



DEVELOPMENT SERVICES
ENGINEERING DIVISION
156 S. BROADWAY, SUITE 150
TURLOCK, CA 95380

PHONE: (209) 668-5520
FAX: (209) 668-5563
TDD: (800) 735-2929
engineering@turlock.ca.us

Date: 6/24/22

City Project No.: 21-018

Addendum No.: 1

Plan holders:

Revisions to Plans and Specifications

The following additions, deletions or modifications shall become part of the Contract Documents:

Strikethrough text (~~text~~) indicates deletions. Bold Italicized text (***text***) indicates additions

Item No. 1:

Section 10.38 Traffic Signal Detector System:

Contractor shall install new detector loops per the project plans and as summarized in the table below:

Intersection	No. of Vehicle Detector Loops	No. of Bike Detector Loops
Lander Ave. & F St.	32	0
Lander Ave. & Linwood Ave.	46	2
Lander Ave. & Glenwood Ave.	34 38	0

Item No. 2:

Updates to Bidding Form (Attached):

1. Bid Item 7 "Remove Tree" estimated quantity has increased from 3 to 4.

Item No. 3:

Updates to Plan Set (Attached):

1. Remove and replace the plans with the attached plan sheets.

If you have any questions, please call me at (209) 668-6021 or email at Rjones@turlock.ca.us.

Sincerely,

Randall Jones
Associate Engineer

BIDDER'S FORM

PROJECT TITLE: Lander Ave Rehabilitation between D St and SR-99

PROJECT NUMBER: 21-018

OPENING DATE: June 30, 2022

OPENING TIME: 2:00 PM

Item No.	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Total
1	Mobilization & Demobilization	LS	1		
2	Construction Project Sign	EA	3		
3	Caltrans Encroachment Permit	ALLOW	1	\$5,000.00	
4	Traffic Control	LS	1		
5	Storm Water Pollution Prevention	LS	1		
6	Remove Existing Improvements	LS	1		
7	Remove Tree	EA	4		
8	Pothole Existing Utilities	LS	1		
9	Earthwork and Grading	LS	1		
10	Replacement of three (3) Water Valves at Linwood & Lander	LS	1		
11	Fire Hydrant Assembly	EA	8		
12	6" PVC Water Pipe	LF	276		
13	1" Water Service	LS	1		
14	1" Landscape Service	LS	1		
15	8" Fire Water Line	LS	1		
16	Relocate Fence	LS	1		
17	Minor Concrete (Curb and Gutter)	LF	823		
18	Minor Concrete (Flatwork/Access Ramps)	SF	11,020		
19	Minor Concrete (Exposed Aggregate)	SF	760		
20	Minor Concrete (Residential Driveway Approach)	SF	1,236		
21	Minor Concrete (Valley Gutter)	SF	554		
22	Minor Concrete (Retaining Curb)	LF	60		
23	Access Ramps (Added Labor and Detectable Warning)	EA	18		
24	Irrigation Repairs	ALLOW	1	\$5,000.00	
25	Minor Concrete (Vertical Curb)	LF	3,483		
26	Deep Lift (12" HMA)	SF	4,067		

27	Grind Existing Asphalt (3.5" depth)	SY	24,852		
28	Grind Existing Asphalt (2" depth)	SY	3,785		
29	Aggregate Base	CY	417		
30	Hot Mix Asphalt (2" Side Streets)	TON	426		
31	Hot Mix Asphalt	TON	5,332		
32	Digout and Plug Paving Allowance	ALLOW	1	\$100,000.00	
33	Temporary Traffic Striping	LS	1		
34	Adjust Frames and Covers to Grade (Storm and Sewer Manholes)	EA	33		
35	Adjust Frames and Covers to Grade (Water and Survey Monument boxes)	EA	35		
36	Install/Adjust Survey Monument Well to Grade	EA	5		
37	RRFB Pedestrian Activated Crossing Systems	LS	1		
38	Street Light and Conduits	EA	4		
39	Traffic Signal Detector System - F St	LS	1		
40	Traffic Signal Dectector System - Linwood Ave	LS	1		
41	Traffic Signal Improvements - Linwood Ave	LS	1		
42	Traffic Signal Dectector System - Glenwood	LS	1		
43	Traffic Signal Improvements - Glenwood Ave	LS	1		
44	Landscape (Median Grading)	LS	1		
45	Landscape (Commercial Grade Weed Barrier Fabric)	LS	1		
46	Landscape (Rubber Bark)	LS	1		
47	Landscape Trees (Keith Davey Chinese Pistache)	EA	43		
48	Landscape Irrigation	LS	1		
49	Paint Red Curb	LF	101		
50	Paint Grey Curb	LF	30		
51	Pavement Striping (Detail 9)	LF	6,038		
52	Pavement Striping (Detail 22)	LF	691		
53	Pavement Striping (Detail 25A)	LF	5,553		
54	Pavement Striping (Detail 37B)	LF	133		

55	Pavement Striping (Detail 38)	LF	1,076		
56	Pavement Striping (Detail 39)	LF	369		
57	Pavement Striping (Detail 39A)	LF	205		
58	Pavement Striping (Yellow Crosswalk)	SF	1,400		
59	Pavement Striping (White Crosswalk)	SF	2,922		
60	Pavement Striping (12" White)	LF	420		
62	Pavement Markers (Blue)	EA	25		
63	Median Nose Sign and Striping	EA	8		
64	Relocate Signs (R1-1, Street Name) and Post	EA	3		
65	Roadside Sign (R1-5) and Post	EA	4		
66	Roadside Sign (R4-4) and Post	EA	1		
67	Roadside Sign (R6-1) on Electroliner	EA	3		
68	Roadside Sign (R26 (S)) and Post	EA	1		
69	Roadside Sign (W9-11 and W16-7P)	EA	4		
70	Roadside Sign (W11-2 and W16-9P) and Post	EA	4		
71	Roadside Sign (W73) and Post	EA	1		
72	Roadside Sign (W74) and Post	EA	1		
73	All other items of work not included in other bid items	LS	1		
Subtotal					

Bidder has examined and carefully studied the Bidding documents and other related data identified in the Bidding Documents and the following Addenda, receipt of which is hereby acknowledged.

ADDENDA

No. _____ Date _____ Signed _____

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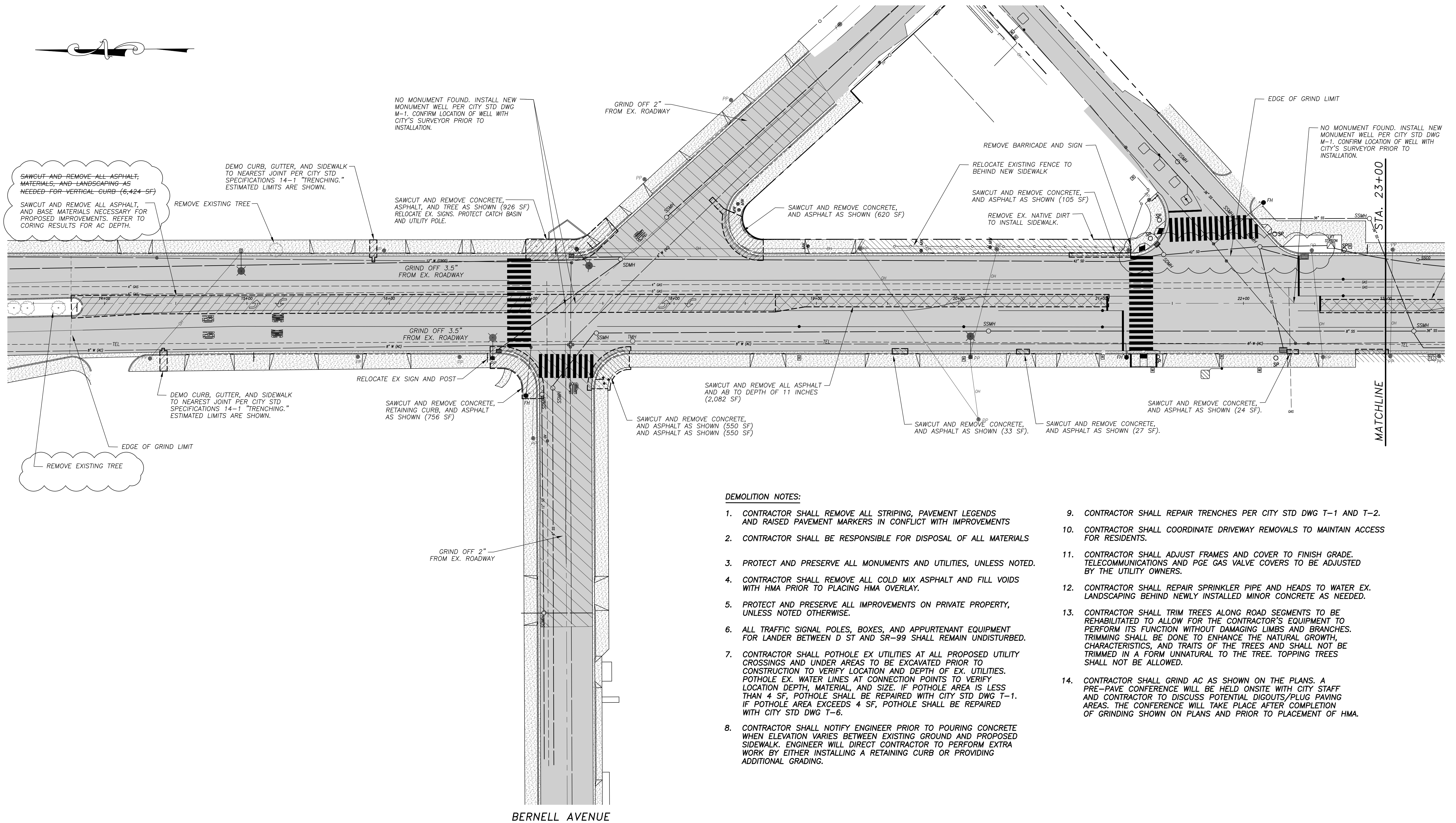
No. _____ Date _____ Signed _____

No. _____ Date _____ Signed _____

TOTAL BID WRITTEN IN FIGURES: \$ __, __ __ __, __ __ __. __ __

TOTAL BID WRITTEN IN WORDS: _____

CONTRACTOR: _____

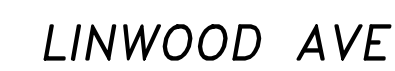


DEMOLITION NOTES:

- CONTRACTOR SHALL REMOVE ALL STRIPING, PAVEMENT LEGENDS AND RAISED PAVEMENT MARKERS IN CONFLICT WITH IMPROVEMENTS
- CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL MATERIALS
- PROTECT AND PRESERVE ALL MONUMENTS AND UTILITIES, UNLESS NOTED.
- CONTRACTOR SHALL REMOVE ALL COLD MIX ASPHALT AND FILL VOIDS WITH HMA PRIOR TO PLACING HMA OVERLAY.
- PROTECT AND PRESERVE ALL IMPROVEMENTS ON PRIVATE PROPERTY, UNLESS NOTED OTHERWISE.
- ALL TRAFFIC SIGNAL POLES, BOXES, AND APPURTENANT EQUIPMENT FOR LANDER BETWEEN D ST AND SR-99 SHALL REMAIN UNDISTURBED.
- CONTRACTOR SHALL POTHOLE EX UTILITIES AT ALL PROPOSED UTILITY CROSSINGS AND UNDER AREAS TO BE EXCAVATED PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND DEPTH OF EX. UTILITIES. POTHOLE EX. WATER LINES AT CONNECTION POINTS TO VERIFY LOCATION DEPTH, MATERIAL, AND SIZE. IF POTHOLE AREA IS LESS THAN 4 SF, POTHOLE SHALL BE REPAIRED WITH CITY STD DWG T-1. IF POTHOLE AREA EXCEEDS 4 SF, POTHOLE SHALL BE REPAIRED WITH CITY STD DWG T-6.
- CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO POURING CONCRETE WHEN ELEVATION VARIES BETWEEN EXISTING GROUND AND PROPOSED SIDEWALK. ENGINEER WILL DIRECT CONTRACTOR TO PERFORM EXTRA WORK BY EITHER INSTALLING A RETAINING CURB OR PROVIDING ADDITIONAL GRADING.
- CONTRACTOR SHALL REPAIR TRENCHES PER CITY STD DWG T-1 AND T-2.
- CONTRACTOR SHALL COORDINATE DRIVEWAY REMOVALS TO MAINTAIN ACCESS FOR RESIDENTS.
- CONTRACTOR SHALL ADJUST FRAMES AND COVER TO FINISH GRADE. TELECOMMUNICATIONS AND PGE GAS VALVE COVERS TO BE ADJUSTED BY THE UTILITY OWNERS.
- CONTRACTOR SHALL REPAIR SPRINKLER PIPE AND HEADS TO WATER EX. LANDSCAPING BEHIND NEWLY INSTALLED MINOR CONCRETE AS NEEDED.
- CONTRACTOR SHALL TRIM TREES ALONG ROAD SEGMENTS TO BE REHABILITATED TO ALLOW FOR THE CONTRACTOR'S EQUIPMENT TO PERFORM ITS FUNCTION WITHOUT DAMAGING LIMBS AND BRANCHES. TRIMMING SHALL BE DONE TO ENHANCE THE NATURAL GROWTH, CHARACTERISTICS, AND TRAITS OF THE TREES AND SHALL NOT BE TRIMMED IN A FORM UNNATURAL TO THE TREE. TOPPING TREES SHALL NOT BE ALLOWED.
- CONTRACTOR SHALL GRIND AC AS SHOWN ON THE PLANS. A PRE-PAVE CONFERENCE WILL BE HELD ONSITE WITH CITY STAFF AND CONTRACTOR TO DISCUSS POTENTIAL DIGOUTS/PLUG PAVING AREAS. THE CONFERENCE WILL TAKE PLACE AFTER COMPLETION OF GRINDING SHOWN ON PLANS AND PRIOR TO PLACEMENT OF HMA.

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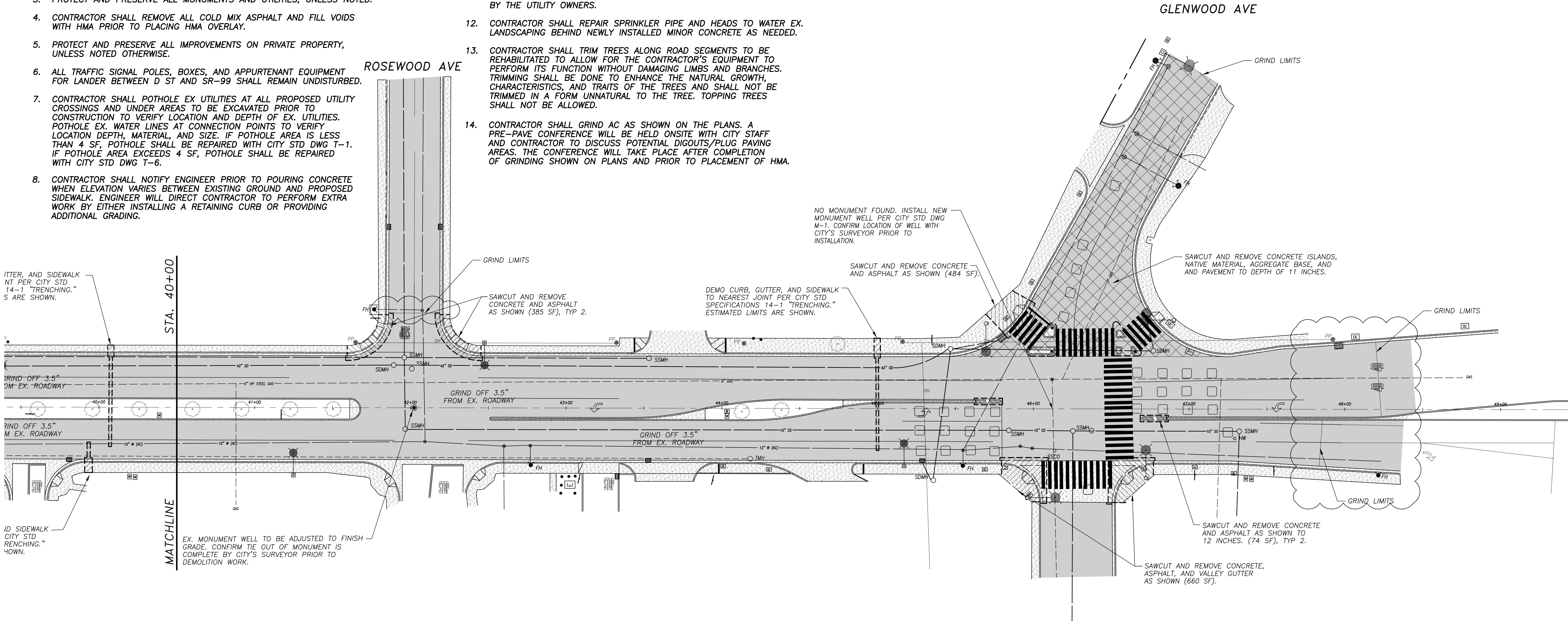
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NOTE:
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STEPHEN FREMMING, P.E.
PRINCIPAL CIVIL ENGINEER

PLANS APPROVAL DATE



CITY OF TURLOCK
DEVELOPMENT SERVICES
ENGINEERING DIVISION

156 S. BROADWAY, STE 150
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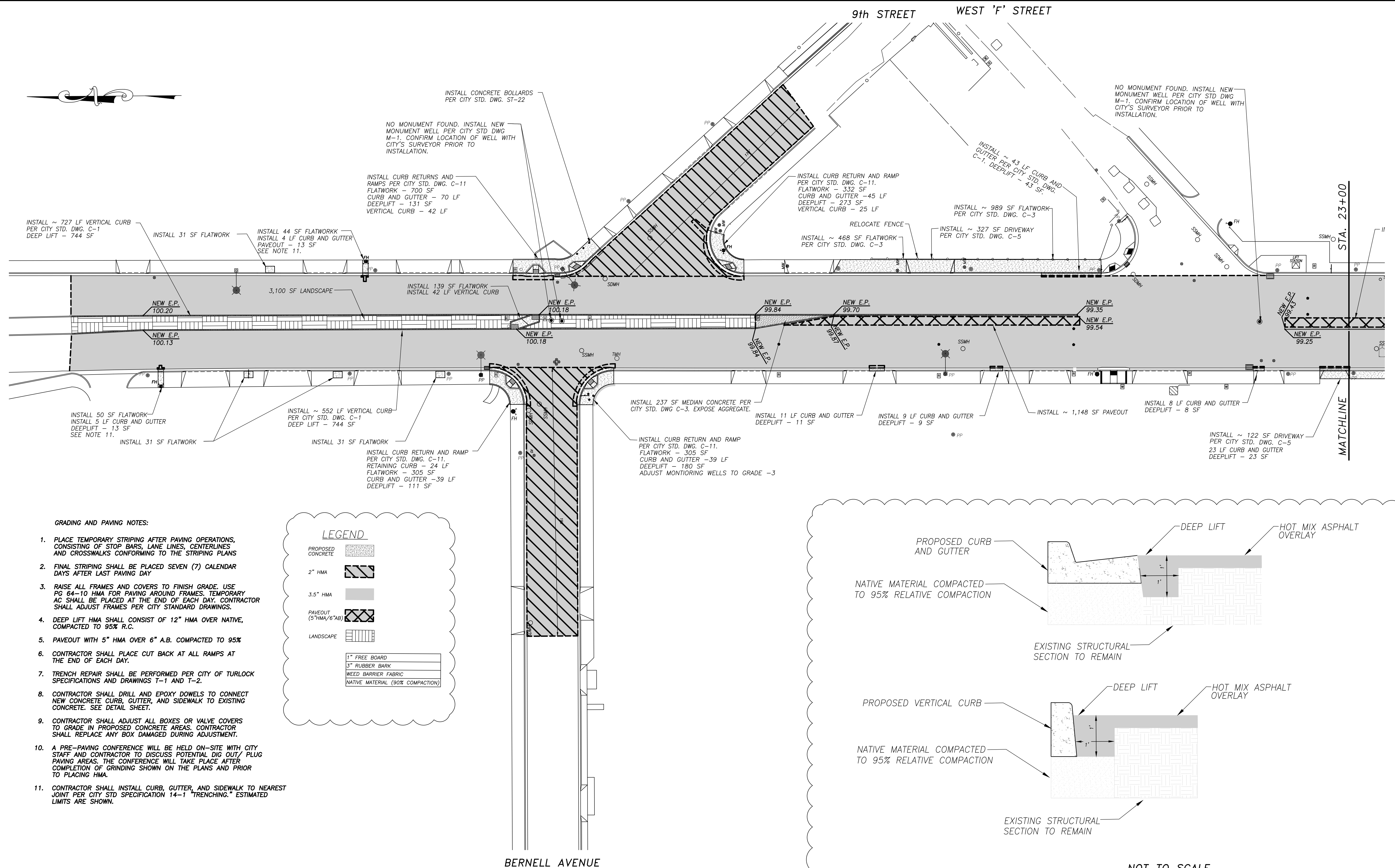
DEMOLITION PLAN
LANDER AVENUE ~ 40+00 TO END
CAPITAL PROJECT NO. 21-018
LANDER AVE REHABILITATION
BETWEEN D ST AND SR-99

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: RJ
REV. BY: --
CH. BY: SF
DATE: APRIL 21, 2022
SCALE: 1" = 30'
21-018 BASE.dwg

SHEET
9
OF 30

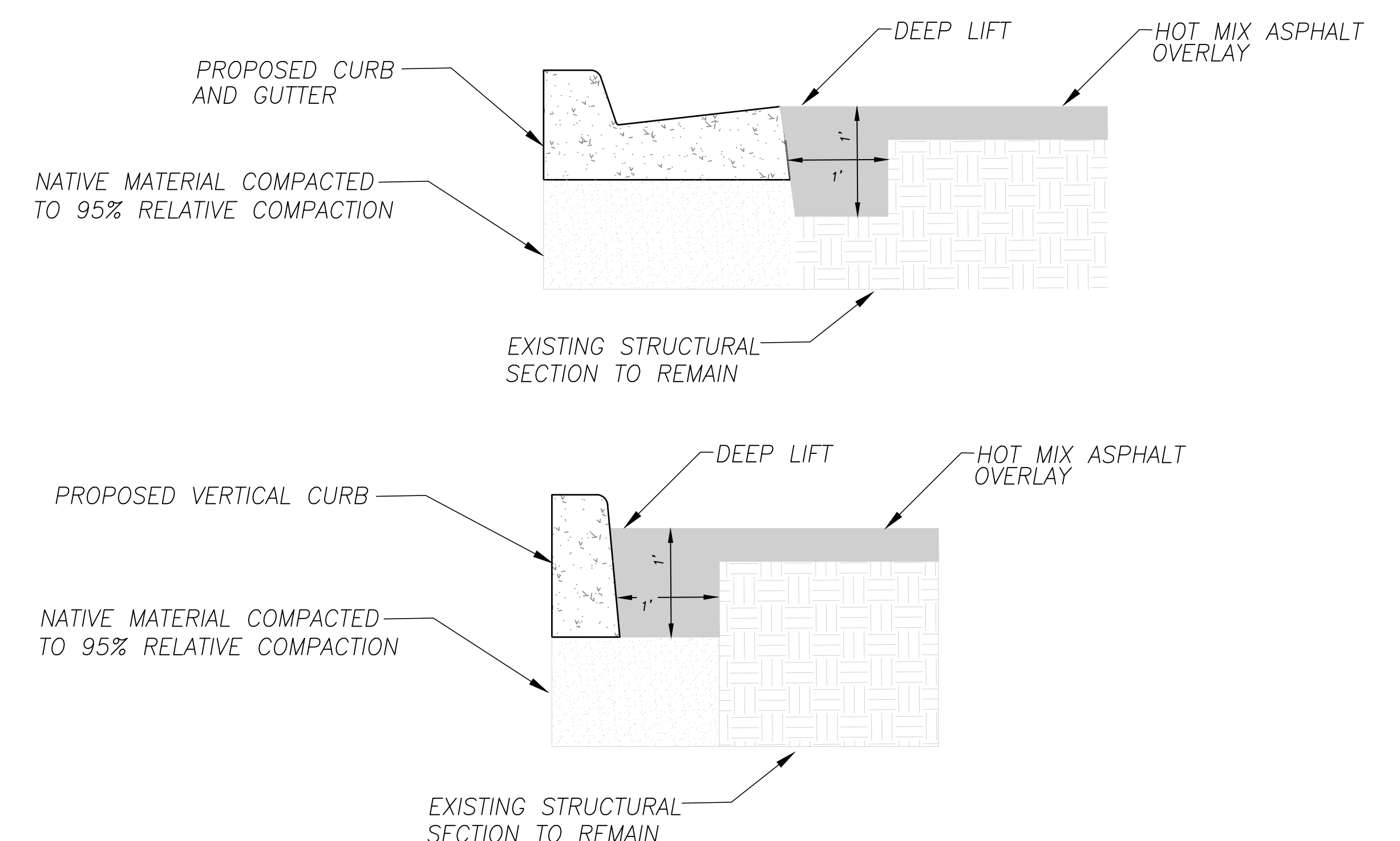


GRADING AND PAVING NOTES:

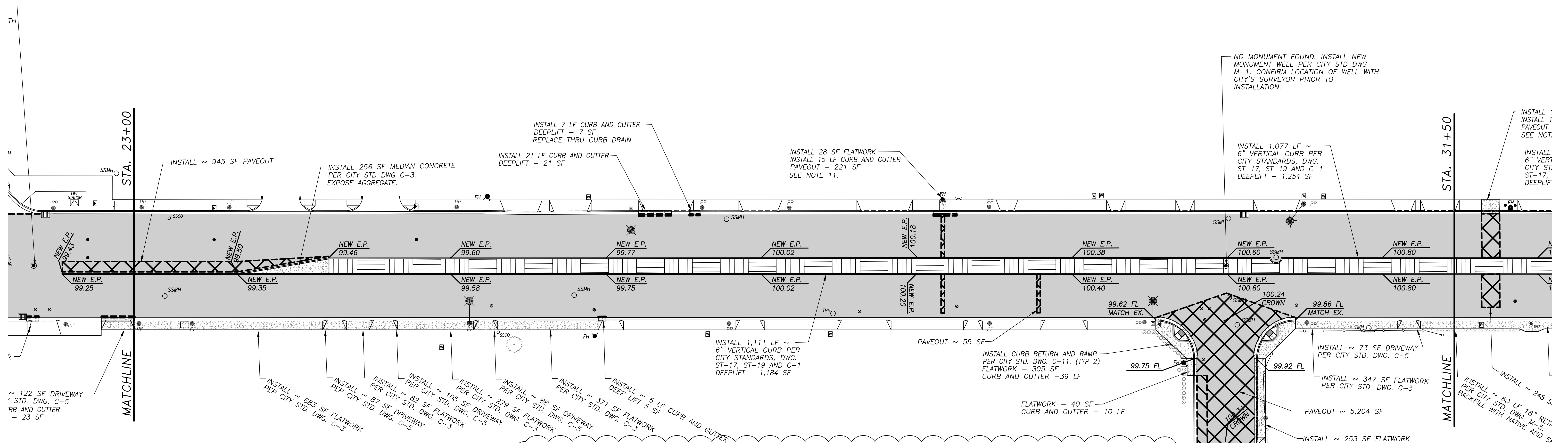
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2. FINAL STRIPING SHALL BE PLACED SEVEN (7) CALENDAR DAYS AFTER LAST PAVING DAY
3. RAISE ALL FRAMES AND COVERS TO FINISH GRADE. USE PG 64-10 HMA FOR PAVING AROUND FRAMES. TEMPORARY AC SHALL BE PLACED AT THE END OF EACH DAY. CONTRACTOR SHALL ADJUST FRAMES PER CITY STANDARD DRAWINGS.
4. DEEP LIFT HMA SHALL CONSIST OF 12" HMA OVER NATIVE, COMPACTED TO 95% R.C.
5. PAVEOUT WITH 5" HMA OVER 6" A.B. COMPACTED TO 95%
6. CONTRACTOR SHALL PLACE CUT BACK AT ALL RAMPS AT THE END OF EACH DAY.
7. TRENCH REPAIR SHALL BE PERFORMED PER CITY OF TURLOCK SPECIFICATIONS AND DRAWINGS T-1 AND T-2.
8. CONTRACTOR SHALL DRILL AND EPOXY DOWELS TO CONNECT NEW CONCRETE CURB, GUTTER, AND SIDEWALK TO EXISTING CONCRETE. SEE DETAIL SHEET.
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11. CONTRACTOR SHALL INSTALL CURB, GUTTER, AND SIDEWALK TO NEAREST JOINT PER CITY STD SPECIFICATION 14-1 "TRENCHING." ESTIMATED LIMITS ARE SHOWN.

LEGEND

PROPOSED CONCRETE	
2" HMA	
3.5" HMA	
PAVEOUT (5" HMA/6" AB)	
LANDSCAPE	
1" FREE BOARD	
3" RUBBER BARK	
WEED BARRIER FABRIC	
NATIVE MATERIAL (90% COMPACTION)	



NOT TO SCALE

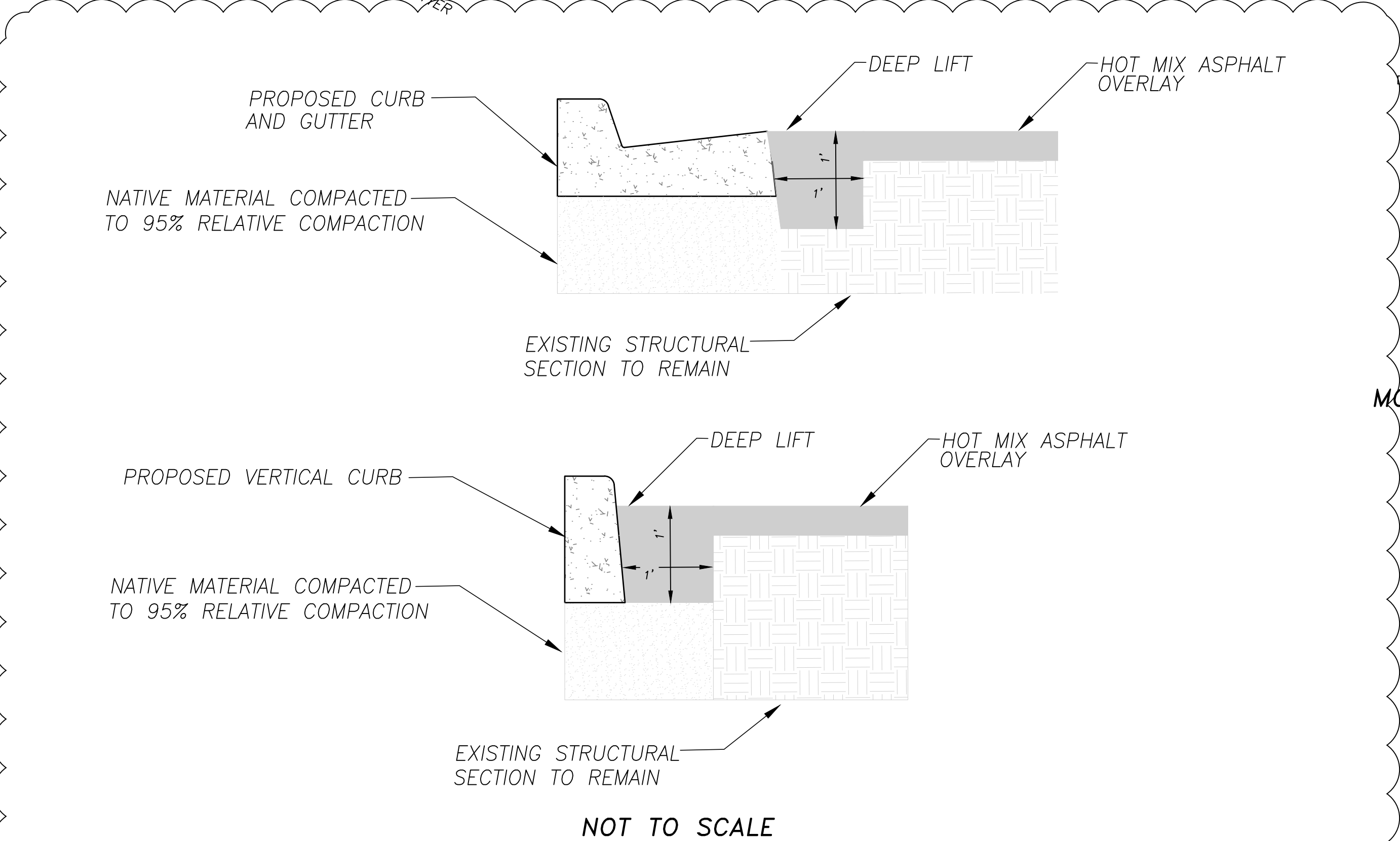


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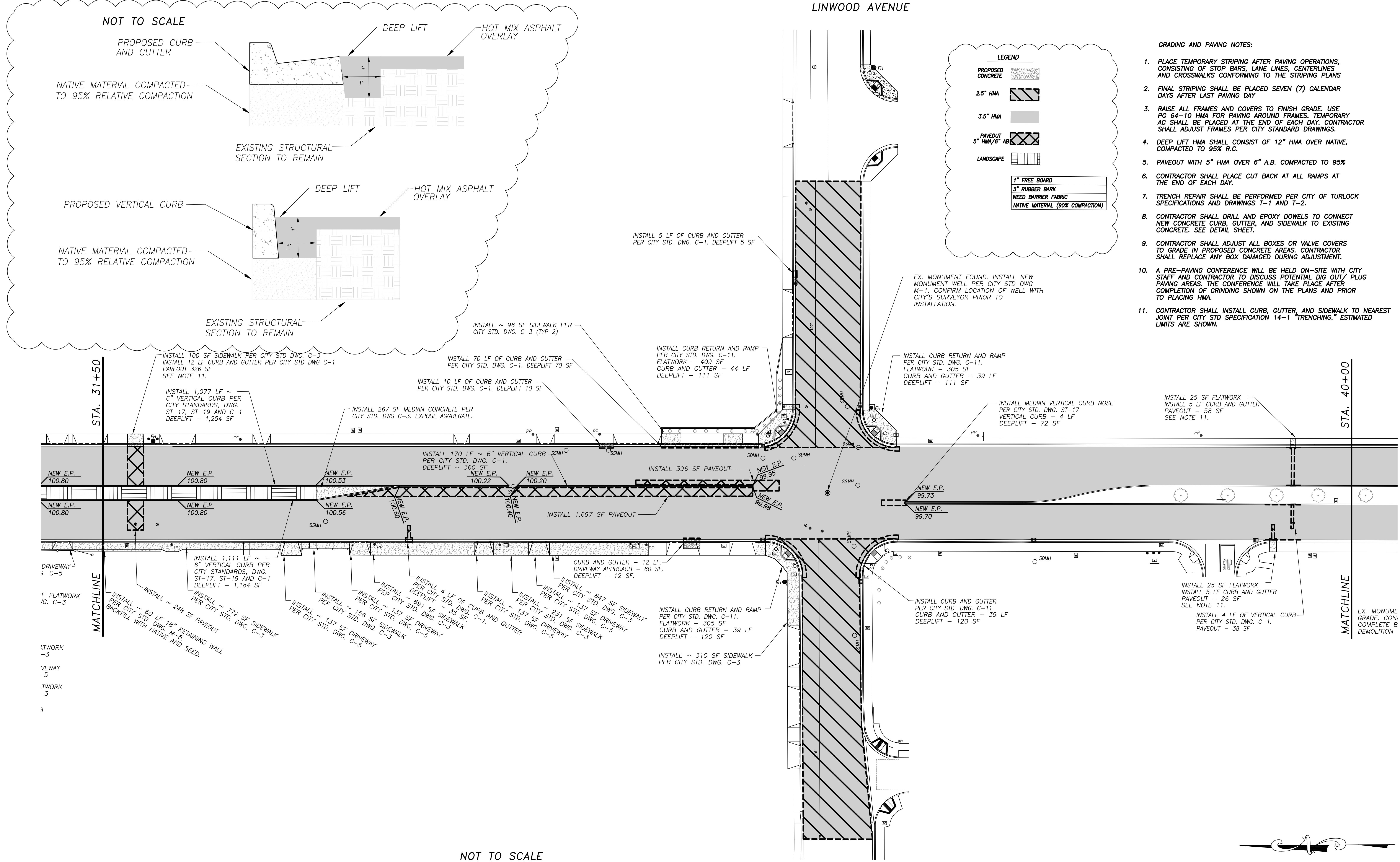
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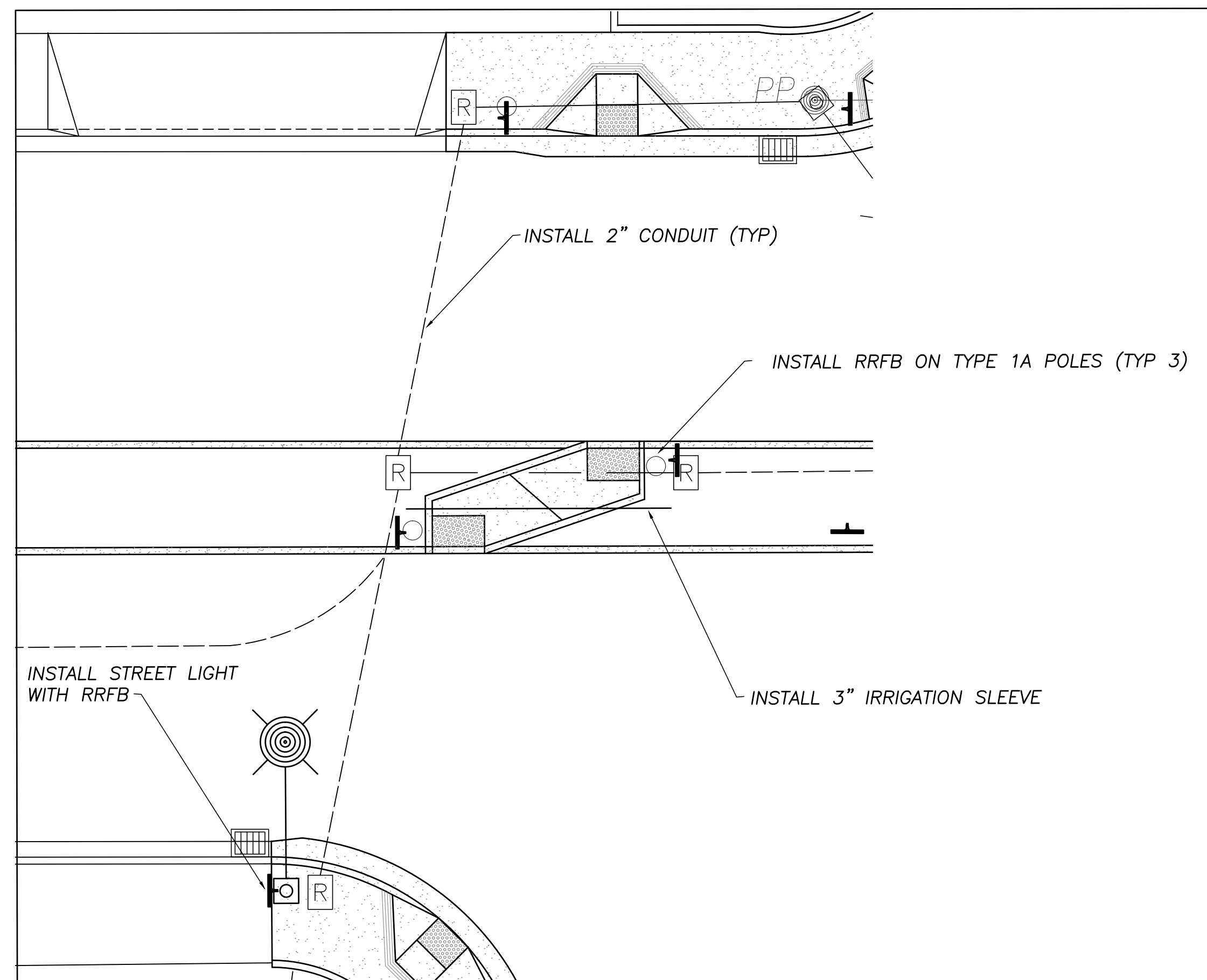
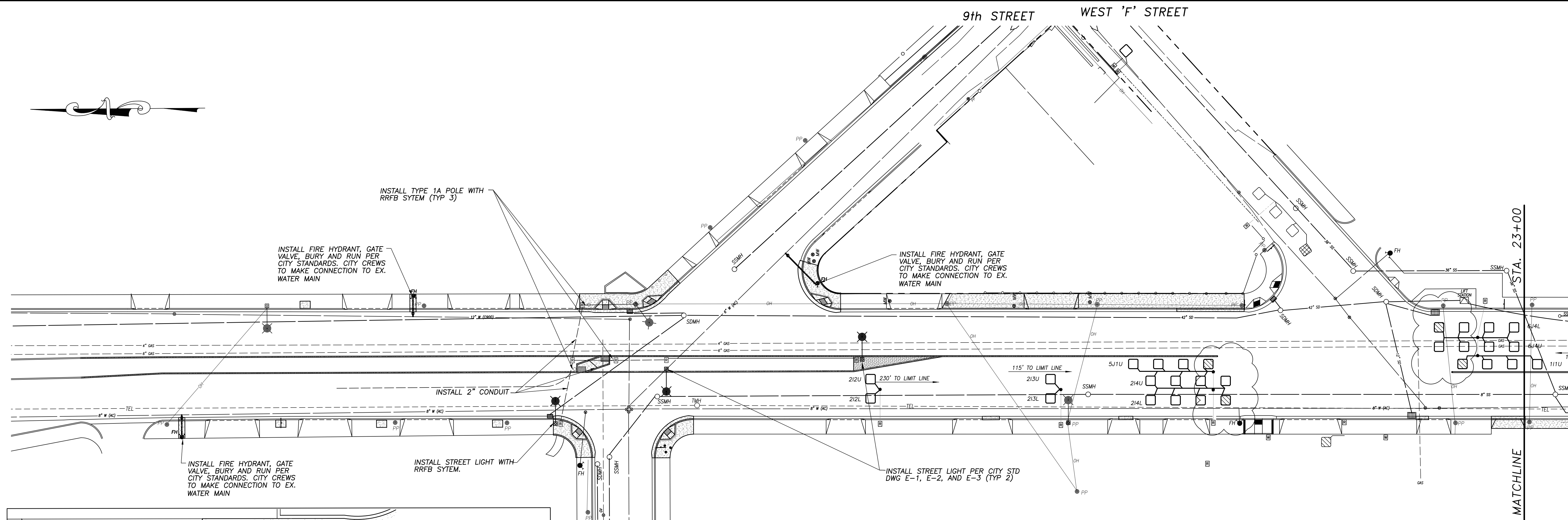
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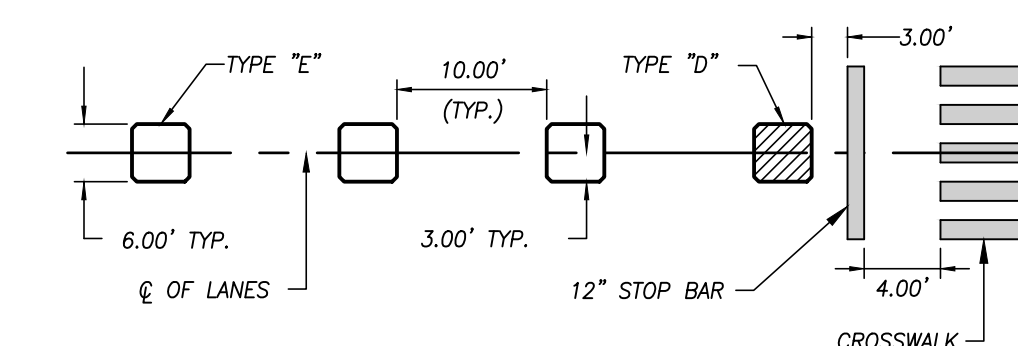
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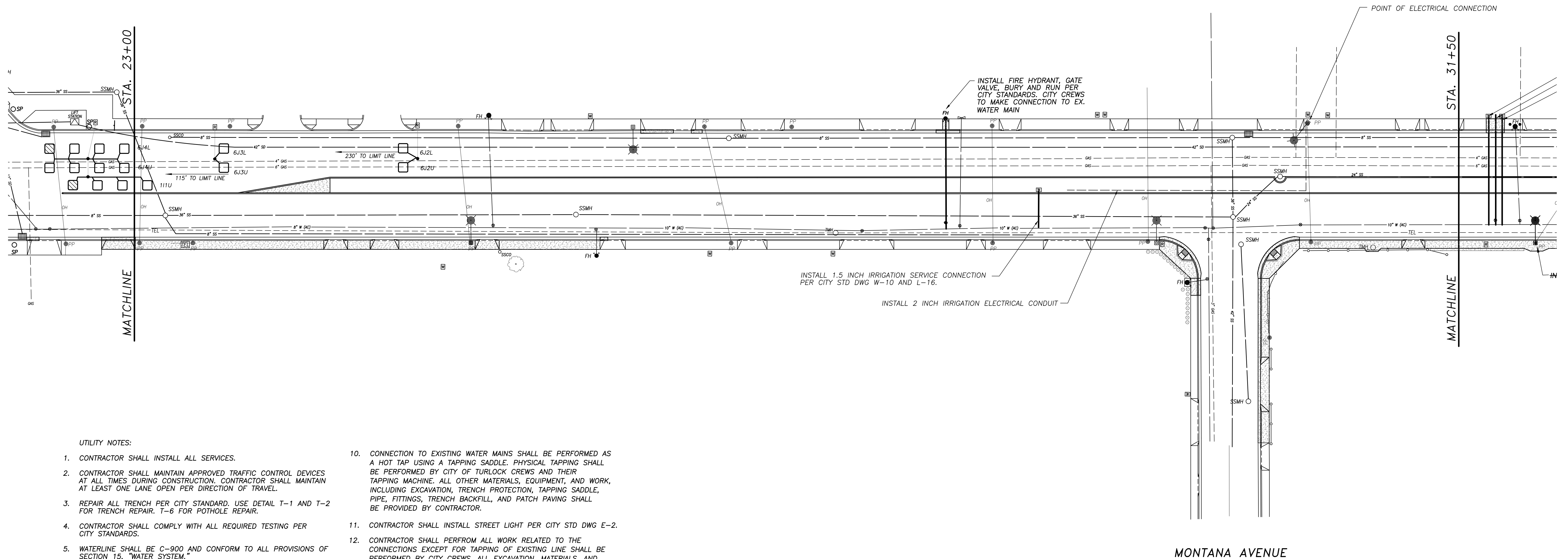
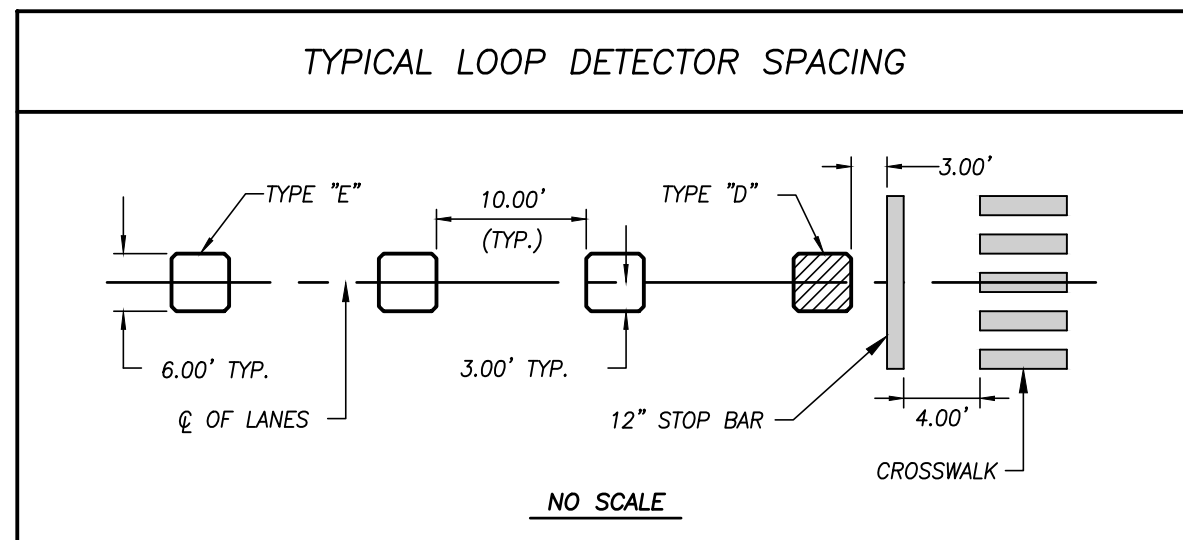
BERNELL AVENUE

UTILITY NOTES:

- CONTRACTOR SHALL INSTALL ALL SERVICES.
- CONTRACTOR SHALL MAINTAIN APPROVED TRAFFIC CONTROL DEVICES AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR SHALL MAINTAIN AT LEAST ONE LANE OPEN PER DIRECTION OF TRAVEL.
- REPAIR ALL TRENCH PER CITY STANDARD. USE DETAIL T-1 AND T-2 FOR TRENCH REPAIR. T-6 FOR POTHOLE REPAIR.
- CONTRACTOR SHALL COMPLY WITH ALL REQUIRED TESTING PER CITY STANDARDS.
- WATERLINE SHALL BE C-900 AND CONFORM TO ALL PROVISIONS OF SECTION 15, "WATER SYSTEM."
- EXISTING SERVICE SHALL NOT BE INTERRUPTED UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
- PROVIDE THRUST BLOCKS PER CITY STANDARD AT EVERY BEND, BURY, TEE, DEAD-END AND CROSSES PER W-4.
- PROVIDE WATER VALVES PER CITY STANDARD W-5.
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- CONNECTION TO EXISTING WATER MAINS SHALL BE PERFORMED AS A HOT TAP USING A TAPPING SADDLE. PHYSICAL TAPPING SHALL BE PERFORMED BY CITY OF TURLOCK CREWS AND THEIR TAPPING MACHINE. ALL OTHER MATERIALS, EQUIPMENT, AND WORK, INCLUDING EXCAVATION, TRENCH PROTECTION, TAPPING SADDLE, PIPE, FITTINGS, TRENCH BACKFILL, AND PATCH PAVING SHALL BE PROVIDED BY CONTRACTOR.
- CONTRACTOR SHALL INSTALL STREET LIGHT PER CITY STD DWG E-2.
- CONTRACTOR SHALL INSTALL RRFB PER MANUFACTURER'S SPECIFICATIONS.
- ELECTRICAL SERVICE FOR RRFB'S AND STREET LIGHTS PROVIDED BY TID FROM EXISTING POWER POLE. CONTRACTOR TO COMPLY WITH TID REQUIREMENTS FOR AN INDIVIDUAL UNDERGROUND ELECTRICAL SERVICE.
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- CONTRACTOR SHALL PROVIDE ALL MATERIALS FOR THE LINWOOD VALVE REPLACEMENTS TEN (10) DAYS PRIOR TO INSTALLATION FOR CITY CREWS TO CLEAN AND DISINFECT.
- CONTRACTOR SHALL ASSUME, FOR BIDDING PURPOSES, THAT EXISTING WATER LINES ARE 3 FEET BELOW FINISHED SURFACE.

TYPICAL LOOP DETECTOR SPACING





MONTANA AVENUE

UTILITY NOTES:

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STEPHEN FREMMING, P.E.
PRINCIPAL CIVIL ENGINEER

PLANS APPROVAL DATE



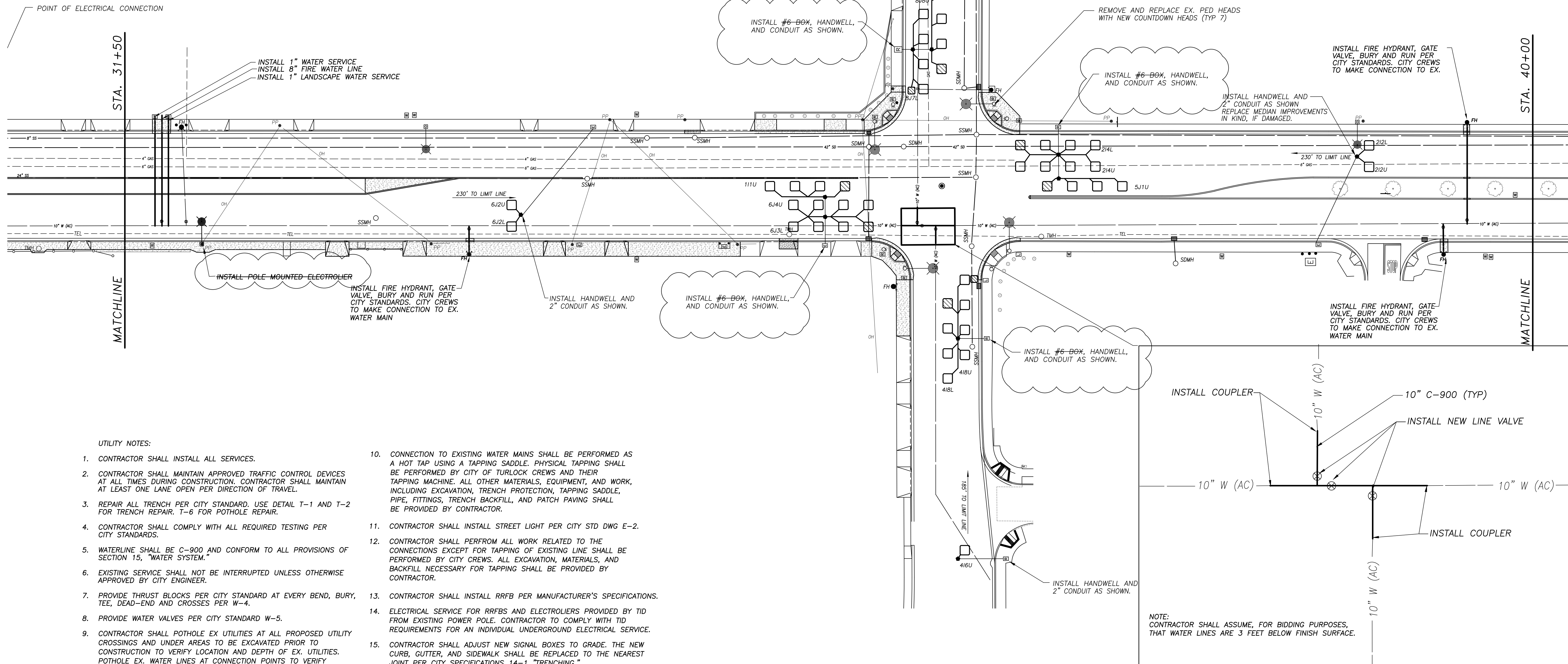
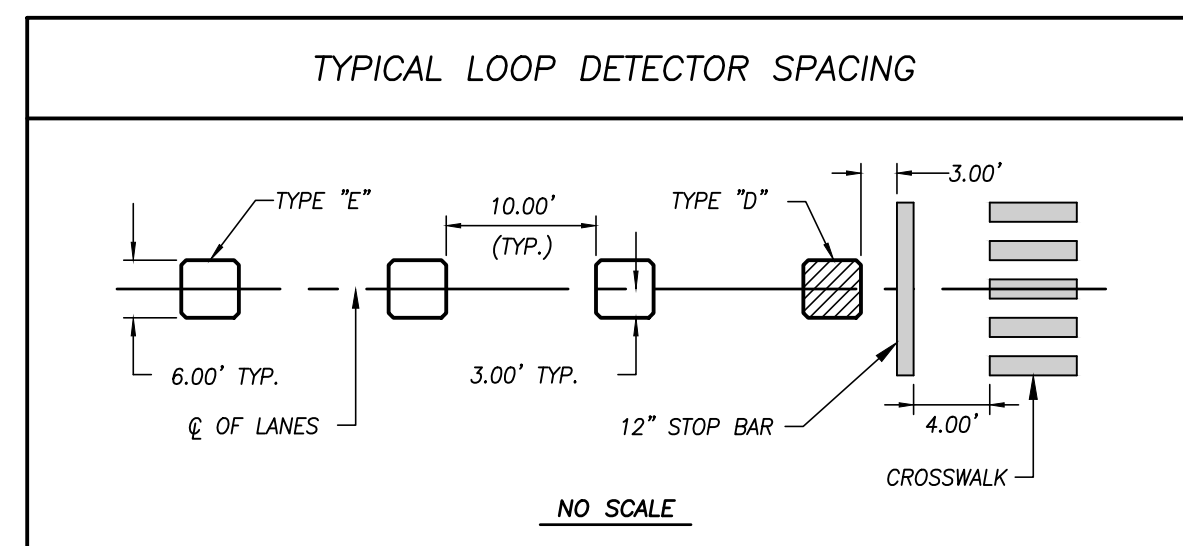
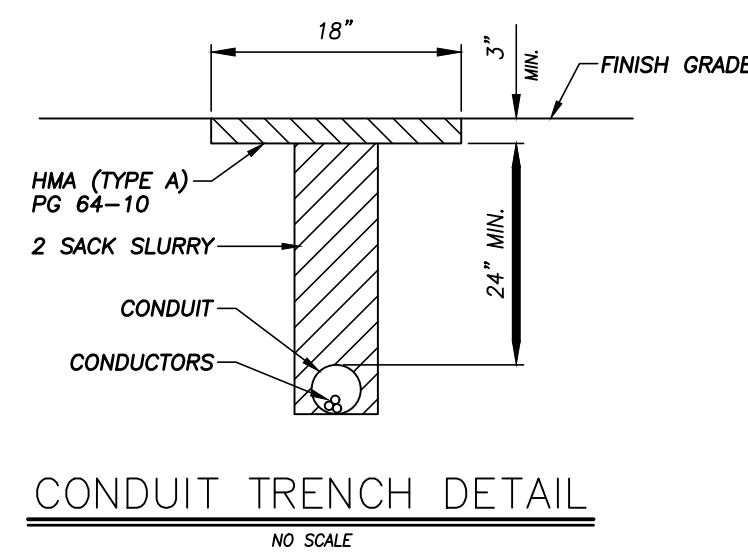
CITY OF TURLOCK
DEVELOPMENT SERVICES
ENGINEERING DIVISION
156 S. BROADWAY, STE 150
(209) 668-5520

UTILITY AND SIGNAL PLAN
LANDER AVENUE ~ STA 23+00 TO STA. 31+50
CAPITAL PROJECT NO. 21-018
LANDER AVE REHABILITATION
BETWEEN D ST AND SR-99

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: RJ
REV. BY: --
CH. BY: SF
DATE: APRIL 21, 2022
SCALE: 1" = 30'
21-018 BASE.dwg

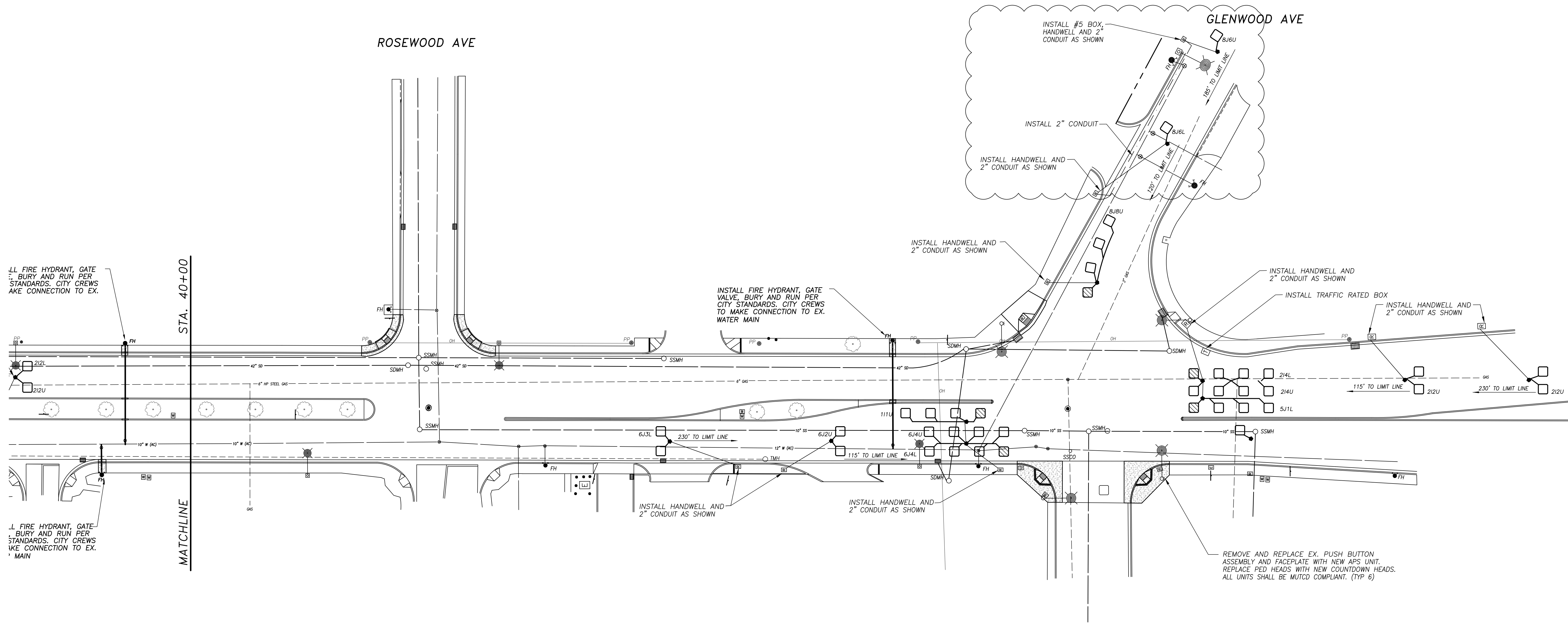
SHEET
16
OF 30



UTILITY NOTES:

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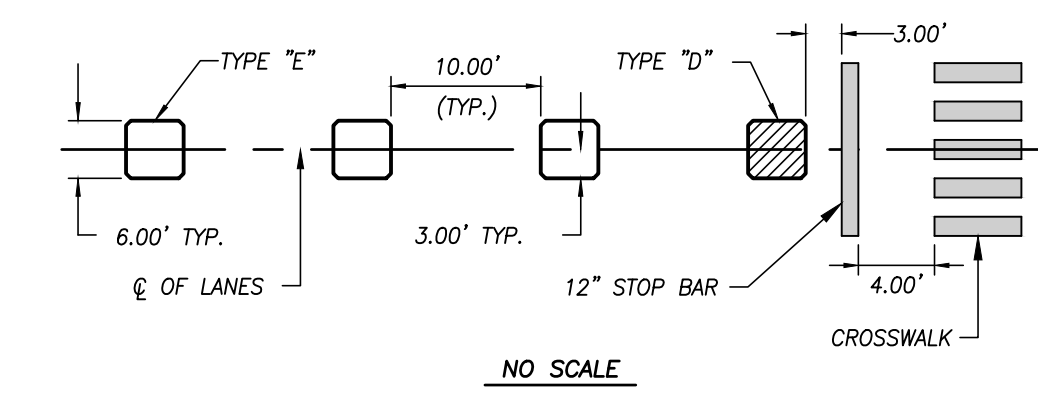
SCALE: 1" : 10FT



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STEPHEN FREMMING, P.E.
PRINCIPAL CIVIL ENGINEER

PLANS APPROVAL DATE



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

UTILITY AND SIGNAL PLAN
LANDER AVENUE ~ 40+00 TO END
CAPITAL PROJECT NO. 21-018
LANDER AVE REHABILITATION
BETWEEN D ST AND SR-99

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: RJ
REV. BY: --
CH. BY: SF
DATE: APRIL 21, 2022
SCALE: 1" = 30'
21-018 BASE.dwg

SHEET
18
OF 30



CONCRETE 

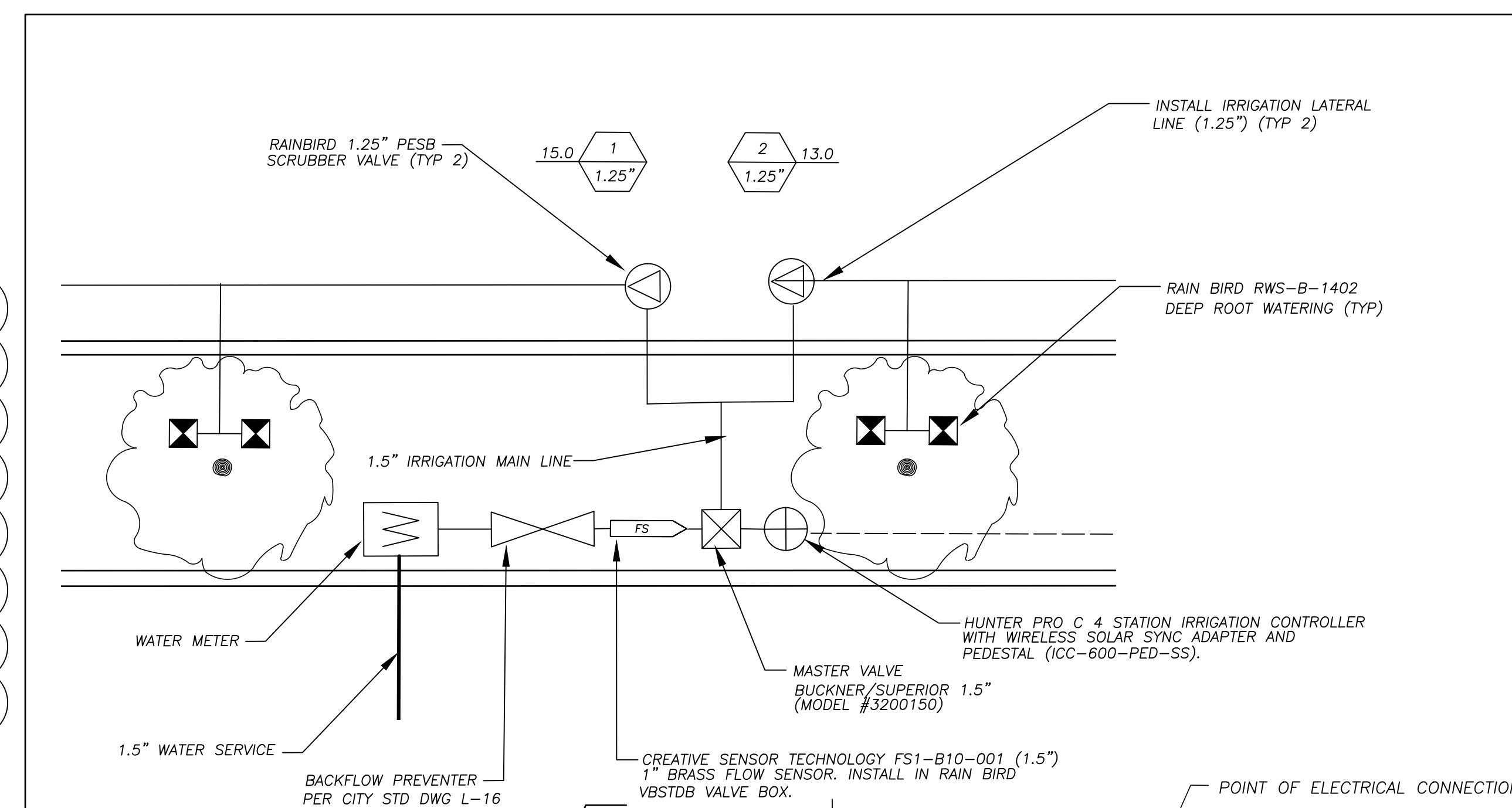
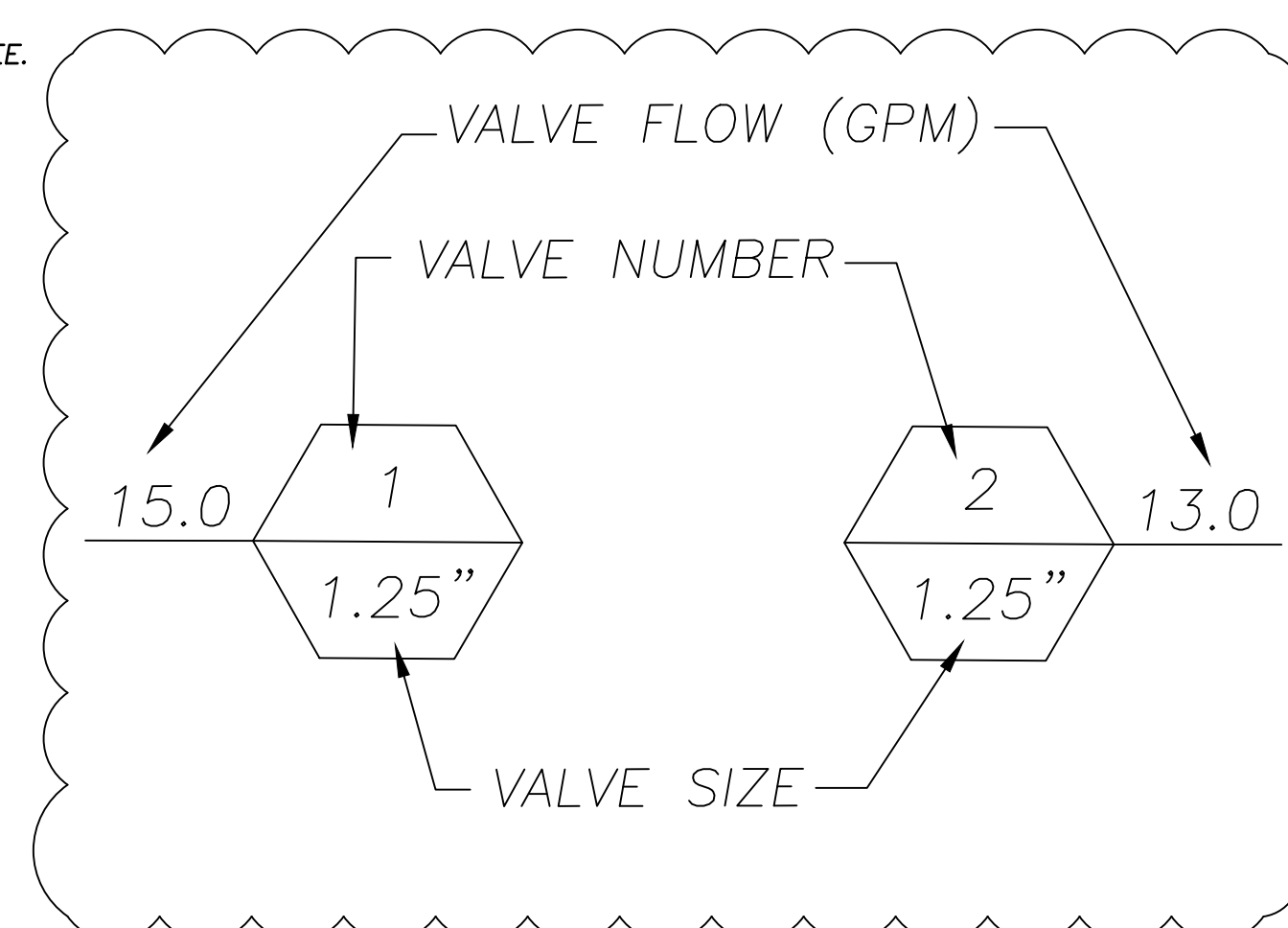
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LANDSCAPE 

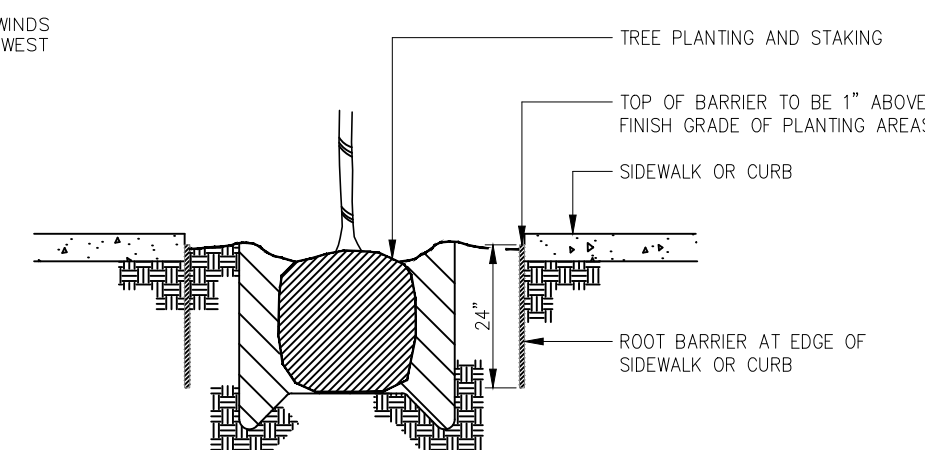
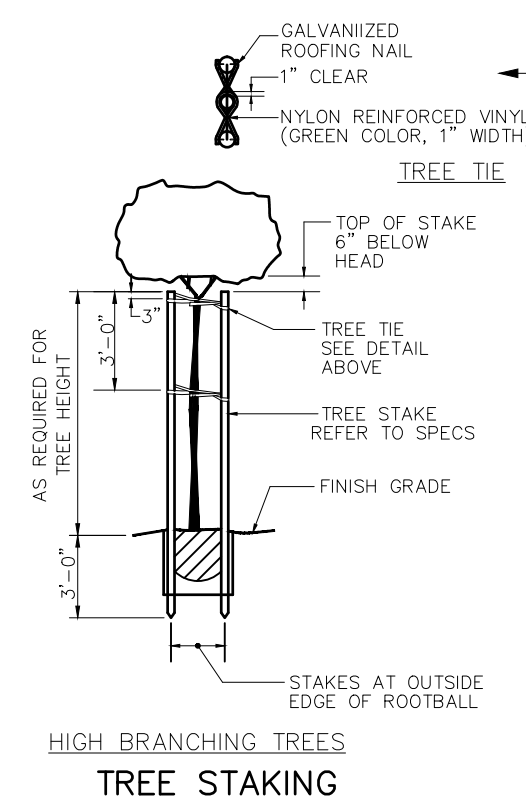
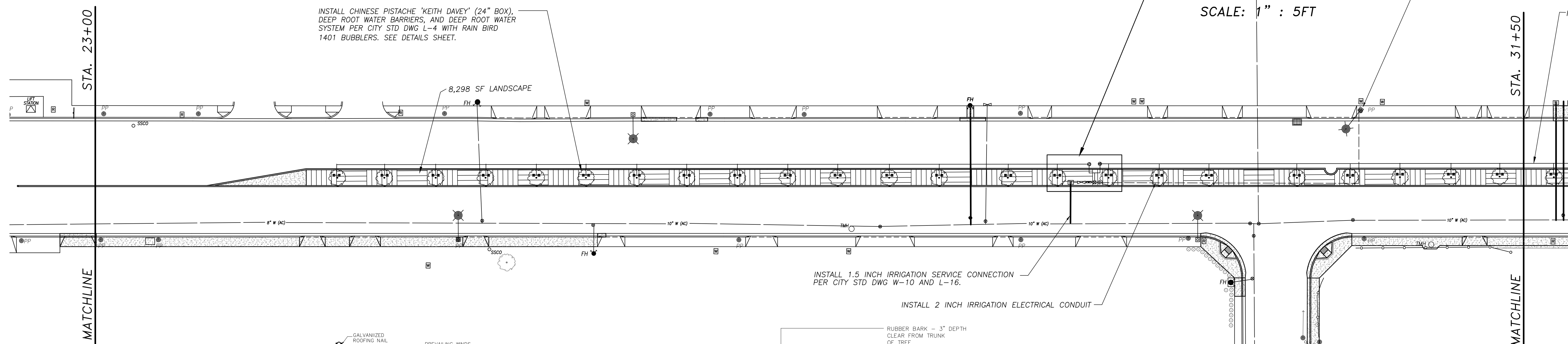
1" FREE BOARD
3" RUBBER BARK
WEED BARRIER FABRIC
NATIVE MATERIAL (90% COMPACTION)

SPECIAL NOTES:

1. CONTRACTOR SHALL INSTALL 3" SLEEVE UNDER CONCRETE IN MEDIAN.
2. RUBBER BARK SHALL BE DARK BROWN.
3. CONTRACTOR SHALL INSTALL DEEP ROOT BARRIER 24 INCHES DEEP ADJACENT TO VERTICAL CURB A DISTANCE OF 10 FEET CENTERED ON TREE.
4. CONTRACTOR SHALL INSTALL TWO DEEP ROOT BARRIER SYSTEMS PER TREE PER CITY STD DWG L-4 WITH RAIN BIRD RWS-8-1402.
5. CONTRACTOR SHALL SCHEDULE A WALK THROUGH WITH THE CITY FOR 90-DAY LANDSCAPE WARRANTY BEGINNING WHEN THE CONTRACTOR IS RESPONSIBLE FOR ALL MAINTENANCE DURING 90-DAY WARRANTY INCLUDING WEEDS, IRRIGATION, AND TREES.
6. CONTRACTOR SHALL PREPARE MEDIAN FOR RUBBER BARK BY REMOVING ALL WEEDS AND DEBRIS PRIOR TO APPLYING PRE-EMERGENT AND FABRIC.
7. CONTRACTOR SHALL INSTALL HUNTER PRO-C CONTROLLER WITH WIRELESS SOLAR SYNC AND ICC-600-PED-SS CABINET.
8. IRRIGATION LINES SHOWN OUTSIDE OF LANDSCAPE AREAS FOR GRAPHICAL CLARITY.

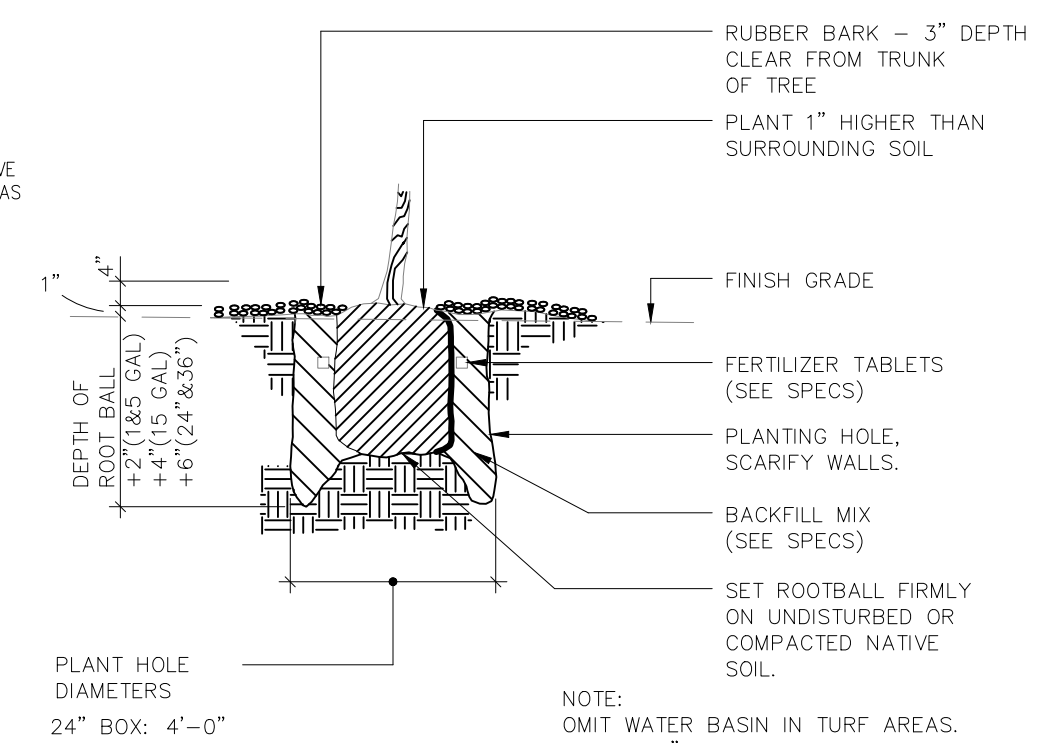


SCALE: 1" : 5FT



NOTES:

1. ROOT CONTROL BARRIER PANELS SHALL BE INSTALLED AT ALL TREES WITHIN 8' OF PAVEMENT, CURBS, WALLS OR FOUNDATIONS.
2. DEEP ROOT, UNIVERSAL BARRIER UB24-2 OR EQUAL MAY BE USED. INSTALL PER MANUFACTURERS SPECIFICATIONS.
3. LENGTH OF BARRIER = 10' CENTERED ON TREE



NOTE:
OMIT WATER BASIN IN TURF AREAS.
CLEAR 36" DIA. TURF AROUND TREE TRUNK

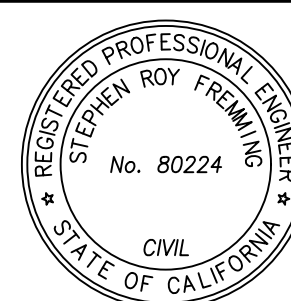
MONTANA AVENUE



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LANDSCAPE PLAN

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