

CITY OF TURLOCK

CAPITAL PROJECT NO. 14-30

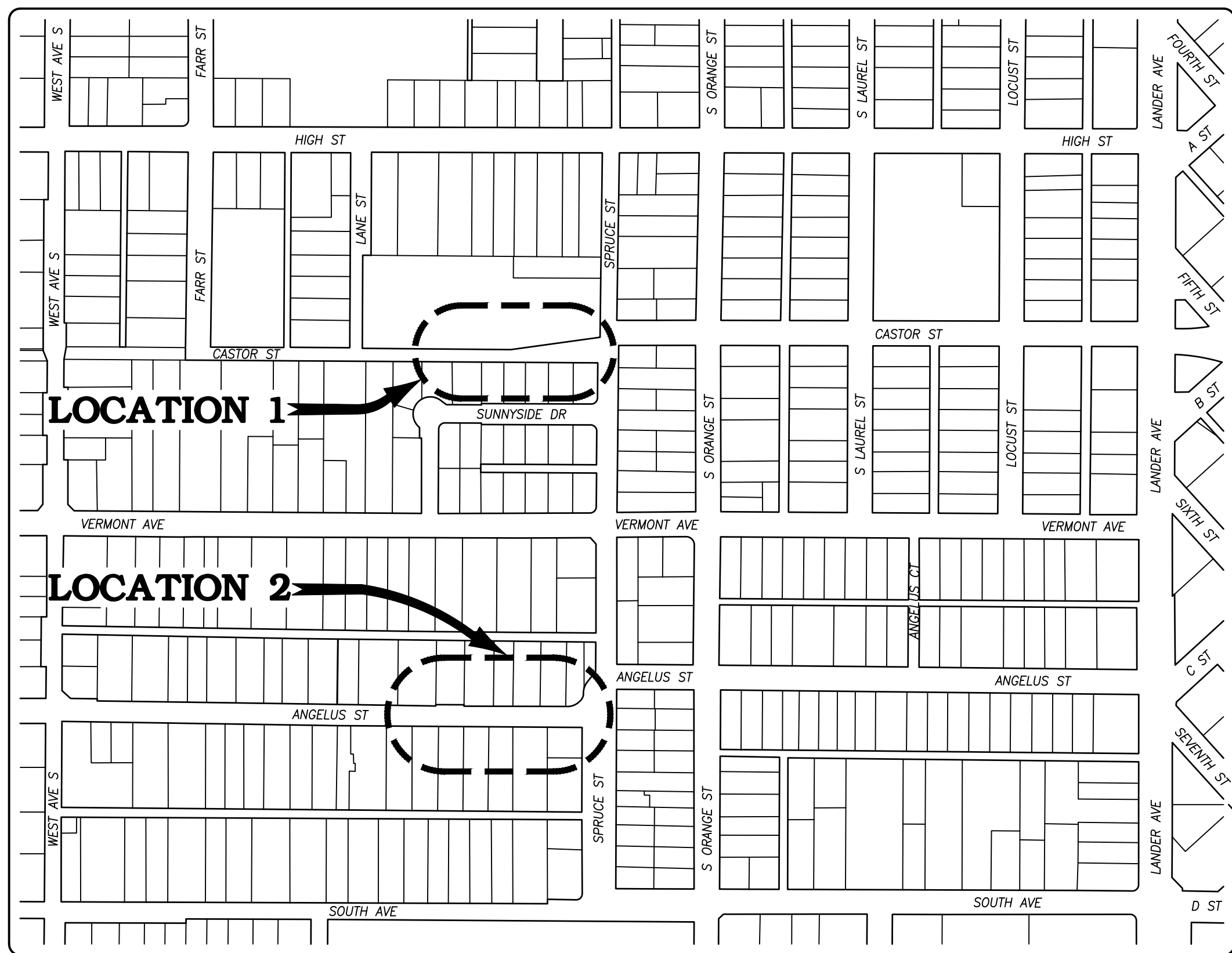
SEWER PIPE LINE REPLACEMENT

ON CASTOR ST., ANGELUS ST.

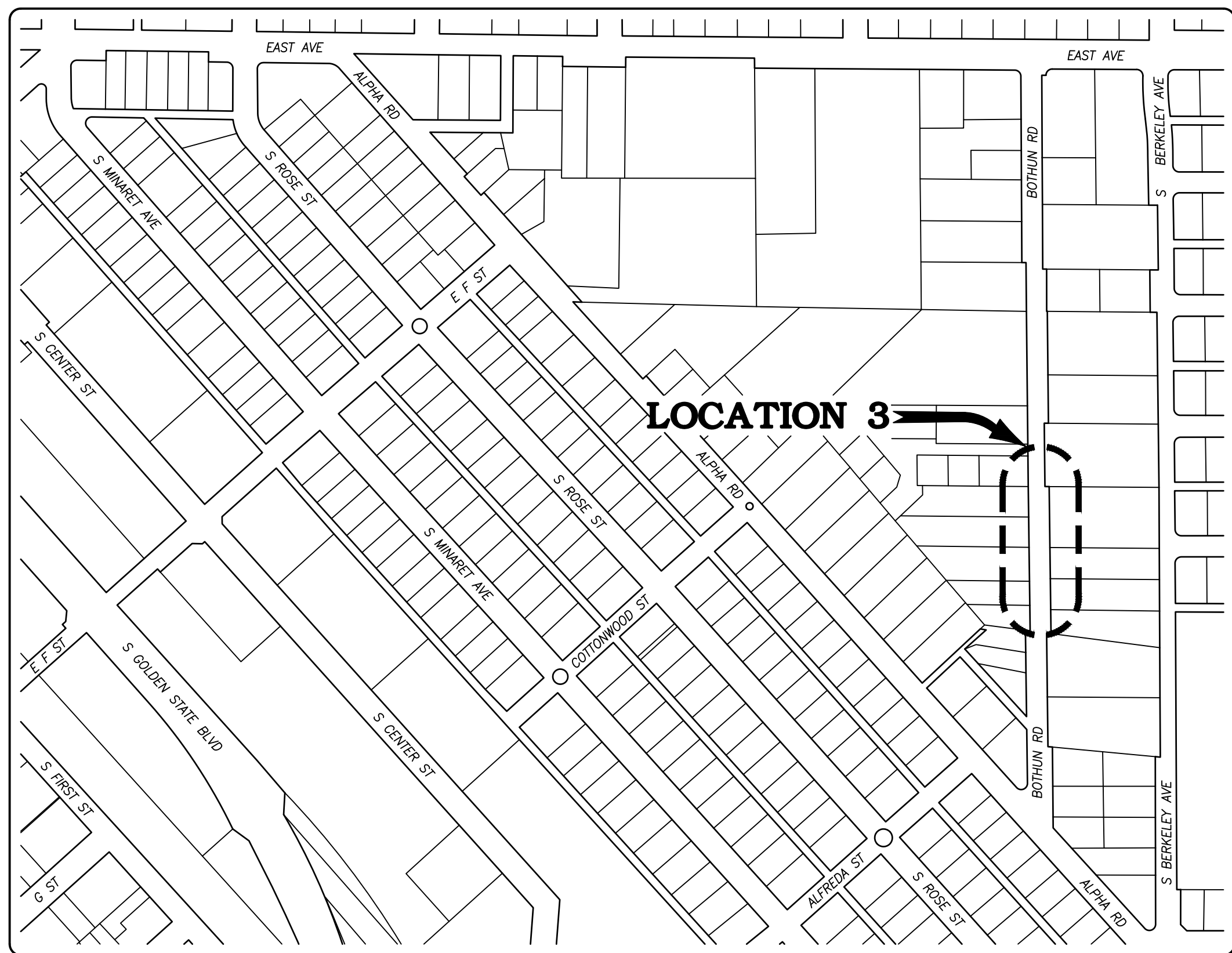
AND BOTHUN RD.

LEGEND

	BENCHMARK
	EX. MONUMENT WELL
	EX. MONUMENTS
	EX. SET MONUMENT
	EX. CONCRETE ELEVATION
	EX. FLOWLINE OF CURB ELEVATION
	EX. BACK OF SIDEWALK ELEVATION
	EX. PAVEMENT ELEVATION
	EX. GROUND ELEVATION
	PROPERTY LINE
	CENTERLINE
	EX. FENCE
	EX. 8" SS
	EX. 18" SD
	EX. 12" W
	EX. SANITARY SEWER MANHOLE
	EX. STORM DRAIN MANHOLE
	EX. WATER VALVE
	EX. WATER WELL
	EX. NON-POTABLE WATER VALVE
	EX. MANHOLE
	EX. TELEPHONE MANHOLE
	EX. PRESSURE MANHOLE
	EX. SANITARY SEWER CLEAN OUT
	EX. FIRE HYDRANT
	EX. GAS VALVE
	EX. CATCH BASIN
	EX. DRAIN INLET
	EX. BOLLARD
	EX. LIGHT
	EX. ELECTROLINER
	EX. SIGN
	EX. UTILITY POLE
	EX. TREE
	EX. CABLE CHRISTY BOX
	EX. ELECTRICAL CHRISTY BOX
	EX. FIRE ALARM CHRISTY BOX
	EX. GAS CHRISTY BOX
	EX. IRRIGATION CHRISTY BOX
	EX. STREET LIGHT CHRISTY BOX
	EX. COMMUNICATION CHRISTY BOX
	EX. TRAFFIC CHRISTY BOX
	EX. IRRIGATION CONTROL VALVE BOX
	EX. TELEPHONE CHRISTY BOX
	EX. UTILITY CHRISTY BOX
	EX. WATER CHRISTY BOX
	PROP. 10" SS
	PROP. 18" SD
	PROP. 12" W
	PROP. 12" RW
	PROP. SEPARATION MANHOLE
	PROP. STORM DRAIN MANHOLE
	PROP. SANITARY SEWER CLEAN OUT
	PROP. SANITARY SEWER MANHOLE
	PROP. WATER VALVE
	PROP. NON-POTABLE WATER VALVE
	PROP. FIRE HYDRANT
	PROP. WATER BLOW-OFF ASSEMBLY
	PROP. CATCH BASIN



VICINITY MAP



VICINITY MAP

SHEET INDEX

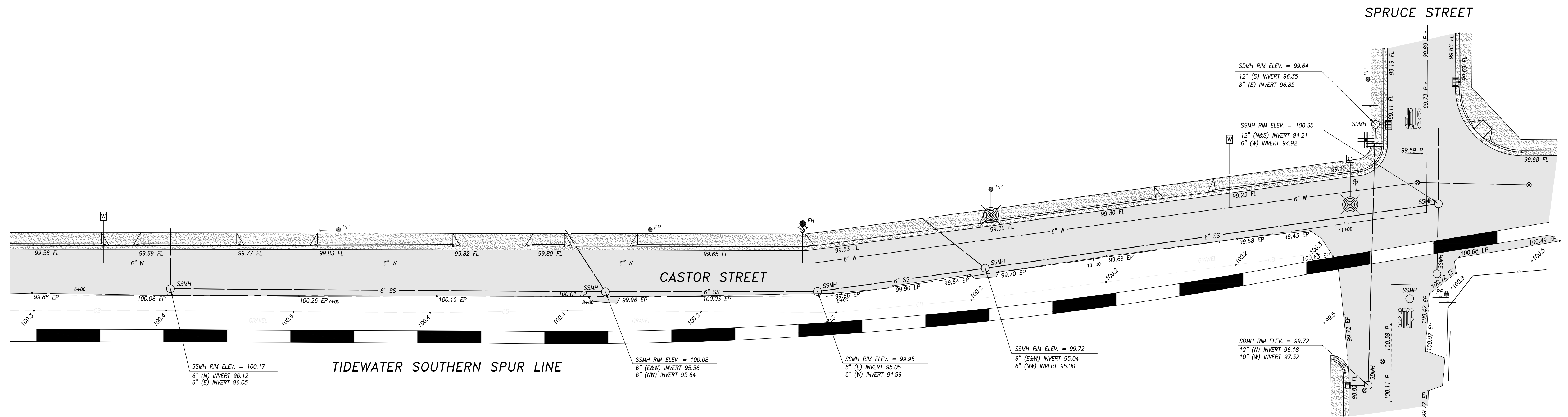
SHEET	DESCRIPTION
1	SHEET INDEX, LEGEND & VICINITY MAP
2	TOPOGRAPHY SURVEY ~ CASTOR STREET
3	TOPOGRAPHY SURVEY ~ ANGELUS STREET
4	TOPOGRAPHY SURVEY ~ BOTHUN ROAD
5	DEMOLITION PLAN ~ CASTOR STREET
6	DEMOLITION PLAN ~ ANGELUS STREET
7	DEMOLITION PLAN ~ BOTHUN ROAD
8	PLAN AND PROFILE SHEET ~ CASTOR STREET
9	PLAN AND PROFILE SHEET ~ ANGELUS STREET
10	PLAN AND PROFILE SHEET ~ ANGELUS STREET
11	PLAN AND PROFILE SHEET ~ BOTHUN ROAD
12	GRADING AND STRIPING SHEET ~ CASTOR STREET
13	GRADING AND STRIPING SHEET ~ ANGELUS STREET
14	GRADING AND STRIPING SHEET ~ BOTHUN ROAD
15	CONSTRUCTION DETAILS
16	CONSTRUCTION DETAILS

CONTACTS

CITY OF TURLOCK, DEVELOPMENT SERVICES DEPARTMENT (209) 668-5520 ENGINEERING DIVISION
CITY OF TURLOCK, MUNICIPAL SERVICES DEPARTMENT (209) 668-5590 FOR SEWER, STORM AND WATER LINES
TURLOCK IRRIGATION DISTRICT (ELECTRICAL) (209) 883-8419 DAVID PORATH
TURLOCK IRRIGATION DISTRICT (IRRIGATION) (209) 883-8367 TODD TROGLIN
CHARTER COMMUNICATIONS (209) 633-3311 ABEL DAVILA
PACIFIC GAS & ELECTRIC (GAS) (209) 576-6662 DAVID LOOMIS
AT&T (209) 549-5847 SHARON DINNELL
FIRE DEPARTMENT (NON-EMERGENCY) (209) 668-5580
POLICE DEPARTMENT (NON-EMERGENCY) (209) 668-1200
AMBULANCE (209) 632-2271
TURLOCK SCAVENGER (209) 668-7274

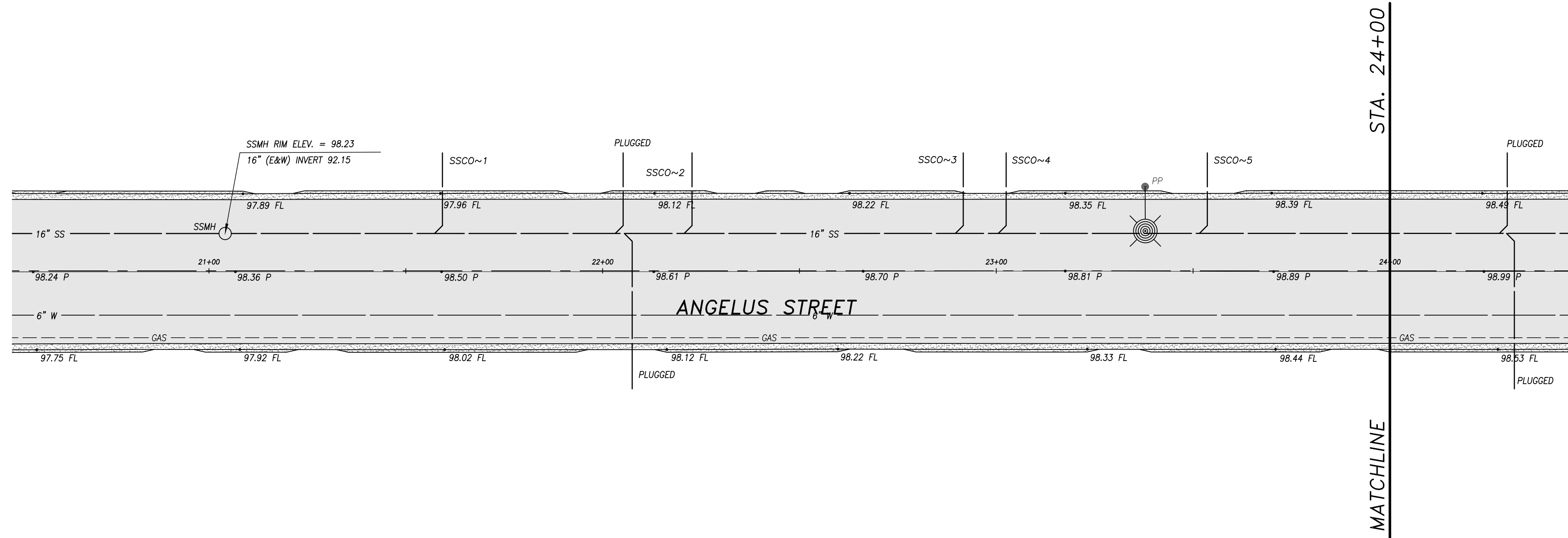
ABBREVIATIONS

RW	RIGHT-OF-WAY
PL	PROPERTY LINE
CL	CENTER LINE
FL	FLOWLINE
P	PAVEMENT
EP	EDGE OF PAVEMENT
TC	TOP OF CURB
EX	EXISTING
PROP	PROPOSED
GB	GRADE BREAK
HP	HIGH POINT
LP	LOW POINT
AP	ANGLE POINT
UP	UTILITY POLE
LF	LINEAR FOOT
CB	CATCH BASIN
SS	SANITARY SEWER
SD	STORM DRAIN
W	WATER
INV	INVERT
SSMH	SANITARY SEWER MANHOLE
SSCO	SANITARY SEWER CLEAN OUT
SDMH	STORM DRAIN MANHOLE



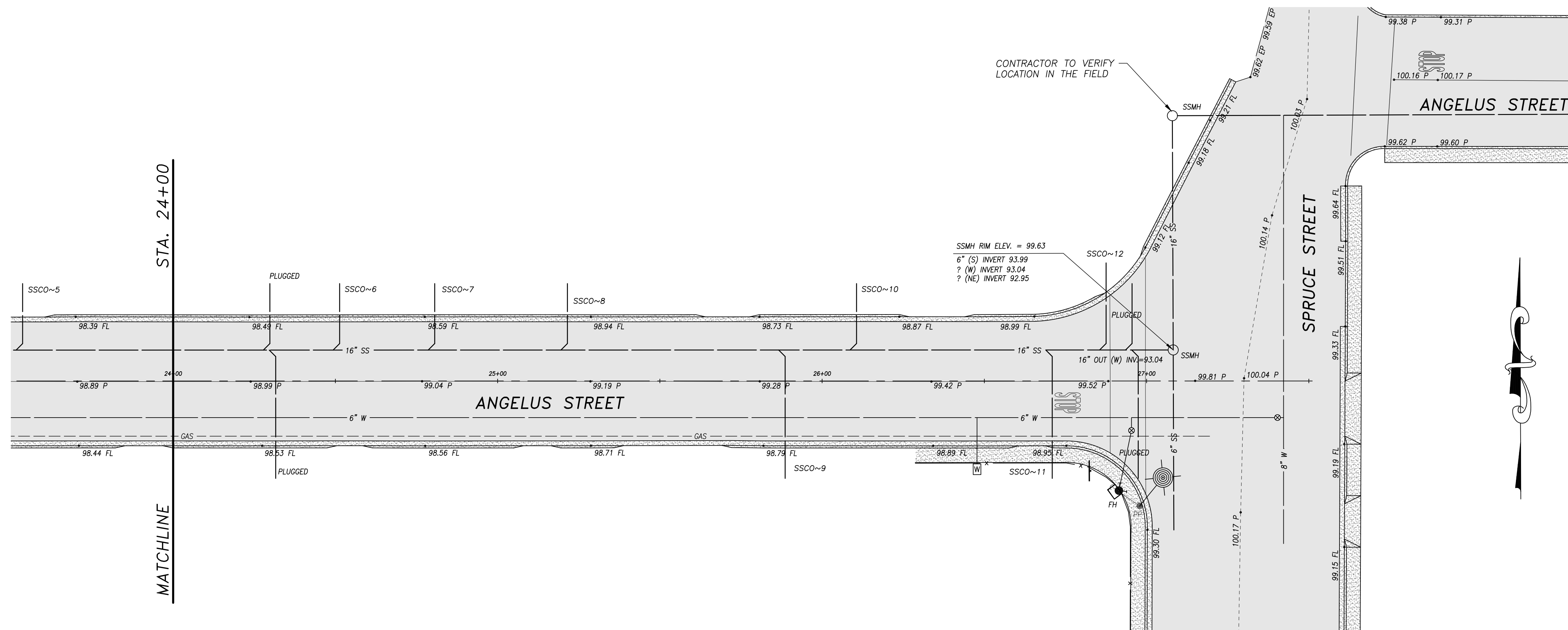
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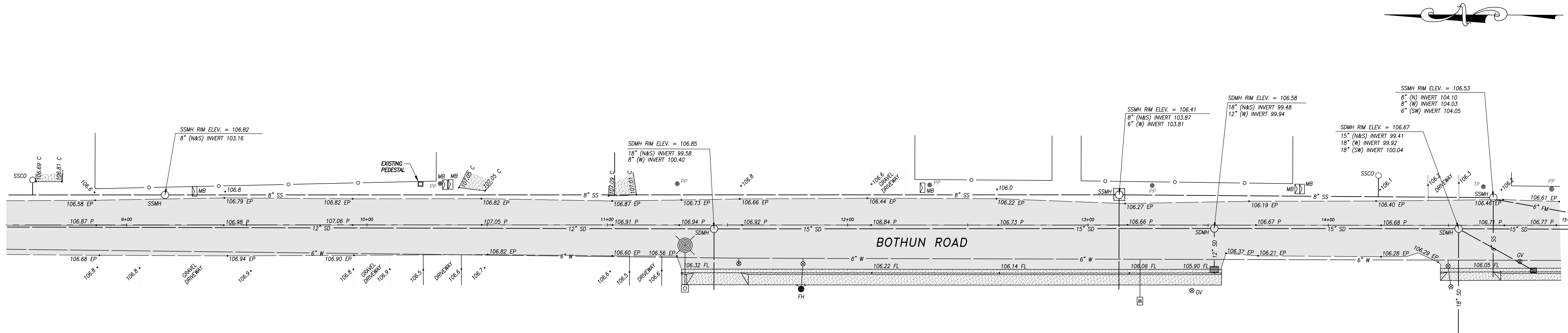
1. ALL ELEVATIONS REFER TO NAVD 88 DATUM, BENCHMARKS: AS SHOWN
2. ALL UTILITY INFORMATION SHOWN ON THIS MAP IS BASED UPON SURFACE EVIDENCE LOCATED IN THE FIELD AND THE RECORDS OF THE VARIOUS UTILITY COMPANIES.
3. BOUNDARY INFORMATION NOT SHOWN ON THIS MAP.



TOPOGRAPHY NOTES:

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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.

NATHAN B. BRAY, P.E.
INTERIM DEVELOPMENT SERVICES
DIRECTOR/CITY ENGINEER
11-12-19
PLANS APPROVAL DATE



CITY OF TURLOCK
DEVELOPMENT SERVICES
ENGINEERING DIVISION
156 S. BROADWAY, STE 150
(209) 668-5520

TOPOGRAPHY SURVEY
CAPITAL PROJECT NO. 14-30
SEWER PIPE LINE REPLACEMENT ON
CASTOR ST., ANGELUS ST., AND BOTHUN RD.

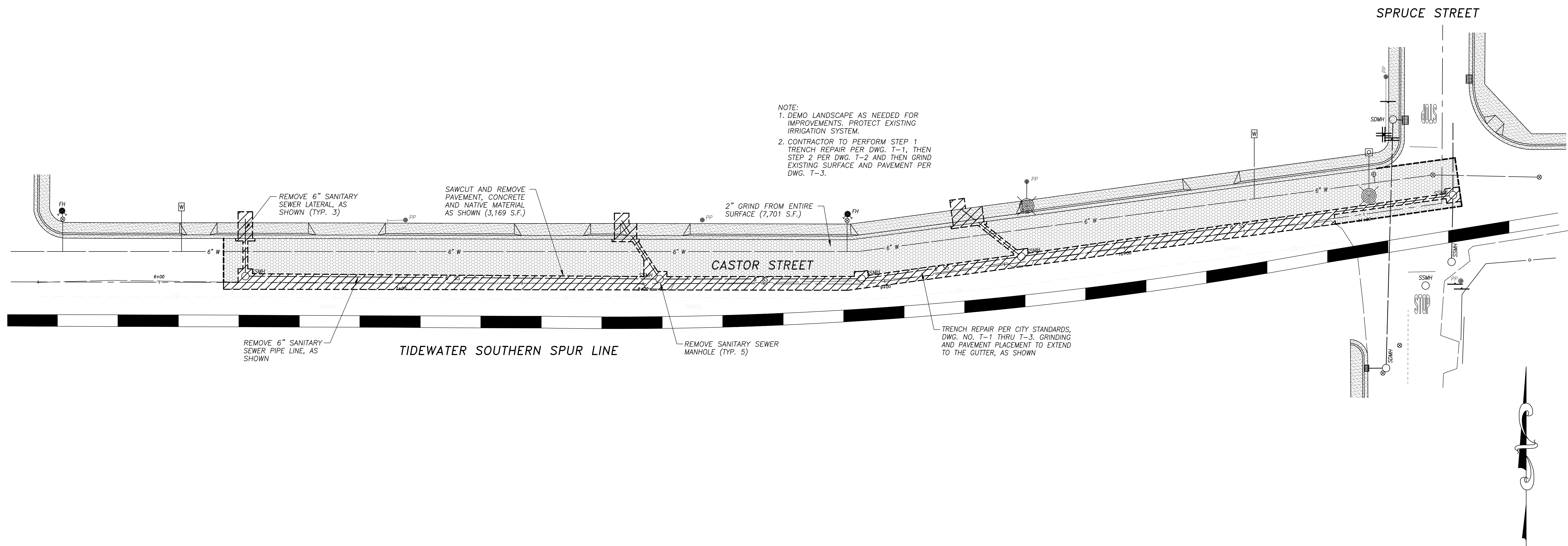
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
1/4" 3/4" 1"
0 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

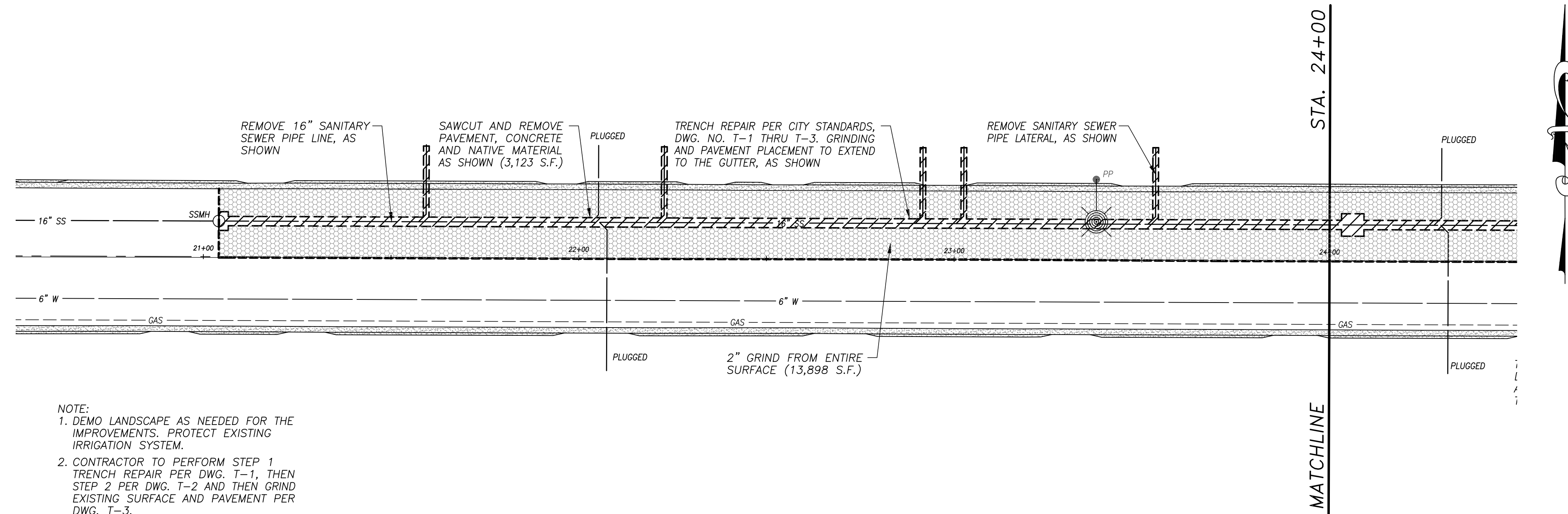
DRAWN BY: JSH
REV. BY: --
CH. BY: REJ
DATE: JULY 20, 2015
SCALE: 1" = 20'
14-30 BASE.dwg

SHEET

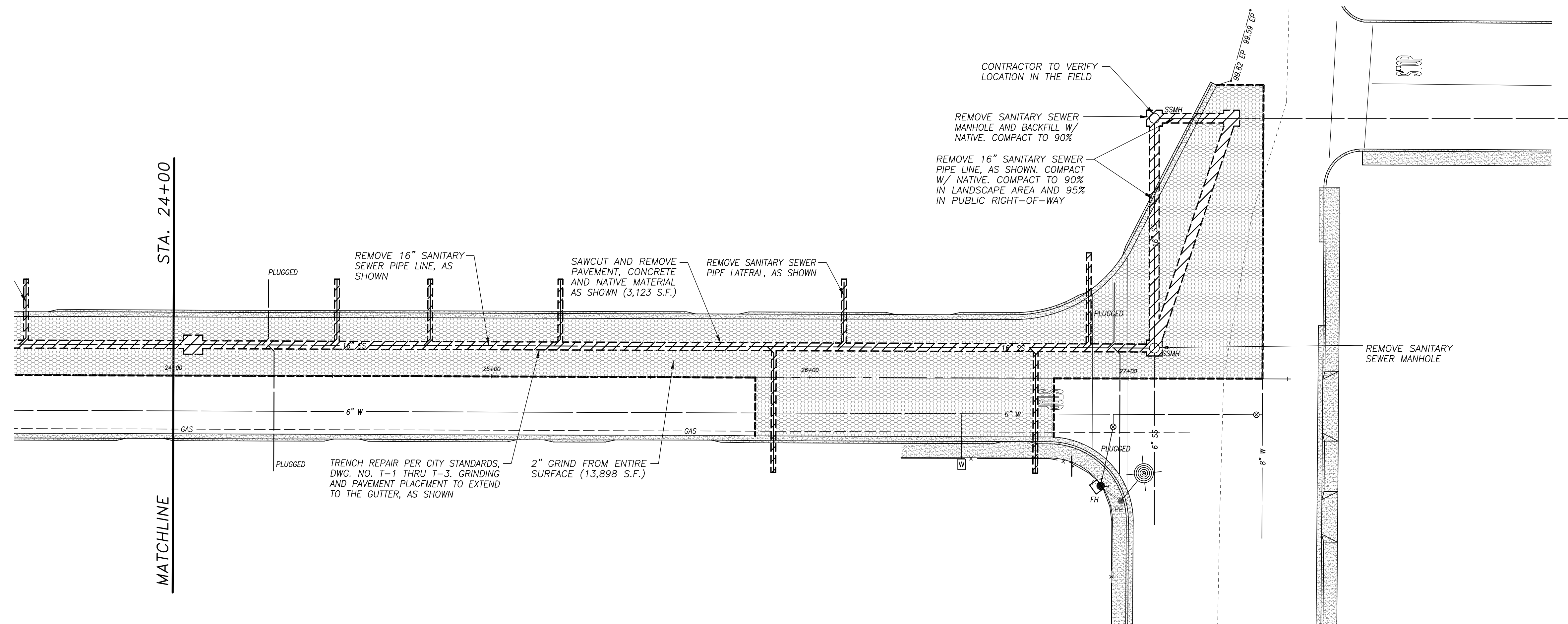
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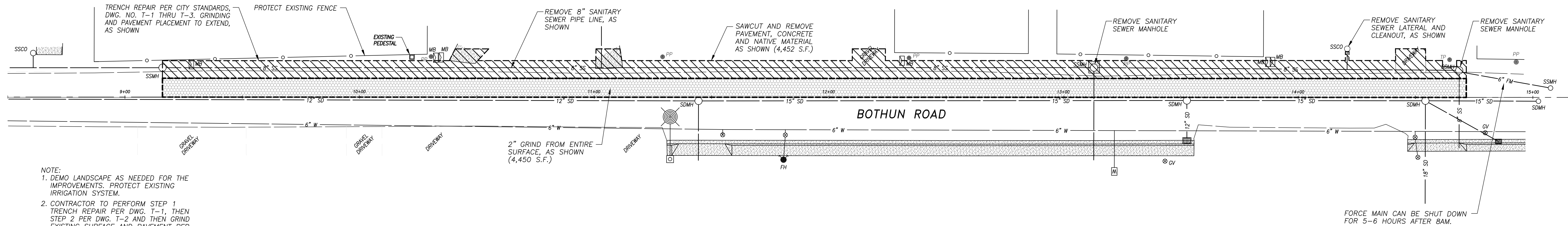
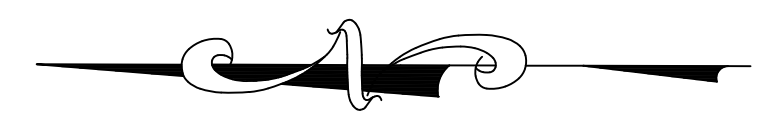
OF 16





- NOTE:
1. DEMO LANDSCAPE AS NEEDED FOR THE IMPROVEMENTS. PROTECT EXISTING IRRIGATION SYSTEM.
 2. CONTRACTOR TO PERFORM STEP 1 TRENCH REPAIR PER DWG. T-1, THEN STEP 2 PER DWG. T-2 AND THEN GRIND EXISTING SURFACE AND PAVEMENT PER DWG. T-3.





- NOTE:
1. DEMO LANDSCAPE AS NEEDED FOR THE IMPROVEMENTS. PROTECT EXISTING IRRIGATION SYSTEM.
 2. CONTRACTOR TO PERFORM STEP 1 TRENCH REPAIR PER DWG. T-1, THEN STEP 2 PER DWG. T-2 AND THEN GRIND EXISTING SURFACE AND PAVEMENT PER DWG. T-3.
 3. EXISTING MAILBOXES SHALL BE TEMPORARILY RELOCATED TO ENSURE THAT THERE IS NO DISRUPTION TO MAIL SERVICE. CONTRACTOR TO COORDINATE LOCATION OF MAILBOXES WITH RESIDENT & U.S. POSTAL SERVICES PRIOR TO BEGINNING OF WORK.

FORCE MAIN CAN BE SHUT DOWN FOR 5-6 HOURS AFTER 8AM.



NOTE:
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NATHAN B. BRAY, P.E.
INTERIM DEVELOPMENT SERVICES
DIRECTOR/CITY ENGINEER
11-12-19
PLANS APPROVAL DATE

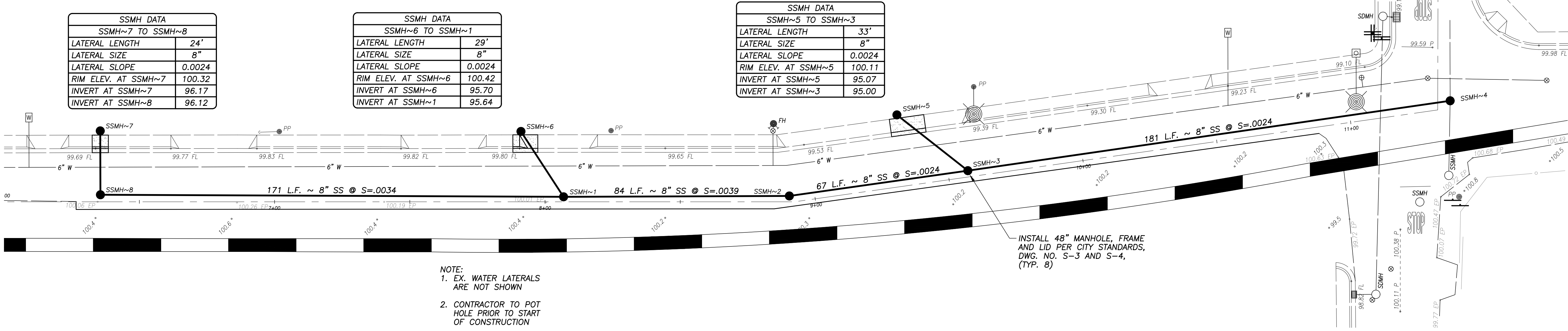


CITY OF TURLOCK
DEVELOPMENT SERVICES
ENGINEERING DIVISION
156 S. BROADWAY, STE 150
(209) 668-5520

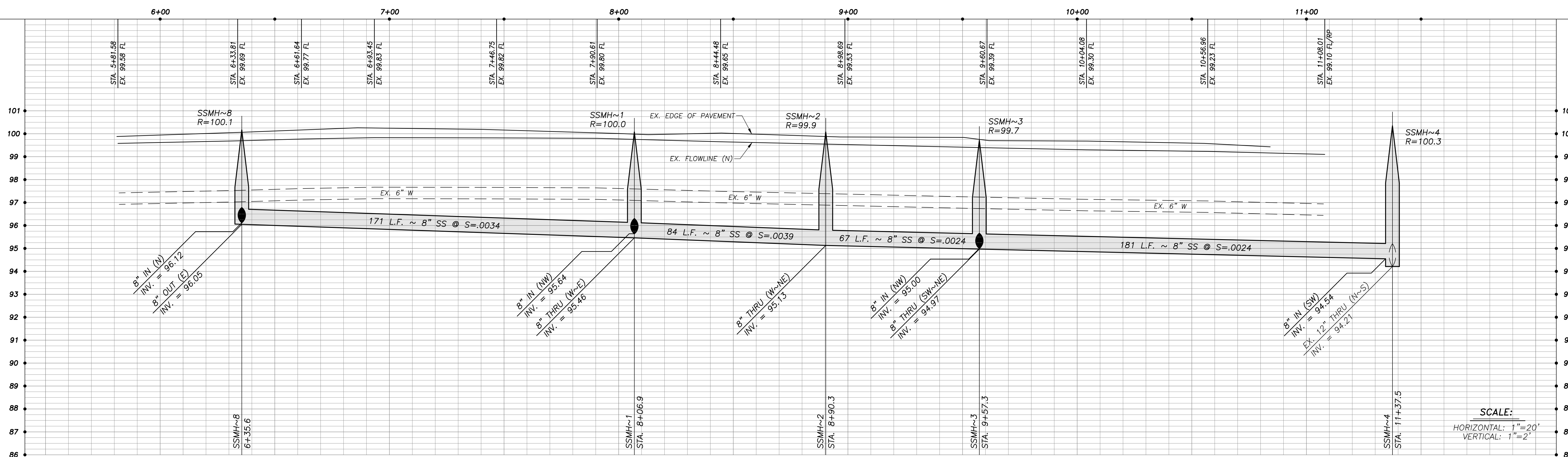
DEMOLITION PLAN
CAPITAL PROJECT NO. 14-30
SEWER PIPE LINE REPLACEMENT ON
CASTOR ST., ANGELUS ST., AND BOTHUN RD.

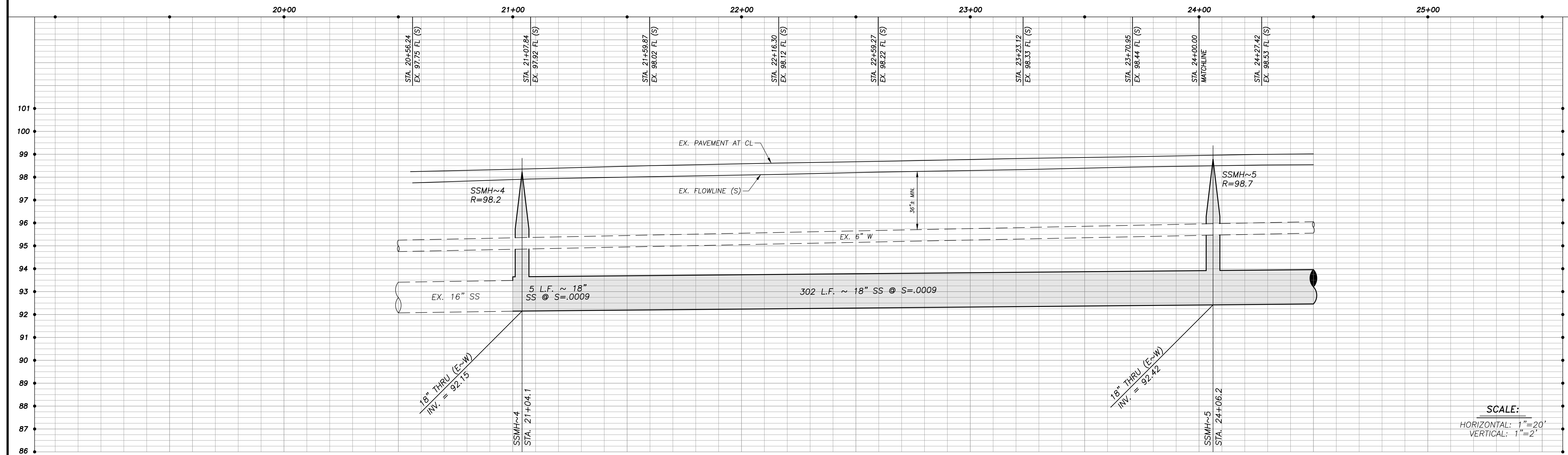
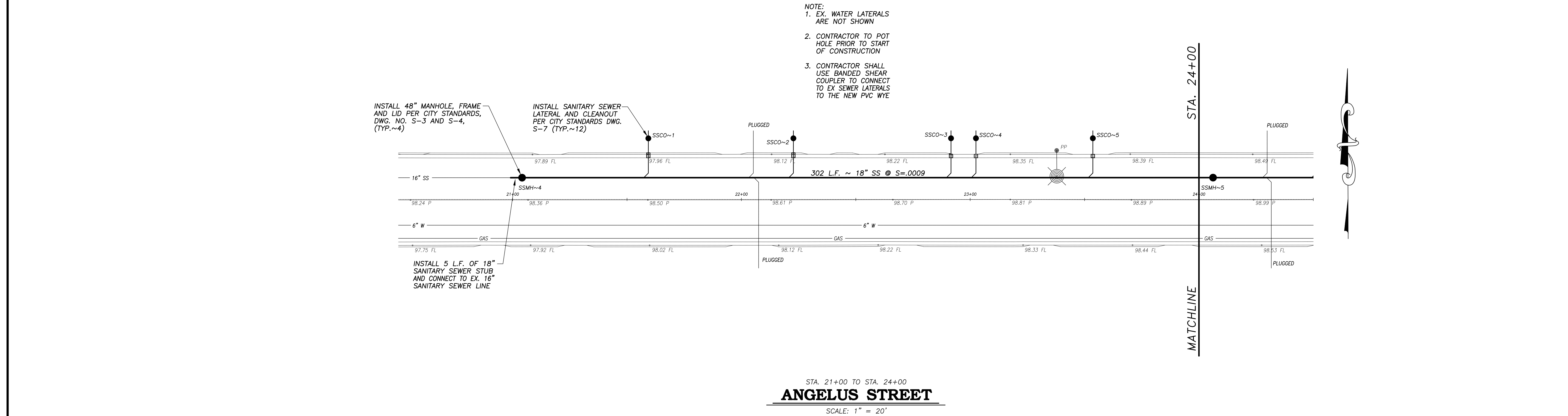
VERIFY SCALE
BAR IS 1" ON ORIGINAL DRAWING
0 1/4" 3/4" 1" 1/2"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWN BY:	JSH
REV. BY:	--
CH. BY:	REJ
DATE:	JULY 20, 2015
SCALE:	1" = 20'
	14-30 BASE.dwg



STA. 6+00 TO END
CASTOR STREET
SCALE: 1" = 20'





- NOTE:
1. EX. WATER LATERALS ARE NOT SHOWN
 2. CONTRACTOR TO POT HOLE PRIOR TO START OF CONSTRUCTION
 3. CONTRACTOR SHALL USE BANDED SHEAR COUPLER TO CONNECT TO EX SEWER LATERALS TO THE NEW PVC WYE

CONNECT EX. SEWER PIPE TO MANHOLE WITH CONCRETE COLLAR PER "CONCRETE COLLAR DETAIL", SEE SHEET 16 (TYP.)

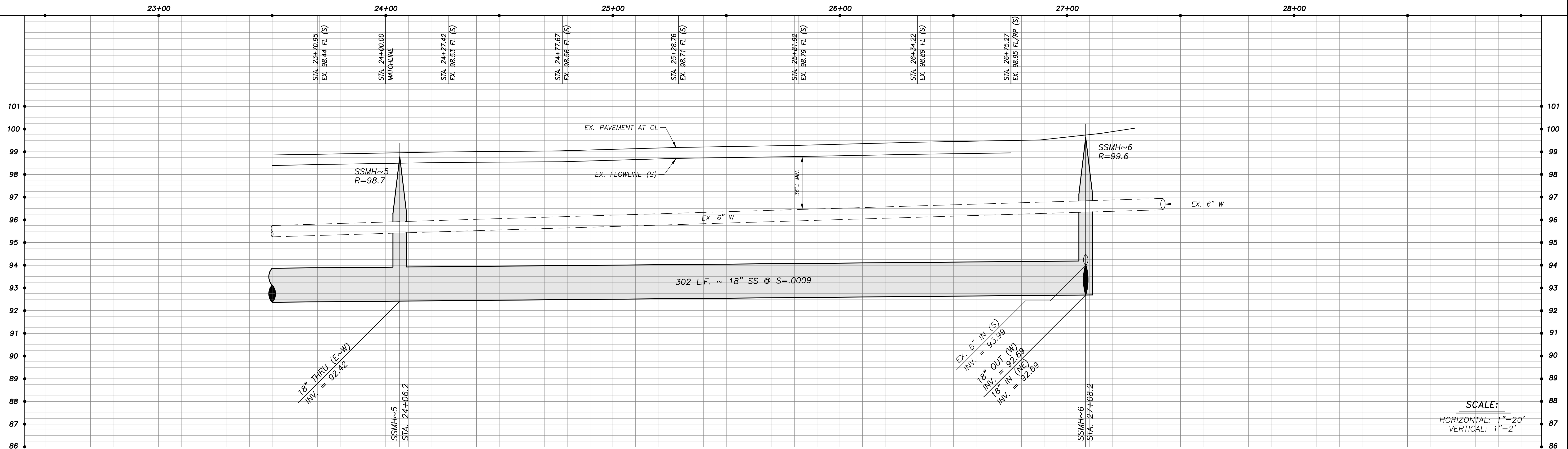
SSMH DATA	
SSMH~6 TO SSMH~7	
LATERAL LENGTH	77'
LATERAL SIZE	18"
LATERAL SLOPE	0.0009
RIM ELEV. AT SSMH~7	100.03
INVERT AT SSMH~6	92.69
INVERT AT SSMH~7	92.75

INSTALL 48" MANHOLE, FRAME AND LID PER CITY STANDARDS, DWG. NO. S-3, S-4, AND S-5. (TYP.~4)

INSTALL SANITARY SEWER LATERAL AND CLEANOUT PER CITY STANDARDS DWG. S-7 (TYP.~12)

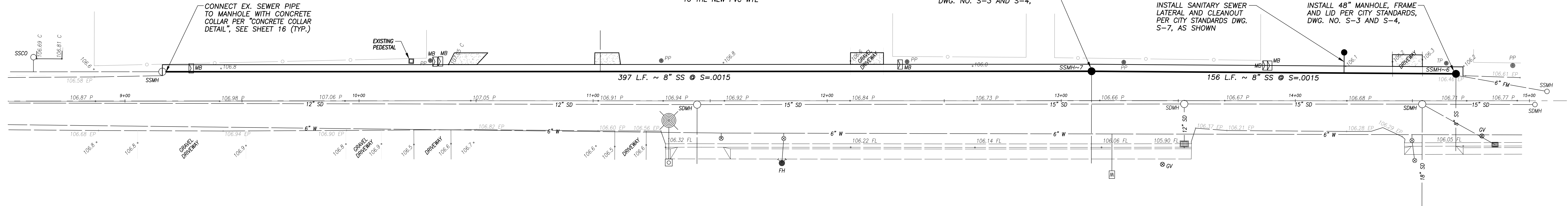
STA. 24+00 TO END
ANGELUS STREET

SCALE: 1" = 20'

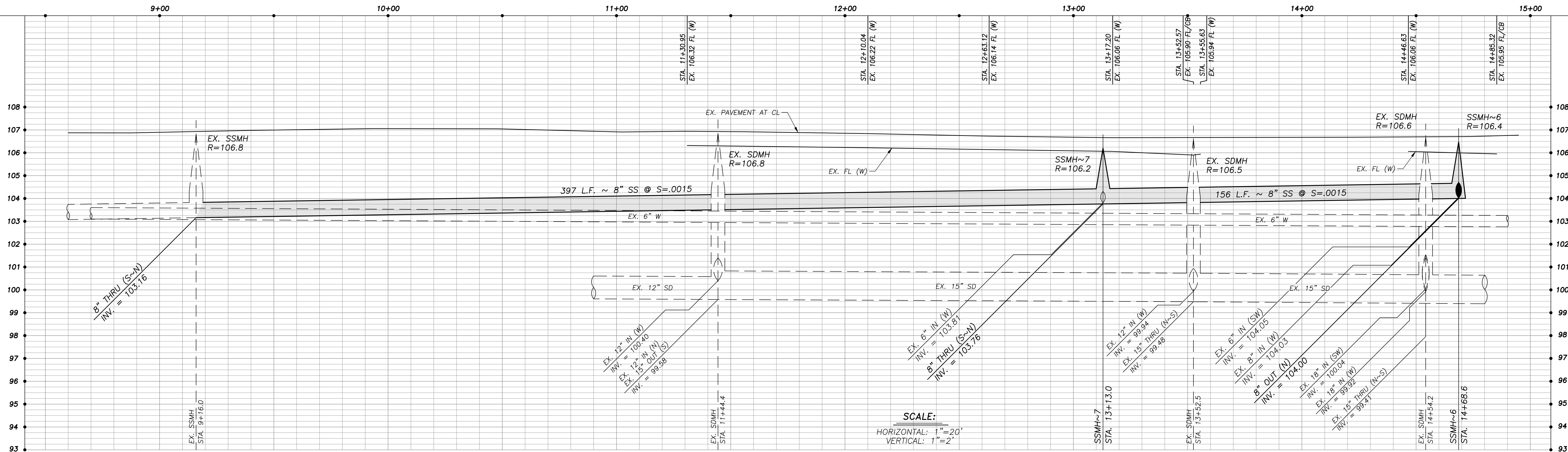


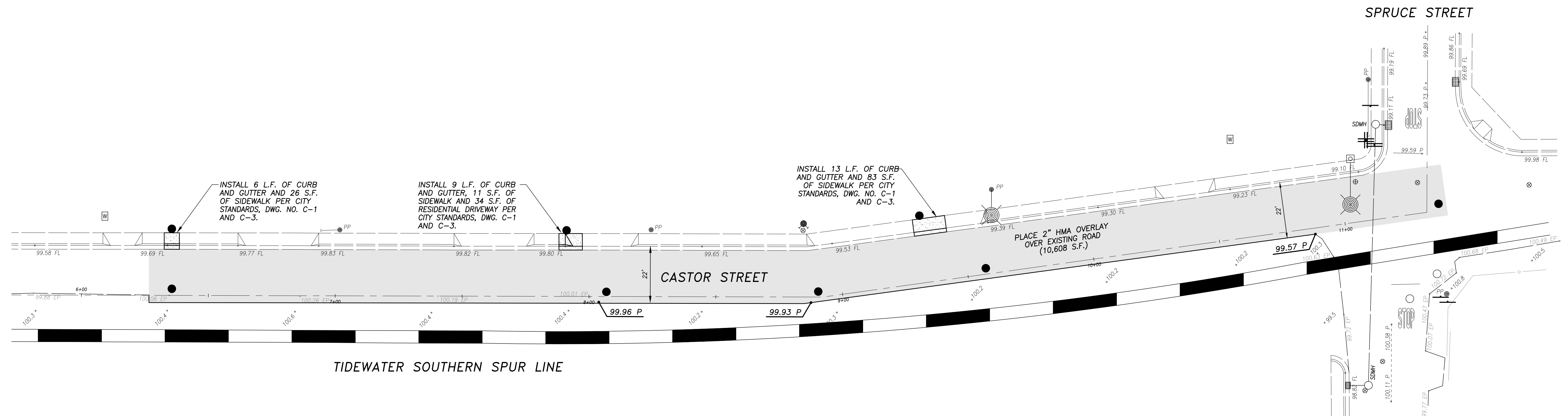
SCALE:
HORIZONTAL: 1"=20'
VERTICAL: 1"=2'

- NOTE:
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 3. CONTRACTOR SHALL USE BANDED SHEAR COUPLER TO CONNECT TO EX SEWER LATERALS TO THE NEW PVC WYE



STA. 9+00 TO STA. 15+00
BOTHUN ROAD
SCALE: 1" = 20'



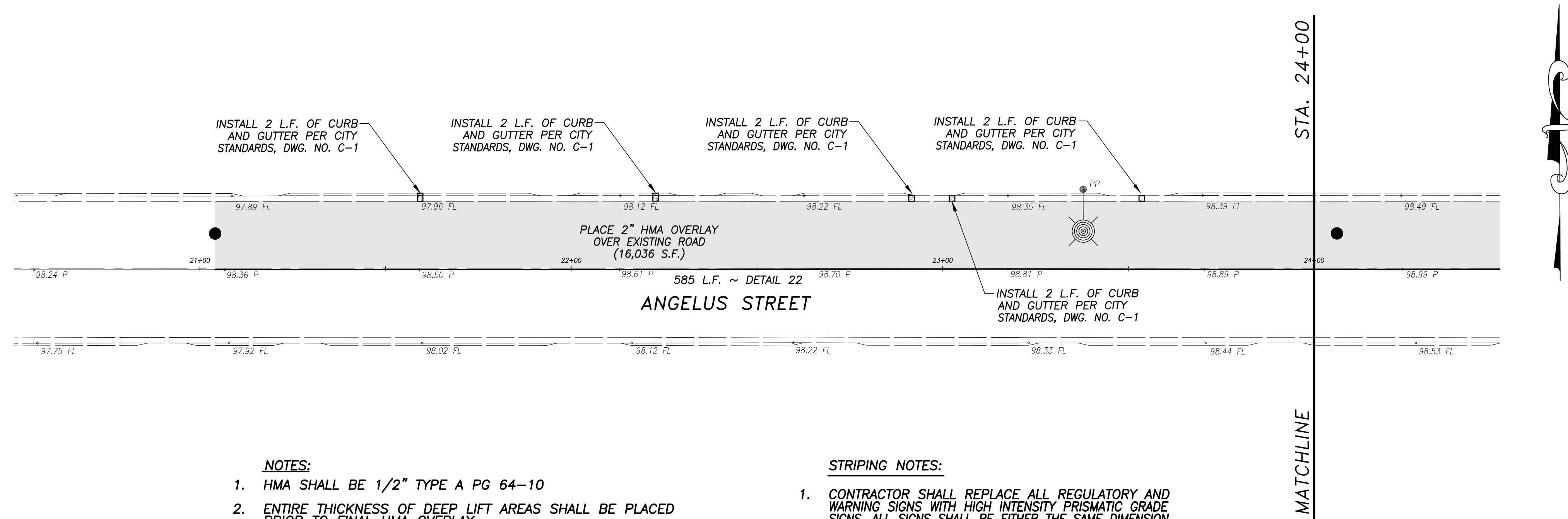


NOTES:

- HMA SHALL BE PG 1/2" TYPE A 64-10
- ENTIRE THICKNESS OF DEEP LIFT AREAS SHALL BE PLACED PRIOR TO FINAL HMA OVERLAY
- PLACE TEMPORARY STRIPING AFTER PAVING OPERATIONS, CONSISTING OF STOP BARS, LANE LINES, CENTERLINES AND CROSSWALKS CONFORMING TO THE STRIPING PLANS
- FINAL STRIPING SHALL BE PLACED SEVEN (7) CALENDAR DAYS AFTER LAST PAVING DAY
- RAISE ALL FRAMES AND COVERS TO FINISH GRADE. USE PG 64-10 HMA FOR PAVING AROUND FRAMES
- DEEP LIFT HMA SHALL CONSIST OF 6" HMA OVER NATIVE, COMPACTED TO 95% R.C.
- FINAL PAVEOUT WITH 2" HMA OVER ENTIRE SURFACE

STRIPING NOTES:

- CONTRACTOR SHALL REPLACE ALL REGULATORY AND WARNING SIGNS WITH HIGH INTENSITY PRISMATIC GRADE SIGNS. ALL SIGNS SHALL BE EITHER THE SAME DIMENSION OR THE SMALLEST LEGAL SIZE, WHICHEVER IS LARGER. USE EXISTING POST IF APPLICABLE.
- ALL PAVEMENT MARKINGS AND STRIPES SHALL BE THERMOPLASTIC.
- PAVEMENT MARKERS SHALL BE PLASTIC. CERAMIC PAVEMENT MARKERS WILL NOT BE ALLOWED.

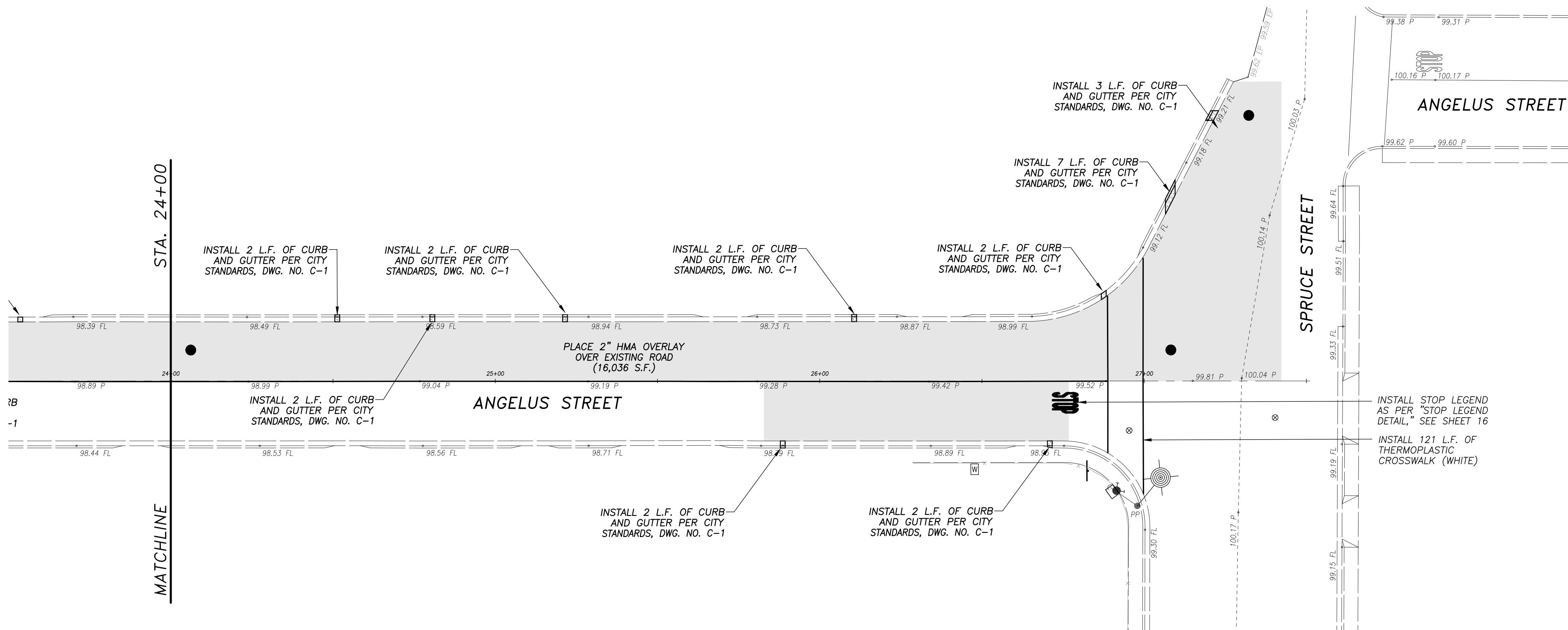


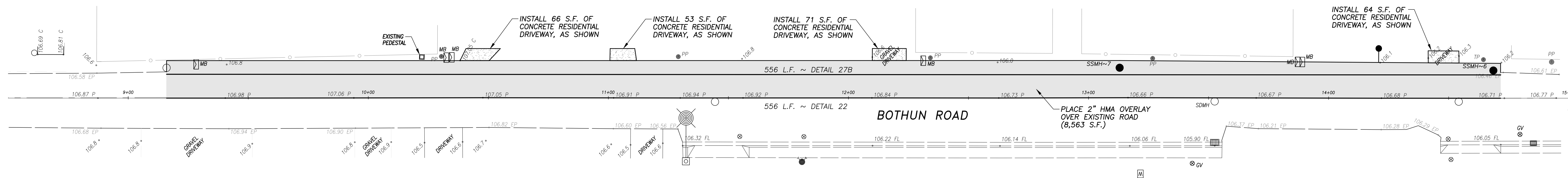
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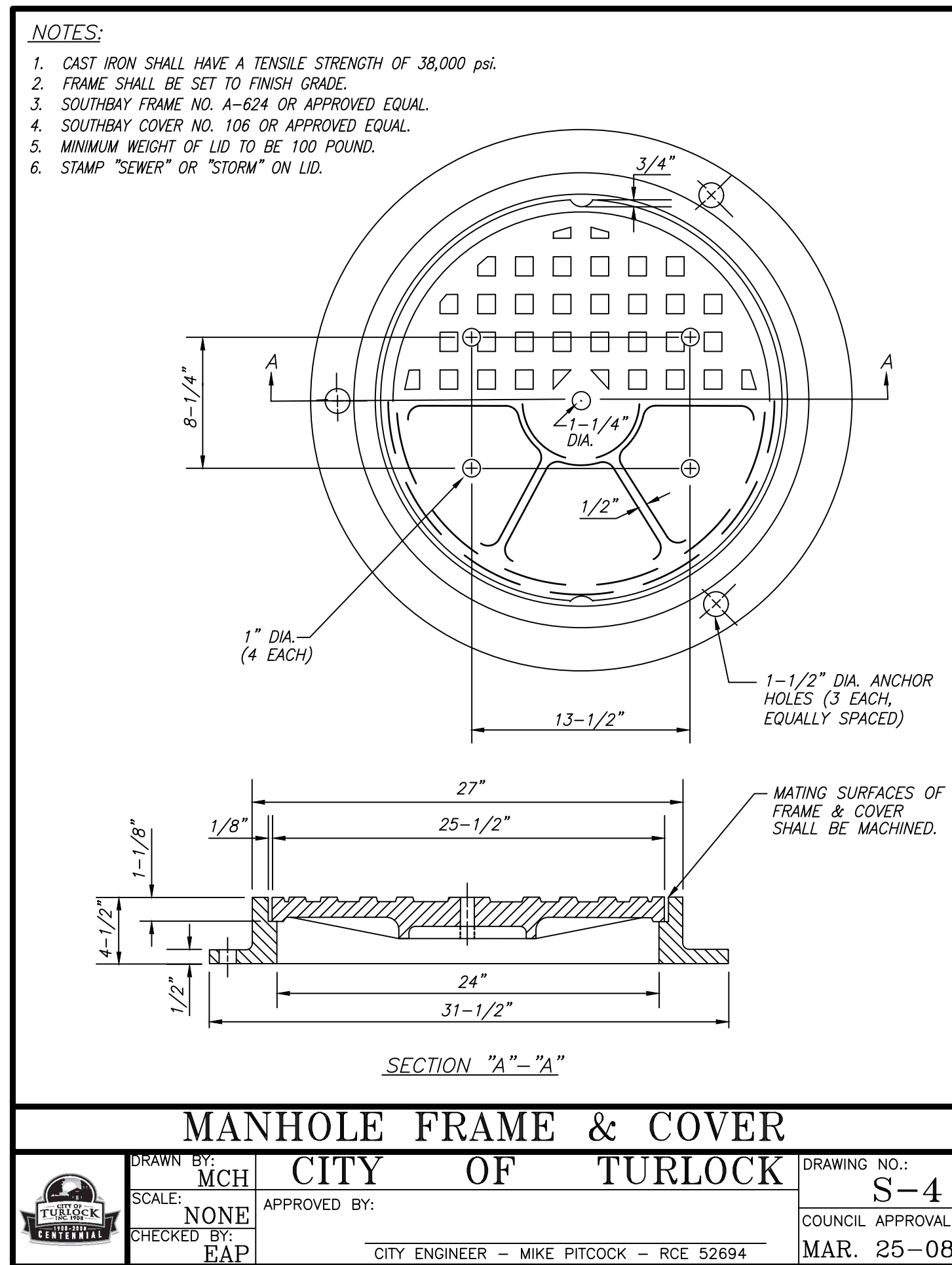
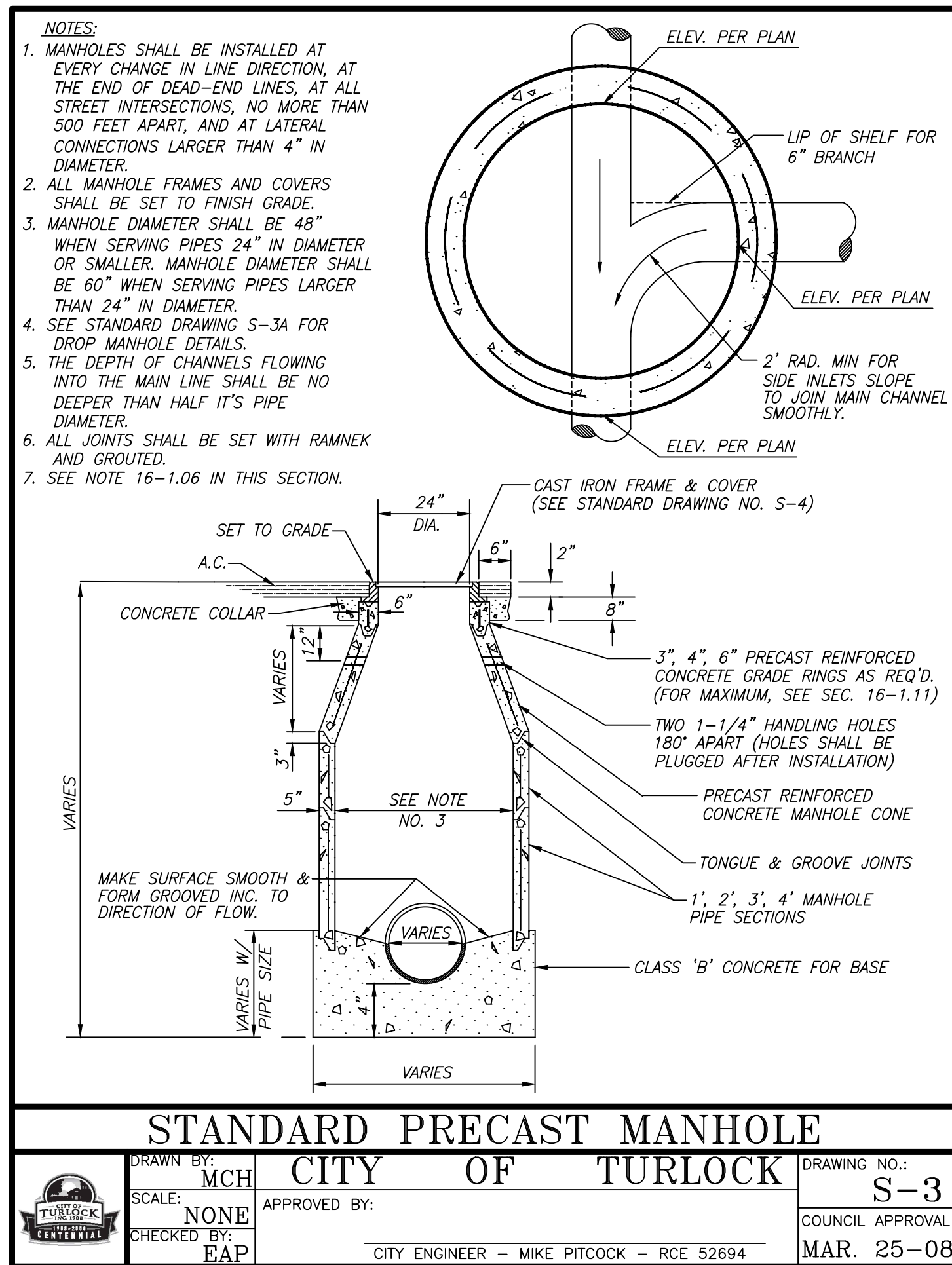
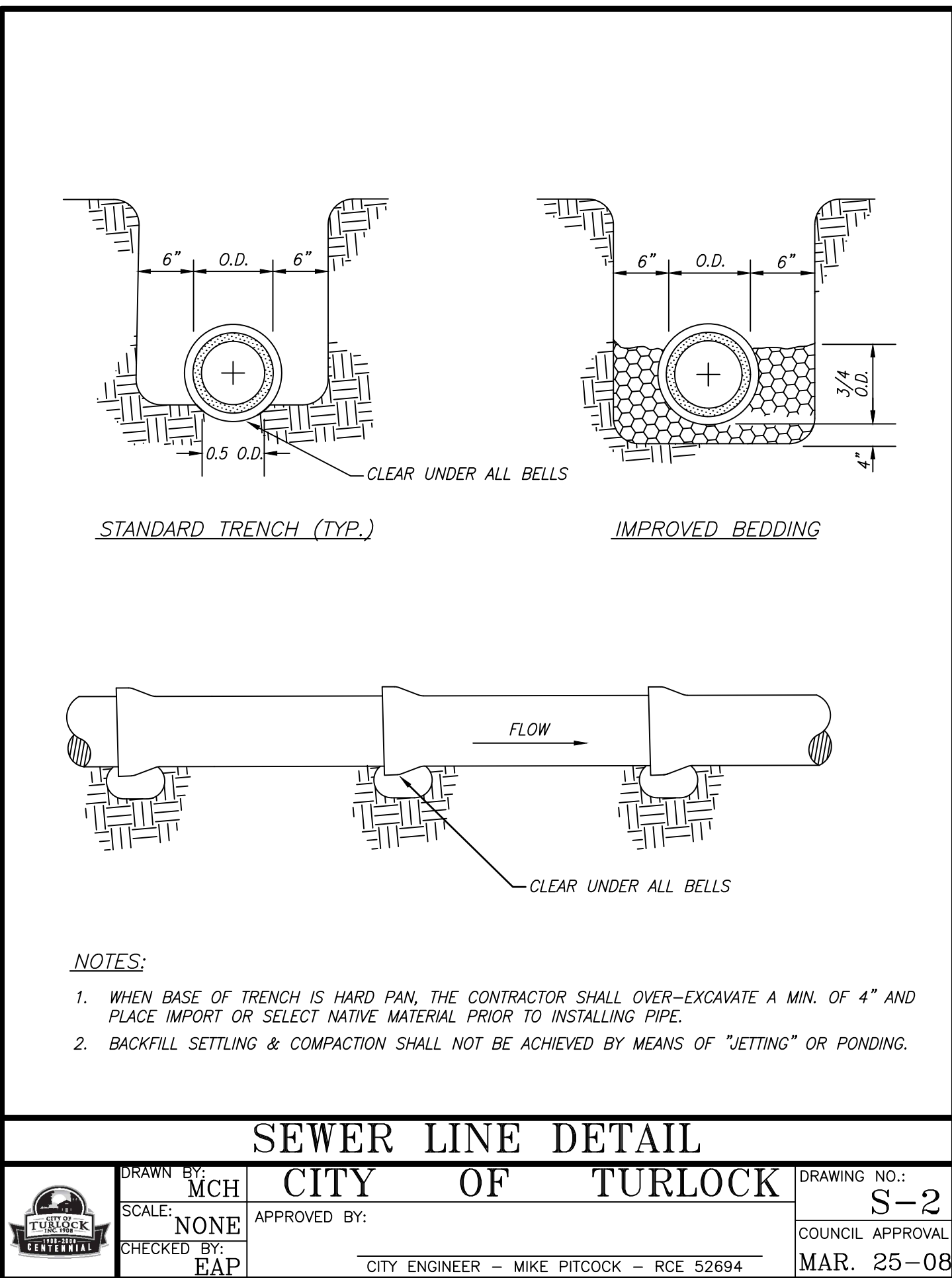
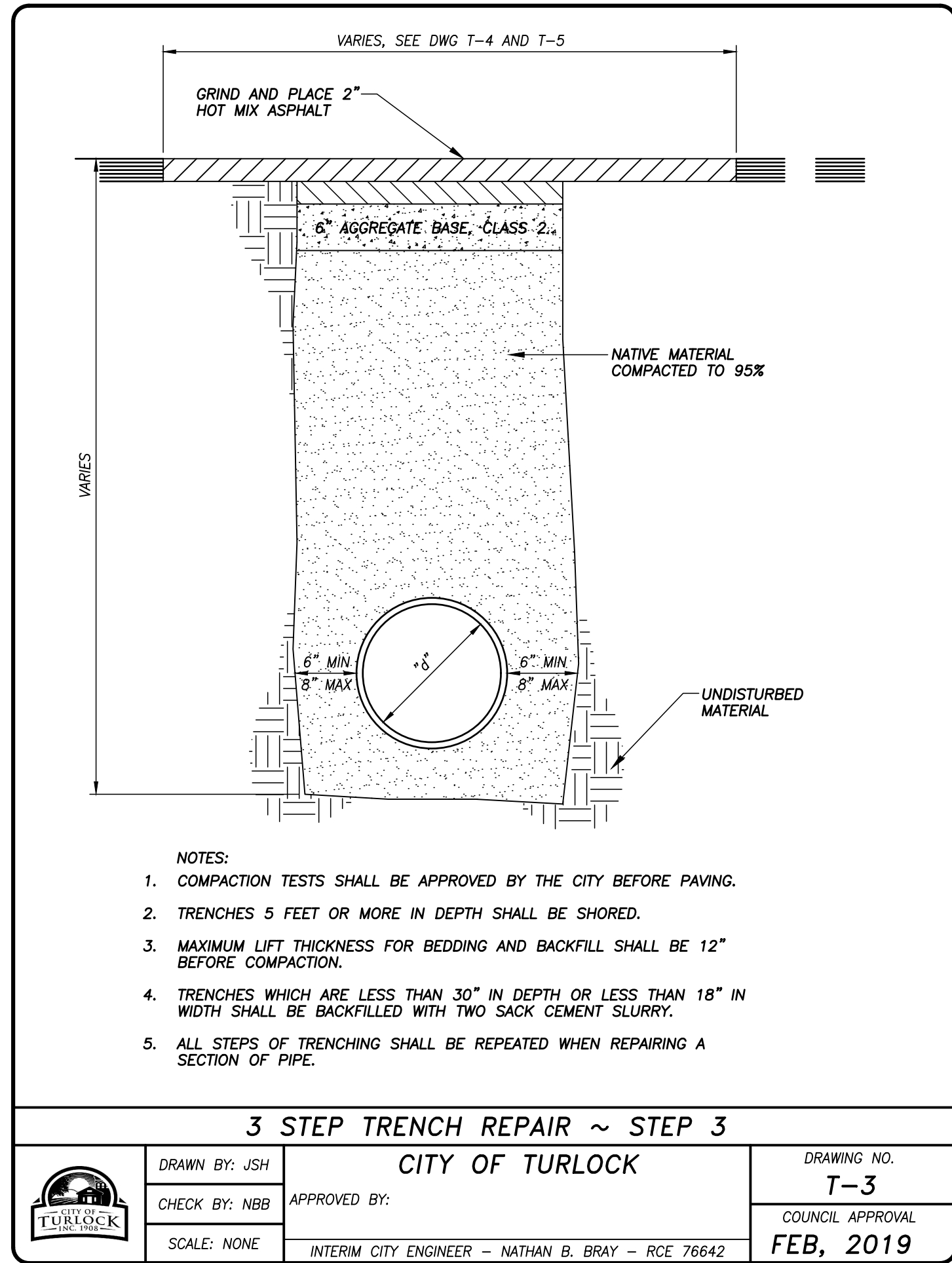
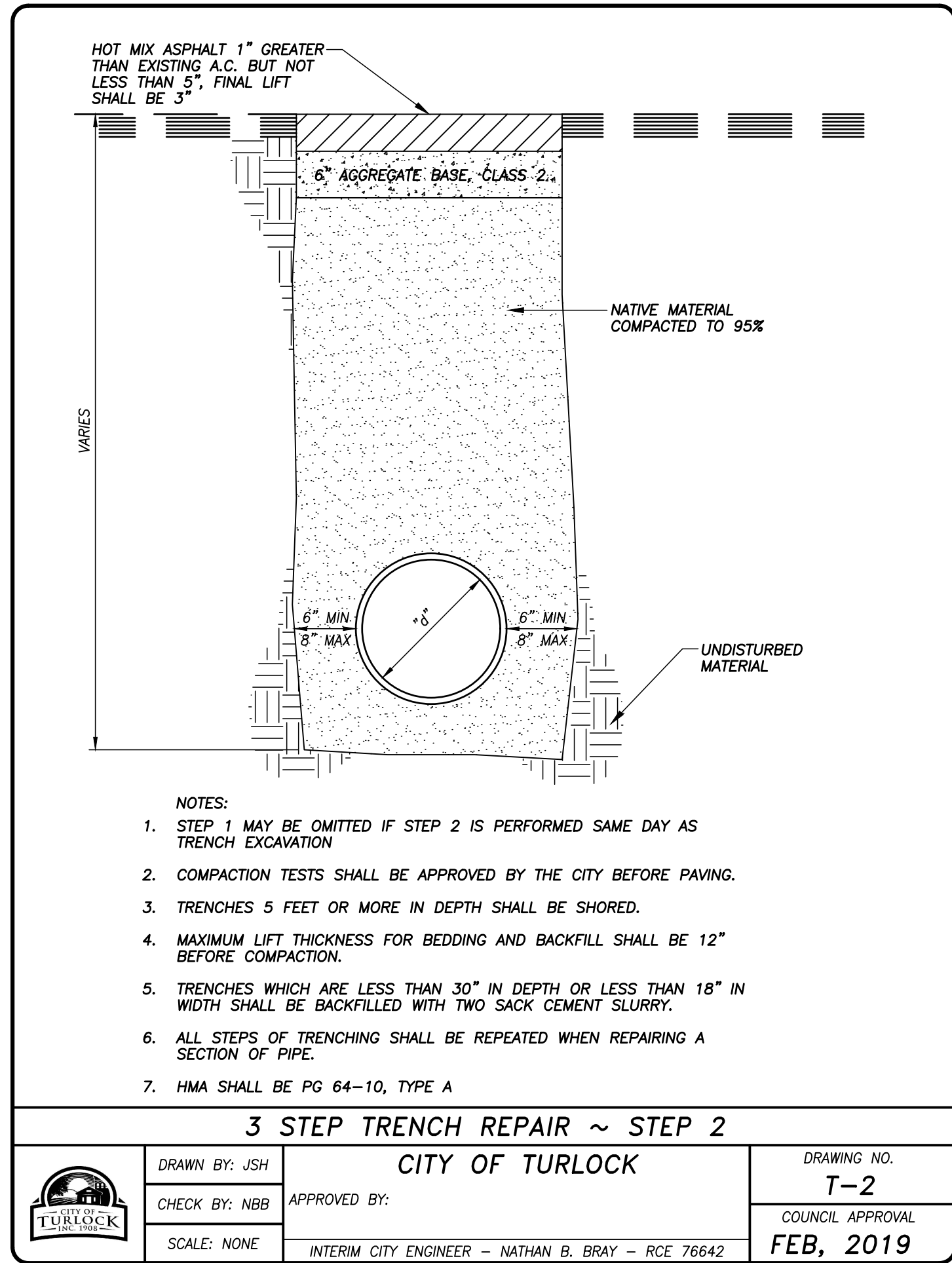
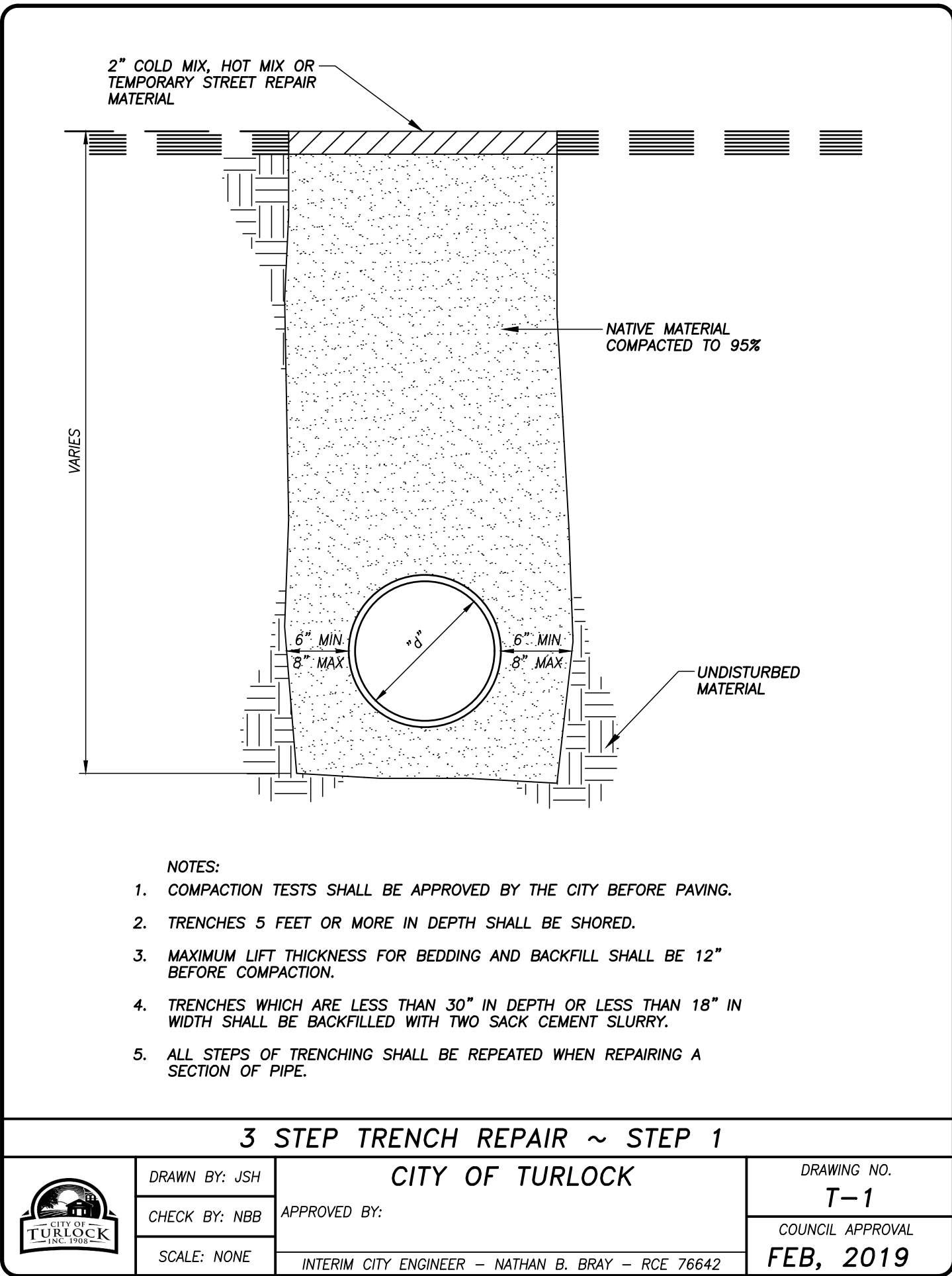


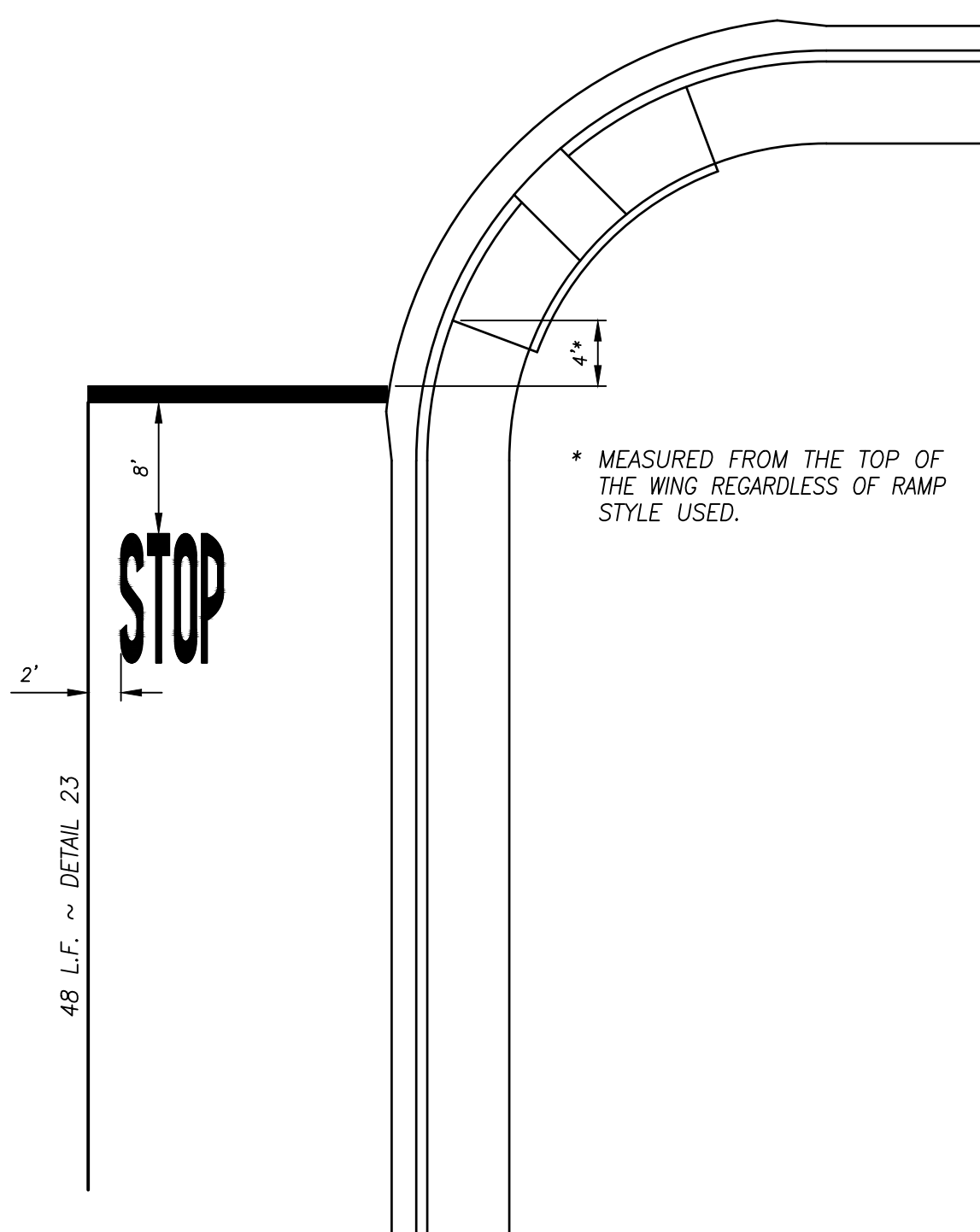
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- DEEP LIFT HMA SHALL CONSIST OF 6" HMA OVER NATIVE, COMPACTED TO 95% R.C.
- FINAL PAVEOUT WITH 2" HMA OVER ENTIRE SURFACE
- 2% ROAD SLOPE FROM EXISTING EDGE OF PAVEMENT TO NEW EDGE OF PAVEMENT

STRIPING NOTES:

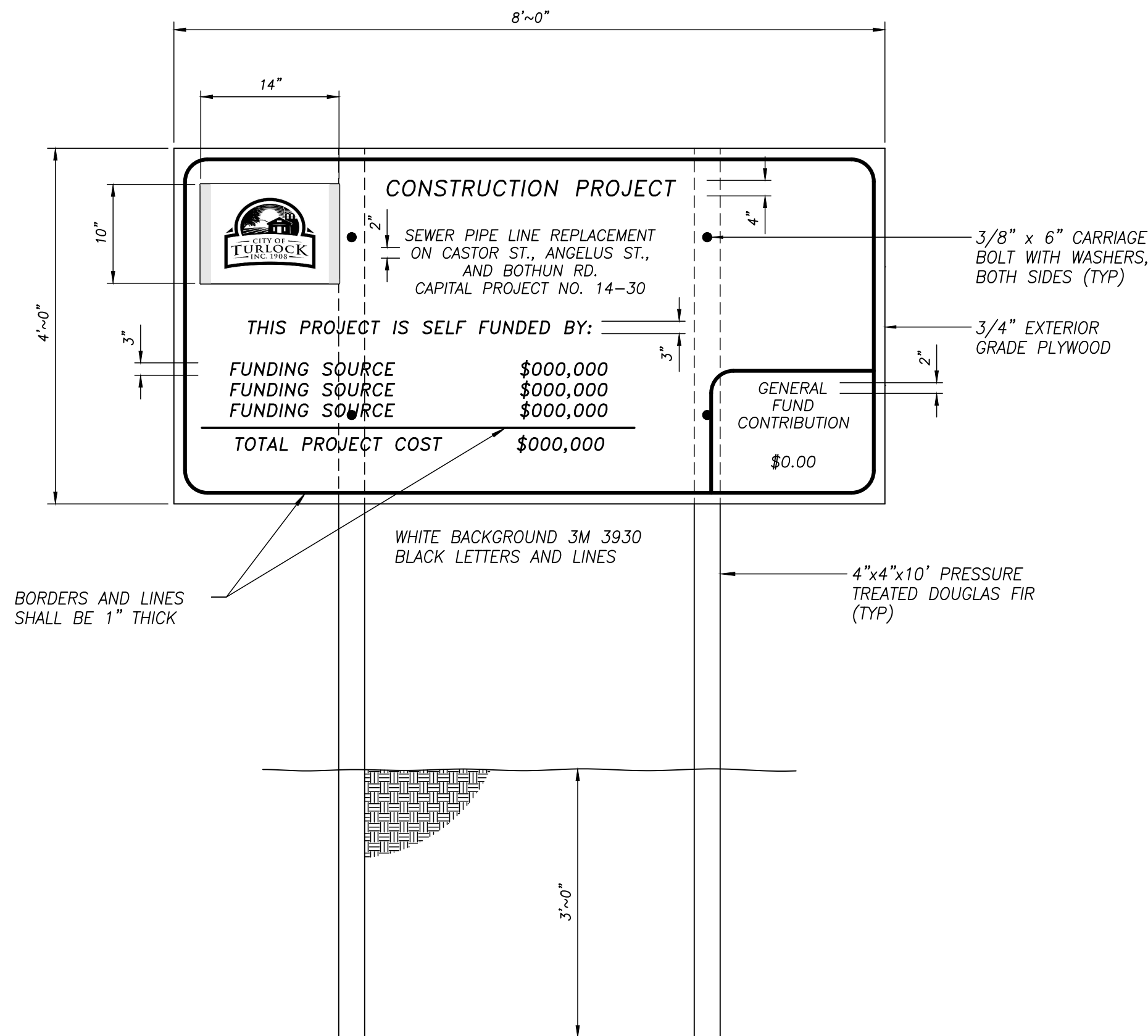
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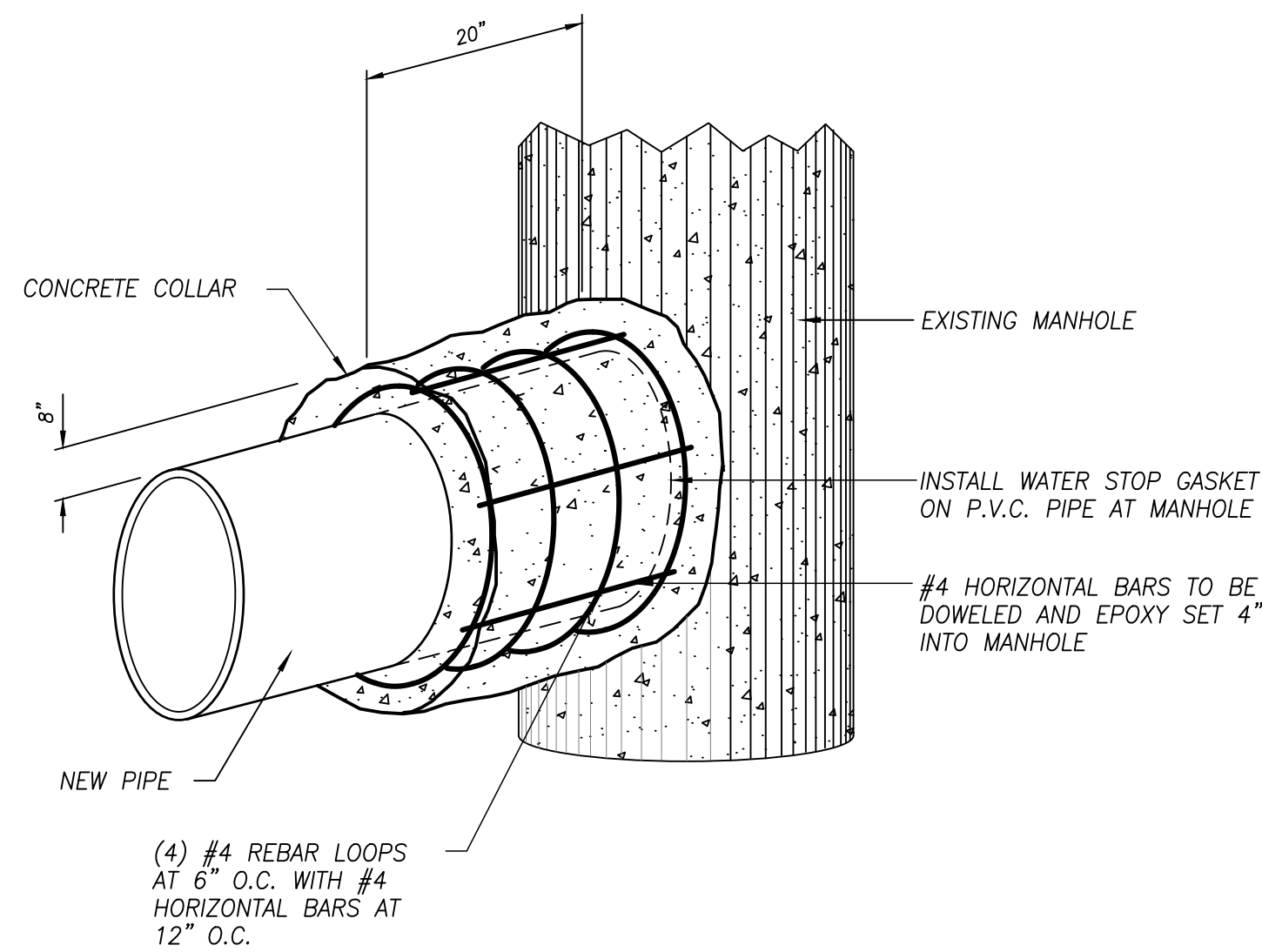
STOP BAR AND LEGEND DETAIL

NO SCALE



TEMPORARY CONSTRUCTION SIGN

NOT TO SCALE



CONCRETE COLLAR DETAIL

NOT TO SCALE