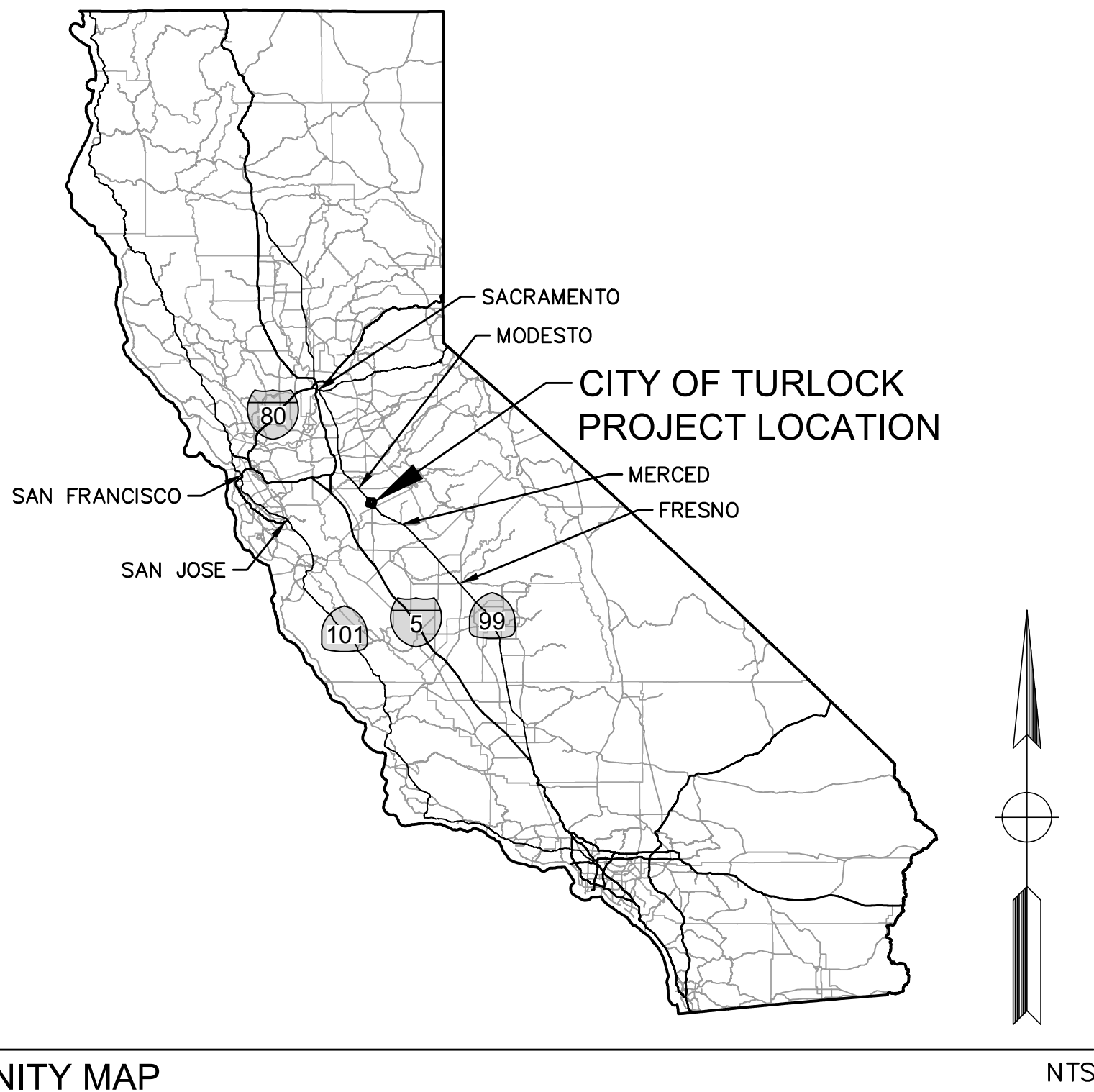


# CITY OF TURLOCK

## CAPITAL PROJECT No. 22-001

### CITYWIDE STREET RECONSTRUCTION AND IMPROVEMENT PROJECT

#### PACKAGE 3 FOSBERG ROAD



VICINITY MAP

NTS

#### CONTACTS

**CITY OF TURLOCK PUBLIC WORKS DEPARTMENT**  
(209) 668-5520, [engineering@turlock.ca.us](mailto:engineering@turlock.ca.us)

**CITY OF TURLOCK ELECTRICAL**  
(209) 678-5823 DOYLE PERRY, [dperry@turlock.ca.us](mailto:dperry@turlock.ca.us)

**CITY OF TURLOCK STORM AND SEWER**  
(209) 345-2169 CARLOS GUERRERO, [cguerrero@turlock.ca.us](mailto:cguerrero@turlock.ca.us)

**CITY OF TURLOCK WATER**  
(209) 740-3868 ORLANDO GUITERREZ, [ogutierrez@turlock.ca.us](mailto:ogutierrez@turlock.ca.us)

**TURLOCK IRRIGATION DISTRICT (ELECTRICAL)**  
(209) 605-0945 DAVID PORATH, [dnporath@tid.org](mailto:dnporath@tid.org)

**TURLOCK IRRIGATION DISTRICT (IRRIGATION)**  
(209) 535-1882 TODD TROGLIN, [trtroglin@tid.org](mailto:trtroglin@tid.org)

**CHARTER COMMUNICATIONS**  
(209) 633-3303 ABRAHAM ZAMORA, [abraham.zamora@charter.com](mailto:abraham.zamora@charter.com)

**PACIFIC GAS & ELECTRIC (GAS)**  
(209) 470-0697 DAVID LOOMIS, [d1lo@pge.com](mailto:d1lo@pge.com)

**AT&T**  
(209) 549-5847 SHARON DINNELL, [sd1568@att.com](mailto: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



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	X-01	TYPICAL CROSS SECTIONS
5	K-01	KEY MAP
6-9	L-01 - L-04	PLAN AND PROFILE
10	U-01	UTILITY PLAN
11-12	DU-01 - DU-02	DRAINAGE PLAN
13	DU-03	DRAINAGE DETAILS
14-15	TC-01 - TC-02	TRAFFIC CONTROL
16-17	TD-01 - TD-02	TRAFFIC DETOUR
18-19	SS-01 - SS-02	SIGNING AND STRIPING PLAN
20-24	CD-01 - CD-05	CONSTRUCTION DETAILS
25-28	CD-06 - CD-09	CONSTRUCTION DETAILS - INTERSECTION
29	Q-01	SUMMARY OF QUANTITIES


#### CIVIL IMPROVEMENT LIMITS

THE CITY OF TURLOCK'S FOSBERG ROAD REHABILITATION AND IMPROVEMENT PROJECT WILL IMPROVE THE EXISTING ROADWAY FROM E MONTE VISTA AVE TO E CHRISTOFFERSEN PKWY 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. DATE  
CONTRACT CITY ENGINEER 3/6/2023



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



**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 RECONSTRUCTION  
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: 08/29/2022  
SCALE: AS SHOWN  
MBI PROJECT No. 187020

DRAWING No.  
C-01  
SHEET:  
1 OF 29



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-2, 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 THE 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 TARPULINS 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

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
----	TEMPORARY CONSTRUCTION EASEMENT
----->	FLOW ARROW
---	SAWCUT
-□-□-□-□-	RESET FENCE
-□-□-□-□-	EXIST FENCE
○-○-○-○-○-○-○-	EXIST MASONRY
---e---	EXIST ELECTRICAL
---e---(oh)-	EXIST ELECTRICAL OH
---g---g---	EXIST NATURAL GAS
---s---s---	EXIST SEWER
--gd-----sd	EXIST STORM DRAIN
--tc-----tc---	EXIST TELEMETER CABLE
(oh)-----tc---	EXIST TELEMETER CABLE OH
-----w-----w---	EXIST WATER
--SD-----SD---	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
▨	REMOVE CONCRETE
▨	PROPOSED CONCRETE/SIDEWALK
▨	PROPOSED CURB AND GUTTER
▨	PROPOSED DETECTABLE WARNING SURFACE
XXX.XX	EXIST ELEVATION
●	EXIST MONUMENT LOCATIONS
XX XX	DETAIL NUMBER/SHEET NUMBER

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
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
G/O	GRIND AND OVERLAY
GV	GAS VALVE
HORIZ	HORIZONTAL
HP	HIGH POINT
IN	INCHES
IP	IRON PIPE
IPNW	IRON PIPE NO WELL
IPW	IRON PIPE IN WELL
KV	KILOVOLT
LF	LINEAR FEET
LP	LOW POINT
LS	LANDSCAPING
LT	LEFT
MH	MANHOLE
MN	MAG NAIL
MOD	MODIFIED
No.	NUMBER
NTS	NOT TO SCALE
OG	ORIGINAL GROUND
OH	OVERHEAD
ORN	ORNAMENTAL
PCC	POINT OF COMPOUND CURVE
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
TS	TRAFFIC SIGNAL
UP	UTILITY POLE
VAR	VARIES
VERT	VERTICAL
WV	WATER VALVE



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



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

NOTES SHEET  
CAPITAL PROJECT No. 22-001  
CITYWIDE STREET RECONSTRUCTION  
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: 08/29/2022
SCALE: AS SHOWN
MBI PROJECT No. 187020

DRAWING No.  
GN-01  
SHEET:  
2 OF 29



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 – FOSBERG ROAD**  
CITY OF TURLOCK BENCHMARK 2-2-2  
BRASS PLUG ON THE SOUTHEAST CORNER OF ZEERING ROAD AT FOSBERG ROAD.  
ELEVATION = 108.853 FEET

- SURVEY NOTES:**
- THE FIELD WORK FOR THIS SURVEY WAS CONDUCTED IN FEBRUARY 2022.
  - PHYSICAL ITEMS SHOWN ON THIS SURVEY ARE LIMITED TO THOSE SURFACE-VISIBLE STRUCTURES, FACILITIES, AND FEATURES OBSERVED AT THE FIELD SURVEY.
  - 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.
  - 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.
  - 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.
  - NOTHING ON THIS SURVEY SHALL BE INTERPRETED IN A MANNER CONTRARY TO THE ABOVE STATEMENTS.

CONTROL PT. NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	2015300.554	6461825.108	108.48	MAG NAIL AT CROSS WALK
4	2013295.164	6461828.338	108.52	MAG NAIL AT STOP BAR
5	2012738.144	6461797.305	107.09	MAG NAIL AT CROSS WALK
K10	2002072.055	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.
K14	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.



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.

*Kent A. HySELL*  
KENT A. HYSSELL L.S.  
LICENSE No. LS6953  
PLANS APPROVAL DATE



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



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

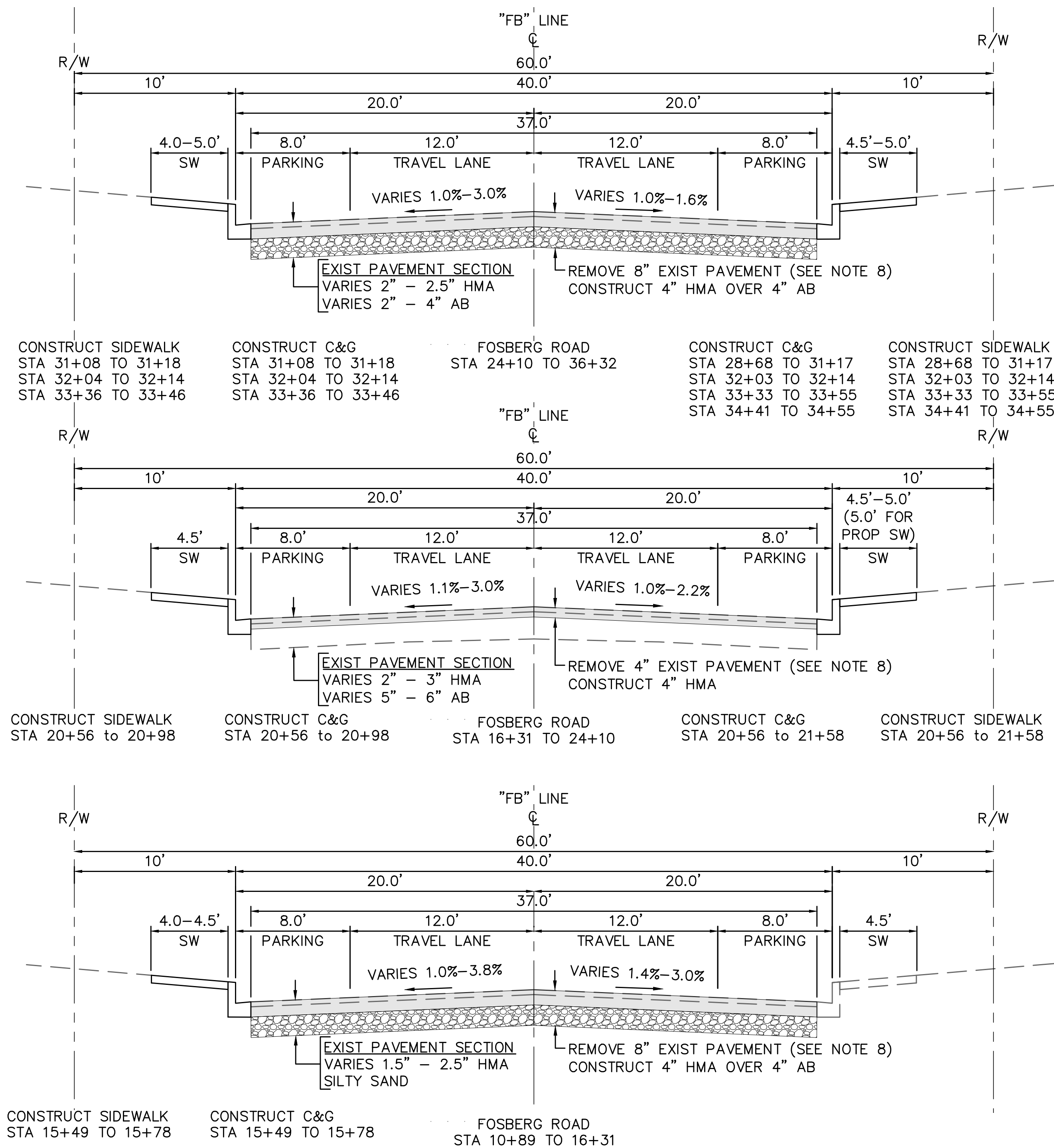
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BENCHMARKS AND CONTROL POINTS  
CAPITAL PROJECT No. 22-001  
CITYWIDE STREET RECONSTRUCTION  
AND IMPROVEMENT PROJECT

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: K. HYSSELL  
DATE: 08/29/2022  
SCALE: AS SHOWN  
MBI PROJECT No. 187020

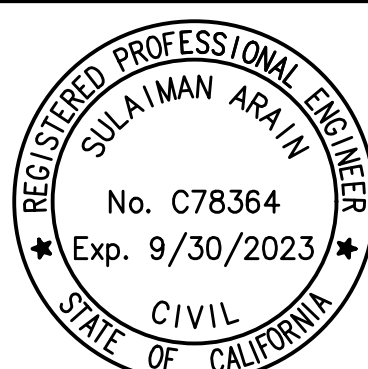
DRAWING No.  
PC-01  
SHEET:  
3 OF 29

- 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 ON TYPICAL SECTIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY DIMENSIONS WITH THE ENGINEER IN THE FIELD.
  8. EXISTING PAVEMENT THICKNESS VARIES THROUGHOUT THE PROJECT. REMOVAL OF EXISTING PAVEMENT INCLUDES ASPHALT, AGGREGATE BASE, AND SUB BASE AS NECESSARY IN ORDER TO ACHIEVE TO REQUIRED REMOVAL DEPTH.
  9. COMPACT AND PREPARE SUBGRADE PRIOR TO PLACING AGGREGATE BASE. COMPACT AND PREPARE BASE LAYER PRIOR TO PLACING HMA.
  10. SEE PLANS FOR PROPOSED PAVEMENT TREATMENT WITHIN INTERSECTION GRADING LIMITS, WHERE APPLICABLE.



NOTE:  
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*Sulaiman Arain*  
SULAIMAN ARAIN P.E.  
LICENSE No. C78364  
PLANS APPROVAL DATE



**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 RECONSTRUCTION  
AND IMPROVEMENT PROJECT

VERIFY SCALE  
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ORIGINAL DRAWING  
1/4" 3/4" 1"  
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ADJUST SCALES  
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REV. BY:  
CH. BY: S. ARAIN  
DATE: 08/29/2022  
SCALE: NOT TO SCALE  
MBI PROJECT No. 187020

DRAWING No.  
**X-01**  
SHEET:  
4 OF 29



22-001-P3-05-K-01.dwg



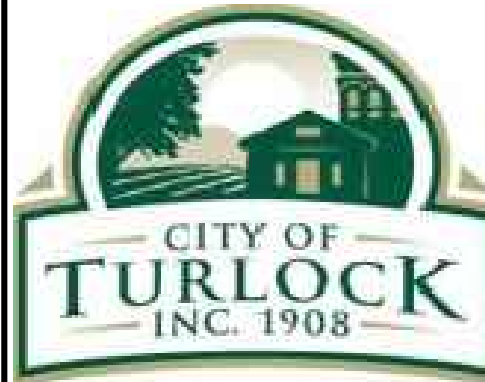
NOTE:  
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DIMENSIONS SHALL SUPERCEDE  
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CITY OF TURLOCK  
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KEY MAP  
CAPITAL PROJECT No. 22-001  
CITYWIDE STREET RECONSTRUCTION  
AND IMPROVEMENT PROJECT

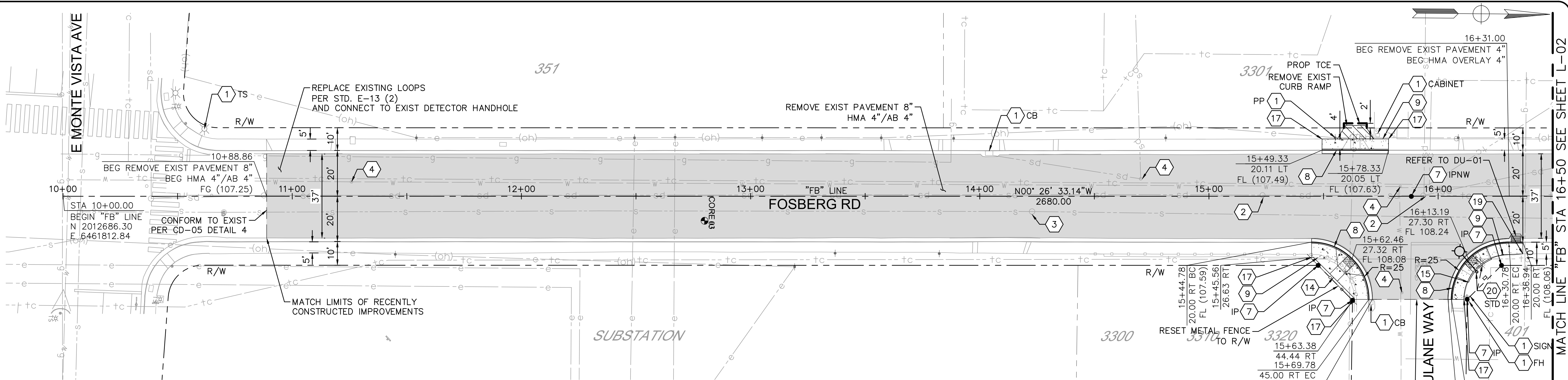
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CH. BY: S. ARAIN
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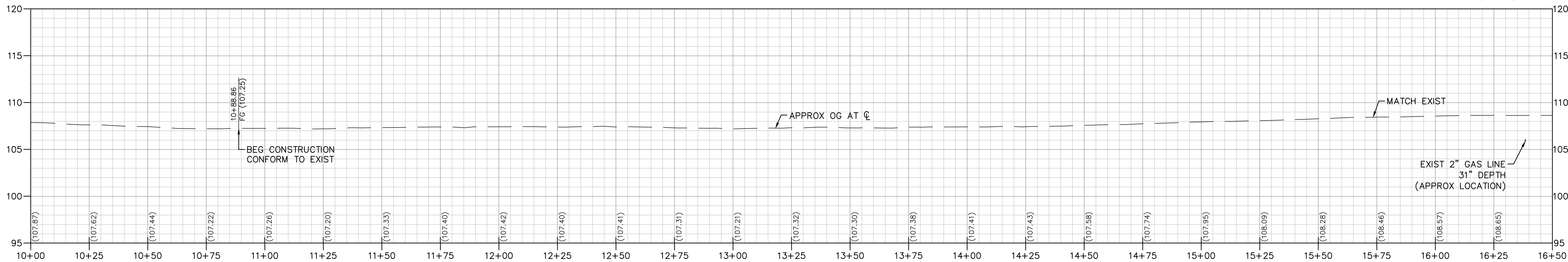
DRAWING No.
K-01
SHEET:
5 OF 29







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. PROPOSED CURB AND GUTTER SHALL CONFORM TO EXISTING AT LIMITS. SEE SHEET CD-05 DETAIL 3 FOR CURB TRANSITION DETAIL.
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. 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.
7. 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 ENCR OACH INTO PRIVATE PROPERTY, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
8. 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.
9. 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.
10. PROPOSED RIGHT OF WAY AND TEMPORARY CONSTRUCTION EASEMENTS TO BE ACQUIRED BY THE CITY WHERE SHOWN.
11. FULL DEPTH AC PATCH SHALL BE INSTALLED AT PROPOSED CURB AND GUTTER AND CURB RAMP LOCATIONS PER CD-05 DETAIL 2.
12. 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.

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 6)
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-11
15. CONSTRUCT CURB RAMP PER STD C-12
16. CONSTRUCT CURB RAMP PER STD C-14
17. MATCH EXIST EDGE OF SIDEWALK
18. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
19. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
20. RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
21. 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)
03	2"	0"



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Sulaiman Arain  
SULAIMAN ARAIN P.E.  
LICENSE No. C78364  
PLANS APPROVAL DATE



Michael Baker  
INTERNATIONAL  
500 YGNACIO VALLEY RD  
SUITE 300  
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CITY OF TURLOCK  
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ENGINEERING DIVISION  
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SUITE 150  
(209) 668-5520

PLAN AND PROFILE  
FOSBERG ROAD  
STA 10+00 TO STA 16+50  
CAPITAL PROJECT No. 22-001  
CITYWIDE STREET RECONSTRUCTION  
AND IMPROVEMENT PROJECT

VERIFY SCALE  
BAR IS 1" ON  
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1/4" 3/4" 1"  
0 1/2"  
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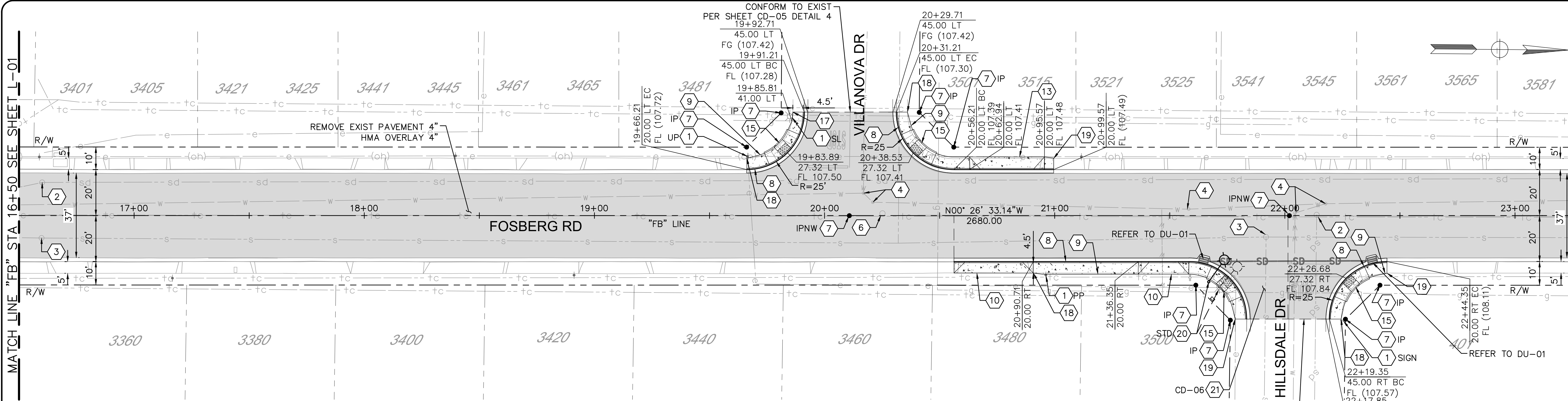
DRAWN BY: J. MILLER  
REV. BY:  
CH. BY: S. ARAIN  
DATE: 08/29/2022  
SCALE: AS SHOWN  
MBI PROJECT No. 187020

DRAWING No.  
L-01  
SHEET:  
6 OF 29

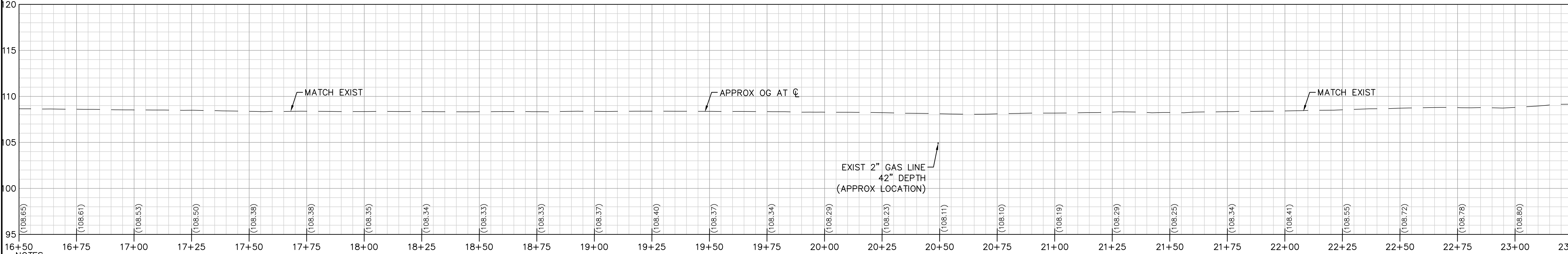


MATCH LINE "FB" STA 16+50 SEE SHEET L-01

MATCH LINE "FB" STA 23+25 SEE SHEET L-03



PLAN  
1" = 20'



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

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CONSTRUCTION NOTES:

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5. ADJUST GV BOX TO GRADE
6. ADJUST COMM. BOX TO GRADE
7. EXIST SURVEY MONUMENT (SEE NOTE 6)
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
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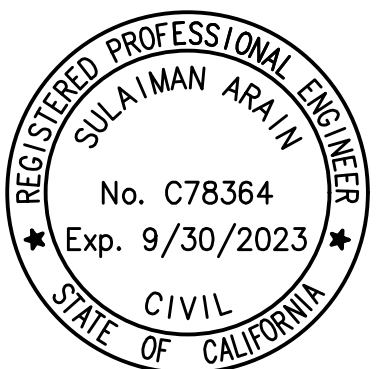
CONSTRUCTION NOTES CONT:

14. CONSTRUCT CURB RAMP PER STD C-11
15. CONSTRUCT CURB RAMP PER STD C-12
16. CONSTRUCT CURB RAMP PER STD C-14
17. MATCH EXIST EDGE OF SIDEWALK
18. BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
19. END TRANSITION MATCH EXIST EDGE OF SIDEWALK
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21. 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.



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*Sulaiman Arain*  
SULAIMAN ARAIN P.E.  
LICENSE No. C78364  
PLANS APPROVAL DATE



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



CITY OF TURLOCK  
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156 S. BROADWAY,  
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**PLAN AND PROFILE  
FOSBERG ROAD  
STA 16+50 TO STA 23+25  
CAPITAL PROJECT No. 22-001  
CITYWIDE STREET RECONSTRUCTION  
AND IMPROVEMENT PROJECT**

VERIFY SCALE  
BAR IS 1" ON  
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1/4" 3/4" 1"  
0 1/2"  
IF NOT ONE INCH  
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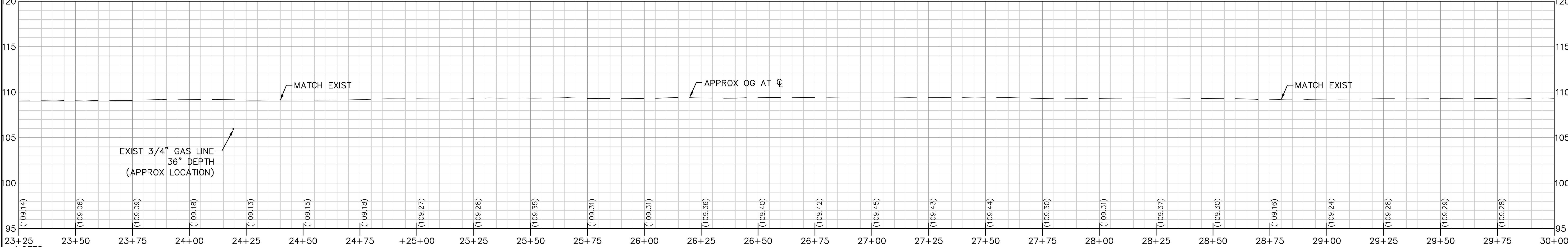
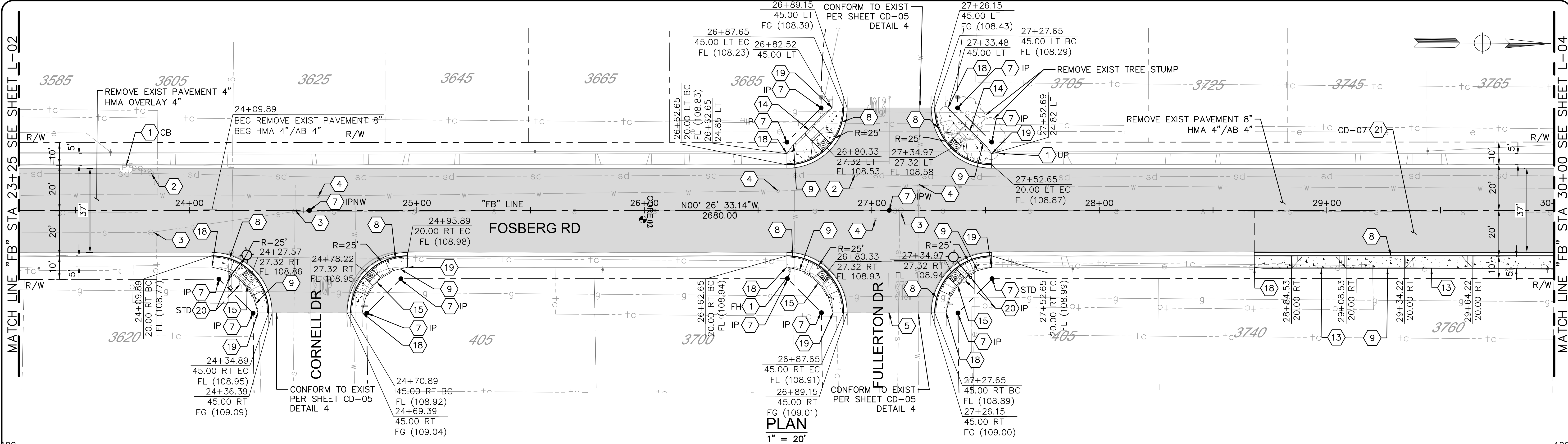
DRAWN BY: J. MILLER  
REV. BY:  
CH. BY: S. ARAIN  
DATE: 08/29/2022  
SCALE: AS SHOWN  
MBI PROJECT No. 187020

DRAWING No.  
**L-02**  
SHEET:  
**7 OF 29**



MATCH LINE "FB" STA 23+25 SEE SHEET L-02

MATCH LINE "FB" STA 30+00 SEE SHEET L-04



- NOTES:**
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**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 6)
- 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-11
- 15 CONSTRUCT CURB RAMP PER STD C-12
- 16 CONSTRUCT CURB RAMP PER STD C-14
- 17 MATCH EXIST EDGE OF SIDEWALK
- 18 BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
- 19 END TRANSITION MATCH EXIST EDGE OF SIDEWALK
- 20 RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
- 21 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)
02	2"	2"



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**PLAN AND PROFILE**  
**FOSBERG ROAD**  
**STA 23+25 TO STA 30+00**  
**CAPITAL PROJECT No. 22-001**  
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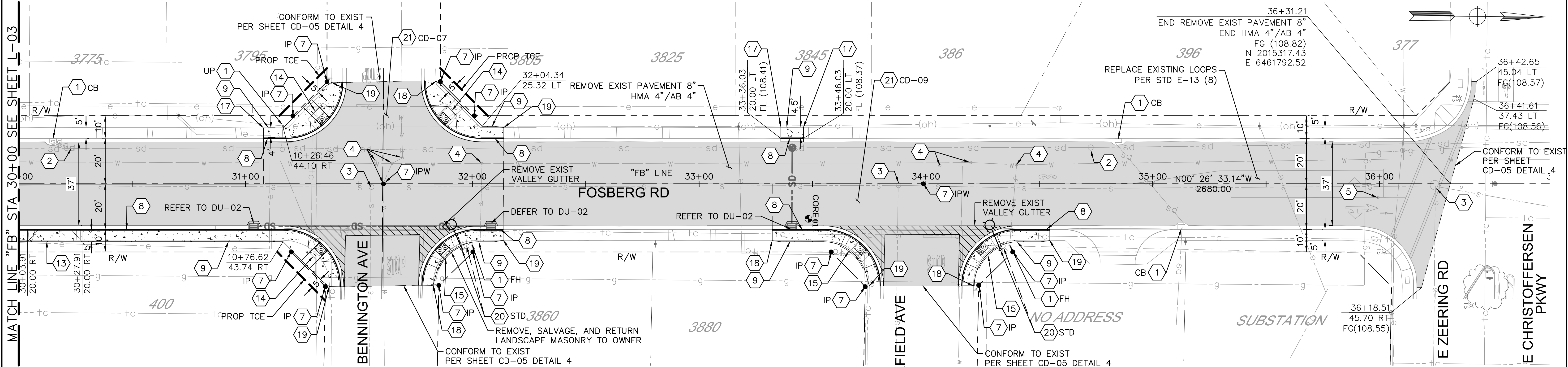
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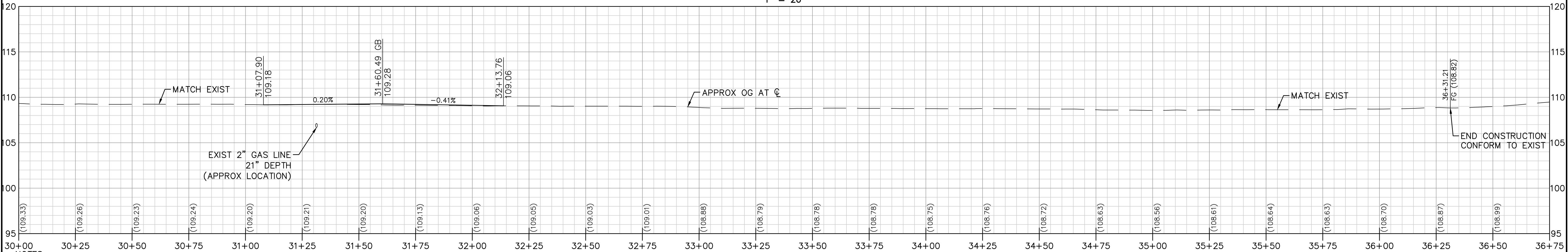
DRAWING No.  
**L-03**  
SHEET:  
**8 OF 29**



MATCH LINE "FB" STA 30+00 SEE SHEET L-03



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. PROPOSED CURB AND GUTTER SHALL CONFORM TO EXISTING AT LIMITS. SEE SHEET CD-05 DETAIL 3 FOR CURB TRANSITION DETAIL.
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. 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.
7. 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.
8. 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.
9. 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.
10. PROPOSED RIGHT OF WAY AND TEMPORARY CONSTRUCTION EASEMENTS TO BE ACQUIRED BY THE CITY WHERE SHOWN.
11. FULL DEPTH AC PATCH SHALL BE INSTALLED AT PROPOSED CURB AND GUTTER AND CURB RAMP LOCATIONS PER CD-05 DETAIL 2.
12. 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.

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 6)
- 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:

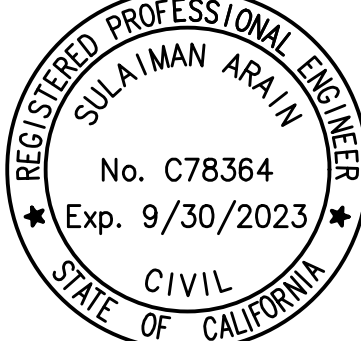
- 14 CONSTRUCT CURB RAMP PER STD C-11
- 15 CONSTRUCT CURB RAMP PER STD C-12
- 16 CONSTRUCT CURB RAMP PER STD C-14
- 17 MATCH EXIST EDGE OF SIDEWALK
- 18 BEG TRANSITION MATCH EXIST EDGE OF SIDEWALK
- 19 END TRANSITION MATCH EXIST EDGE OF SIDEWALK
- 20 RELOCATE AND REPLACE EXISTING STREETLIGHT (NOT IN CONTRACT)
- 21 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)
01	2 1/4"	2 1/2"



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



**Michael Baker**  
**INTERNATIONAL**  
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(925) 906-1460



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

PLAN AND PROFILE  
FOSBERG ROAD  
STA 30+00 TO STA 36+75  
CAPITAL PROJECT No. 22-001  
CITYWIDE STREET RECONSTRUCTION  
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

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REV. BY:  
CH. BY: S. ARAIN  
DATE: 08/29/2022  
SCALE: AS SHOWN  
MBI PROJECT No. 187020

DRAWING No.  
**L-04**  
SHEET:  
9 OF 29




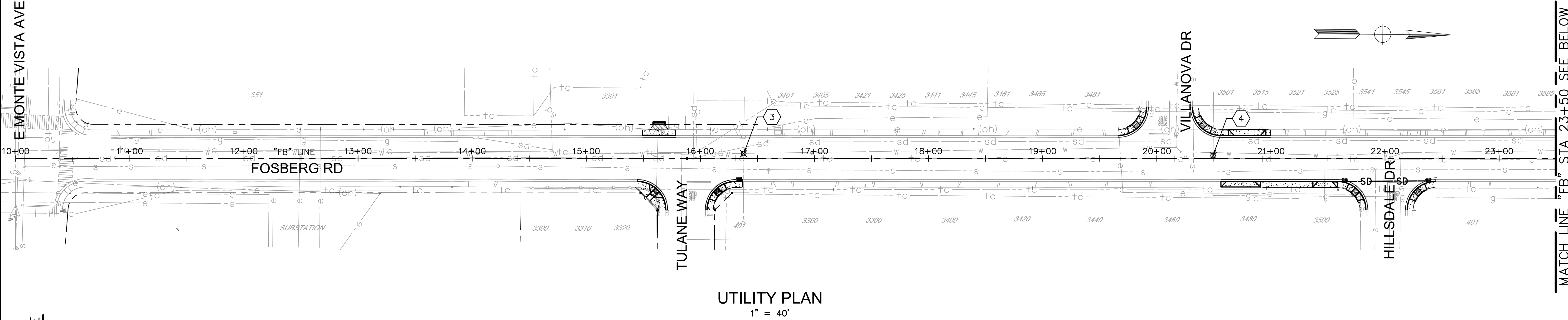
- NOTES:
1. DEPTHS SHOWN REFER TO THE TOP OF THE PIPE OR CONDUIT, UNLESS OTHERWISE STATED.
  2. UTILITY OWNERSHIP:
    - CITY OF TURLOCK ELECTRICAL
    - CITY OF TURLOCK STORM AND SEWER
    - CITY OF TURLOCK WATER
    - TURLOCK IRRIGATION DISTRICT (ELECTRICAL)
    - TURLOCK IRRIGATION DISTRICT (IRRIGATION)
    - CHARTER COMMUNICATIONS
    - PACIFIC GAS & ELECTRIC (GAS)
    - AT&T
  - LOCATIONS OF UTILITY FACILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

LEGEND:

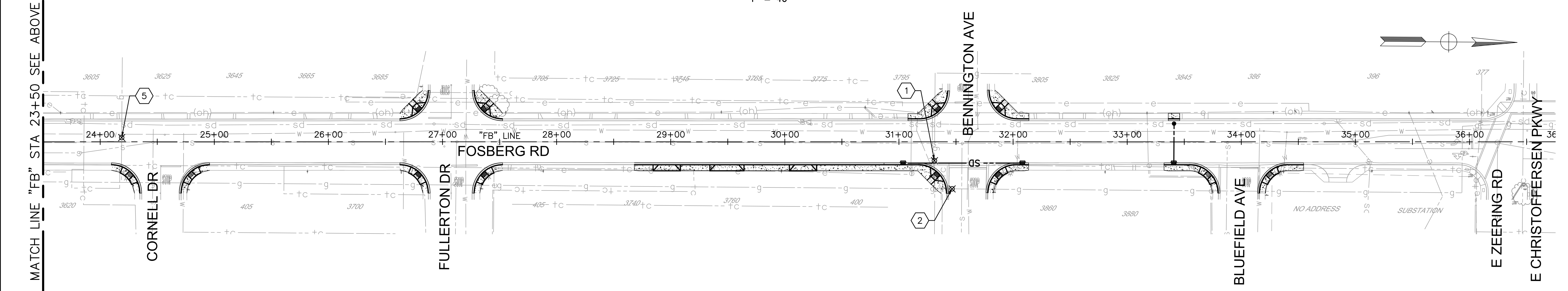
⊗ TEST HOLE LOCATION

POSITIVE LOCATION INFORMATION

NO. 	UTILITY OWNER	DESCRIPTION	LOCATION	NORTHING	EASTING	FS ELEVATION	DEPTH	METHOD
1	PG&E	EXISTING 2" GAS	16.55' RT "FB" LINE 31+31.12	2014817.478	6461812.928	109.010	21"	POTHOLING
2	PG&E	EXISTING 2" GAS	41.26' RT "FB" LINE 31+46.59	2014833.108	6461837.551	109.063	40"	POTHOLING
3	PG&E	EXISTING 2" GAS	4.26' LT "FB" LINE 16+37.99	2013324.238	6461803.652	108.661	31"	POTHOLING
4	PG&E	EXISTING 2" GAS	2.55' LT "FB" LINE 20+49.31	2013735.556	6461802.184	108.175	42"	POTHOLING
5	PG&E	EXISTING 3/4" GAS	3.66 LT "FB" LINE 24+18.86	2014105.090	6461798.224	109.193	36"	POTHOLING



UTILITY PLAN  
1" = 40'



UTILITY PLAN  
1" = 40'



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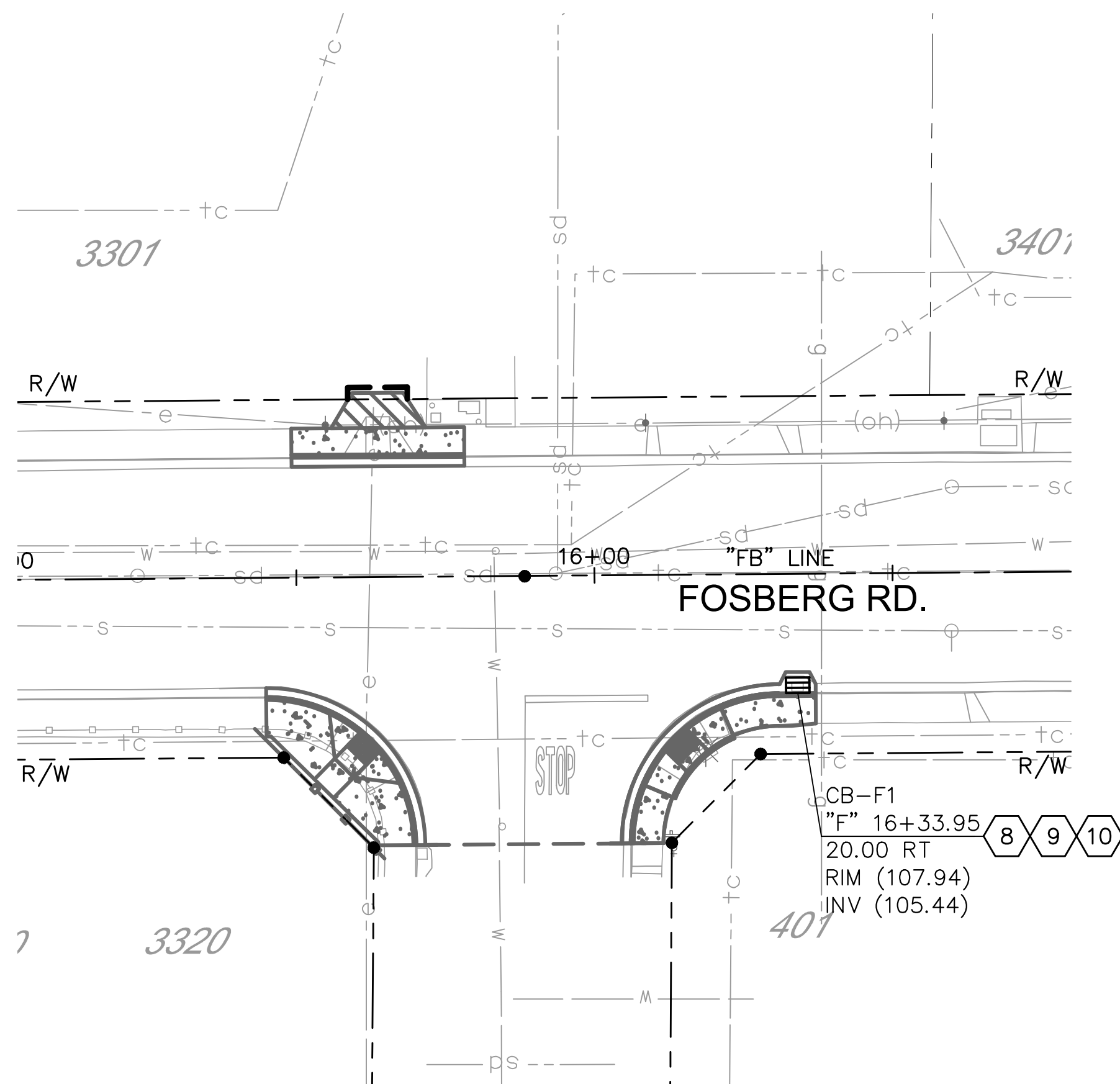
UTILITY PLAN  
FOSBERG ROAD  
CAPITAL PROJECT No. 22-001  
CITYWIDE STREET RECONSTRUCTION  
AND IMPROVEMENT PROJECT

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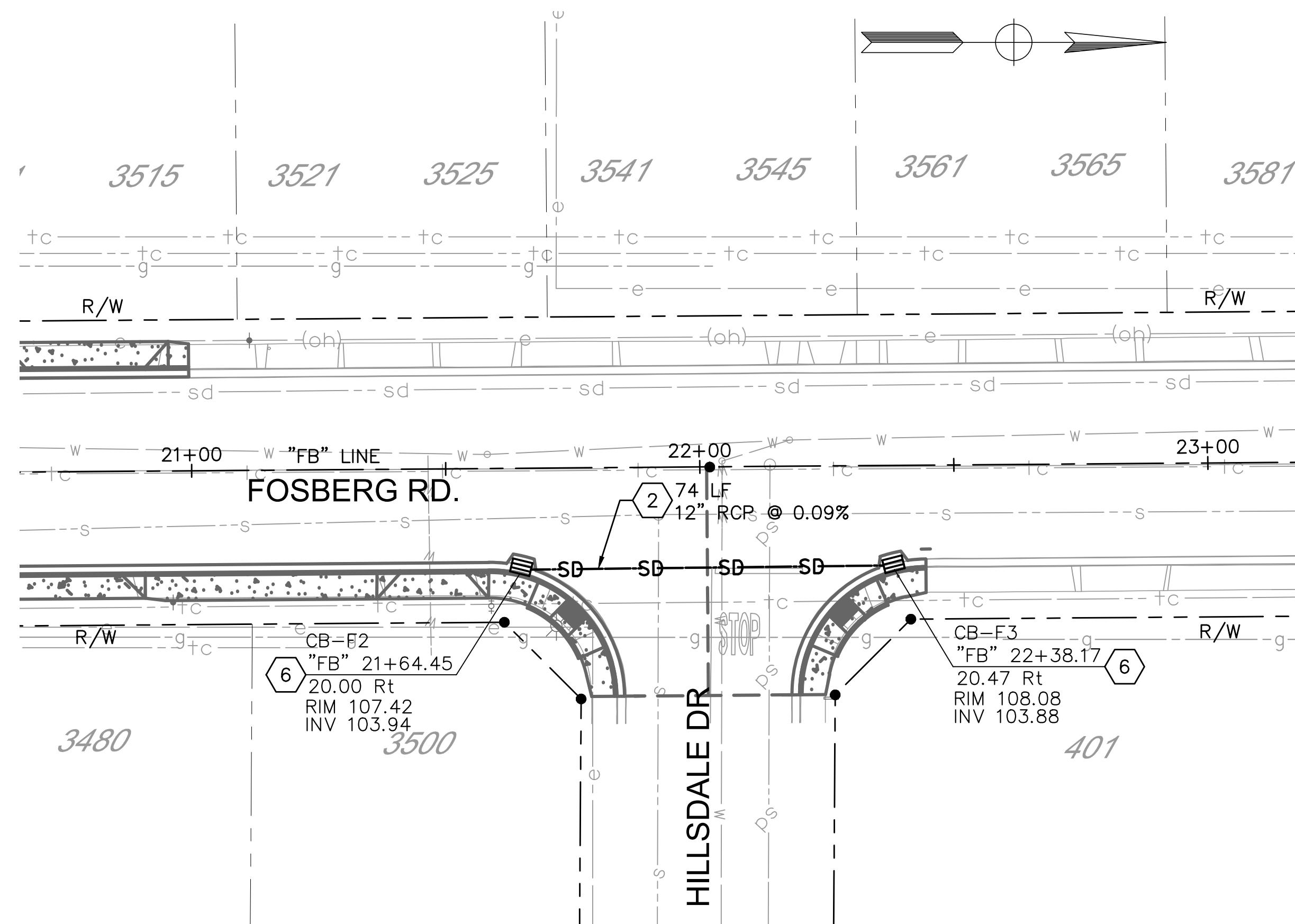
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REV. BY:  
CH. BY: S. ARAIN  
DATE: 08/29/2022  
SCALE: AS SHOWN  
MBI PROJECT No. 187020

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**U-01**  
SHEET:  
10 OF 29

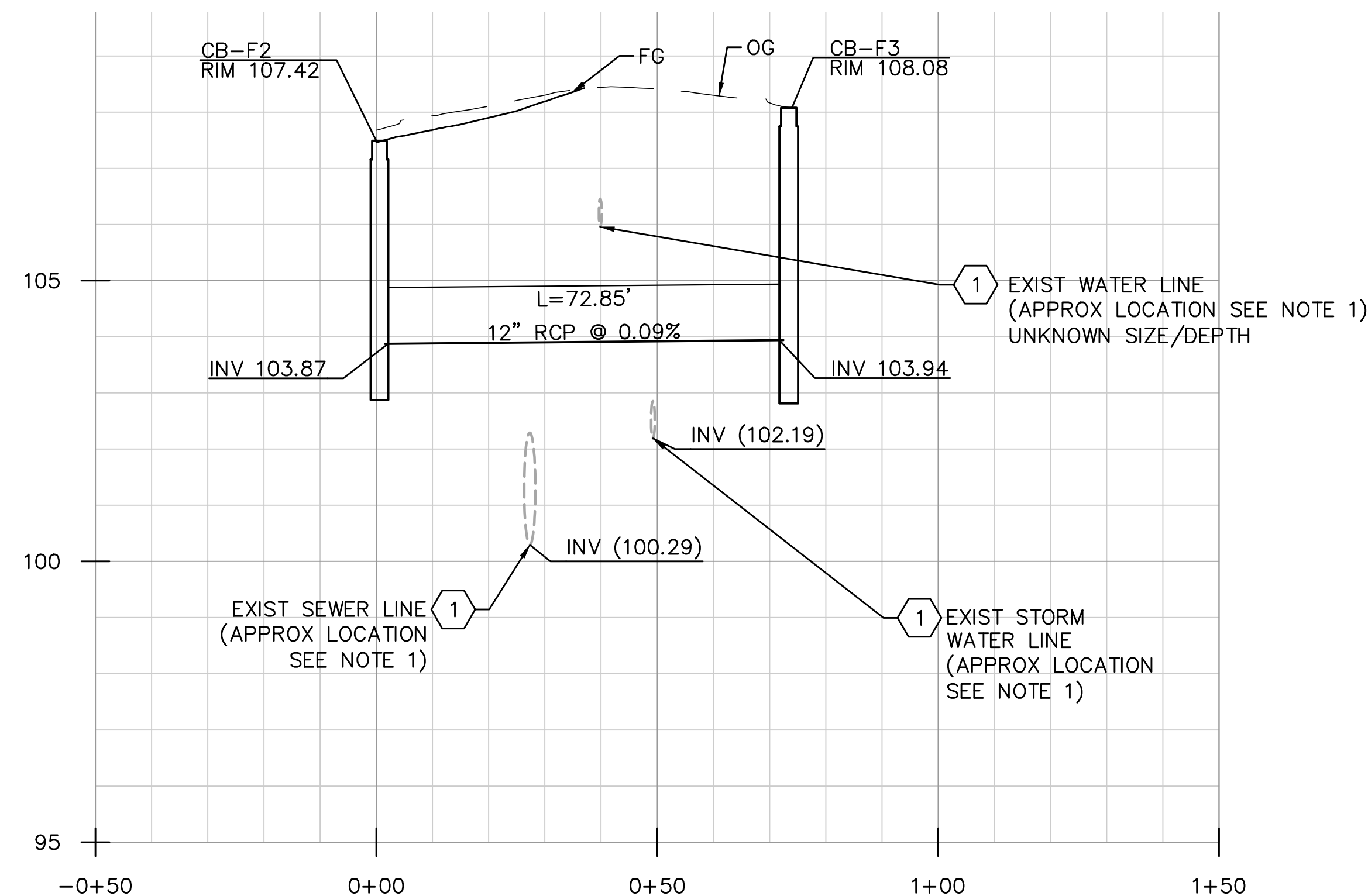




PLAN - INTERSECTION @ TULANE WAY  
1" = 20'



PLAN - INTERSECTION @ HILLSDALE DR  
1" = 20'



PROFILE - INTERSECTION @ HILLSDALE DRIVE

BUBBLE UP - CB-F1, CB-F2

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. 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.

CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. INSTALL BUBBLE UP SYSTEM, SEE SHEET DU-3
3. INSTALL MANHOLE PER CITY STD S-3.
4. INSTALL MANHOLE FRAME & COVER PER CITY STD S-5
5. TIE IN TO EXISTING MANHOLE
6. INSTALL CATCH BASIN PER CITY STD SD-1
7. TIE IN TO EXISTING STORM DRAIN LINE
8. REMOVE EXIST CATCH BASIN
9. INSTALL CATCH BASIN PER CITY STD SD-1
10. TIE INTO EXISTING STORM DRAIN LINE

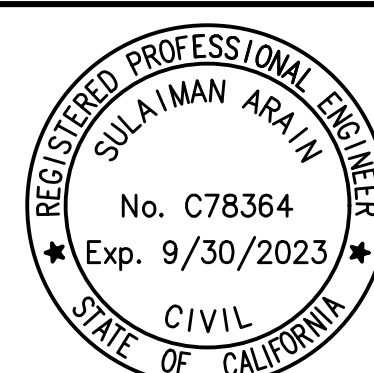
22-001-P3-07-DU-01.dwg



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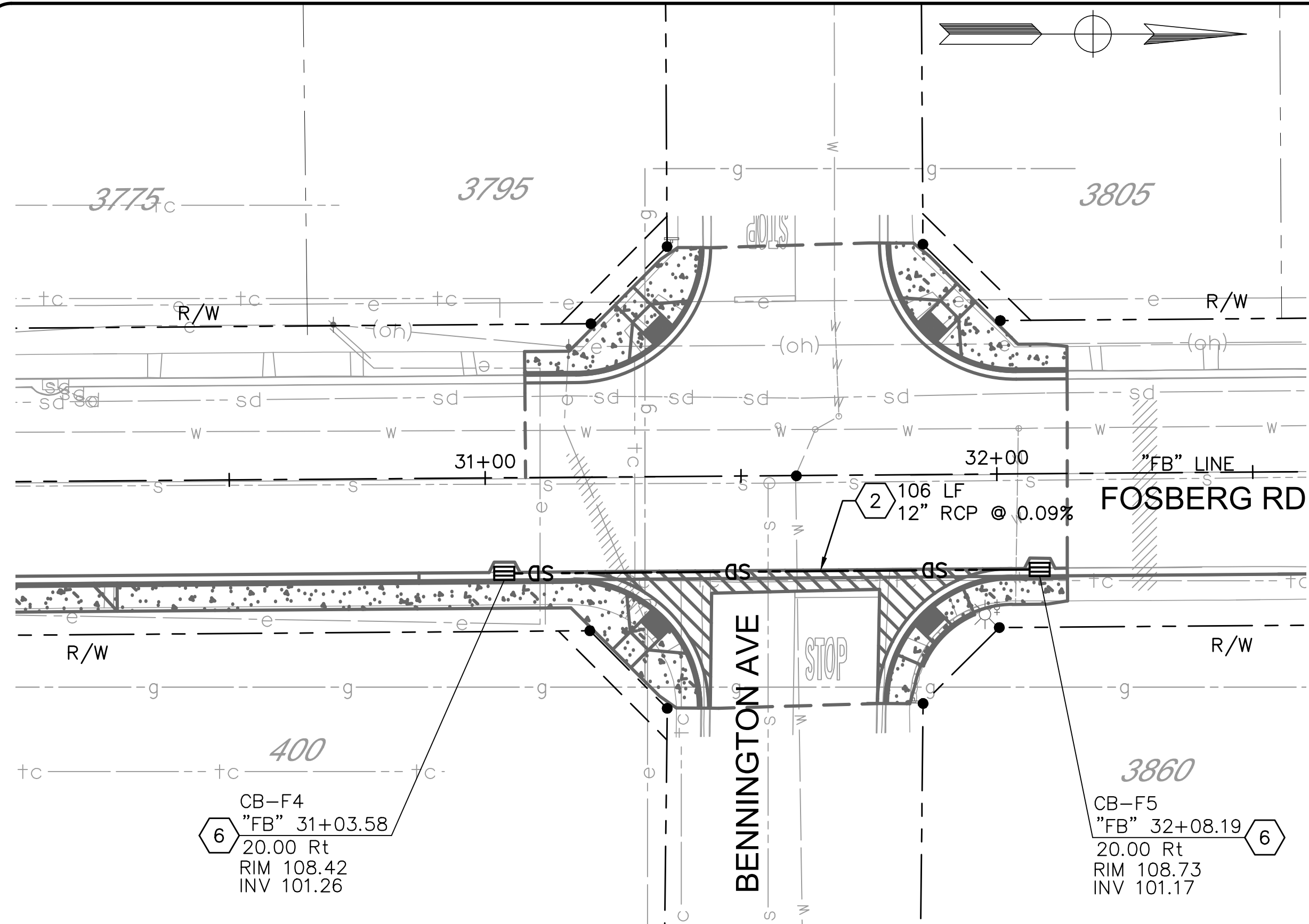
**DRAINAGE PLAN**  
**FOSBERG ROAD**  
**CAPITAL PROJECT No. 22-001**  
**CITYWIDE STREET RECONSTRUCTION**  
**AND IMPROVEMENT PROJECT**

VERIFY SCALE  
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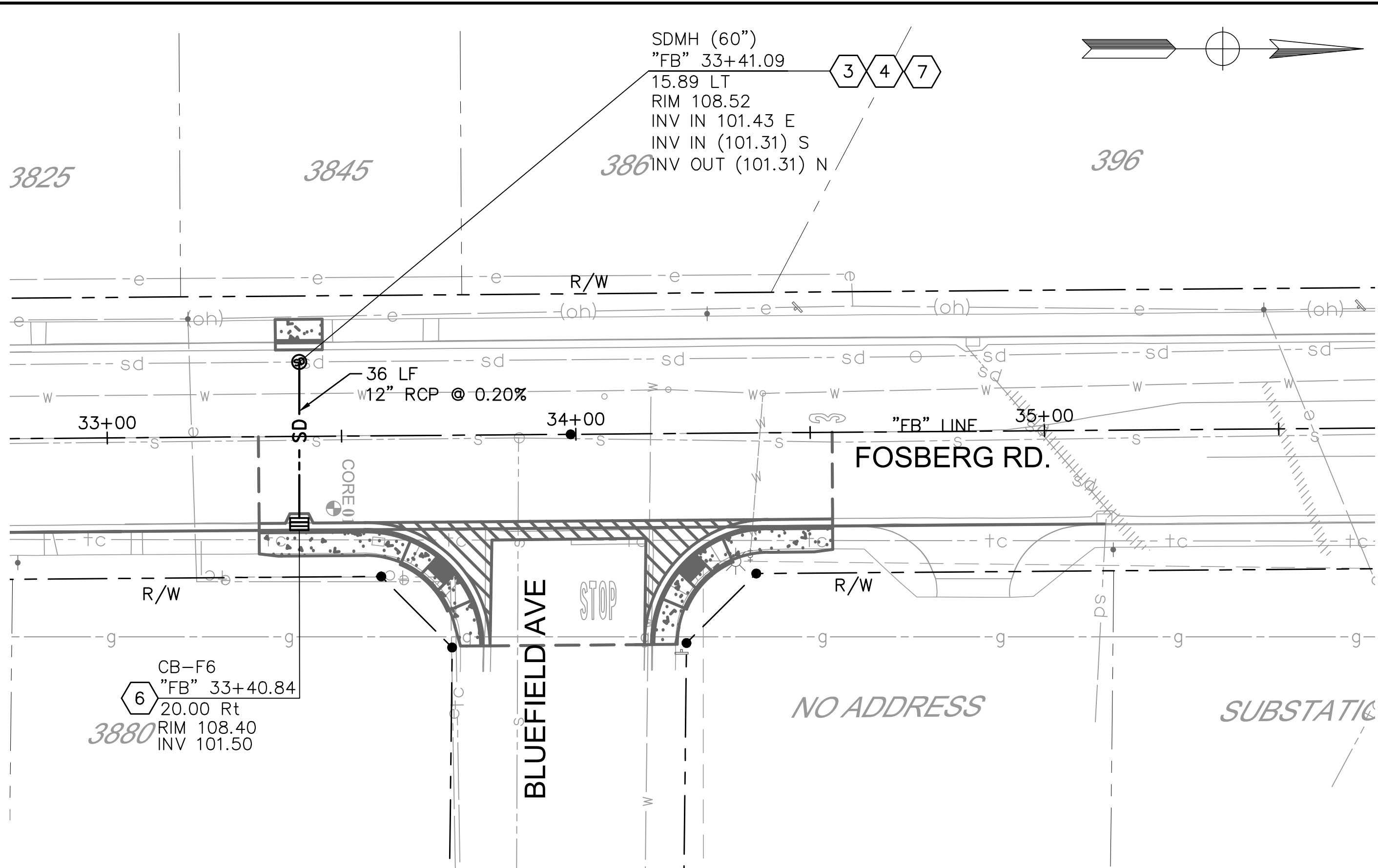
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CH. BY: S. ARAIN  
DATE: 08/29/2022  
SCALE: AS SHOWN  
MBI PROJECT No. 187020

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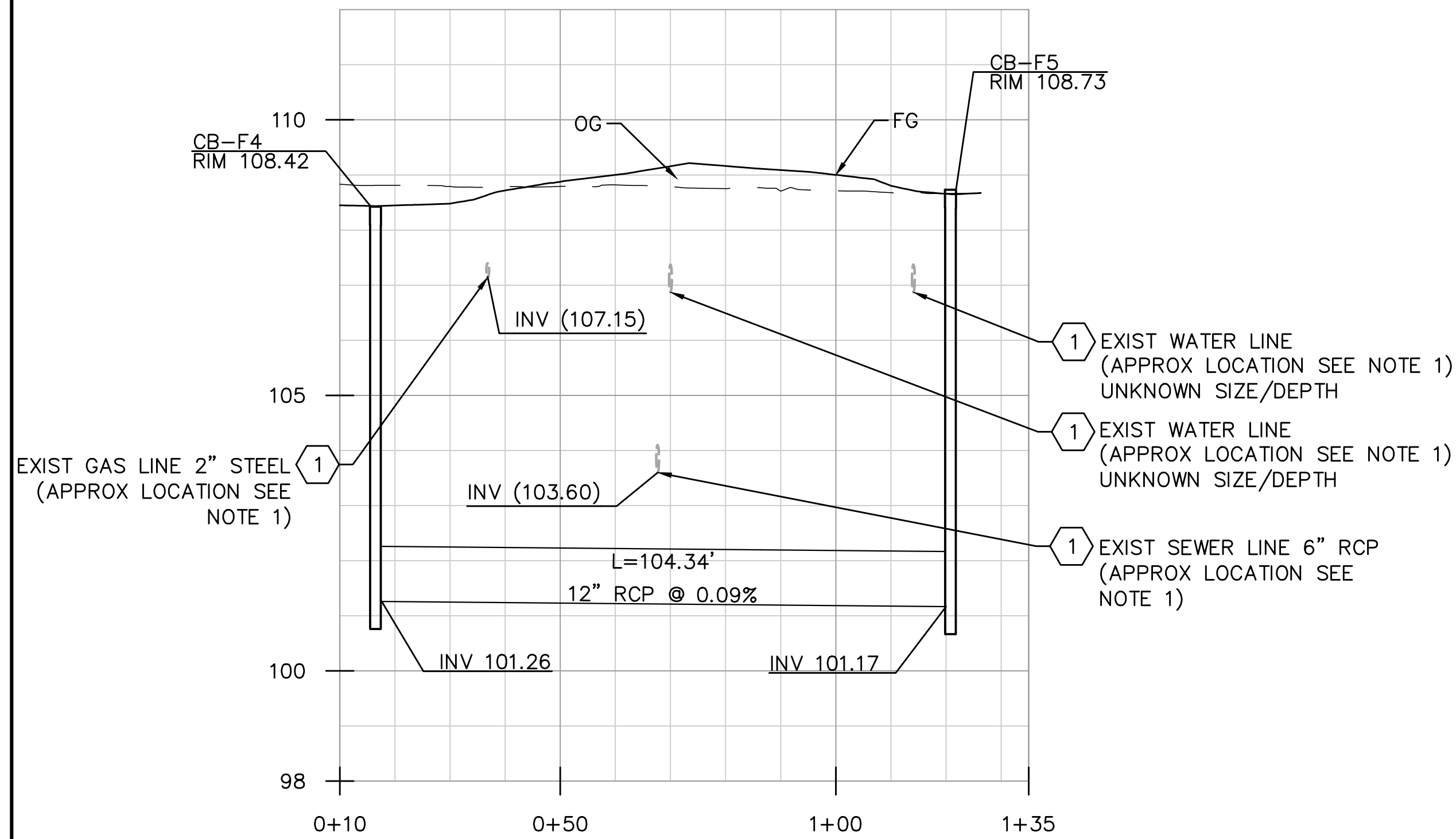
PLAN - INTERSECTION @ BENNINGTON AVE  
1" = 20'



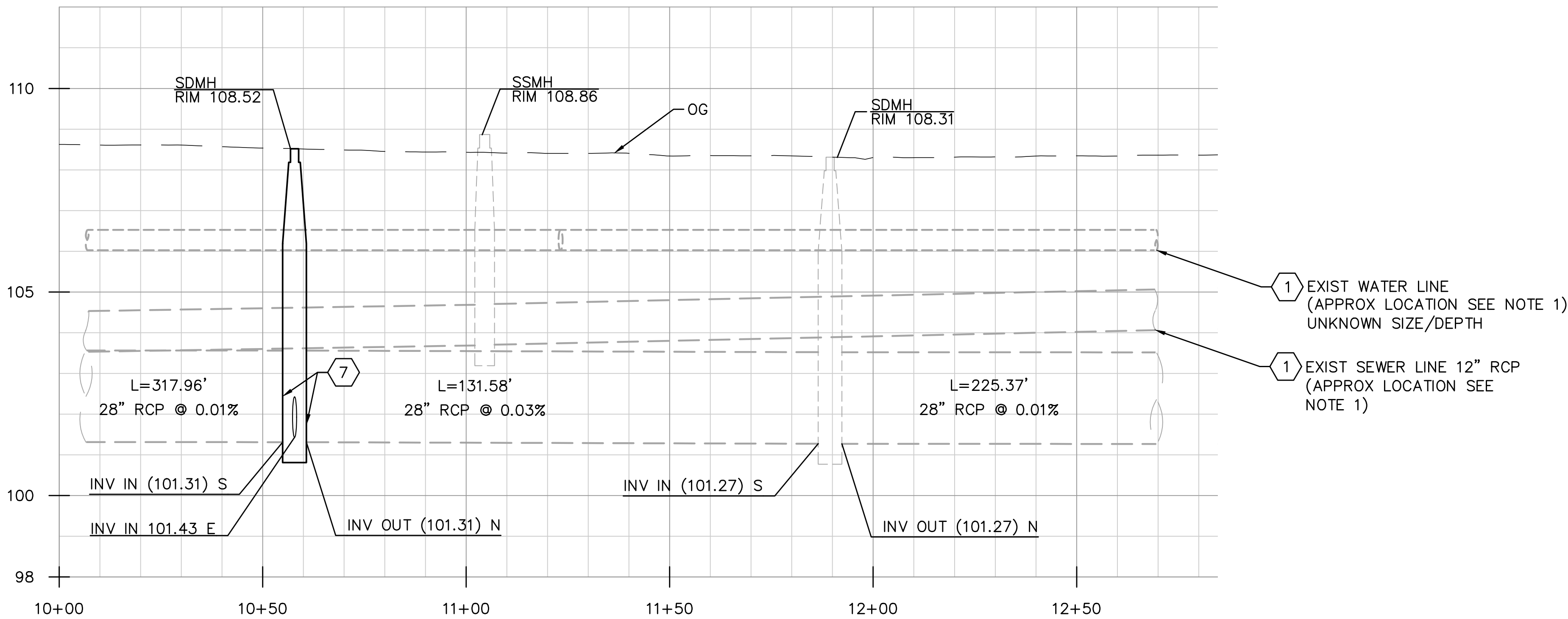
PLAN - INTERSECTION @ BLUEFIELD AVE  
1" = 20'

- 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. ALL UTILITY LINES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
  3. EXISTING CATCH BASINS, PIPES, WATER VALVES, AND MANHOLES TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.

- CONSTRUCTION NOTES:
1. PROTECT IN PLACE
  2. INSTALL BUBBLE UP SYSTEM, SEE SHEET DU-3
  3. INSTALL MANHOLE PER CITY STD S-3.
  4. INSTALL MANHOLE FRAME & COVER PER CITY STD S-5
  5. TIE IN TO EXISTING MANHOLE
  6. INSTALL CATCH BASIN PER CITY STD SD-1
  7. TIE IN TO EXISTING STORM DRAIN LINE
  8. REMOVE EXIST CATCH BASIN
  9. INSTALL CATCH BASIN PER CITY STD SD-1
  10. TIE INTO EXISTING STORM DRAIN LINE



PROFILE - INTERSECTION @ BENNINGTON AVENUE  
BUBBLE UP - CB-F3, CB-F4  
Horiz. 1"=20'  
Vert. 1" = 2'



PROFILE - INTERSECTION @ BLUEFIELD AVE  
TIE-IN - CB-F5  
Horiz. 1"=20'  
Vert. 1" = 2'

22-001-P3-07-DU-02.dwg



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.

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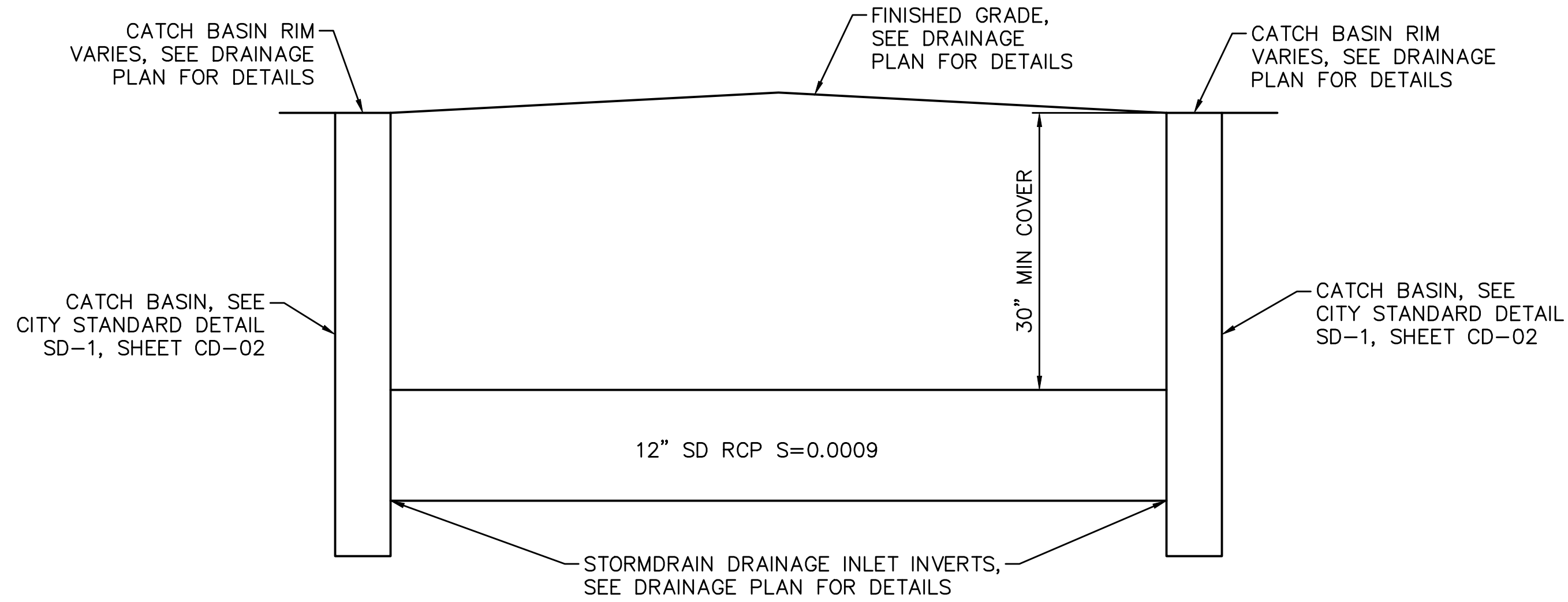
**DRAINAGE PLAN**  
**FOSBERG ROAD**  
**CAPITAL PROJECT No. 22-001**  
**CITYWIDE STREET RECONSTRUCTION**  
**AND IMPROVEMENT PROJECT**

VERIFY SCALE  
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CH. BY: S. ARAIN  
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MBI PROJECT No. 187020

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**DU-02**  
SHEET:  
12 OF 29





- 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

22-001-P3-07-DU-03.dwg



NOTE:  
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CITY OF TURLOCK  
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**DRAINAGE DETAILS**  
**CAPITAL PROJECT No. 22-001**  
**CITYWIDE STREET RECONSTRUCTION**  
**AND IMPROVEMENT PROJECT**

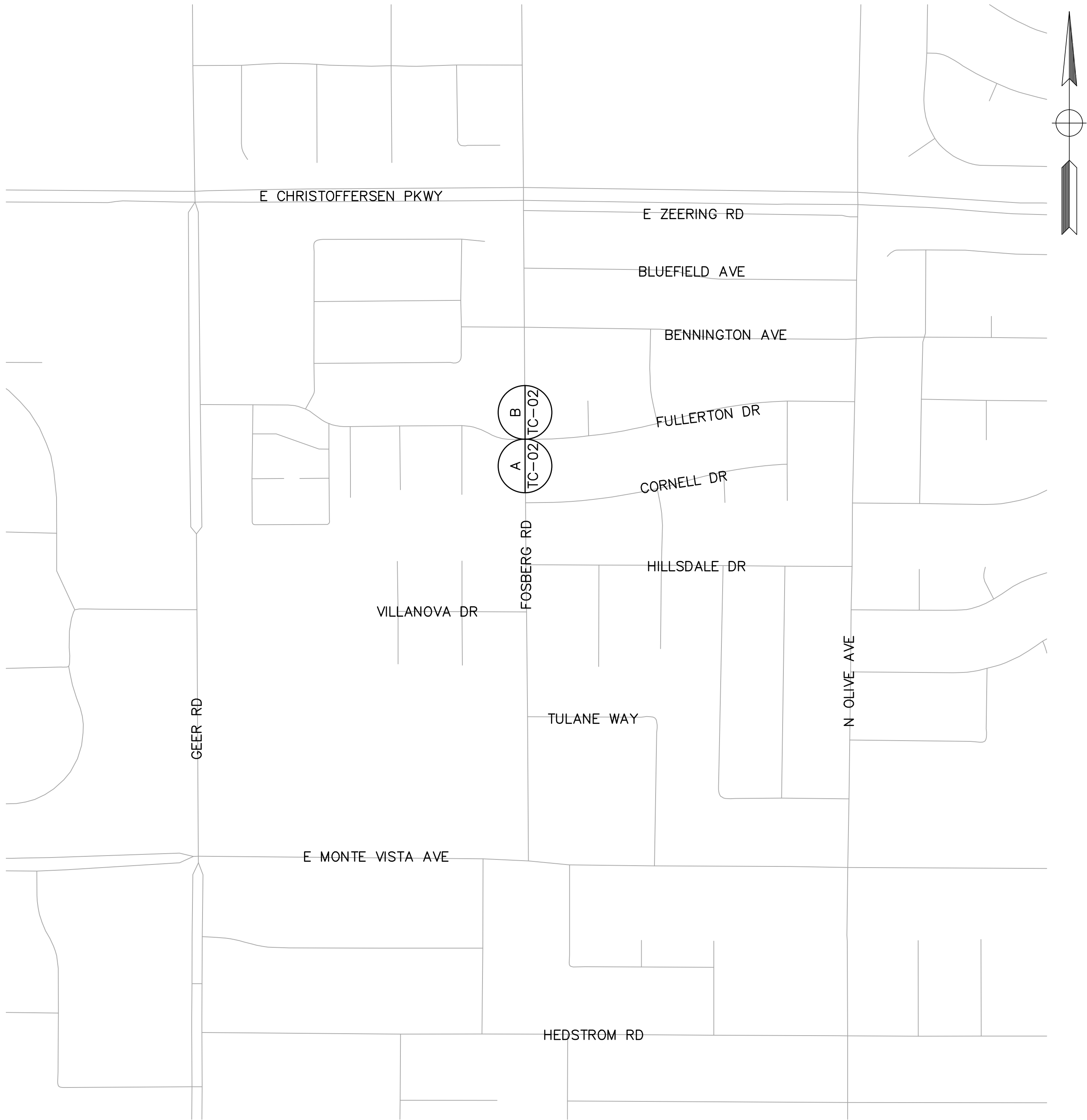
VERIFY SCALE  
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REV. BY:  
CH. BY: S. ARAIN  
DATE: 08/29/2022  
SCALE: AS SHOWN  
MBI PROJECT No. 187020

DRAWING No.  
**DU-03**  
SHEET:  
13 OF 29



22-001--P3-08--TC-01.dwg



PLAN  
NTS

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.)

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. INDIVIDUAL DRIVEWAY CLOSURES ARE LIMITED TO A MAXIMUM OF 4 DAYS.
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.


SEQUENCE OF CONSTRUCTION NOTES:

- STAGE 1
1. IMPLEMENT DETOUR PLAN PER TD-01.
  2. IMPELEMENT TRAFFIC CONTROL PLANS PER DETAIL A, TC-02 FOR THE BLOCK OF FOSBERG ROAD FROM E. MONTE VISTA AVENUE TO VILLANOVA DRIVE.
  3. CONSTRUCT THE WEST HALF OF FOSBERG ROAD BETWEEN E. MONTE VISTA AVENUE AND VILLANOVA DRIVE.
  4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE WEST HALF OF FOSBERG ROAD FOR THE NEXT BLOCK TO THE NORTH OF THE PRIOR BLOCK.
  5. REPEAT THE PROCESS UNTIL THE WEST HALF OF FOSBERG ROAD BETWEEN E. MONTE VISTA AVENUE AND EAST CHRISTOFFERSEN PARKWAY IS CONSTRUCTED COMPLETELY.
  6. REMOVE ALL TRAFFIC CONTROL AND DETOUR DEVICES AND CONTINUE TO STAGE 2.
- STAGE 2
1. IMPELEMENT DETOUR PLAN PER TD-02.
  2. IMPELEMENT TRAFFIC CONTROL PLANS PER DETAIL B, TC-02 FOR THE BLOCK OF FOSBERG ROAD FROM E. MONTE VISTA AVENUE TO TULANE WAY.
  3. CONSTRUCT THE EAST HALF OF FOSBERG ROAD BETWEEN E. MONTE VISTA AVENUE AND TULANE WAY.
  4. AT THE COMPLETION OF EACH BLOCK, SHIFT TRAFFIC CONTROL AND CONSTRUCT THE EAST HALF OF FOSBERG ROAD FOR THE NEXT BLOCK TO THE NORTH OF THE PRIOR BLOCK.
  5. REPEAT THE PROCESS UNTIL THE EAST HALF OF FOSBERG ROAD BETWEEN E. MONTE VISTA AVENUE AND EAST CHRISTOFFERSEN PARKWAY 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.
  3. CONTRACTOR SHALL PROVIDE TEMPORARY FLAGGERS FOR THE INSTALLATION OF PAVEMENT MARKINGS THROUGH THE INTERSECTION OF FOSBERG ROAD AND CHRISTOFFERSEN PARKWAY.



NOTE:  
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CHAD MARTINELL P.E.  
LICENSE No. C74650  
  
PLANS APPROVAL DATE



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



CITY OF TURLOCK  
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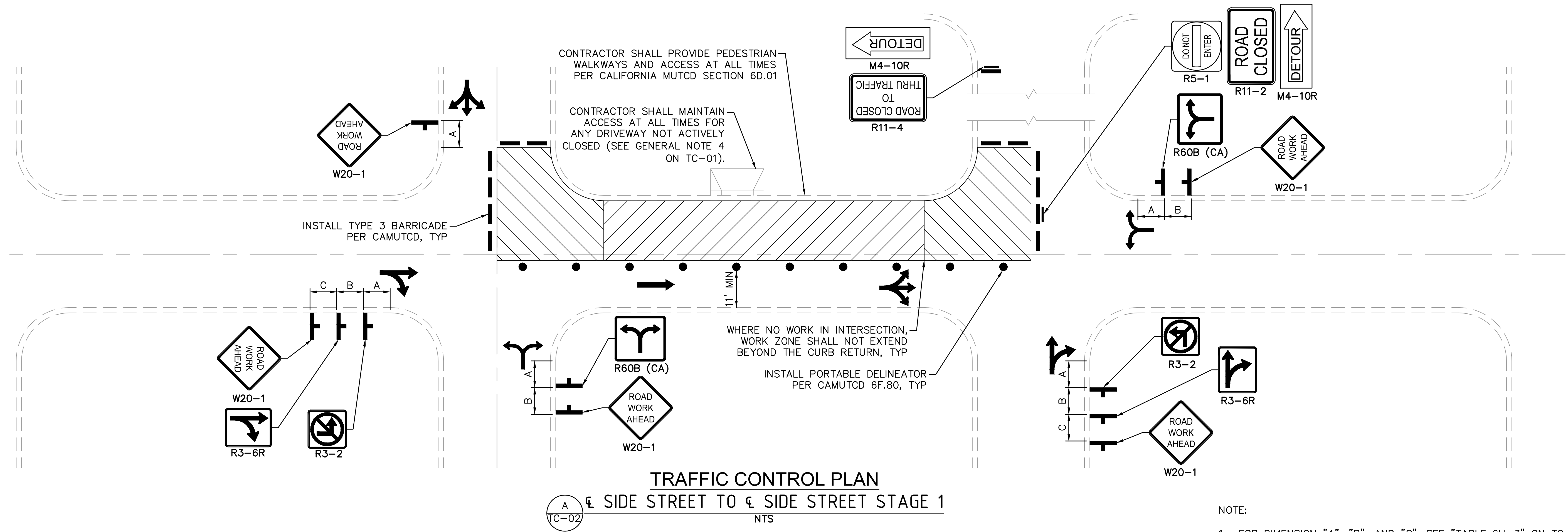
TRAFFIC CONTROL  
KEY MAP AND NOTES  
  
CAPITAL PROJECT No. 22-001  
CITYWIDE STREET RECONSTRUCTION  
AND IMPROVEMENT PROJECT

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0 1/2"  
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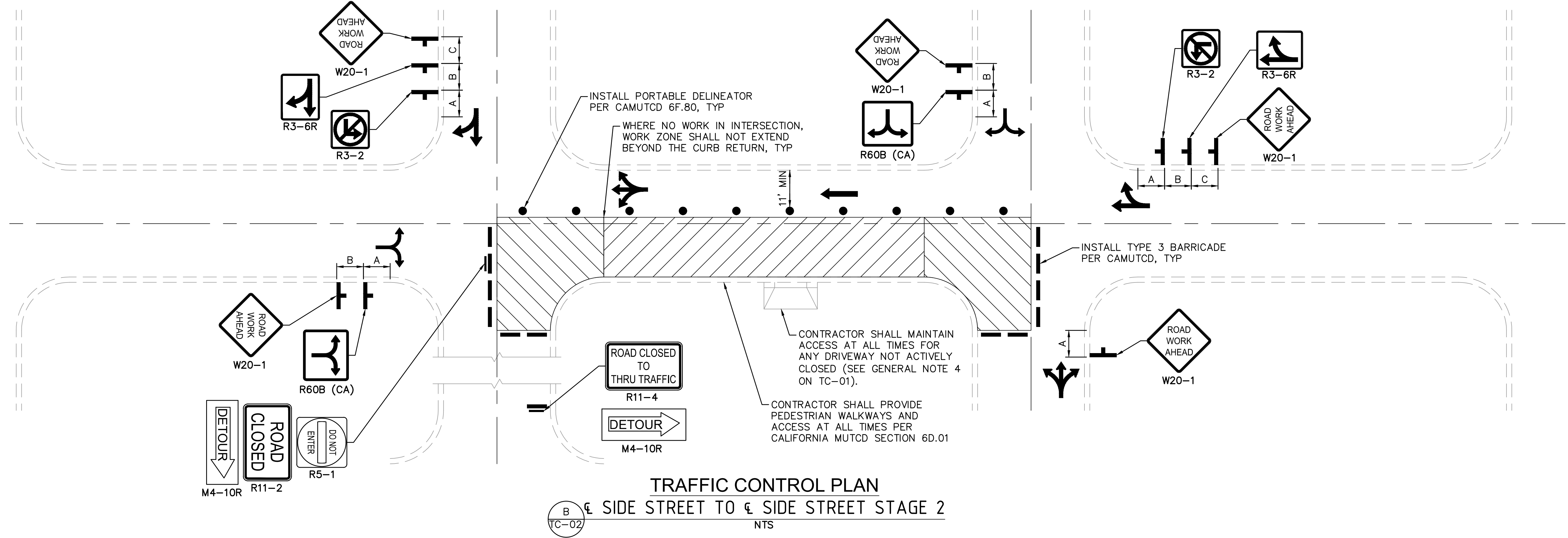
DRAWN BY: R. LIM  
  
REV. BY:  
  
CH. BY: C. MARTINELL  
  
DATE: 08/29/2022  
  
SCALE: AS SHOWN  
  
MBI PROJECT No. 187020

DRAWING No.  
  
**TC-01**  
  
SHEET:  
**14 OF 29**





NOTE:  
1. FOR DIMENSION "A", "B", AND "C", SEE "TABLE 6H-3" ON TC-01 SHEET.



22-001-P3-08-TC-02.dwg



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CHAD MARTINELL P.E.  
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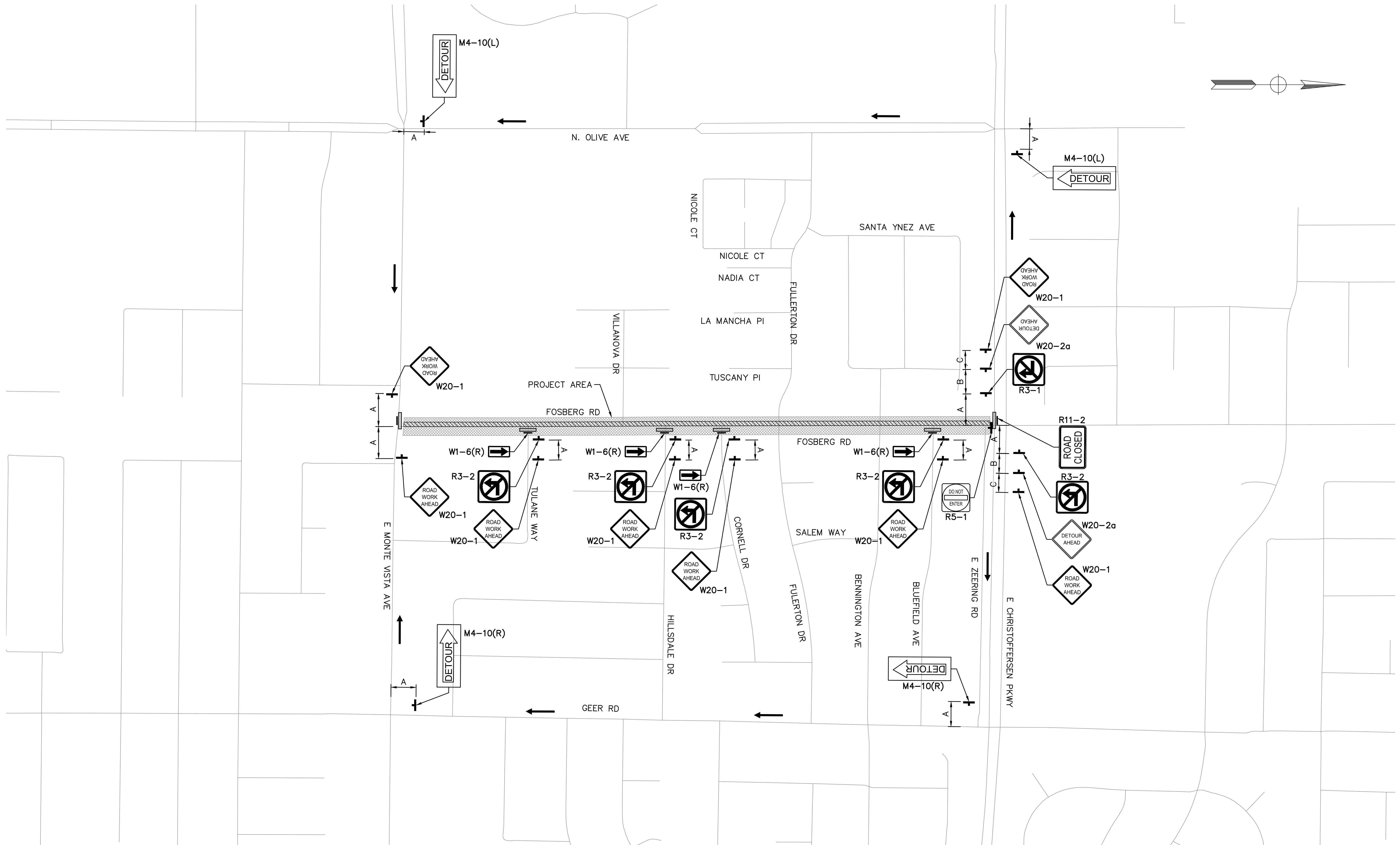
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CAPITAL PROJECT No. 22-001  
CITYWIDE STREET RECONSTRUCTION  
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REV. BY:  
CH. BY: C. MARTINELL  
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SCALE: AS SHOWN  
MBI PROJECT No. 187020

DRAWING No.  
**TC-02**  
SHEET:  
15 OF 29



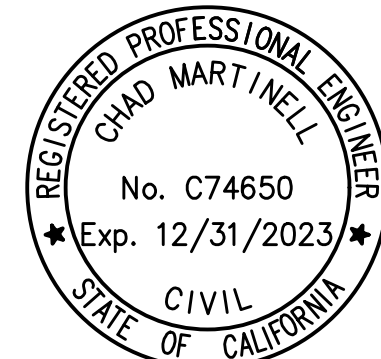


PLAN  
NTS



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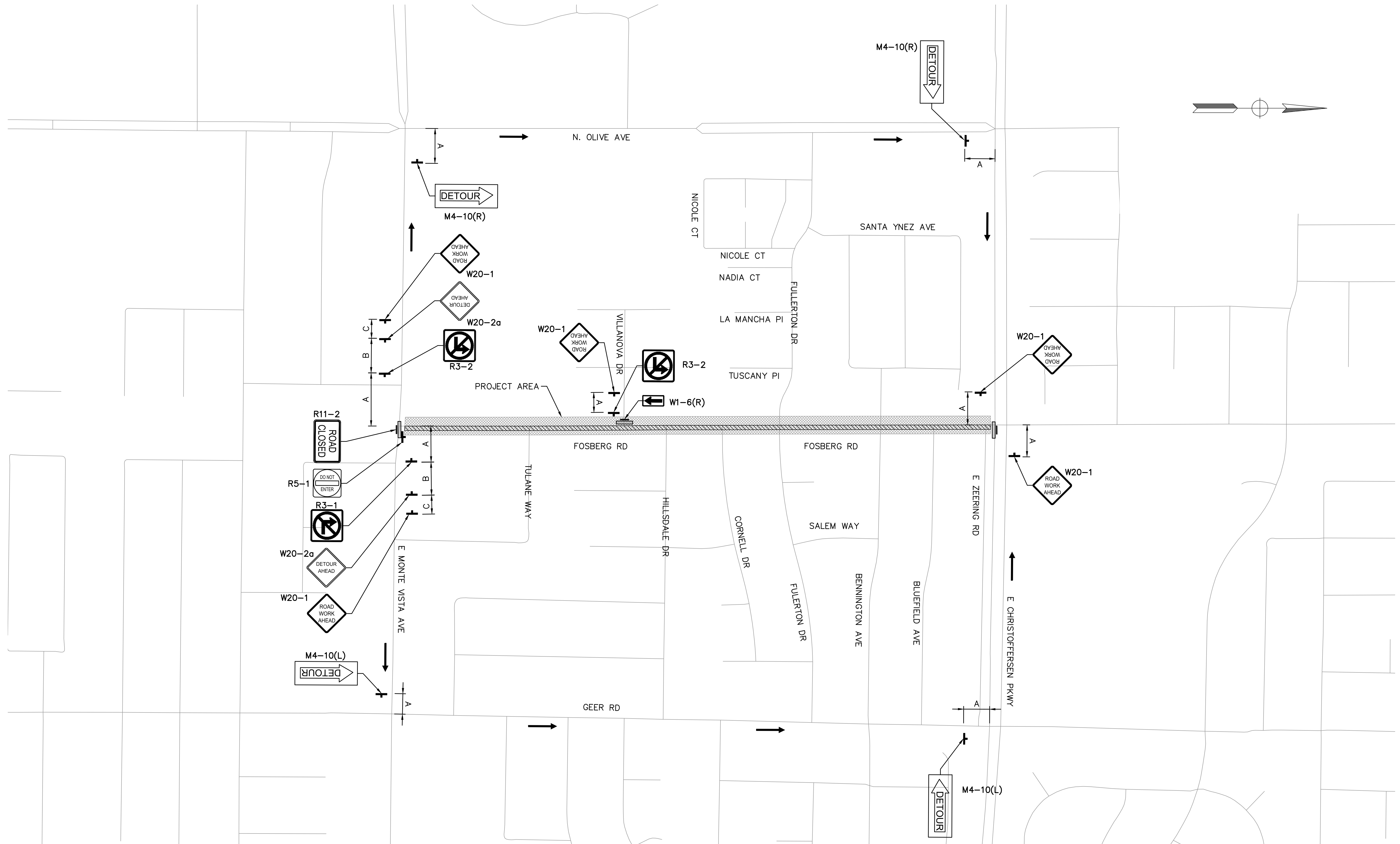
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STAGE 1  
CAPITAL PROJECT No. 22-001  
CITYWIDE STREET RECONSTRUCTION  
AND IMPROVEMENT PROJECT

VERIFY SCALE  
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ORIGINAL DRAWING  
1/4" 3/4" 1"  
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DATE: 08/29/2022  
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DRAWING No.  
TD-01  
SHEET:  
16 OF 29





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TRAFFIC DETOUR  
STAGE 2  
CAPITAL PROJECT No. 22-001  
CITYWIDE STREET RECONSTRUCTION  
AND IMPROVEMENT PROJECT

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1/4" 3/4" 1"  
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CH. BY: C. MARTINELL  
DATE: 08/29/2022  
SCALE: AS SHOWN  
MBI PROJECT No. 187020

DRAWING No.  
**TD-02**  
SHEET:  
17 OF 29

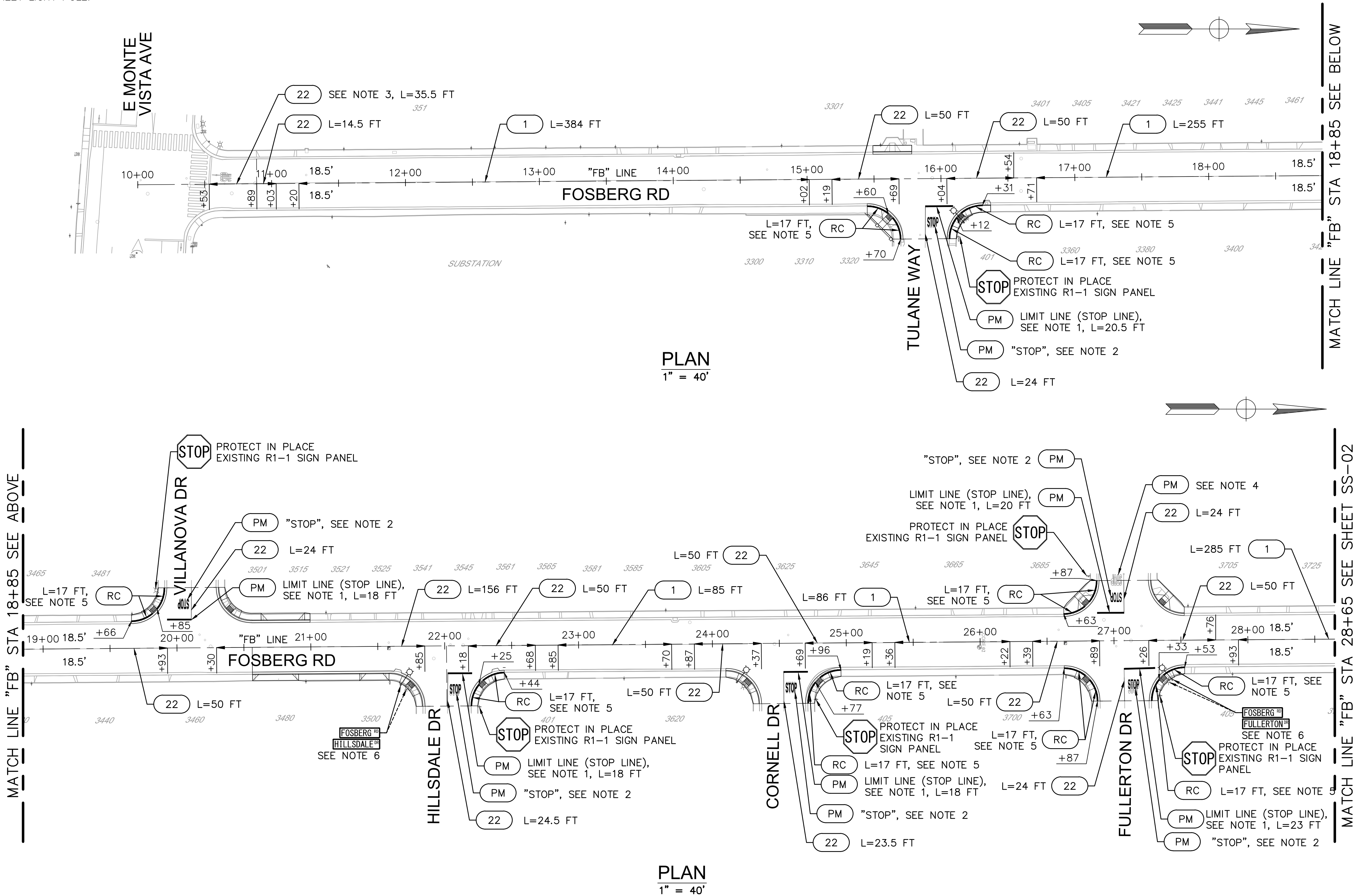


NOTES:

1. INSTALL LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN RSP A24G.
2. INSTALL "STOP" MARKING PER CALTRANS STANDARD PLAN A24D.
3. REMOVE EXISTING STRIPING BY SANDBLASTING AND REPLACE WITH DETAIL 22 PER CALTRANS STANDARD PLAN A20A.
4. REMOVE EXISTING PAVEMENT MARKING BY SANDBLASTING.
5. PAINT RED CURB.
6. REMOVE EXISTING STREET NAME SIGN PANEL FROM STREET LIGHT POLE.  
INSTALL STREET NAME SIGN PANELS PER STANDARD ST-12 ON  
REPLACED/RELOCATED STREET LIGHT POLE.

LEGEND:

- # STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.
- PM PAVEMENT MARKING DETAIL
- RC RED CURB



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CHAD MARTINELL P.E.  
LICENSE No. C74650  
PLANS APPROVAL DATE



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**SIGNING AND STRIPING PLAN**  
**FOSBERG ROAD**  
**CAPITAL PROJECT No. 22-001**  
**CITYWIDE STREET RECONSTRUCTION**  
**AND IMPROVEMENT PROJECT**

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CH. BY: C. MARTINELL  
DATE: 08/29/2022  
SCALE: AS SHOWN  
MBI PROJECT No. 187020

DRAWING No.  
**SS-01**  
SHEET:  
18 OF 29

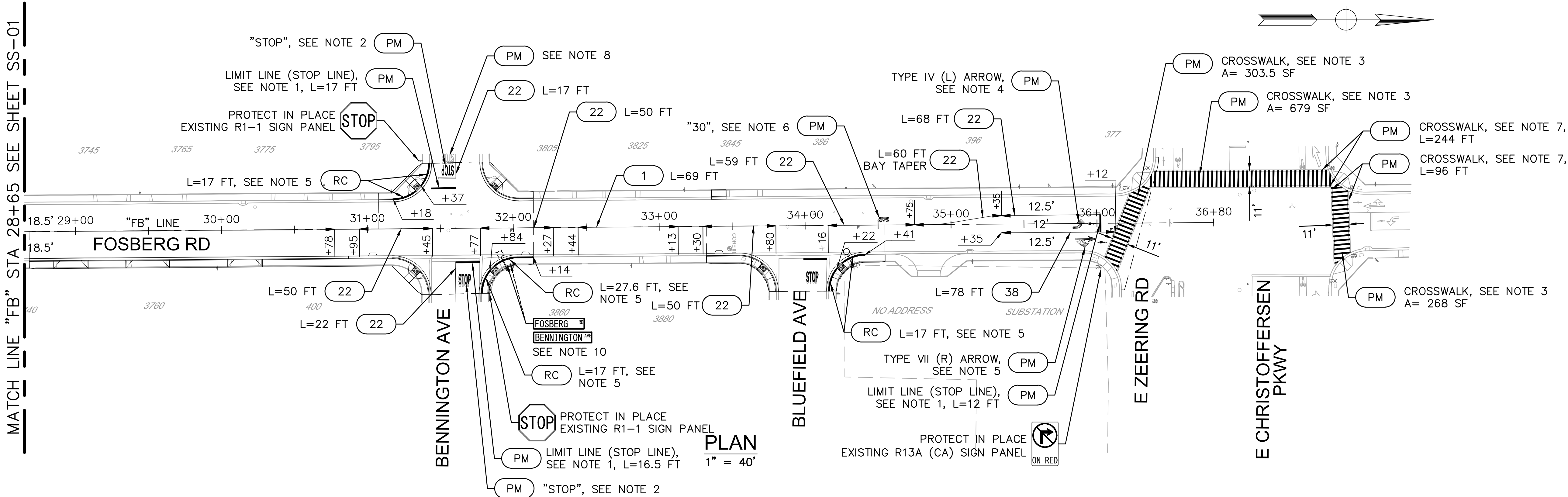


NOTES:

1. INSTALL LIMIT LINE (STOP LINE) PER CALTRANS STANDARD PLAN RSP A24G.
2. INSTALL "STOP" MARKING PER CALTRANS STANDARD PLAN A24D.
3. INSTALL CROSSWALK PER STD C-17.
4. INSTALL TYPE IV (L) ARROW PER CALTRANS STANDARD PLAN A24A.
5. INSTALL TYPE VII (R) ARROW PER CALTRANS STANDARD PLAN A24A.
6. INSTALL "30" NUMERAL MARKING PER CALTRANS STANDARD PLAN A24C.
7. REMOVE EXISTING CROSSWALK BY SANDBLASTING.
8. REMOVE EXISTING PAVEMENT MARKING BY SANDBLASTING.
9. PAINT RED CURB.
10. REMOVE EXISTING STREET NAME SIGN PANEL FROM STREET LIGHT POLE. INSTALL STREET NAME SIGN PANELS PER STANDARD ST-12 ON REPLACED/RELOCATED STREET LIGHT POLE.

LEGEND:

- # STRIPING DETAIL No. PER CALTRANS STANDARD PLANS A20A THROUGH A20D.
- PM PAVEMENT MARKING DETAIL
- RC RED CURB
- BIKE LOOP DETECTOR



NOTE:  
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LICENSE No. C74650  
PLANS APPROVAL DATE



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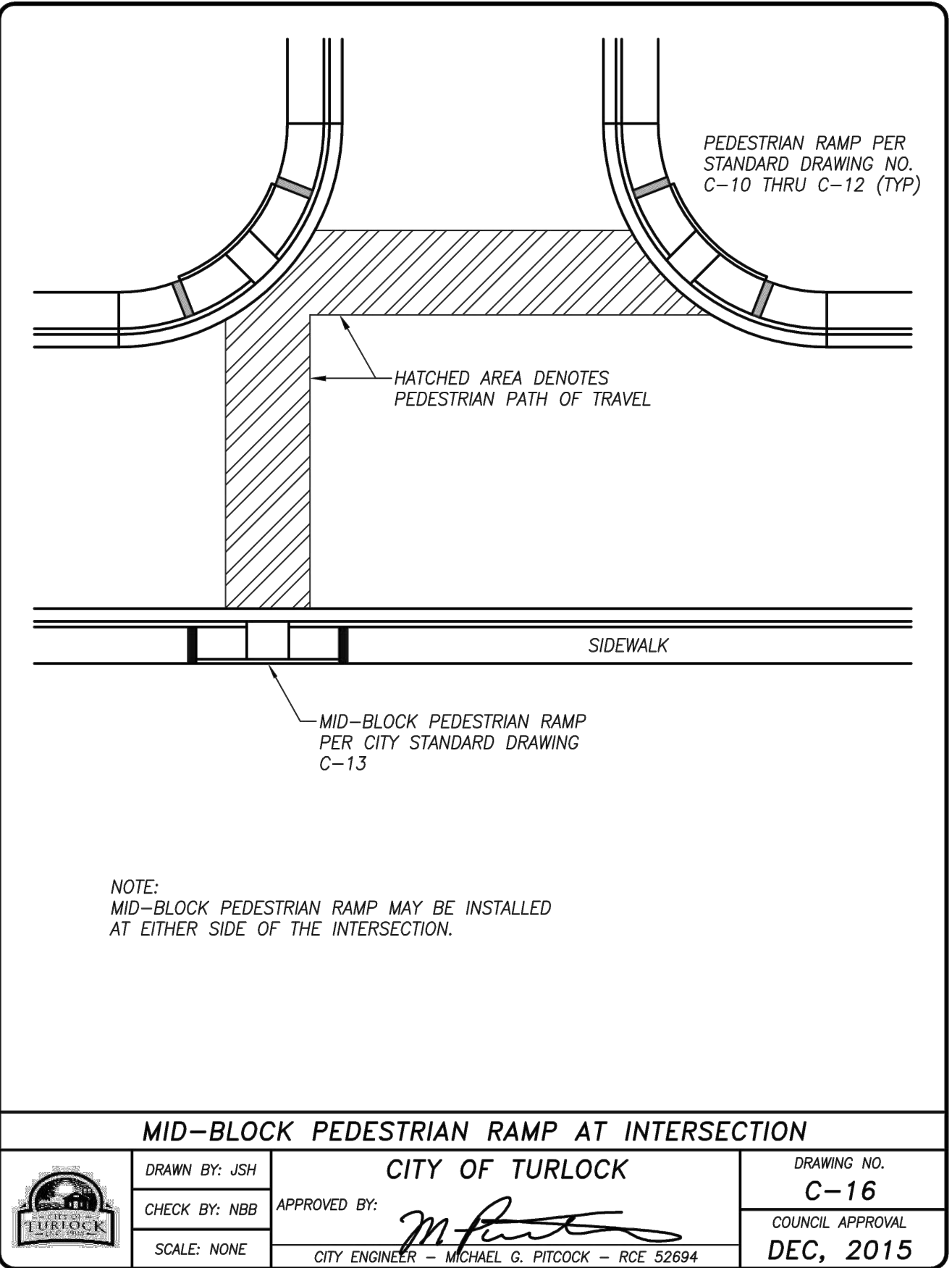
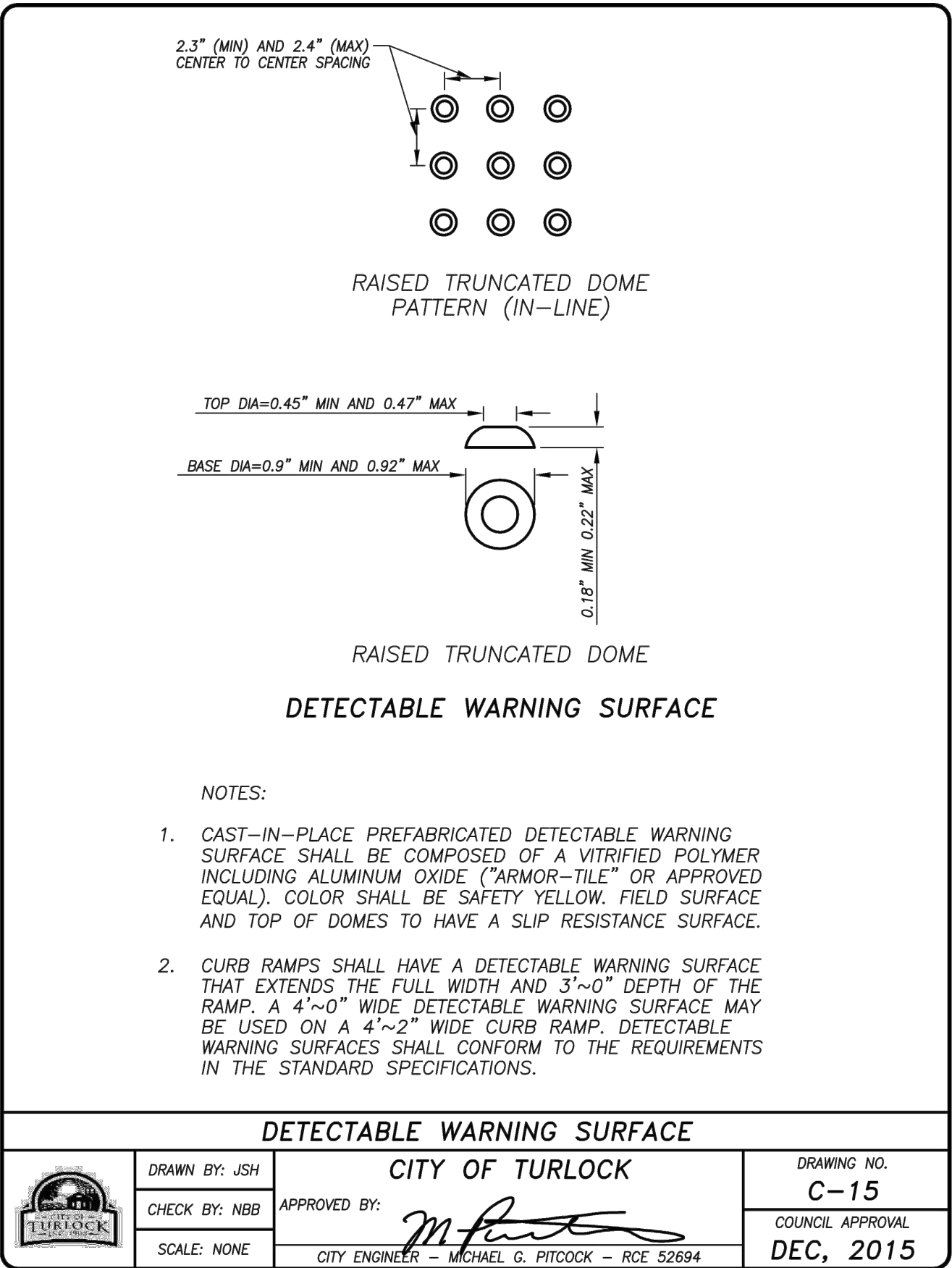
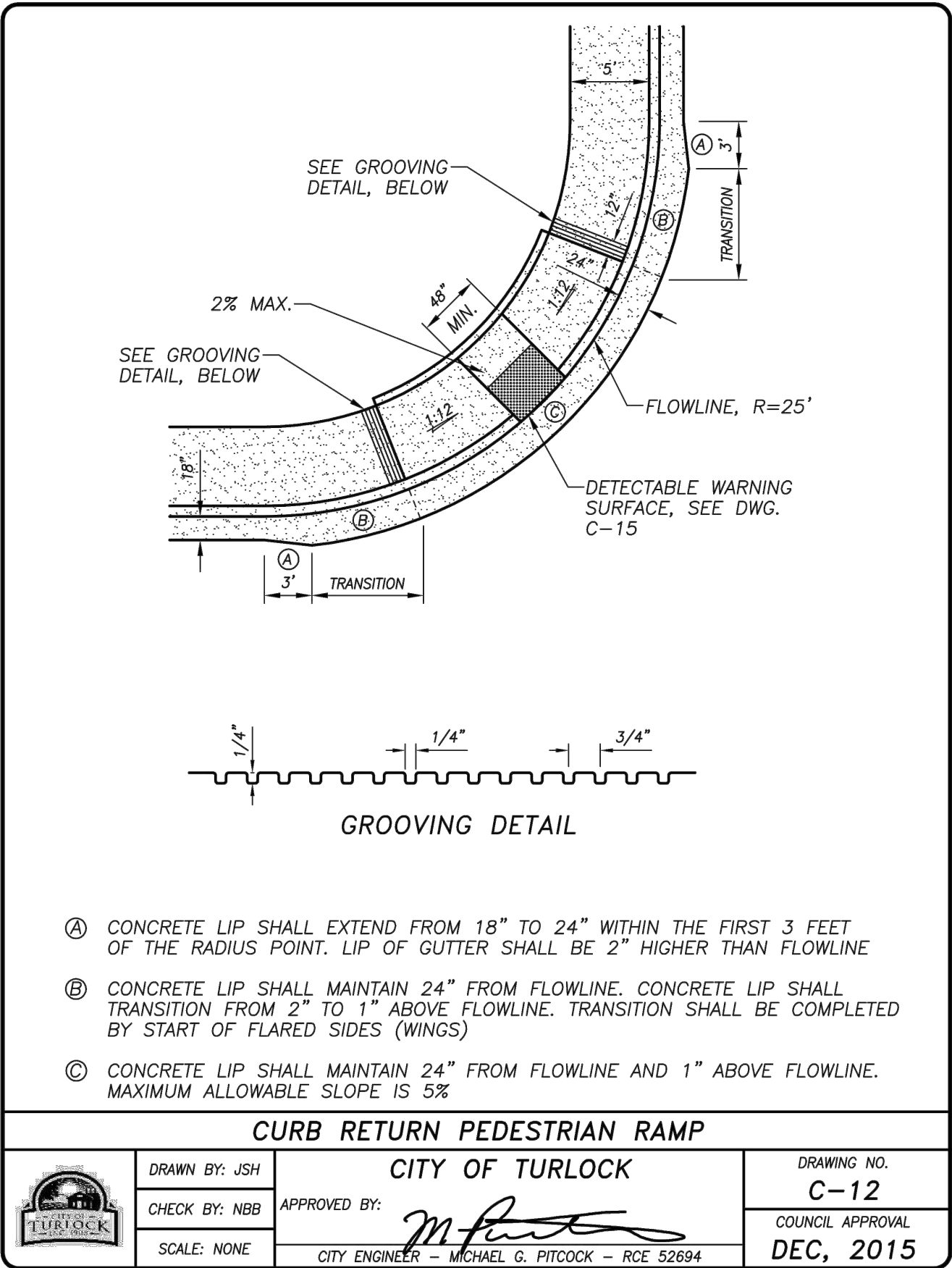
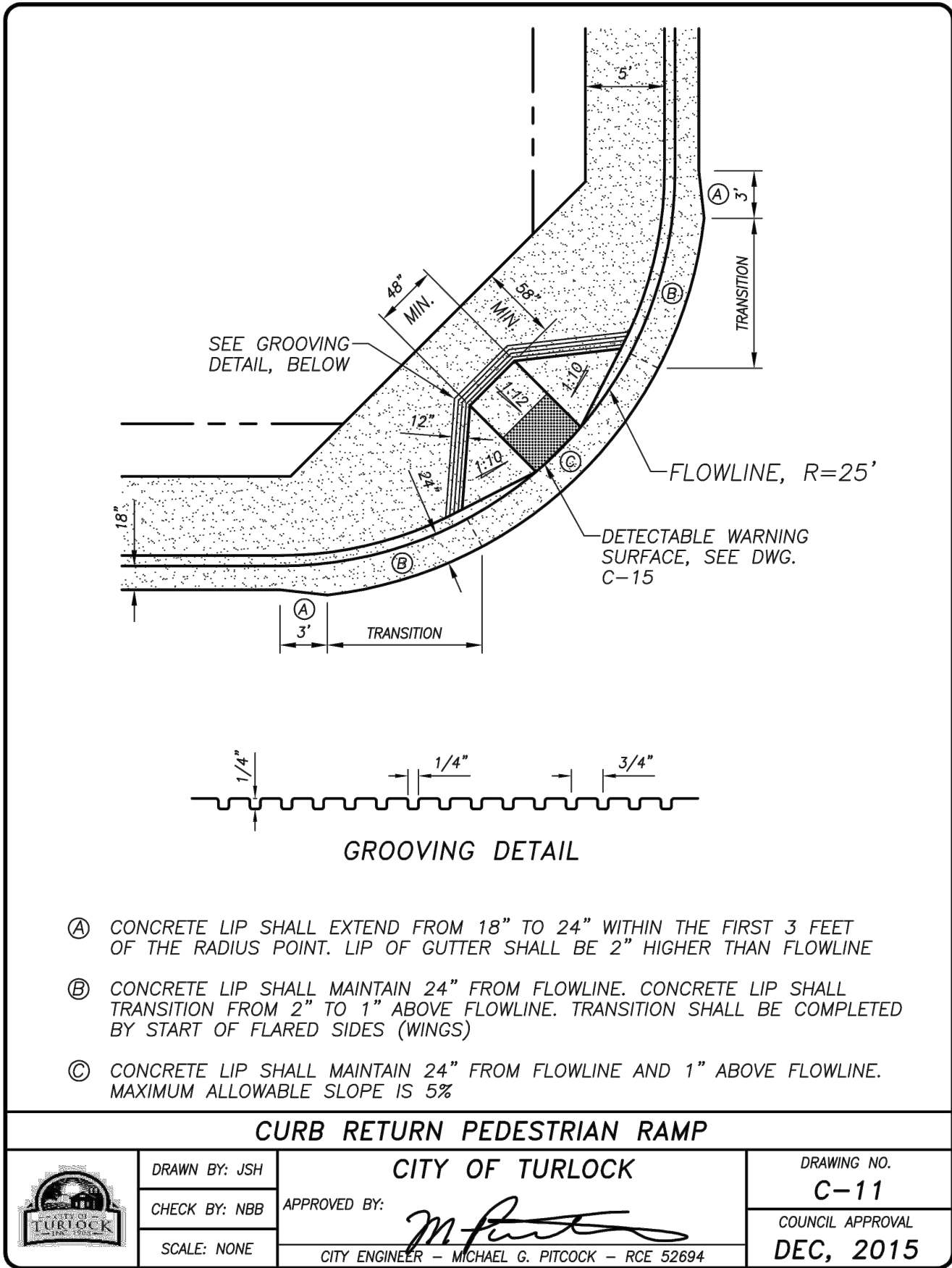
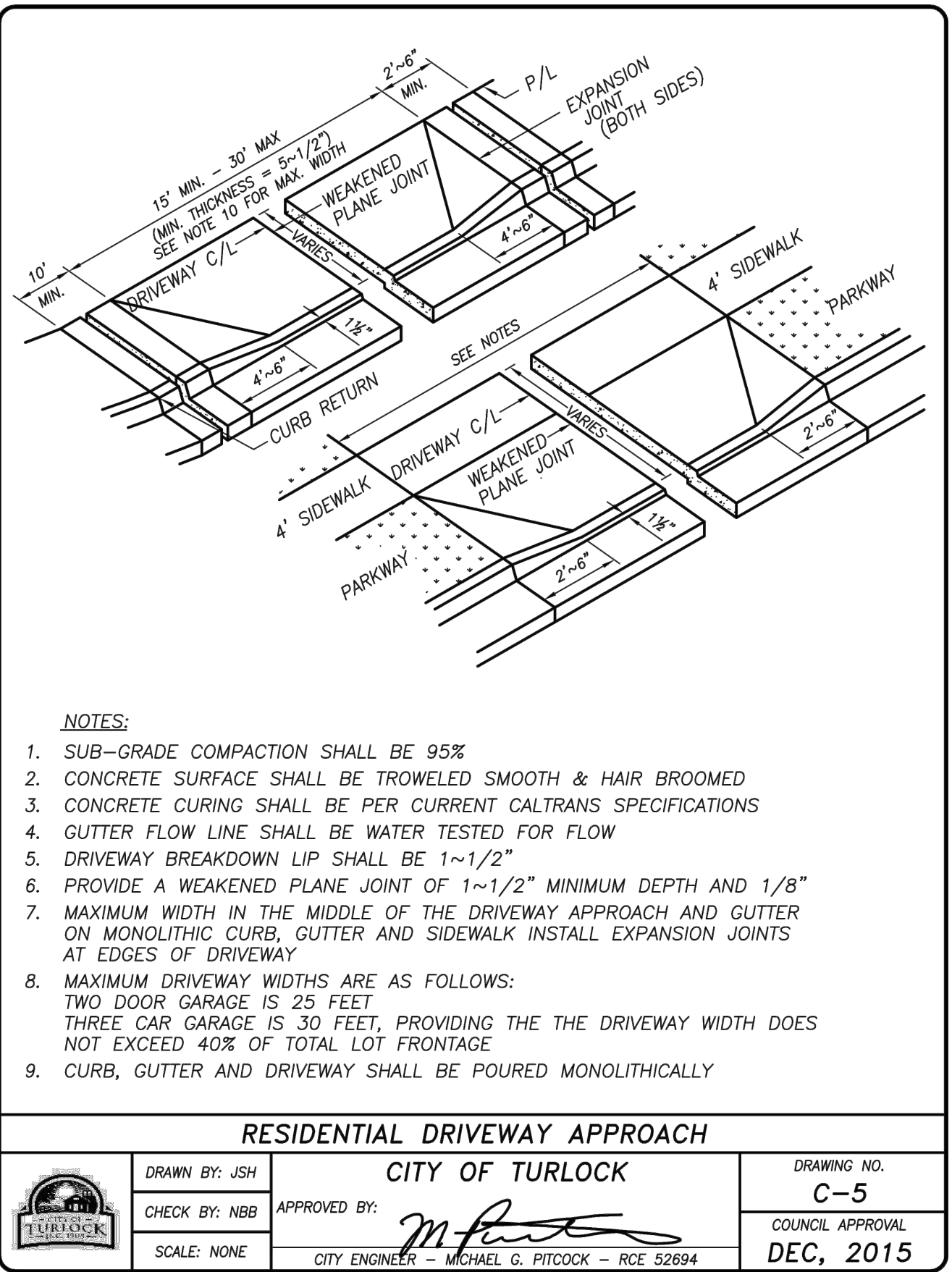
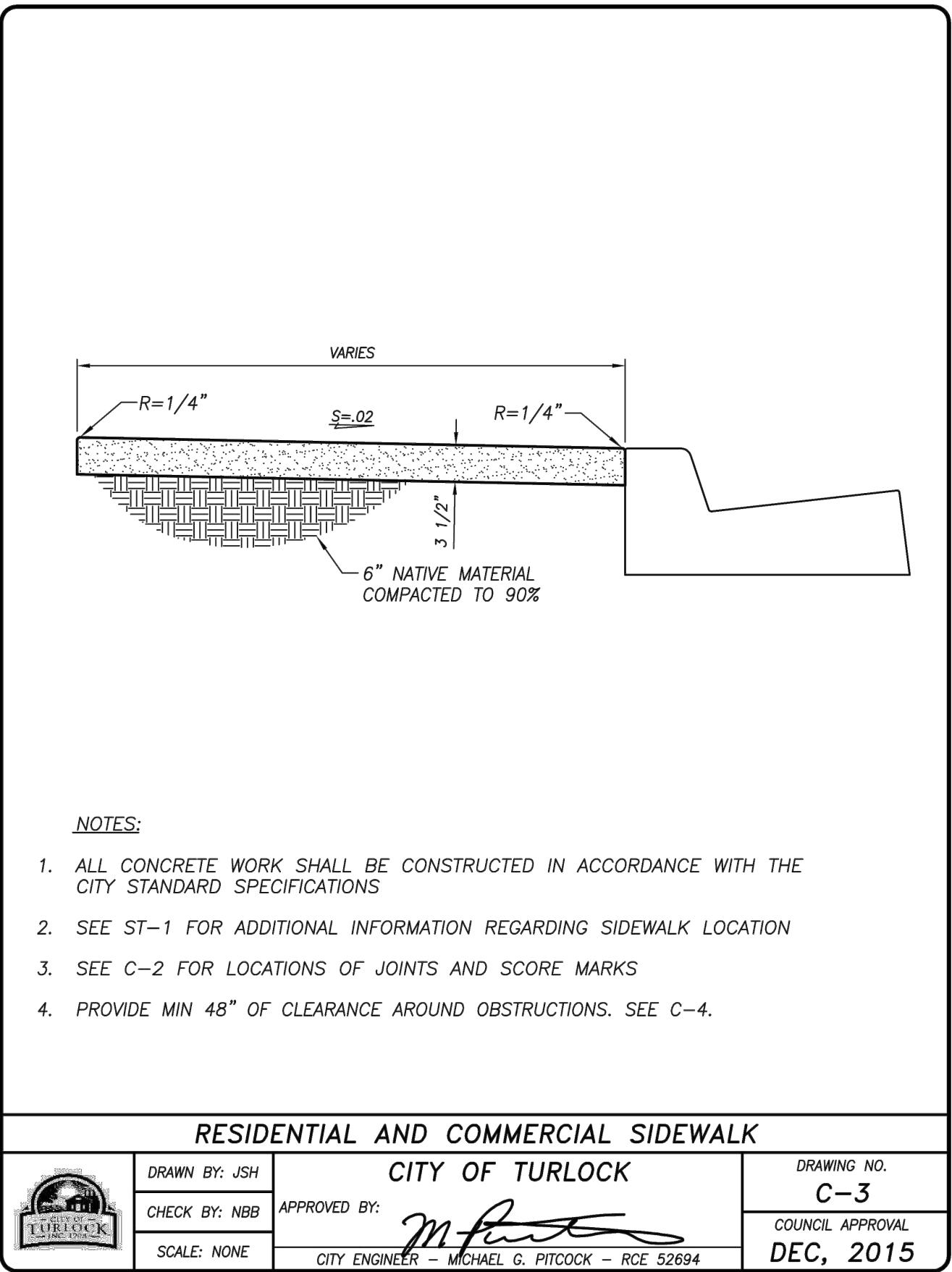
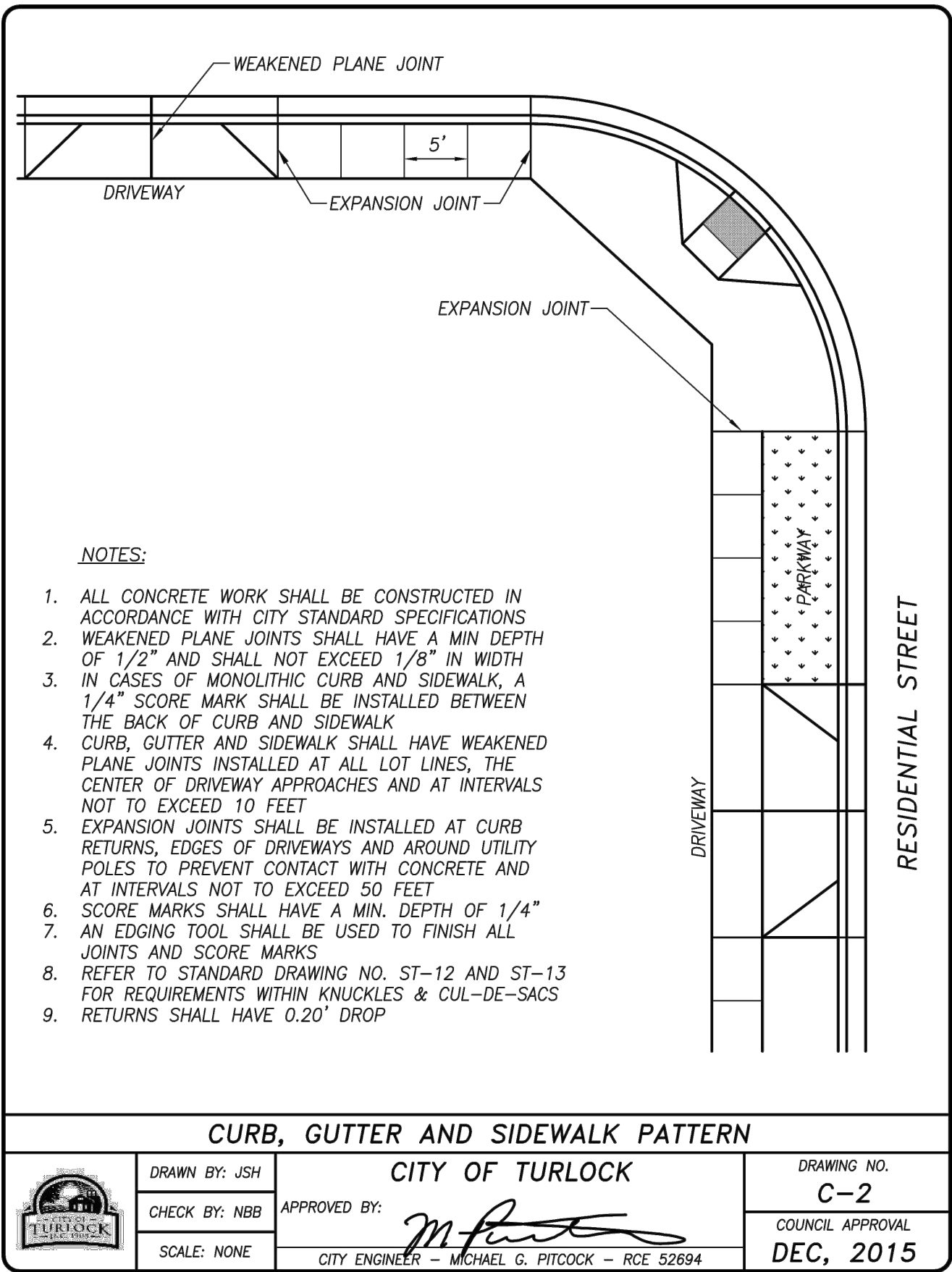
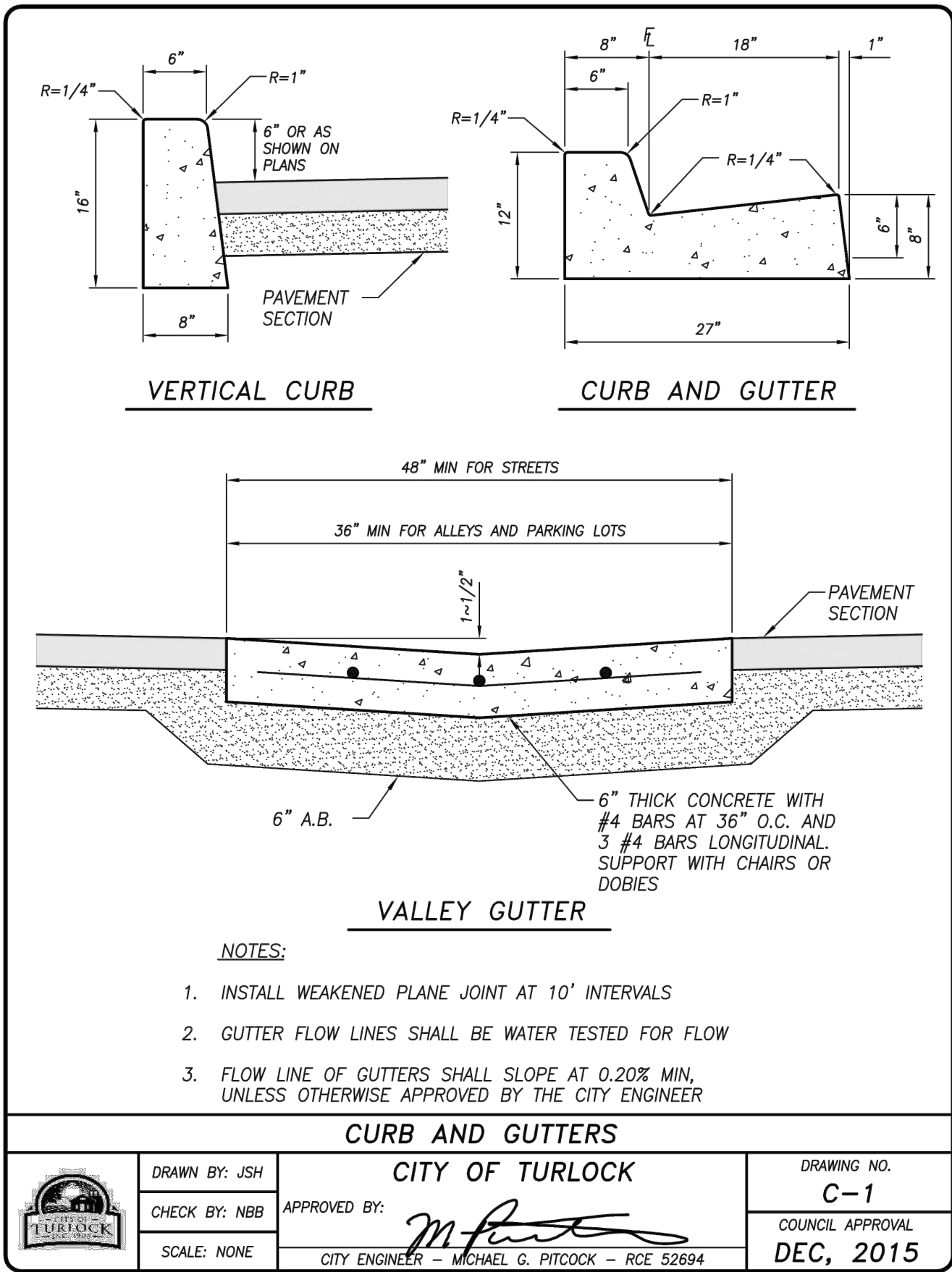
**SIGNING AND STRIPING PLAN**  
**FOSBERG ROAD**  
**CAPITAL PROJECT No. 22-001**  
**CITYWIDE STREET RECONSTRUCTION**  
**AND IMPROVEMENT PROJECT**

VERIFY SCALE  
BAR IS 1" ON  
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**SS-02**  
SHEET:  
19 OF 29





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Sulaiman Arain  
SULAIMAN ARAIN P.E.  
LICENSE No. C78364  
PLANS APPROVAL DATE



Michael Baker  
INTERNATIONAL  
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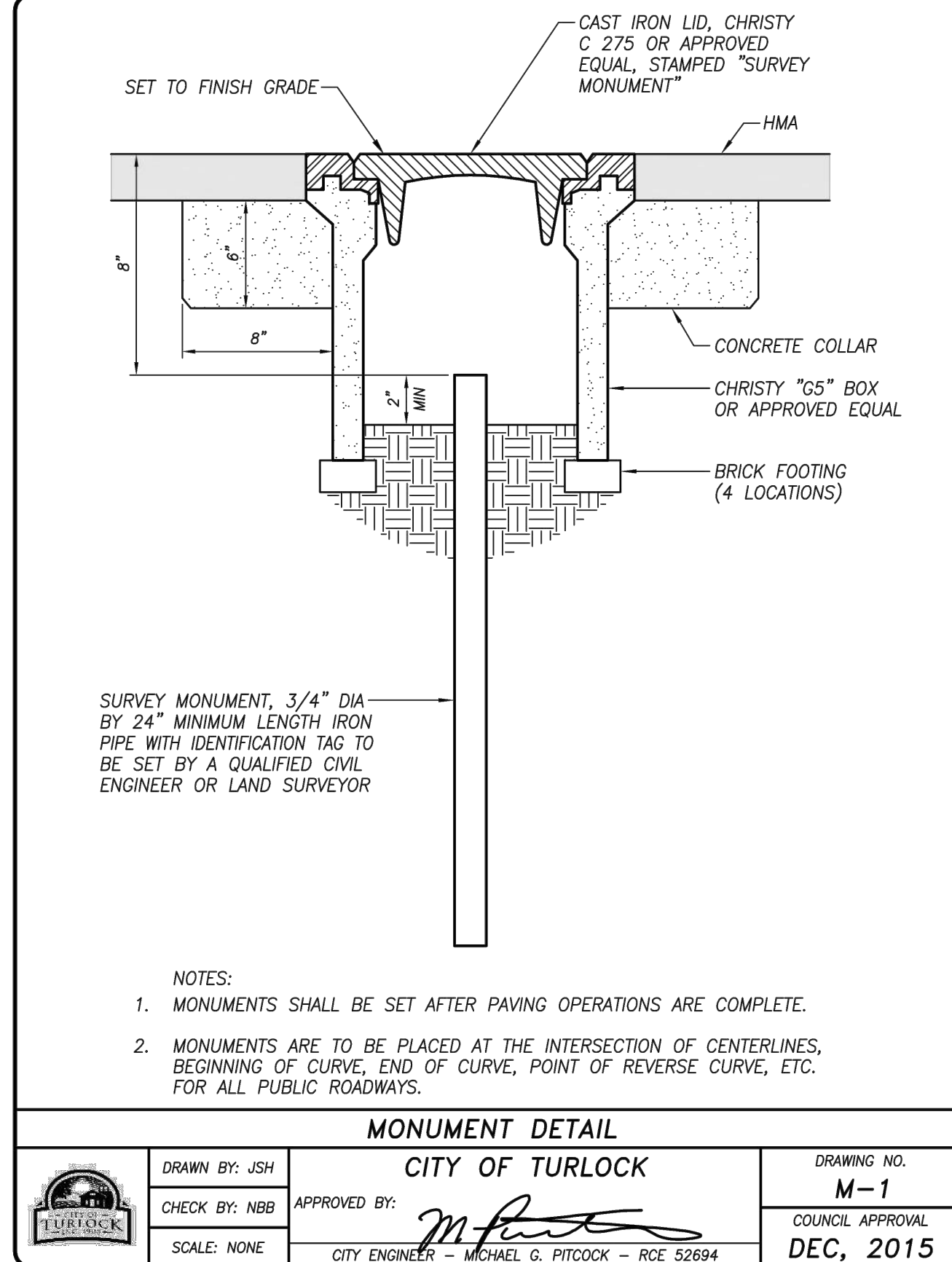
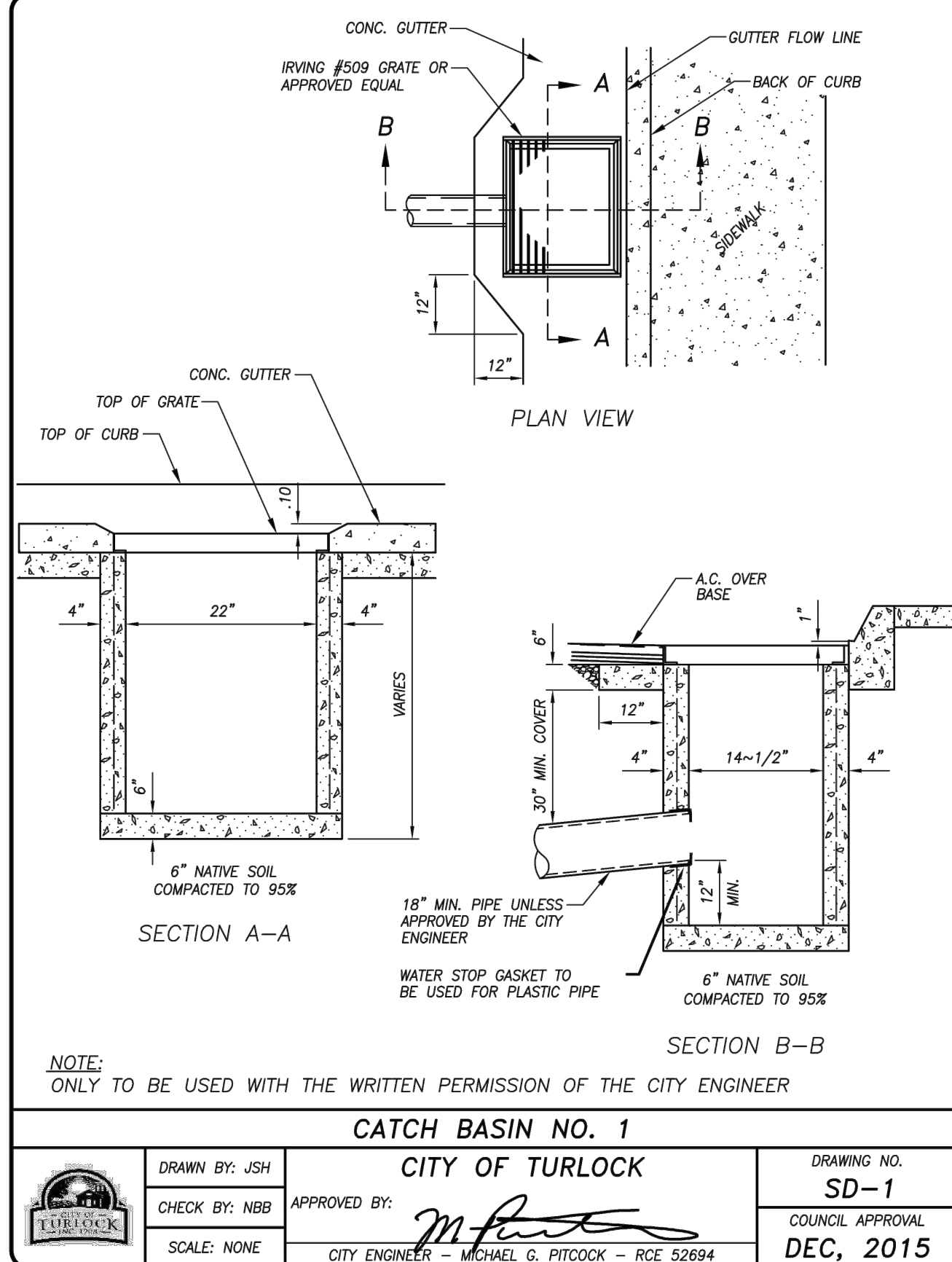
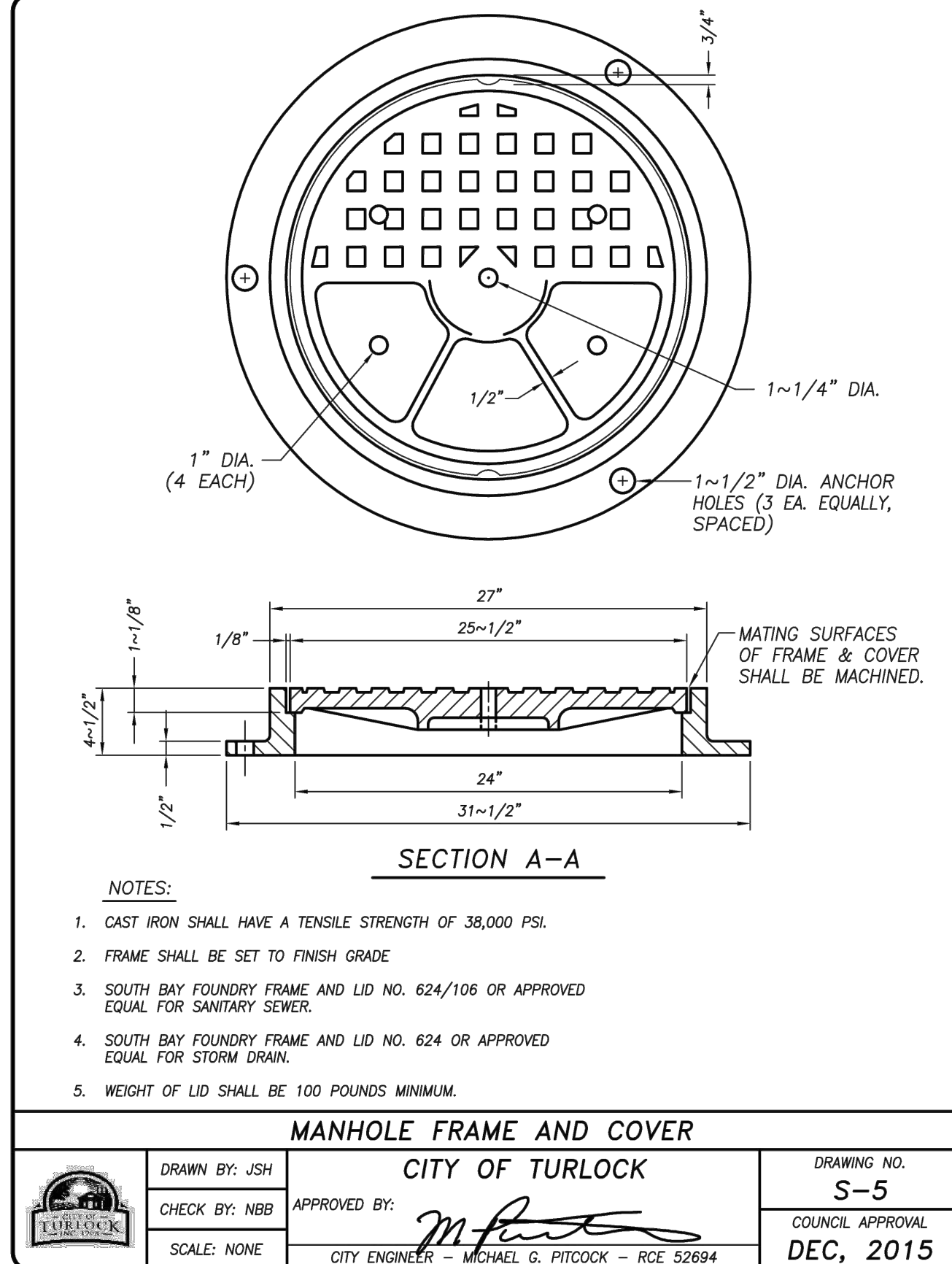
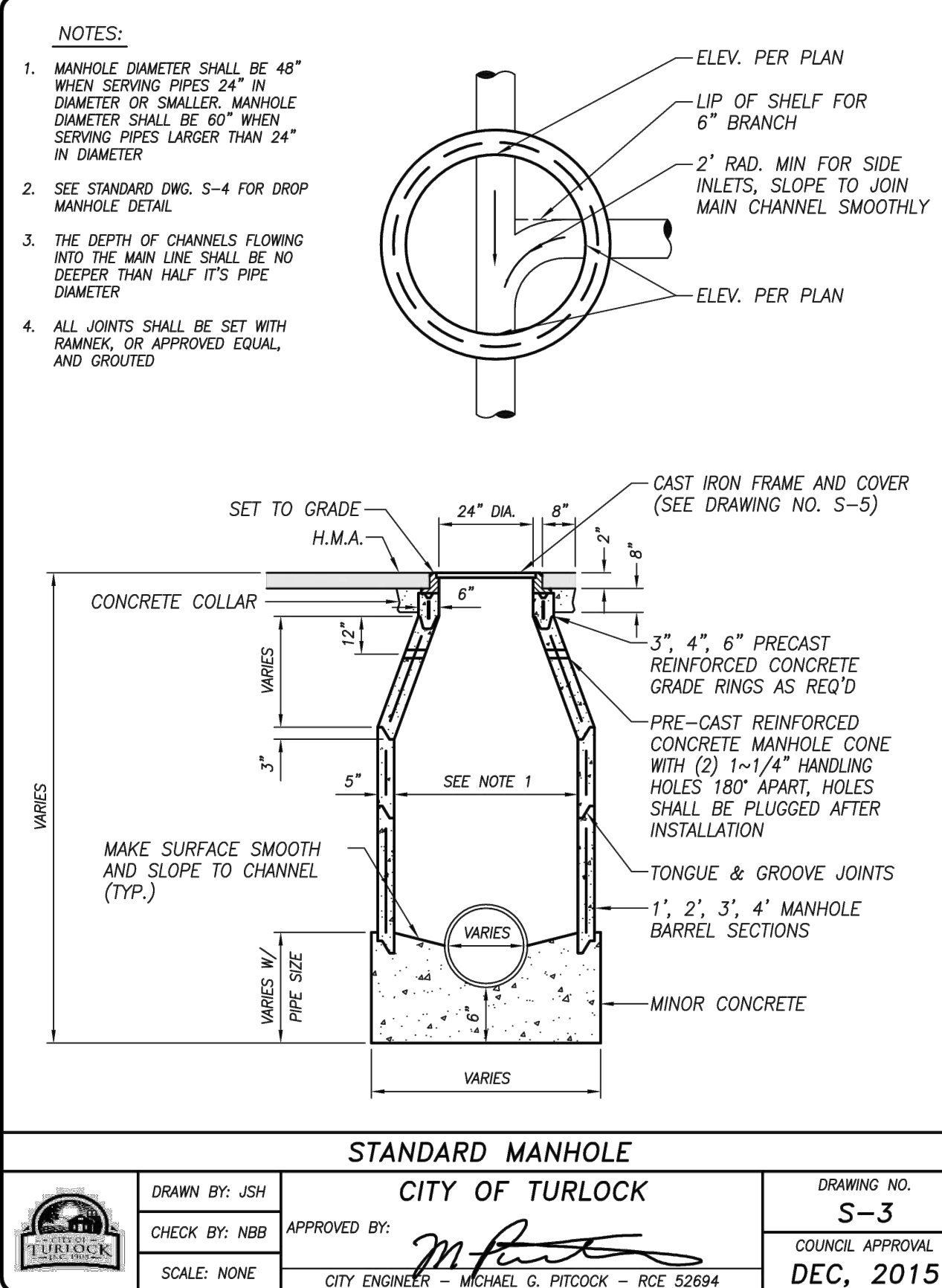
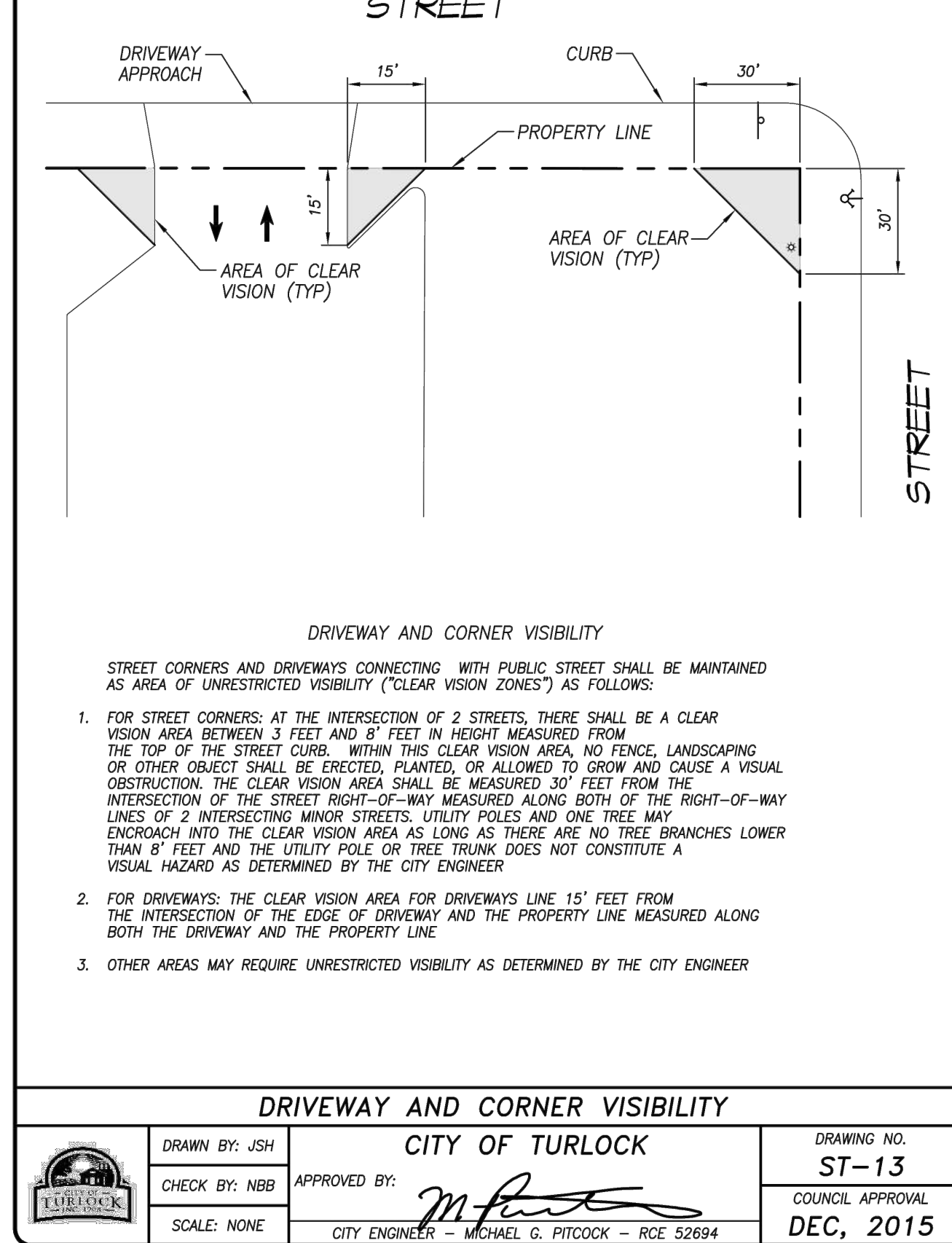
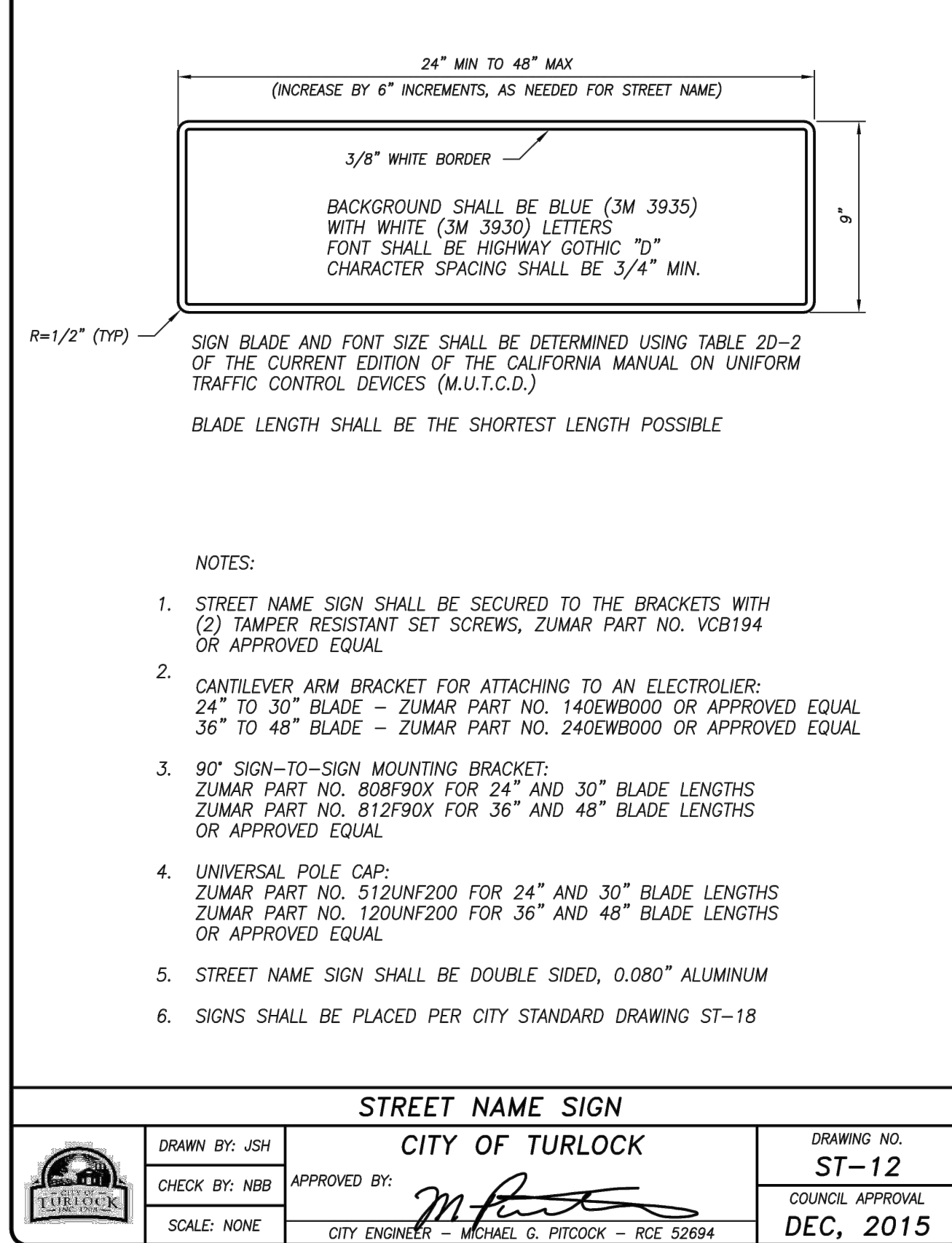
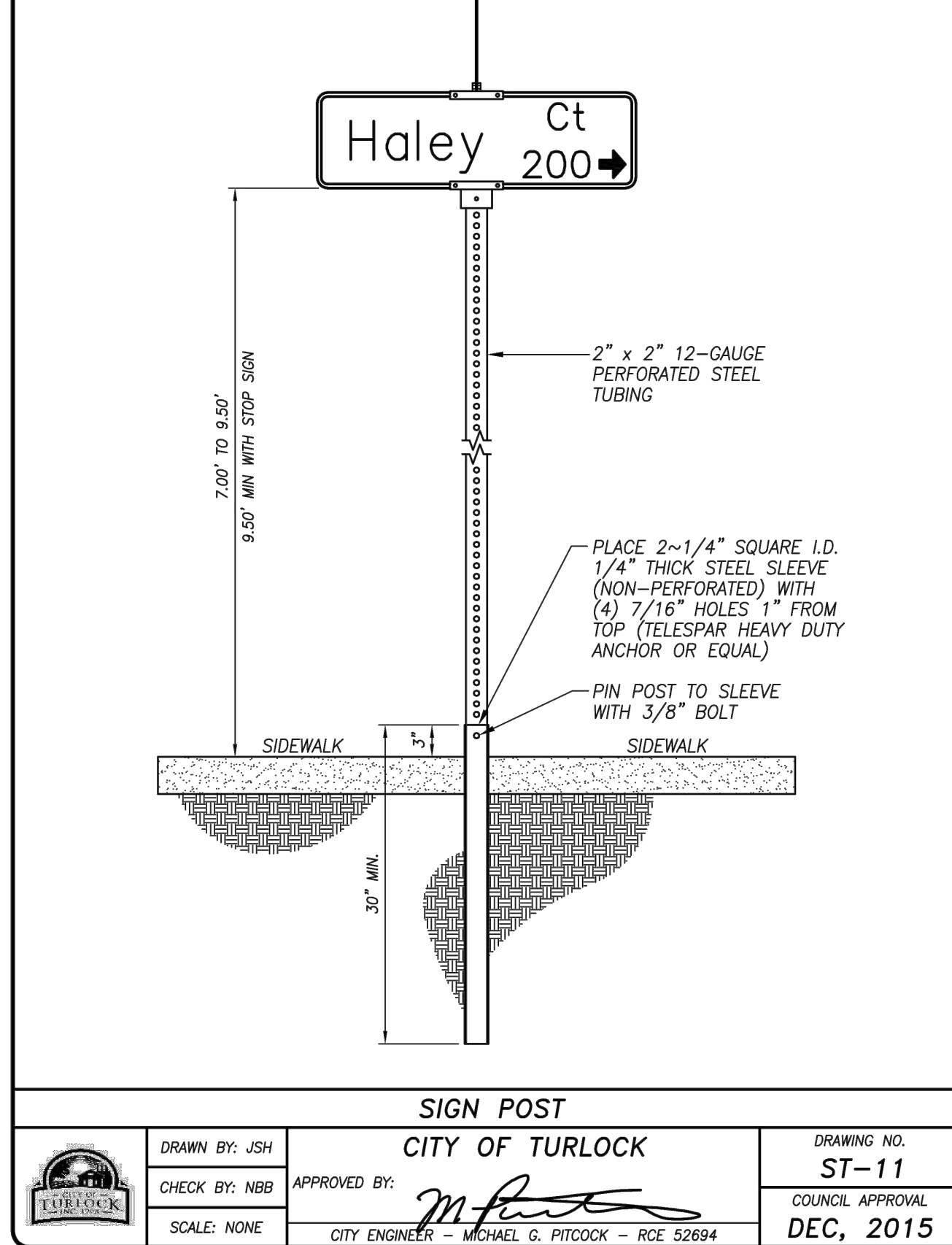
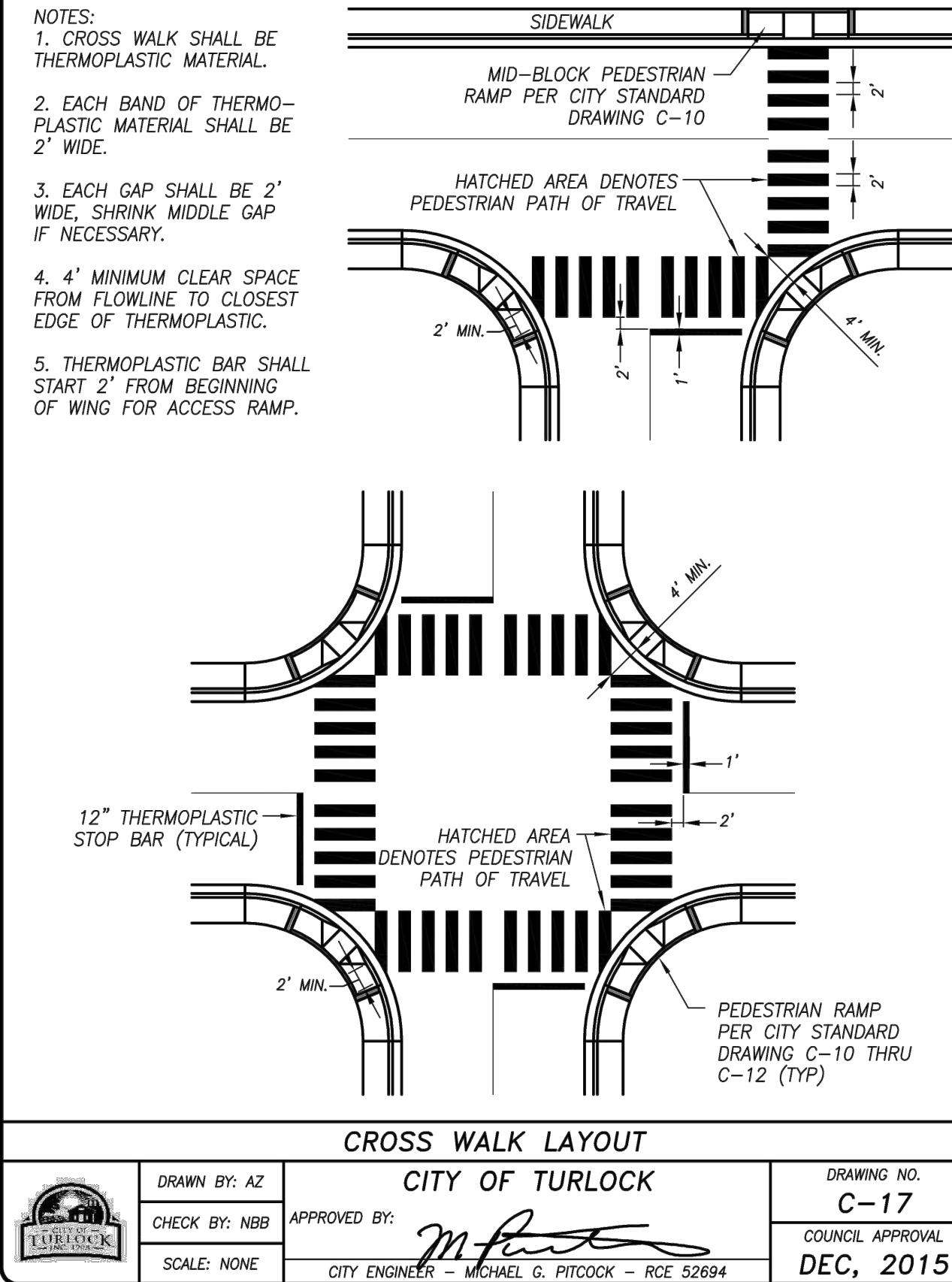
CONSTRUCTION DETAILS  
CAPITAL PROJECT No. 22-001  
CITYWIDE STREET RECONSTRUCTION  
AND IMPROVEMENT PROJECT

VERIFY SCALE  
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1/4" 3/4"  
0 1/2"  
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CD-01  
SHEET:  
20 OF 29



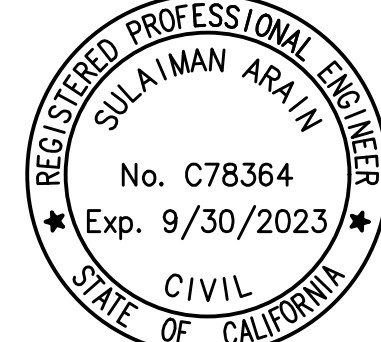


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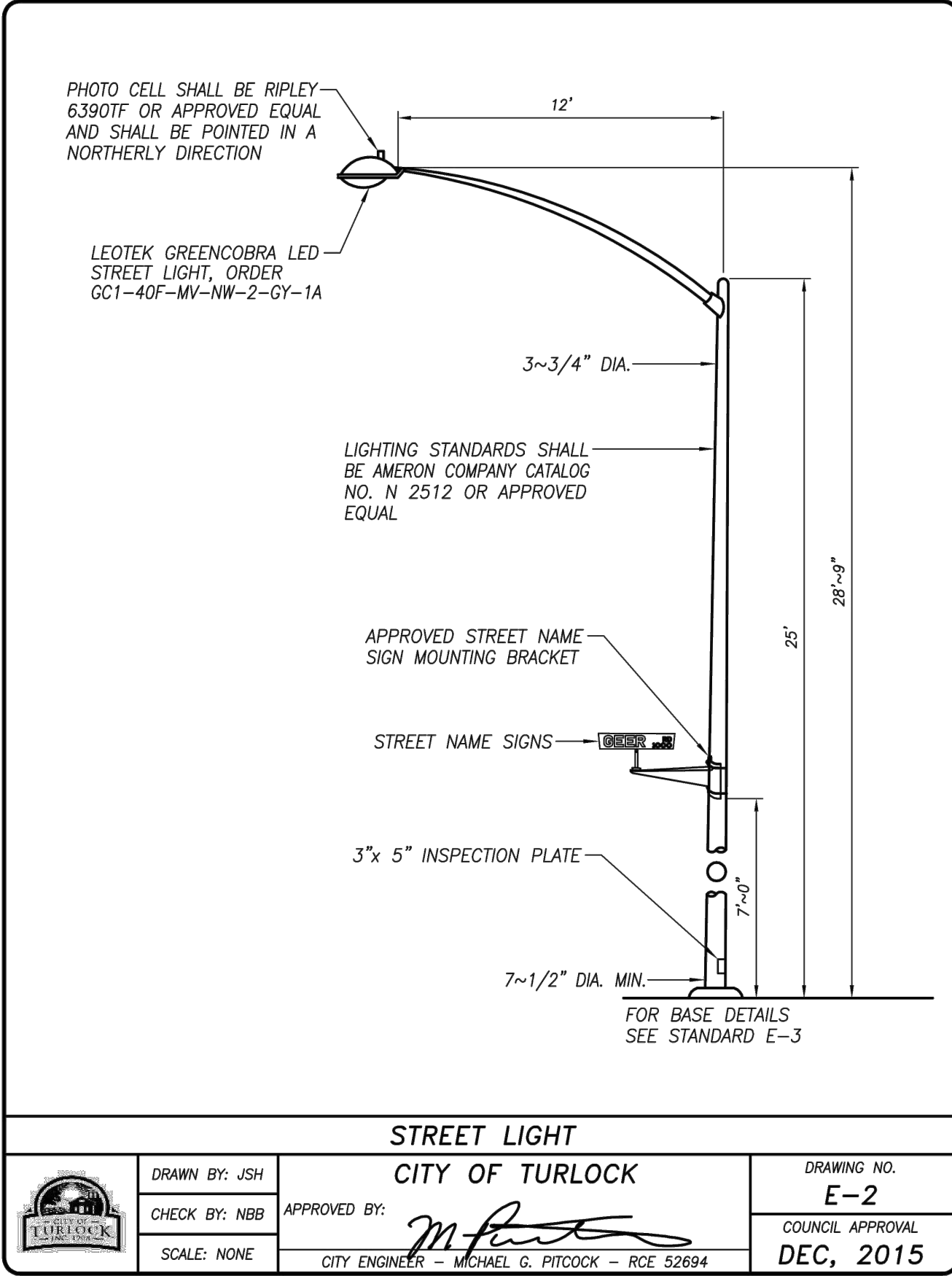
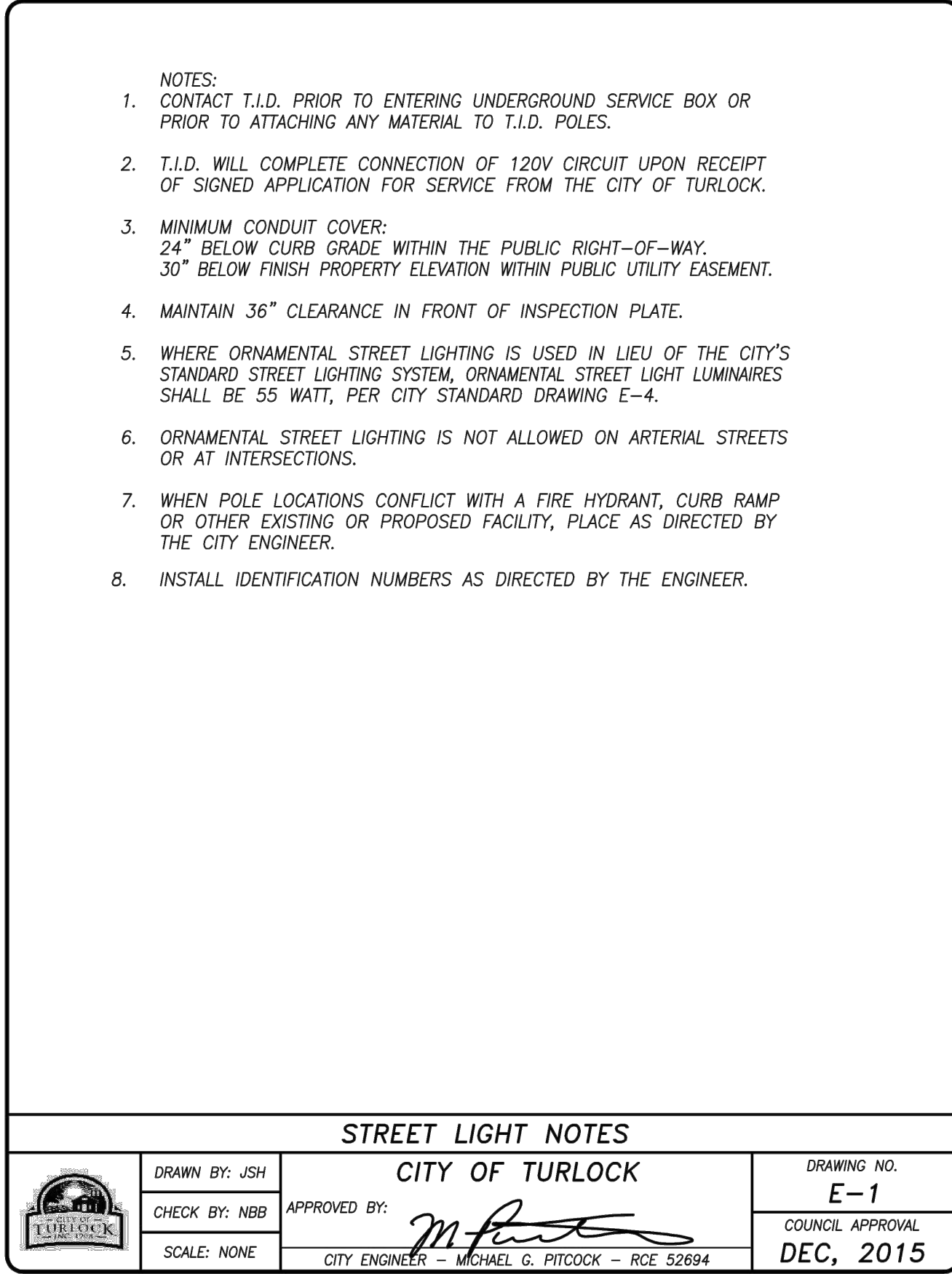
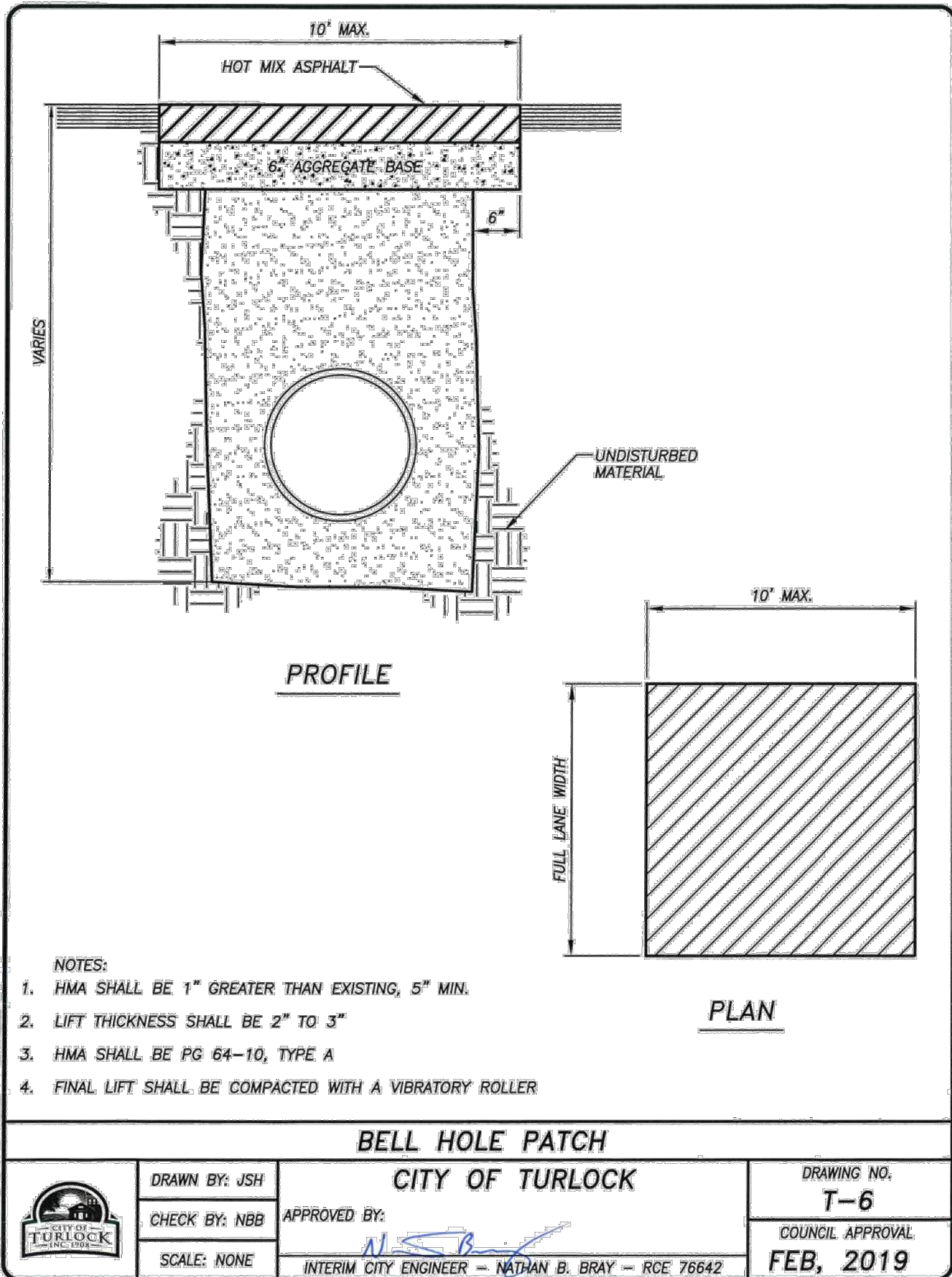
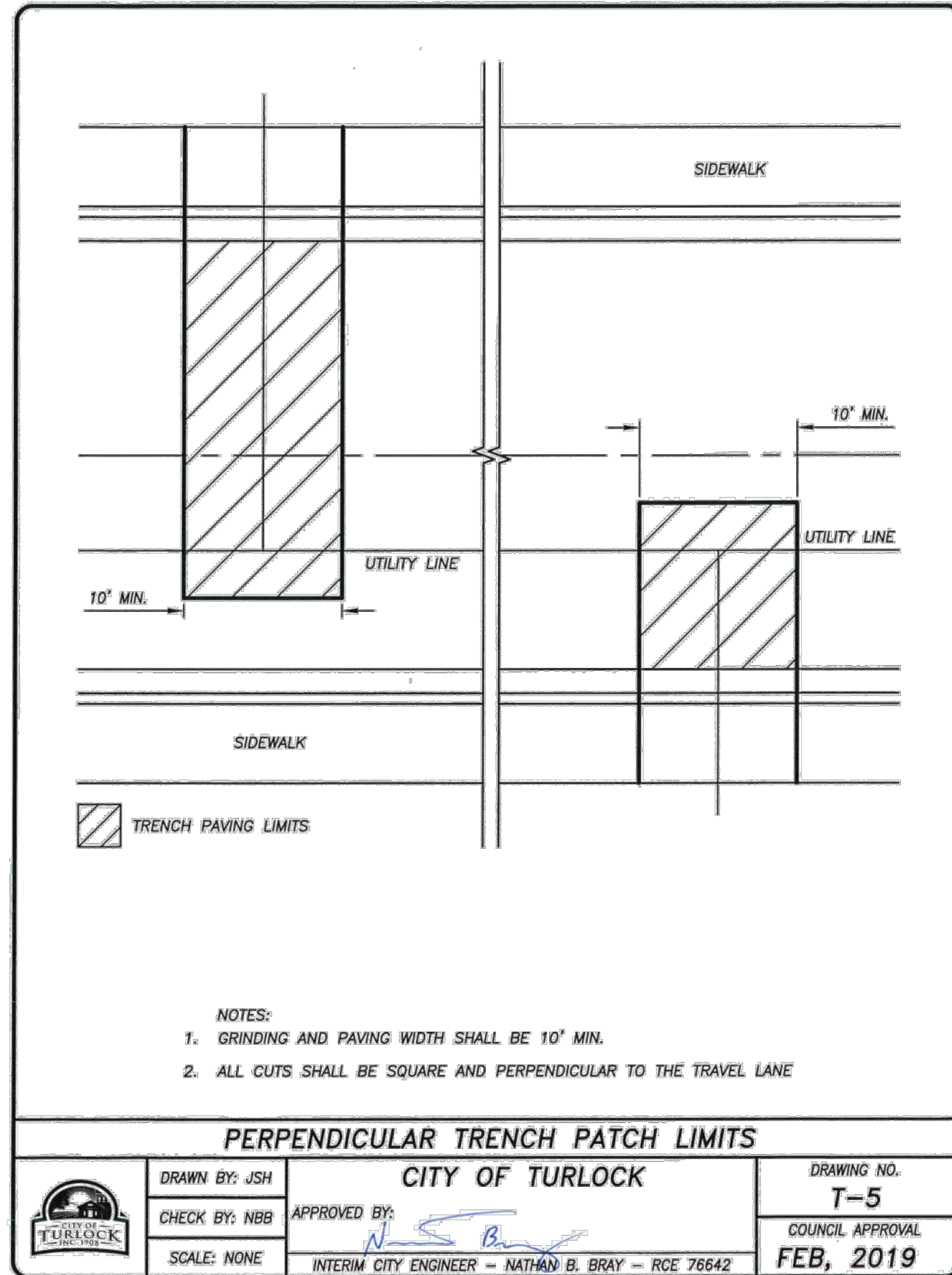
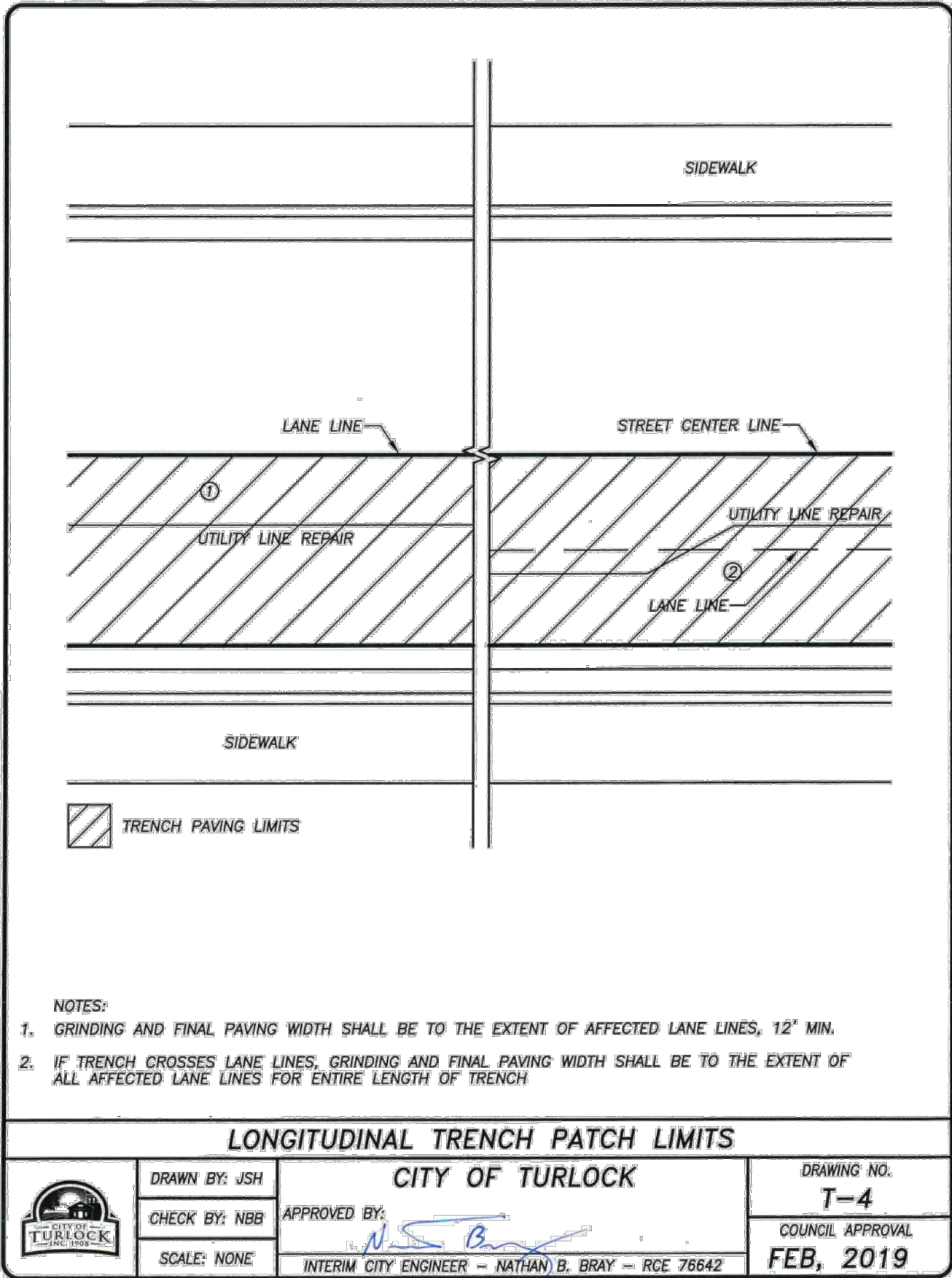
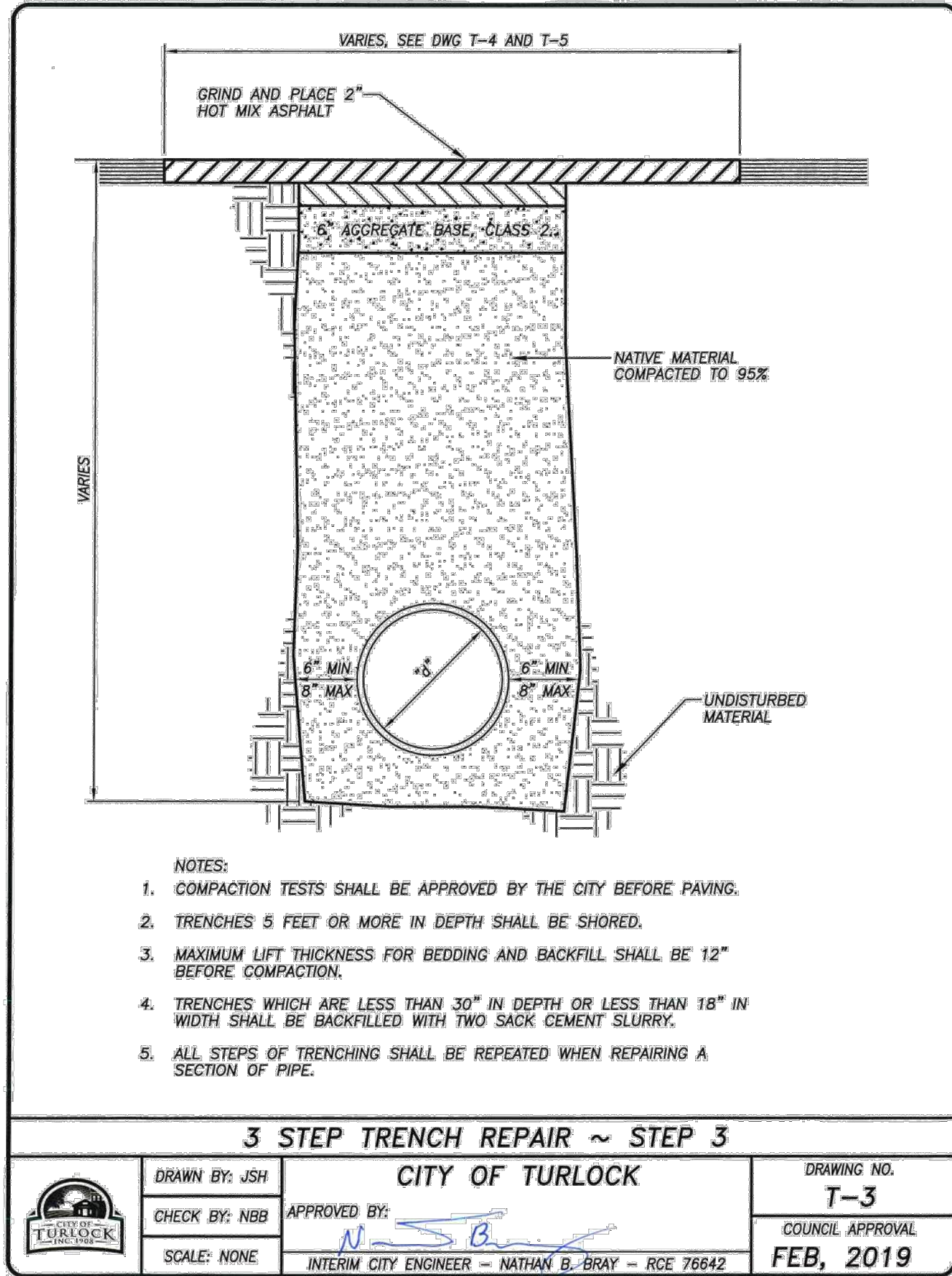
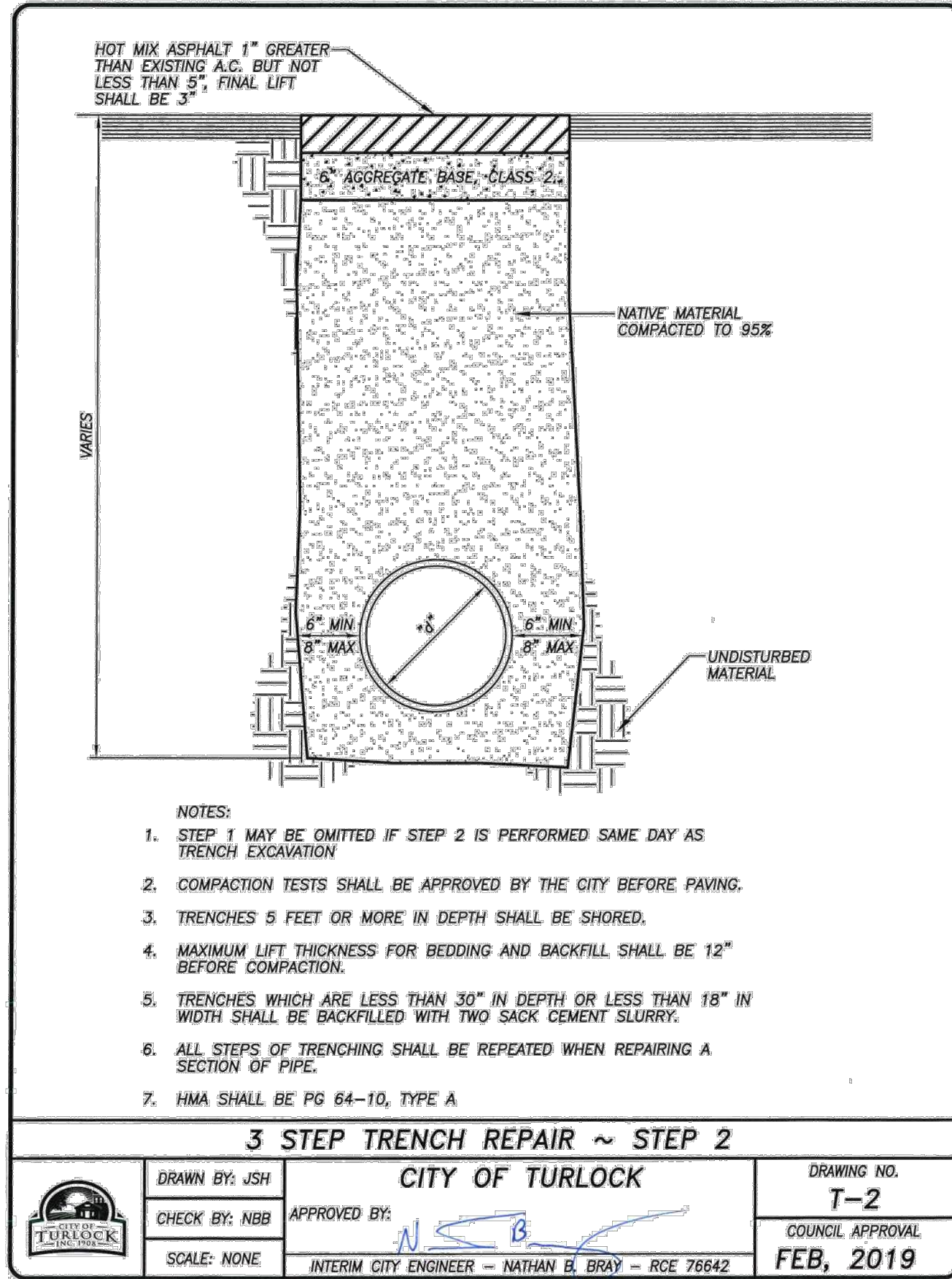
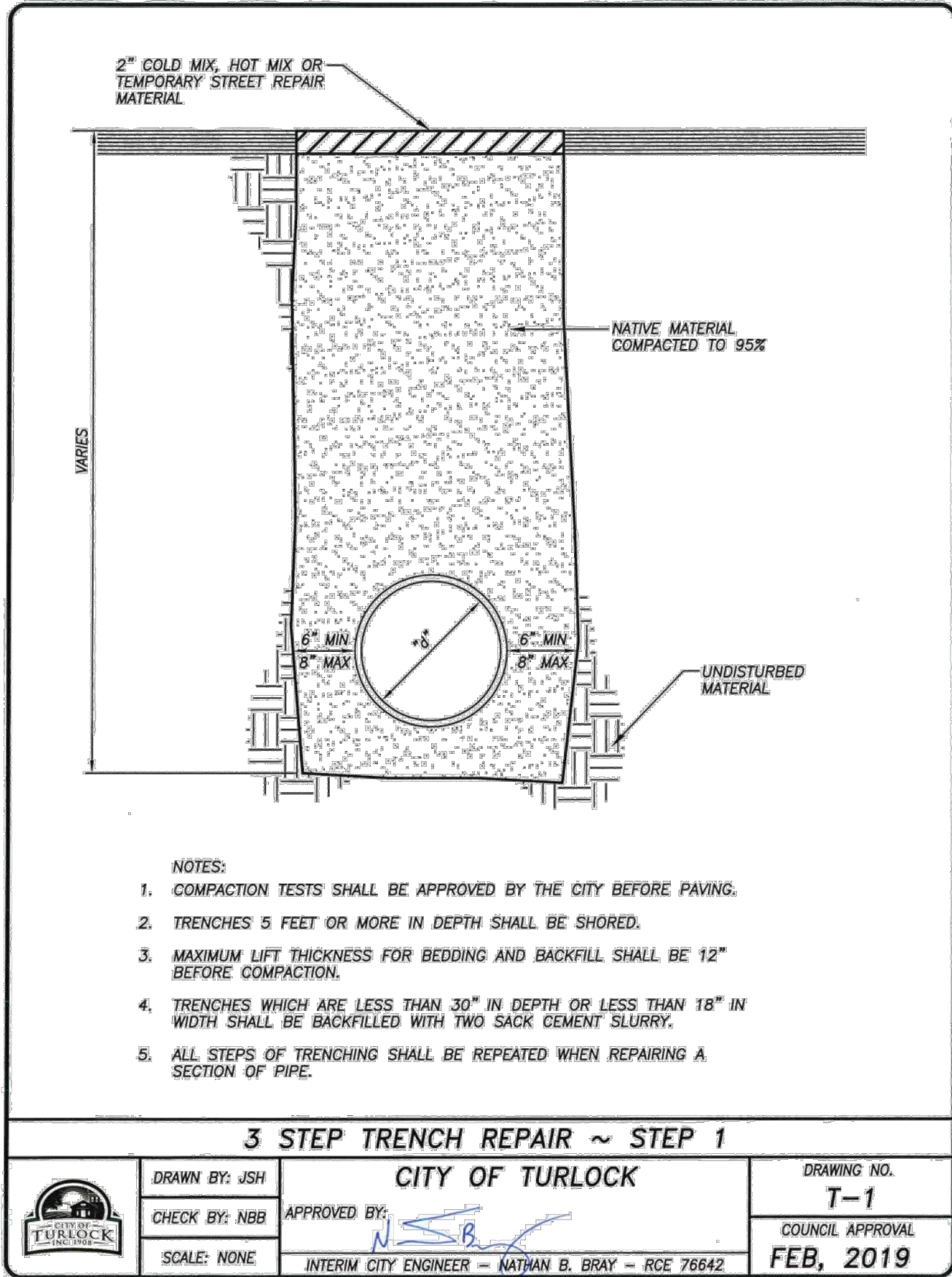
CITY OF TURLOCK  
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CONSTRUCTION DETAILS  
CAPITAL PROJECT No. 22-001  
CITYWIDE STREET RECONSTRUCTION  
AND IMPROVEMENT PROJECT

NOT TO SCALE

VERIFY SCALE BAR IS 1" ON ORIGINAL DRAWING 1/4" 3/4" 1" 0 1/2"	DRAWN BY: R. LIM	DRAWING No.
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	REV. BY:	CD-02
	CH. BY: S. ARAIN	SHEET:
	DATE: 08/29/2022	21 OF 29
	SCALE: AS SHOWN	
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NOT TO SCALE



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LICENSE No. C78364

PLANS APPROVAL DATE



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INTERNATIONAL  
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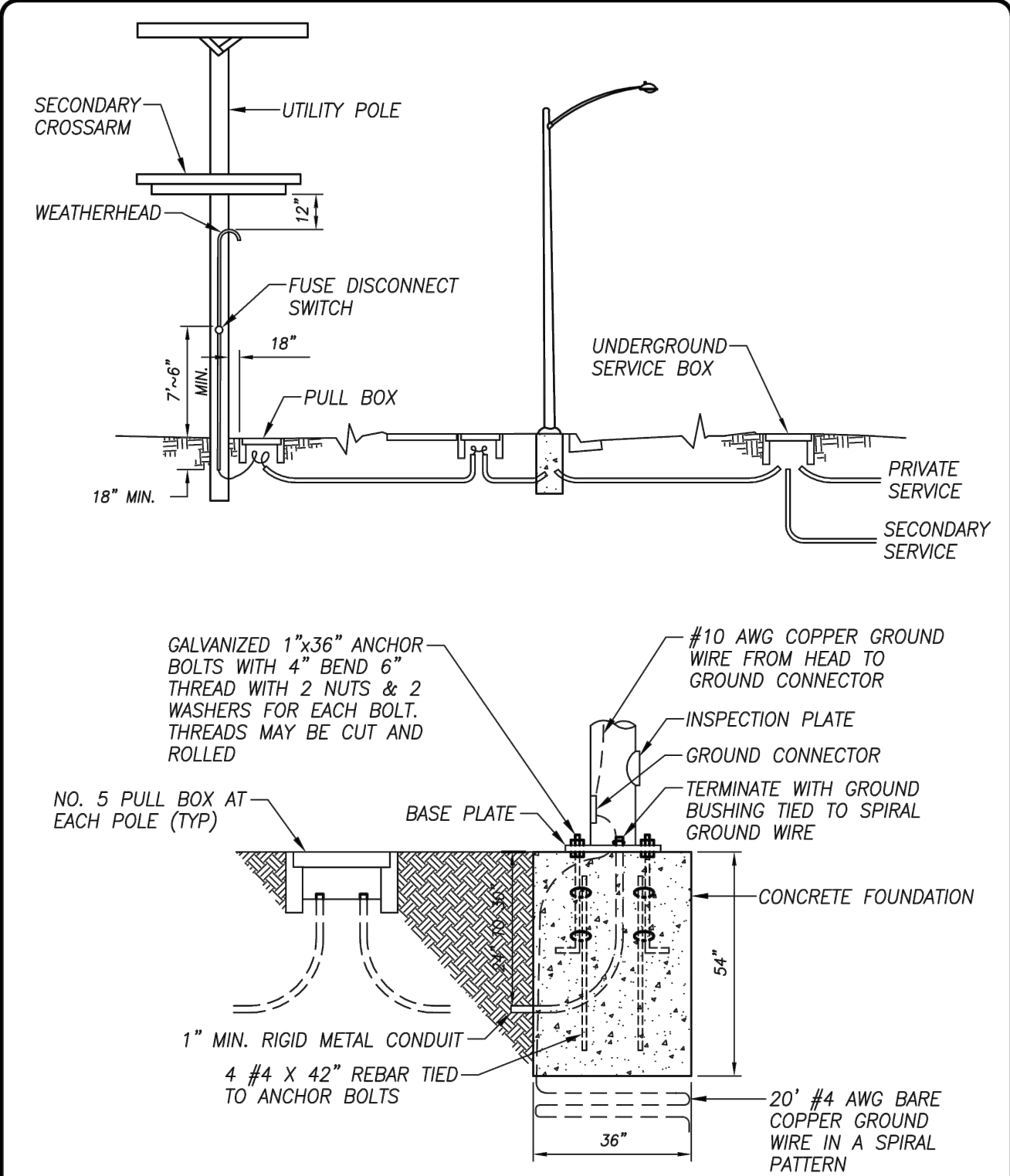
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SCALE: AS SHOWN  
MBI PROJECT No. 187020

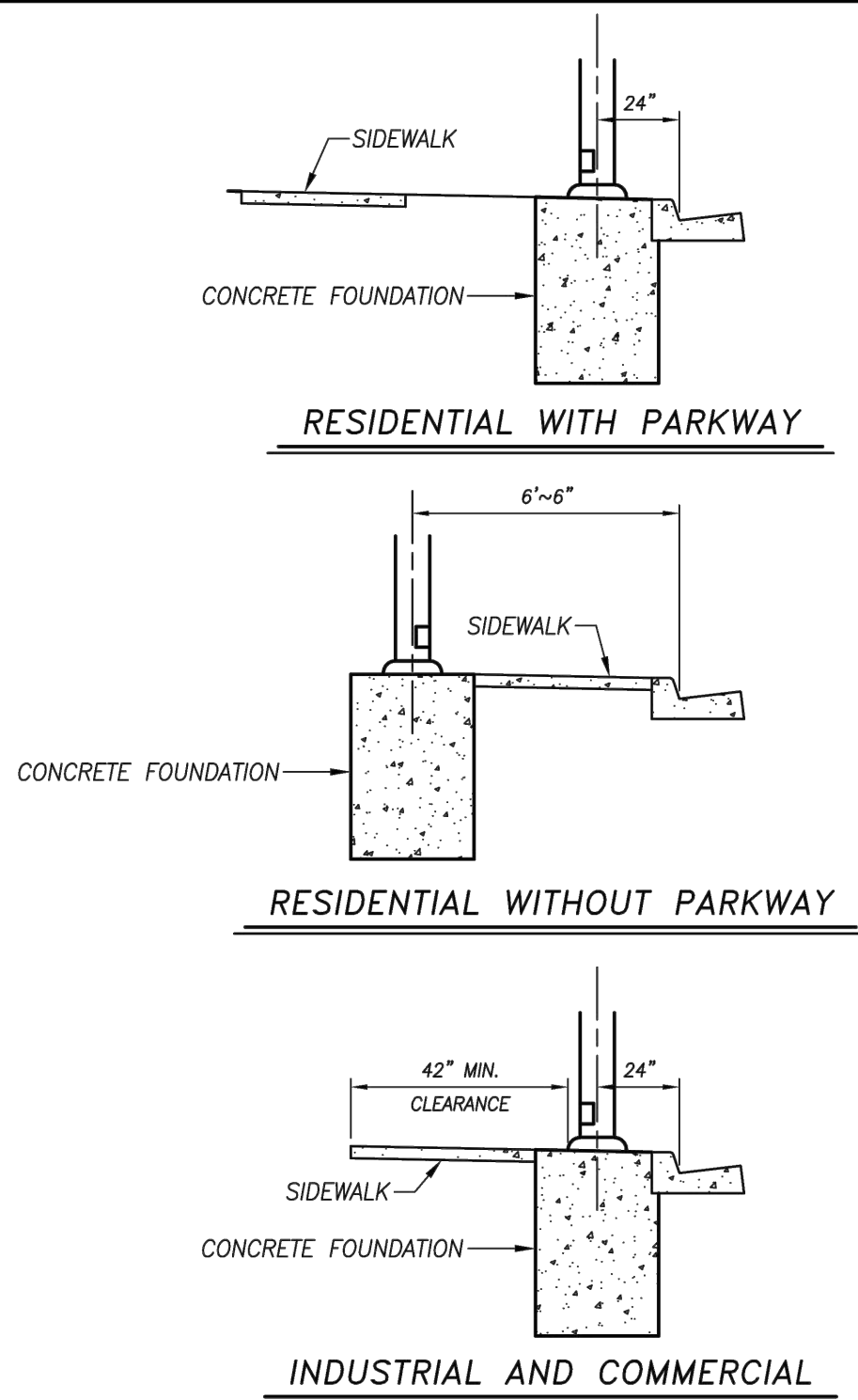
DRAWING No.  
CD-03  
SHEET:  
22 OF 29



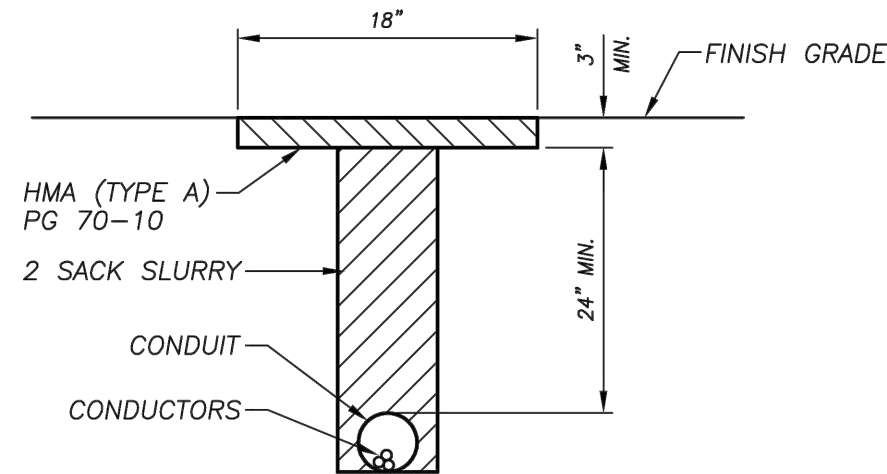


STREET LIGHT BASE AND CONDUIT RUN			
DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. E-3
CHECK BY: NBB	APPROVED BY: <i>m. f. arain</i>		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER - MICHAEL G. PITCOCK - RCE 52694		

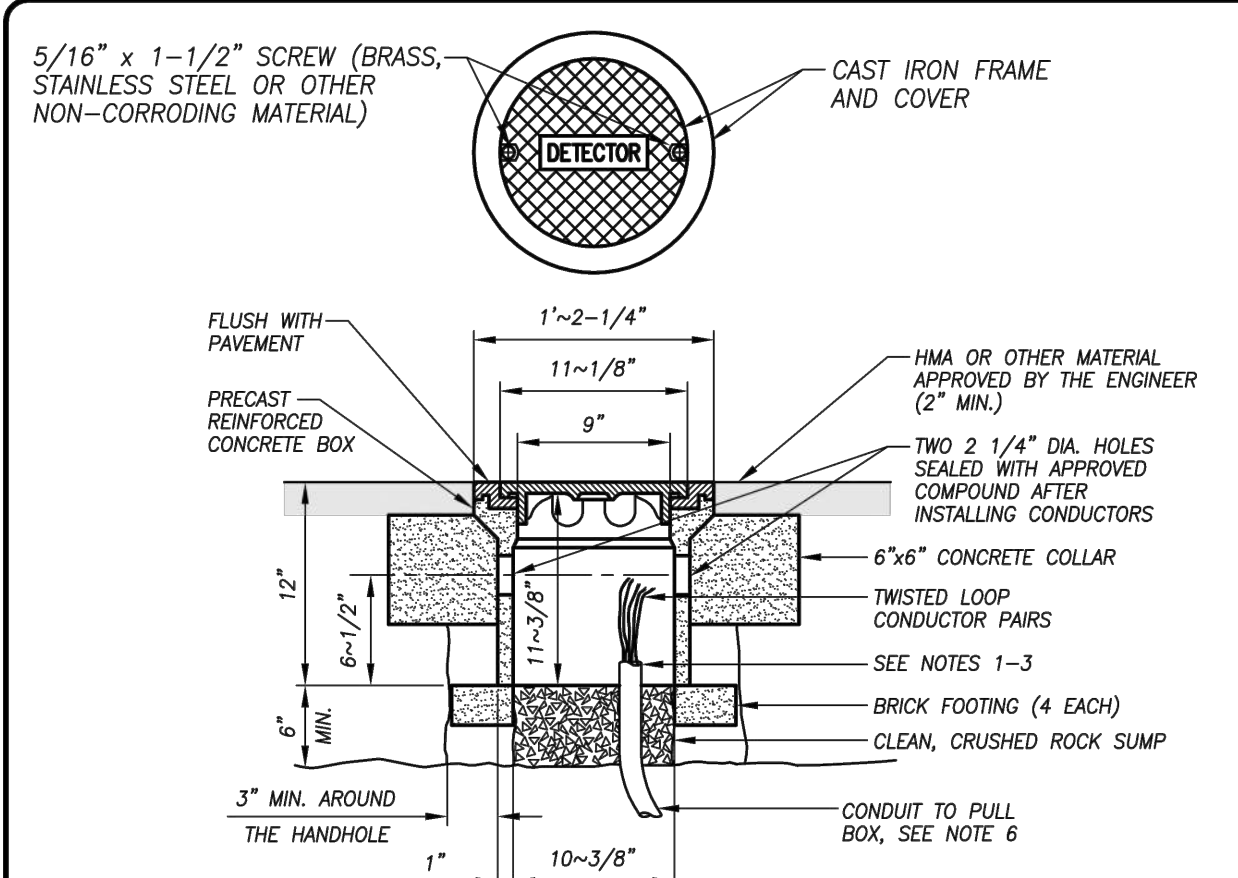
NOTE: AS DIRECTED BY THE CITY ON 8/19/2022, THE CITY'S STANDARD STREETLIGHT FOUNDATION HAS BEEN USED ON THIS PROJECT.



TYPICAL STREET LIGHT LOCATIONS			
DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. E-5
CHECK BY: NBB	APPROVED BY: <i>m. f. arain</i>		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER - MICHAEL G. PITCOCK - RCE 52694		

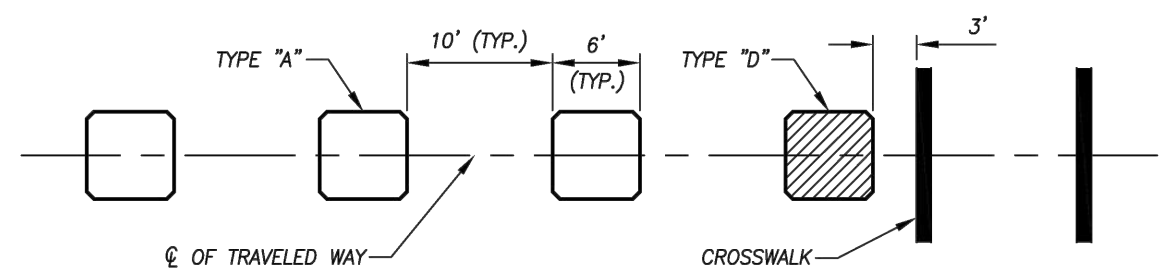


CONDUIT TRENCH DETAIL			
DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. E-11
CHECK BY: NBB	APPROVED BY: <i>m. f. arain</i>		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER - MICHAEL G. PITCOCK - RCE 52694		

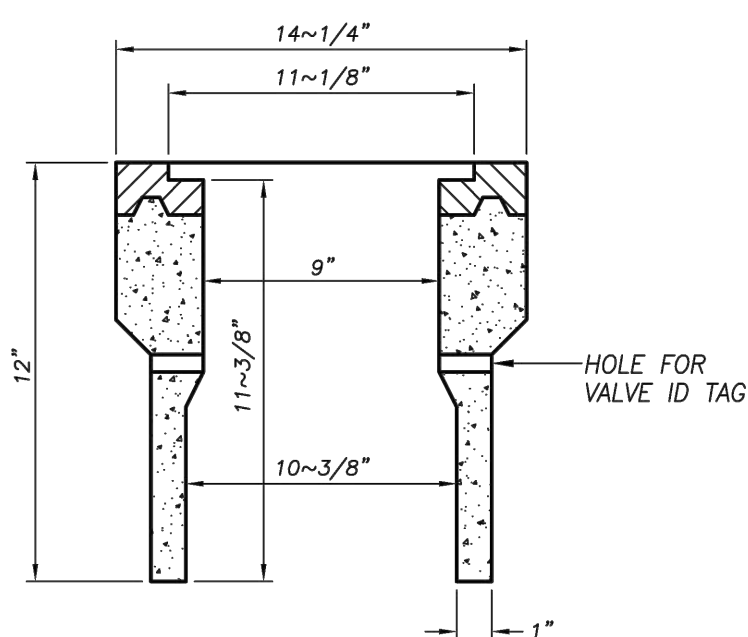
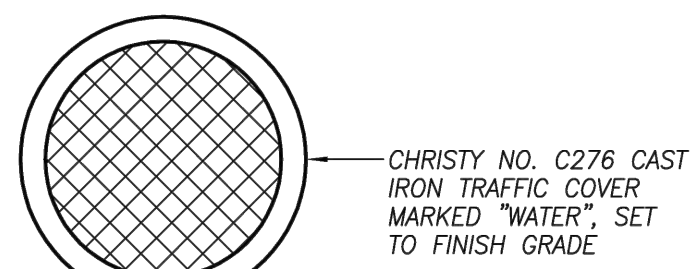


- NOTES:
- BUSHING SHALL BE USED AT END OF CONDUIT
  - TAPE DETECTOR CONDUCTORS OR CABLES 3" EACH SIDE OF BUSHINGS
  - INSTALL DUCT SEAL COMPOUND TO EACH END OF TERMINATION CONDUIT BEFORE INSTALLING SEALANT
  - ROUND ALL SHARP EDGES WHERE DETECTOR CONDUCTORS OR CABLES HAVE TO PASS
  - END OF CONDUIT SHALL BE 3~1/8" BELOW ROADWAY SURFACE
  - CONDUIT SIZE SHALL BE 2" MINIMUM
  - SPlice DETECTOR CONDUCTORS OR CABLES TO LEAD-IN-CABLE AT PULL BOX, RUN TO CONTROLLER CABINET
  - LOCATION OF DETECTOR HANDHOLE ON LANE LINE UNLESS OTHERWISE NOTED
  - CONDUIT SHALL HAVE 24" COVER

DETECTOR HANDHOLE DETAIL			
DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. E-12
CHECK BY: NBB	APPROVED BY: <i>m. f. arain</i>		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER - MICHAEL G. PITCOCK - RCE 52694		



TYPICAL LOOP DETECTOR SPACING			
DRAWN BY: JSH	CITY OF TURLOCK		DRAWING NO. E-13
CHECK BY: NBB	APPROVED BY: <i>m. f. arain</i>		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: <i>m. f. arain</i>		COUNCIL APPROVAL DEC, 2015
SCALE: NONE	CITY ENGINEER - MICHAEL G. PITCOCK - RCE 52694		

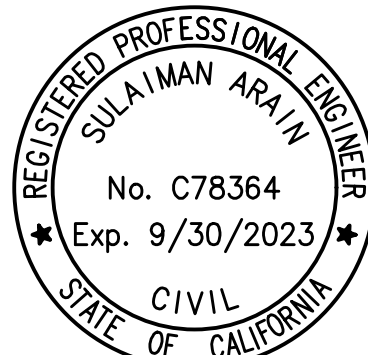
NOT TO SCALE



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



**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 RECONSTRUCTION  
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: 08/29/2022  
SCALE: AS SHOWN  
MBI PROJECT No. 187020

DRAWING No.  
**CD-04**  
SHEET:  
23 OF 29

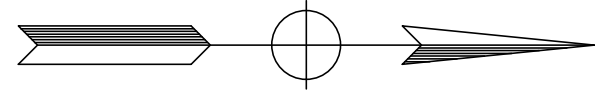




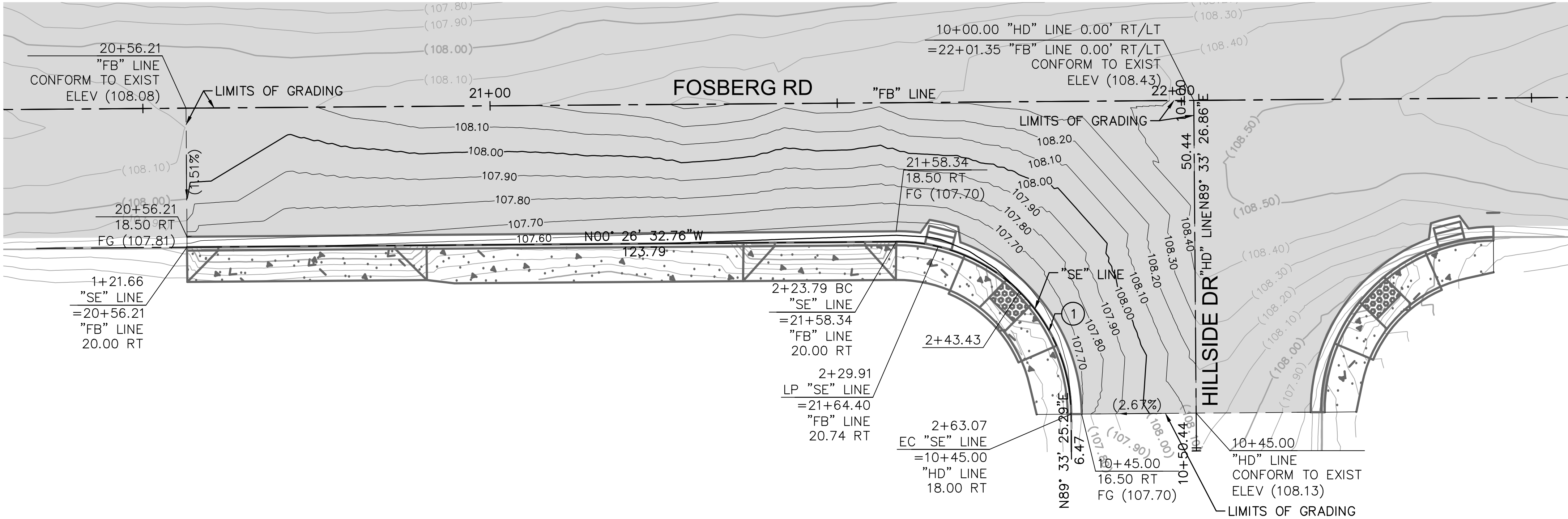


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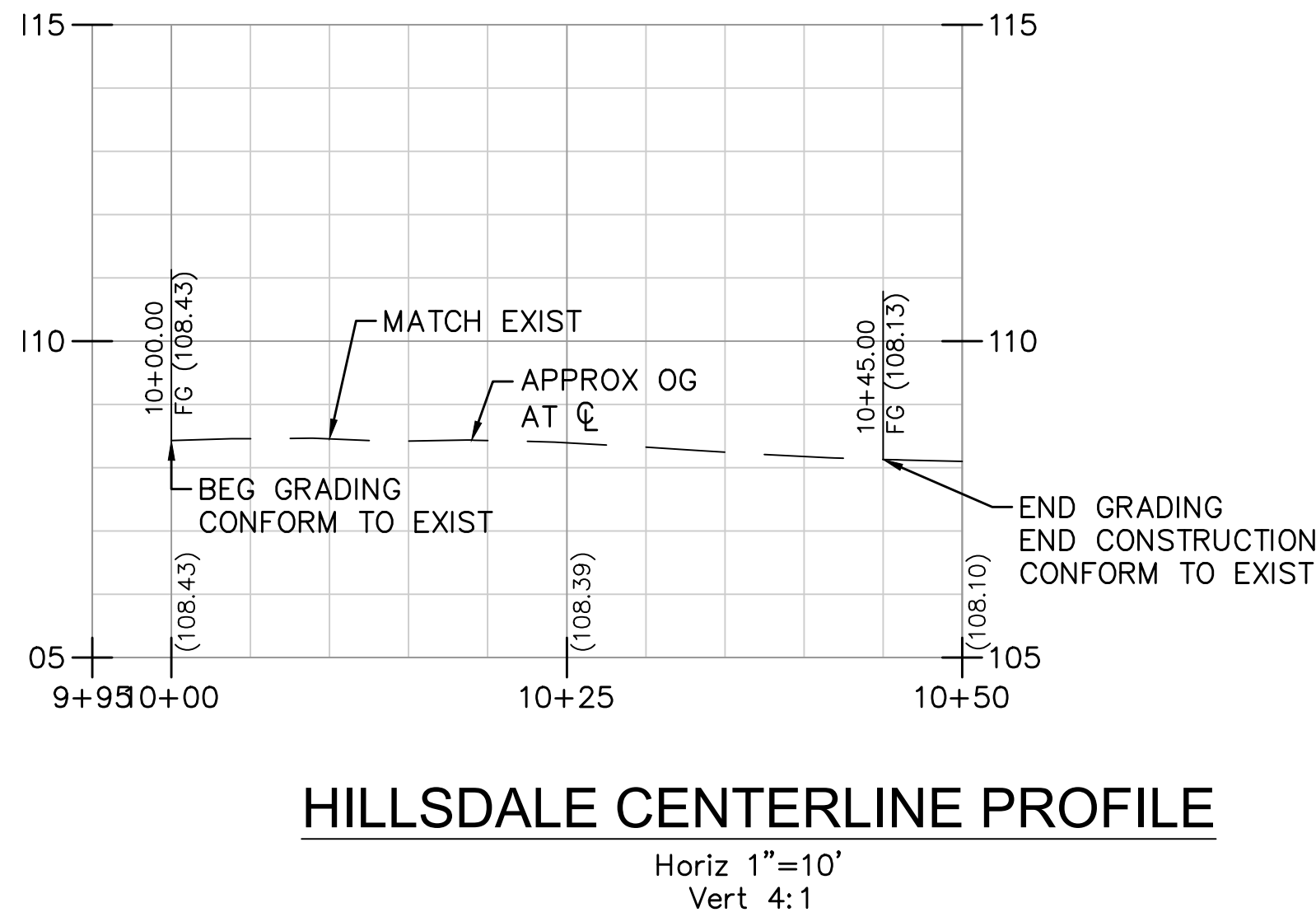
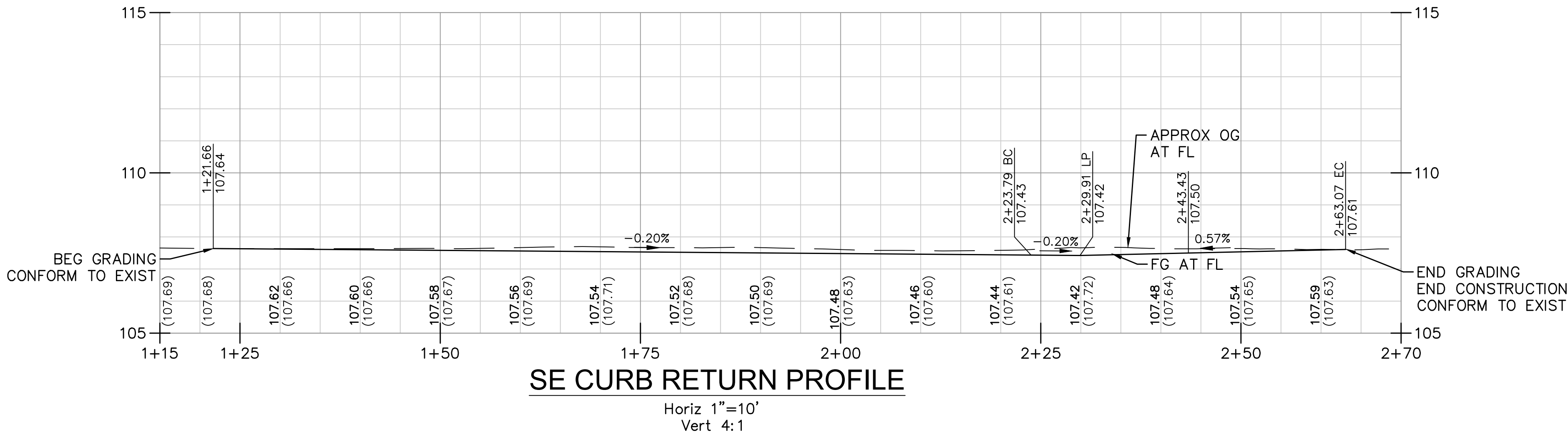
1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB RAMP LAYOUT INFORMATION SEE L-02.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L-02.



CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	25.00'	089°59'58.05"	25.00'	39.27'



1 FOSBERG RD & HILLSDALE DR INTERSECTION DETAIL  
L-02 1" = 10'



NOTE:  
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DIMENSIONS SHALL SUPERCEDE  
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CITY OF TURLOCK  
PUBLIC WORKS  
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ENGINEERING DIVISION  
156 S. BROADWAY,  
SUITE 150  
(209) 668-5520

**CONSTRUCTION DETAILS  
INTERSECTION**  
**CAPITAL PROJECT No. 22-001**  
**CITYWIDE STREET RECONSTRUCTION  
AND IMPROVEMENT PROJECT**

VERIFY SCALE  
BAR IS 1" ON  
ORIGINAL DRAWING  
1/4" 3/4" 1"  
0 1/2"  
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ACCORDINGLY

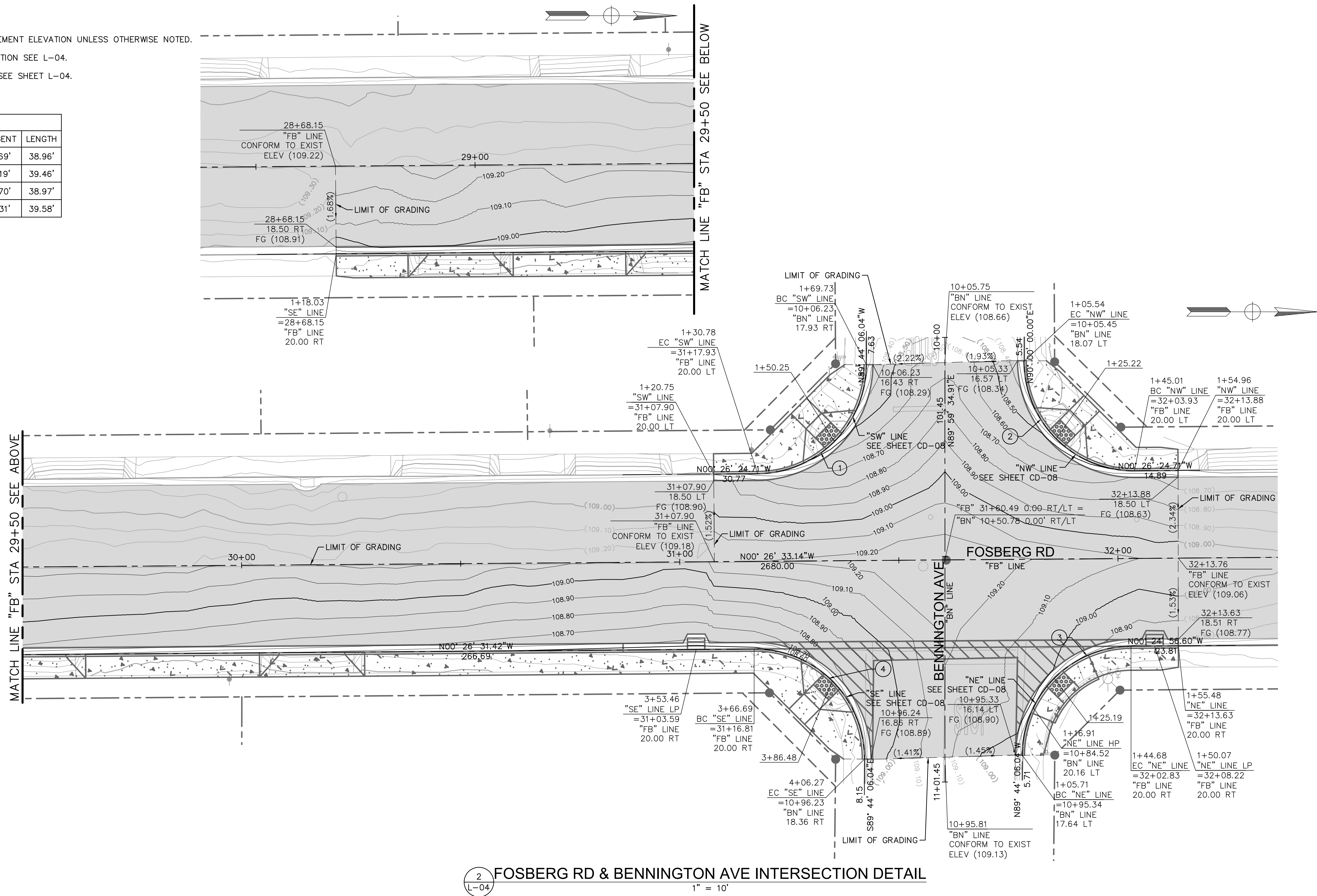
DRAWN BY: J. MILLER  
REV. BY:  
CH. BY: S. ARAIN  
DATE: 08/29/2022  
SCALE: AS SHOWN  
MBI PROJECT No. 187020

DRAWING No.  
**CD-06**  
SHEET:  
**25 OF 29**



1. ELEVATIONS SHOWN INDICATE PAVEMENT ELEVATION UNLESS OTHERWISE NOTED.
2. FOR CURB RAMP LAYOUT INFORMATION SEE L-04.
3. FOR RIGHT OF WAY INFORMATION SEE SHEET L-04.

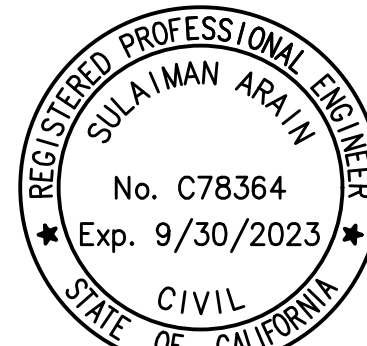
CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	25.00'	089°17'17.56"	24.69'	38.96'
2	25.00'	090°26'24.71"	25.19'	39.46'
3	25.00'	089°19'09.43"	24.70'	38.97'
4	25.00'	090°42'25.38"	25.31'	39.58'



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SULAIMAN ARAIN P.E.  
LICENSE No. C78364

PLANS APPROVAL DATE



**Michael Baker**  
**I N T E R N A T I O N A L**  
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CITY OF TURLOCK  
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CONSTRUCTION DETAILS  
INTERSECTION  
CAPITAL PROJECT No. 22-001  
CITYWIDE STREET RECONSTRUCTION  
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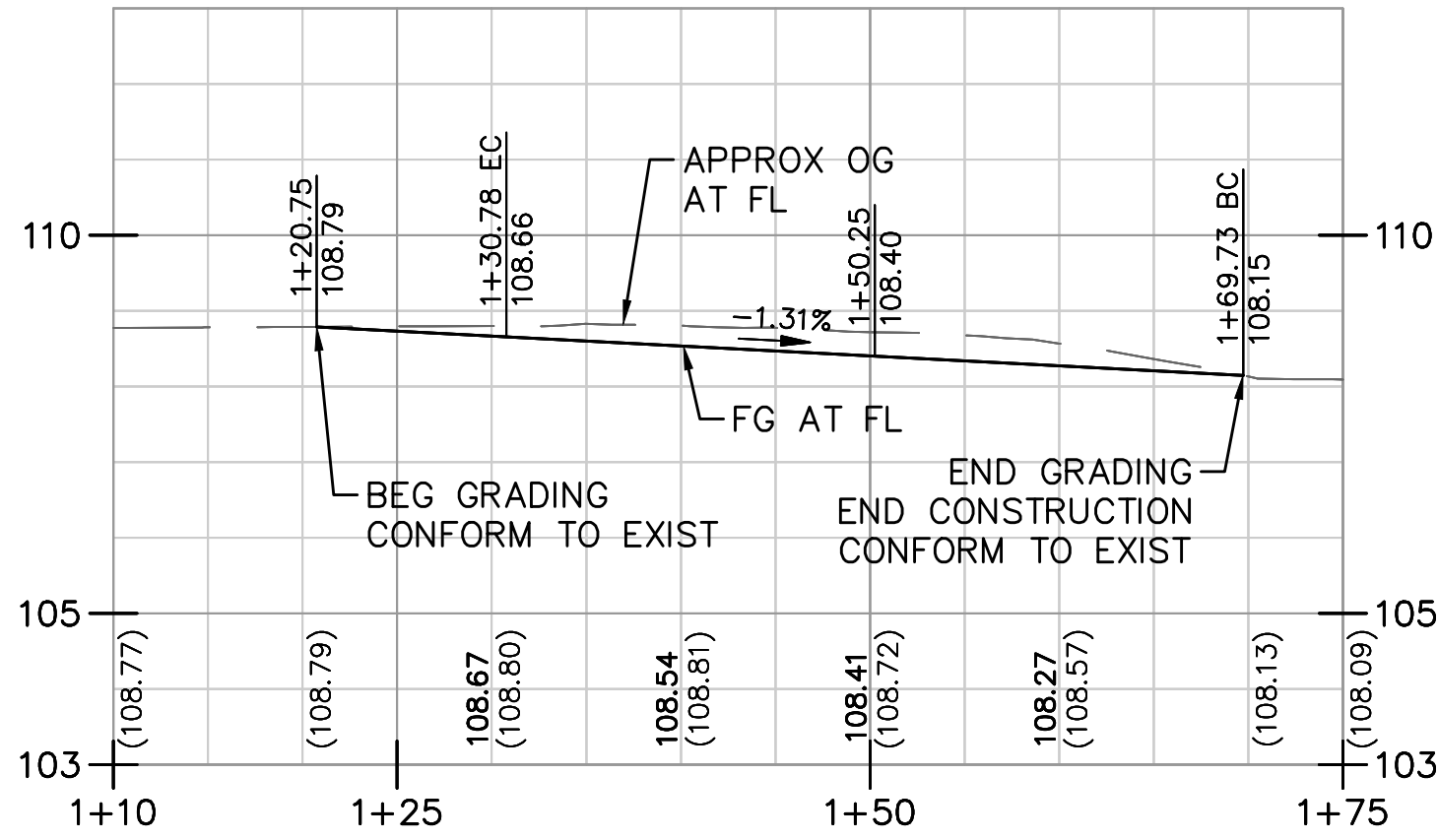
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0 1"  
1/2"  
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DRAWN BY: D. VAGHEFI	
REV. BY:	
CH. BY:	S. ARAIN
DATE:	08/29/2022
SCALE:	AS SHOWN
MBI PROJECT No. 187020	

DRAWING No.  
CD-07  
SHEET:  
26 OF 29

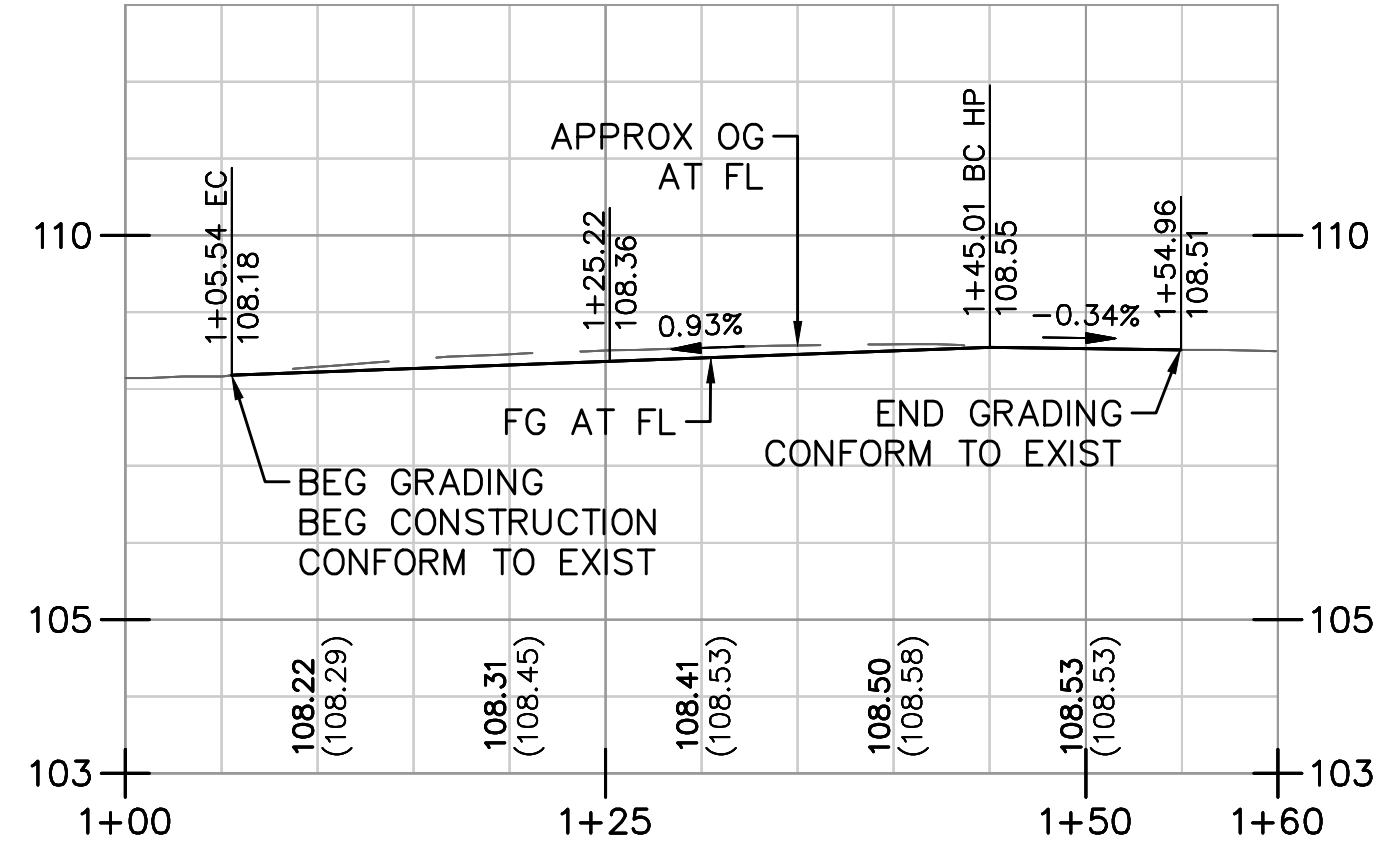


- NOTES:
- FOR CURB RAMP LAYOUT INFORMATION SEE L-04.
  - SEE SHEET CD-07 FOR FOSBERG RD AND BENNINGTON AVE GRADING DETAIL.



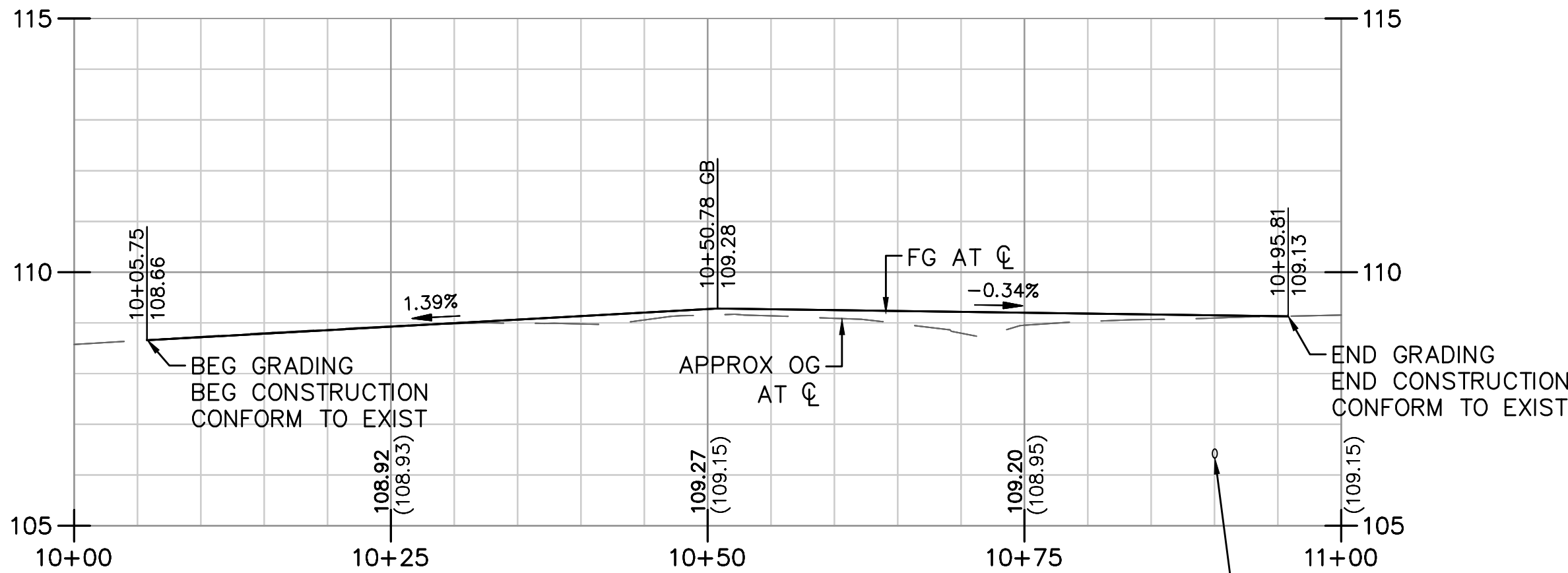
SW CURB RETURN PROFILE

Horiz 1"=10'  
Vert 4:1



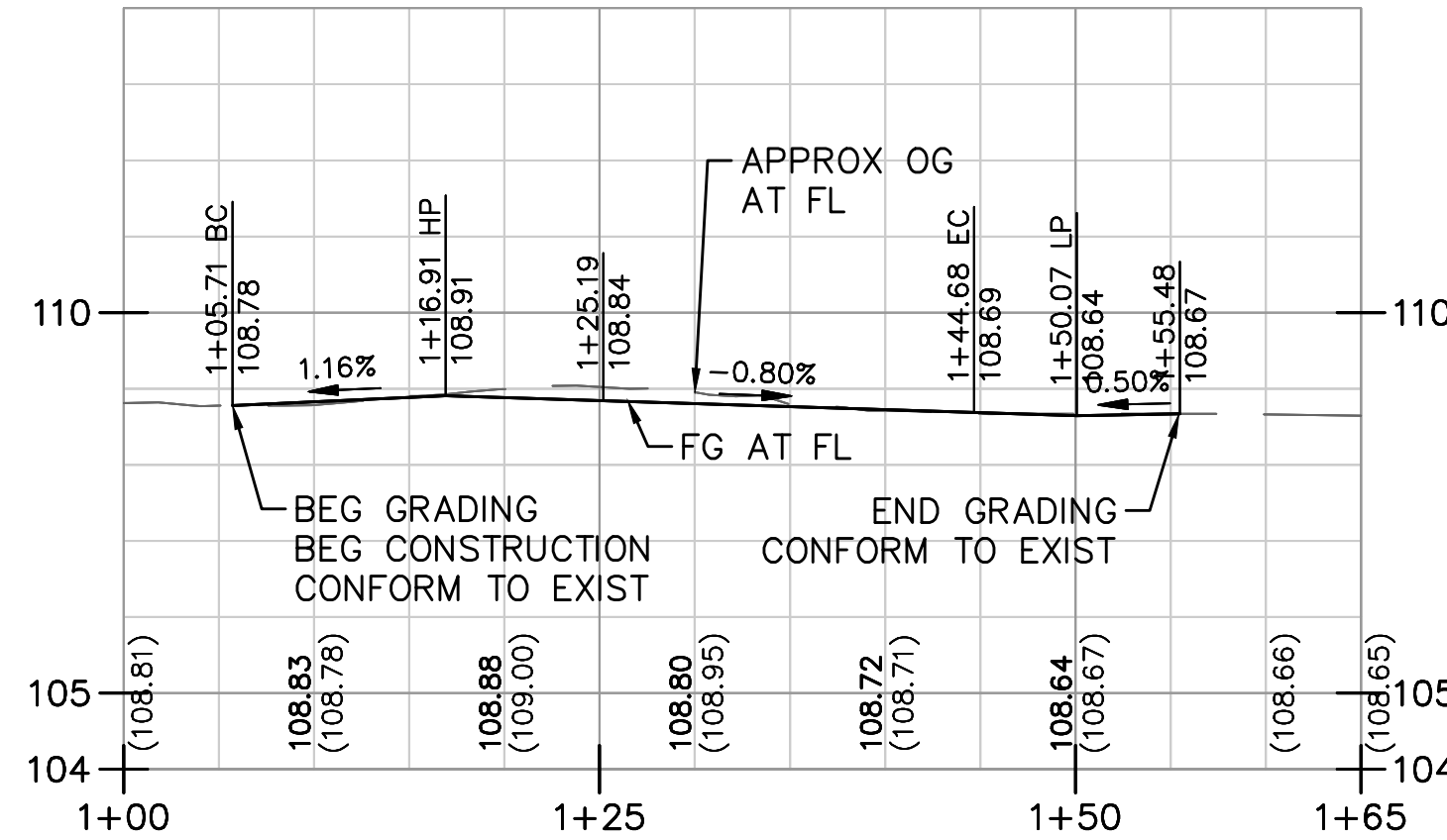
NW CURB RETURN PROFILE

Horiz 1"=10'  
Vert 4:1



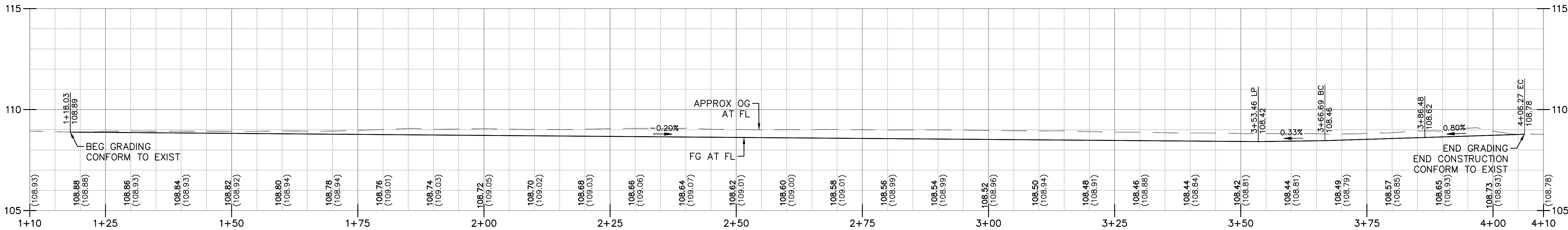
BENNINGTON AVE CENTERLINE PROFILE

Horiz 1"=10'  
Vert 4:1



NE CURB RETURN PROFILE

Horiz 1"=10'  
Vert 4:1



SE CURB RETURN PROFILE

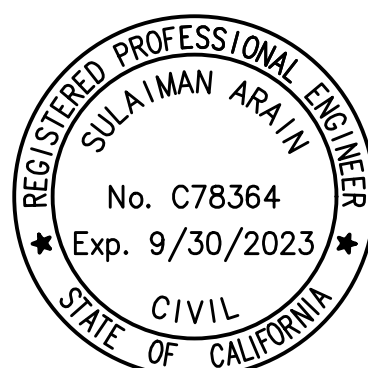
Horiz 1"=10'  
Vert 4:1

22-001-P3-10-CD-08.dwg



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LICENSE No. C78364  
PLANS APPROVAL DATE



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CONSTRUCTION DETAILS  
INTERSECTION  
CAPITAL PROJECT No. 22-001  
CITYWIDE STREET RECONSTRUCTION  
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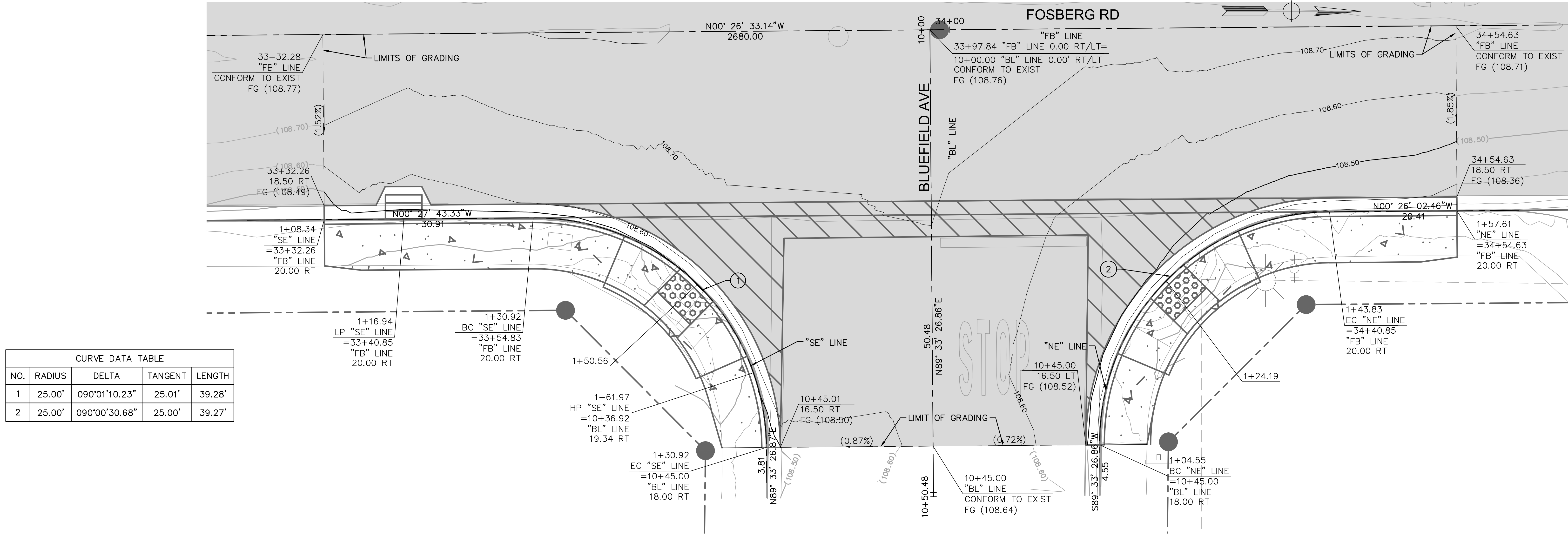
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CH. BY: S. ARAIN  
DATE: 08/29/2022  
SCALE: AS SHOWN  
MBI PROJECT No. 187020

DRAWING No.  
**CD-08**  
SHEET:  
27 OF 29

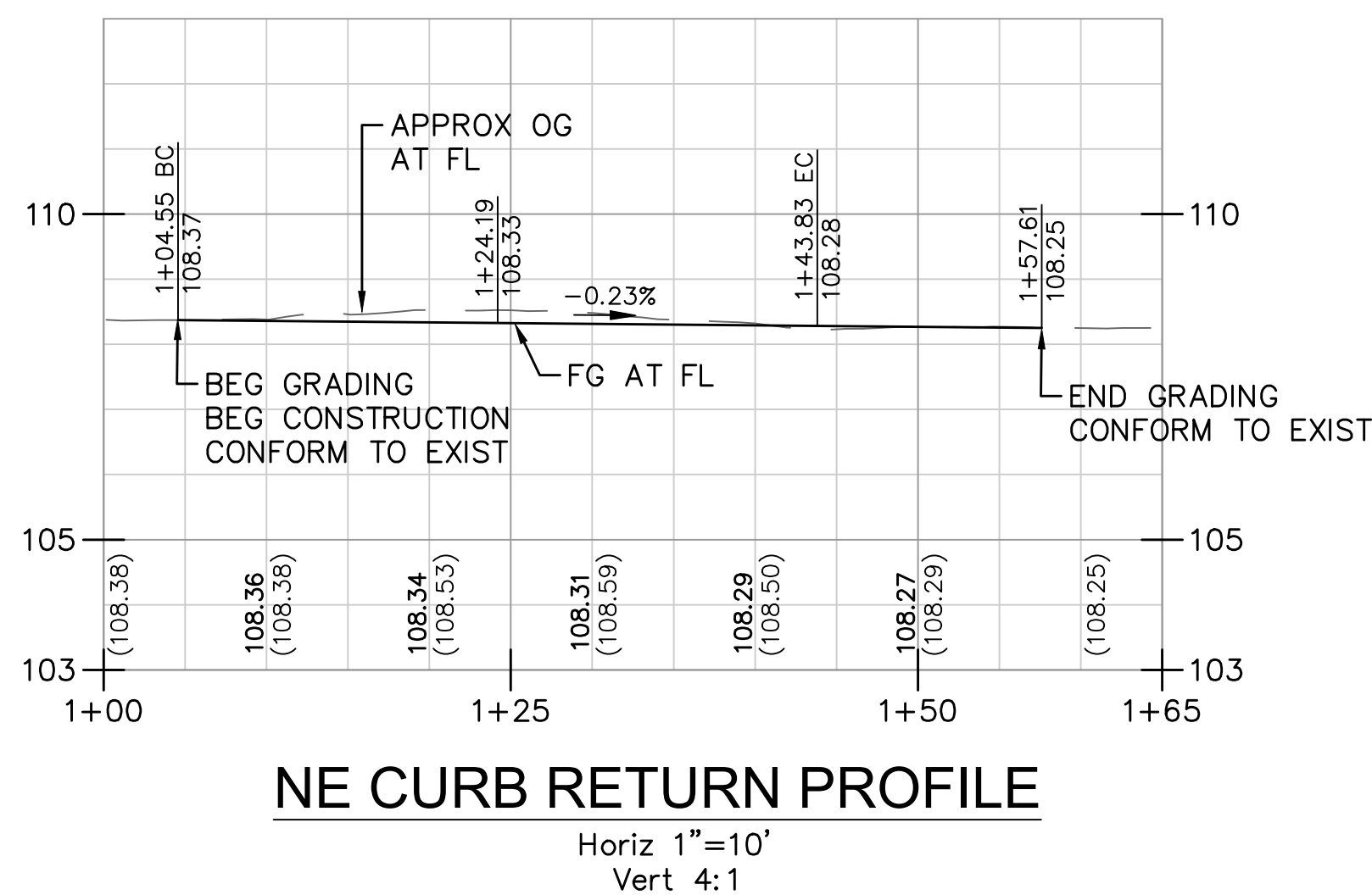
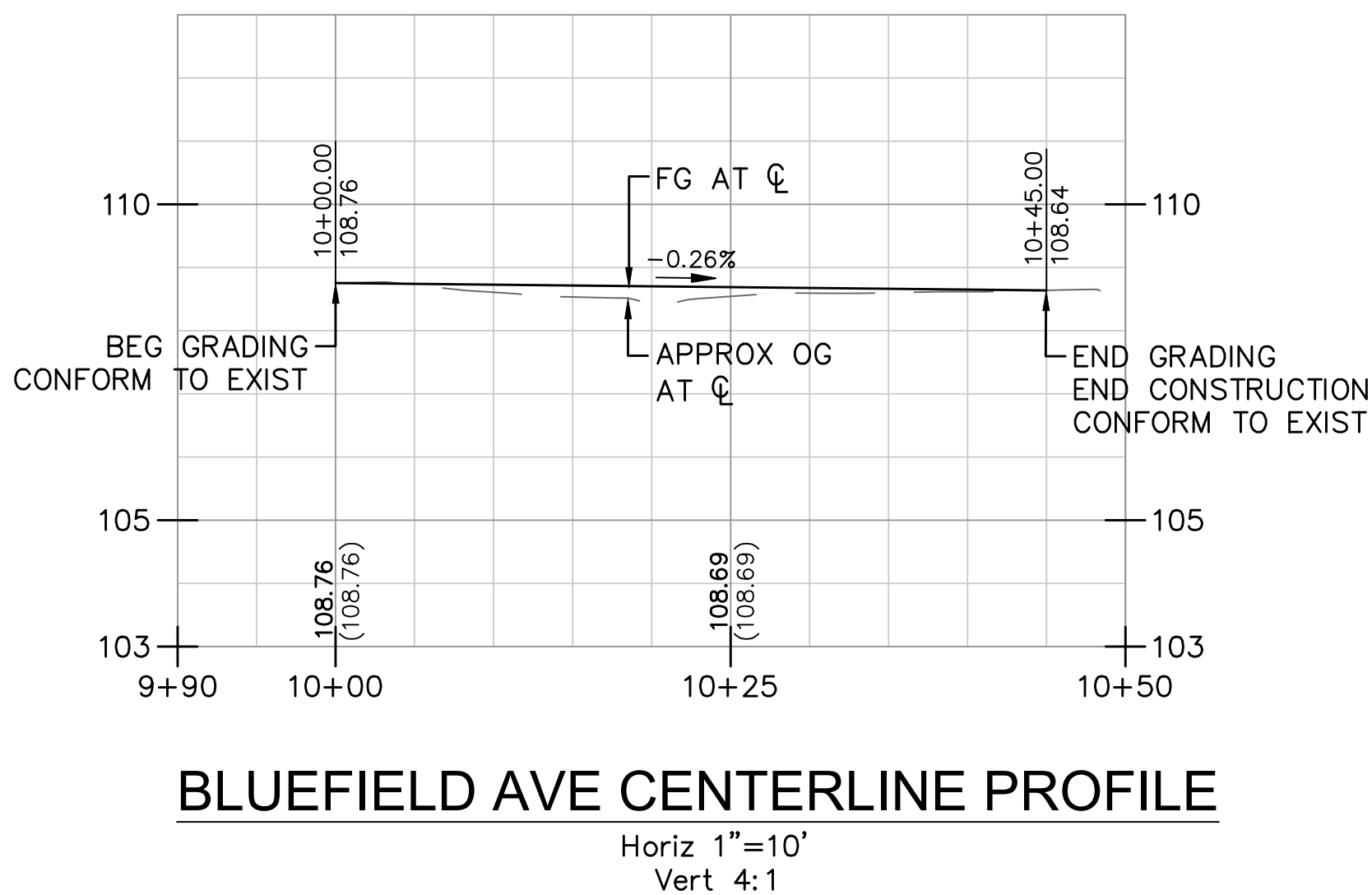
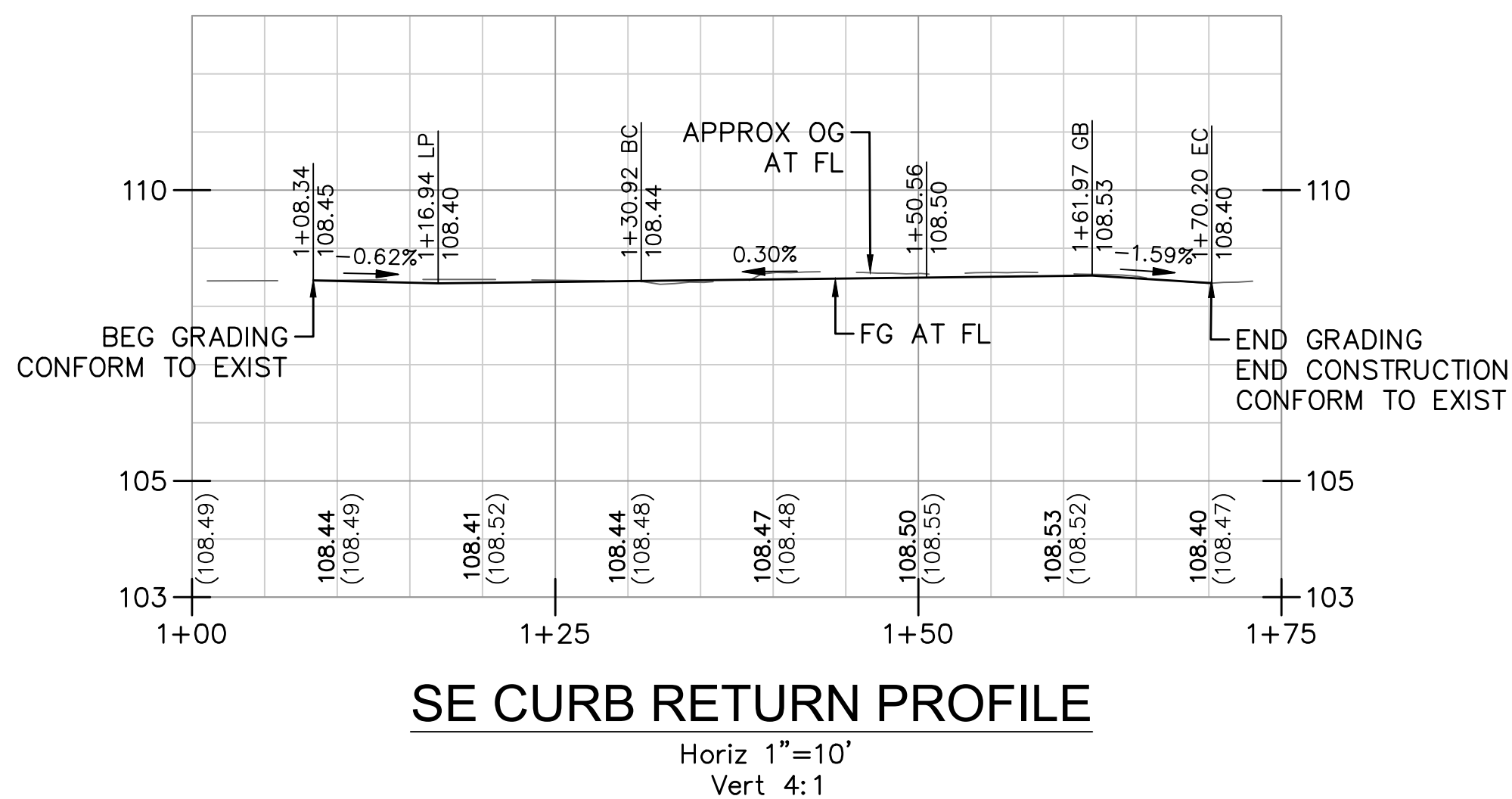


- NOTES:
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  - FOR CURB RAMP LAYOUT INFORMATION SEE L-04.
  - FOR RIGHT OF WAY INFORMATION SEE SHEET L-04.



CURVE DATA TABLE				
NO.	RADIUS	DELTA	TANGENT	LENGTH
1	25.00'	090°01'10.23"	25.01'	39.28'
2	25.00'	090°00'30.68"	25.00'	39.27'

3 FOSBERG RD & BLUEFIELD AVE INTERSECTION DETAIL  
L-04 1" = 5'

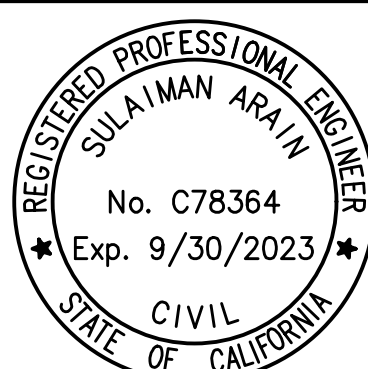


22-001-P3-10-CD-09.dwg

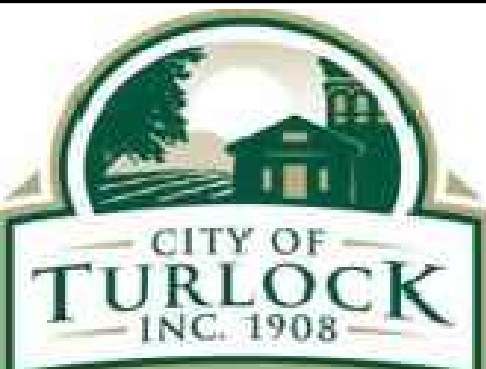


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SULAIMAN ARAIN P.E.  
LICENSE No. C78364  
PLANS APPROVAL DATE



Michael Baker  
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CONSTRUCTION DETAILS  
INTERSECTION  
CAPITAL PROJECT No. 22-001  
CITYWIDE STREET RECONSTRUCTION  
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VERIFY SCALE  
BAR IS 1" ON  
ORIGINAL DRAWING  
1/4" 3/4" 1"  
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DRAWN BY: J. MILLER  
REV. BY:  
CH. BY: S. ARAIN  
DATE: 08/29/2022  
SCALE: AS SHOWN  
MBI PROJECT No. 187020

DRAWING No.  
CD-09  
SHEET:  
28 OF 29



PAVEMENT QUANTITIES			
SHEET ID	REMOVE AC PAVEMENT AND BASE	HOT MIX ASPHALT (TYPE A)	AGGREGATE BASE
	CY	TON	CY
L-01	529	545	260
L-02	337	724	61
L-03	666	745	359
L-04	674	786	490
TOTAL	2204	2800	1169

CONCRETE QUANTITIES						
SHEET ID	REMOVE EXIST CURB AND GUTTER	REMOVE EXISTING (DRIVEWAY/SIDEWALK)	REMOVE EXISTING VALLEY GUTTER	MINOR CONCRETE (CURB AND GUTTER)	MINOR CONCRETE (SIDEWALK AND FLATWORK)	MINOR CONCRETE (RESIDENTIAL DRIVEWAY)
	LF	SF	SF	LF	SF	SF
L-01	114	568	0	114	628	108
L-02	303	1244	0	214	996	608
L-03	369	1747	0	315	1675	385
L-04	440	1960	874	416	2230	168
TOTAL	1226	5519	874	1059	5529	1269

STRIPING QUANTITIES												
SHEET ID	THERMOPLASTIC STRIPING (DETAIL 1)	THERMOPLASTIC STRIPING (DETAIL 22)	THERMOPLASTIC STRIPING (DETAIL 38)	THERMOPLASTIC STRIPING (DETAIL 12" STOP BAR)	THERMOPLASTIC PAVEMENT MARKINGS (WHITE "CONTINENTAL" CROSSWALK)	THERMOPLASTIC PAVEMENT MARKINGS (WHITE)	PAVEMENT MARKER (TYPE BB)	PAINT EXISTING CURB	INSTALL SIGN PANEL (STREET NAME 42" X 9")	INSTALL SIGN PANEL (STREET NAME 48" X 9")	REMOVE EXISTING CROSSWALK BY SANDBLASTING	REMOVE EXISTING PAVEMENT MARKING BY SANDBLASTING
	LF	LF	LF	LF	SF	SF	EA	LF	EA	EA	LF	EA
SS-01 TO SS-02	1160	1126	78	179	1251	262	5	427	3	3	340	2
TOTAL	1160	1126	78	179	1251	262	5	427	3	3	340	2

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 COVER TO GRADE
	EA	EA	EA	EA	EA	EA
L-01	2	1	4	0	0	5
L-02	2	2	5	0	1	10
L-03	2	3	4	1	0	10
L-04	2	3	8	1	0	14
TOTAL	8	9	21	2	1	39

DRAINAGE QUANTITIES				
SHEET ID	REMOVE EXIST CATCH BASIN	STORM DRAIN MANHOLE (60")	STORM DRAIN CATCH BASIN (SD-1)	STORM DRAIN PIPE (12" RCP)
	EA	EA	EA	EA
DU-01	1	0	3	74
DU-02	0	1	3	142
TOTAL	1	1	6	216

FENCE QUANTITIES	
SHEET ID	RESET FENCE
	LF
L-01	34
TOTAL	34

TRAFFIC SIGNAL	
SHEET ID	TRAFFIC SIGNAL INTERSECTION LOOP DETECTORS
	EA
L-01	2
L-02	0
L-03	0
L-04	8
TOTAL	10



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SULAIMAN ARAIN P.E.  
LICENSE No. C78364  
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SUMMARY OF QUANTITIES  
CAPITAL PROJECT No. 22-001  
CITYWIDE STREET RECONSTRUCTION  
AND IMPROVEMENT PROJECT

VERIFY SCALE  
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DRAWN BY: J. MILLER  
REV. BY:  
CH. BY: S. ARAIN  
DATE: 08/29/2022  
SCALE: AS SHOWN  
MBI PROJECT No. 187020

DRAWING No.  
**Q-01**  
SHEET:  
29 OF 29