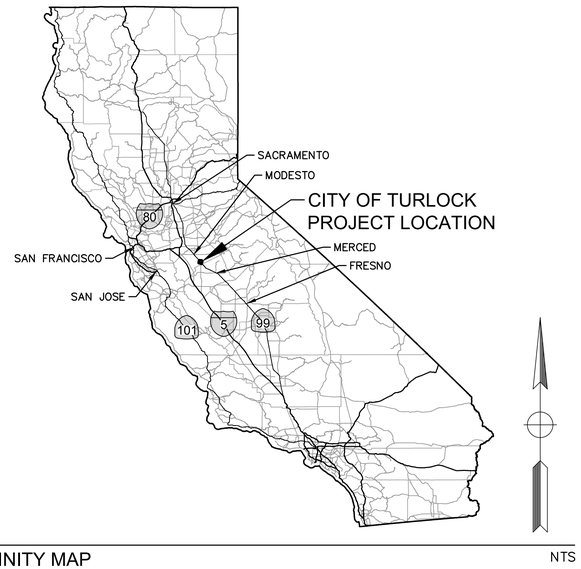
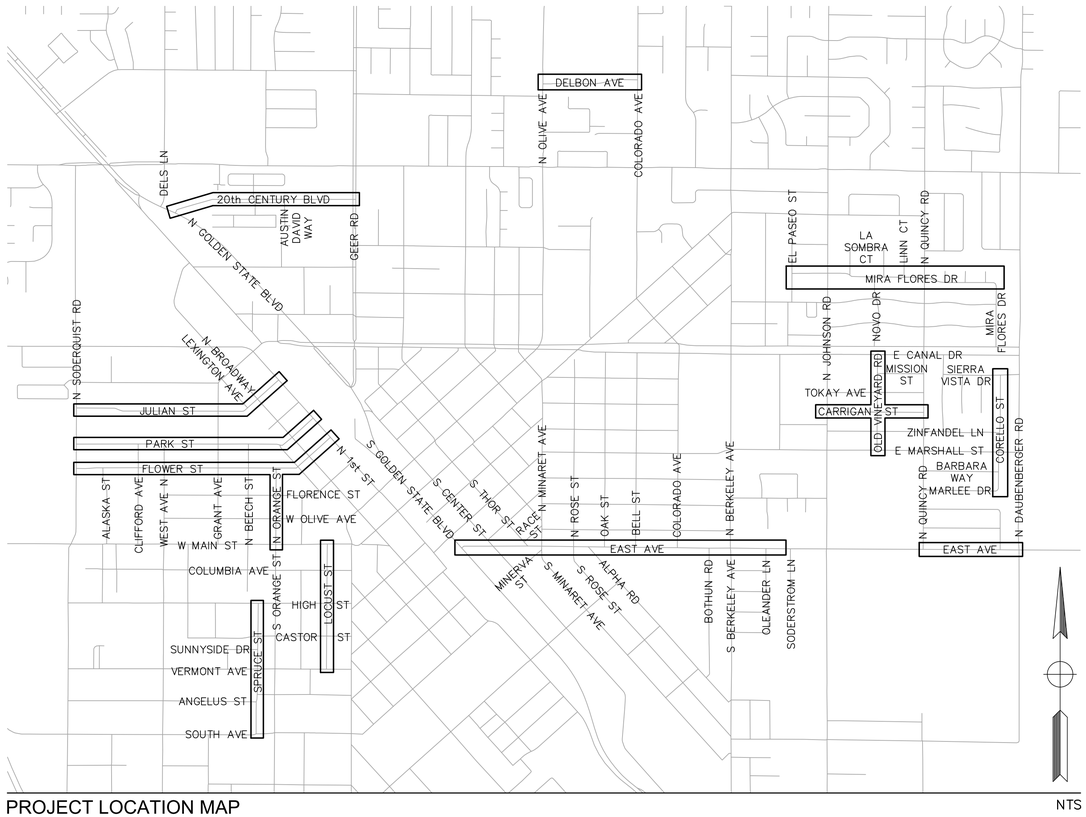
CITY OF TURLOCK

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT
VARIOUS LOCATIONS
PACKAGE 1



VICINITY MAP NTS



PROJECT LOCATION MAP NTS

SHEET INDEX

SHEET	DRAWING	TITLE
1	C–01	COVER SHEET
2	GN–01	NOTES SHEET
3	PC–01	SURVEY BENCHMARKS AND CONTROL POINTS
4	PC–02	SURVEY CONTROL POINT LOCATIONS
5–10	X–01 – X–06	TYPICAL SECTIONS
11	K–01	KEY MAP
12–45	L–01 – L–34	PLAN
46–68	DU–01 – DU–23	DRAINAGE PLAN
69	DU–24	DRAINAGE DETAILS
70–79	TC–01 – TC–10	TRAFFIC CONTROL
80–105	TD–01 – TD–26	TRAFFIC DETOUR
106–124	SS–01 – SS–19	SIGNING AND STRIPING PLAN
125–129	CD–01 – CD–05	CONSTRUCTION DETAILS
N/A	CD–06	N/A OMITTED – SHEET NOT USED
130–135	CD–07 – CD–12	CONSTRUCTION DETAILS – CURB RAMP
N/A	CD–13 – CD–14	N/A OMITTED – SHEETS NOT USED
136–165	CD–15 – CD–44	CONSTRUCTION DETAILS – INTERSECTION
166	CD–45	CONSTRUCTION DETAILS
167–169	Q–01 – Q–03	SUMMARY OF QUANTITIES

CONTACTS

CITY OF TURLOCK PUBLIC WORKS
(209) 668–5484 MANUEL QUINTERO, mquintero@turlock.ca.us

CITY OF TURLOCK ELECTRICAL
(209) 678–5823 DOYLE PERRY, dperry@turlock.ca.us

CITY OF TURLOCK STORM AND SEWER
(209) 345–2169 CARLOS GUERRERO, cguerrero@turlock.ca.us

CITY OF TURLOCK WATER
(209) 740–3868 ORLANDO GUITERREZ, ogutierrez@turlock.ca.us

TURLOCK IRRIGATION DISTRICT (ELECTRICAL)
(209) 605–0945 DAVID PORATH, dnporath@tid.org

TURLOCK IRRIGATION DISTRICT (IRRIGATION)
(209) 535–1882 TODD TROGLIN, trtroglin@tid.org

CHARTER COMMUNICATIONS
(209) 633–3303 ABRAHAM ZAMORA, abraham.zamora@charter.com

PACIFIC GAS & ELECTRIC (GAS)
(209) 470–0697 DAVID LOOMIS, d1lo@pge.com

AT&T
(209) 549–5847 SHARON DINNELL, sd1568@att.com

FIRE DEPARTMENT (NON–EMERGENCY)
(209) 668–5580

POLICE DEPARTMENT (NON–EMERGENCY)
(209) 668–1200

AMBULANCE
(209) 632–2271

TURLOCK SCAVENGER
(209) 668–7274

CIVIL IMPROVEMENT LIMITS

THE CITY OF TURLOCK'S CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT WILL IMPROVE THE EXISTING ROADWAY SEGMENTS THROUGH VARIOUS PROCESSES AT SEVERAL LOCATIONS IN THE CITY OF TURLOCK, CALIFORNIA.

GOVERNING CODES AND ADOPTED STANDARDS

ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT CITY OF TURLOCK STANDARD SPECIFICATIONS AND DRAWINGS; THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACT AND THE LATEST EDITION OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS. CITY OF TURLOCK STANDARD DRAWINGS ARE AVAILABLE AT THE OFFICE OF THE CITY ENGINEER.

CITY OF TURLOCK APPROVAL

NANDA K. GOTTIPARTHY, P.E.
CONTRACT CITY ENGINEER

DATE 3/6/2023

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY, SUITE 150
(209) 668–5520

COVER SHEET

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. C-01

SHEET: 1 OF 169

22–001–P1–01–C–01.dwg

10/26/2022 4:36:47 PM

GENERAL NOTES:

1. THE CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, THE ENGINEER AND THE CITY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

2. UNLESS OTHERWISE STATED, ALL STATIONS INDICATED ON THE IMPROVEMENT PLANS ARE REFERENCED TO THE CENTER LINE OF THE STREET. ALL STATIONS ON THE CURBS ARE PERPENDICULAR TO OR RADIALLY OPPOSITE CENTER LINE STATIONS, UNLESS OTHERWISE NOTED.

3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING FACILITIES.

4. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY IN ACCORDANCE WITH THE CURRENT EDITION OF STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

5. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT CITY OF TURLOCK STANDARD SPECIFICATIONS AND DRAWINGS; AND THE LATEST EDITION OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS. CITY OF TURLOCK STANDARD DRAWINGS ARE AVAILABLE AT THE OFFICE OF THE PUBLIC WORKS DEPARTMENT.

6. CONSTRUCTION STAKING AND SURVEY IS THE RESPONSIBILITY OF THE CONTRACTOR. CONSTRUCTION STAKING SHALL BE PERFORMED BY A REGISTERED SURVEYOR OR ENGINEER RETAINED AND PAID FOR BY THE CONTRACTOR. THE SURVEYOR OR ENGINEER SHALL CERTIFY ON THE FINAL CONSTRUCTION DRAWING THAT THE STAKING WAS PERFORMED ACCORDING TO THE APPROVED PLANS.

7. TO SCHEDULE AN INSPECTION, THE CONTRACTOR SHALL CALL MANUEL QUINTERO (209)668-5484, AT LEAST 24-HOURS PRIOR TO THE REQUIRED INSPECTION. THE CITY PUBLIC WORKS DEPARTMENT WILL MAKE EVERY EFFORT TO PERFORM THE INSPECTION WITHIN THE NEXT BUSINESS DAY.

8. THE CITY OF TURLOCK OR ASSOCIATED UTILITY COMPANY AND RESIDENCES TO BE AFFECTED SHALL BE NOTIFIED IMMEDIATELY UPON ANY UTILITY SERVICE DISRUPTION AND A 48 HOUR NOTICE SHALL BE GIVEN FOR ANY PLANNED DISRUPTION.

9. DUST SHALL BE CONTROLLED BY THE CONTRACTOR AT ALL TIMES, INCLUDING HOLIDAYS AND WEEKENDS, PER SECTION 10 OF THE 2018 STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS AND THE CITY OF TURLOCK STANDARD SPECIFICATIONS. WATER USED FOR DUST CONTROL AND COMPACTION MAY BE PURCHASED FROM THE APPROPRIATE AGENCY PRIOR TO THE START OF ANY WORK, AND ANY FEES OR DEPOSITS ARE THE RESPONSIBILITY OF THE CONTRACTOR. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN CLEANLINESS OF THE EXISTING IMPROVED STREETS IN THE CONSTRUCTION AREA.

10. THE CONTRACTOR IS REQUIRED TO MAINTAIN PUBLIC SAFETY AT ALL TIMES. ANY OPERATION OR SITUATION THAT THREATENS THE SAFETY OF THE WORKERS OR PUBLIC, INCLUDING IMPROPER TRAFFIC CONTROL, WILL CAUSE THE SUSPENSION OF WORK UNTIL CORRECTIONS ARE MADE AND NO ADJUSTMENTS TO WORKING DAYS WILL BE GRANTED.

11. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN A CLEAN AND SAFE WORKSITE AT ALL TIMES. IF THE CONTRACTOR FAILS TO MAINTAIN A CLEAN WORKSITE, THE CITY MAY ORDER STREET SWEEPING OR ORDER CORRECTIVE ACTION AT COST TO THE CONTRACTOR.

12. MATERIALS TESTING IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE COORDINATED WITH THE ENGINEER.

13. STANDARD DRAWING NUMBERS SHOWN ON THE PLANS REFER TO DRAWINGS CONTAINED IN THE CITY OF TURLOCK STANDARD SPECIFICATIONS AND DRAWINGS, SHOWN THUS; (I. E. STD C-1)

14. THE CONTRACTOR SHALL SECURE A TRENCH PERMIT FROM THE CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH PRIOR TO THE EXCAVATION OF ANY TRENCH OVER FIVE FEET IN DEPTH. UTILITY TRENCHING SHALL BE PERFORMED IN ACCORDANCE WITH THE TRENCHING AND COMPACTION REQUIREMENTS OF THE CITY OF TURLOCK STANDARD SPECIFICATIONS AND DRAWINGS. REFER TO STD T-1, T-1, AND T-3.

15. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES AND SHALL CONTACT THE RESPECTIVE UTILITY COMPANIES PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF ALL SUCH FACILITIES IN THE AREA OF CONSTRUCTION AND SHALL NOTIFY UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THE REMOVAL OR RELOCATIONS OF ALL EXISTING UTILITIES WITH RESPECTIVE UTILITY COMPANIES.

17. MANHOLE CASTINGS AND COVERS SHALL BE ADJUSTED TO FINAL GRADES BY THE CONTRACTOR AFTER STREET IMPROVEMENTS ARE COMPLETED. ALL EXISTING MANHOLE LIDS WITHIN LIMITS OF STREET IMPROVEMENT SHALL BE MARKED AND TIED TO SURVEY PRIOR TO ADJUSTMENT.

18. FOR ALL WORK PERFORMED WITHIN PUBLIC RIGHT-OF-WAYS, THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT, PRESERVE THE INTEGRITY AND LOCATION OF ANY AND ALL PUBLIC UTILITIES, AND PROVIDE NECESSARY CONSTRUCTION TRAFFIC CONTROL FOR STREET IMPROVEMENTS. THE CONTRACTOR SHALL, THROUGH THE ENCROACHMENT PERMIT PROCESS, VERIFY THE NEED FOR ANY DETOUR PLAN WITH THE CITY OF TURLOCK. IF A PLAN IS REQUIRED, CONTRACTOR SHALL PROVIDE PLAN AND RECEIVE APPROVAL PRIOR TO CONSTRUCTION.

19. THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF THE PROJECT.

20. THE CONTRACTOR SHALL COMPLY WITH BUSINESS AND PROFESSIONS CODE SECTION 8771(b) REGARDING REFERENCING, PRESERVING, AND RECONSTRUCTING MONUMENTS. PRESERVATION OF EXISTING MONUMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL MONUMENTS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS. THE ENGINEER WILL TIE OFF SAID MONUMENTS AND PROVIDE THE CONTRACTOR NOTICE TO PROCEED.

21. PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL CURRENT STANDARDS FOR THE CITY OF TURLOCK ARE FOLLOWED AS WELL AS TO HAVE EACH UTILITY COMPANY LOCATE, IN THE FIELD, THEIR MAIN AND SERVICE LINES. THE CONTRACTOR SHALL NOTIFY MEMBERS OF THE UNDERGROUND SERVICE ALERT (USA) 48 HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING THE TOLL FREE NUMBER (800) 642-2444. THE CONTRACTOR SHALL RECORD THE U.S.A. ORDER NUMBER AND FURNISH ORDER NUMBER TO OWNER PRIOR TO ANY EXCAVATION. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO POSITIVELY LOCATE (POTHOLE) AND PROTECT ALL EXISTING UTILITIES THAT MAY CONFLICT WITH ANY WORK ASSOCIATED WITH THIS CONTRACT SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF THIS CONTRACT. ANY NECESSARY REPAIRS TO DAMAGED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW STRUCTURES, UTILITIES AND SERVICE TO THE DEVELOPMENT.

22. THE CONTRACTOR SHALL REACH OUT TO AFFECTED RESIDENTS PRIOR TO CONSTRUCTION TO INFORM THEM OF THE RELOCATION OF ANY FENCE OR VEGETATION.

23. THE CONTRACTOR SHALL RESTORE ALL EXISTING LANDSCAPING AND/OR IRRIGATION DISTURBED DURING CONSTRUCTION ACTIVITIES AND REPLACE LANDSCAPING WITH SOD WHERE GRASS IS DISTURBED. THE CONTRACTOR SHALL RELOCATE SPRINKLERS AS NECESSARY SO AS TO WATER OWNER'S LANDSCAPING, BUT NOT NEW CONCRETE SURFACES, TYPICAL OF ALL LOCATIONS WHERE GRASS OR BUSHES HAVE BEEN PLANTED BY OWNERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING IRRIGATION IN THE CASE OF ANY INTERRUPTION OF SERVICE, INCLUDING DURING HOLIDAYS AND WEEKENDS. ANY DEAD LANDSCAPING DUE TO CONSTRUCTION ACTIVITIES OR INTERRUPTION OF IRRIGATION SERVICE SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT NO ADDITIONAL COST.

24. THE CONTRACTOR SHALL RE-PAINT IN KIND ALL EXISTING PAINTED CURB WITHIN LIMITS OF PROJECT. THIS INCLUDES BUT IS NOT LIMITED TO RED CURB, WHITE CURB AND HOUSE NUMBERS.

25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING TREES, SHRUBS AND OTHER PLANTS THAT ARE NOT TO BE REMOVED. OVERHEAD UTILITY POLES/LINES, FENCES, SIGNS, MARKERS AND MONUMENTS, BUILDINGS AND STRUCTURES, CONDUITS, PIPELINES UNDER OR ABOVE GROUND, SEWER AND WATER LINES, SPRINKLER SYSTEMS ABOVE OR BELOW GROUND, ALL ROADWAY FACILITIES, AND ANY OTHER IMPROVEMENTS OR FACILITIES WITHIN OR ADJACENT TO THE RIGHT-OF-WAY SHALL BE PROTECTED BY THE CONTRACTOR FROM INJURY OR DAMAGE. IF ORDERED BY ENGINEER, THE CONTRACTOR SHALL PROVIDE AND INSTALL SUITABLE SAFEGUARDS, APPROVED BY ENGINEER, TO PROTECT SUCH OBJECTS FROM INJURY OR DAMAGE.

26. THE CONTRACTOR SHALL COMPLETE ALL REQUIRED EARTHWORK, GRADING, AND INITIAL PAVING (FIRST LIFT) WITHIN EIGHT (8) CALENDAR DAYS AFTER PAVEMENT REMOVAL. THE CONTRACTOR IS NOT ALLOWED TO DEMO ALL OF THE PEDESTRIAN CURB RAMPS AT THE SAME TIME. THE CONTRACTOR SHALL SCHEDULE THE CURB RAMP REPLACEMENT WORK TO PROVIDE PEDESTRIAN ACCESS AT ALL TIMES.

CLEARING NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR CLEARING AND GRUBBING, PRUNING AND REMOVING TREE ROOTS THAT INTERFERE WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT NO TREE ROOTS ARE PRUNED OR CUT THAT COULD COMPROMISE THE STABILITY OF THE TREE. THE CONTRACTOR SHALL RETAIN AN ARBORIST, AT THEIR OWN EXPENSE PRIOR TO BEGINNING THE WORK. THE CONTRACTOR'S ARBORIST SHALL PROVIDE A WORK PLAN THAT DESCRIBES THE METHOD OF PRUNING AND REMOVING MINOR TREE ROOTS THAT MAY BE ENCOUNTERED DURING CONSTRUCTION. THE ARBORIST WILL PROVIDE RECOMMENDATIONS FOR REVIEW BY THE CITY.

DUST CONTROL NOTES:

1. SPRAY WATER ON ALL EXPOSED EARTH SURFACED DURING CLEARING, GRADING, EARTH MOVING AND OTHER SITE PREPARATION ACTIVITIES THROUGHOUT THE DAY TO MINIMIZE DUST. USE TARPAULINS OR OTHER EFFECTIVE COVERS ON ALL STOCKPILED EARTH MATERIAL AND ON ALL HAUL TRUCKS TO MINIMIZE DUST. SWEEP THE ADJACENT STREET FRONTAGES AT LEAST ONCE A DAY OR AS NEEDED TO REMOVE SILT AND OTHER DIRT WHICH IS EVIDENT FROM CONSTRUCTION ACTIVITIES. ENSURE THAT CONSTRUCTION VEHICLES ARE CLEANED PRIOR TO LEAVING THE SITE TO PREVENT DUST AND DIRT FROM BEING TRACKED OFF SITE.

2. ALL EXPOSED SURFACES SHALL BE WATERED A MINIMUM OF TWICE DAILY, INCLUDING ON HOLIDAYS AND WEEKENDS, UNLESS DEEMED UNNECESSARY DUE TO WEATHER. WATER SHALL BE APPLIED AS PROVIDED IN SECTION 17 OF 2018 CALTRANS STANDARD SPECIFICATIONS.

3. DUST PALLIATIVES MAY BE SUBSTITUTED FOR WATERING UPON THE APPROVAL OF THE ENGINEER. DUST PALLIATIVES SHALL BE APPLIED AS PROVIDED IN SECTION 18 OF 2018 CALTRANS STANDARD SPECIFICATIONS.

STORM WATER POLLUTION PREVENTION:

1. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A COMPLETED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SIGNED AND CERTIFIED BY A QUALIFIED SSWPP DEVELOPER (QSD). ONCE APPROVED, CONTRACTOR SHALL SUBMIT SWPPP AND NOTICE OF INTENT (NOI) WITH THE CALIFORNIA DEPARTMENT OF WATER QUALITY CONTROL BOARD. THE CONTRACTOR SHALL ADHERE TO THE SWPPP AT ALL TIMES. THE CONTRACTOR SHALL FILE THE ANNUAL REPORT WHEN THE PROJECT IS COMPLETED.

CALTRANS STANDARD PLAN 2018:

	A3A	ABBREVIATIONS (SHEET 1 OF 3)
	A3B	ABBREVIATIONS (SHEET 2 OF 3)
	A3C	ABBREVIATIONS (SHEET 3 OF 3)
	A20A	PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS
RSP	A20B	PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS
RSP	A20C	PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS
RSP	A20D	PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS
	A24A	PAVEMENT MARKINGS ARROWS
	A24B	PAVEMENT MARKINGS ARROWS AND SYMBOLS
	A24C	PAVEMENT MARKINGS SYMBOLS AND NUMERALS
	A24D	PAVEMENT MARKINGS WORDS
RSP	A24E	PAVEMENT MARKINGS WORDS
	A24F	PAVEMENT MARKINGS CROSSWALKS
RSP	A24G	PAVEMENT MARKINGS YIELD LINES, LIMIT LINES, AND WRONG WAY DETAILS
	A88A	CURB RAMP DETAILS
	A88B	CURB RAMP AND ISLAND PASSAGEWAY DETAILS

MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES:

1. ALL SIGN PANELING SHALL CONFORM TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2014 EDITION REVISION 6, DATED MARCH 20 2021.

PAVEMENT REPORTS:

FIRM: CRAWFORD & ASSOCIATES, INC.

DATE: 9/26/2022 FINAL

TITLE: PAVEMENT DATA REPORT
CITY OF TURLOCK – 2022 ROAD REPAIR LIST PROJECT,
TURLOCK, STANISLAUS COUNTY, CA

LEGEND AND SYMBOLS:

EXIST RIGHT OF WAY
PROPOSED RIGHT OF WAY
TEMPORARY CONSTRUCTION EASEMENT
FLOW ARROW
SAWCUT
RESET FENCE
EXIST FENCE
EXIST ELECTRICAL
EXIST ELECTRICAL OH
EXIST NATURAL GAS
EXIST SEWER
EXIST STORM DRAIN
EXIST TELEMETER CABLE
EXIST TELEMETER CABLE OH
EXIST WATER
NEW STORM DRAIN
EXIST FIRE HYDRANT
EXIST STREET LIGHT
EXIST DRAINAGE INLET
EXIST MANHOLE
EXIST POLE
EXIST SIGN
EXIST TRAFFIC SIGNAL
EXIST TREE
NEW DRAINAGE INLET
NEW STORM DRAIN MANHOLE
NEW STREET LIGHT
AC REPLACEMENT
AC GRIND AND OVERLAY
REMOVAL
PROPOSED CONCRETE/SIDEWALK
PROPOSED CURB AND GUTTER
PROPOSED DETECTABLE WARNING SURFACE
EXIST ELEVATION
(XXX.XX)
EXIST MONUMENT LOCATIONS

ABBREVIATIONS:

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
APPROX	APPROXIMATE
AVE	AVENUE
BC	BEGIN CURVE
BEG	BEGIN
BLVD	BOULEVARD
℄	CENTERLINE
C&G	CURB AND GUTTER
CB	CATCH BASIN
CMP	CORRUGATED METAL PIPE
DET	DETAIL
DR	DRIVE
DWG	DRAWING
DWY	DRIVEWAY
EC	END CURVE
EG	EXISTING GRADE
EL	ELEVATION
EP	EDGE OF PAVEMENT
ETW	EDGE OF TRAVELED WAY
EXIST	EXISTING
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOWLINE
FT	FEET
GB	GRADE BREAK
G/O	GRIND AND OVERLAY
GV	GAS VALVE
HORIZ	HORIZONTAL
IN	INCHES
IP	IRON PIPE
IPNW	IRON PIPE NO WELL
IPW	IRON PIPE IN WELL
KV	KILOVOLT
LF	LINEAR FEET
LS	LANDSCAPING
LT	LEFT
MH	MANHOLE
MN	MAG NAIL
MOD	MODIFIED
No.	NUMBER
NT	NAIL AND TAG
NTS	NOT TO SCALE
OG	ORIGINAL GROUND
OH	OVERHEAD
ORN	ORNAMENTAL
PCC	POINT OF COMPOUND CURVE
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PIP	PROTECT IN PLACE
PP	POWER POLE
PPB	PEDESTRIAN PUSH BUTTON
PRC	POINT OF REVERSE CURVE
PT	POINT or POINT OF TANGENCY
RC	RED CURB
RCP	REINFORCED CONCRETE PIPE
RT	RIGHT
R/W	RIGHT OF WAY
SD	STORM DRAIN
SHLD	SHOULDER
SL	STREET LIGHT
SS	SANITARY SEWER
ST	STREET
STA	STATION
STD	STANDARD
SW	SIDEWALK
TC	TOP OF CURB
TCE	TEMPORARY CONSTRUCTION EASEMENT
TS	TRAFFIC SIGNAL
UP	UTILITY POLE
VAR	VARIES
VERT	VERTICAL
WM	WATER METER
WV	WATER VALVE

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

NOTES SHEET

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION
AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/2" 1" 1/4" 3/4"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. GN-01

SHEET: 2 OF 169

22-001-P1-02-GN-01.dwg

10/27/2022 6:19:01 PM

REFERENCE DATA:

HORIZONTAL DATUM
HORIZONTAL DATUM IS BASED ON THE CITY OF TURLOCK G.P.S. CONTROL NETWORK SURVEY FILED IN BOOK 20 OF SURVEYS AT PAGE 56, STANISLAUS COUNTY RECORDS. SAID SURVEY IS BASED ON THE 1983 NORTH AMERICAN DATUM AND ADJUSTMENT AS SHOWN ON THE FACE OF SAID SURVEY. POINTS K10 AND K14 AS SHOWN ON THE SURVEY WERE USED AS THE BASE CONTROL FOR THIS PROJECT.

COORDINATE SYSTEM
THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83), ZONE III.

VERTICAL DATUM
CITY OF TURLOCK

PROJECT BENCHMARK – JULIAN STREET, PARK STREET, FLOWER STREET AND N ORANGE STREET
CITY OF TURLOCK BENCHMARK 15–1–3
BRASS PLUG ON THE SOUTHWEST CORNER OF FIRST STREET AT PARK STREET.
ELEVATION = 99.717 FEET

PROJECT BENCHMARK – SPRUCE STREET
CITY OF TURLOCK BENCHMARK 22–4–2
BRASS PLUG ON THE SOUTHWEST CORNER OF ORANGE STREET AT HIGH STREET.
ELEVATION = 98.282 FEET

PROJECT BENCHMARK – LOCUST STREET
CITY OF TURLOCK BENCHMARK 15–1–12
BRASS PLUG ON THE NORTHWEST CORNER OF LANDER AVENUE AT WEST MAIN STREET.
ELEVATION = 99.823 FEET

PROJECT BENCHMARK – 20TH CENTURY BLVD
CITY OF TURLOCK BENCHMARK 14–3–4
BRASS PLUG ON THE SOUTHWEST CORNER OF WAYSIDE DRIVE AT NORTH OLIVE AVENUE.
ELEVATION = 105.136 FEET

PROJECT BENCHMARK – DELBON AVENUE
CITY OF TURLOCK BENCHMARK 11–1–2
BRASS PLUG ON THE SOUTHEAST CORNER OF DELBON AVENUE AT NORTH OLIVE AVENUE.
ELEVATION = 105.637 FEET

PROJECT BENCHMARK – MIRA FLORES DRIVE, CARRIGAN STREET AND OLD VINEYARD ROAD
CITY OF TURLOCK BENCHMARK 13–2–1
BRASS PLUG ON THE SOUTHEAST CORNER OF JOHNSON ROAD AT EAST CANAL DRIVE.
ELEVATION = 108.169 FEET

PROJECT BENCHMARK – EAST AVENUE (WEST SECTION)
CITY OF TURLOCK BENCHMARK 24–3–1
BRASS PLUG ON THE SOUTHEAST CORNER OF BERKELEY AVENUE AT EAST AVENUE.
ELEVATION = 105.563 FEET

PROJECT BENCHMARK – EAST AVENUE (EAST SECTION)
CITY OF TURLOCK BENCHMARK 24–4–2
U.S.C. & G.S. BRASS PLUG "E 942" AT THE SOUTHWEST CORNER OF EAST AVENUE AT DAUBENBERGER ROAD IN CANAL BOX.
ELEVATION = 113.095 FEET

PROJECT BENCHMARK – CORELLO STREET
CITY OF TURLOCK BENCHMARK 13–1–3
BRASS PLUG ON THE NORTHWEST CORNER OF EAST MARSHALL STREET AT DAUBENBERGER ROAD.
ELEVATION = 110.059 FEET

SURVEY NOTES:
1. THE FIELD WORK FOR THIS SURVEY WAS CONDUCTED IN FEBRUARY 2022.
2. PHYSICAL ITEMS SHOWN ON THIS SURVEY ARE LIMITED TO THOSE SURFACE–VISIBLE STRUCTURES, FACILITIES, AND FEATURES OBSERVED AT THE FIELD SURVEY.
3. SUBSURFACE OBJECTS, IF ANY, WERE NOT LOCATED IN THIS SURVEY. NO WARRANTY IS IMPLIED AS TO THE ACCURACY OR COMPLETENESS OF ANY SUBSURFACE OBJECTS REPRESENTED BY SYMBOLS, LINES OR LABELS SHOWN HEREON. SAID SUBSURFACE OBJECTS MAY INCLUDE, BUT ARE NOT LIMITED TO, CONCRETE FOOTINGS, SLABS, SHORING, BASEMENTS, STRUCTURAL PILES, UTILITY VAULTS, PIPING, UNDERGROUND TANKS, UNDERGROUND UTILITY LINES.
4. NO ATTEMPT WAS MADE TO IDENTIFY THE NATURE OF USE OF UNDERLYING LAND SHOWN HEREON. ANY POTENTIAL PAST USES, INCLUDING THOSE WHICH MAY HAVE RESULTED IN SIGNIFICANT ENVIRONMENTAL OR CULTURAL IMPACTS, WERE NOT ASSESSED BY THIS SURVEY.
5. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ON THIS SITE, IT IS ADVISED THAT ALL INVOLVED PARTIES REVIEW SECTION 8771 AND SECTION 8725 OF THE CALIFORNIA BUSINESS AND PROFESSIONS CODE, AND SECTION 605 OF THE CALIFORNIA PENAL CODE TO ENSURE THAT MONUMENT CONSERVATION HAS BEEN PROPERLY ADDRESSED.
6. NOTHING ON THIS SURVEY SHALL BE INTERPRETED IN A MANNER CONTRARY TO THE ABOVE STATEMENTS.

CONTROL PT. NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
6	2008601.394	6464398.083	107.135	MAG NAIL AT CROSS WALK
7	2008503.129	6463702.346	106.054	MAG NAIL AT CROSS WALK
8	2008537.111	6463125.588	106.004	MAG NAIL AT CROSS WALK
14	2005836.349	6466587.625	107.957	MAG NAIL AT CORNER OF AC PATCH
16	2005813.705	6468454.284	110.309	MAG NAIL AT "T" IN "STOP" PAVEMENT MARKING LEGEND
17	2005720.293	6469393.084	111.479	MAG NAIL AT BACK–OF–CURB
18	2004712.018	6467734.380	108.231	GEAR SPIKE IN VALLEY GUTTER JOINT
19	2003942.813	6467776.768	107.137	MAG NAIL AT EDGE OF VALLEY GUTTER
20	2003419.743	6467753.935	107.657	MAG NAIL AT "P" IN "STOP" PAVEMENT MARKING LEGEND
21	2003906.520	6467083.705	107.192	MAG NAIL AT CROSS WALK
22	2003914.740	6468373.493	108.510	MAG NAIL AT "P" IN "STOP" PAVEMENT MARKING LEGEND
23	2002862.404	6469434.386	109.808	MAG NAIL AT BACK–OF–CURB
24	2003390.457	6469473.859	109.424	MAG NAIL AT CROSS GUTTER CORNER
25	2003995.570	6469461.971	110.489	MAG NAIL AT BACK–OF–CURB
26	2004422.514	6469506.160	109.353	HUB AT EDGE OF GUTTER LIP
27	2001991.119	6469718.007	111.559	MAG NAIL AT STOP BAR
29	2002021.158	6468367.703	109.450	MAG NAIL AT TERMINUS OF PAVEMENT MARKING LINE
31	2006885.475	6458558.203	101.738	MAG NAIL AT LIP OF DRAINAGE INLET CONCRETE
32	2000363.431	6460060.343	97.213	MAG NAIL AT "T" IN "STOP" PAVEMENT MARKING LEGEND
33	2001232.028	6460050.282	97.660	MAG NAIL EDGE CROSS WALK INTERSECTION
34	2002047.158	6460093.759	99.067	MAG NAIL EDGE CROSS WALK
35	2002097.386	6459368.241	98.269	MAG NAIL EDGE CROSS WALK
36	2003107.012	6459369.277	99.353	MAG NAIL AT "T" IN "STOP" PAVEMENT MARKING LEGEND
39	2003158.080	6456591.809	95.953	MAG NAIL AT CROSS WALK
40	2003485.087	6456605.600	96.868	MAG NAIL AT "T" IN "STOP" PAVEMENT MARKING LEGEND
41	2003501.588	6457458.504	97.630	MAG NAIL AT BACK–OF–CURB
42	2003461.660	6458538.273	97.501	MAG NAIL IN AC PATCH
43	2003453.431	6459389.273	99.634	MAG NAIL AT BACK–OF–CURB
44	2003819.918	6459873.048	99.400	MAG NAIL AT STOP BAR
45	2004369.866	6459405.793	99.018	MAG NAIL AT END OF YELLOW CENTERLINE PAVEMENT MARKING
47	2003945.910	6457935.092	97.659	MAG NAIL IN AC PATCH
49	2003990.070	6456607.684	96.150	MAG NAIL AT "T" IN "STOP" PAVEMENT MARKING LEGEND
50	2006917.611	6459073.987	102.413	MAG NAIL IN AC PATCH ON SIDEWALK
52	2006877.095	6460425.167	102.997	MAG NAIL AT CROSS WALK
53	1999451.139	6459048.065	96.890	MAG NAIL AT CROSS WALK
54	2000305.503	6459104.535	96.617	MAG NAIL AT "T" IN "STOP" PAVEMENT MARKING LEGEND
55	2001248.080	6459142.145	98.890	MAG NAIL AT "D" IN "AHEAD" PAVEMENT LEGEND
56	2002072.659	6461980.964	100.912	MAG NAIL AT CROSS WALK
57	2001998.432	6463541.448	102.480	MAG NAIL AT CROSS WALK
58	2002057.155	6464375.250	104.496	MAG NAIL AT STOP BAR
60	2002018.636	6466537.091	106.991	MAG NAIL AT END OF CENTERLINE PAVEMENT MARKING
61	2003560.952	6460105.247	99.750	MAG NAIL AT STOP BAR
K–10	2002072.005	6460437.205	-----	CENTER OF OPEN 2" O.D. IRON PIPE, 14" DOWN IN MONUMENT WELL, ON NOMINAL CENTER LINE INTERSECTION WEST MAIN STREET AND NORTHBOUND LANES LANDER AVENUE.
K–14	2001943.186	6471087.264	-----	RAISED POINT IN 3" SQUARE BRASS PLATE IN CONCRETE, IN 6" P.V.C. WELL WITH WATER VALVE COVER, 50'± SOUTH OF NOMINAL CENTER LINE EAST AVENUE AND 1/2± MILE EAST OF NORTH QUINCY ROAD.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

KENT A. HYSELL L.S.
LICENSE No. LS6953

PLANS APPROVAL DATE

LICENSED LAND SURVEYOR KENT A. HYSELL No. 6953 STATE OF CALIFORNIA

North Star Engineering Group, Inc.
620 12TH STREET
MODESTO, CA 95354
(209) 524–3525

CITY OF TURLOCK INC. 1908
CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

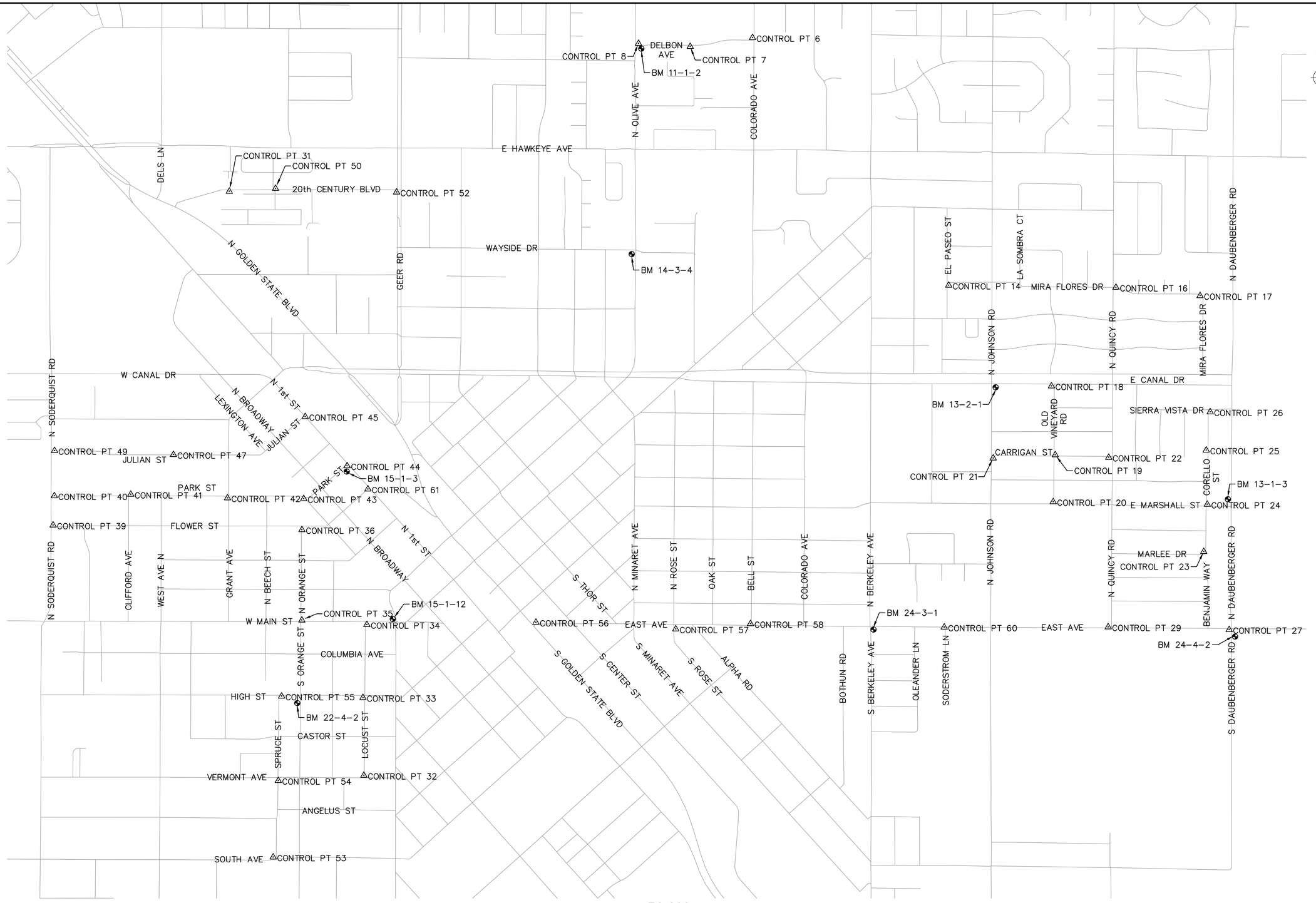
SURVEY
BENCHMARKS AND CONTROL POINTS
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1/2" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	K. HYSELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. PC-01
SHEET: 3 OF 169

22–001–P1–03–PC–01.dwg
10/26/2022 4:36:58 PM



PLAN
NTS

USA NORTH 811
Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

KENT A. HYSELL L.S.
LICENSE No. LS6953

PLANS APPROVAL DATE

LICENSED LAND SURVEYOR KENT A. HYSELL No. 6953 STATE OF CALIFORNIA

North Star Engineering Group, Inc.
620 12TH STREET
MODESTO, CA 95354
(209) 524-3525

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

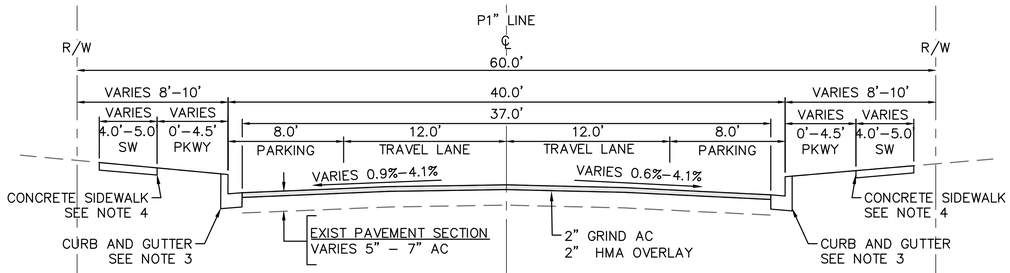
SURVEY
CONTROL POINT LOCATIONS
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	K. HYSELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
PC-02
SHEET:
4 OF 169

22-001-P1-03-PC-02.dwg
10/26/2022 4:37:04 PM



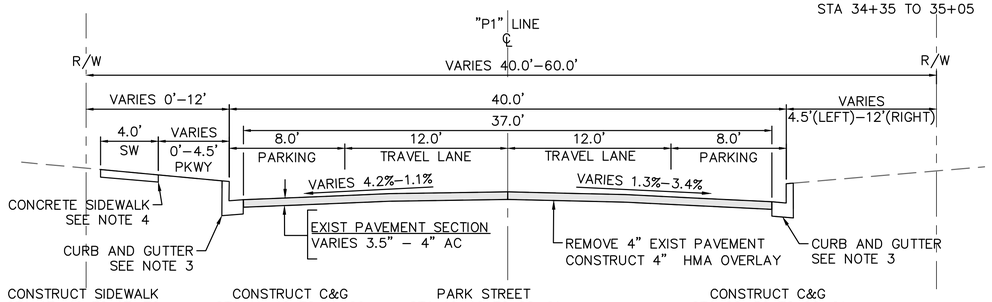
CONSTRUCT SIDEWALK
STA 22+61 TO 23+80
STA 24+47 TO 24+67
STA 25+10 TO 25+30
STA 25+45 TO 25+65
STA 26+39 TO 29+52

CONSTRUCT C&G
STA 22+61 TO 29+52
STA 30+83 TO 31+55
STA 31+89 TO 32+09
STA 34+07 TO 34+58
STA 37+11 TO 37+42

PARK STREET
STA 22+61 TO 38+81

CONSTRUCT C&G
STA 22+61 TO 29+52
STA 30+06 TO 30+17
STA 31+87 TO 32+10
STA 33+04 TO 33+78

CONSTRUCT SIDEWALK
STA 22+61 TO 23+30
STA 24+09 TO 24+42
STA 25+50 TO 25+85
STA 26+51 TO 26+85
STA 31+93 TO 32+10
STA 33+04 TO 33+78
STA 34+35 TO 35+05

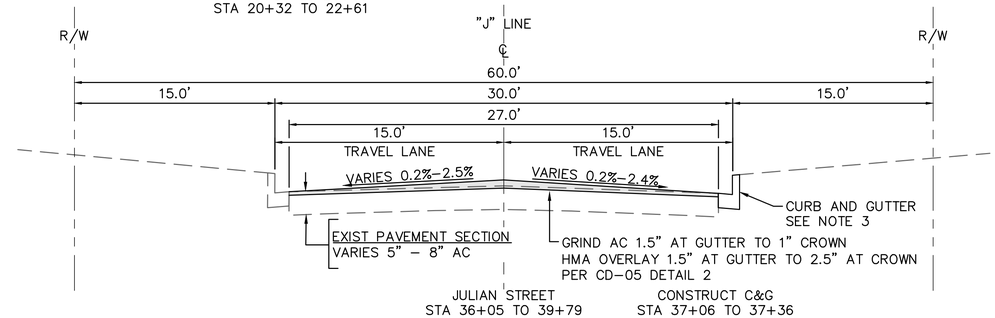


CONSTRUCT SIDEWALK
STA 17+49 TO 17+70
STA 18+86 TO 19+40
STA 20+32 TO 21+27
STA 21+86 TO 22+61

CONSTRUCT C&G
STA 11+49 TO 11+69
STA 13+59 TO 13+92
STA 17+19 TO 17+70
STA 18+86 TO 19+40
STA 19+85 TO 20+06
STA 20+32 TO 22+61

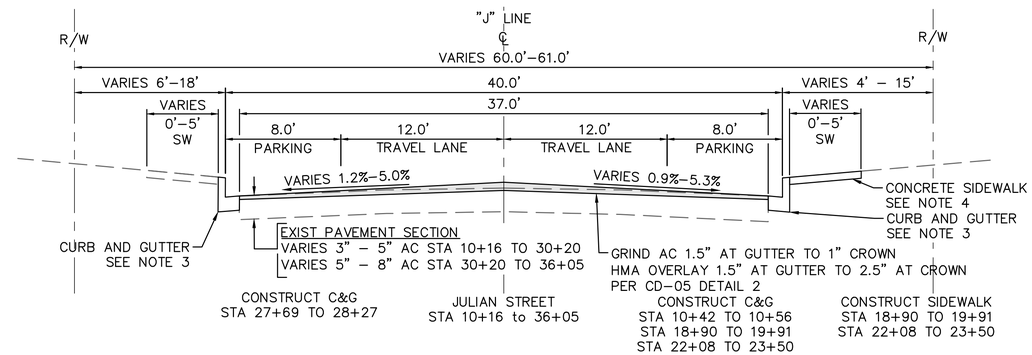
PARK STREET
STA 10+16 TO 22+61

CONSTRUCT C&G
STA 22+56 TO 22+61



JULIAN STREET
STA 36+05 TO 39+79

CONSTRUCT C&G
STA 37+06 TO 37+36

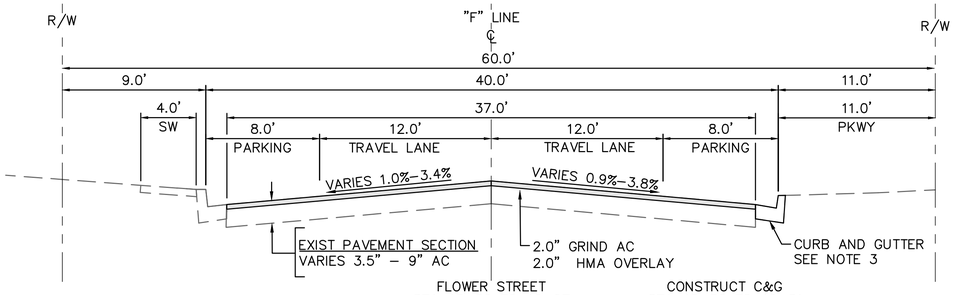


CONSTRUCT C&G
STA 27+69 TO 28+27

JULIAN STREET
STA 10+16 to 36+05

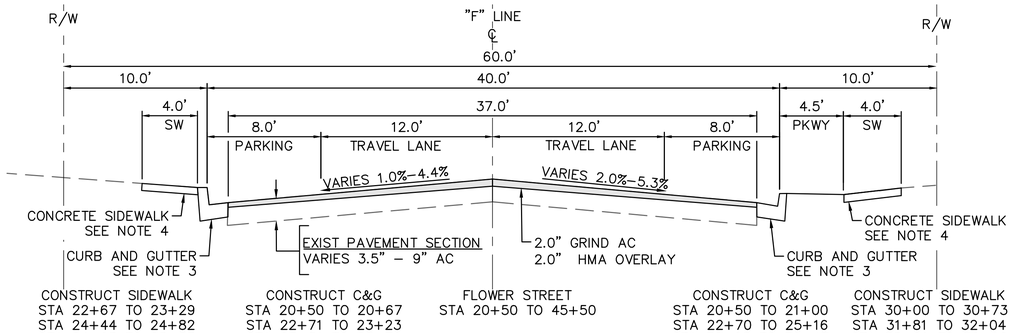
CONSTRUCT C&G
STA 10+42 TO 10+56
STA 18+90 TO 19+91
STA 22+08 TO 23+50

CONSTRUCT SIDEWALK
STA 18+90 TO 19+91
STA 22+08 TO 23+50



FLOWER STREET
STA 45+50 TO 46+97

CONSTRUCT C&G
STA 45+50 TO 46+81



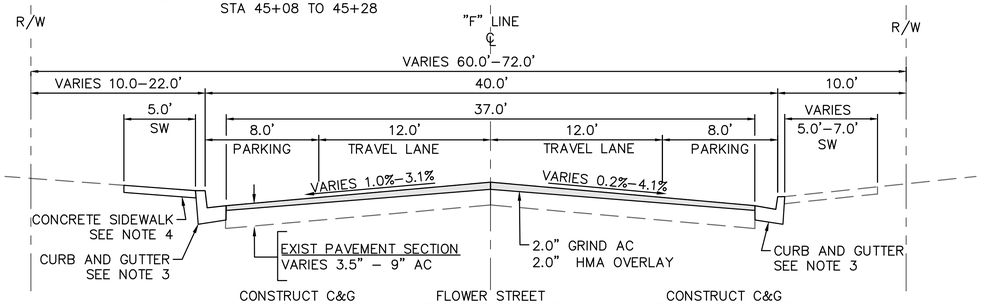
CONSTRUCT SIDEWALK
STA 22+67 TO 23+29
STA 24+44 TO 24+82
STA 24+93 TO 25+33
STA 28+00 TO 29+50
STA 30+91 TO 31+11
STA 36+98 TO 37+45
STA 37+80 TO 38+00
STA 38+23 TO 38+98
STA 45+08 TO 45+32

CONSTRUCT C&G
STA 20+50 TO 20+67
STA 22+71 TO 23+23
STA 23+51 TO 23+79
STA 24+44 TO 24+82
STA 28+00 TO 29+50
STA 30+18 TO 31+22
STA 31+80 TO 31+96
STA 32+73 TO 32+88
STA 36+98 TO 38+98
STA 45+08 TO 45+28

FLOWER STREET
STA 20+50 TO 45+50

CONSTRUCT C&G
STA 20+50 TO 21+00
STA 22+70 TO 25+16
STA 38+25 TO 39+47
STA 41+25 TO 42+75
STA 44+80 TO 45+28

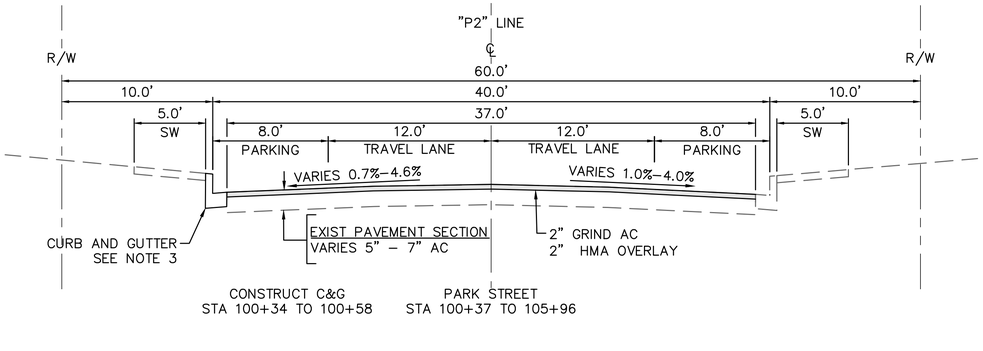
CONSTRUCT SIDEWALK
STA 30+00 TO 30+73
STA 31+81 TO 32+04
STA 35+89 TO 36+08
STA 38+25 TO 39+47
STA 44+82 TO 45+28



CONSTRUCT C&G
STA 19+83 TO 20+50

FLOWER STREET
STA 10+15 TO 20+50

CONSTRUCT C&G
STA 19+07 TO 20+50



CONSTRUCT C&G
STA 100+34 TO 100+58

PARK STREET
STA 100+37 TO 105+96

NOTES:

1. DIMENSIONS OF PAVEMENT STRUCTURAL SECTION ARE SUBJECT TO TOLERANCES SPECIFIED IN THE PLANS AND TECHNICAL SPECIFICATIONS.
2. FOR LOCATIONS OF PAVEMENT REHABILITATION, SEE LAYOUT SHEETS
3. CONSTRUCT 6" CURB AND GUTTER PER CITY STD C–1. FOR LOCATIONS AND LIMITS OF CURB AND GUTTER REPLACEMENT, SEE LAYOUT SHEETS
4. CONSTRUCT CONCRETE SIDEWALK PER CITY STD C–3. FOR LOCATIONS AND LIMITS OF SIDEWALK REPLACEMENT, SEE LAYOUT SHEETS
5. PAVEMENT SHALL BE REPLACED AS SHOWN. CROSS SLOPE OF PAVEMENT SHALL MAINTAIN POSITIVE DRAINAGE. THERE SHALL BE NO LOW POINTS COLLECTING SURFACE RUNOFF.
6. EXISTING CURB, GUTTER, SIDEWALK, AND DRIVEWAY SHALL BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED ON THE PLANS.
7. DIMENSIONS SHOWN IN TYPICAL SECTIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY DIMENSIONS WITH THE ENGINEER IN THE FIELD.
8. REMOVAL OF EXISTING PAVEMENT INCLUDES ASPHALT, AGGREGATE BASE, AND SUB BASE AS NECESSARY TO ACHIEVE REQUIRED REMOVAL DEPTH.
9. WHERE THE ENTIRE EXISTING ASPHALT LAYER IS REMOVED, COMPACT AND PREPARE BASE/SUBGRADE PRIOR TO PLACING HMA.
10. SEE PLANS FOR PROPOSED PAVEMENT TREATMENT WITHIN INTERSECTION GRADING LIMITS, WHERE APPLICABLE.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

TYPICAL SECTIONS

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

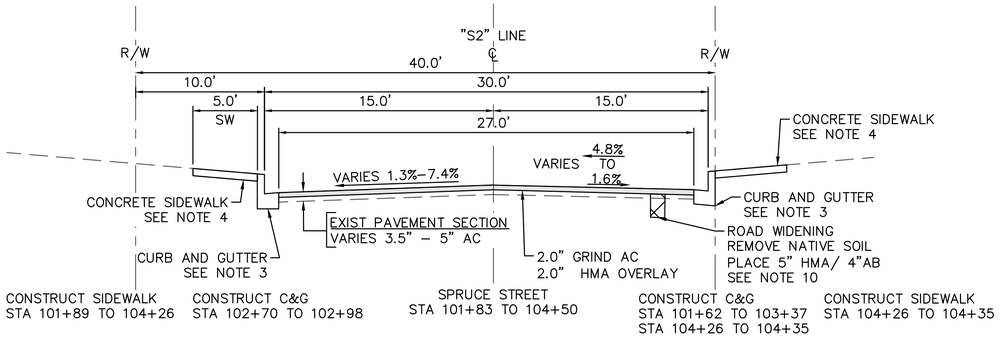
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 — 1/2" — 3/4" — 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

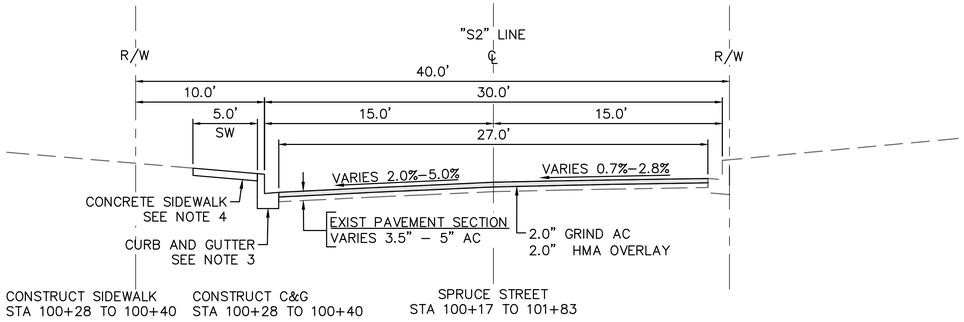
DRAWN BY:	D. VAGHEFI
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	NOT TO SCALE
MBI PROJECT No.	187020

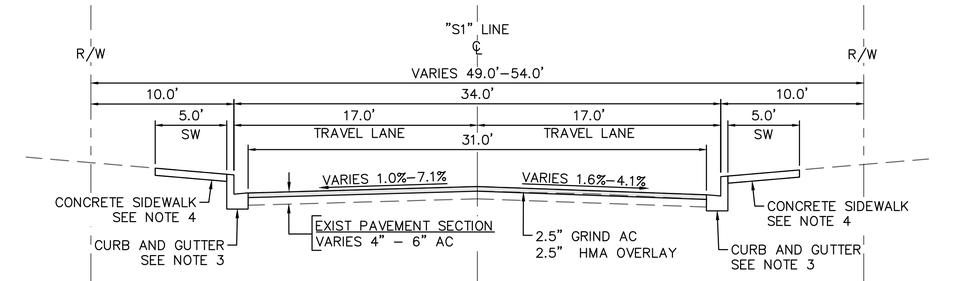
DRAWING No. X-01

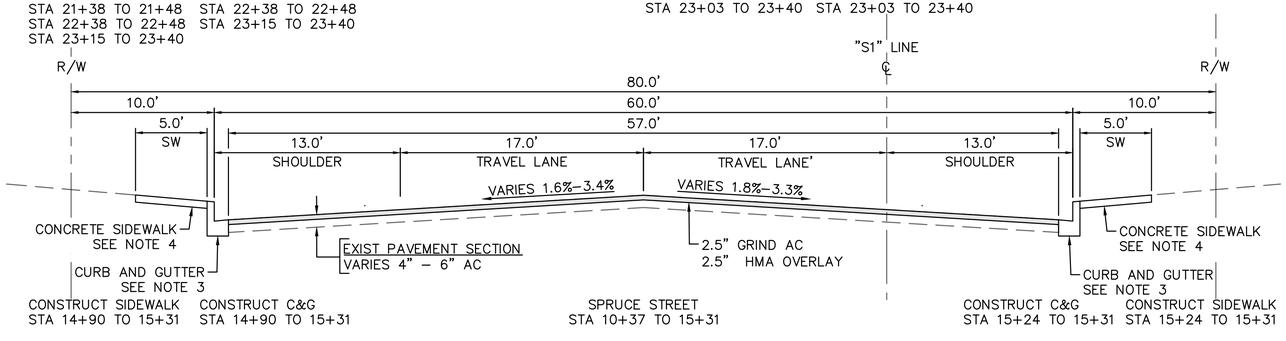
SHEET: 5 OF 169

22-001-P1-04-X-01.dwg
10/26/2022 4:37:35 PM









NOTES:

1. DIMENSIONS OF PAVEMENT STRUCTURAL SECTION ARE SUBJECT TO TOLERANCES SPECIFIED IN THE PLANS AND TECHNICAL SPECIFICATIONS.
2. FOR LOCATIONS OF PAVEMENT REHABILITATION, SEE LAYOUT SHEETS
3. CONSTRUCT 6" CURB AND GUTTER PER CITY STD C–1. FOR LOCATIONS AND LIMITS OF CURB AND GUTTER REPLACEMENT, SEE LAYOUT SHEETS
4. CONSTRUCT CONCRETE SIDEWALK PER CITY STD C–3. FOR LOCATIONS AND LIMITS OF SIDEWALK REPLACEMENT, SEE LAYOUT SHEETS
5. PAVEMENT SHALL BE REPLACED AS SHOWN. CROSS SLOPE OF PAVEMENT SHALL MAINTAIN POSITIVE DRAINAGE. THERE SHALL BE NO LOW POINTS COLLECTING SURFACE RUNOFF.
6. EXISTING CURB, GUTTER, SIDEWALK, AND DRIVEWAY SHALL BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED ON THE PLANS.
7. DIMENSIONS SHOWN IN TYPICAL SECTIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY DIMENSIONS WITH THE ENGINEER IN THE FIELD.
8. REMOVAL OF EXISTING PAVEMENT INCLUDES ASPHALT, AGGREGATE BASE, AND SUB BASE AS NECESSARY TO ACHIEVE REQUIRED REMOVAL DEPTH.
9. WHERE THE ENTIRE EXISTING ASPHALT LAYER IS REMOVED, COMPACT AND PREPARE BASE/ SUBGRADE PRIOR TO PLACING HMA.
10. SEE PLANS FOR PROPOSED PAVEMENT TREATMENT WITHIN INTERSECTION GRADING LIMITS, WHERE APPLICABLE.
11. CONSTRUCT ROAD WIDENING. FOR LOCATIONS AND QUANTITIES, SEE LAYOUT SHEETS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

TYPICAL SECTIONS

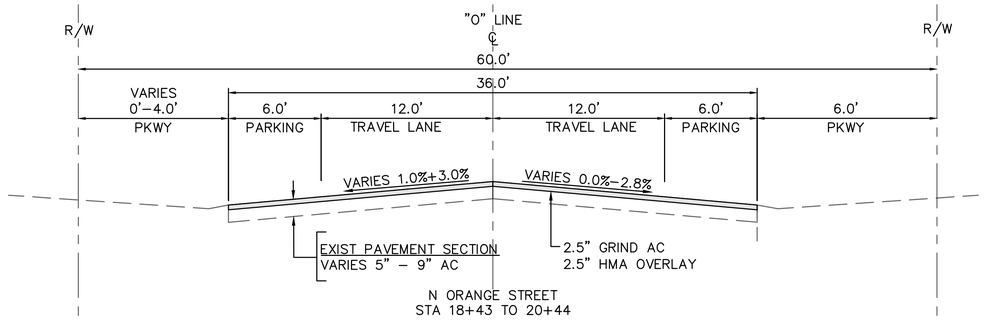
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

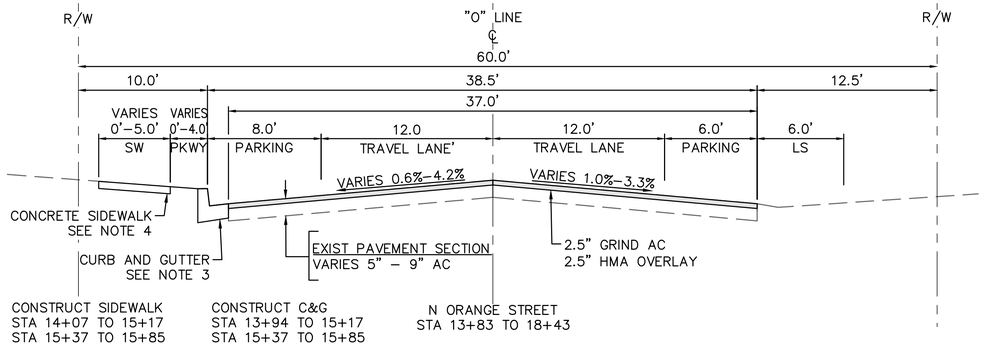
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/2" 1/4" 3/4" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

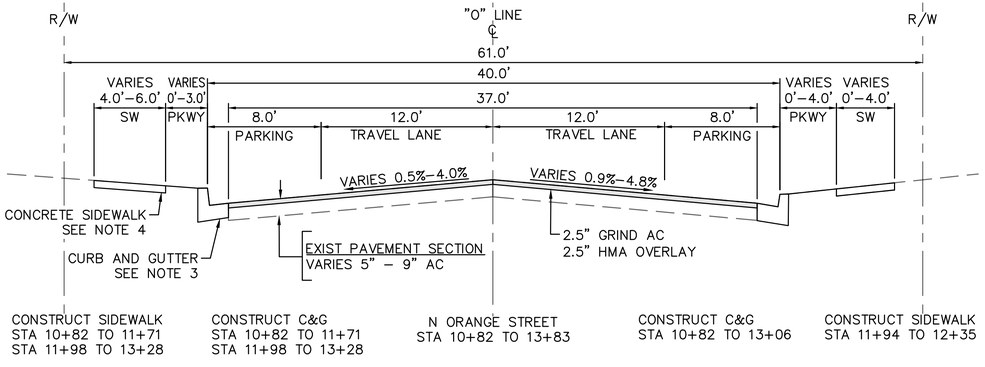
DRAWN BY:	A. FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	NOT TO SCALE
MBI PROJECT No.	187020

DRAWING No. X-02
SHEET: 6 OF 169

22-001-P1-04-X-02.dwg
10/26/2022 4:37:49 PM



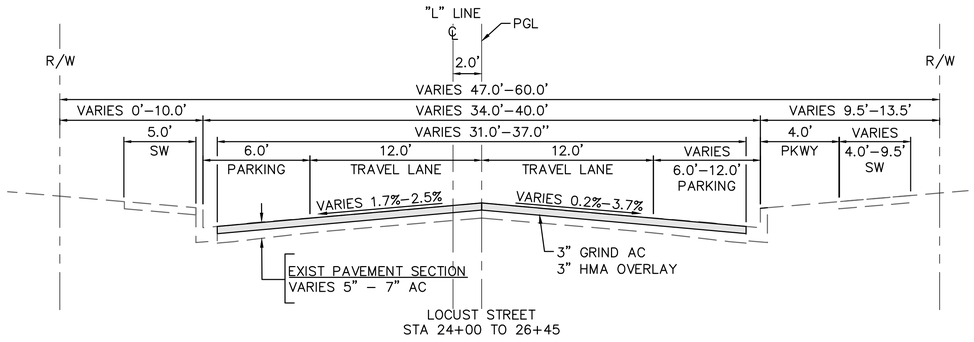


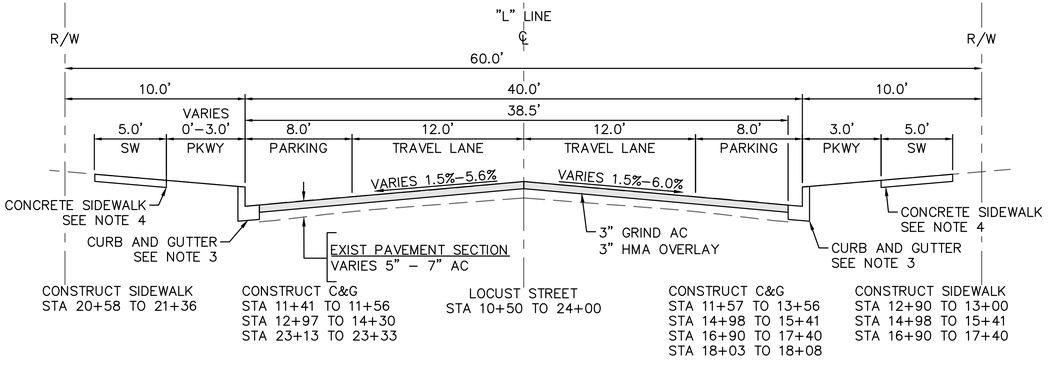


PGL OFFSET FROM CL = 0'
STA 10+50 TO 23+80

PGL OFFSET FROM CL = 0'–2'
STA 23+80 TO 24+00

PGL OFFSET FROM CL = 2'
STA 24+00 TO 26+45





NOTES:

1. DIMENSIONS OF PAVEMENT STRUCTURAL SECTION ARE SUBJECT TO TOLERANCES SPECIFIED IN THE PLANS AND TECHNICAL SPECIFICATIONS.
2. FOR LOCATIONS OF PAVEMENT REHABILITATION, SEE LAYOUT SHEETS
3. CONSTRUCT 6" CURB AND GUTTER PER CITY STD C–1. FOR LOCATIONS AND LIMITS OF CURB AND GUTTER REPLACEMENT, SEE LAYOUT SHEETS
4. CONSTRUCT CONCRETE SIDEWALK PER CITY STD C–3. FOR LOCATIONS AND LIMITS OF SIDEWALK REPLACEMENT, SEE LAYOUT SHEETS
5. PAVEMENT SHALL BE REPLACED AS SHOWN. CROSS SLOPE OF PAVEMENT SHALL MAINTAIN POSITIVE DRAINAGE. THERE SHALL BE NO LOW POINTS COLLECTING SURFACE RUNOFF.
6. EXISTING CURB, GUTTER, SIDEWALK, AND DRIVEWAY SHALL BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED ON THE PLANS.
7. DIMENSIONS SHOWN IN TYPICAL SECTIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY DIMENSIONS WITH THE ENGINEER IN THE FIELD.
8. REMOVAL OF EXISTING PAVEMENT INCLUDES ASPHALT, AGGREGATE BASE, AND SUB BASE AS NECESSARY TO ACHIEVE REQUIRED REMOVAL DEPTH.
9. WHERE THE ENTIRE EXISTING ASPHALT LAYER IS REMOVED, COMPACT AND PREPARE BASE/SUBGRADE LAYER PRIOR TO PLACING HMA.
10. SEE PLANS FOR PROPOSED PAVEMENT TREATMENT AT INTERSECTIONS BEING REGRADED

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

TYPICAL SECTIONS

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

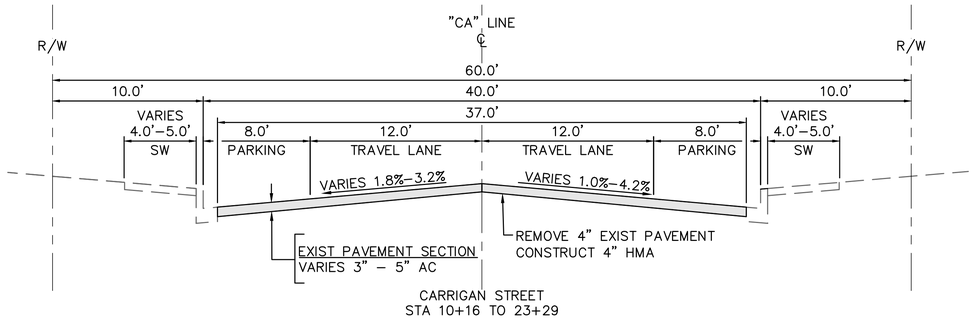
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

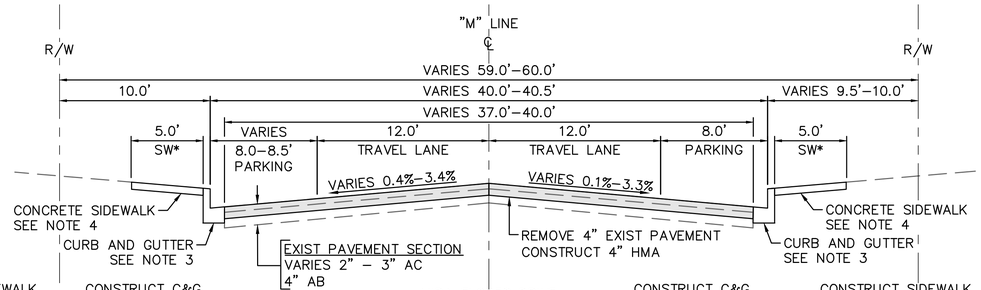
DRAWN BY:	A. FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	NOT TO SCALE
MBI PROJECT No.	187020

DRAWING No. X-03

SHEET: 7 OF 169

22-001-P1-04-X-03.dwg
10/28/2022 6:19:32 PM





CONSTRUCT SIDEWALK
STA 22+39 TO 22+45
STA 23+30 TO 23+70
STA 25+14 TO 25+37
STA 26+13 TO 26+57
STA 31+00 TO 31+04
STA 31+96 TO 32+50
STA 33+59 TO 33+94
STA 34+80 TO 35+13
STA 35+70 TO 35+85
STA 36+65 TO 36+78
STA 37+64 TO 38+08

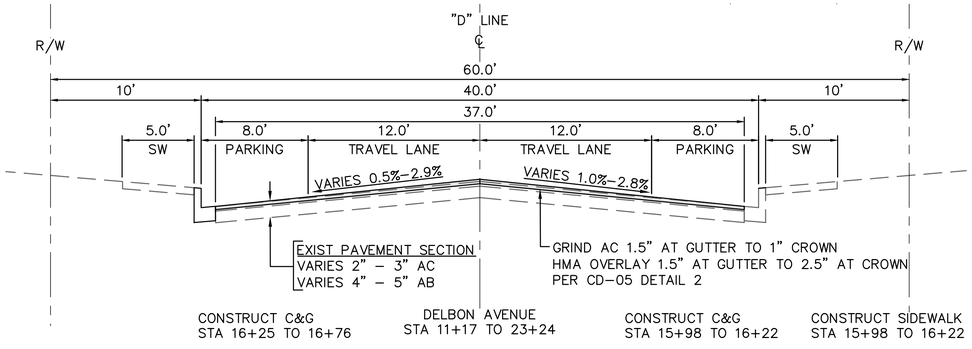
CONSTRUCT C&G
STA 10+30 TO 14+65
STA 22+39 TO 22+45
STA 23+30 TO 23+70
STA 25+14 TO 25+37
STA 26+13 TO 26+57
STA 31+00 TO 31+04
STA 31+96 TO 32+50
STA 33+59 TO 33+94
STA 34+80 TO 35+13
STA 35+70 TO 35+85
STA 36+65 TO 36+78
STA 37+64 TO 38+08

*NO SW BETWEEN

MIRA FLORES DRIVE
STA 10+23 TO 38+73
STA 10+23 TO 14+75

CONSTRUCT C&G
STA 10+30 TO 14+65
STA 20+97 TO 21+17
STA 22+06 TO 22+19
STA 31+91 TO 32+02

CONSTRUCT SIDEWALK
STA 20+97 TO 21+17
STA 22+06 TO 22+19
STA 31+91 TO 32+02

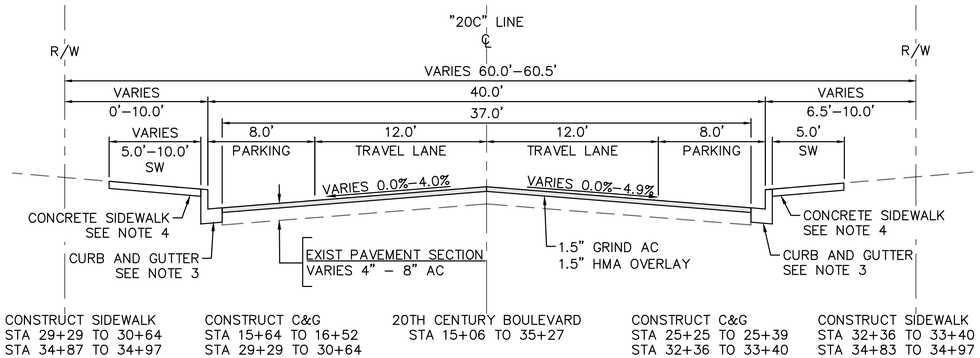


CONSTRUCT C&G
STA 16+25 TO 16+76

DELBON AVENUE
STA 11+17 TO 23+24

CONSTRUCT C&G
STA 15+98 TO 16+22

CONSTRUCT SIDEWALK
STA 15+98 TO 16+22



CONSTRUCT SIDEWALK
STA 29+29 TO 30+64
STA 34+87 TO 34+97

CONSTRUCT C&G
STA 15+64 TO 16+52
STA 29+29 TO 30+64
STA 34+87 TO 34+97

20TH CENTURY BOULEVARD
STA 15+06 TO 35+27

CONSTRUCT C&G
STA 25+25 TO 25+39
STA 32+36 TO 33+40
STA 34+83 TO 34+97

CONSTRUCT SIDEWALK
STA 32+36 TO 33+40
STA 34+83 TO 34+97

NOTES:

1. DIMENSIONS OF PAVEMENT STRUCTURAL SECTION ARE SUBJECT TO TOLERANCES SPECIFIED IN THE PLANS AND TECHNICAL SPECIFICATIONS.
2. FOR LOCATIONS OF PAVEMENT REHABILITATION, SEE LAYOUT SHEETS
3. CONSTRUCT 6" CURB AND GUTTER PER CITY STD C–1. FOR LOCATIONS AND LIMITS OF CURB AND GUTTER REPLACEMENT, SEE LAYOUT SHEETS
4. CONSTRUCT CONCRETE SIDEWALK PER CITY STD C–3. FOR LOCATIONS AND LIMITS OF SIDEWALK REPLACEMENT, SEE LAYOUT SHEETS
5. PAVEMENT SHALL BE REPLACED AS SHOWN. CROSS SLOPE OF PAVEMENT SHALL MAINTAIN POSITIVE DRAINAGE. THERE SHALL BE NO LOW POINTS COLLECTING SURFACE RUNOFF.
6. EXISTING CURB, GUTTER, SIDEWALK, AND DRIVEWAY SHALL BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED ON THE PLANS.
7. DIMENSIONS SHOWN IN TYPICAL SECTIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY DIMENSIONS WITH THE ENGINEER IN THE FIELD.
8. REMOVAL OF EXISTING PAVEMENT INCLUDES ASPHALT, AGGREGATE BASE, AND SUB BASE AS NECESSARY TO ACHIEVE REQUIRED REMOVAL DEPTH.
9. WHERE THE ENTIRE EXISTING ASPHALT LAYER IS REMOVED, COMPACT AND PREPARE BASE/SUBGRADE PRIOR TO PLACING HMA.
10. SEE PLANS FOR PROPOSED PAVEMENT TREATMENT WITHIN INTERSECTION GRADING LIMITS, WHERE APPLICABLE.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

TYPICAL SECTIONS

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1"
1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

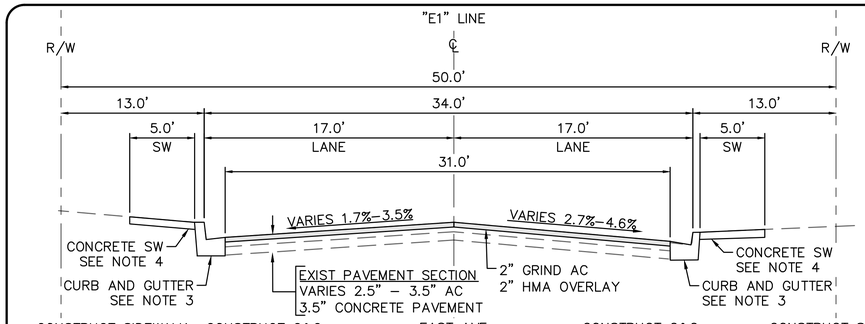
DRAWN BY:	A. FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	NOT TO SCALE
MBI PROJECT No.	187020

DRAWING No. X-04

SHEET: 8 OF 169

22-001-P1-04-X-04.dwg

10/26/2022 4:38:27 PM



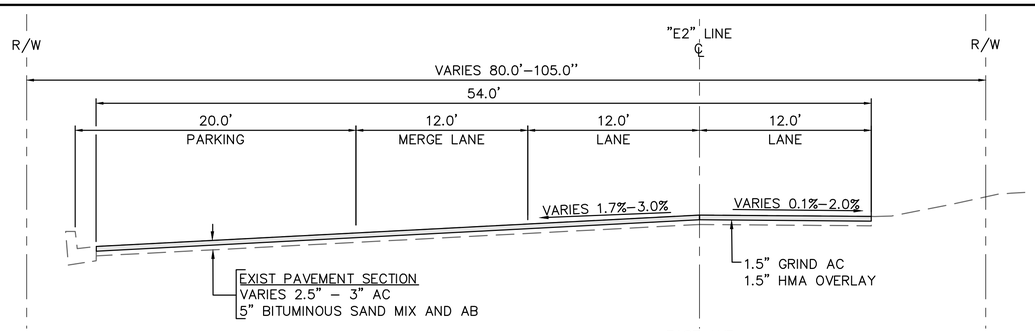
CONSTRUCT SIDEWALK
STA 22+55 TO 24+05

CONSTRUCT C&G
STA 22+98 TO 23+95

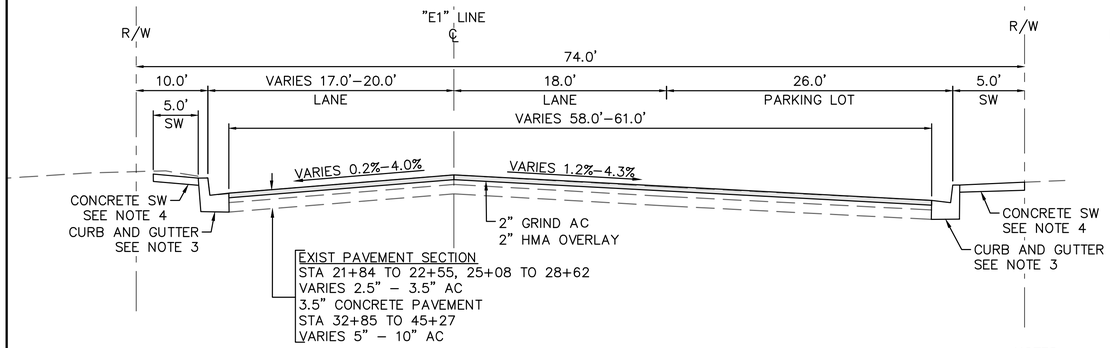
EAST AVE
STA 22+55 TO 25+08

CONSTRUCT C&G
STA 22+54 TO 23+97
STA 24+22 TO 25+08

CONSTRUCT SIDEWALK
STA 22+54 TO 23+97
STA 24+22 TO 25+08



EAST AVE
STA 100+57 TO 113+54



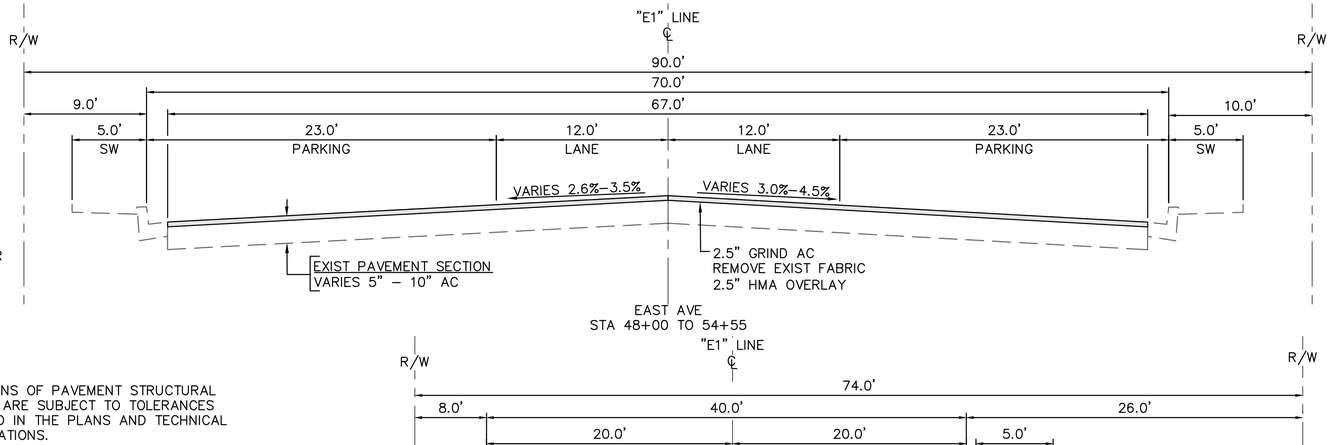
CONSTRUCT SIDEWALK
STA 21+84 TO 22+55
STA 25+10 TO 25+63

CONSTRUCT C&G
STA 21+84 TO 22+27
STA 25+10 TO 25+63
STA 26+24 TO 26+87
STA 27+43 TO 27+71
STA 27+97 TO 28+23
STA 41+05 TO 41+16

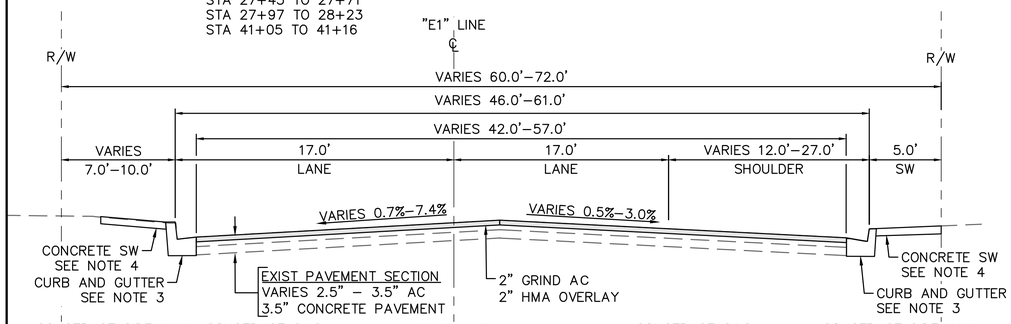
EAST AVE
21+84 TO 22+55
25+08 TO 28+62
32+85 TO 45+27

CONSTRUCT C&G
STA 38+13 TO 40+13
STA 40+86 TO 40+92

CONSTRUCT SIDEWALK
STA 38+13 TO 40+92



EAST AVE
STA 48+00 TO 54+55



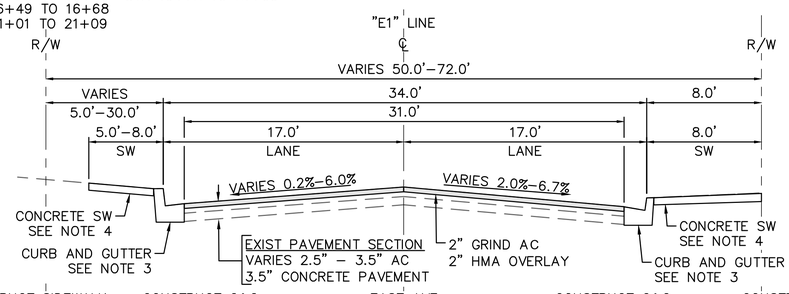
CONSTRUCT SIDEWALK
STA 14+88 TO 14+95
STA 16+25 TO 16+46
STA 16+49 TO 16+68
STA 21+01 TO 21+09

CONSTRUCT C&G
STA 14+88 TO 18+36
STA 19+72 TO 21+09

EAST AVE
STA 14+50 TO 21+84

CONSTRUCT C&G
STA 15+83 TO 16+10

CONSTRUCT SIDEWALK
STA 15+83 TO 16+10



CONSTRUCT SIDEWALK
STA 10+44 TO 13+89

CONSTRUCT C&G
STA 10+44 TO 13+89

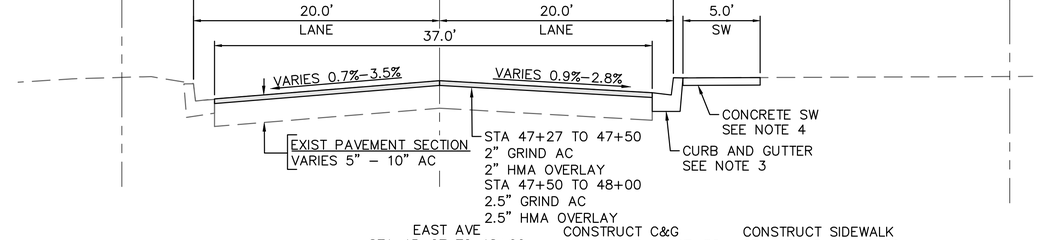
EAST AVE
STA 10+46 TO 14+50

CONSTRUCT C&G
STA 11+12 TO 11+25
STA 12+00 TO 12+39
STA 12+75 TO 14+34

CONSTRUCT SIDEWALK
STA 11+12 TO 11+25
STA 12+00 TO 12+39
STA 13+66 TO 14+34

NOTES:

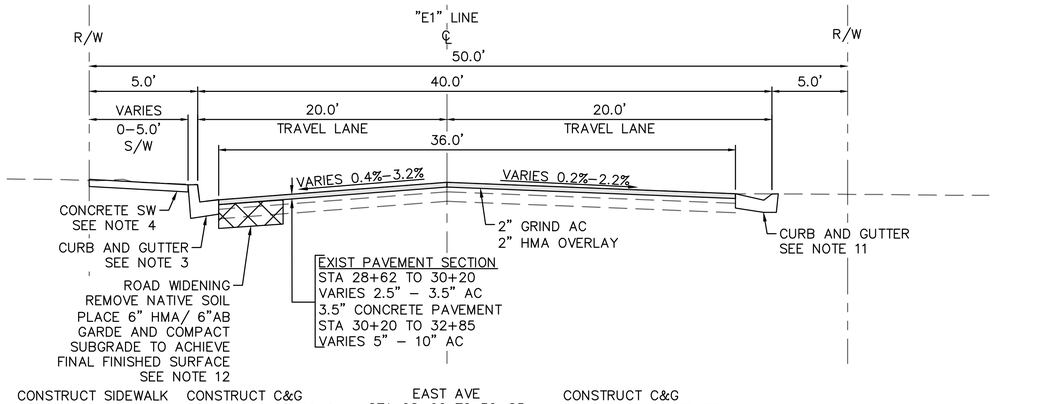
1. DIMENSIONS OF PAVEMENT STRUCTURAL SECTION ARE SUBJECT TO TOLERANCES SPECIFIED IN THE PLANS AND TECHNICAL SPECIFICATIONS.
2. FOR LOCATIONS OF PAVEMENT REHABILITATION, SEE LAYOUT SHEETS
3. CONSTRUCT 6" CURB AND GUTTER PER CITY STD C–1. FOR LOCATIONS AND LIMITS OF CURB AND GUTTER REPLACEMENT, SEE LAYOUT SHEETS
4. CONSTRUCT CONCRETE SIDEWALK PER CITY STD C–3. FOR LOCATIONS AND LIMITS OF SIDEWALK REPLACEMENT, SEE LAYOUT SHEETS
5. PAVEMENT SHALL BE REPLACED AS SHOWN. CROSS SLOPE OF PAVEMENT SHALL MAINTAIN POSITIVE DRAINAGE. THERE SHALL BE NO LOW POINTS COLLECTING SURFACE RUNOFF.
6. EXISTING CURB, GUTTER, SIDEWALK, AND DRIVEWAY SHALL BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED ON THE PLANS.
7. DIMENSIONS SHOWN IN TYPICAL SECTIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY DIMENSIONS WITH THE ENGINEER IN THE FIELD.
8. REMOVAL OF EXISTING PAVEMENT INCLUDES ASPHALT, AGGREGATE BASE, AND SUB BASE AS NECESSARY TO ACHIEVE REQUIRED REMOVAL DEPTH.
9. WHERE THE ENTIRE EXISTING ASPHALT LAYER IS REMOVED, COMPACT AND PREPARE BASE/SUBGRADE PRIOR TO PLACING HMA.
10. SEE PLANS FOR PROPOSED PAVEMENT TREATMENT WITHIN INTERSECTION GRADING LIMITS, WHERE APPLICABLE.
11. CONSTRUCT CURB AND GUTTER TYPE E PER CALTRANS STD DWG A87A. FOR LOCATIONS AND QUANTITIES OF CURB AND GUTTER REPLACEMENT, SEE LAYOUT SHEETS
12. CONSTRUCT ROAD WIDENING. FOR LOCATIONS AND QUANTITIES, SEE LAYOUT SHEETS



EAST AVE
STA 45+27 TO 48+00

CONSTRUCT C&G
STA 45+25 TO 47+56

CONSTRUCT SIDEWALK
STA 45+25 TO 47+56



CONSTRUCT SIDEWALK
STA 29+26 TO 30+01

CONSTRUCT C&G
STA 29+26 TO 30+01

EAST AVE
STA 28+62 TO 32+85

CONSTRUCT C&G
STA 28+62 TO 32+86

USA NORTH 811
Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

TYPICAL SECTIONS

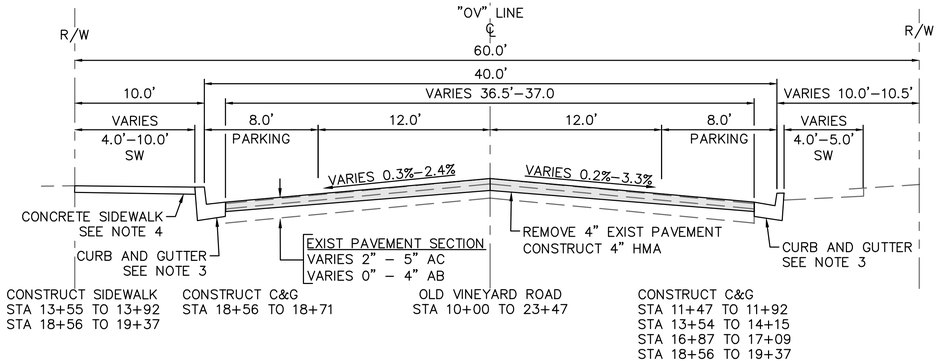
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

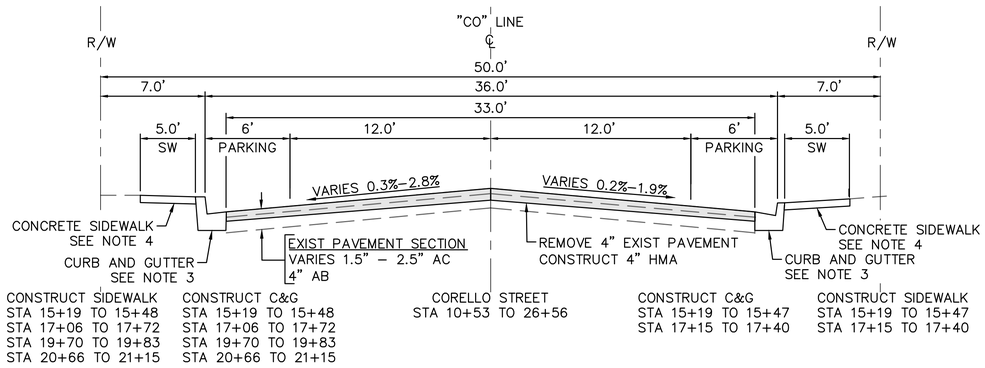
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY: A. FRONING	
REV. BY:	
CH. BY: S. ARAIN	
DATE: 10/28/2022	
SCALE: NOT TO SCALE	
MBI PROJECT No. 187020	

DRAWING No.
X-05
SHEET:
9 OF 169

22-001-P1-04-X-05.dwg
10/26/2022 4:38:58 PM





NOTES:

1. DIMENSIONS OF PAVEMENT STRUCTURAL SECTION ARE SUBJECT TO TOLERANCES SPECIFIED IN THE PLANS AND TECHNICAL SPECIFICATIONS.
2. FOR LOCATIONS OF PAVEMENT REHABILITATION, SEE LAYOUT SHEETS
3. CONSTRUCT 6" CURB AND GUTTER PER CITY STD C–1. FOR LOCATIONS AND LIMITS OF CURB AND GUTTER REPLACEMENT, SEE LAYOUT SHEETS
4. CONSTRUCT CONCRETE SIDEWALK PER CITY STD C–3. FOR LOCATIONS AND LIMITS OF SIDEWALK REPLACEMENT, SEE LAYOUT SHEETS
5. PAVEMENT SHALL BE REPLACED AS SHOWN. CROSS SLOPE OF PAVEMENT SHALL MAINTAIN POSITIVE DRAINAGE. THERE SHALL BE NO LOW POINTS COLLECTING SURFACE RUNOFF.
6. EXISTING CURB, GUTTER, SIDEWALK, AND DRIVEWAY SHALL BE PROTECTED IN PLACE, UNLESS OTHERWISE NOTED ON THE PLANS.
7. DIMENSIONS SHOWN IN TYPICAL SECTIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY DIMENSIONS WITH THE ENGINEER IN THE FIELD.
8. REMOVAL OF EXISTING PAVEMENT INCLUDES ASPHALT, AGGREGATE BASE, AND SUB BASE AS NECESSARY TO ACHIEVE REQUIRED REMOVAL DEPTH.
9. WHERE THE ENTIRE EXISTING ASPHALT LAYER IS REMOVED, COMPACT AND PREPARE BASE/ SUBGRADE PRIOR TO PLACING HMA.
10. SEE PLANS FOR PROPOSED PAVEMENT TREATMENT WITHIN INTERSECTION GRADING LIMITS, WHERE APPLICABLE.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

TYPICAL SECTIONS

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

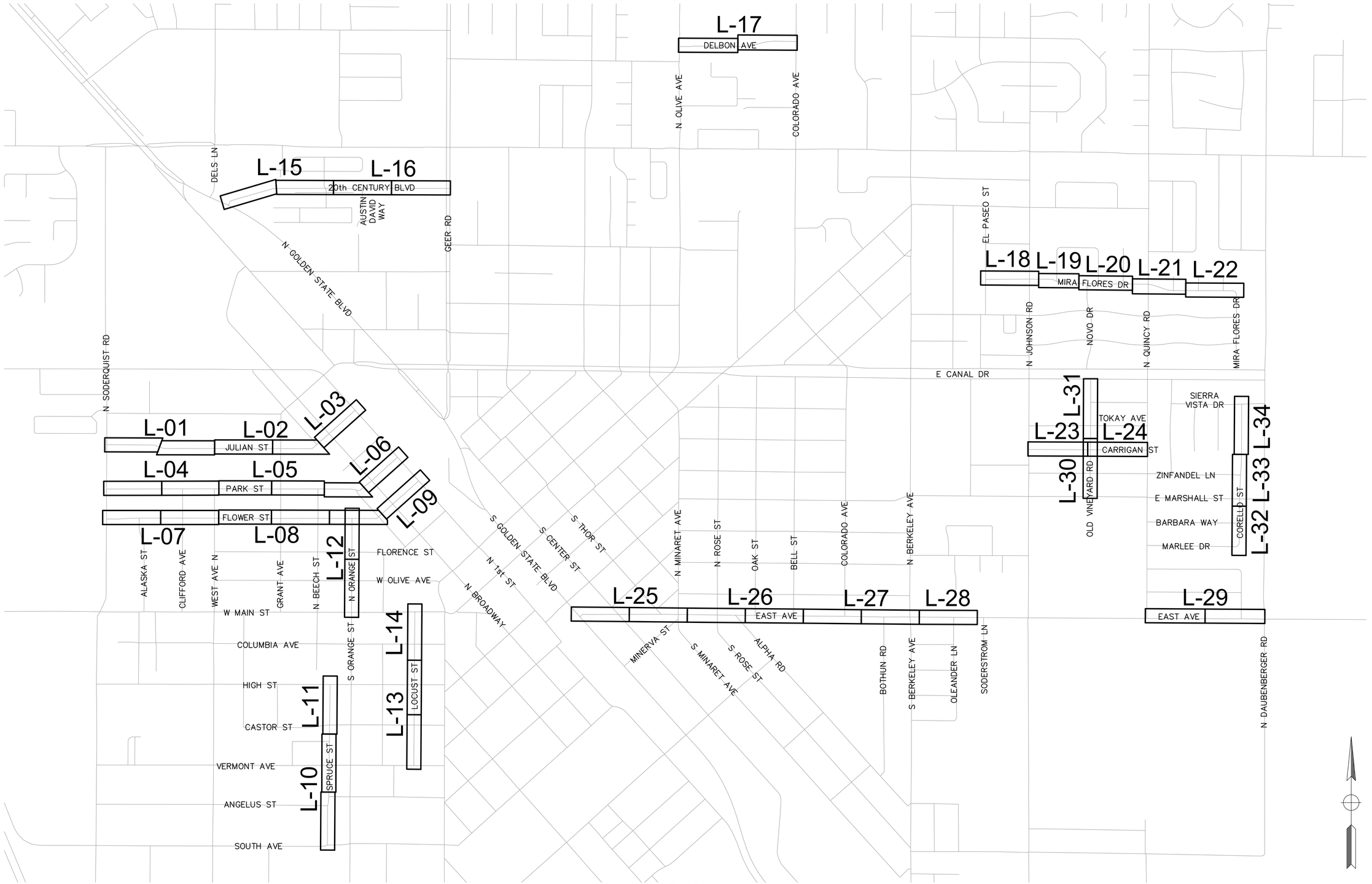
DRAWN BY:	A. FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. X-06

SHEET: 10 OF 169

22–001–P1–04–X–06.dwg

10/26/2022 4:39:11 PM



PLAN
NTS

22-001-P1-05-K-01.dwg

10/26/2022 4:39:17 PM

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

KEY MAP

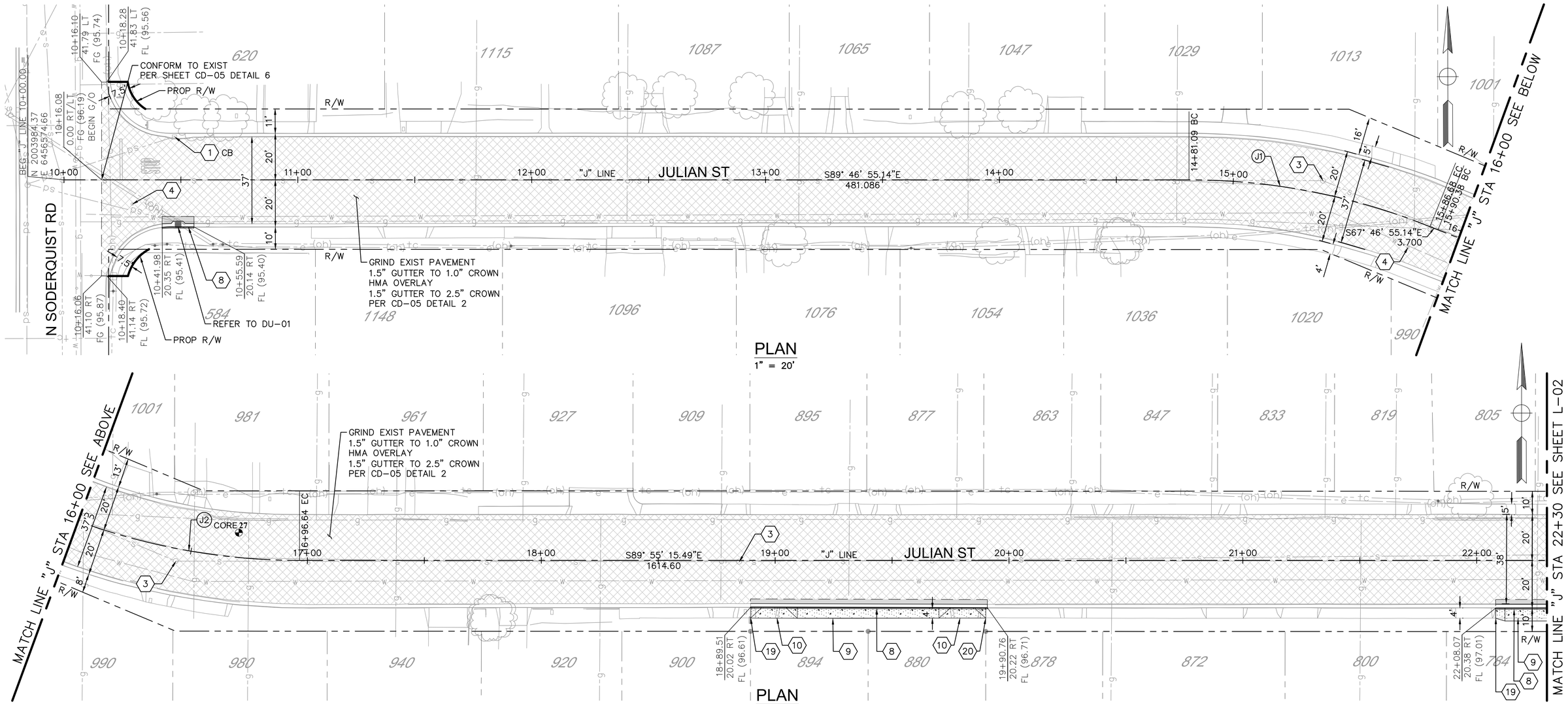
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
K-01

SHEET:
11 OF 169



PLAN
1" = 20'

PLAN
1" = 20'

NOTES:
1. LIMITS OF PAVEMENT REHABILITATION APPROXIMATE. CONTRACTOR TO VERIFY THE LOCATION OF CONFORM AND RECEIVE FINAL APPROVAL FROM THE ENGINEER.
2. EXISTING CURB AND GUTTER TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
3. LOCATIONS OF CONCRETE REPLACEMENT ARE APPROXIMATE. FOR CURB AND GUTTER REPLACEMENT, CONTRACTOR SHALL SLOPE FLOWLINE TO MAINTAIN POSITIVE DRAINAGE BETWEEN CONFORM POINTS.
4. CONTRACTOR SHALL DOCUMENT ALL MANHOLE COVER AND BOX LOCATIONS PRIOR TO BEGINNING PAVING WORK. ALL COVERS MUST BE ADJUSTED TO GRADE FOLLOWING PAVING.
5. UTILITY INFORMATION SHOWN ON PLANS IS BASED ON AVAILABLE RECORDS, INCLUDING THE CITY'S GIS DATA. UTILITY LOCATIONS WERE CORRELATED WITH VISIBLE UTILITY FEATURES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO POSITIVELY LOCATE (POTHOLE) AND EXPOSE UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION AND PROTECT THEM FROM DAMAGE.
6. CONTRACTOR SHALL REPLACE LANDSCAPING IN KIND AND REESTABLISH IRRIGATION THAT IS DAMAGED DURING CONSTRUCTION.
7. PRESERVATION OF EXISTING MONUMENTS SHALL BE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR SHALL NOTIFY ENGINEER OF ALL MONUMENTS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS. EXISTING MONUMENT COVERS SHALL BE ADJUSTED TO GRADE. MONUMENT WELLS INSTALLED BY THE CONTRACTOR SHALL CONFORM TO STD M-1.
8. NEW OR REPLACED CURB AND GUTTER, SIDEWALK, OR DRIVEWAY SHALL INCLUDE ANY NECESSARY GRADING BEHIND THE IMPROVEMENT TO CONFORM TO EXISTING CONDITION, UP TO 5 FT OR TO THE CITY RIGHT OF WAY. WHERE ANY CONSTRUCTION ACTIVITY MAY ENCROACH INTO PRIVATE PROPERTY, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
9. EXISTING WALKWAYS ADJACENT TO PROPOSED SIDEWALK OR CURB AND GUTTER IMPROVEMENTS SHALL BE RESET OR REPAVED TO CONFORM TO THE NEW CONSTRUCTION BY THE CONTRACTOR WHERE REQUESTED BY THE ENGINEER.
10. TRAFFIC SIGNAL OPERATION MUST BE FULLY RESTORED WITHIN 72 HOURS OF SHUTDOWN. THE CONTRACTOR MUST GIVE ONE WEEK NOTICE TO THE CITY AND OBTAIN APPROVAL FROM THE ENGINEER BEFORE CUTTING LOOPS.
11. PROPOSED RIGHT OF WAY AND TEMPORARY CONSTRUCTION EASEMENTS TO BE ACQUIRED BY THE CITY WHERE SHOWN.
12. FULL DEPTH AC PATCH SHALL BE INSTALLED AT PROPOSED CURB AND GUTTER AND CURB RAMP LOCATIONS PER CD-04 DETAIL 3.
13. UNLESS OTHERWISE SHOWN ON THE PLANS, PROPOSED SIDEWALK SHALL BE 5 FT WIDE, MEASURED FROM THE BACK OF CURB, AND SIDEWALK WIDTH TRANSITIONS SHALL OCCUR OVER 4 FT.
14. TREES INDICATED FOR REMOVAL SHALL BE INSPECTED BY THE CITY DURING CONSTRUCTION TO DETERMINE IF PORTIONS OF THE ROOT SYSTEM CAN BE REMOVED TO ACCOMMODATE THE IMPROVEMENTS OR IF THE WHOLE TREE NEEDS TO BE REMOVED AND REPLACED.
15. PROPOSED CURB AND GUTTER SHALL CONFORM TO EXISTING AT LIMITS. SEE SHEET CD-05 DETAIL 4 FOR CURB TRANSITION DETAIL.
16. CURB RAMP CONTROL LOCATIONS SPECIFIED ON PLANS ARE LOCATED AT THE CENTER OF THE CURB RAMP AT THE FACE OF CURB.

CONSTRUCTION NOTES:
1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1
9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5

CONSTRUCTION NOTES CONT:
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12
17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE
24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6"AB.

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
27	4½" LIFT 1 = 1½" LIFT 2 = 3"	0"

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
J1	275.00'	22°00'00.00"	104.94'	105.59'
J2	275.00'	22°08'20.34"	105.60'	106.26'

USA NORTH 811 Call 811 Before You Dig

NOTE: ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

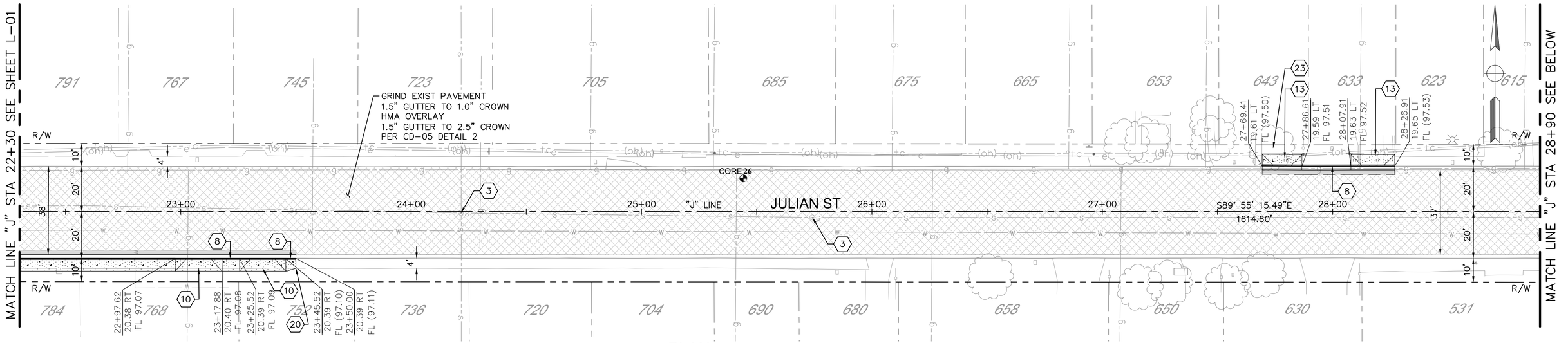
PLAN
JULIAN STREET
STA 10+00 TO STA 22+30
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

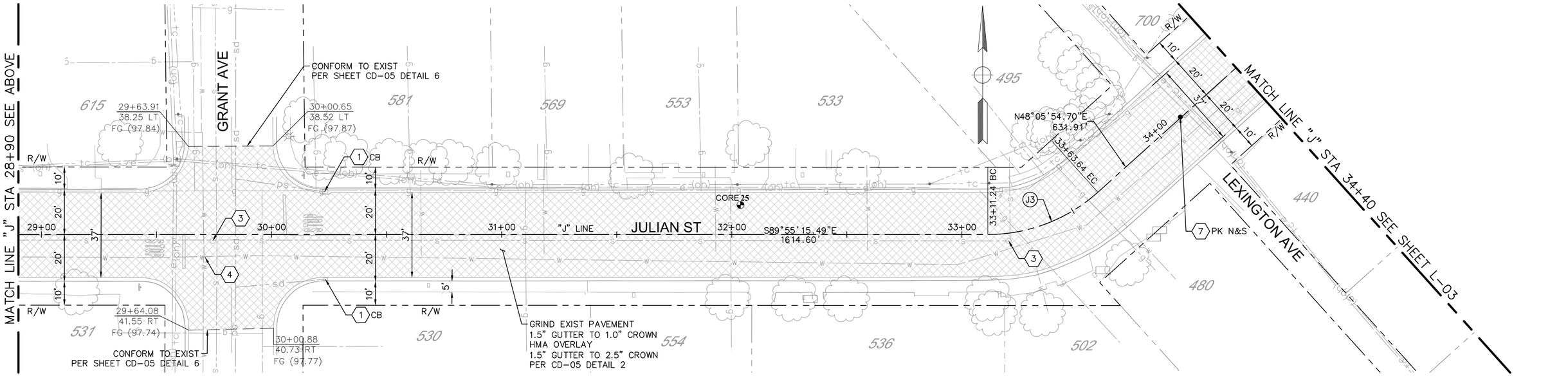
DRAWN BY:	J. DRAGO
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-01
SHEET: 12 OF 169

22-001-P1-05-L-01.dwg
10/28/2022 1:53:48 PM



PLAN
1" = 20'



PLAN
1" = 20'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
J3	71.51'	41°58'49.82"	51.23'	52.40'

CONSTRUCTION NOTES CONT:

24. REMOVE FULL DEPTH EXIST AC/AB. EXCAVATE/EMBANK TO ACHIEVE FINAL FINISHED SURFACE. COMPACT SUBGRADE. PLACE 6" AC OVER 6"AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
25	7" LIFT 1 = 1½" LIFT 2 = 5½"	0"
26	3½" LIFT 1 = 1¼" LIFT 2 = 2¼"	0"

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

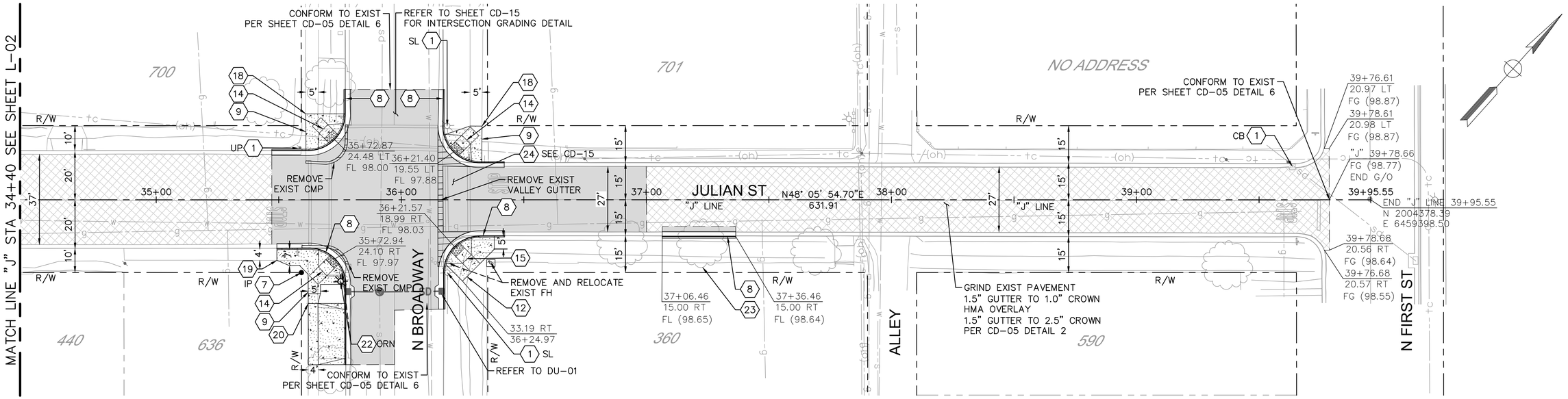
PLAN
JULIAN STREET
STA 22+30 TO STA 34+40
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. DRAGO
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-02
SHEET: 13 OF 169

22-001-P1-05-L-02.dwg
10/28/2022 1:55:45 PM



PLAN
1" = 20'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CONSTRUCTION NOTES CONT:

24. REMOVE FULL DEPTH EXIST AC/AB. EXCAVATE/EMBANK TO ACHIEVE FINAL FINISHED SURFACE. COMPACT SUBGRADE. PLACE 6" AC OVER 6"AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

PLAN
JULIAN STREET
STA 34+40 TO STA 39+91.10
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

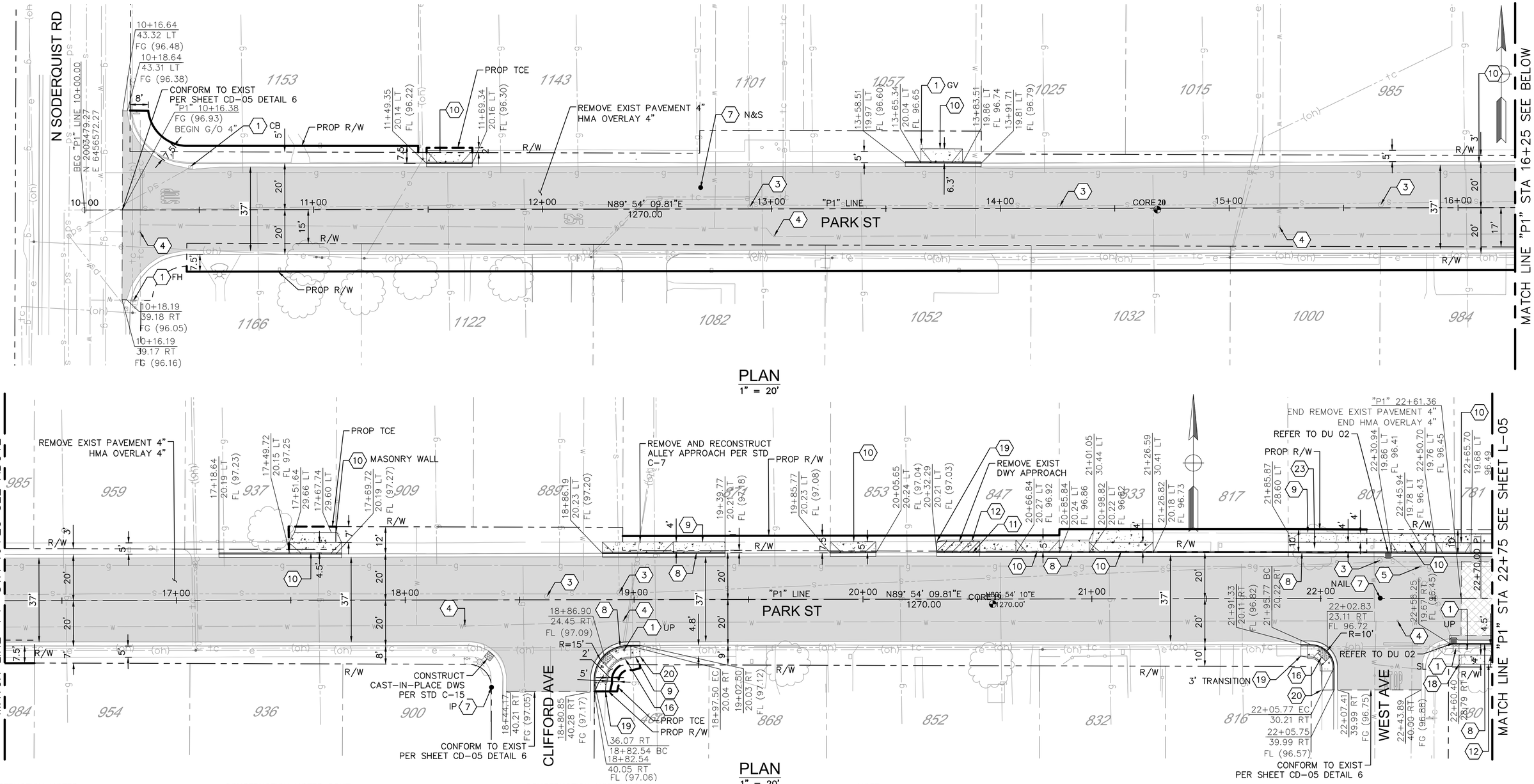
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. DRAGO
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-03

SHEET: 14 OF 169

22-001-P1-05-L-03.dwg
10/28/2022 1:56:38 PM



PLAN
1" = 20'

PLAN
1" = 20'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CONSTRUCTION NOTES CONT:

24. REMOVE FULL DEPTH EXIST AC/AB. EXCAVATE/EMBANK TO ACHIEVE FINAL FINISHED SURFACE. COMPACT SUBGRADE. PLACE 6" AC OVER 6"AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
19	4" LIFT 1 = 1¼" LIFT 2 = 2¾"	0"
20	3½" LIFT 1 = 2" LIFT 2 = 1½"	0"

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

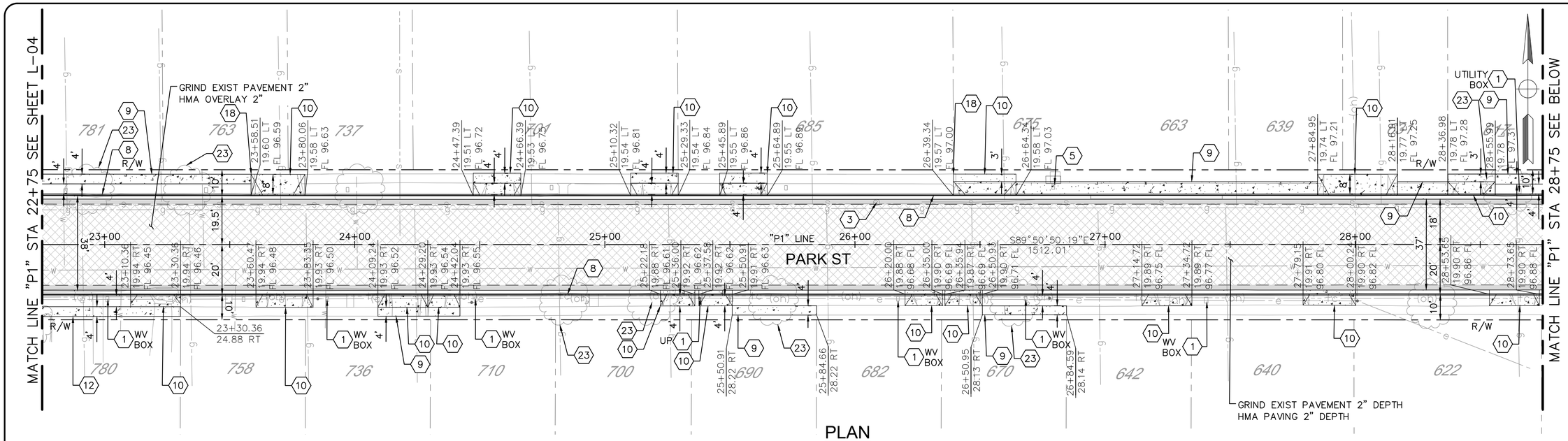
PLAN
PARK STREET
"P1" STA 10+00 TO STA 22+75
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1/2" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

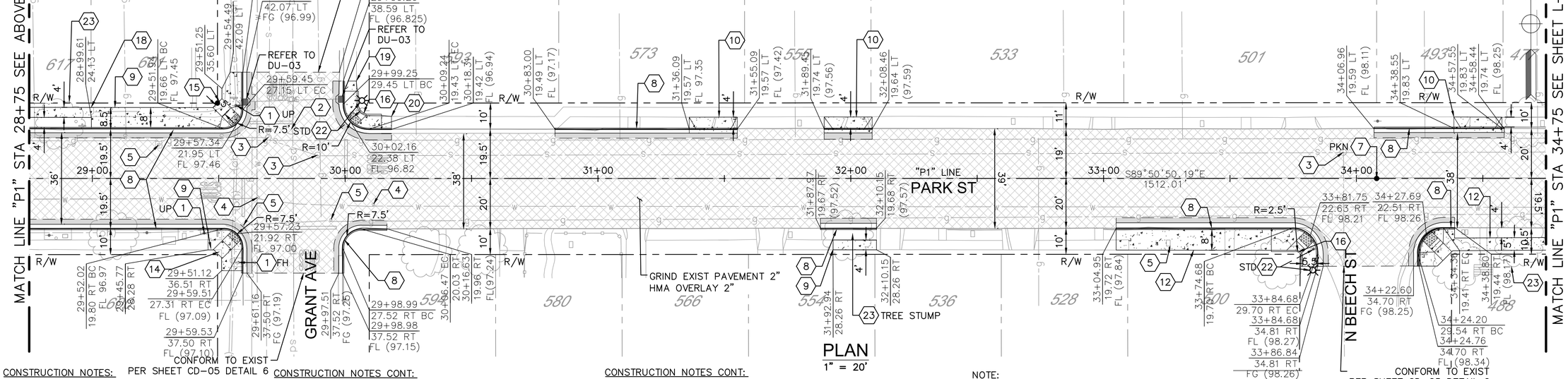
DRAWN BY:	J. DRAGO
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-04
SHEET: 15 OF 169

22-001-P1-05-L-04.dwg
10/28/2022 8:10:58 PM



PLAN
1" = 20'



PLAN
1" = 20'

CONSTRUCTION NOTES: PER SHEET CD-05 DETAIL 6

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CONSTRUCTION NOTES CONT:

24. REMOVE FULL DEPTH EXIST AC/AB. EXCAVATE/EMBANK TO ACHIEVE FINAL FINISHED SURFACE. COMPACT SUBGRADE. PLACE 6" AC OVER 6"AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

PLAN
PARK STREET
"P1" STA 22+75 TO STA 34+75
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

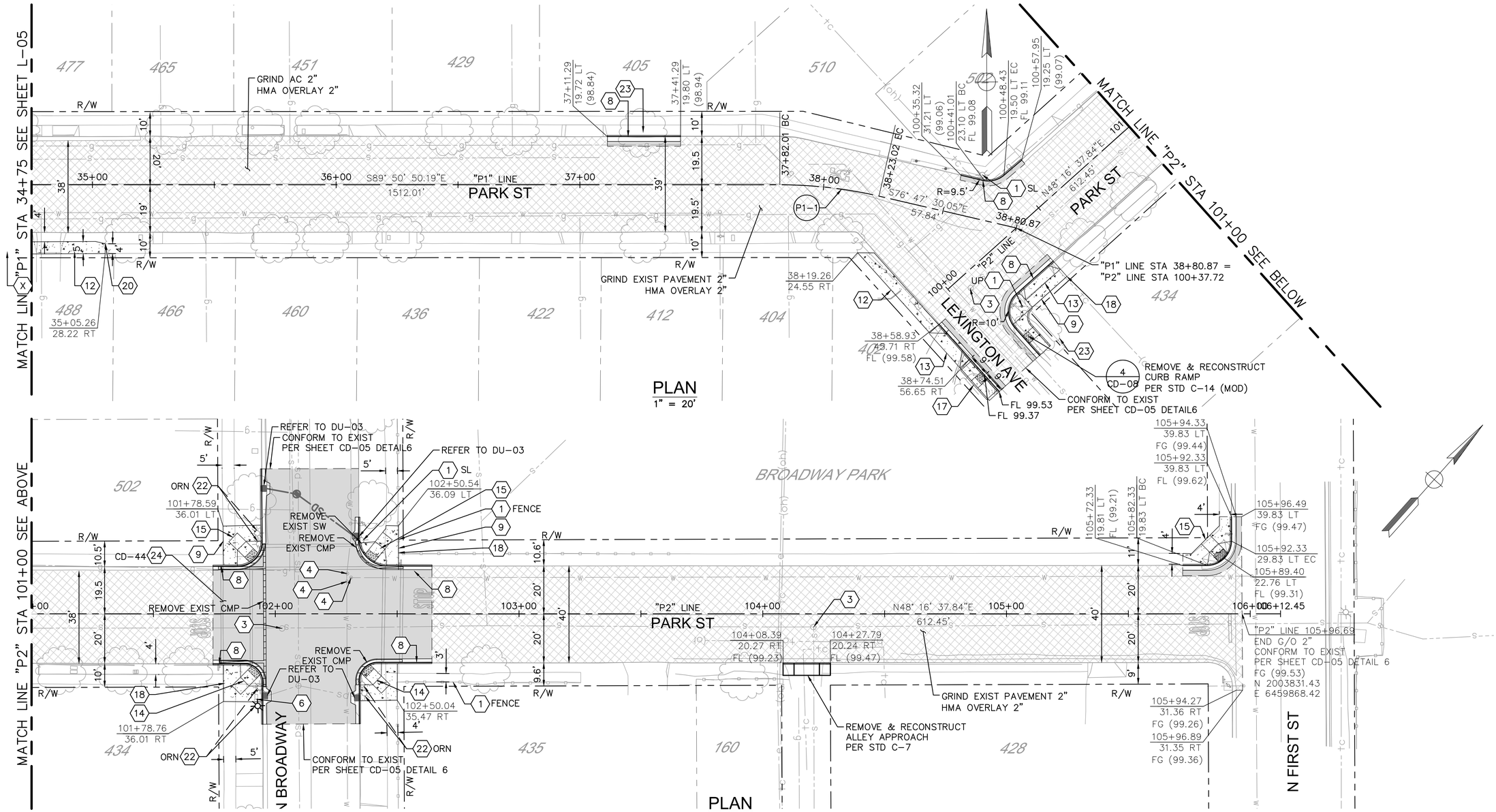
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. DRAGO
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-05

SHEET: 16 OF 169

22-001-P1-05-L-05.dwg
10/28/2022 8:12:32 PM



CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CONSTRUCTION NOTES CONT:

24. REMOVE FULL DEPTH EXIST AC/AB. EXCAVATE/EMBANK TO ACHIEVE FINAL FINISHED SURFACE. COMPACT SUBGRADE. PLACE 6" AC OVER 6"AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
P1-1	180.00'	013°03'20.13"	20.60'	41.02'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

PLAN PARK STREET
"P1" STA 34+75 TO STA 38+80.87
"P2" STA 100+00 TO STA 106+12.45
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

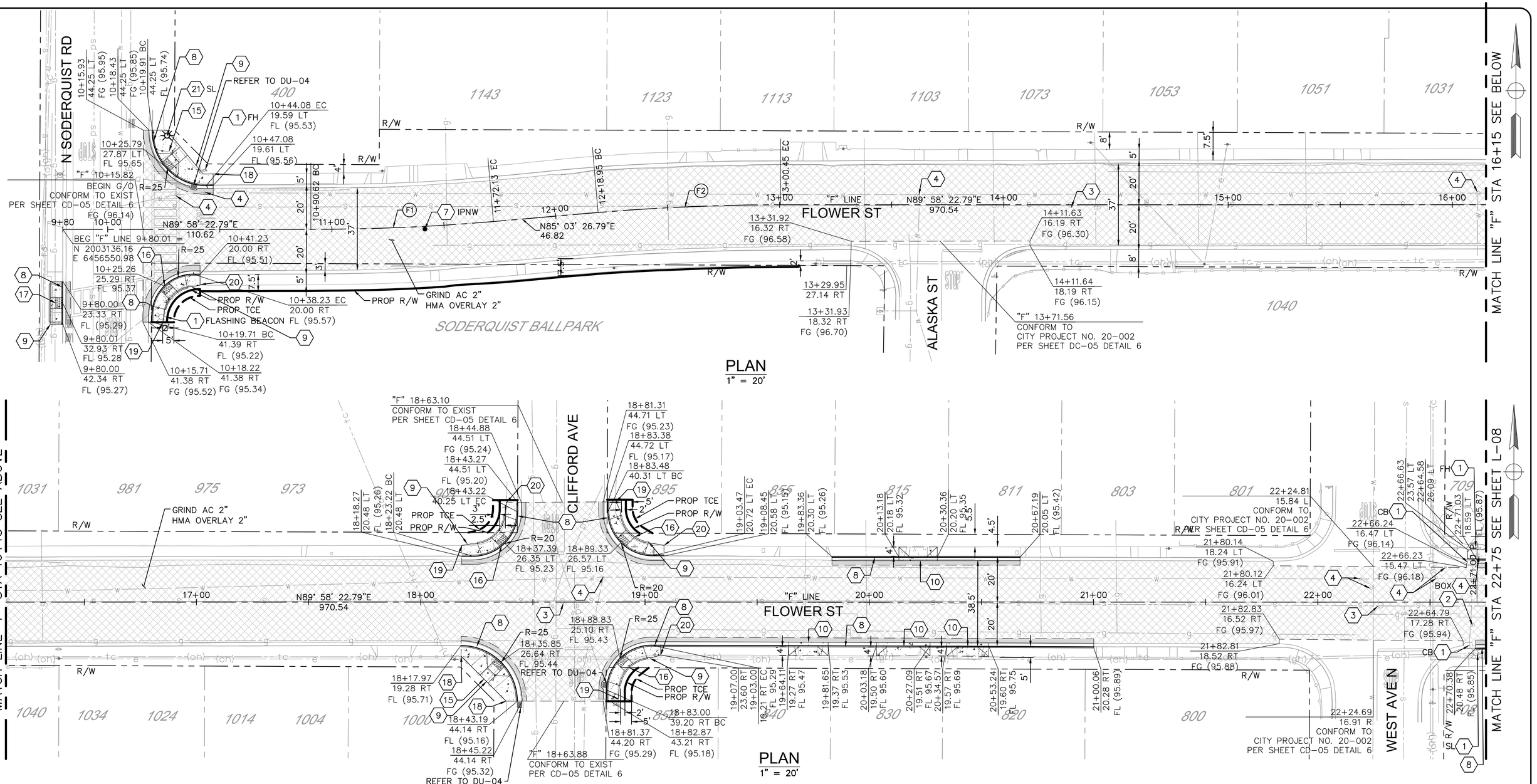
DRAWN BY:	J. DRAGO
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-06

SHEET: 17 OF 169

22-001-P1-05-L-06.dwg

10/28/2022 8:14:41 PM



CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
F1	950.00	004°54'56.00"	40.78	81.50
F2	950.00	004°54'56.00"	40.78	81.50

USA NORTH 811 Call 811 Before You Dig

NOTE: ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908
CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

PLAN
FLOWER STREET
STA 10+00 TO STA 22+75
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/2" 1/4" 3/4" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

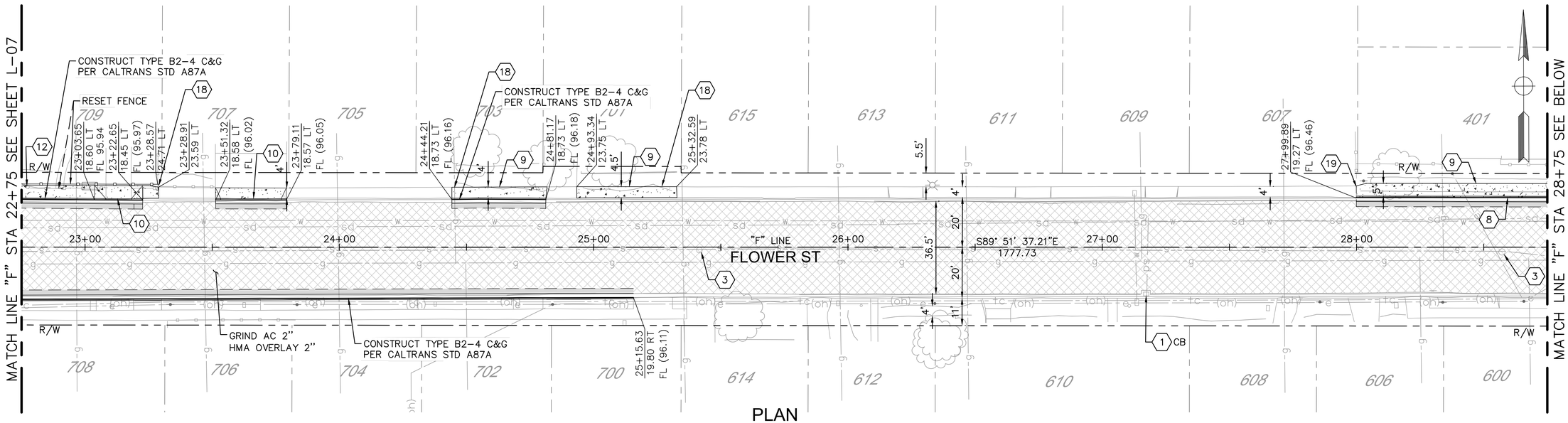
DRAWN BY:	H. GHAFOURIAN
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

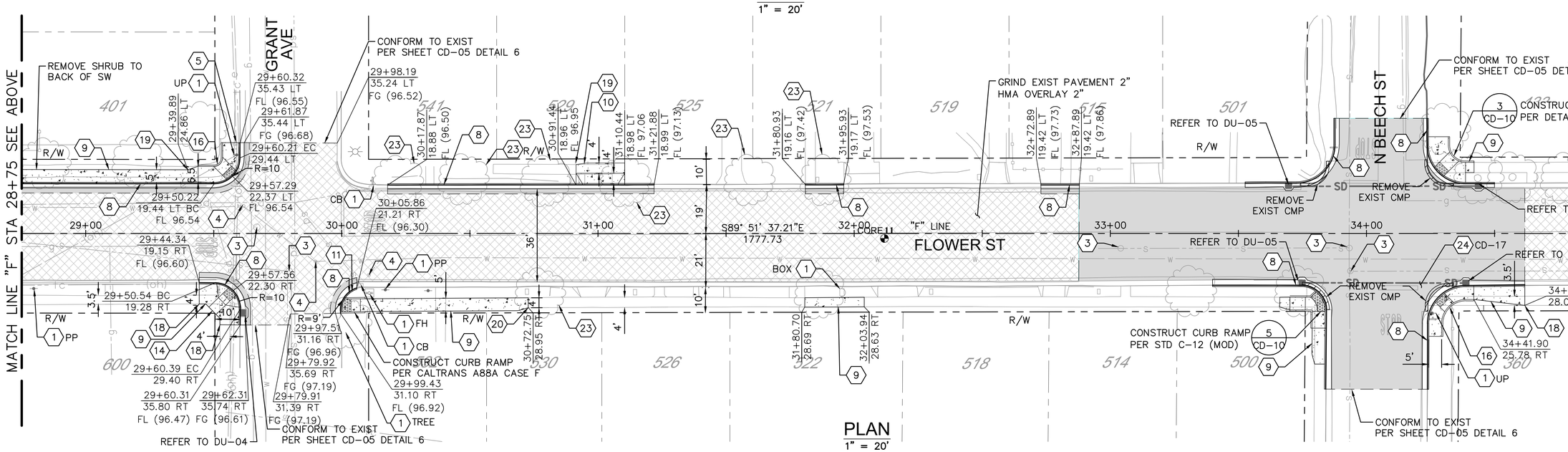
DRAWING No. L-07

SHEET: 18 OF 169

22-001-P1-05-L-07.dwg

10/28/2022 8:17:16 PM





CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CONSTRUCTION NOTES CONT:

24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE.. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
C-11	7" LIFT 1 = 3" LIFT 2 = 4"	0"

USA NORTH 811 Call 811 Before You Dig

NOTE: ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SULAIMAN ARAIN — No. C78364 — Exp. 9/30/2023 — CIVIL — STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

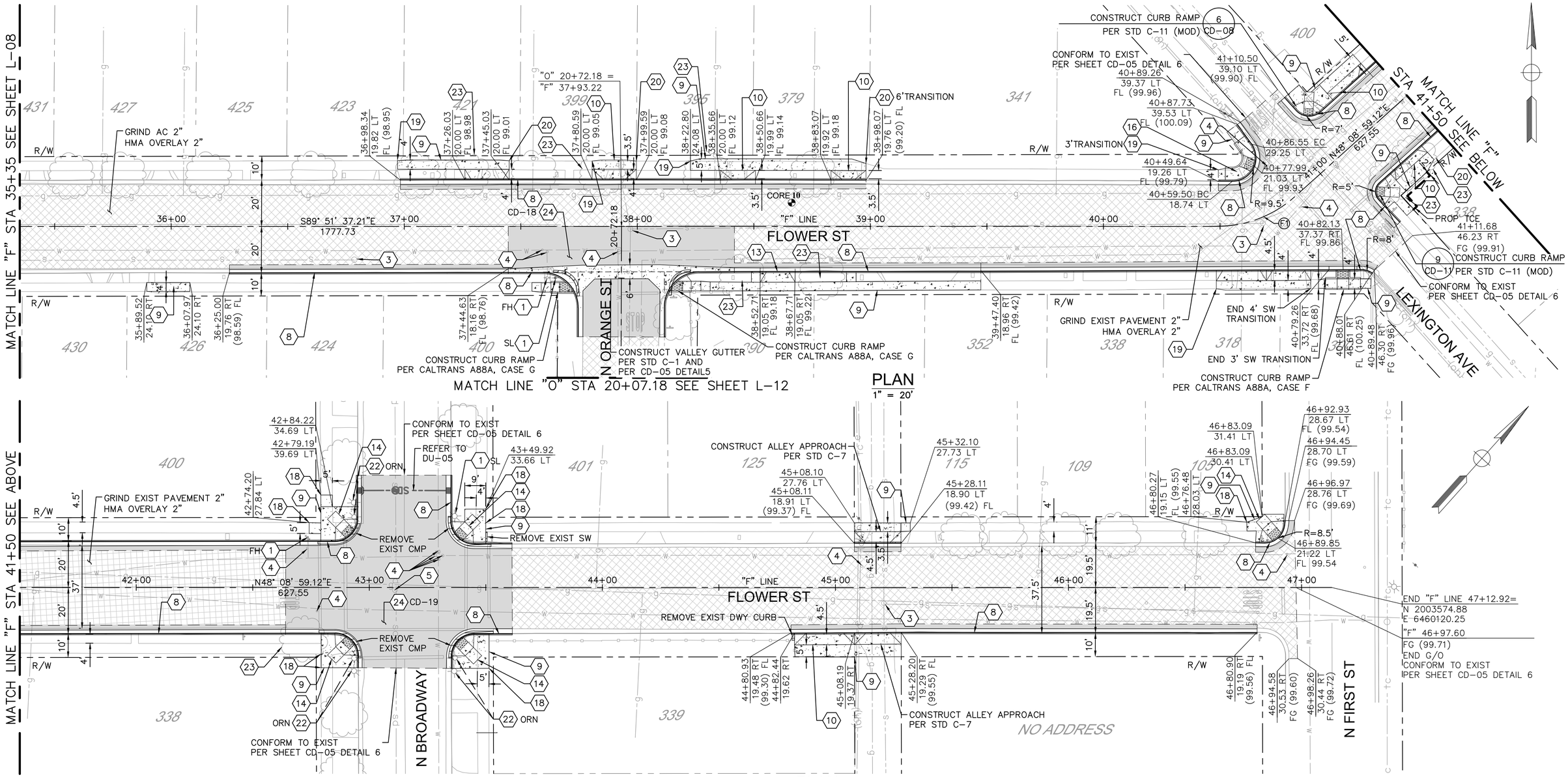
CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

PLAN
FLOWER STREET
STA 22+75 TO STA 35+35
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY: H. GHAFOURIAN	DRAWING No. L-08
REV. BY:	
CH. BY: S. ARAIN	SHEET: 19 OF 169
DATE: 10/28/2022	
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

22-001-P1-05-L-08.dwg
10/28/2022 9:38:57 PM



CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CONSTRUCTION NOTES CONT:

24. REMOVE FULL DEPTH EXIST AC/AB. EXCAVATE/EMBANK TO ACHIEVE FINAL FINISHED SURFACE. COMPACT SUBGRADE. PLACE 6" AC OVER 6"AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
C-10	9½" LIFT 1 = 2" LIFT 2 = 5" LIFT 3 = 4½"	0"

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
F1	50.00	041°59'23.66"	19.19	36.64

USA NORTH 811 Call 811 Before You Dig

NOTE: ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

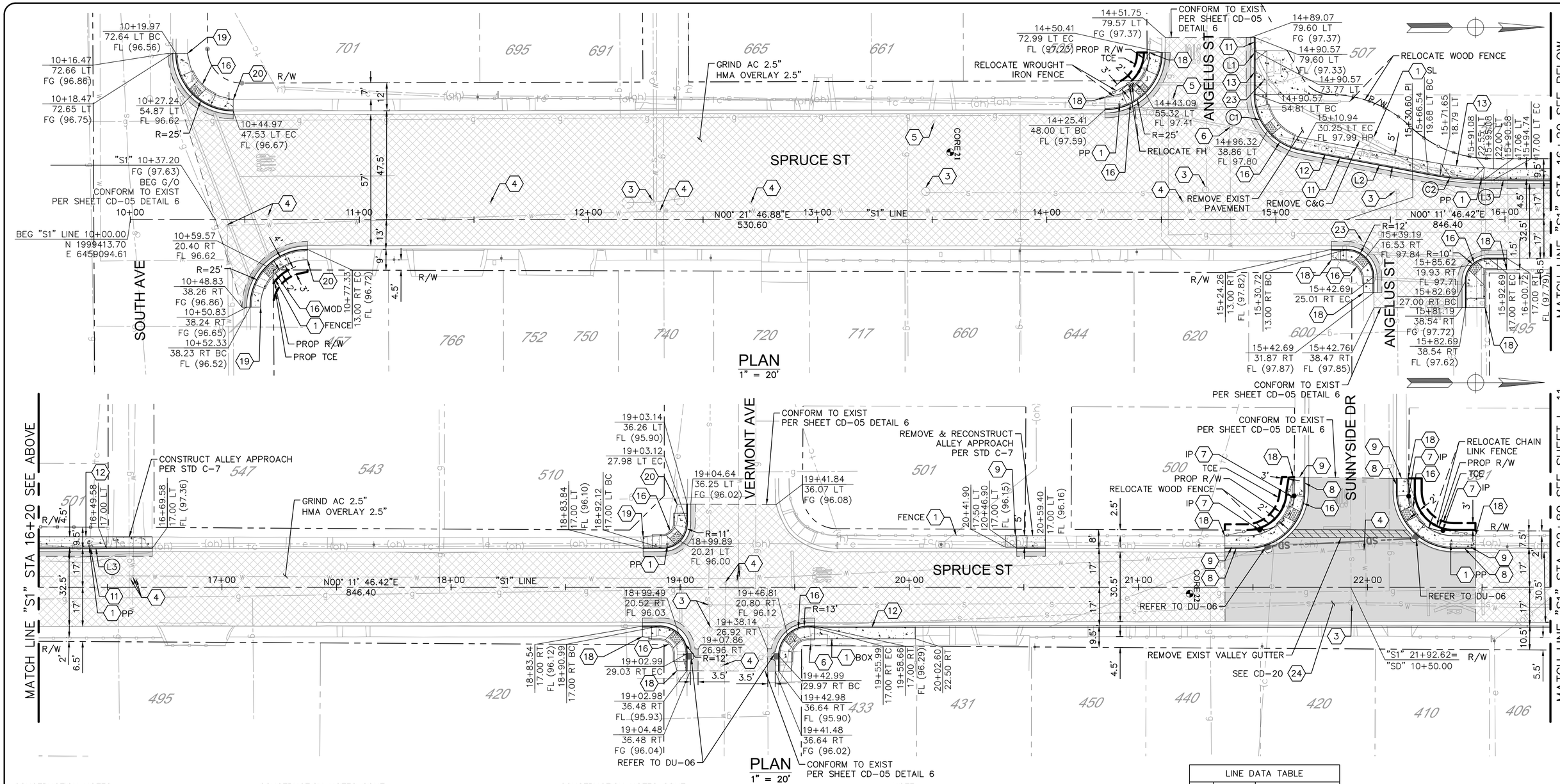
CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

PLAN
FLOWER STREET
STA 35+35 TO STA 47+12.92
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1/2" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY: H. GHAFOURIAN	DRAWING No. L-09
REV. BY:	
CH. BY: S. ARAIN	
DATE: 10/28/2022	SHEET: 20 OF 169
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

22-001-P1-05-L-09.dwg
10/28/2022 10:21:21 PM



CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE
24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

LINE DATA TABLE		
NO.	LENGTH	DIRECTION
L1	24.79	S89° 38' 13.12"E
L2	56.52	N11° 02' 02.00"E
L3	74.84	N00° 11' 46.42"E

CURVE DATA TABLE				
NO.	LENGTH	RADIUS	TANGENT	DELTA
C1	34.61	25.00	20.73	079°19'44.87"
C2	28.37	150.00	14.23	010°50'15.59"

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
21	6" LIFT 1 = 2" LIFT 2 = 4"	0"
22	4½" LIFT 1 = 1" LIFT 2 = 3½"	0"

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

PLAN
SPRUCE STREET
"S1" STA 10+00 TO STA 22+80
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

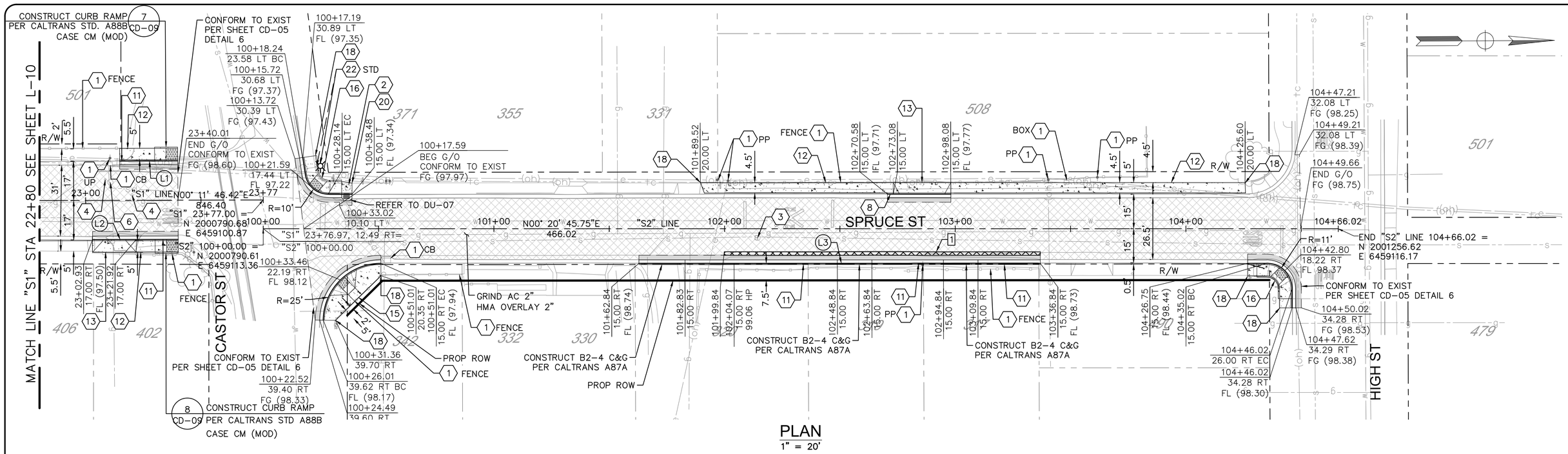
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1/2" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-10

SHEET: 21 OF 169

22-001-P1-05-L10.dwg
10/27/2022 6:21:13 PM



PLAN
1" = 20'

LINE DATA TABLE		
NO.	LENGTH	DIRECTION
L1	25.17	N00° 11' 46.42"E
L2	37.15	N00° 11' 46.42"E
L3	174.00	N00° 20' 45.75"E

ROAD WIDENING TABLE				
LOCATION	LENGTH	WIDTH	AREA	PAVEMENT SECTION
#	(FT)	(FT)	(SF)	REMOVE NATIVE SOIL. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB.
1	137	1	137	

CONSTRUCTION NOTES:
1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:
9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:
17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE
24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

NOTE:
1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

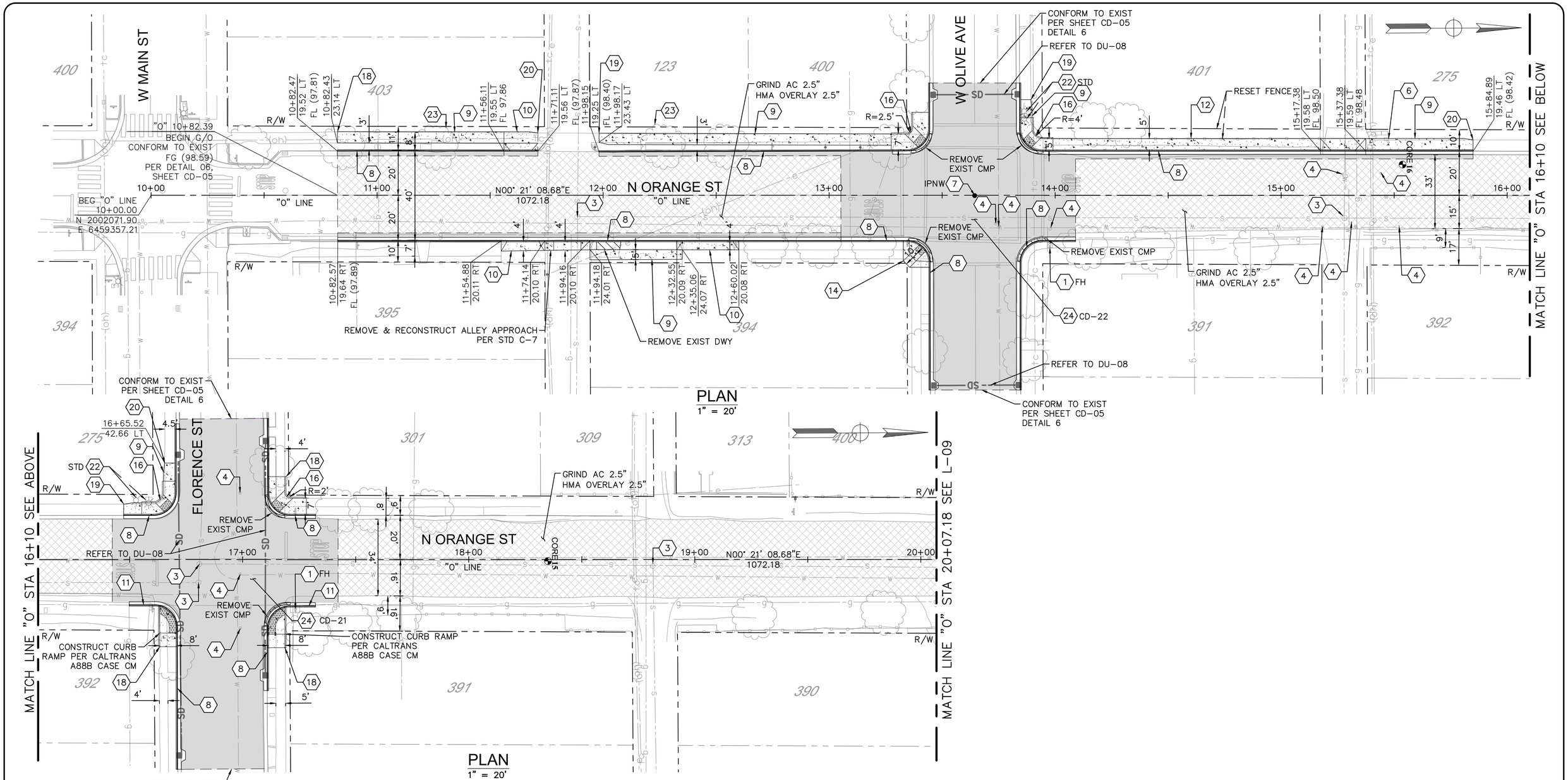
PLAN SPRUCE STREET
"S1" STA 22+80 TO STA 23+77
"S2" STA 100+00 TO STA 104+66.02
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-11
SHEET: 22 OF 169

22-001-P1-05-L-11.dwg
10/27/2022 6:22:44 PM



PLAN
1" = 20'

PLAN
1" = 20'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CONSTRUCTION NOTES CONT:

24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
15	5½" LIFT 1 = 3½" LIFT 2 = 2"	0"
16	6½" LIFT 1 = 2" LIFT 2 = 4½"	0"

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

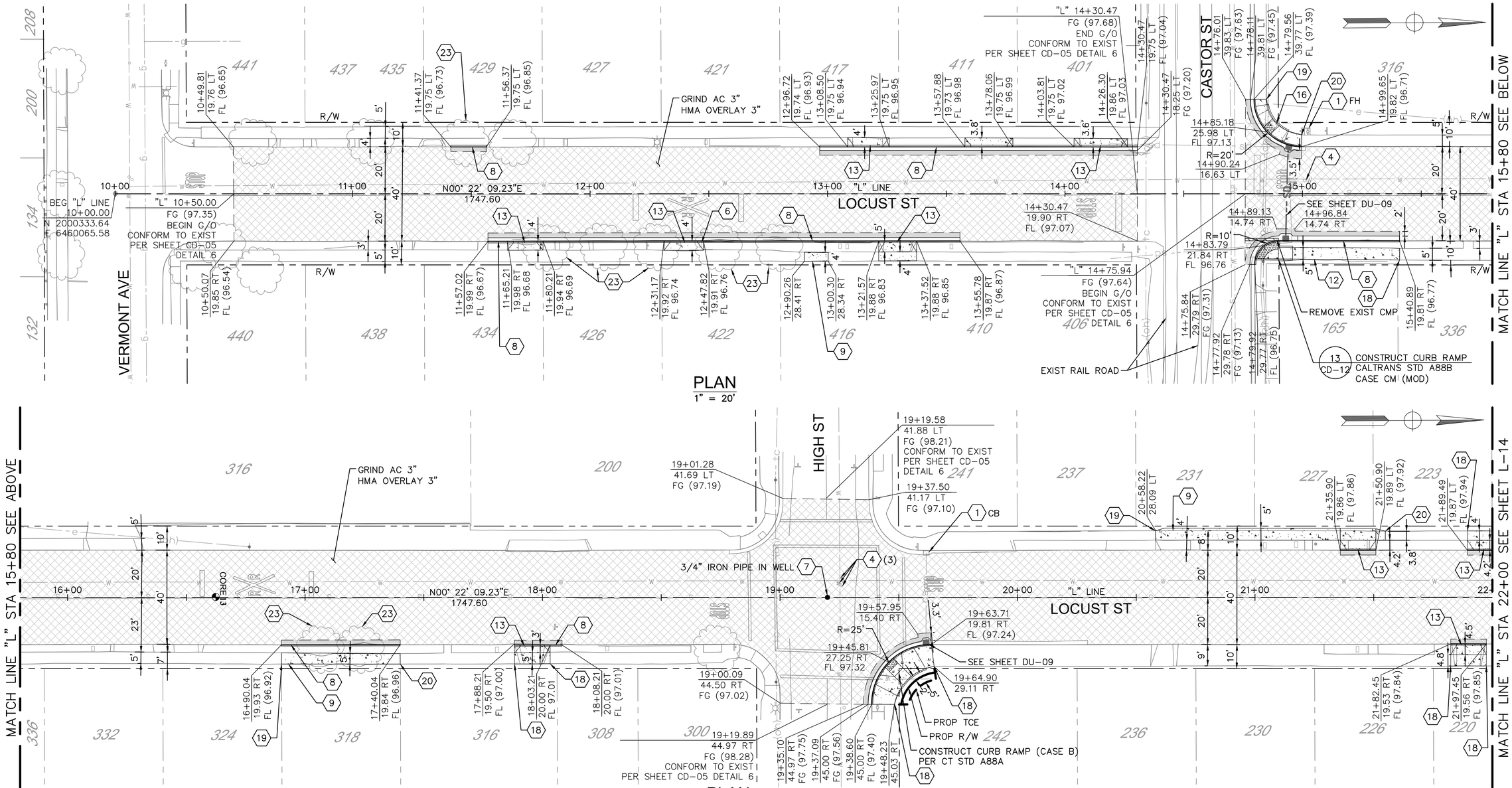
PLAN
N ORANGE STREET
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H. GHAFOURIAN
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-12
SHEET: 23 OF 169

22-001-P1-05-L-12.dwg
10/28/2022 10:28:05 PM



CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CONSTRUCTION NOTES CONT:

24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
13	7½" LIFT 1 = 1½" LIFT 2 = 2" LIFT 3 = 1½" LIFT 4 = 2½"	0"

USA NORTH 811 Call 811 Before You Dig

NOTE: ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

PLAN
LOCUST STREET
STA 10+00 TO STA 22+00
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

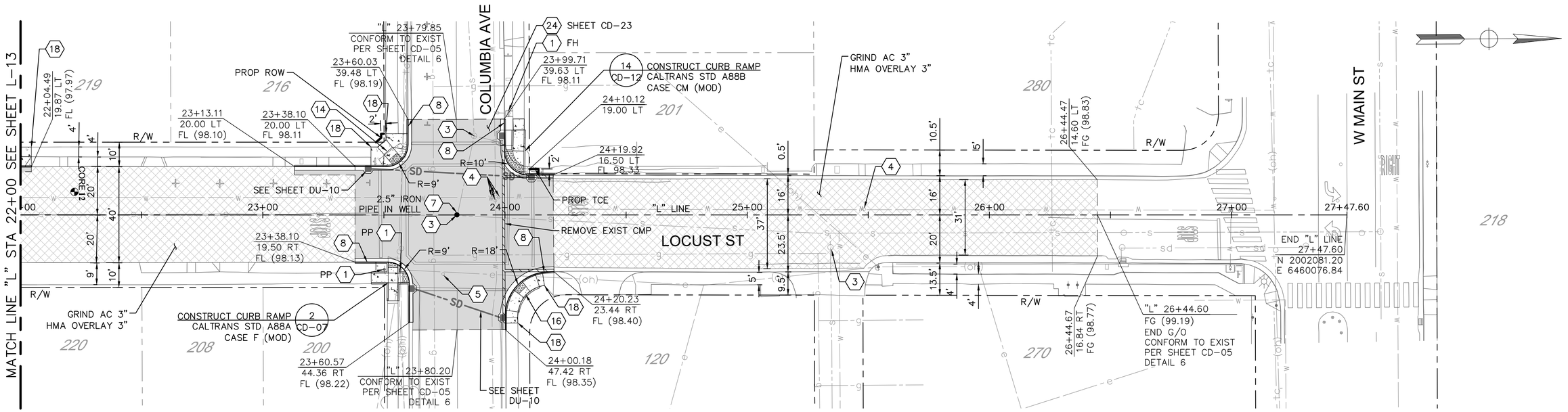
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	A. FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-13

SHEET: 24 OF 169

22-001-P1-05-L-13.dwg
10/27/2022 6:24:16 PM



PLAN
1" = 20'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CONSTRUCTION NOTES CONT:

24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
12	7" LIFT 1 = 1¼" LIFT 2 = 2½" LIFT 3 = 3¼"	0"

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

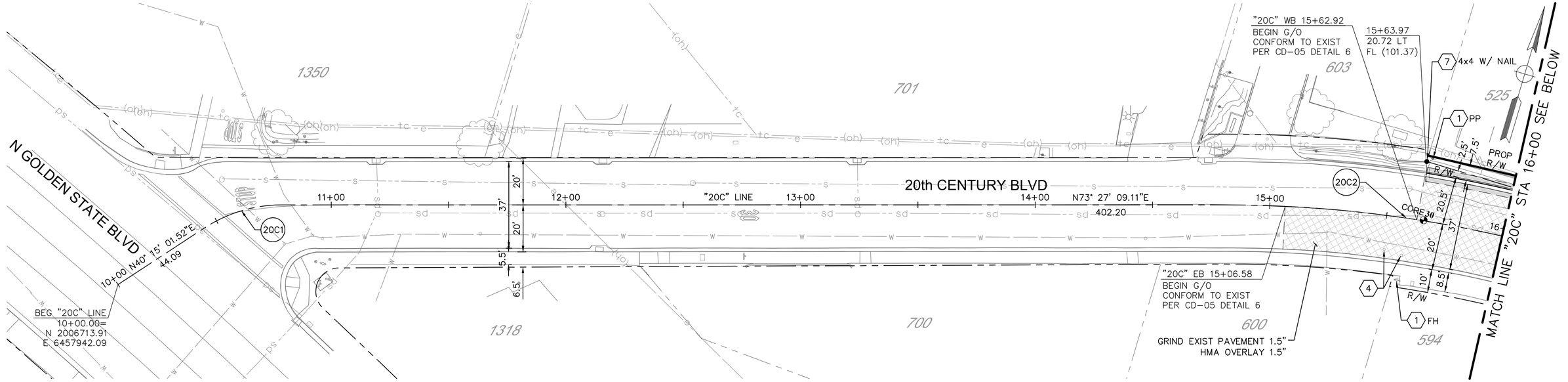
PLAN
LOCUST STREET
STA 22+00 TO STA 27+47.60
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

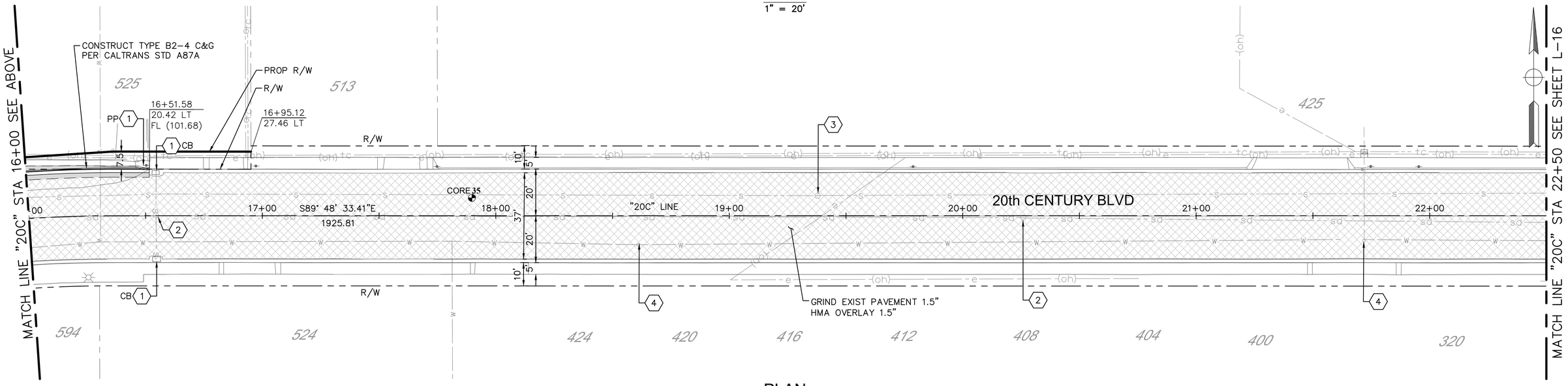
DRAWN BY:	A. FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-14
SHEET: 25 OF 169

22-001-P1-05-L-14.dwg
10/27/2022 6:25:11 PM



PLAN
1" = 20'



PLAN
1" = 20'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
20C1	60.00'	33°12'07.59"	34.28'	34.77'
20C2	530.00'	16°44'17.47"	154.28'	154.83'

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
30	4½" LIFT 1 = 2" LIFT 2 = 2½"	4" (BITUMINOUS MIX/OILED ROCK)
35	5" LIFT 1 = 2" LIFT 2 = 1½" LIFT 3 = 1½"	0"

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

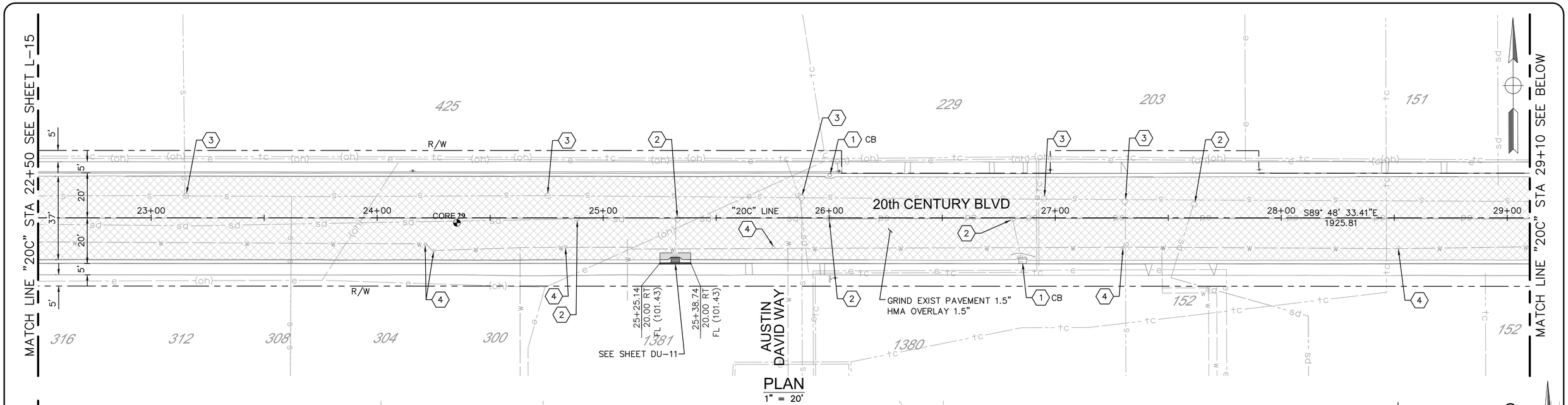
PLAN
20TH CENTURY BOULEVARD
STA 10+00 TO STA 22+50
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	A.FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-15
SHEET: 26 OF 169

22-001-P1-05-L-15.dwg
10/27/2022 6:27:10 PM



CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
C-28	5½"	0"
C-29	3½" LIFT 1 = 1" LIFT 2 = 2½"	3" (BITUMINOUS MIX/OILED ROCK)

USA NORTH 811 Call 811 Before You Dig

NOTE: ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

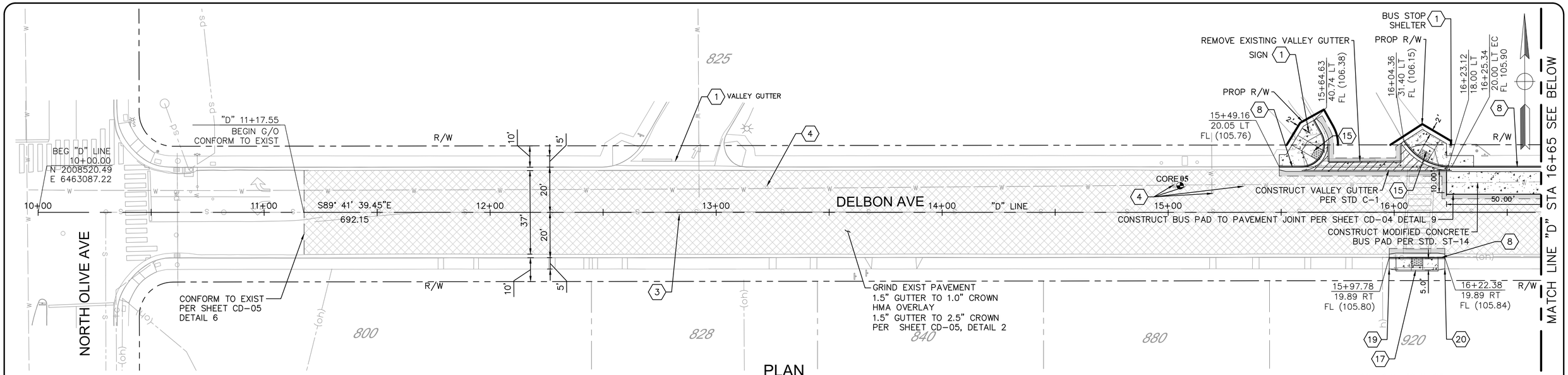
PLAN
20TH CENTURY BOULEVARD
STA 22+50 TO STA 35+61.70
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1/2" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	R. GHARAIBEH
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

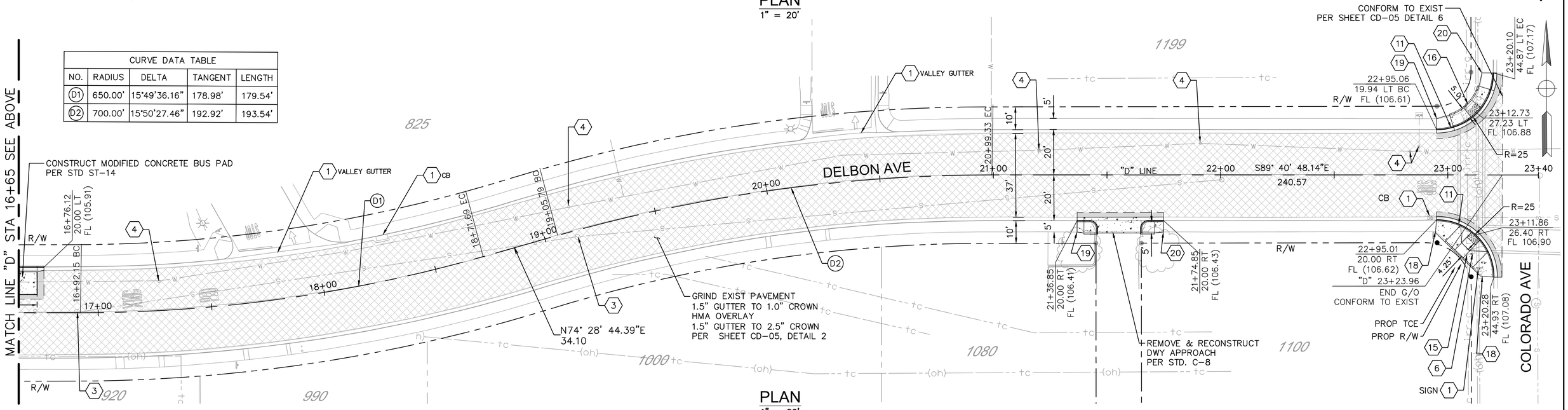
DRAWING No. L-16
SHEET: 27 OF 169

22-001-P1-05-L-16.dwg
10/27/2022 6:28:38 PM



PLAN
1" = 20'

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
D1	650.00'	15°49'36.16"	178.98'	179.54'
D2	700.00'	15°50'27.46"	192.92'	193.54'



PLAN
1" = 20'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
5	2½"	4"

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

PLAN
DELBON AVENUE
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

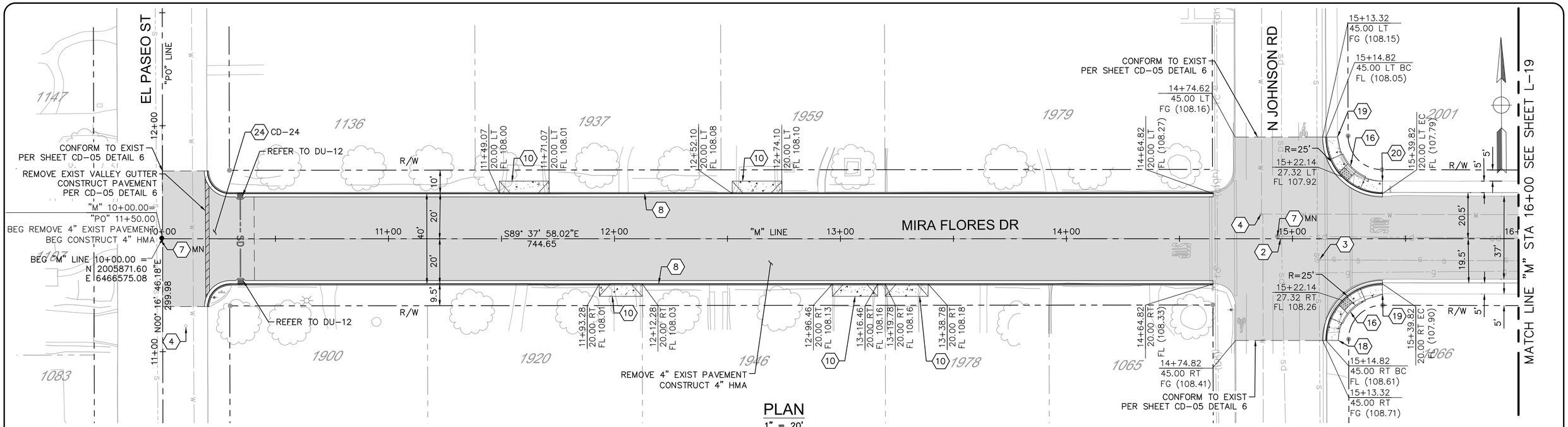
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1/2" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	A. FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-17

SHEET: 28 OF 169

22-001-P1-05-L-17.dwg
10/27/2022 6:30:05 PM



CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE
24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

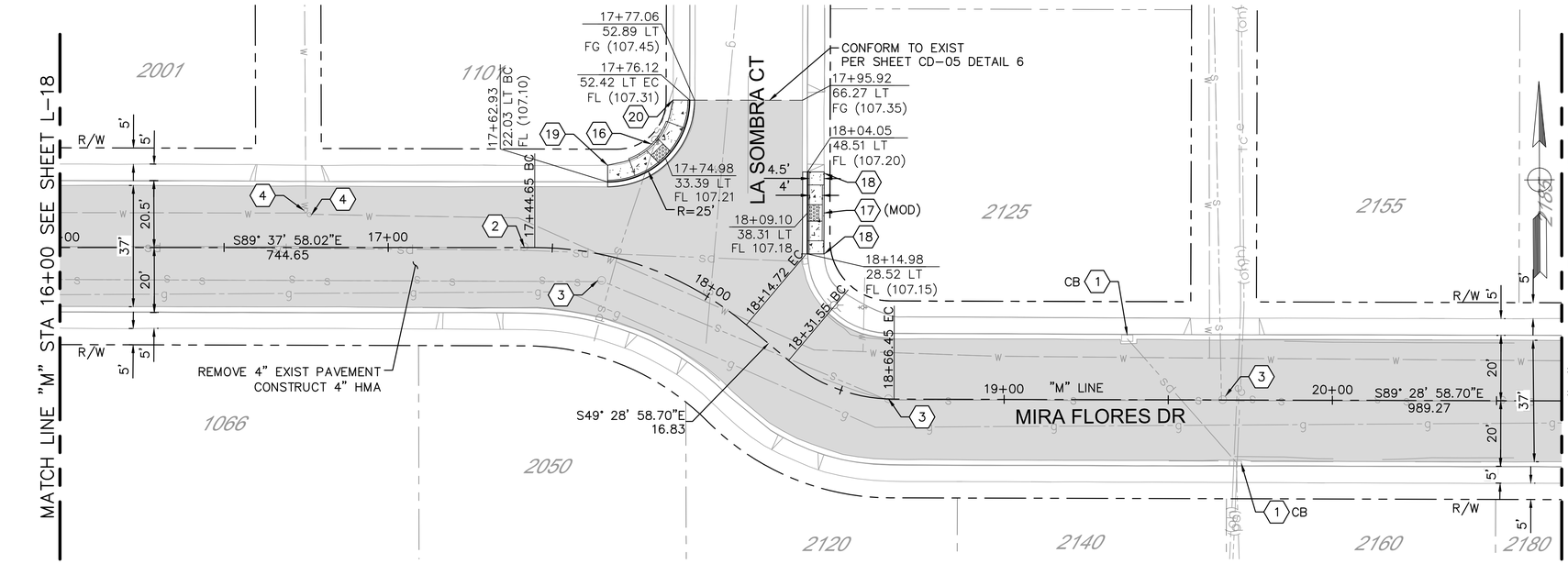
PLAN AND PROFILE
MIRA FLORES DRIVE
STA 10+00 TO STA 16+00
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/2" 1" 1/4" 3/4"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

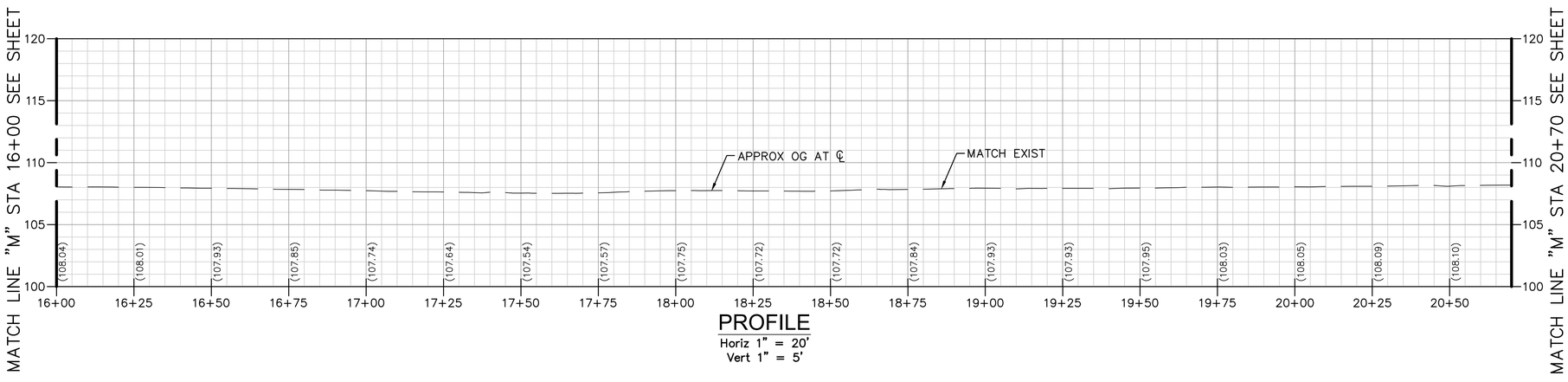
DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-18
SHEET: 29 OF 169

22-001-P1-05-L-18.dwg
10/27/2022 6:31:29 PM



PLAN
1" = 20'



PROFILE
Horiz 1" = 20'
Vert 1" = 5'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE
24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
M1	100.00	040°08'59.32"	36.55	70.07
M2	50.00	040°00'00.00"	18.20	34.91

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

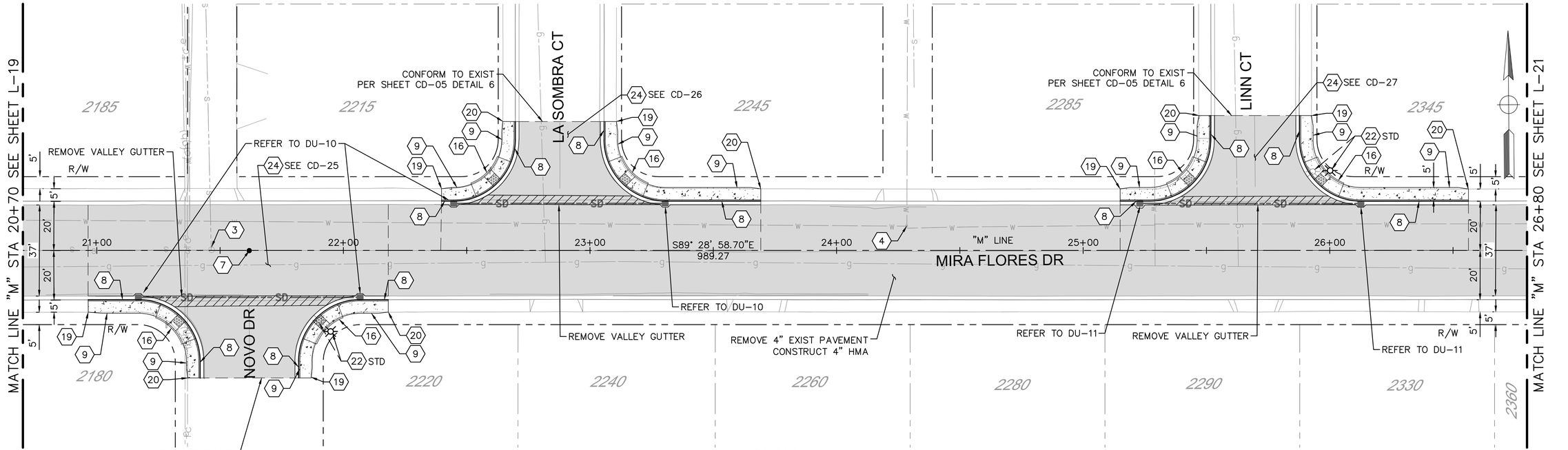
PLAN AND PROFILE
MIRA FLORES DRIVE
STA 16+00 TO STA 20+70
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

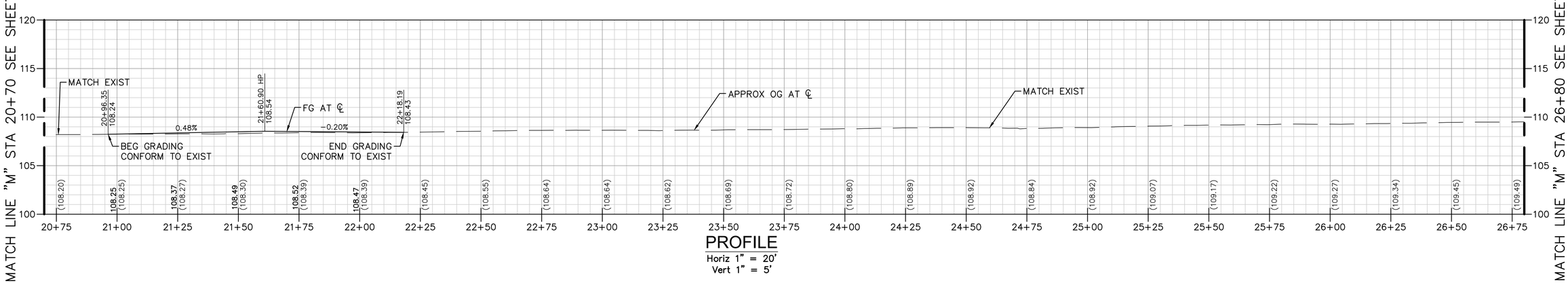
DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-19
SHEET: 30 OF 169

22-001-P1-05-L-19.dwg
10/27/2022 6:33:19 PM



PLAN
1" = 20'



PROFILE
Horiz 1" = 20'
Vert 1" = 5'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE
24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

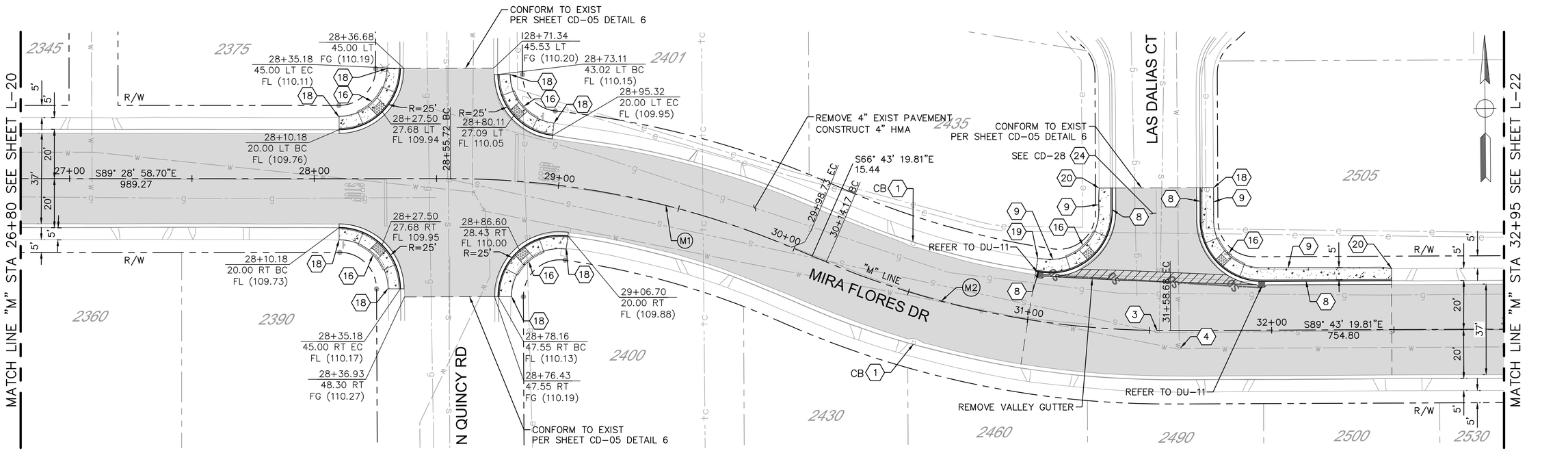
PLAN AND PROFILE
MIRA FLORES DRIVE
STA 20+70 TO STA 26+80
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

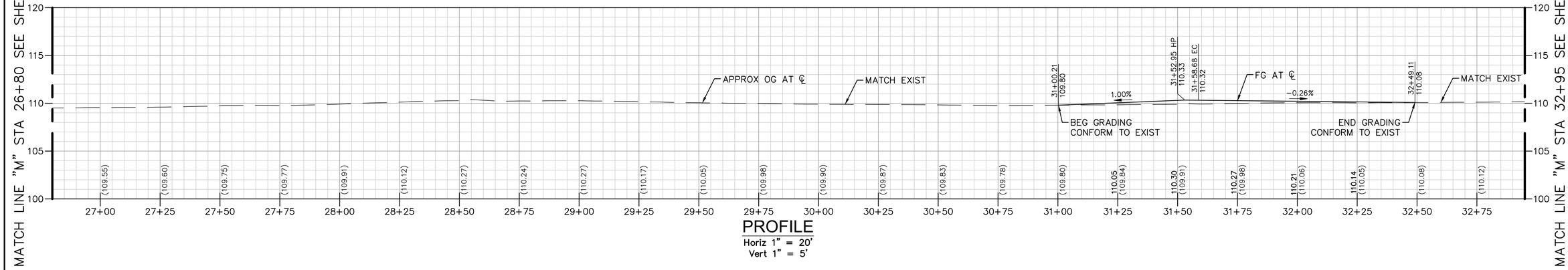
DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-20
SHEET: 31 OF 169

22-001-P1-05-L-20.dwg
10/27/2022 6:34:21 PM



PLAN
1" = 20'



PROFILE
Horiz 1" = 20'
Vert 1" = 5'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE
24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
M1	360.00'	22°45'38.88"	143.01'	72.46'
M2	360.00'	23°00'00.00"	144.51'	73.24'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

Sulaiman Arain
SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

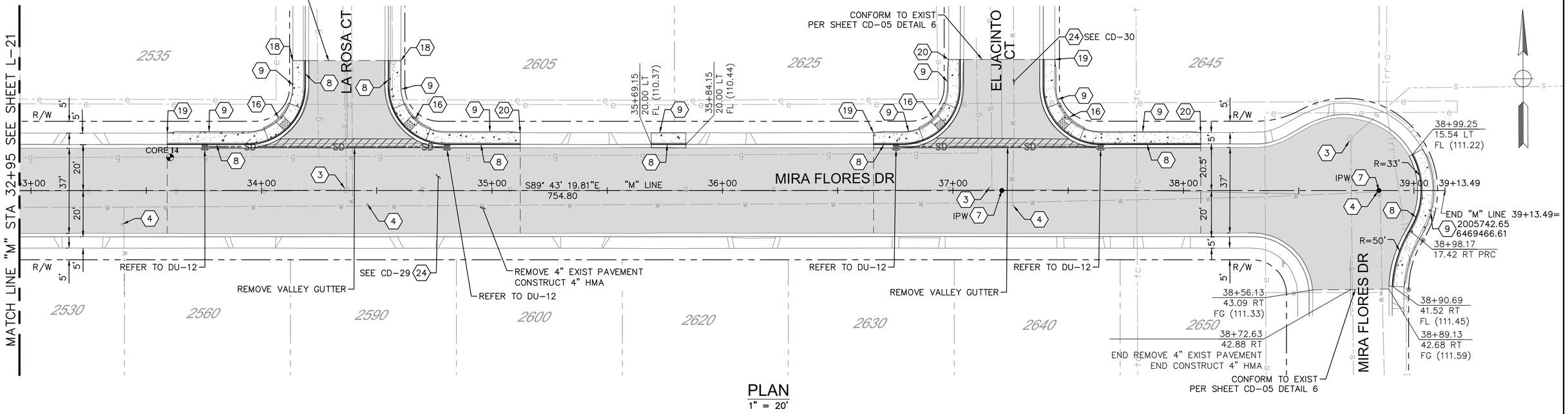
PLAN AND PROFILE
MIRA FLORES DRIVE
STA 26+80 TO STA 32+95
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

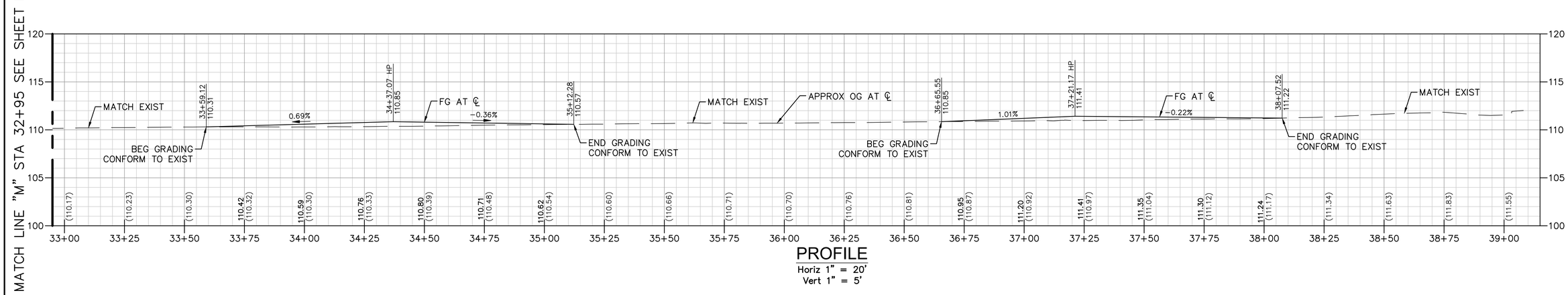
DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-21
SHEET: 32 OF 169

22-001-P1-05-L-21.dwg
10/27/2022 6:36:02 PM



PLAN
1" = 20'



PROFILE
Horiz 1" = 20'
Vert 1" = 5'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE
24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
C-14	2½"	4"

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

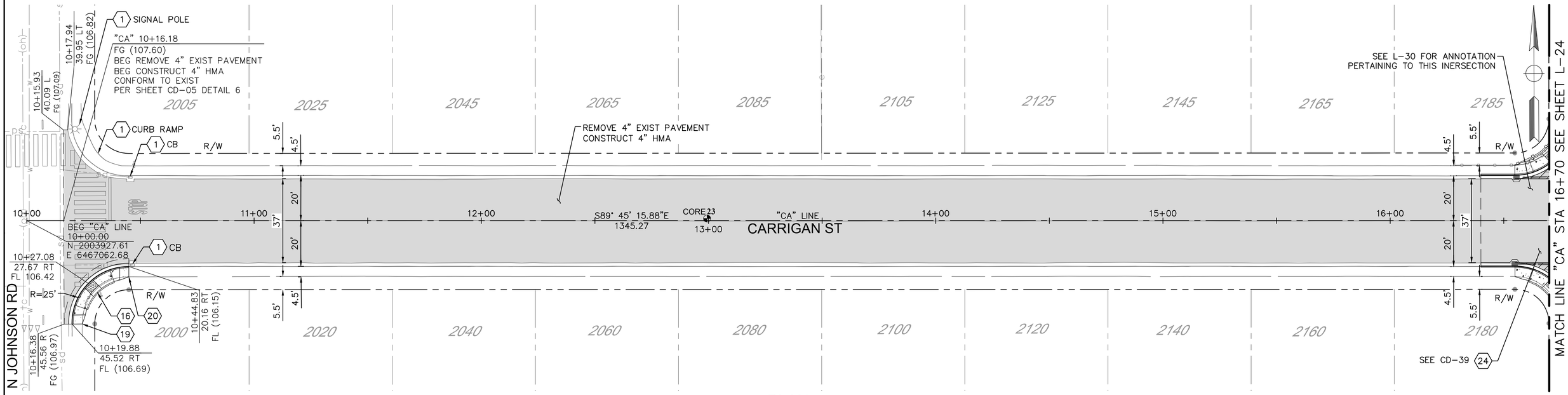
PLAN AND PROFILE
MIRA FLORES DRIVE
STA 32+95 TO STA 39+13.49
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

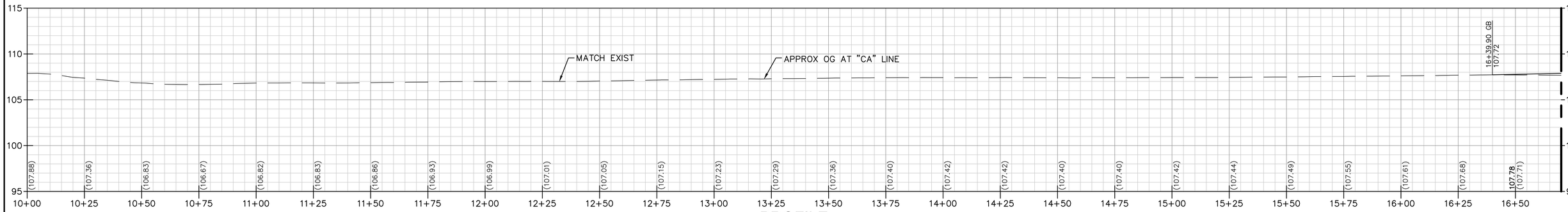
DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-22
SHEET: 33 OF 169

22-001-P1-05-L-22.dwg
10/27/2022 6:37:03 PM



PLAN
1" = 20'



PROFILE
Horiz 1" = 20'
Vert 1" = 5'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CONSTRUCTION NOTES CONT:

24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
23	3" LIFT 1 = 1" LIFT 2 = 2"	0"

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

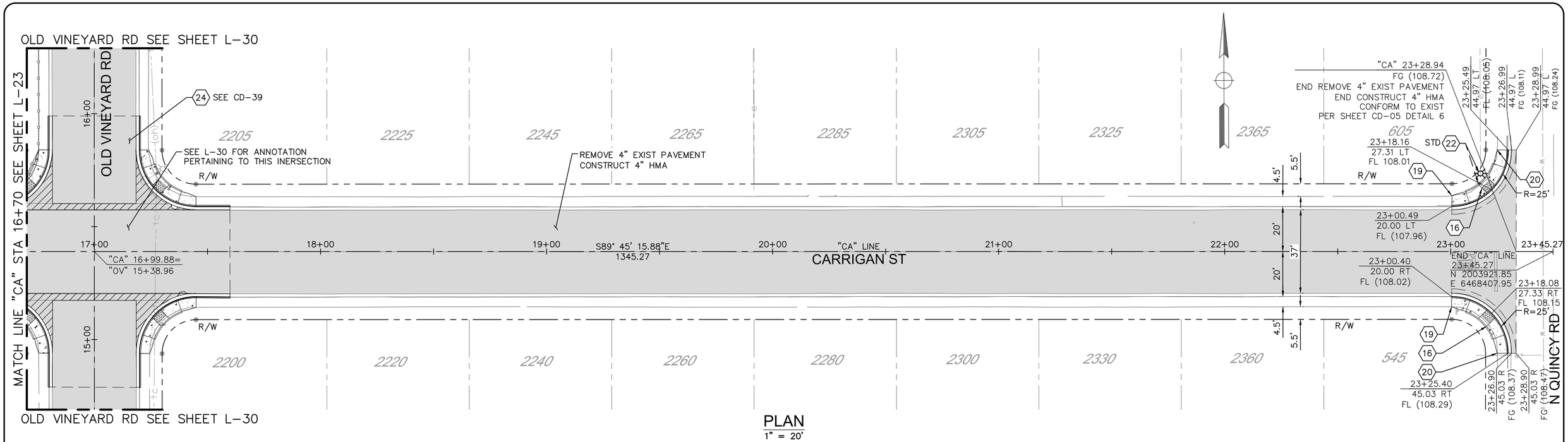
PLAN AND PROFILE
CARRIGAN STREET
STA 10+00 TO STA 16+70
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1/2" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

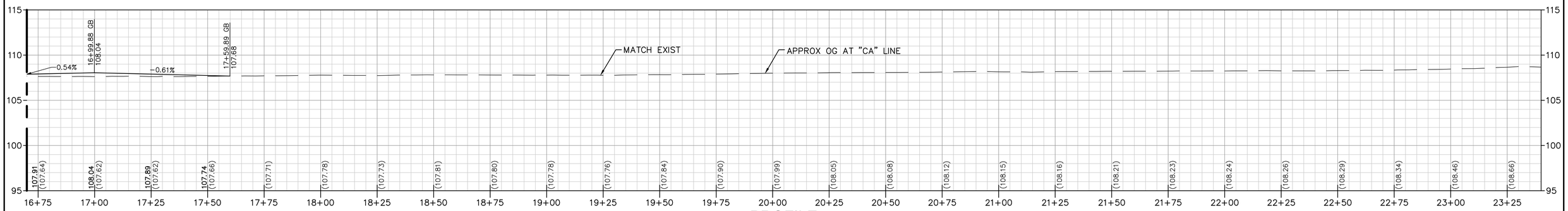
DRAWN BY:	A. FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-23
SHEET: 34 OF 169

22-001-P1-05-L-23.dwg
10/27/2022 6:38:25 PM



PLAN
1" = 20'



PROFILE
Horiz 1" = 20'
Vert 1" = 5'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CONSTRUCTION NOTES CONT:

24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

PLAN AND PROFILE
CARRIGAN STREET
STA 16+70 TO 23+40
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

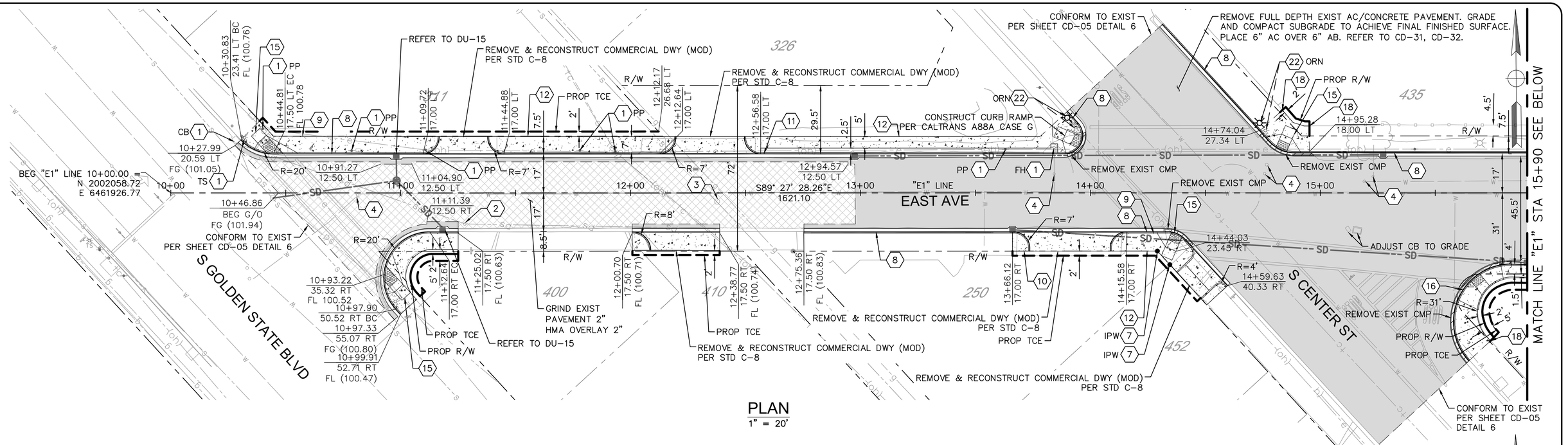
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	A. FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-24

SHEET: 35 OF 169

22-001-P1-05-L-24.dwg
10/27/2022 6:39:47 PM



CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE
24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

USA NORTH 811 Call 811 Before You Dig

NOTE: ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

PLAN
EAST AVENUE
STA 10+00 TO STA 22+50
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

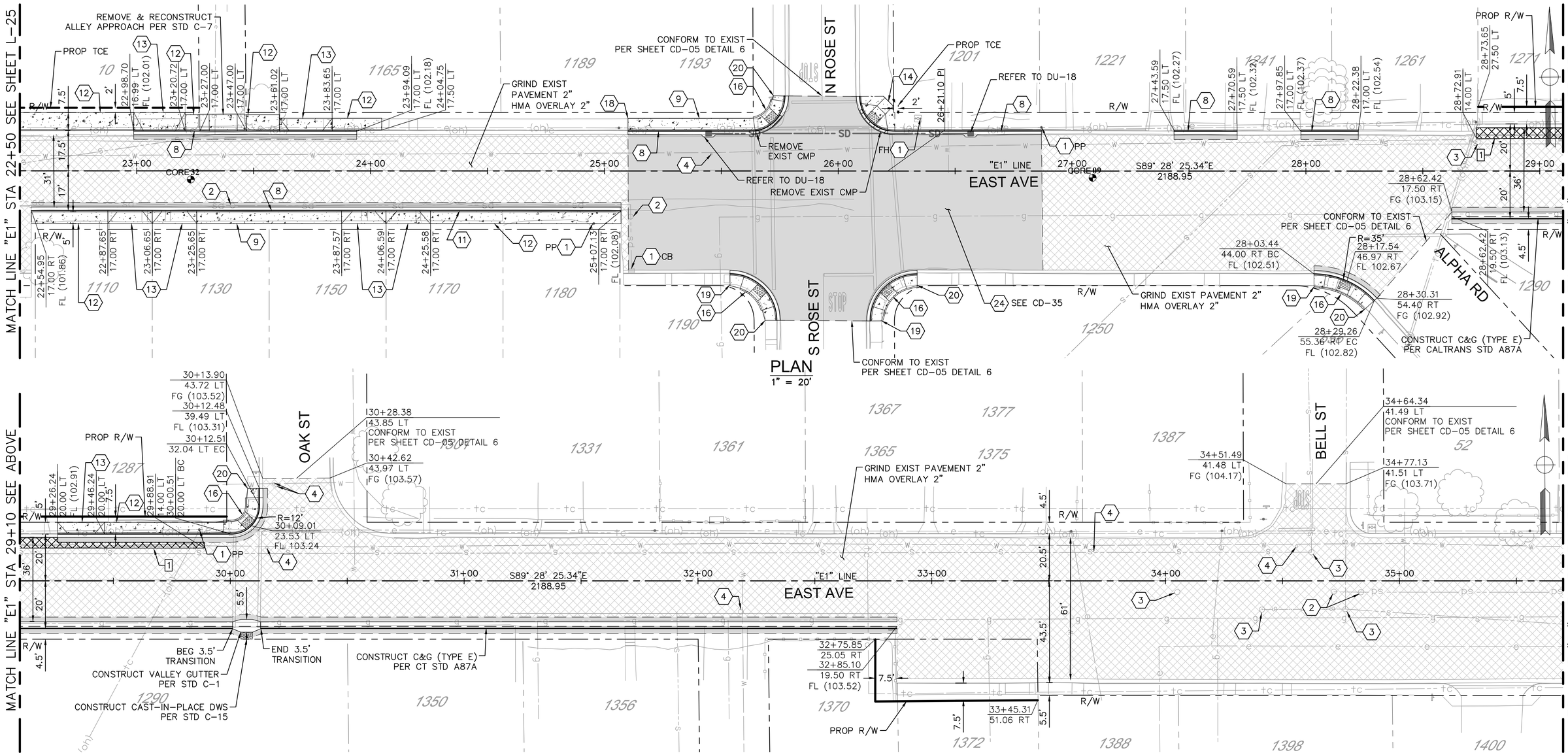
DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-25

SHEET: 36 OF 169

22-001-P1-05-L-25.dwg

10/27/2022 6:41:17 PM



CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE
24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

ROAD WIDENING TABLE				
LOCATION	LENGTH	WIDTH	AREA	PAVEMENT SECTION
#	(FT)	(FT)	(SF)	REMOVE EXIST NATIVE SOIL. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISH SURFACE. PLACE 6" AC OVER 6" AB.
1	116	4.5	522	

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
09	6¼" LIFT 1 = 1½" LIFT 2 = 1¼" (PCC 3½")	0"
32	3¼" HMA PCC 3¾"	4" POORLY GRADED SAND w/SILT 3" BITUMINOUS MIX/OILED ROCK TOTAL 7"

USA NORTH 811 Call 811 Before You Dig

NOTE: ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

PLAN
EAST AVENUE
STA 22+50 TO STA 35+70
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

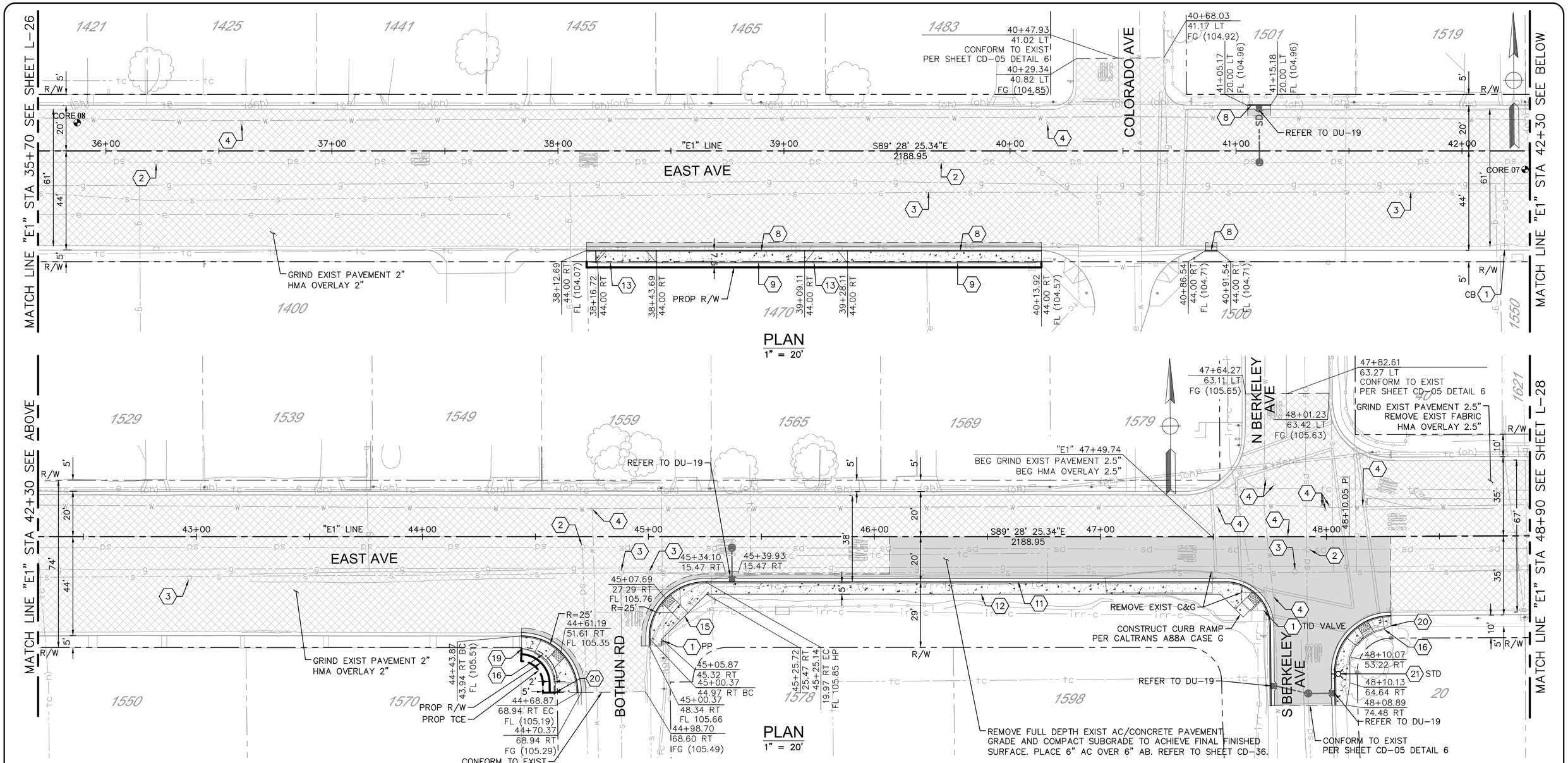
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1/2" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-26

SHEET: 37 OF 169

22-001-P1-05-L-26.dwg
10/27/2022 6:42:47 PM



CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE
24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
07	5" LIFT 1 = 1" LIFT 2 = 4"	0"
08	9½" LIFT 1 = 1¾" LIFT 2 = 3" LIFT 3 = 2" LIFT 4 = 2¾"	0"

USA NORTH 811 Call 811 Before You Dig

NOTE: ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

PLAN
EAST AVENUE
STA 35+70 TO STA 48+90
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

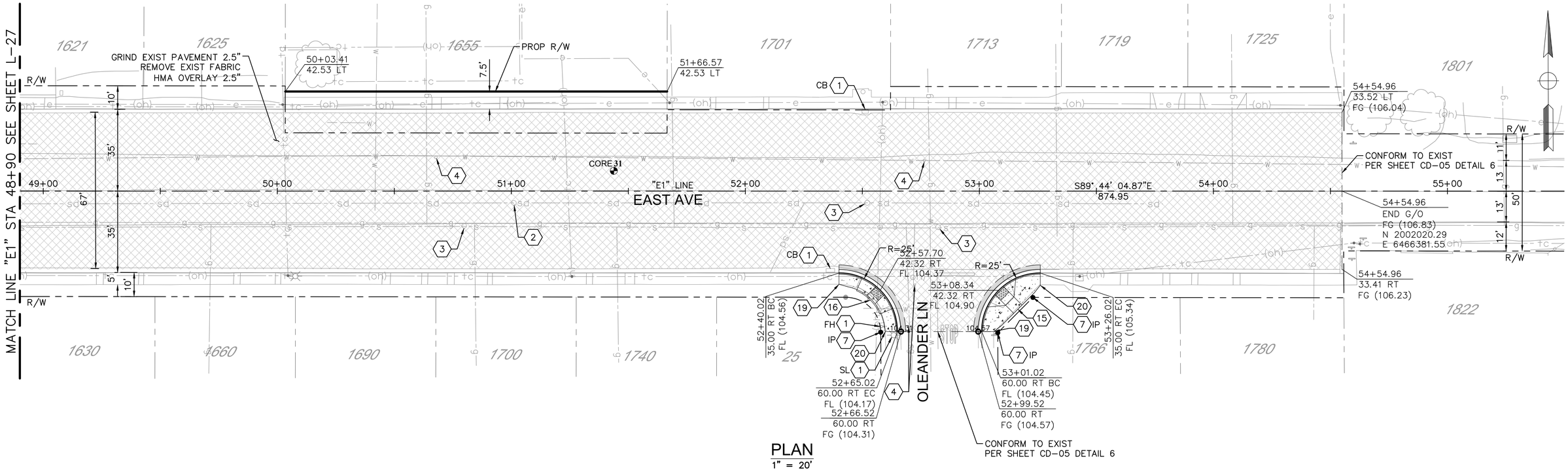
DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-27

SHEET: 38 OF 169

22-001-P1-05-L-27.dwg

10/27/2022 6:44:13 PM



PLAN
1" = 20'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE
24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
31	4¾" LIFT 1 = 2½" (FABRIC AT BOTTOM OF TOP LIFT) LIFT 2 = 2¼"	4¼" BITUMINOUS MIX/OILED ROCK 3" AB-POORLY GRADED SAND w/ GRAVEL 2¾" BITUMINOUS MIX/OILED ROCK TOTAL 10"

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

PLAN
EAST AVENUE
STA 48+90 TO STA 54+55
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

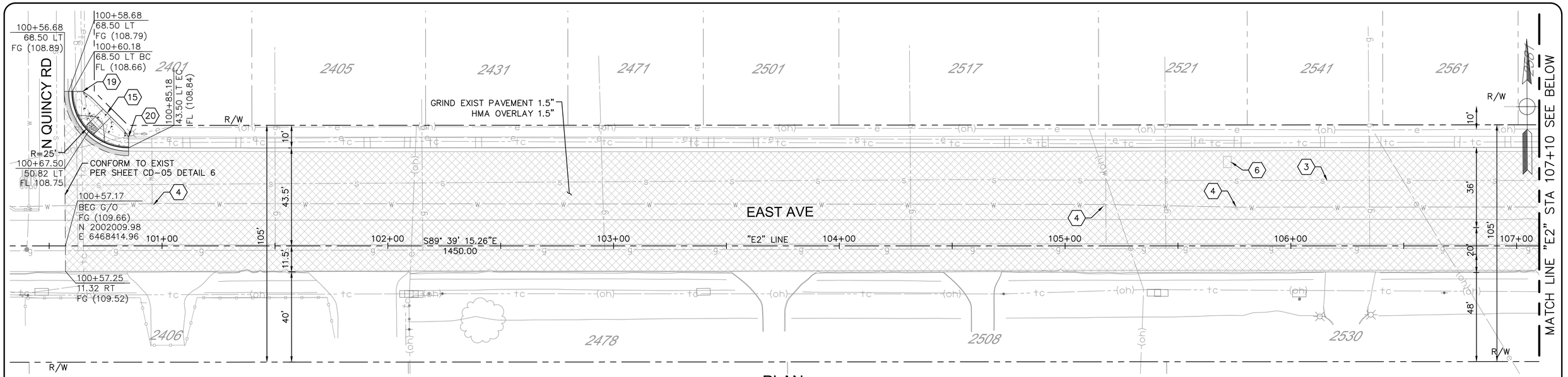
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 — 1/4" — 3/4" — 1" — 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-28

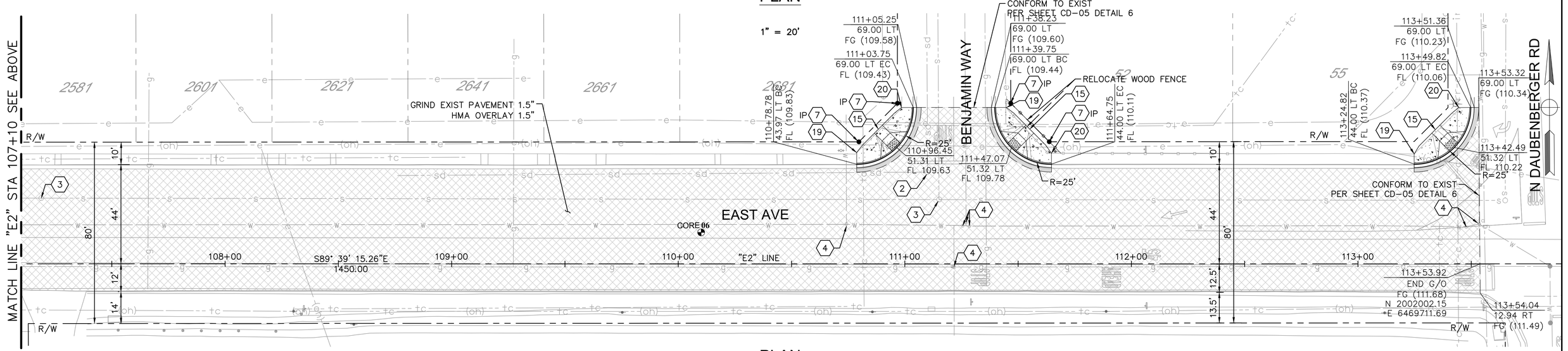
SHEET: 39 OF 169

22-001-P1-05-L-28.dwg
10/27/2022 6:45:06 PM



PLAN

1" = 20'



PLAN

1" = 20'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE
24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
06	5" LIFT 1 = 2¾" LIFT 2 = 2¼"	3" (½" TO 1" BITUMINOUS MIX/OILED ROCK)

USA NORTH 811 Call 811 Before You Dig

NOTE: ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

PLAN
EAST AVENUE
STA 100+30 TO STA 113+90
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

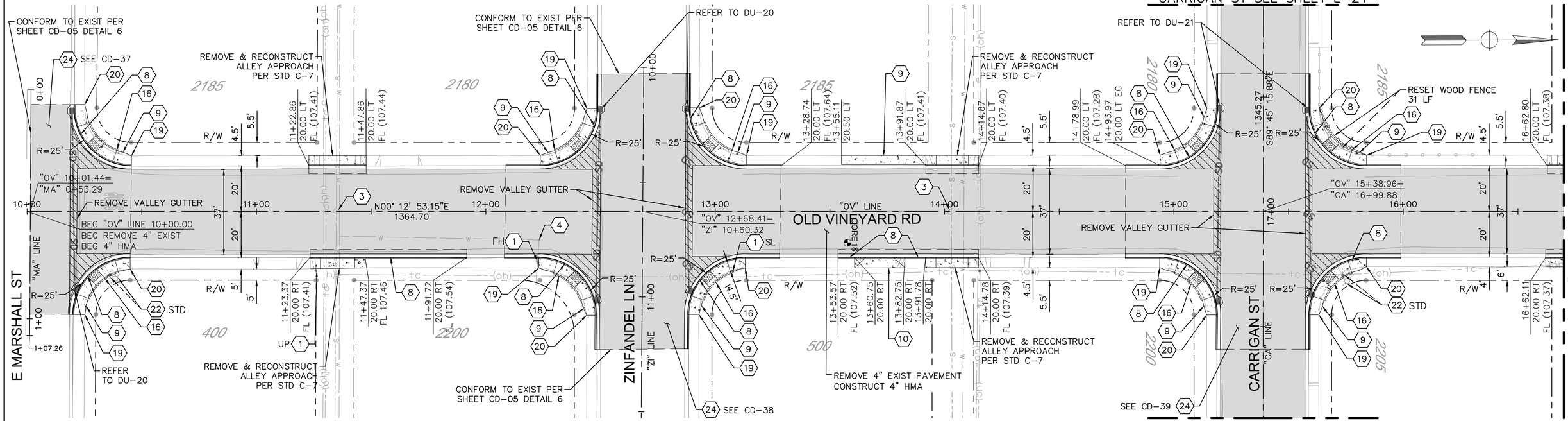
DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-29

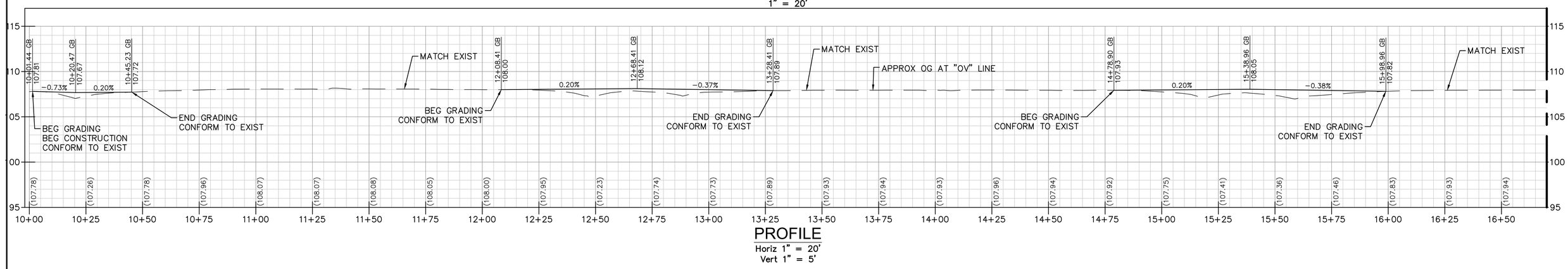
SHEET: 40 OF 169

22-001-P1-05-L-29.dwg

10/27/2022 6:46:34 PM



PLAN
1" = 20'



PROFILE
Horiz 1" = 20'
Vert 1" = 5'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CONSTRUCTION NOTES CONT:

24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

	CORE TABLE	
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
18	3" LIFT 1 = 1" LIFT 2 = 2"	0"

USA NORTH 811 Call 811 Before You Dig

NOTE: ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY, SUITE 150
(209) 668-5520

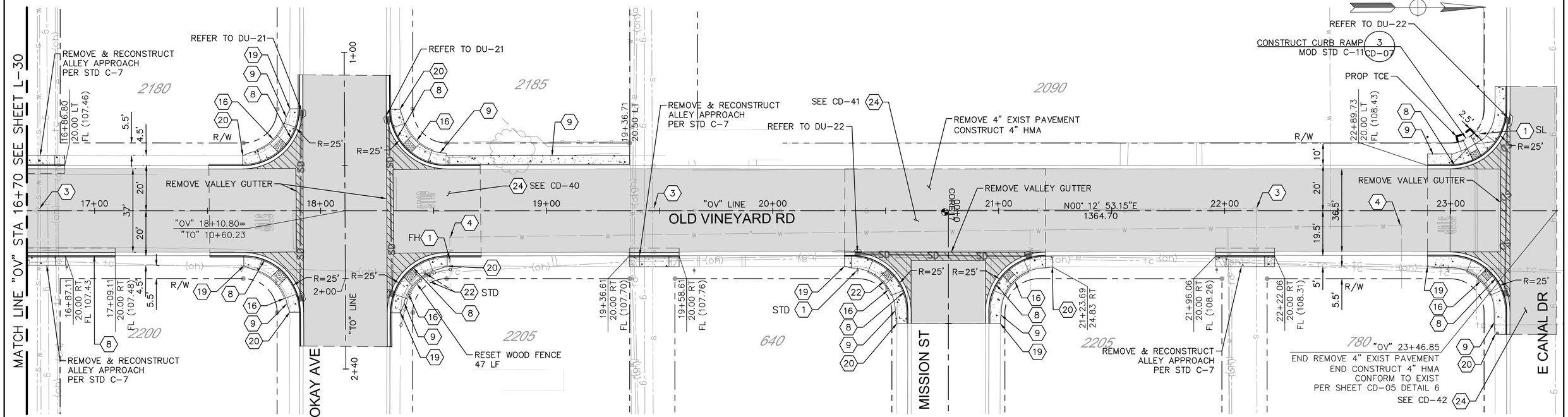
PLAN AND PROFILE
OLD VINEYARD ROAD
STA 10+00 TO STA 16+70
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

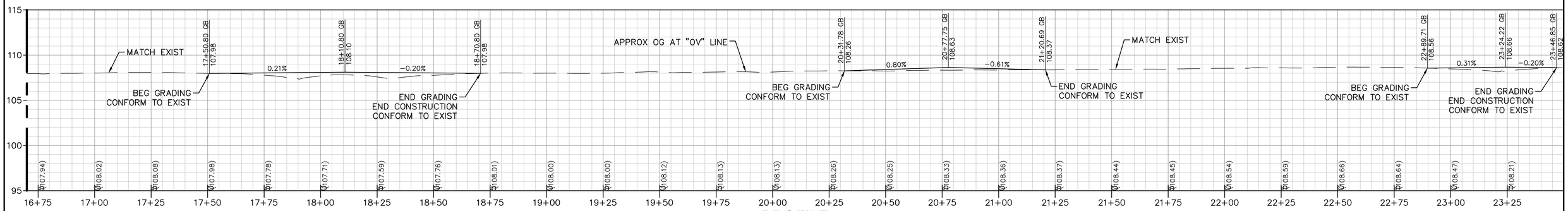
DRAWN BY:	A. FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-30
SHEET: 41 OF 169

22-001-P1-05-L-30.dwg
10/28/2022 11:32:21 AM



PLAN
1" = 20'



PROFILE
Horiz 1" = 20'
Vert 1" = 5'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CONSTRUCTION NOTES CONT:

24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
17	2½"	4"

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908
CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

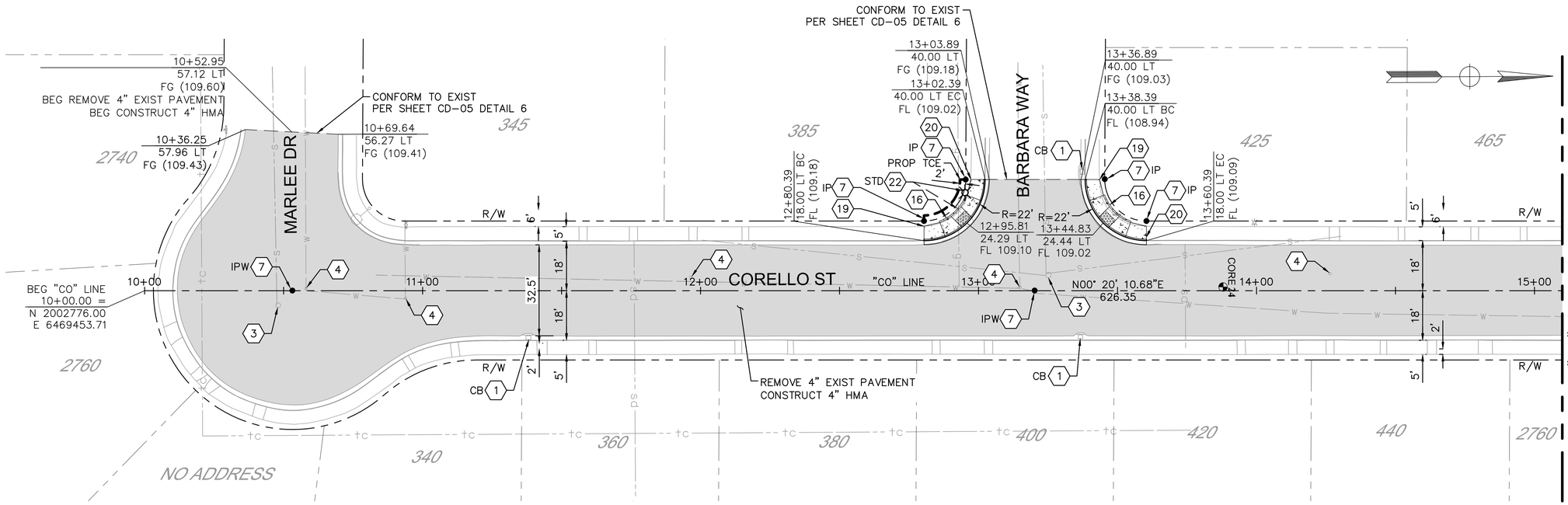
PLAN AND PROFILE
OLD VINEYARD ROAD
STA 16+70 TO STA 23+46.85
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

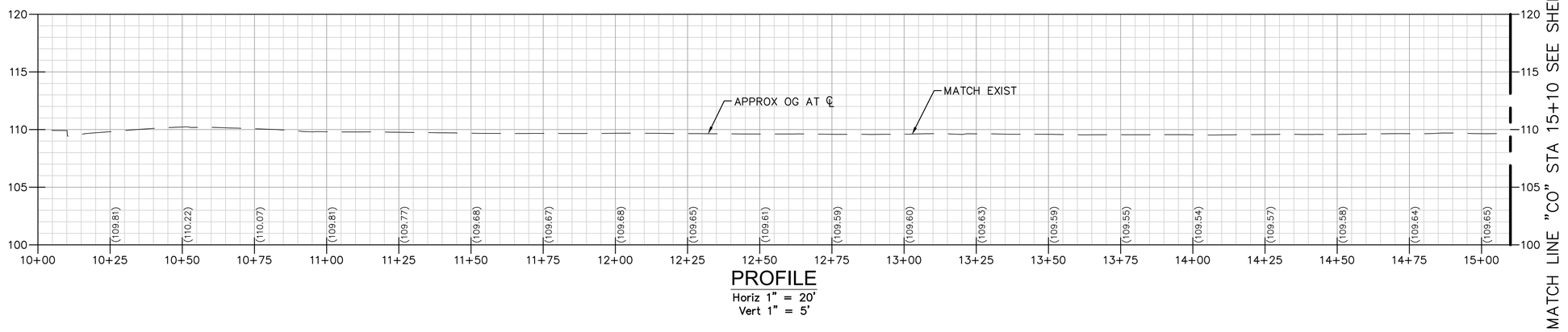
DRAWN BY:	A. FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-31
SHEET: 42 OF 169

22-001-P1-05-L-31.dwg
10/28/2022 11:33:45 AM



PLAN
1" = 20'



PROFILE
Horiz 1" = 20'
Vert 1" = 5'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE
24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
24	2½"	4"

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

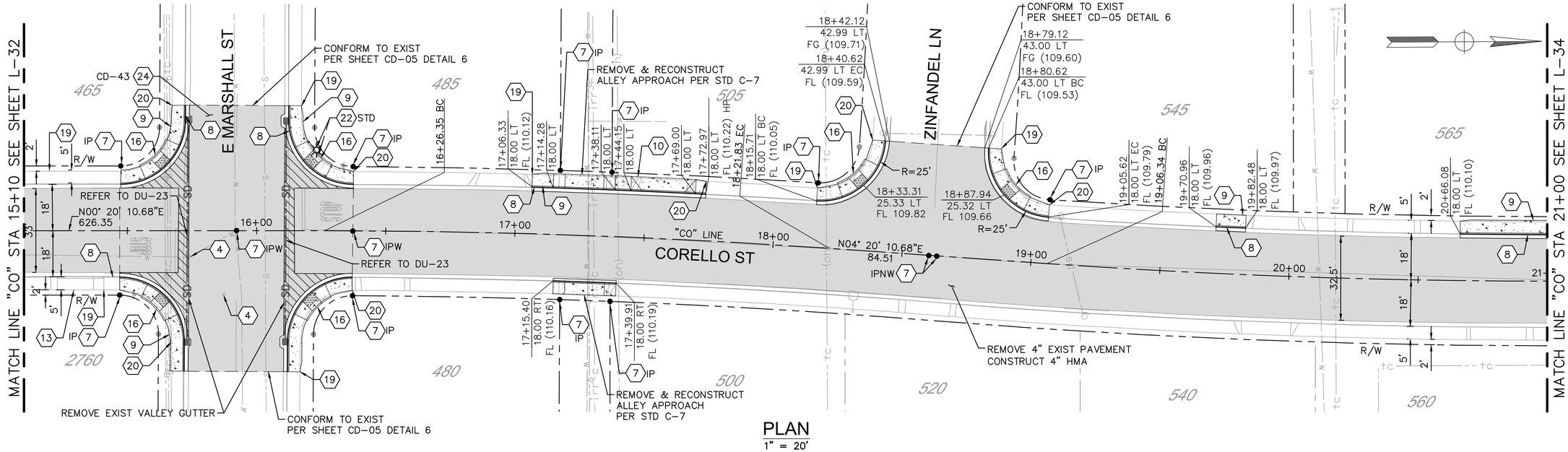
PLAN AND PROFILE
CORELLO STREET
STA 10+00 TO STA 15+10
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

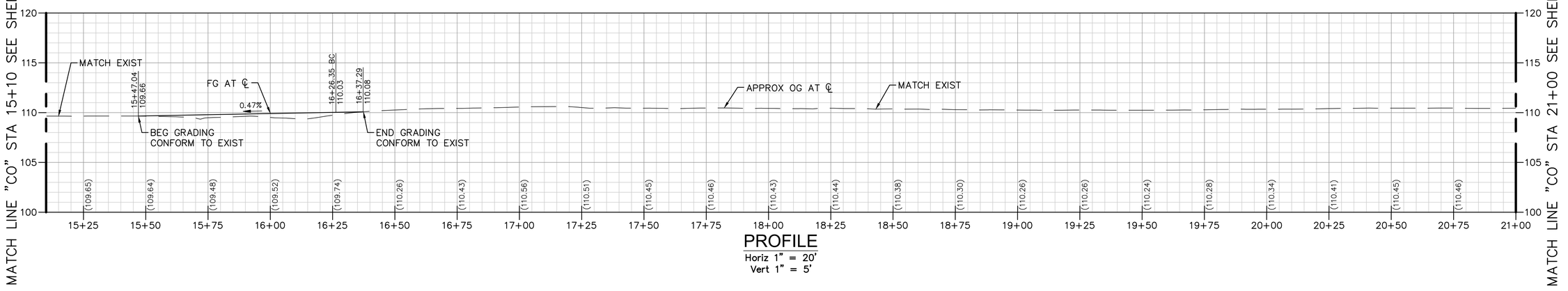
DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-32
SHEET: 43 OF 169

22-001-P1-05-L-32.dwg
10/27/2022 6:48:10 PM



PLAN
1" = 20'



PROFILE
Horiz 1" = 20'
Vert 1" = 5'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE
24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
CO1	2800.00	004°00'00.00"	97.78	195.48
CO2	2800.00	003°58'58.46"	97.36	194.64

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

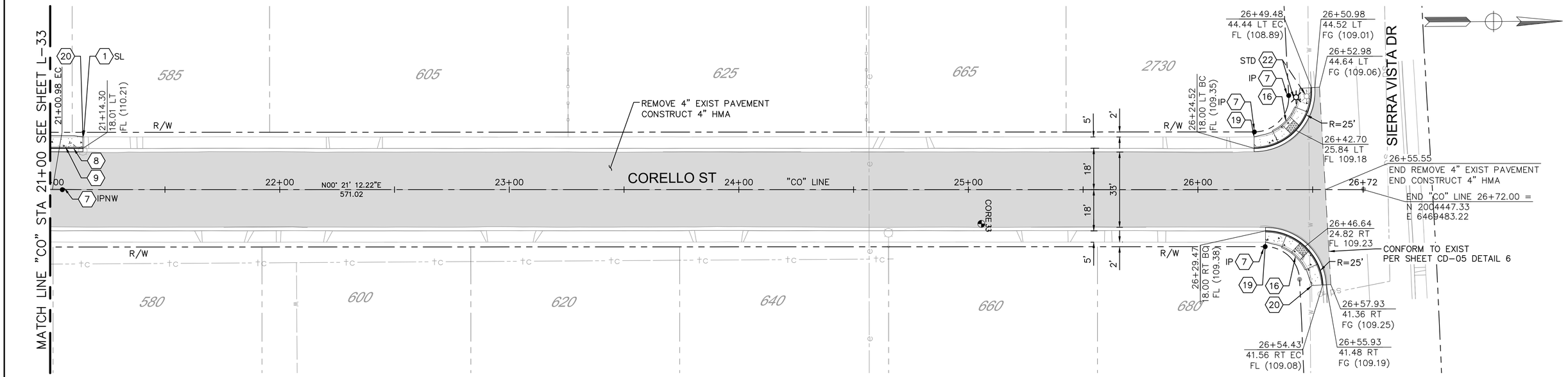
PLAN AND PROFILE
CORELLO STREET
STA 15+10 TO STA 21+00
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

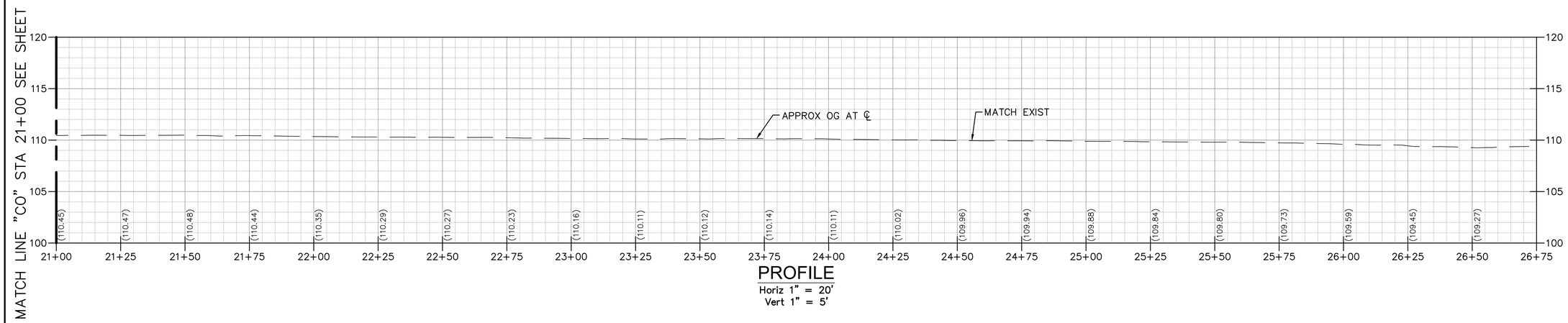
DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. L-33
SHEET: 44 OF 169

22-001-P1-05-L-33.dwg
10/27/2022 6:49:47 PM



PLAN
1" = 20'



PROFILE
Horiz 1" = 20'
Vert 1" = 5'

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. ADJUST SDMH TO GRADE
3. ADJUST SSMH TO GRADE
4. ADJUST WATER VALVE TO GRADE
5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 7)
8. REMOVE AND RECONSTRUCT C&G PER STD C-1

CONSTRUCTION NOTES CONT:

9. REMOVE AND RECONSTRUCT SIDEWALK PER STD C-3
10. REMOVE AND RECONSTRUCT DWY APPROACH PER STD C-5
11. CONSTRUCT C&G PER STD C-1
12. CONSTRUCT SIDEWALK PER STD C-3
13. CONSTRUCT DWY APPROACH PER STD C-5
14. CONSTRUCT CURB RAMP PER STD C-10
15. CONSTRUCT CURB RAMP PER STD C-11
16. CONSTRUCT CURB RAMP PER STD C-12

CONSTRUCTION NOTES CONT:

17. CONSTRUCT CURB RAMP PER STD C-14
18. MATCH EXIST EDGE OF SIDEWALK
19. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
21. REPLACE EXISTING STREETLIGHT IN PLACE (NOT IN CONTRACT)
22. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
23. REMOVE TREE
24. REMOVE FULL DEPTH EXIST AC/AB. GRADE AND COMPACT SUBGRADE TO ACHIEVE FINAL FINISHED SURFACE. PLACE 6" AC OVER 6" AB. REFER TO INTERSECTION GRADING DETAIL AS SHOWN ON PLAN.

NOTE:

1. REFER TO SHEET L-01 FOR LAYOUT NOTES.

CORE TABLE		
CORE No.	HMA AND LIFT THICKNESS (IN)	AB (IN)
33	1¾"	4¼"

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

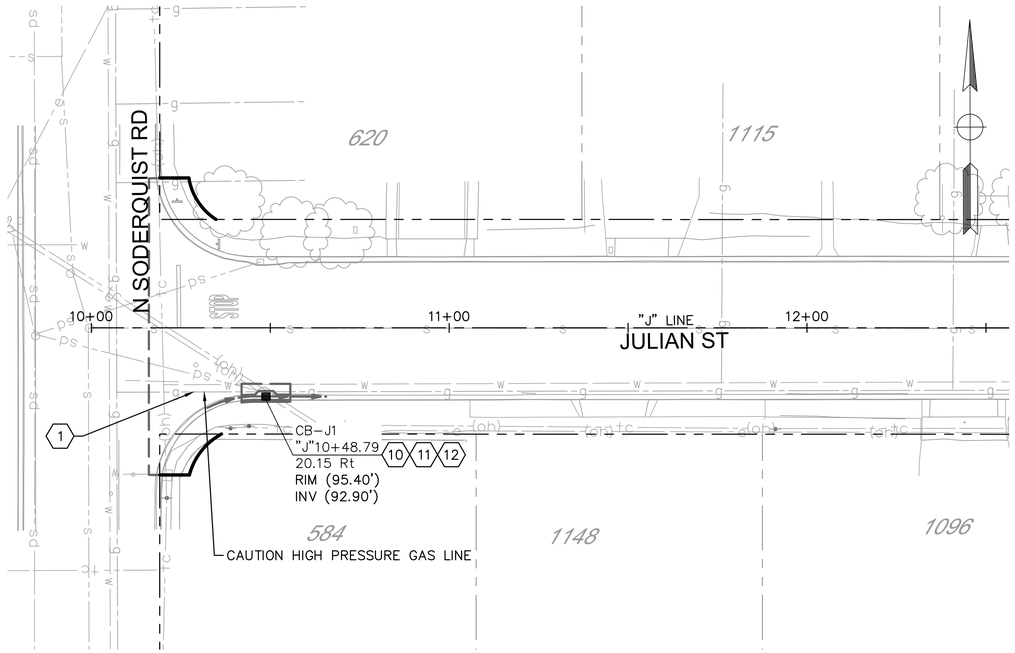
PLAN AND PROFILE
CORELLO STREET
STA 21+00 TO STA 26+72
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

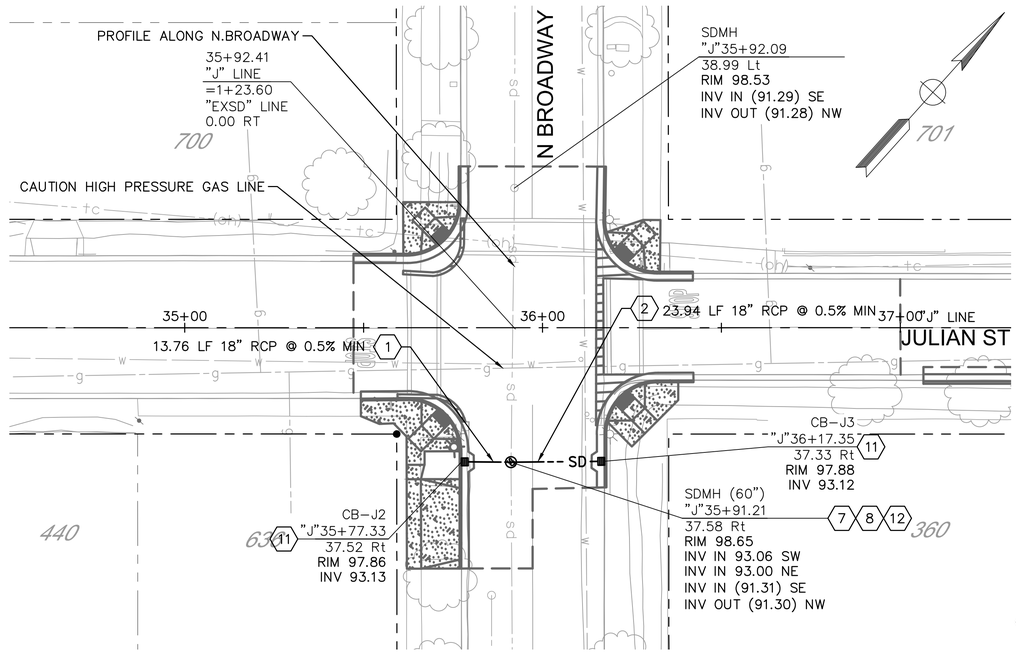
DRAWING No. L-34
SHEET: 45 OF 169

22-001-P1-05-L-34.dwg
10/27/2022 6:51:07 PM



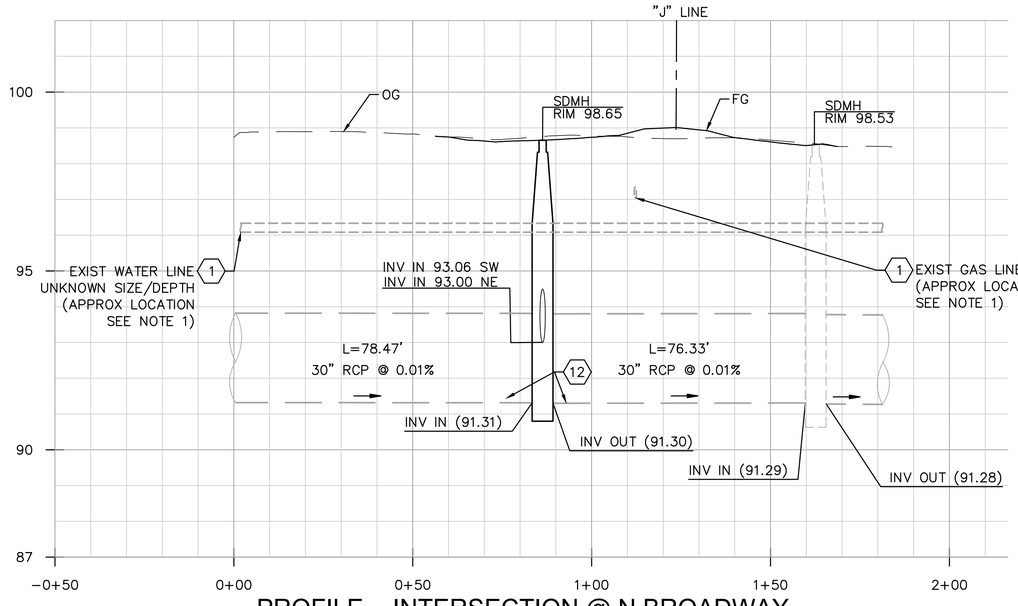
PLAN - INTERSECTION @ N SODERQUIST RD

1" = 20'



PLAN - INTERSECTION @ N BROADWAY

1" = 20'



PROFILE - INTERSECTION @ N BROADWAY

SD MAIN TIE IN - CB-J2, CB-J3

Horiz. 1" =20'
Vert. 1" = 2'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD-05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU-24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S-3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S-5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD-05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD-1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU-24)

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

DRAINAGE PLAN
JULIAN STREET

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1/2" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

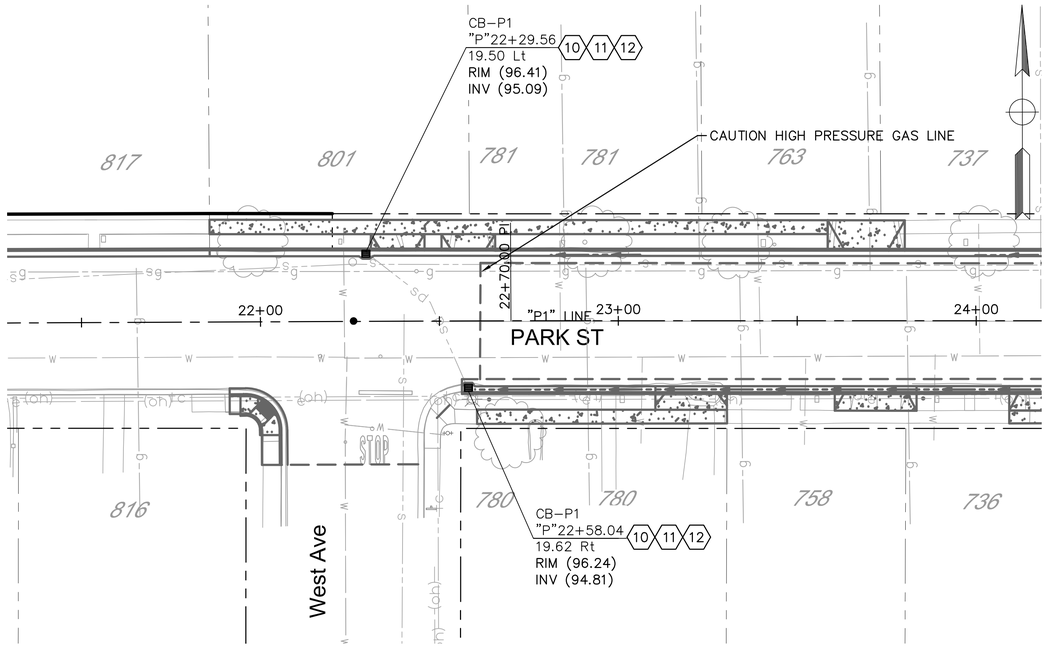
DRAWN BY:	R. GHARAIBEH
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. DU-01

SHEET: 46 OF 169

22-001-P1-06-DU-01.dwg

10/27/2022 6:55:10 PM



PLAN - INTERSECTION @ WEST AVENUE

1" = 20'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD–05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S–3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S–5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD–05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD–1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

DRAINAGE PLAN
PARK STREET

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

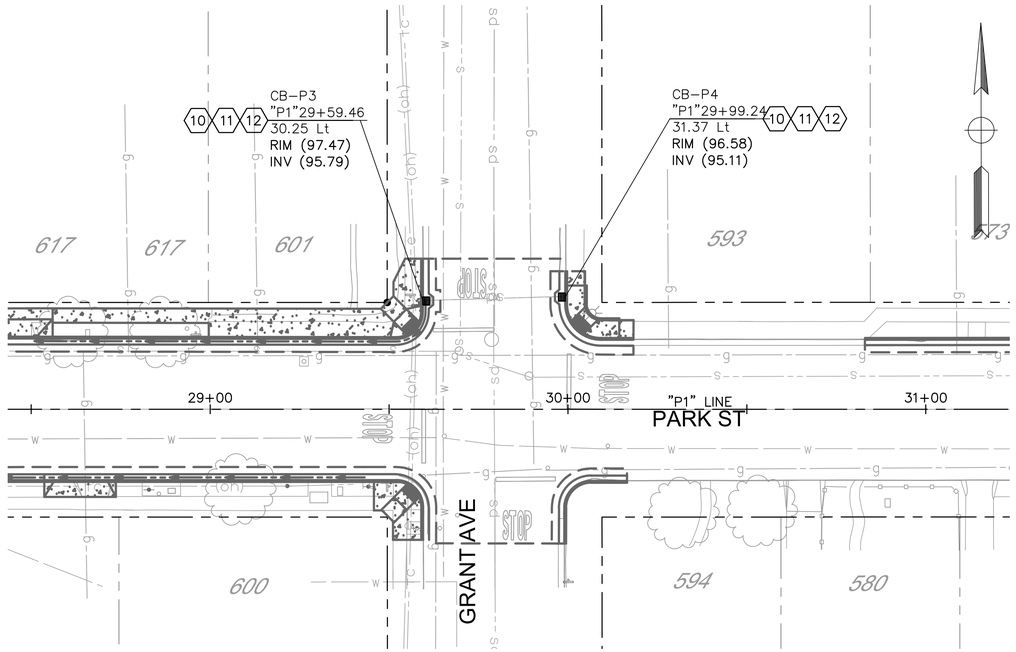
DRAWN BY:	R. GHARAIBEH
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. DU-02

SHEET: 47 OF 169

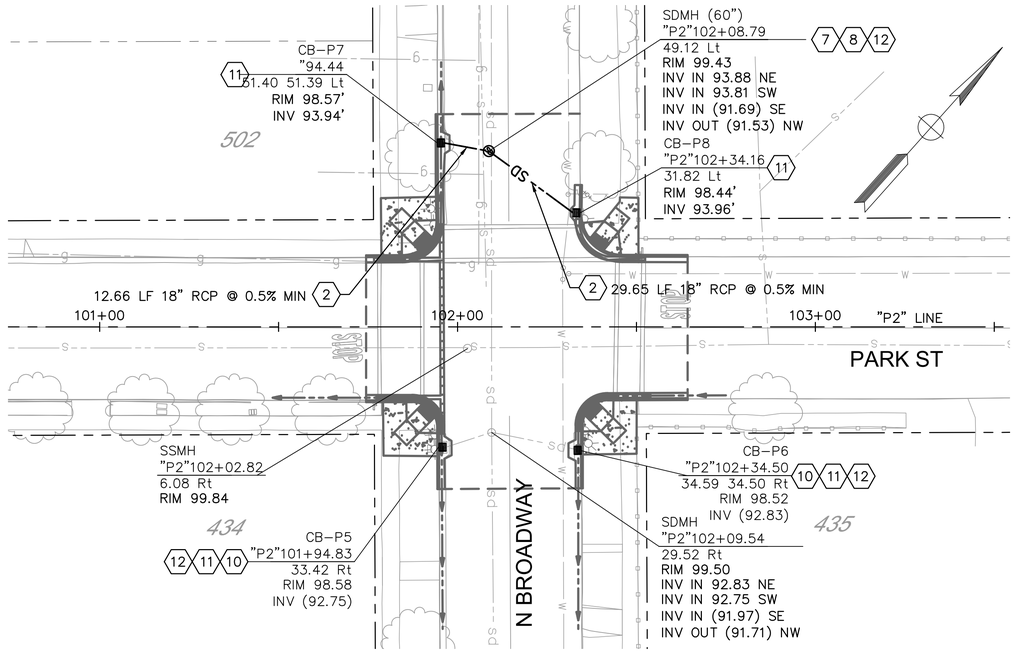
22-001-P1-06-DU-02.dwg

10/27/2022 6:56:01 PM



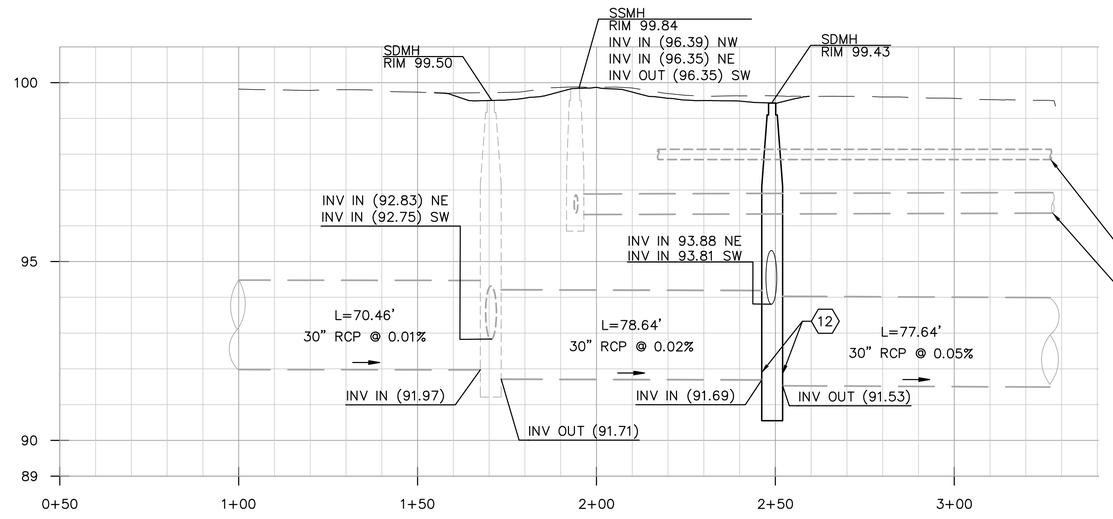
PLAN - INTERSECTION @ GRANT AVE

1" = 20'



PLAN - INTERSECTION @ N BROADWAY

1" = 20'



PROFILE - INTERSECTION @ N BROADWAY

SD TIE IN - CB-P7, CB-P8

Horiz. 1" =20'
Vert. 1" = 2'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD–05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S–3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S–5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD–05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD–1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)

1. EXIST GAS LINE (APPROX LOCATION SEE NOTE 1)
1. EXIST SEWER LINE 8" CLAY (APPROX LOCATION SEE NOTE 1)

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

DRAINAGE PLAN
PARK STREET

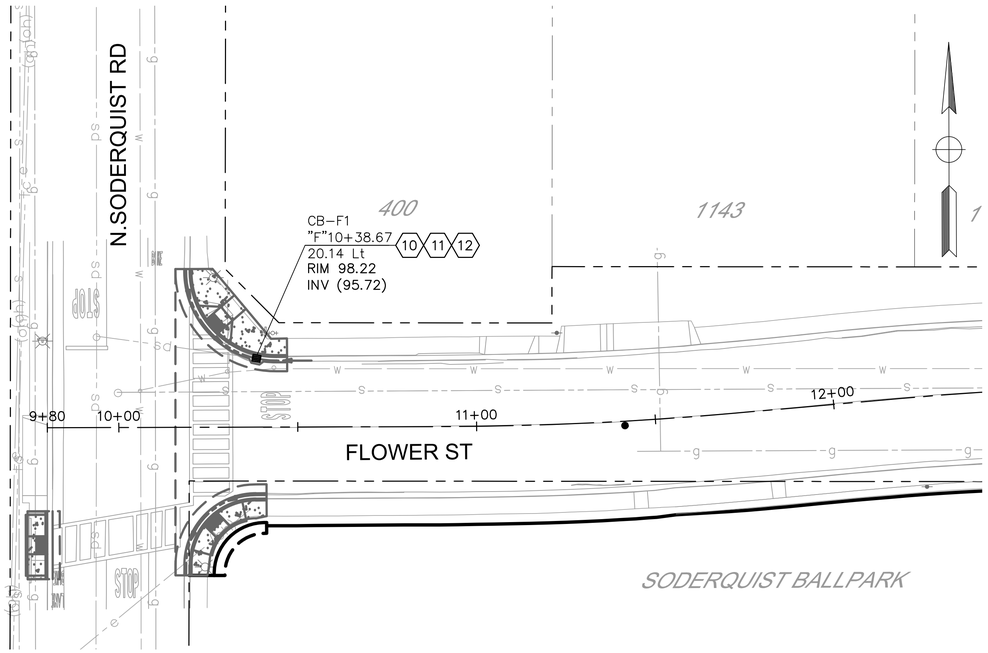
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

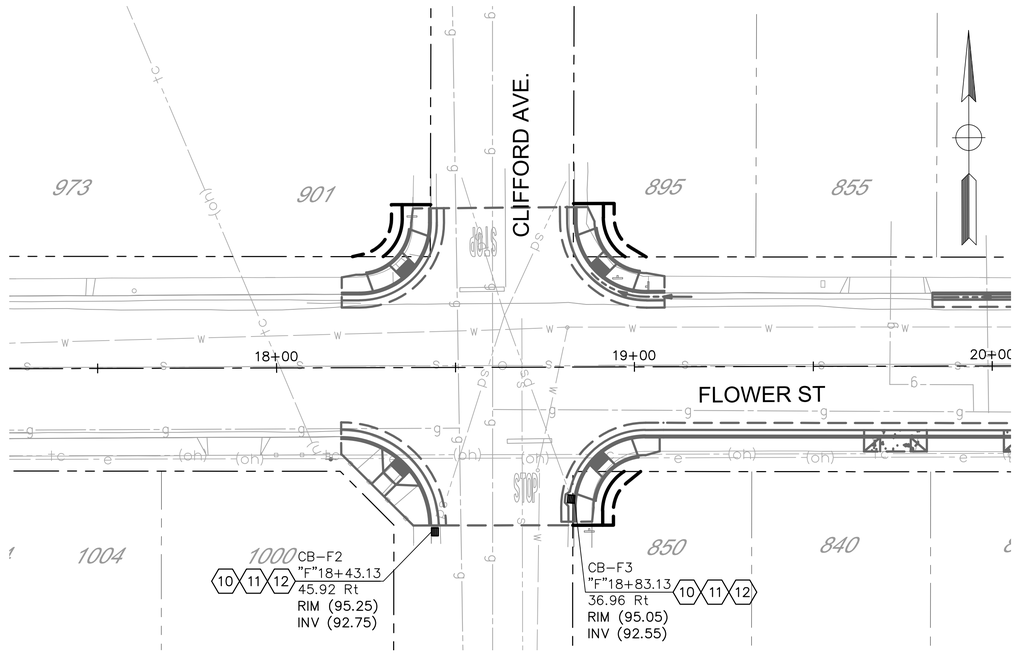
DRAWN BY: R. GHARAIBEH	
REV. BY:	
CH. BY: S. ARAIN	
DATE: 10/28/2022	
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

DRAWING No.
DU-03
SHEET:
48 OF 169

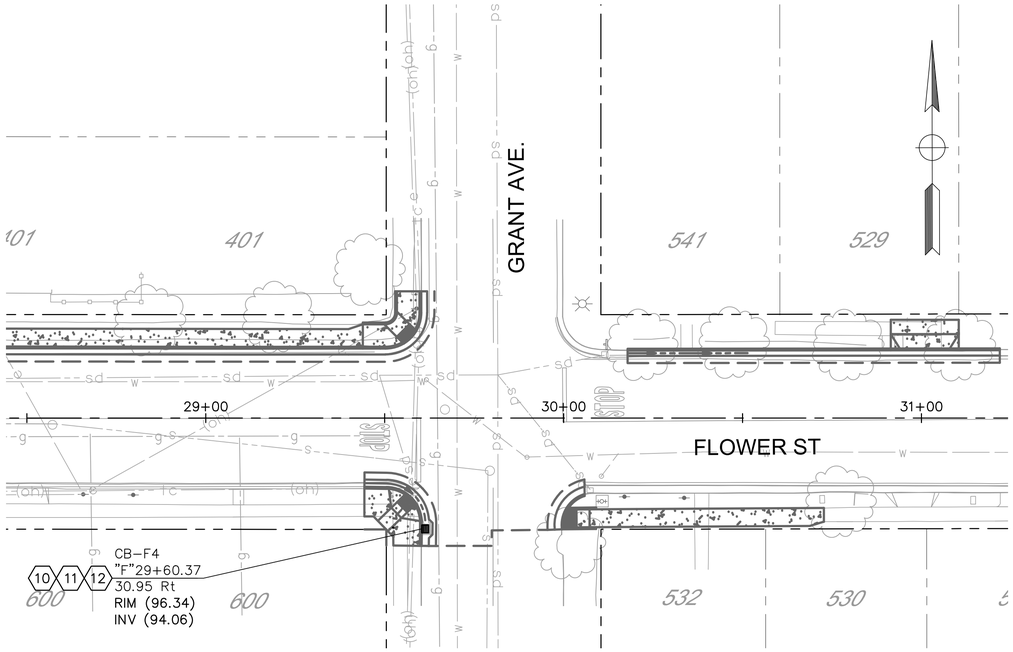
22-001-P1-06-DU-03.dwg
10/27/2022 6:57:02 PM



PLAN - INTERSECTION @ N SODERQUIST ROAD
1" = 20'



PLAN - INTERSECTION @ CLIFFORD AVENUE
1" = 20'



PLAN - INTERSECTION @ GRANT AVENUE
1" = 20'

NOTES:
1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD–05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S–3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S–5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD–05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD–1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

DRAINAGE PLAN
FLOWER STREET
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

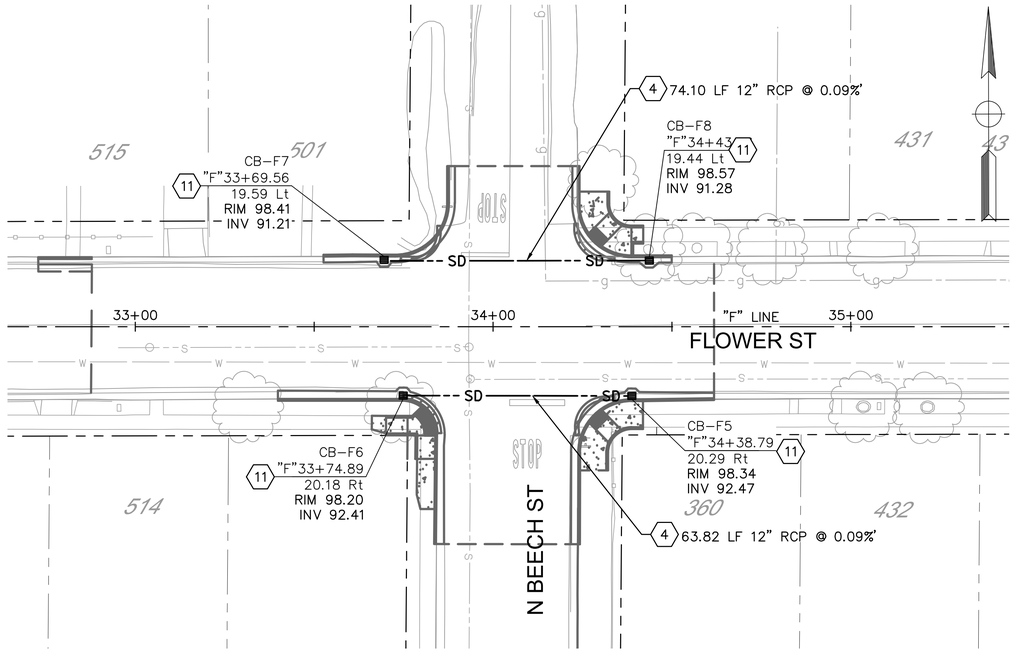
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/2" 1" 1/4" 3/4"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	R. GHARAIBEH
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. DU-04

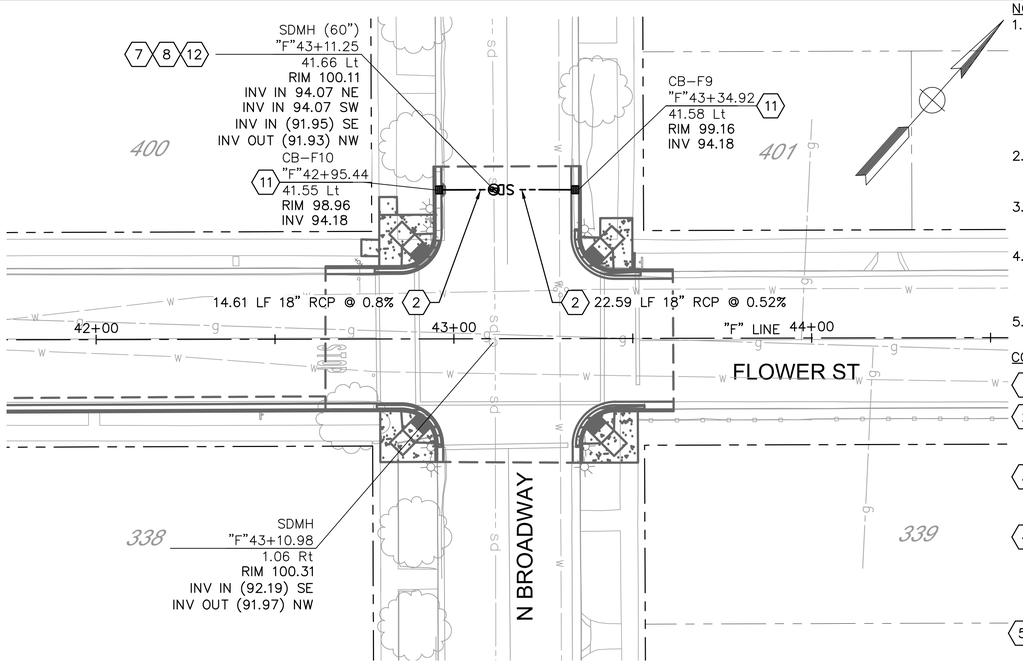
SHEET: 49 OF 169

22-001-P1-06-DU-04.dwg
10/27/2022 6:58:20 PM



PLAN - INTERSECTION @ N BEECH STREET

1" = 20'



PLAN - INTERSECTION @ N BROADWAY

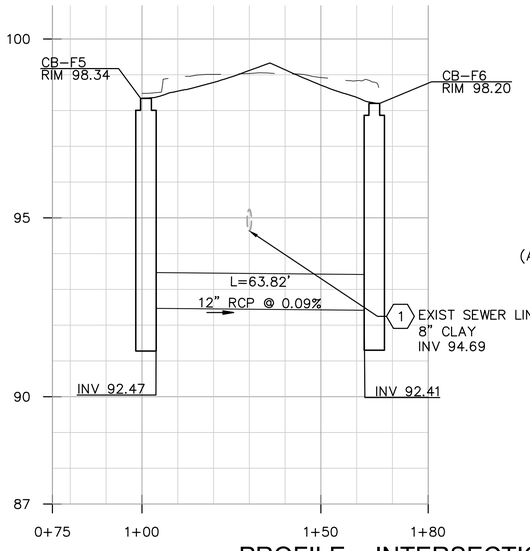
1" = 20'

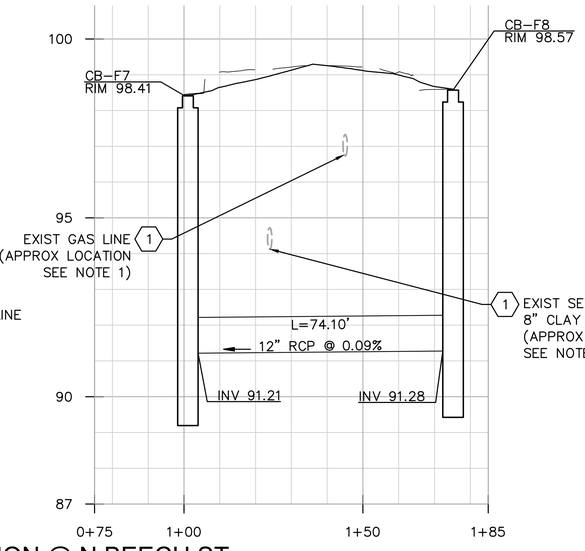
NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD–05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S–3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S–5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD–05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD–1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)





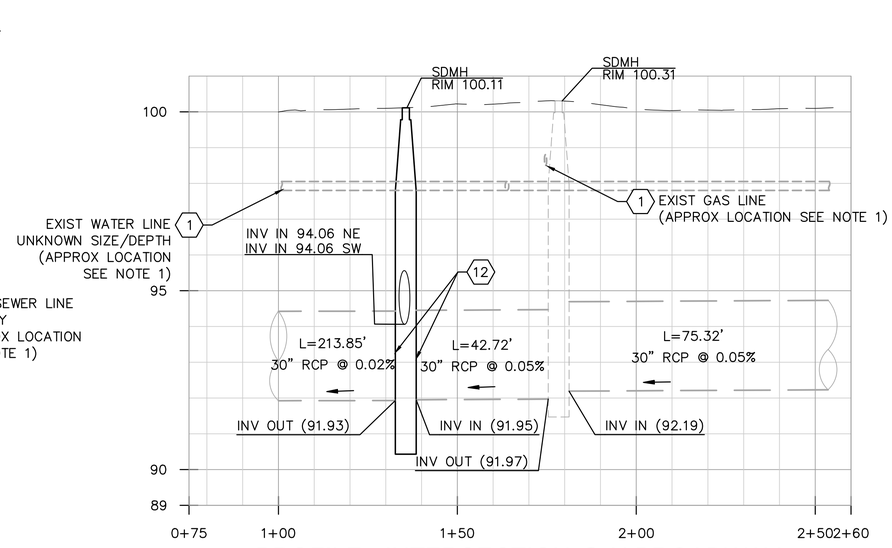
PROFILE - INTERSECTION @ N BEECH ST

BUBBLE UP - SOUTH APPROACH

Horiz. 1" =20'
Vert. 1" = 2'

BUBBLE UP - NORTH APPROACH

Horiz. 1" =20'
Vert. 1" = 2'



PROFILE - INTERSECTION @ N BROADWAY

SD TIE IN - CB-F6, CB-F7

Horiz. 1" =20'
Vert. 1" = 2'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

DRAINAGE PLAN
FLOWER STREET
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

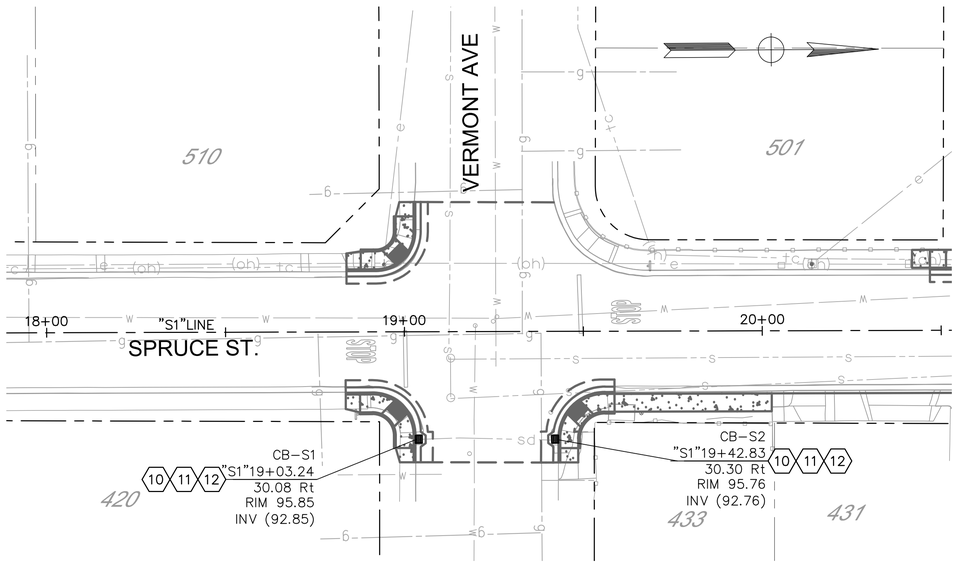
DRAWN BY:	R. GHARAIBEH
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. DU-05

SHEET: 50 OF 169

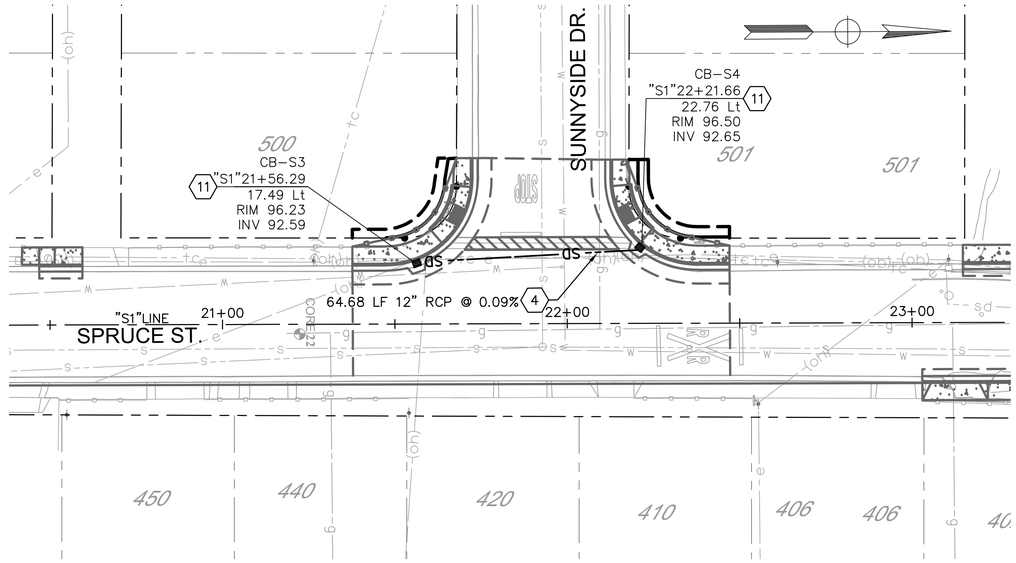
22-001-P1-06-DU-05.dwg

10/28/2022 9:58:55 AM



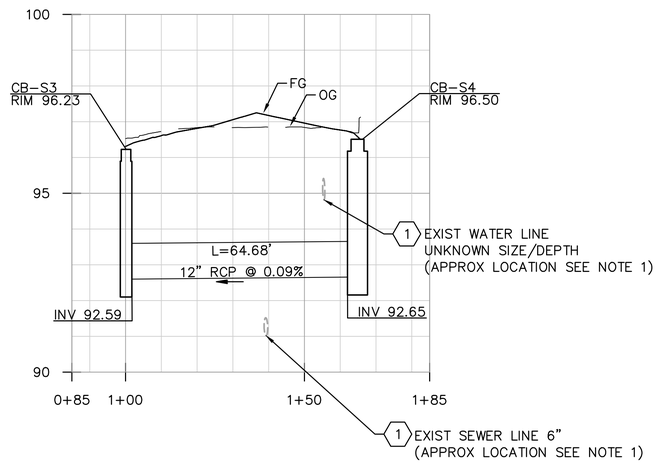
PLAN - INTERSECTION @ VERMONT AVE

1" = 20'



PLAN - INTERSECTION @ SUNNYSIDE DRIVE

1" = 20'



PROFILE - INTERSECTION @ SUNNYSIDE DRIVE

BUBBLE UP - S3, S4

Horiz.1" = 20'
Vert. 1" = 2'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD–05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S–3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S–5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD–05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD–1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

DRAINAGE PLAN
SPRUCE STREET
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

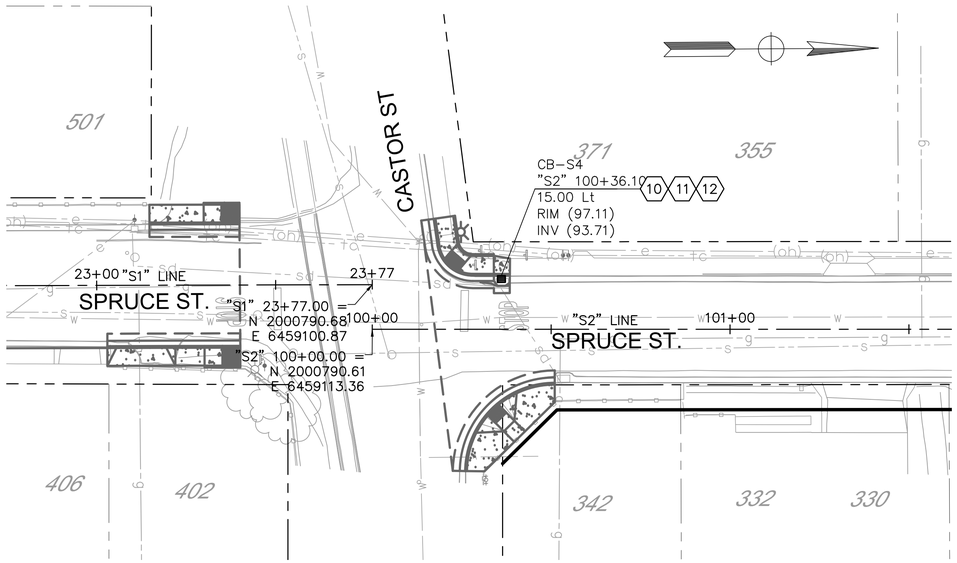
DRAWN BY:	R. GHARAIBEH
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. DU-06

SHEET: 51 OF 169

22-001-P1-06-DU-06.dwg

10/27/2022 7:00:45 PM



PLAN - INTERSECTION @ CASTOR STREET

1" = 20'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD–05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S–3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S–5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD–05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD–1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

DRAINAGE PLAN
SPRUCE STREET

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

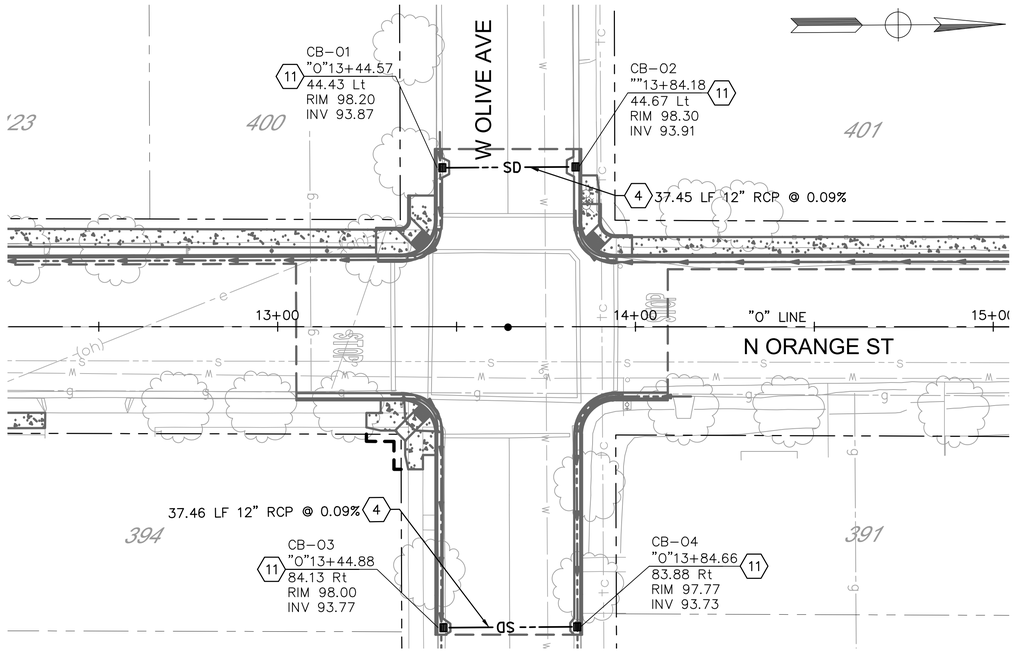
DRAWN BY:	R. GHARAIBEH
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. DU-07

SHEET: 52 OF 169

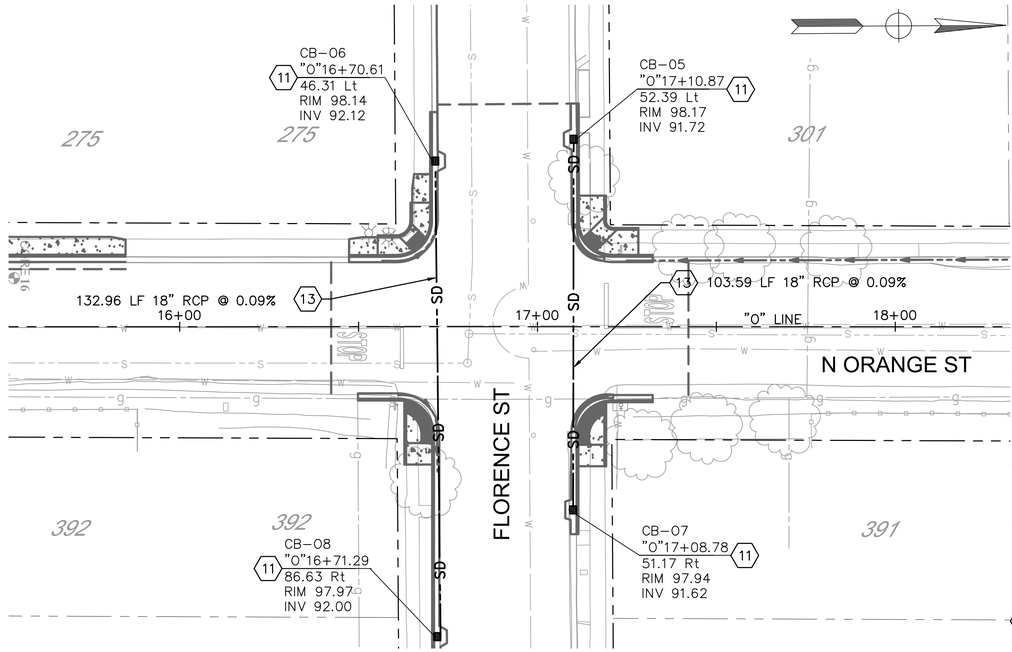
22–001–P1–06–DU–07.dwg

10/27/2022 7:01:35 PM



PLAN - INTERSECTION @ W OLIVE AVENUE

1" = 20'



PLAN - INTERSECTION @ FLORENCE STREET

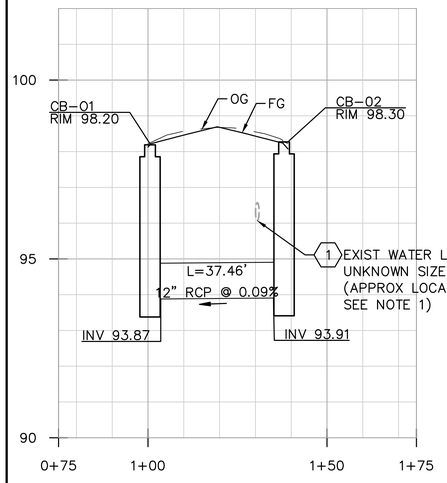
1" = 20'

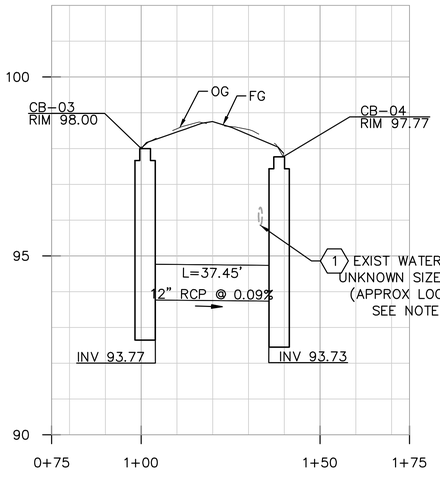
NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD-05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU-24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S-3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S-5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD-05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD-1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU-24)





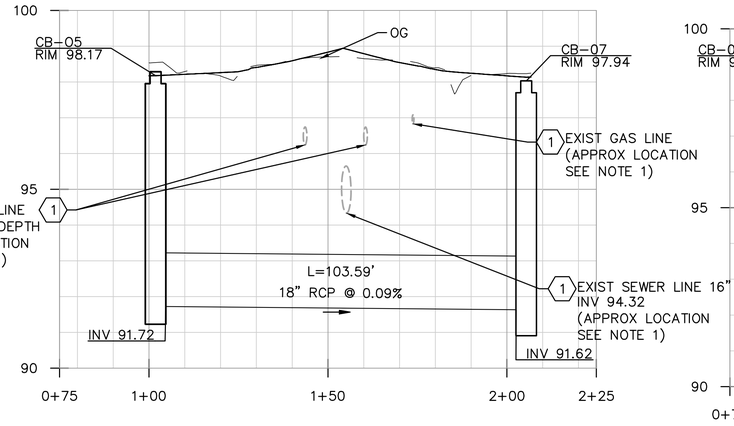
PROFILE - INTERSECTION @ W. OLIVE AVENUE

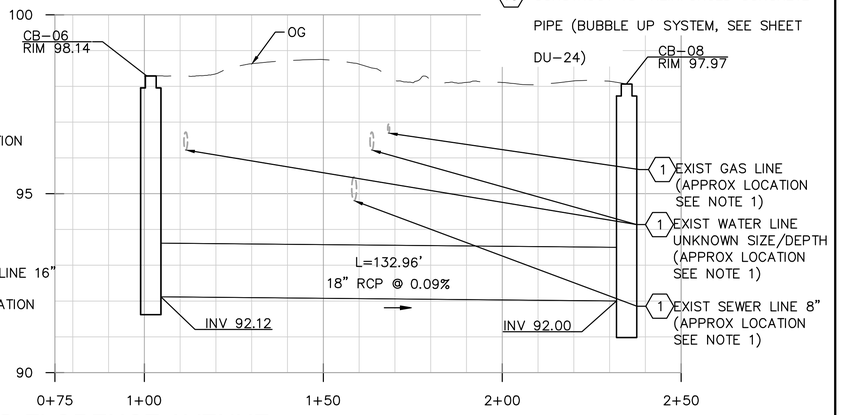
BUBBLE UP - WEST APPROACH

Horiz.1" = 20'
Vert. 1" = 2'

BUBBLE UP - EAST APPROACH

Horiz.1" = 20'
Vert. 1" = 2'





PROFILE - INTERSECTION @ FLORENCE AVENUE

BUBBLE UP - NORTH APPROACH

Horiz.1" = 20'
Vert. 1" = 2'

BUBBLE UP - SOUTH APPROACH

Horiz.1" = 20'
Vert. 1" = 2'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY, SUITE 150
(209) 668-5520

DRAINAGE PLAN
N ORANGE STREET
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

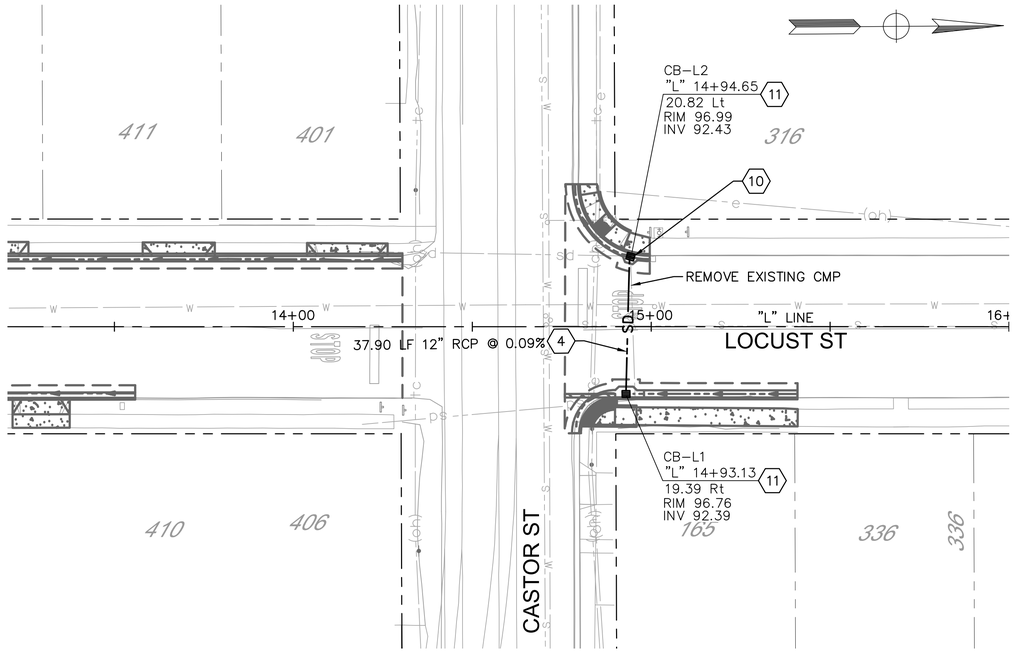
DRAWN BY:	R. GHARAIBEH
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. DU-08

SHEET: 53 OF 169

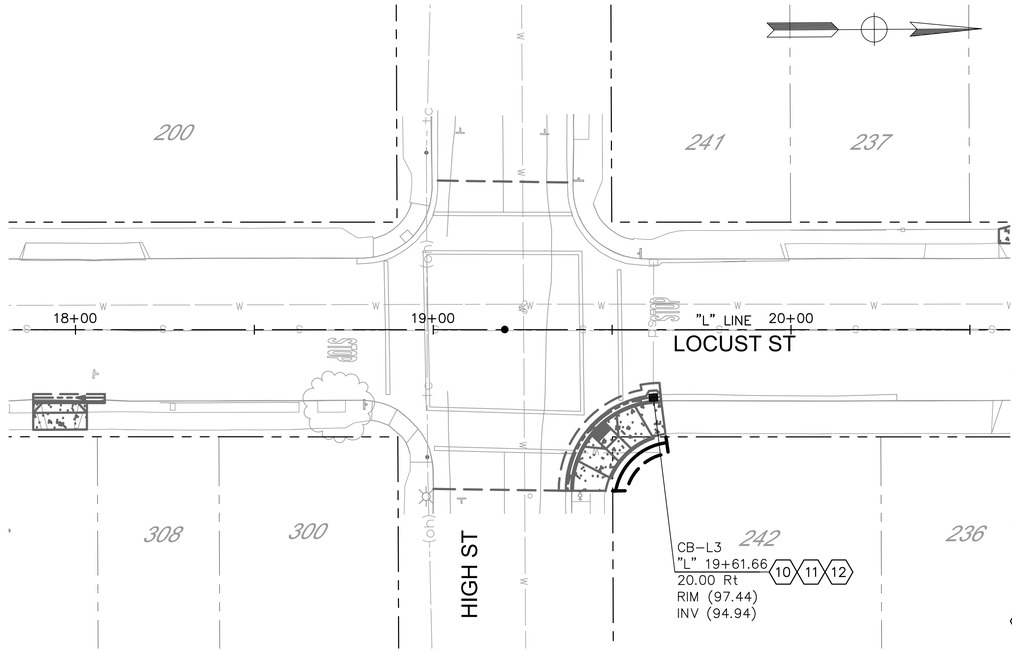
22-001-P1-06-DU-08.dwg

10/27/2022 7:02:59 PM



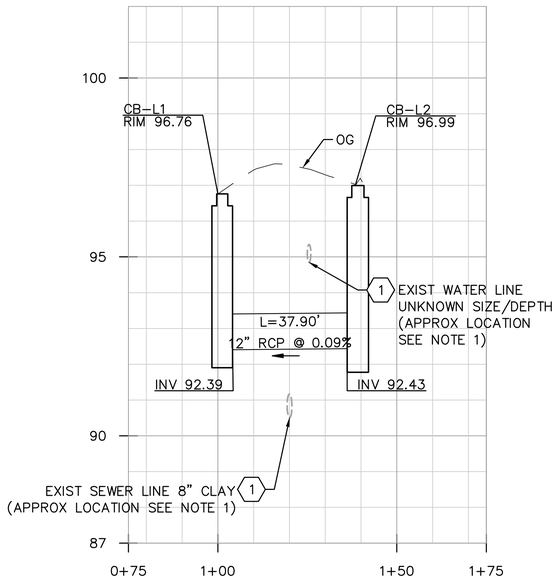
PLAN - INTERSECTION @ CASTOR STREET

1" = 20'



PLAN - INTERSECTION @ HIGH STREET

1" = 20'



PROFILE - INTERSECTION @ CASTOR STREET

BUBBLE UP - SOUTH APPROACH

Horiz.1" = 20'
Vert. 1" = 2'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD–05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S–3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S–5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD–05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD–1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

DRAINAGE PLAN
LOCUST STREET

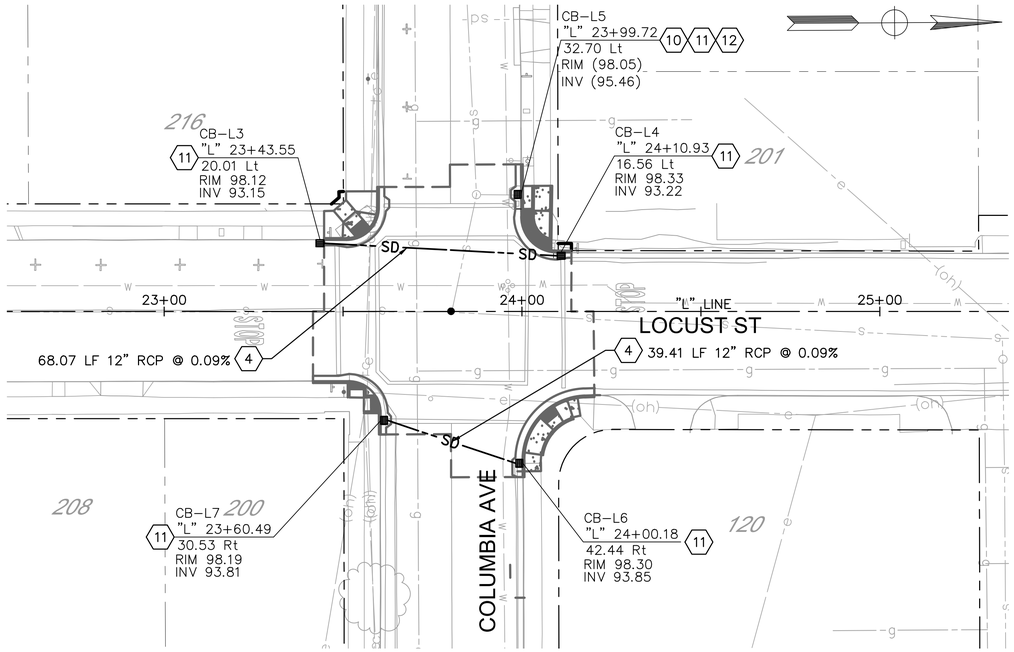
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	R. GHARAIBEH
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

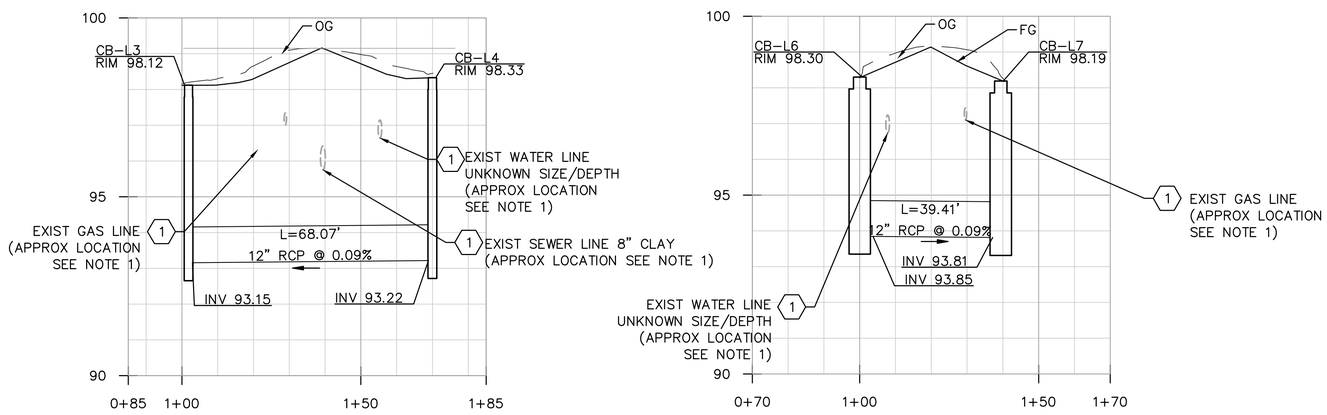
DRAWING No.
DU-09
SHEET:
54 OF 169

22–001–P1–06–DU–09.dwg
10/27/2022 7:04:14 PM



PLAN - INTERSECTION @ COLUMBIA AVENUE

1" = 20'



PROFILE - INTERSECTION @ COLUMBIA AVENUE

BUBBLE UP - WEST APPROACH

Horiz.1" = 20'
Vert. 1" = 2'

BUBBLE UP - EAST APPROACH

Horiz.1" = 20'
Vert. 1" = 2'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD–05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

(1) PROTECT IN PLACE
(2) CONSTRUCT 18" REINFORCED CONCRETE PIPE
(3) CONSTRUCT 12" REINFORCED CONCRETE PIPE
(4) CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)
(5) CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
(6) CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
(7) INSTALL MANHOLE PER CITY STD S–3.
(8) INSTALL MANHOLE FRAME & COVER PER CITY STD S–5
(9) TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD–05
(10) REMOVE EXISTING CATCH BASIN
(11) INSTALL CATCH BASIN PER CITY STD SD–1
(12) TIE IN TO EXISTING STORM DRAIN LINE
(13) CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

DRAINAGE PLAN
LOCUST STREET

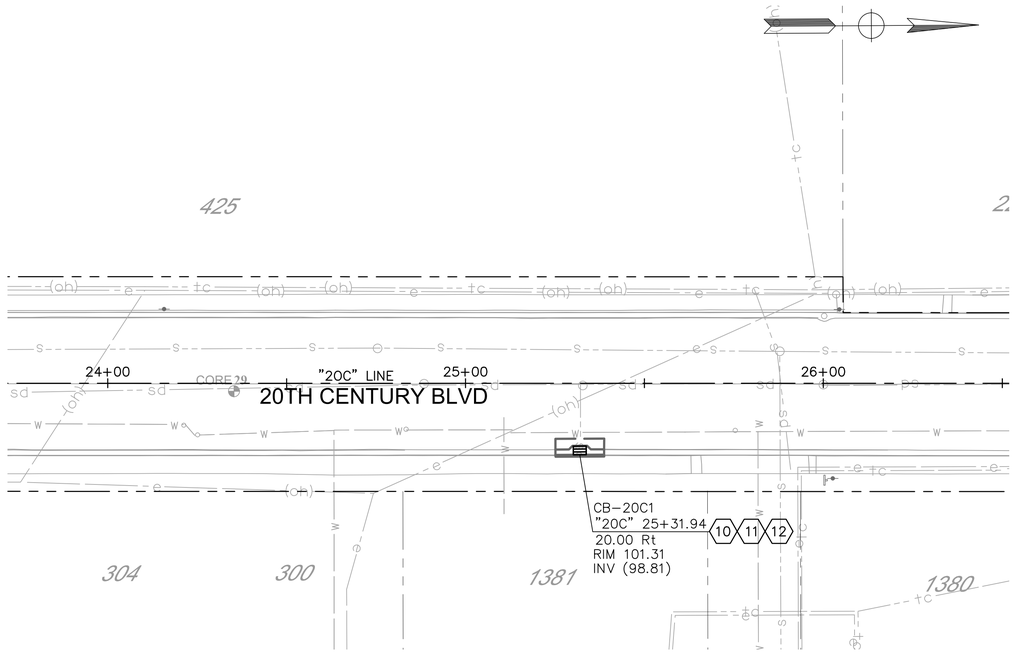
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

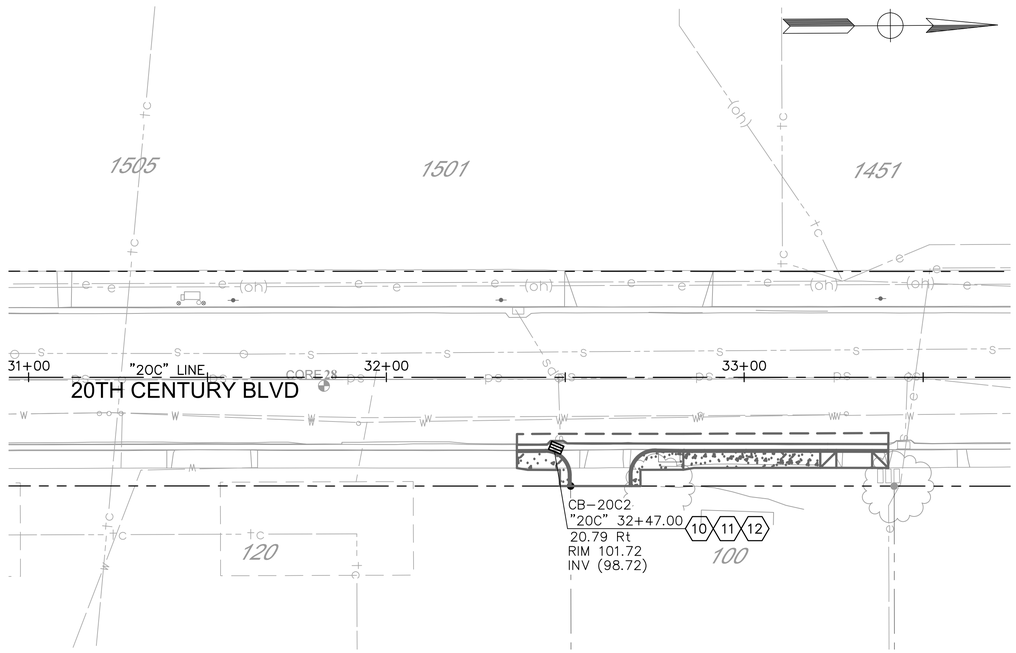
DRAWN BY:	R. GHARAIBEH
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. DU-10
SHEET: 55 OF 169

22–001–P1–06–DU–10.dwg
10/27/2022 7:05:09 PM



PLAN - 20TH CENTURY BOULEVARD
1" = 20'



PLAN - 20TH CENTURY BOULEVARD
1" = 20'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD–05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S–3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S–5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD–05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD–1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

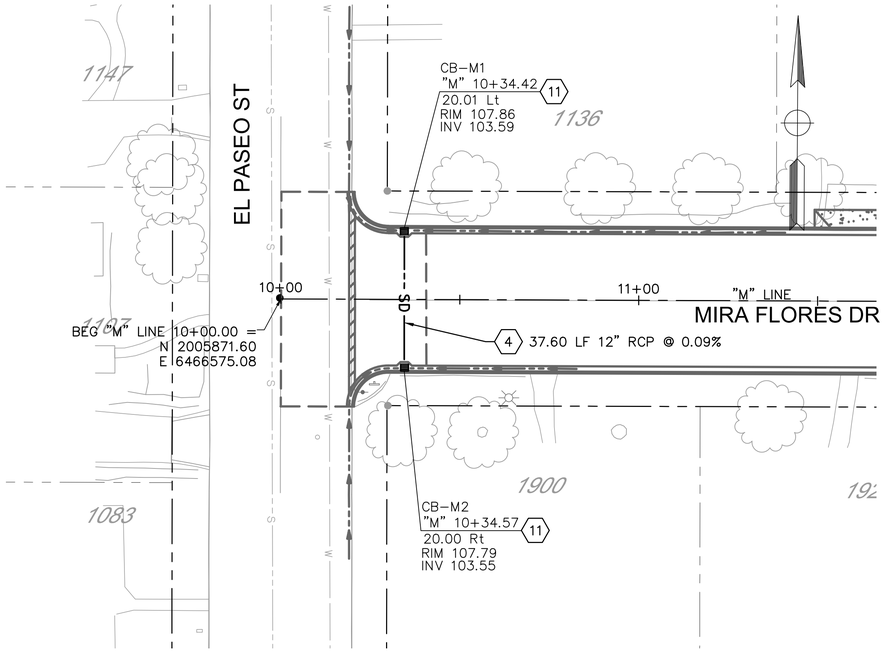
DRAINAGE PLAN
20TH CENTURY BOULEVARD
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	R. GHARAIBEH
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

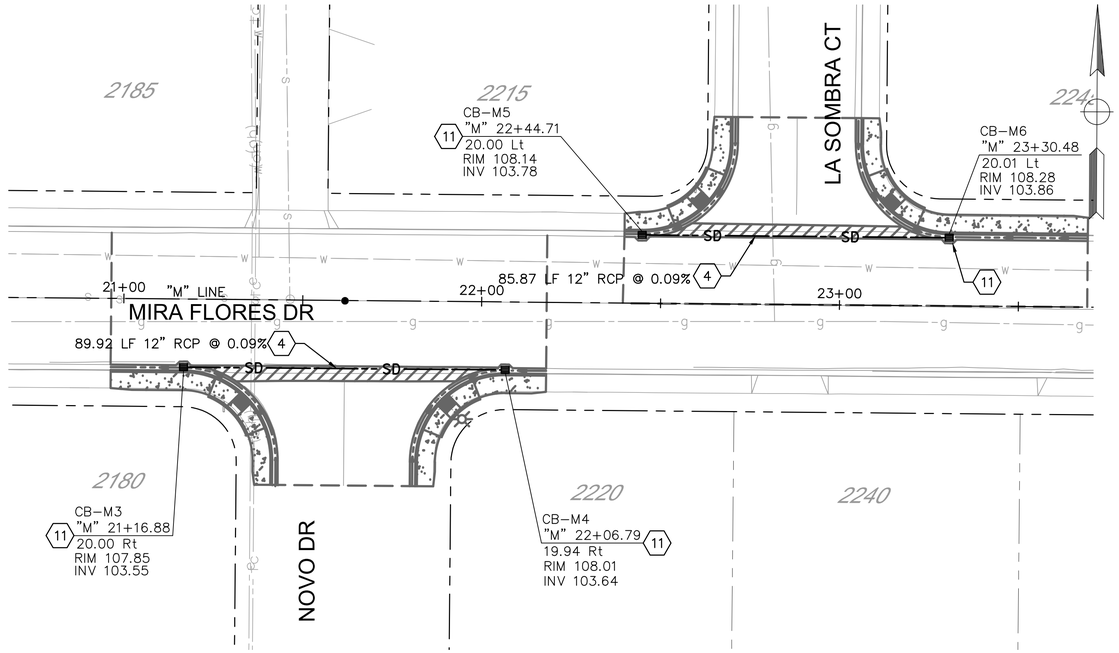
DRAWING No.
DU-11
SHEET:
56 OF 169

22–001–P1–06–DU–11.dwg
10/27/2022 7:06:09 PM



PLAN - INTERSECTION @ EL PASEO STREET

1" = 20'



PLAN - INTERSECTION @ NOVO DRIVE & LA SOMBRA COURT

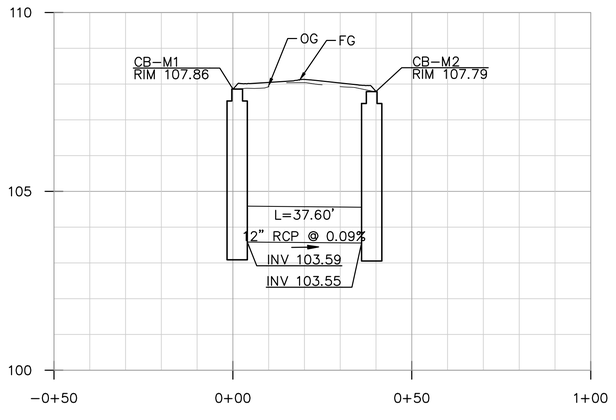
1" = 20'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD–05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

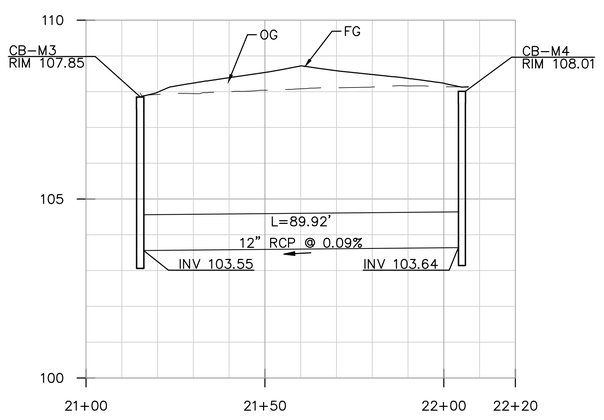
1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S–3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S–5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD–05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD–1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)



PROFILE - INTERSECTION @ EL PASEO STREET

BUBBLE UP - NORTH APPROACH

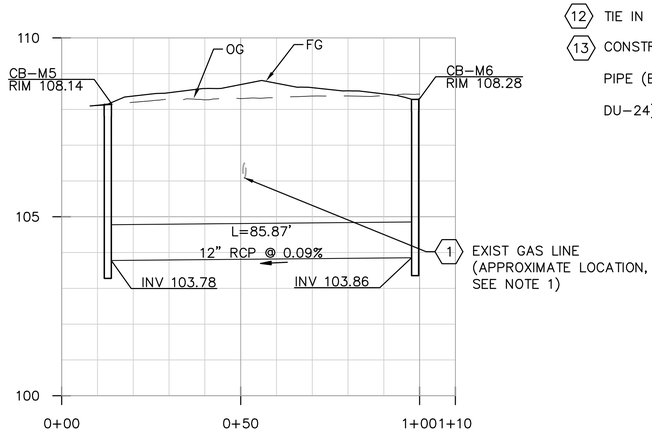
Horiz. 1"=20'
Vert. 1" = 2'



PROFILE - INTERSECTION @ NOVO DRIVE

BUBBLE UP - NORTH APPROACH

Horiz. 1"=20'
Vert. 1" = 2'



PROFILE - INTERSECTION @ LA SOMBRA COURT

BUBBLE UP - NORTH APPROACH

Horiz. 1"=20'
Vert. 1" = 2'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

DRAINAGE PLAN
MIRA FLORES DRIVE
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

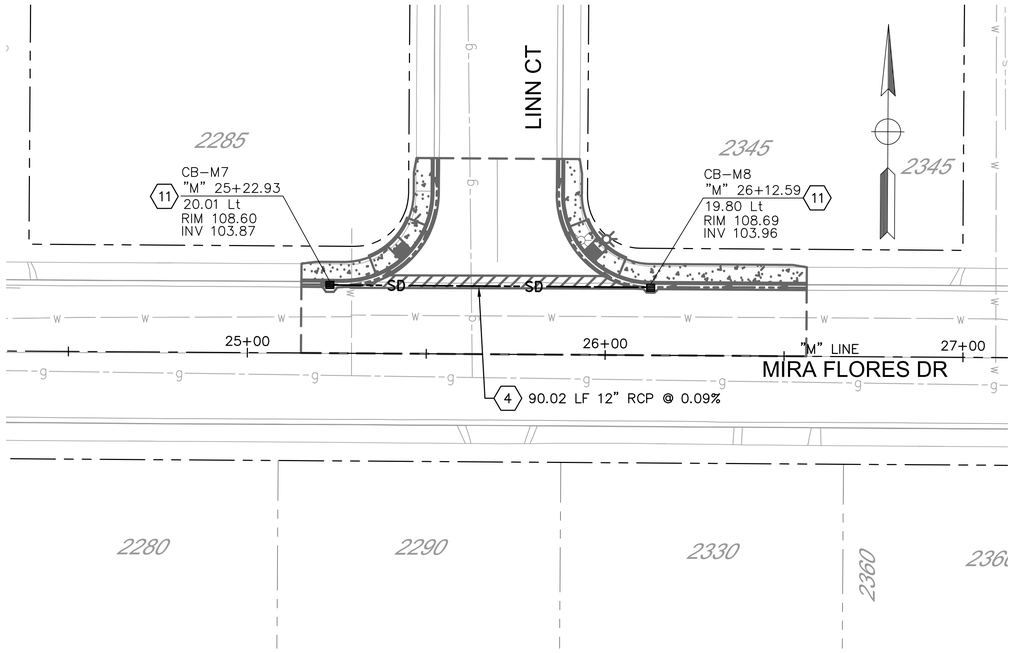
DRAWN BY: H. GHAFOURIAN	
REV. BY:	
CH. BY: S. ARAIN	
DATE: 10/28/2022	
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

DRAWING No. DU-12

SHEET: 57 OF 169

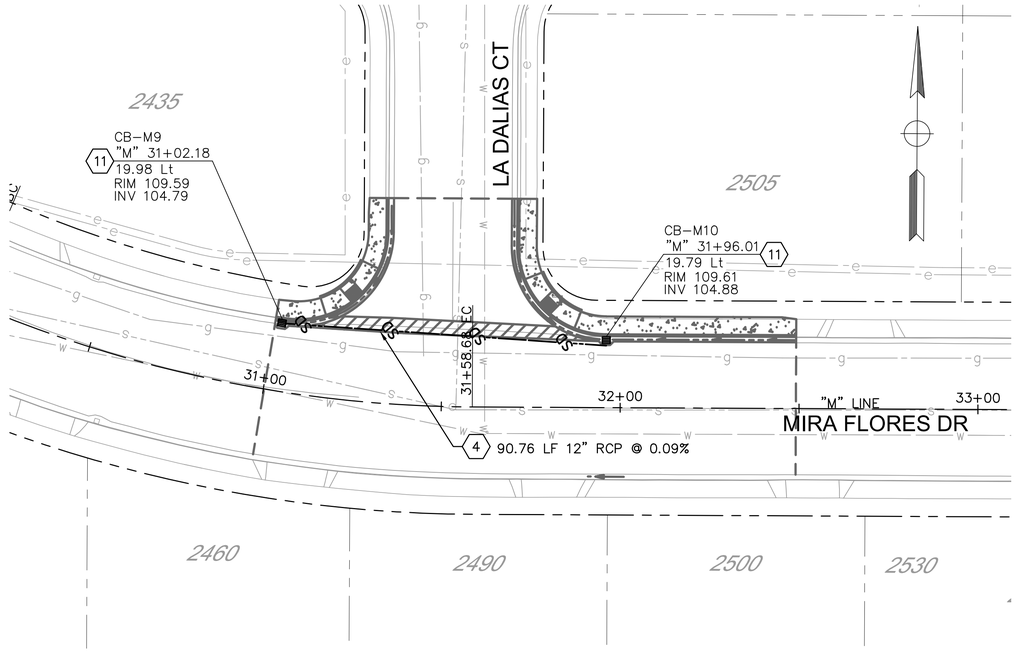
22–001–P1–06–DU–12.dwg

10/27/2022 7:07:30 PM



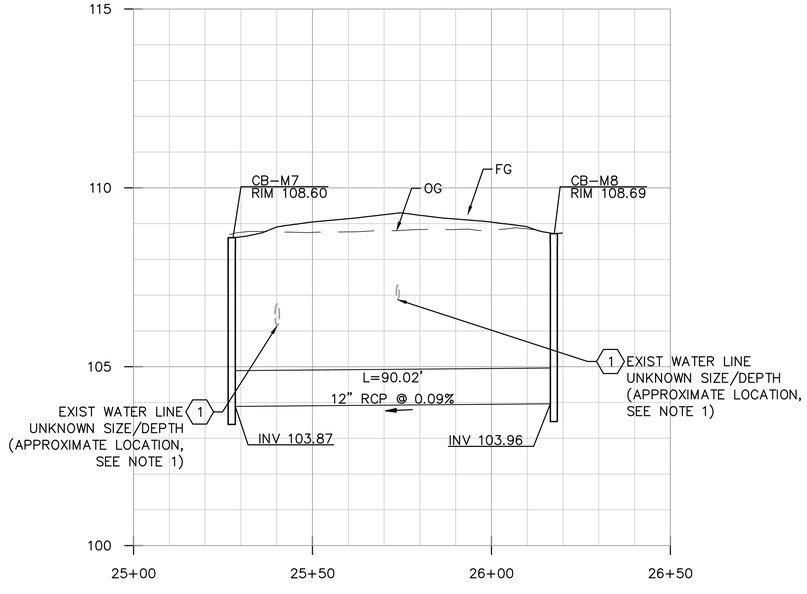
PLAN - INTERSECTION @ LINN COURT

1" = 20'



PLAN - INTERSECTION @ LA DALIAS COURT

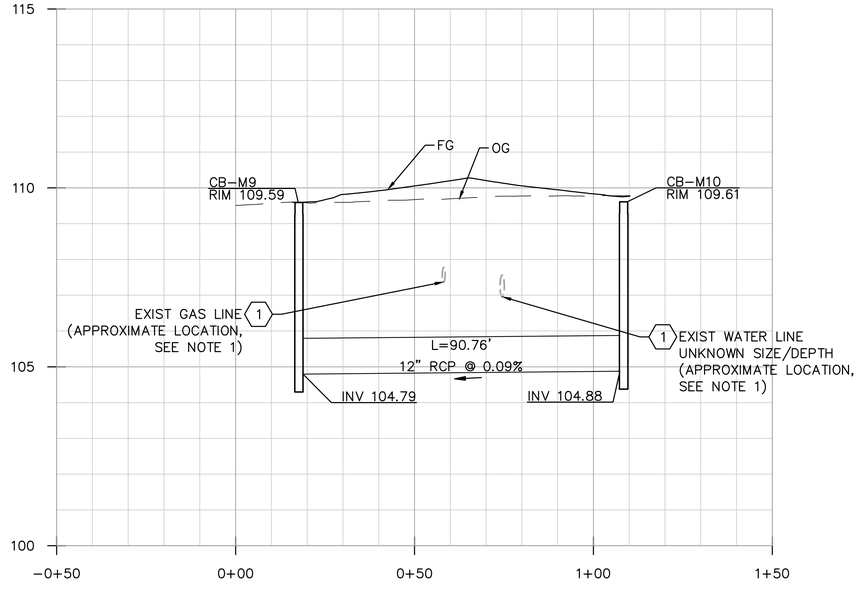
1" = 20'



PROFILE - INTERSECTION @ LINN COURT

BUBBLE UP - NORTH APPROACH

Horiz. 1"=20'
Vert. 1" = 2'



PROFILE - INTERSECTION @ LA DALIAS COURT

BUBBLE UP - NORTH APPROACH

Horiz. 1"=20'
Vert. 1" = 2'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD–05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S–3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S–5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD–05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD–1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

DRAINAGE PLAN
MIRA FLORES DRIVE

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

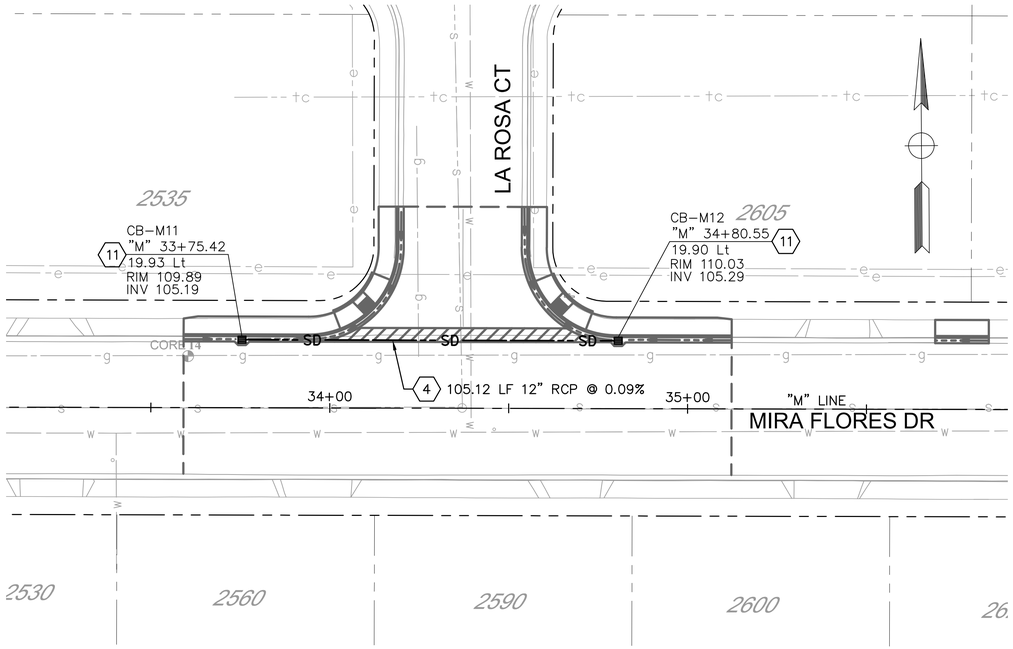
DRAWN BY: H. GHAFOURIAN	
REV. BY:	
CH. BY: S. ARAIN	
DATE: 10/28/2022	
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

DRAWING No. DU-13

SHEET: 58 OF 169

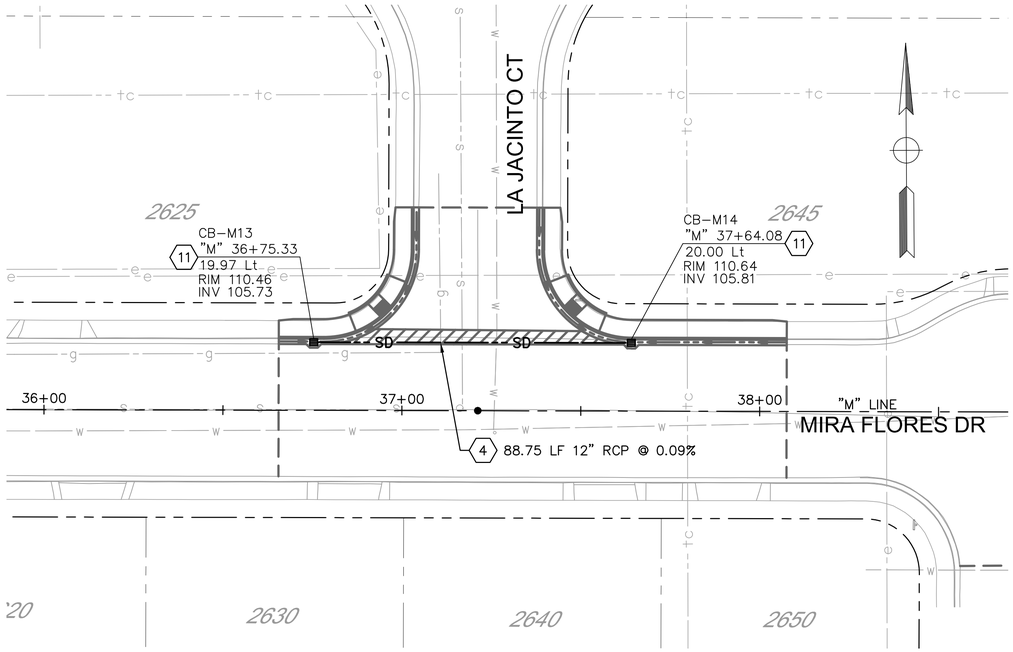
22–001–P1–06–DU–13.dwg

10/27/2022 7:08:53 PM



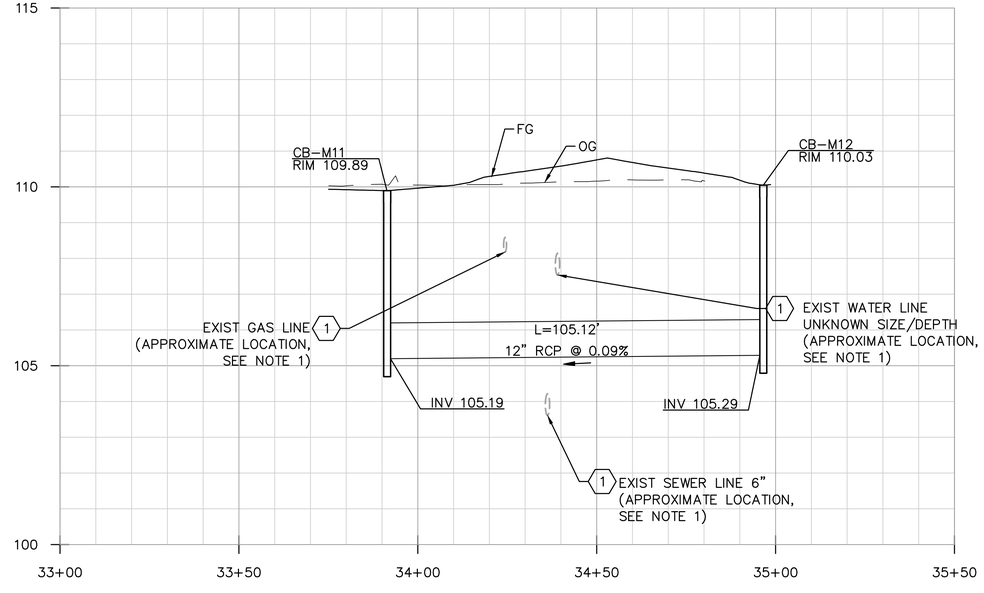
PLAN - INTERSECTION @ LA ROSA COURT

1" = 20'



PLAN - INTERSECTION @ LA JACINTO COURT

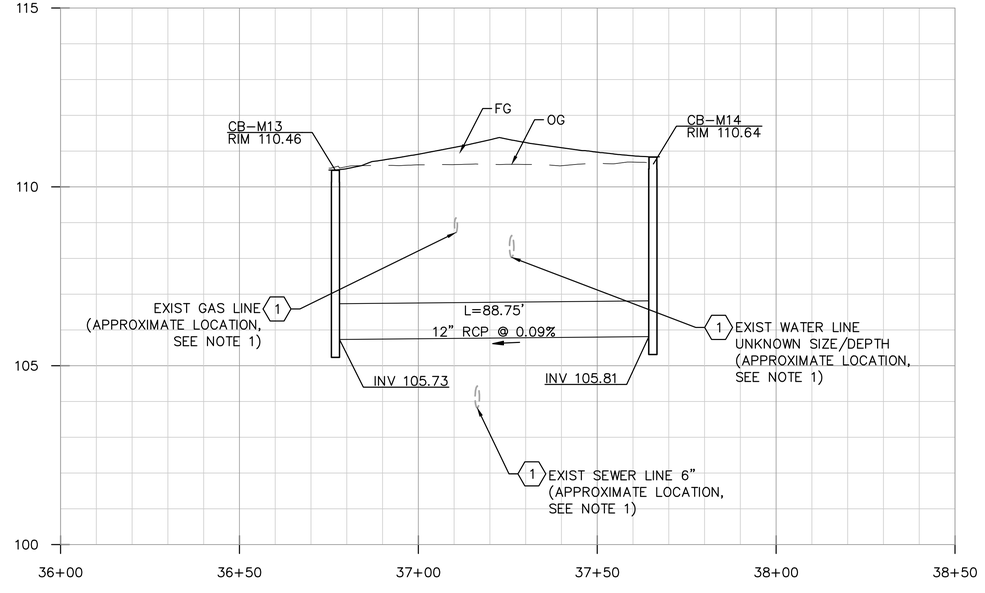
1" = 20'



PROFILE - INTERSECTION @ LA ROSA COURT

BUBBLE UP - NORTH APPROACH

Horiz. 1"=20'
Vert. 1" = 2'



PROFILE - INTERSECTION @ LA JACINTO COURT

BUBBLE UP - NORTH APPROACH

Horiz. 1"=20'
Vert. 1" = 2'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD–05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S–3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S–5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD–05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD–1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

DRAINAGE PLAN
MIRA FLORES DRIVE
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

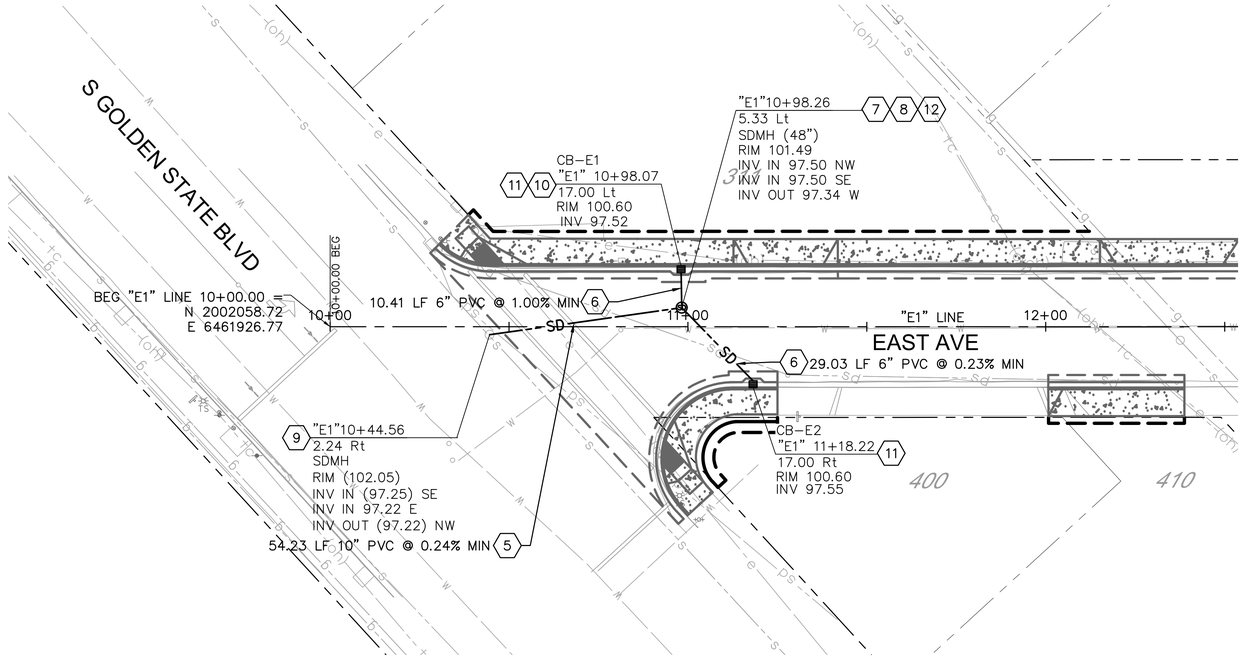
DRAWN BY:	H. GHAFOURIAN
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. DU-14

SHEET: 59 OF 169

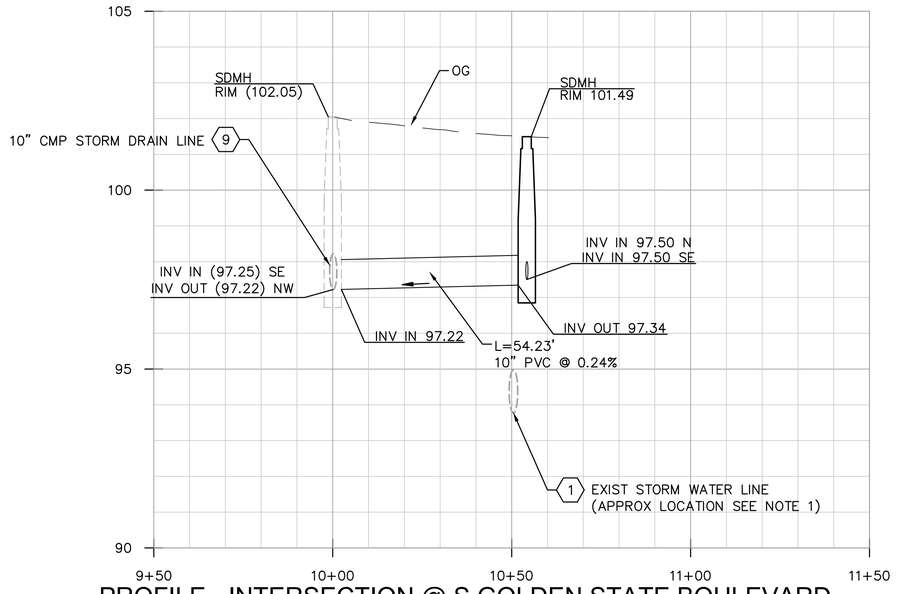
22–001–P1–06–DU–14.dwg

10/27/2022 7:10:14 PM



PLAN - INTERSECTION @ S GOLDEN STATE BOULEVARD

1" = 20'



PROFILE - INTERSECTION @ S GOLDEN STATE BOULEVARD

TIE -IN - E1, E2

Horiz. 1"=20'
Vert. 1" = 2'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD-05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU-24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S-3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S-5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD-05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD-1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU-24)

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

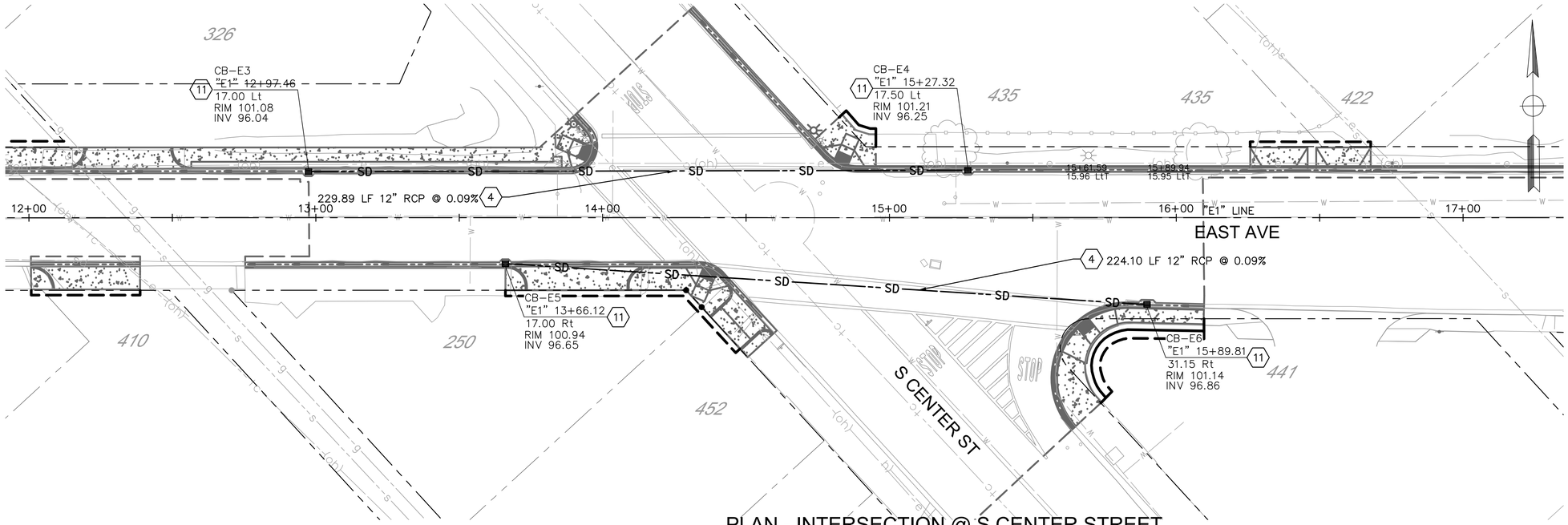
DRAINAGE PLAN
EAST AVENUE
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	R. GHARAIBEH
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

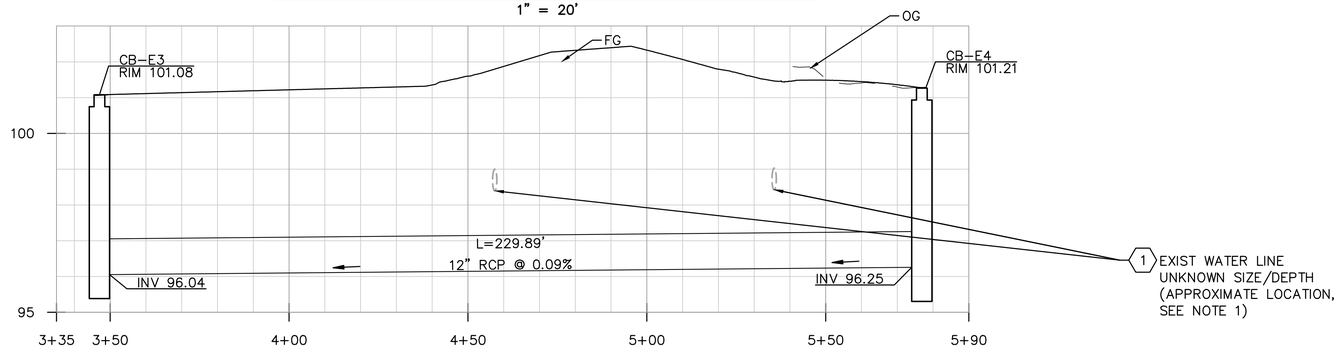
DRAWING No.
DU-15
SHEET:
60 OF 169

22-001-P1-06-DU-15.dwg
10/27/2022 7:11:05 PM

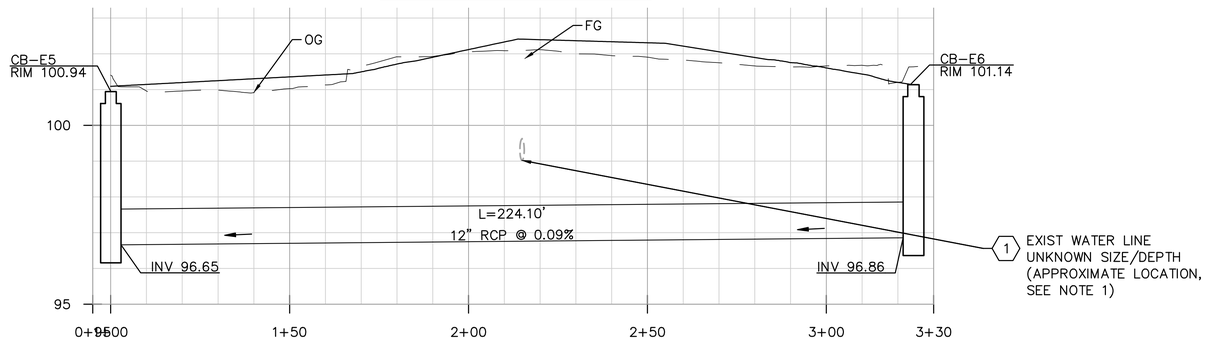


PLAN - INTERSECTION @ S CENTER STREET

1" = 20'



BUBBLE UP - NORTH APPROACH



PROFILE - INTERSECTION @ S CENTER STREET

BUBBLE UP - SOUTH APPROACH

Horiz. 1"=20'
Vert. 1" = 2'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD-05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU-24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S-3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S-5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD-05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD-1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU-24)

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

DRAINAGE PLAN
EAST AVENUE
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

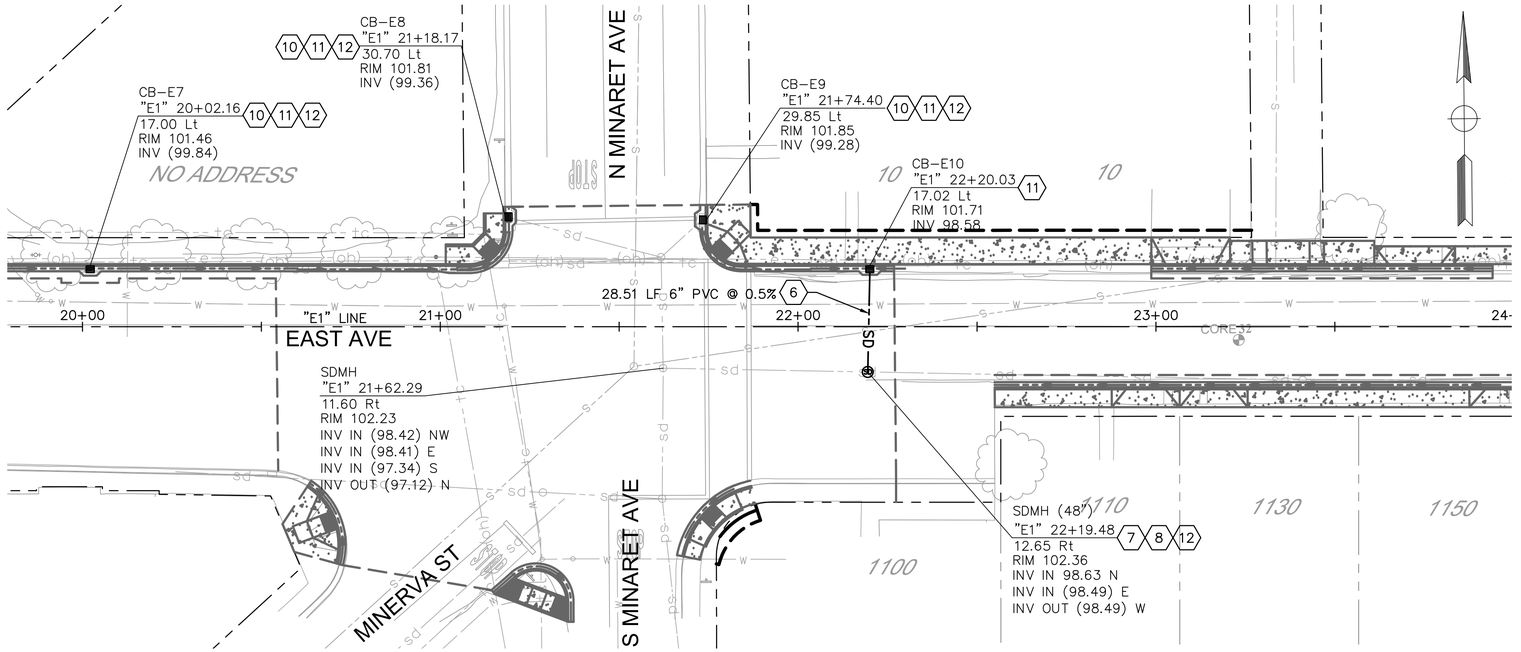
DRAWN BY:	R. GHARAIBEH
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. DU-16

SHEET: 61 OF 169

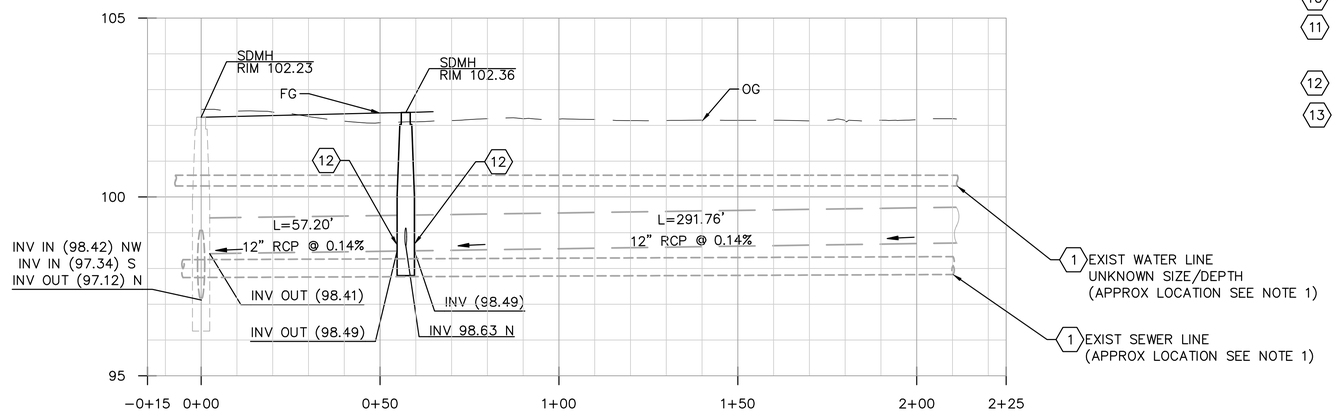
22-001-P1-06-DU-16.dwg

10/27/2022 7:11:53 PM



PLAN - INTERSECTION @ N MINARET AVENUE

1" = 20'



PROFILE - INTERSECTION @ N MINARET AVENUE

TIE - IN - E10

Horiz. 1"=20'
Vert. 1" = 2'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD–05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S–3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S–5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD–05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD–1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

DRAINAGE PLAN
EAST AVENUE
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

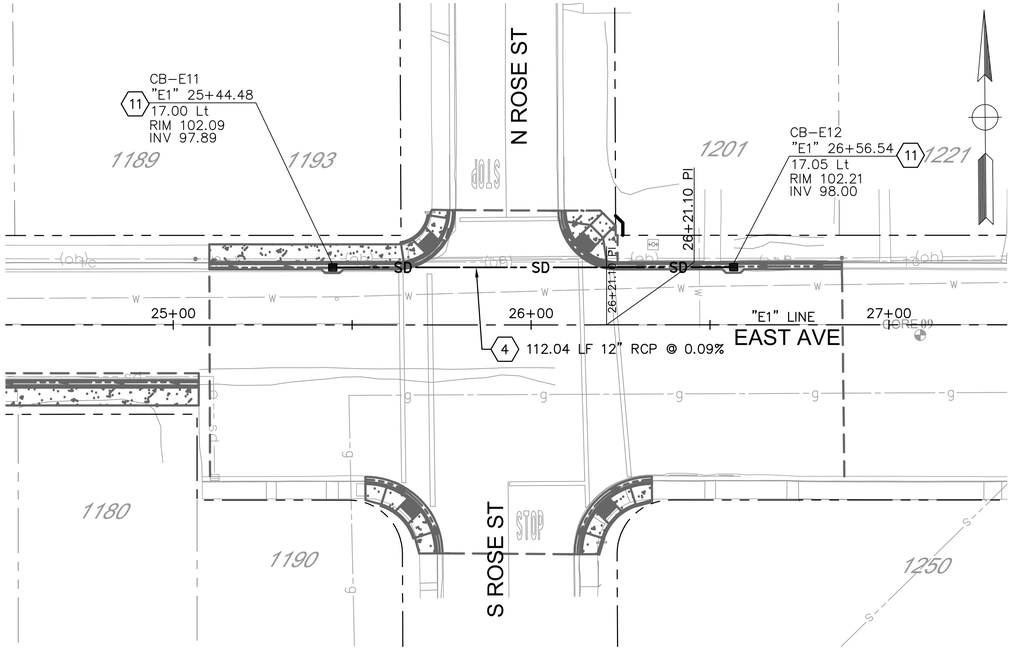
DRAWN BY:	R. GHARAIBEH
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. DU-17

SHEET: 62 OF 169

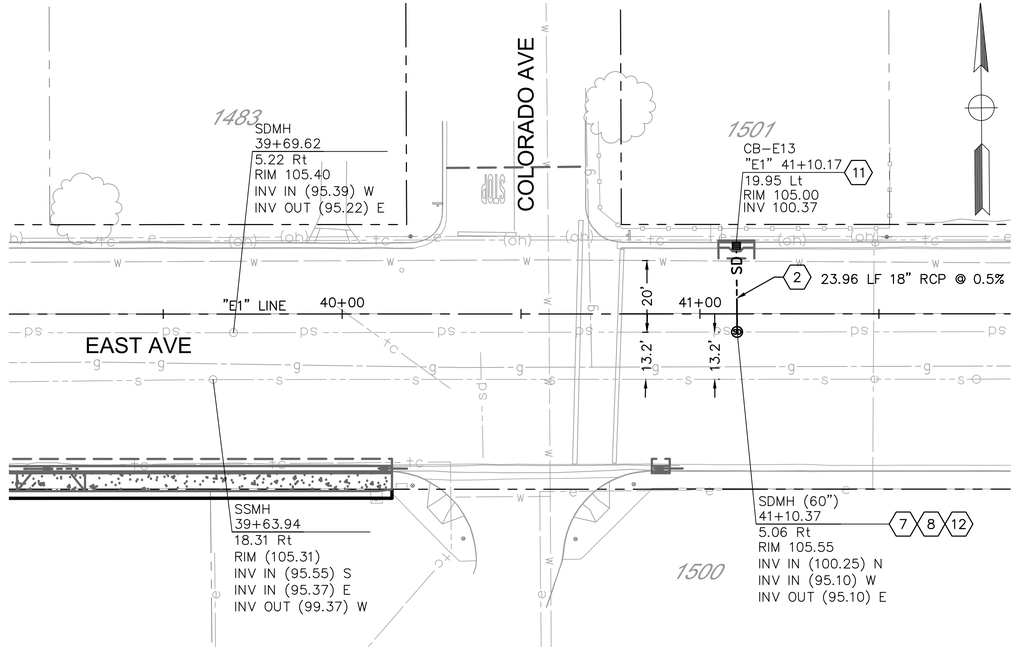
22-001-P1-06-DU-17.dwg

10/27/2022 7:12:43 PM



PLAN - INTERSECTION @ N ROSE STREET

1" = 20'



PLAN - INTERSECTION @ COLORADO AVENUE

1" = 20'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD–05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

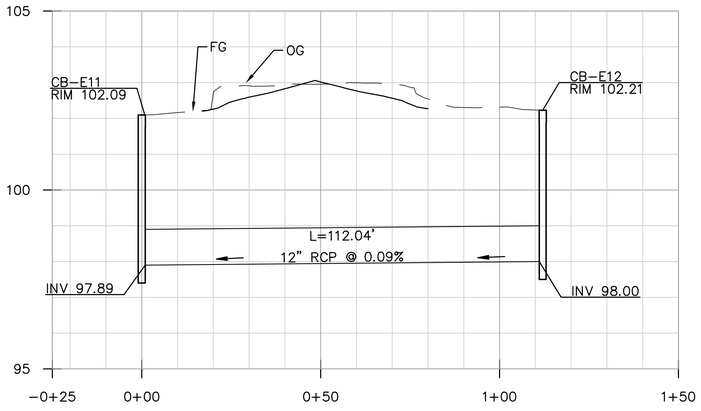
CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S–3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S–5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD–05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD–1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)

1 EXIST GAS LINE (APPROX LOCATION SEE NOTE 1)

1 EXIST WATER LINE UNKNOWN SIZE/DEPTH (APPROX LOCATION SEE NOTE 1)

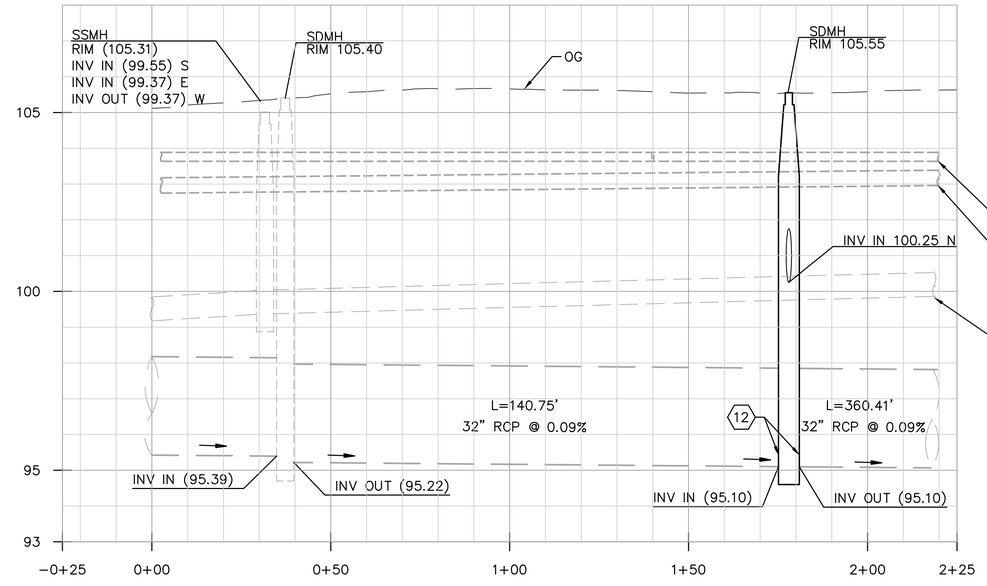
1 EXIST SEWER LINE 8" CLAY



PROFILE - INTERSECTION @ N ROSE STREET

BUBBLE UP - NORTH APPROACH

Horiz. 1"=20'
Vert. 1" = 2'



PROFILE - INTERSECTION @ COLORADO AVENUE

SD TIE IN - E13

Horiz. 1"=20'
Vert. 1" = 2'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

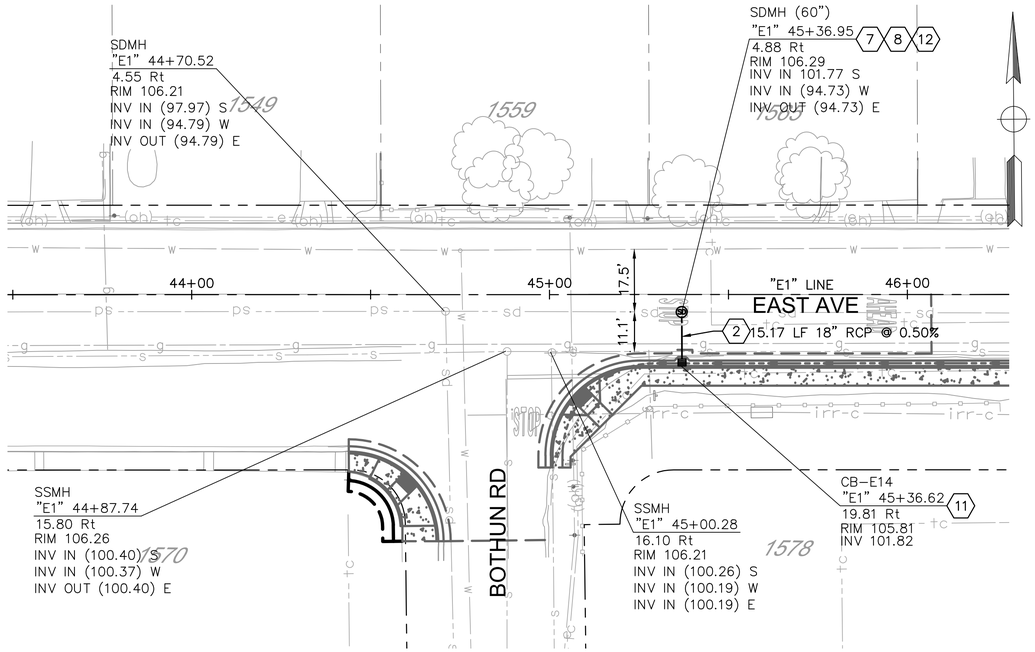
DRAINAGE PLAN
EAST AVENUE
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/2" 3/4" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	R. GHARAIBEH
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

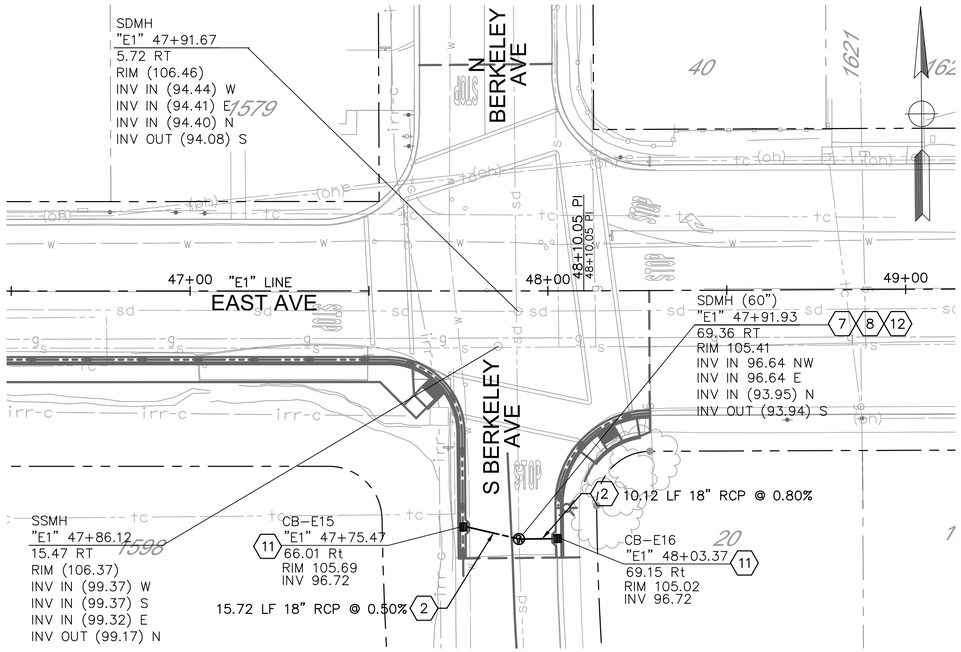
DRAWING No.
DU-18
SHEET:
63 OF 169

22-001-P1-06-DU-18.dwg
10/27/2022 7:14:03 PM



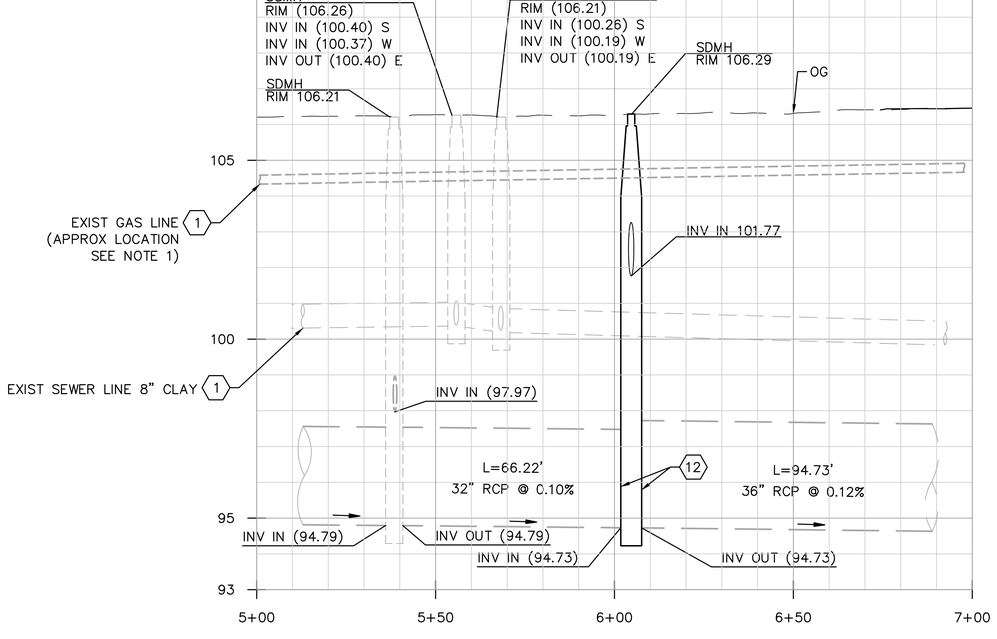
PLAN - INTERSECTION @ BOTHUN ROAD

1" = 20'



PLAN - INTERSECTION @ S BERKELEY AVE

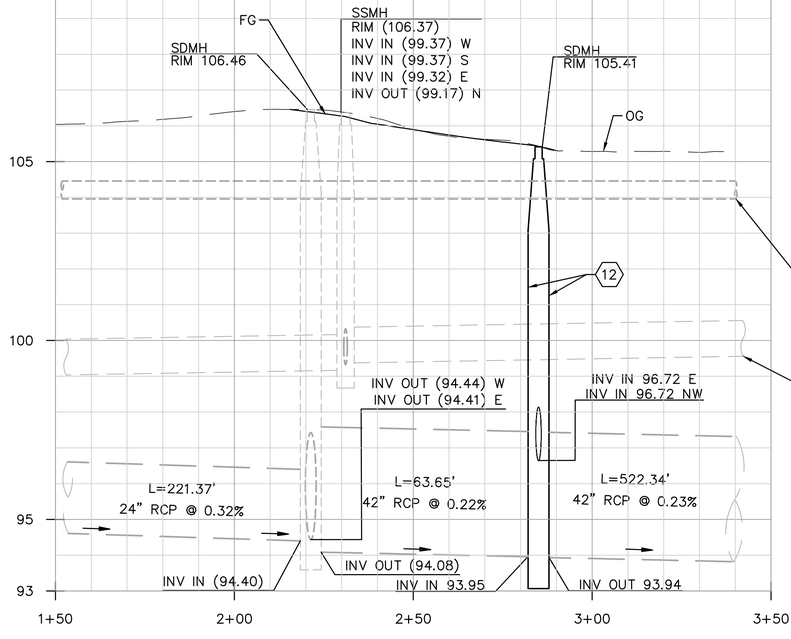
1" = 20'



PROFILE - INTERSECTION @ COLORADO AVENUE

TIE - IN - E12

Horiz. 1"=20'
Vert. 1" = 2'



PLAN - INTERSECTION @ S BERKELEY AVE

TIE - IN - SOUTH APPROACH

Horiz. 1"=20'
Vert. 1" = 2'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD-05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU-24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S-3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S-5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD-05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD-1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU-24)

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

DRAINAGE PLAN
EAST AVENUE
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

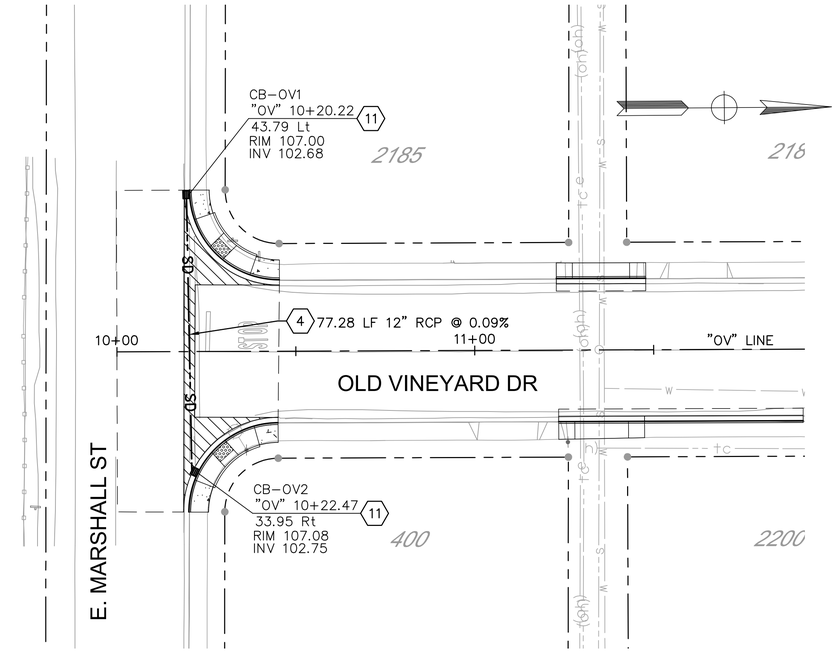
DRAWN BY:	R. GHARAIBEH
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. DU-19

SHEET: 64 OF 169

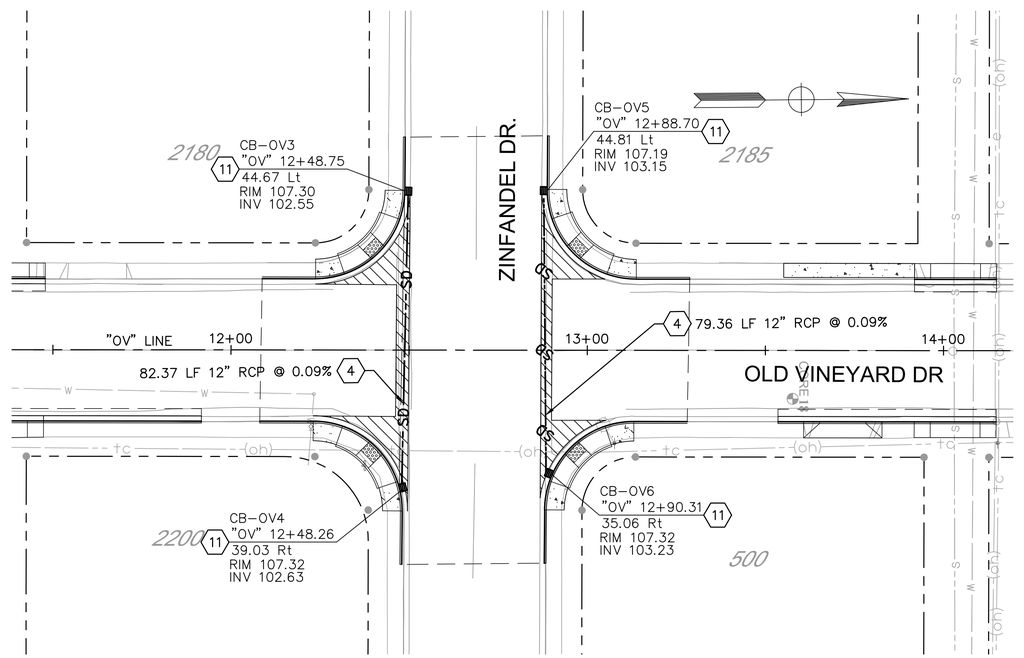
22-001-P1-06-DU-19.dwg

10/27/2022 7:15:23 PM



PLAN - INTERSECTION @ E. MARSHALL STREET

1" = 20'



PLAN - INTERSECTION @ ZINFANDEL ROAD

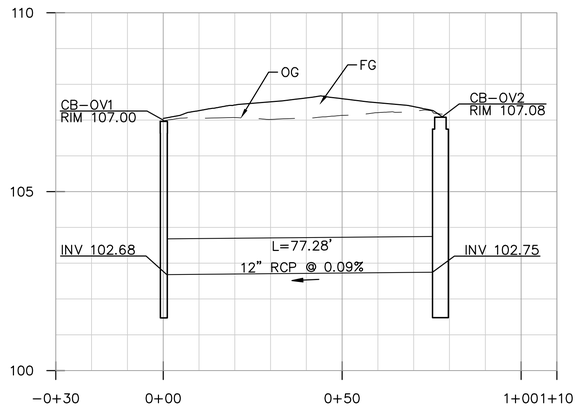
1" = 20'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD–05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

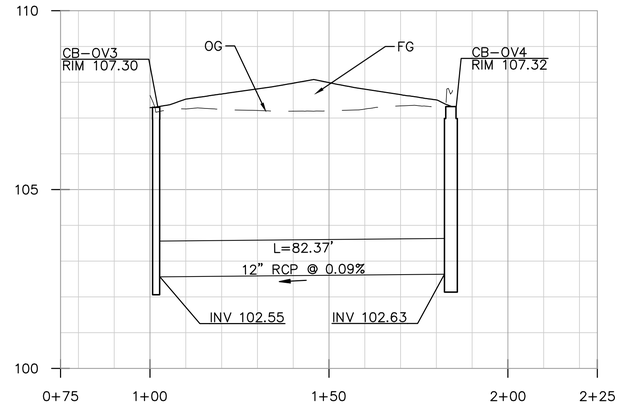
1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S–3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S–5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD–05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD–1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)



PROFILE - INTERSECTION @ E.MARSHALL STREET

BUBBLE UP - CB-OV1, CB-OV2

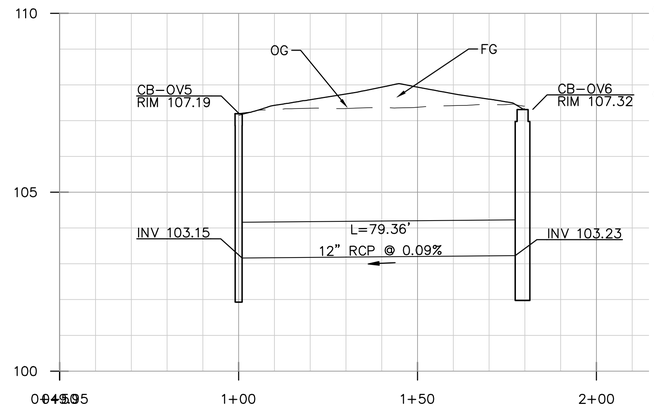
Horiz.1" = 20'
Vert. 1" = 2'



PROFILE - INTERSECTION @ ZINFANDEL ROAD

BUBBLE UP -SOUTH APPROACH

Horiz.1" = 20'
Vert. 1" = 2'



PROFILE - INTERSECTION @ ZINFANDEL ROAD

BUBBLE UP - NORTH APPROACH

Horiz.1" = 20'
Vert. 1" = 2'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

DRAINAGE PLAN
OLD VINEYARD ROAD
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

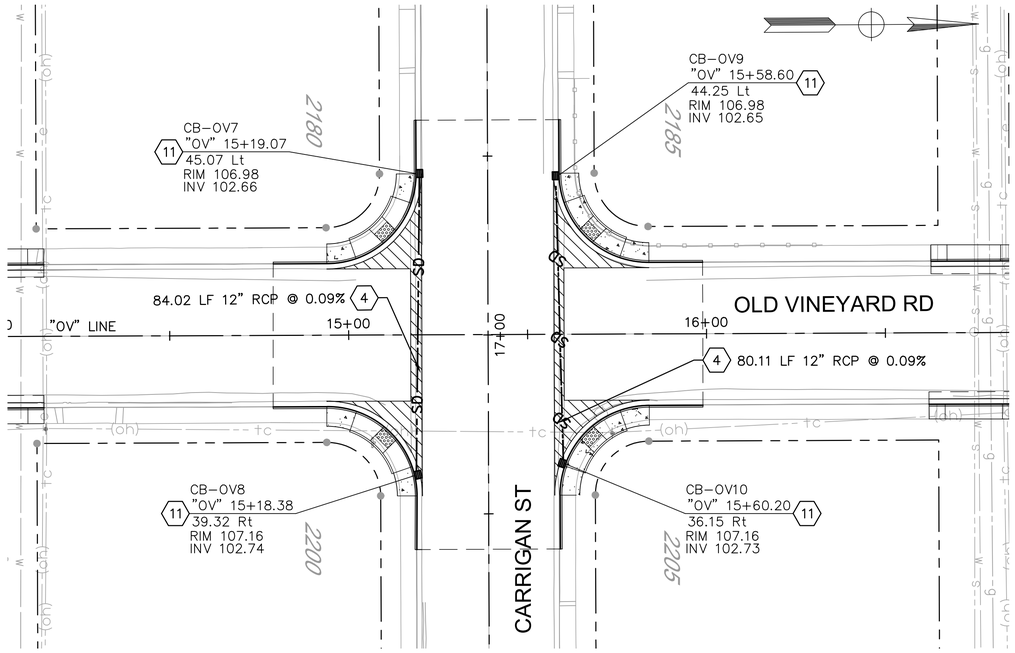
DRAWN BY: D. VAGHEFI	
REV. BY:	
CH. BY: S. ARAIN	
DATE: 10/28/2022	
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

DRAWING No. DU-20

SHEET: 65 OF 169

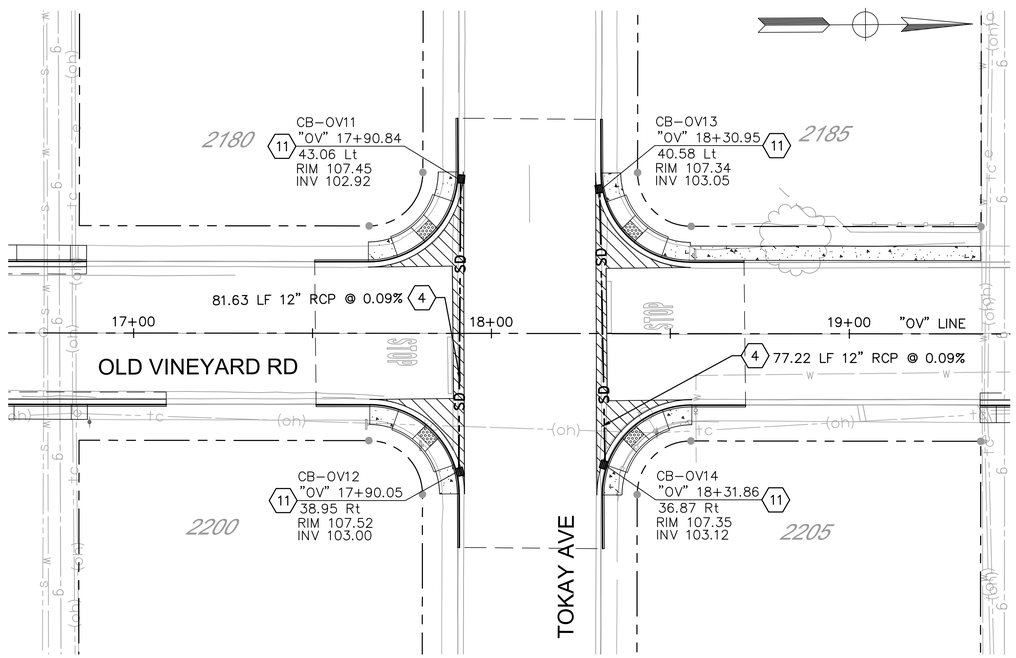
22-001-P1-06-DU-20.dwg

10/27/2022 7:16:42 PM



PLAN - INTERSECTION @ CARRIGAN STREET

1" = 20'



PLAN - INTERSECTION @ TOKAY AVENUE

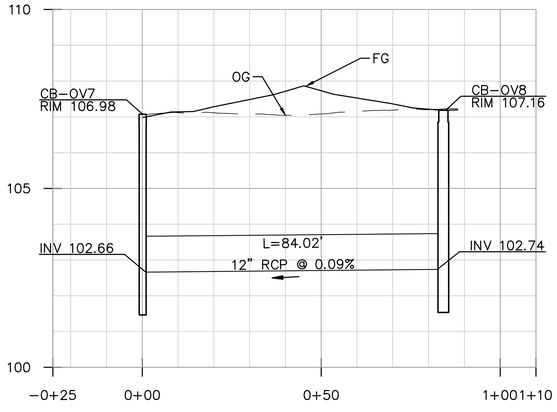
1" = 20'

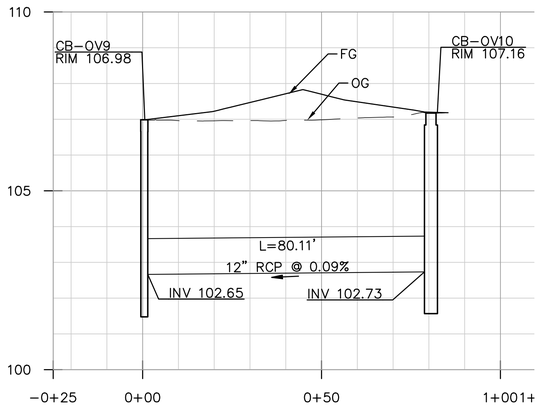
NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD–05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S–3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S–5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD–05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD–1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)





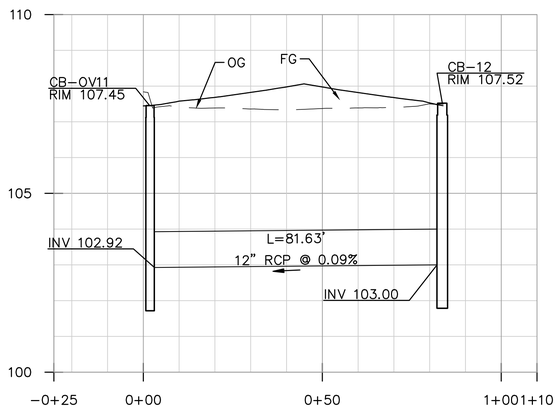
PROFILE - INTERSECTION @ CARRIGAN STREET

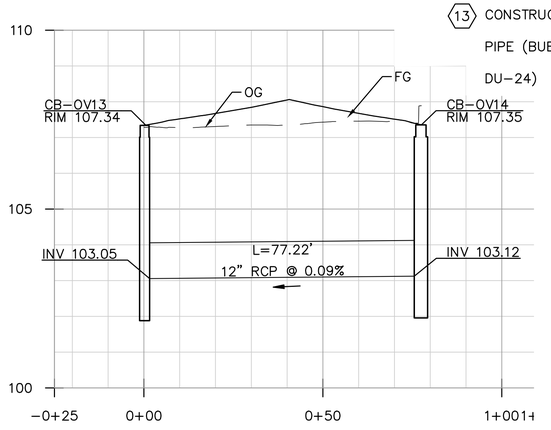
BUBBLE UP - SOUTH APPROACH

Horiz.1" = 20'
Vert. 1" = 2'

BUBBLE UP - NORTH APPROACH

Horiz.1" = 20'
Vert. 1" = 2'





PROFILE - INTERSECTION @ TOKAY AVENUE

BUBBLE UP - SOUTH APPROACH

Horiz.1" = 20'
Vert. 1" = 2'

BUBBLE UP - NORTH APPROACH

Horiz.1" = 20'
Vert. 1" = 2'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

DRAINAGE PLAN
OLD VINEYARD ROAD
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

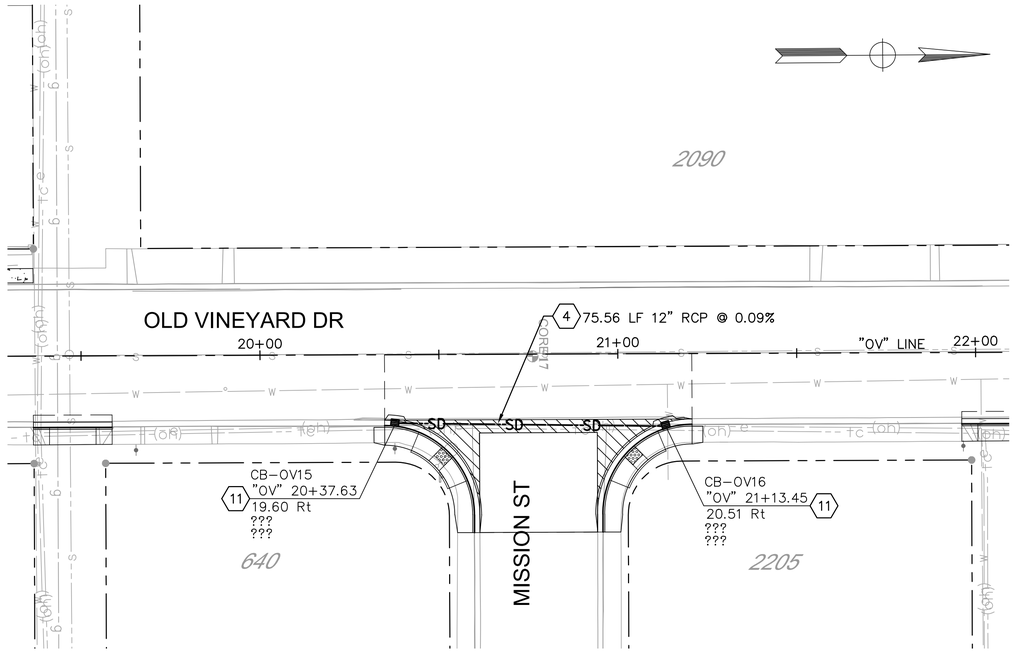
DRAWN BY:	D. VAGHEFI
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. DU-21

SHEET: 66 OF 169

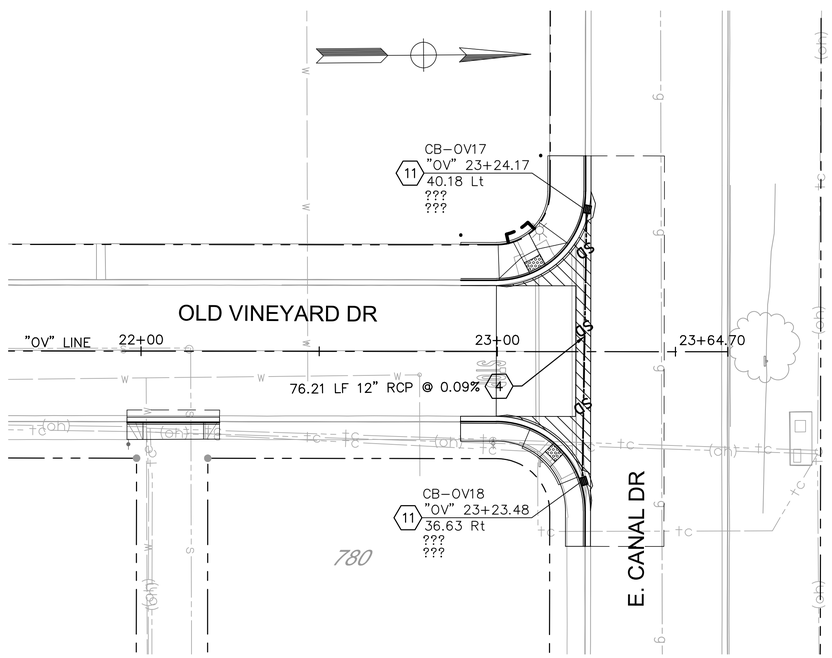
22-001-P1-06-DU-21.dwg

10/27/2022 7:18:10 PM



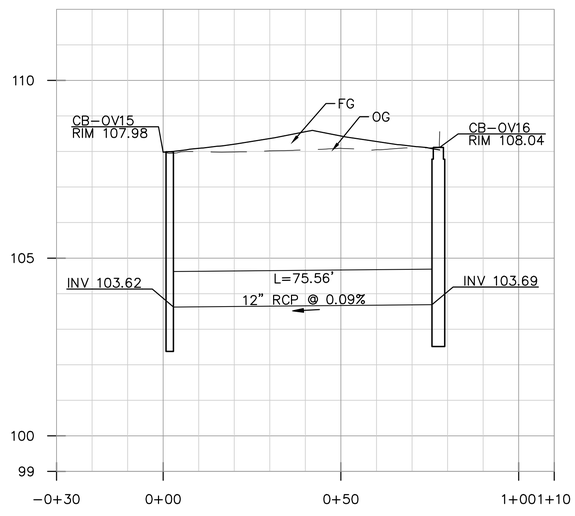
PLAN - INTERSECTION @ MISSION STREET

1" = 20'



PLAN - INTERSECTION @ E.CANAL ROAD

1" = 20'

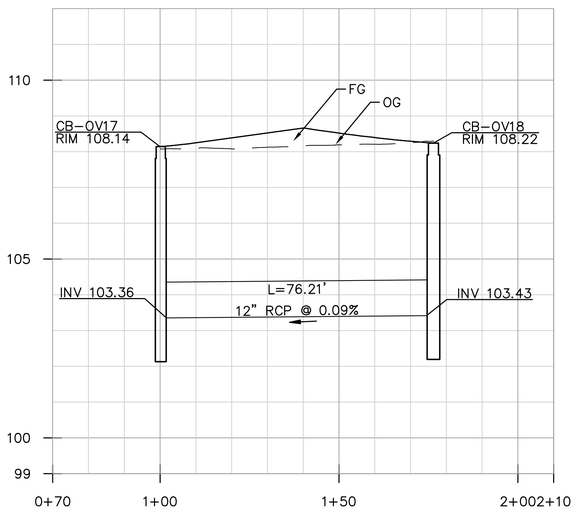


PROFILE - INTERSECTION @ MISSION STREET

BUBBLE UP - CB-OV15, CB-OV16

Horiz.1" = 20'

Vert. 1" = 2'



PROFILE - INTERSECTION @ E.CANAL ROAD

BUBBLE UP - CB-OV17, CB-OV18

Horiz.1" = 20'

Vert. 1" = 2'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD–05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. CONSTRUCT 18" REINFORCED CONCRETE PIPE
3. CONSTRUCT 12" REINFORCED CONCRETE PIPE
4. CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)
5. CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
6. CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
7. INSTALL MANHOLE PER CITY STD S–3.
8. INSTALL MANHOLE FRAME & COVER PER CITY STD S–5
9. TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD–05
10. REMOVE EXISTING CATCH BASIN
11. INSTALL CATCH BASIN PER CITY STD SD–1
12. TIE IN TO EXISTING STORM DRAIN LINE
13. CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU–24)

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

DRAINAGE PLAN
OLD VINEYARD ROAD
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

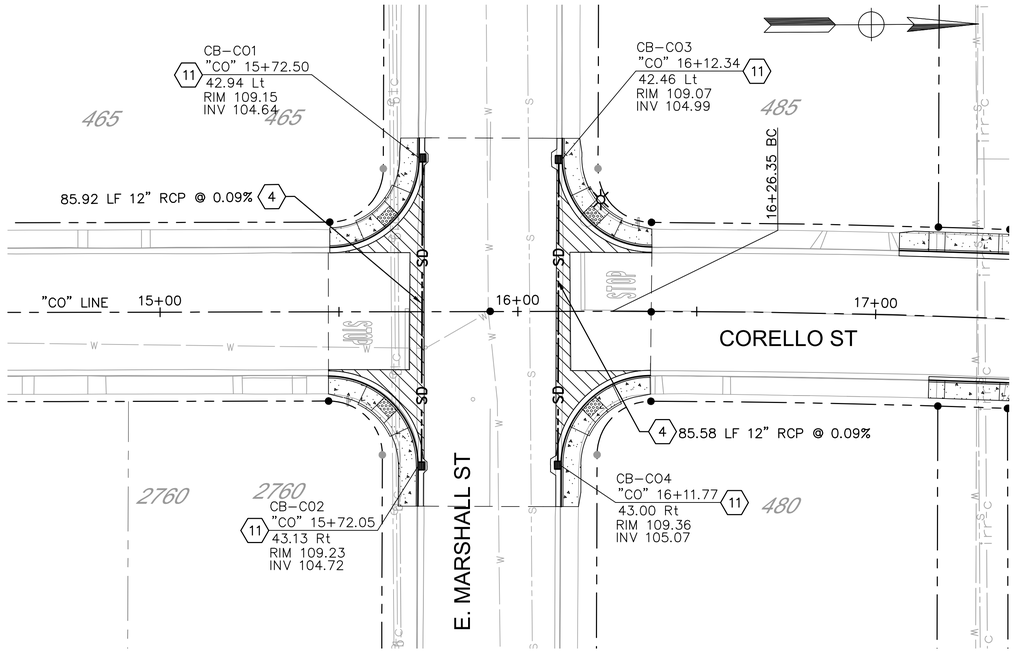
DRAWN BY:	D. VAGHEFI
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. DU-22

SHEET: 67 OF 169

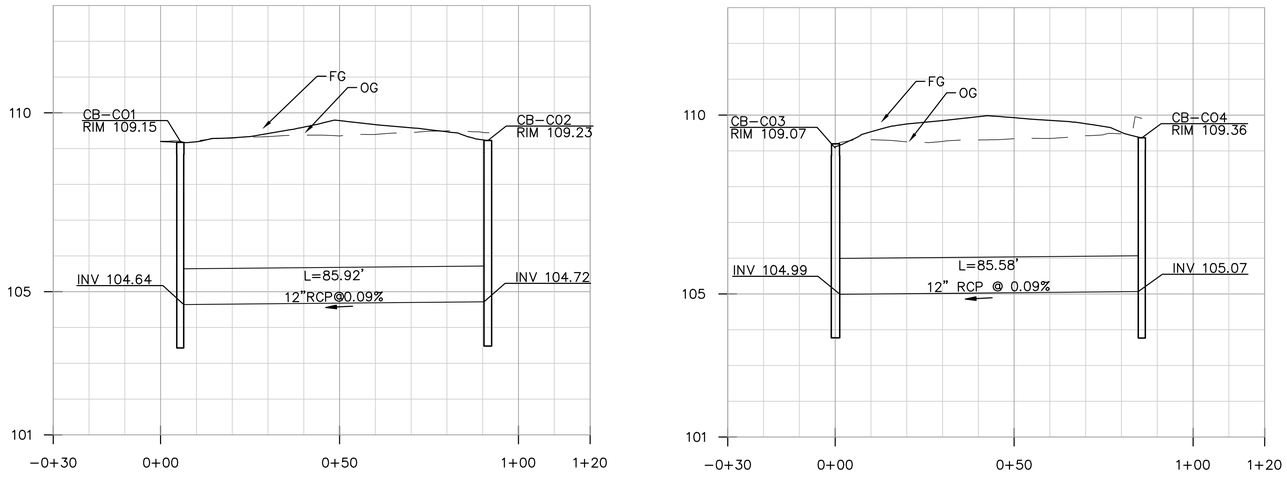
22–001–P1–06–DU–22.dwg

10/27/2022 7:19:21 PM



PLAN - INTERSECTION @ E.MARSHALL STREET

1" = 20'



PROFILE - INTERSECTION @ E.MARSHALL STREET

BUBBLE UP - SOUTH APPROACH

Horiz.1" = 20'
Vert. 1" = 2'

BUBBLE UP - NORTH APPROACH

Horiz.1" = 20'
Vert. 1" = 2'

NOTES:

1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 1' VERTICAL CLEARANCE BELOW EXISTING WATER LINES.
3. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
4. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
5. SEE CD-05 DETAIL 10 FOR STATION OFFSET CONTROL LOCATION

CONSTRUCTION NOTES:

(1) PROTECT IN PLACE
(2) CONSTRUCT 18" REINFORCED CONCRETE PIPE
(3) CONSTRUCT 12" REINFORCED CONCRETE PIPE
(4) CONSTRUCT 12" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU-24)
(5) CONSTRUCT 10" POLYVINYL CHLORIDE PIPE
(6) CONSTRUCT 6" POLYVINYL CHLORIDE PIPE
(7) INSTALL MANHOLE PER CITY STD S-3.
(8) INSTALL MANHOLE FRAME & COVER PER CITY STD S-5
(9) TIE IN TO EXISTING MANHOLE PER DETAIL 7, SEE SHEET CD-05
(10) REMOVE EXISTING CATCH BASIN
(11) INSTALL CATCH BASIN PER CITY STD SD-1
(12) TIE IN TO EXISTING STORM DRAIN LINE
(13) CONSTRUCT 18" REINFORCED CONCRETE PIPE (BUBBLE UP SYSTEM, SEE SHEET DU-24)

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

DRAINAGE PLAN
CORELLO STREET
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

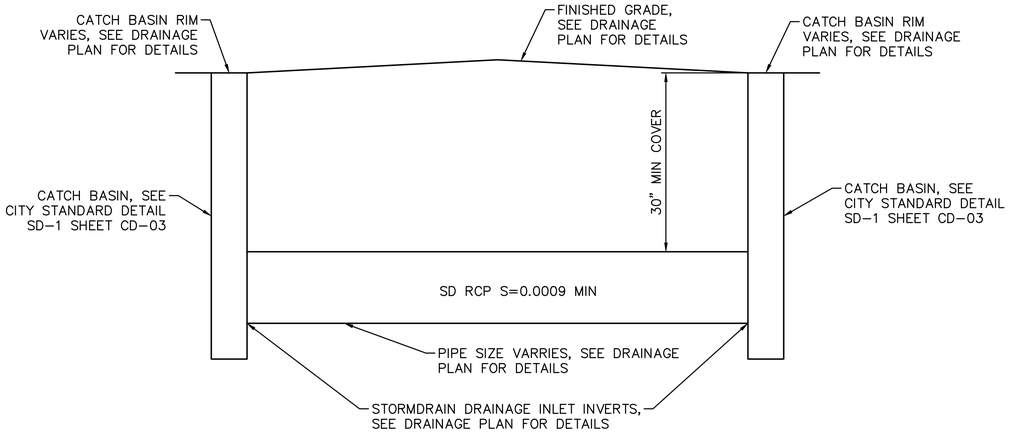
DRAWN BY:	D. VAGHEFI
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. DU-23

SHEET: 68 OF 169

22-001-P1-06-DU-23.dwg

10/27/2022 7:20:14 PM



NOTES:
1. CONTRACTOR SHALL VERIFY THE ACTUAL DEPTH AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES WHICH MAY CONFLICT WITH PROPOSED UNDERGROUND STORM DRAIN SYSTEMS OR ANY WORK ASSOCIATED WITH THIS CONTRACT.
2. PROPOSED STORMDRAIN PIPE MUST MAINTAIN A MINIMUM OF 12" OUTSIDE DIAMETER CLEARANCE FROM ALL EXISTING UTILITIES.
3. IF CONFLICT ARISES WITH EXISTING UTILITIES, CONTRACTOR SHALL PROVIDE REVISED INVERTS FOR STORMDRAIN PIPE TO CITY FOR APPROVAL.

BUBBLE UP SYSTEM
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

DRAINAGE DETAILS

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

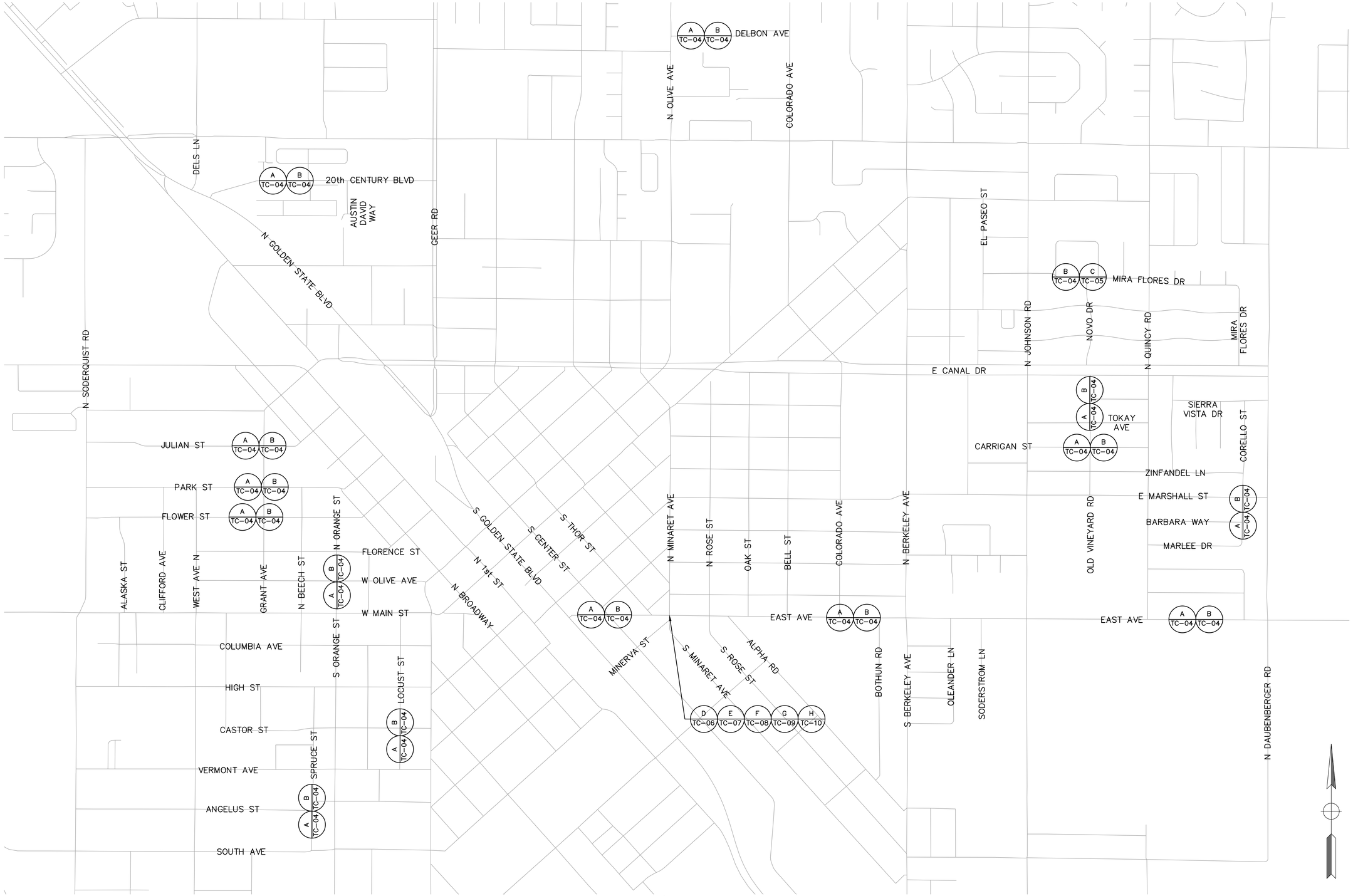
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 — 1/4" — 1/2" — 3/4" — 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	R. GHARAIBEH
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. DU-24

SHEET: 69 OF 169

22-001-P1-06-DU-24.dwg
10/27/2022 7:20:28 PM



PLAN
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC CONTROL KEY MAP

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. TC-01

SHEET: 70 OF 169

22-001-P1-07-TC-01.dwg
10/26/2022 4:39:22 PM

TRAFFIC CONTROL GENERAL NOTES:

1. VALIDATION: THE TRAFFIC CONTROL PLAN IS NOT VALID UNTIL WORK DATES ARE APPROVED. THE CONTRACTOR SHALL, PER SECTION 601-2 OF THE CITY SUPPLEMENT TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CONTACT THE PUBLIC WORKS TRAFFIC CONTROL SECTION AT (209) 668-5590 TO OBTAIN A PERMIT. THE CONTRACTOR MUST SUBMIT A COMPLETED TRAFFIC CONTROL PERMIT FORM A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, OR FIVE (5) WORKING DAYS WHEN WORK WILL AFFECT A TRAFFIC SIGNAL.

2. STANDARDS: THIS TRAFFIC CONTROL PLAN SHALL CONFORM TO EACH OF THE FOLLOWING MANUALS:

EDITION	DESCRIPTION
2016	CITY OF TURLOCK STANDARD SPECIFICATIONS AND DRAWINGS
2018	CALTRANS STANDARD PLANS
2014	CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD)

3. NOTIFICATIONS: THE CONTRACTOR SHALL NOTIFY RELEVANT AGENCIES A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION, CONSTRUCTION, OR TRAFFIC CONTROL.

4. THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS AND TENANTS A MINIMUM OF SEVEN (7) WORKING DAYS PRIOR TO CLOSURE OF DRIVEWAYS. THE CONTRACTOR SHALL POST SIGNS NOTIFYING THE PUBLIC A MINIMUM OF SEVEN (7) WORKING DAYS PRIOR TO CLOSURE OF STREETS.

5. POSTING PARKING RESTRICTIONS: THE CONTRACTOR SHALL POST "TOW-AWAY/NO PARKING" SIGNS SEVENTY TWO (72) HOURS IN ADVANCE OF PARKING REMOVAL. SIGNS SHALL INDICATE SPECIFIC DAYS, DATES, AND TIMES OF RESTRICTIONS.

6. EXCAVATIONS: EXCEPT AS OTHERWISE SHOWN ON THE PLANS, TRENCHES SHALL BE BACKFILLED OR TRENCH-PLATED AT THE END OF EACH WORK DAY. AN ASPHALT RAMP SHALL BE PLACED AROUND EACH TRENCH PLATE TO PREVENT THE PLATE FROM BEING DISLODGED. CONTRACTOR SHALL MONITOR TRENCH PLATES DURING NON-WORKING HOURS TO ENSURE THAT THEY DO NOT BECOME DISLODGED. UPON COMPLETION OF EXCAVATION BACKFILL, THE CONTRACTOR SHALL PROVIDE A SATISFACTORY SURFACE FOR TRAFFIC. WHEN CONSTRUCTION OPERATIONS ARE NOT ACTIVELY IN PROGRESS, THE CONTRACTOR SHALL MAINTAIN ALL TRAVEL LANES, BIKE LANES, AND PEDESTRIAN WALKWAYS OPEN TO THE APPROPRIATE TRAFFIC EXCEPT AS OTHERWISE SHOWN ON THE PLANS.

7. RESTORATION OF TRAFFIC CONTROL DEVICES: THE CONTRACTOR SHALL REPAIR OR REPLACE TRAFFIC CONTROL DEVICES (INCLUDING TRAFFIC SIGNS, STRIPING, PAVEMENT MARKERS, PAVEMENT MARKINGS, LEGENDS, CURB MARKINGS, LOOP DETECTORS, TRAFFIC SIGNAL EQUIPMENT, ETC.) DAMAGED OR REMOVED AS A RESULT OF OPERATIONS AND NOT DESIGNATED FOR REMOVAL. REPAIRS AND REPLACEMENTS SHALL BE AT LEAST EQUAL TO EXISTING IMPROVEMENT.

8. TEMPORARY TRAFFIC SIGNAL DETECTION: THE CONTRACTOR SHALL INSTALL CITY APPROVED TEMPORARY VIDEO OR RADAR DETECTION WHEN EXISTING TRAFFIC SIGNAL DETECTION SYSTEMS ARE DAMAGED, DISABLED, OR BECOME INEFFECTIVE DUE TO CONSTRUCTION FOR A PERIOD OF FIVE (5) OR MORE DAYS. THE CONTRACTOR SHALL COMPLETELY REMOVE ALL TEMPORARY TRAFFIC SIGNAL DETECTION EQUIPMENT AND RESTORE/INSTALL A CITY APPROVED PERMANENT VEHICLE DETECTION SYSTEM UPON COMPLETION OF CONSTRUCTION. ALL INSTALLATION AND REMOVALS ARE SUBJECT TO APPROVAL BY THE CITY ENGINEER.

9. CHANGE IN WORK: THE CITY ENGINEER WILL OBSERVE THESE TRAFFIC CONTROL PLANS IN OPERATION AND RESERVE THE RIGHT TO MAKE ANY CHANGES AS FIELD CONDITIONS WARRANT. ANY CHANGES SHALL BE DOCUMENTED AND SUPERCEDE THESE PLANS.

10. OPEN TRENCH: THE CONTRACTOR SHALL PLACE "OPEN TRENCH" SIGNS (C27(CA)) ON TYPE III BARRICADES WITHIN THE WORK ZONE, AHEAD OF ANY WORK AREA WHICH INCLUDES OPEN TRENCHES IN EXCESS OF THREE (3) INCHES IN DEPTH, PER CA MUTCD SECTION 6F.103 (CA) GUIDELINES.

11. FOR WORK NOT COVERED BY THESE TRAFFIC CONTROL PLANS: THE CONTRACTOR SHALL PREPARE TRAFFIC CONTROL WORKING DRAWINGS AND SUBMIT THEM TO THE CITY RESIDENT ENGINEER. THE CONTRACTOR SHALL ALLOW A MINIMUM OF TWENTY (20) WORKING DAYS FOR REVIEW OF THE WORKING DRAWINGS. UPON APPROVAL OF THE TRAFFIC CONTROL PLAN, THE PUBLIC WORKS TRAFFIC CONTROL SECTION WILL ISSUE A TRAFFIC CONTROL PLAN (TCP) PERMIT FOR THIS WORK.

12. CONTRACTOR SHALL INSTALL UNEVEN PAVEMENT SIGNS C46 (CA) ALONG THE EDGE OF AREAS WHERE A STEP OF GREATER THAN 2" EXISTS WHETHER PARALLEL OR PERPENDICULAR TO THE DIRECTION OF TRAVEL.

13. CONTRACTOR HAS THE OPTION TO WORK AT MULTIPLE LOCATIONS CONCURRENTLY. ADJACENT BLOCKS SHALL NOT BE REDUCED TO ONE-WAY TRAFFIC AT THE SAME TIME.

TABLE 6H-3
MEANING OF LETTER CODES ON TYPICAL APPLICATION DIAGRAMS

ROAD TYPE	DISTANCE BETWEEN SIGNS **		
	A	B	C
URBAN (LOW SPEED) *	100 FEET	100 FEET	100 FEET
URBAN (HIGH SPEED) *	350 FEET	350 FEET	350 FEET
RURAL	500 FEET	500 FEET	500 FEET
EXPRESSWAY / FREEWAY	1000 FEET	1500 FEET	2640 FEET

* SPEED CATEGORY TO BE DETERMINED BY HIGHWAY AGENCY.

** THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION ON THE FIRST SIGN. THE B DISTANCE IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS. THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. (THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES THAT IS CLOSEST TO THE TTC ZONE. THE "THIRD SING" IS THE SIGN THAT IS FURTHEST UPSTREAM FROM THE TTC ZONE.)

SEQUENCE OF CONSTRUCTION NOTES:

JULIAN STREET

STAGE 1
1. IMPLEMENT DETOUR PLAN PER TD-01.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL A, TC-04 FOR THE BLOCK OF JULIAN STREET FROM N SODERQUEST ROAD TO GRANT AVENUE.
3. CONSTRUCT THE NORTH HALF OF JULIAN STREET BETWEEN N SODERQUEST ROAD AND GRANT AVENUE.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE NORTH HALF OF JULIAN STREET FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE NORTH HALF OF JULIAN STREET BETWEEN N SODERQUEST ROAD AND N 1ST/ STREET IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES AND CONTINUE TO STAGE 2.

STAGE 2
1. IMPLEMENT DETOUR PLAN PER TD-02.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL B, TC-04 FOR THE BLOCK OF JULIAN STREET FROM N SODERQUEST ROAD TO GRANT AVENUE.
3. CONSTRUCT THE SOUTH HALF OF JULIAN STREET BETWEEN N SODERQUEST ROAD AND GRANT AVENUE.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE SOUTH HALF OF JULIAN STREET FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE SOUTH HALF OF JULIAN STREET BETWEEN N SODERQUEST ROAD AND N 1ST/ STREET IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES.

PARK STREET

STAGE 1
1. IMPLEMENT DETOUR PLAN PER TD-03.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL A, TC-04 FOR THE BLOCK OF PARK STREET FROM N SODERQUEST ROAD TO GRANT AVENUE.
3. CONSTRUCT THE NORTH HALF OF PARK STREET BETWEEN N SODERQUEST ROAD AND GRANT AVENUE.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE NORTH HALF OF PARK STREET FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE NORTH HALF OF PARK STREET BETWEEN N SODERQUEST ROAD AND N 1ST/ STREET IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES AND CONTINUE TO STAGE 2.

STAGE 2
1. IMPLEMENT DETOUR PLAN PER TD-04.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL B, TC-04 FOR THE BLOCK OF PARK STREET FROM N SODERQUEST ROAD TO CLIFFORD AVENUE.
3. CONSTRUCT THE SOUTH HALF OF PARK STREET BETWEEN N SODERQUEST ROAD AND CLIFFORD AVENUE.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE SOUTH HALF OF JULIAN STREET FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE SOUTH HALF OF PARK STREET BETWEEN N SODERQUEST ROAD AND N 1ST/ STREET IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES.

FLOWER STREET

STAGE 1
1. IMPLEMENT DETOUR PLAN PER TD-05.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL A, TC-04 FOR THE BLOCK OF FLOWER STREET FROM N SODERQUEST ROAD TO CLIFFORD AVENUE.
3. CONSTRUCT THE NORTH HALF OF FLOWER STREET BETWEEN N SODERQUEST ROAD AND CLIFFORD AVENUE.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE NORTH HALF OF FLOWER STREET FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE NORTH HALF OF FLOWER STREET BETWEEN N SODERQUEST ROAD AND N 1ST/ STREET IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES AND CONTINUE TO STAGE 2.

STAGE 2
1. IMPLEMENT DETOUR PLAN PER TD-06.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL B, TC-04 FOR THE BLOCK OF FLOWER STREET FROM N SODERQUEST ROAD TO ALASKA STREET.
3. CONSTRUCT THE SOUTH HALF OF FLOWER STREET BETWEEN N SODERQUEST ROAD AND ALASKA STREET.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE SOUTH HALF OF FLOWER STREET FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE SOUTH HALF OF FLOWER STREET BETWEEN N SODERQUEST ROAD AND N 1ST/ STREET IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES.

SPRUCE STREET

STAGE 1
1. IMPLEMENT DETOUR PLAN PER TD-07.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL A, TC-04 FOR THE BLOCK OF SPRUCE STREET FROM SOUTH AVENUE TO ANGELUS STREET.
3. CONSTRUCT THE NORTH HALF OF SPRUCE STREET BETWEEN SOUTH AVENUE AND ANGELUS STREET.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE NORTH HALF OF SPRUCE STREET FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE NORTH HALF OF SPRUCE STREET BETWEEN SOUTH AVENUE AND HIGH STREET IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES AND CONTINUE TO STAGE 2.

STAGE 2
1. IMPLEMENT DETOUR PLAN PER TD-08.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL B, TC-04 FOR THE BLOCK OF SPRUCE STREET FROM SOUTH AVENUE TO ANGELUS STREET.
3. CONSTRUCT THE SOUTH HALF OF SPRUCE STREET BETWEEN SOUTH AVENUE AND ANGELUS STREET.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE SOUTH HALF OF SPRUCE STREET FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE SOUTH HALF OF SPRUCE STREET BETWEEN SOUTH AVENUE AND HIGH STREET IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES.

N ORANGE STREET

STAGE 1
1. IMPLEMENT DETOUR PLAN PER TD-09.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL A, TC-04 FOR THE BLOCK OF N ORANGE STREET FROM W MAIN STREET TO W OLIVE AVENUE.
3. CONSTRUCT THE WEST HALF OF N ORANGE STREET BETWEEN W MAIN STREET AND W OLIVE AVENUE.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE WEST HALF OF N ORANGE STREET FOR THE NEXT BLOCK TO THE NORTH OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE WEST HALF OF N ORANGE STREET BETWEEN W MAIN STREET AND FLOWER STREET IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES AND CONTINUE TO STAGE 2.

STAGE 2
1. IMPLEMENT DETOUR PLAN PER TD-09.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL B, TC-04 FOR THE BLOCK OF N ORANGE STREET FROM W MAIN STREET TO W OLIVE AVENUE.
3. CONSTRUCT THE EAST HALF OF N ORANGE STREET BETWEEN W MAIN STREET AND W OLIVE AVENUE.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE EAST HALF OF N ORANGE STREET FOR THE NEXT BLOCK TO THE NORTH OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE EAST HALF OF N ORANGE STREET BETWEEN W MAIN STREET AND FLOWER STREET IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES.

LOCUST STREET

STAGE 1
1. IMPLEMENT DETOUR PLAN PER TD-10.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL A, TC-04 FOR THE BLOCK OF LOCUST STREET FROM VERMONT AVENUE TO CASTOR STREET.
3. CONSTRUCT THE NORTH HALF OF LOCUST STREET BETWEEN VERMONT AVENUE AND CASTOR STREET.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE NORTH HALF OF LOCUST STREET FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE NORTH HALF OF LOCUST STREET BETWEEN VERMONT AVENUE AND W MAIN STREET IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES AND CONTINUE TO STAGE 2.

STAGE 2
1. IMPLEMENT DETOUR PLAN PER TD-11.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL B, TC-04 FOR THE BLOCK OF LOCUST STREET FROM VERMONT AVENUE TO CASTOR STREET.
3. CONSTRUCT THE SOUTH HALF OF LOCUST STREET BETWEEN VERMONT AVENUE AND CASTOR STREET.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE SOUTH HALF OF LOCUST STREET FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE SOUTH HALF OF LOCUST STREET BETWEEN VERMONT AVENUE AND W MAIN STREET IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAD MARTINELL No. C74650 Exp. 12/31/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908
CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC CONTROL NOTES

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY: R. LIM	
REV. BY:	
CH. BY: C. MARTINELL	
DATE: 10/28/2022	
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

DRAWING No. TC-02

SHEET: 71 OF 169

22-001-P1-07-TC-02.dwg

10/26/2022 4:39:26 PM

SEQUENCE OF CONSTRUCTION NOTES:

20TH CENTURY BOULEVARD

STAGE 1
1. IMPLEMENT DETOUR PLAN PER TD–12.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL A, TC–04 FOR THE BLOCK OF 20TH/ CENTURY BOULEVARD FROM N GOLDEN STATE BOULEVARD TO GEER ROAD.
3. CONSTRUCT THE NORTH HALF OF 20TH/ CENTURY BOULEVARD BETWEEN N GOLDEN STATE BOULEVARD AND GEER ROAD.
4. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES AND CONTINUE TO STAGE 2.

STAGE 2
1. IMPLEMENT DETOUR PLAN PER TD–13.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL B, TC–04 FOR THE BLOCK OF 20TH/ CENTURY BOULEVARD FROM N GOLDEN STATE BOULEVARD TO AUSTIN DAVID WAY.
3. CONSTRUCT THE SOUTH HALF OF 20TH/ CENTURY BOULEVARD BETWEEN N GOLDEN STATE BOULEVARD AND AUSTIN DAVID WAY.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE SOUTH HALF OF 20TH/ CENTURY BOULEVARD FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE SOUTH HALF OF 20TH/ CENTURY BOULEVARD BETWEEN N GOLDEN STATE BOULEVARD AND GEER ROAD IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES.

DELBON AVENUE

STAGE 1
1. IMPLEMENT DETOUR PLAN PER TD–14.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL A, TC–04 FOR THE BLOCK OF DELBON AVENUE FROM N OLIVE AVENUE TO COLORADO AVENUE.
3. CONSTRUCT THE NORTH HALF OF DELBON AVENUE BETWEEN N OLIVE AVENUE AND COLORADO AVENUE.
4. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES AND CONTINUE TO STAGE 2.

STAGE 2
1. IMPLEMENT DETOUR PLAN PER TD–15.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL B, TC–04 FOR THE BLOCK OF DELBON AVENUE FROM N OLIVE AVENUE TO COLORADO AVENUE.
3. CONSTRUCT THE SOUTH HALF OF DELBON AVENUE BETWEEN N OLIVE AVENUE AND COLORADO AVENUE.
4. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES.

MIRA FLORES DRIVE

STAGE 1
1. IMPLEMENT DETOUR PLAN PER TD–16.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL C, TC–05 FOR THE BLOCK OF MIRA FLORES DRIVE FROM EL PASO STREET TO N JOHNSON ROAD.
3. CONSTRUCT THE NORTH HALF OF MIRA FLORES DRIVE BETWEEN EL PASO STREET AND N JOHNSON ROAD.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE NORTH HALF OF MIRA FLORES DRIVE FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE NORTH HALF OF MIRA FLORES DRIVE BETWEEN EL PASO STREET AND MURPHY ROAD IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES AND CONTINUE TO STAGE 2.

STAGE 2
1. IMPLEMENT DETOUR PLAN PER TD–17.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL B, TC–04 FOR THE BLOCK OF MIRA FLORES DRIVE FROM EL PASO STREET TO N JOHNSON ROAD.
3. CONSTRUCT THE SOUTH HALF OF MIRA FLORES DRIVE BETWEEN EL PASO STREET AND N JOHNSON ROAD.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE SOUTH HALF OF MIRA FLORES DRIVE FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE SOUTH HALF OF MIRA FLORES DRIVE BETWEEN EL PASO STREET AND MURPHY ROAD IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES.

CARRIGAN STREET

STAGE 1
1. IMPLEMENT DETOUR PLAN PER TD–18.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL A, TC–04 FOR THE BLOCK OF CARRIGAN STREET FROM N JOHNSON ROAD TO OLD VINYARD DRIVE.
3. CONSTRUCT THE NORTH HALF OF CARRIGAN STREET BETWEEN N JOHNSON ROAD AND OLD VINYARD DRIVE.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE NORTH HALF OF CARRIGAN STREET FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE NORTH HALF OF CARRIGAN STREET BETWEEN N JOHNSON ROAD AND N QUINCY ROAD IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES AND CONTINUE TO STAGE 2.

STAGE 2
1. IMPLEMENT DETOUR PLAN PER TD–18.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL B, TC–04 FOR THE BLOCK OF CARRIGAN STREET FROM N JOHNSON ROAD TO OLD VINYARD DRIVE.
3. CONSTRUCT THE SOUTH HALF OF CARRIGAN STREET BETWEEN N JOHNSON ROAD AND OLD VINYARD DRIVE.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE SOUTH HALF OF CARRIGAN STREET FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE SOUTH HALF OF CARRIGAN STREET BETWEEN N JOHNSON ROAD AND N QUINCY ROAD IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES.

EAST AVENUE

STAGE 1
1. IMPLEMENT DETOUR PLAN PER TD–19.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL A, TC–04 FOR THE BLOCK OF EAST AVENUE FROM S GOLDEN STATE BOULEVARD TO S CENTER STREET.
3. CONSTRUCT THE NORTH HALF OF EAST AVENUE BETWEEN S GOLDEN STATE BOULEVARD AND S CENTER STREET.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE NORTH HALF OF EAST AVENUE FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
5. FOR THE BLOCK FROM S THOR STREET TO N MINARET AVENUE, IMPLEMENT TRAFFIC CONTROL PLAN TC–06 AND CONSTRUCT THE NORTH HALF OF EAST AVENUE FOR THAT BLOCK.
6. FOR THE BLOCK FROM N MINARET AVENUE TO N ROSE STREET, IMPLEMENT TRAFFIC CONTROL PLAN TC–08 AND CONSTRUCT THE NORTH HALF OF EAST AVENUE FOR THAT BLOCK.
7. REPEAT THE PROCESS UNTIL THE NORTH HALF OF EAST AVENUE BETWEEN S GOLDEN STATE BOULEVARD AND S BERKELY AVENUE IS CONSTRUCTED COMPLETELY.
8. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES AND IMPLEMENT DETOUR PLAN PER TD–20.
9. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL A, TC–04 FOR THE BLOCK OF EAST AVENUE FROM N BERKELY AVENUE TO N JOHNSON ROAD.
10. CONSTRUCT THE NORTH HALF OF EAST AVENUE BETWEEN N BERKELY AVENUE AND N JOHNSON ROAD.
11. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE NORTH HALF OF EAST AVENUE FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
12. REPEAT THE PROCESS UNTIL THE NORTH HALF OF EAST AVENUE BETWEEN N BERKELY AVENUE AND N DAUBENBERGER ROAD IS CONSTRUCTED COMPLETELY.
13. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES AND CONTINUE TO STAGE 2.

STAGE 2
1. IMPLEMENT DETOUR PLAN PER TD–21.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL B, TC–04 FOR THE BLOCK OF EAST AVENUE FROM S GOLDEN STATE BOULEVARD TO S CENTER STREET.
3. CONSTRUCT THE SOUTH HALF OF EAST AVENUE BETWEEN S GOLDEN STATE BOULEVARD AND S CENTER STREET.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE SOUTH HALF OF EAST AVENUE FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
5. FOR THE BLOCK FROM S CENTER STREET STREET TO S MINARET AVENUE, IMPLEMENT TRAFFIC CONTROL PLAN TC–07 AND CONSTRUCT THE SOUTH HALF OF EAST AVENUE FOR THAT BLOCK.
6. FOR CONSTRUCTION OF THE ROADWAY IN THE INTERSECTION OF EAST AVENUE AND S MINARET ST, IMPLEMENT TRAFFIC CONTROL PLAN TC–09 AND CONSTRUCT THE ROADWAY WITHIN THE WORK AREA IDENTIFIED ON THE PLAN.
7. FOR THE BLOCK FROM S MINARET AVENUE TO S ROSE STREET, IMPLEMENT TRAFFIC CONTROL PLAN TC–10 AND CONSTRUCT THE SOUTH HALF OF EAST AVENUE FOR THAT BLOCK.
8. REPEAT THE PROCESS UNTIL THE SOUTH HALF OF EAST AVENUE BETWEEN S GOLDEN STATE BOULEVARD AND S BERKELY AVENUE IS CONSTRUCTED COMPLETELY.
9. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES AND IMPLEMENT DETOUR PLAN PER TD–22.
10. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL A, TC–04 FOR THE BLOCK OF EAST AVENUE FROM N BERKELY AVENUE TO N JOHNSON ROAD.
11. CONSTRUCT THE SOUTH HALF OF EAST AVENUE BETWEEN N BERKELY AVENUE AND N JOHNSON ROAD.
12. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE SOUTH HALF OF EAST AVENUE FOR THE NEXT BLOCK TO THE EAST OF THE PRIOR BLOCK.
13. REPEAT THE PROCESS UNTIL THE SOUTH HALF OF EAST AVENUE BETWEEN N BERKELY AVENUE AND N DAUBENBERGER ROAD IS CONSTRUCTED COMPLETELY.
14. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES.

OLD VINYARD DRIVE

STAGE 1
1. IMPLEMENT DETOUR PLAN PER TD–23.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL A, TC–04 FOR THE BLOCK OF OLD VINYARD DRIVE FROM E MARSHALL STREET TO ZINFANDAL LANE.
3. CONSTRUCT THE WEST HALF OF OLD VINYARD DRIVE BETWEEN E MARSHALL STREET AND ZINFANDAL LANE.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE WEST HALF OF OLD VINYARD ROAD FOR THE NEXT BLOCK TO THE NORTH OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE WEST HALF OF OLD VINYARD ROAD BETWEEN E MARSHALL STREET AND E CANAL DRIVE IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES AND CONTINUE TO STAGE 2.

STAGE 2
1. IMPLEMENT DETOUR PLAN PER TD–24.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL B, TC–04 FOR THE BLOCK OF OLD VINYARD DRIVE FROM E MARSHALL STREET TO ZINFANDAL LANE.
3. CONSTRUCT THE EAST HALF OF OLD VINYARD DRIVE BETWEEN E MARSHALL STREET AND ZINFANDAL LANE.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE EAST HALF OF OLD VINYARD DRIVE FOR THE NEXT BLOCK TO THE NORTH OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE EAST HALF OF OLD VINYARD ROAD BETWEEN E MARSHALL STREET AND E CANAL DRIVE IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES.

CORELLO STREET

STAGE 1
1. IMPLEMENT DETOUR PLAN PER TD–25.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL A, TC–04 FOR THE BLOCK OF CORELLO STREET FROM MARLEE DRIVE TO BARBARA WAY.
3. CONSTRUCT THE WEST HALF OF CORELLO STREET BETWEEN MARLEE DRIVE AND BARBARA WAY.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE WEST HALF OF CORELLO STREET FOR THE NEXT BLOCK TO THE NORTH OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE WEST HALF OF CORELLO STREET BETWEEN MARLEE DRIVE AND SIERRA VISTA DRIVE IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES AND CONTINUE TO STAGE 2.

STAGE 2
1. IMPLEMENT DETOUR PLAN PER TD–26.
2. IMPLEMENT TRAFFIC CONTROL PLANS PER DETAIL B, TC–04 FOR THE BLOCK OF CORELLO STREET FROM MARLEE DRIVE TO E MARSHALL STREET.
3. CONSTRUCT THE EAST HALF OF CORELLO STREET BETWEEN MARLEE DRIVE AND E MARSHALL STREET.
4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE EAST HALF OF CORELLO STREET FOR THE NEXT BLOCK TO THE NORTH OF THE PRIOR BLOCK.
5. REPEAT THE PROCESS UNTIL THE EAST HALF OF CORELLO STREET BETWEEN MARLEE DRIVE AND SIERRA VISTA DRIVE IS CONSTRUCTED COMPLETELY.
6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES.

NON–STAGED CONSTRUCTION

1. PRIOR TO STAGED CONSTRUCTION WORK AT ANY LOCATION, CONTRACTOR MAY UTILIZE TEMPORARY SHORT–TERM LANE CLOSURES TO CONSTRUCT CONCRETE SIDEWALK, PEDESTRIAN RAMP, DRIVEWAY, AND CURB AND GUTTER IMPROVEMENTS. CONTRACTOR SHALL SUBMIT SHORT TERM LANE CLOSURE PLANS A MINIMUM OF 14 DAYS IN ADVANCE OF NEED FOR CITY APPROVAL.
2. TEMPORARY SHORT TERM CLOSURES SHALL INCLUDE PEDESTRIAN ACCESS AND DETOUR DETAILS AS APPLICABLE.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAD MARTINELL No. C74650 Exp. 12/31/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908
CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

TRAFFIC CONTROL NOTES

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

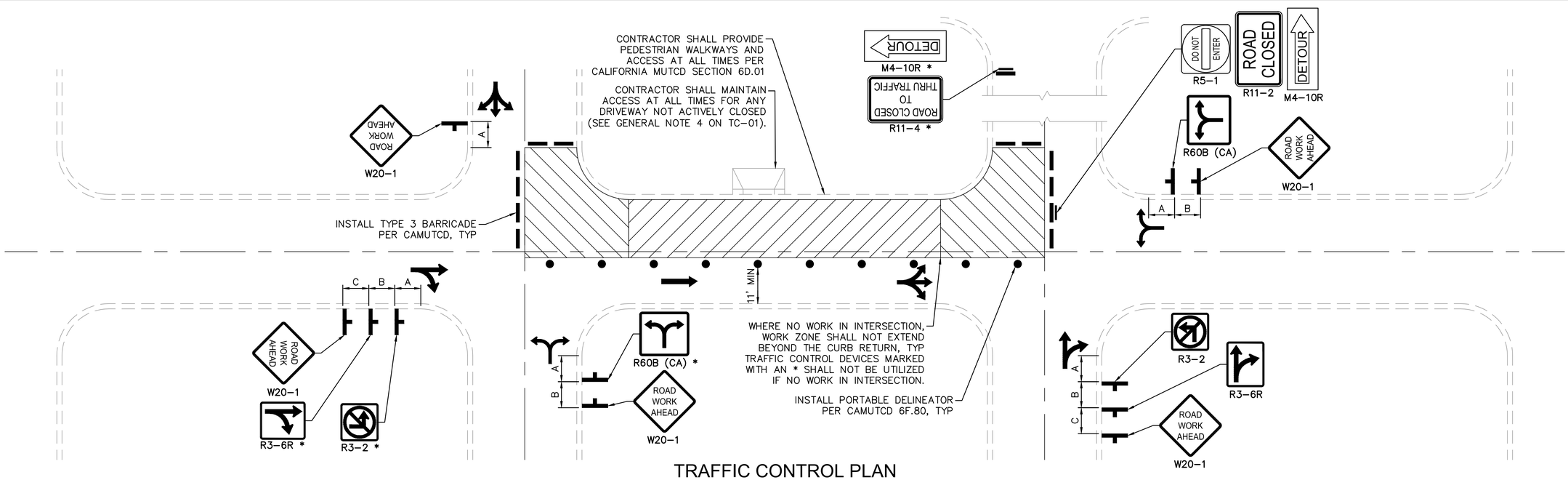
DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. TC-03

SHEET: 72 OF 169

22–001–P1–07–TC–03.dwg

10/26/2022 4:39:30 PM



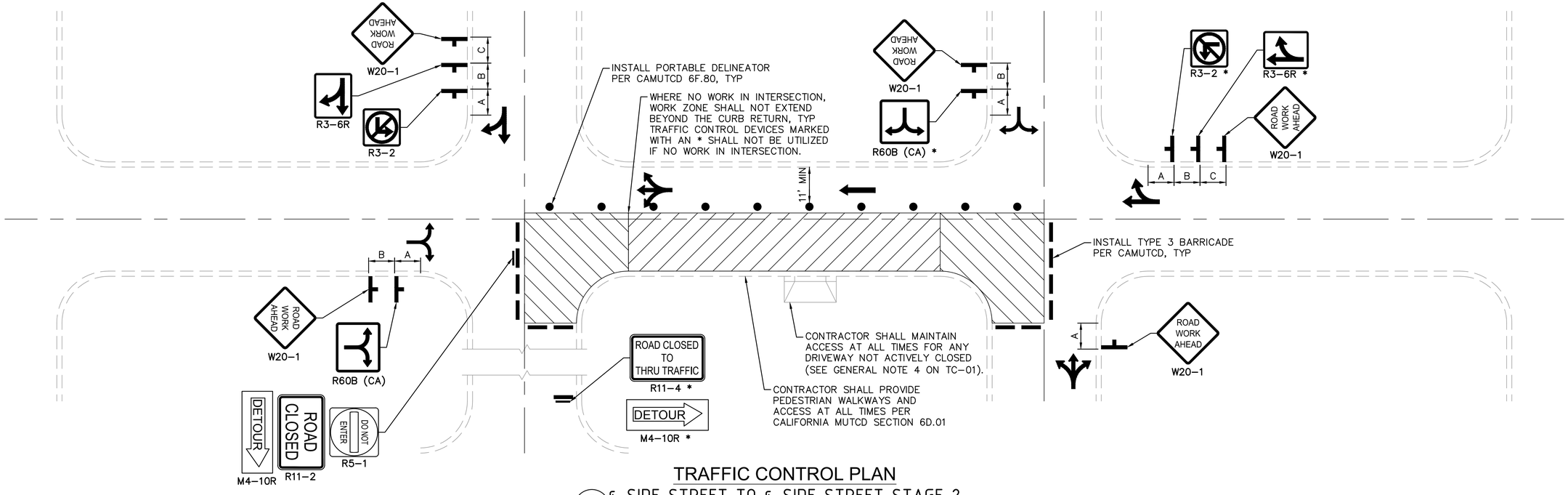
TRAFFIC CONTROL PLAN

A TC-04 ℄ SIDE STREET TO ℄ SIDE STREET STAGE 1

NTS

NOTE:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-01 SHEET.



TRAFFIC CONTROL PLAN

B TC-04 ℄ SIDE STREET TO ℄ SIDE STREET STAGE 2

NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAD MARTINELL No. C74650 Exp. 12/31/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC CONTROL DETAILS

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

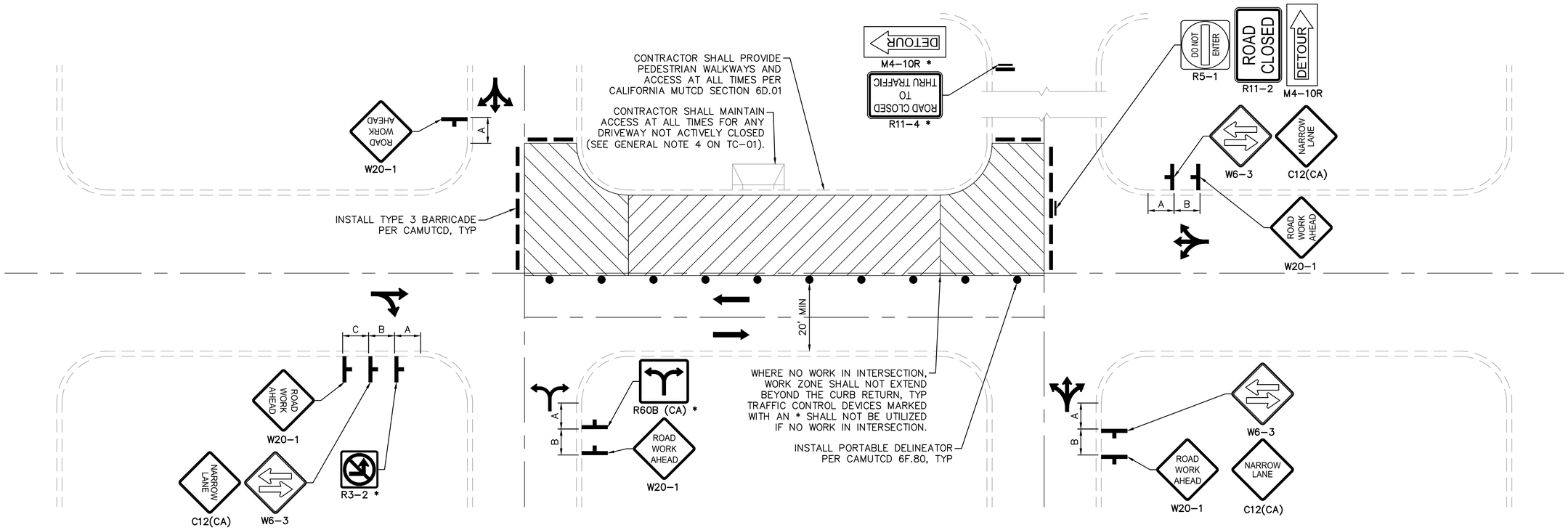
DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. TC-04

SHEET: 73 OF 169

22-001-P1-07-TC-04.dwg

10/26/2022 4:39:34 PM



TRAFFIC CONTROL PLAN

C TC-05 ℄ SIDE STREET TO ℄ SIDE STREET STAGE 1 - TWO LANE

NTS

NOTE:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-01 SHEET.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAD MARTINELL No. C74650 Exp. 12/31/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC CONTROL DETAILS

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1/2" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

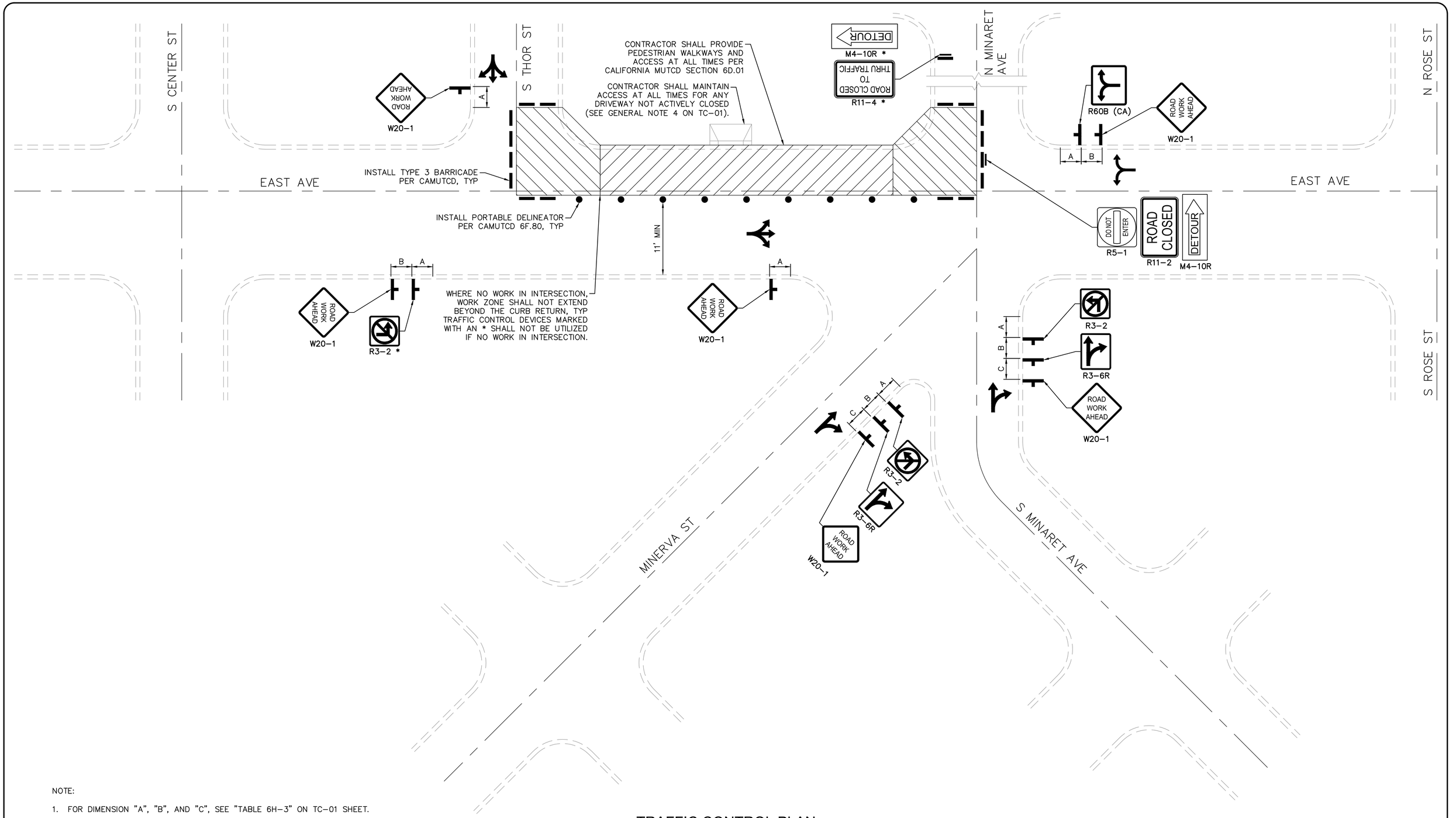
DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. TC-05

SHEET: 74 OF 169

22-001-P1-07-TC-05.dwg

10/26/2022 4:39:39 PM



NOTE:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-01 SHEET.

TRAFFIC CONTROL PLAN
D TC-06 5 LEGGED INTERSECTION STAGE 1
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAD MARTINELL No. C74650 Exp. 12/31/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC CONTROL DETAILS

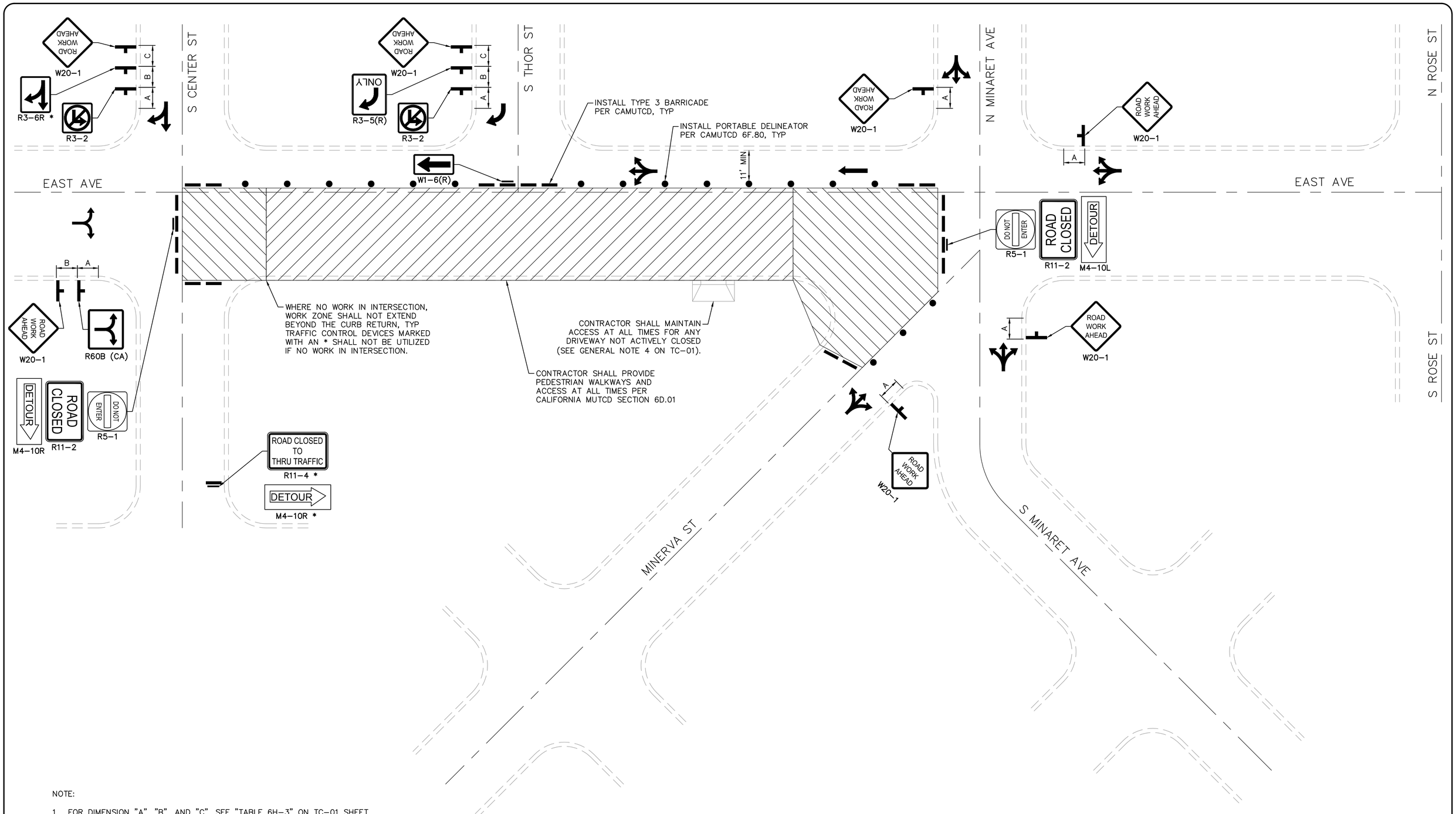
CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. TC-06
SHEET: 75 OF 169

22-001-P1-07-TC-06.dwg
10/26/2022 4:39:43 PM



NOTE:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-01 SHEET.

TRAFFIC CONTROL PLAN
5 LEGGED INTERSECTION STAGE 2

E / TC-07

NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC CONTROL DETAILS

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/2" 1/4" 3/4" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

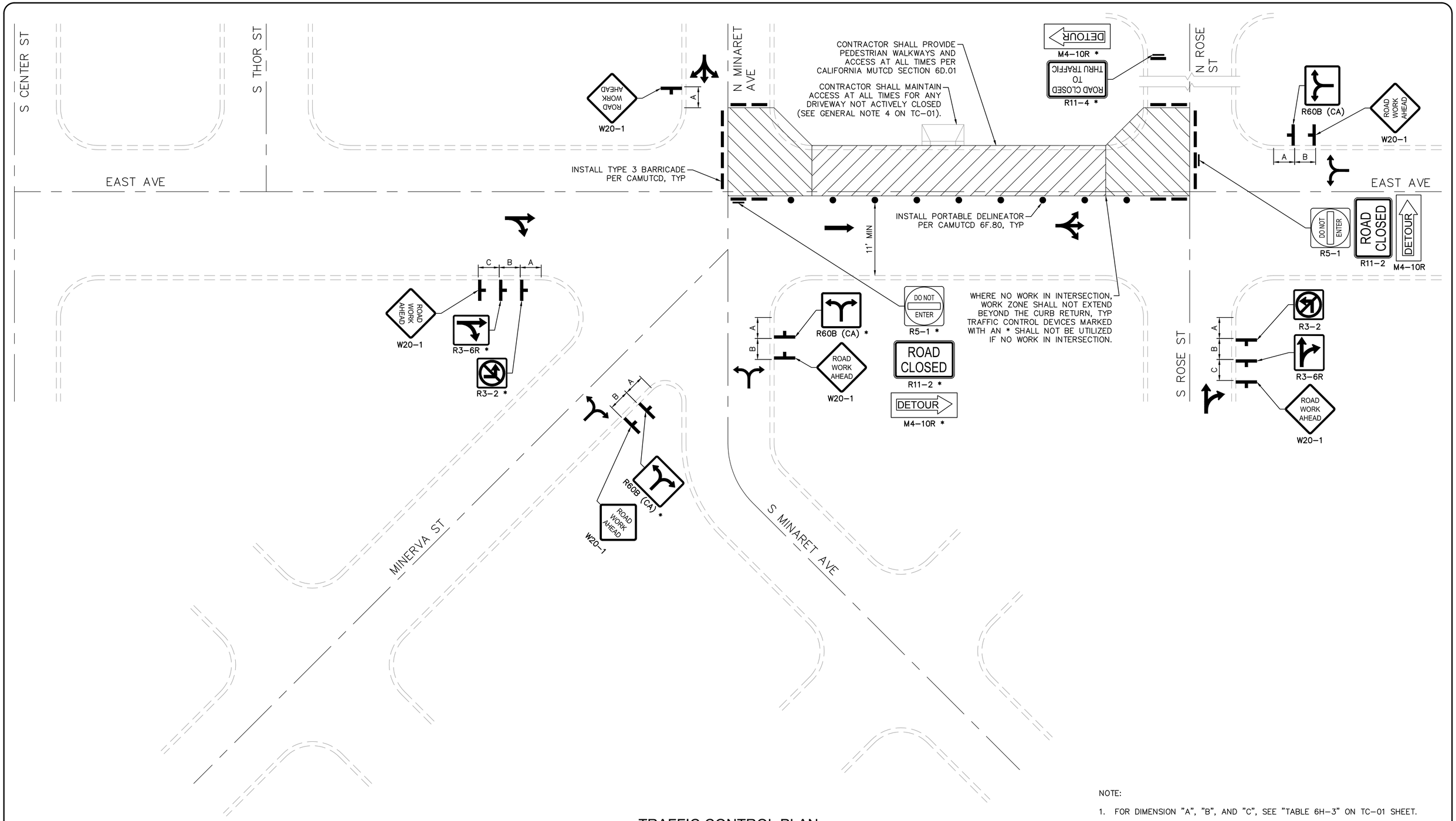
DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. TC-07

SHEET: 76 OF 169

22-001-P1-07-TC-07.dwg

10/26/2022 4:39:48 PM



NOTE:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-01 SHEET.

TRAFFIC CONTROL PLAN
F TC-08 5 LEGGED INTERSECTION STAGE 3
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAD MARTINELL No. C74650 Exp. 12/31/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908
CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC CONTROL DETAILS

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1/2" 0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

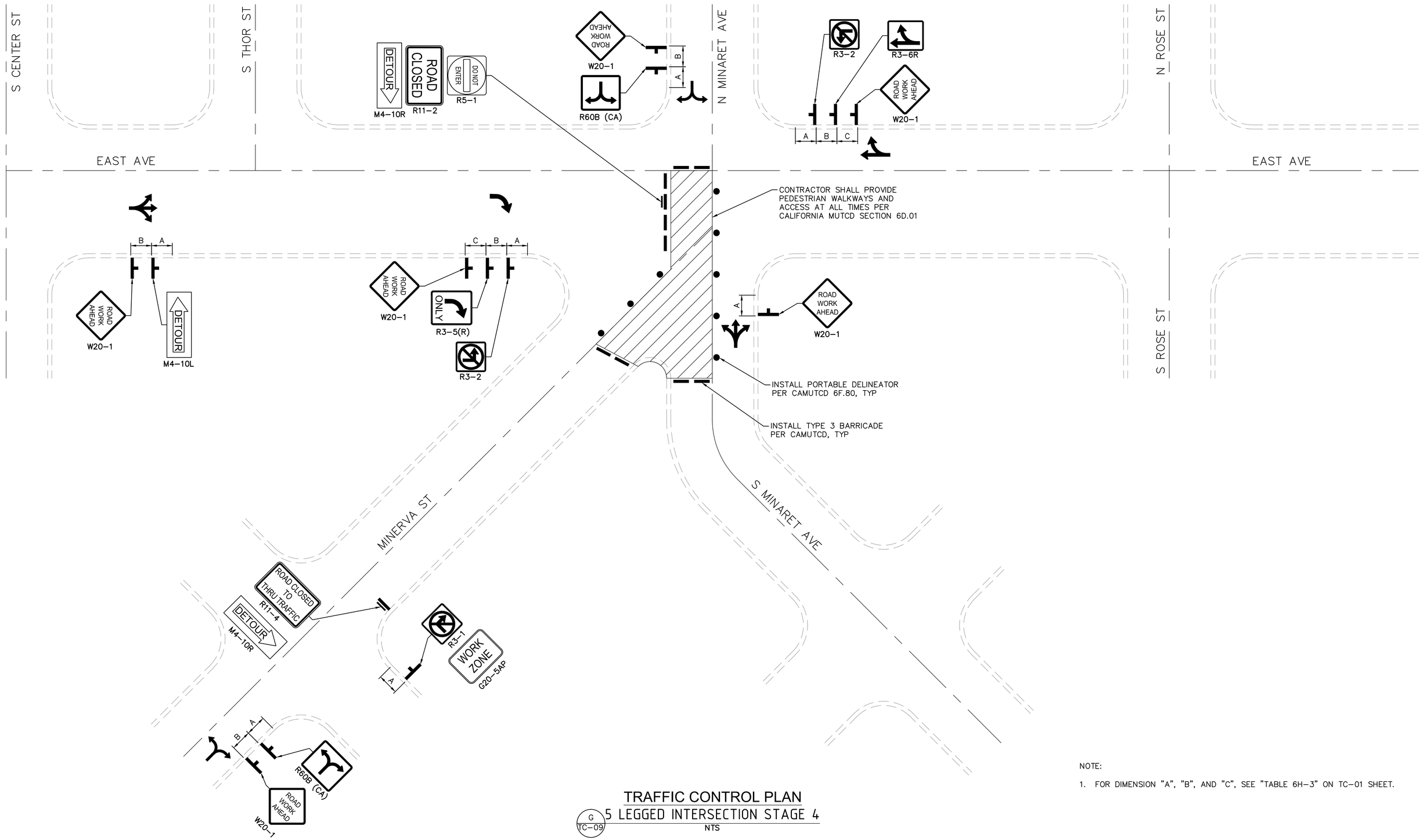
DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. TC-08

SHEET: 77 OF 169

22-001-P1-07-TC-08.dwg

10/26/2022 4:39:52 PM



TRAFFIC CONTROL PLAN

G TC-09 — 5 LEGGED INTERSECTION STAGE 4

NTS

NOTE:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-01 SHEET.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — CHAD MARTINELL — No. C74650 — Exp. 12/31/2023 — CIVIL — STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC CONTROL DETAILS

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

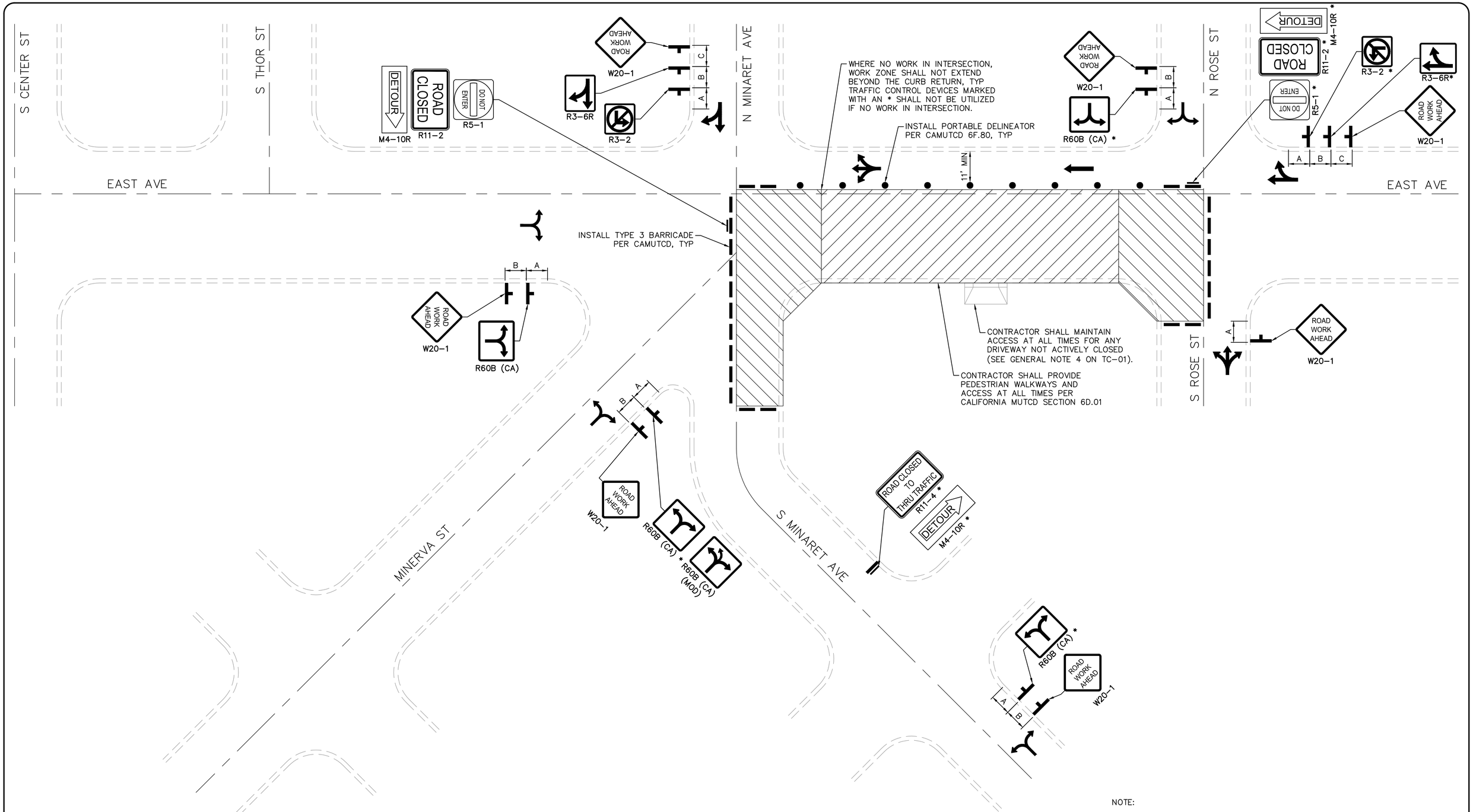
DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. TC-09

SHEET: 78 OF 169

22-001-P1-07-TC-09.dwg

10/26/2022 4:39:57 PM



NOTE:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-01 SHEET.

TRAFFIC CONTROL PLAN
K (TC-10) 5 LEGGED INTERSECTION STAGE 5
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC CONTROL DETAILS
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/2" 1" 1/4" 3/4"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

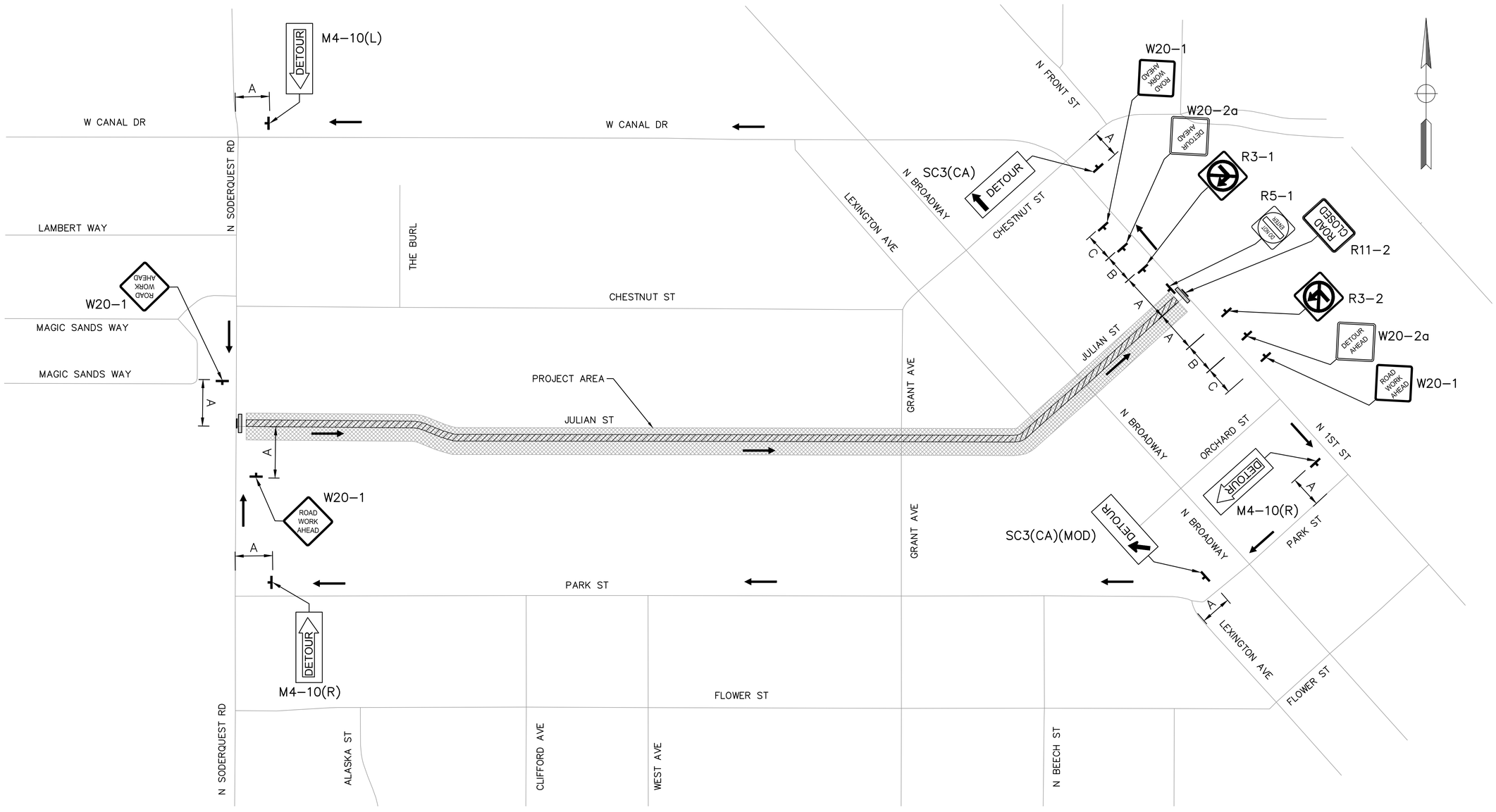
DRAWING No. TC-10

SHEET: 79 OF 169

22-001-P1-07-TC-10.dwg
10/26/2022 4:40:01 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
JULIAN STREET
STAGE 1
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H. GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. TD-01

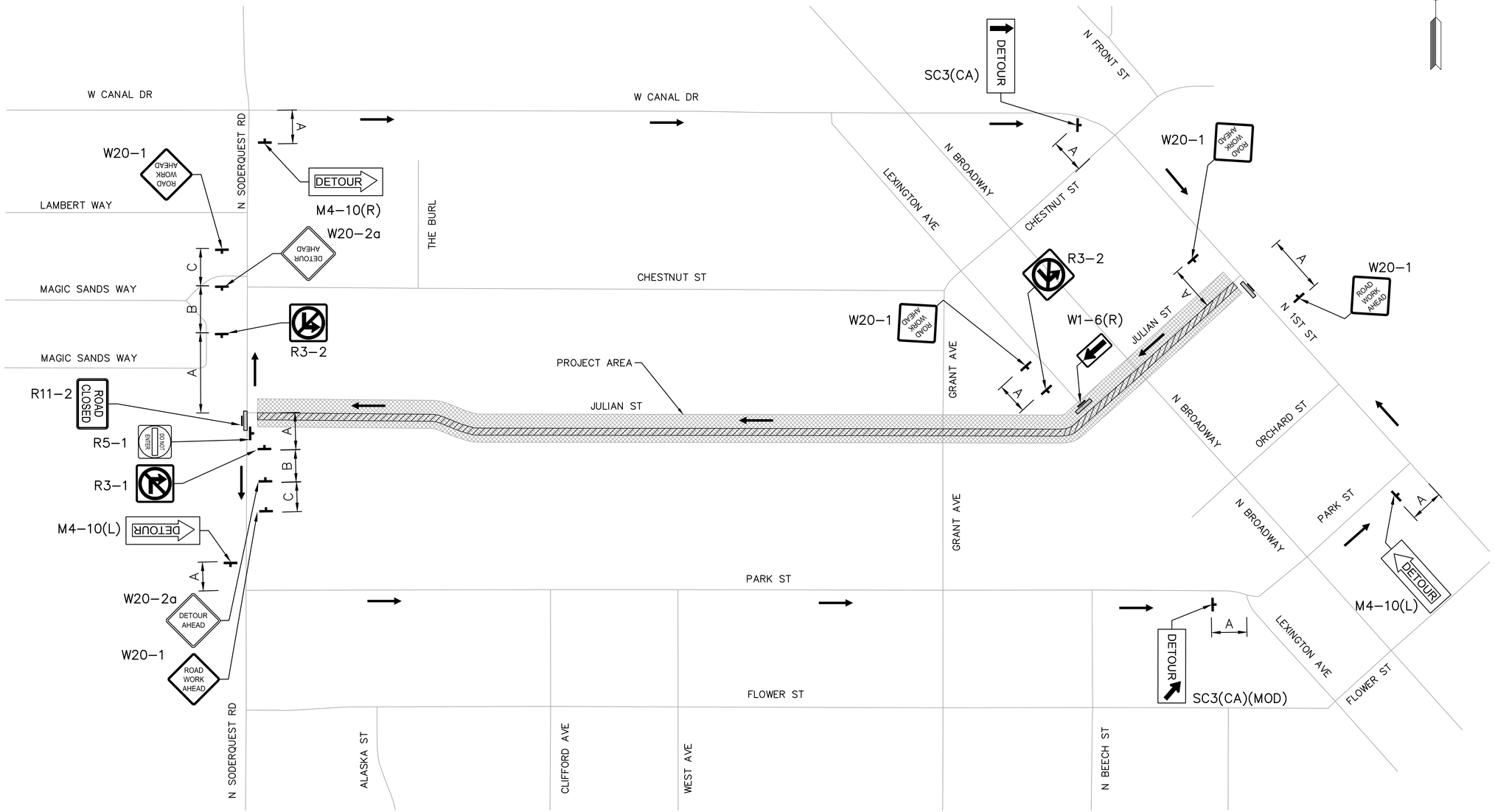
SHEET: 80 OF 169

22-001-P1-07-TD-01.dwg

10/28/2022 10:42:50 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
JULIAN STREET
STAGE 2
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

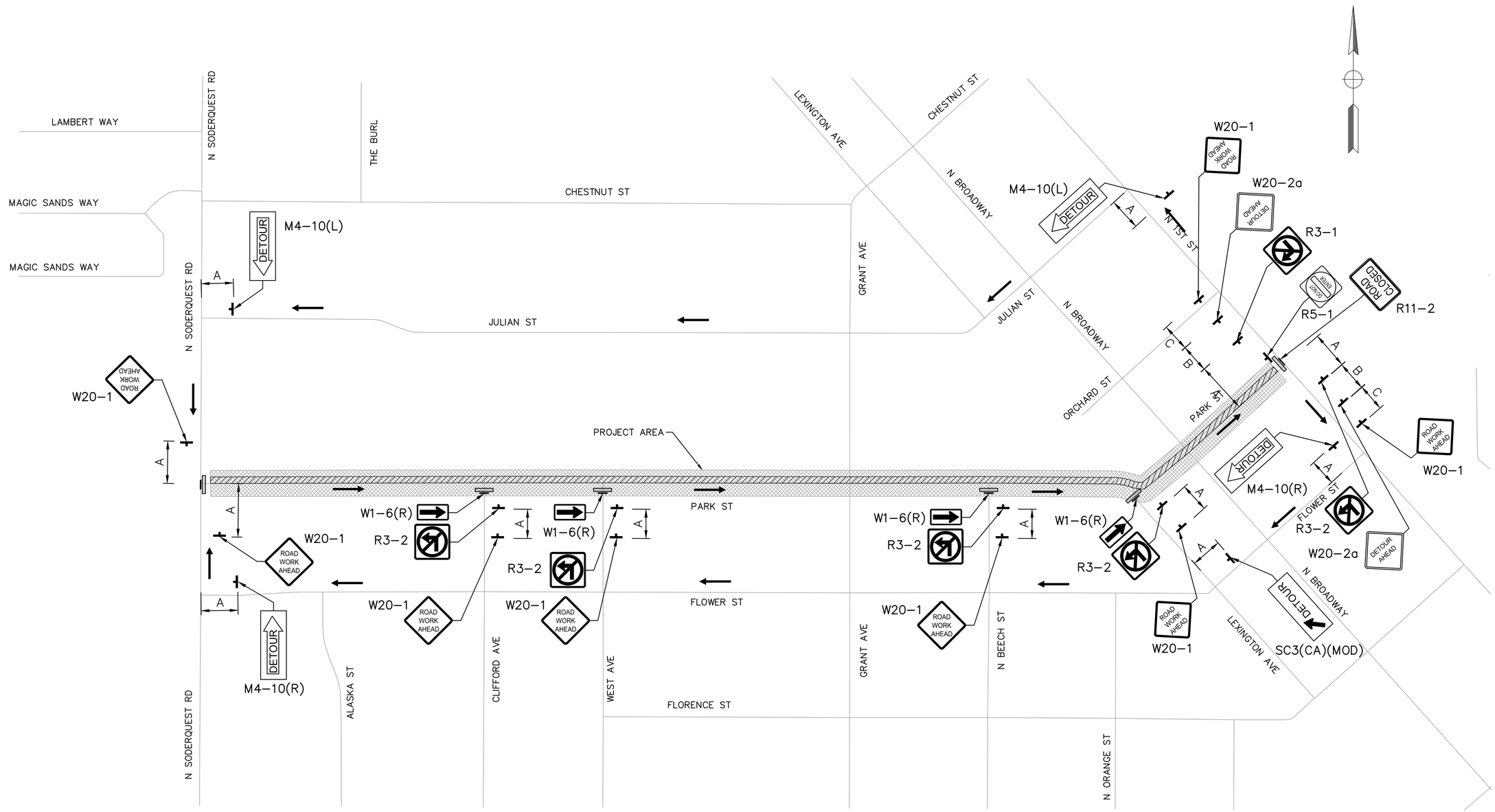
DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
TD-02
SHEET:
81 OF 169

22-001-P1-07-TD-02.dwg
10/28/2022 11:12:16 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
PARK STREET
STAGE 1
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. TD-03

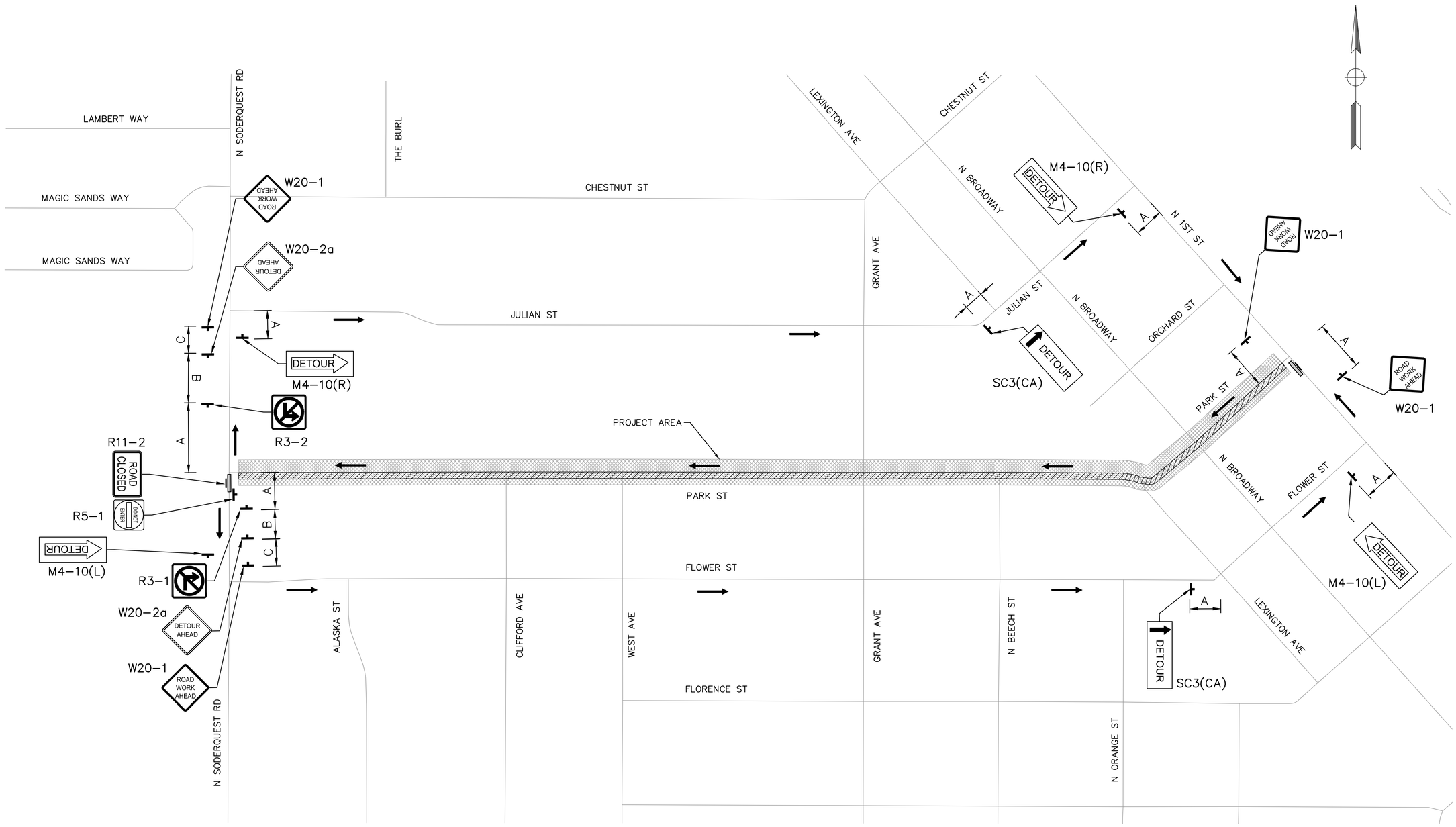
SHEET: 82 OF 169

22-001-P1-07-TD-03.dwg

10/28/2022 11:12:24 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

22-001-P1-07-TD-04.dwg

10/28/2022 11:12:32 PM

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
PARK STREET
STAGE 2
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

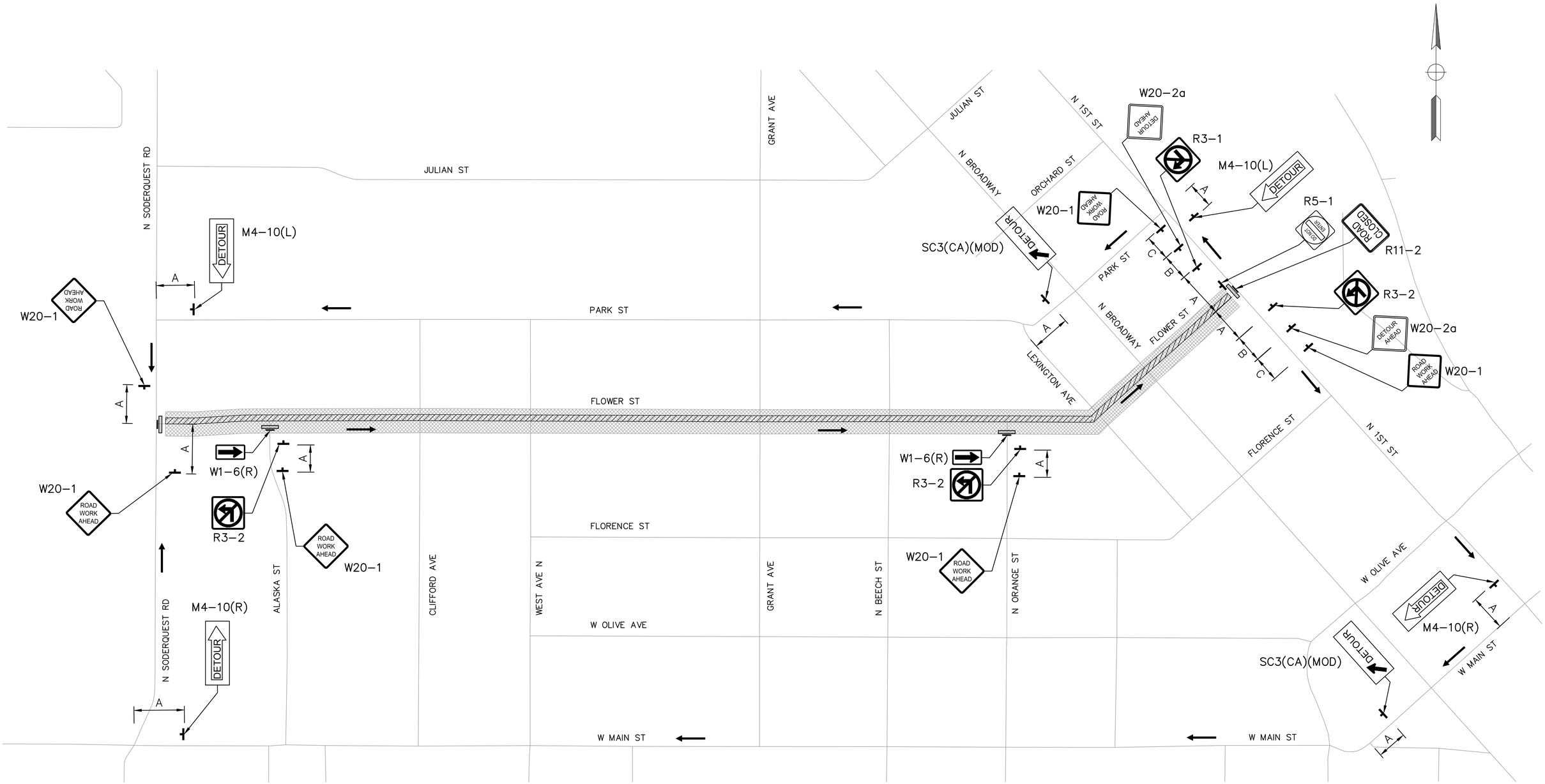
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. TD-04

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

22-001-P1-07-TD-05.dwg

10/28/2022 11:12:39 PM

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
FLOWER STREET
STAGE 1
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/2" 1/4" 3/4" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

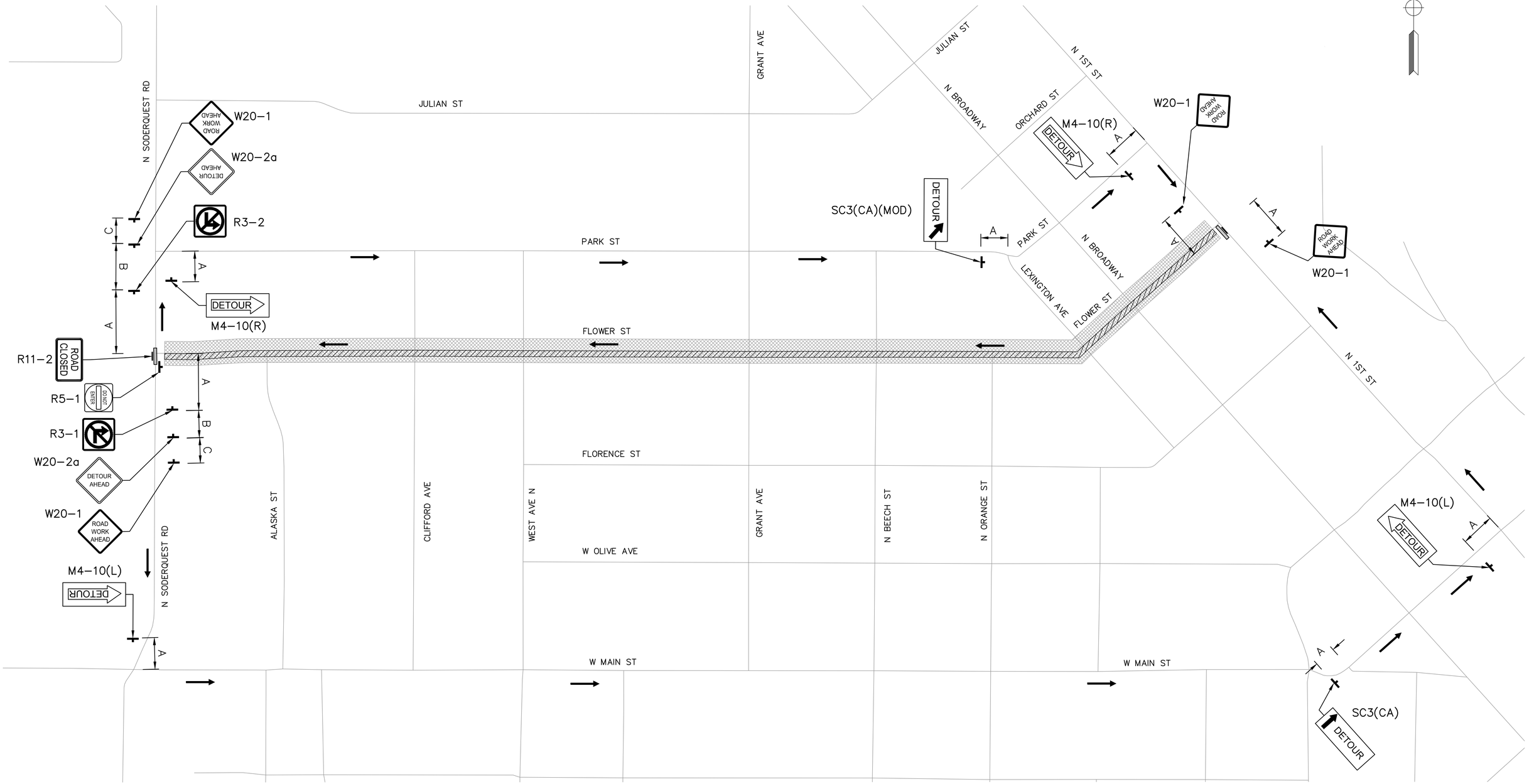
DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
TD-05

SHEET:
84 OF 169

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
FLOWER STREET
STAGE 2
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

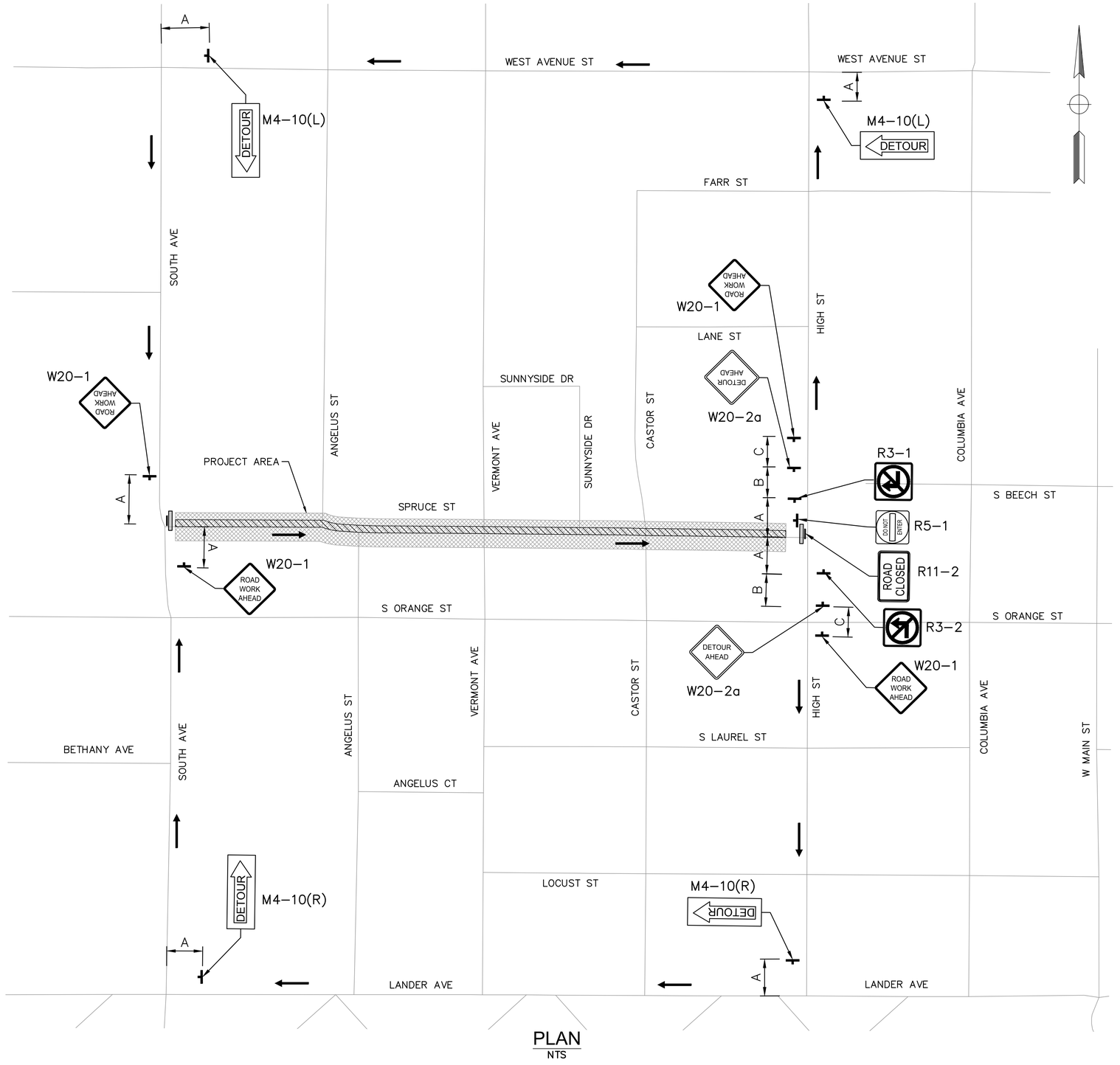
DRAWING No. TD-06

SHEET: 85 OF 169

22-001-P1-07-TD-06.dwg
10/28/2022 11:12:47 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
SPRUCE ST
STAGE 1
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. TD-07

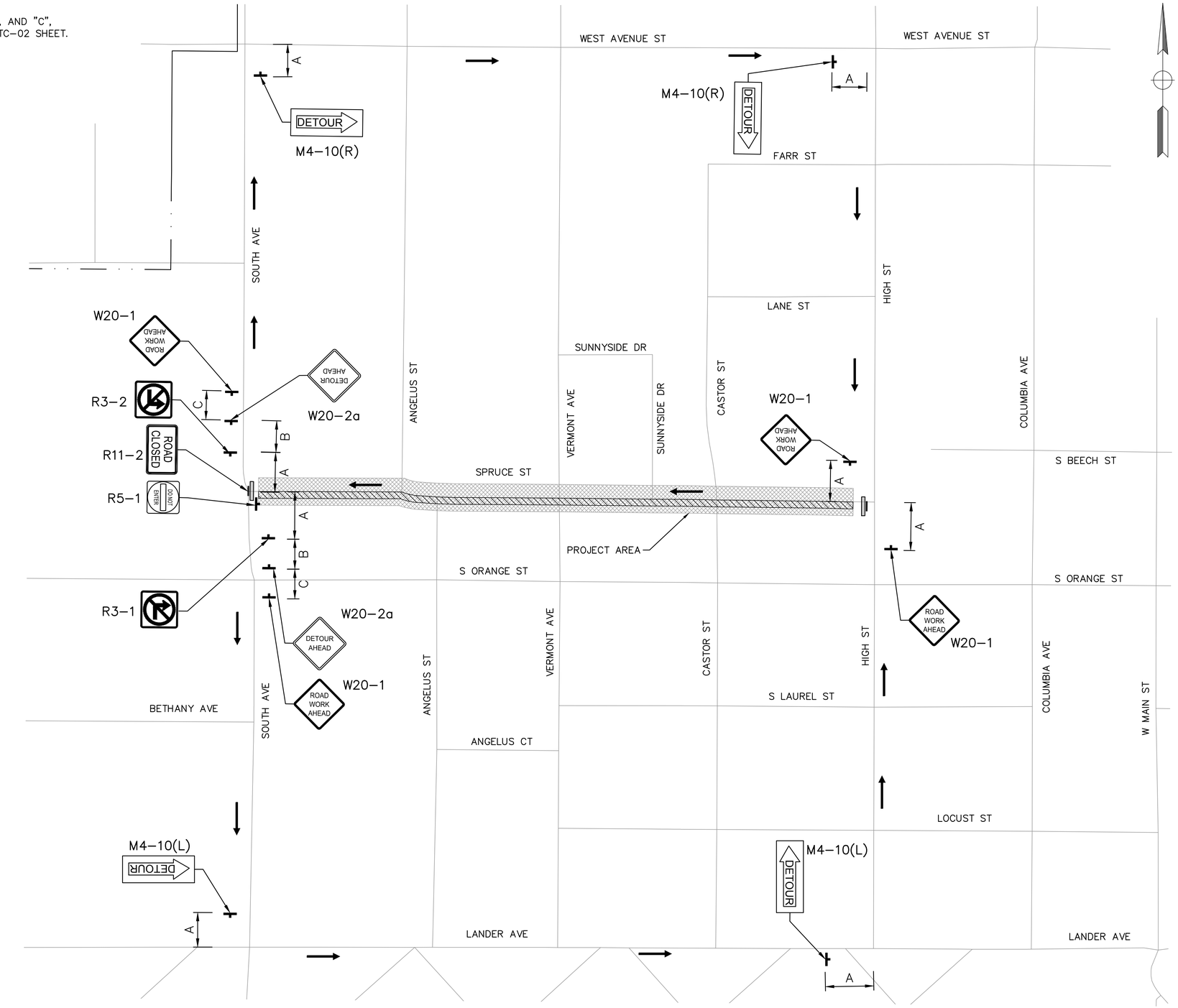
SHEET: 86 OF 169

22-001-P1-07-TD-07.dwg

10/28/2022 11:12:54 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAD MARTINELL No. C74650 Exp. 12/31/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
SPRUCE ST
STAGE 2
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

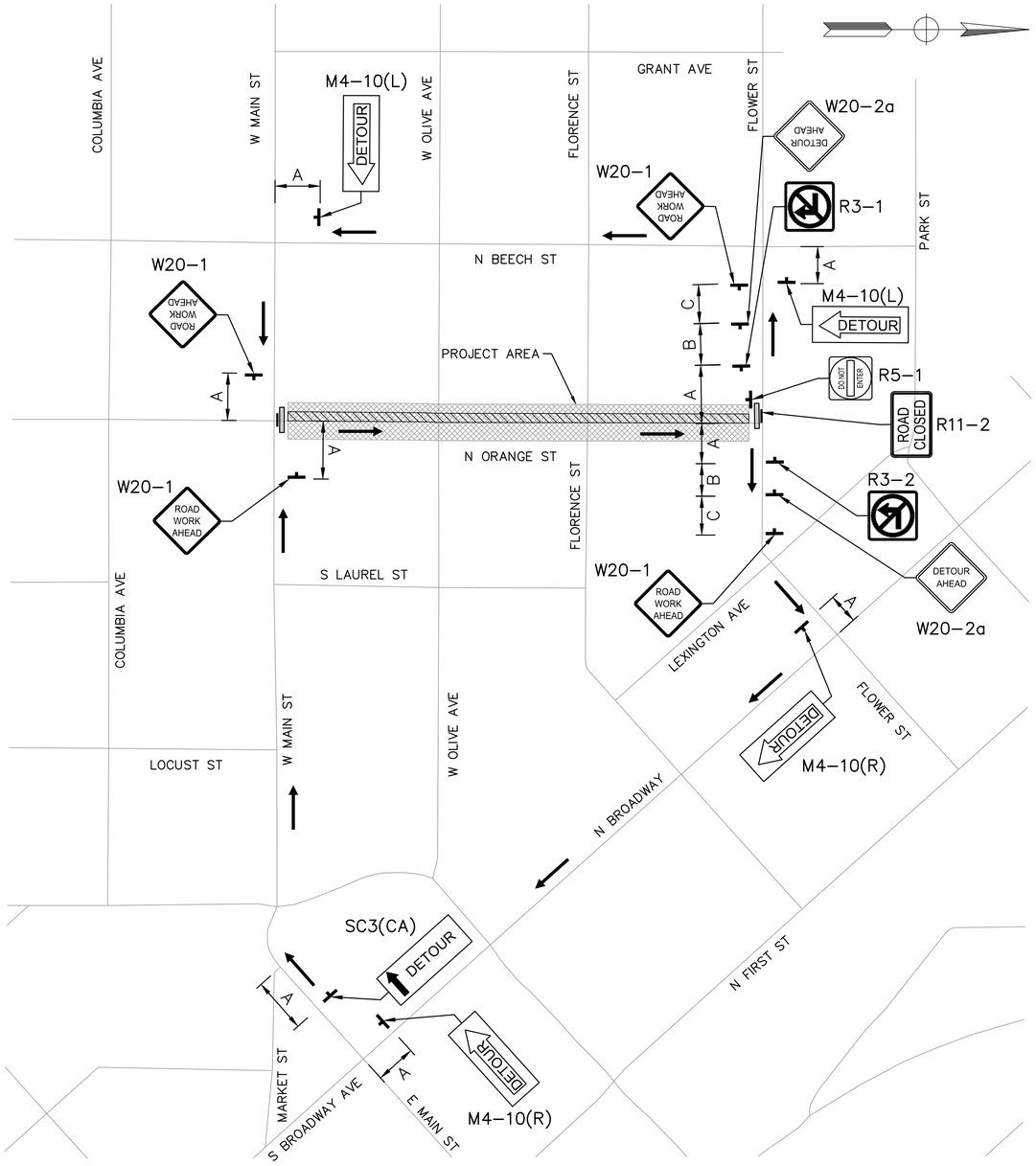
DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
TD-08
SHEET:
87 OF 169

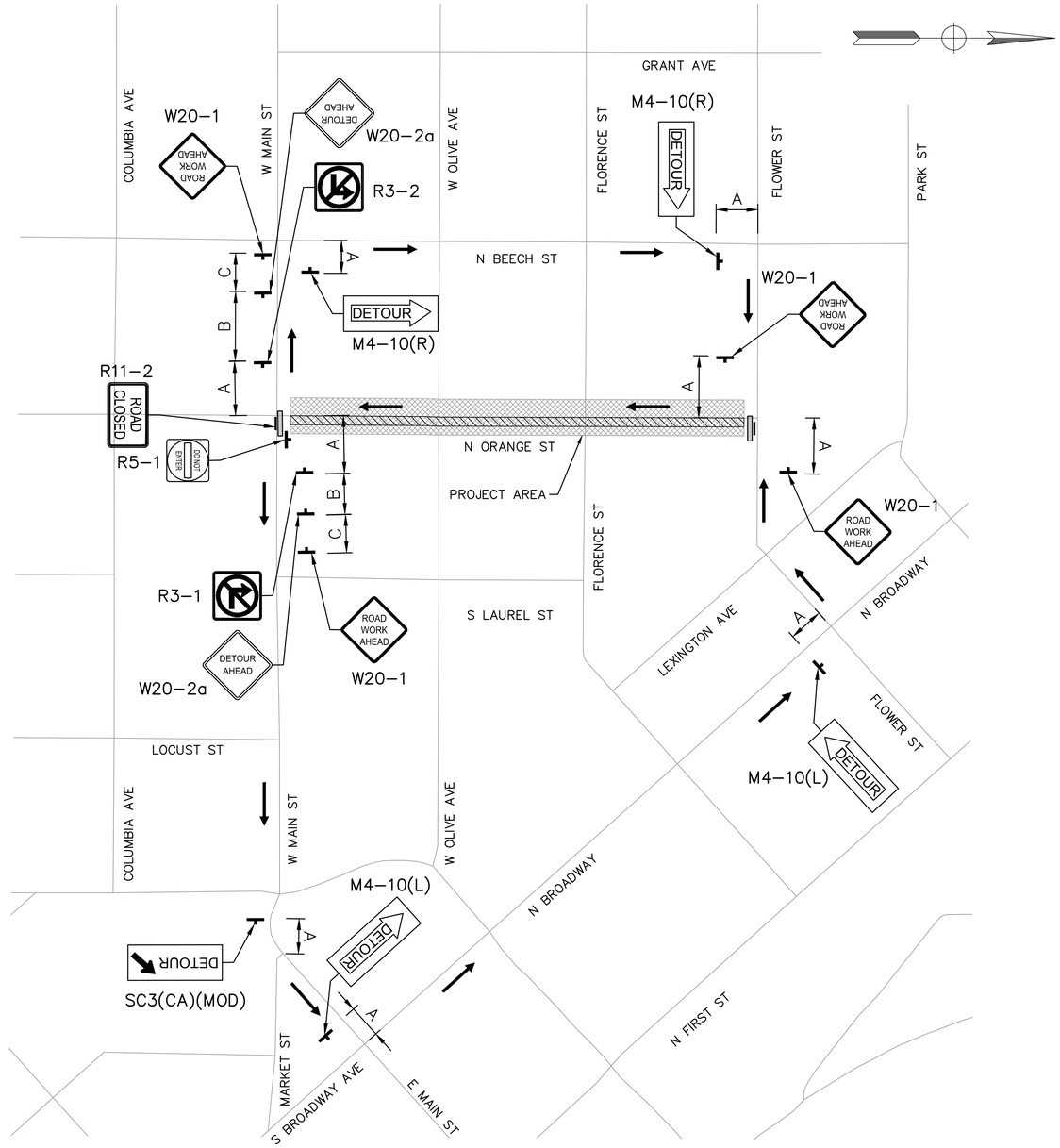
22-001-P1-07-TD-08.dwg
10/28/2022 11:13:01 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



STAGE 1
NTS



STAGE 2
NTS

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
N ORANGE STREET
STAGES 1 AND 2
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

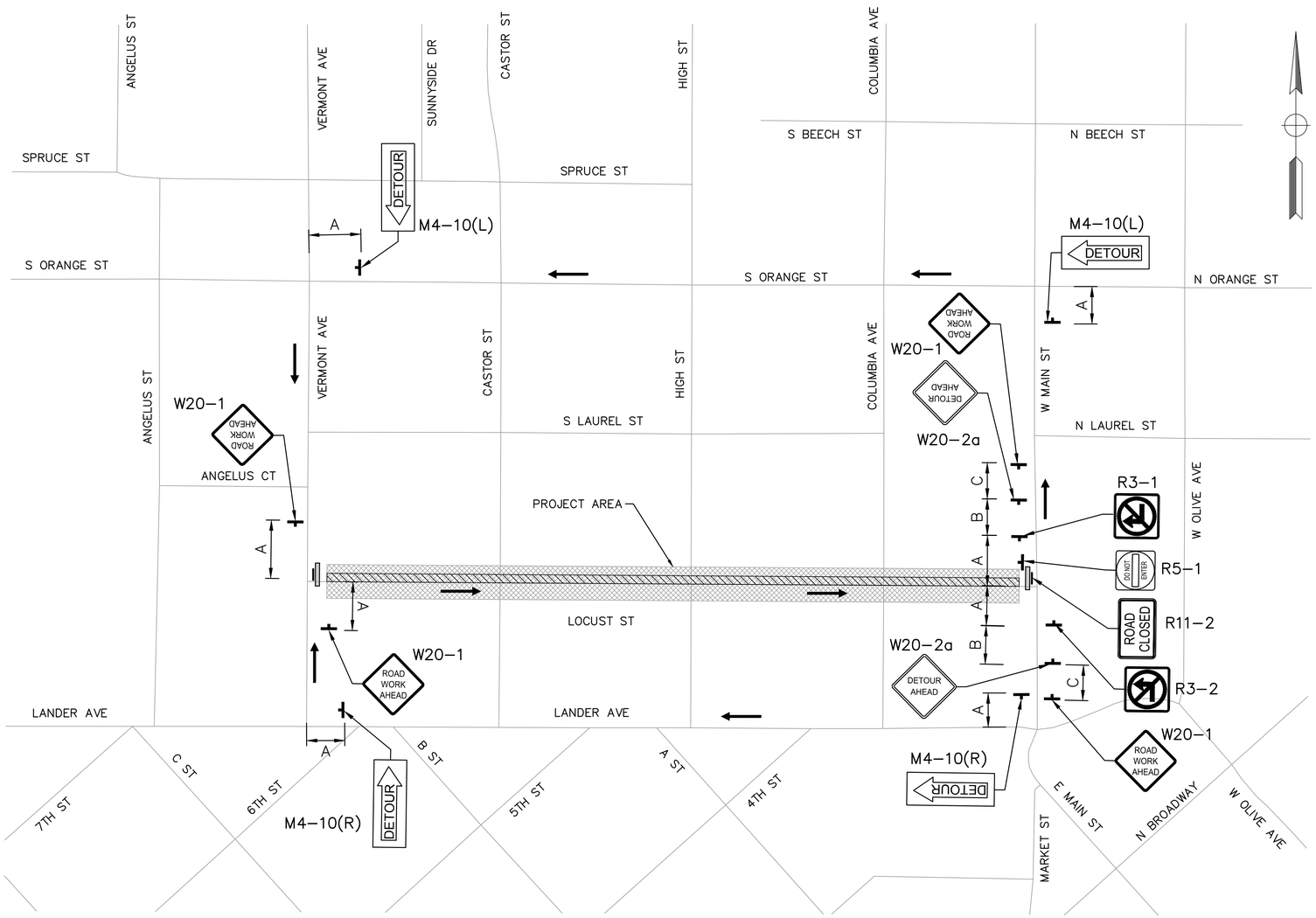
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY: H.GHAFOURIAN	DRAWING No.
REV. BY:	TD-09
CH. BY: C. MARTINELL	SHEET:
DATE: 10/28/2022	88 OF 169
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

22-001-P1-07-TD-09.dwg
10/28/2022 11:13:10 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
LOCUST ST
STAGE 1
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. TD-10

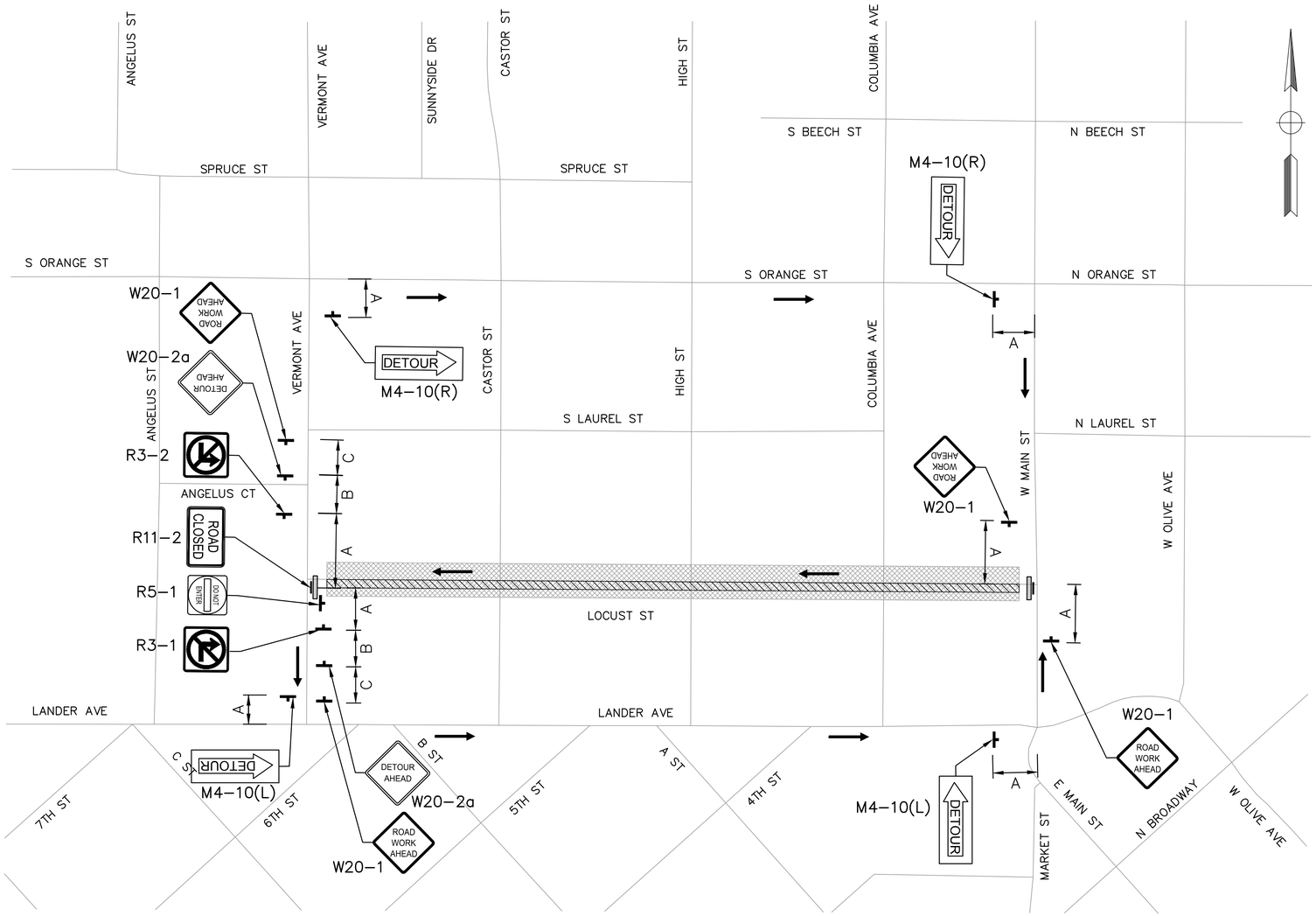
SHEET: 89 OF 169

22-001-P1-07-TD-10.dwg

10/28/2022 11:13:17 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

22-001-P1-07-TD-11.dwg

10/28/2022 11:13:24 PM

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
LOCUST ST
STAGE 2
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

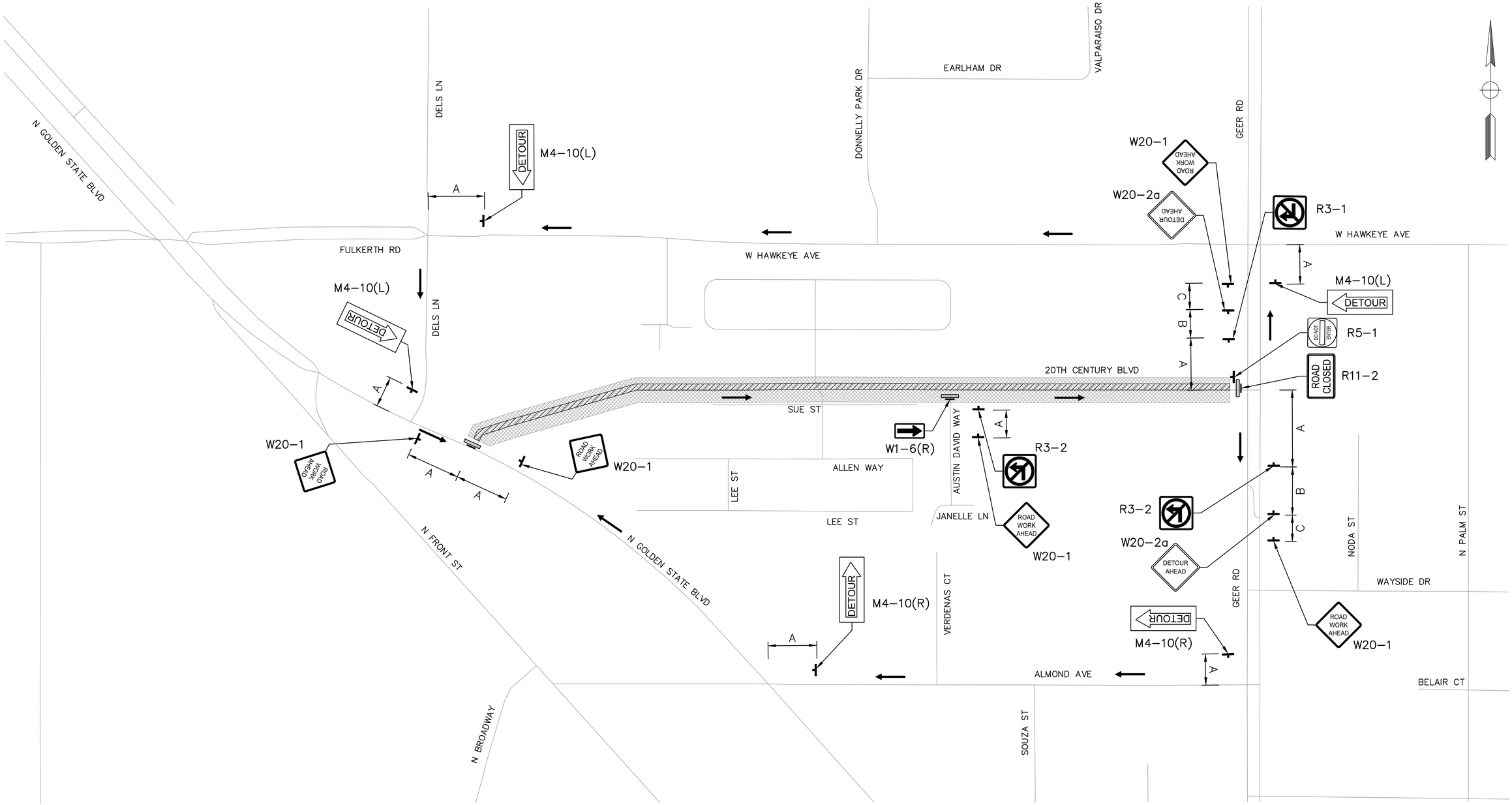
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
TD-11
SHEET:
90 OF 169

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
20TH CENTURY BOULEVARD
STAGE 1
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

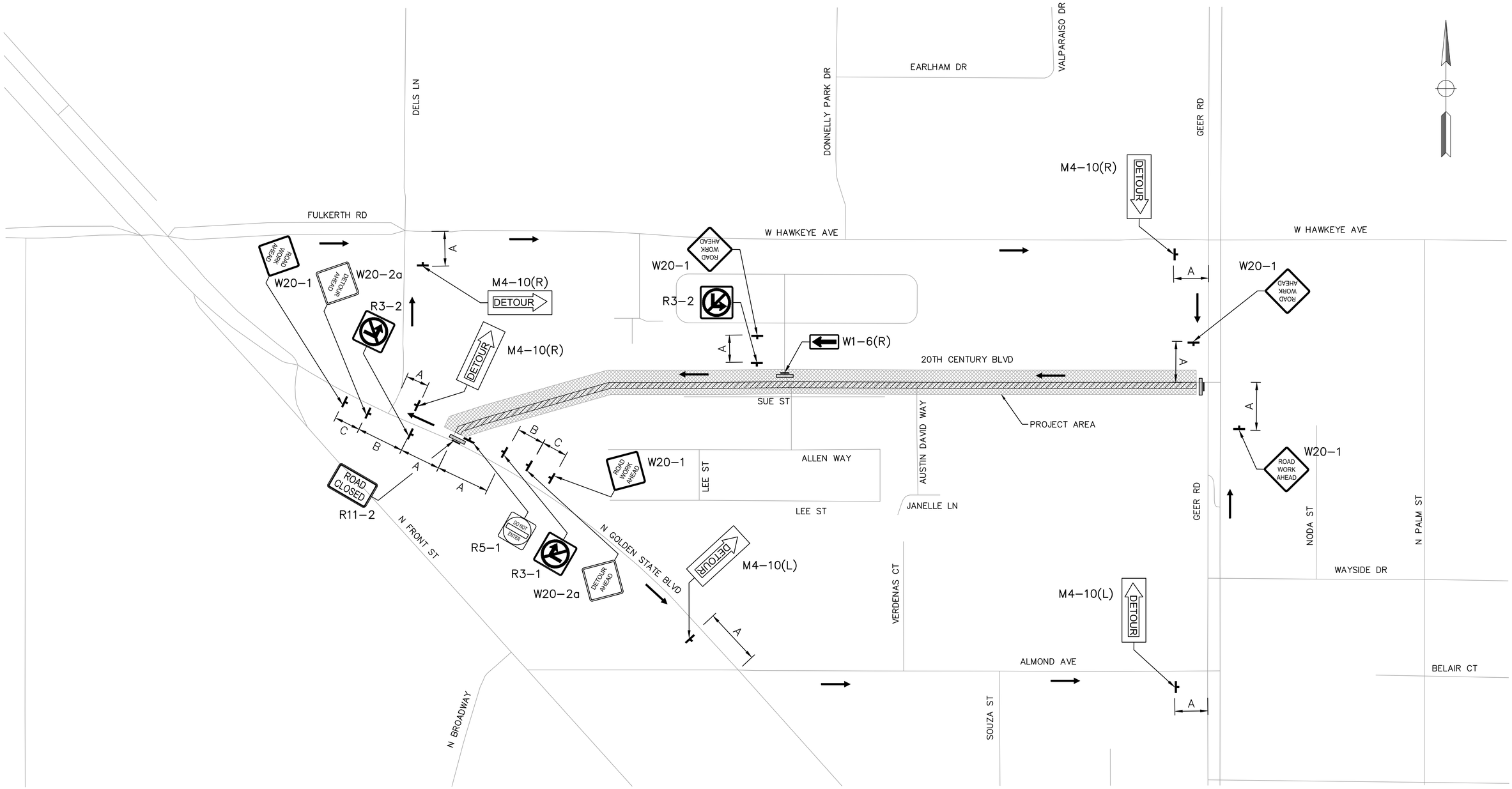
DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
TD-12
SHEET:
91 OF 169

22-001-P1-07-TD-12.dwg
10/28/2022 11:13:32 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
20TH CENTURY BOULEVARD
STAGE 2
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/2" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

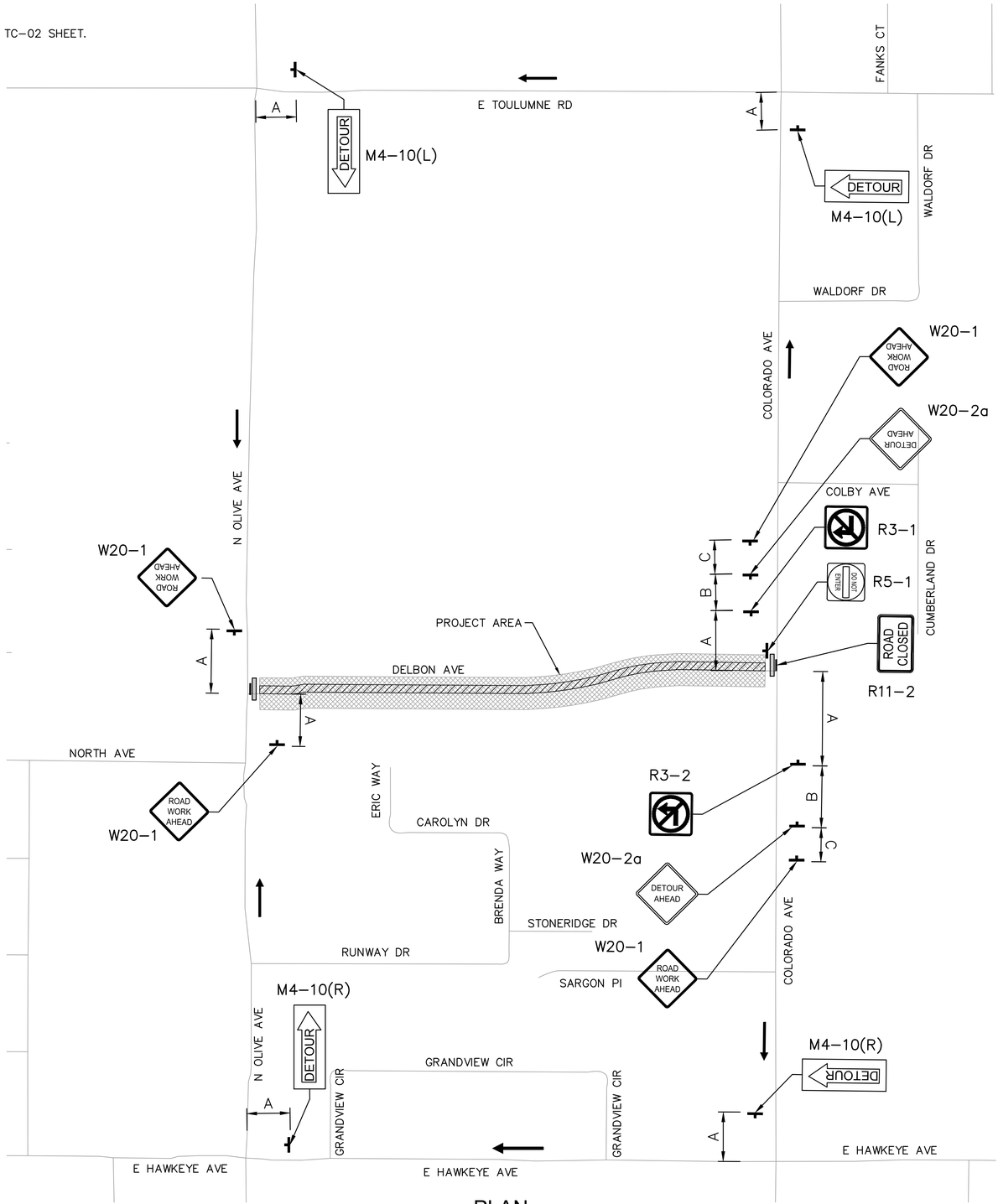
DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
TD-13
SHEET:
92 OF 169

22-001-P1-07-TD-13.dwg
10/28/2022 11:13:39 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
DELBON AVENUE
STAGE 1
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

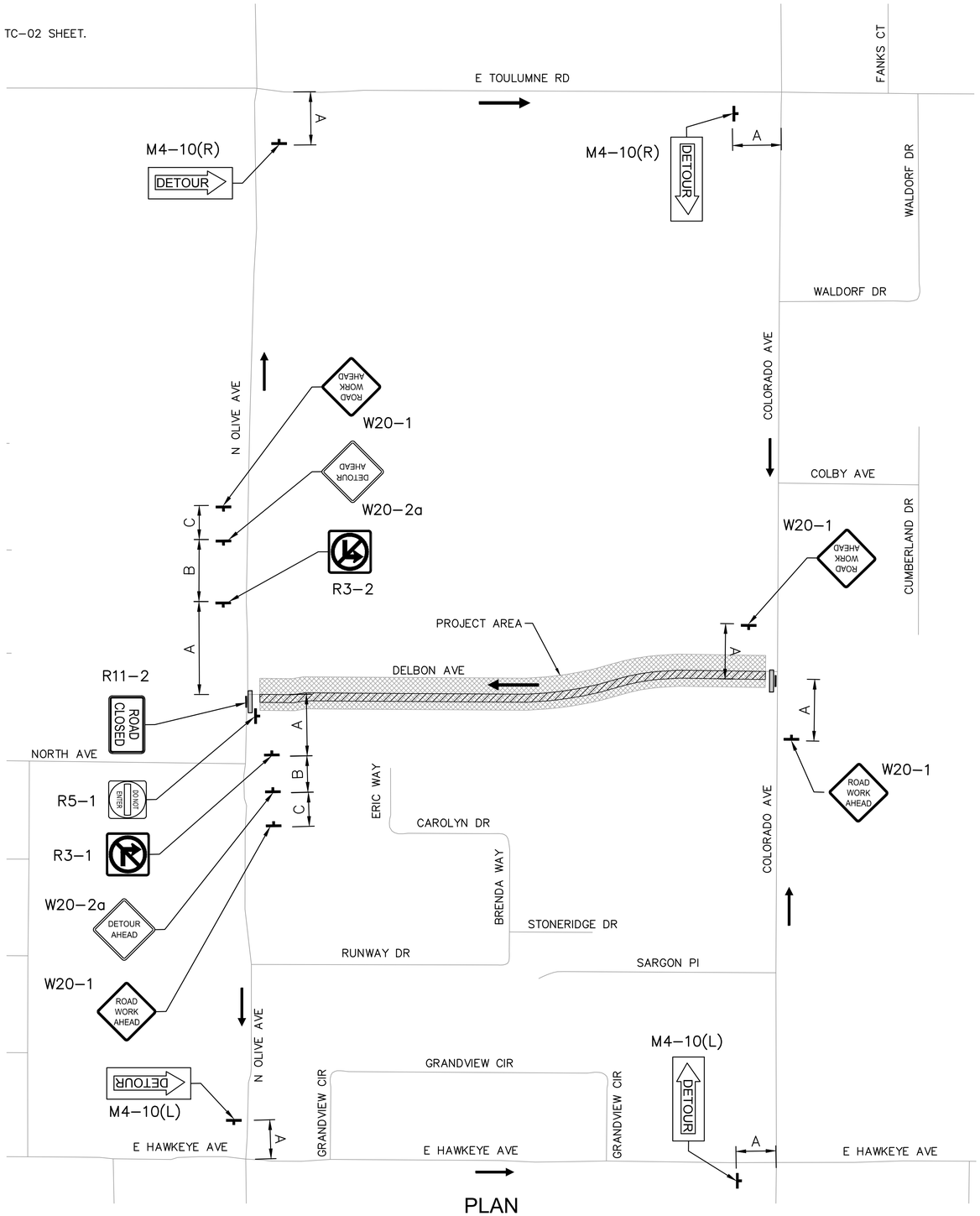
DRAWING No. TD-14

SHEET: 93 OF 169

22-001-P1-07-TD-14.dwg
10/28/2022 11:13:47 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

USA NORTH 811
Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
DELBON AVENUE
STAGE 2
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1/2" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
TD-15

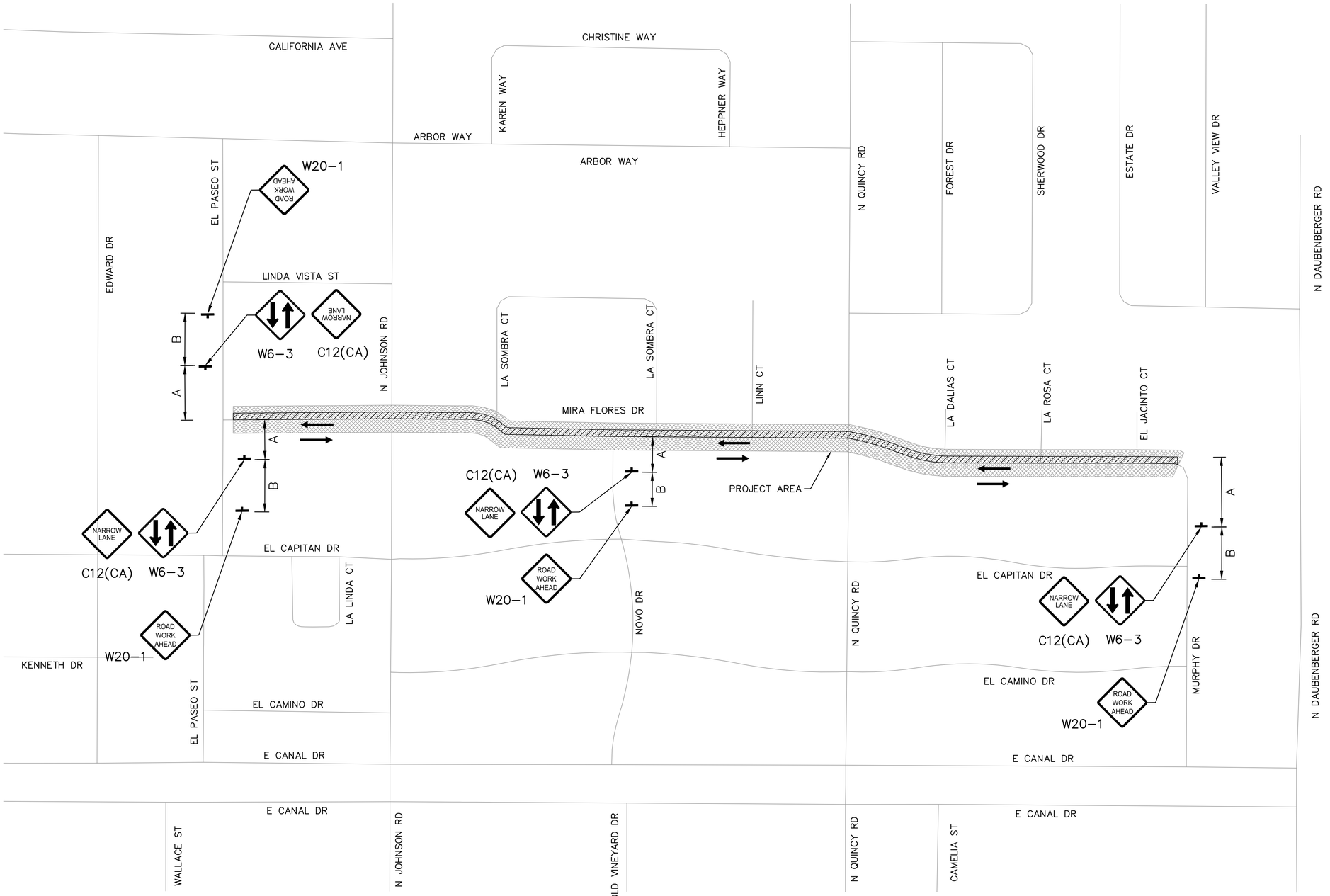
SHEET:
94 OF 169

22-001-P1-07-TD-15.dwg

10/28/2022 11:13:55 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

USA NORTH 811
Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
MIRA FLORES DRIVE
STAGE 1
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
TD-16

SHEET:
95 OF 169

22-001-P1-07-TD-16.dwg
10/28/2022 11:14:03 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
MIRA FLORES DRIVE
STAGE 2
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
TD-17

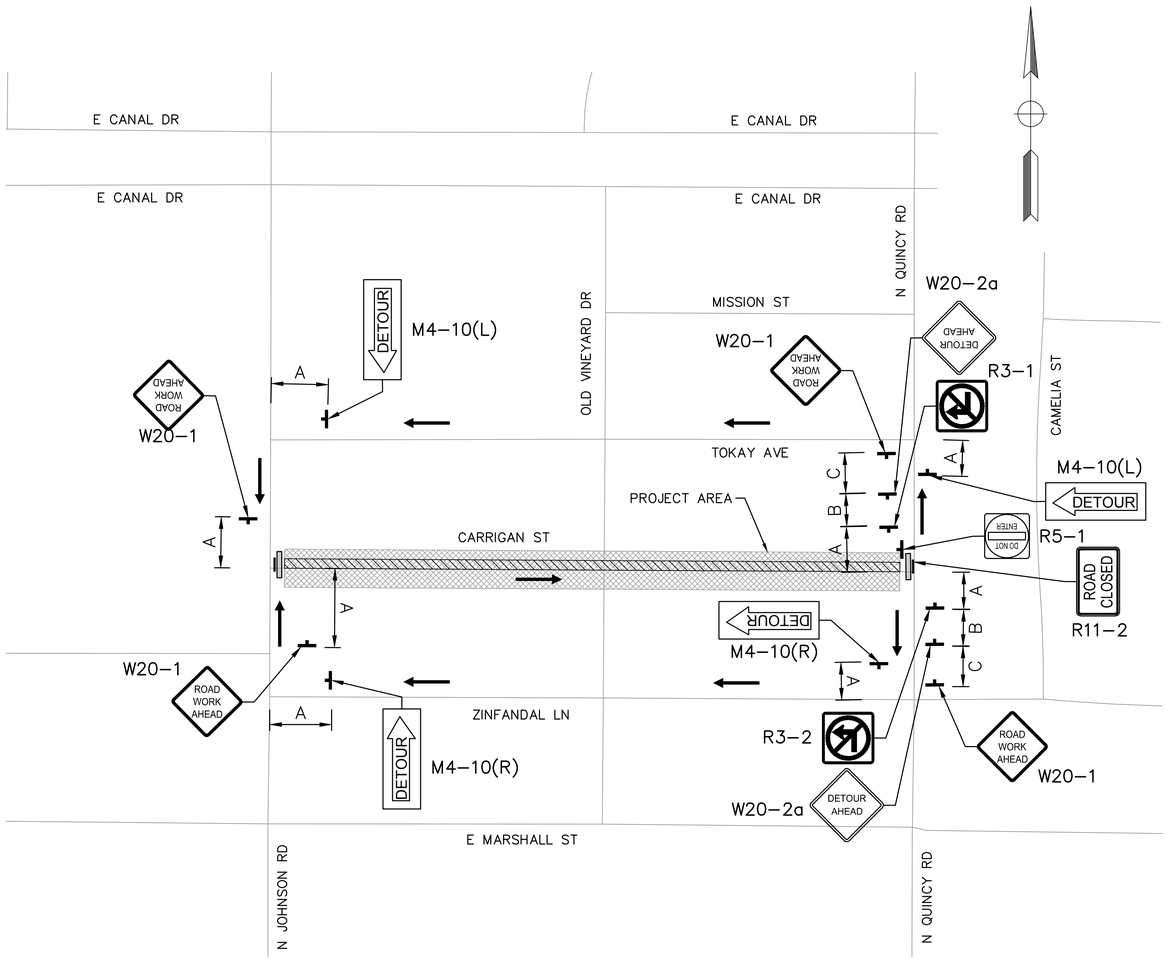
SHEET:
96 OF 169

22-001-P1-07-TD-17.dwg

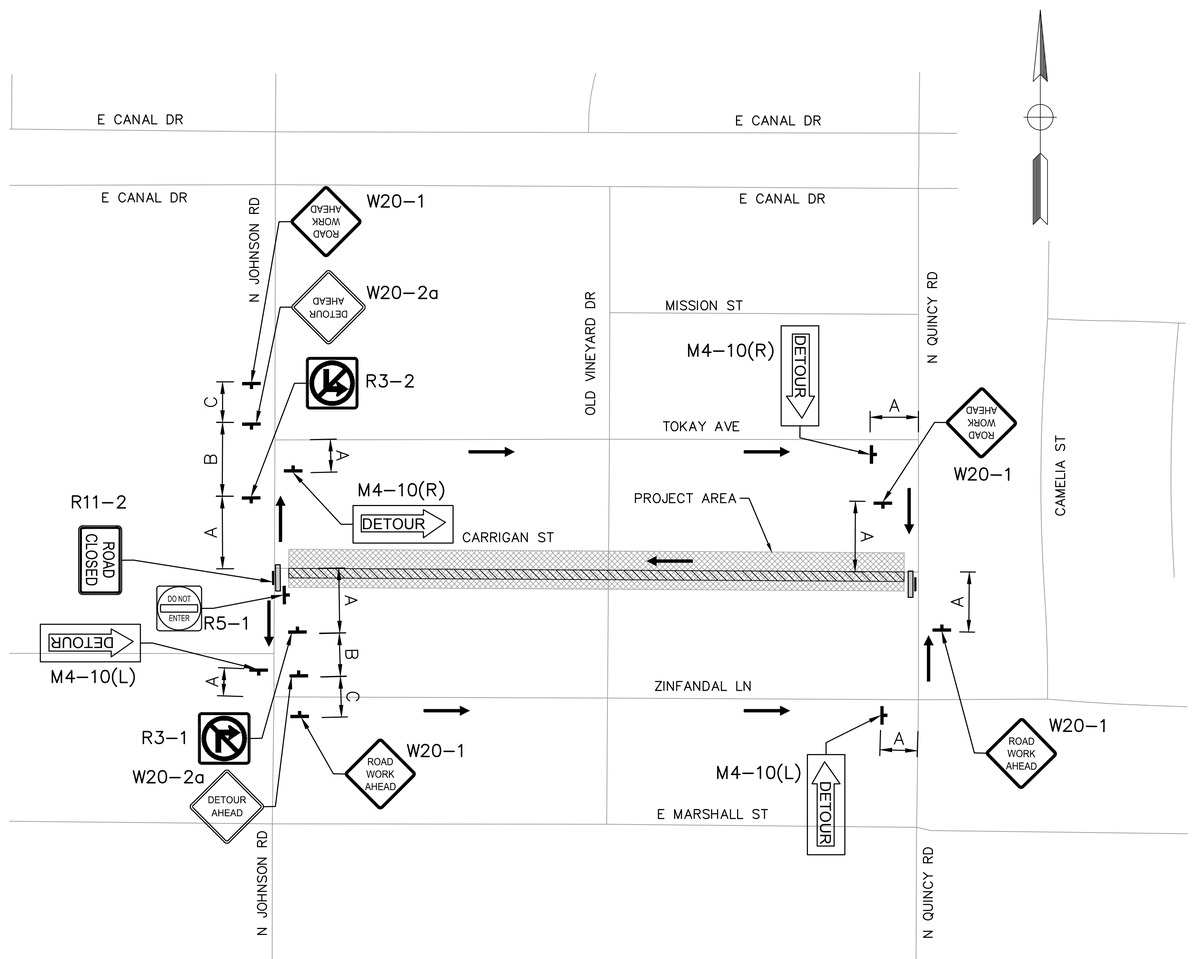
10/28/2022 11:14:11 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



STAGE 1
NTS



STAGE 2
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
CARRIGAN STREET
STAGES 1 AND 2
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

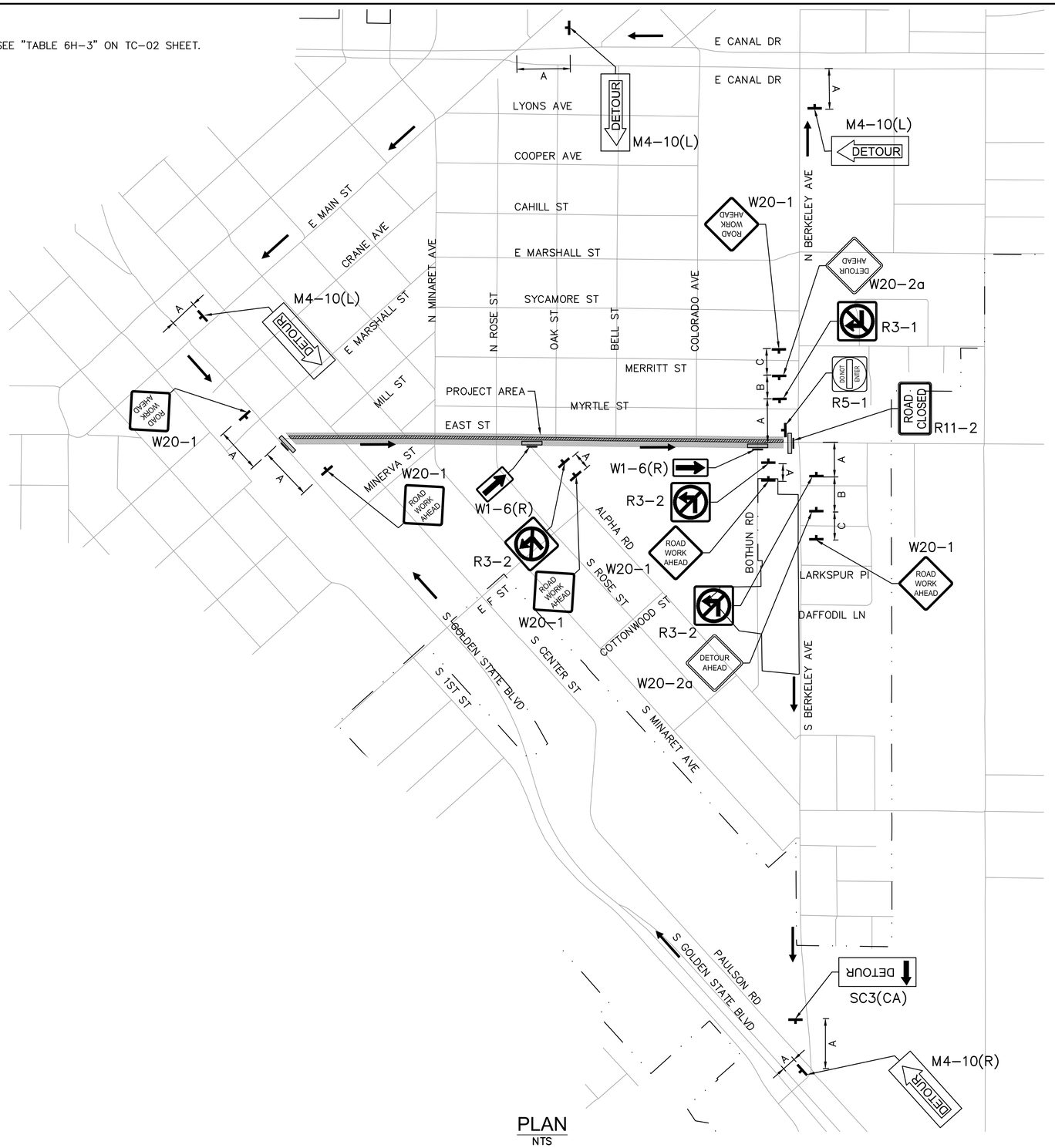
DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
TD-18
SHEET:
97 OF 169

22-001-P1-07-TD-18.dwg
10/28/2022 11:14:20 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
EAST STREET
STAGE 1
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. TD-19

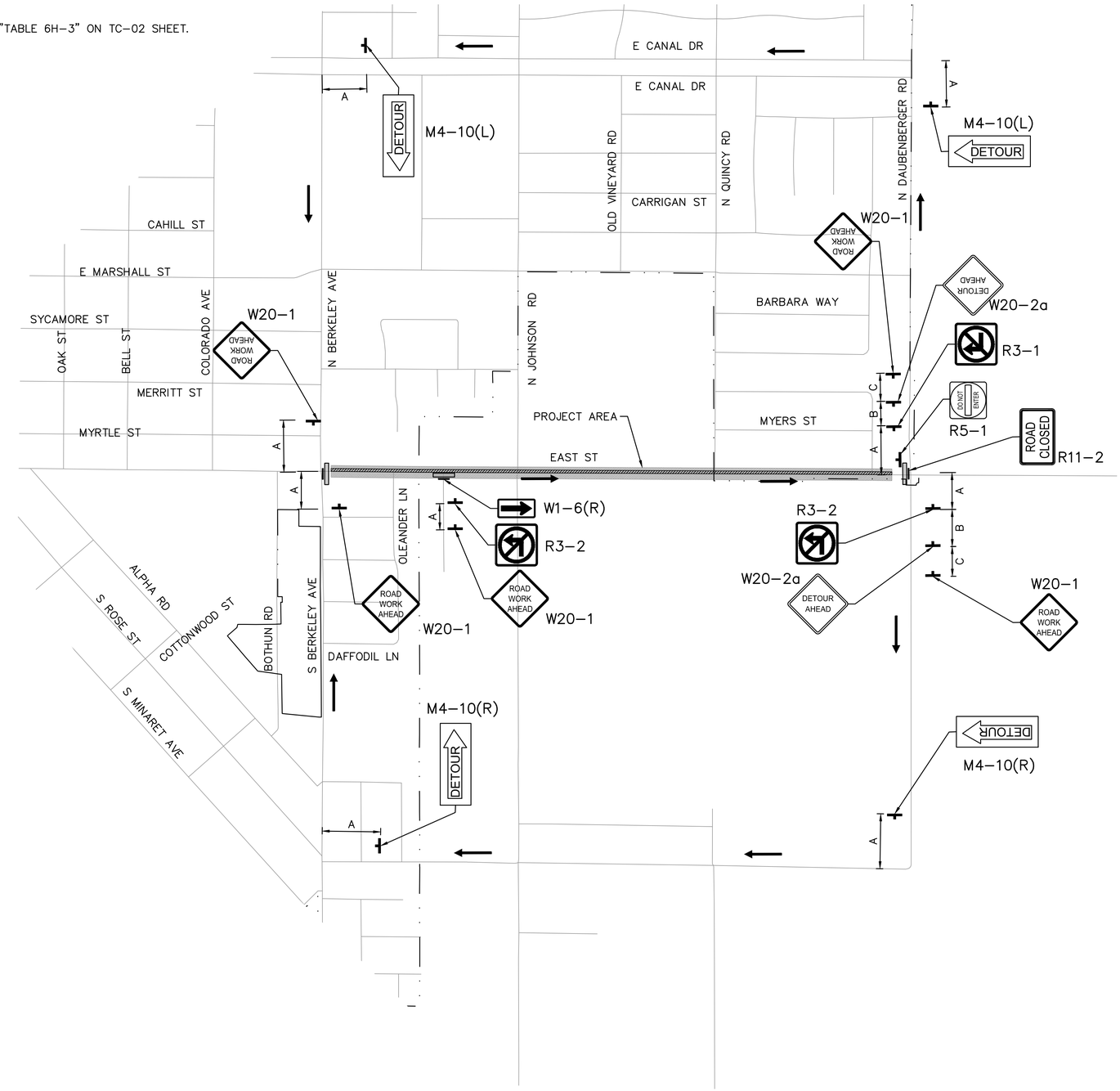
SHEET: 98 OF 169

22-001-P1-07-TD-19.dwg

10/28/2022 11:14:28 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
EAST STREET
STAGE 1
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 — 1/2" — 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY: H.GHAFOURIAN	
REV. BY:	
CH. BY: C. MARTINELL	
DATE: 10/28/2022	
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

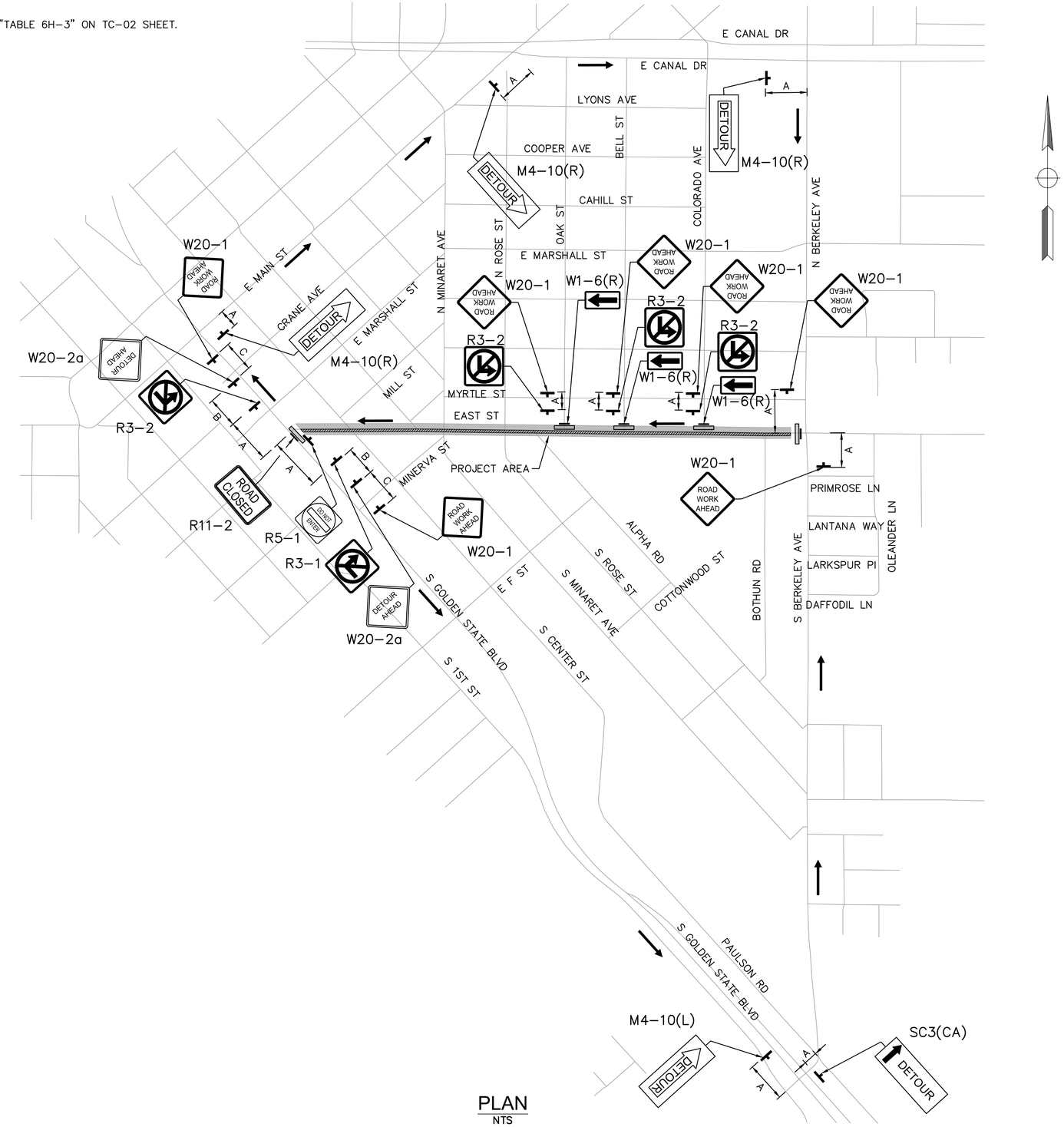
DRAWING No. TD-20

SHEET: 99 OF 169

22-001-P1-07-TD-20.dwg
10/28/2022 11:19:02 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
EAST STREET
STAGE 2
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1/2" 0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY: H.GHAFOURIAN	
REV. BY:	
CH. BY: C. MARTINELL	
DATE: 10/28/2022	
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

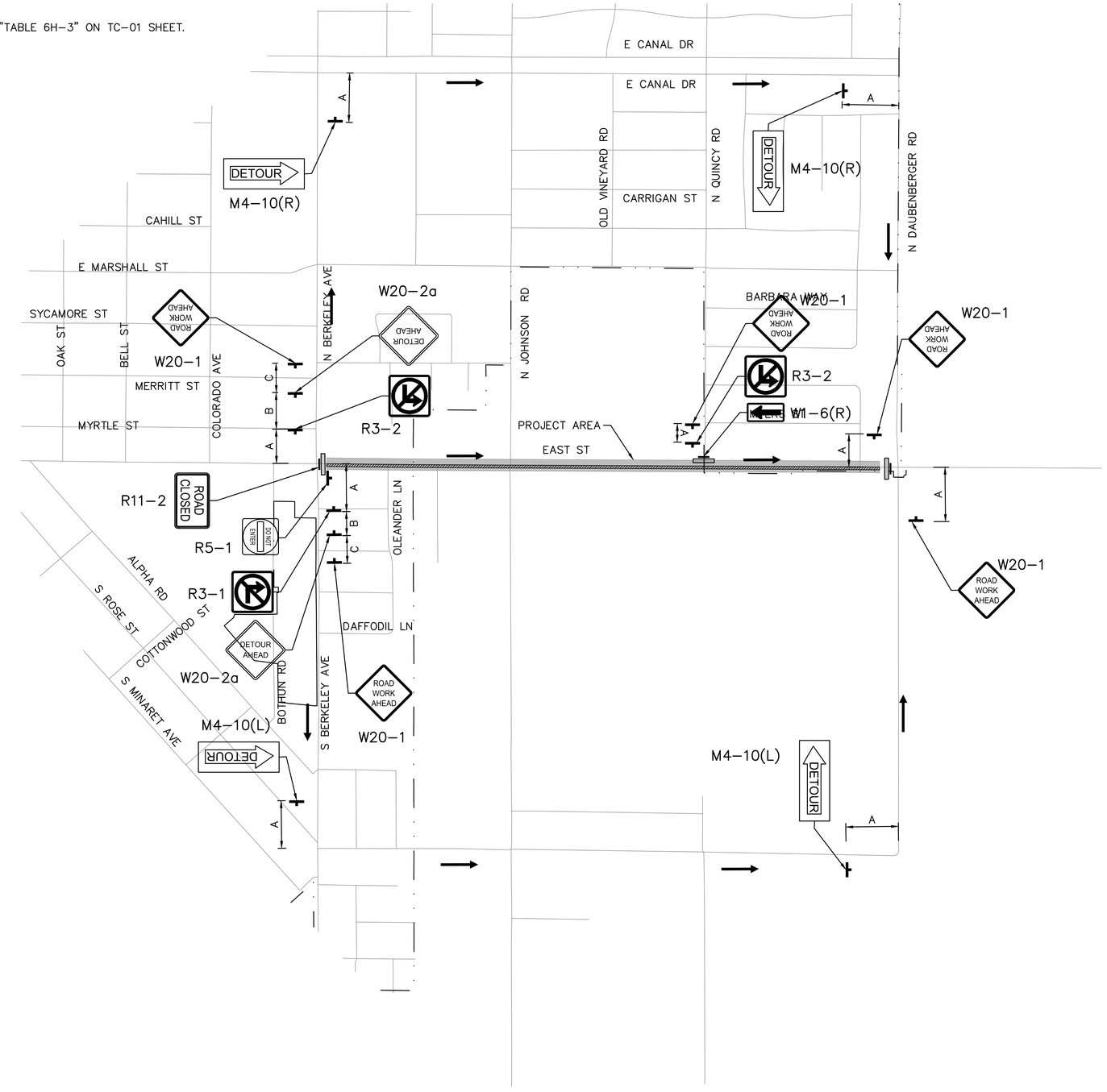
DRAWING No. TD-21

SHEET: 100 OF 169

22-001-P1-07-TD-21.dwg
10/28/2022 11:19:10 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-01 SHEET.



PLAN
NTS

USA NORTH 811
Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
EAST STREET
STAGE 2
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. TD-22

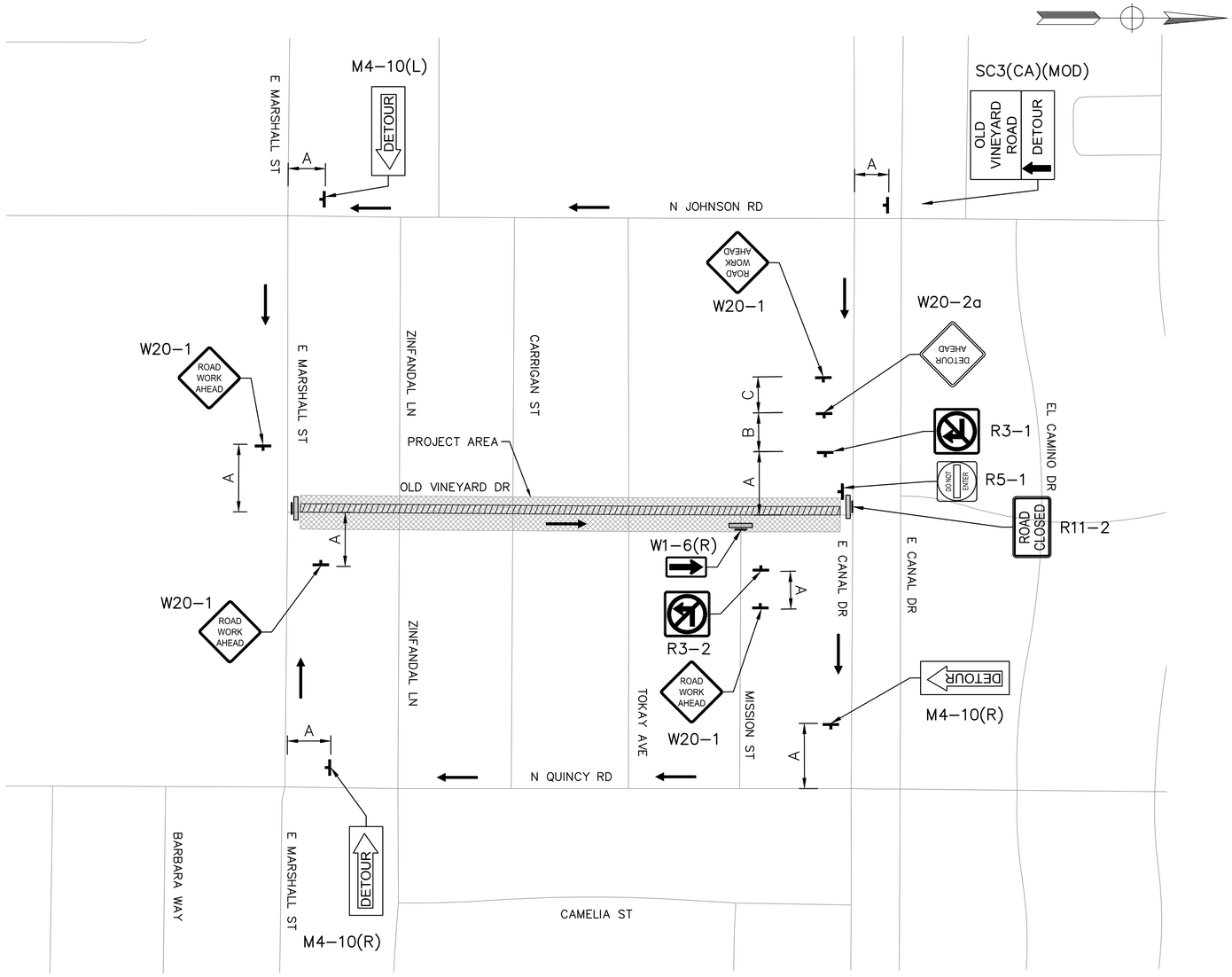
SHEET: 101 OF 169

22-001-P1-07-TD-22.dwg

10/28/2022 11:19:18 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

USA NORTH 811
Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
INC. 1908
CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
OLD VINEYARD ROAD
STAGE 1
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

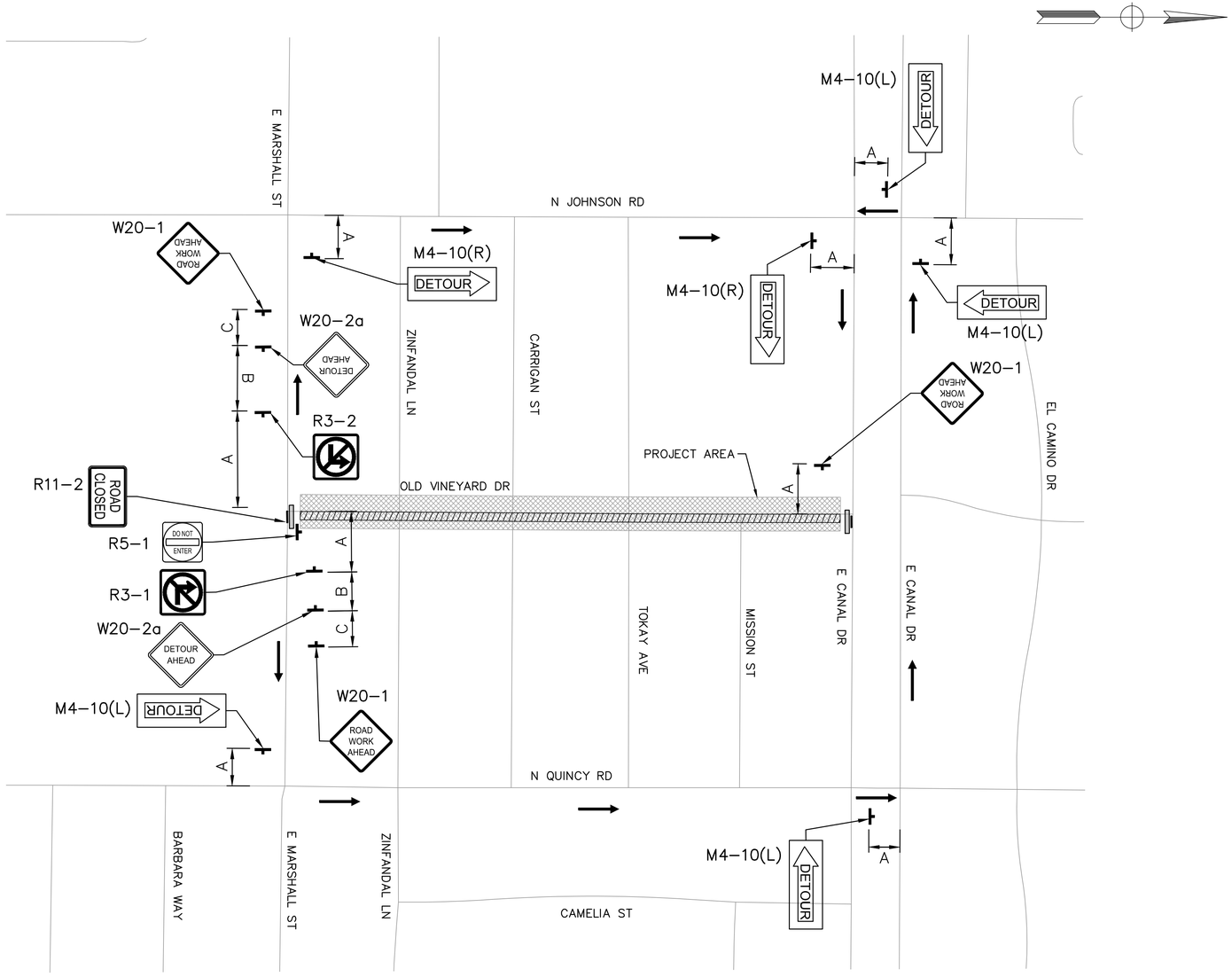
DRAWN BY: H.GHAFOURIAN	
REV. BY:	
CH. BY: C. MARTINELL	
DATE: 10/28/2022	
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

DRAWING No.
TD-23
SHEET:
102 OF 169

22-001-P1-07-TD-23.dwg
10/28/2022 11:19:25 PM

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-01 SHEET.



PLAN
NTS

22-001-P1-07-TD-24.dwg

10/28/2022 11:19:33 PM

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
OLD VINEYARD ROAD
STAGE 1
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

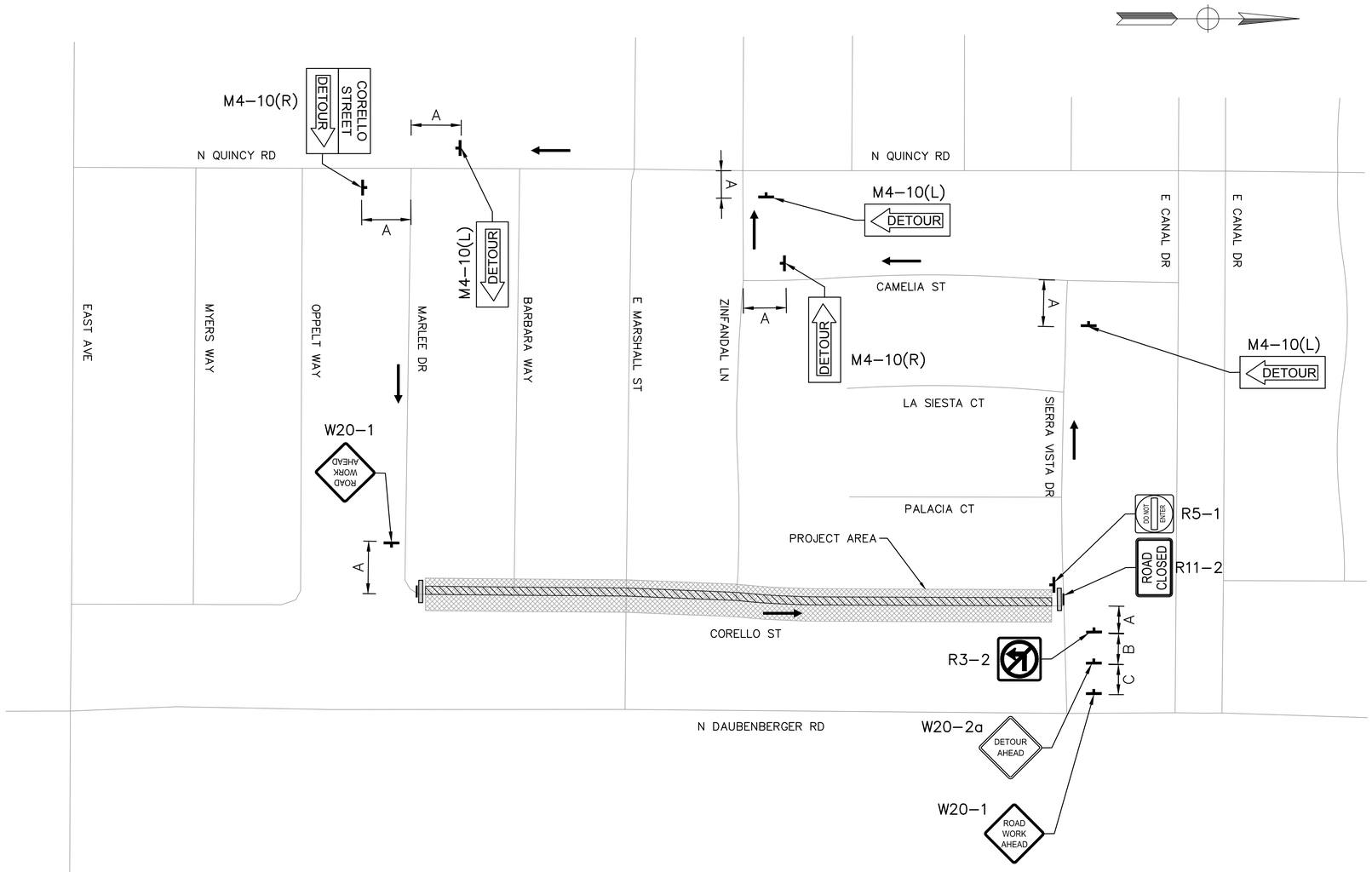
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1/2" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
TD-24
SHEET:
103 OF 169

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-02 SHEET.



PLAN
NTS

22-001-P1-07-TD-25.dwg

10/28/2022 11:19:40 PM

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908
CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
CORELLO STREET
STAGE 1
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

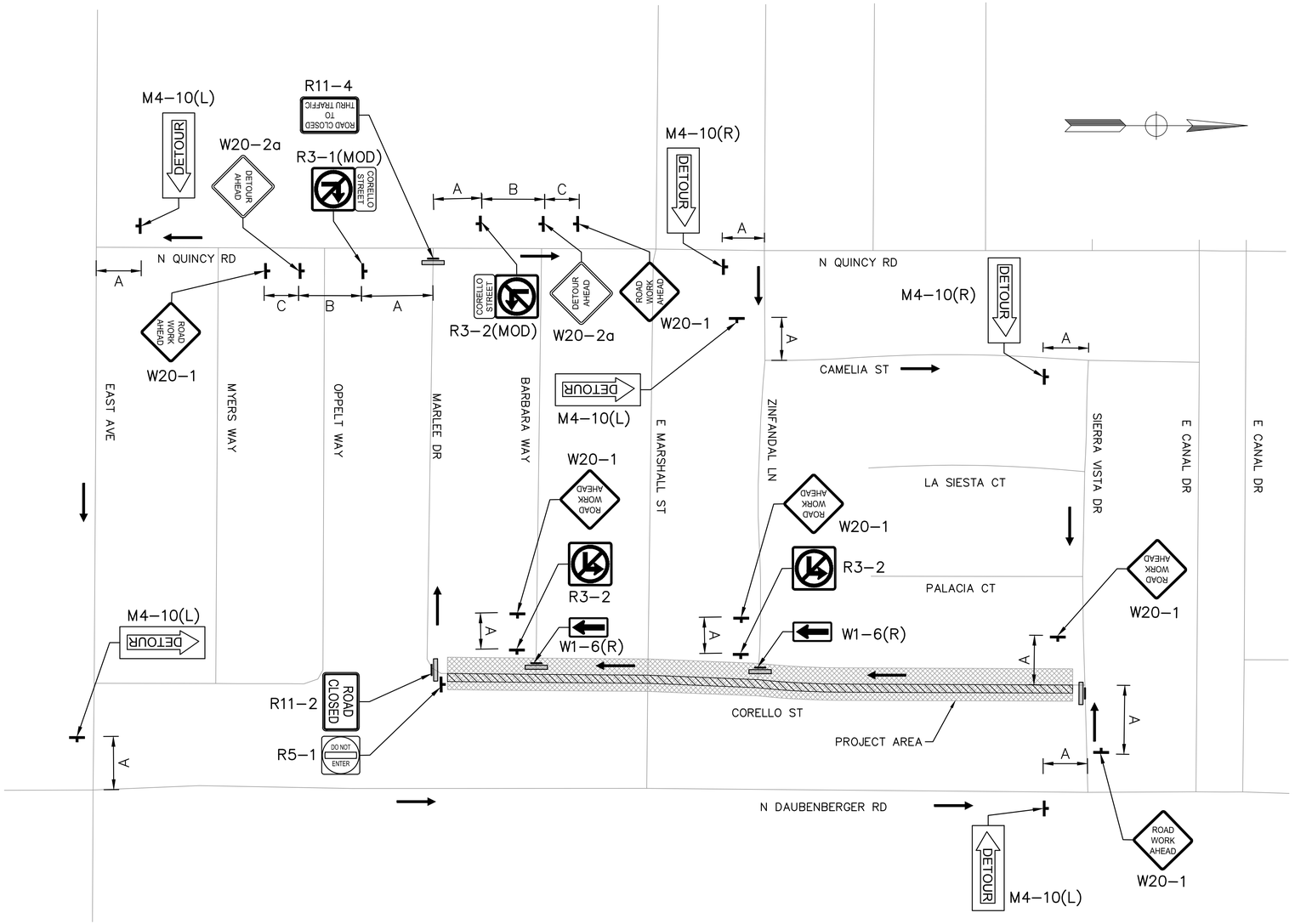
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
TD-25
SHEET:
104 OF 169

NOTES:

1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-01 SHEET.



PLAN
NTS

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

TRAFFIC DETOUR
CORELLO STREET
STAGE 1
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY: H.GHAFOURIAN	
REV. BY:	
CH. BY: C. MARTINELL	
DATE: 10/28/2022	
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

DRAWING No. TD-26

SHEET: 105 OF 169

22-001-P1-07-TD-26.dwg

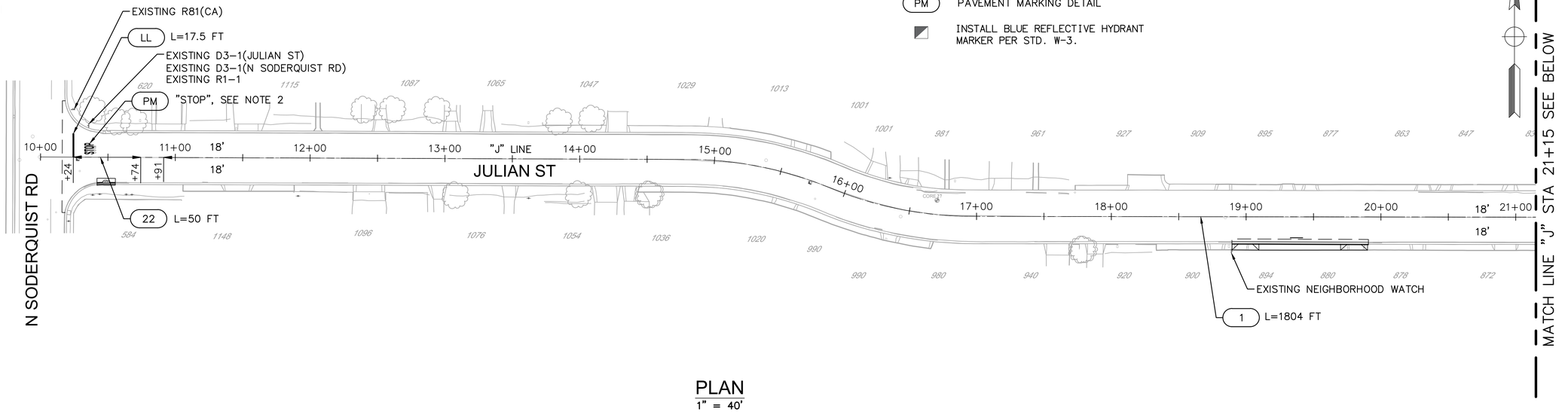
10/28/2022 11:19:48 PM

NOTES:

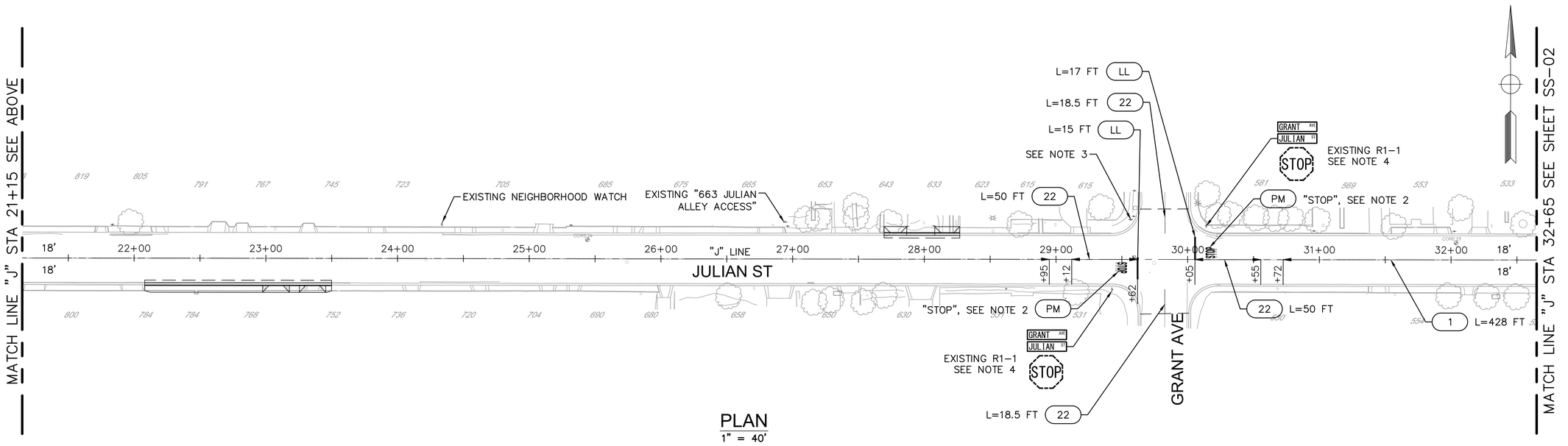
1. PROTECT IN PLACE ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
2. INSTALL "STOP" MARKING PER CALTRANS STANDARD PLAN A24D.
3. REMOVE EXISTING POST AND SIGN PANEL(S) COMPLETELY.
4. PROTECT IN PLACE EXISTING POST AND R1-1 SIGN PANEL PER CA MUTCD FIGURE 2B-1. INSTALL STREET NAME SIGN PANELS ON THE EXISTING POST PER STANDARD ST-10 THRU ST-12.

LEGEND:

- (#) STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.
- (CW) CROSSWALK PER STD. C-17
- (LL) LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.
- (PM) PAVEMENT MARKING DETAIL
- INSTALL BLUE REFLECTIVE HYDRANT MARKER PER STD. W-3.



PLAN
1" = 40'



PLAN
1" = 40'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

SIGNING AND STRIPING PLAN
JULIAN STREET

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H. GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. SS-01

SHEET: 106 OF 169

22-001-P1-09-SS-01.dwg

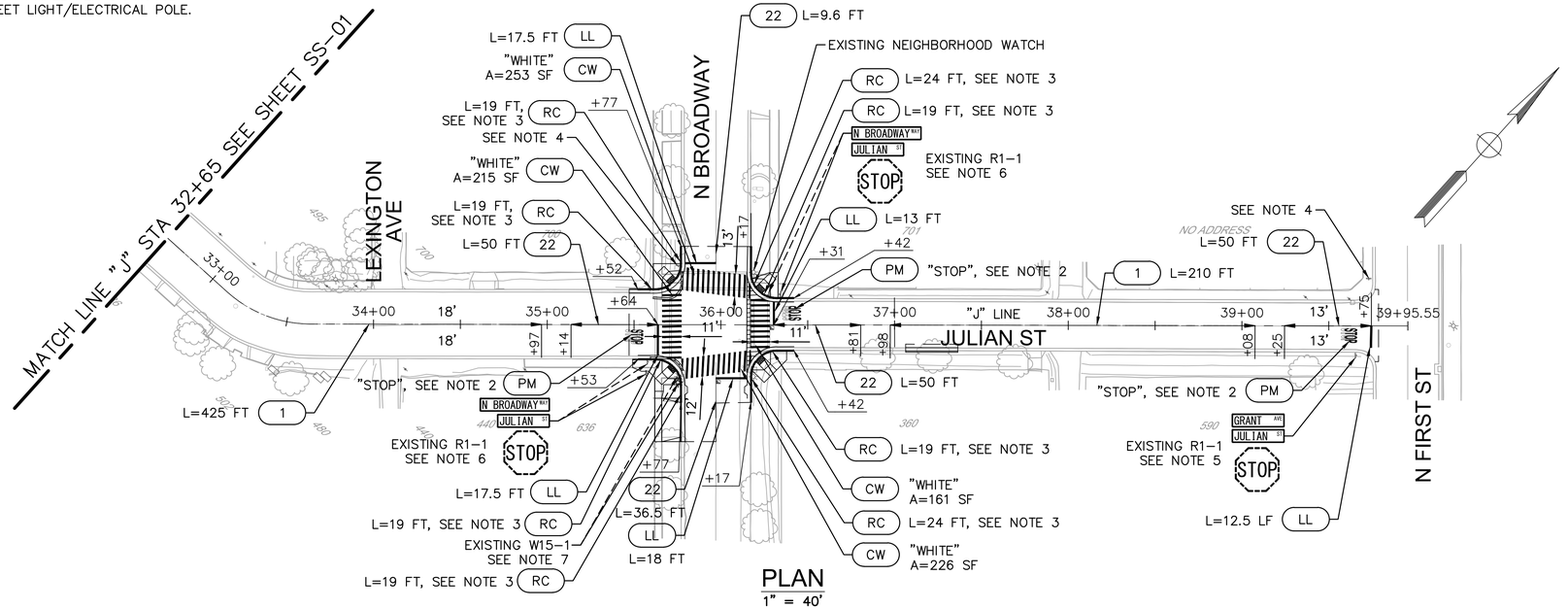
10/26/2022 4:43:14 PM

NOTES:

1. PROTECT IN PLACE ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
2. INSTALL "STOP" MARKING PER CALTRANS STANDARD PLAN A24D.
3. PAINT RED CURB.
4. REMOVE EXISTING POST AND SIGN PANEL(S) COMPLETELY.
5. PROTECT IN PLACE EXISTING POST AND R1-1 SIGN PANEL PER CA MUTCD FIGURE 2B-1. INSTALL STREET NAME SIGN PANELS ON THE EXISTING POST PER STANDARD ST-10 THRU ST-12.
6. RELOCATE EXISTING POST AND R1-1 SIGN PANEL PER CA MUTCD FIGURE 2B-1. INSTALL STREET NAME SIGN PANELS ON THE EXISTING POST PER STANDARD ST-10 THRU ST-12.
7. RELOCATE AND RESET W15-1 SIGN PANEL PER CA MUTCD FIGURE 9B-3 ON THE NEW STREET LIGHT/ELECTRICAL POLE.

LEGEND:

- (#) STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.
- (PM) PAVEMENT MARKING DETAIL
- (CW) CROSSWALK PER STD. C-17
- (LL) LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.
- (RC) RED CURB
- INSTALL BLUE REFLECTIVE HYDRANT MARKER PER STD. W-3.



PLAN
1" = 40'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — CHAD MARTINELL — No. C74650 — Exp. 12/31/2023 — CIVIL — STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

SIGNING AND STRIPING PLAN
JULIAN STREET

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H. GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. SS-02

SHEET: 107 OF 169

22-001-P1-09-SS-02.dwg

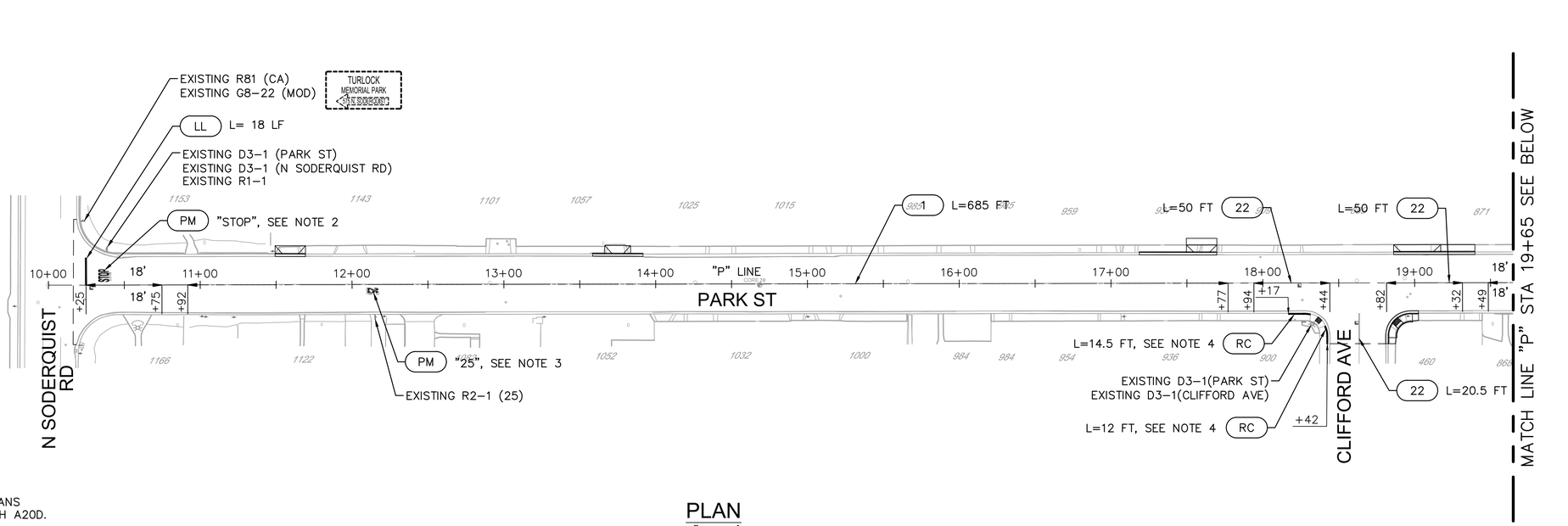
10/26/2022 4:43:34 PM

NOTES:

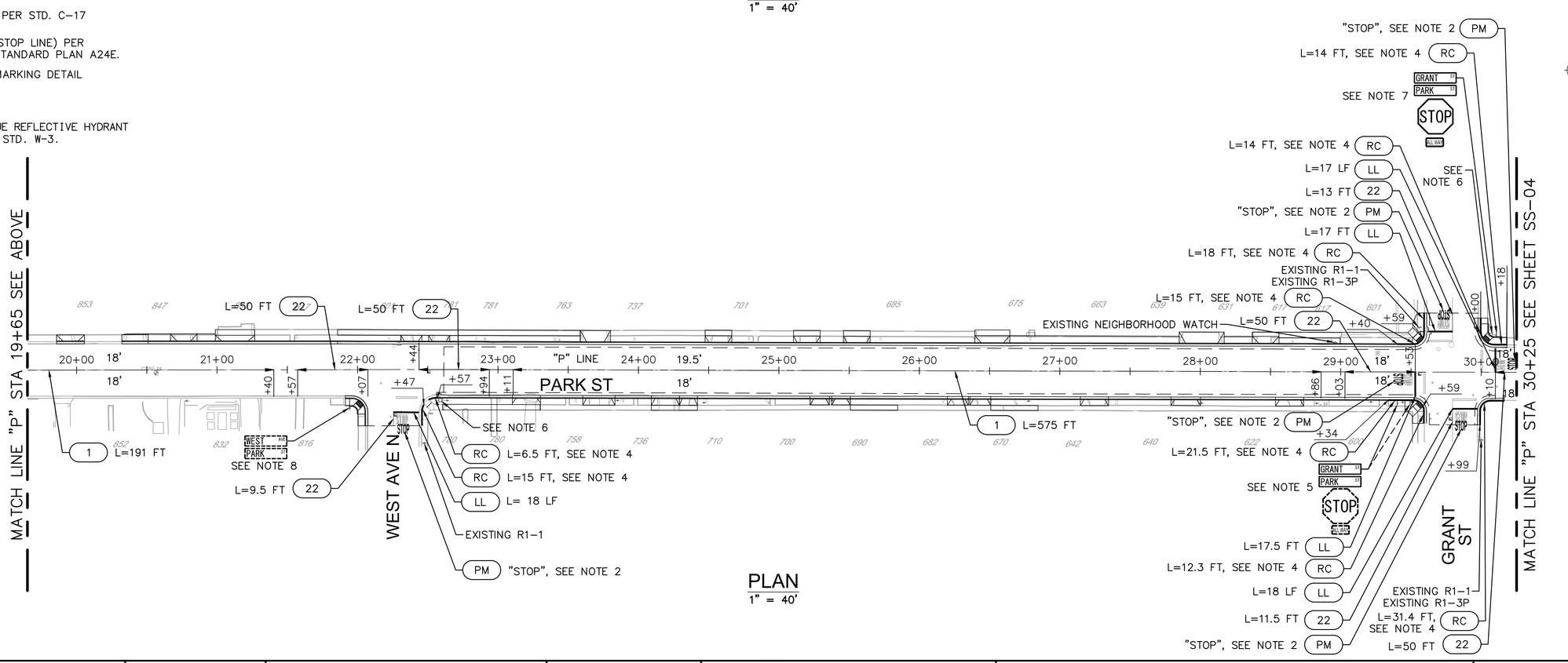
1. PROTECT IN PLACE ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
2. INSTALL "STOP" MARKING PER CALTRANS STANDARD PLAN A24D.
3. INSTALL "25" NUMERAL PER CALTRANS STANDARD PLAN A24C.
4. PAINT RED CURB.
5. RELOCATE EXISTING POST AND SIGN PANELS. INSTALL STREET NAME SIGN PANELS PER STANDARD ST–10 THRU ST–12.
6. REMOVE THE SIGN PANEL(S) FROM THE EXISTING LIGHT POLE.
7. INSTALL STREET NAME SIGN PER STD ST–12, R1–1 SIGN, AND R1–3P SIGN PANELS PER CA MUTCD FIGURE 2B–1 ON NEW POST PER STANDARD ST–10 AND ST–12.
8. RESET STREET NAME SIGN PANELS REMOVED FROM SE CORNER ON NEW POST PER PER STANDARD ST–10 THRU ST–12.

LEGEND:

- (#) STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.
- (CW) CROSSWALK PER STD. C–17
- (LL) LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.
- (PM) PAVEMENT MARKING DETAIL
- (RC) RED CURB
- INSTALL BLUE REFLECTIVE HYDRANT MARKER PER STD. W–3.



PLAN
1" = 40'



PLAN
1" = 40'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

SIGNING AND STRIPING PLAN
PARK STREET

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. SS-03

SHEET: 108 OF 169

22-001-P1-09-SS-03.dwg

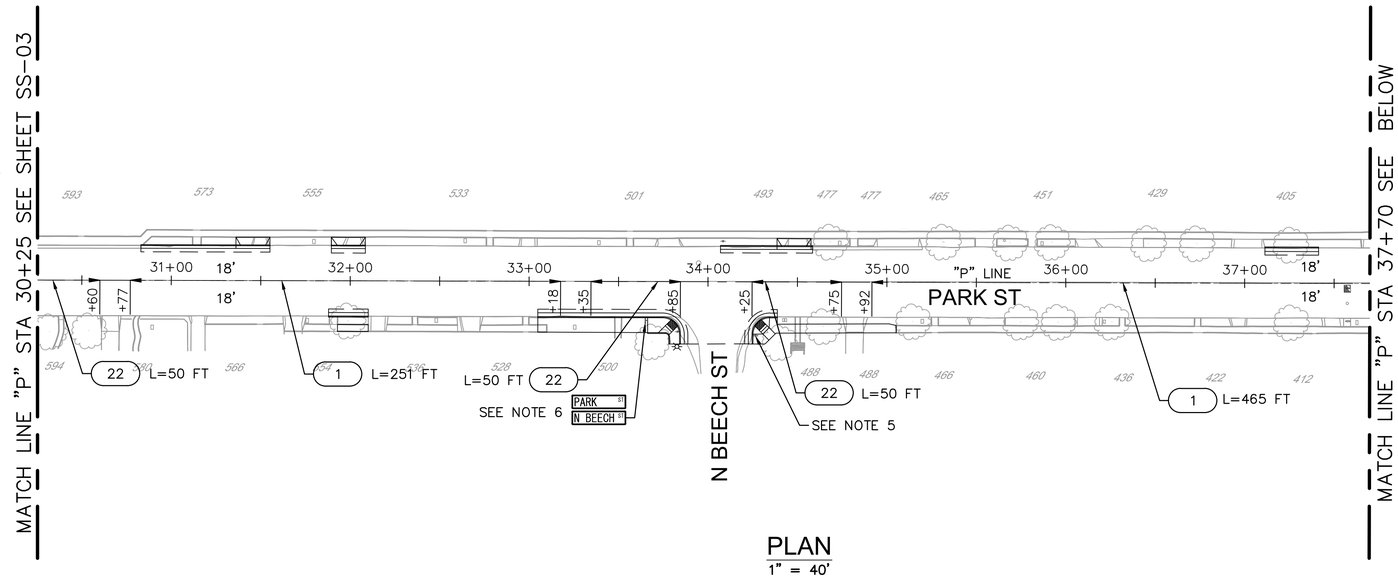
10/26/2022 4:44:01 PM

NOTES:

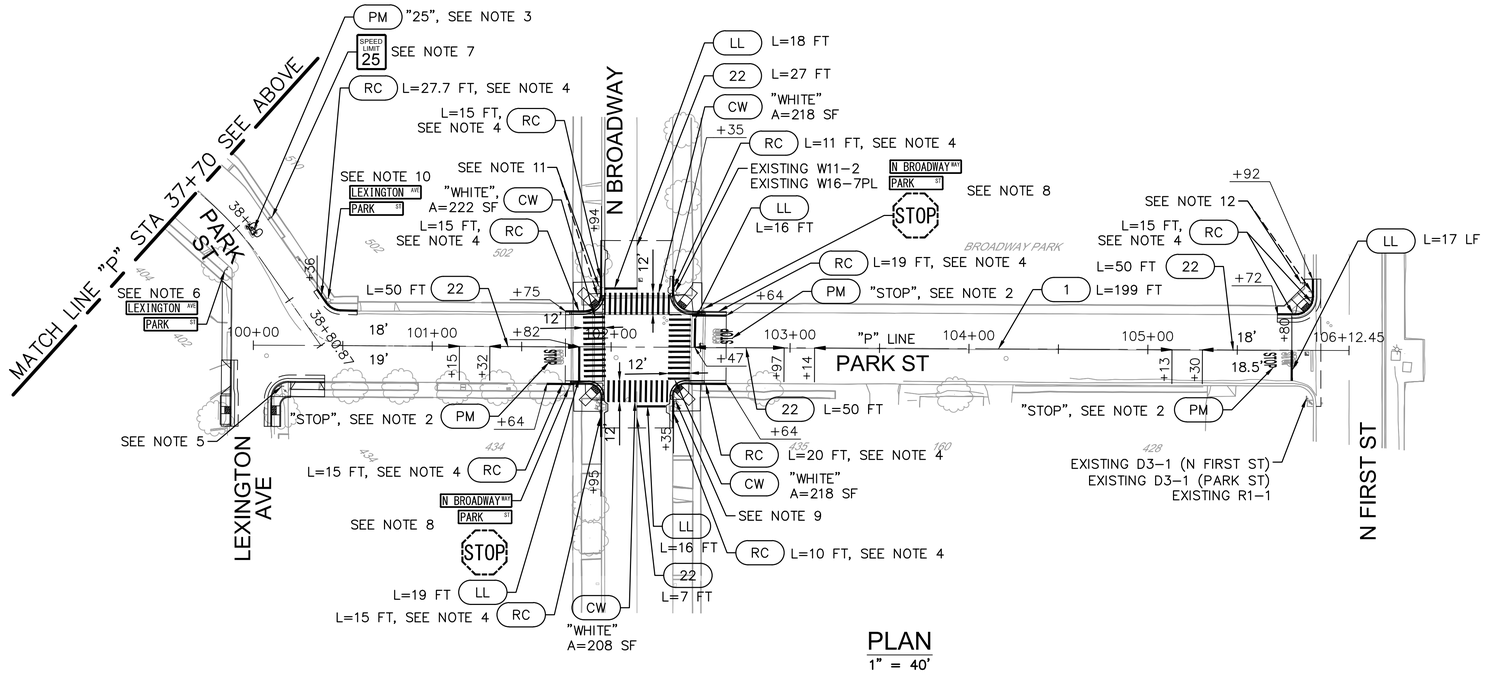
1. PROTECT IN PLACE ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
2. INSTALL "STOP" MARKING PER CALTRANS STANDARD PLAN A24D.
3. INSTALL "25" NUMERAL PER CALTRANS STANDARD PLAN A24C.
4. PAINT RED CURB.
5. REMOVE EXISTING POST AND SIGN PANELS.
6. INSTALL STREET NAME SIGN PANELS ON NEW POST PER STANDARD ST–10 THRU ST–12.
7. INSTALL R2–1 (25) SIGN PANEL PER CA MUTCD FIGURE 2B–3 ON NEW POST PER STANDARD ST–10 THRU ST–12.
8. PROTECT IN PLACE EXISTING POST AND R1–1 SIGN PANEL PER CA MUTCD FIGURE 2B–1. INSTALL STREET NAME SIGN PANELS ON EXISTING POST PER STANDARD ST–10 THRU ST–12.
9. REMOVE EXISTING STREET NAME SIGN PANELS FROM EXISTING STREET LIGHT POLE.
10. INSTALL STREET NAME SIGN PANELS ON EXISTING STREET LIGHT POLE PER STANDARD ST–10 THRU ST–12.
11. RESET W11–2 SIGN PER CA MUTCD FIGURE 2C–11 AND W16–7P SIGN PANELS PER CA MUTCD FIGURE 2C–12 ON THE NEW STREET LIGHT POLE,
12. RELOCATE R2–1 (35) SIGN PANEL PER CA MUTCD FIGURE 2B–3.

LEGEND:

- (#) STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.
- (CW) CROSSWALK PER STD. C–17
- (LL) LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.
- (PM) PAVEMENT MARKING DETAIL
- (RC) RED CURB
- INSTALL BLUE REFLECTIVE HYDRANT MARKER PER STD. W–3.



PLAN
1" = 40'



PLAN
1" = 40'

USA NORTH 811 Call 811 Before You Dig

NOTE: ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAD MARTINELL No. C74650 Exp. 12/31/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

SIGNING AND STRIPING PLAN
PARK STREET

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H. GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. SS-04
SHEET: 109 OF 169

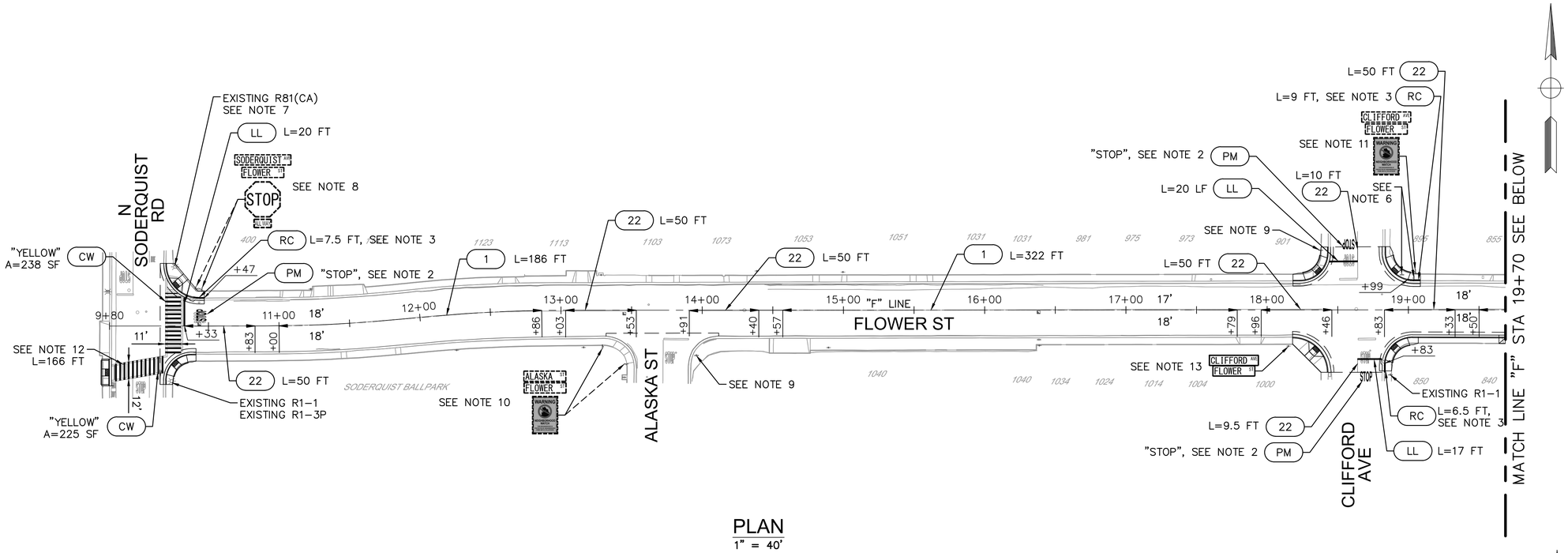
22–001–P1–09–SS–04.dwg
10/26/2022 4:44:37 PM

NOTES:

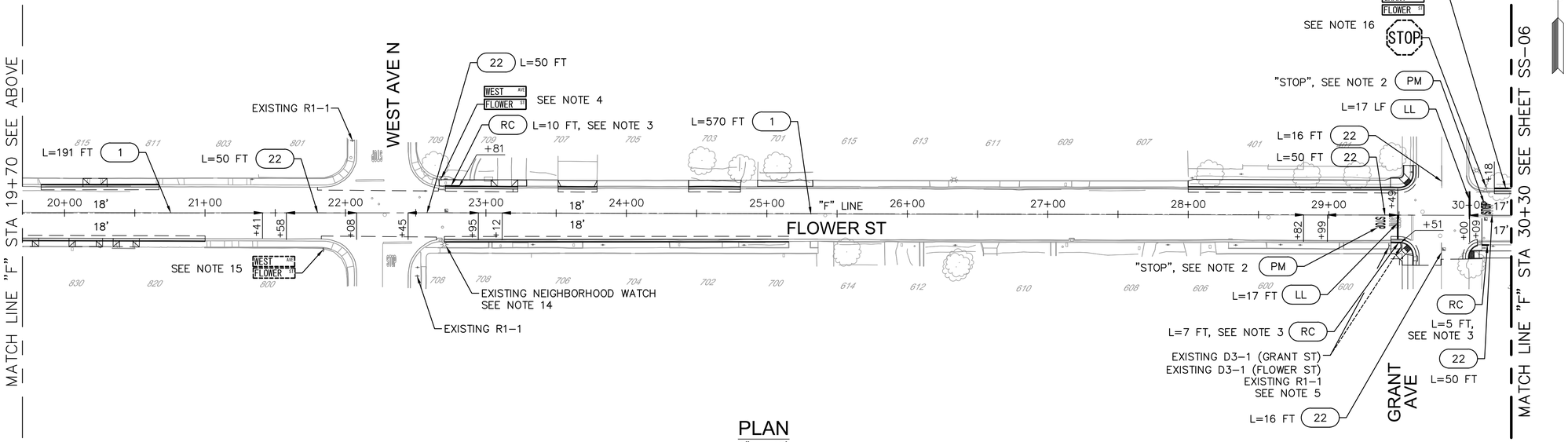
1. PROTECT IN PLACE ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
2. INSTALL "STOP" MARKING PER CALTRANS STANDARD PLAN A24D.
3. PAINT RED CURB.
4. INSTALL STREET NAME SIGN PANELS ON NEW POST PER STANDARD ST–10 THRU ST–12.
5. RELOCATE EXISTING POST AND SIGN PANEL(S).
6. REMOVE EXISTING POST AND SIGN PANEL(S)..
7. RESET R81(CA) SIGN PANEL PER CA MUTCD FIGURE 9B–2(CA) ON NEW STREET LIGHT POLE. REMOVE EXISTING STREET NAME SIGN PANELS FROM EXISTING STREET LIGHT POLE.
8. RELOCATE EXISTING POST, R1–1 SIGN, AND R1–3P SIGN PANELS PER CA MUTCD FIGURE 2B–1. RESET STREET NAME SIGN PANELS REMOVED FROM STREET LIGHT POLE ON THE EXISTING POST PER STANDARD ST–10 THRU ST–12.
9. PROTECT IN PLACE EXISTING POST AND R1–1 SIGN PANEL PER CA MUTCD FIGURE 2B–1. REMOVE STREET NAME SIGN PANELS FROM EXISTING POST.
10. RELOCATE EXISTING POST AND NEIGHBORHOOD WATCH SIGN PANEL. RESET STREET NAME SIGN PANELS REMOVED FROM SE CORNER ON EXISTING POST PER STANDARD ST–10 THRU ST–12.
11. RESET STREET NAME SIGN PER STD ST–12 REMOVED FROM NW CORNER AND NEIGHBORHOOD WATCH SIGN PANELS REMOVED FROM NE CORNER ON NEW POST PER STANDARD ST–10 THRU ST–12.
12. REMOVE EXISTING CROSSWALK WITH SANDBLASTING.
13. INSTALL STREET NAME SIGN PANELS ON EXISTING STREET ELECTRICAL POLE PER STANDARD ST–10 THRU ST–12.
14. PROTECT IN PLACE EXISTING SIGN PANEL. REMOVE STREET NAME SIGN PANELS FROM EXISTING STREET LIGHT POLE.
15. RESET STREET NAME SIGN PANELS REMOVED FROM SE CORNER ON EXISTING STREET ELECTRICAL POLE PER STD ST–10 THRU ST–12.
16. PROTECT IN PLACE EXISTING POST AND R1–1 SIGN PANEL PER CA MUTCD FIGURE 2B–1. INSTALL STREET NAME SIGN PANELS ON EXISTING POST PER STANDARD ST–10 THRU ST–12.

LEGEND:

- (#) STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.
- (CW) CROSSWALK PER STD. C–17
- (LL) LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.
- (PM) PAVEMENT MARKING DETAIL
- (RC) RED CURB
- INSTALL BLUE REFLECTIVE HYDRANT MARKER PER STD. W–3.



PLAN
1" = 40'



PLAN
1" = 40'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAD MARTINELL No. C74650 Exp. 12/31/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908
CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

SIGNING AND STRIPING PLAN
FLOWER STREET

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. SS-05

SHEET: 110 OF 169

22-001-P1-09-SS-05.dwg

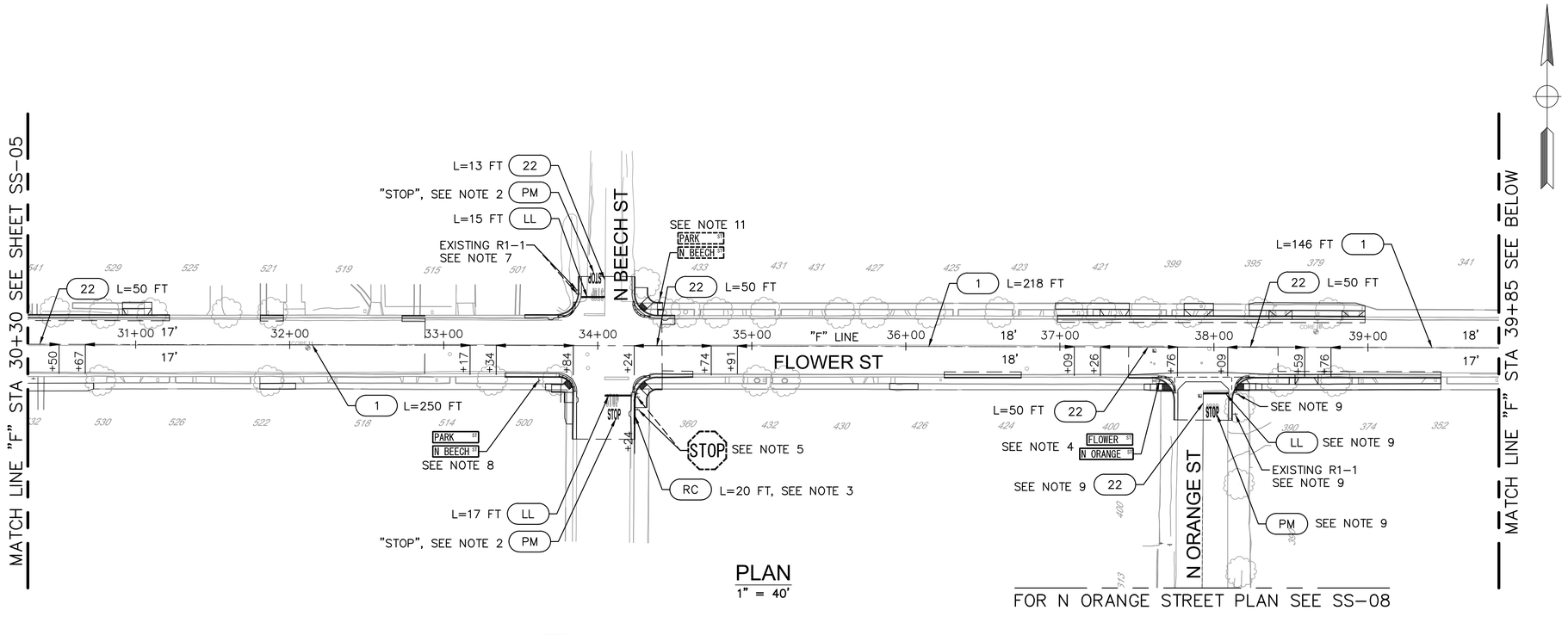
10/26/2022 4:45:13 PM

NOTES:

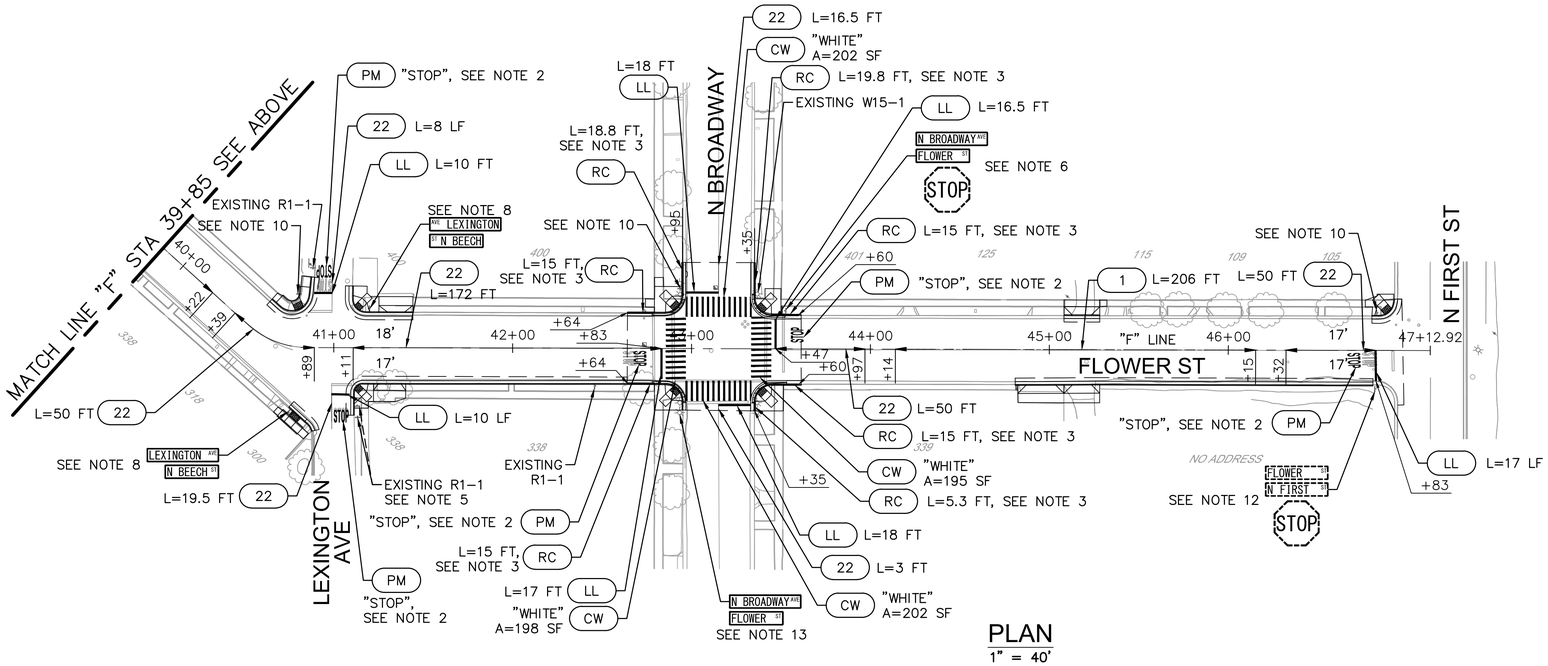
1. PROTECT IN PLACE ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
2. INSTALL "STOP" MARKING PER CALTRANS STANDARD PLAN A24D.
3. PAINT RED CURB.
4. INSTALL STREET NAME SIGN PANELS ON EXISTING STREET LIGHT/ELECTRICAL POLE PER STANDARD ST–10 AND ST–12.
5. RELOCATE EXISTING POST AND SIGN PANEL(S).
6. PROTECT IN PLACE EXISTING POST AND R1–1 SIGN PANEL PER CA MUTCD FIGURE 2B–1. INSTALL STREET NAME SIGN PANELS ON EXISTING POST PER STANDARD ST–10 THRU ST–12.
7. RELOCATE EXISTING POST AND R1–1 SIGN PANEL PER CA MUTCD FIGURE 2B–1. REMOVE STREET NAME SIGN PANELS FROM EXISTING POST.
8. INSTALL STREET NAME SIGN PANELS ON NEW POST PER STANDARD ST–10 THRU ST–12.
9. REFER TO SHEET SS–08 FOR N ORANGE STREET SIGNING AND STRIPING INFORMATION.
10. REMOVE EXISTING POST AND SIGN PANEL(S) COMPLETELY.
11. RESET STREET NAME SIGN PANELS REMOVED FROM NW CORNER ON NEW POST PER STANDARD ST–10 THRU ST–12.
12. PROTECT IN PLACE EXISTING POST AND R1–1 SIGN PANEL PER CA MUTCD FIGURE 2B–1. RESET STREET NAME SIGN PANELS REMOVED FROM NW CORNER ON EXISTING POST PER STANDARD ST–10 THRU ST–12.
13. INSTALL STREET NAME SIGN PANELS ON REPLACED/ RELOCATED STREET LIGHT/ELECTRICAL POST PER STANDARD ST–10 AND ST–12.

LEGEND:

(#)	STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.
(CW)	CROSSWALK PER STD. C–17
(LL)	LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.
(PM)	PAVEMENT MARKING DETAIL
(RC)	RED CURB
◪	INSTALL BLUE REFLECTIVE HYDRANT MARKER PER STD. W–3.



PLAN
1" = 40'



PLAN
1" = 40'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAD MARTINELL No. C74650 Exp. 12/31/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

SIGNING AND STRIPING PLAN FLOWER STREET

CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 — 1/2" — 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H. GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. SS-06
SHEET: 111 OF 169

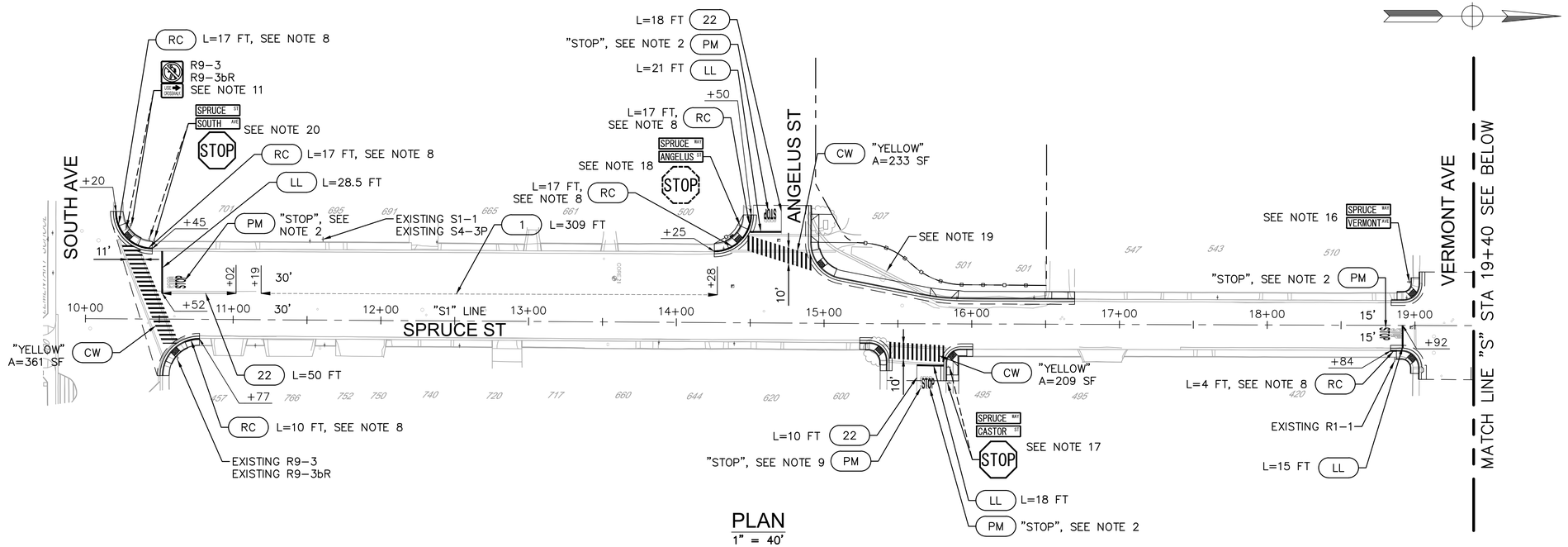
22-001-P1-09-SS-06.dwg
10/26/2022 4:45:50 PM

NOTES:

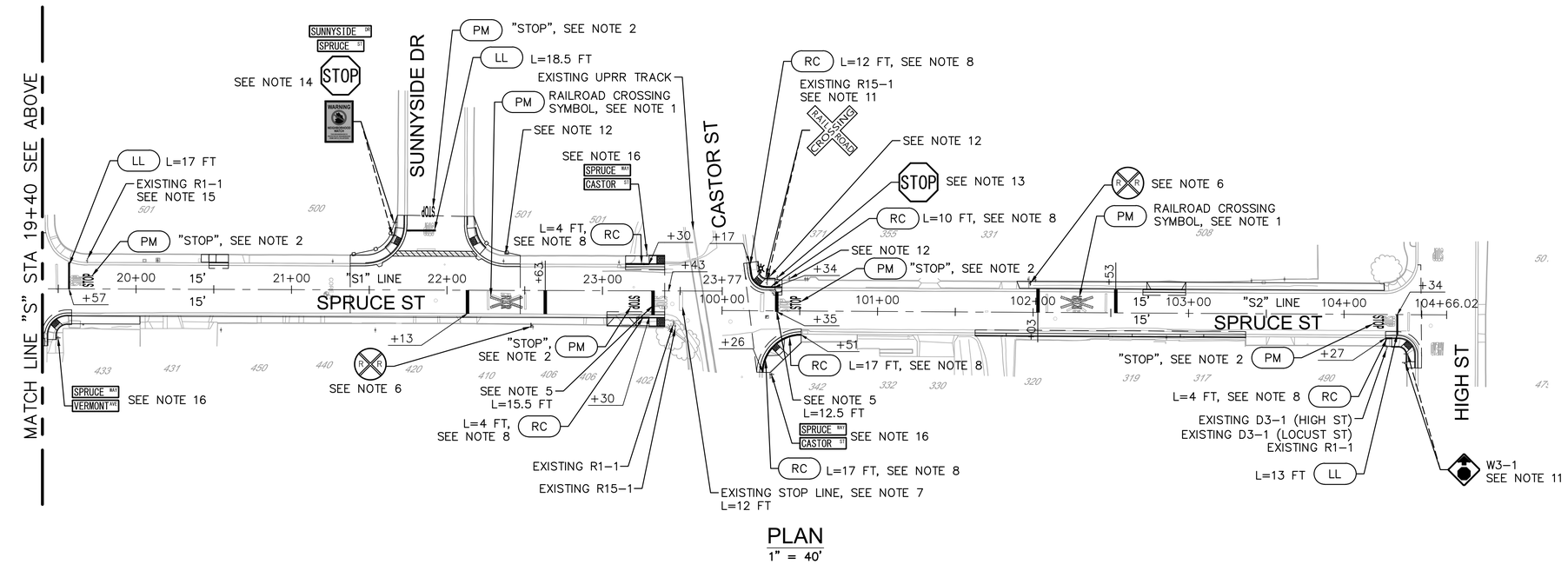
1. INSTALL RAIL ROAD CROSSING SYMBOL PER CALTRANS STANDARD PLAN A24B.
2. INSTALL "STOP" MARKING PER CALTRANS STANDARD PLAN A24D.
3. INSTALL CROSSWALK PER STD C-17.
4. INSTALL LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.
5. INSTALL 2' WIDE LIMIT LINE (STOP LINE) PER CA MUTCD FIGURE 8B-6 (CA).
6. REMOVE EXISTING SIGN PANEL. INSTALL 36" W10-1 SIGN PANEL PER CA MUTCD FIGURE 8B-4 ON EXISTING POST.
7. REMOVE EXISTING STRIPING BY SANDBLASTING.
8. PAINT RED CURB.
9. REMOVE EXISTING PAVEMENT MARKING BY SANDBLASTING.
10. PROTECT IN PLACE ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
11. RELOCATE EXISTING POST AND SIGN PANELS(S).
12. REMOVE EXISTING POST AND SIGN PANEL(S) COMPLETELY.
13. INSTALL R1-1 SIGN PANEL PER CA MUTCD FIGURE 2B-1 ON NEW POST PER STANDARD ST-10 THRU ST-11.
14. REMOVE EXISTING POST AND SIGN PANEL(S) COMPLETELY. INSTALL STREET NAME SIGN PER STANDARD ST-12, R1-1 SIGN PER CA MUTCD FIGURE 2B-1, AND NEIGHBORHOOD WATCH SIGN PANELS ON NEW POST PER STANDARD ST-10 THRU ST-12.
15. PROTECT IN PLACE EXISTING POST AND R1-1 SIGN PANEL. REMOVE STREET NAME SIGN PANELS FROM EXISTING POST.
16. INSTALL STREET NAME SIGN PANELS ON NEW POST PER STANDARD ST-10 THRU ST-12.
17. RELOCATE EXISTING POST AND R1-1 SIGN PANEL. INSTALL STREET NAME SIGN PANELS ON EXISTING POST PER STANDARD ST-10 THRU ST-12.
18. PROTECT IN PLACE EXISTING POST AND R1-1 SIGN PANEL. INSTALL STREET NAME SIGN PANELS ON THE EXISTING POST PER STANDARD ST-10 THRU ST-12.
19. REMOVE EXISTING STREET NAME SIGN PANELS FROM STREET LIGHT POLE.
20. REMOVE EXISTING POST AND SIGN PANEL(S) COMPLETELY. INSTALL STREET NAME SIGN PER STANDARD ST-12, R1-1 SIGN PANELS PER CA MUTCD FIGURE 2B-1 ON NEW POST PER STANDARD ST-10 THRU ST-12.

LEGEND:

- (#) STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.
- (CW) CROSSWALK PER STD. C-17
- (LL) LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.
- (PM) PAVEMENT MARKING DETAIL
- (RC) RED CURB
- INSTALL BLUE REFLECTIVE HYDRANT MARKER PER STD. W-3
- INSTALL RAILROAD CROSSING SYMBOL.



PLAN
1" = 40'



PLAN
1" = 40'

USA NORTH 811
Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

SIGNING AND STRIPING PLAN
SPRUCE STREET
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY: H. GHAFOURIAN	
REV. BY:	
CH. BY: C. MARTINELL	
DATE: 10/28/2022	
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

DRAWING No.
SS-07
SHEET:
112 OF 169

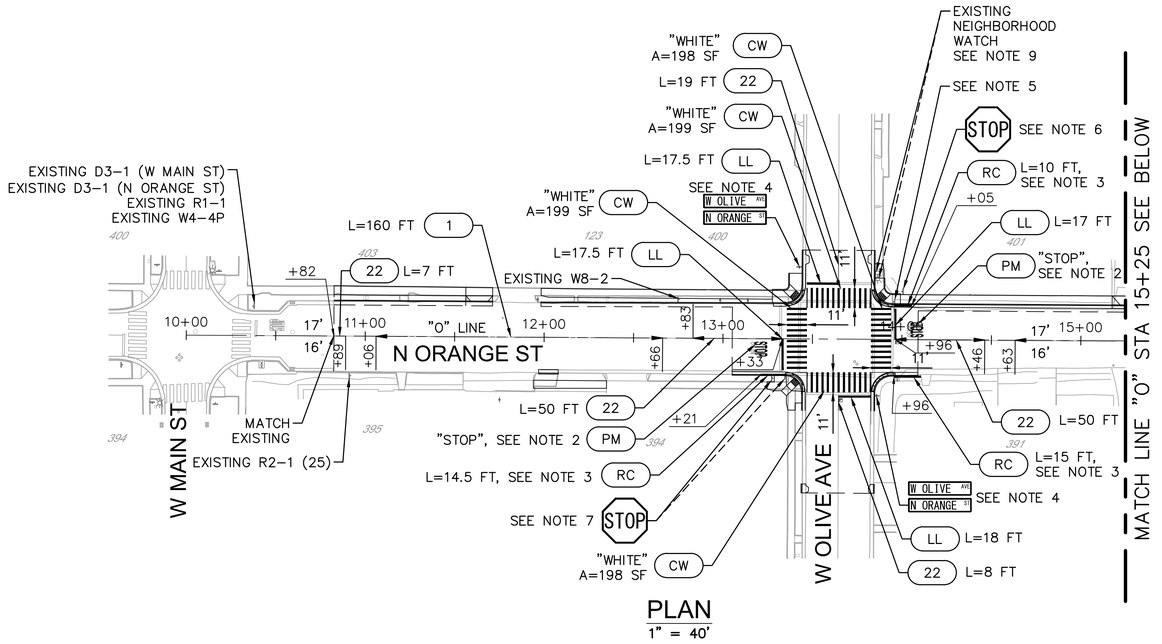
22-001-P1-09-SS-07.dwg
10/26/2022 4:46:25 PM

NOTES:

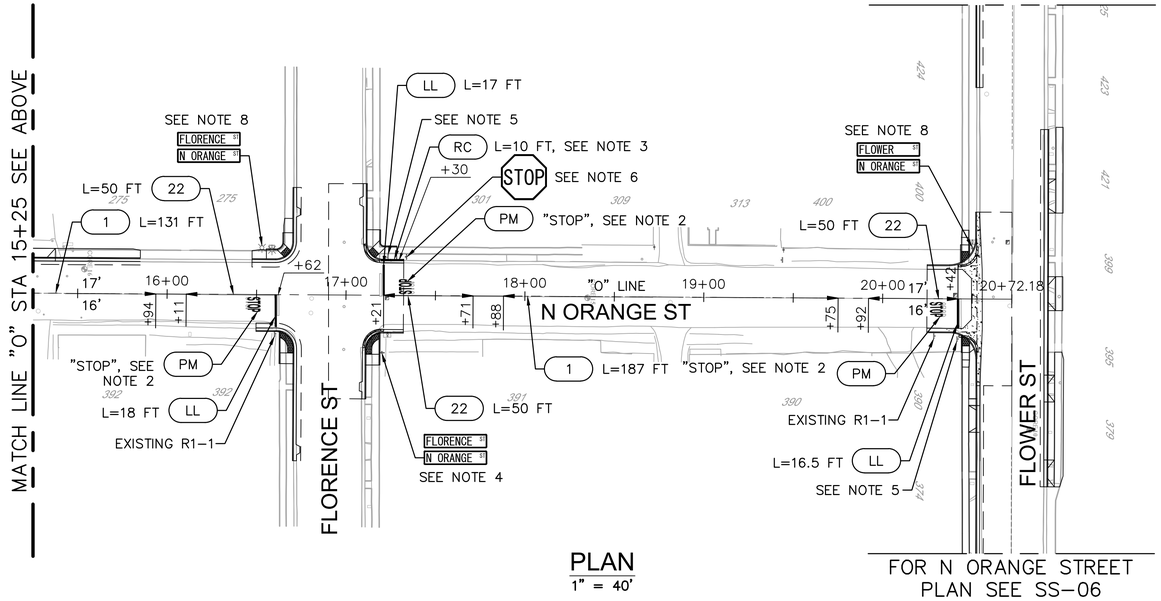
1. PROTECT IN PLACE ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
2. INSTALL "STOP" MARKING PER CALTRANS STANDARD PLAN A24D.
3. PAINT RED CURB.
4. INSTALL STREET NAME SIGN PANELS ON NEW POST PER STANDARD ST–10 THRU ST–12.
5. REMOVE EXISTING POST AND SIGN PANEL(S) COMPLETELY.
6. INSTALL R1–1 SIGN PANEL PER CA MUTCD FIGURE 2B–1 ON NEW POST PER STANDARD ST–10 THRU ST–12
7. RELOCATE POST AND SIGN PANEL(S).
8. INSTALL STREET NAME SIGN PANELS ON THE REPLACED/ RELOCATED STREET LIGHT POLE PER STANDARD ST–10 THRU ST–12.
9. RESET EXISTING NEIGHBORHOOD WATCH SIGN PANEL ON THE REPLACED/ RELOCATED STREET LIGHT POLE

LEGEND:

- (#) STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.
- (CW) CROSSWALK PER STD. C–17
- (LL) LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.
- (PM) PAVEMENT MARKING DETAIL
- (RC) RED CURB
- INSTALL BLUE REFLECTIVE HYDRANT MARKER PER STD. W–3.



PLAN
1" = 40'



PLAN
1" = 40'

FOR N ORANGE STREET PLAN SEE SS–06

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAD MARTINELL No. C74650 Exp. 12/31/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

SIGNING AND STRIPING PLAN
N ORANGE STREET

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. SS-08

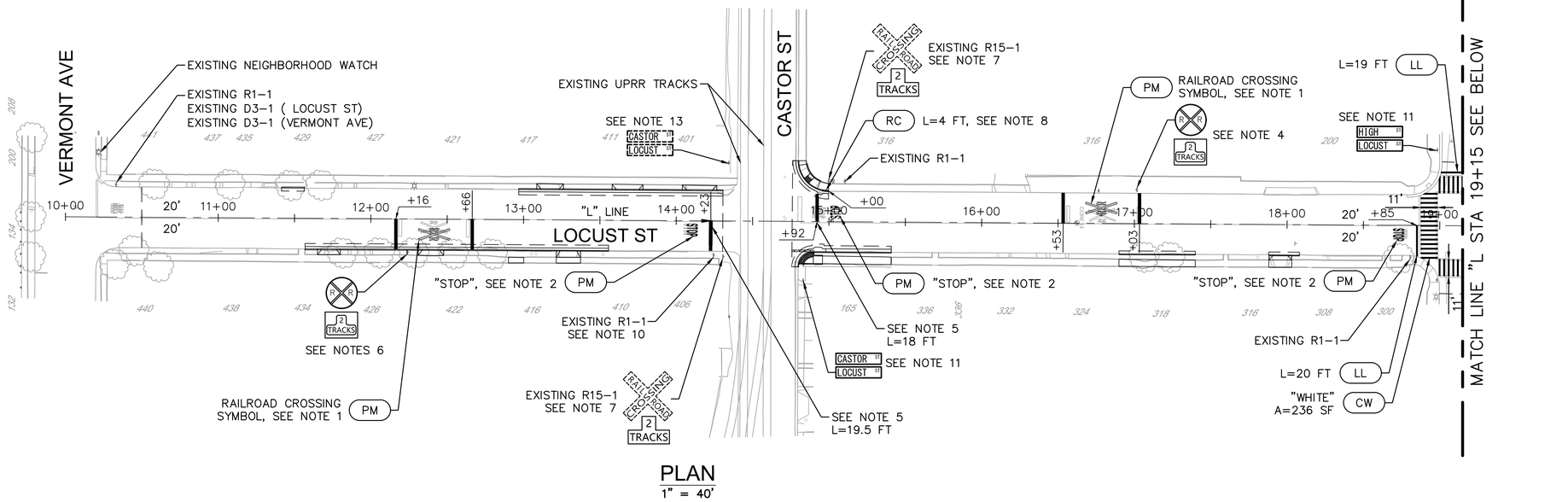
SHEET: 113 OF 169

22-001-P1-09-SS-08.dwg

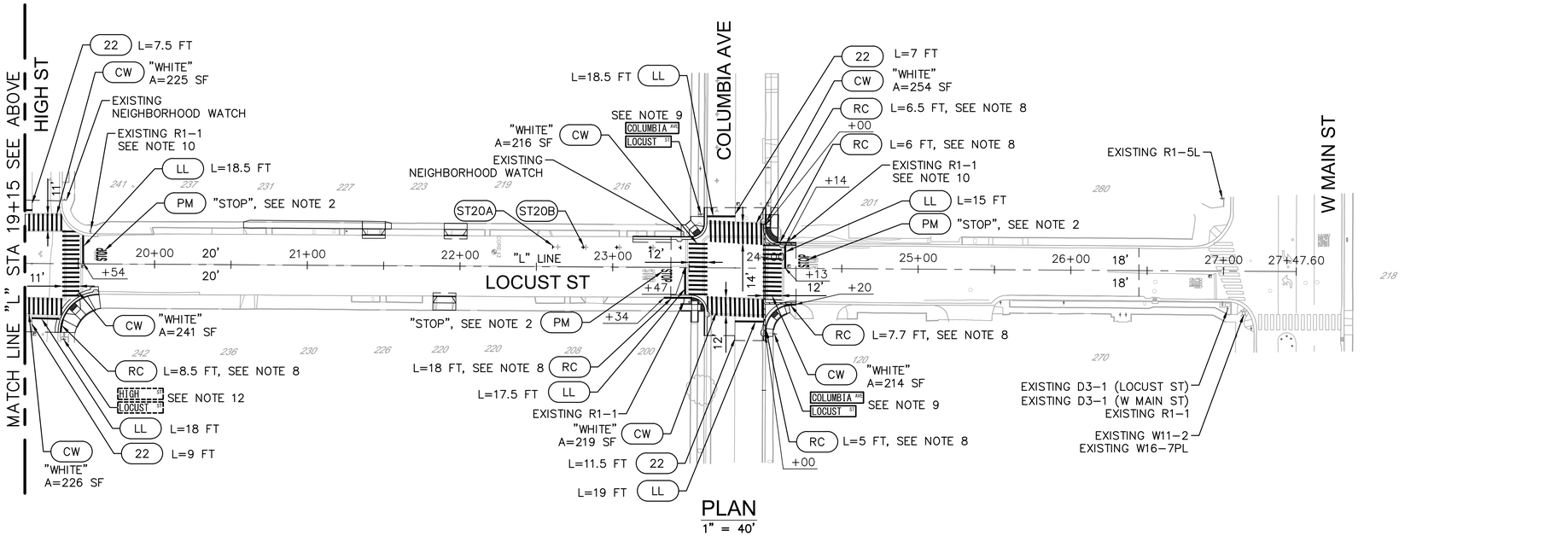
10/26/2022 4:46:52 PM

NOTES:

1. INSTALL RAIL ROAD CROSSING SYMBOL PER CALTRANS STANDARD PLAN A24B.
2. INSTALL "STOP" MARKING PER CALTRANS STANDARD PLAN A24D.
3. PROTECT IN PLACE ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
4. INSTALL 36" W10-1 SIGN PER CA MUTCD FIGURE 8B-4 AND 30"X24" W48(CA) SIGN PER CA MUCTD FIGURE 8B-4 (CA). INSTALL BOTH SIGN PANELS ON NEW POST.
5. INSTALL 2' WIDE LIMIT LINE (STOP LINE) PER CA MUTCD FIGURE 8B-6 (CA).
6. REMOVE EXISTING SIGN PANELS COMPLETELY. INSTALL 36" W10-1 SIGN PANEL PER CA MUTCD FIGURE 8B-4 AND 30"X24" W48(CA) SIGN PANEL PER CA MUTCD FIGURE 8B-4 (CA) ON EXISTING POST.
7. PROTECT IN PLACE EXISTING SIGN PANEL AND INSTALL 27"X18" R15-2P SIGN PANEL PER CA MUTCD FIGURE 8B-1 ON EXISTING POST.
8. PAINT RED CURB.
9. INSTALL STREET NAME SIGN PANELS ON NEW POST PER STANDARD ST-10 THRU ST-12.
10. PROTECT IN PLACE EXISTING POST AND SIGN PANEL(S). REMOVE EXISTING STREET NAME SIGN PANELS.
11. INSTALL STREET NAME SIGN PANELS ON EXISTING STREET ELECTRICAL POLE PER STANDARD ST-10 THRU ST-12.
12. RESET STREET NAME SIGN PANELS REMOVED FROM NW CORNER ON NEW POLE PER STANDARD ST-10 THRU ST-12.
13. RESET STREET NAME SIGN PANELS REMOVED FROM SE CORNER ON EXISTING STREET ELECTRICAL POLE PER STANDARD ST-10 THRU ST-12.



PLAN
1" = 40'



PLAN
1" = 40'

LEGEND:

#	STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.
CW	CROSSWALK PER STD. C-17
LL	LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.
PM	PAVEMENT MARKING DETAIL
RC	RED CURB
ST20A	INSTALL CITY OF TURLOCK PARKING STALL LAYOUT DETAIL "A" DRAWING No. ST-20
ST20B	INSTALL CITY OF TURLOCK PARKING STALL LAYOUT DETAIL "B" DRAWING No. ST-20
	INSTALL BLUE REFLECTIVE HYDRANT MARKER PER STD. W-3.
	INSTALL RAILROAD CROSSING SYMBOL.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAD MARTINELL No. C74650 Exp. 12/31/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908
CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

SIGNING AND STRIPING PLAN
LOCUST STREET
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H. GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. SS-09
SHEET: 114 OF 169

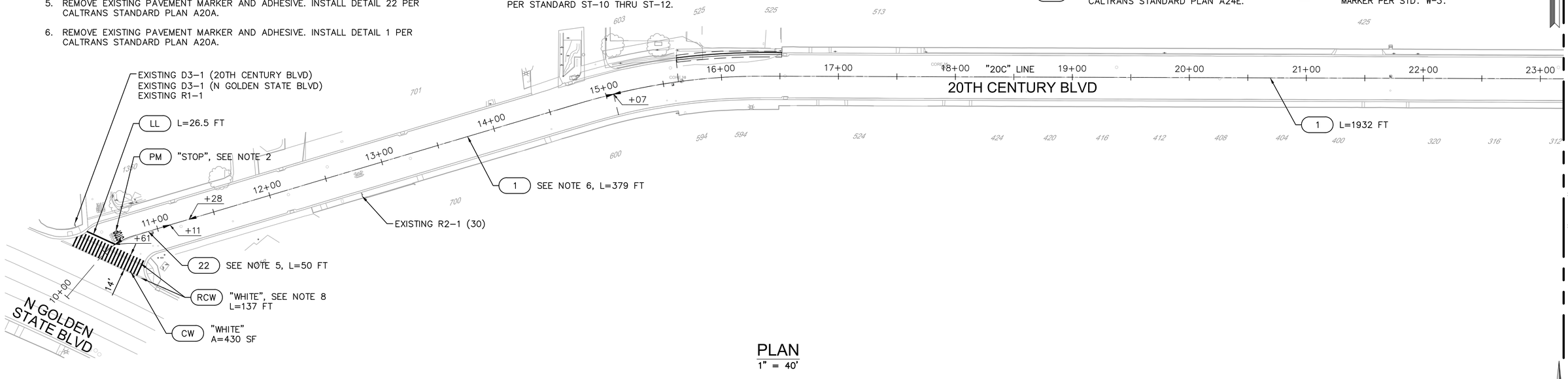
22-001-P1-09-SS-09.dwg
10/26/2022 4:47:20 PM

NOTES:

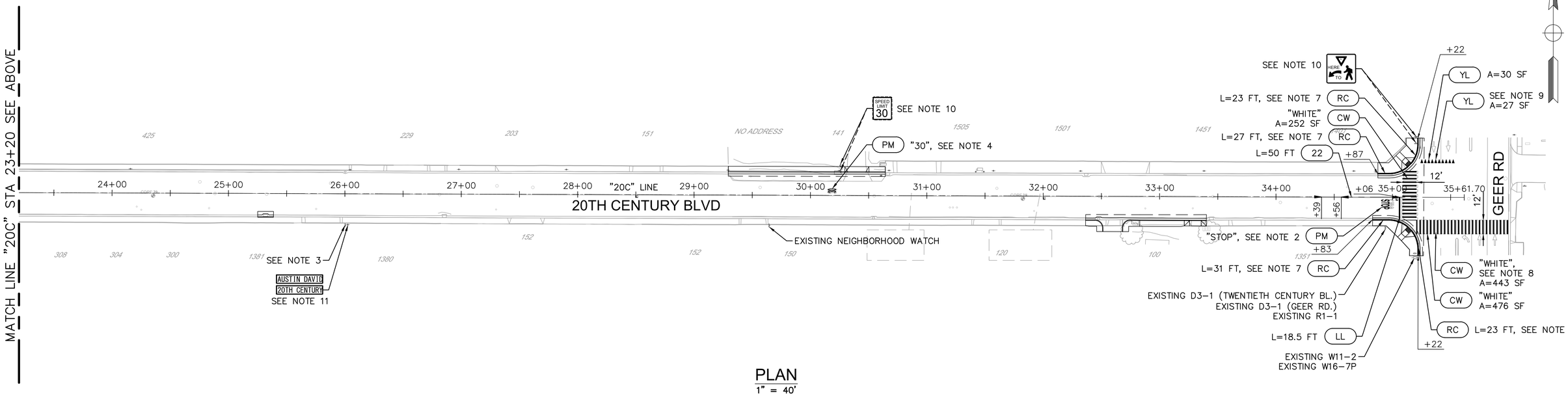
1. PROTECT IN PLACE ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
2. INSTALL "STOP" MARKING PER CALTRANS STANDARD PLAN A24D.
3. REMOVE EXISTING POST AND SIGN PANEL(S) COMPLETELY.
4. INSTALL "30" NUMERAL MARKING PER CALTRANS STANDARD PLAN A24C.
5. REMOVE EXISTING PAVEMENT MARKER AND ADHESIVE. INSTALL DETAIL 22 PER CALTRANS STANDARD PLAN A20A.
6. REMOVE EXISTING PAVEMENT MARKER AND ADHESIVE. INSTALL DETAIL 1 PER CALTRANS STANDARD PLAN A20A.
7. PAINT RED CURB.
8. REMOVE EXISTING CROSSWALK BY SANDBLASTING.
9. REMOVE EXISTING YIELD LINE BY SANDBLASTING.
10. RELOCATE EXISTING POST AND SIGN PANEL(S).
11. INSTALL STREET NAME SIGN PANELS ON EXISTING STREET ELECTRICAL POLE PER STANDARD ST-10 THRU ST-12.

LEGEND:

#	STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.	YL	YIELD LINE PER CALTRANS STANDARD PLAN A24E.
CW	CROSSWALK PER STD. C-17	PM	PAVEMENT MARKING DETAIL
RCW	REMOVE "BASIC" CROSS WALK PER CALTRANS STANDARD PLAN A24F.	RC	RED CURB
LL	LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.	◪	INSTALL BLUE REFLECTIVE HYDRANT MARKER PER STD. W-3.



PLAN
1" = 40'



PLAN
1" = 40'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

SIGNING AND STRIPING PLAN
20TH CENTURY BOULEVARD
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

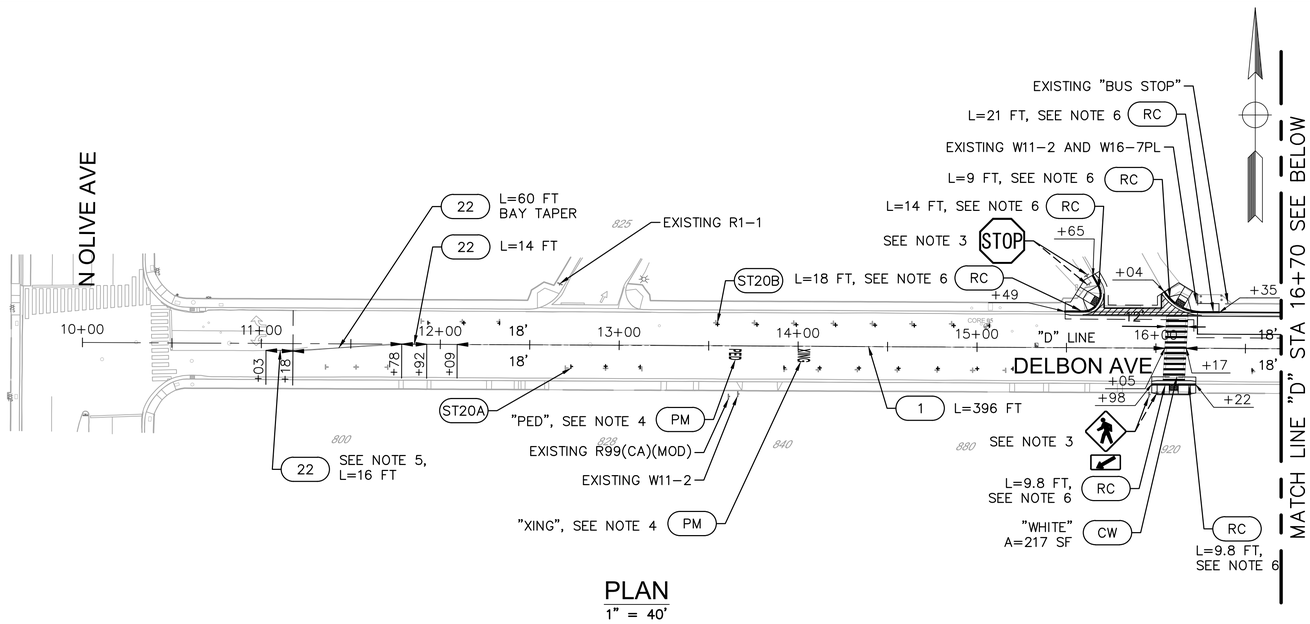
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY: H. GHAFOURIAN	DRAWING No. SS-10
REV. BY:	
CH. BY: C. MARTINELL	
DATE: 10/28/2022	SHEET: 115 OF 169
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

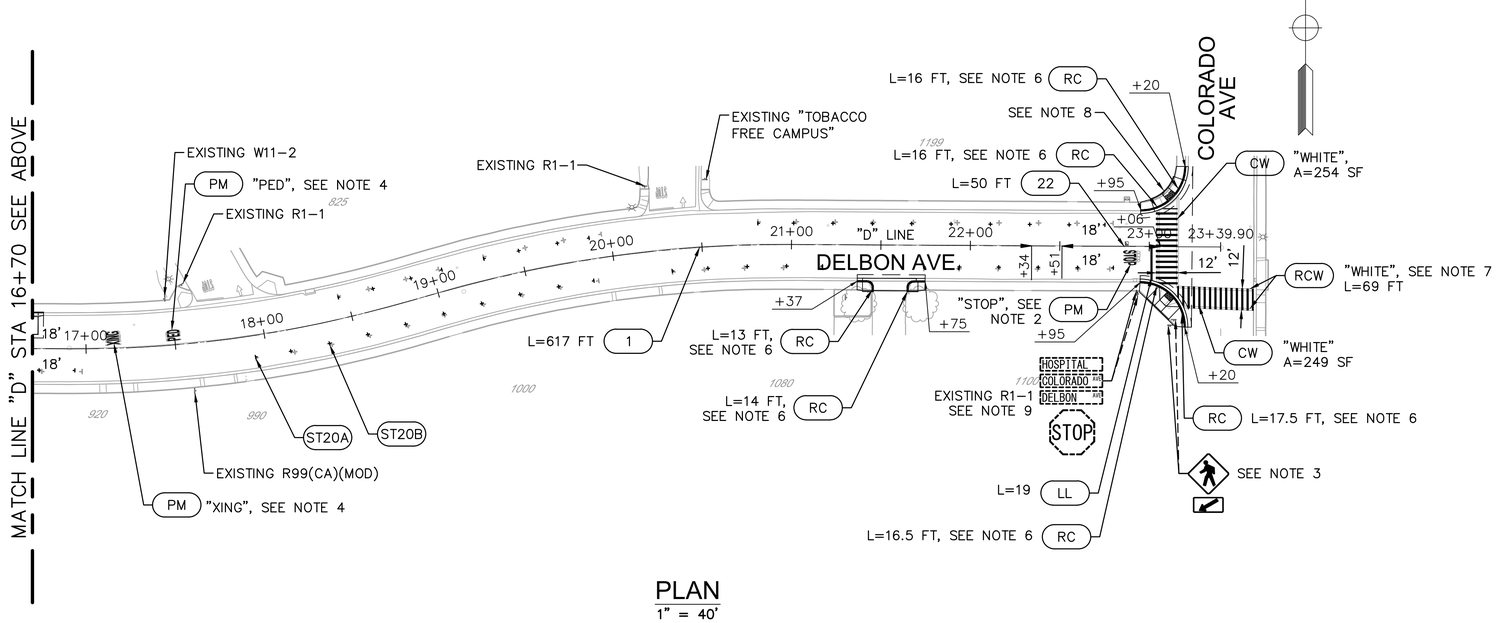
22-001-P1-09-SS-10.dwg
10/26/2022 4:47:48 PM

NOTES:

1. PROTECT IN PLACE ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
2. INSTALL "STOP" MARKING PER CALTRANS STANDARD PLAN A24D.
3. RELOCATE EXISTING POST AND SIGN PANEL(S).
4. INSTALL "PED" AND "XING" MARKINGS PER CALTRANS STANDARD PLAN A24D.
5. REMOVE EXISTING STRIPING BY SANDBLASTING AND REPLACE WITH DETAIL 22 PER CALTRANS STANDARD PLAN A20A.
6. PAINT RED CURB.
7. REMOVE EXISTING CROSSWALK BY SANDBLASTING.
8. REMOVE EXISTING POST AND SIGN PANEL(S) COMPLETELY.
9. RELOCATE EXISTING POST AND SIGN PANEL(S). RESET STREET NAME SIGN AND "HOSPITAL" SIGN PANELS REMOVED FROM NW CORNER ON EXISTING POST PER STANDARD ST–10 THRU ST–12.



PLAN
1" = 40'



PLAN
1" = 40'

LEGEND:

(#)	STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.
(CW)	CROSSWALK PER STD. C–17
(RCW)	REMOVE "BASIC" CROSSWALK PER CALTRANS STANDARD A24F
(LL)	LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.
(PM)	PAVEMENT MARKING DETAIL
(RC)	RED CURB
(ST20A)	INSTALL CITY OF TURLOCK PARKING STALL LAYOUT DETAIL "A" DRAWING No. ST–20
(ST20B)	INSTALL CITY OF TURLOCK PARKING STALL LAYOUT DETAIL "B" DRAWING No. ST–20
◪	INSTALL BLUE REFLECTIVE HYDRANT MARKER PER STD. W–3.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

SIGNING AND STRIPING PLAN
DELBON AVENUE
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/2" 1" 1 1/4" 3/4"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H. GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. SS-11

SHEET: 116 OF 169

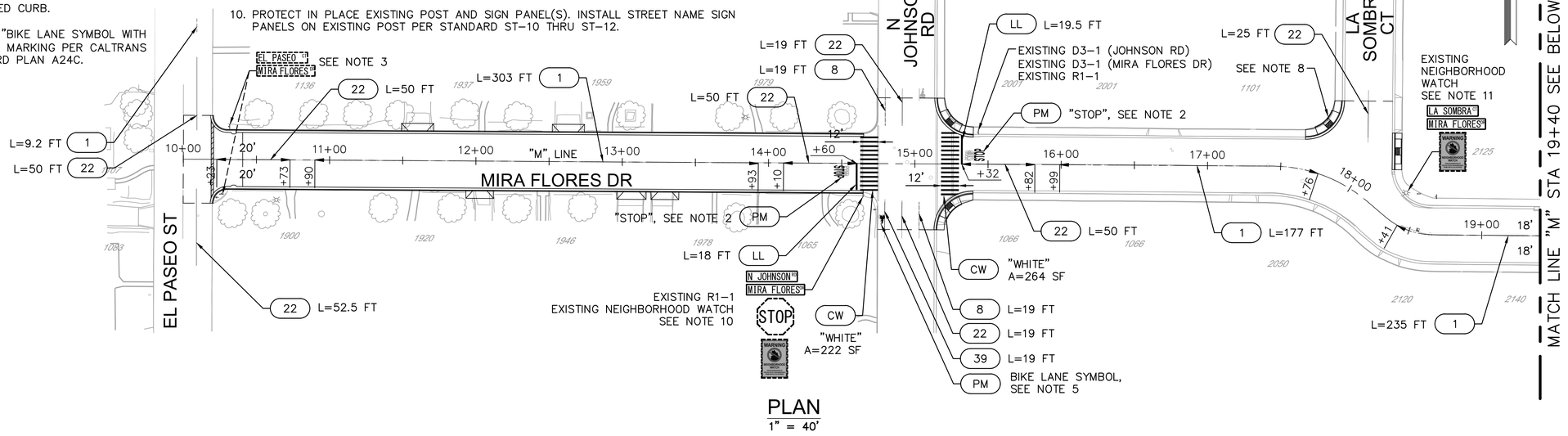
22-001-P1-09-SS-11.dwg
10/26/2022 4:48:16 PM

NOTES:

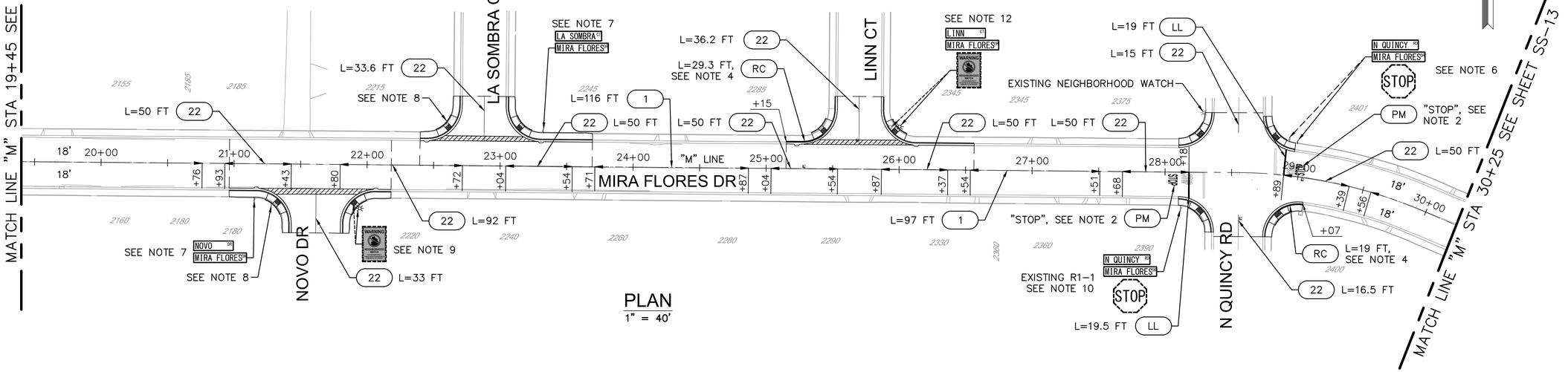
1. PROTECT IN PLACE ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
2. INSTALL "STOP" MARKING PER CALTRANS STANDARD PLAN A24D.
3. RELOCATE EXISTING POST AND SIGN PANEL(S).
4. PAINT RED CURB.
5. INSTALL "BIKE LANE SYMBOL WITH PERSON" MARKING PER CALTRANS STANDARD PLAN A24C.
6. RELOCATE POST AND SIGN PANEL(S). INSTALL STREET NAME SIGN PANELS ON EXISTING POST PER STANDARD ST-10 THRU ST-12.
7. INSTALL STREET NAME SIGN PANELS ON NEW POST PER STANDARD ST-10 THRU ST-12.
8. REMOVE EXISTING POST AND SIGN PANEL(S) COMPLETELY.
9. RESET EXISTING SIGN PANEL(S) ON REPLACED/ RELOCATED STREET LIGHT POLE.
10. PROTECT IN PLACE EXISTING POST AND SIGN PANEL(S). INSTALL STREET NAME SIGN PANELS ON EXISTING POST PER STANDARD ST-10 THRU ST-12.
11. INSTALL STREET NAME SIGN PANELS ON EXISTING STREET LIGHT POLE PER STANDARD ST-10 THRU ST-12.
12. REMOVE EXISTING STREET NAME SIGN PANEL FROM STREET LIGHT POLE. INSTALL STREET NAME SIGN PANELS PER STANDARD ST-12 AND RESET EXISTING NEIGHBORHOOD WATCH SIGN PANEL ON REPLACED/ RELOCATED STREET LIGHT POLE.

LEGEND:

- (#) STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D
- (CW) CROSSWALK PER STD. C-17
- (LL) LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.
- (PM) PAVEMENT MARKING DETAIL
- (RC) RED CURB
- INSTALL BLUE REFLECTIVE HYDRANT MARKER
- BIKE LANE SYMBOL WITH PERSON



PLAN
1" = 40'



PLAN
1" = 40'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

SIGNING AND STRIPING PLAN
MIRA FLORES DRIVE

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. SS-12

SHEET: 117 OF 169

22-001-P1-09-SS-12.dwg
10/26/2022 4:48:45 PM

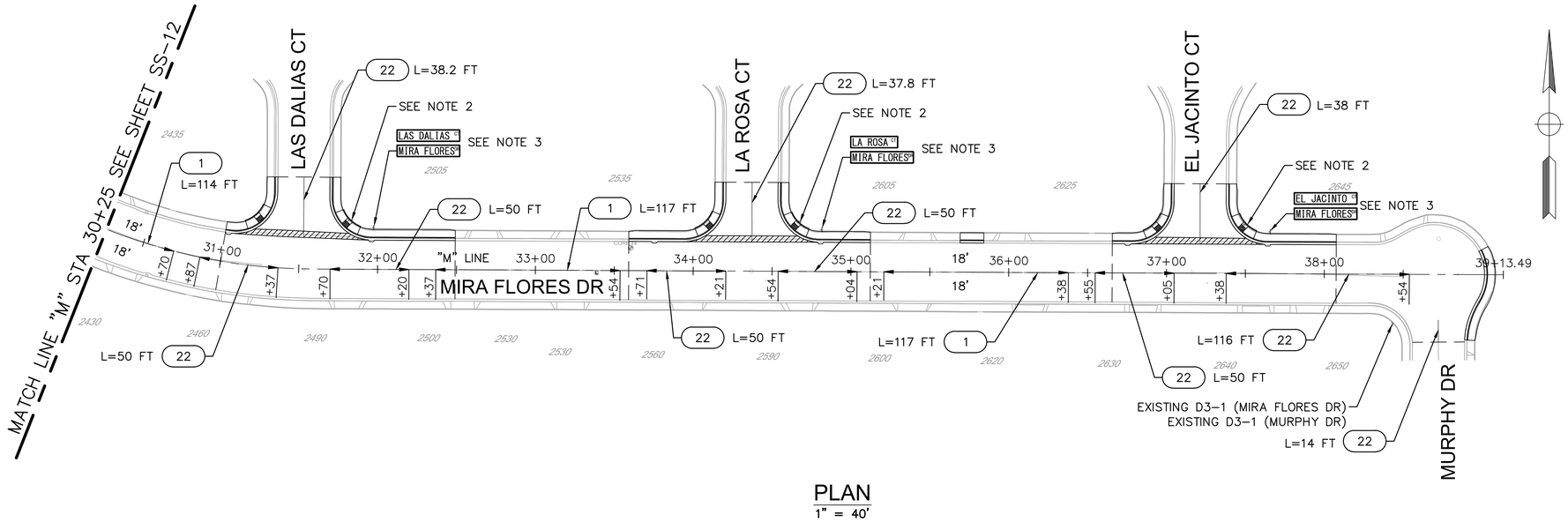
NOTES:

1. PROTECT IN PLACE ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
2. REMOVE EXISTING POST AND SIGN PANEL(S) COMPLETELY.
3. INSTALL STREET NAME SIGN PANELS ON NEW POST PER STANDARD ST–10 THRU ST–12.

LEGEND:

(#) STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.

INSTALL BLUE REFLECTIVE HYDRANT MARKER.



PLAN
1" = 40'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHAD MARTINELL
No. C74650
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

SIGNING AND STRIPING PLAN
MIRA FLORES DRIVE

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H. GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

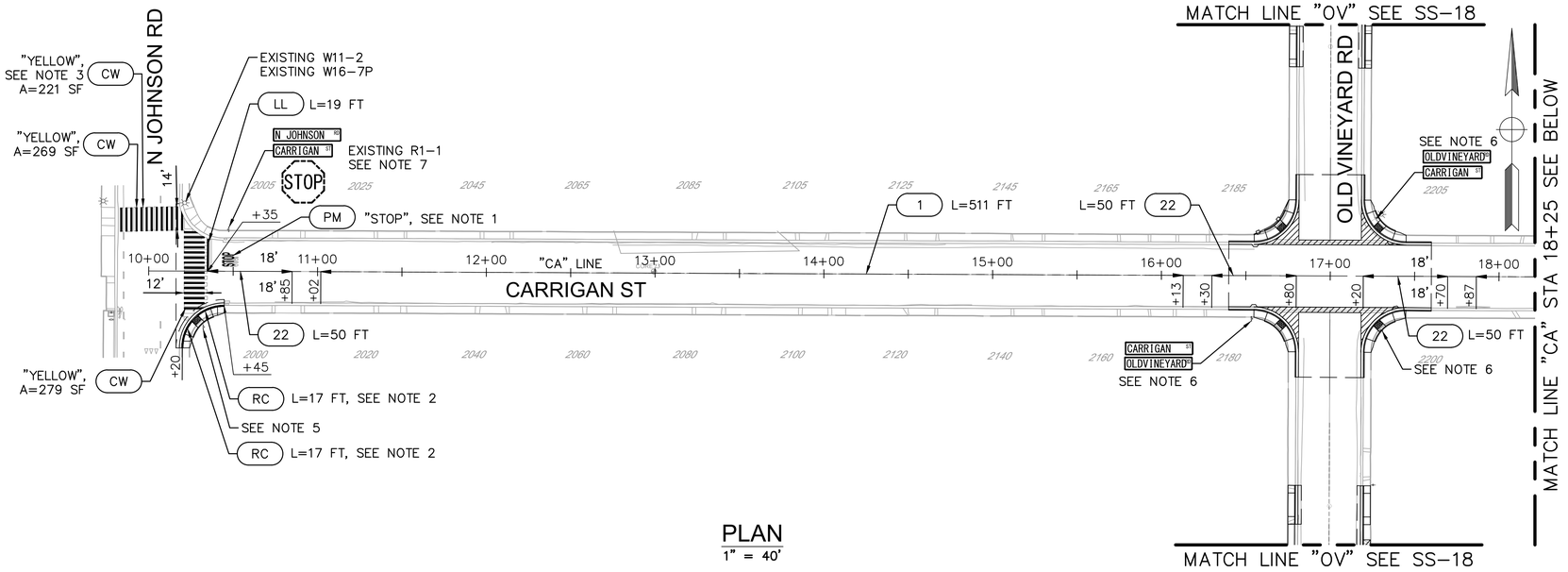
DRAWING No. SS-13

SHEET: 118 OF 169

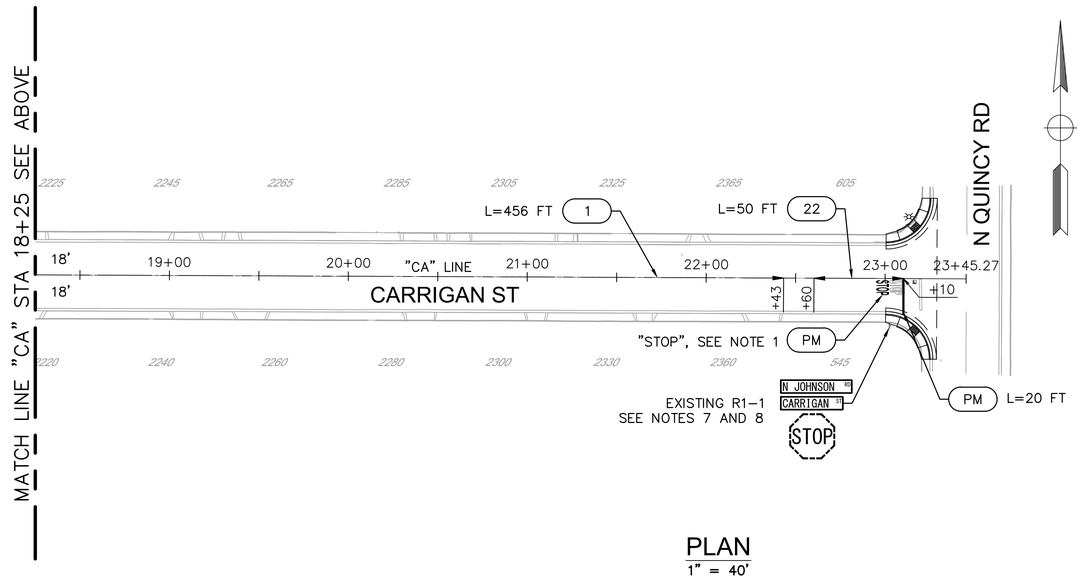
22-001-P1-09-SS-13.dwg
10/26/2022 4:49:03 PM

NOTES:

1. INSTALL "STOP" MARKING PER CALTRANS STANDARD PLAN A24D.
2. PAINT RED CURB.
3. REMOVE EXISTING CROSSWALK BY SANDBLASTING.
4. PROTECT IN PLACE ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
5. REMOVE EXISTING POST AND SIGN PANEL(S) COMPLETELY.
6. REFER TO SHEET SS-18 FOR OLD VINEYARD SIGNING AND STRIPING PLANS..
7. PROTECT IN PLACE EXISTING POST AND SIGN PANEL(S). INSTALL STREET NAME SIGN PANELS ON EXISTING POST PER STANDARD ST-10 THRU ST-12.
8. REMOVE EXISTING STREET NAME SIGN PANELS.



PLAN
1" = 40'



PLAN
1" = 40'

LEGEND:

- (#) STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.
- (CW) CROSSWALK PER STD. C-17
- (LL) LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.
- (PM) PAVEMENT MARKING DETAIL
- (RC) RED CURB
- INSTALL BLUE REFLECTIVE HYDRANT MARKER PER STD. W-3.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAD MARTINELL No. C74650 Exp. 12/31/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY, SUITE 150
(209) 668-5520

SIGNING AND STRIPING PLAN CARRIGAN STREET

CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY: H. GHAFOURIAN	DRAWING No. SS-14
REV. BY:	
CH. BY: C. MARTINELL	
DATE: 10/28/2022	SHEET: 119 OF 169
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

22-001-P1-09-SS-14.dwg

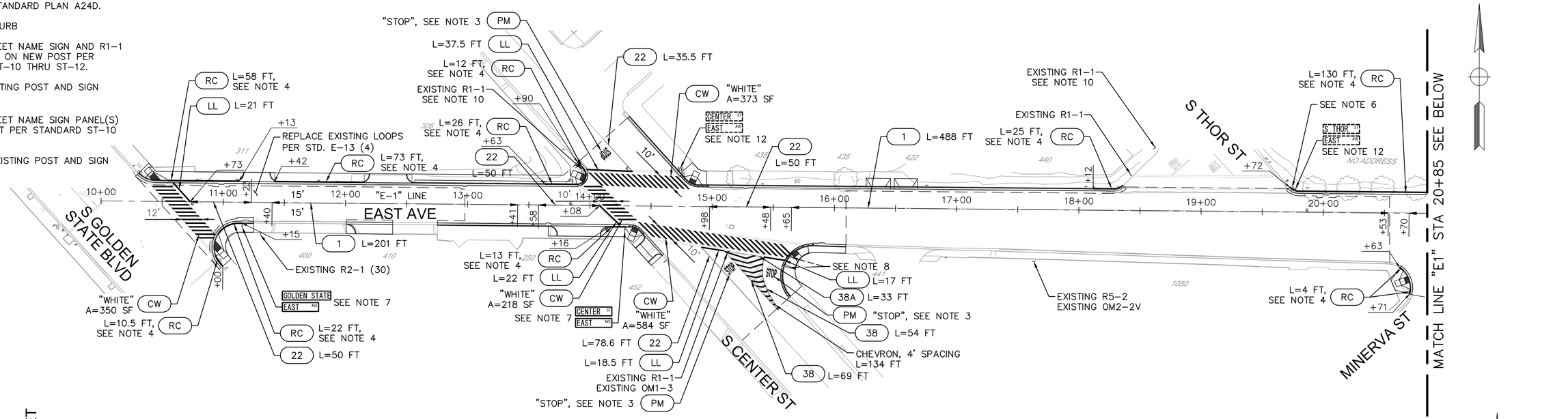
10/26/2022 4:49:32 PM

NOTES:

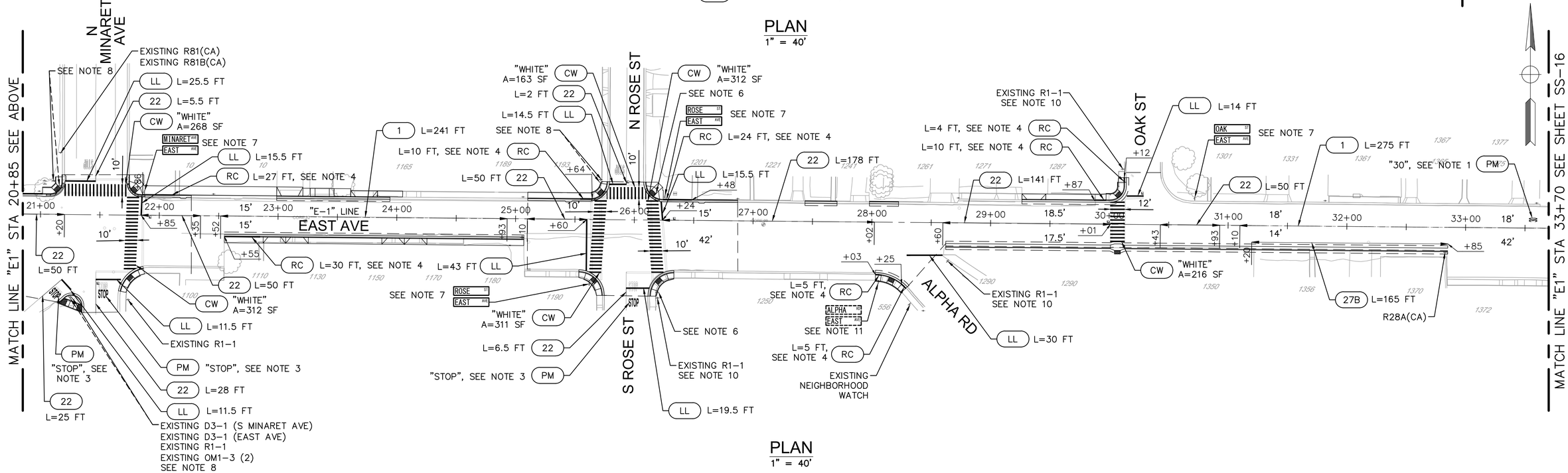
1. INSTALL "30" NUMERAL MARKING PER CALTRANS STANDARD PLAN A24C.
2. PROTECT IN PLACE ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
3. INSTALL "STOP" MARKING PER CALTRANS STANDARD PLAN A24D.
4. PAINT RED CURB
5. INSTALL STREET NAME SIGN AND R1-1 SIGN PANELS ON NEW POST PER STANDARD ST-10 THRU ST-12.
6. REMOVE EXISTING POST AND SIGN PANEL(S).
7. INSTALL STREET NAME SIGN PANEL(S) ON NEW POST PER STANDARD ST-10 THRU ST-12.
8. RELOCATE EXISTING POST AND SIGN PANEL(S).
9. INSTALL STREET NAME SIGN PANEL ON EXISTING STREET ELECTRICAL/LIGHT POLE PER STANDARD ST-10 THRU ST-12.
10. PROTECT IN PLACE EXISTING POST AND R1-1 SIGN PANEL. REMOVE STREET NAME SIGN PANELS FROM EXISTING POST.
11. RESET STREET NAME SIGN PANELS REMOVED FROM SE CORNER ON NEW POST PER STANDARD ST-10 THRU ST-12.
12. RESET STREET NAME SIGN PANELS REMOVED FROM NW CORNER ON STREET LIGHT/ ELECTRICAL POLE.

LEGEND:

#	STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.	PM	PAVEMENT MARKING DETAIL
CW	CROSSWALK PER STD. C-17	RC	RED CURB
LL	LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.		INSTALL BLUE REFLECTIVE HYDRANT MARKER PER STD. W-3.



PLAN
1" = 40'



PLAN
1" = 40'

22-001-P1-09-SS-15.dwg

10/26/2022 4:50:01 PM

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAD MARTINELL No. C74650 Exp. 12/31/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

SIGNING AND STRIPING PLAN
EAST AVENUE
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H. GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. SS-15

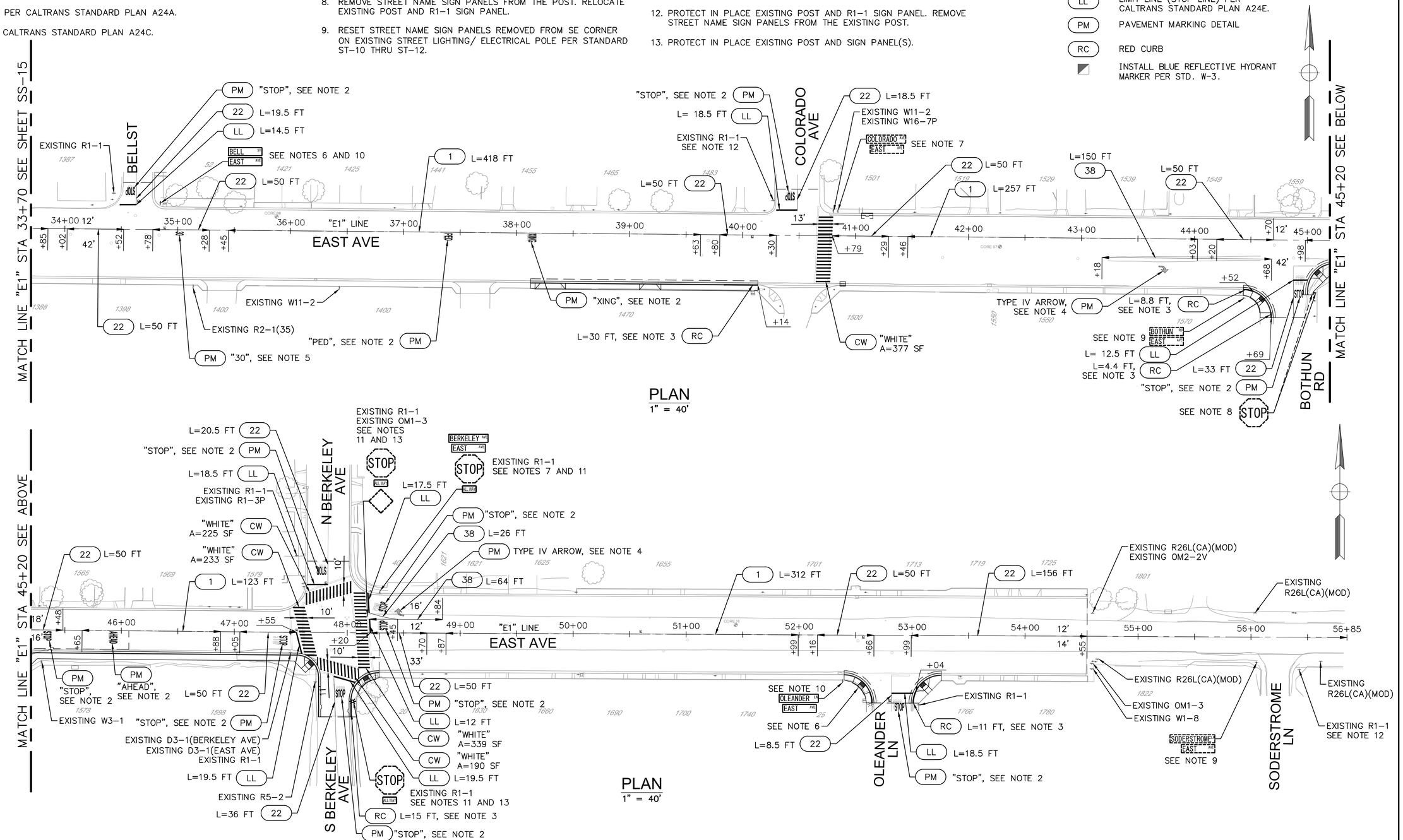
SHEET: 120 OF 169

NOTES:

1. PROTECT ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
2. INSTALL "STOP", "AHEAD", "PED", AND "XING" MARKINGS PER CALTRANS STANDARD PLAN A24D.
3. PAINT RED CURB.
4. INSTALL TYPE IV (R) ARROW PER CALTRANS STANDARD PLAN A24A.
5. INSTALL "30" NUMERAL PER CALTRANS STANDARD PLAN A24C.
6. REMOVE EXISTING POST AND SIGN PANEL(S).
7. RESET STREET NAME SIGN PANELS REMOVED FROM NW CORNER ON NEW POST PER STANDARD ST-10 THRU ST-12.
8. REMOVE STREET NAME SIGN PANELS FROM THE POST. RELOCATE EXISTING POST AND R1-1 SIGN PANEL.
9. RESET STREET NAME SIGN PANELS REMOVED FROM SE CORNER ON EXISTING STREET LIGHTING/ ELECTRICAL POLE PER STANDARD ST-10 THRU ST-12.
10. INSTALL STREET NAME SIGN PANELS ON NEW POST PER STANDARD ST-10 THRU ST-12.
11. INSTALL R1-3P SIGN PANEL TO THE EXISTING POST OR EXISTING STREET LIGHT/ ELECTRICAL POLE..
12. PROTECT IN PLACE EXISTING POST AND R1-1 SIGN PANEL. REMOVE STREET NAME SIGN PANELS FROM THE EXISTING POST.
13. PROTECT IN PLACE EXISTING POST AND SIGN PANEL(S).

LEGEND:

- (#) STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.
- (CW) CROSSWALK PER STD. C-17
- (LL) LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.
- (PM) PAVEMENT MARKING DETAIL
- (RC) RED CURB
- INSTALL BLUE REFLECTIVE HYDRANT MARKER PER STD. W-3.



USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAD MARTINELL No. C74650 Exp. 12/31/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

SIGNING AND STRIPING PLAN
EAST AVENUE
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY: H.GHAFOURIAN	DRAWING No. SS-16
REV. BY:	
CH. BY: C. MARTINELL	SHEET: 121 OF 169
DATE: 10/28/2022	
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

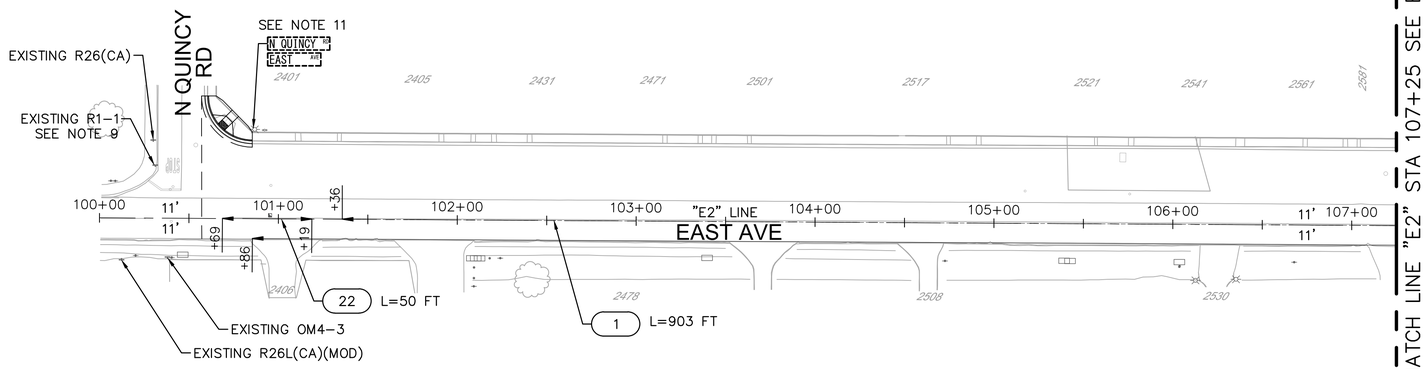
22-001-P1-09-SS-16.dwg
10/26/2022 4:50:30 PM

NOTES:

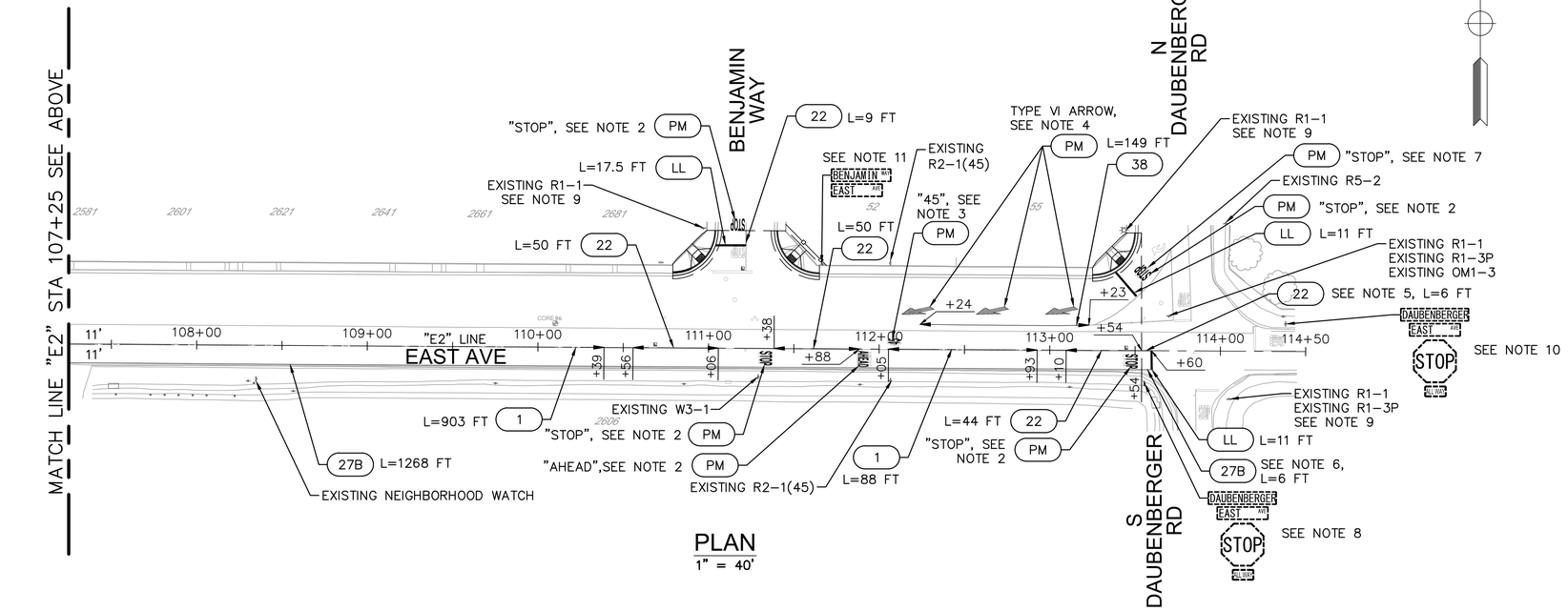
1. PROTECT IN PLACE ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
2. INSTALL "STOP" AND "AHEAD" MARKINGS PER CALTRANS STANDARD PLAN A24D.
3. INSTALL "45" MARKING PER CALTRANS STANDARD PLAN A24C.
4. INSTALL TYPE VI ARROW PER CALTRANS STANDARD PLAN A24A.
5. REMOVE EXISTING STRIPING BY SANDBLASTING AND REPLACE WITH DETAIL 22 PER CALTRANS STANDARD PLAN A20A.
6. REMOVE EXISTING STRIPING BY SANDBLASTING AND REPLACE WITH DETAIL 27B PER CALTRANS STANDARD PLAN A20B.
7. REMOVE EXISTING PAVEMENT MARKING BY SANDBLASTING.
8. PROTECT IN PLACE EXISTING POST, R1-1 SIGN, AND, R1-3P SIGN PANELS. RESET STREET NAME SIGN PANELS REMOVED FROM SE CORNER ON THE EXISTING POST PER STANDARD ST-10 THRU ST-12..
9. PROTECT IN PLACE EXISTING POST AND SIGN PANELS. REMOVE STREET NAME SIGN PANELS.
10. PROTECT IN PLACE EXISTING POST, R1-1 SIGN, AND, R1-3P SIGN PANELS. RESET STREET NAME SIGN PANELS REMOVED FROM NW CORNER ON THE EXISTING POST PER STANDARD ST-10 THRU ST-12.
11. RESET STREET NAME SIGN PANELS REMOVED FROM NW CORNER ON THE EXISTING STREET LIGHT/ ELECTRICAL POLE PER STANDARD ST-10 THRU ST-12.

LEGEND:

- (#) STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.
- (CW) CROSSWALK PER STD. C-17
- (LL) LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.
- (PM) PAVEMENT MARKING DETAIL
- (RC) RED CURB
- INSTALL BLUE REFLECTIVE HYDRANT MARKER PER STD. W-3.



PLAN
1" = 40'



PLAN
1" = 40'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAD MARTINELL No. C74650 Exp. 12/31/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

SIGNING AND STRIPING PLAN
EAST AVENUE
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. SS-17

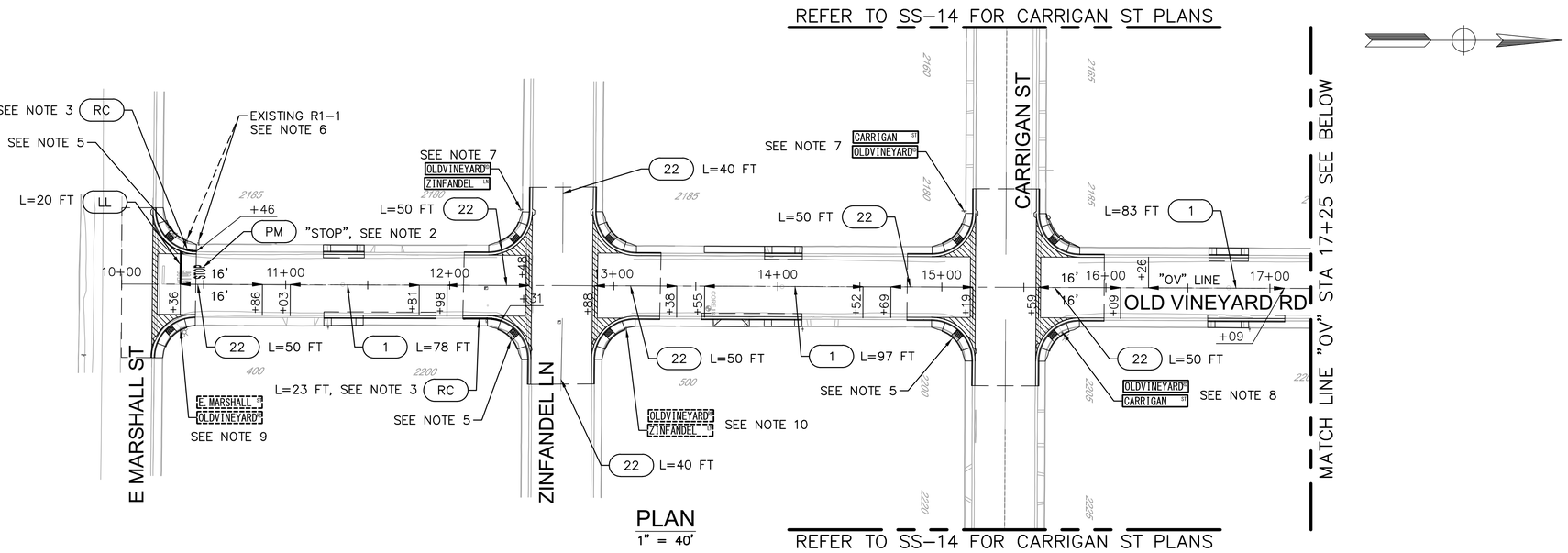
SHEET: 122 OF 169

22-001-P1-09-SS-17.dwg

10/26/2022 4:51:00 PM

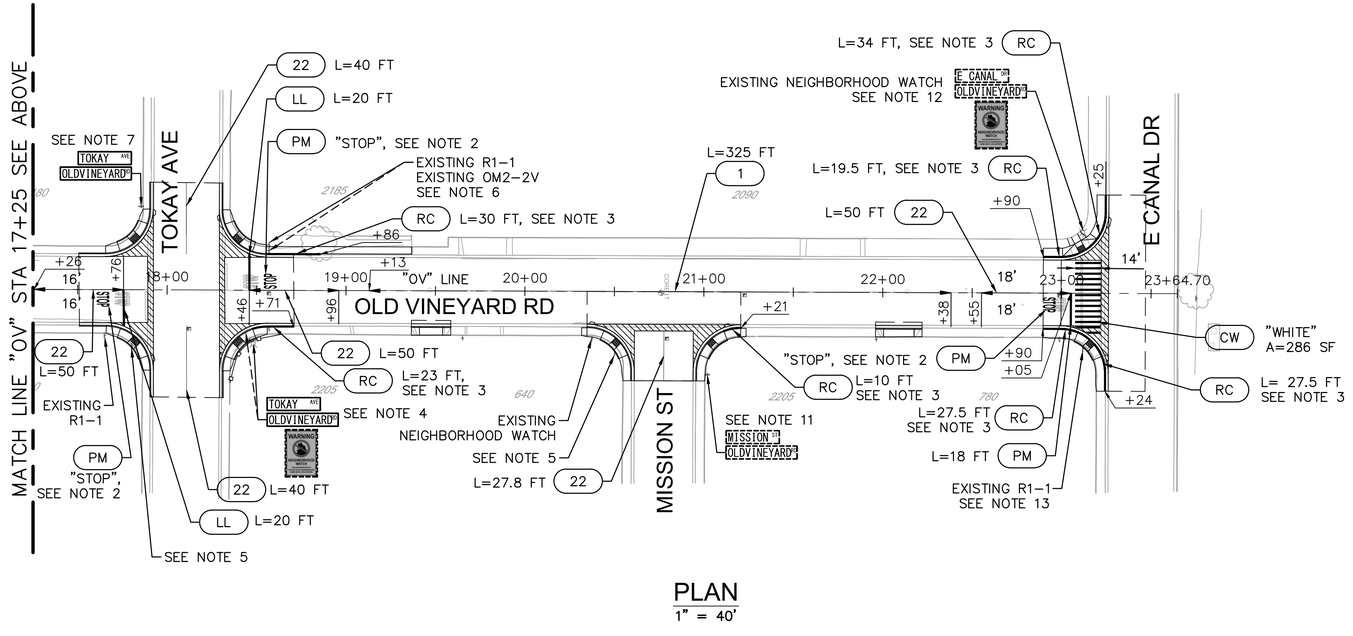
NOTES:

1. PROTECT IN PLACE ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
2. INSTALL "STOP" MARKING PER CALTRANS STANDARD PLAN A24D.
3. PAINT RED CURB.
4. INSTALL STREET NAME SIGN PANELS PER STANDARD ST–12 AND RESET NEIGHBORHOOD WATCH SIGN PANEL REMOVED FROM SE CORNER ON RELOCATED/REPLACED STREET LIGHT POLE PER STANDARD ST–10 THRU ST–12.
5. REMOVE EXISTING POST AND SIGN PANEL(S) COMPLETELY.
6. RELOCATE EXISTING POST AND SIGN PANEL(S).
7. INSTALL STREET NAME SIGN PANELS ON NEW POST PER STANDARD ST–10 THRU ST–12.
8. INSTALL STREET NAME SIGN PANELS ON EXISTING STREET LIGHT POLE PER STANDARD ST–10 THRU ST–12.
9. RESET STREET NAME SIGN PANELS REMOVED FROM NW CORNER ON EXISTING STREET LIGHT POLE PER STANDARD ST–10 THRU ST–12.
10. RESET STREET NAME SIGN PANELS REMOVED FROM SE CORNER ON EXISTING STREET LIGHT POLE PER STANDARD ST–10 THRU ST–12.
11. RESET STREET NAME SIGN PANELS REMOVED FROM SE CORNER ON NEW POST PER STANDARD ST–10 THRU ST–12.
12. PROTECT IN PLACE EXISTING SIGN. RESET STREET NAME SIGN PANELS REMOVED FROM SE CORNER ON EXISTING STREET LIGHT POLE PER STANDARD ST–10 THRU ST–12.
13. PROTECT IN PLACE EXISTING POST AND SIGN PANEL(S). REMOVE STREET NAME SIGN PANELS.



LEGEND:

- (#) STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.
- (CW) CROSSWALK PER STD. C–17
- (LL) LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.
- (PM) PAVEMENT MARKING DETAIL
- (RC) RED CURB
- INSTALL BLUE REFLECTIVE HYDRANT MARKER PER STD. W–3.



PLAN
1" = 40'

USA NORTH 811 Call 811 Before You Dig

NOTE: ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAD MARTINELL No. C74650 Exp. 12/31/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908
CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

SIGNING AND STRIPING PLAN OLD VINEYARD ROAD

CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	H.GHAFOURIAN
REV. BY:	
CH. BY:	C. MARTINELL
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. SS-18

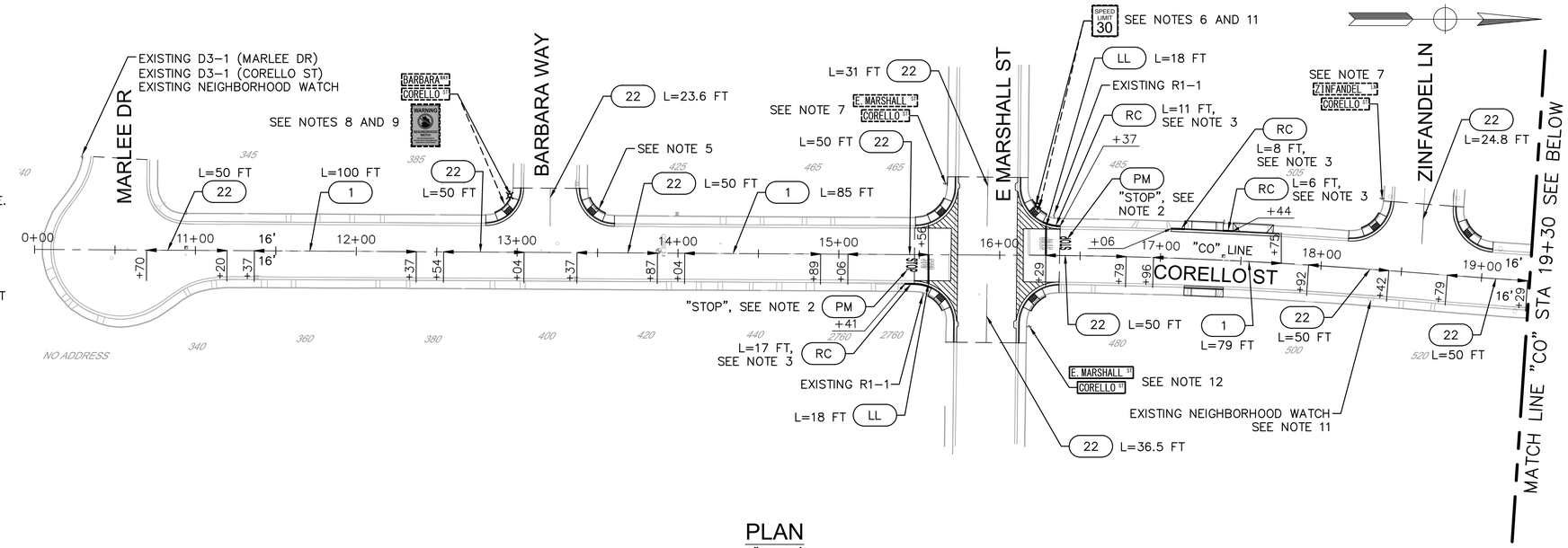
SHEET: 123 OF 169

22-001-P1-09-SS-18.dwg

10/26/2022 4:51:30 PM

NOTES:

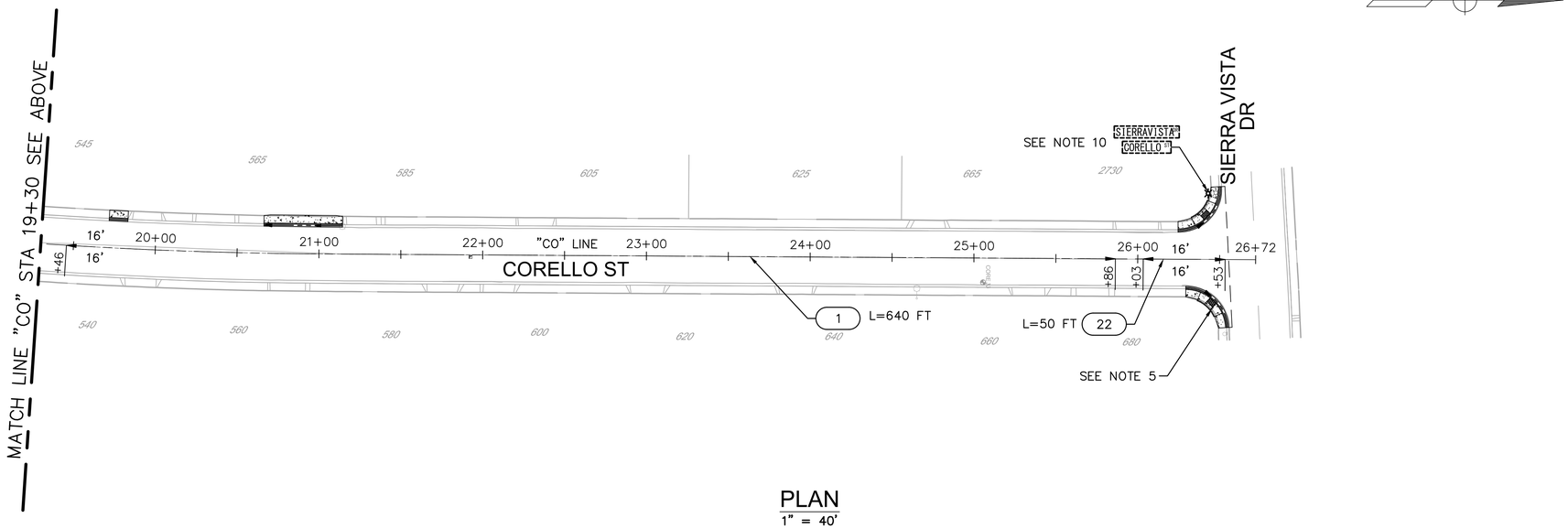
1. PROTECT IN PLACE ALL EXISTING SIGNS UNLESS NOTED OTHERWISE ON PLAN.
2. INSTALL "STOP" MARKING PER CALTRANS STANDARD PLAN A24D.
3. PAINT RED CURB.
4. RESET STREET NAME SIGN PANELS ON RELOCATED/REPLACED STREET LIGHT POLE PER STANDARD ST-10 THRU ST-12.
5. REMOVE EXISTING POST AND SIGNS COMPLETELY.
6. RESET R2-1 SIGN PANEL PER CA MUTCD FIGURE 2B-3 ON RELOCATED/REPLACED STREET LIGHT POLE.
7. RESET STREET NAME SIGN PANELS REMOVED FROM STREET LIGHT POLE ON NEW POST PER STANDARD ST-10 THRU ST-12.
8. RESET STREET NAME SIGN PANELS REMOVED FROM NW CORNER ON RELOCATED/REPLACED STREET LIGHT POLE PER STANDARD ST-10 THRU ST-12.
9. RESET NEIGHBORHOOD WATCH SIGN PANEL ON RELOCATED/REPLACED STREETLIGHT POLE.
10. RESET STREET NAME SIGN PANELS REMOVED FROM SW CORNER ON RELOCATED/REPLACED STREETLIGHT POLE PER STANDARD ST-10 THRU ST-12.
11. REMOVE EXISTING STREET NAME SIGN PANELS FROM STREET LIGHT POLE.
12. INSTALL STREET NAME SIGN PANELS ON NEW POST PER STANDARD ST-10 THRU ST-12.



PLAN
1" = 40'

LEGEND:

- (#) STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.
- (LL) LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN A24E.
- (PM) PAVEMENT MARKING DETAIL
- (RC) RED CURB
- INSTALL BLUE REFLECTIVE HYDRANT MARKER PER STD. W-3.



PLAN
1" = 40'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

CHAD MARTINELL P.E.
LICENSE No. C74650

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER CHAD MARTINELL No. C74650 Exp. 12/31/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

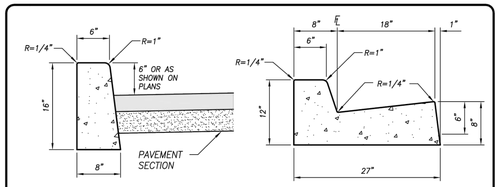
CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

SIGNING AND STRIPING PLAN
CORELLO STREET
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

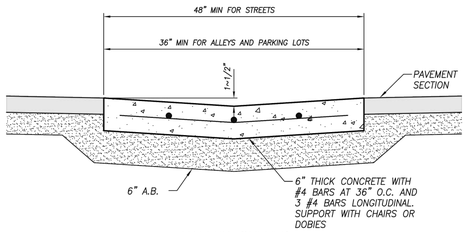
DRAWN BY: H. GHAFOURIAN	DRAWING No.
REV. BY:	SS-19
CH. BY: C. MARTINELL	SHEET:
DATE: 10/28/2022	124 OF 169
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

22-001-P1-09-SS-19.dwg
10/26/2022 4:52:01 PM



VERTICAL CURB

CURB AND GUTTER



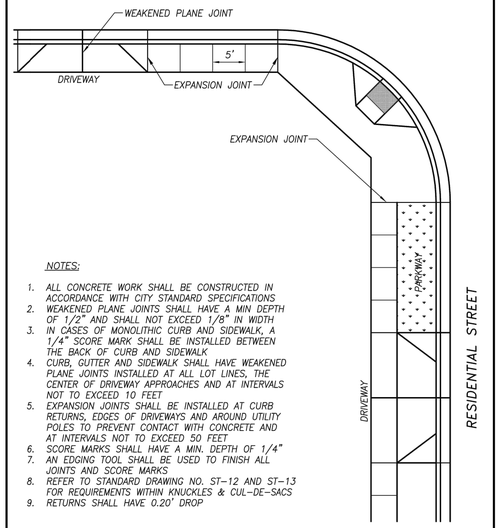
VALLEY GUTTER

NOTES:

1. INSTALL WEAKENED PLANE JOINT AT 10' INTERVALS
2. GUTTER FLOW LINES SHALL BE WATER TESTED FOR FLOW
3. FLOW LINE OF GUTTERS SHALL SLOPE AT 0.20% MIN, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER

CURB AND GUTTERS

	DRAWN BY: JSH	CITY OF TURLOCK	DRAWING NO. C-1
	CHECK BY: NBB	APPROVED BY:	COUNCIL APPROVAL
	SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694	DEC, 2015

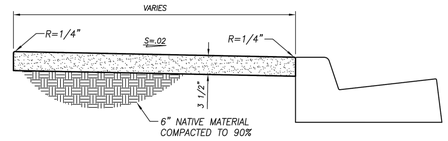


NOTES:

1. ALL CONCRETE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY STANDARD SPECIFICATIONS
2. WEAKENED PLANE JOINTS SHALL HAVE A MIN DEPTH OF 1/2" AND SHALL NOT EXCEED 1/8" IN WIDTH
3. IN CASES OF MONOLITHIC CURB AND SIDEWALK, A 1/4" SCORE MARK SHALL BE INSTALLED BETWEEN THE BACK OF CURB AND SIDEWALK
4. CURB, GUTTER AND SIDEWALK SHALL HAVE WEAKENED PLANE JOINTS INSTALLED AT ALL LOT LINES, THE CENTER OF DRIVEWAY APPROACHES AND AT INTERVALS NOT TO EXCEED 10 FEET
5. EXPANSION JOINTS SHALL BE INSTALLED AT CURB RETURNS, EDGES OF DRIVEWAYS AND AROUND UTILITY POLES TO PREVENT CONTACT WITH CONCRETE AND AT INTERVALS NOT TO EXCEED 50 FEET
6. SCORE MARKS SHALL HAVE A MIN. DEPTH OF 1/4"
7. AN EDGING TOOL SHALL BE USED TO FINISH ALL JOINTS AND SCORE MARKS
8. REFER TO STANDARD DRAWING NO. ST-12 AND ST-13 FOR REQUIREMENTS WITHIN KNUCKLES & CUL-DE-SACS
9. RETURNS SHALL HAVE 0.20' DROP

CURB, GUTTER AND SIDEWALK PATTERN

	DRAWN BY: JSH	CITY OF TURLOCK	DRAWING NO. C-2
	CHECK BY: NBB	APPROVED BY:	COUNCIL APPROVAL
	SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694	DEC, 2015

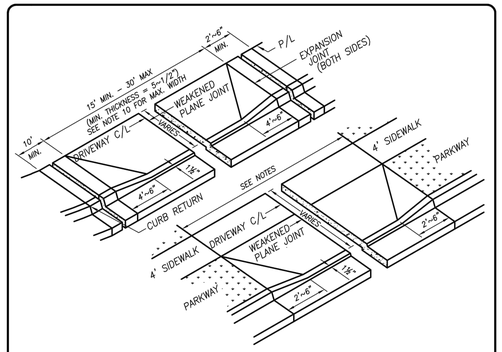


NOTES:

1. ALL CONCRETE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY STANDARD SPECIFICATIONS
2. SEE ST-1 FOR ADDITIONAL INFORMATION REGARDING SIDEWALK LOCATION
3. SEE C-2 FOR LOCATIONS OF JOINTS AND SCORE MARKS
4. PROVIDE MIN 48" OF CLEARANCE AROUND OBSTRUCTIONS. SEE C-4.

RESIDENTIAL AND COMMERCIAL SIDEWALK

	DRAWN BY: JSH	CITY OF TURLOCK	DRAWING NO. C-3
	CHECK BY: NBB	APPROVED BY:	COUNCIL APPROVAL
	SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694	DEC, 2015

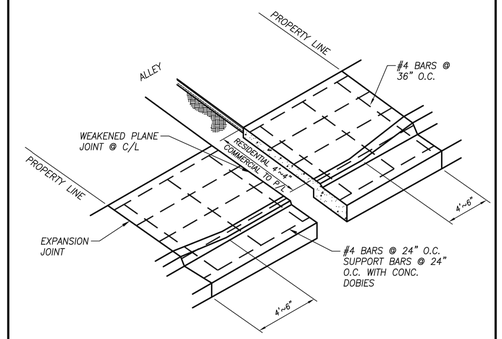


NOTES:

1. SUB-GRADE COMPACTION SHALL BE 95%
2. CONCRETE SURFACE SHALL BE TROWELED SMOOTH & HAIR BROOMED
3. CONCRETE CURING SHALL BE PER CURRENT CALTRANS SPECIFICATIONS
4. GUTTER FLOW LINE SHALL BE WATER TESTED FOR FLOW
5. DRIVEWAY BREAKDOWN LIP SHALL BE 1~1/2"
6. PROVIDE A WEAKENED PLANE JOINT OF 1~1/2" MINIMUM DEPTH AND 1/8"
7. MAXIMUM WIDTH IN THE MIDDLE OF THE DRIVEWAY APPROACH AND GUTTER ON MONOLITHIC CURB, GUTTER AND SIDEWALK INSTALL EXPANSION JOINTS AT EDGES OF DRIVEWAY
8. MAXIMUM DRIVEWAY WIDTHS ARE AS FOLLOWS:
   TWO DOOR GARAGE IS 25 FEET
   THREE CAR GARAGE IS 30 FEET, PROVIDING THE THE DRIVEWAY WIDTH DOES NOT EXCEED 40% OF TOTAL LOT FRONTAGE
9. CURB, GUTTER AND DRIVEWAY SHALL BE POURED MONOLITHICALLY

RESIDENTIAL DRIVEWAY APPROACH

	DRAWN BY: JSH	CITY OF TURLOCK	DRAWING NO. C-5
	CHECK BY: NBB	APPROVED BY:	COUNCIL APPROVAL
	SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694	DEC, 2015

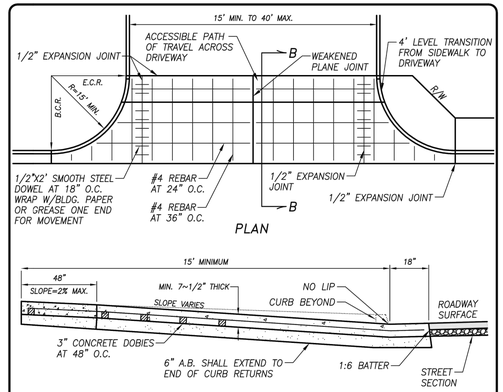


NOTES:

1. COMMERCIAL ALLEYS SHALL HAVE A SLOPE OF 1% MIN. AND A CROSS SLOPE OF 2% MAX.
2. ALL ALLEY APPROACHES SHALL HAVE A MINIMUM THICKNESS OF 7~1/2".
3. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS.
4. GUTTER FLOW LINE & VALLEY GUTTER SHALL BE WATER TESTED FOR FLOW.
5. FINISH GRADE AT BACK OF DRIVEWAY SHALL MATCH ALLEY PAVEMENT.
6. WEAKENED PLANE JOINT SHALL BE 1~1/2" MIN. DEPTH AND 1/8" MAX. WIDTH.

ALLEY APPROACH

	DRAWN BY: JSH	CITY OF TURLOCK	DRAWING NO. C-7
	CHECK BY: NBB	APPROVED BY:	COUNCIL APPROVAL
	SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694	DEC, 2015



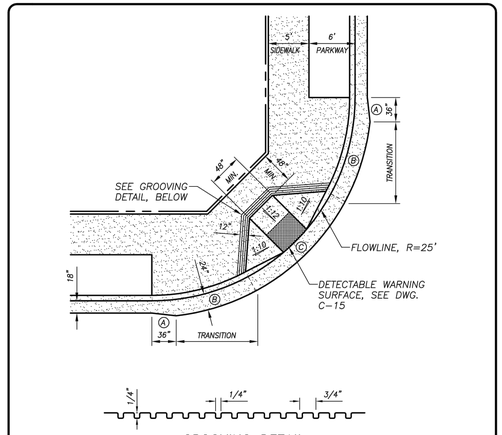
SECTION B-B

NOTES:

1. SUB-GRADE COMPACTION SHALL BE 95%
2. CONCRETE SURFACE SHALL BE TROWELED SMOOTH & HAIR BROOMED
3. CONCRETE CURING SHALL BE PER CURRENT CALTRANS SPECIFICATIONS
4. GUTTER FLOW LINE SHALL BE WATER TESTED FOR FLOW
5. PROVIDE A WEAKENED PLANE JOINT OF 1~1/2" MINIMUM DEPTH AND 1/8" MAXIMUM WIDTH IN THE MIDDLE OF THE DRIVEWAY APPROACH AND GUTTER
6. MULTI FAMILY UNITS SHALL USE THIS APPROACH
7. 150' MIN. FROM D/W CENTERLINE TO CURB RETURN
8. DRIVEWAYS OVER 40' WIDE MUST BE APPROVED BY THE CITY ENGINEER
9. UP TO 1~1/2" GUTTER LIP MAY BE PROJECTED THROUGH DRIVEWAY WITH CITY ENGINEER'S APPROVAL

COMMERCIAL/INDUSTRIAL DRIVEWAY APPROACH

	DRAWN BY: JSH	CITY OF TURLOCK	DRAWING NO. C-8
	CHECK BY: NBB	APPROVED BY:	COUNCIL APPROVAL
	SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694	DEC, 2015



GROOVING DETAIL

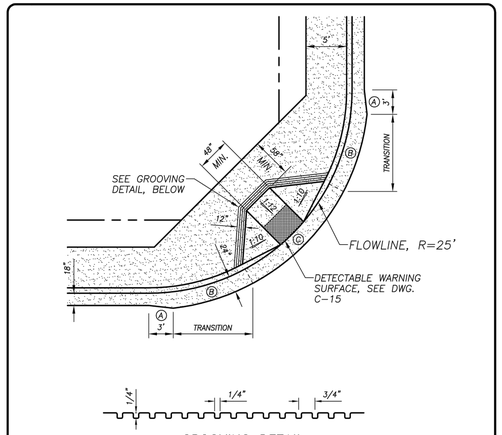
Ⓐ CONCRETE LIP SHALL EXTEND FROM 18" TO 24" WITHIN THE FIRST 3 FEET OF THE RADIUS POINT. LIP OF GUTTER SHALL BE 2" HIGHER THAN FLOWLINE

Ⓑ CONCRETE LIP SHALL MAINTAIN 24" FROM FLOWLINE. CONCRETE LIP SHALL TRANSITION FROM 2" TO 1" ABOVE FLOWLINE. TRANSITION SHALL BE COMPLETED BY START OF FLARED SIDES (WINGS)

Ⓒ CONCRETE LIP SHALL MAINTAIN 24" FROM FLOWLINE AND 1" ABOVE FLOWLINE. MAXIMUM ALLOWABLE SLOPE IS 5%

CURB RETURN PEDESTRIAN RAMP

	DRAWN BY: JSH	CITY OF TURLOCK	DRAWING NO. C-10
	CHECK BY: NBB	APPROVED BY:	COUNCIL APPROVAL
	SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694	DEC, 2015



GROOVING DETAIL

Ⓐ CONCRETE LIP SHALL EXTEND FROM 18" TO 24" WITHIN THE FIRST 3 FEET OF THE RADIUS POINT. LIP OF GUTTER SHALL BE 2" HIGHER THAN FLOWLINE

Ⓑ CONCRETE LIP SHALL MAINTAIN 24" FROM FLOWLINE. CONCRETE LIP SHALL TRANSITION FROM 2" TO 1" ABOVE FLOWLINE. TRANSITION SHALL BE COMPLETED BY START OF FLARED SIDES (WINGS)

Ⓒ CONCRETE LIP SHALL MAINTAIN 24" FROM FLOWLINE AND 1" ABOVE FLOWLINE. MAXIMUM ALLOWABLE SLOPE IS 5%

CURB RETURN PEDESTRIAN RAMP

	DRAWN BY: JSH	CITY OF TURLOCK	DRAWING NO. C-11
	CHECK BY: NBB	APPROVED BY:	COUNCIL APPROVAL
	SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694	DEC, 2015

NOT TO SCALE

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

Sulaiman Arain

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

CONSTRUCTION DETAILS

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

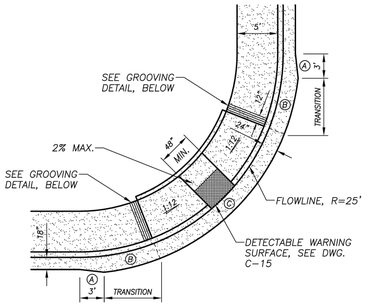
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1/2" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

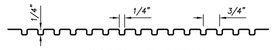
DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-01

SHEET: 125 OF 169

22-001-P1-10-CD-01.dwg
10/26/2022 4:52:13 PM





GROOVING DETAIL

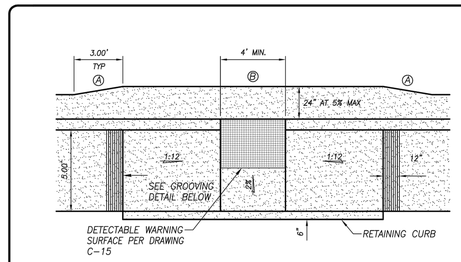
Ⓐ CONCRETE LIP SHALL EXTEND FROM 18" TO 24" WITHIN THE FIRST 3 FEET OF THE RADIUS POINT. LIP OF GUTTER SHALL BE 2" HIGHER THAN FLOWLINE

Ⓑ CONCRETE LIP SHALL MAINTAIN 24" FROM FLOWLINE. CONCRETE LIP SHALL TRANSITION FROM 2" TO 1" ABOVE FLOWLINE. TRANSITION SHALL BE COMPLETED BY START OF FLARED SIDES (WINGS)

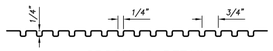
Ⓒ CONCRETE LIP SHALL MAINTAIN 24" FROM FLOWLINE AND 1" ABOVE FLOWLINE. MAXIMUM ALLOWABLE SLOPE IS 5%

CURB RETURN PEDESTRIAN RAMP

DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. C-12
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694		



NOTE: SLOPES GIVEN ARE THE MAXIMUM ALLOWED



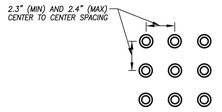
GROOVING DETAIL

Ⓐ CONCRETE LIP SHALL TRANSITION FROM 18" TO 24" WITHIN 3 FEET OF THE TOP OF THE RAMP. LIP OF GUTTER SHALL TRANSITION FROM 2" TO 1" ABOVE FLOWLINE.

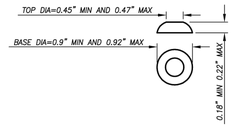
Ⓑ CONCRETE LIP SHALL MAINTAIN 24" FROM FLOWLINE AND 1" ABOVE FLOWLINE. MAXIMUM ALLOWABLE SLOPE IS 5%

MID-BLOCK PEDESTRIAN RAMP ~ CURB ADJACENT

DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. C-14
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694		



RAISED TRUNCATED DOME PATTERN (IN-LINE)



RAISED TRUNCATED DOME

DETECTABLE WARNING SURFACE

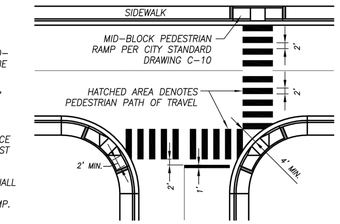
NOTES:

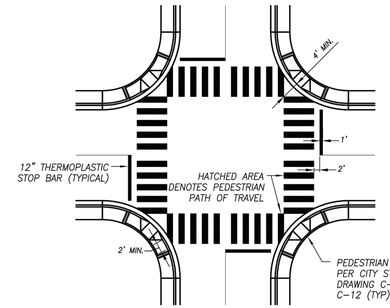
1. CAST-IN-PLACE PREFABRICATED DETECTABLE WARNING SURFACE SHALL BE COMPOSED OF A VITRIFIED POLYMER INCLUDING ALUMINUM OXIDE ("ARMOR-TILE" OR APPROVED EQUAL). COLOR SHALL BE SAFETY YELLOW. FIELD SURFACE AND TOP OF DOMES TO HAVE A SLIP RESISTANCE SURFACE.
2. CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3'~0" DEPTH OF THE RAMP. A 4'~0" WIDE DETECTABLE WARNING SURFACE MAY BE USED ON A 4'~2" WIDE CURB RAMP. DETECTABLE WARNING SURFACES SHALL CONFORM TO THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS.

DETECTABLE WARNING SURFACE

DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. C-15
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694		

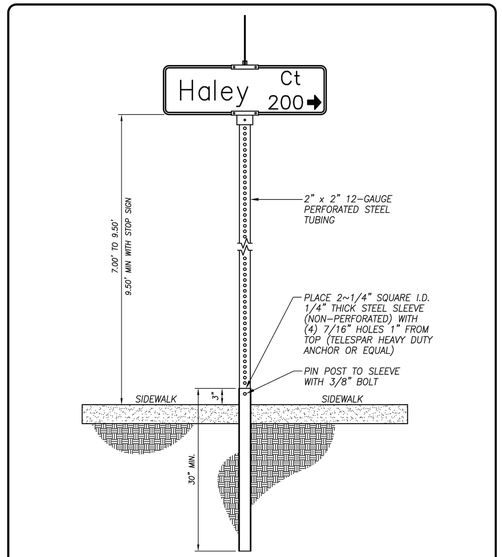
NOTES:
1. CROSS WALK SHALL BE THERMOPLASTIC MATERIAL.
2. EACH BAND OF THERMO-PLASTIC MATERIAL SHALL BE 2' WIDE.
3. EACH GAP SHALL BE 2' WIDE, SHRINK MIDDLE GAP IF NECESSARY.
4. 4' MINIMUM CLEAR SPACE FROM FLOWLINE TO CLOSEST EDGE OF THERMOPLASTIC.
5. THERMOPLASTIC BAR SHALL START 2' FROM BEGINNING OF WING FOR ACCESS RAMP.





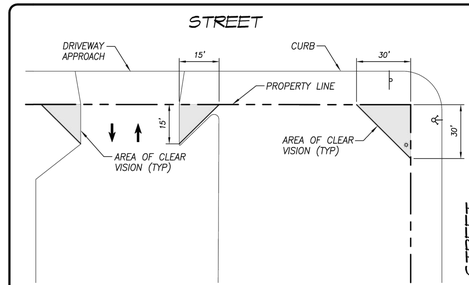
CROSS WALK LAYOUT

DRAWN BY: AZ	CITY OF TURLOCK		DRAWING NO. C-17
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694		



SIGN POST

DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. ST-11
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694		



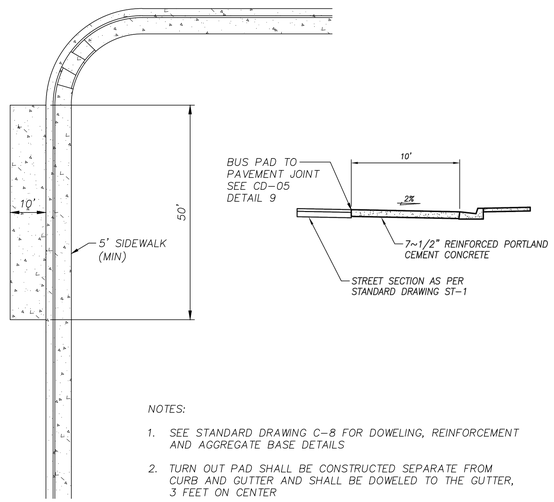
DRIVEWAY AND CORNER VISIBILITY

STREET CORNERS AND DRIVEWAYS CONNECTING WITH PUBLIC STREET SHALL BE MAINTAINED AS AREA OF UNRESTRICTED VISIBILITY ("CLEAR VISION ZONES") AS FOLLOWS:

1. FOR STREET CORNERS: AT THE INTERSECTION OF 2 STREETS, THERE SHALL BE A CLEAR VISION AREA BETWEEN 3 FEET AND 8' FEET IN HEIGHT MEASURED FROM THE TOP OF THE STREET CURB. WITHIN THIS CLEAR VISION AREA, NO FENCE, LANDSCAPING OR OTHER OBJECT SHALL BE ERECTED, PLANTED, OR ALLOWED TO GROW AND CAUSE A VISUAL OBSTRUCTION. THE CLEAR VISION AREA SHALL BE MEASURED 30' FEET FROM THE INTERSECTION OF THE STREET RIGHT-OF-WAY MEASURED ALONG BOTH OF THE RIGHT-OF-WAY LINES OF 2 INTERSECTING MINOR STREETS. UTILITY POLES AND ONE TREE MAY ENCROACH INTO THE CLEAR VISION AREA AS LONG AS THERE ARE NO TREE BRANCHES LOWER THAN 8' FEET AND THE UTILITY POLE OR TREE TRUNK DOES NOT CONSTITUTE A VISUAL HAZARD AS DETERMINED BY THE CITY ENGINEER
2. FOR DRIVEWAYS: THE CLEAR VISION AREA FOR DRIVEWAYS LINE 15' FEET FROM THE INTERSECTION OF THE EDGE OF DRIVEWAY AND THE PROPERTY LINE MEASURED ALONG BOTH THE DRIVEWAY AND THE PROPERTY LINE
3. OTHER AREAS MAY REQUIRE UNRESTRICTED VISIBILITY AS DETERMINED BY THE CITY ENGINEER

DRIVEWAY AND CORNER VISIBILITY

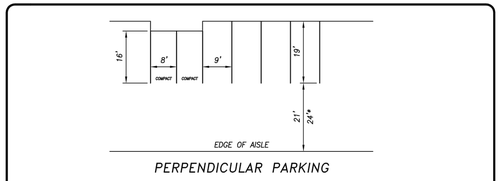
DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. ST-13
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694		



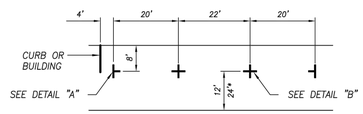
NOTES:

1. SEE STANDARD DRAWING C-8 FOR DOWELING, REINFORCEMENT AND AGGREGATE BASE DETAILS
2. TURN OUT PAD SHALL BE CONSTRUCTED SEPARATE FROM CURB AND GUTTER AND SHALL BE DOWELED TO THE GUTTER, 3 FEET ON CENTER

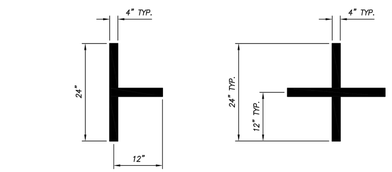
NEARSIDE BUS TURNOUT ST-14 MOD



PERPENDICULAR PARKING



PARALLEL PARKING



DETAIL "A" DETAIL "B"

* MINIMUM AISLE WIDTH FOR TWO-WAY TRAFFIC

PARKING STALL LAYOUT

DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. ST-20
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694		

NOT TO SCALE

USA NORTH 811 Call 811 Before You Dig

NOTE: ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908
CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

CONSTRUCTION DETAILS

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

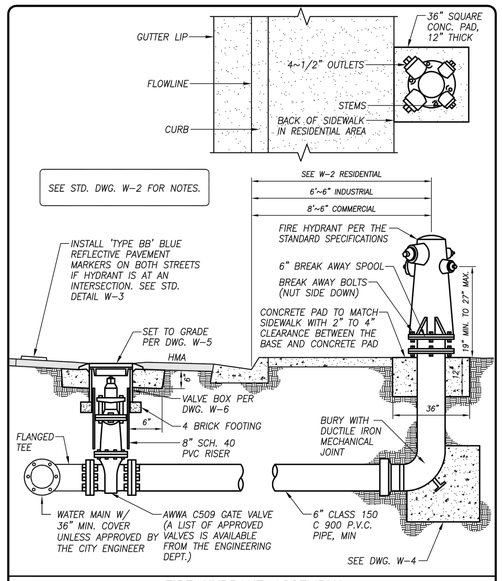
DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-02

SHEET: 126 OF 169

22-001-P1-10-CD-02.dwg

10/26/2022 4:52:22 PM



FIRE HYDRANT ASSEMBLY

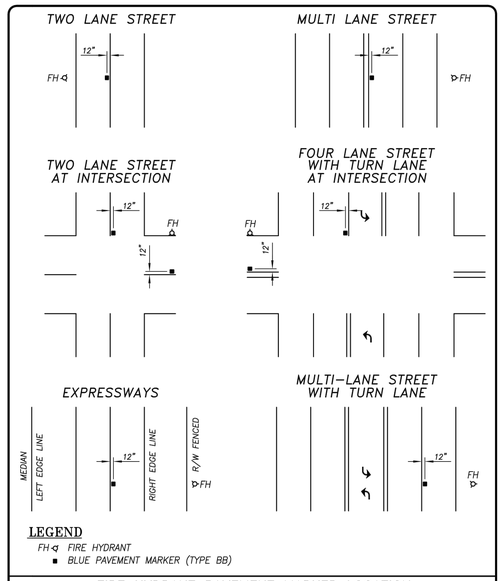
DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. W-1
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694		

NOTES:

1. IN INDUSTRIAL AREAS, FIRE HYDRANTS SHALL BE LOCATED SIX FEET – SIX INCHES BEHIND FLOW LINE. WHERE PARKWAYS ARE EXISTING OR PROPOSED, HYDRANT SHALL BE 24 INCHES BEHIND FLOW LINE.
2. IN COMMERCIAL AREAS, WHERE 8 FEET TO 10 FEET OF SIDEWALK ARE EXISTING OR PROPOSED, FIRE HYDRANTS SHALL BE LOCATED EIGHT FEET – SIX INCHES BEHIND FLOW LINE. AT EXISTING OR PROPOSED FIVE FEET OR SIX FEET OF SIDEWALK SEE NOTE 1.
3. FIRE HYDRANTS SHALL BE LOCATED
   - A. AT STREET CORNERS WHENEVER POSSIBLE
   - B. IN RESIDENTIAL ZONED AREAS, NO MORE THAN 500 FEET APART AND NO MORE THAN 300 FEET FROM DEAD–END STREETS.
   - C. FOR ALL OTHER ZONES:
     1. NO MORE THAN 300 FEET APART AND NO MORE THAN 300 FEET FROM DEAD–END STREETS.
     2. IF ON–SITE HYDRANTS OR APPROVED FIRE SPRINKLER SYSTEMS ARE INSTALLED, (AS APPROVED BY THE FIRE DEPARTMENT), THE SPACING SHALL BE NO MORE THAN 500 FEET APART AND NO MORE THAN 250 FEET FROM DEAD–END STREETS.
   - D. OTHER LOCATIONS DEEMED NECESSARY BY THE CITY ENGINEER TO PROVIDE ADEQUATE FIRE PROTECTION TO THE PROPERTY.
   - E. ON ARTERIAL, EXPRESSWAY OR DIVIDED COLLECTOR STREETS, AS DESIGNATED IN THE GENERAL PLAN, SPECIFIC AND MASTER PLANS, THE HYDRANT SPACING SHALL BE APPLICABLE TO EACH SIDE OF THE STREETS.
   - F. MINIMUM 36" CLEARANCE AROUND ALL FIRE HYDRANTS TO INCLUDE ALL DRIVEWAYS.

FIRE HYDRANT LOCATIONS

DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. W-2
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694		



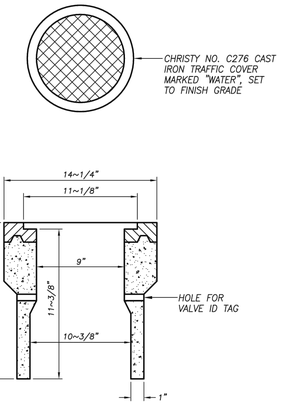
LEGEND

FH ◁ FIRE HYDRANT

■ BLUE PAVEMENT MARKER (TYPE BB)

FIRE HYDRANT PAVEMENT MARKER LOCATION

DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. W-3
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694		



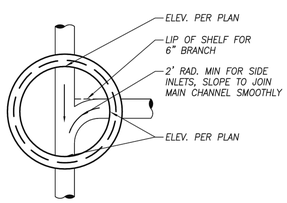
CHRISTY NO. G–5 BODY

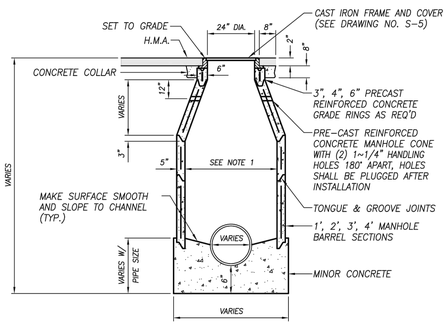
WATER VALVE BOX

DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. W-6
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694		

NOTES:

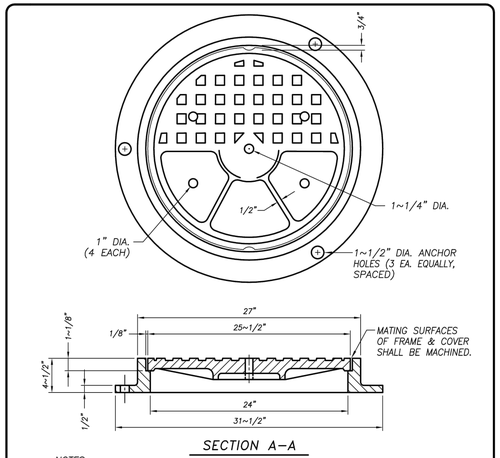
1. MANHOLE DIAMETER SHALL BE 48" WHEN SERVING PIPES 24" IN DIAMETER OR SMALLER. MANHOLE DIAMETER SHALL BE 60" WHEN SERVING PIPES LARGER THAN 24" IN DIAMETER
2. SEE STANDARD DWG. S–4 FOR DROP MANHOLE DETAIL
3. THE DEPTH OF CHANNELS FLOWING INTO THE MAIN LINE SHALL BE NO DEEPER THAN HALF IT'S PIPE DIAMETER
4. ALL JOINTS SHALL BE SET WITH RAMNEK, OR APPROVED EQUAL, AND GROUTED





STANDARD MANHOLE

DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. S–3
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694		



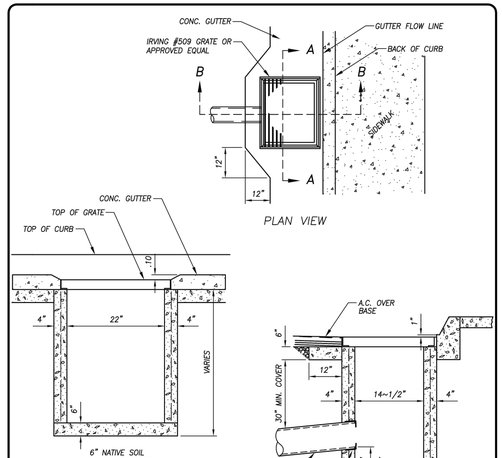
SECTION A–A

NOTES:

1. CAST IRON SHALL HAVE A TENSILE STRENGTH OF 38,000 PSI.
2. FRAME SHALL BE SET TO FINISH GRADE
3. SOUTH BAY FOUNDRY FRAME AND LID NO. 624/106 OR APPROVED EQUAL FOR SANITARY SEWER.
4. SOUTH BAY FOUNDRY FRAME AND LID NO. 624 OR APPROVED EQUAL FOR STORM DRAIN.
5. WEIGHT OF LID SHALL BE 100 POUNDS MINIMUM.

MANHOLE FRAME AND COVER

DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. S–5
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694		



NOTE:
ONLY TO BE USED WITH THE WRITTEN PERMISSION OF THE CITY ENGINEER

CATCH BASIN NO. 1

DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. SD–1
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694		

NOT TO SCALE

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SULAIMAN ARAIN — No. C78364 — Exp. 9/30/2023 — CIVIL — STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY, SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 — 1/2" — 3/4" — 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

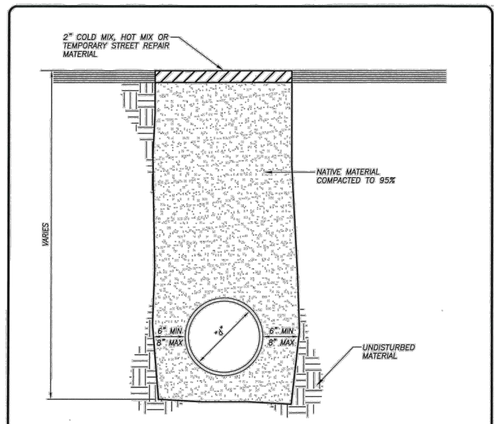
DRAWN BY: R. LIM	
REV. BY:	
CH. BY: S. ARAIN	
DATE: 10/28/2022	
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

DRAWING No. CD-03

SHEET: 127 OF 169

22-001-P1-10-CD-03.dwg

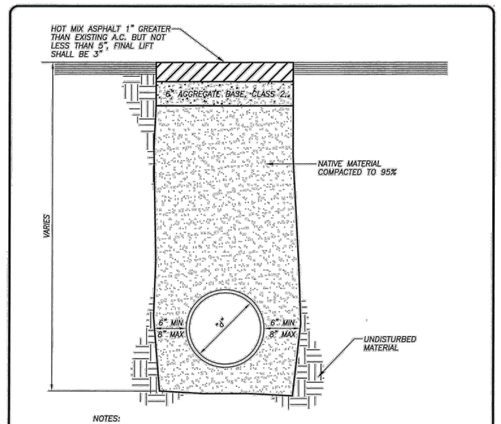
10/26/2022 4:52:30 PM



NOTES:
1. COMPACTION TESTS SHALL BE APPROVED BY THE CITY BEFORE PAVING.
2. TRENCHES 5 FEET OR MORE IN DEPTH SHALL BE SHORED.
3. MAXIMUM LIFT THICKNESS FOR BEDDING AND BACKFILL SHALL BE 12" BEFORE COMPACTION.
4. TRENCHES WHICH ARE LESS THAN 30" IN DEPTH OR LESS THAN 18" IN WIDTH SHALL BE BACKFILLED WITH TWO SACK CEMENT SLURRY.
5. ALL STEPS OF TRENCHING SHALL BE REPEATED WHEN REPAIRING A SECTION OF PIPE.

3 STEP TRENCH REPAIR ~ STEP 1

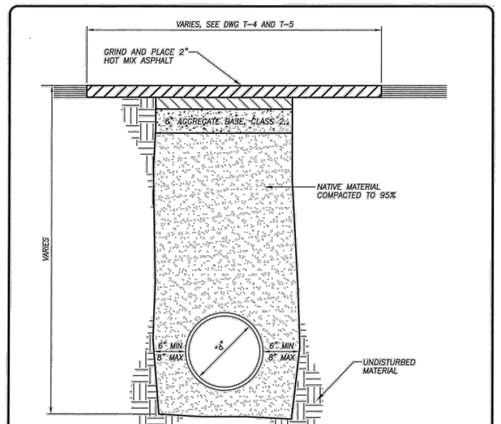
DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. T-1
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL FEB, 2019
SCALE: NONE	INTERIM CITY ENGINEER – NATHAN B. BRAY – RCE 76642		



NOTES:
1. STEP 1 MAY BE OMITTED IF STEP 2 IS PERFORMED SAME DAY AS TRENCH EXCAVATION
2. COMPACTION TESTS SHALL BE APPROVED BY THE CITY BEFORE PAVING.
3. TRENCHES 5 FEET OR MORE IN DEPTH SHALL BE SHORED.
4. MAXIMUM LIFT THICKNESS FOR BEDDING AND BACKFILL SHALL BE 12" BEFORE COMPACTION.
5. TRENCHES WHICH ARE LESS THAN 30" IN DEPTH OR LESS THAN 18" IN WIDTH SHALL BE BACKFILLED WITH TWO SACK CEMENT SLURRY.
6. ALL STEPS OF TRENCHING SHALL BE REPEATED WHEN REPAIRING A SECTION OF PIPE.
7. HMA SHALL BE PG 64-10, TYPE A

3 STEP TRENCH REPAIR ~ STEP 2

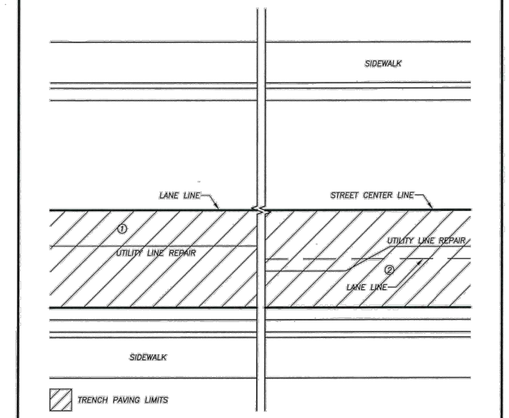
DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. T-2
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL FEB, 2019
SCALE: NONE	INTERIM CITY ENGINEER – NATHAN B. BRAY – RCE 76642		



NOTES:
1. COMPACTION TESTS SHALL BE APPROVED BY THE CITY BEFORE PAVING.
2. TRENCHES 5 FEET OR MORE IN DEPTH SHALL BE SHORED.
3. MAXIMUM LIFT THICKNESS FOR BEDDING AND BACKFILL SHALL BE 12" BEFORE COMPACTION.
4. TRENCHES WHICH ARE LESS THAN 30" IN DEPTH OR LESS THAN 18" IN WIDTH SHALL BE BACKFILLED WITH TWO SACK CEMENT SLURRY.
5. ALL STEPS OF TRENCHING SHALL BE REPEATED WHEN REPAIRING A SECTION OF PIPE.

3 STEP TRENCH REPAIR ~ STEP 3

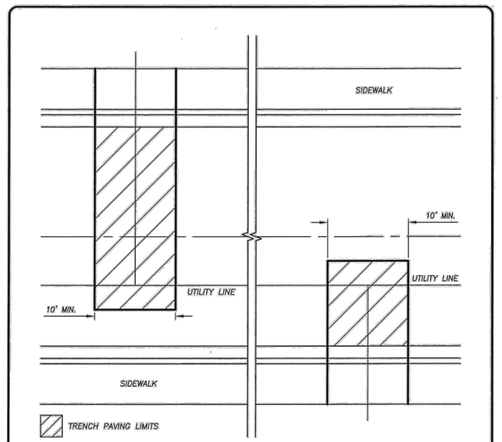
DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. T-3
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL FEB, 2019
SCALE: NONE	INTERIM CITY ENGINEER – NATHAN B. BRAY – RCE 76642		



NOTES:
1. GRINDING AND FINAL PAVING WIDTH SHALL BE TO THE EXTENT OF AFFECTED LANE LINES, 12' MIN.
2. IF TRENCH CROSSES LANE LINES, GRINDING AND FINAL PAVING WIDTH SHALL BE TO THE EXTENT OF ALL AFFECTED LANE LINES FOR ENTIRE LENGTH OF TRENCH

LONGITUDINAL TRENCH PATCH LIMITS

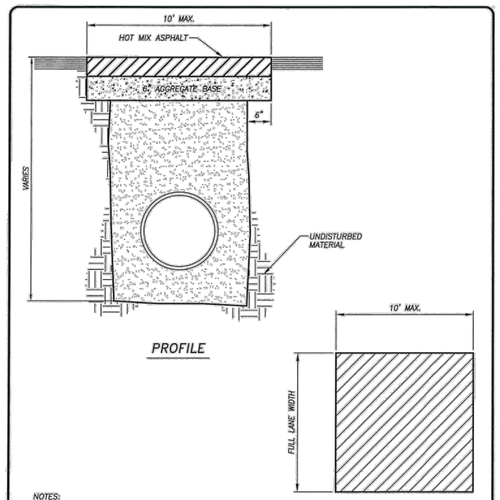
DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. T-4
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL FEB, 2019
SCALE: NONE	INTERIM CITY ENGINEER – NATHAN B. BRAY – RCE 76642		



NOTES:
1. GRINDING AND PAVING WIDTH SHALL BE 10' MIN.
2. ALL CUTS SHALL BE SQUARE AND PERPENDICULAR TO THE TRAVEL LANE

PERPENDICULAR TRENCH PATCH LIMITS

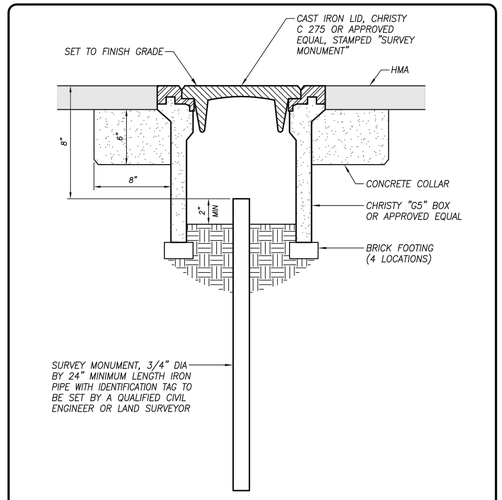
DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. T-5
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL FEB, 2019
SCALE: NONE	INTERIM CITY ENGINEER – NATHAN B. BRAY – RCE 76642		



NOTES:
1. HMA SHALL BE 1" GREATER THAN EXISTING, 5" MIN.
2. LIFT THICKNESS SHALL BE 2" TO 3"
3. HMA SHALL BE PG 64-10, TYPE A
4. FINAL LIFT SHALL BE COMPACTED WITH A VIBRATORY ROLLER

BELL HOLE PATCH

DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. T-6
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL FEB, 2019
SCALE: NONE	INTERIM CITY ENGINEER – NATHAN B. BRAY – RCE 76642		



NOTES:
1. MONUMENTS SHALL BE SET AFTER PAVING OPERATIONS ARE COMPLETE.
2. MONUMENTS ARE TO BE PLACED AT THE INTERSECTION OF CENTERLINES, BEGINNING OF CURVE, END OF CURVE, POINT OF REVERSE CURVE, ETC. FOR ALL PUBLIC ROADWAYS.

MONUMENT DETAIL

DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. M-1
CHECK BY: NBB	APPROVED BY:		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694		

NOT TO SCALE

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

CONSTRUCTION DETAILS

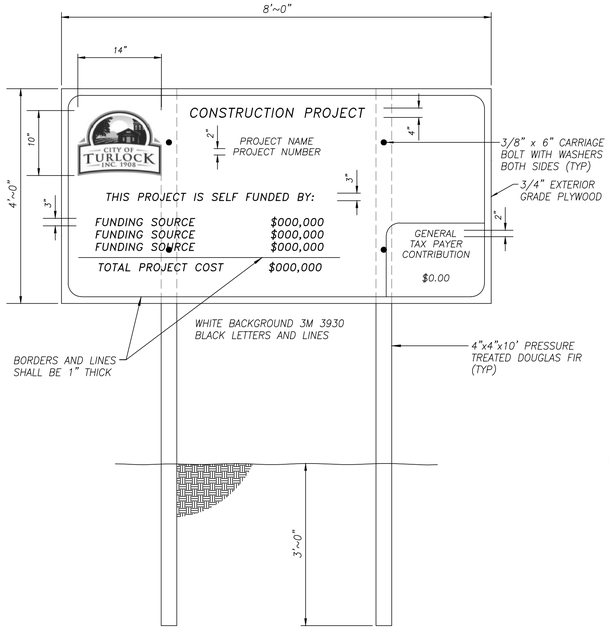
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

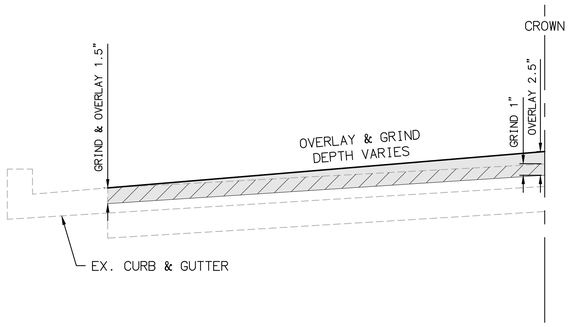
DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-04
SHEET: 128 OF 169

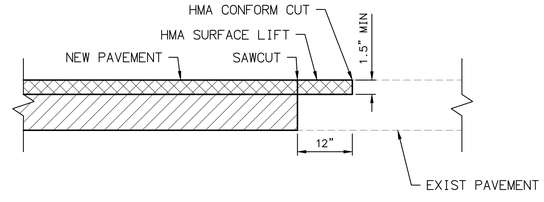
22-001-P1-10-CD-04.dwg
10/26/2022 4:52:40 PM



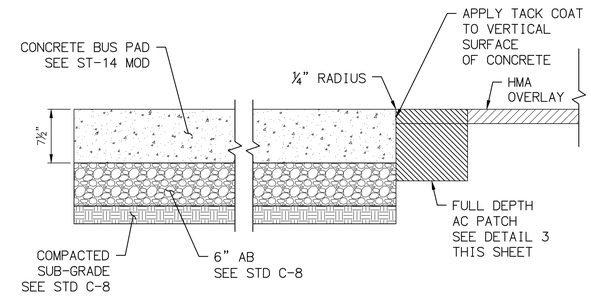
1 TEMPORARY CONSTRUCTION SIGN



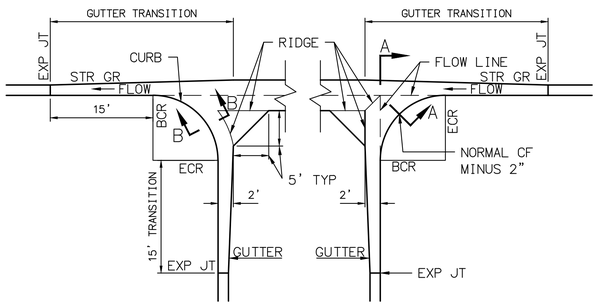
2 GRIND 1" OVERLAY 1.5" (GUTTER) TO 2.5" (CROWN)



6 CONFORM PAVEMENT DETAIL

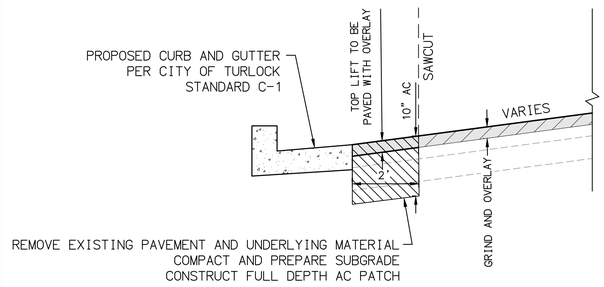


9 BUS PAD TO PAVEMENT JOINT



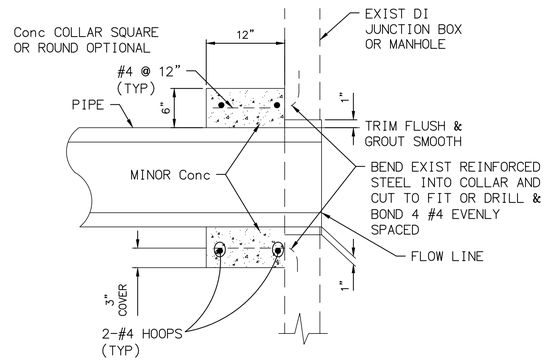
NOTE 1: ADJACENT TO CURB RAMPS, CONCRETE SLOPE SHALL BE 5% MAXIMUM FOR A DISTANCE OF 5 FEET FROM THE CURB FACE FOR THE WIDTH OF THE WIDTH OF THE RAMP, NOT INCLUDING SIDE TRANSITION CURBS.

5 VALLEY GUTTER SPANDREL

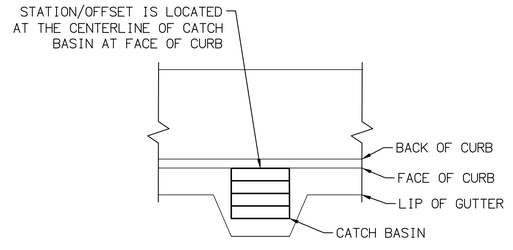


3 SAWCUT AND FULL DEPTH AC PATCH FOR CURB AND GUTTER CONSTRUCTION

DETAIL APPLIES TO G/O ONLY

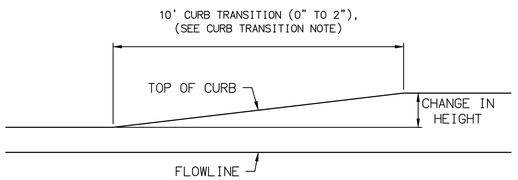


7 PIPE CONNECTION TO EXISTING MANHOLE



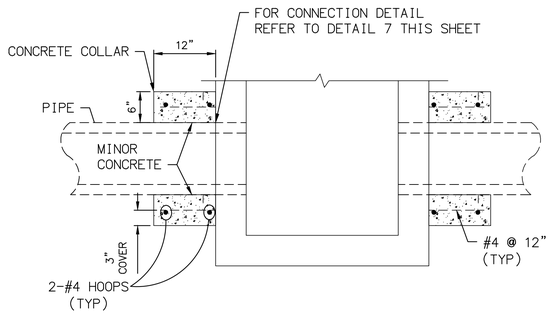
10 CATCH BASIN CONTROL LOCATION

CURB TRANSITION NOTE:
FIELD CONDITIONS MAY REQUIRE A LONGER OR SHORTER TRANSITION, AND SHALL BE SHOWN ELSEWHERE IN THE PLANS, OR AS DIRECTED BY THE ENGINEER.



4 CURB TRANSITION

NOTE: TO BE PAID FOR AS HIGHEST CURB



NOTES:
1. TOP OF PIPE TO BE REMOVED WITHIN MANHOLE. TRIM TO NEAT LINE AND FINISH OFF WITH GROUT TO LEAVE A SMOOTH FINISH.

8 NEW MANHOLE CONNECTION TO EXISTNG PIPE

NOT TO SCALE

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

CONSTRUCTION DETAILS

CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

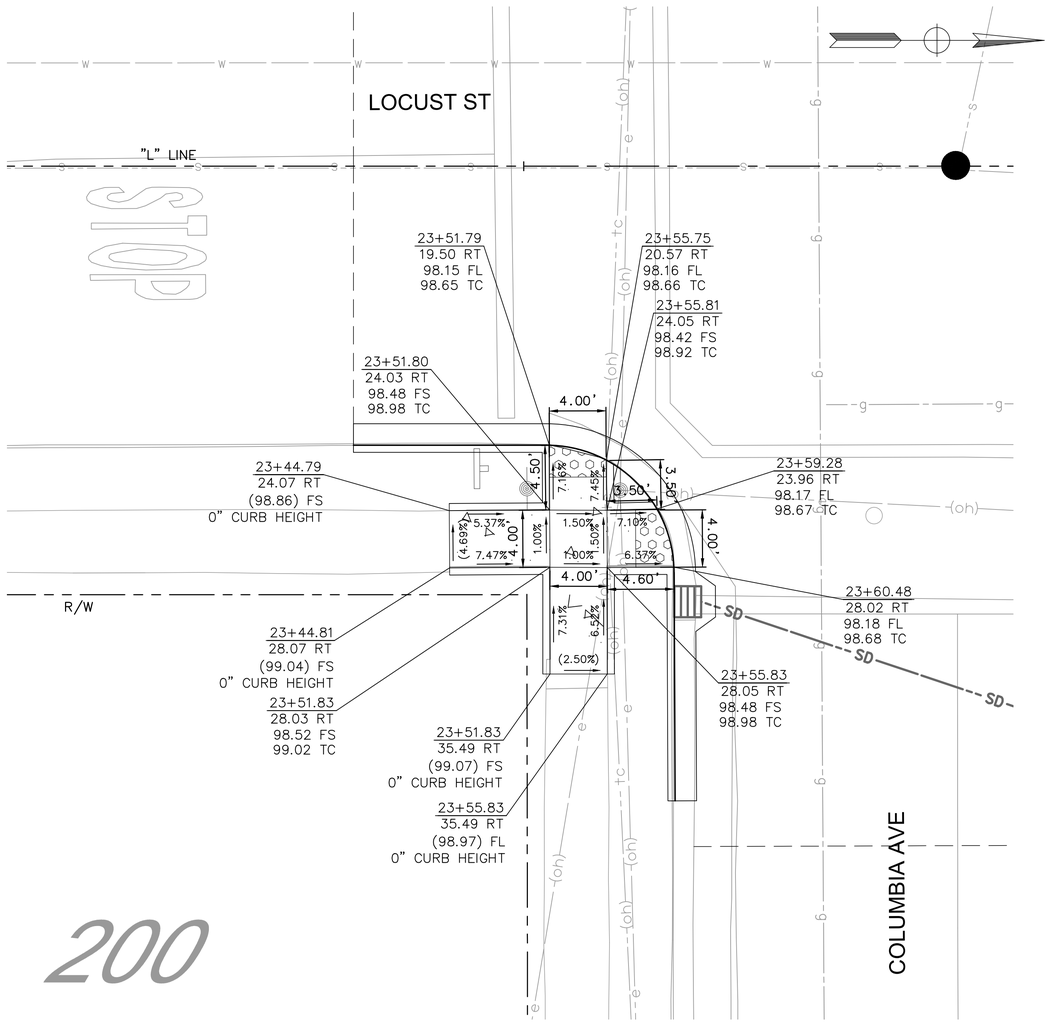
DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-05

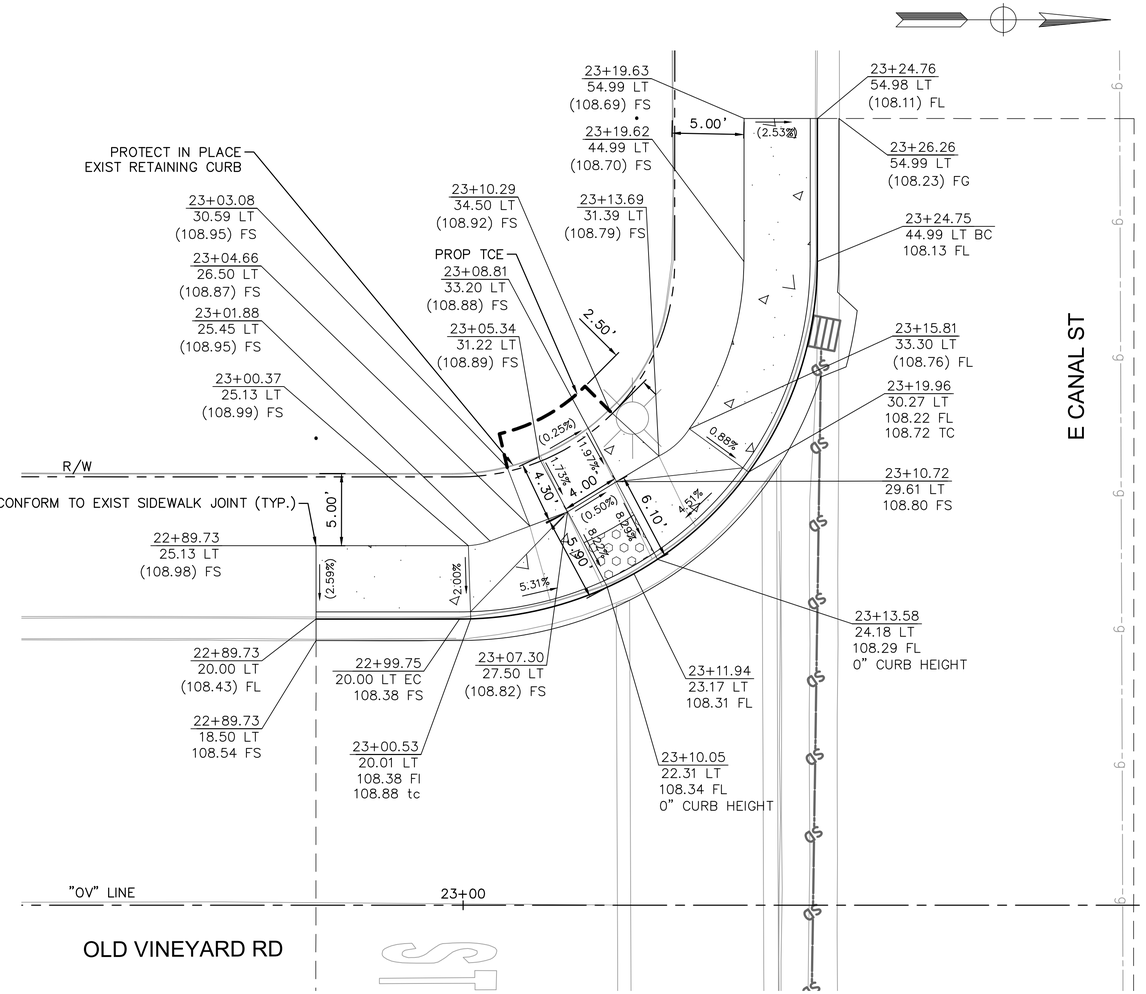
SHEET: 129 OF 169

22-001-P1-10-CD-05.dwg

10/26/2022 4:52:44 PM



2 / L-14 LOCUST ST & COLUMBIA AVE CURB RAMP DETAIL - SE CORNER
CALTRANS STD A88A CASE F (MOD)
1" = 5'



3 / L-05 OLD VINEYARD & E CANAL ST CURB RAMP DETAIL - SW CORNER
MOD STD C-11
1" = 5'

200

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

CONSTRUCTION DETAILS
CURB RAMP DETAIL

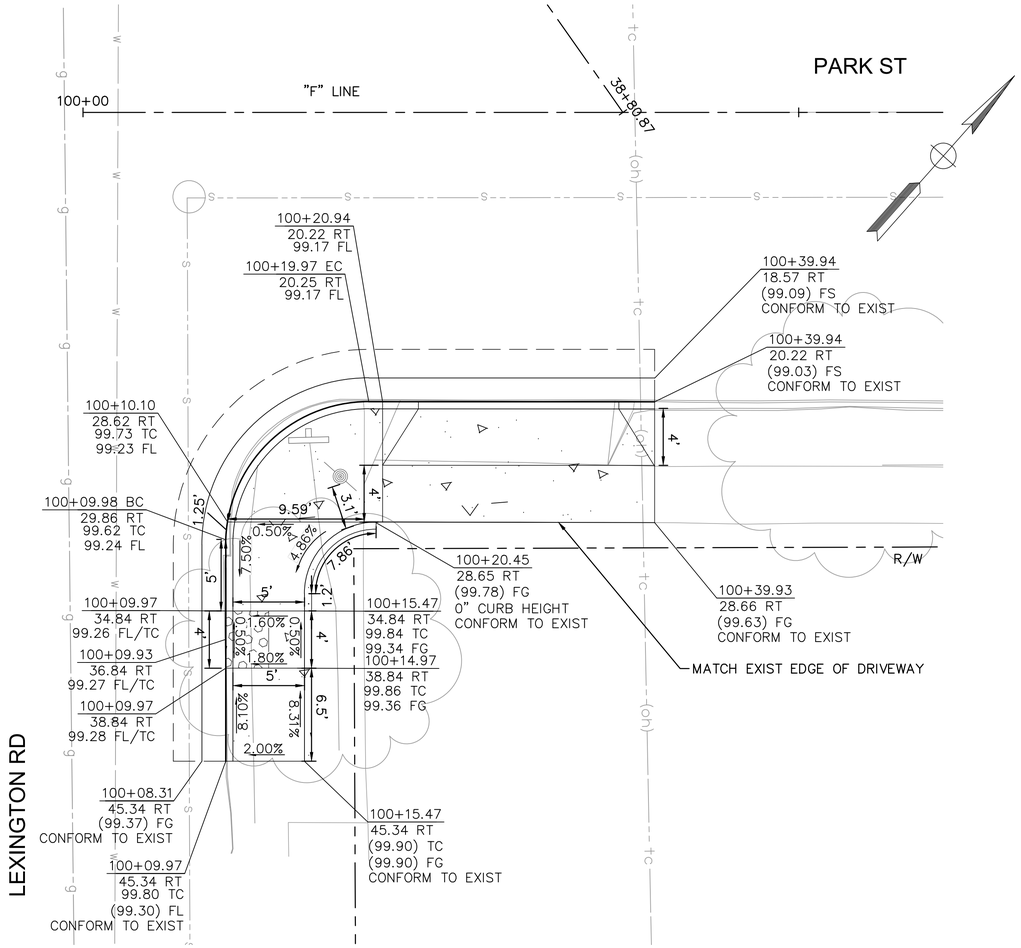
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION
AND IMPROVEMENT PROJECT

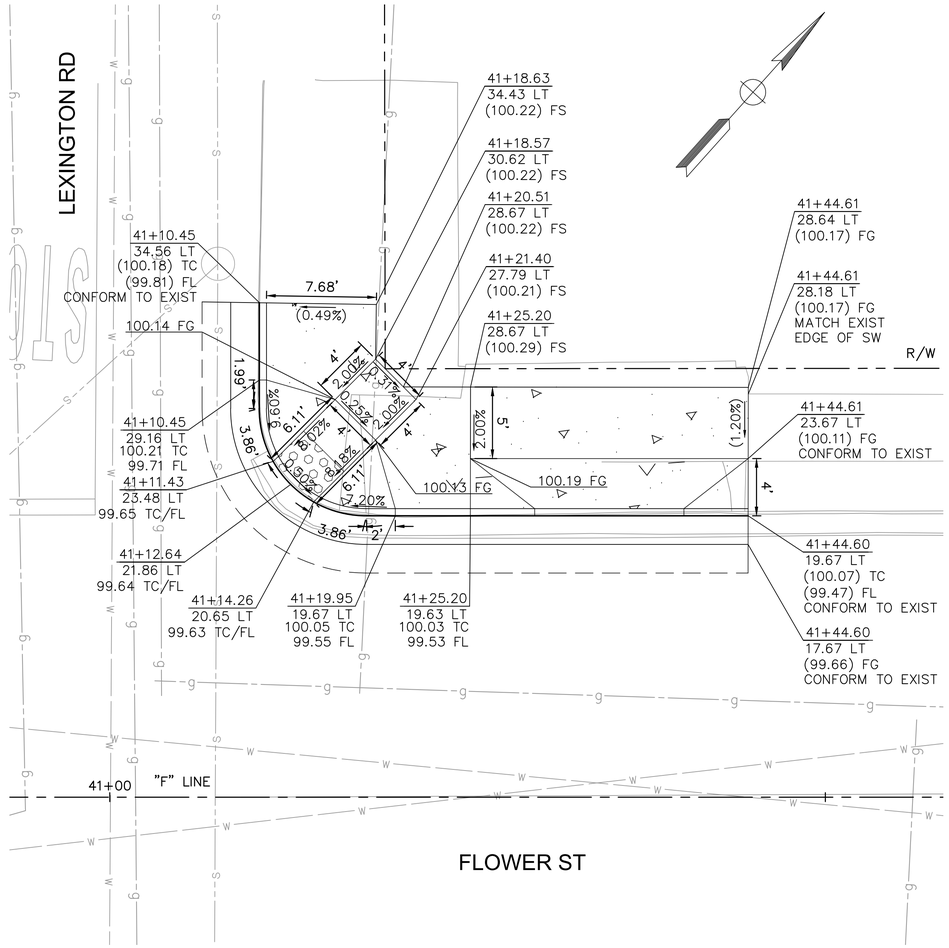
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	A.FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
CD-07
SHEET:
130 OF 169

22-001-P1-10-CD-07.dwg
10/27/2022 6:55:02 PM





4 L–06 PARK ST & LEXINGTON AVE CURB RAMP DETAIL - SE CORNER
STD C-14 (MOD)

1" = 5'

NOTES:

REFER TO STD C–14 FOR GROOVING DETAIL, GUTTER TRANSITION DETAIL, AND OTHER DETAILS NOT DEPICTED ON THIS DRAWING.

6 L–09 FLOWER ST & LEXINGTON AVE CURB RAMP- NE CORNER
STD C-11 (MOD)

1" = 5'

NOTES:

REFER TO STD C–11 FOR GROOVING DETAIL, GUTTER TRANSITION DETAIL, AND OTHER DETAILS NOT DEPICTED ON THIS DRAWING.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS
CURB RAMP DETAIL

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1/2" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. DRAGO
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

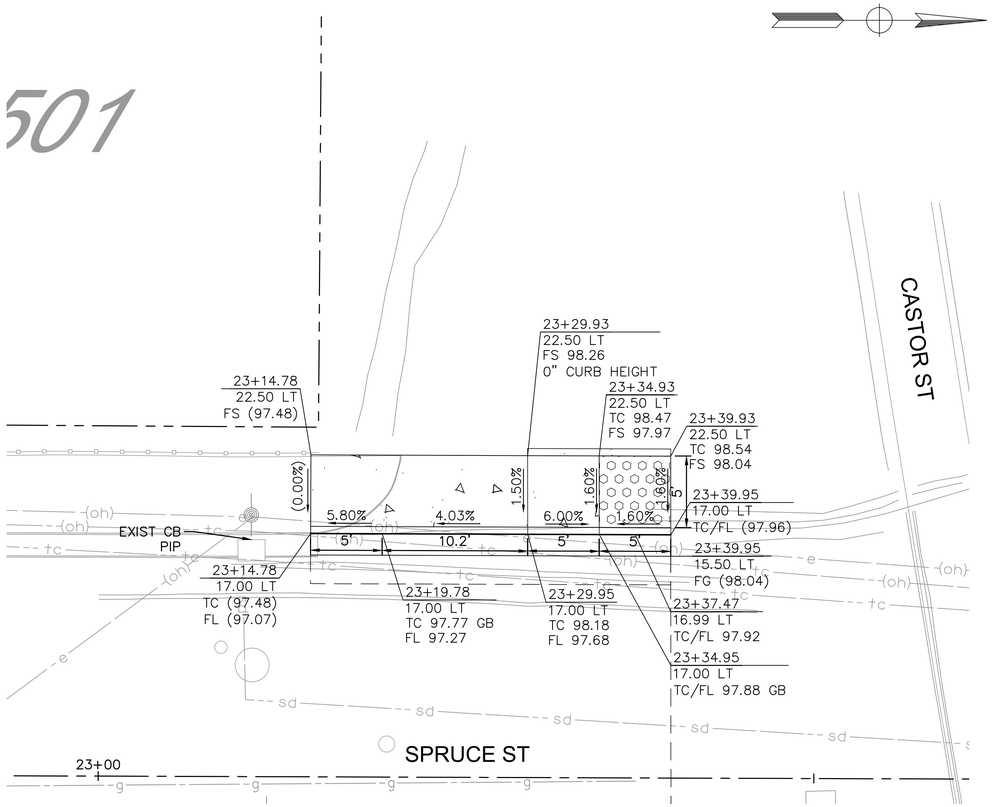
DRAWING No. CD-08

SHEET: 131 OF 169

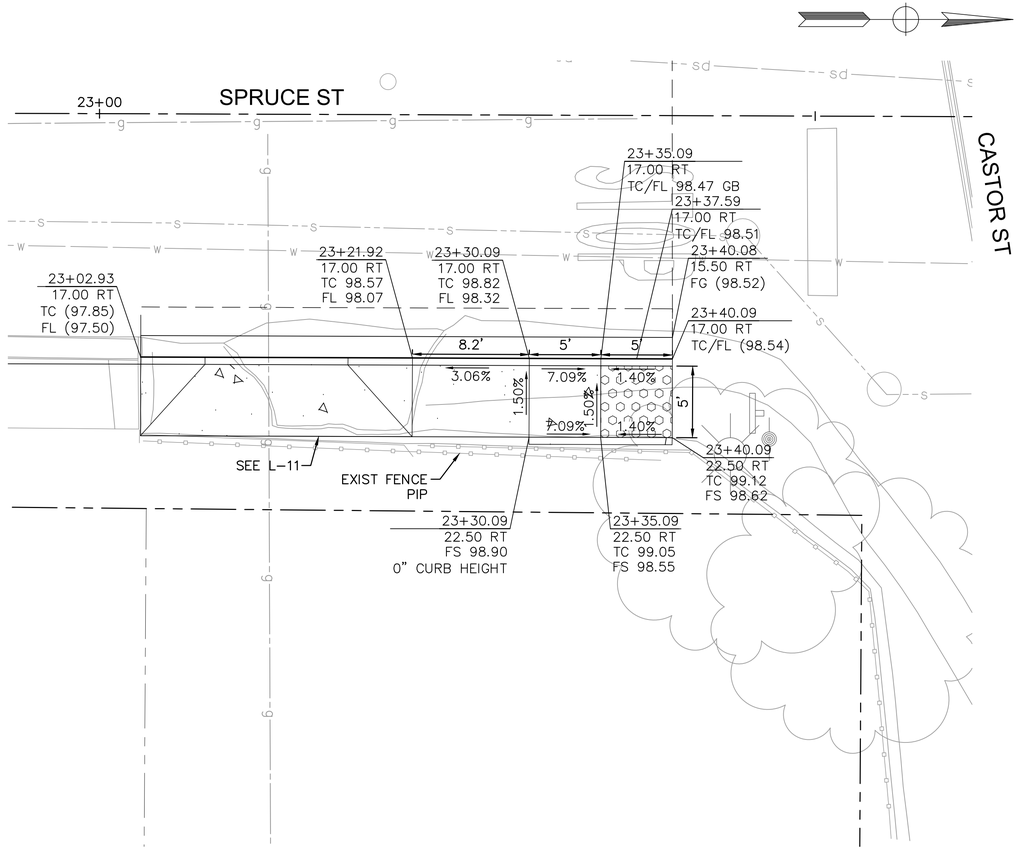
22-001-P1-10-CD-08.dwg

10/28/2022 12:43:41 PM

501



7 / L-11 SPRUCE ST & CASTOR ST CURB RAMP - SW CORNER
CALTRANS STD A88B CASE CM (MOD)
1" = 5'



8 / L-11 SPRUCE ST & CASTOR ST CURB RAMP - SE CORNER
CALTRANS STD A88B CASE CM (MOD)
1" = 5'

22-001-P1-10-CD-09.dwg

10/26/2022 5:46:27 PM

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

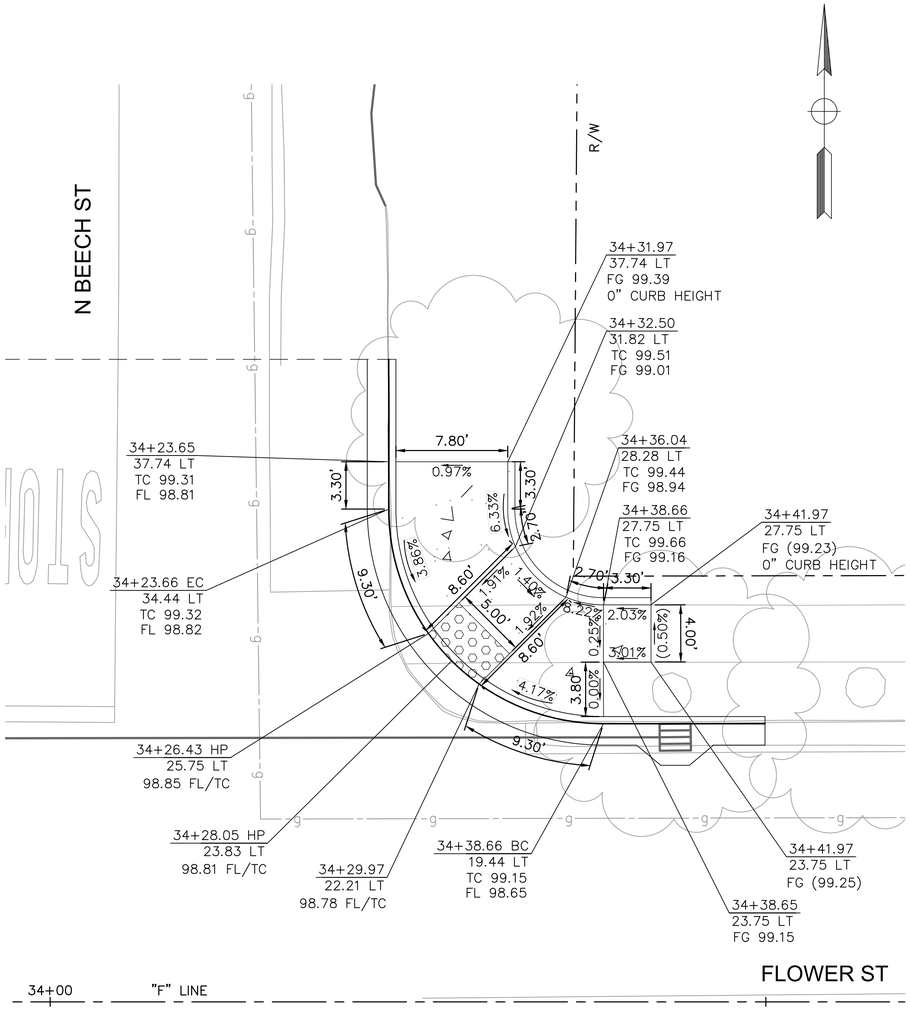
CONSTRUCTION DETAILS
CURB RAMP DETAIL

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION
AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
CD-09
SHEET:
132 OF 169

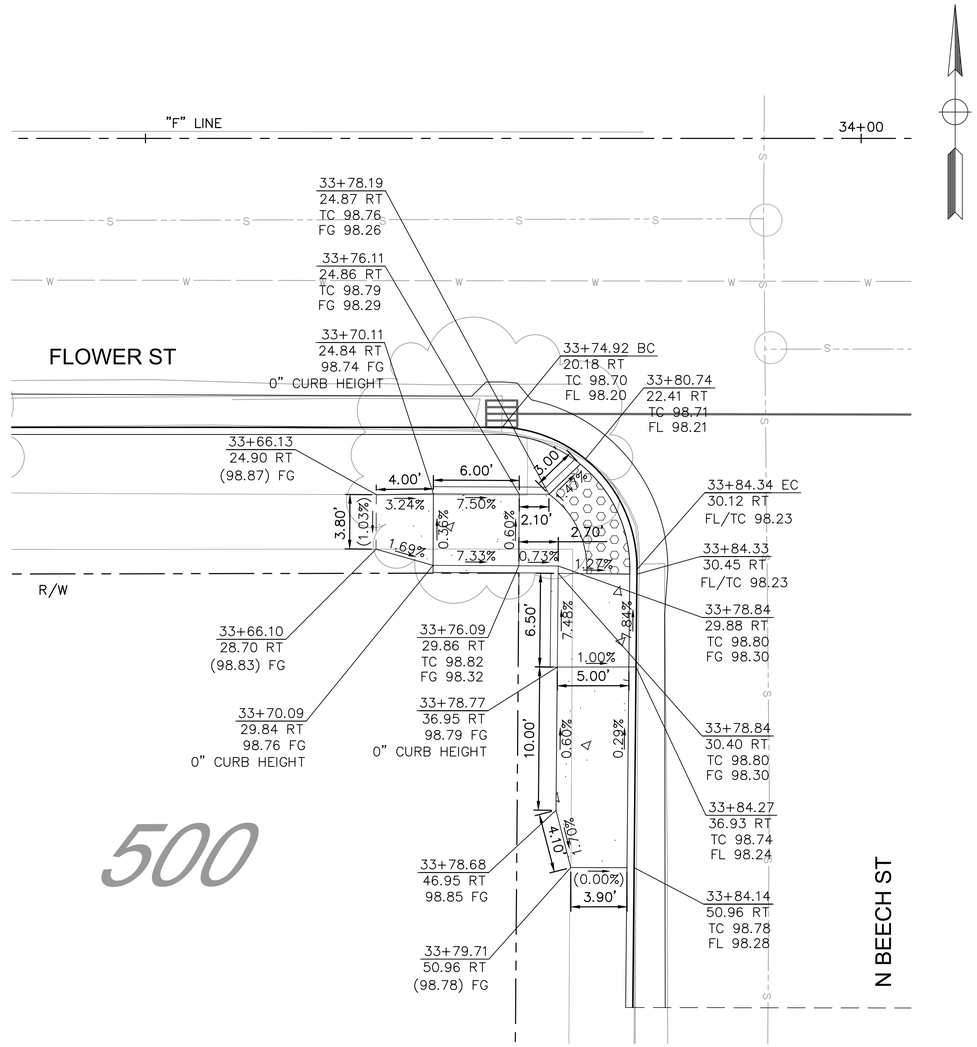


3 L–08

FLOWER ST & N BEECH ST - NE CORNER
STD C-12 (MOD)
1" = 5'

NOTES:

REFER TO STD C–12 FOR GROOVING DETAIL, GUTTER TRANSITION DETAIL, AND OTHER DETAILS NOT DEPICTED ON THIS DRAWING.



5 L–08

FLOWER ST & N BEECH ST - SW CORNER
STD C-12 (MOD)
1" = 5'

NOTES:

REFER TO STD C–12 FOR GROOVING DETAIL, GUTTER TRANSITION DETAIL, AND OTHER DETAILS NOT DEPICTED ON THIS DRAWING.

500

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS
CURB RAMP DETAIL

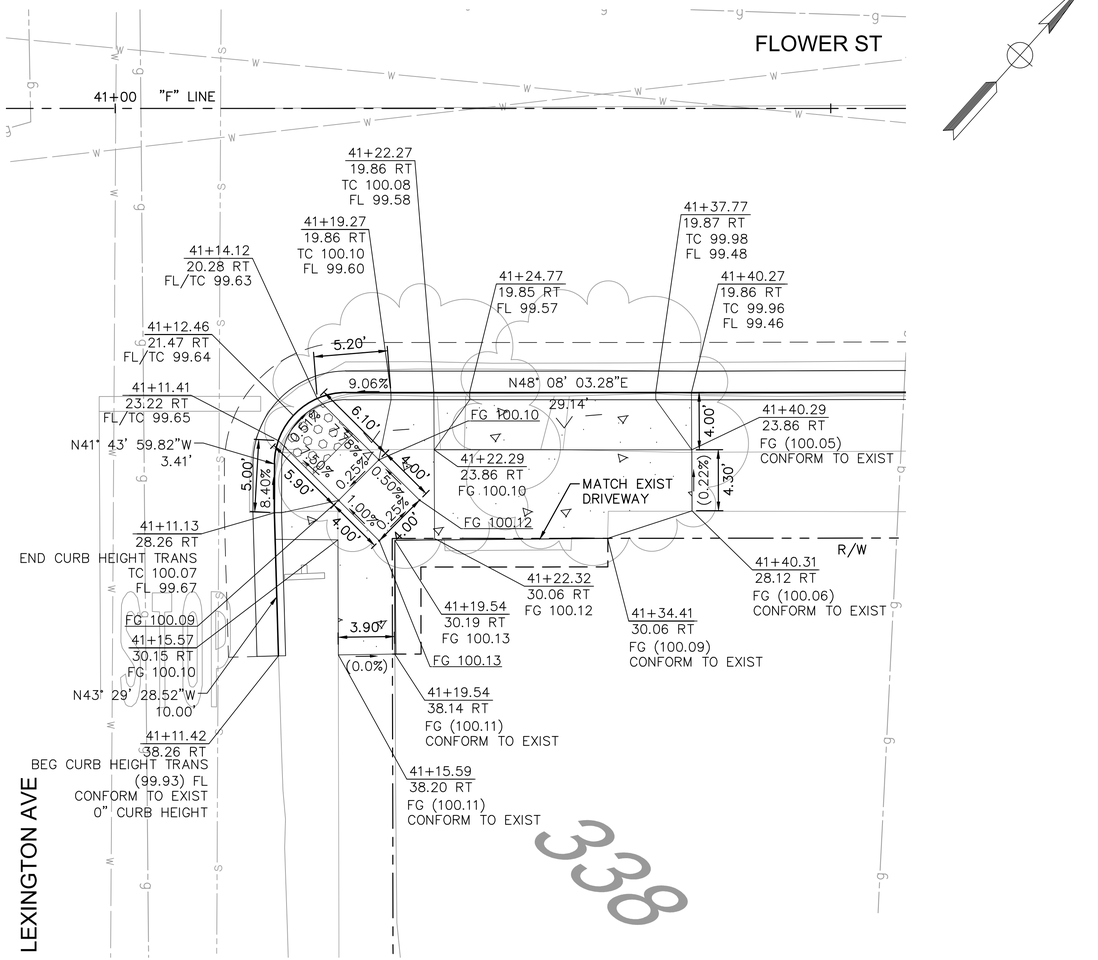
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. DRAGO
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
CD-10
SHEET:
133 OF 169

22-001-P1-10-CD-10.dwg
10/28/2022 3:59:08 PM



6
L–09

FLOWER ST & LEXINGTON AVE -SE CORNER

STD C-11 (MOD)

1" = 5'

NOTES:

REFER TO STD C–12 FOR GROOVING DETAIL, GUTTER TRANSITION DETAIL, AND OTHER DETAILS NOT DEPICTED ON THIS DRAWING.

22–001–P1–10–CD–11.dwg

10/28/2022 12:45:36 PM

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

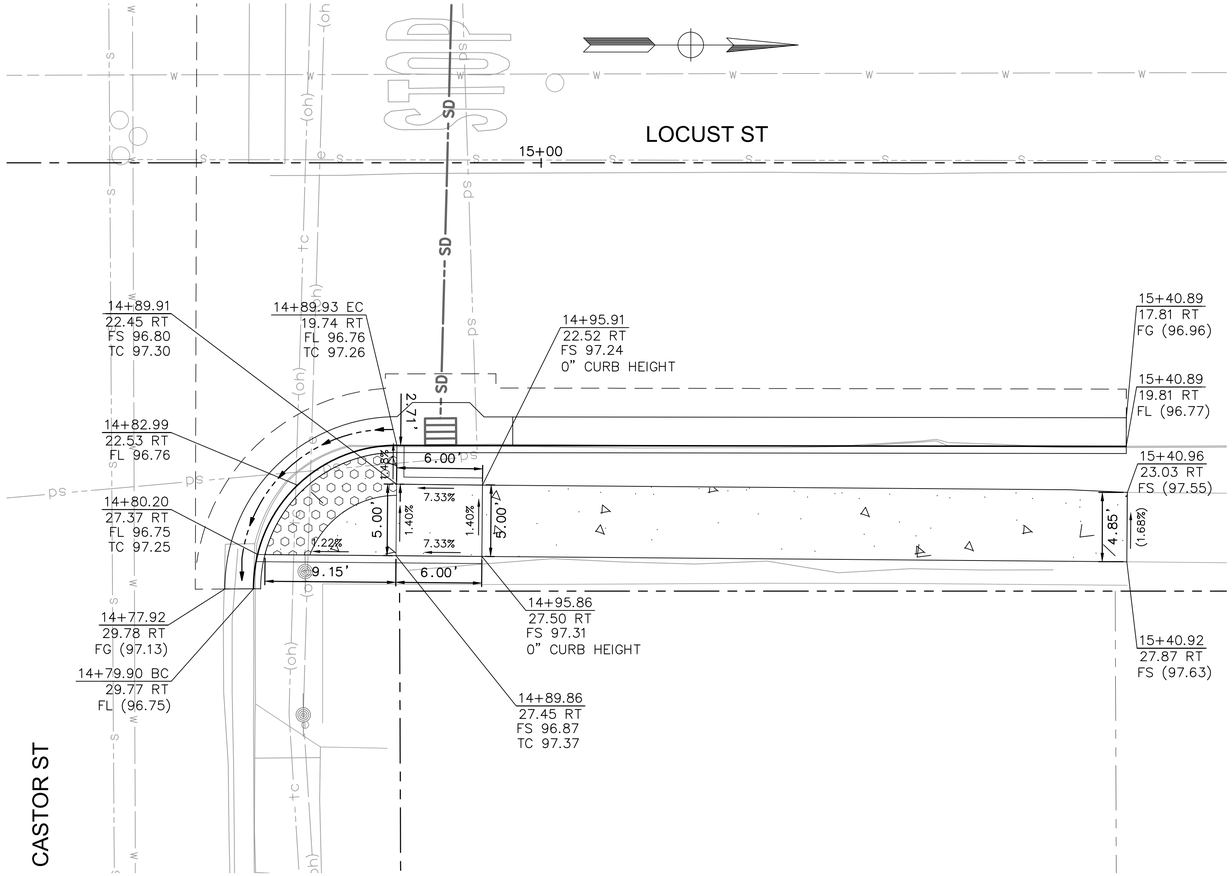
CONSTRUCTION DETAILS
CURB RAMP DETAIL

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

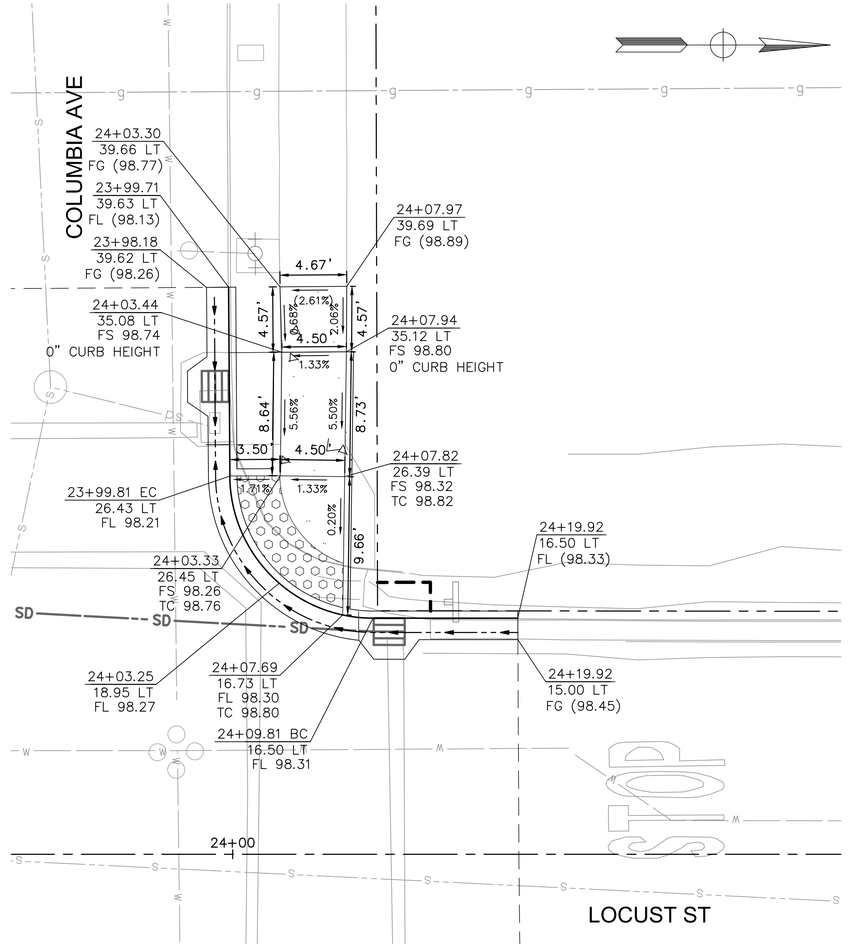
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. DRAGO
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
CD-11
SHEET:
134 OF 169



13 L-13 LOCUST ST AND CASTOR ST CURB RAMP DETAIL - NE CORNER
CALTRANS STD A88B CASE CM (MOD)
1" = 5'



14 L-14 LOCUST ST AND COLUMBIA AVE CURB RAMP DETAIL - NW CORNER
CALTRANS STD A88B CASE CM (MOD)
1" = 5'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

CONSTRUCTION DETAILS
CURB RAMP DETAIL

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

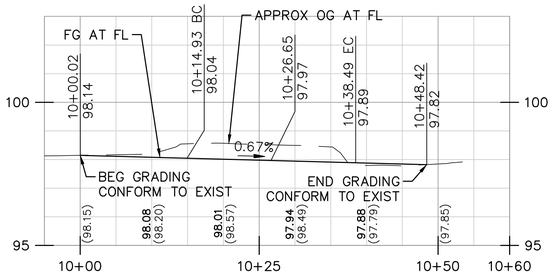
DRAWN BY:	A. FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-12
SHEET: 135 OF 169

22-001-P1-10-CD-12.dwg
10/27/2022 6:58:30 PM

NOTES:

1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB RAMP LAYOUT INFORMATION SEE SHEET L-03.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L-03.

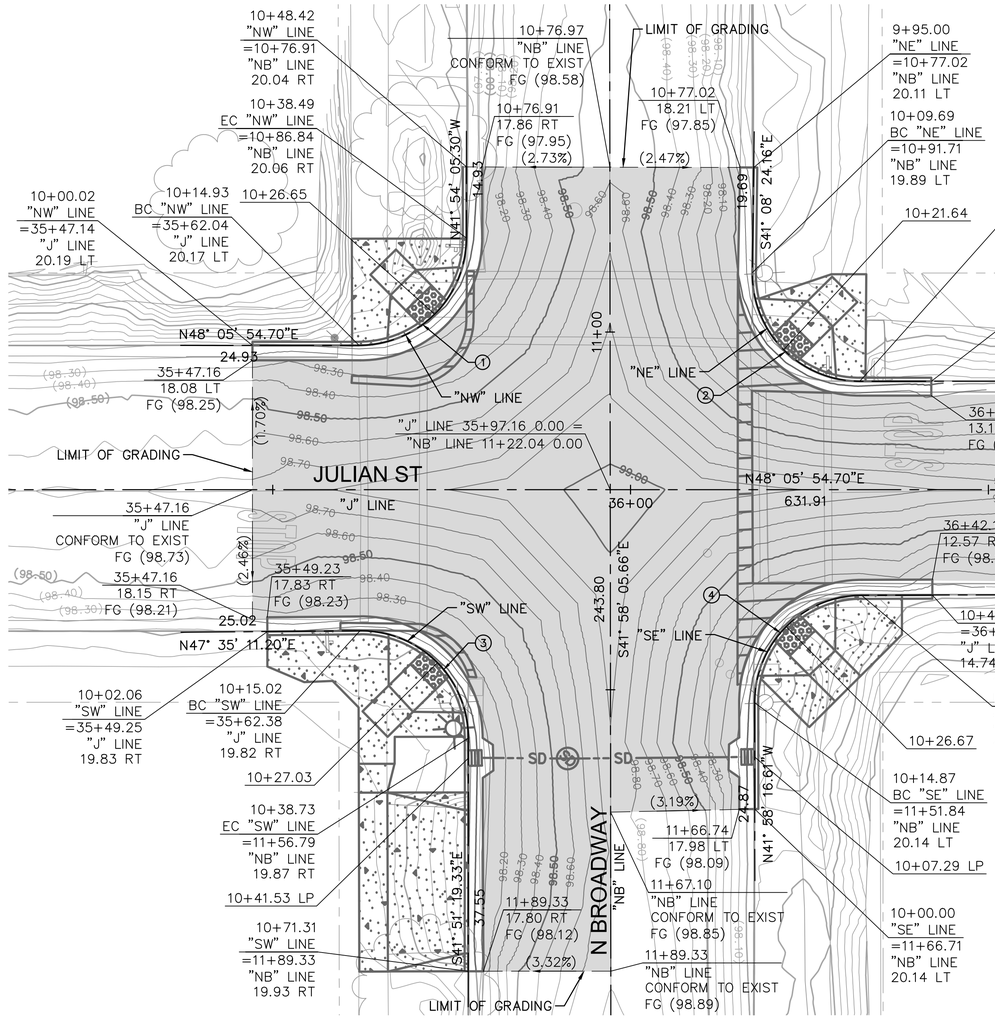


NW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

SW CURB RETURN PROFILE

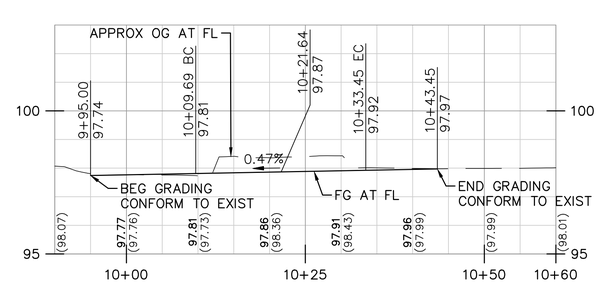
Horiz 1"=10'
Vert 4:1



1 / L-03 JULIAN ST AND N BROADWAY INTERSECTION DETAIL

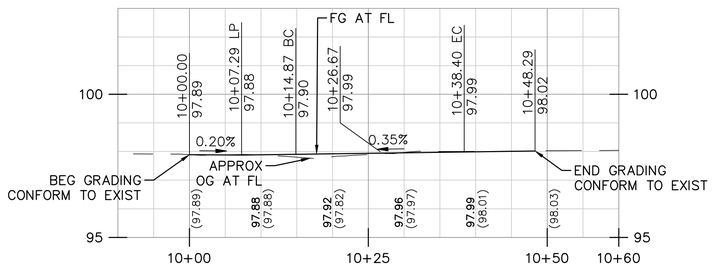
1" = 10'

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	15.00'	90°00'00.00"	15.00'	23.56'
2	15.00'	90°45'53.59"	15.20'	23.76'
3	15.00'	90°33'29.47"	15.15'	23.71'
4	15.00'	89°53'37.43"	14.97'	23.53'



NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



SE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

Sulaiman Arain

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

CONSTRUCTION DETAILS INTERSECTION GRADING

CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. DRAGO
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-15

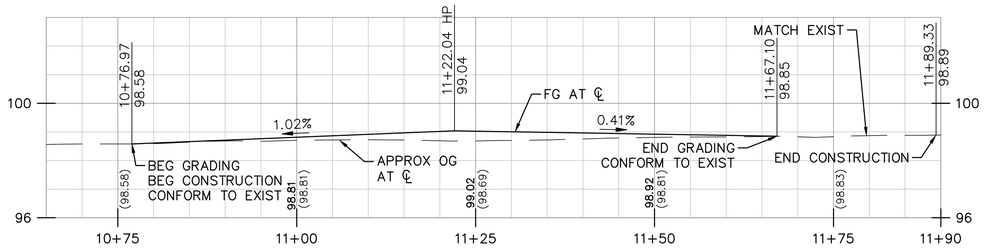
SHEET: 136 OF 169

22-001-P1-10-CD-15.dwg

10/28/2022 3:34:30 PM

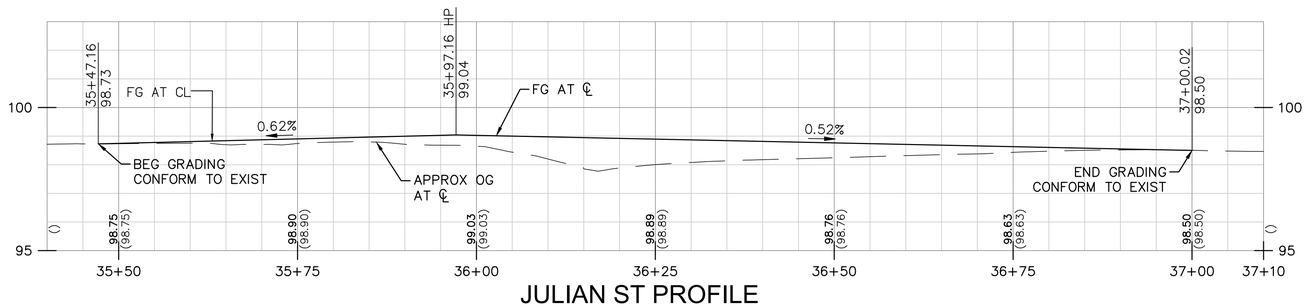
NOTES:

1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. SEE SHEET CD-15 FOR JULIAN ST AND N BROADWAY ST GRADING DETAIL.



N BROADWAY RD PROFILE

Horiz 1"=10'
Vert 4:1



JULIAN ST PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

CONSTRUCTION DETAILS
INTERSECTION GRADING

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

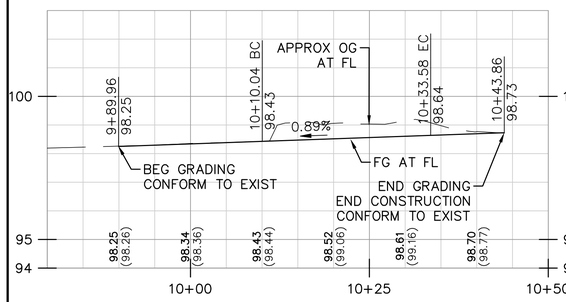
DRAWN BY:	J. DRAGO
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
CD-16
SHEET:
137 OF 169

22-001-P1-10-CD-16.dwg
10/28/2022 4:12:38 PM

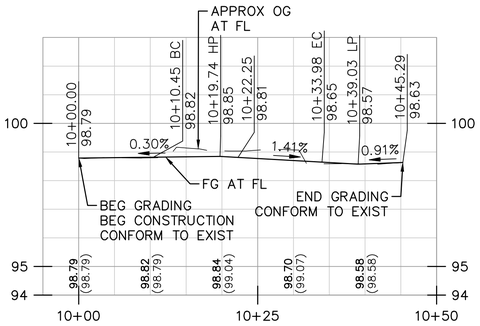
NOTES:

1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE SHEET L–08.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–08.



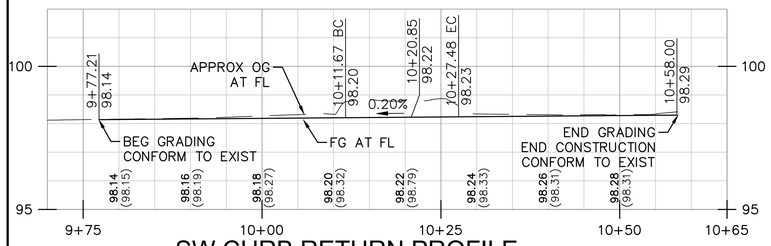
NW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



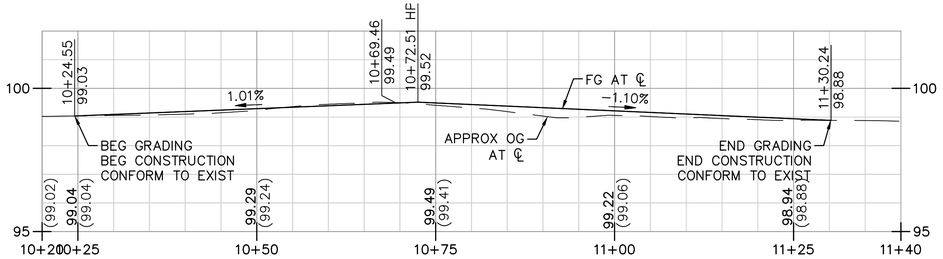
NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



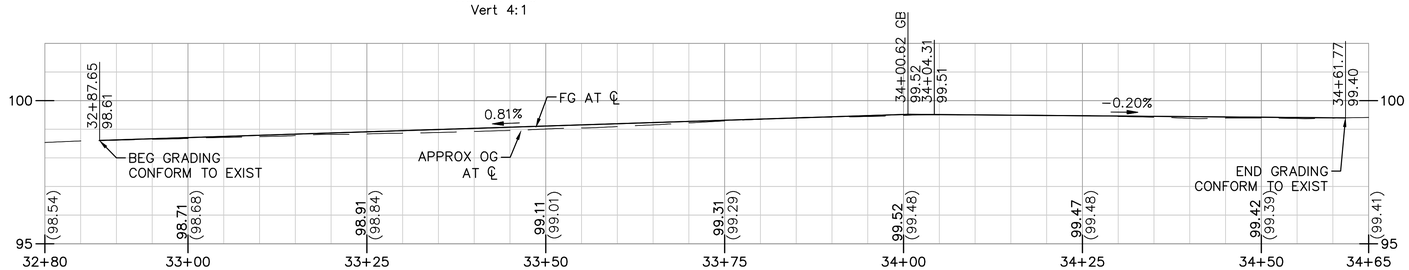
SW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



N BEECH ST CL PROFILE

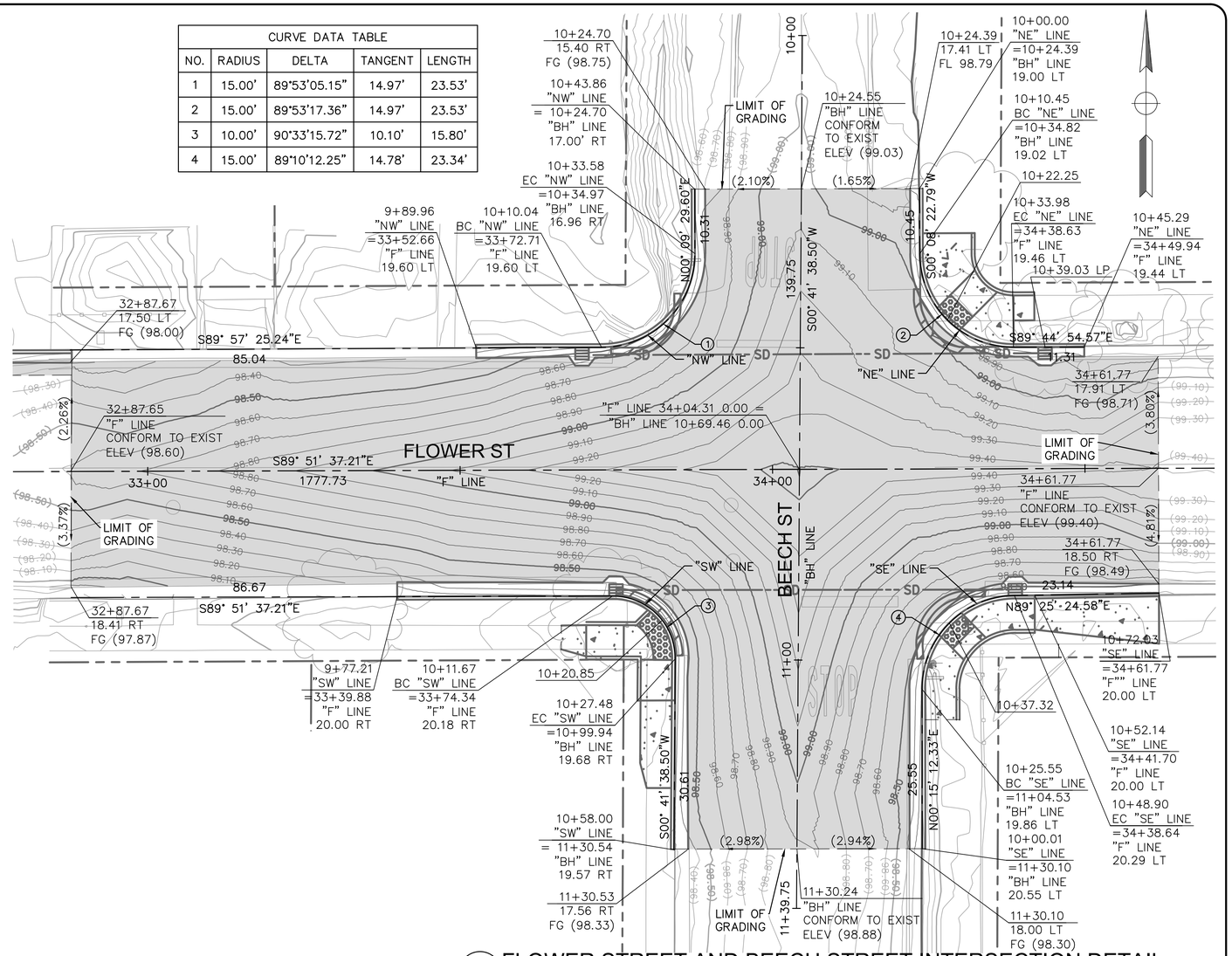
Horiz 1"=10'
Vert 4:1



FLOWER ST CL PROFILE

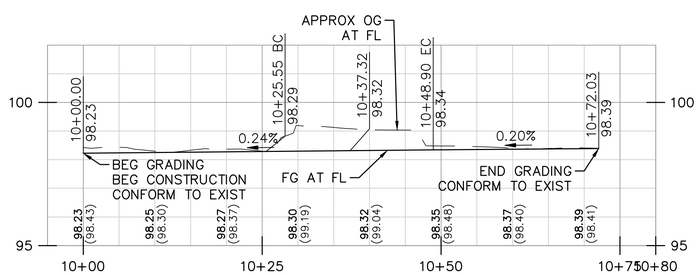
Horiz 1"=10'
Vert 4:1

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	15.00'	89°53'05.15"	14.97'	23.53'
2	15.00'	89°53'17.36"	14.97'	23.53'
3	10.00'	90°33'15.72"	10.10'	15.80'
4	15.00'	89°10'12.25"	14.78'	23.34'



3 / L–08 FLOWER STREET AND BEECH STREET INTERSECTION DETAIL

1" = 10'



SE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

22–001–P1–10–CD–17.dwg

10/28/2022 11:38:31 PM

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS
INTERSECTION GRADING DETAIL

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/2" 1/4" 3/4" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. DRAGO
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

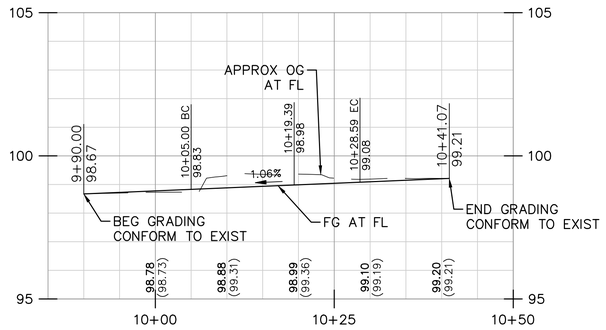
DRAWING No. CD-17

SHEET: 138 OF 169

NOTES:

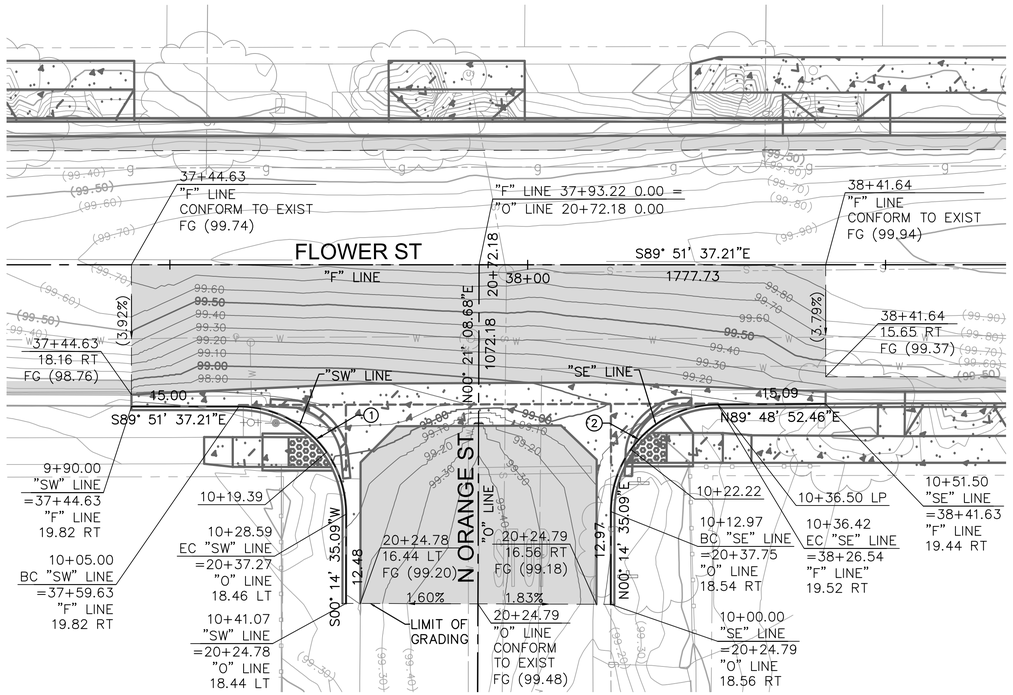
1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE SHEET L–08.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–08.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	15.00'	90°06'12.30"	15.03'	23.59'
2	15.00'	89°34'17.37"	14.89'	23.45'



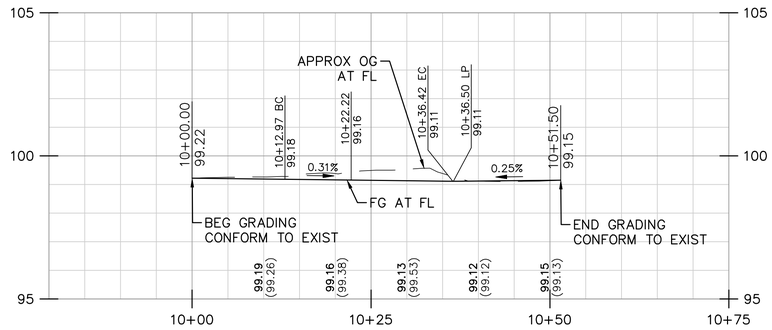
SW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



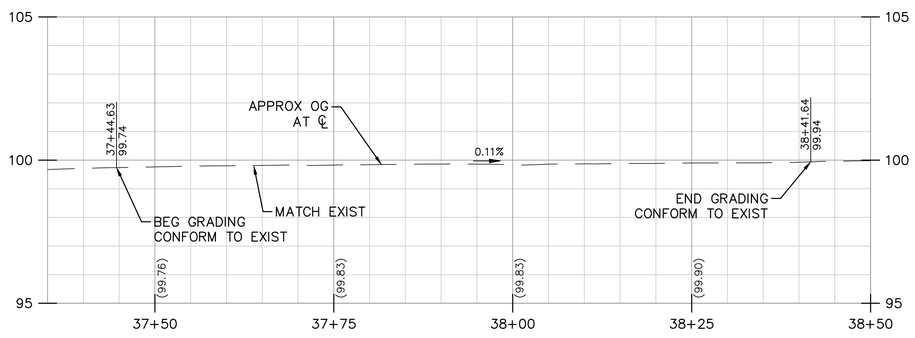
4 / L–09 FLOWER STREET AND N. ORANGE STREET INTERSECTION DETAIL

1" = 10'



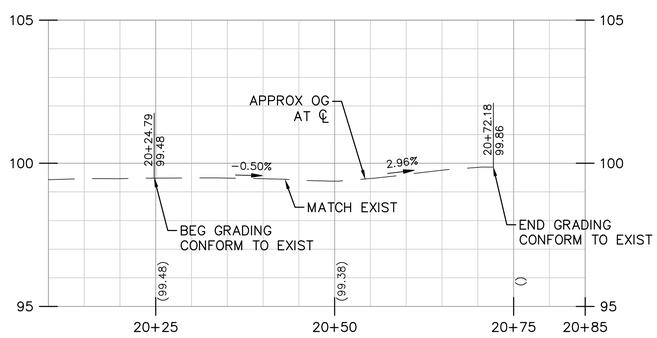
SE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



FLOWER ST PROFILE

Horiz 1"=10'
Vert 4:1



N ORANGE ST PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS
INTERSECTION GRADING DETAIL

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. DRAGO
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

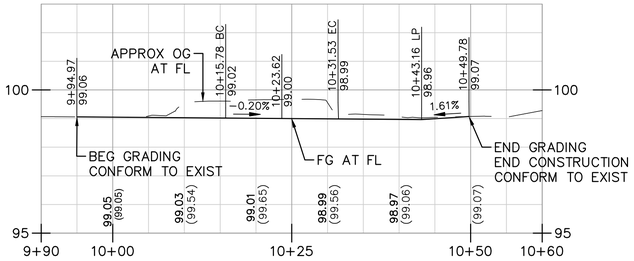
DRAWING No. CD-18
SHEET: 139 OF 169

22-001-P1-10-CD-18.dwg
10/28/2022 11:35:49 AM

NOTES:

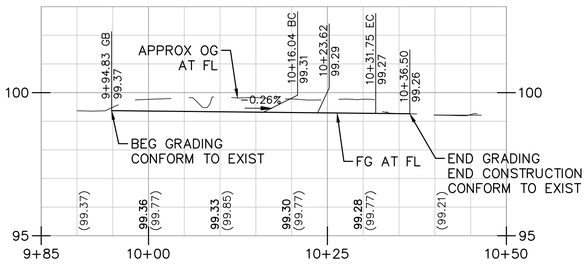
1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE SHEET L–09, UNLESS OTHERWISE NOTED.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	10.00'	90°14'50.33"	10.04'	15.75'
2	10.00'	90°03'54.90"	10.01'	15.72'
3	10.00'	90°00'00.00"	10.00'	15.71'
4	10.00'	90°04'53.41"	10.01'	15.72'



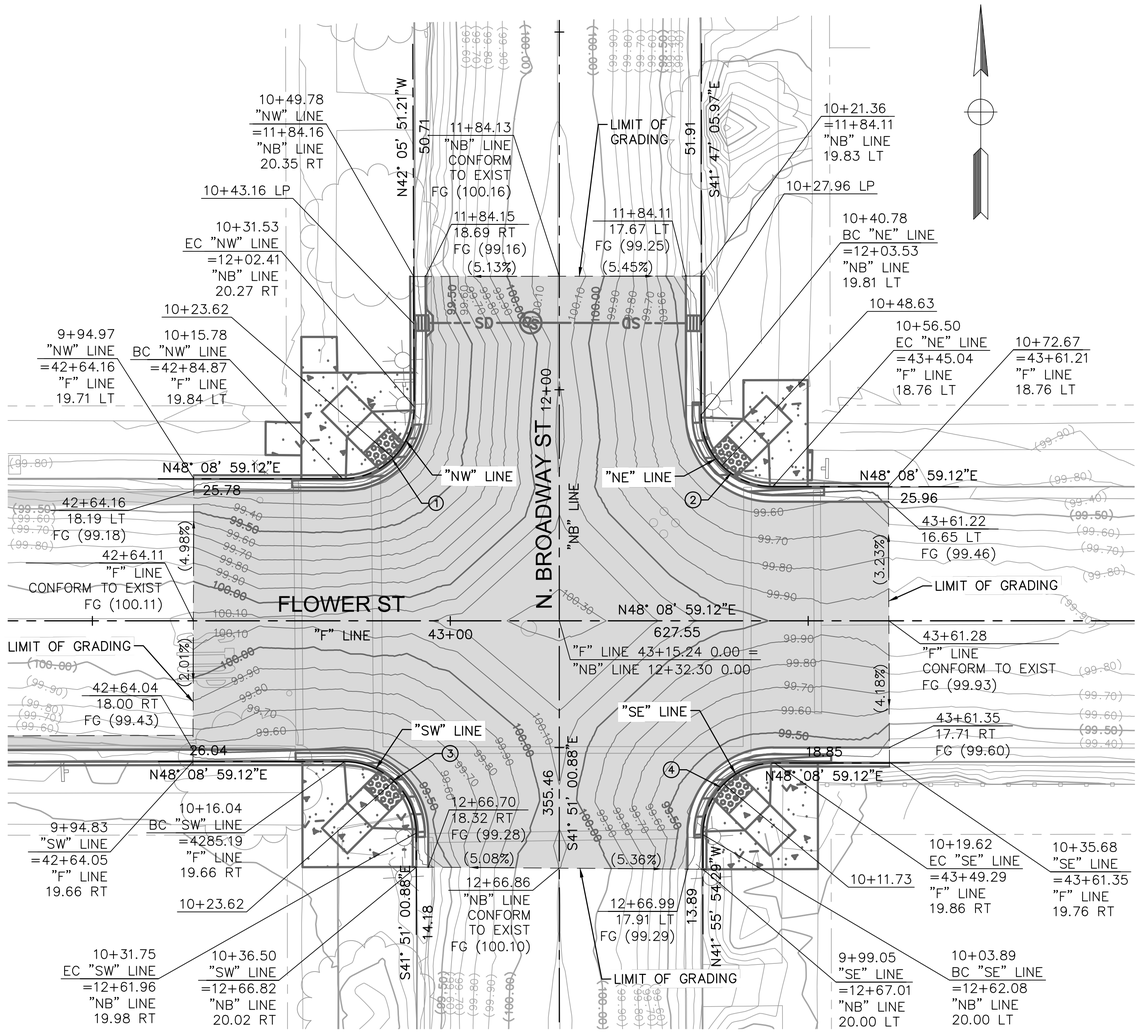
NW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



SW CURB RETURN PROFILE

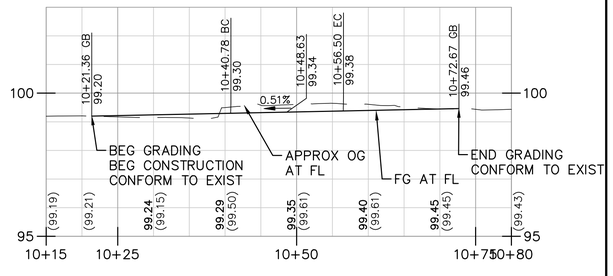
Horiz 1"=10'
Vert 4:1



5 L–09

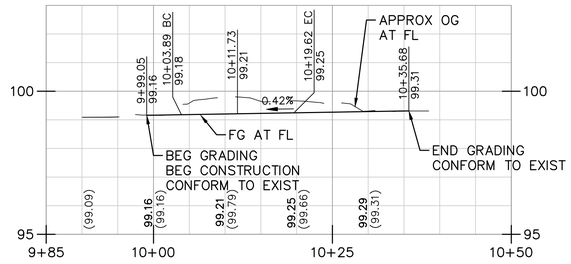
FLOWER STREET AND N. BROADWAY STREET INTERSECTION DETAIL

1" = 10'



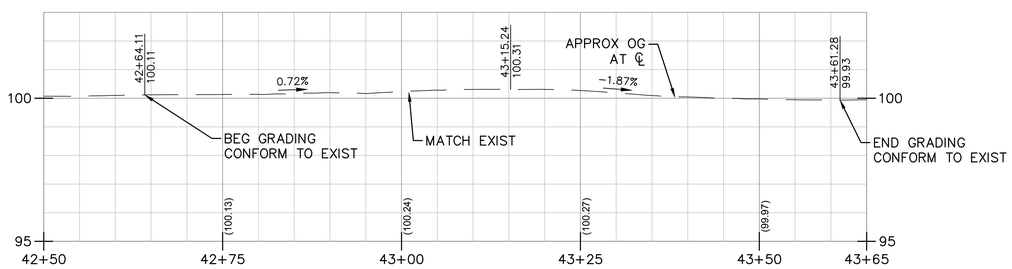
NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



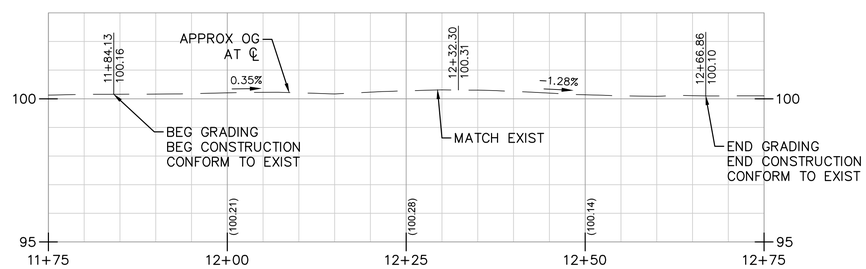
SE CURB RETURN PROFILE

Horiz 1"=10'
Vert 1"=5'



FLOWER CL PROFILE

Horiz 1"=10'
Vert 1"=5'



N BROADWAY CL PROFILE

Horiz 1"=10'
Vert 1"=5'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS
INTERSECTION GRADING DETAIL

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY: J. DRAGO	DRAWING No.
REV. BY:	CD-19
CH. BY: S. ARAIN	SHEET:
DATE: 10/28/2022	140 OF 169
SCALE: AS SHOWN	
MBI PROJECT No. 187020	

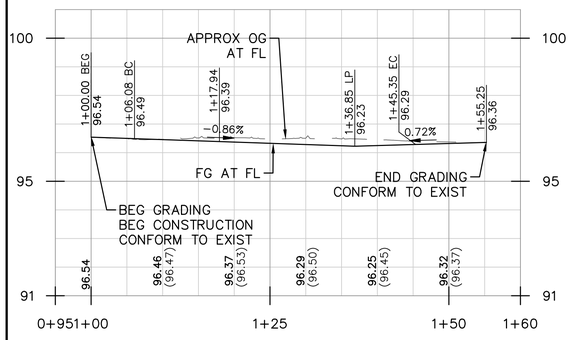
22-001-P1-10-CD-19.dwg

10/28/2022 11:37:38 AM

NOTES:

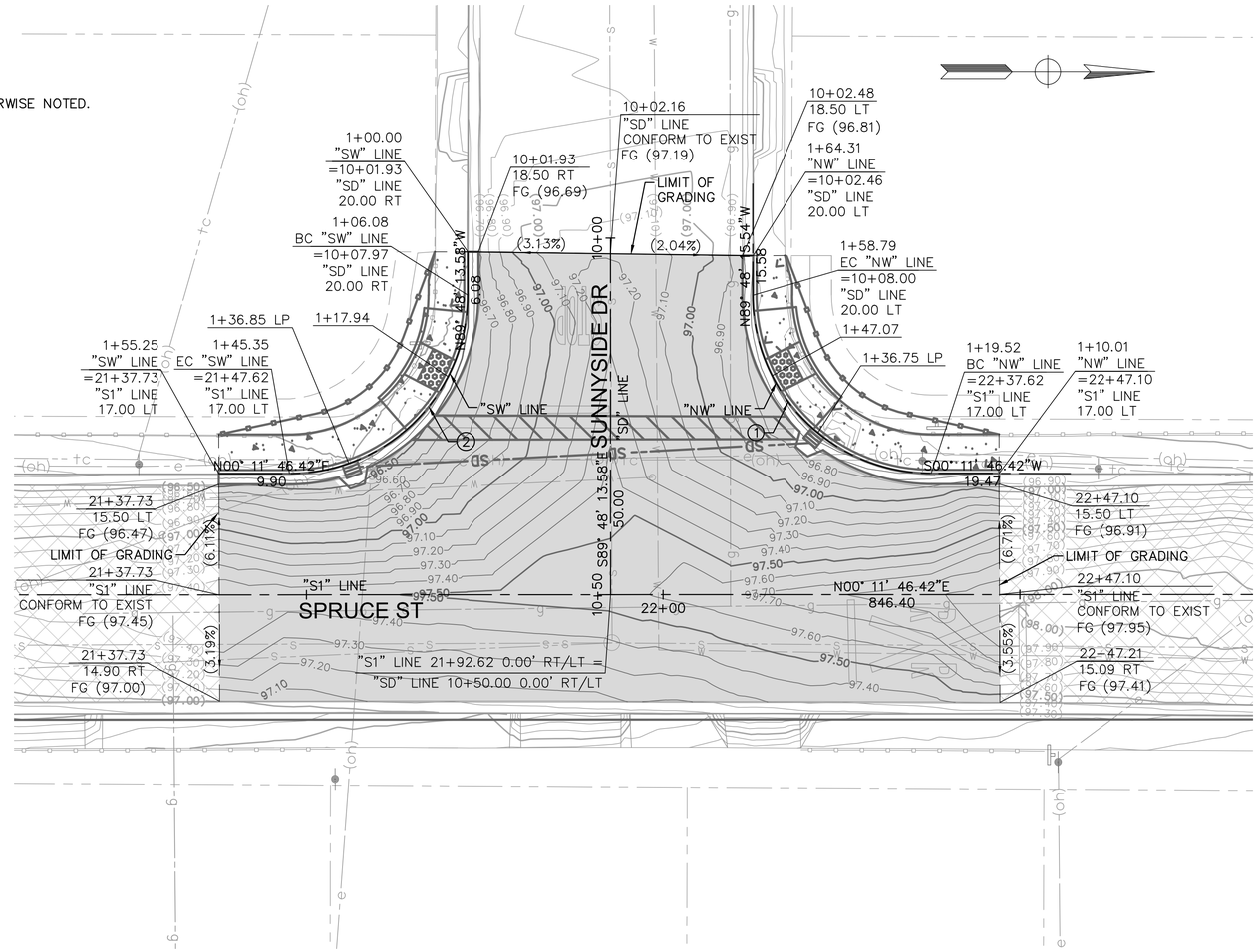
1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB RAMP LAYOUT INFORMATION SEE SHEET L–10.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–10.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	25.00	090°00'00.00"	25.00	39.27
2	25.00	090°00'00.00"	25.00	39.27



SW CURB RETURN PROFILE

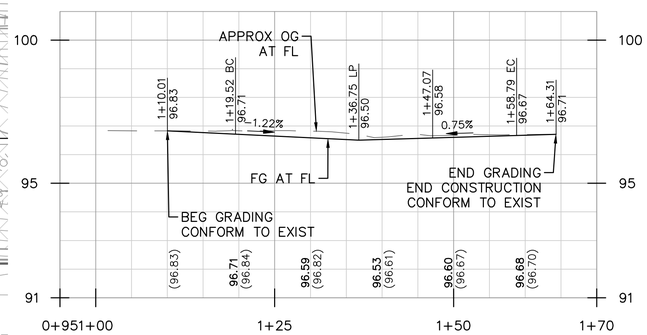
Horiz 1"=10'
Vert 4:1



6
L–10

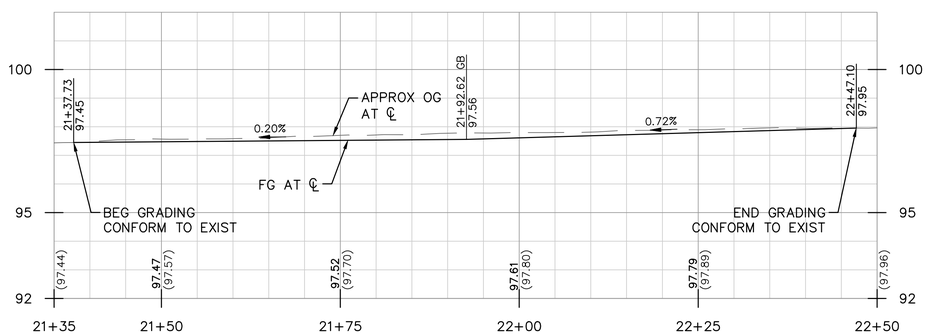
SPRUCE ST AND SUNNYSIDE DR INTERSECTION DETAIL

1" = 10'



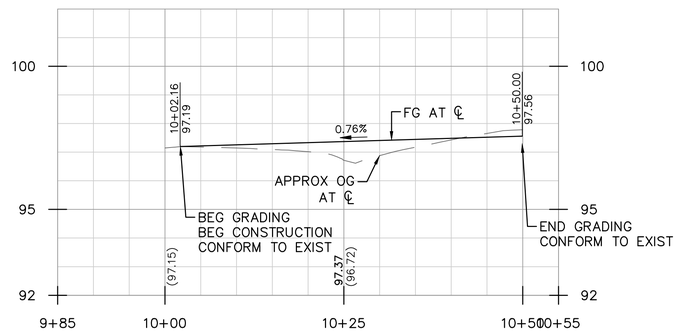
NW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



SPRUCE ST PROFILE

Horiz 1"=10'
Vert 4:1



SUNNYSIDE DR PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS INTERSECTION GRADING

CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

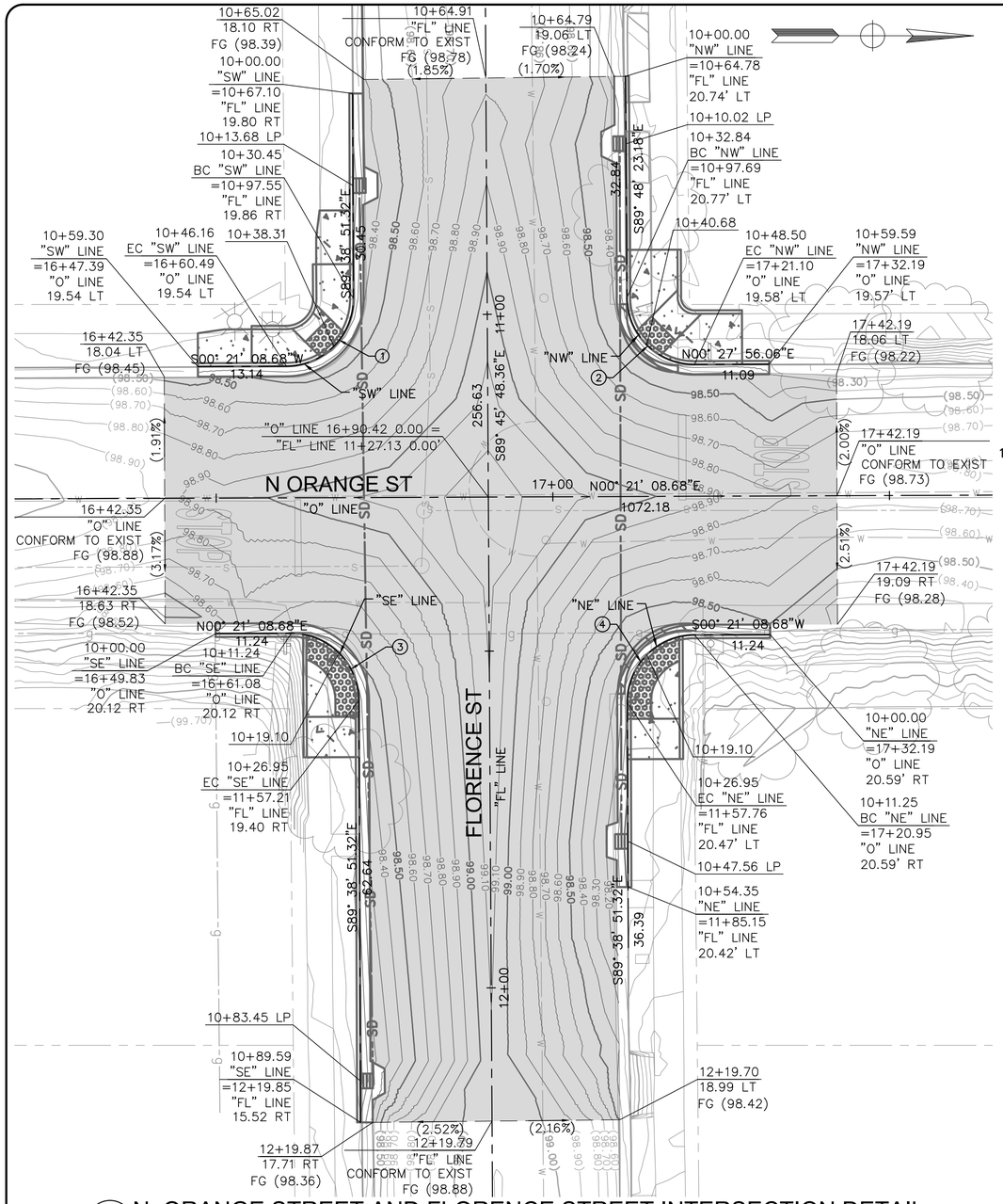
DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-20

SHEET: 141 OF 169

22-001-P1-10-CD-20.dwg

10/27/2022 8:39:39 PM



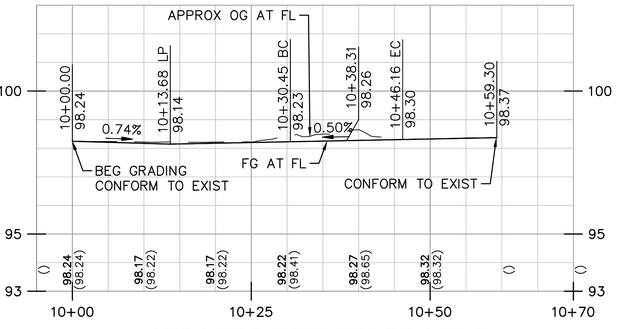
7 / L-12 N. ORANGE STREET AND FLORENCE STREET INTERSECTION DETAIL

1" = 10'

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	10.00'	090°00'00.00"	10.00'	15.71'
2	10.00'	089°43'40.76"	9.95'	15.66'
3	10.00'	090°00'00.00"	10.00'	15.71'
4	10.00'	090°00'00.00"	10.00'	15.71'

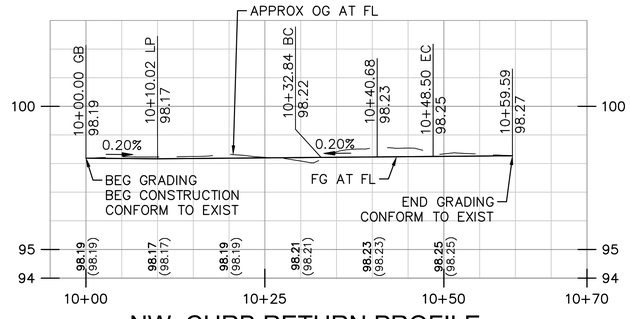
NOTES:

1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB RAMP LAYOUT INFORMATION SEE SHEET L-12.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L-12.



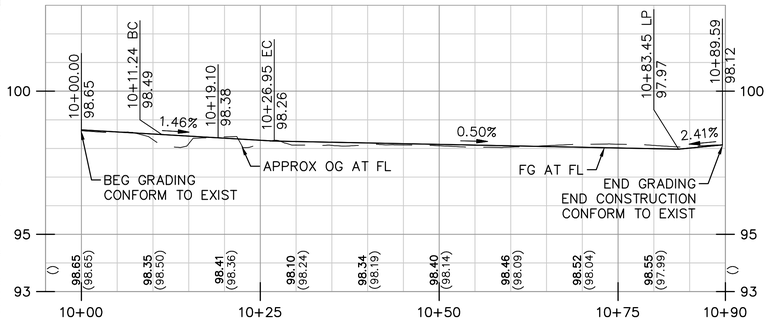
SW CURB RETURN PROFILE

Horiz 1"=10' Vert 4:1



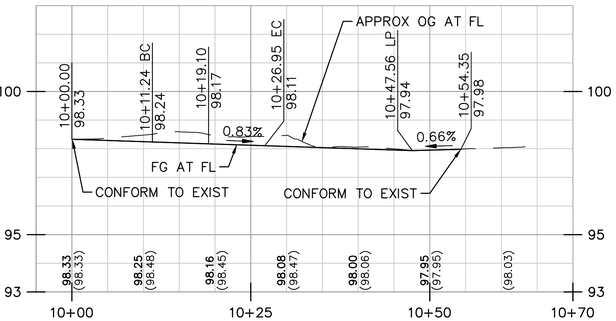
NW CURB RETURN PROFILE

Horiz 1"=10' Vert 4:1



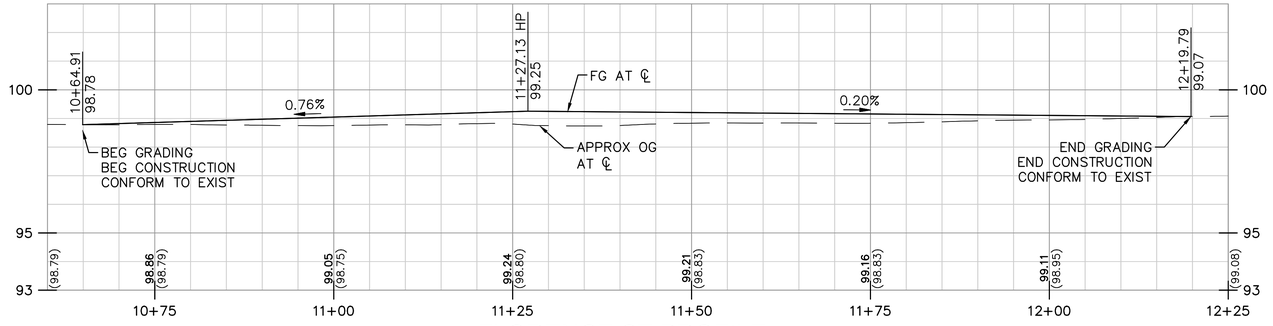
SE CURB RETURN PROFILE

Horiz 1"=10' Vert 4:1



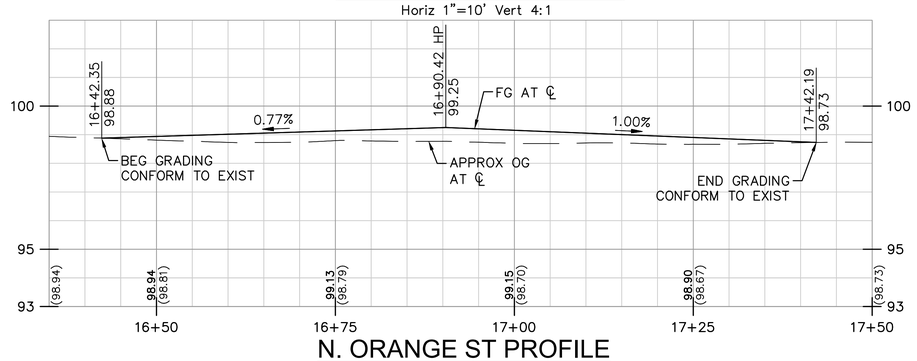
NE CURB RETURN PROFILE

Horiz 1"=10' Vert 4:1



FLORENCE ST PROFILE

Horiz 1"=10' Vert 4:1



N. ORANGE ST PROFILE

Horiz 1"=10' Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE: ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

CONSTRUCTION DETAILS
INTERSECTION GRADING DETAIL
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. DRAGO
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-21

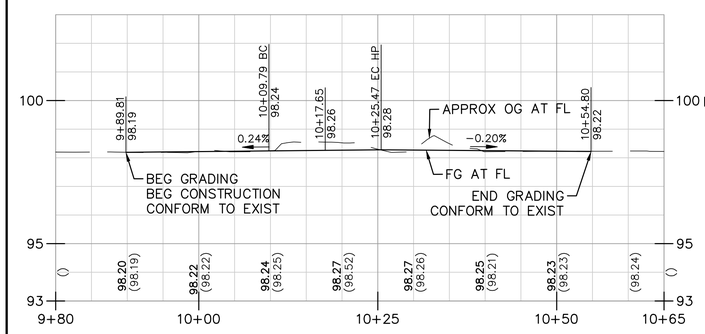
SHEET: 142 OF 169

22-001-P1-10-CD-21.dwg

10/28/2022 1:36:30 PM

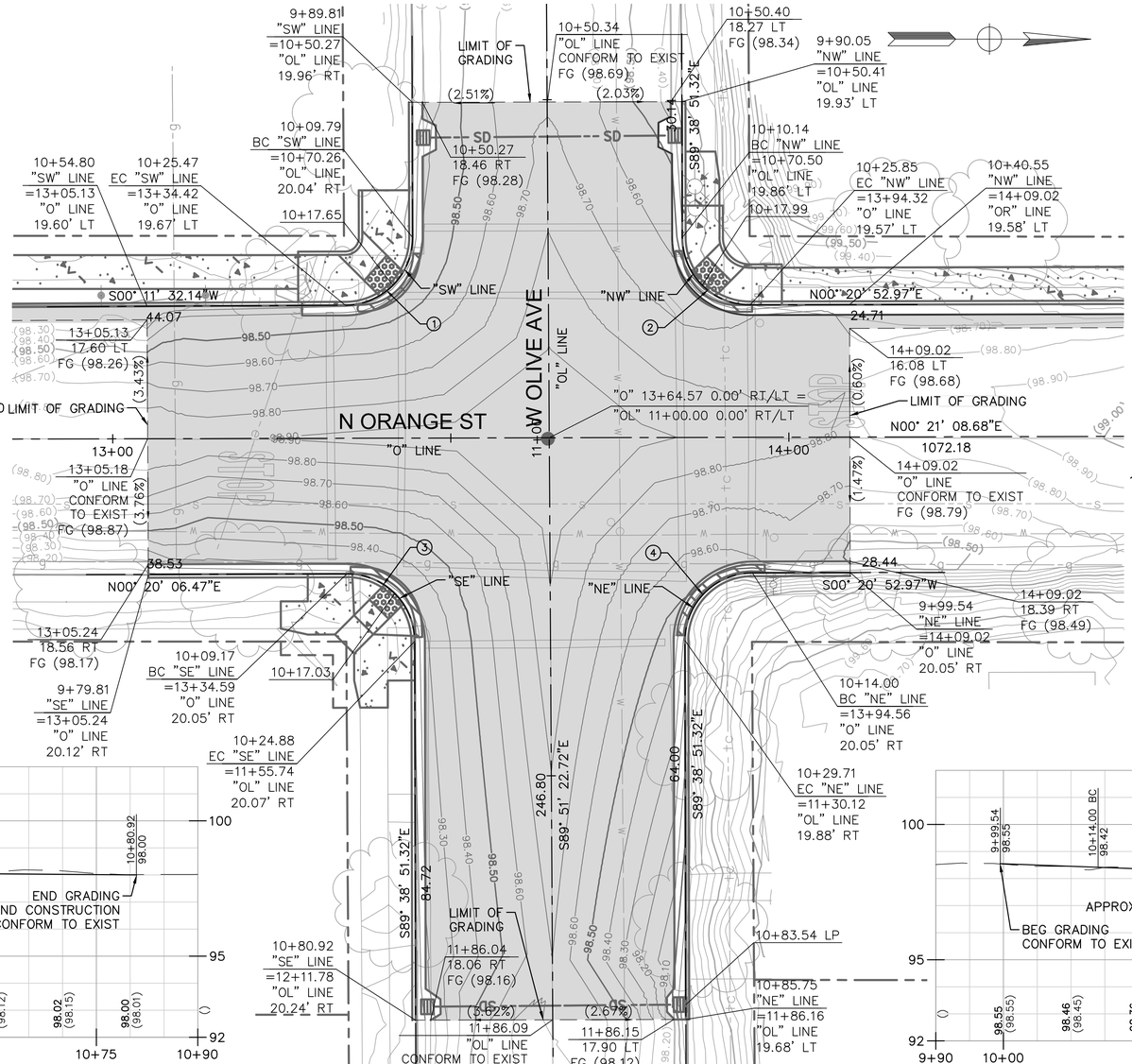
NOTES:

1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB RAMP LAYOUT INFORMATION SEE SHEET L–12.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–12.



SW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

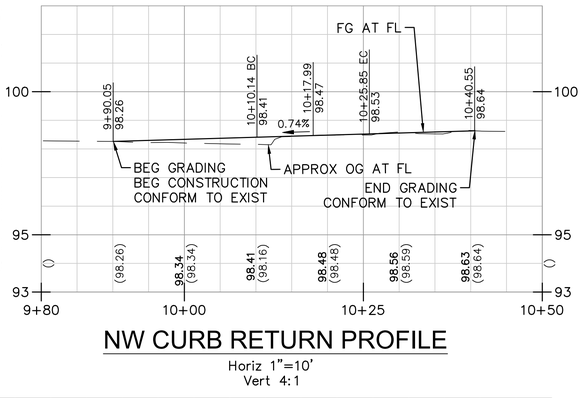


8 L–12

N ORANGE ST AND W OLIVE AVE INTERSECTION DETAIL

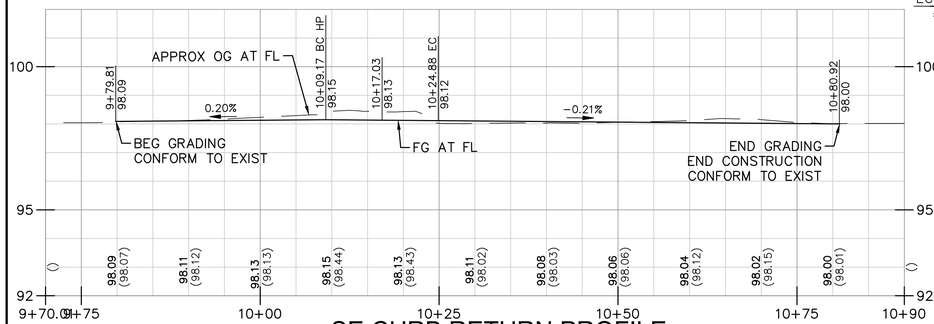
1" = 10'

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	10.00'	89°50'23.47"	9.97'	15.68'
2	10.00'	90°00'15.71"	10.00'	15.71'
3	10.00'	90°01'02.21"	10.00'	15.71'
4	10.00'	89°59'44.29"	10.00'	15.71'



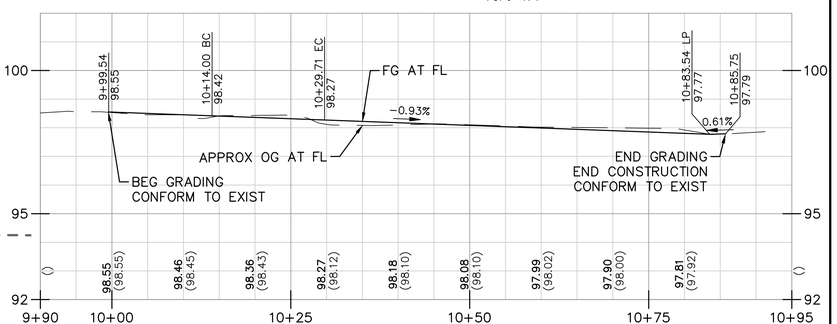
NW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



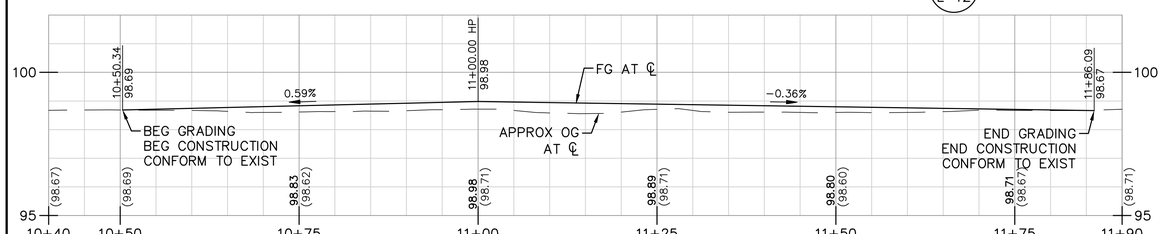
SE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



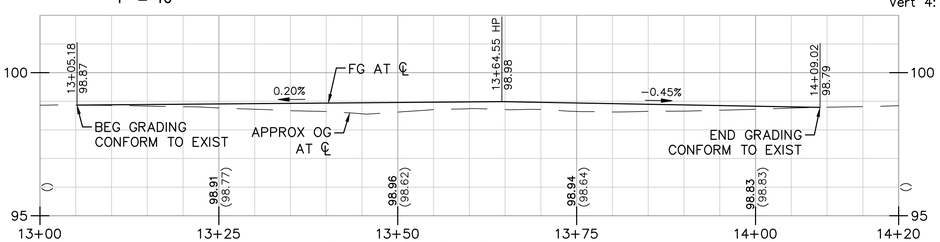
NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



OLIVE AVE CL PROFILE

Horiz 1"=10'
Vert 4:1



N ORANGE ST CL PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS INTERSECTION GRADING

CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/2" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	A. FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

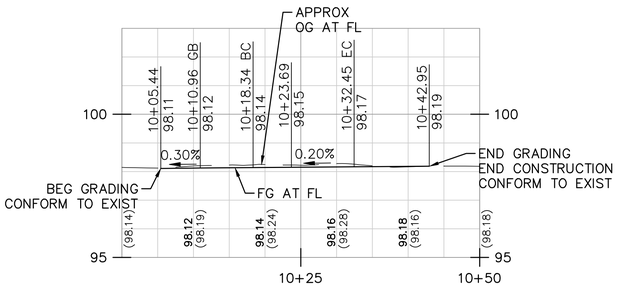
DRAWING No. CD-22
SHEET: 143 OF 169

22-001-P1-10-CD-22.dwg
10/28/2022 11:40:03 AM

NOTES:

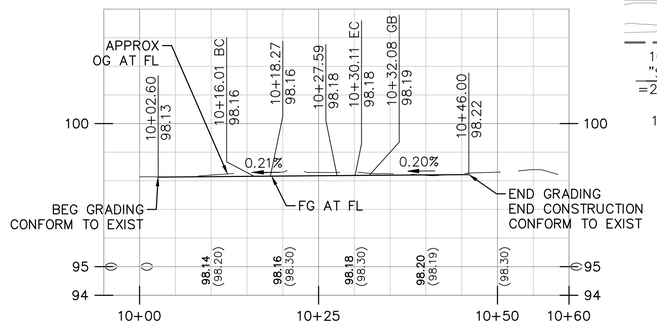
1. ELEVATIONS SHOWN INDICATES PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB RAMP LAYOUT INFORMATION SEE SHEET L–14.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–14.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	10.00'	89°37'53.07"	9.94'	15.64'
2	18.00'	89°37'10.53"	17.88'	28.15'
3	9.00'	89°51'05.04"	8.98'	14.11'
4	9.00'	89°46'20.88"	8.96'	14.10'



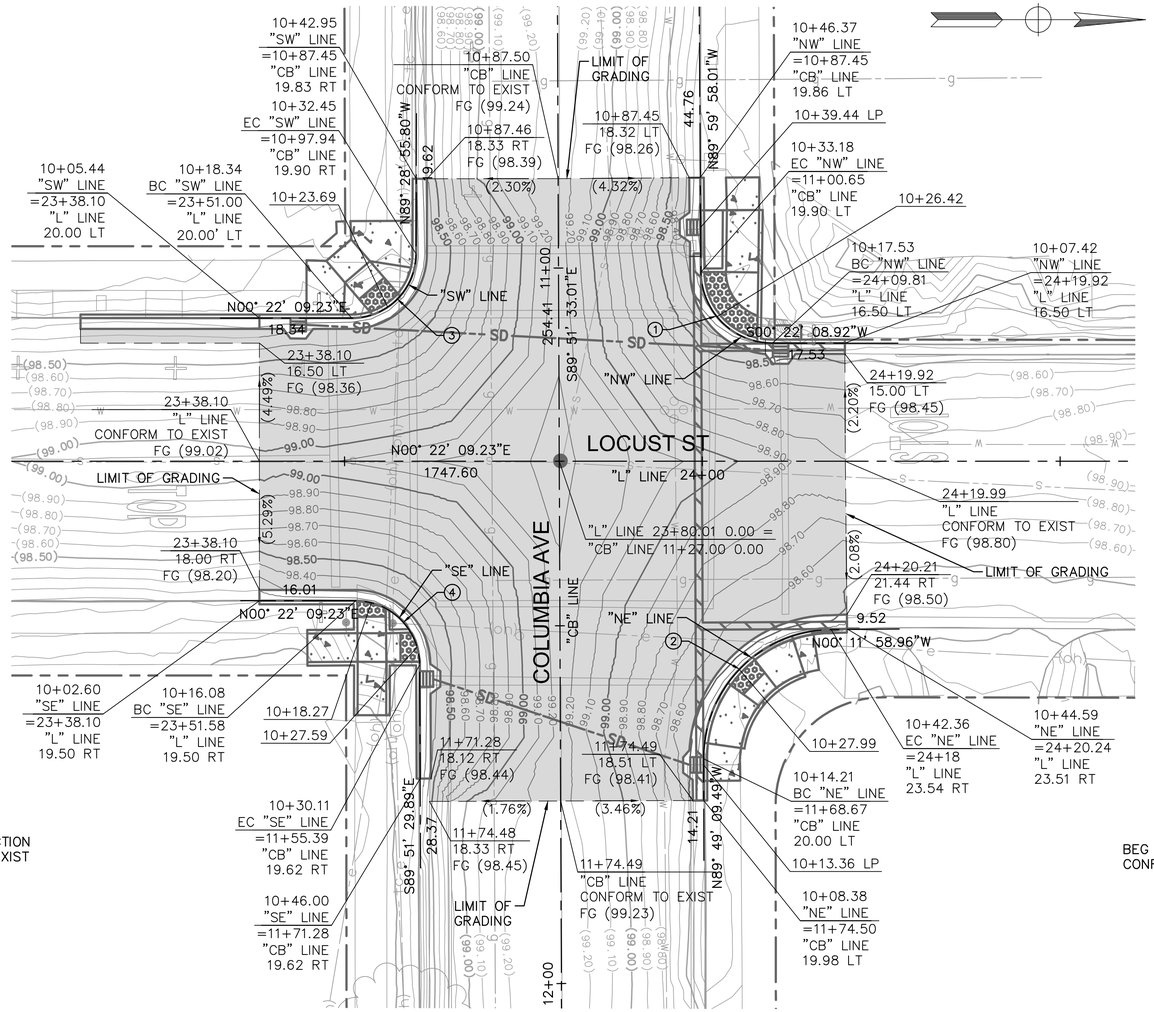
SW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



SE CURB RETURN PROFILE

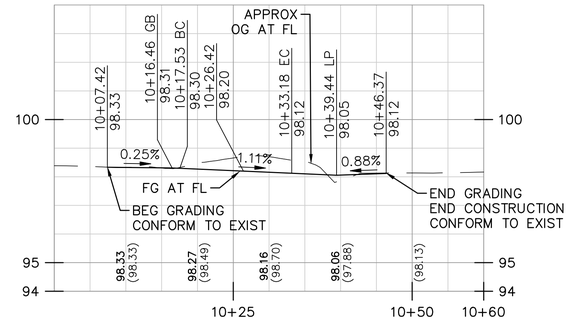
Horiz 1"=10'
Vert 4:1



9 / L–14

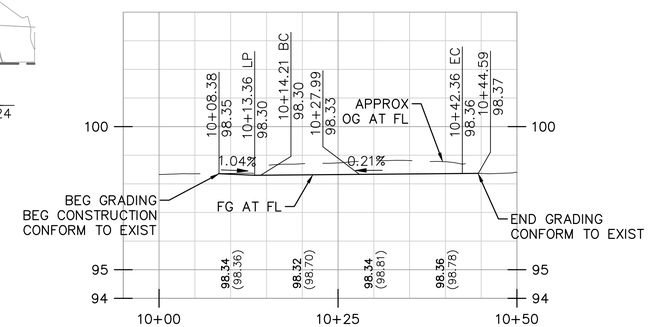
LOCUST ST AND COLUMBIA AVE INTERSECTION DETAIL

1" = 10'



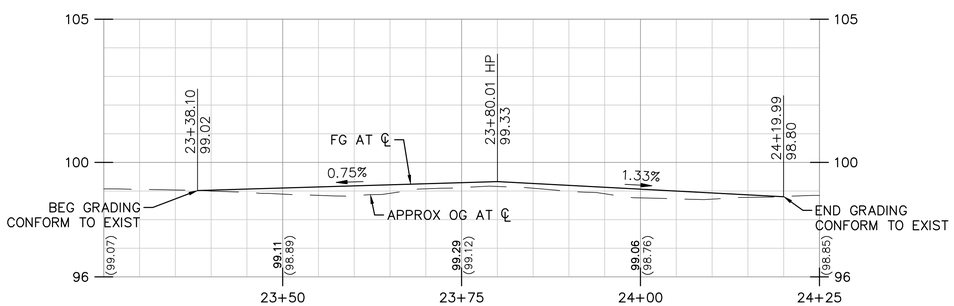
NW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



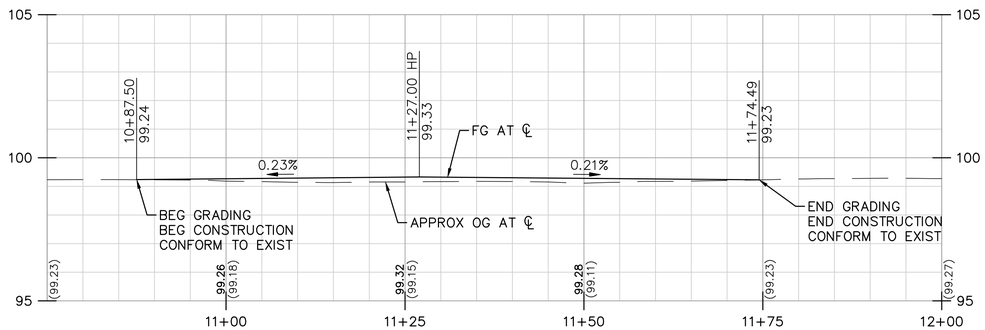
NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



LOCUST ST CL PROFILE

Horiz 1"=10'
Vert 4:1



COLUMBIA AVE CL PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS INTERSECTION GRADING

CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/2" 3/4" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

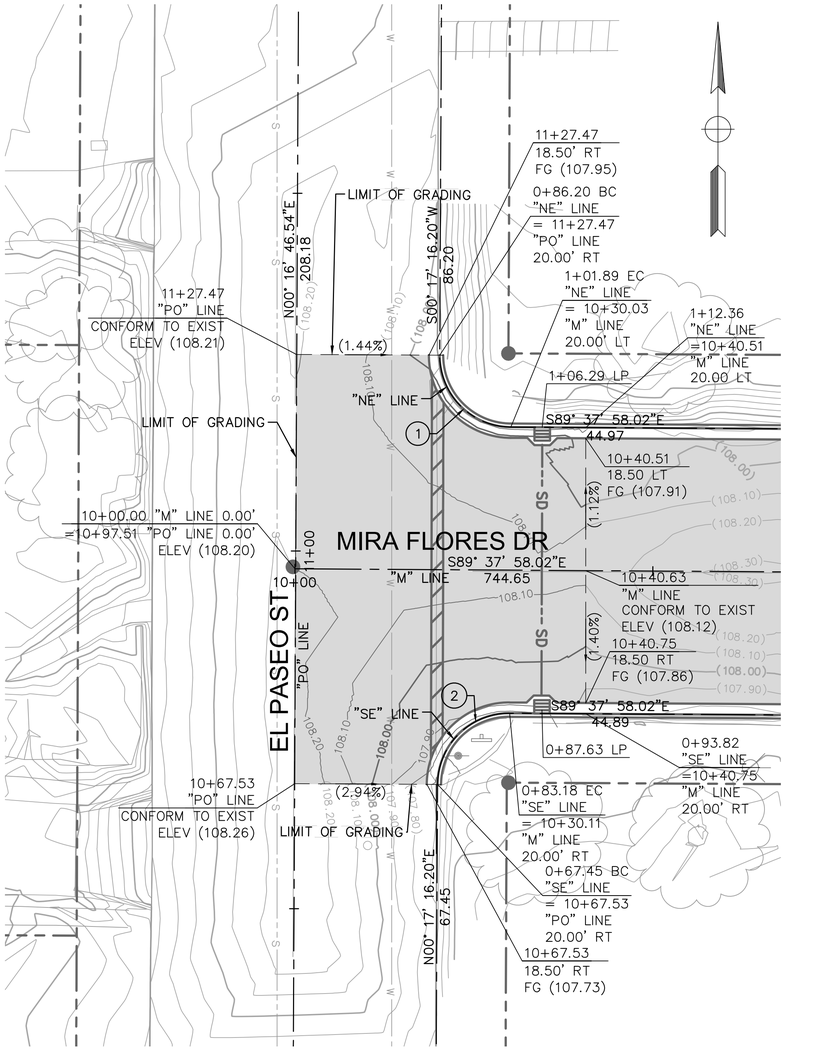
DRAWN BY:	A. FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-23

SHEET: 144 OF 169

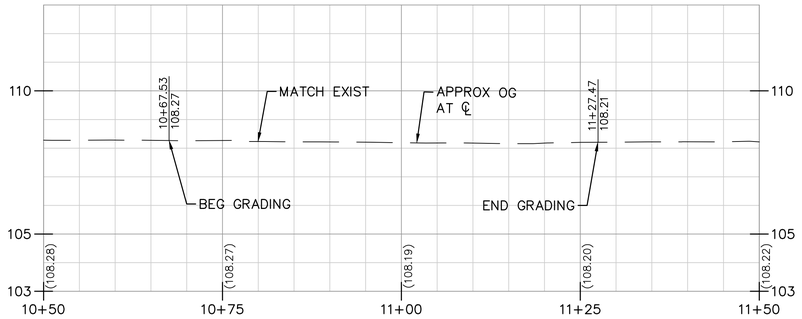
22-001-P1-10-CD-23.dwg

10/28/2022 11:42:50 AM



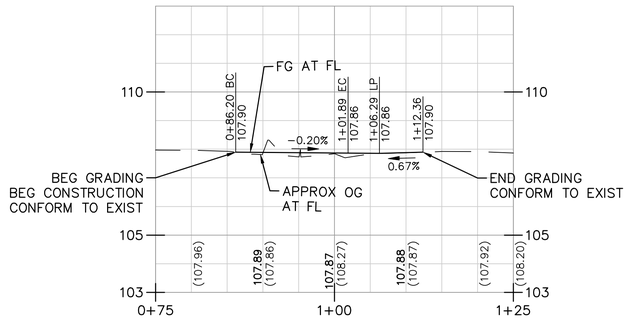
10 / L–18 MIRA FLORES DR AND EL PASEO ST INTERSECTION DETAIL

1" = 10'



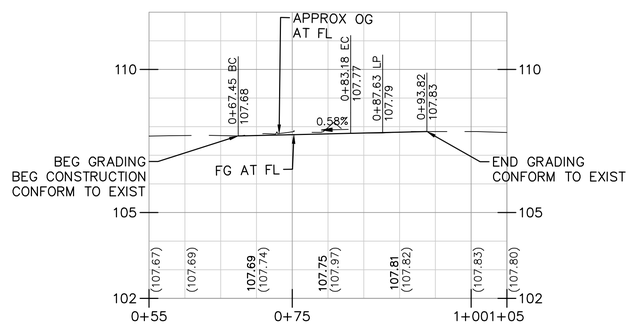
EL PASEO ST CL PROFILE

Horiz 1"=10'
Vert 4:1



NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



SE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

NOTES:

1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE SHEET L–18.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–18.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	10.00'	089°55'14.22"	9.99'	15.69'
2	10.00'	090°04'45.78"	10.01'	15.73'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS INTERSECTION GRADING

CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-24

SHEET: 145 OF 169

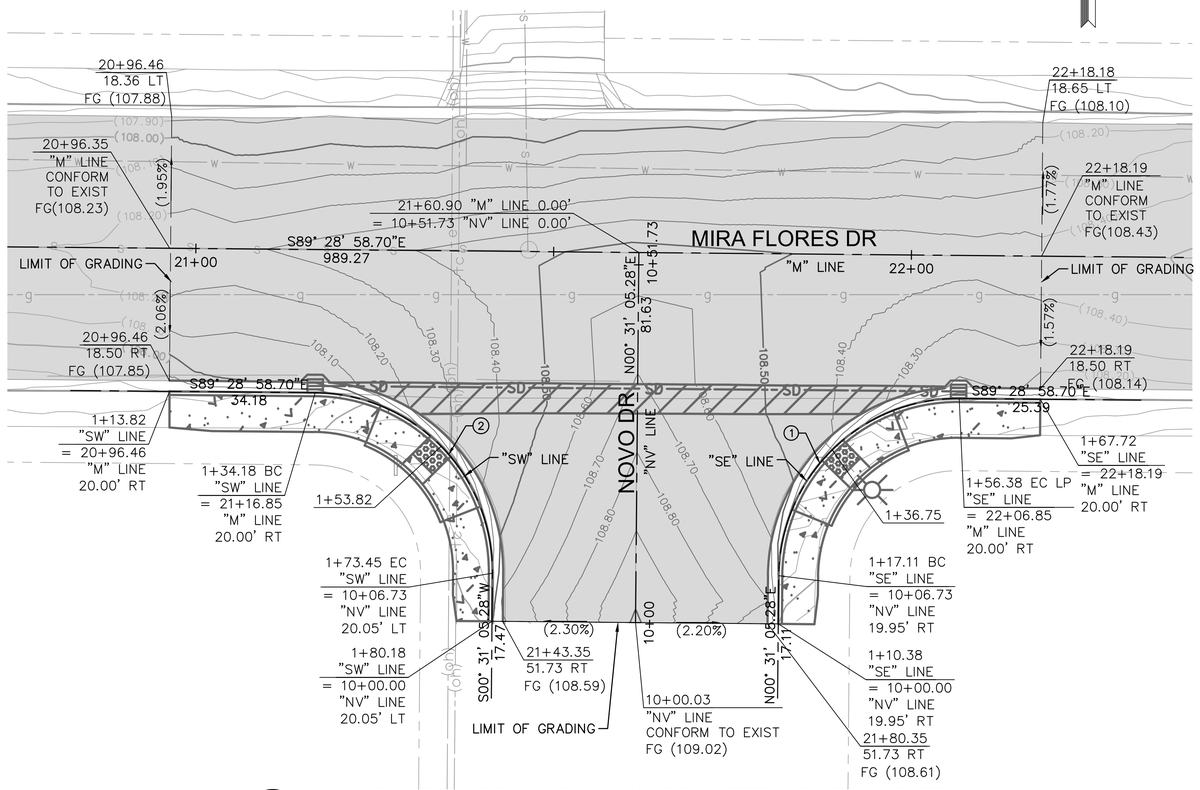
22-001-P1-10-CD-24.dwg

10/27/2022 8:42:36 PM

NOTES:

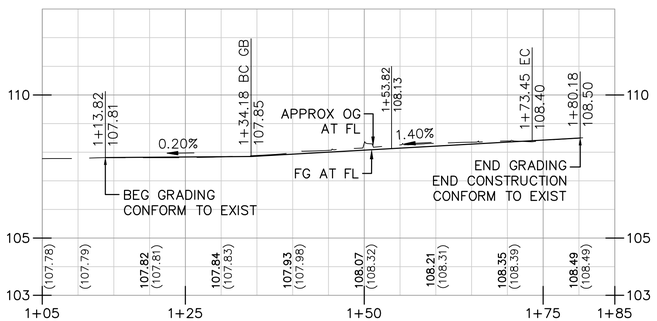
1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE SHEET L–20.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–20.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	25.00'	089°59'56.02"	25.00'	39.27'
2	25.00'	090°00'03.98"	25.00'	39.27'



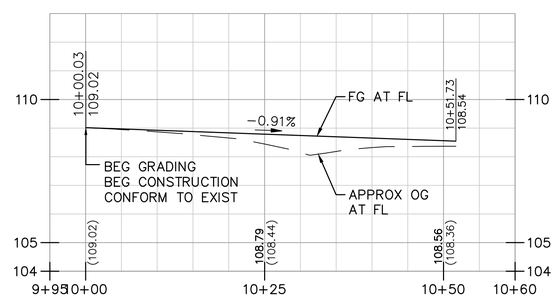
11 / L–20 MIRA FLORES DR AND NOVO DR INTERSECTION DETAIL

1" = 10'



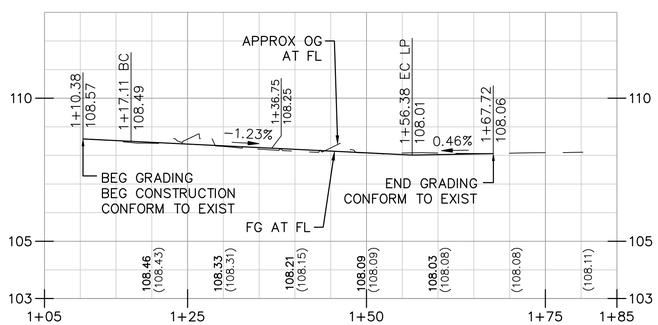
SW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



NOVO DR PROFILE

Horiz 1"=10'
Vert 4:1



SE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS INTERSECTION GRADING

CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-25

SHEET: 146 OF 169

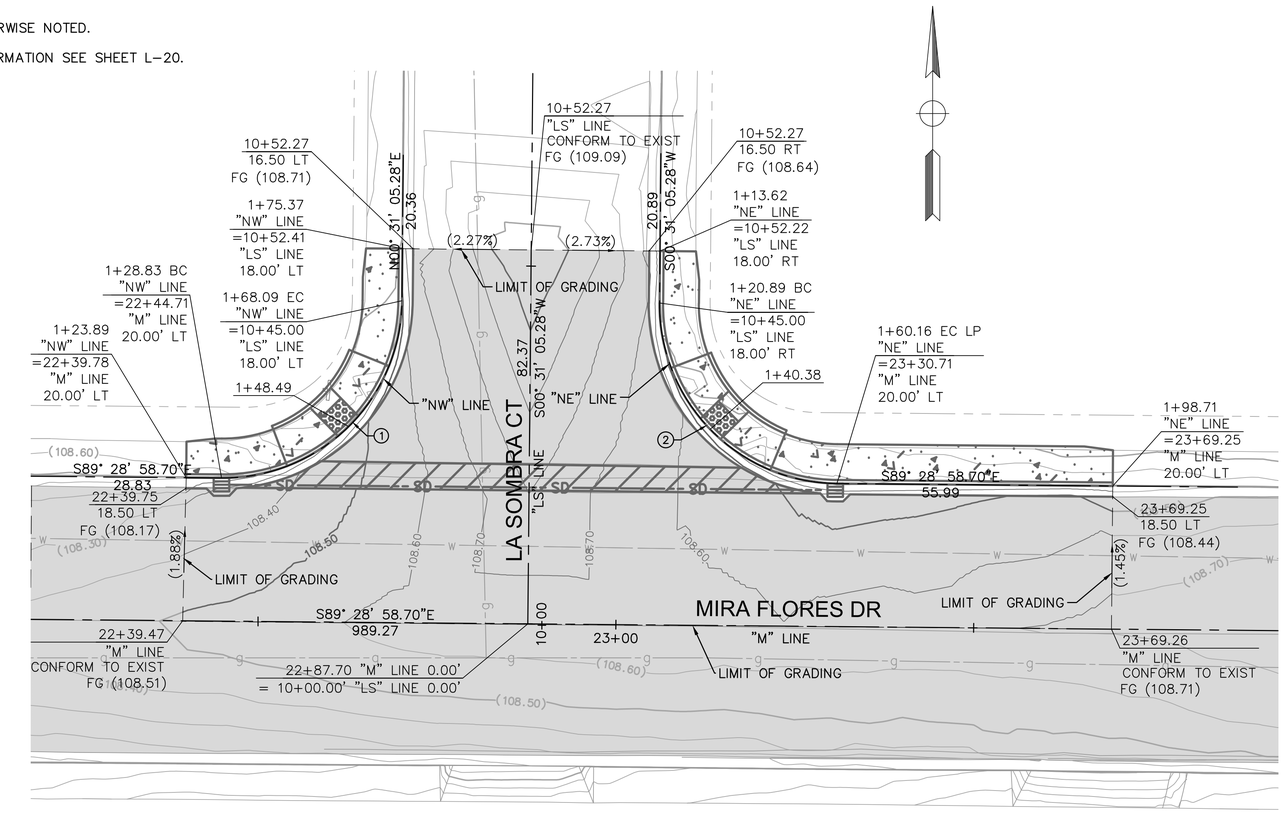
22-001-P1-10-CD-25.dwg

10/27/2022 8:45:07 PM

NOTES:

1. ELEVATIONS SHOWN INDICATES PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE SHEET L–20.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–20.

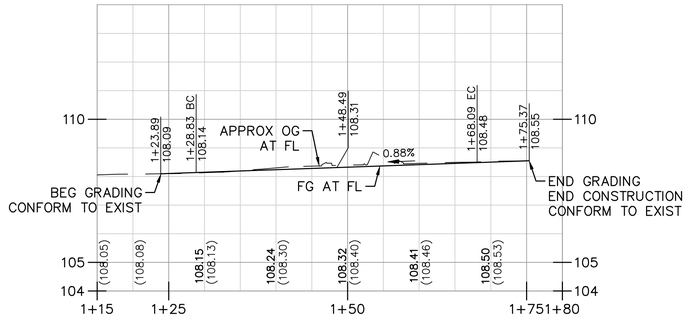
CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	25.00'	089°59'56.02"	25.00'	39.27'
2	25.00'	090°00'03.98"	25.00'	39.27'



12 / L–20

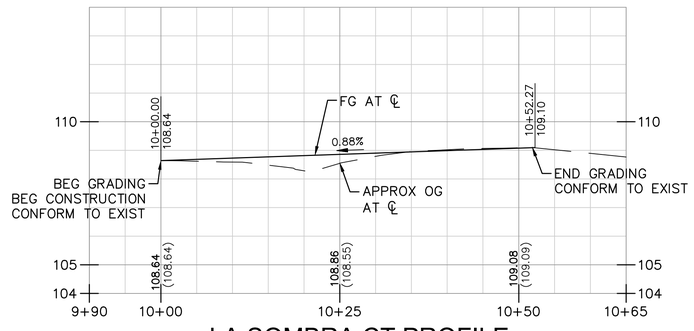
MIRA FLORES DR AND LA SOMBRA CT INTERSECTION DETAIL

1" = 10'



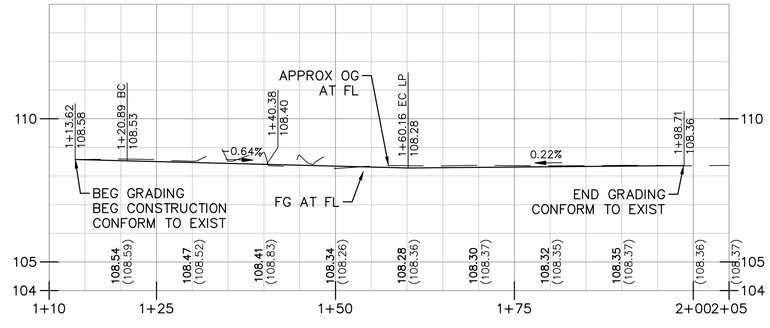
NW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



LA SOMBRA CT PROFILE

Horiz 1"=10'
Vert 4:1



NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS INTERSECTION GRADING

CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-26

SHEET: 147 OF 169

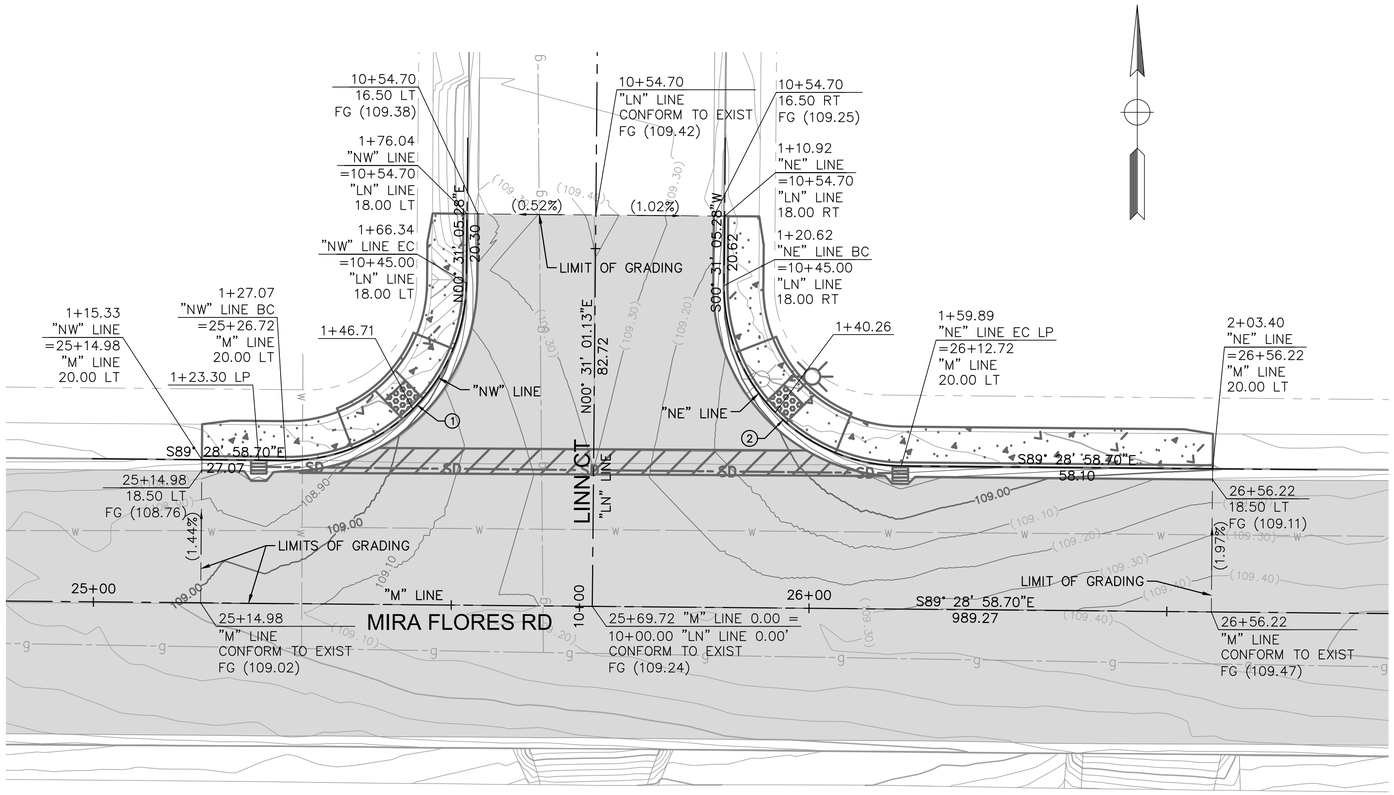
22-001-P1-10-CD-26.dwg

10/27/2022 8:49:26 PM

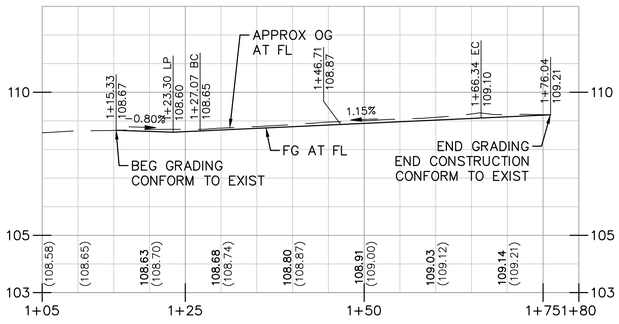
NOTES:

1. ELEVATIONS SHOWN INDICATES PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE SHEET L–20.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–20.

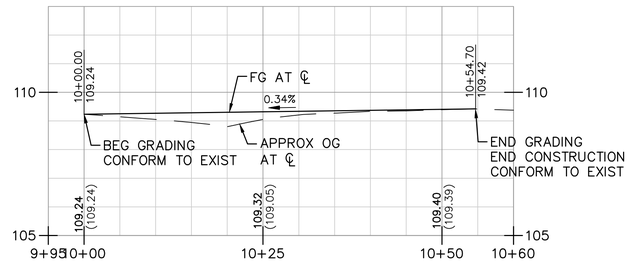
CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	25.00'	089°59'56.02"	25.00'	39.27'
2	25.00'	090°00'03.98"	25.00'	39.27'



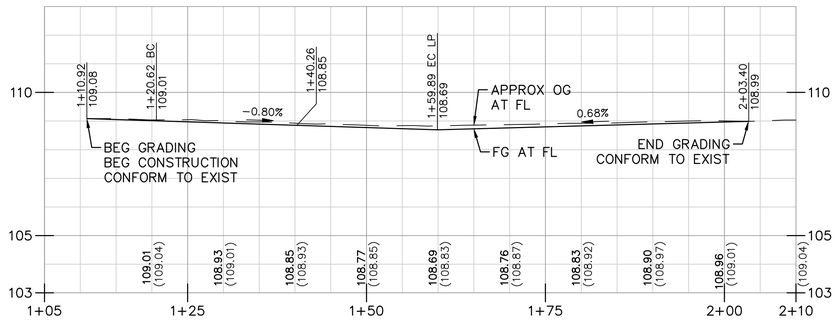
13 L–20 MIRA FLORES RD AND LINN CT INTERSECTION DETAIL
1" = 10'



NW CURB RETURN PROFILE
Horiz 1"=10'
Vert 4:1



LINN CT PROFILE
Horiz 1"=10'
Vert 4:1



NE CURB RETURN PROFILE
Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS
INTERSECTION GRADING

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
CD-27
SHEET:
148 OF 169

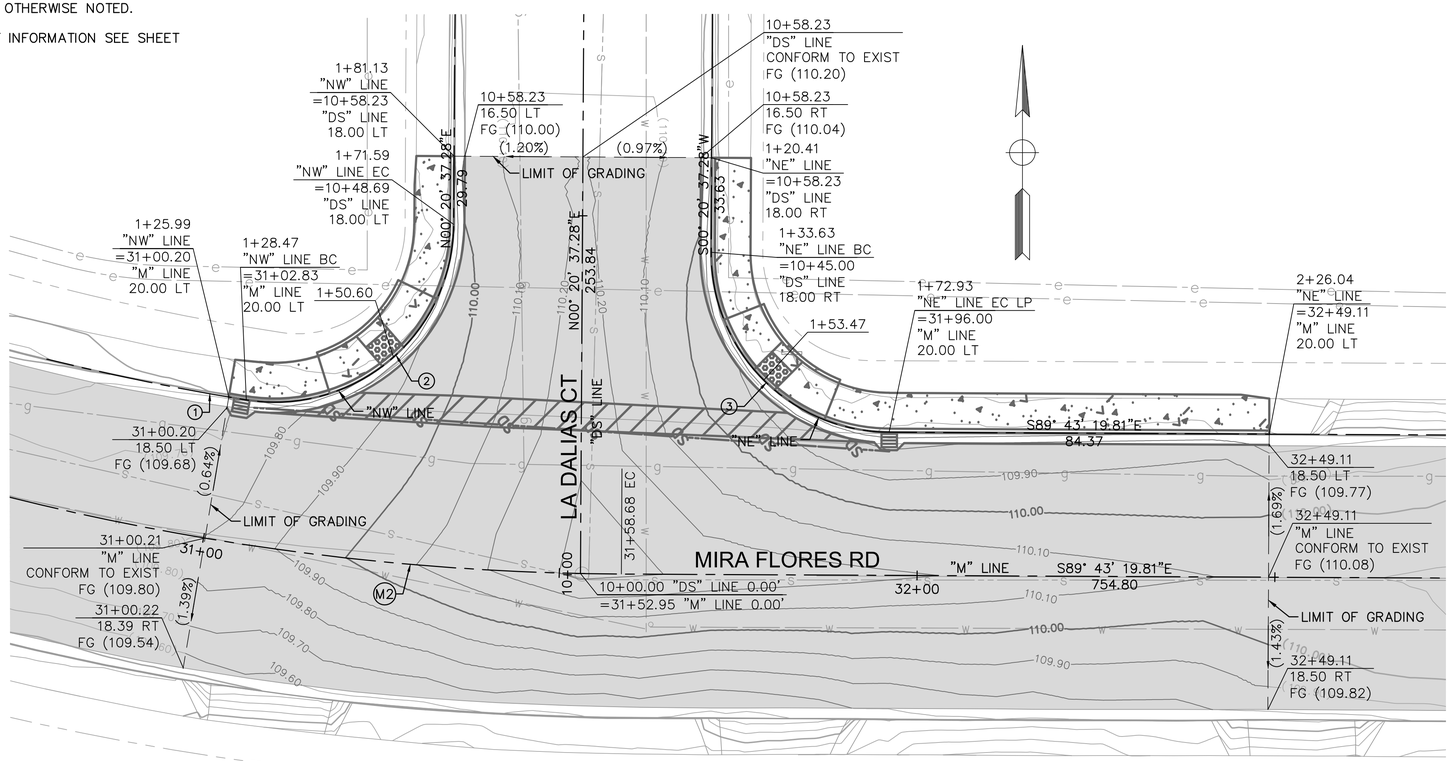
22-001-P1-10-CD-27.dwg
10/27/2022 8:53:28 PM

NOTES:

1. ELEVATIONS SHOWN INDICATES PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE SHEET L–21.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–21.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	340.00'	004°47'50.48"	14.24'	28.47'
2	25.00'	098°49'25.11"	29.18'	43.12'
3	25.00'	090°03'57.09"	25.03'	39.30'

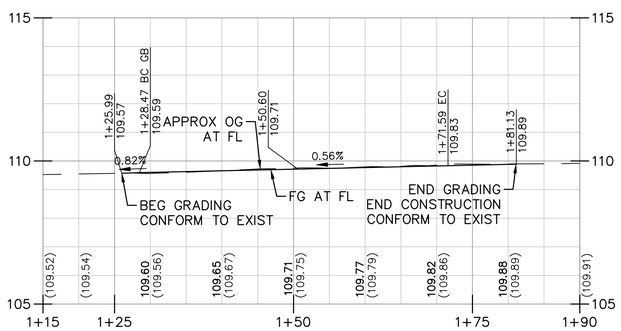
CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
(M2)	360.00'	023°00'00.00"	73.24'	144.51'



14
L–21

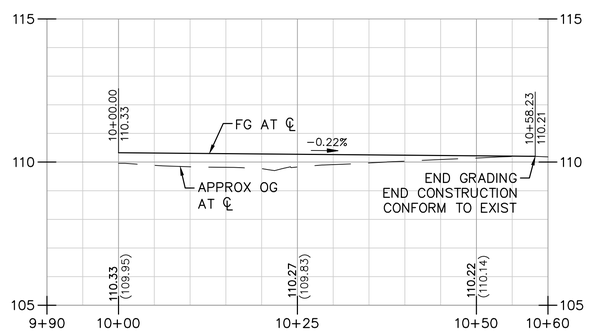
MIRA FLORES RD AND LA DALIAS CT INTERSECTION DETAIL

1" = 10'



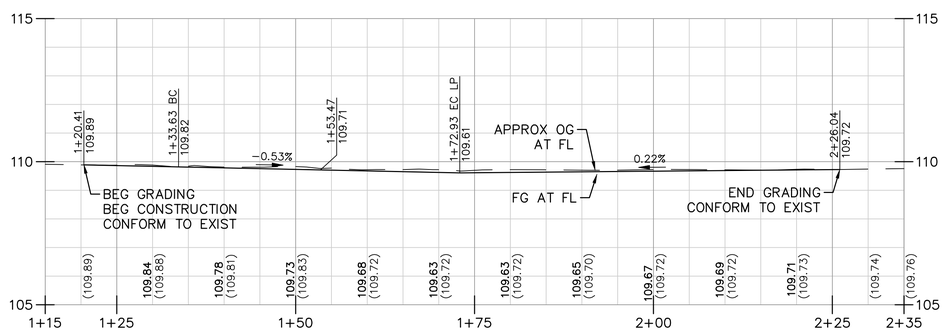
NW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



LA DALIAS CT PROFILE

Horiz 1"=10'
Vert 4:1



NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS
INTERSECTION GRADING

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4"
0 1"
1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

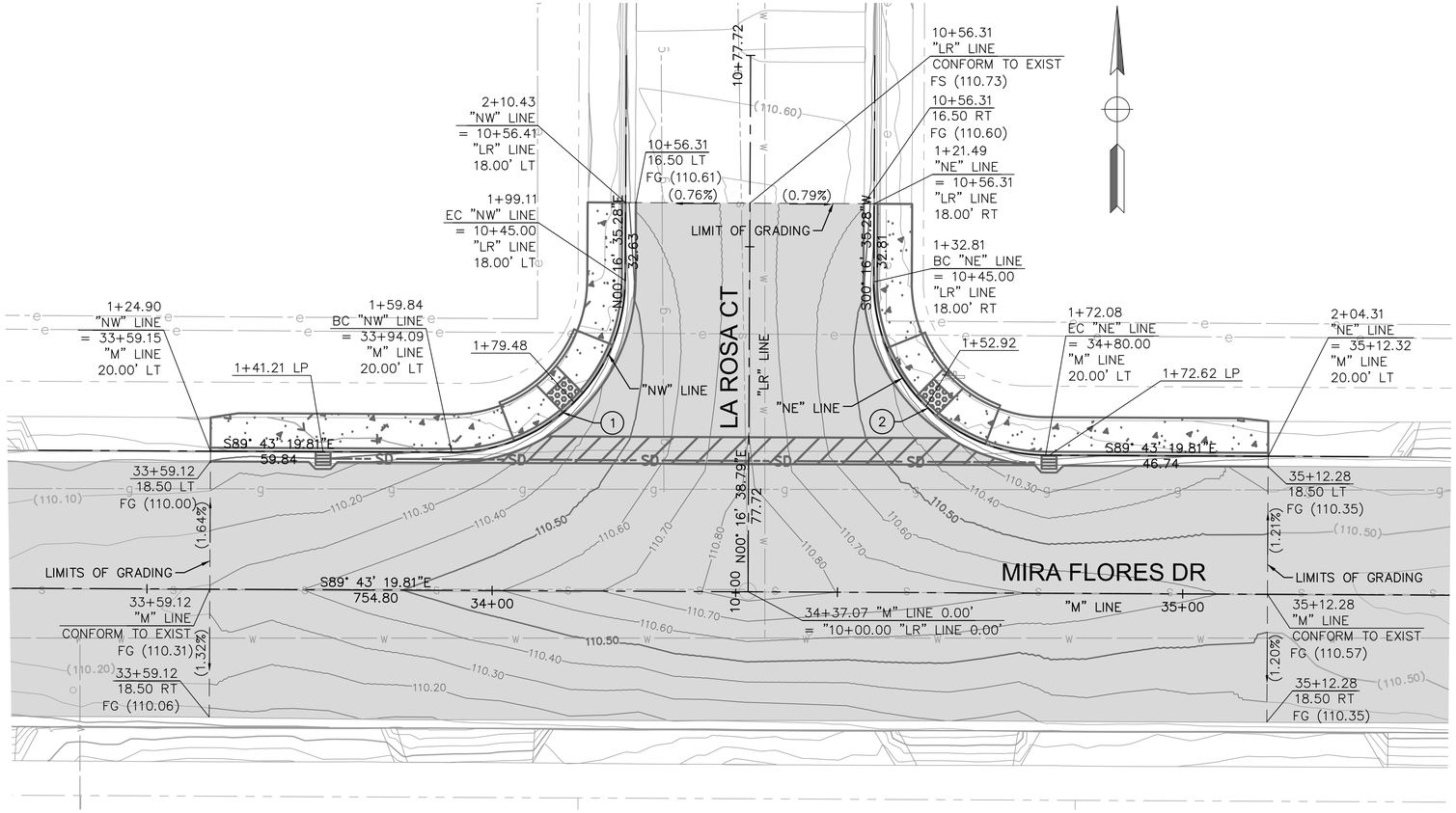
DRAWING No.
CD-28
SHEET:
149 OF 169

22-001-P1-10-CD-28.dwg
10/27/2022 8:56:21 PM

NOTES:

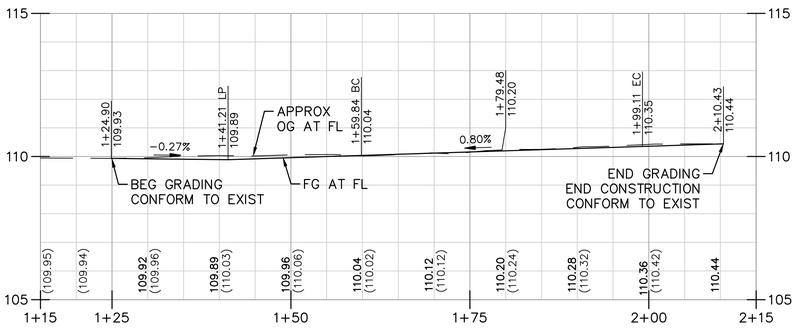
1. ELEVATIONS SHOWN INDICATES PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE SHEET L–22.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–22.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	25.00'	090°00'04.90"	25.00'	39.27'
2	25.00'	089°59'55.10"	25.00'	39.27'



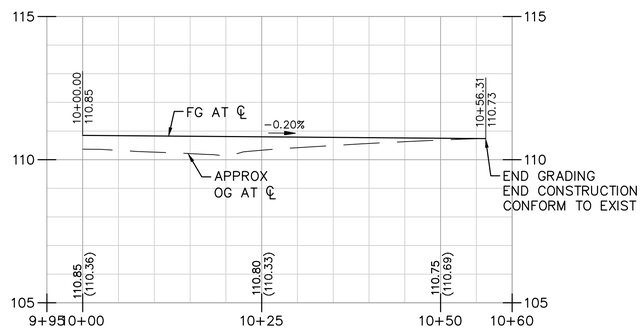
15 L–22 MIRA FLORES DR AND LA ROSA CT INTERSECTION DETAIL

1" = 10'



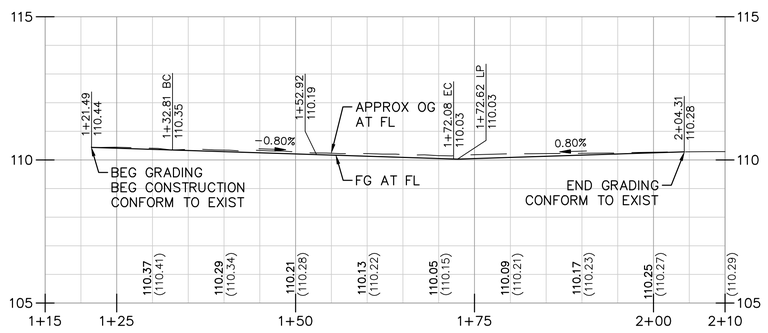
NW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



LA ROSA CT PROFILE

Horiz 1"=10'
Vert 4:1



NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE: ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS INTERSECTION GRADING

CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-29

SHEET: 150 OF 169

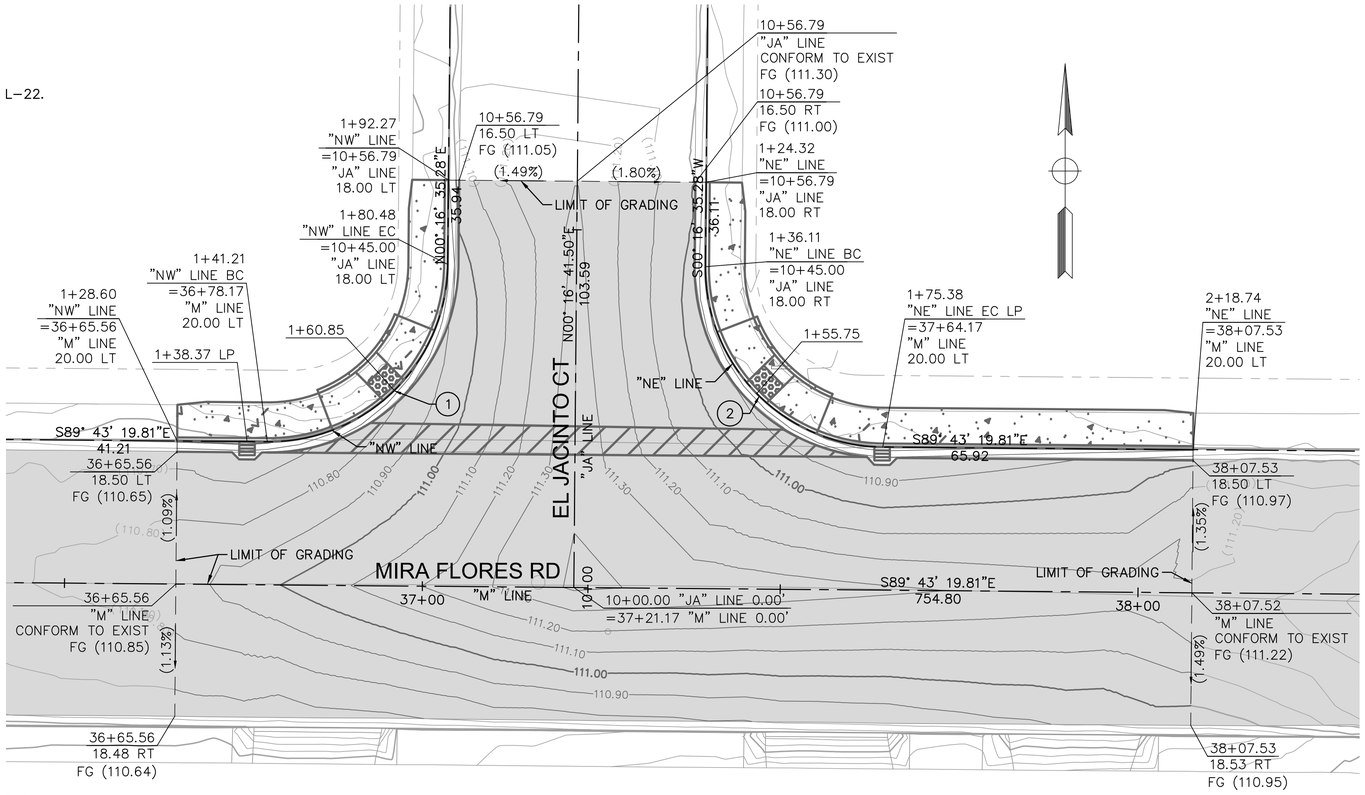
22-001-P1-10-CD-29.dwg

10/27/2022 8:57:54 PM

NOTES:

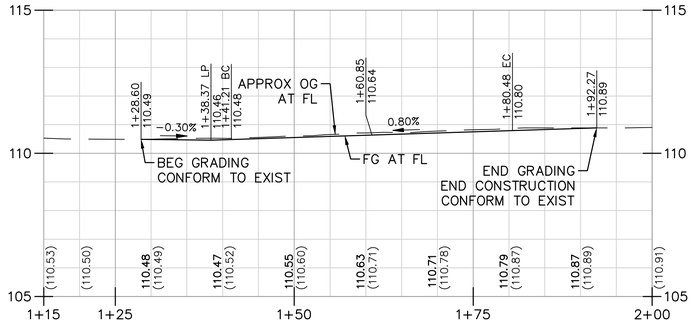
1. ELEVATIONS SHOWN INDICATES PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE SHEET L-22.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L-22.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	25.00'	090°00'04.90"	25.00'	39.27'
2	25.00'	089°59'55.10"	25.00'	39.27'



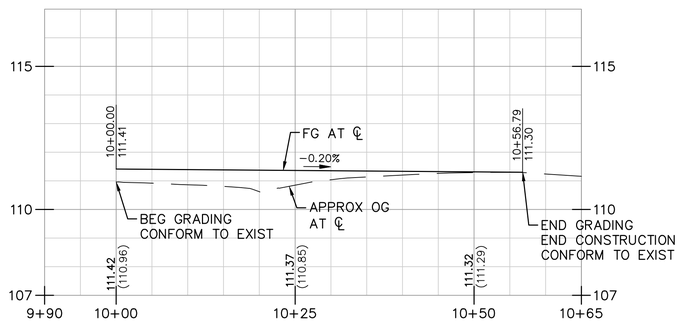
16 L-22 MIRA FLORES DR AND EL JACINTO CT INTERSECTION DETAIL

1" = 10'



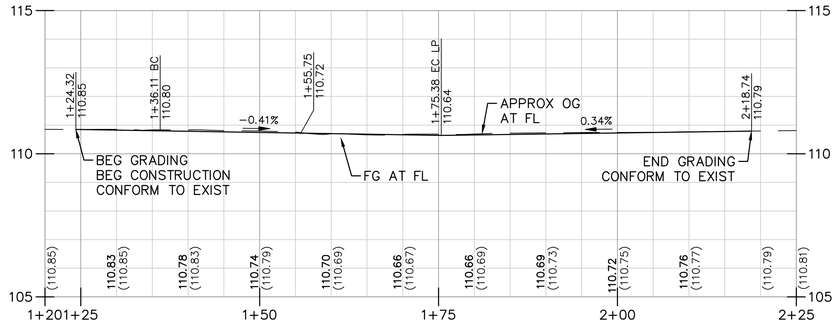
NW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



EL JACINTO CT PROFILE

Horiz 1"=10'
Vert 4:1



NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

CONSTRUCTION DETAILS
INTERSECTION GRADING

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-30

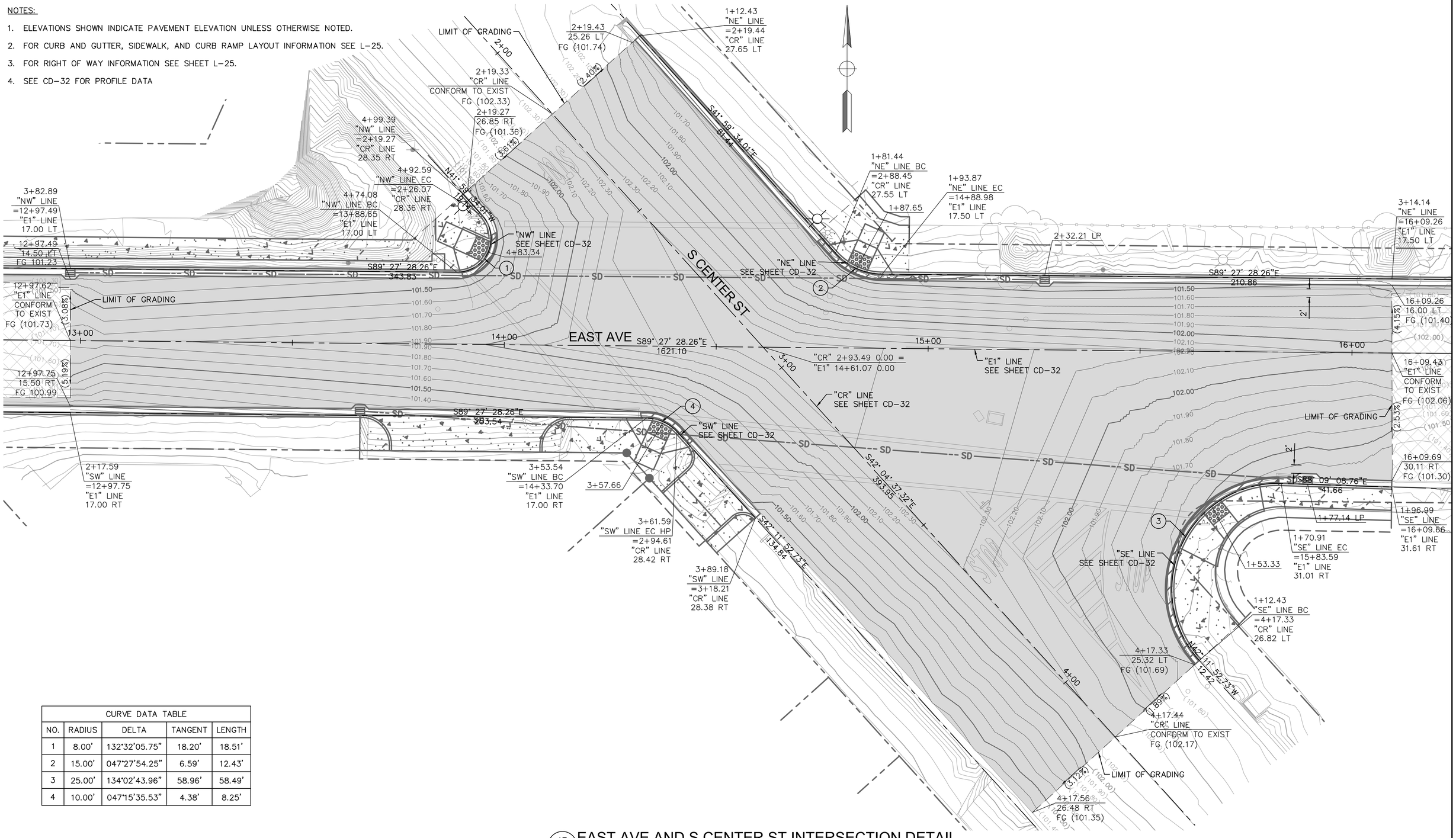
SHEET: 151 OF 169

22-001-P1-10-CD-30.dwg

10/27/2022 9:02:10 PM

NOTES:

1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE L-25.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L-25.
4. SEE CD-32 FOR PROFILE DATA



CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	8.00'	132°32'05.75"	18.20'	18.51'
2	15.00'	047°27'54.25"	6.59'	12.43'
3	25.00'	134°02'43.96"	58.96'	58.49'
4	10.00'	047°15'35.53"	4.38'	8.25'

17 / L-25 EAST AVE AND S CENTER ST INTERSECTION DETAIL

1" = 10'

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SULAIMAN ARAIN No. C78364 Exp. 9/30/2023 CIVIL STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

CONSTRUCTION DETAILS
INTERSECTION GRADING

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1/2" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

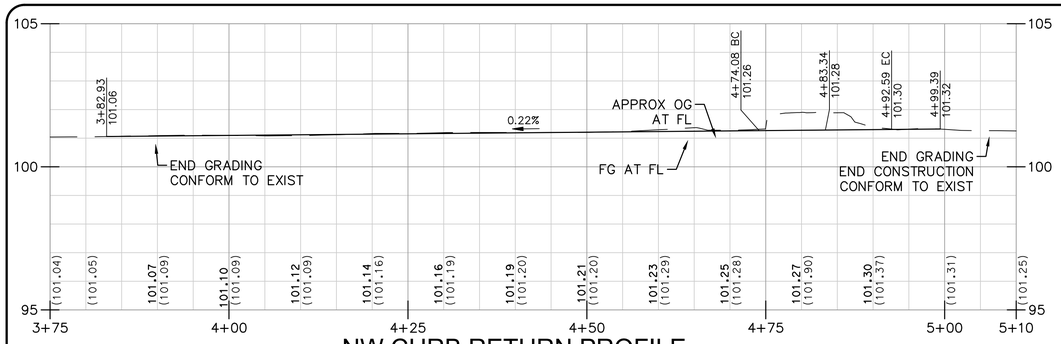
DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-31

SHEET: 152 OF 169

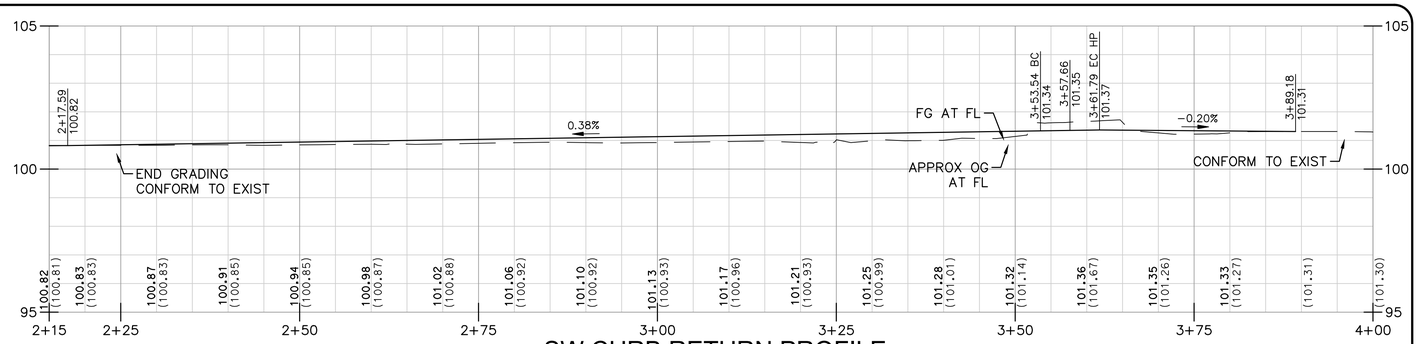
22-001-P1-10-CD-31.dwg

10/27/2022 9:03:09 PM



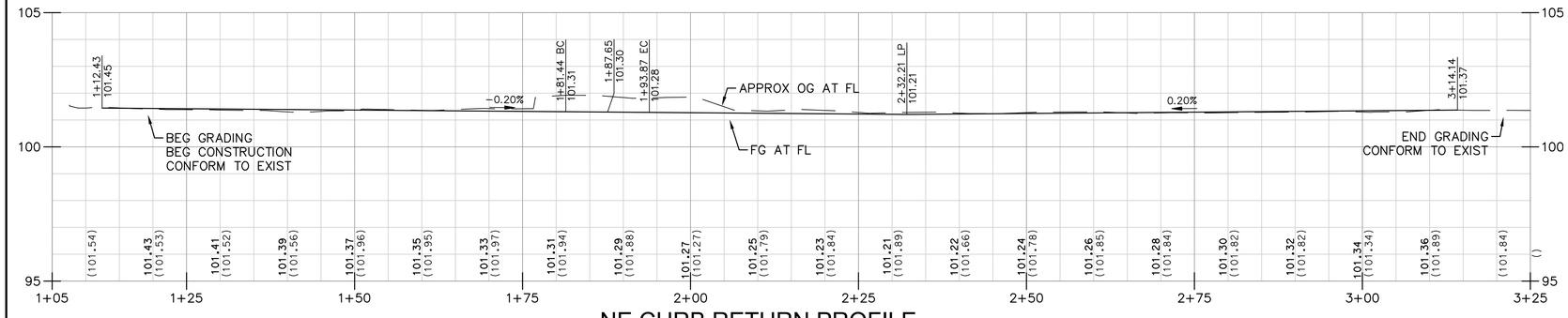
NW CURB RETURN PROFILE

Horiz 1"=10' Vert 4:1



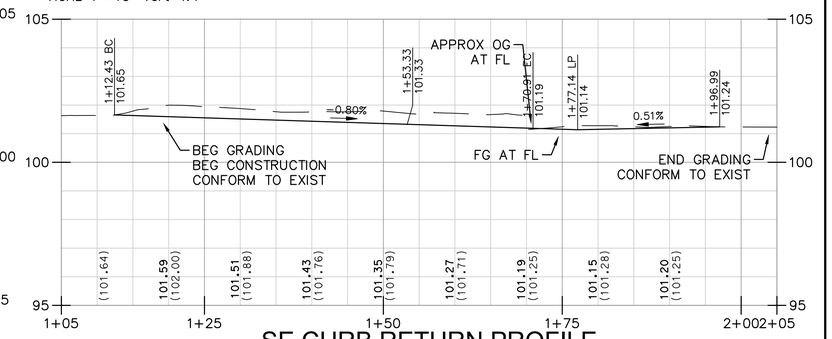
SW CURB RETURN PROFILE

Horiz 1"=10' Vert 4:1



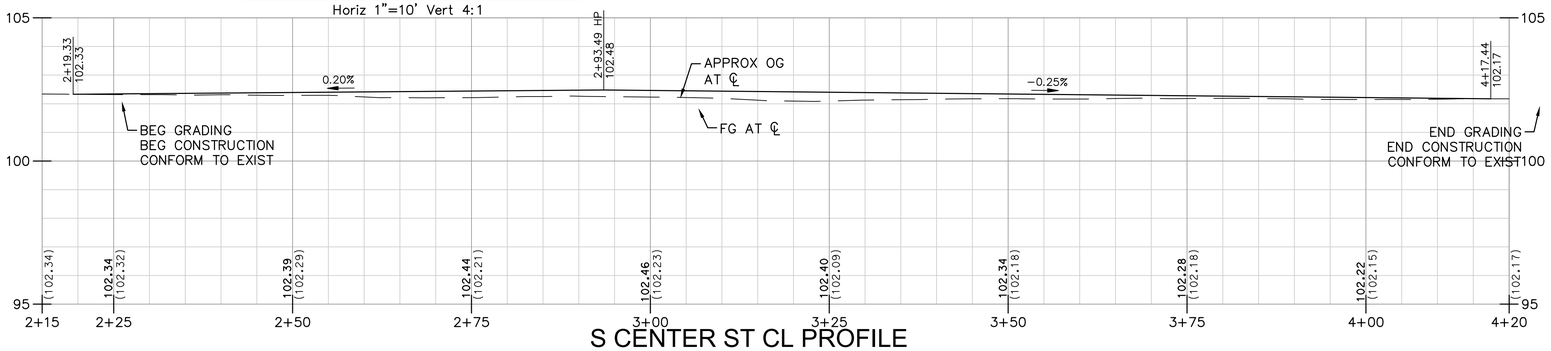
NE CURB RETURN PROFILE

Horiz 1"=10' Vert 4:1



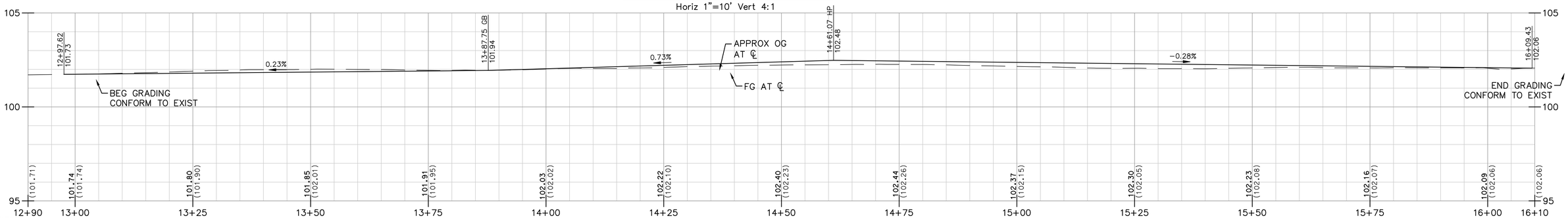
SE CURB RETURN PROFILE

Horiz 1"=10' Vert 4:1



S CENTER ST CL PROFILE

Horiz 1"=10' Vert 4:1



EAST ST CL PROFILE

Horiz 1"=10' Vert 4:1

NOTES:

1. SEE SHEET CD-31 FOR EAST AVE AND S CENTER ST GRADING DETAIL.

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

CONSTRUCTION DETAILS
INTERSECTION GRADING
EAST AVE AND S CENTER ST
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

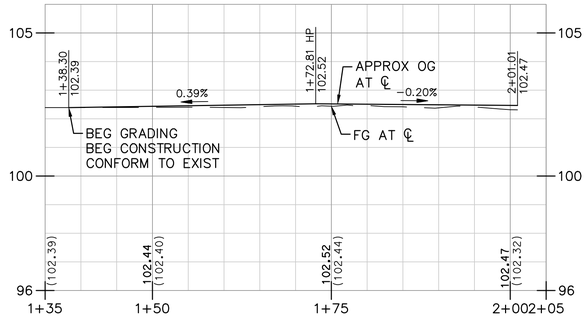
DRAWN BY: J. MILLER	DRAWING No.
REV. BY:	CD-32
CH. BY: S. ARAIN	
DATE: 10/28/2022	SHEET:
SCALE: AS SHOWN	153 OF 169
MBI PROJECT No. 187020	

22-001-P1-10-CD-32.dwg
10/27/2022 9:03:40 PM

NOTES:

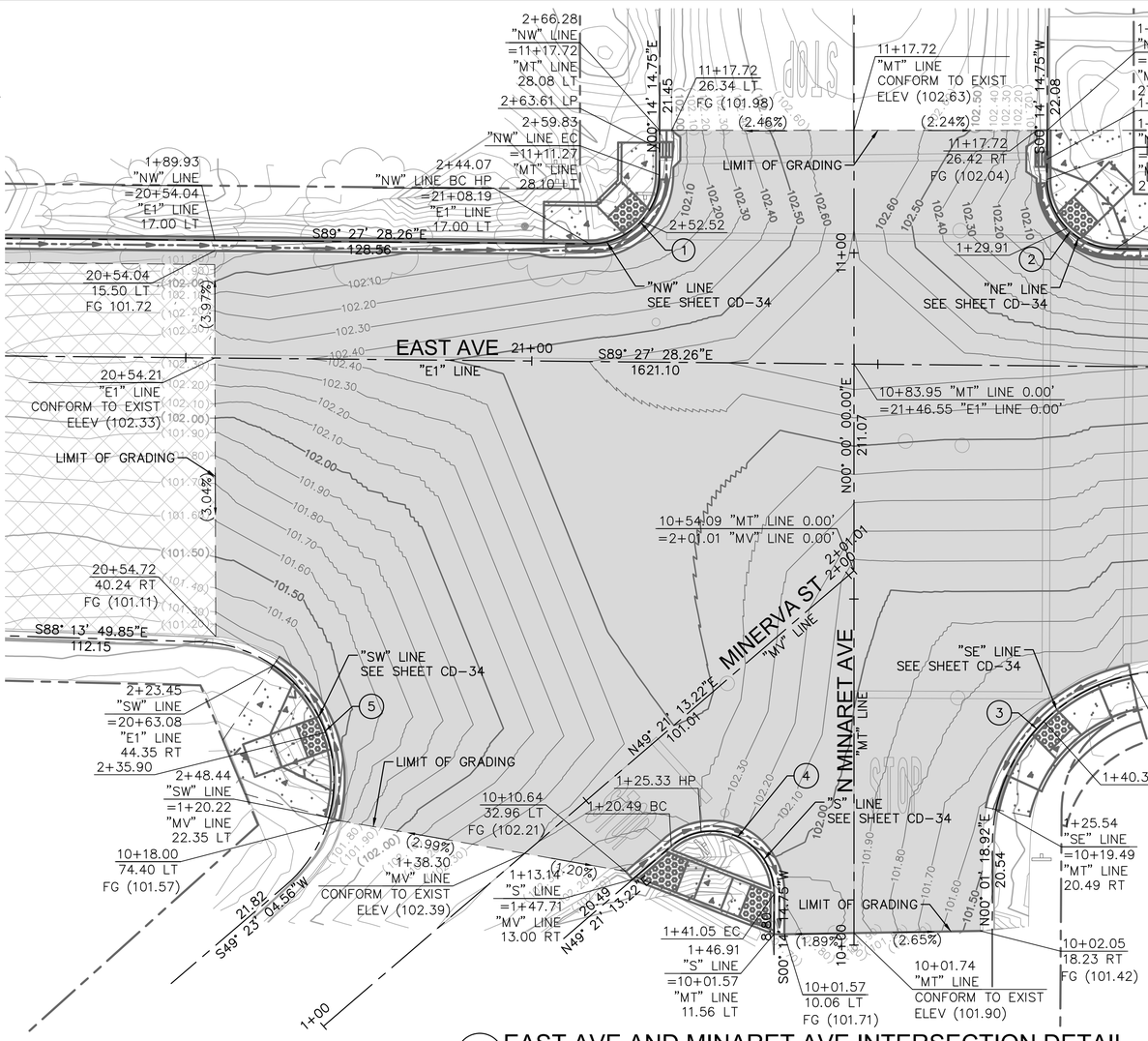
1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE L–25.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–25.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	10.00'	090°18'16.99"	10.05'	15.76'
2	10.00'	089°41'43.01"	9.95'	15.65'
3	25.00'	090°31'12.82"	25.23'	39.50'
4	9.00'	130°53'01.53"	19.70'	20.56'



MINERVA ST CL PROFILE

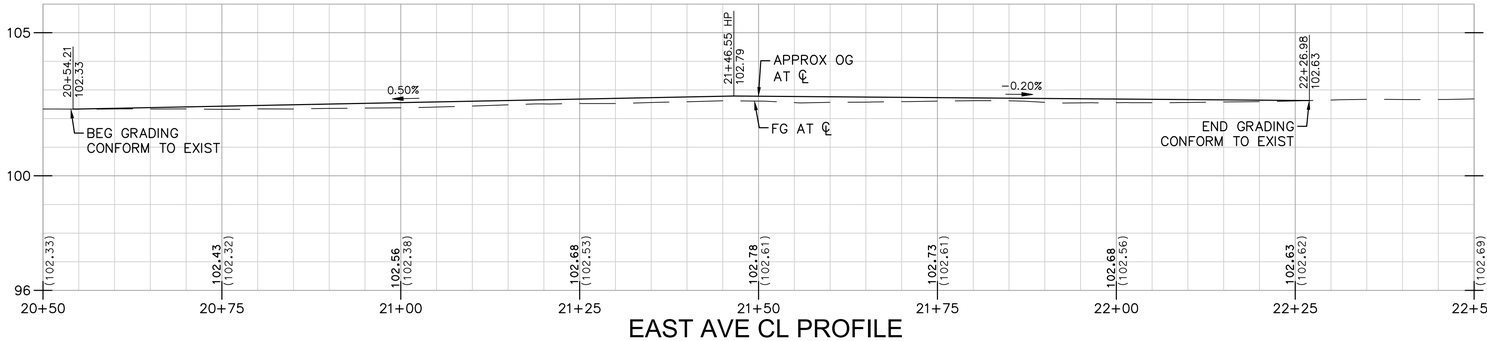
Horiz 1"=10'
Vert 4:1



18
L–25

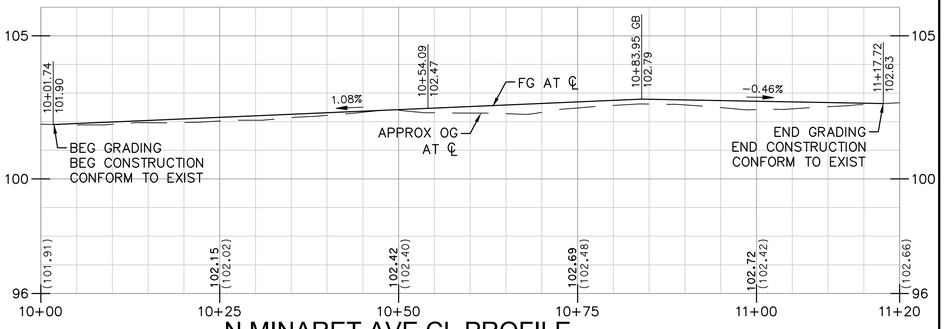
EAST AVE AND MINARET AVE INTERSECTION DETAIL

1" = 10'



EAST AVE CL PROFILE

Horiz 1"=10'
Vert 4:1



N MINARET AVE CL PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS INTERSECTION GRADING

CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-33

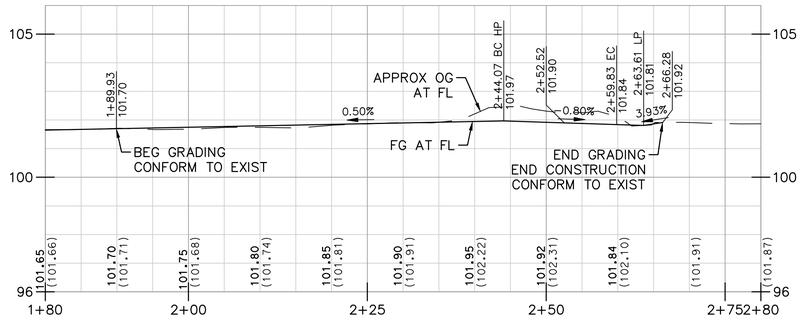
SHEET: 154 OF 169

22-001-P1-10-CD-33.dwg

10/27/2022 9:05:45 PM

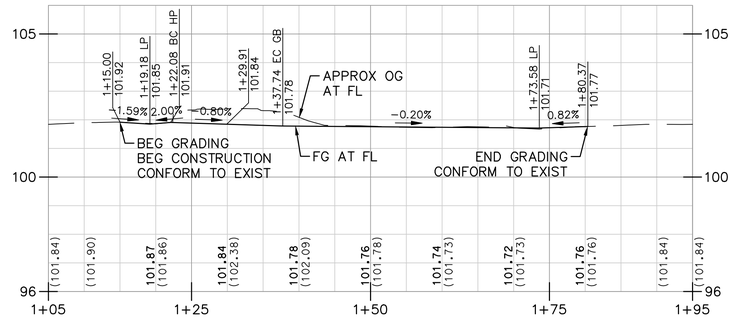
NOTES:

2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE L-25.
3. SEE SHEET CD-33 FOR EAST AVE AND MINARET AVE GRADING DETAIL.



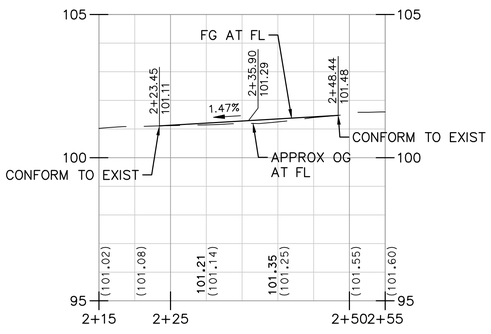
NW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



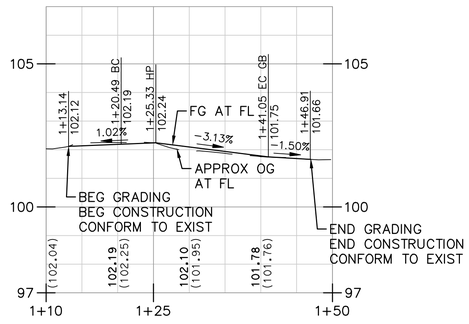
NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



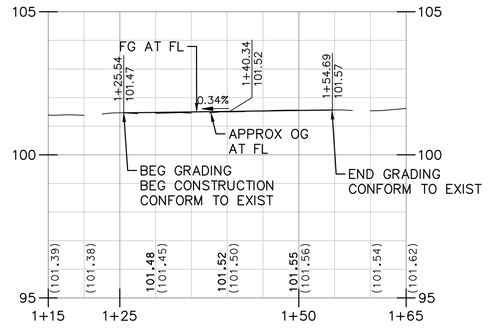
SW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



S CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



SE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

CONSTRUCTION DETAILS
INTERSECTION GRADING
EAST AVE AND MINARET AVE
CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

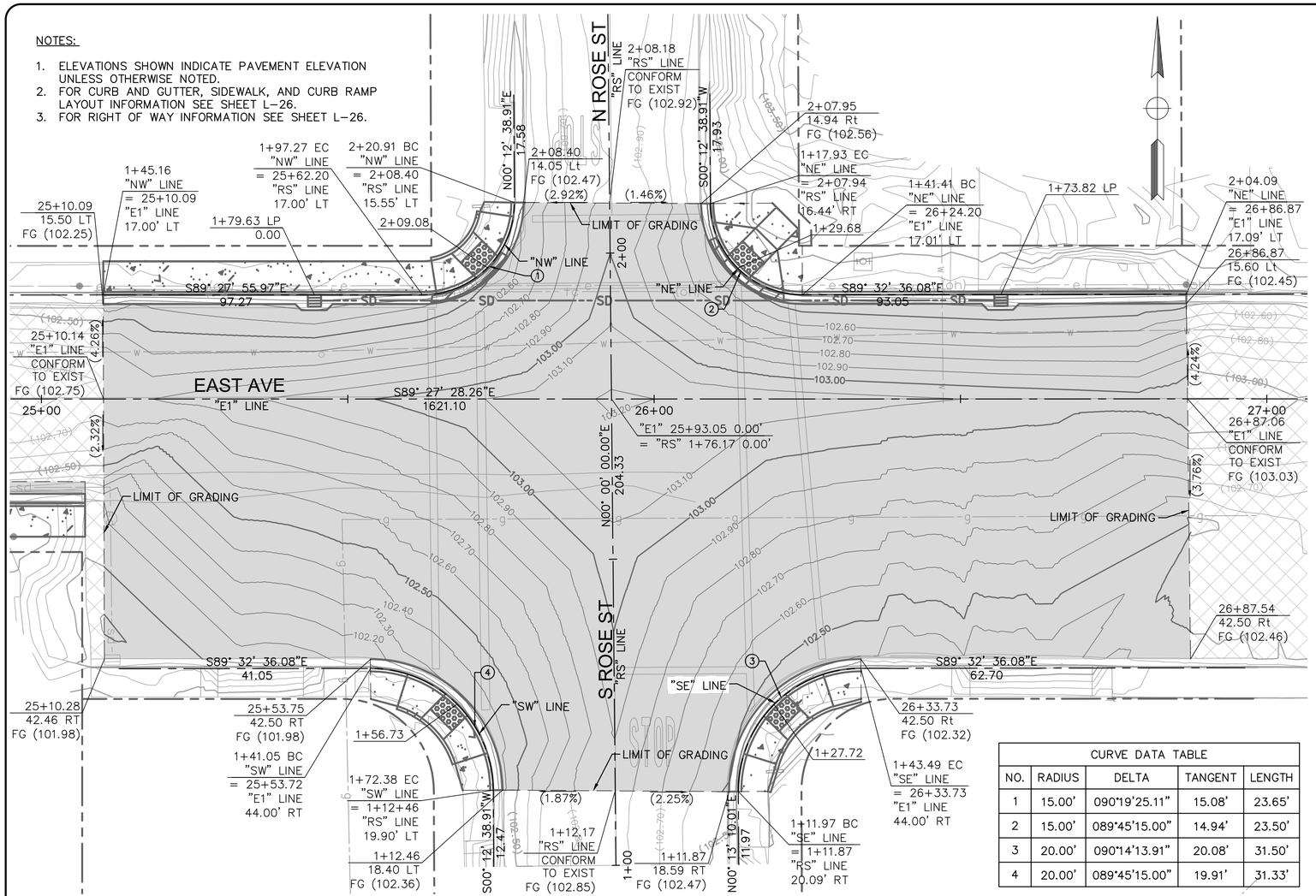
DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
CD-34
SHEET:
155 OF 169

22-001-P1-10-CD-34.dwg
10/27/2022 9:06:55 PM

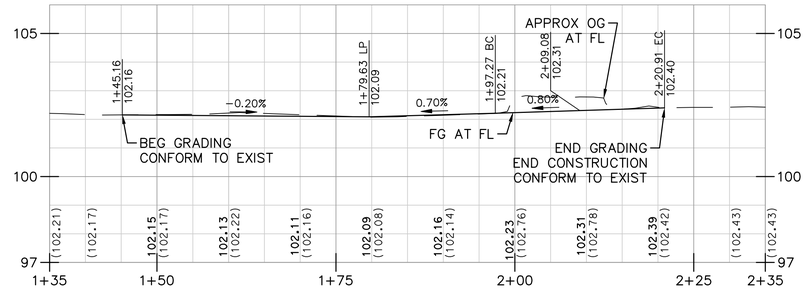
NOTES:

1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE SHEET L-26.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L-26.



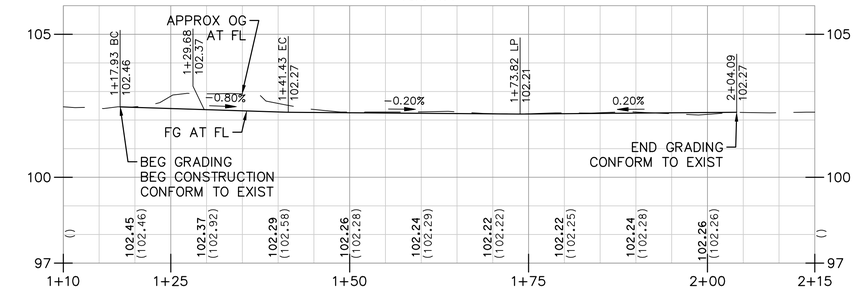
CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	15.00'	090°19'25.11"	15.08'	23.65'
2	15.00'	089°45'15.00"	14.94'	23.50'
3	20.00'	090°14'13.91"	20.08'	31.50'
4	20.00'	089°45'15.00"	19.91'	31.33'

19 / L-26 EAST AVE AND N.ROSE ST INTERSECTION DETAIL
1" = 10'



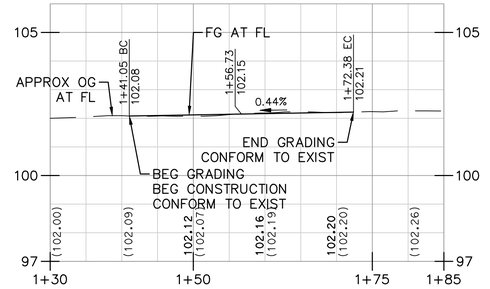
NW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



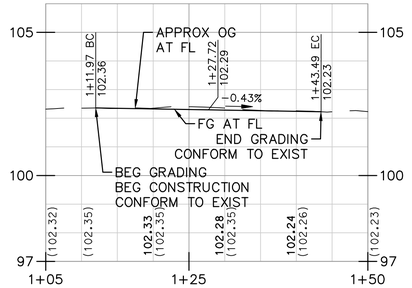
NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



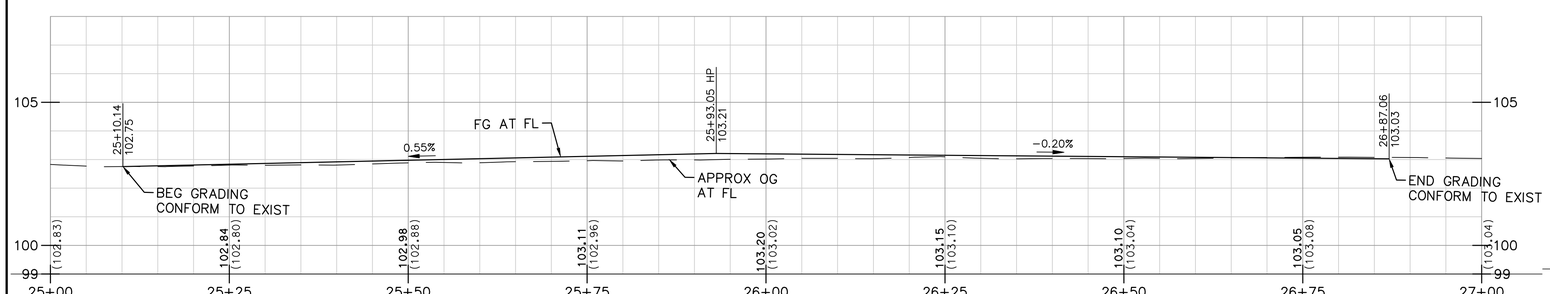
SW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



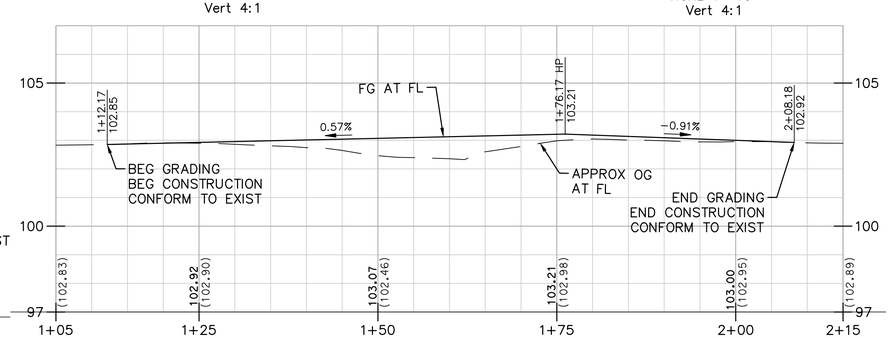
SE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



EAST AVE CL PROFILE

Horiz 1"=10'
Vert 4:1



ROSE ST CL PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

CONSTRUCTION DETAILS INTERSECTION GRADING

CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

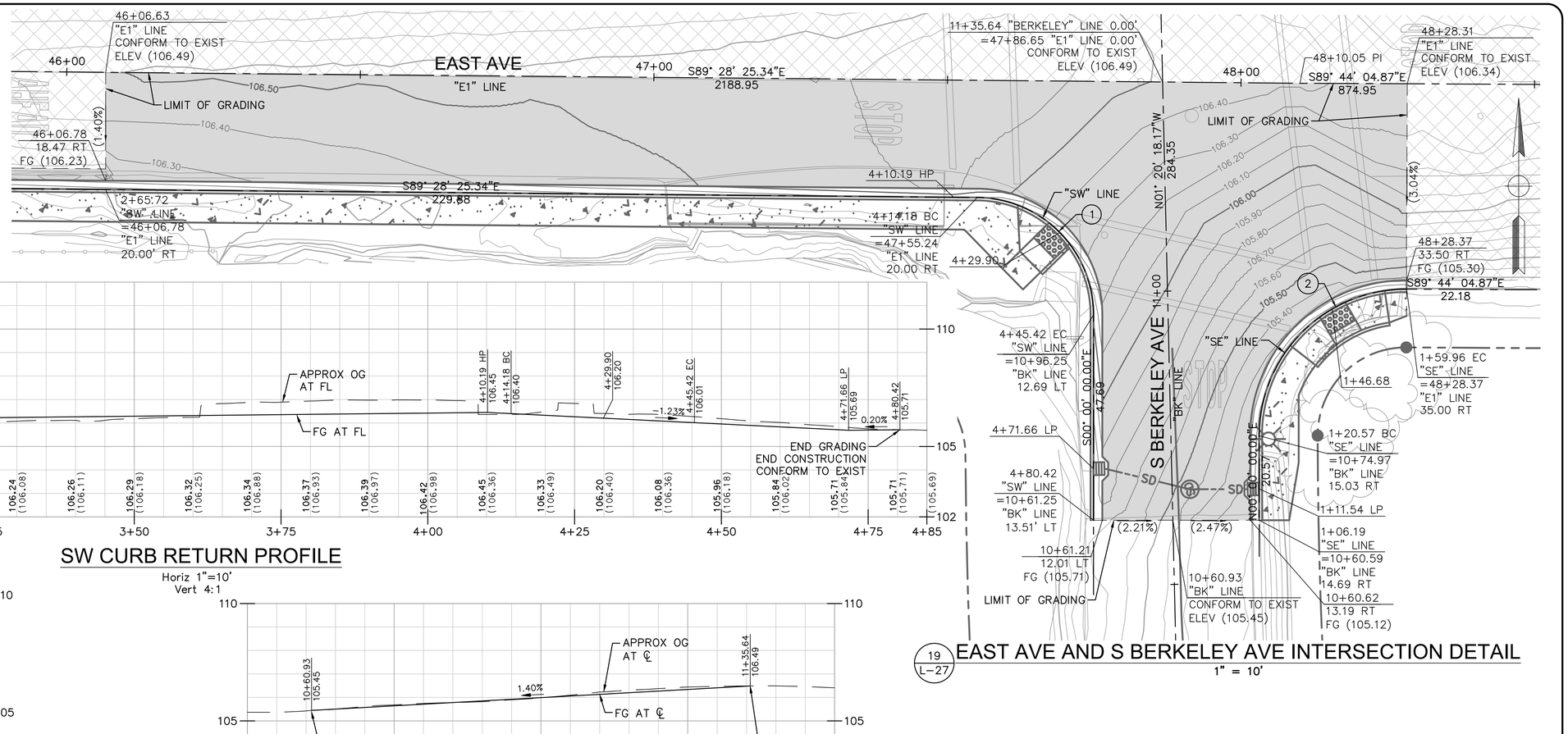
DRAWING No. CD-35
SHEET: 156 OF 169

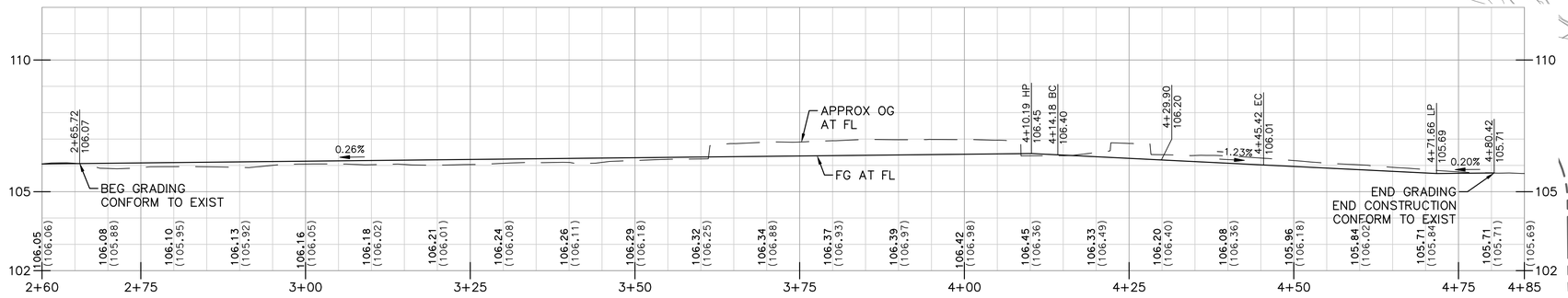
22-001-P1-10-CD-35.dwg
10/27/2022 9:09:20 PM

NOTES:

1. ELEVATIONS SHOWN INDICATES PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK AND CURB RAMP LAYOUT INFORMATION SEE L–27.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–27.

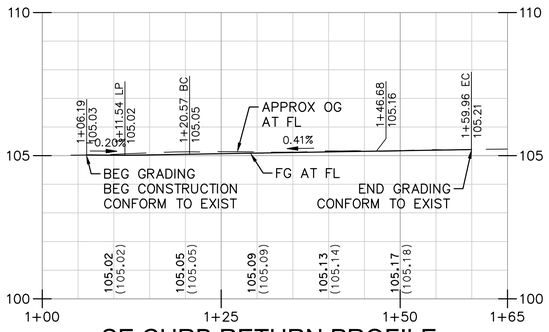
CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	20.00'	089°28'25.34"	19.82'	31.23'
2	25.00'	090°15'55.13"	25.12'	39.39'





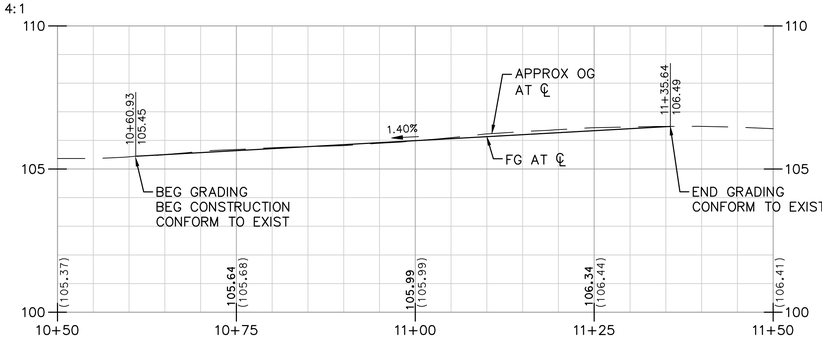
SW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



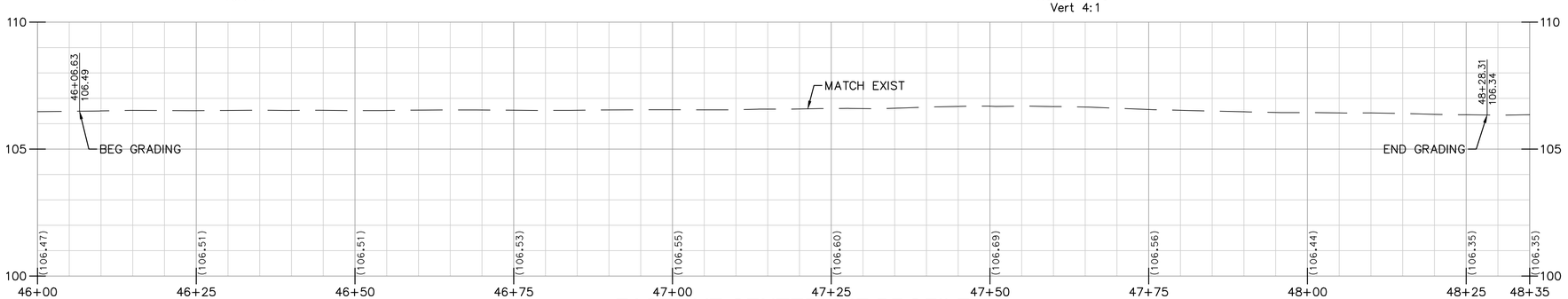
SE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



S BERKELEY AVE CENTERLINE PROFILE

Horiz 1"=10'
Vert 4:1



EAST AVE CENTERLINE PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS
INTERSECTION GRADING

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

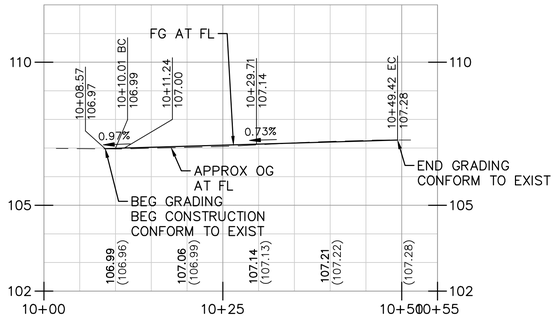
DRAWING No.
CD-36
SHEET:
157 OF 169

22-001-P1-10-CD-36.dwg
10/27/2022 9:10:48 PM

NOTES:

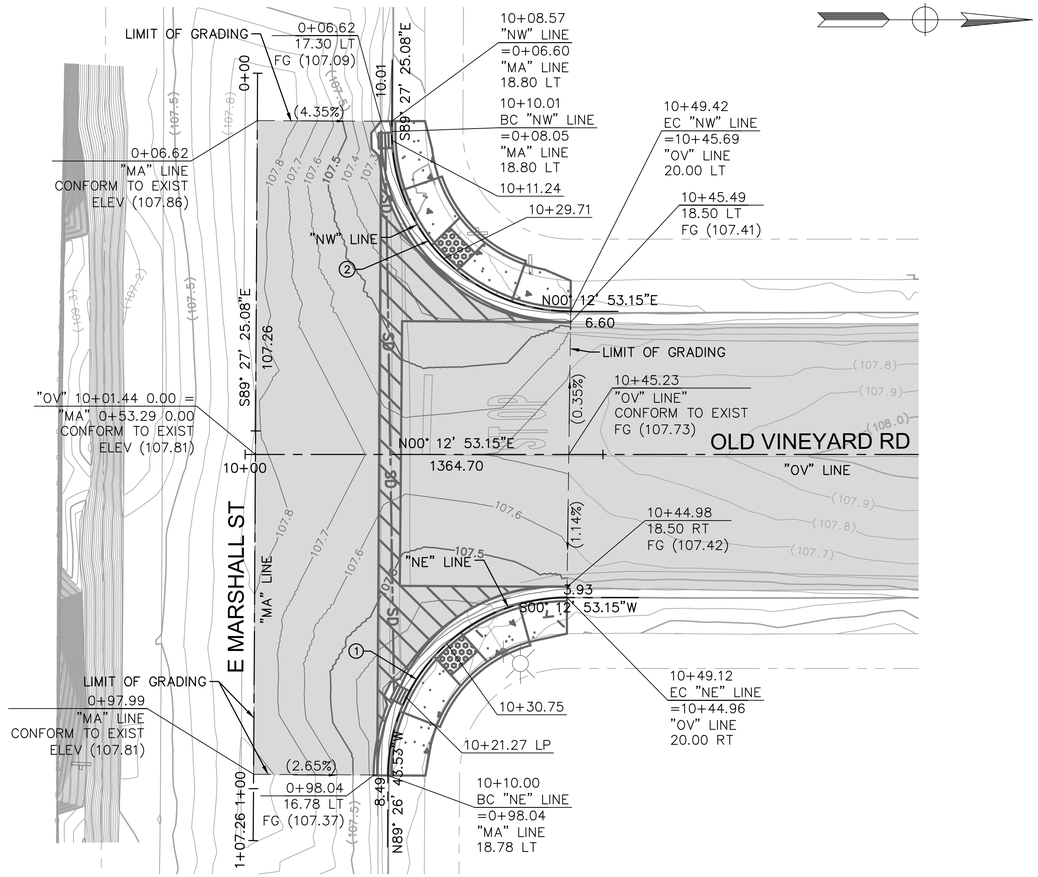
1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE SHEET L–30.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–30.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	25.00'	89°39'31.97"	24.85'	39.12'
2	25.00'	90°19'41.77"	25.14'	39.41'



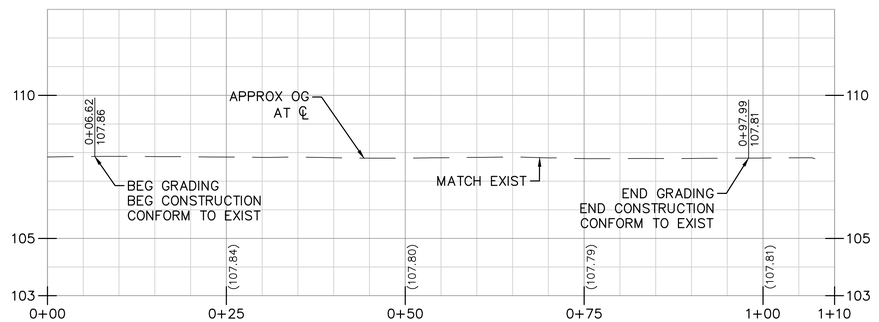
NW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



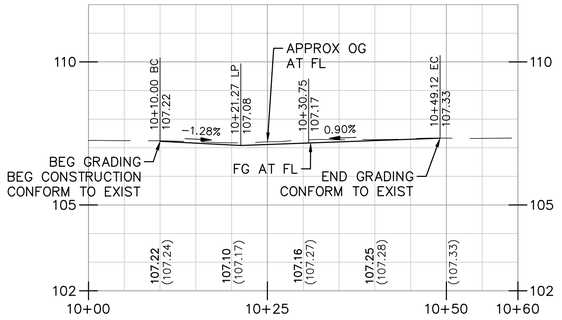
20 / L–30 OLD VINEYARD RD AND E MARSHALL ST INTERSECTION DETAIL

1" = 10'



E MARSHALL ST CL PROFILE

Horiz 1"=10'
Vert 4:1



NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS INTERSECTION GRADING

CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	A. FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

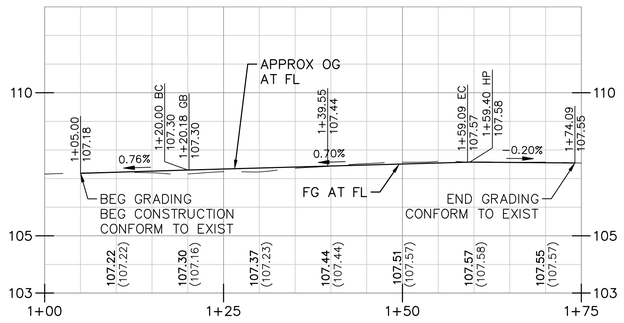
DRAWING No.
CD-37
SHEET:
158 OF 169

22-001-P1-10-CD-37.dwg
10/28/2022 1:50:59 PM

NOTES:

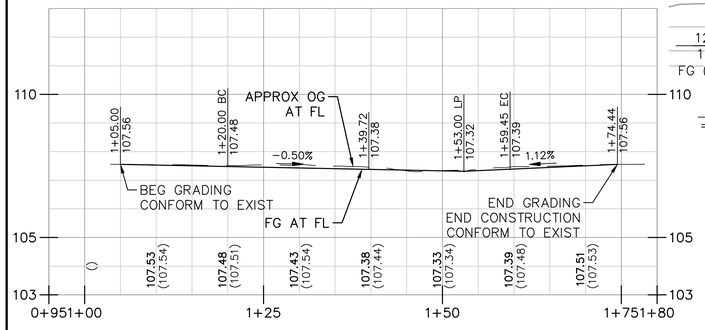
1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE SHEET L–30.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–30.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	25.00'	89°35'22.22"	24.82'	39.09'
2	25.00'	90°24'37.78"	25.18'	39.45'
3	25.00'	90°25'16.64"	25.18'	39.45'
4	25.00'	89°35'22.22"	24.82'	39.09'



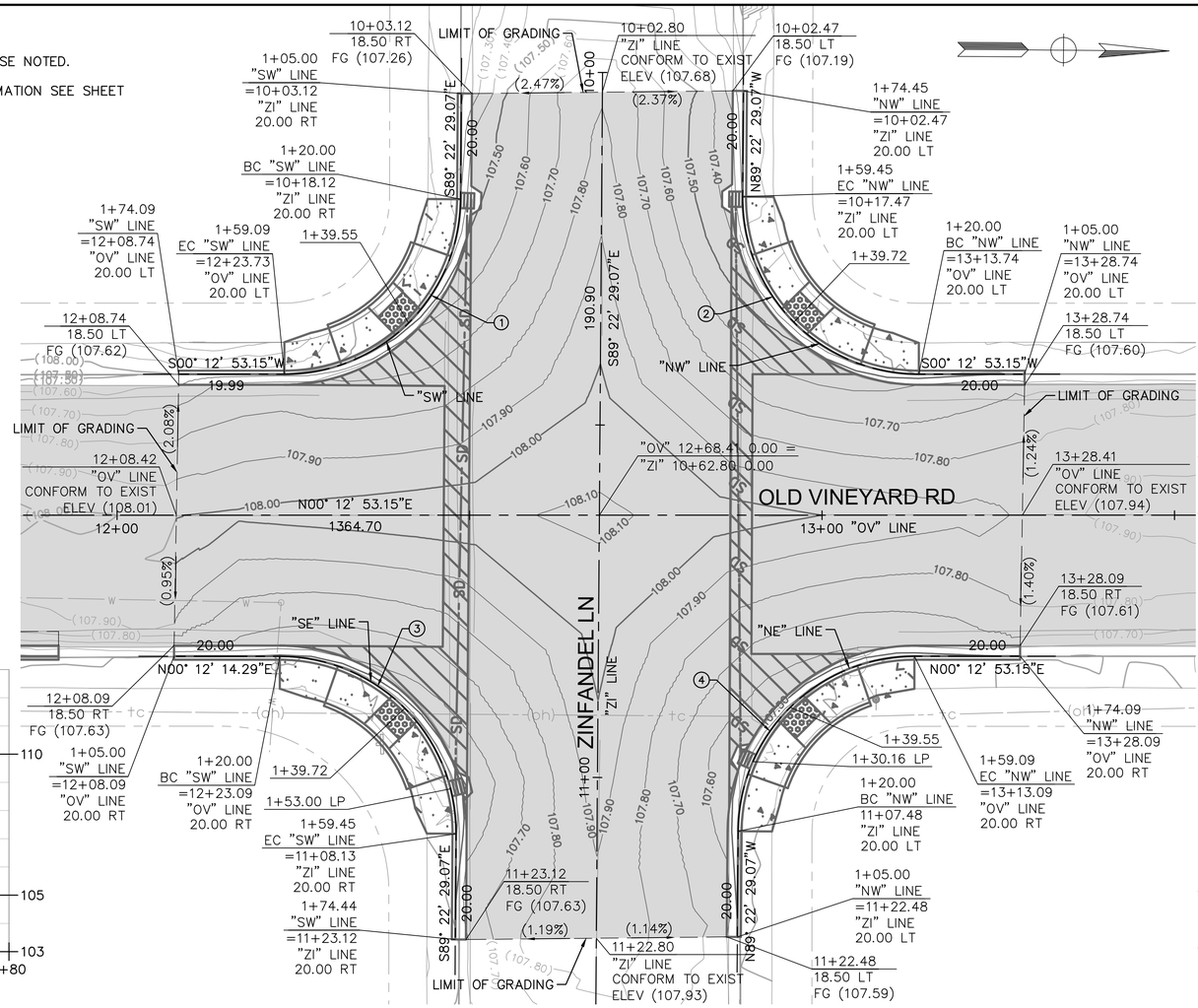
SW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



SE CURB RETURN PROFILE

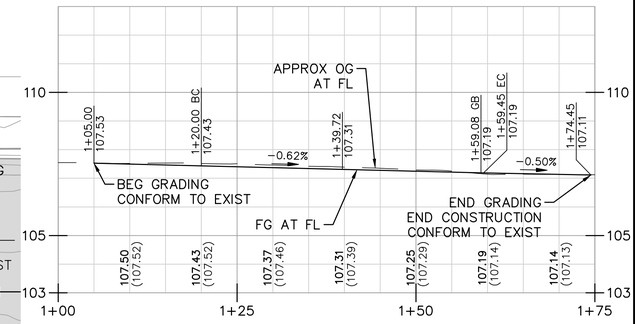
Horiz 1"=10'
Vert 4:1



22
L–30

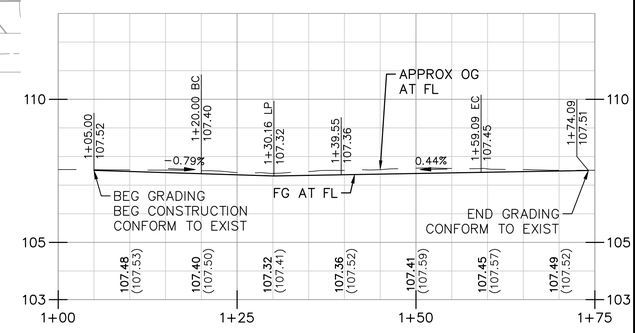
OLD VINEYARD RD AND ZINFANDEL LN INTERSECTION DETAIL

1" = 10'



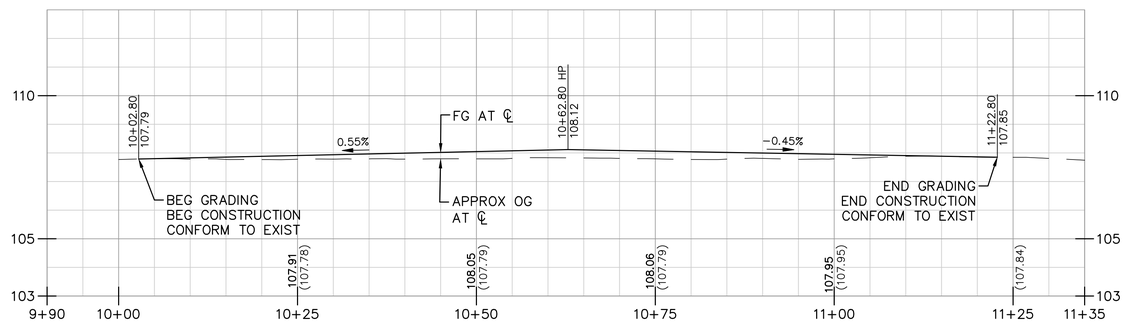
NW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



ZINFANDEL RD CL PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS
INTERSECTION GRADING

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

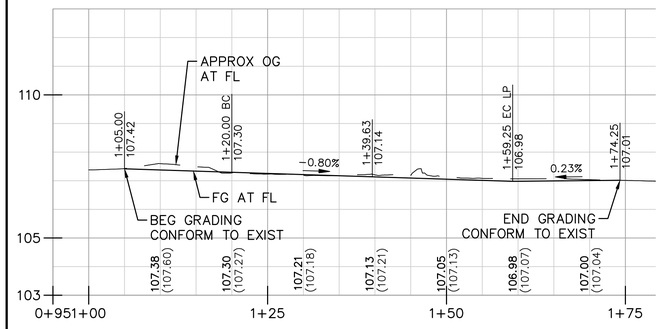
DRAWN BY:	A. FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No.
CD-38
SHEET:
159 OF 169

22-001-P1-10-CD-38.dwg
10/28/2022 3:15:33 PM

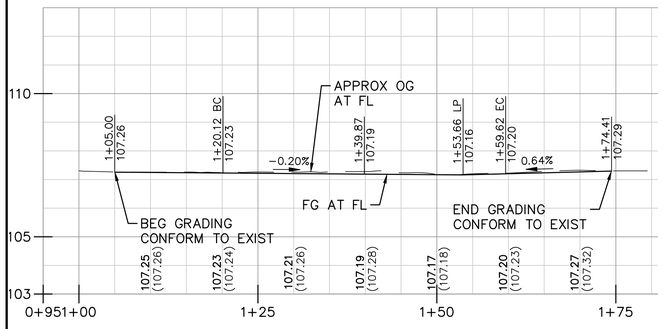
NOTES:

1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE SHEET L-30.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L-30.



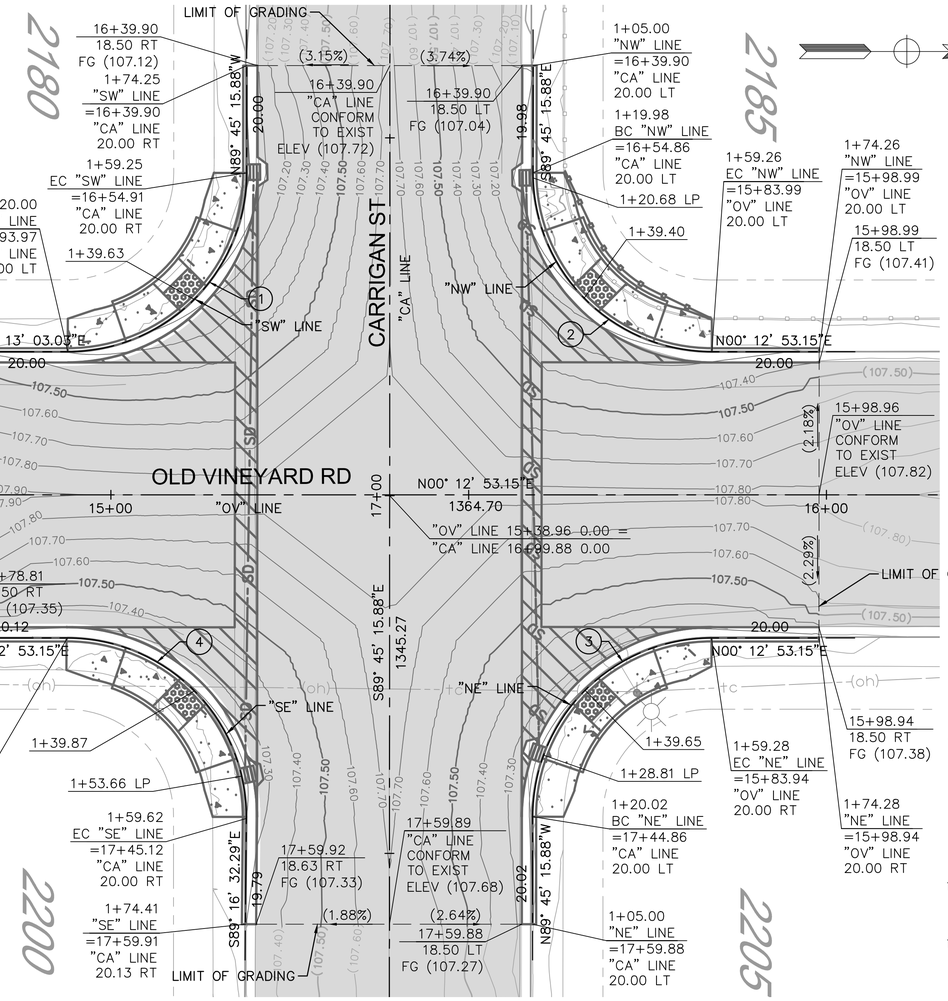
SW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

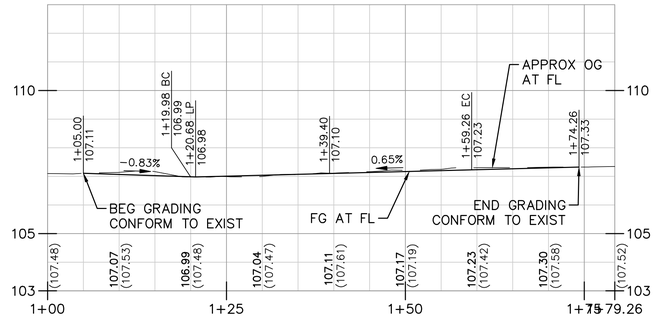


SE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

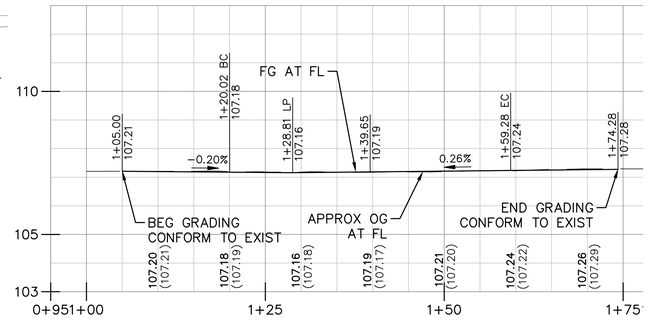


CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	25.00'	089°58'18.91"	24.99'	39.25'
2	25.00'	090°01'50.97"	25.01'	39.28'
3	25.00'	089°58'09.03"	24.99'	39.26'
4	25.00'	090°30'34.57"	25.22'	39.50'



NW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



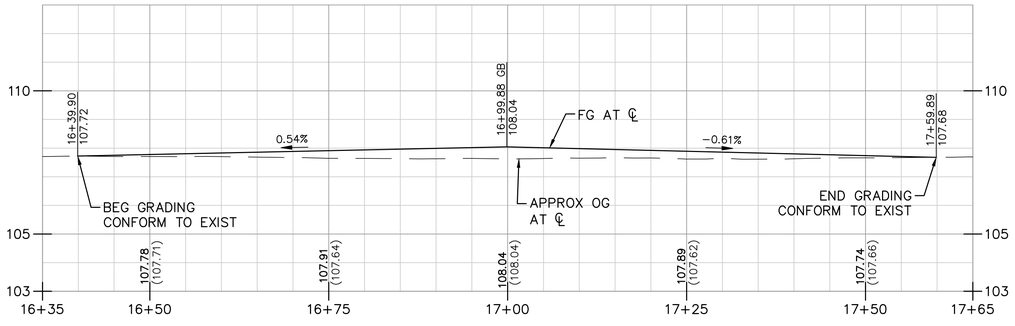
NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

23 / L-30

OLD VINEYARD RD AND CARRIGAN ST INTERSECTION DETAIL

1" = 10'



CARRIGAN ST PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — SULAIMAN ARAIN — No. C78364 — Exp. 9/30/2023 — CIVIL — STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

CONSTRUCTION DETAILS
INTERSECTION GRADING

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	D. VAGHEFI
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

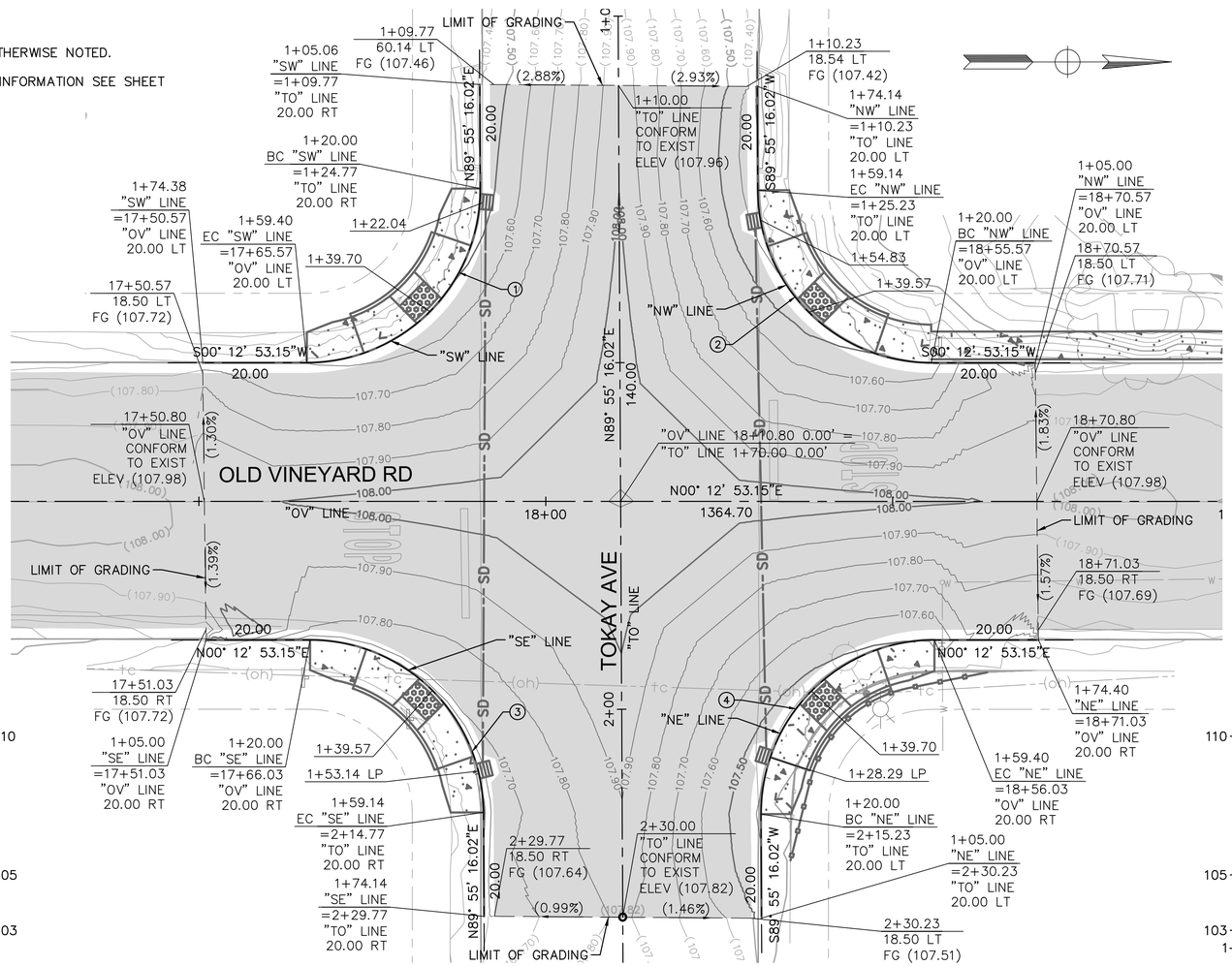
DRAWING No. CD-39
SHEET: 160 OF 169

22-001-P1-10-CD-39.dwg
10/27/2022 9:18:31 PM

NOTES:

1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE SHEET L–31.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–31.

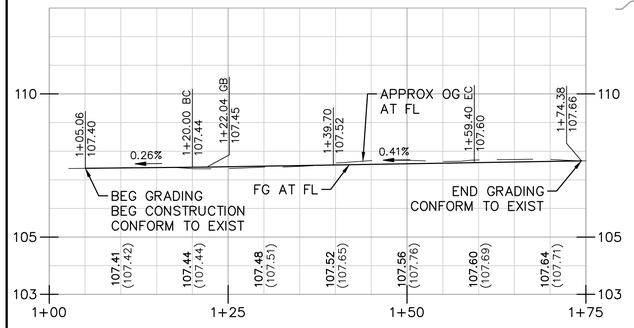
CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	25.00'	90°17'37.13"	25.13'	39.40'
2	25.00'	89°42'22.87"	24.87'	39.14'
3	25.00'	89°42'22.87"	24.87'	39.14'
4	25.00'	90°17'37.13"	25.13'	39.40'



24
L–31

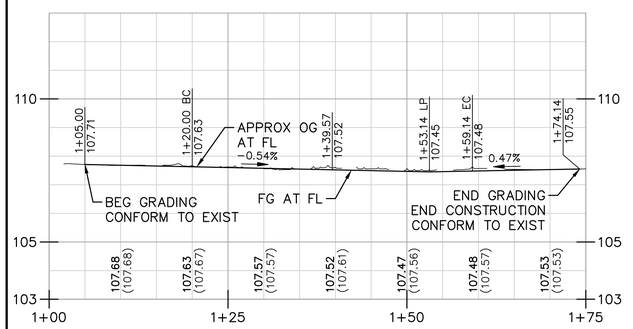
OLD VINEYARD RD AND TOKAY AVE INTERSECTION DETAIL

1" = 10'



SW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

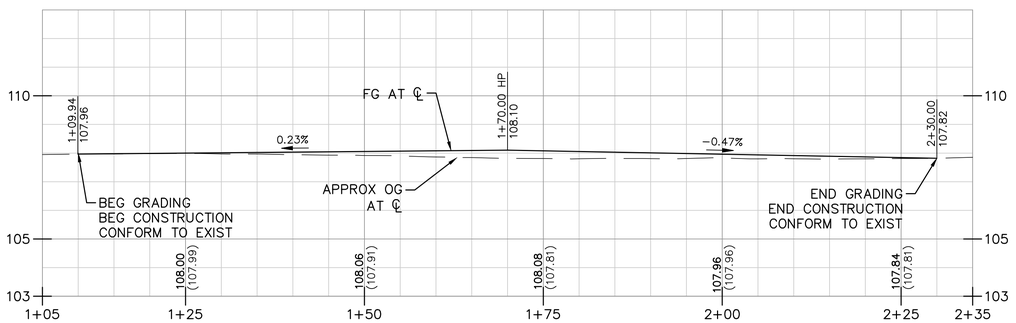


NW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

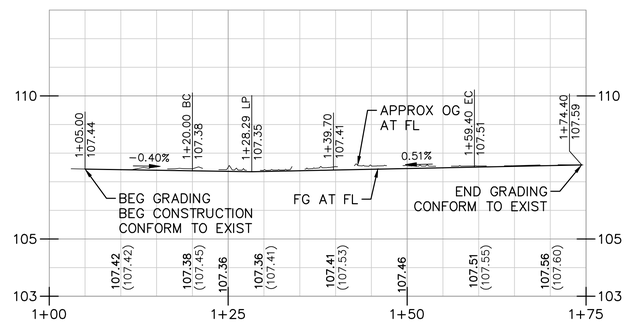
SE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



TOKAY AVE PROFILE

Horiz 1"=10'
Vert 4:1



NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker
INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS
INTERSECTION GRADING

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/2" 1/4" 3/4" 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	D. VAGHEFI
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-40

SHEET: 161 OF 169

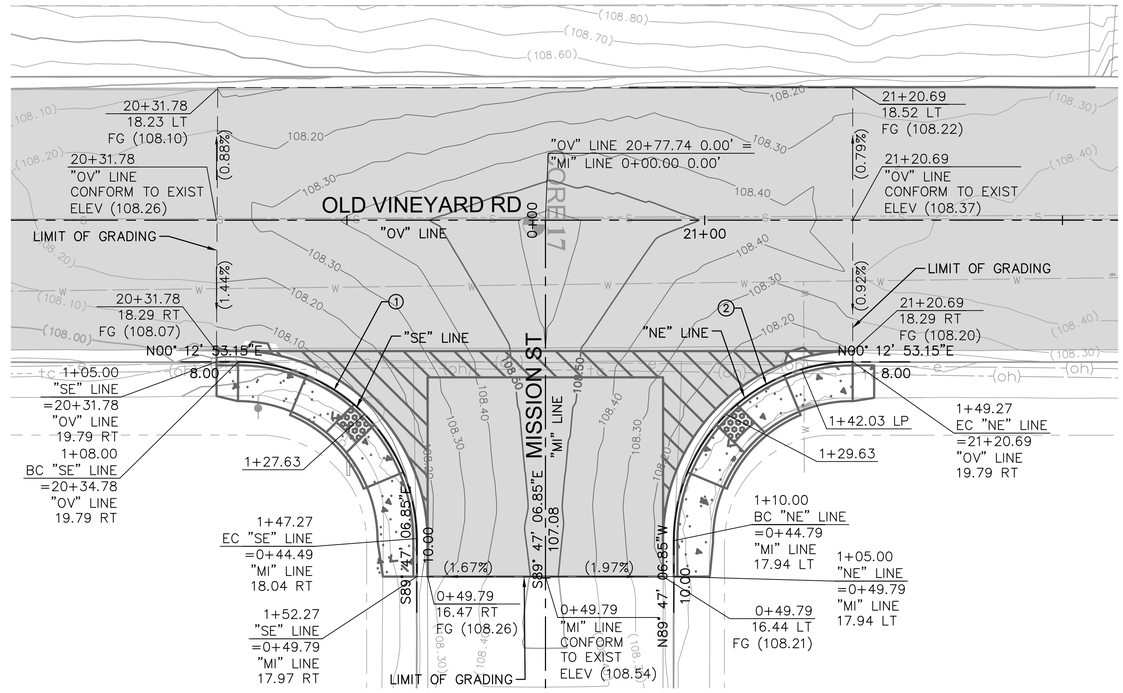
22-001-P1-10-CD-40.dwg

10/28/2022 12:32:07 PM

NOTES:

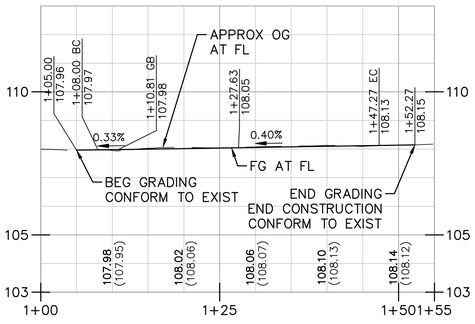
1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE SHEET L–31.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–31.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	25.00'	090°00'00.00"	25.00'	39.97'
2	25.00'	090°00'00.00"	25.00'	39.26'



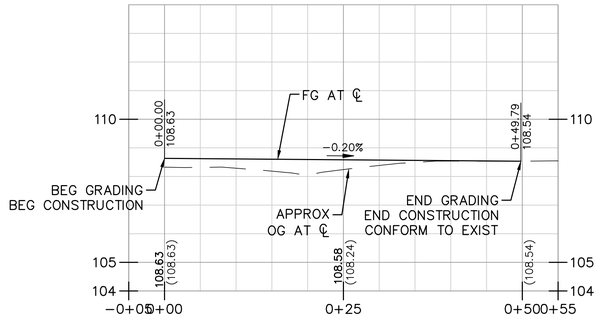
25 / L–31 OLD VINEYARD RD AND MISSION ST INTERSECTION DETAIL

1" = 10'



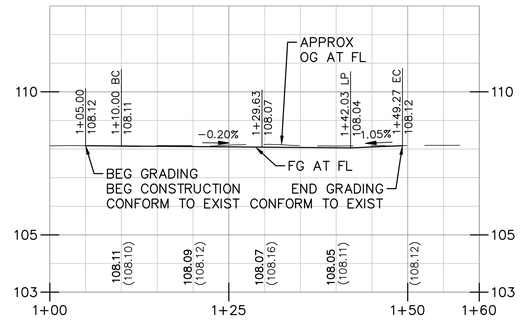
SE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



MISSION ST PROFILE

Horiz 1"=10'
Vert 4:1



NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4;1

22-001-P1-10-CD-41.dwg

10/28/2022 12:50:44 PM

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS INTERSECTION GRADING

CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	A. FRONING
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

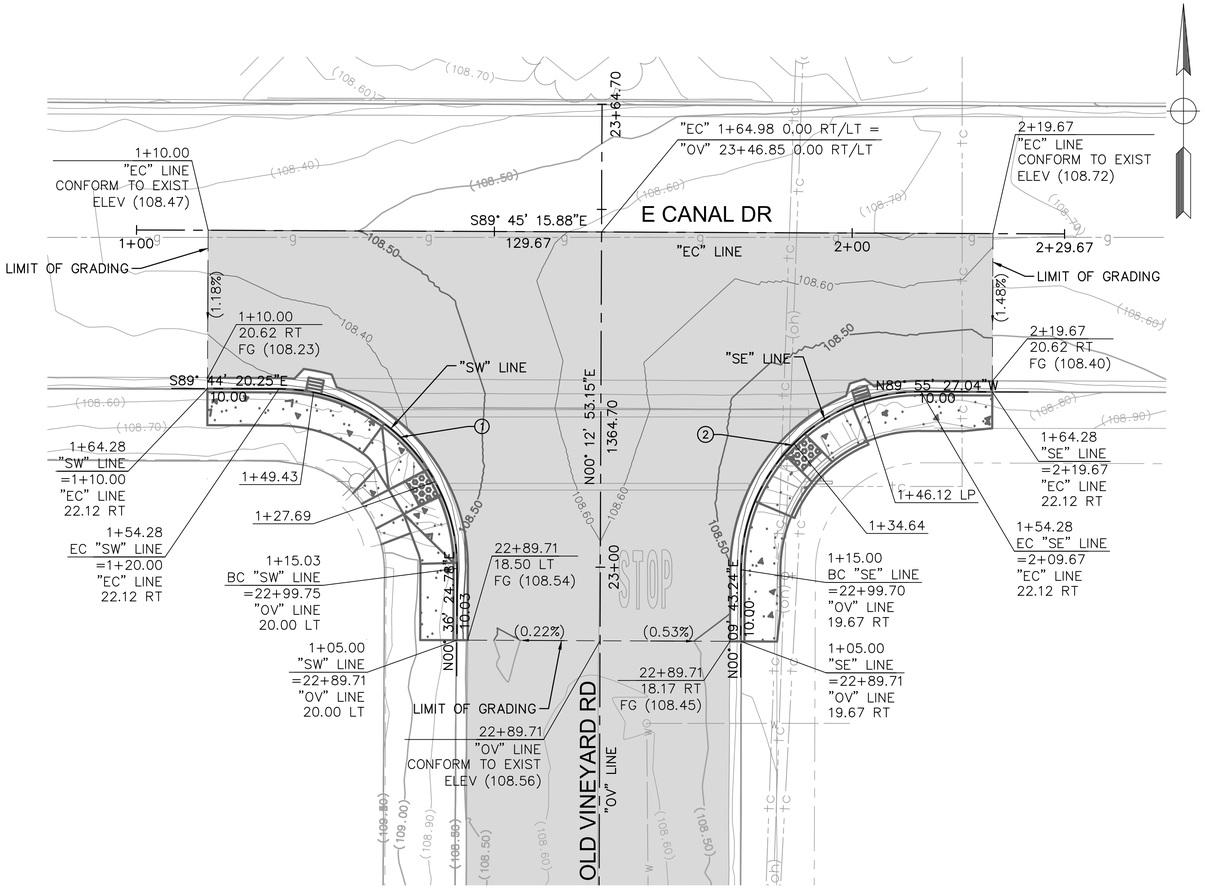
DRAWING No. CD-41

SHEET: 162 OF 169

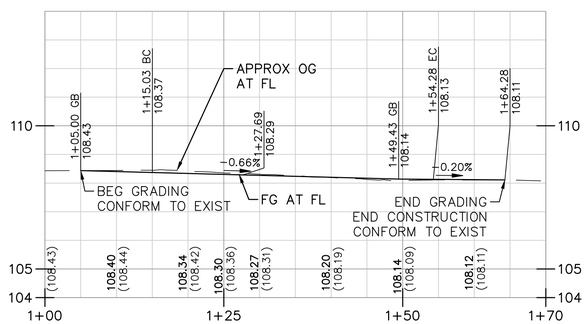
NOTES:

1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE SHEET L-31.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L-31.

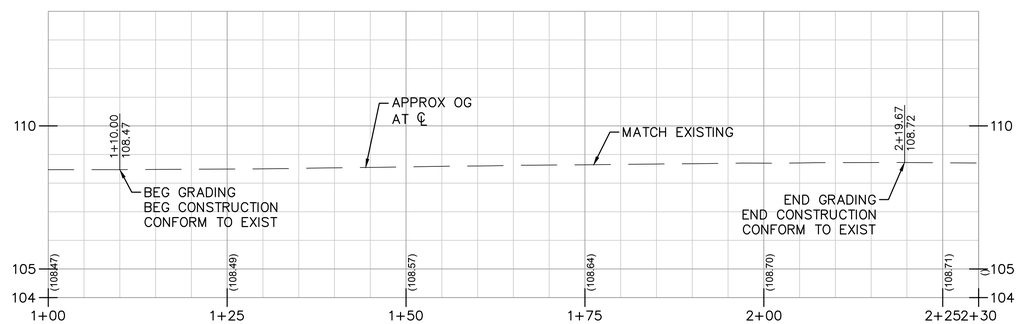
CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	25.00'	89°58'09.03"	24.99'	39.25'
2	25.00'	90°01'50.97"	25.01'	39.28'



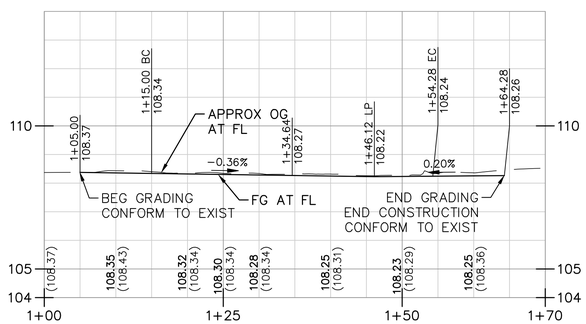
26 / L-31 OLD VINEYARD RD AND E CANAL DRIVE INTERSECTION DETAIL
1" = 10'



SW CURB RETURN PROFILE
Horiz 1"=10'
Vert 4:1



E CANAL ST PROFILE
Horiz 1"=10'
Vert 4:1



SE CURB RETURN PROFILE
Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

CONSTRUCTION DETAILS INTERSECTION GRADING

CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 — 1/4" — 3/4" — 1" — 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. DRAGO
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

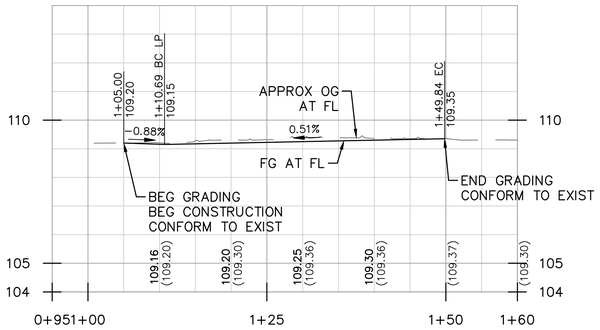
DRAWING No. CD-42
SHEET: 163 OF 169

22-001-P1-10-CD-42.dwg
10/28/2022 12:35:37 PM

NOTES:

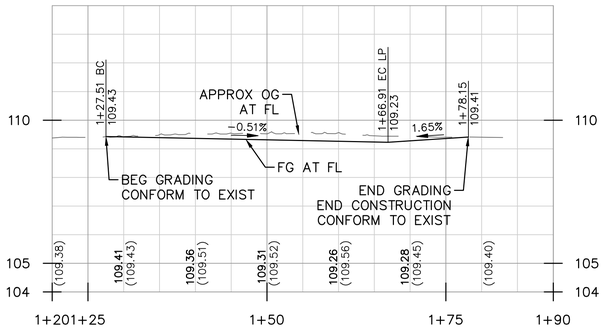
1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB AND GUTTER, SIDEWALK, AND CURB RAMP LAYOUT INFORMATION SEE L–33.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–33.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	25.00	089°42'17.77"	24.87	39.14
2	25.00	090°17'42.23"	25.13	39.40
3	25.00	089°42'17.77"	24.87	39.14
4	25.00	090°17'42.23"	25.13	39.40



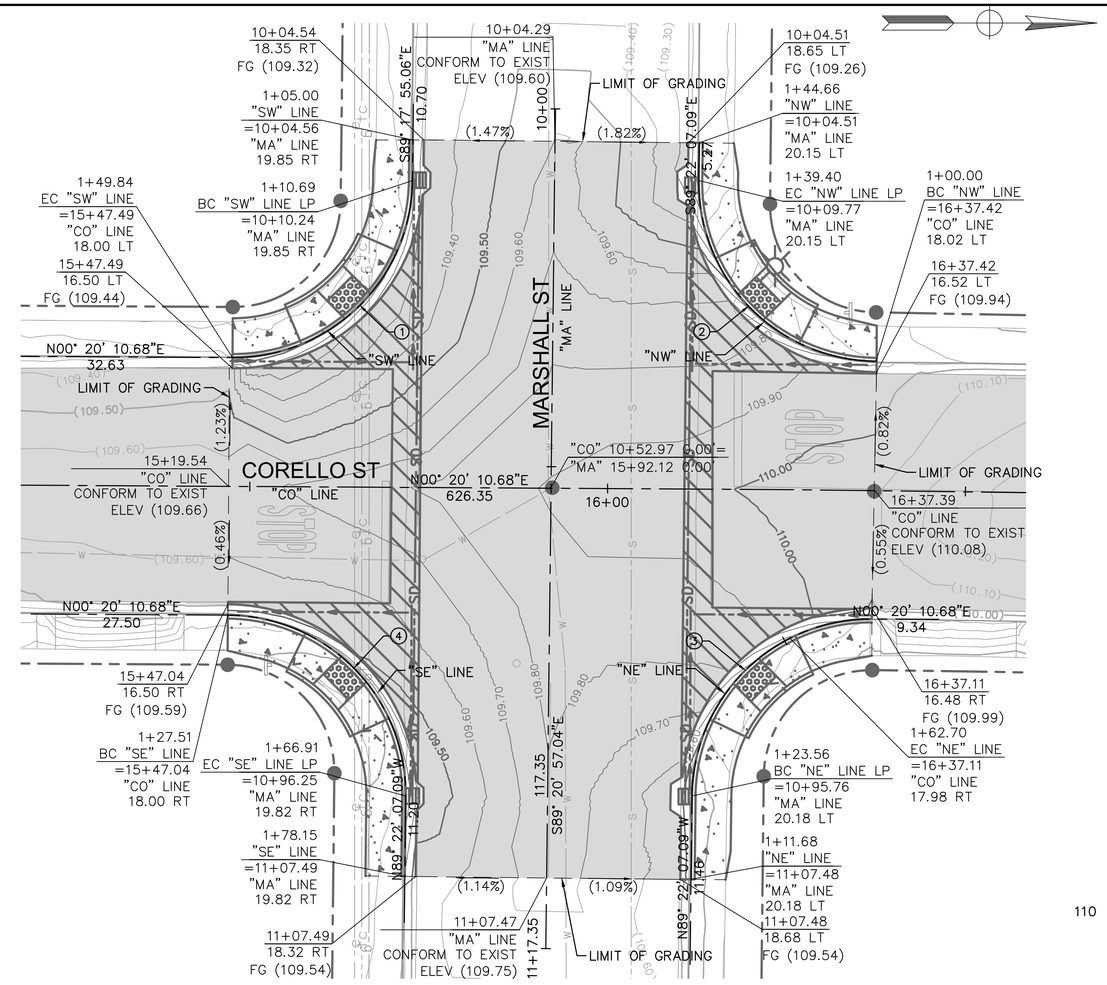
SW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



SE CURB RETURN PROFILE

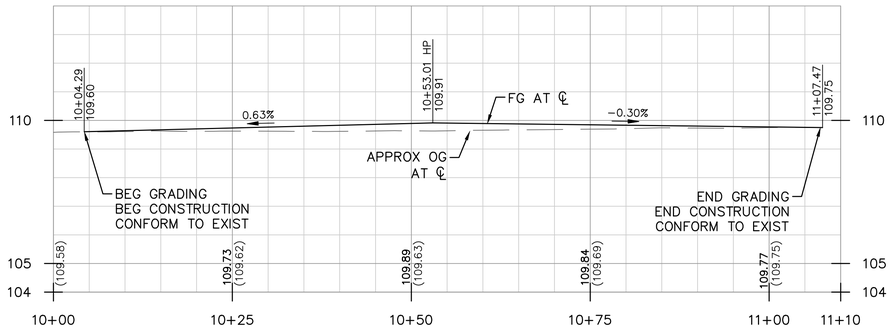
Horiz 1"=10'
Vert 4:1



27
L–33

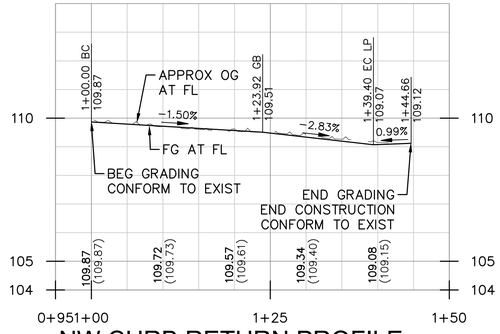
CORELLO ST AND E MARSHALL ST INTERSECTION DETAIL

1" = 10'



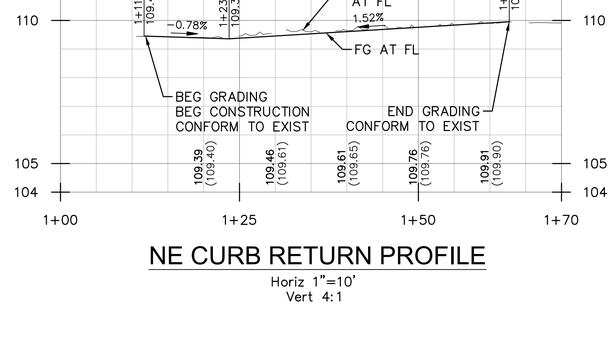
MARSHALL ST CL PROFILE

Horiz 1"=10'
Vert 4:1



NW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS
INTERSECTION GRADING

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

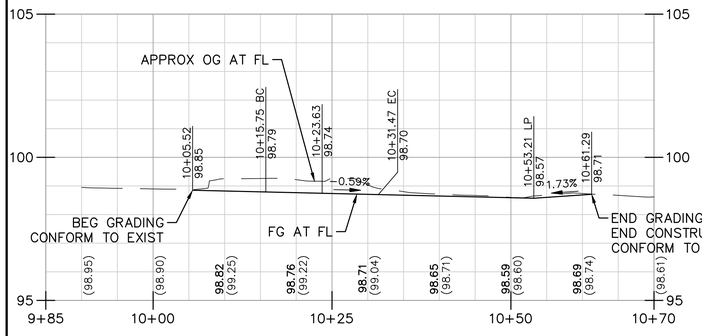
DRAWING No. CD-43
SHEET: 164 OF 169

22-001-P1-10-CD-43.dwg
10/27/2022 9:24:37 PM

NOTES:

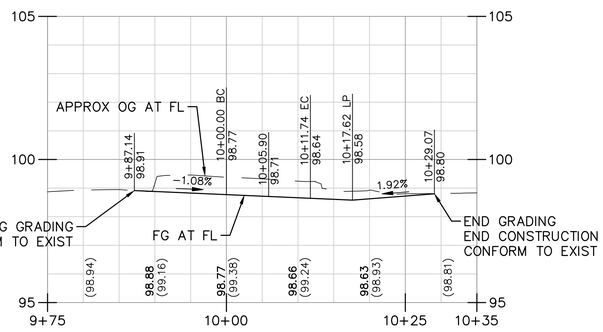
1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB RAMP LAYOUT INFORMATION SEE SHEET L–06.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L–06.

CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	10.00'	90°03'59.79"	10.01'	15.72'
2	12.00'	90°41'43.36"	12.15'	19.00'
3	7.50'	89°42'12.26"	7.46'	11.74'
4	7.50'	89°42'12.26"	7.46'	11.74'



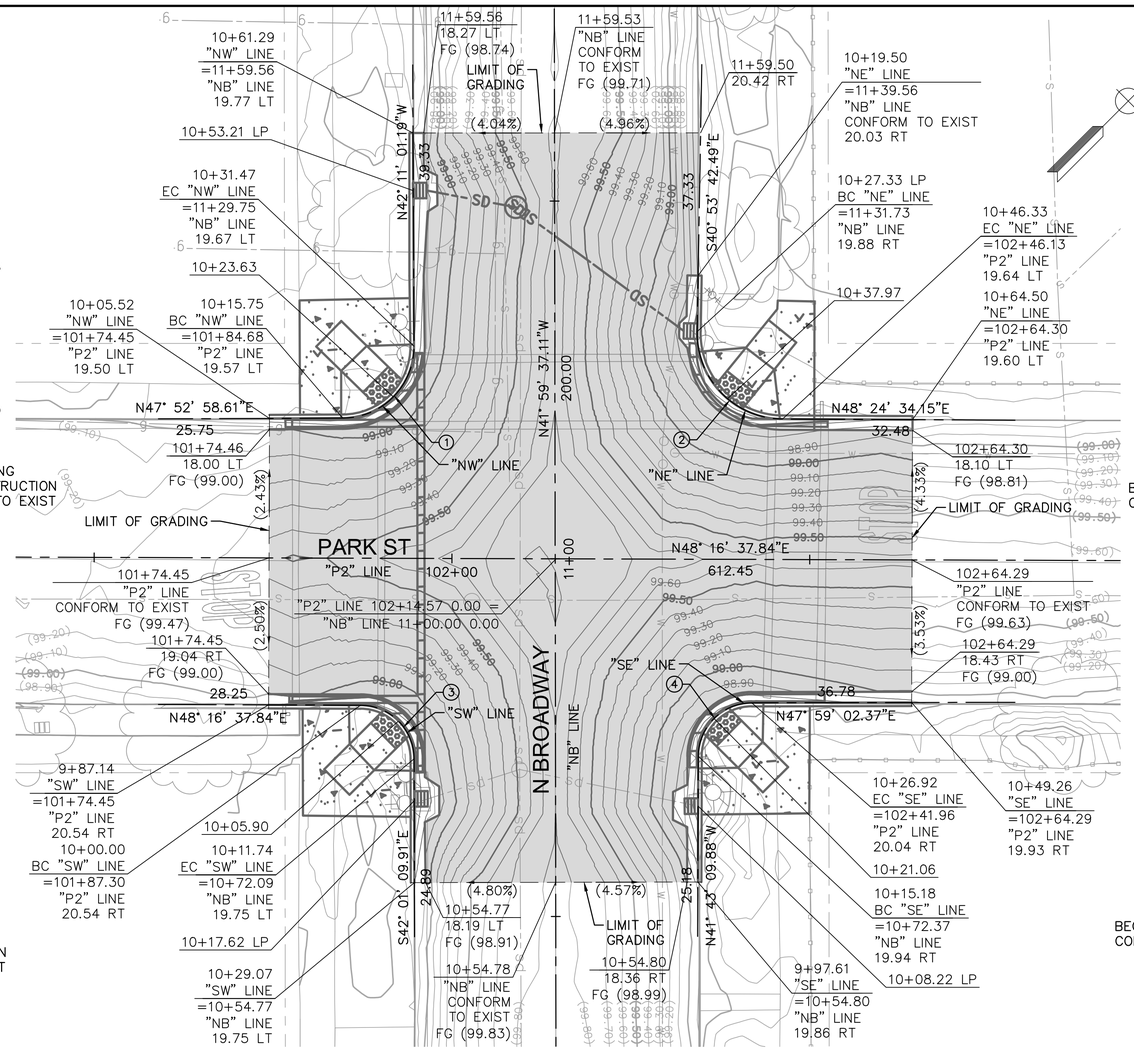
NW CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



SW CURB RETURN PROFILE

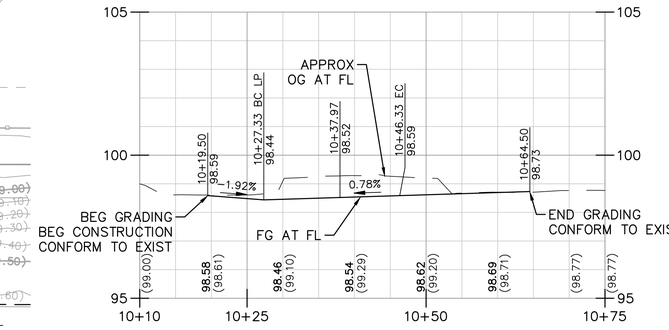
Horiz 1"=10'
Vert 4:1



2 L–06

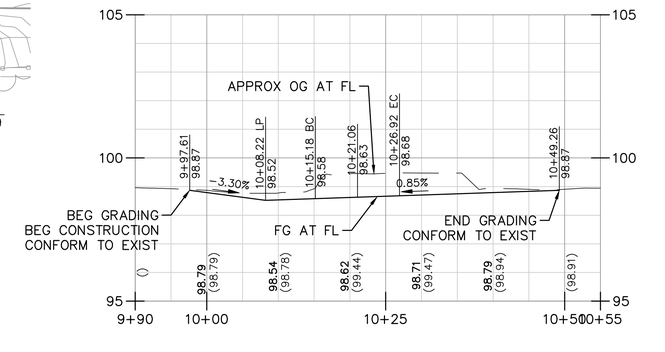
PARK ST AND N BROADWAY INTERSECTION DETAIL

1" = 10'



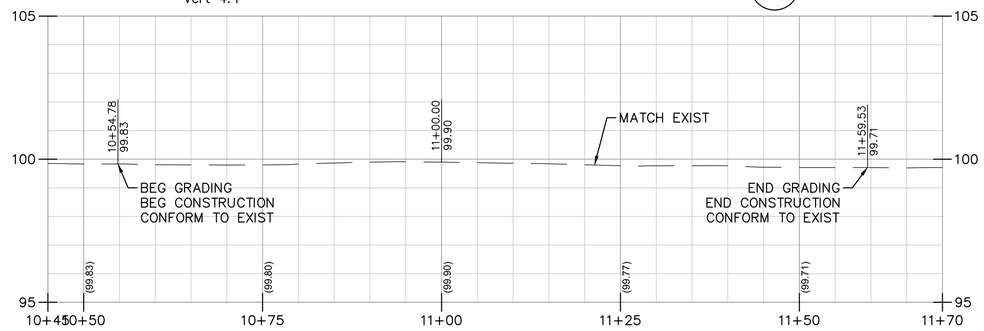
NE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



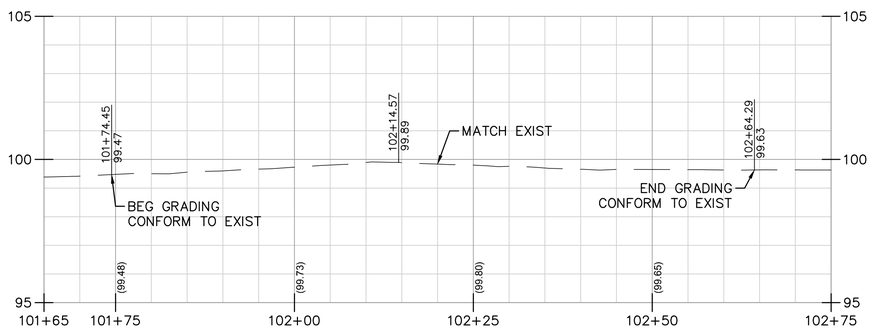
SE CURB RETURN PROFILE

Horiz 1"=10'
Vert 4:1



N BROADWAY CL PROFILE

Horiz 1"=10'
Vert 4:1



PARK ST CL PROFILE

Horiz 1"=10'
Vert 4:1

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

CONSTRUCTION DETAILS INTERSECTION GRADING

CAPITAL PROJECT No. 22-001 CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. DRAGO
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-44

SHEET: 165 OF 169

22-001-P1-10-CD-44.dwg

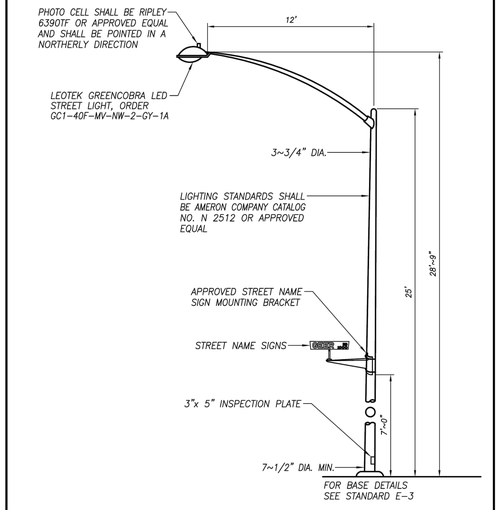
10/28/2022 3:18:30 PM

NOTES:

1. CONTACT T.I.D. PRIOR TO ENTERING UNDERGROUND SERVICE BOX OR PRIOR TO ATTACHING ANY MATERIAL TO T.I.D. POLES.
2. T.I.D. WILL COMPLETE CONNECTION OF 120V CIRCUIT UPON RECEIPT OF SIGNED APPLICATION FOR SERVICE FROM THE CITY OF TURLOCK.
3. MINIMUM CONDUIT COVER:
   24" BELOW CURB GRADE WITHIN THE PUBLIC RIGHT-OF-WAY.
   30" BELOW FINISH PROPERTY ELEVATION WITHIN PUBLIC UTILITY EASEMENT.
4. MAINTAIN 36" CLEARANCE IN FRONT OF INSPECTION PLATE.
5. WHERE ORNAMENTAL STREET LIGHTING IS USED IN LIEU OF THE CITY'S STANDARD STREET LIGHTING SYSTEM, ORNAMENTAL STREET LIGHT LUMINAIRES SHALL BE 55 WATT, PER CITY STANDARD DRAWING E-4.
6. ORNAMENTAL STREET LIGHTING IS NOT ALLOWED ON ARTERIAL STREETS OR AT INTERSECTIONS.
7. WHEN POLE LOCATIONS CONFLICT WITH A FIRE HYDRANT, CURB RAMP OR OTHER EXISTING OR PROPOSED FACILITY, PLACE AS DIRECTED BY THE CITY ENGINEER.
8. INSTALL IDENTIFICATION NUMBERS AS DIRECTED BY THE ENGINEER.

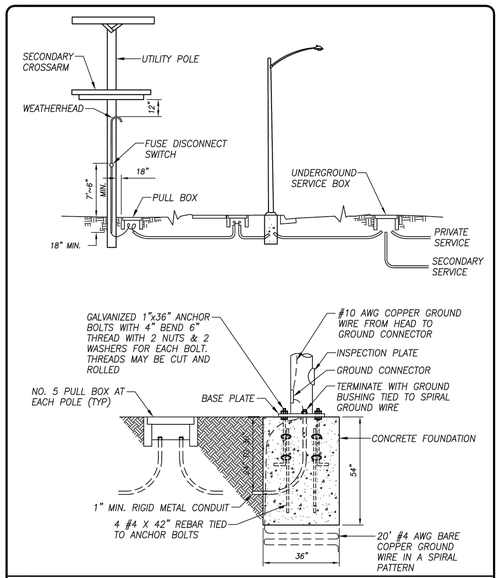
STREET LIGHT NOTES

DRAWN BY: JSH	CITY OF TURLOCK	DRAWING NO.
CHECK BY: NBB	APPROVED BY:	E-1
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694	COUNCIL APPROVAL DEC, 2015



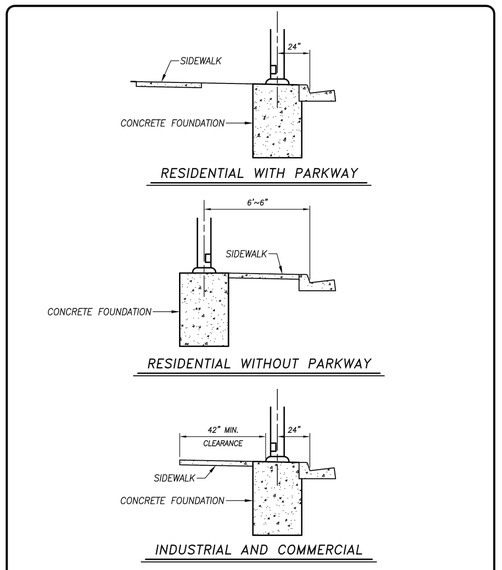
STREET LIGHT

DRAWN BY: JSH	CITY OF TURLOCK	DRAWING NO.
CHECK BY: NBB	APPROVED BY:	E-2
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694	COUNCIL APPROVAL DEC, 2015



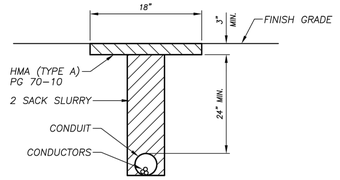
STREET LIGHT BASE AND CONDUIT RUN

DRAWN BY: JSH	CITY OF TURLOCK	DRAWING NO.
CHECK BY: NBB	APPROVED BY:	E-3
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694	COUNCIL APPROVAL DEC, 2015



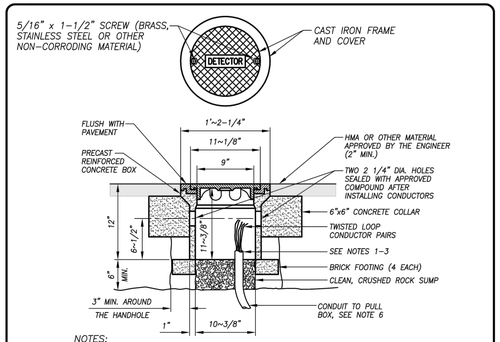
TYPICAL STREET LIGHT LOCATIONS

DRAWN BY: JSH	CITY OF TURLOCK	DRAWING NO.
CHECK BY: NBB	APPROVED BY:	E-5
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694	COUNCIL APPROVAL DEC, 2015



CONDUIT TRENCH DETAIL

DRAWN BY: JSH	CITY OF TURLOCK	DRAWING NO.
CHECK BY: NBB	APPROVED BY:	E-11
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694	COUNCIL APPROVAL DEC, 2015

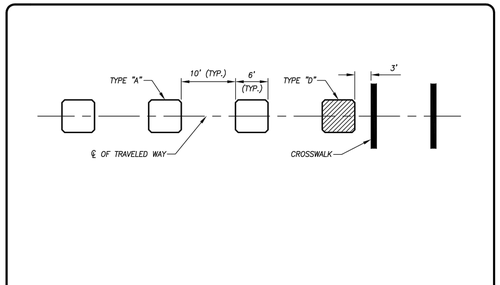


NOTES:

1. BUSHING SHALL BE USED AT END OF CONDUIT
2. TAPE DETECTOR CONDUCTORS OR CABLES 3" EACH SIDE OF BUSHINGS
3. INSTALL DUCT SEAL COMPOUND TO EACH END OF TERMINATION CONDUIT BEFORE INSTALLING SEALANT
4. ROUND ALL SHARP EDGES WHERE DETECTOR CONDUCTORS OR CABLES HAVE TO PASS
5. END OF CONDUIT SHALL BE 3-1/8" BELOW ROADWAY SURFACE
6. CONDUIT SIZE SHALL BE 2" MINIMUM
7. SPLICE DETECTOR CONDUCTORS OR CABLES TO LEAD-IN-CABLE AT PULL BOX, RUN TO CONTROLLER CABINET
8. LOCATION OF DETECTOR HANDHOLE ON LANE LINE UNLESS OTHERWISE NOTED
9. CONDUIT SHALL HAVE 24" COVER

DETECTOR HANDHOLE DETAIL

DRAWN BY: JSH	CITY OF TURLOCK	DRAWING NO.
CHECK BY: NBB	APPROVED BY:	E-12
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694	COUNCIL APPROVAL DEC, 2015



TYPICAL LOOP DETECTOR SPACING

DRAWN BY: JSH	CITY OF TURLOCK	DRAWING NO.
CHECK BY: NBB	APPROVED BY:	E-13
SCALE: NONE	CITY ENGINEER – MICHAEL G. PITCOCK – RCE 52694	COUNCIL APPROVAL DEC, 2015

NOT TO SCALE

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

CONSTRUCTION DETAILS

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	R. LIM
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. CD-45

SHEET: 166 OF 169

22-001-P1-10-CD-45.dwg

10/26/2022 4:52:53 PM

PAVEMENT QUANTITIES

SHEET ID	REMOVE AC PAVEMENT AND BASE	REMOVE CONCRETE PAVEMENT	PAVEMENT GRIND (COLD PLANE METHOD)	HOT MIX ASPHALT (TYPE A)	AGGREGATE BASE
	CY	CY	SY	TON	CY
L–01	11	–	5057	604	–
L–02	11	–	5187	618	–
L–03	136	–	1247	420	134
L–04	594	–	49	1211	–
L–05	111	–	4776	897	–
L–06	121	–	3904	797	109
L–07	36	–	5241	815	–
L–08	208	–	4332	1033	164
L–09	197	–	3998	964	143
L–10	124	–	5727	1060	89
L–11	24	–	1436	219	4
L–12	318	–	2835	1046	290
L–13	40	–	5086	926	–
L–14	109	–	1469	284	61
L–15	6	–	2935	258	–
L–16	23	–	5241	481	–
L–17	18	–	4937	586	12
L–18	322	–	–	654	37
L–19	237	–	–	481	–
L–20	419	–	–	850	258
L–21	378	–	–	768	133
L–22	420	–	–	852	260
L–23	282	–	–	570	278
L–24	281	–	–	570	277
L–25	678	375	3473	1769	633
L–26	305	147	5547	1336	227
L–27	138	–	8022	1410	114
L–28	5	–	4305	618	–
L–29	11	–	7884	689	–
L–30	511	–	–	826	399
L–31	512	–	–	826	399
L–32	254	–	–	514	–
L–33	332	–	–	674	114
L–34	229	–	–	466	–
TOTAL	7400	522	92686	26092	4134

CONCRETE QUANTITIES

SHEET ID	REMOVE EXIST CURB AND GUTTER	REMOVE EXIST DRIVEWAY/SIDEWALK	REMOVE EXIST VALLEY GUTTER	MINOR CONCRETE (CURB AND GUTTER C–1)	MINOR CONCRETE (CURB AND GUTTER TYPE B2–4 A87A)	MINOR CONCRETE (CURB AND GUTTER TYPE E A87A)	MINOR CONCRETE (SIDEWALK AND FLATWORK C–3)	MINOR CONCRETE (RESIDENTIAL DRIVEWAY C–5)	MINOR CONCRETE (ALLEY APPROACH C–7)	MINOR CONCRETE (COMMERCIAL DRIVEWAY C–8)	MINOR CONCRETE (VALLEY GUTTER)
	LF	SF	SF	LF	LF	LF	SF	SF	SF	SF	SF
L–01	215	480	–	97	–	–	356	244	–	–	–
L–02	212	534	–	101	–	–	397	528	–	–	–
L–03	259	887	167	220	–	–	982	332	–	–	–
L–04	637	1971	–	496	–	–	1137	1225	–	–	–
L–05	1748	3697	–	1342	–	–	4045	2880	–	–	–
L–06	377	890	–	318	–	–	1719	250	–	–	–
L–07	536	1377	–	475	–	–	1383	459	–	–	–
L–08	936	564	–	598	335	–	2398	439	–	–	–
L–09	1120	2913	–	1286	–	–	3307	1062	100	–	576
L–10	530	1779	152	574	–	–	2786	587	218	–	–
L–11	133	537	–	275	50	–	1748	297	–	–	–
L–12	1164	2185	–	1133	–	–	3127	325	254	–	–
L–13	585	1753	–	585	–	–	1348	1006	–	–	–
L–14	273	478	–	273	–	–	458	–	–	–	–
L–15	–	–	–	–	91	–	–	–	–	–	–
L–16	285	1350	–	283	–	–	1696	259	–	230	–
L–17	227	1170	237	227	–	–	1098	–	–	236	337
L–18	980	733	71	878	–	–	358	714	–	–	–
L–19	65	271	–	65	–	–	302	–	–	–	–
L–20	414	1735	667	414	–	–	2217	–	–	–	–
L–21	329	1363	224	329	–	–	2007	–	–	–	–
L–22	402	1758	451	402	–	–	1939	–	–	–	–
L–23	59	290	–	59	–	–	290	–	–	–	–
L–24	59	289	–	59	–	–	289	–	–	–	–
L–25	4505	3969	–	1287	–	–	4573	333	–	1783	–
L–26	692	1812	–	692	–	423	2783	1028	171	–	–
L–27	448	1757	–	727	–	–	2878	323	–	–	–
L–28	79	419	–	79	–	–	465	–	–	–	–
L–29	158	1044	–	158	–	–	1144	–	–	–	–
L–30	601	2642	1867	601	–	–	1757	884	–	–	–
L–31	602	2642	1868	602	–	–	1758	885	–	–	–
L–32	70	271	–	70	–	–	313	–	–	–	–
L–33	407	1682	538	373	–	–	1549	175	328	–	–
L–34	93	369	–	93	–	–	428	–	–	–	–
TOTAL	19200	45611	6242	15171	476	423	53035	14235	1071	2249	913

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

SUMMARY OF QUANTITIES

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 0 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. Q-01
SHEET: 167 OF 169

22–001–P1–12–Q–01.dwg
10/28/2022 7:05:10 PM

STRIPING QUANTITIES

SHEET ID	THERMOPLASTIC STRIPING (DETAIL 1)	THERMOPLASTIC STRIPING (DETAIL 8)	THERMOPLASTIC STRIPING (DETAIL 22)	THERMOPLASTIC STRIPING (DETAIL 27B)	THERMOPLASTIC STRIPING (DETAIL 38)	THERMOPLASTIC STRIPING (DETAIL 38A)	THERMOPLASTIC STRIPING (DETAIL 39)	THERMOPLASTIC STRIPING (CHEVRON, 12" WIDE)	THERMOPLASTIC STRIPING (DETAIL 12" STOP BAR)	THERMOPLASTIC STRIPING (24" STOP BAR)	THERMOPLASTIC PAVEMENT MARKINGS (WHITE CROSSWALK)	THERMOPLASTIC PAVEMENT MARKINGS (YELLOW CROSSWALK)	THERMOPLASTIC PAVEMENT MARKINGS (WHITE)	PAVEMENT MARKER (TYPE BB)	PAINT EXISTING CURB
	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	SF	SF0	SF	EA	LF
SS-01 TO SS-02	2438	0	384	0	0	0	0	0	128	0	855	0	132	5	218
SS-03 TO SS-04	2357	0	689	0	0	0	0	0	192	0	865	0	233	11	234
SS-05 TO SS-06	2086	0	1084	0	0	0	0	0	230	0	796	463	286	10	264
SS-07	309	0	78	0	0	0	0	0	131	88	0	802	338	4	141
SS-08	478	0	284	0	0	0	0	0	122	0	792	0	110	4	44
SS-09	0	0	34	0	0	0	0	0	146	117	1831	0	278	6	80
SS-10	2311	0	100	0	0	0	0	0	45	0	1158	0	109	6	141
SS-11	1013	0	140	0	0	0	0	0	19	0	720	0	172	2	125
SS-12 TO SS-13	1285	38	1336	0	0	0	19	0	76	0	487	0	95	6	155
SS-14	967	0	200	0	0	0	0	0	39	0	0	548	44	1	87
SS-15 TO SS-17	3303	0	1801	1440	452	33	0	134	524	0	4471	0	751	22	474
SS-18	583	0	588	0	0	0	0	0	78	0	286	0	88	7	51
SS-19	904	0	516	0	0	0	0	0	36	0	0	0	44	3	69
TOTAL	18034	38	7234	1440	452	33	19	134	1764	205	12261	1813	2680	87	2083

UTILITY QUANTITIES

SHEET ID	ADJUST SDMH RIM TO GRADE	ADJUST SSMH RIM TO GRADE	ADJUST WATER VALVE TO GRADE	ADJUST GV BOX TO GRADE	ADJUST COMMUNICATION BOX TO GRADE	ADJUST SURVEY MONUMENT TO GRADE
	EA	EA	EA	EA	EA	EA
L-01 TO L-03	0	7	3	0	0	0
L-04 TO L-06	1	13	11	4	0	0
L-07 TO L-09	1	14	24	1	0	0
L-10 TO L-11	0	8	16	2	3	0
L-12	0	4	11	0	0	0
L-13 TO L-14	0	1	9	0	1	2
L-15 TO L-16	10	10	17	1	0	0
L-17	0	3	11	0	1	0
L-18 TO L-22	2	9	9	0	0	3
L-23 TO L-24	0	0	0	0	0	0
L-25 TO L-29	15	19	44	0	1	0
L-30 TO L-31	0	5	3	0	0	0
L-32 TO L-34	0	2	7	0	0	6
TOTAL	29	95	165	8	6	11

SIGNAGE QUANTITIES

SHEET ID	REMOVE EXISTING SIGN PANEL	REMOVE EXISTING SIGN POST AND PANELS	RELOCATE EXISTING SIGN POST AND PANELS	RESET EXISTING SIGN PANEL	INSTALL SIGN POST	INSTALL SIGN PANEL (STREET NAME 36"X9")	INSTALL SIGN PANEL (STREET NAME 42"X9")	INSTALL SIGN PANEL (STREET NAME 48"X9")	INSTALL SIGN PANEL (R1-1)	INSTALL SIGN PANEL (R1-3P)	INSTALL SIGN PANEL (R2-1)	INSTALL SIGN PANEL (W10-1)	INSTALL SIGN PANEL (W48(CA))	INSTALL SIGN PANEL (R15-2P)
	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
SS-01 TO SS-02	0	3	0	1	0	8	0	2	0	0	0	0	0	0
SS-03 TO SS-04	6	2	2	4	5	10	0	4	1	1	1	0	0	0
SS-05 TO SS-06	2	5	6	16	6	12	2	4	0	0	0	0	0	0
SS-07	6	4	5	3	7	15	0	1	1	0	0	2	0	0
SS-08	0	3	1	1	5	0	10	0	2	0	0	0	0	0
SS-09	4	0	0	4	4	6	2	0	0	0	0	2	2	2
SS-10	0	1	2	0	0	0	0	2	0	0	0	0	0	0
SS-11	0	1	4	3	0	0	0	0	0	0	0	0	0	0
SS-12 TO SS-13	2	6	2	2	5	3	5	12	0	0	0	0	0	0
SS-14	2	1	0	0	0	0	2	2	0	0	0	0	0	0
SS-15 TO SS-17	2	3	5	20	9	15	2	1	0	3	0	0	0	0
SS-18	0	5	2	9	4	2	0	8	0	0	0	0	0	0
SS-19	0	2	0	10	2	1	0	1	0	0	0	0	0	0
TOTAL	24	36	29	73	47	72	23	37	4	4	1	4	2	2

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906-1460

CITY OF TURLOCK INC. 1908

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668-5520

SUMMARY OF QUANTITIES

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION
AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2" 0
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. Q-02
SHEET: 168 OF 169

22-001-P1-12-Q-02.dwg
10/28/2022 7:05:18 PM

DRAINAGE–QUANTITIES

SHEET ID	REMOVE EXIST CATCH BASIN	STORM DRAIN MANHOLE (48")	STORM DRAIN MANHOLE (60")	STORM DRAIN CATCH BASIN SD-1	STORM DRAIN PIPE (6" PVC)	STORM DRAIN PIPE (10" PVC)	STORM DRAIN PIPE (12" RCP)	STORM DRAIN PIPE (18" RCP)	CONNECT TO EXIST STORM DRAIN MANHOLE
	EA	EA	EA	EA	LF	LF	LF	LF	EA
DU–01	1	–	1	3	–	–	–	38	–
DU–02	2	–	–	2	–	–	–	–	–
DU–03	4	–	1	6	–	–	–	44	–
DU–04	4	–		4	–	–	–	–	–
DU–05	–	–	1	6	–	–	140	40	–
DU–06	2	–	–	4	–	–	66	–	–
DU–07	1	–	–	1	–	–	–	238	–
DU–08	–	–	–	8	–	–	76	–	–
DU–09	2	–	–	3	–	–	38	–	–
DU–10	1	–	–	5	–	–	110	–	–
DU–11	2	–	–	2	–	–	–	–	–
DU–12	–	–	–	6	–	–	214	–	–
DU–13	–	–	–	4	–	–	184	–	–
DU–14	–	–	–	4	–	–	196	–	–
DU–15	1	1	–	2	42	56	–	–	1
DU–16	–	–	–	4	–	–	456	–	–
DU–17	3	1	–	4	30	–	–	–	–
DU–18	–	–	1	3	–	–	114	24	–
DU–19	–	–	2	3	–	–	–	44	–
DU–20	–	–	–	6	–	–	242	–	–
DU–21	–	–	–	8	–	–	328	–	–
DU–22		–	–	4	–	–	154	–	–
DU–23	–	–	–	4	–	–	172	–	–
TOTAL	23	2	6	96	72	56	2490	428	1

FENCE QUANTITIES

SHEET ID	RESET FENCE (CHAINLINK)	RESET FENCE (WOOD)	RESET FENCE (WROUGHT IRON)
	LF	LF	LF
L–08	64	–	–
L–10	47	213	31
L–12	–	76	–
L–29	–	37	–
L–30	–	31	–
L–31	–	47	–
TOTAL	111	328	31

22–001–P1–12–Q–03.dwg

10/28/2022 9:30:25 PM

USA NORTH 811 Call 811 Before You Dig

NOTE:
ALL REFERENCES AND WRITTEN DIMENSIONS SHALL SUPERCEDE ALL SCALED DISTANCES AND SHALL BE VERIFIED IN THE FIELD. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SULAIMAN ARAIN P.E.
LICENSE No. C78364

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SULAIMAN ARAIN
No. C78364
Exp. 9/30/2023
CIVIL
STATE OF CALIFORNIA

Michael Baker INTERNATIONAL
500 YGNACIO VALLEY RD
SUITE 300
WALNUT CREEK, CA 94596
(925) 906–1460

CITY OF TURLOCK
PUBLIC WORKS
DEPARTMENT
ENGINEERING DIVISION
156 S. BROADWAY,
SUITE 150
(209) 668–5520

SUMMARY OF QUANTITIES

CAPITAL PROJECT No. 22-001
CITYWIDE STREET REHABILITATION AND IMPROVEMENT PROJECT

VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	J. MILLER
REV. BY:	
CH. BY:	S. ARAIN
DATE:	10/28/2022
SCALE:	AS SHOWN
MBI PROJECT No.	187020

DRAWING No. Q-03

SHEET: 169 OF 169