



ANN STREET IMPROVEMENTS

This is a detailed street map of Huron, Michigan, and its immediate surroundings. The map is oriented with North at the top. The city of Huron is shaded in gray, with the Huron River flowing through its northern and eastern parts. Major roads are shown with thicker lines and route markers: Michigan 14 runs north-south through the center, Michigan 23 runs east-west to the north, and Michigan 94 runs east-west to the south. Other roads include State, Wagner, Miller, Dexter, Jackson, Maple, and Ann Arbor Line. Surrounding towns and areas are labeled, including Ann Arbor to the northeast, Duro to the east, and various other localities like Sunburst, Pontiac, and Green. The map also shows the Huron River, several bridges, and a network of smaller streets connecting the major thoroughfares.

STATE OF MICHIGAN
★
CHRISTOPHER
JAY ELENBAAS
ENGINEER
No.
6201056730
★
LICENSED PROFESSIONAL ENGINEER

DATE _____

A circular professional engineer seal for the State of Michigan. The outer ring contains the text "STATE OF MICHIGAN" at the top and "LICENSED PROFESSIONAL ENGINEER" at the bottom, separated by two stars. The inner circle contains the text "TRACY CRANE", "ANDERSON", "ENGINEER", "No.", and "6201065162".

/ / 2025
DATE

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

**CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org**

		BID SET	DESCRIPTION
00			REV.

[illegible]

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH CONSTRUCTION AREA WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. WHEN THIS WILL BE ROUTINELY NOTICED, THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 2025 CITY OF ANN ARBOR PUBLIC SERVICES AREA DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS ("STANDARDS"). THE OMISSION OF ANY STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO CONSTRUCT ITEMS IN COMPLETE ACCORDANCE WITH THOSE STANDARDS.



5	DRAWING No. 2022-025-1	ROAD WORK ON ANN ST FROM FIRST STREET
© ANN STREET IMPROVEMENTS; BID No. 26-03; 2022-025		

EXISTING LEGEND

EX = EXISTING		
FIRE HYDRANT	W	WATER MAIN
GATE VALVE IN BOX	WATER MAIN ABANDONED	
GATE VALVE IN WELL	S	STORM SEWER
STOP BOX	STORM SEWER ABANDONED	
WATER VAULT	SANITARY SEWER	
WELL	SANITARY SEWER ABANDONED	
CATCH BASIN (SQ)	GAS MAIN	GAS MAIN
CATCH BASIN (RD)	GAS MAIN (DEAD)	
STORM MANHOLE	ELECTRICAL OVER HEAD	
NON-CURB CATCH BASIN (SQ)	ELECTRICAL UNDER GROUND	
END SECTION	e duct bank	ELECTRICAL DUCT BANK
SANITARY MANHOLE	oht	TELEPHONE OVER HEAD
CLEAN-OUT	t	TELEPHONE UNDER GROUND
POST	t duct bank	TELEPHONE DUCT BANK
PEDESTRIAN SIGNAL	ohtv	CABLE TV OVER HEAD
SIGN	tv	CABLE TV UNDER GROUND
HAND HOLE	fo	FIBER OPTIC
ORNAMENTAL LIGHT	fo duct bank	FIBER OPTIC DUCT BANK
FLOOD LIGHT		
UNKNOWN MANHOLE		
TELEPHONE MANHOLE		BOUNDARY
TELEPHONE RISER		BUILDING
GAS VALVE		CENTERLINE OF DITCH
GAS VENT		CENTERLINE/CROWN OF ROAD
GAS BOX	800	CONTOUR MAJOR
ELECTRICAL RISER	799	CONTOUR MINOR
TRANSFORMER		EDGE OF WATER
UTILITY POLE		FLOODPLAIN
LAMP POLE		FENCE
GUY ANCHOR		GRAVEL
GUY POLE		GUARDRAIL
MONITORING WELL		STONE WALL
MAILBOX		R.O.W.
SOIL BORING		TREELINE
TRAVERSE POINT		WETLAND
BENCH MARK		EDGE OF BRUSH
IRON PIPE		HEDGE
MON BOX		



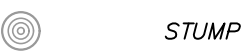
TREE (DECIDUOUS)



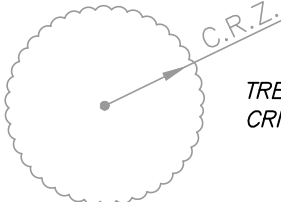
TREE (CONIFEROUS)



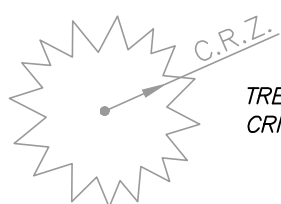
SHRUB (DECIDUOUS)



STUMP



TREE TO REMAIN & PROTECT (DECIDUOUS)
CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREAST HEIGHT (INCHES) X 10



TREE TO REMAIN & PROTECT (CONIFEROUS)
CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREAST HEIGHT (INCHES) X 10

PROPOSED LEGEND

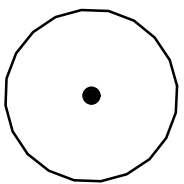
PROP = PROPOSED		
HYDRANT (PLAN)	W	WATER MAIN
WATER GATE WELL	R	STORM SEWER
REDUCER	S	SANITARY SEWER
WATER GATE VALVE	FO	FIBER OPTIC
WATER STOP BOX	E	ELECTRICAL
WATER VAULT		CENTERLINE OF DITCH
INLET		CENTERLINE OF ROAD
DOUBLE INLET		FENCE
INLET JUNCTION CHAMBER		GRAVEL
ROUND CATCH BASIN		SILT FENCE
STORM MANHOLE		PROTECTIVE FENCE
DRAIN ARROW		GUARDRAIL
FLARED END SECTION		LOT/UNIT
SANITARY MANHOLE		CURB
CLEAN-OUT		TEMPORARY GRADING PERMIT
BARREL	800	CONTOUR MAJOR
SIGN	799	CONTOUR MINOR
PUSH BUTTON		WATER EASMENT
HAND HOLE		STORM EASEMENT
		SANITARY EASEMENT
		R.O.W.
		LIMITS OF CONSTRUCTION
		LIMIT OF GRADING
		STONE WALL

DETECTABLE WARNING

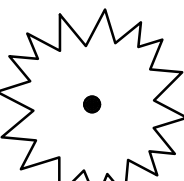
ASPHALT

CONCRETE

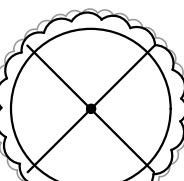
SIDEWALK



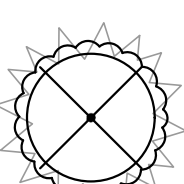
TREE (DECIDUOUS)



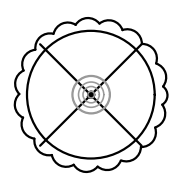
TREE (CONIFEROUS)



TREE TO BE REMOVED (DECIDUOUS)



TREE TO BE REMOVED (CONIFEROUS)



STUMP TO BE REMOVED



Know what's below.
Call before you dig.

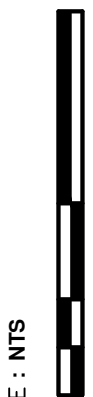
CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106
P.O. BOX 8647
734-794-4410
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

ANN STREET IMPROVEMENTS

LEGEND



SCALE : NTS

DRAWING No.
2022-025-2

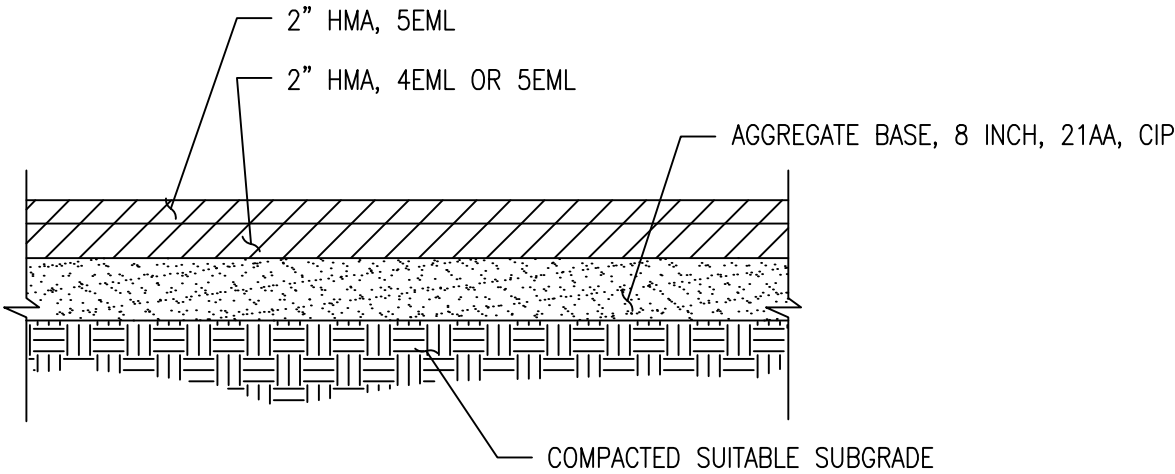
SHEET No.

2 OF 65

P:\0000_0100\0028220080_Ann_St-Washtenaw_Ave_WM_Designs\Drawings\Civil\Wisc\220080LEC.dwg i _a2 standard bw.stb -- Plot Date: 12/16/2025 9:43:32 PM

CONSTRUCTION NOTES:

1. DRIVEWAYS AND ENTRANCES TO BUILDINGS, REAL PROPERTY, AND THE LIKE SHALL NOT BE BLOCKED EXCEPT FOR SHORT DURATIONS AND ONLY WHEN APPROVED BY THE ENGINEER. VEHICULAR AND PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL NECESSARY DRIVEWAY CLOSURES WITH THE PROPERTY OWNER(S) AND RESIDENT(S) IN THE AREAS OF CONSTRUCTION.
2. THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND SERVICE LEADS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
3. LOCATION AND DEPTH OF UTILITIES AS DEPICTED ON THE PLANS IS APPROXIMATE AND SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXCAVATE AHEAD AND ADJUST DEPTH OF CONFLICT UTILITIES ACCORDINGLY. ANY DAMAGE TO UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY TO AVOID AND/OR REPAIR AS NECESSARY.
4. THE CONTRACTOR IS TO TAKE SPECIAL CARE TO PROTECT THE EXISTING WATER MAIN AND BE RESPONSIBLE FOR MAINTAINING CONSISTENT WATER SERVICE.
5. DURING NON-WORKING HOURS NO TRENCH SHALL REMAIN OPEN; ANY OPEN TRENCH SHALL BE PROPERLY SECURED WITH PROTECTIVE FENCING. THIS WORK SHALL BE INCLUDED IN THE ITEM OF WORK "GENERAL CONDITIONS".
6. TRENCHES FOR NEW WATER SERVICES SHALL BE EXCAVATED TO MIDSHA AND CITY OF ANN ARBOR PUBLIC WORKS REQUIREMENTS.
7. CITY OF ANN ARBOR PUBLIC WORKS WILL INSTALL THE CORPORATION AND COPPER SERVICE LEAD(S) TO TRANSFER THE CONNECTION(S). IF AN EXISTING WATER SERVICE IS FOUND TO BE FAILING OR IS NOT COPPER, THE LEAD WILL BE REPLACED TO THE CURB BOX BY PUBLIC WORKS.
8. FOR THE INSTALLATION OF CORPORATIONS, OR ANY OTHER RELATED ACTIVITIES, THE CONTRACTOR SHALL NOT RECEIVE ADDITIONAL COMPENSATION FOR DELAYS DUE TO THE SCHEDULING OF OR COORDINATION WITH THE CITY OF ANN ARBOR PUBLIC WORKS.
9. THE CONTRACTOR SHALL BACKFILL TRENCHES IN ACCORDANCE WITH TRENCH DETAIL SPECIFIED ON PLANS. THIS WORK SHALL BE INCLUDED IN THE ITEM OF WORK "EXCAVATE AND BACKFILL FOR WATER SERVICE TAP AND LEAD". ALL CONCRETE REMOVALS AND REPLACEMENTS REQUIRED FOR THIS WORK WILL BE PAID FOR SEPARATELY.
10. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE POLYETHYLENE WRAPPED PER ANSI/AWWA C105/A21.5.
11. COR-BLU BOLTS TO BE USED AT ALL MECHANICAL WATER MAIN JOINTS AT HYDRANTS AND MEGALUG FITTINGS
12. THE CONTRACTOR SHALL CONSTRUCT, FLUSH, AND BACTERIOLOGICALLY TEST THE WATER MAIN PER DETAILED SPECIFICATION "WATER MAIN INSTALLATION AND TESTING" AND AS APPROVED BY THE ENGINEER. ALL CHLORINATED WATER SHALL BE DISCHARGED DIRECTLY INTO AN APPROVED SANITARY SEWER. THE CONTRACTOR SHALL SUPPLY ALL NECESSARY HOSES, FITTINGS AND THE LIKE TO ACCOMPLISH THIS WORK.
13. WATER MAIN FITTINGS, OTHER THAN THOSE SPECIFICALLY LISTED AS SEPARATE PAY ITEMS, WHICH ARE REQUIRED TO COMPLETE THE WORK SUCH AS BLOW-OFF ASSEMBLIES, CONCRETE THRUST BLOCKS, SOLID SLEEVES AND MECHANICAL PLUGS, SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE PIPE PAY ITEMS.
14. "NO PARKING" SIGNS SHALL BE INSTALLED BY THE CONTRACTOR AT LOCATIONS AS APPROVED OR DIRECTED BY THE ENGINEER. ALL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILED SPECIFICATIONS.
15. POSTAL DELIVERY AND REFUSE PICKUP SERVICE SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
16. ALL FITTINGS, HYDRANTS, VALVES AND CASTINGS REMOVED DURING CONSTRUCTION ARE THE PROPERTY OF THE CITY OF ANN ARBOR. THE CONTRACTOR WITHIN 48 HOURS SHALL DELIVER TO CITY OF ANN ARBOR PUBLIC WORKS FACILITY AT THE W.R. WHEELER SERVICE CENTER LOCATED AT 4251 STONE SCHOOL ROAD.
17. WHERE STREET CURBS ARE UNDERMINED DUE TO CONSTRUCTION ACTIVITIES, THEY SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUOUS MAINTENANCE OF THE TEMPORARY ROAD SURFACE AND SOIL EROSION CONTROL MEASURES WITHIN THE CONSTRUCTION AREA UNTIL THE FULL COMPLETION OF THE PROJECT. THIS WORK SHALL BE INCLUDED IN THE ITEM OF WORK "GENERAL CONDITIONS".
19. ALL CURB, SIDEWALK, DRIVEWAY APPROACH REMOVALS SHALL BE APPROVED BY ENGINEER BEFORE THE WORK IS DONE.
20. SAWED SEWER PIPE CONNECTIONS SHALL BE COUPLED WITH A FERNCO FLEXIBLE COUPLING AND A STAINLESS STEEL SHEAR RING.
21. THE LOCATION OF MATERIAL STOCK PILES AND ON-SITE STAGING AREAS TO BE APPROVED BY THE ENGINEER.



HMA DRIVEWAY CROSS SECTION
NTS

22. FOR MAINLINE PAVING, THE WIDTH OF THE MAT FOR EACH PASS OF THE PAVER SHALL BE NOT LESS THAN 10.5' OR GREATER THAN 15' AS DIRECTED BY THE ENGINEER. THE ENGINEER WILL DIRECT THE LAYOUT OF THE LONGITUDINAL JOINTS DURING CONSTRUCTION.
23. ALL STRUCTURES SHALL RECEIVE NEW CASTINGS AS DIRECTED BY THE ENGINEER, AS SPECIFIED ON THE STANDARD CASTING SCHEDULE. THE EXISTING CASTINGS ARE THE PROPERTY OF THE CITY OF ANN ARBOR. THE CONTRACTOR SHALL DELIVER TO CITY OF ANN ARBOR PUBLIC WORKS FACILITY AT THE W.R. WHEELER SERVICE CENTER LOCATED AT 4251 STONE SCHOOL ROAD.
24. PAYMENT FOR DRAINAGE STRUCTURE SUMPS, WHERE SPECIFIED, SHALL BE INCLUDED IN THE PAYMENT FOR THE VARIOUS DRAINAGE STRUCTURE SIZES AND OR TYPES.
25. WHERE SEWER PIPES OF DIFFERENT SIZES OR MATERIALS ARE JOINED, FERNCO FLEXIBLE COUPLINGS WITH STAINLESS STEEL SHEAR RINGS SHALL BE USED. THE CONTRACTOR'S PURCHASE PRICE FOR THESE DEVICES, INCLUDING SHIPPING, SHALL BE PAID AS AN EXTRA. PRIOR TO PAYMENT FOR THIS ITEM, THE CONTRACTOR SHALL SUBMIT RECEIPTS FOR THE ENGINEER'S REVIEW AND APPROVAL. ALL OTHER COSTS ASSOCIATED WITH THE INSTALLATION OF THESE DEVICES SHALL BE INCLUDED IN THE PAYMENT FOR THE SEWER.
26. WHERE SEWER AND WATER MAIN ARE TO BE REMOVED & REPLACED OR ADDED, ALL PIPE SHALL BE INSTALLED USING TRENCH DETAIL DETAILED IN THE SPECIFICATIONS OR SHOWN ON PLANS. BACKFILL FOR SEWER AND WATER CONSTRUCTION SHALL BE MDOT GRANULAR MATERIAL, CLASS II, MODIFIED.
27. EXISTING STREET NAME, GUIDE, AND REGULATORY SIGNS, AND MAILBOXES WHICH CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED PRIOR TO CONSTRUCTION, STORED IN A MANNER WHICH WILL PREVENT DAMAGE, AND RE-SET IN LOCATIONS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN "MACHINE GRADING, MODIFIED"
28. IN AREAS WHERE EDGE DRAIN CANNOT BE INSTALLED IN ACCORDANCE WITH CITY OF ANN ARBOR DETAIL SD-TD-11, THE EDGE DRAIN SHALL BE INSTALLED AT THE DEPTH AS INDICATED ON THE PLANS, OR AS DIRECTED BY ENGINEER. IN NO CASE SHALL THE EDGE DRAIN BE INSTALLED AT A GRADE LESS THAN 0.50% OR AT A DEPTH OF LESS THAN 2' BELOW TOP OF PROPOSED PAVEMENT.

GENERAL

NOTIFY THE CITY OF ANN ARBOR SOIL EROSION CONTROL OFFICE 48 HOURS PRIOR TO BEGINNING WORK ON THE PROJECT. PHONE: 734-794-6265.

1. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THE SOIL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER AT ALL TIMES DURING CONSTRUCTION. ANY MODIFICATIONS OR ADDITIONS TO THE SOIL EROSION CONTROL MEASURES DUE TO CONSTRUCTION OR CHANGED CONDITIONS SHALL BE AS DIRECTED AND APPROVED BY THE ENGINEER.
2. ALL SOIL EROSION AND SEDIMENTATION CONTROL WORK SHALL CONFORM TO THE PERMIT REQUIREMENTS OF THE CITY OF ANN ARBOR, CHAPTER 55 ANN ARBOR UNIFIED DEVELOPMENT CODE, CITY OF ANN ARBOR STANDARDS DIVISION VII, THE LAWS OF THE STATE OF MICHIGAN, AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
3. DAILY, OR AFTER ANY STORM EVENT, INSPECTIONS OF EROSION CONTROL MEASURES SHALL BE MADE BY THE CONTRACTOR. PERIODIC INSPECTIONS MAY BE MADE BY THE ENGINEER TO DETERMINE THE EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES. ANY NECESSARY CORRECTIONS SHALL BE MADE WITHOUT DELAY, AND WITHOUT ADDITIONAL COST TO THE CITY OF ANN ARBOR.
4. EROSION AND SEDIMENTATION FROM WORK ON THE SITE SHALL BE CONTAINED ON THE SITE AND NOT BE ALLOWED TO COLLECT ON ANY OFF-SITE AREAS, ROADWAYS OR WATERWAYS.
5. ALL MUD/SOIL TRACKED ONTO ROADWAYS FROM THE SITE DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR. IF SO ORDERED, THE CONTRACTOR SHALL PROVIDE AND OPERATE A VACUUM-TYPE STREET SWEEPER, AT NO ADDITIONAL COST TO THE CITY OF ANN ARBOR.
6. RESTORATION OF ALL DISTURBED AREAS, INCLUDING PLACEMENT OF TOPSOIL, SEED, FERTILIZER AND MULCH AND/OR SOD SHALL BE PERFORMED WITHIN FIVE (5) DAYS OF THE COMPLETION OF FINAL GRADE.
7. CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE SOIL EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION IN CRITICAL AREAS AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING OPERATIONS.
8. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
9. PROPER DUST CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION BY USE OF WATER TRUCKS AND/OR DUST PALLATIVE AS REQUIRED.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND REMOVAL OF SOME MEASURES UPON AUTHORIZED COMPLETION OF THE PROJECT. FINAL COMPLETION OF PROJECT WILL NOT BE AUTHORIZED UNTIL ALL SITE WORK AND UTILITY CONSTRUCTION IS COMPLETE AND ALL SOILS ARE STABILIZED.
11. THE CONTRACTOR SHALL NOT GRADE INTO ADJACENT PROPERTIES. SILT AND PROTECTIVE FENCE SHALL BE INSTALLED AND MAINTAINED TO PREVENT GRADING, EROSION AND SEDIMENTATION INTO THE ADJACENT PROPERTIES.
12. TREE PROTECTION FENCING MUST REMAIN INTACT UNTIL RESTORATION OF THE SITE IS COMPLETE.

SEQUENCE OF EROSION CONTROL MEASURES:

1. THE CONTRACTOR IS TO SUBMIT TO THE ENGINEER, A SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION CONTROL MEASURES FOR REVIEW, COMMENT AND APPROVAL. THIS SCHEDULE IS TO INCLUDE INSPECTION AND REPAIR OF ALL TEMPORARY EROSION CONTROL MEASURES DAILY AND WITHIN 24 HOURS OF A STORM EVENT.
- SAMPLE SOIL EROSION AND SEDIMENTATION CONTROL INSTALLATION MINIMUM REQUIREMENTS:
- 1.1. INSTALL SILT FENCE, TREE PROTECTION FENCING, MUD MATS, INLET FILTERS ON EXISTING DRAINAGE FEATURES, AND ALL OTHER TEMPORARY SOIL EROSION CONTROLS, PRIOR TO ANY CLEARING OR EARTH MOVING OPERATION.
- 1.2. STRIP AND STOCKPILE TOPSOIL. STABILIZE STOCKPILE AS REQUIRED.
- 1.3. INSTALL WATER MAINS, STORM AND SANITARY SEWERS, AND OTHER ENCLOSED DRAINAGE FEATURES. NEW INLET FILTERS SHALL BE INSTALLED IMMEDIATELY FOLLOWING INSTALLATION OF NEW DRAINAGE INLETS.
- 1.4. PERFORM MACHINE GRADING OPERATIONS AND CONSTRUCT PAVEMENTS (MAINLINE, SIDEWALKS, DRIVES, ETC.).
- 1.5. CONTINUALLY MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES, AS REQUIRED TO ALLOW DRAINAGE AND SEDIMENT REMOVAL. REMOVE ANY ACCUMULATED SEDIMENT IMMEDIATELY.
- 1.6. COMPLETE ALL FINE GRADING.
- 1.7. TEMPORARY SEED AND INSTALL EROSION CONTROL BLANKET IN ALL DISTURBED AREAS.
- 1.8. REFER TO LANDSCAPE PLANTING PLANS FOR PERMANENT SITE STABILIZATION.
- 1.9. CLEAN OUT STORM SEWER SYSTEMS.
- 1.10. REMEDY ANY NOTED DEFECTS TO THE SATISFACTION OF THE CITY OF ANN ARBOR'S SOIL EROSION AND SEDIMENTATION CONTROL OFFICIAL.
- 1.11. ALL TEMP. SOIL EROSION CONTROL MEASURES MUST BE REMOVED, WITH ENGINEERS APPROVAL, PRIOR TO FINAL INSPECTION

NOTE: THIS SEQUENCE IS FOR INFORMATION ONLY. IT IS INTENDED TO SHOW THE SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THEIR OWN DETAILED CONSTRUCTION SEQUENCE AND SCHEDULE TO THE ENGINEER FOR REVIEW, COMMENT, AND APPROVAL.

TEMPORARY SEEDING:

1. SEED IN ACCORDANCE WITH PROJECT DRAWINGS AND SPECIFICATIONS.
2. ANY DISTURBED AREA NOT PAVED, SEEDED, MULCHED, SODDED OR BUILT UPON BY NOVEMBER 15TH OR JUNE 30TH IS TO BE TEMPORARILY STABILIZED PER SPECIFICATIONS.

ON SITE SOILS PER THE USDA SOIL SURVEY OF WASHTENAW COUNTY, MICHIGAN:

- Sb - SEBEWA LOAM - IN DEPRESSION AREAS, BROAD LOW-LYING AREA, AND DRAINAGEWAYS OF OUTWASH PLAINS, VALLEY TRAINS, AND TERRACES. SLOPE IS 0% TO 2%.
- FoB - FOX SANDY LOAM - IN UPLAND AREAS AND ON OUT WASH PLAINS, KAMES, VALLEY TRAINS, TERRACES, AND MORAINES. SLOPES ARE UNIFORM OR SHORT AND COMPLEX.
- MdA - MATHERTON SANDY LOAM - IN DEPRESSION AREAS, BROAD LOW-LYING AREAS, AND ALONG DRAINAGEWAYS, OUTWASH PLAINS, VALLEY TRAINS, AND TERRACES. NEARLY LEVEL TO GENTLY SLOPING.
- MfA - METAMORA SANDY LOAM - IN DEPRESSION AREAS, BROAD, LOW-LYING AREAS, AND ALONG DRAINAGEWAYS OF TILL PLAINS AND MORAINES.
- Ngb - NAPPANEE SILTY CLAY LOAM - ON FOOT SLOPES AND ALONG DRAINAGEWAYS OF TILL PLAINS, MORAINES, AND LAKE PLAINS. NEARLY LEVEL TO GENTLY SLOPING.

IMPERVIOUS PROJECT AREA	
PRIOR TO CONSTRUCTION = 1.30 ACRES	POST CONSTRUCTION = 1.29 ACRES

AREA OF PROPOSED DISTURBANCE = 1.30 ACRES

PERMITS REQUIRED TO BE OBTAINED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF CONSTRUCTION.	
PERMIT	ISSUING AUTHORITY
LANE CLOSURE PERMIT*	CITY OF ANN ARBOR ENGINEERING
"NO PARKING" SIGNS PERMIT*	CITY OF ANN ARBOR ENGINEERING
GRADING/SOIL EROSION & SEDIMENTATION CONTROL PERMIT*	CITY OF ANN ARBOR CUSTOMER SERVICE
RIGHT-OF-WAY PERMIT*	CITY OF ANN ARBOR CUSTOMER SERVICE
* NO COST TO CONTRACTOR	

PERMITS REQUIRED TO BE OBTAINED BY THE CITY OF ANN ARBOR PRIOR TO THE BEGINNING OF CONSTRUCTION.	
PERMIT	ISSUING AUTHORITY
EGLE WATER MAIN CONSTRUCTION PERMIT	MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CONTACT INFORMATION		
PUBLIC UTILITIES	OWNER	CONTACT
WATER	CITY OF ANN ARBOR PUBLIC WORKS W.R. WHEELER SERVICE CENTER 4251 STONE SCHOOL ROAD ANN ARBOR, MI 48108	(734) 794-6350
SANITARY		
STORM		
FORESTRY		
SIGNS SIGNALS STREET LIGHTS		MARK MORENO (734) 794-6361
PRIVATE UTILITIES	OWNER	CONTACT
GAS	DTE ENERGY 3150 E. MICHIGAN AVE, YPSILANTI TOWNSHIP, MI 48198	ROBERT CZAPIEWSKI (734) 544-7818
ELECTRIC	DTE ENERGY WESTERN WAYNE SERVICE CENTER 8001 HAGGERTY ROAD BELLEVILLE, MI 48111	ANTHONY IGNASIAK (734) 397-4447
CABLE	COMCAST 27800 FRANKLIN ROAD SOUTHFIELD, MI 48034	RON SOUTHERLAND (313) 999-8300
PHONE	AT&T 550 S. MAPLE ROAD ANN ARBOR, MI 48103	MARC GOODELL (313) 405-0574
FIBER OPTIC	MCI 2800 N. GLENFILLE ROAD RICHARDSON, TX 75082	DEAN BOYERS (972) 729-6016
FIBER OPTIC	WINDSTREAM 1295 S LINDEN ROAD, SUITE B FLINT, MI 48532	GREG SERICH (810) 244-3500
STREET LIGHTING	DTE ENERGY 8001 HAGGERTY ROAD BELLEVILLE, MI 48111	LANCE ALLEY (734) 397-4188

BENCHMARKS				
BM #	ELEV	NORTHING	EASTING	DESCRIPTION
200	811.90	N42° 16' 56.93"	W83° 45' 02.81"	SET COTTON SPINDLE ON S/FACE OF WD UTIL POLE. NE/QUAD OF N FIRST ST & W ANN ST
201	821.19	N42° 16' 56.43"	W83° 45' 00.35"	CHISELED "O" ON NE BOLT OF LAMP POLE W/ CONC BASE. S/SIDE OF W ANN ST ±105'W OF W ANN ST & N ASHLEY ST INTERSECTION
202	834.00	N42° 16' 56.11"	W83° 44' 54.83"	CHISELED "+" ON NE BOLT OF GUY POLE W/ CONC BASE. SW/QUAD E ANN ST & N MAIN ST
203	836.02	N42° 16' 56.05"	W83° 44' 49.29"	SET COTTON SPINDLE ON N/FACE OF WD UTIL POLE. SE/QUAD OF E ANNS T & N FOUTH ST
204	842.41	N42° 16' 56.38"	W83° 44' 44.80"	SET COTTON SPINDLE ON S/FACE OF WD UTIL POLE. NE/QUAD OF E ANN ST & N FIFTH ST
205	846.54	N42° 16' 55.83"	W83° 44' 41.74"	SET CHISELED "O" ON NE BOLT OF LT POLE W/ CONC BASE. S/SIDE OF E ANN ST ±105'S OF BLDG #321 E ANN ST
206	850.13	N42° 16' 56.25"	W83° 44' 39.97"	SET CHISELED "O" ON SE/BOLT OF LT POLE W/ CONC BASE. N/SIDE OF E ANN ST NEAREST TO HOUSE ADDRESS #335
207	856.48	N42° 16' 55.93"	W83° 44' 37.34"	SET COTTON SPINDLE ON W/FACE OF WD LT POLE. SE/QUAD OF E ANN ST & DIVISION
208	838.65	N42° 16' 56.59"	W83° 44' 47.57"	SET COTTON SPINDLE ON S/FACE OF WD UTIL POLE. N/SIDE OF E ANN ST ±19' E OF E BLDG LINE OF "TEAHAUS"

TRAVERSE POINTS			
TP #	ELEV	NORTHING	EASTING
100	811.18	N42° 16' 56.51"	W83° 45' 03.02"
101	823.33	N42° 16' 56.82"	W83° 44' 59.37"
102	832.79	N42° 16' 56.16"	W83° 44' 54.99"
103	833.93	N42° 16' 56.60"	W83° 44' 50.34"
104	840.54	N42° 16' 55.89"	W83° 44' 45.92"
106	849.95	N42° 16' 55.78"	W83° 44' 40.04"
107	854.52	N42° 16' 56.23"	W83° 44' 37.93"
108	836.71	N42° 16' 55.99"	W83° 44' 47.96"
109	833.87	N42° 16' 56.14"	W83° 44' 52.28"



Know what's below.
Call before you dig.

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48108-8647
www.a2gov.org



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

ANN STREET IMPROVEMENTS

STANDARD NOTES



SCALE : NTS

DRAWING No.
2022-025-3

SHEET No.

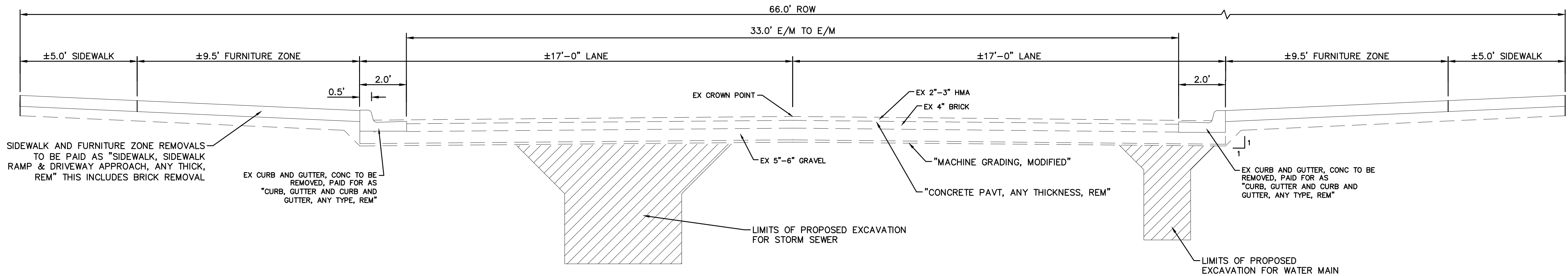
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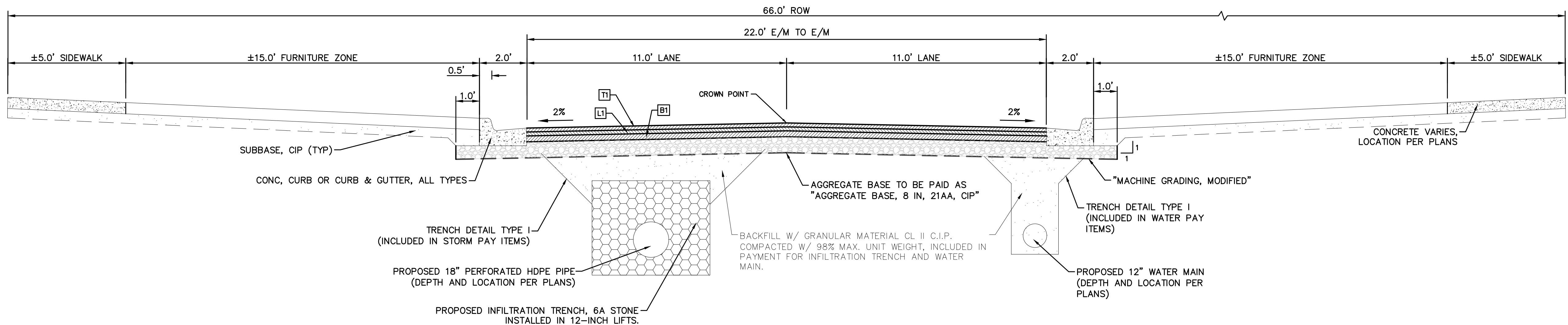
WEARING COURSE TO HAVE MAXIMUN RAP CONTENT OF 17%
HMA BOND COAT AT 0.05 TO 0.15 GAL/SYD BETWEEN PROPOSED HMA LIFTS (FOR INFORMATION ONLY, INCLUDED WITH PAYMENT FOR HMA MIXTURES)

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**ANN STREET
EXISTING TYPICAL SECTION**

STA 2+90 TO STA 3+15
STA 6+20 TO STA 7+30
STA 9+60 TO STA 10+60
STA 12+90 TO P.O.E.
N.T.S.



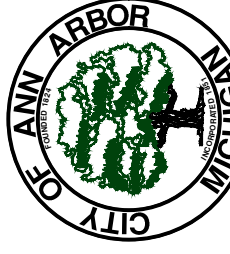
**ANN STREET
PROPOSED TYPICAL SECTION**

STA 2+90 TO STA 3+15
STA 6+20 TO STA 7+30
STA 9+60 TO STA 10+60
STA 12+90 TO P.O.E.
N.T.S.



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

ANN STREET IMPROVEMENTS

TYPICAL ROAD SECTIONS

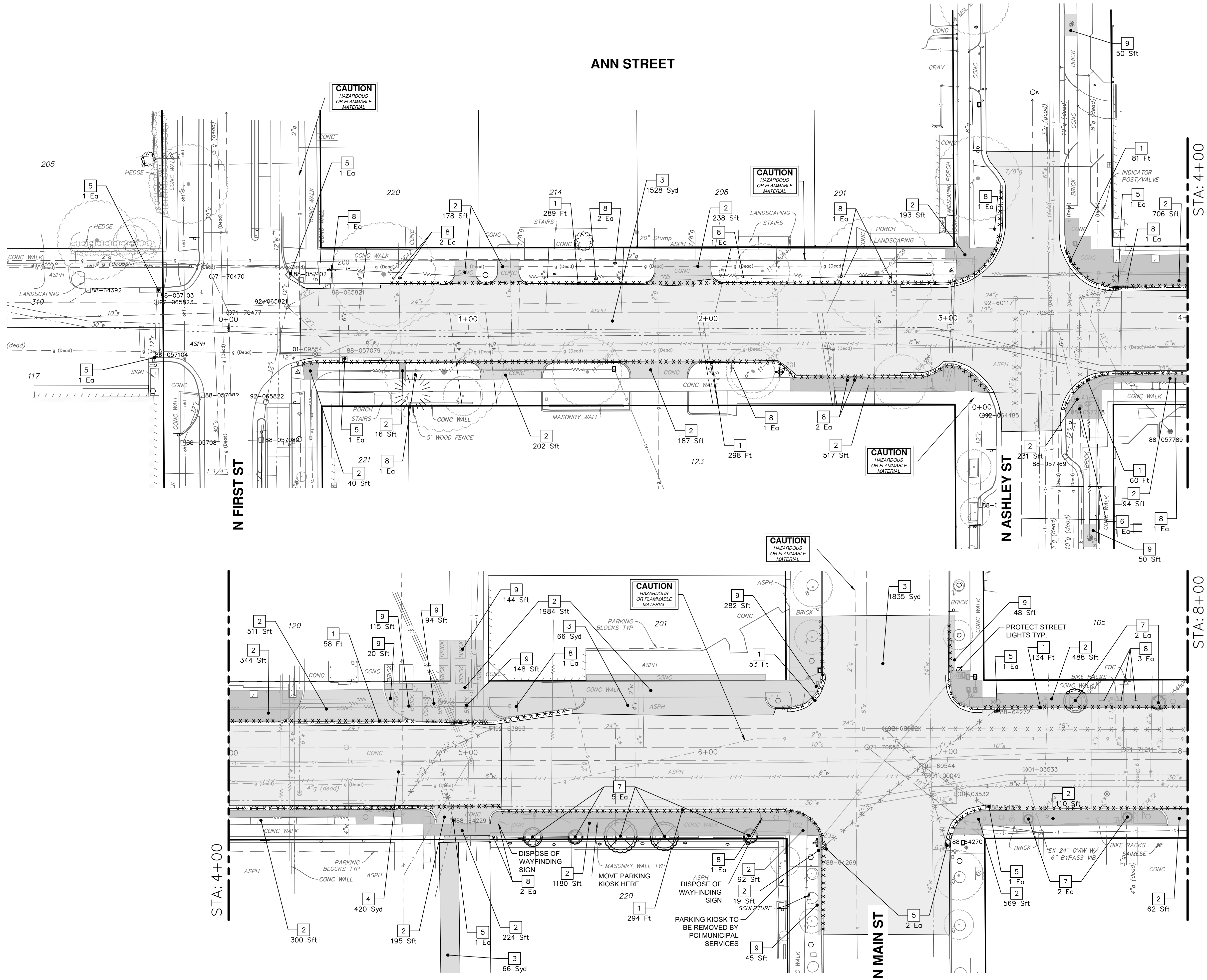
SCALE PLAN: 1" = 25'

DRAWING No.
2022-025-9

SHEET No.

9 OF 65

P:\0000_0100\0028220080_Ann_St-Washtenaw_Ave_WM_Designs\Drawings\Civil\Removal\220080Rem.dwg Dwg Created: 16-Dec-25 - _a2 standard bw.stb - Plot Date: 16-Dec-25



REMOVAL KEY	
KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER - ANY TYPE
2	REMOVE CONCRETE SIDEWALK AND DRIVE - ANY THICKNESS *
3	HMA PAVEMENT REMOVAL, ANY DEPTH*
4	CONCRETE PAVEMENT REMOVAL, ANY DEPTH*
5	INLET FILTER
6	N/A
7	REMOVE EXISTING TREE - SIZE VARIES
8	REMOVE AND SALVAGE SIGN, PARKING METER OR BIKE RACK
9	REMOVE BRICK SIDEWALK

- * SAWCUT FULL DEPTH AT REMOVAL LIMITS
- NOTES:
- PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
 - UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).
 - COMPOSITE PAVEMENT TO BE PAID AS "CONCRETE PAVT, ANY THICKNESS, REM."

811

Know what's below. Call before you dig.

CE

SM

DATE

12-17-2025

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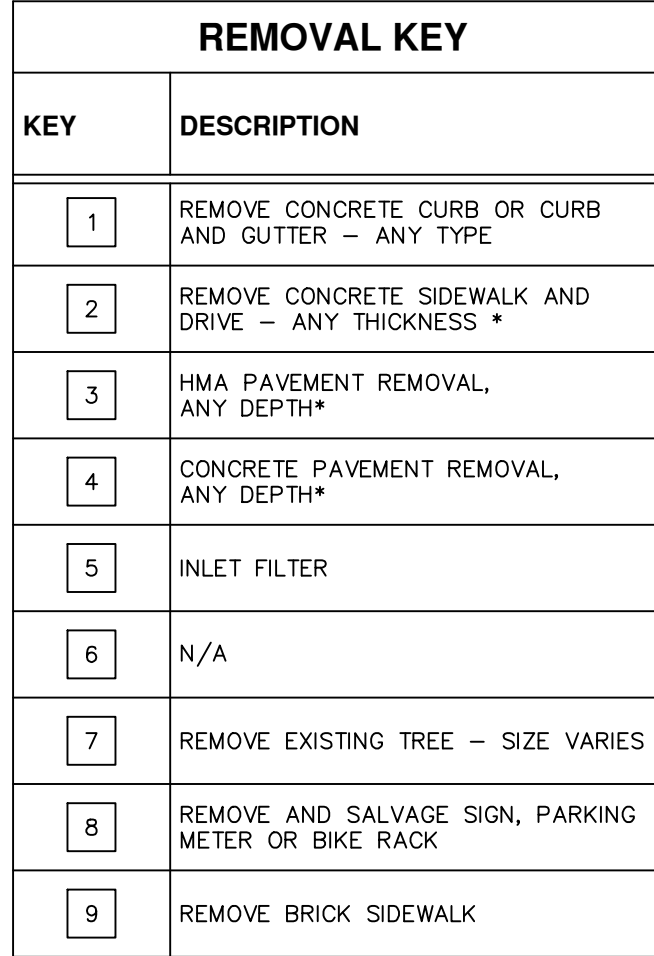
CITY OF ANN ARBOR
PUBLIC SERVICES
ANN STREET IMPROVEMENTS
REMOVAL PLAN P.O.B. TO STA 8+00

SCALE PLAN: 1" = 20'

PROFILE: 1" = 4'

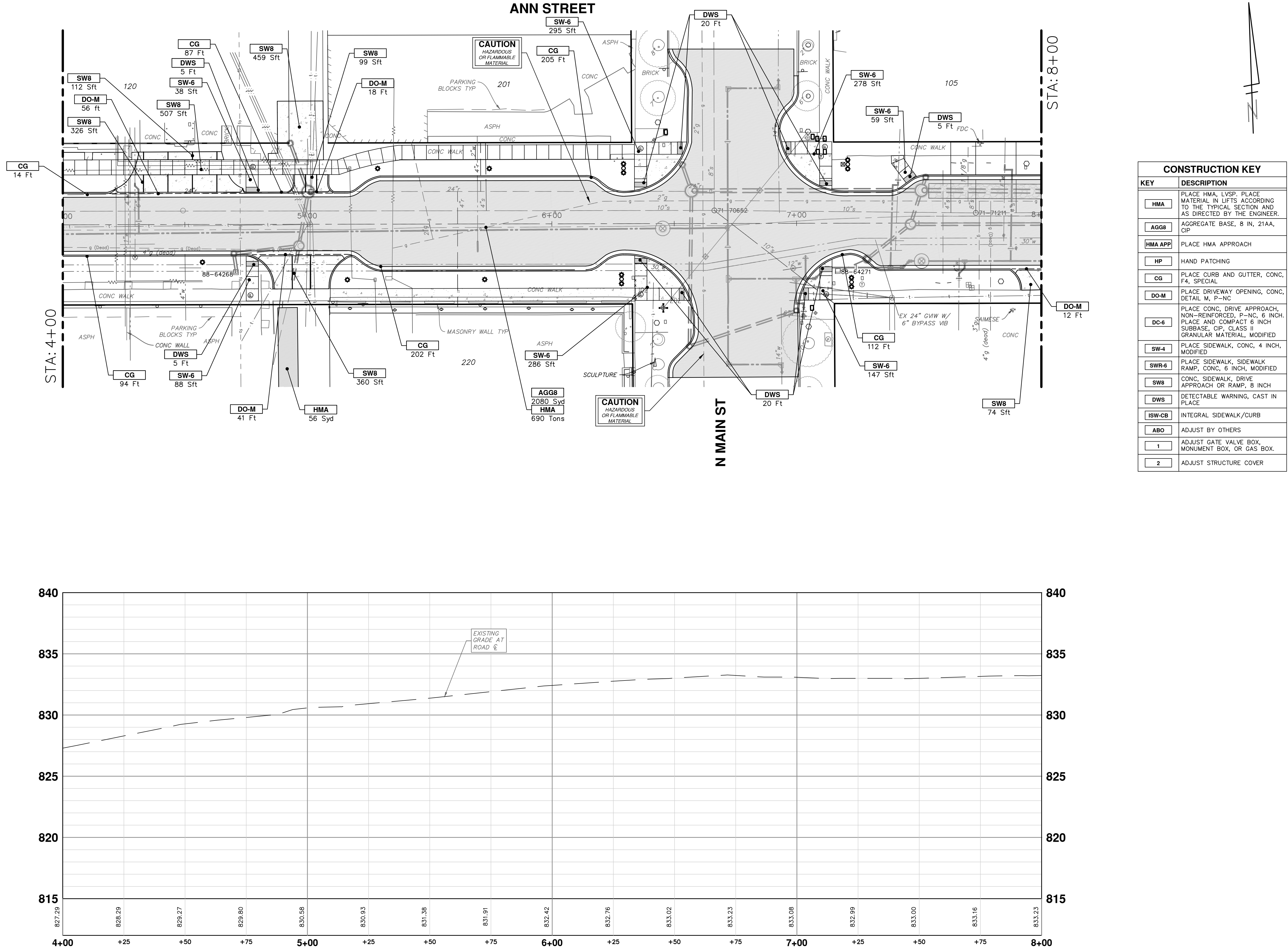
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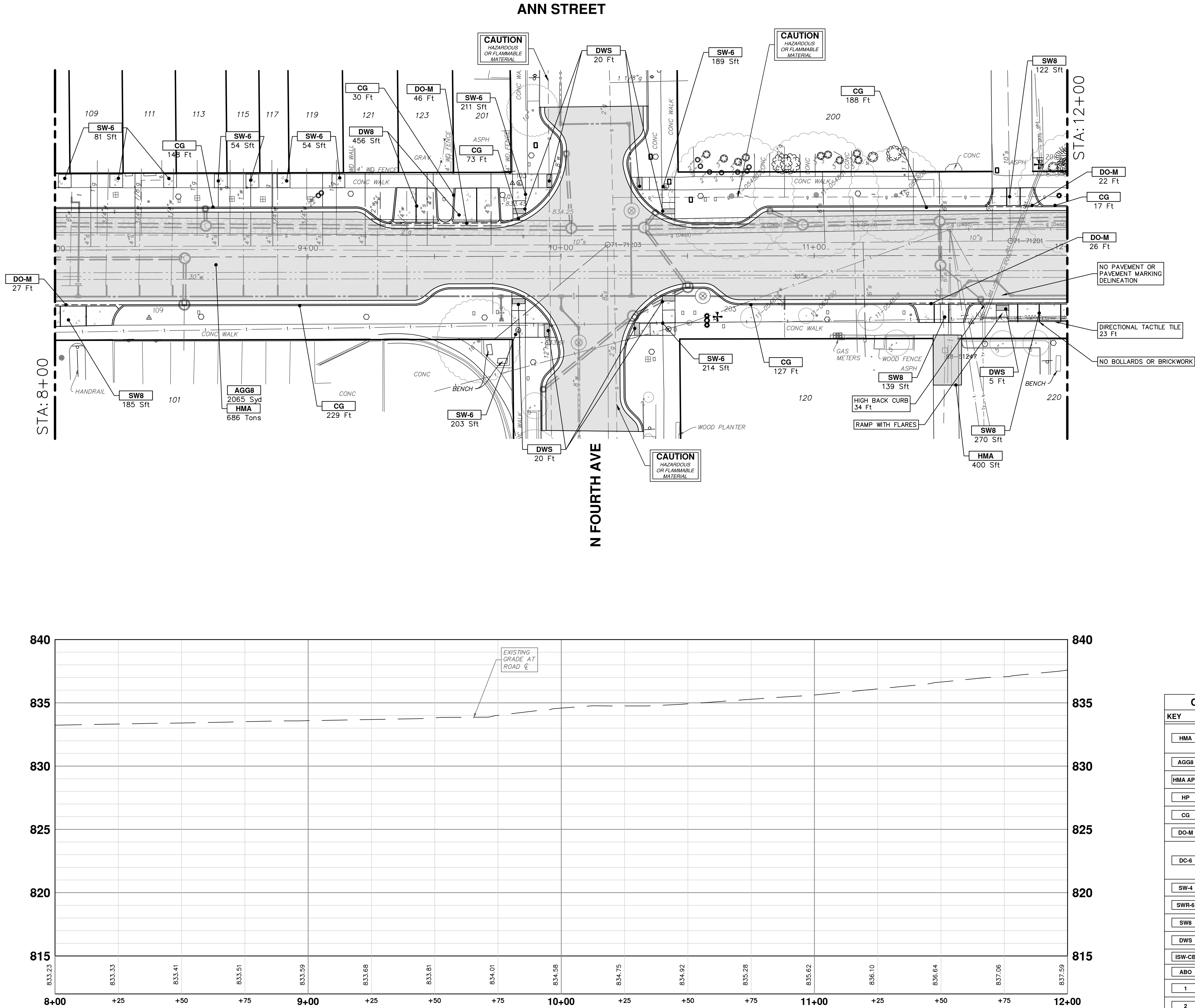


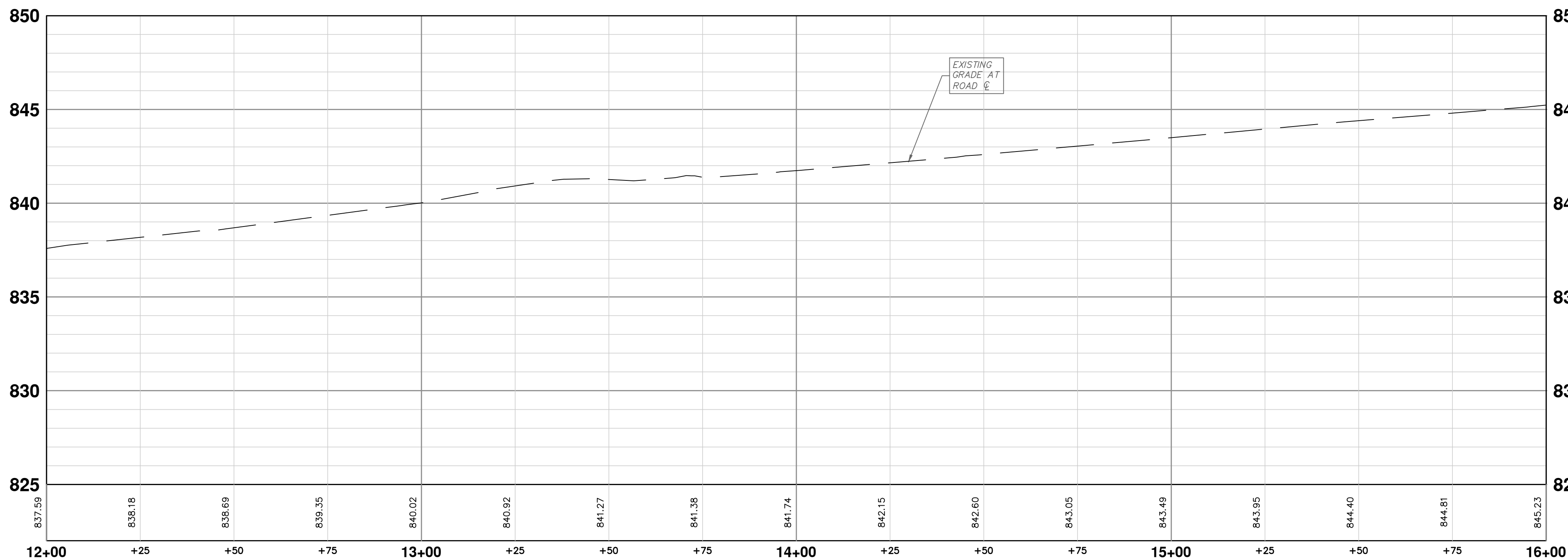
- * SAWCUT FULL DEPTH AT REMOVAL LIMITS
- NOTES:
1. PAVEMENT SHALL BE SAW CUT FULL DEPTH AND REMOVED HALF WIDTH FOR WATER MAIN INSTALLATION. FINAL LIMITS OF PAVEMENT REMOVAL WILL BE AS DIRECTED BY THE ENGINEER.
 2. UTILITY REMOVALS SHOWN ON UTILITY SHEET(S).
 3. COMPOSITE PAVEMENT TO BE PAID AS "CONCRETE PAVT, ANY THICKNESS, REM."

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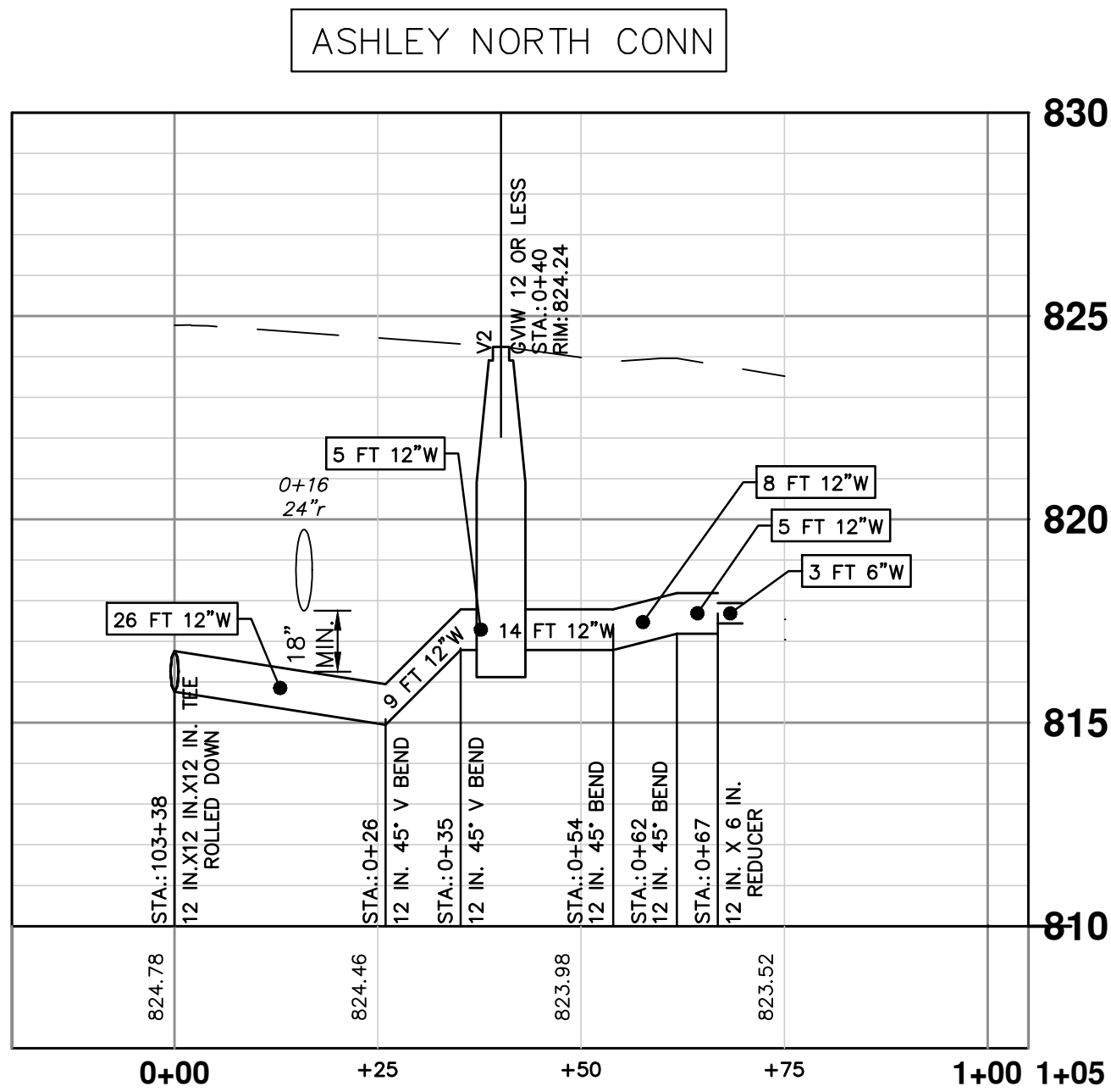
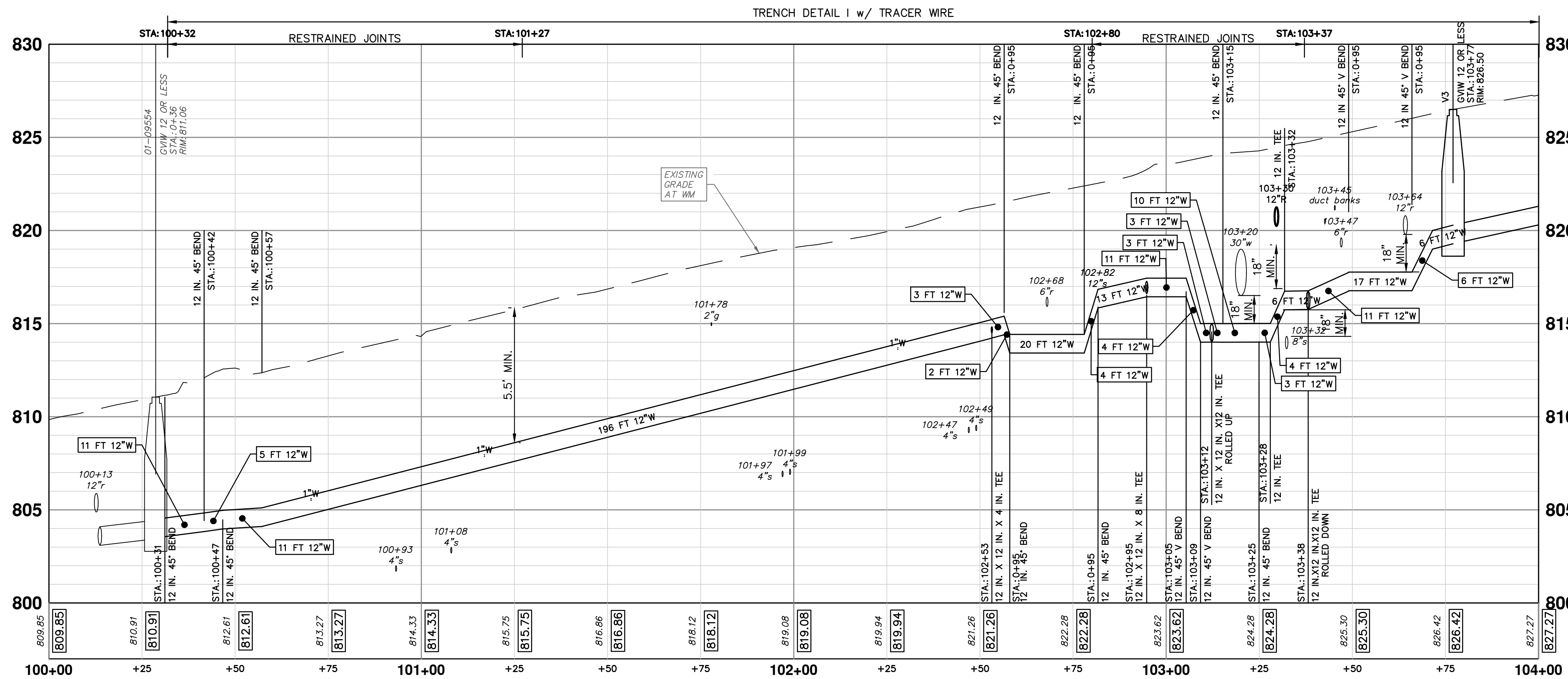
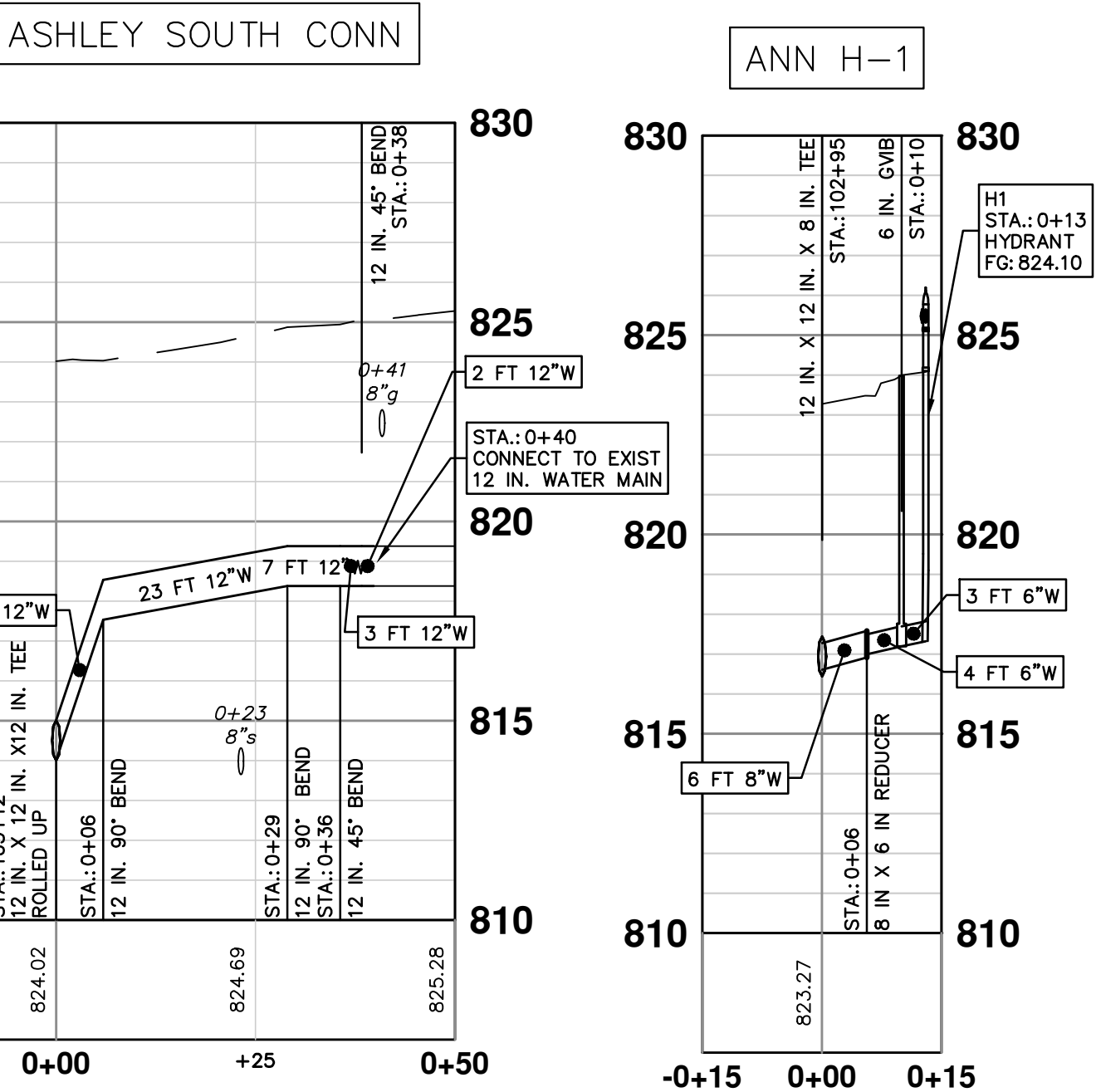
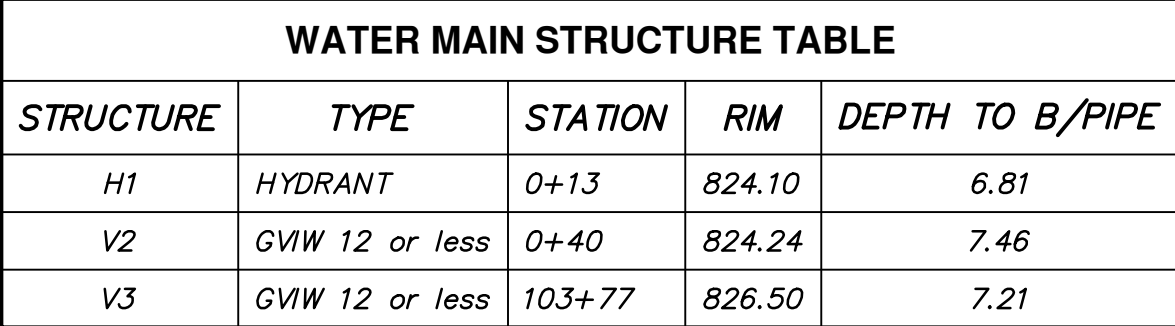


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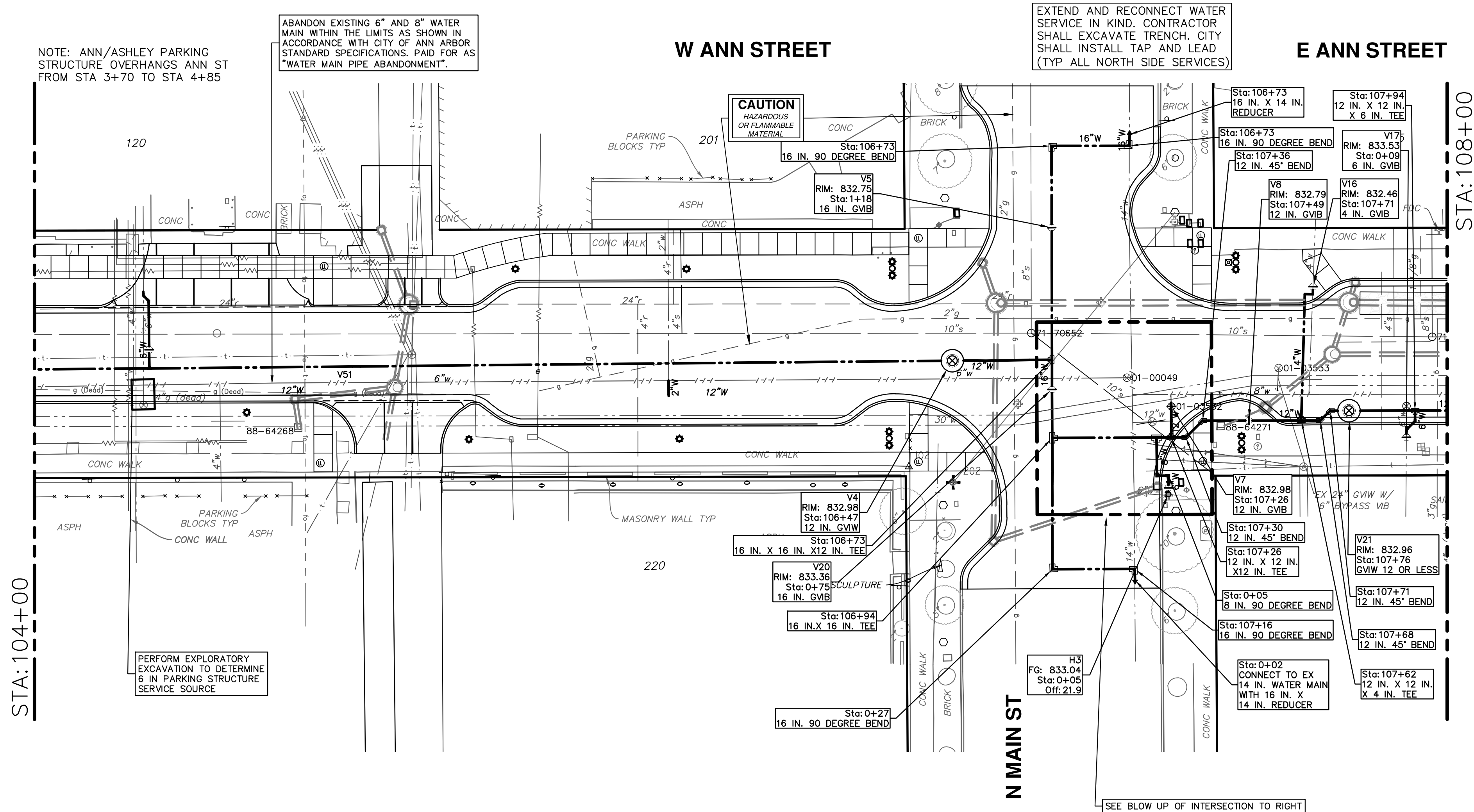




CONSTRUCTION KEY	
KEY	DESCRIPTION
HMA	PLACE HMA, LVSP. PLACE MATERIAL IN LIFTS ACCORDING TO THE TYPICAL SECTION AND AS DIRECTED BY THE ENGINEER.
AGG8	AGGREGATE BASE, 8 IN. 21AA, CIP
HMA APP	PLACE HMA APPROACH
HP	HAND PATCHING
CG	PLACE CURB AND GUTTER, CONC, F4, SPECIAL
DO-M	PLACE DRIVEWAY OPENING, CONC, DETAIL M, P-NC
DC-6	PLACE CONC, DRIVE APPROACH, NON-REINFORCED, P-NC, 6 INCH. PLACE AND COMPACT 6 INCH SUBBASE, CIP, CLASS II GRANULAR MATERIAL, MODIFIED
SW-4	PLACE SIDEWALK, CONC, 4 INCH, MODIFIED
SWR-6	PLACE SIDEWALK, SIDEWALK RAMP, CONC, 6 INCH, MODIFIED
SW8	CONC, SIDEWALK, DRIVE APPROACH OR RAMP, 8 INCH
DWS	DETECTABLE WARNING, CAST IN PLACE
ISW-CB	INTEGRAL SIDEWALK/CURB
ABO	ADJUST BY OTHERS
1	ADJUST GATE VALVE BOX, MONUMENT BOX, OR GAS BOX.
2	ADJUST STRUCTURE COVER

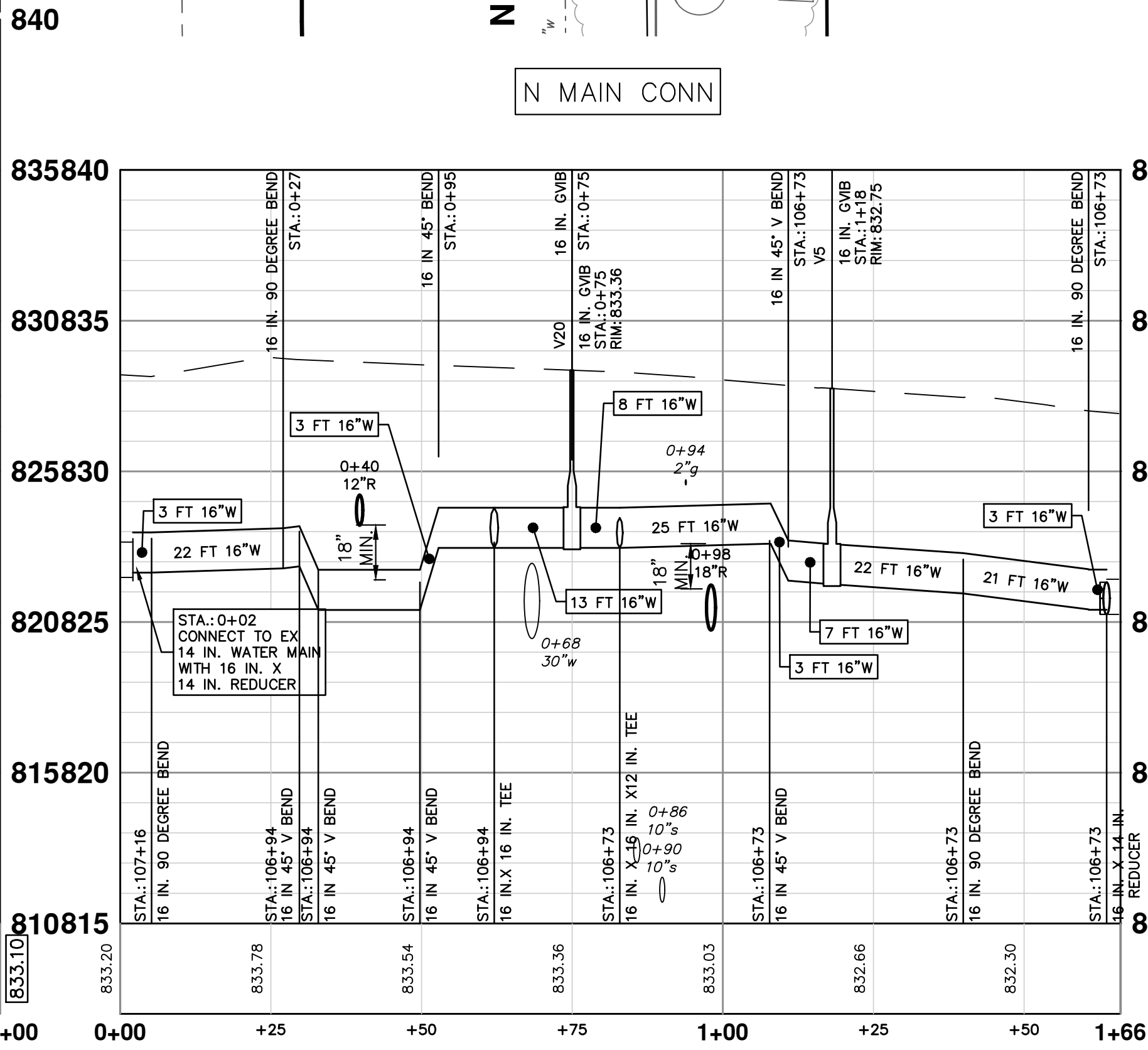
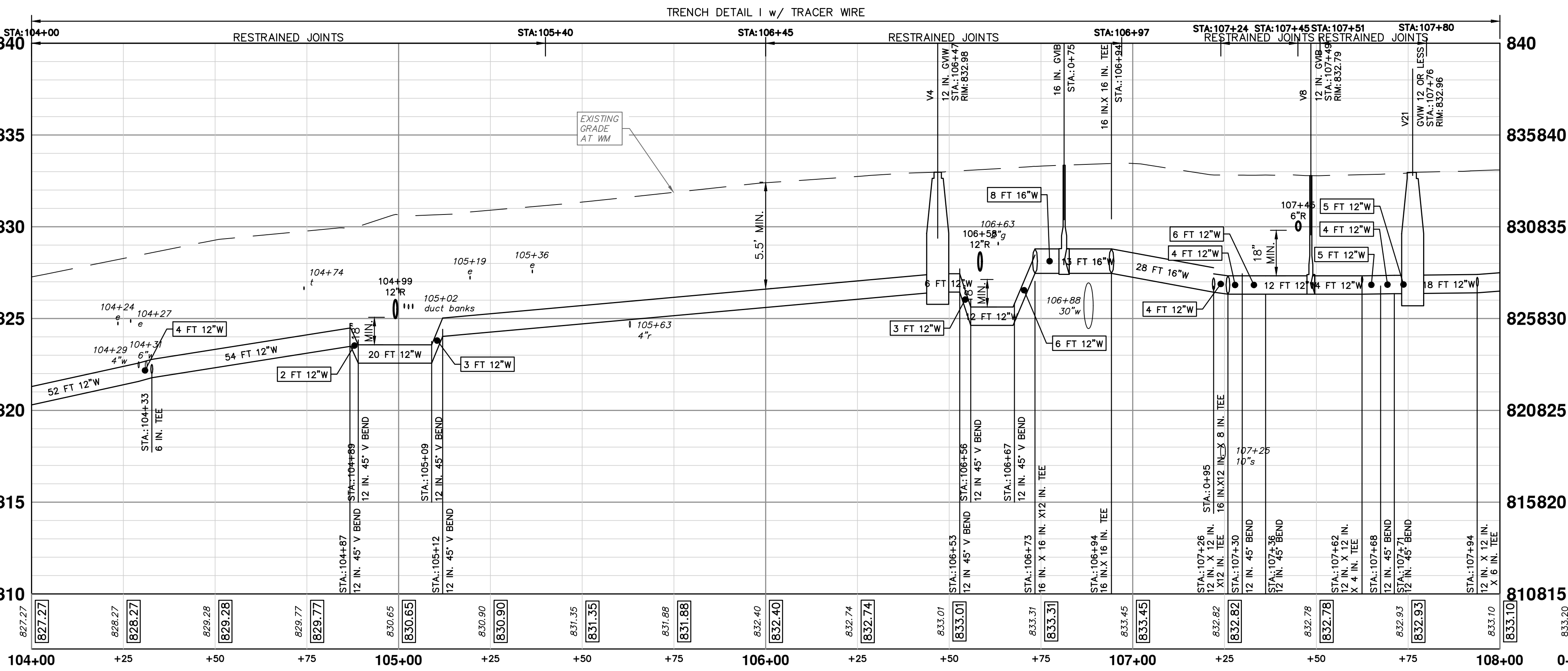
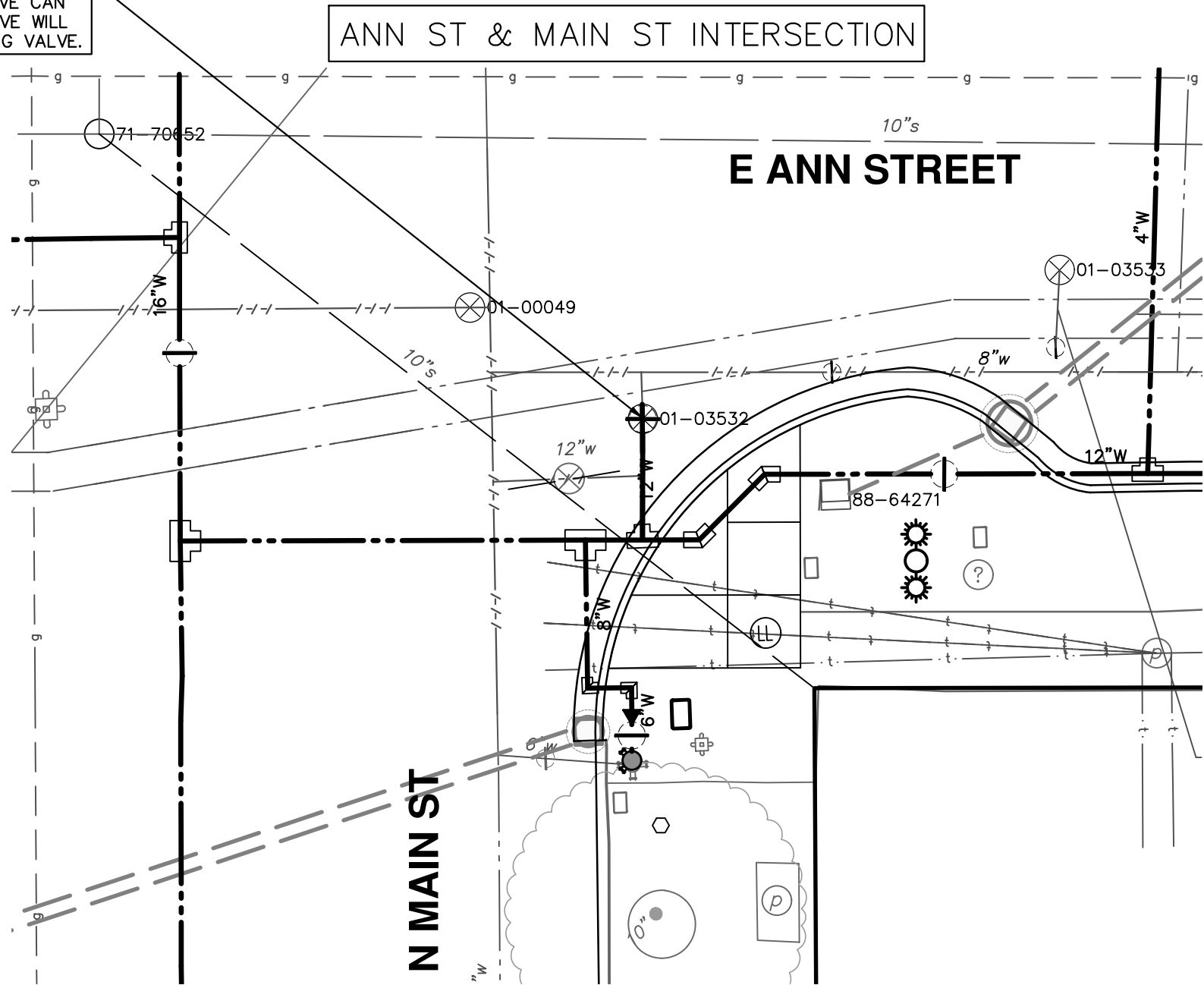


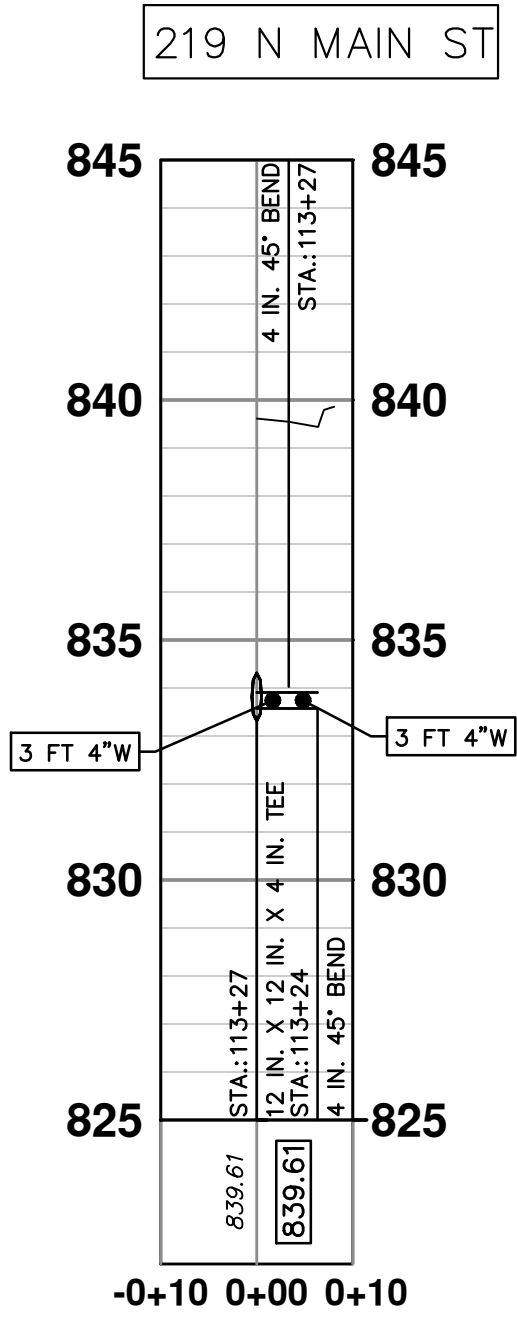
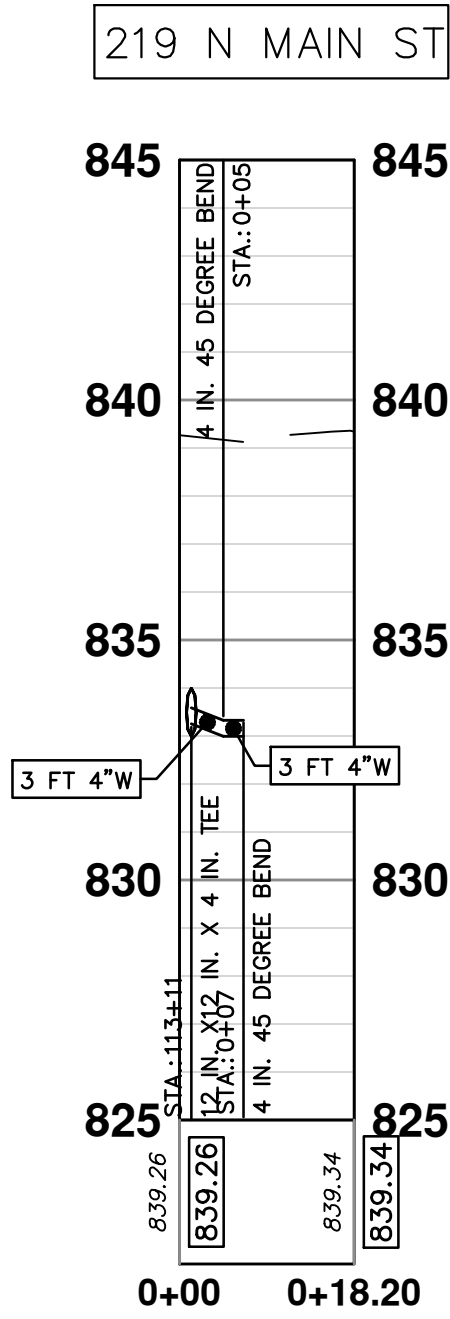
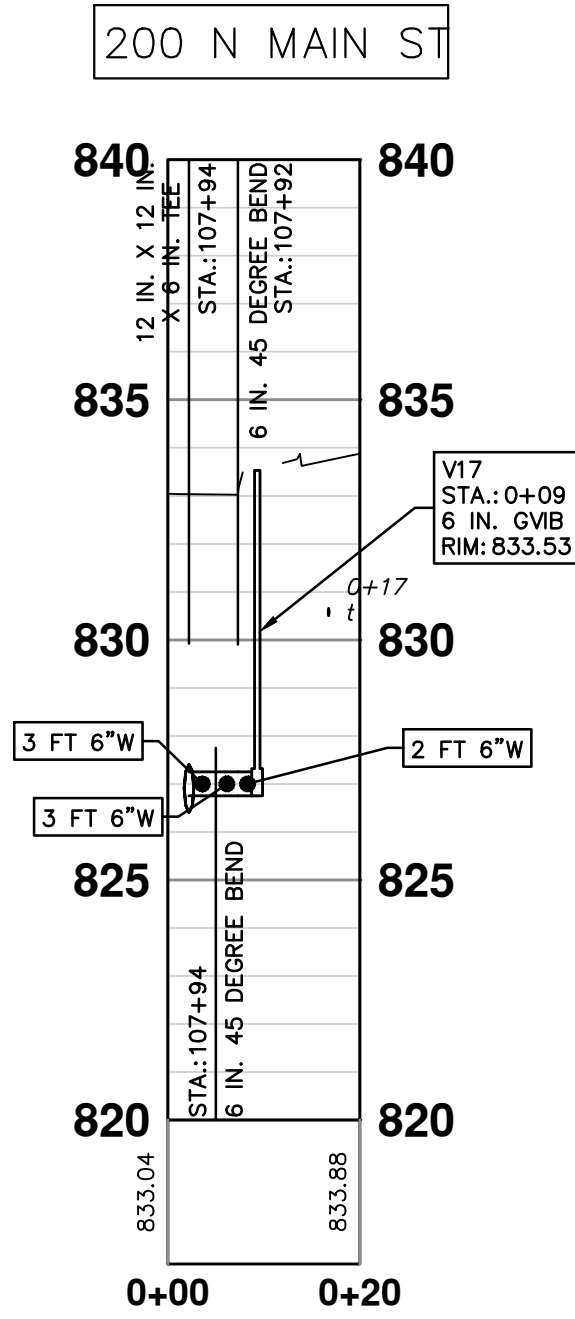
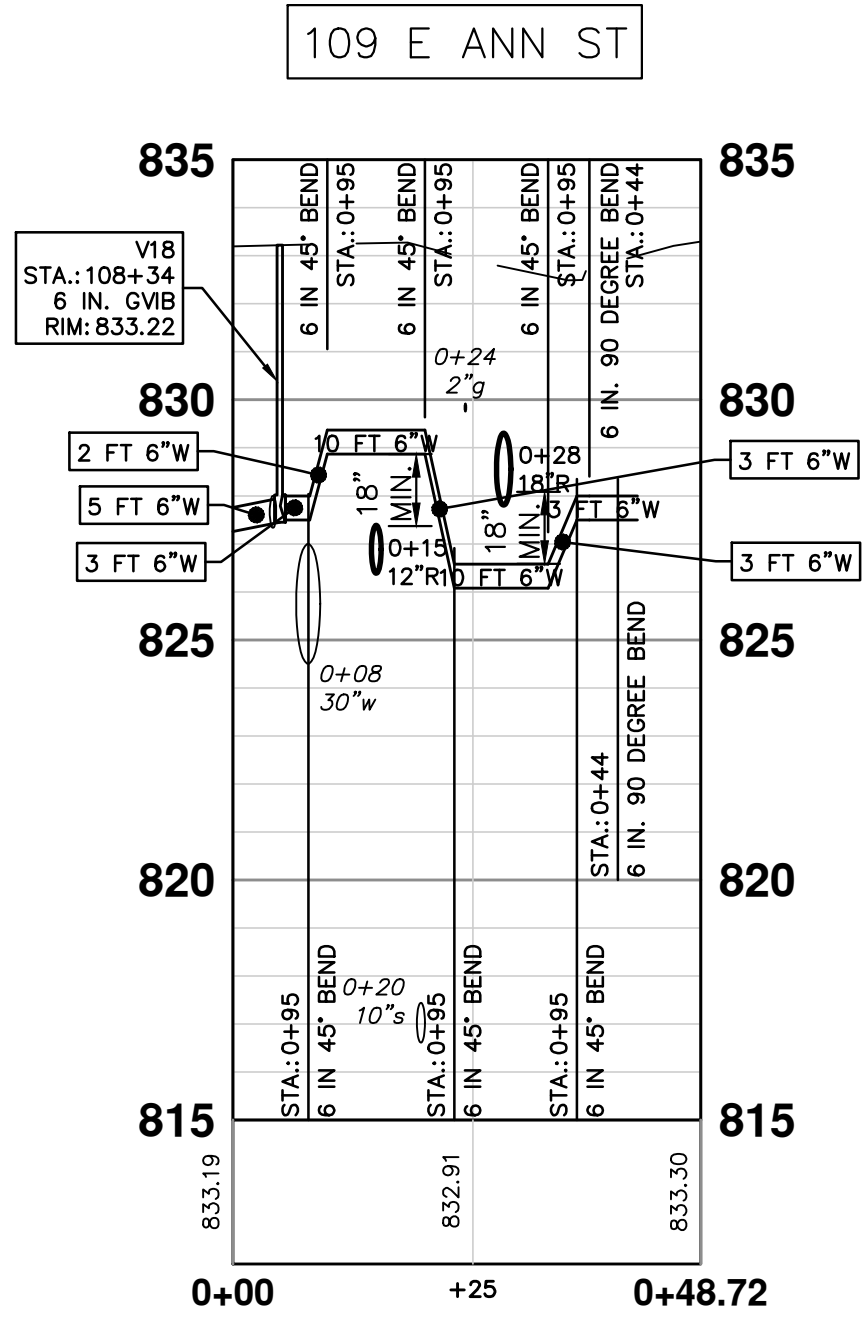
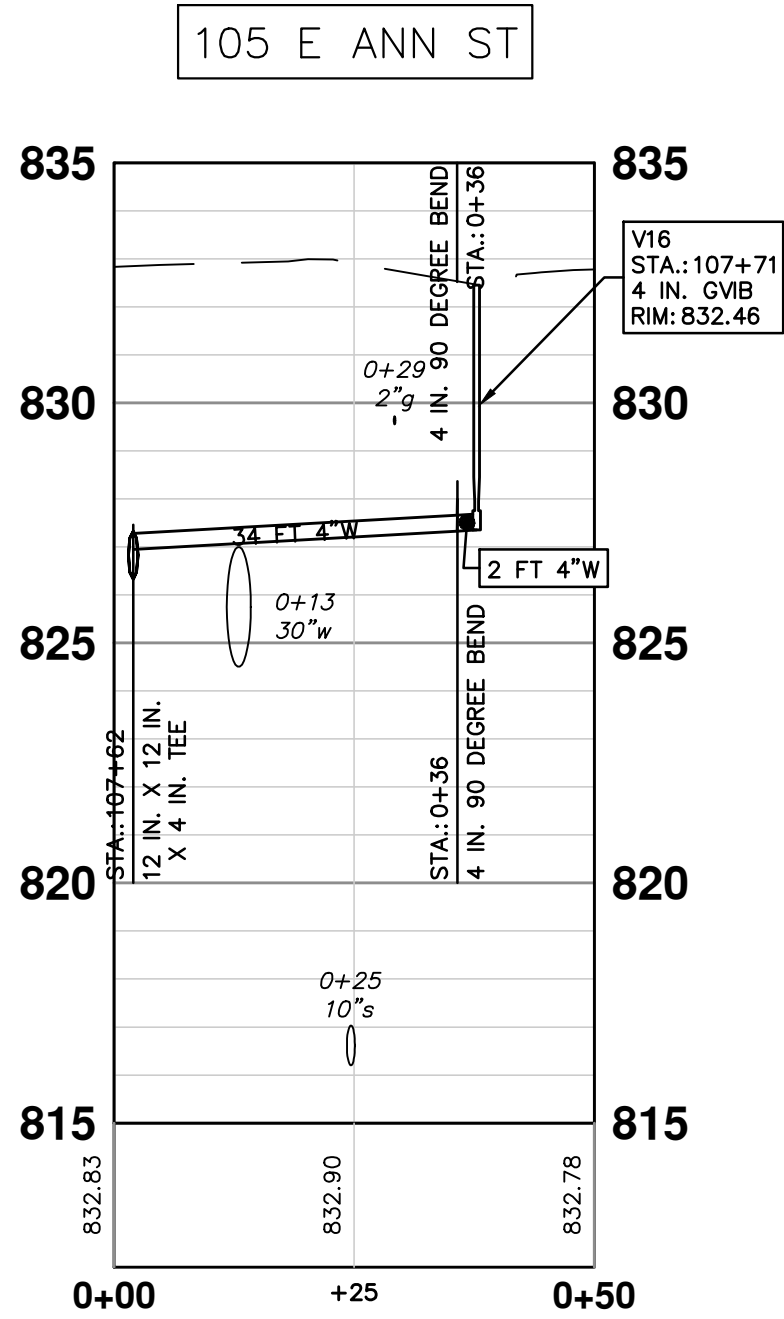
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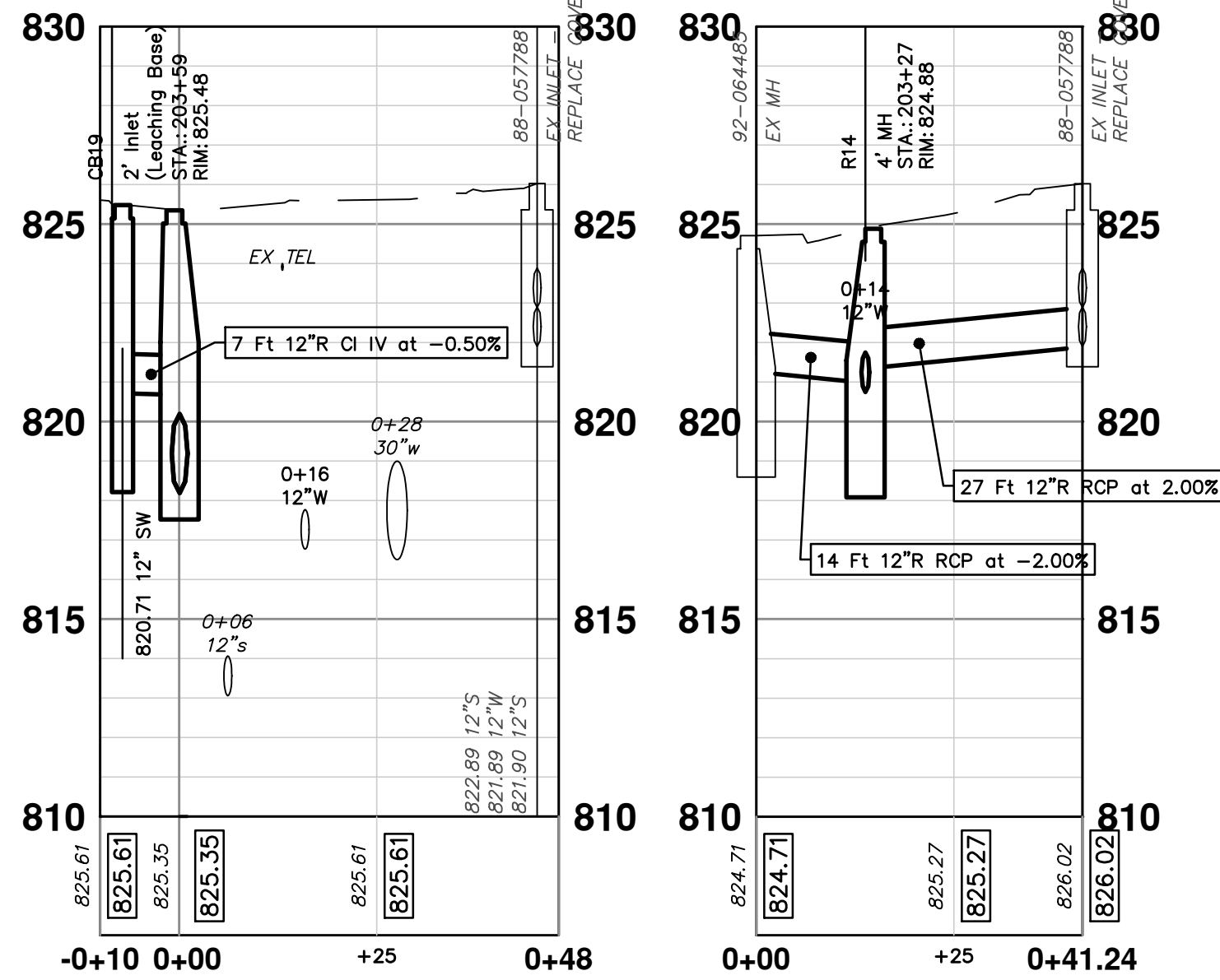
WATER MAIN STRUCTURE TABLE				
STRUCTURE	TYPE	STATION	RIM	DEPTH TO B/PIPE
V92	6 in. GVB	0+05	833.00	7.35
H3	HYDRANT	0+05	833.04	5.39
V17	6 in. GVB	0+09	833.53	6.78
V20	16 in. GVB	0+75	833.36	5.95
V5	16 in. GVB	1+18	832.75	6.56
V88	6 in. GVB	104+33	828.49	6.50
V4	12 in. GVIW	106+47	832.98	6.54
V7	12 in. GVB	107+26	832.98	7.98
V8	12 in. GVB	107+49	832.79	6.46
V16	4 in. GVB	107+71	832.46	5.10
V21	GVIW 12 or less	107+76	832.96	6.60

COORDINATE WITH CITY TO REPLACE 12 IN VALVE CONNECTED TO 30 IN PCOP MAIN. VALVE WILL BE FLANGE/MJ. IN THE EVENT THE EXISTING VALVE CAN NOT BE REMOVED A NEW VALVE WILL BE ATTACHED TO THE EXISTING VALVE.

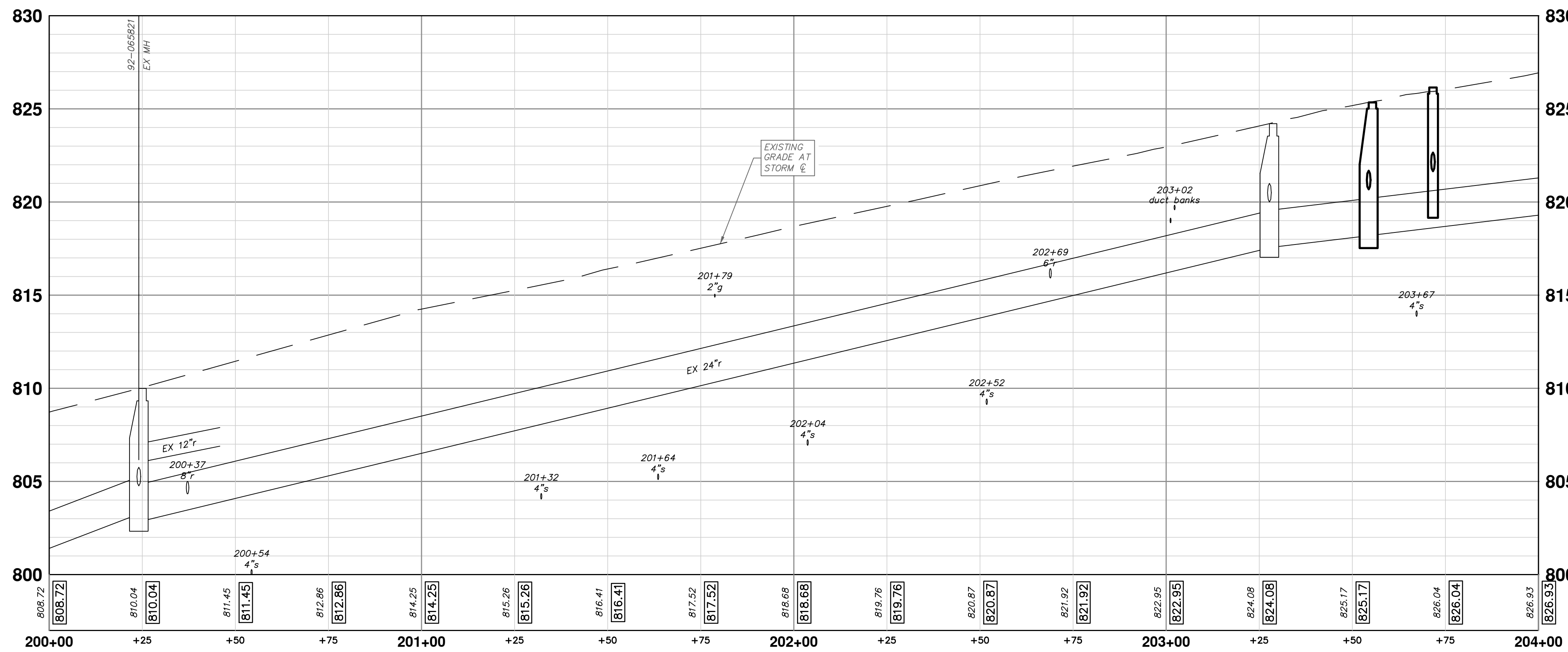
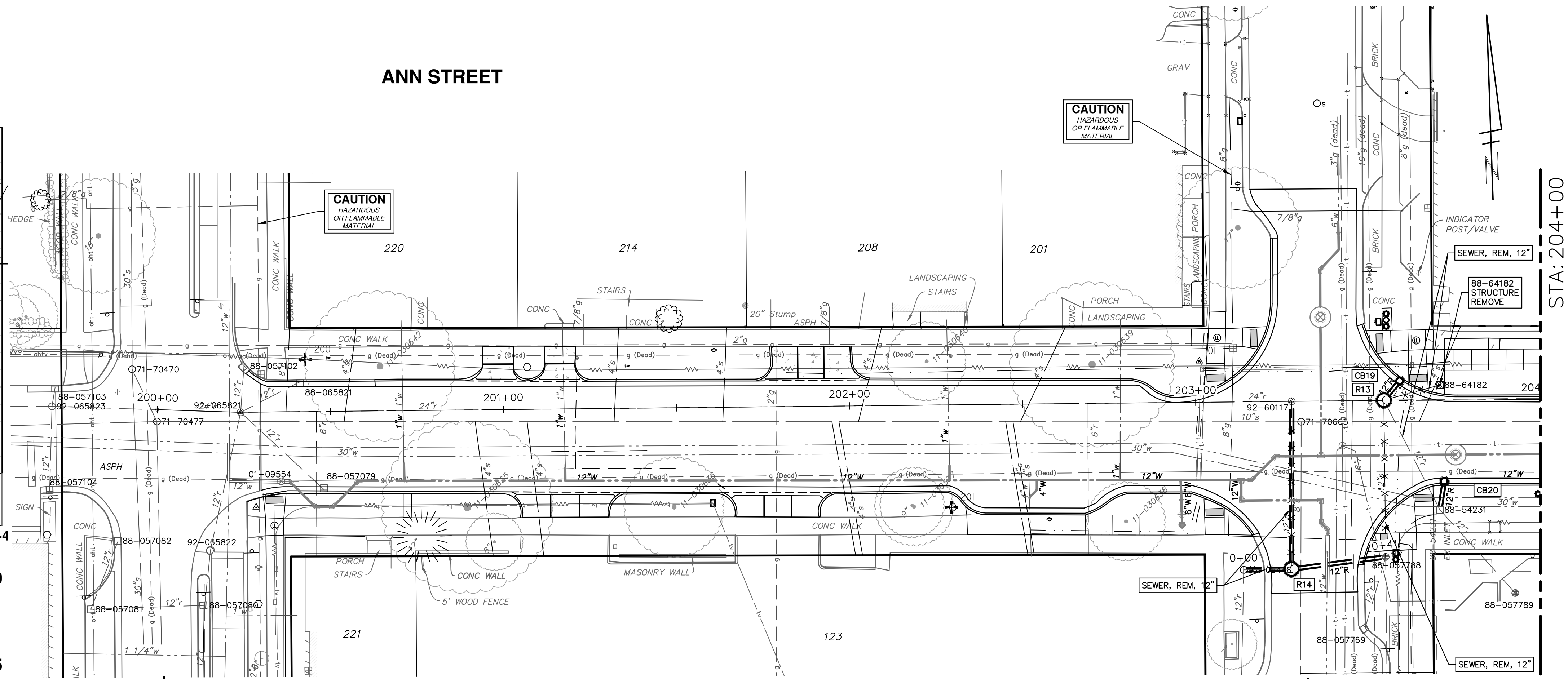


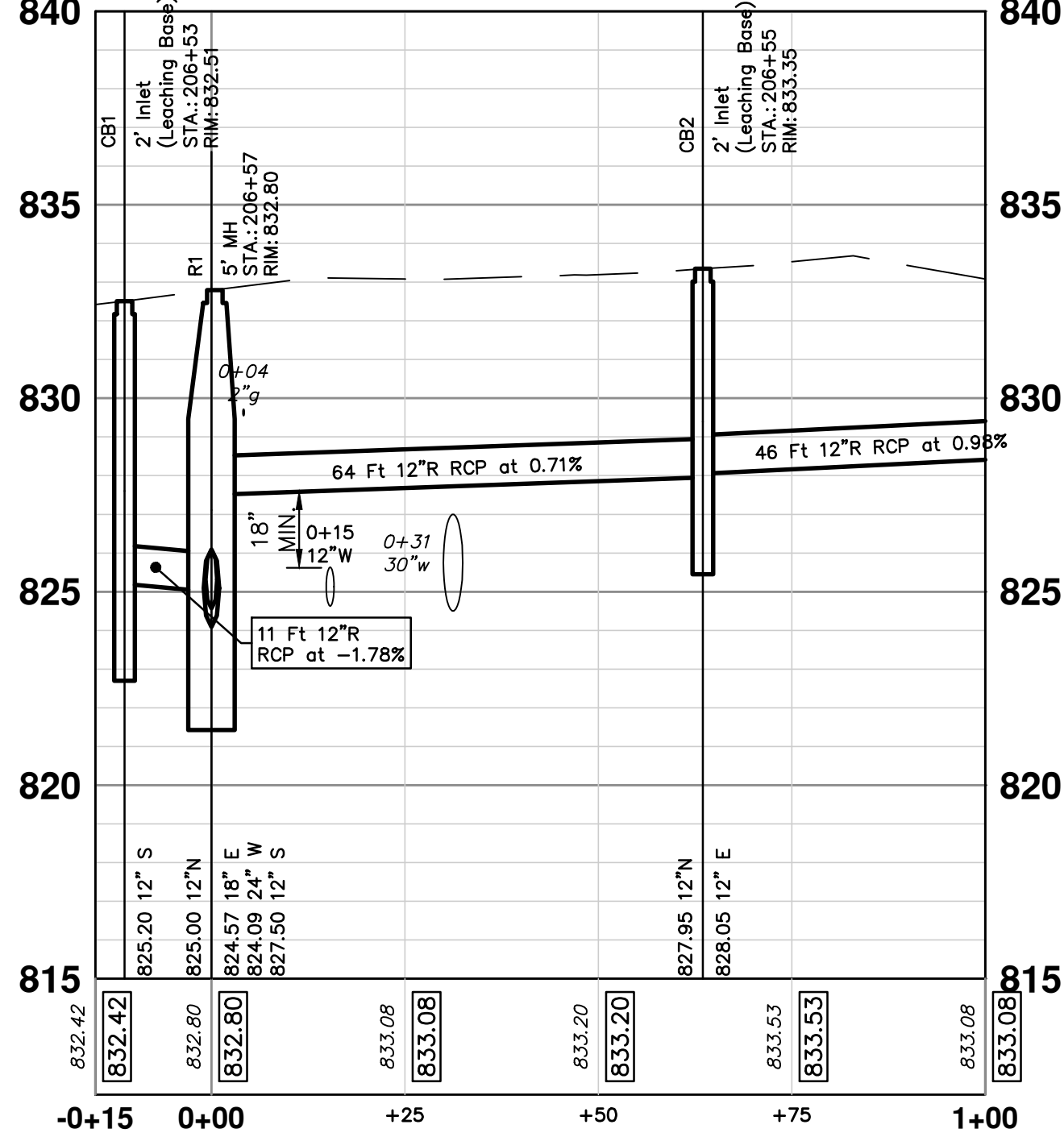
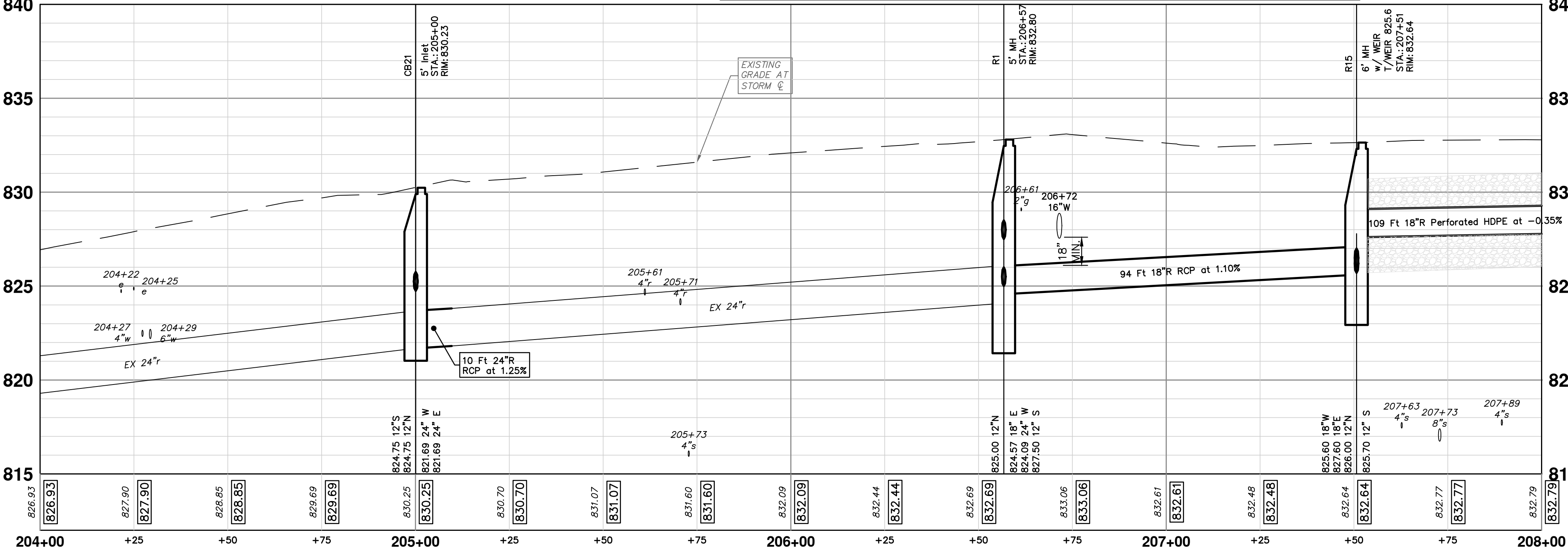


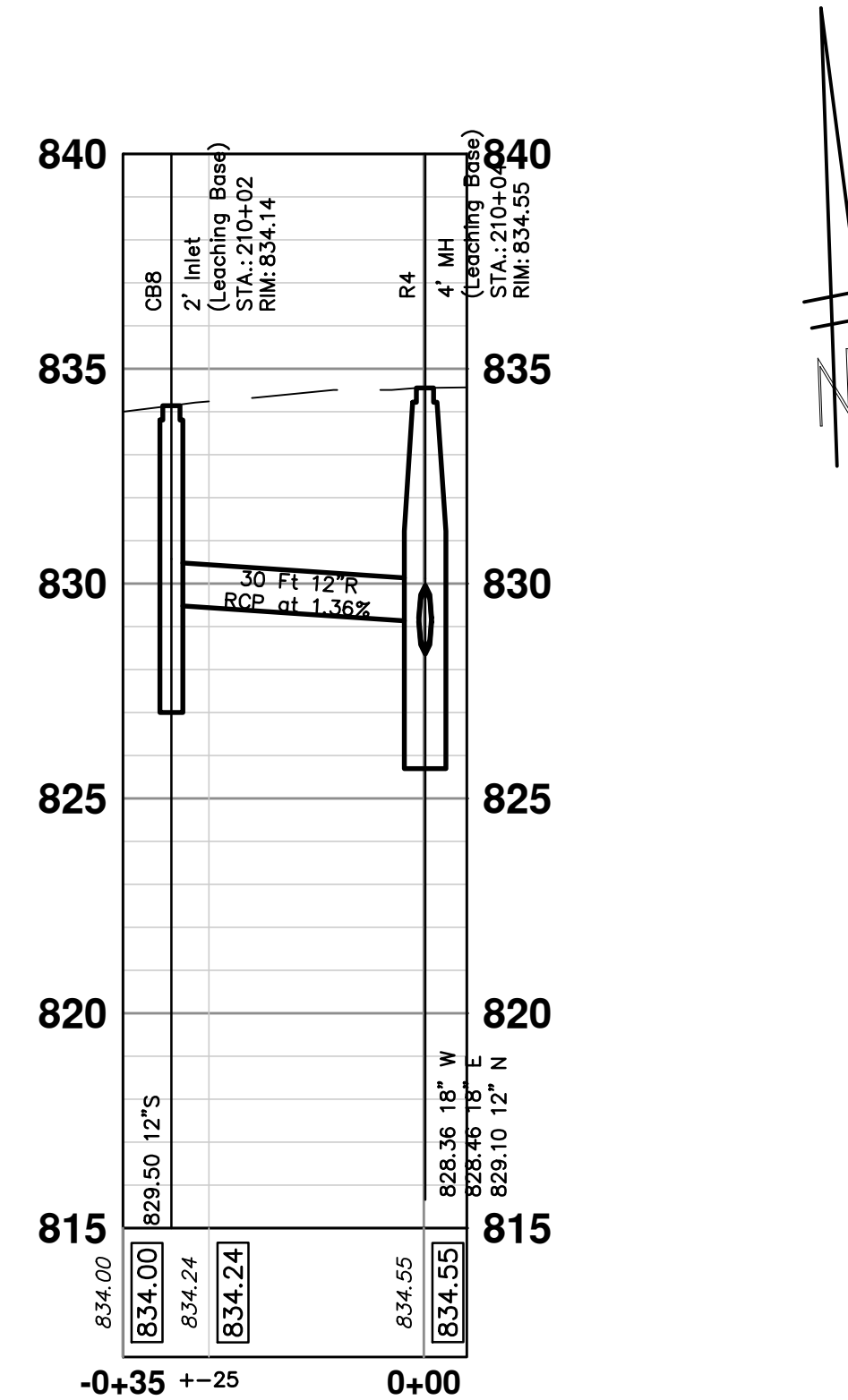
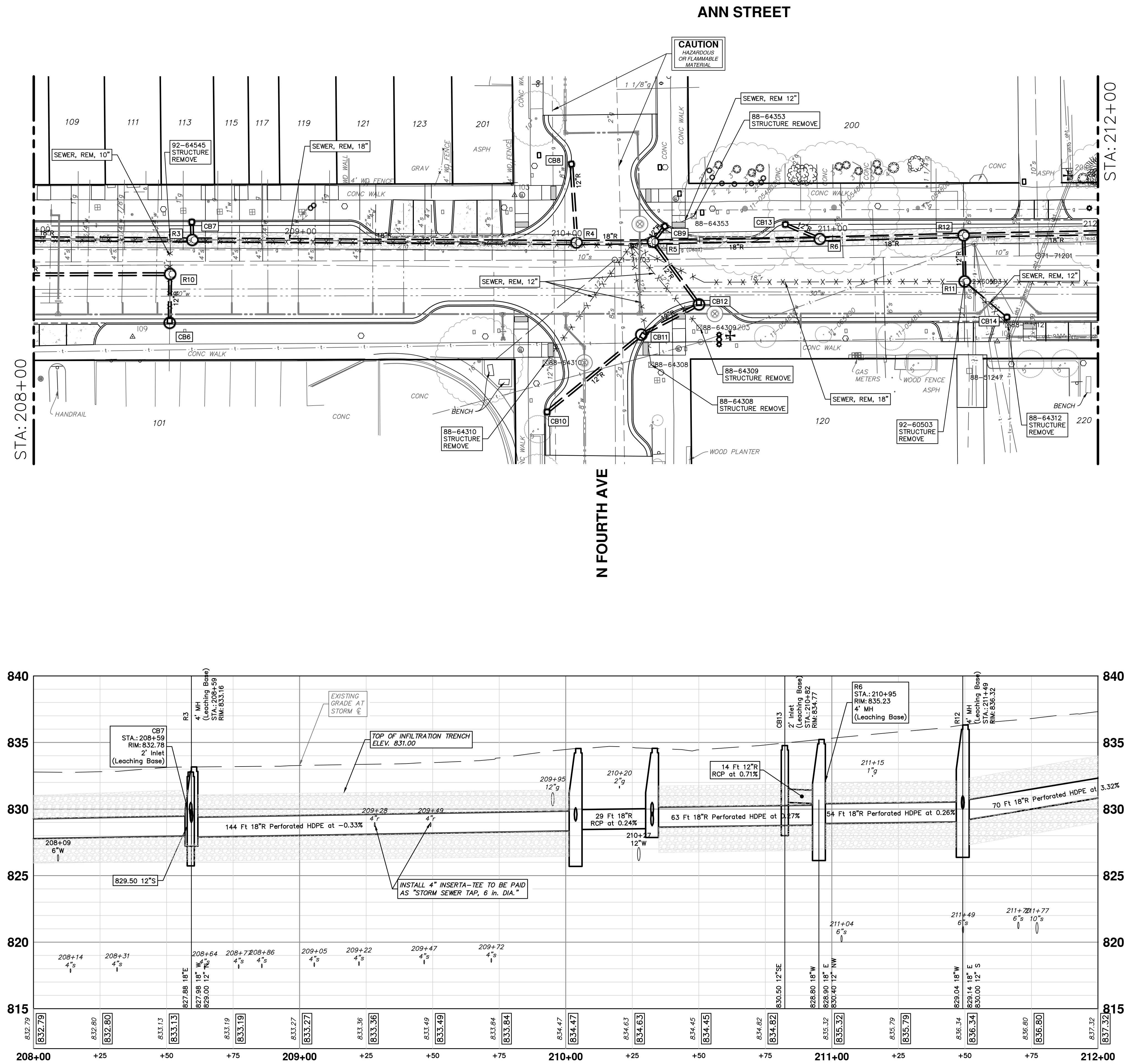
00	BID SET	12-17-2025	SM	CE	
REV.	DESCRIPTION	DATE	DRAWN	CHECKED	



STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
88-057788	203+55	EX INLET – REPLACE COVER	826.02	12" S 822.89 12" W 821.89 12" S 821.90	4.13	0.00'
CB19	203+59	2' Inlet (Leaching Base)	825.48	12" SW 820.71	6.76	2.00'
CB20	203+72	2' Inlet (Leaching Base)	826.15	12" S 821.65	6.50	2.00'
R13	203+54	5' MH	825.34	24" W 818.19 12" NE 820.68 24" E 818.19	7.15	0.00'
R14	203+27	4' MH	824.88	12" E 821.34 12" N 820.75 12" W 820.98	6.13	2.00'







STORM SEWER STRUCTURE TABLE						
STRUCTURE	UTILITY STATION	TYPE	RIM	INVERTS	DEPTH (Feet)	SUMP
CB6	208+51	4' Inlet	833.22	12" N 826.80 10" S 826.87	6.42	0.00'
CB7	208+59	2' Inlet (Leaching Base)	832.78	12" S 829.50	6.55	2.00'
CB8	210+02	2' Inlet (Leaching Base)	834.14	12" S 829.50	6.64	2.00'
CB9	210+37	2' Inlet (Leaching Base)	834.28	12" SW 830.00	6.28	2.00'
CB10	209+93	2' Inlet (Leaching Base)	834.23	12" NE 829.87	6.36	2.00'
CB11	210+27	4' Inlet	834.79	12" SW 829.70 12" NE 829.60	7.19	2.00'
CB12	210+49	4' Inlet	834.77	12" SW 829.10 12" NW 829.00	7.77	2.00'
CB13	210+82	2' Inlet (Leaching Base)	834.77	12" SE 830.50	6.27	2.00'
CB14	211+65	2' Inlet (Leaching Base)	836.15	12" NW 830.52	7.63	2.00'
R3	208+59	4' MH (Leaching Base)	833.16	18" W 827.98 12" N 829.00 18" E 827.88	5.28	0.00'
R4	210+04	4' MH (Leaching Base)	834.55	18" W 828.36 18" E 828.46 12" N 829.10	8.19	2.00'
R5	210+32	6' MH w/ WEIR T/WEIR 829.0	834.56	12" NE 829.50 18" E 828.63 12" SE 828.75 18" W 828.53	6.03	0.00'
R6	210+95	4' MH (Leaching Base)	835.23	18" E 828.90 12" NW 830.40 18" W 828.80	8.43	2.00'
R10	208+51	4' MH	833.41	12" W 826.59 12" S 826.69	8.82	2.00'
R11	211+49	5' MH	836.64	12" N 830.21 12" SE 830.31 12" S 830.41	8.43	2.00'
R12	211+49	4' MH (Leaching Base)	836.32	18" E 829.14 12" S 830.00 18" W 829.04	9.28	2.00'

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL DIVISIONS OF WORK.
2. CONTRACTOR SHALL FAMILIARIZE HIMSELF/HERSELF WITH THE PROJECT SITE PRIOR TO BIDDING THE WORK.
3. THE BASE MAPPING/SURVEY WAS PROVIDED BY _____. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WITH WORK.
4. CONTACT MISS DIG AT 811 OR (800) 482-7171 AND ALL LOCAL UTILITY SERVICES FOR UTILITY LOCATIONS PRIOR TO COMMENCING WITH WORK.
5. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO COMMENCING WITH WORK.
6. THE CONTRACTOR SHALL COORDINATE ALL WORK AND BE RESPONSIBLE FOR ALL METHODS, MEANS, SEQUENCE AND PROCEDURES OF WORK.
7. CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY MEASURES DURING CONSTRUCTION OPERATIONS TO PROTECT THE PUBLIC ACCORDING TO ALL APPLICABLE CODES AND RECOGNIZED LOCAL PRACTICES.
8. CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THE DRAWINGS AS WELL AS ANY DISCOVERED DURING THE CONSTRUCTION PROCESS.
9. CONTRACTOR SHALL COORDINATE ACCESS AND STAGING AREAS WITH THE OWNER'S REPRESENTATIVE.
10. THE LIMIT OF CONSTRUCTION LINE SHOWN DEFINES THE LIMITS OF WORK IN THIS CONTRACT. THERE MAY BE INSTANCES WHERE EROSION PROTECTION DEVICES AND UTILITY SYSTEMS EXTEND BEYOND THE PROJECT LIMITS LINE IN ORDER TO SUCCESSFULLY COMPLETE OPERATIONS AND/OR TIE INTO ADJACENT SYSTEMS.
11. THE CONTRACTOR SHALL KEEP ALL DRAINAGE FACILITIES AFFECTED BY HIS CONSTRUCTION OPERATIONS CLEAN AND FULLY OPERATIONAL AT ALL TIMES.
12. MAINTAIN ALL EXISTING EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCE, ORANGE GEO FENCE AND/OR OTHER MEASURES) DURING CONSTRUCTION. PROVIDE ADDITIONAL MEASURES AS NECESSARY TO MINIMIZE ADVERSE IMPACTS TO THE ADJACENT WATER BODIES, SURFACES AND STORM SEWERS ACCORDING TO ALL APPLICABLE FEDERAL/STATE LAWS AND REGULATIONS.
13. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WITH WORK. NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCY BETWEEN THE PLANS AND ACTUAL SITE CONDITIONS. NO WORK SHALL BE DONE IN AREAS WHERE SUCH DISCREPANCIES EXIST. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
14. REPORT ALL EXISTING DAMAGE OF EXISTING SITE IMPROVEMENTS TO THE OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUBSEQUENT DAMAGE.
15. CONTRACTOR SHALL PROTECT, BY WHATEVER MEANS NECESSARY, THE EXISTING SITE IMPROVEMENTS TO REMAIN. ALL DAMAGED ITEMS SHALL BE REPLACED OR REPAIRED AT NO ADDITIONAL COST TO THE OWNER. NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY IF ANY DAMAGE OCCURS.
16. IN ADDITION TO REQUIREMENTS SET FORTH BY THE CITY OF ANN ARBOR REGARDING CRITICAL ROOT ZONES, ALL AREAS WITHIN THE DRIP-LINES OF EXISTING TREES SHALL REMAIN FREE OF CONSTRUCTION MATERIALS, DEBRIS, VEHICLES AND FOOT TRAFFIC AT ALL TIMES. CONTRACTOR SHALL PROVIDE TEMPORARY FENCING, BARRICADES AND/OR OTHER SUITABLE GUARDS OUTSIDE DRIP LINE (OUTSIDE PERIMETER OF BRANCHES) TO PROTECT TREES AND PLANT MATERIAL TO REMAIN. NO WORK SHALL BE PERFORMED WITHIN THE DRIP-LINE OF EXISTING TREES UNLESS INDICATED. ALL WORK INDICATED TO BE PERFORMED WITHIN THE DRIP-LINE OF TREES SHALL BE DONE BY HAND AND CARE SHALL BE TAKEN TO MINIMIZE DISTURBANCE TO THE TREE ROOTS.
17. CONTRACTORS SHALL COORDINATE ALL WORK WITH RELATED TRADES AND THE GENERAL CONSTRUCTION OF THE PROJECT SO AS NOT TO IMPEDE THE PROGRESS OF THE WORK OF OTHERS OR THE CONTRACTORS OWN WORK.
18. EACH CONTRACTOR SHALL VERIFY THE CONDITION AND COMPLETENESS OF ALL WORK PERFORMED BY OTHERS IN RELATION TO HIS/HER PROJECT WORK RESPONSIBILITIES INCLUDING THE CHECKING OF EXISTING ELEVATIONS OR STRUCTURES PRIOR TO INITIATING CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE IF ANY SITE CONDITIONS ARE INCOMPLETE, MISSING OR DAMAGED.
19. ALL CONSTRUCTION DEBRIS AND REMOVED ITEMS SHALL BE DISPOSED OF LEGALLY OFF-SITE UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
20. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS IN ADVANCE OF ANY PLANNED UTILITY INTERRUPTION.
21. CONTRACTOR SHALL CLEAN THE WORK AREAS AT THE END OF EACH WORKING DAY. ALL MATERIALS, PRODUCTS AND EQUIPMENT SHALL BE STORED IN AN ORGANIZED FASHION.
22. THE PLANS ASSUME THAT THE LAYOUT AND STAKING WILL BE ACCOMPLISHED USING TOTAL STATIONING / DIGITAL METHODS. ANY INFORMATION PROVIDED IS INTENDED TO SUPPORT INFORMATION ALREADY CONTAINED IN CAD FILES USED FOR DOCUMENTING LAYOUT AND STAKING. CAD FILES DELINEATING ALL GRADING AND HARDSCAPE ELEMENTS SHOWN IN THESE PLANS CAN BE PROVIDED TO THE CONTRACTOR UPON REQUEST.
23. CONTRACTOR SHALL EMPLOY SKILLED PERSONNEL AND USE EQUIPMENT NECESSARY TO ENSURE THAT ALL WORK IS PROFESSIONALLY AND PROPERLY INSTALLED AND IN FULL COMPLIANCE WITH THE PLANS AND DETAILS.
24. CONTRACTOR SHALL COMPLY WITH STATE AND LOCAL LAWS AND REGULATIONS REGARDING NOTIFICATION OF EXISTING GAS AND OIL PIPELINE COMPANY OWNERS. EVIDENCE OF SUCH NOTICE SHALL BE FURNISHED TO THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WITH WORK.

PLANTING NOTES

1. STAKE ALL BED LINES AND TREE LOCATIONS FOR THE LANDSCAPE ARCHITECT'S REVIEW PRIOR TO INSTALLATION. ALL PLANTING PROCEDURES ARE SUBJECT TO THE REVIEW OF THE LANDSCAPE ARCHITECT AND THE CONTRACTOR SHALL CORRECT ANY DEFICIENCIES FOUND AT NO ADDITIONAL COST TO THE OWNER.
2. SECURE PLANT MATERIAL AS SPECIFIED ON PLANS. IN THE EVENT THAT PLANT MATERIALS SPECIFIED ARE NOT AVAILABLE, CONTACT LANDSCAPE ARCHITECT FOR APPROVED SUBSTITUTIONS. NO SUBSTITUTIONS FOR PLANT MATERIALS WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT.
3. PLANT LISTS ARE PROVIDED FOR CONTRACTOR CONVENIENCE ONLY; QUANTITIES ON PLAN WILL GOVERN.
4. VERIFY THAT ALL PLANTING PRODUCTS, PLANT MATERIAL, AND PLANT QUANTITIES DELIVERED TO THE SITE MATCH WHAT IS INDICATED ON THE PLANS AND SPECIFICATIONS.
5. PROTECT ALL PLANT MATERIAL DURING DELIVERY TO PREVENT DAMAGE TO ROOT BALLS, TRUNKS, BRANCHES AND THE DESICCATION OF LEAVES. PROTECT ALL PLANT MATERIAL DURING SHIPPING WITH SHADE CLOTH OR SHIP WITH ENCLOSED TRANSPORT. MAINTAIN PROTECTIONS AND HEALTH OF PLANT MATERIAL STORED ON SITE. HANDLE ALL TREES WITH NYLON STRAPS. NO CHAINS OR CABLES WILL BE ALLOWED. REMOVE UNACCEPTABLE PLANT MATERIAL IMMEDIATELY FROM THE SITE.
6. ALL PLANT MATERIAL SHALL BE NURSERY GROWN, WELL FORMED, TRUE TO SPECIES, HARDENED OFF WITH VIGOROUS ROOT SYSTEMS, FULL CROWN AND CANOPIES, AND FREE FROM DISEASE, PESTS AND INSECTS, AND DEFECTS SUCH AS KNOTS, SUN SCALD, WINDBURN, LEAF DIS-COLORATION, IRREGULAR BRANCHING OR JUNCTIONS.
7. ALL PLANT HEIGHTS, SPREADS, CONTAINER SIZES, AND ROOT BALLS SIZES SHALL CONFORM TO THE SIZE STANDARDS SET FORTH IN ANSI Z-60.1 "AMERICAN STANDARDS FOR NURSERY STOCK".
8. ALL PLANT MATERIAL DELIVERED TO THE SITE IS SUBJECT TO THE REVIEW OF THE LANDSCAPE ARCHITECT BEFORE, DURING AND AFTER INSTALLATION.

PLANTING NOTES (cont.)

9. PROVIDE PLANT SAMPLES OR PHOTOGRAPHS OF EACH PLANT SPECIFIED TO THE LANDSCAPE ARCHITECT FOR COMPLIANCE REVIEW PRIOR TO INSTALLATION.
10. TEST FILL ALL TREE AND PLANTING PITS WITH WATER, PRIOR TO PLANTING, TO ASSURE PROPER SOIL PERCOLATION. PITS WHICH DO NOT ADEQUATELY DRAIN SHALL BE FURTHER EXCAVATED TO A DEPTH SUFFICIENT FOR DRAINAGE TO OCCUR AND/OR BACKFILLED WITH SUITABLE DRAINAGE GRAVEL. NO ALLOWANCES SHALL BE MADE FOR PLANT MATERIAL LOSS DUE TO IMPROPER DRAINAGE. CONTRACTOR SHALL REPLACE LOST PLANT MATERIAL WITH SAME SIZE AND SPECIES AT NO ADDITIONAL COST TO OWNER.
11. ALL PLANT MATERIALS, INCLUDING RELOCATED PLANT MATERIAL, SHALL BE PLANTED IN A PROFESSIONAL MANNER TYPICAL TO THE INDUSTRY STANDARDS OF THE AREA TO ASSURE COMPLETE SURVIVABILITY OF ALL INSTALLED PLANT MATERIALS AS WELL AS TO PROVIDE AN AESTHETICALLY APPROVED PROJECT. CONTRACTOR SHALL REFER TO THE PLANTING DETAILS FOR MINIMUM SIZE AND WIDTH OF PLANTING PITS AND BEDS, GUYING AND STAKING, MULCHING, AND OTHER PLANTING REQUIREMENTS.
12. NO PLANTS SHALL BE PLANTED WITH IN A 2'-0" RADIUS (CLEARANCE ZONE) AROUND ALL ATRIUM DRAINS LOCATED IN LANDSCAPE BEDS. CONTRACTOR SHALL MULCH AREA AROUND ALL ATRIUM DRAINS LOCATED IN LANDSCAPE BEDS. REFER TO ENGINEERING DRAWINGS FOR ALL DRAIN LOCATIONS.
13. LAWN AREAS TO PROVIDE A SMOOTH AND CONTINUAL GRADE.
14. PLANTING BEDS SHALL HAVE A MINIMUM OF 3" DEPTH SHREDDED HARDWOOD MULCH, UNLESS OTHERWISE INDICATED.
15. ALL PLANTING AREAS SHALL BE WEED FREE PRIOR TO PLANTING INSTALLATION.
16. REMOVE ALL PLANTING AND LANDSCAPE DEBRIS FROM THE PROJECT SITE AND SWEEP AND WASH CLEAN ALL PAVED AND FINISHED SURFACES AFFECTED BY THE LANDSCAPE INSTALLATION.
17. REFER TO GENERAL PROJECT NOTES FOR ADDITIONAL INSTRUCTIONS.
18. FOR RESTORATION ZONE AREAS, FALL IS THE PREFERRED PLANTING TIME FOR PERENNIAL PLUGS, TREE WHIPS AND STAKES. PLUGS AND TREE WHIPS/STAKES SHOULD BE PLANTED AT THE SAME TIME.
19. ENSURE PROPER BROWSE PROTECTION IS IMPLEMENTED IN RESOTRATION ZONE AREAS, SO AS TO MINIMIZE BROWSING OF TREE WHIPS, STAKES AND PLUGS BY DEER, WATER FOWL AND ANY OTHER ANIMALS. FOR TREES, USE BLUE TUBES THAT ARE ZIP TIED, LEAVING A FEW INCHES EXPOSED ABOVE THE TUBE.

LANDSCAPE MAINTENANCE NOTES

1. ALL TREES SHALL RECEIVE ENGINEER-APPROVED SELF-WATERING DEVICE(S) SIZED PER MANUFACTURER'S WATERING SPECIFICATION CHART.
 - 1.1. SLOW RELEASE WATERING DEVICE: STANDARD PRODUCT MANUFACTURED FOR DRIP IRRIGATION OF PLANTS AND EMPTYING ITS WATER CONTENTS OVER AN EXTENDED PERIOD OF TIME; MANUFACTURED FROM UV-LIGHT-STABILIZED NYLON-REINFORCED POLYETHYLENE SHEET, PVC, OR HDPE PLASTIC.
 - 1.1.1. TREEDIAPER® - TD36R BY ZYNNOVATION LLC, ASHLAND, VA 23005, TEL.: (540)-300-1465.
 - 1.1.2. TREEGATOR® ORIGINAL, 15-GALLON CAPACITY, BY SPECTRUM PRODUCTS, INC., YOUNGSVILLE, NC 27596, TEL.: 1-866-873-3428.
 - 1.1.3. OR APPROVED EQUIVALENT
2. ALL SELF-WATERING DEVICES SHALL BE MAINTAINED BY THE CONTRACTOR DURING THE FULL LENGTH OF THE ESTABLISHMENT PERIOD PER MANUFACTURER'S RECOMMENDATION.

MITIGATION NOTES

1. REFER TO REMOVAL PLANS
2. REFER TO STREET TREE REMOVAL PLAN - OVERALL FOR STREET TREE REMOVAL INFORMATION
3. REFER TO PLANTING PLANS FOR STREET TREE REPLACEMENT INFORMATION
4. A REPLACEMENT TREE OR A COMBINATION OF TREES OF A SPECIES NATIVE TO MICHIGAN SHALL BE PROVIDED TO EQUAL A MINIMUM OF 50% OF THE ORIGINAL DBH FOR EACH LANDMARK TREE THAT IS REMOVED.
5. REPLACEMENT TREES SHALL BE NON-STERILE VARIETIES.
6. THE MINIMUM SIZE OF DECIDUOUS REPLACEMENT TREE SHALL BE ONE INCH CALIPER.
7. THE MINIMUM SIZE OF AN EVERGREEN REPLACEMENT TREE SHALL BE FIVE FEET IN HEIGHT.
8. IF MORE THAN 20 REPLACEMENT TREES ARE REQUIRED, A MIXTURE OF THREE OR MORE SPECIES MUST BE USED.
9. A REPLACEMENT TREE OR A COMBINATION OF TREES OF A SPECIES NATIVE TO MICHIGAN SHALL BE PROVIDED TO EQUAL A MINIMUM OF 200% OF THE ORIGINAL DBH FOR EACH LANDMARK TREE THAT IS REMOVED WITHOUT THE APPROVAL REQUIRED BY THE CITY OF ANN ARBOR.

MITIGATION DATA

LANDMARK TREES REMOVED	= 0
NON-LANDMARK TREES REMOVED	= 18
<u>TOTAL TREES REMOVED</u>	<u>= 18</u>

LANDMARK TREES REMOVED DBH INCHES	= 0
NON-LANDMARK TREES REMOVED DBH INCHES	= 106
<u>TOTAL TREES REMOVED DBH INCHES</u>	<u>= 106</u>

LANDMARK TREES REQUIRED REPLACEMENT INCHES	= 0
NON-LANDMARK TREES REQUIRED REPLACEMENT INCHES	= 0
TOTAL REQUIRED REPLACEMENT INCHES	= 0

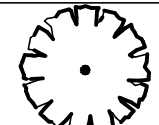
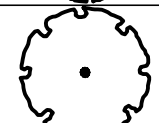
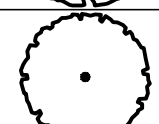
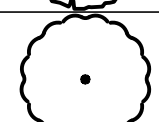
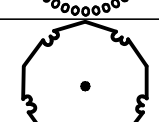
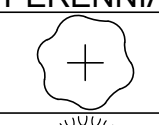
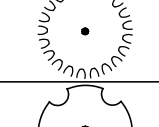
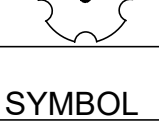

STREET TREES PROVIDED	= 22
STREET TREES PROVIDED CALIPER INCHES	= 66

LANDSCAPE KEY	
KEY	DESCRIPTION
TL	INSTALL TREE, LARGE, B&B
PPL	INSTALL PLANT, PLUG
PG-1	INSTALL PLANT, GAL, #1
PG-3	INSTALL PLANT, GAL, #3
TR	TURF RESTORATION
PSM	DDA PLANTING SOIL AND MULCH
MUL	DDA MULCH

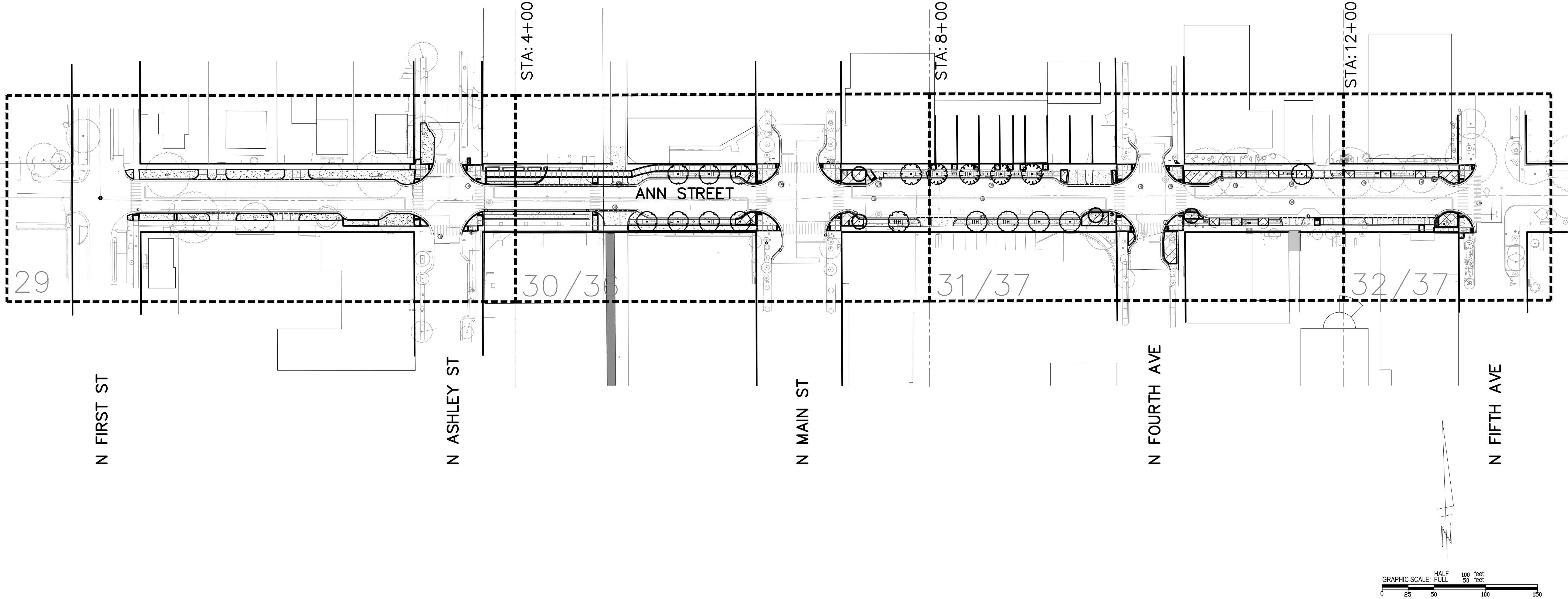
A circular stamp with a dashed border. Inside the circle, the text "PRELIMINARY - NOT FOR CONSTRUCTION" is written in a bold, sans-serif font, oriented diagonally from the top-left to the bottom-right.



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PLANT SCHEDULE									
	SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER		REMARKS
	TREES								
<div>TL</div>		AR	4	AESCULUS X CARNEA	RED HORSECHESTNUT	3" CAL.	B&B		CLEAR BRANCHING 6 FT. PLANT AS SHOWN.
<div>TL</div>		GB	2	GINKGO BILOBA	MAIDENHAIR TREE	3" CAL.	B&B		CLEAR BRANCHING 6 FT. PLANT AS SHOWN.
<div>TL</div>		GI	1	GLEDITSIA TRIACANTHOS INERMIS	THORNLESS HONEY LOCUST	3" CAL.	B&B		CLEAR BRANCHING 6 FT. PLANT AS SHOWN.
<div>TL</div>		NS	4	NYSSA SYLVATICA	TUPELO	3" CAL.	B&B		CLEAR BRANCHING 6 FT. PLANT AS SHOWN.
<div>TL</div>		SR	4	SYRINGA RETICULATA	JAPANESE TREE LILAC	3" CAL.	B&B		CLEAR BRANCHING 6 FT. PLANT AS SHOWN.
<div>TL</div>		ZS	7	ZELKOVA SERRATA	JAPANESE ZELKOVA	3" CAL.	B&B		CLEAR BRANCHING 6 FT. PLANT AS SHOWN.
	PERENNIALS								
<div>PG-1</div>		CA2	102	COREOPSIS AURICULATA 'NANA'	DWARF LOBED TICKSEED	1 GAL.	CONT.		PLANT AS SHOWN
<div>PG-1</div>		ES	94	ERAGROSTIS SPECTABILIS	PURPLE LOVEGRASS	1 GAL.	CONT.		PLANT AS SHOWN.
<div>PG-1</div>		MP	102	MONARDA X 'PETITE DELIGHT'	PETITE DELIGHT BEE BALM	1 GAL.	CONT.		PLANT AS SHOWN.
	SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS
	PERENNIAL AREAS								
<div>PG-1</div>		GE	198	GERANIUM MACULATUM 'ESPRESSO'	SPOTTED GERANIUM	1 GAL.	CONT.	12" o.c.	
<div>PG-1</div>		PW2	650	PHLOX DIVARICATA	WOODLAND PHLOX	1 GAL.	CONT.	12" o.c.	

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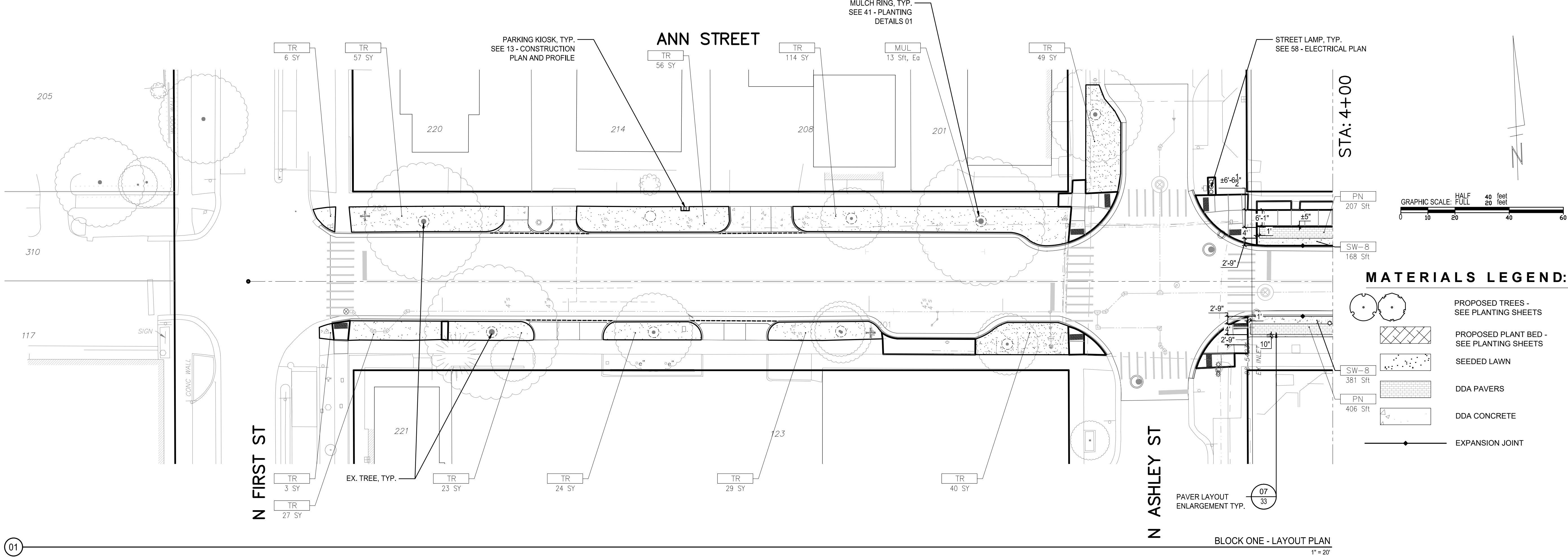
Know what's below.
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SCALE: 1" = 50'

CITY OF ANN ARBOR – PUBLIC SERVICES – ENGINEERING		CITY OF ANN ARBOR PUBLIC SERVICES 301 EAST HURON STREET ANN ARBOR, MI 48107-0847 ANN ARBOR 734-784-8410 www.a2gov.org																		 <p>Know what's below. Call before you dig.</p>	
ANN STREET IMPROVEMENTS		ANN ARBOR CITY ENGINEER																			
LANDSCAPE LAYOUT PLAN – OVERALL																					
SHEET No.		DRAWING No.		DATE		REV.		DESCRIPTION		DATE		SM		CE		CHECKED					
28 OF 65		2022-025-28		12-17-2025		00		BID SET		12-17-2025		SM		CE		DRAWN					

P:\0000_0100\0028220080_Ann_St-Washington_Ave_WML_Designs\Drawings\PLAN\UD\Sheet\220080_LAY_02.dwg Dwg Created: 31-Oct-25 - cfm.ctb - Plot Date: 16-Dec-25



PRELIMINARY - NOT FOR CONSTRUCTION






LANDSCAPE KEY	
KEY	DESCRIPTION
SW-4	PLACE SIDEWALK, CONC, 4 INCH, MODIFIED
SW-6	PLACE SIDEWALK, CONC, 6 INCH
SW-8	PLACE SIDEWALK, CONC, 8 INCH
PN	PLACE BRICK PAVERS, NEW
	PLACE PERFORATED CONCRETE BASE, 6 INCH
TG	TREE GRATE, 4 FT X 8 FT
PC	DDA PLANTER CURB
PC-T	DDA PLANTER CURB, TAPERED
PSM	PLANTING SOIL AND MULCH
MUL	DDA MULCH
JC	JOINT, CONTRACTION, 1/4 INCH
JE	JOINT, EXPANSION, SEALED, 1/2 INCH
JE75	JOINT, EXPANSION,SEALED, 3/4 INCH
BH	BIKE HOOP, SURFACE MOUNTED
TRA	TRASH RECEPTACLE
UB	URBAN BENCH
TR	TURF RESTORATION

A circular stamp with a dashed border. Inside the circle, the text "PRELIMINARY - NOT FOR CONSTRUCTION" is written in a bold, sans-serif font, oriented diagonally from the top-left to the bottom-right.



Know what's below.
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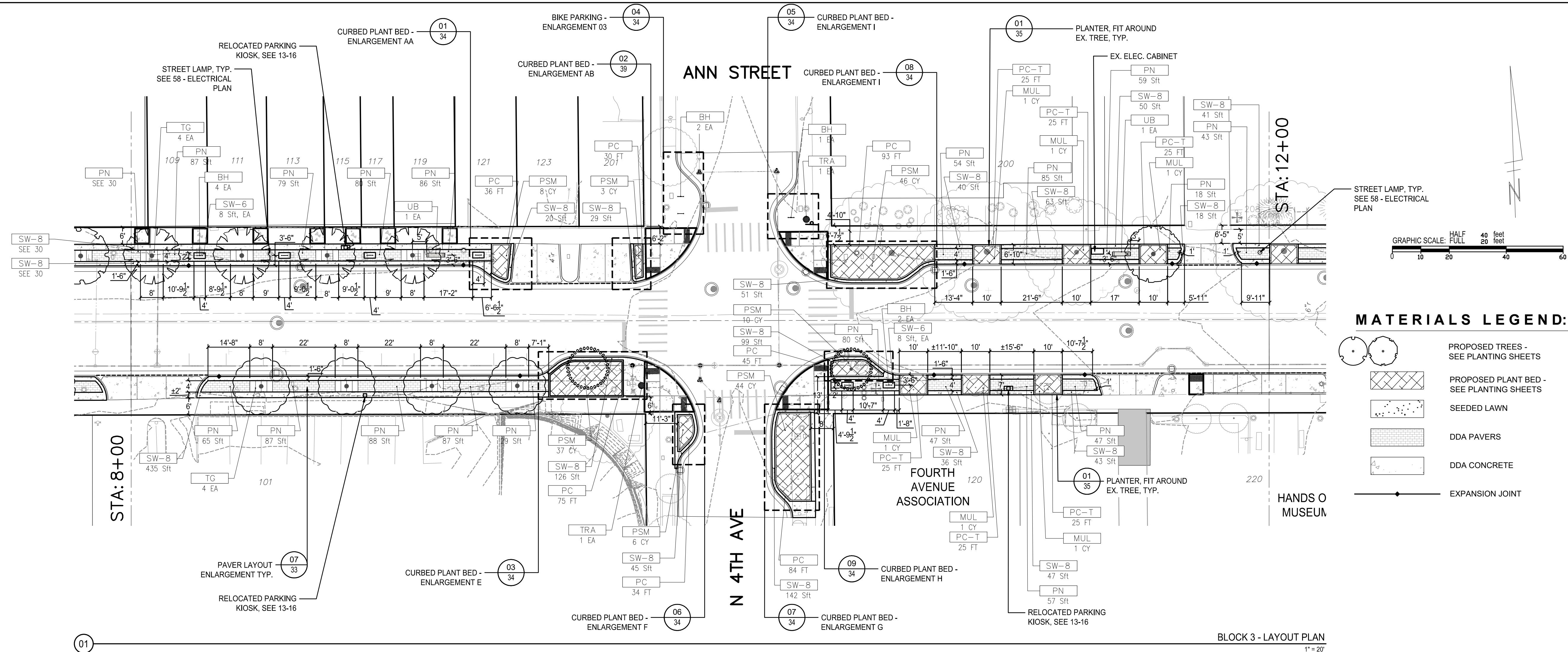
REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-16-2025	SM	CE



Know what's below.
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LANDSCAPE KEY	
KEY	DESCRIPTION
SW-4	PLACE SIDEWALK, CONC, 4 INCH, MODIFIED
SW-6	PLACE SIDEWALK, CONC, 6 INCH
SW-8	PLACE SIDEWALK, CONC, 8 INCH
PN	PLACE PERFORATED PAVERS, NEW
	PLACE BRICKED CONCRETE BASE, 6 INCH
TG	TREE GRATE, 4 FT X 8 FT
PC	DDA PLANTER CURB
PC-T	DDA PLANTER CURB, TAPERED
PSM	PLANTING SOIL AND MULCH
MUL	DDA MULCH
JC	JOINT, CONTRACTION, 1/4 INCH
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JE75	JOINT, EXPANSION, SEALED, 3/4 INCH
BH	BIKE HOOP, SURFACE MOUNTED
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TR	TURF RESTORATION

A circular stamp with a dashed border. Inside the circle, the text "PRELIMINARY - NOT FOR CONSTRUCTION" is written in a bold, sans-serif font, oriented diagonally from the top-left to the bottom-right.



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00	BID SET	12-18-2025	SM	CE



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STA: 16+00

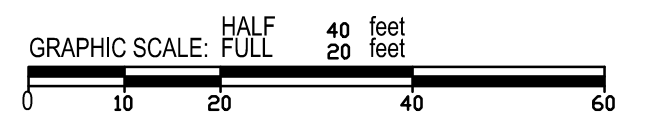


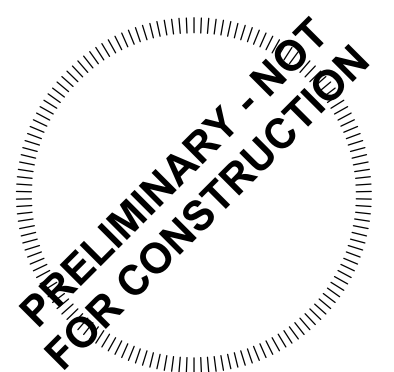
Diagram showing the layout of the garden area with various materials and features:

- PROPOSED TREES - SEE PLANTING SHEETS
- PROPOSED PLANT BED - SEE PLANTING SHEETS
- SEEDED LAWN
- DDA PAVERS
- DDA CONCRETE
- EXPANSION JOINT

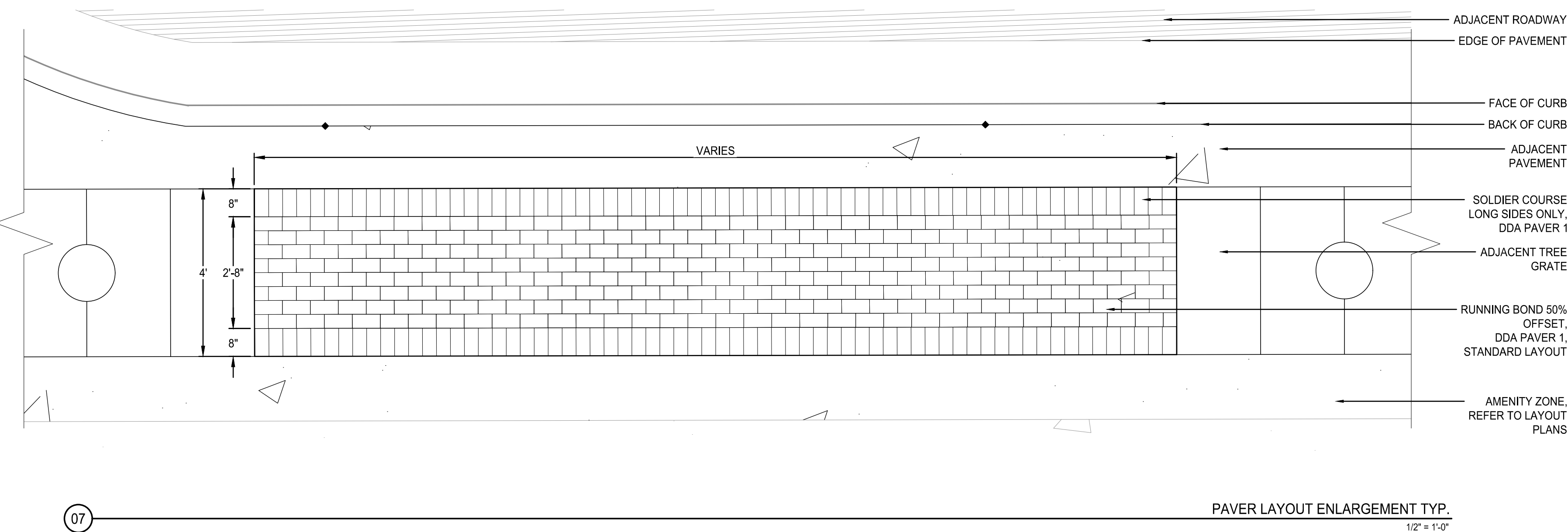
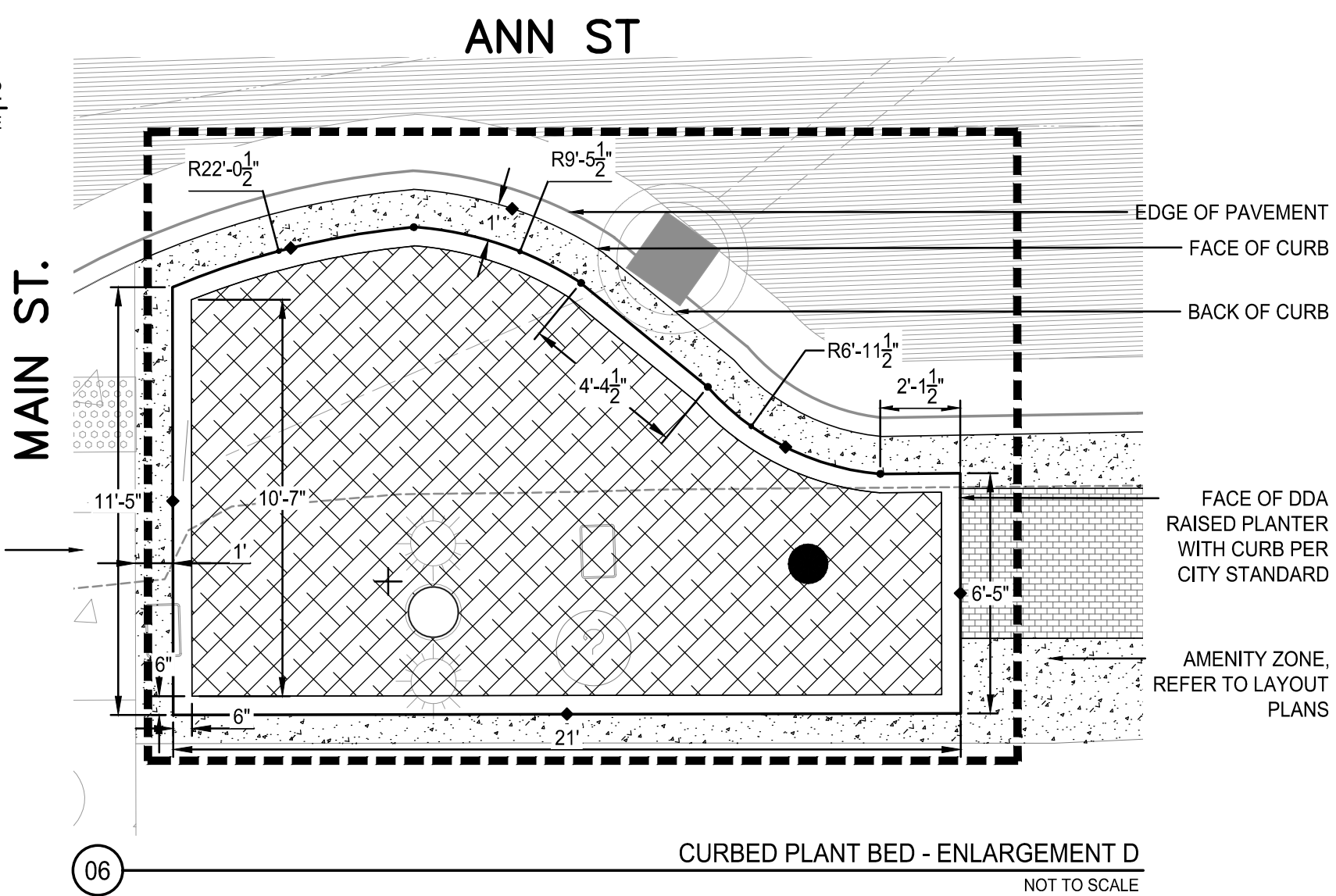
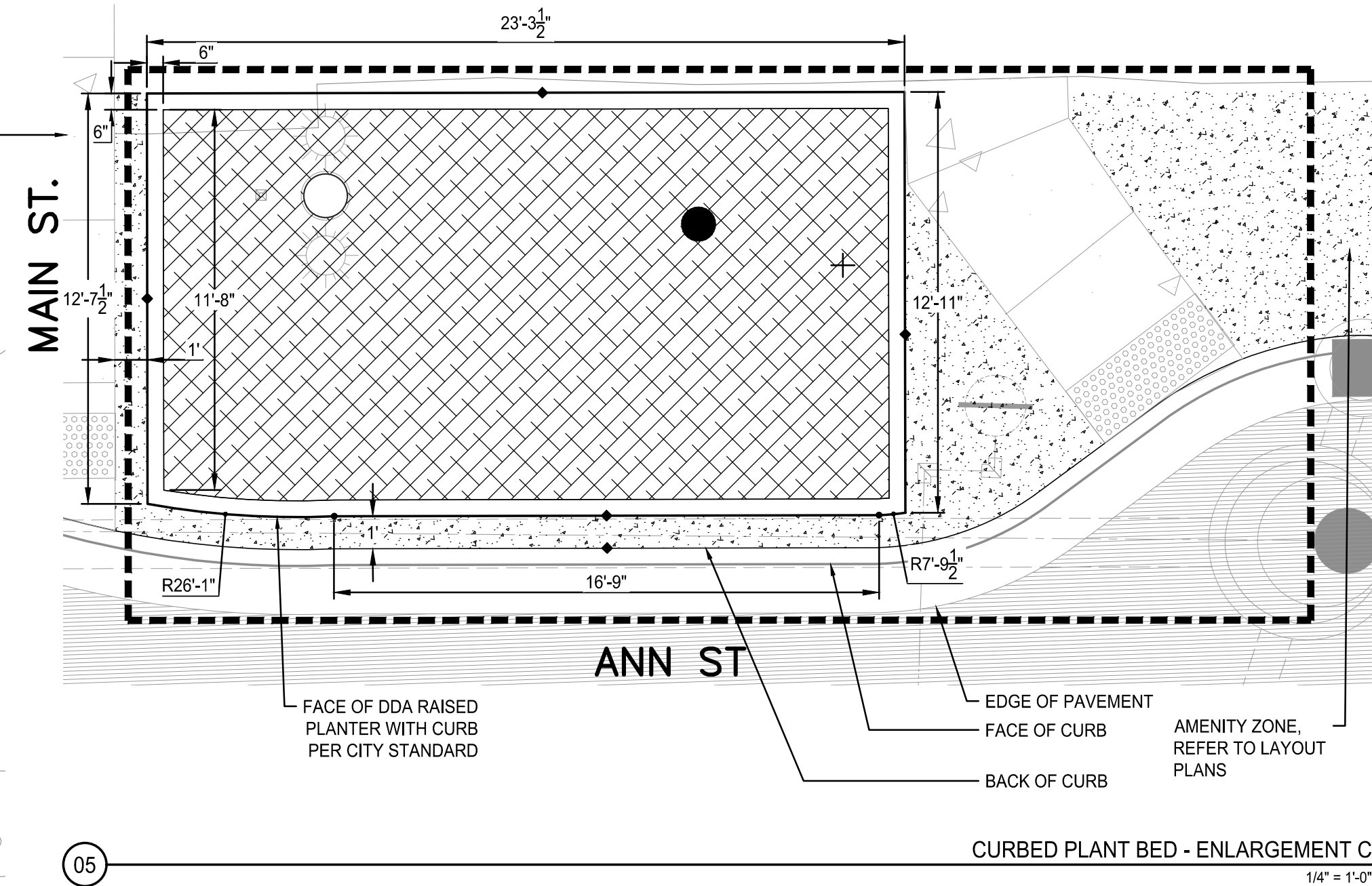
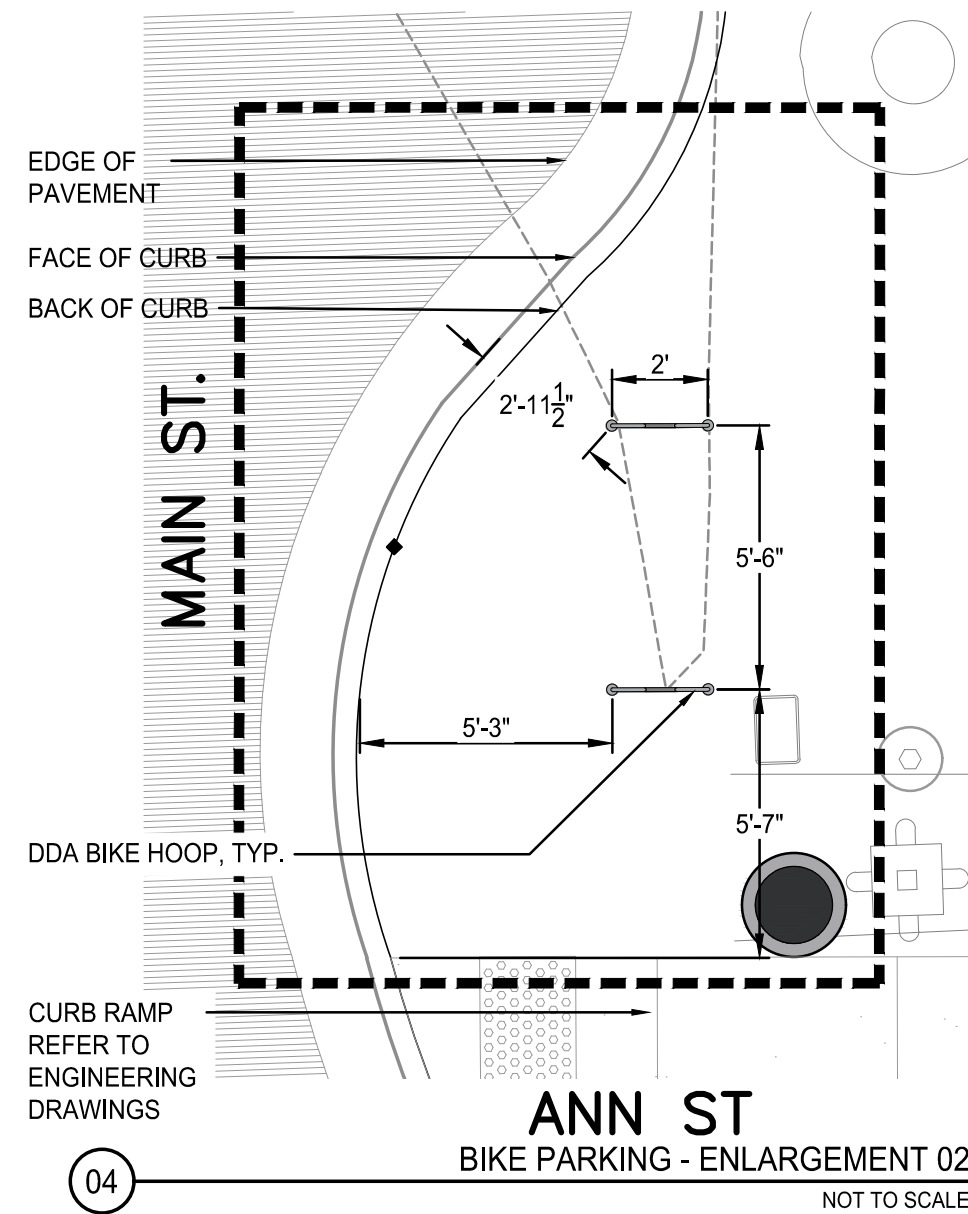
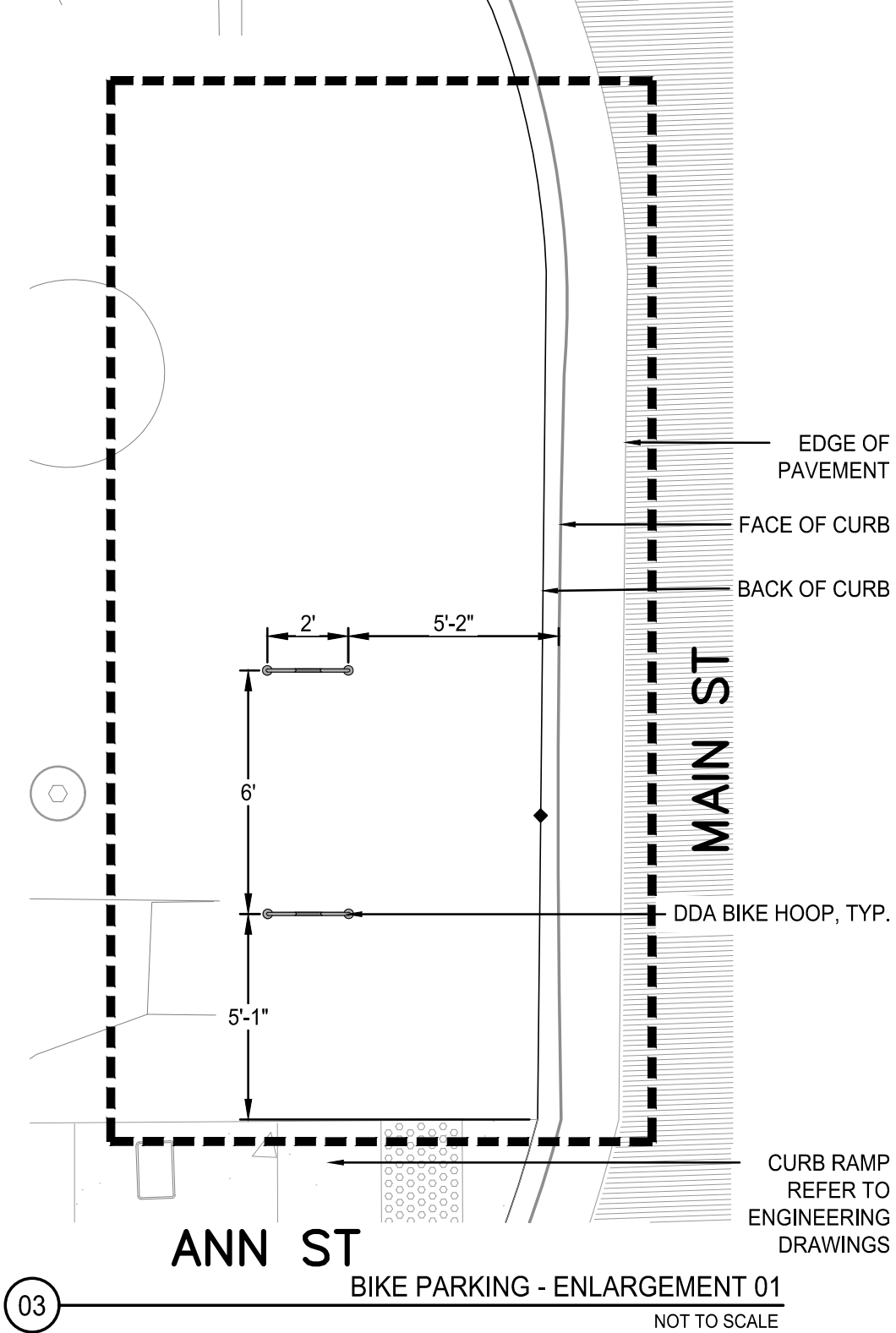
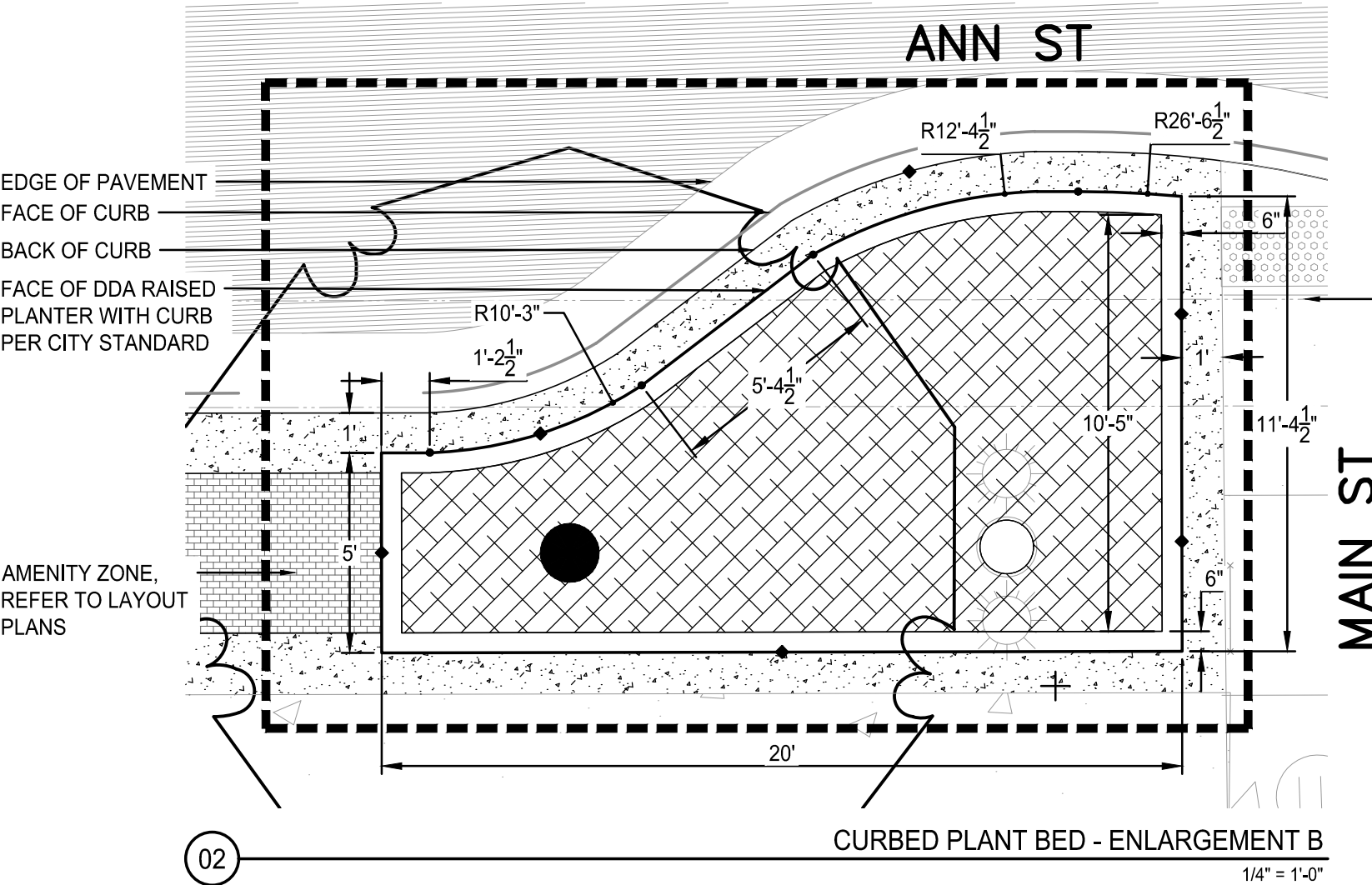
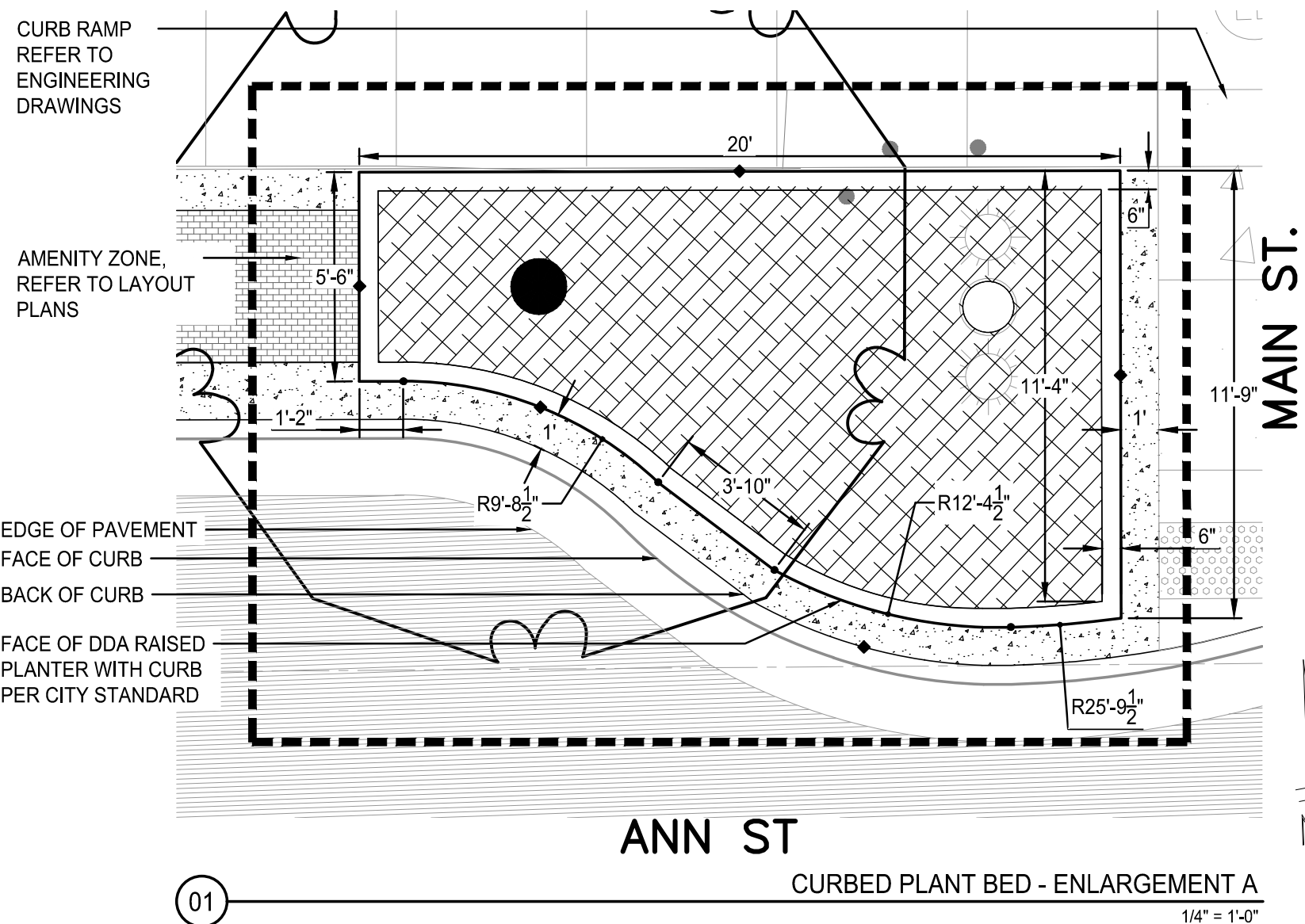
BLOCK FOUR - LAYOUT PLAN

1" = 20'

LANDSCAPE KEY	
KEY	DESCRIPTION
SW-4	PLACE SIDEWALK, CONC, 4 INCH, MODIFIED
SW-6	PLACE SIDEWALK, CONC, 6 INCH
SW-8	PLACE SIDEWALK, CONC, 8 INCH
PN	PLACE BRICK PAVERS, NEW
	PLACE PERFORATED CONCRETE BASE, 6 INCH
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JE75	JOINT, EXPANSION,SEALED, 3/4 INCH
BH	BIKE HOOP, SURFACE MOUNTED
TRA	TRASH RECEPTACLE
UB	URBAN BENCH
TR	TURF RESTORATION



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LAYOUT LEGEND:

- POINT OF CURVATURE
- CONTROL JOINT
- EXPANSION JOINT

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DESCRIPTION

ANN STREET IMPROVEMENTS

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

ANN STREET IMPROVEMENTS

LAYOUT ENLARGEMENTS -----

SCALE

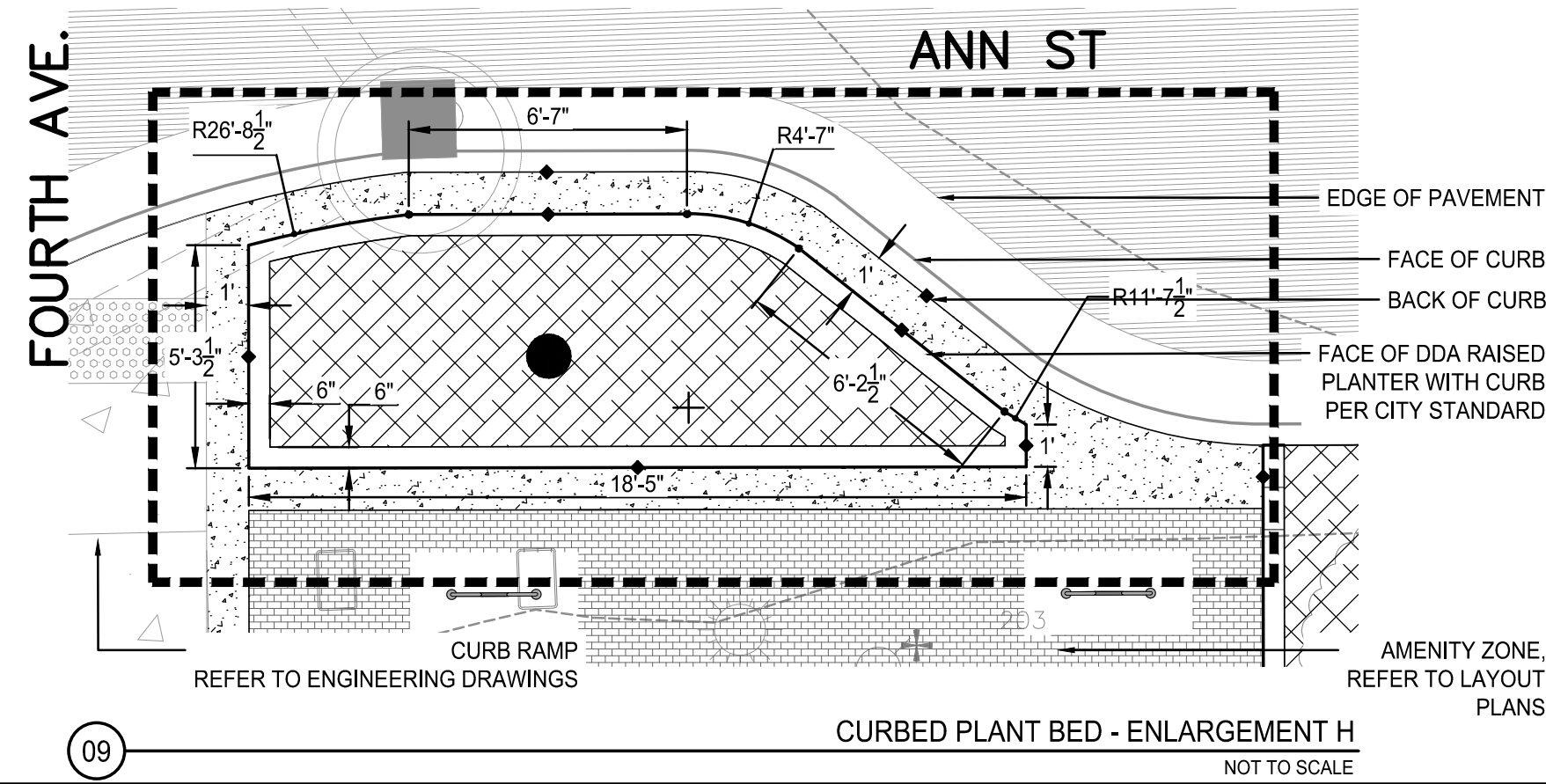
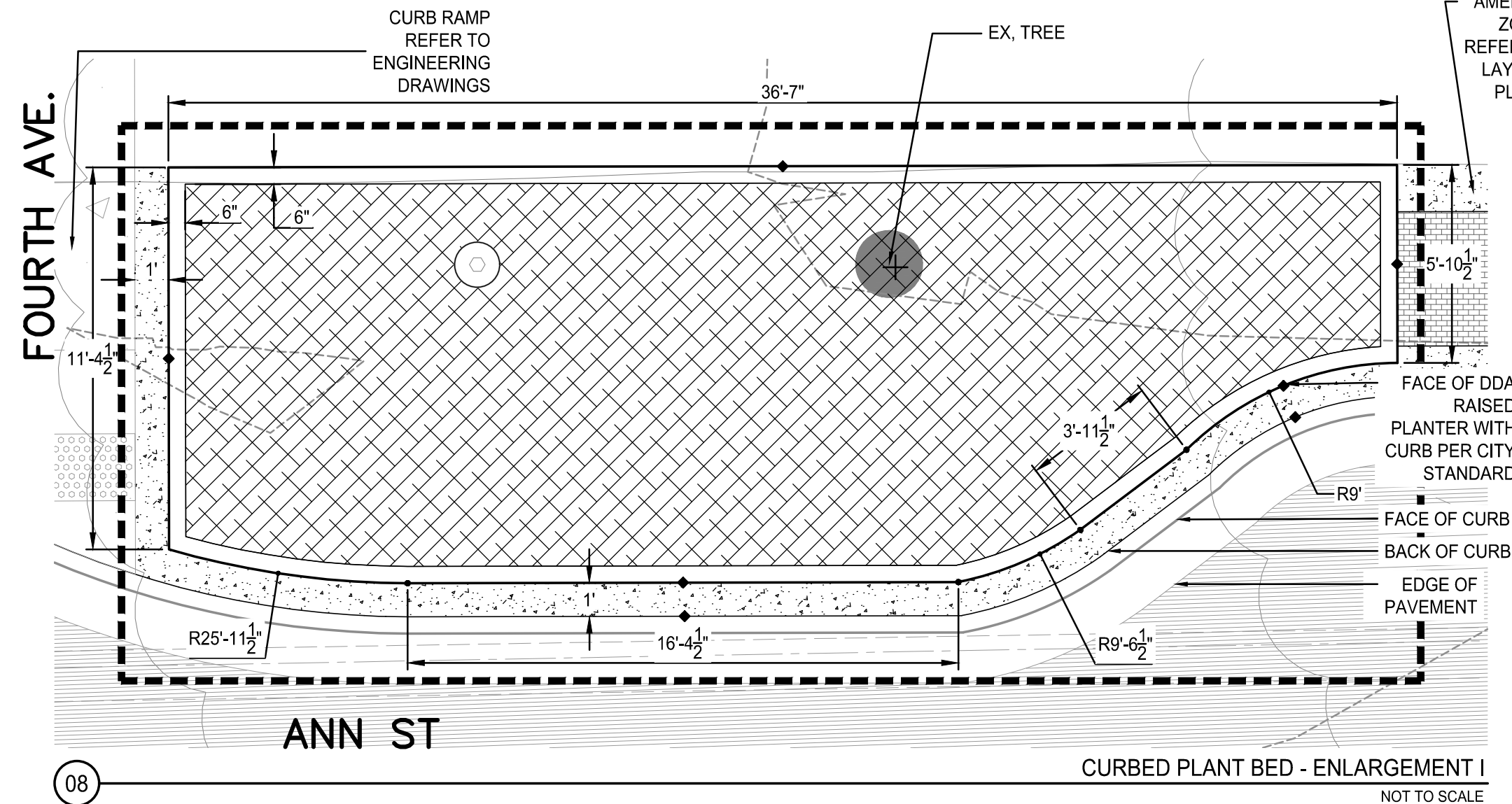
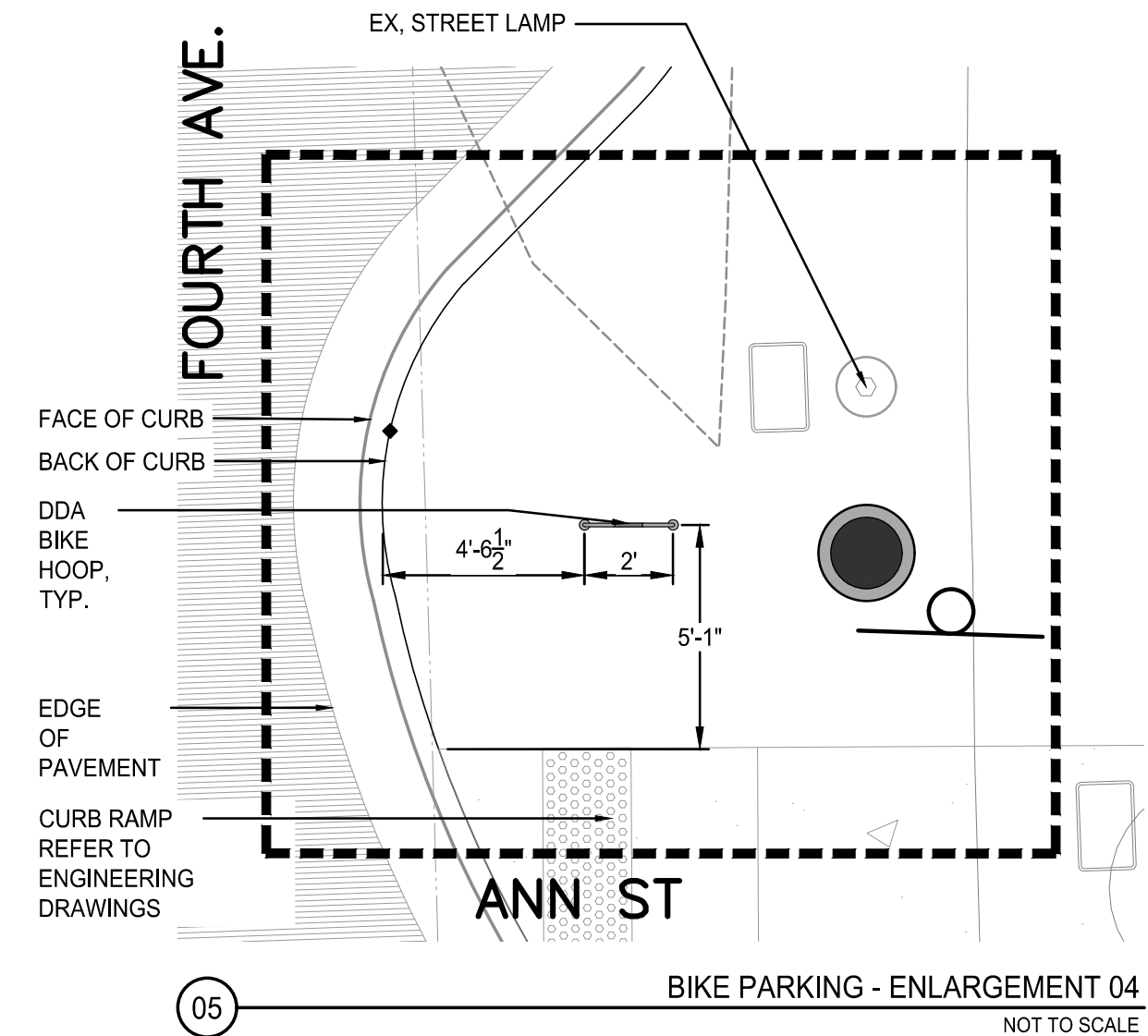
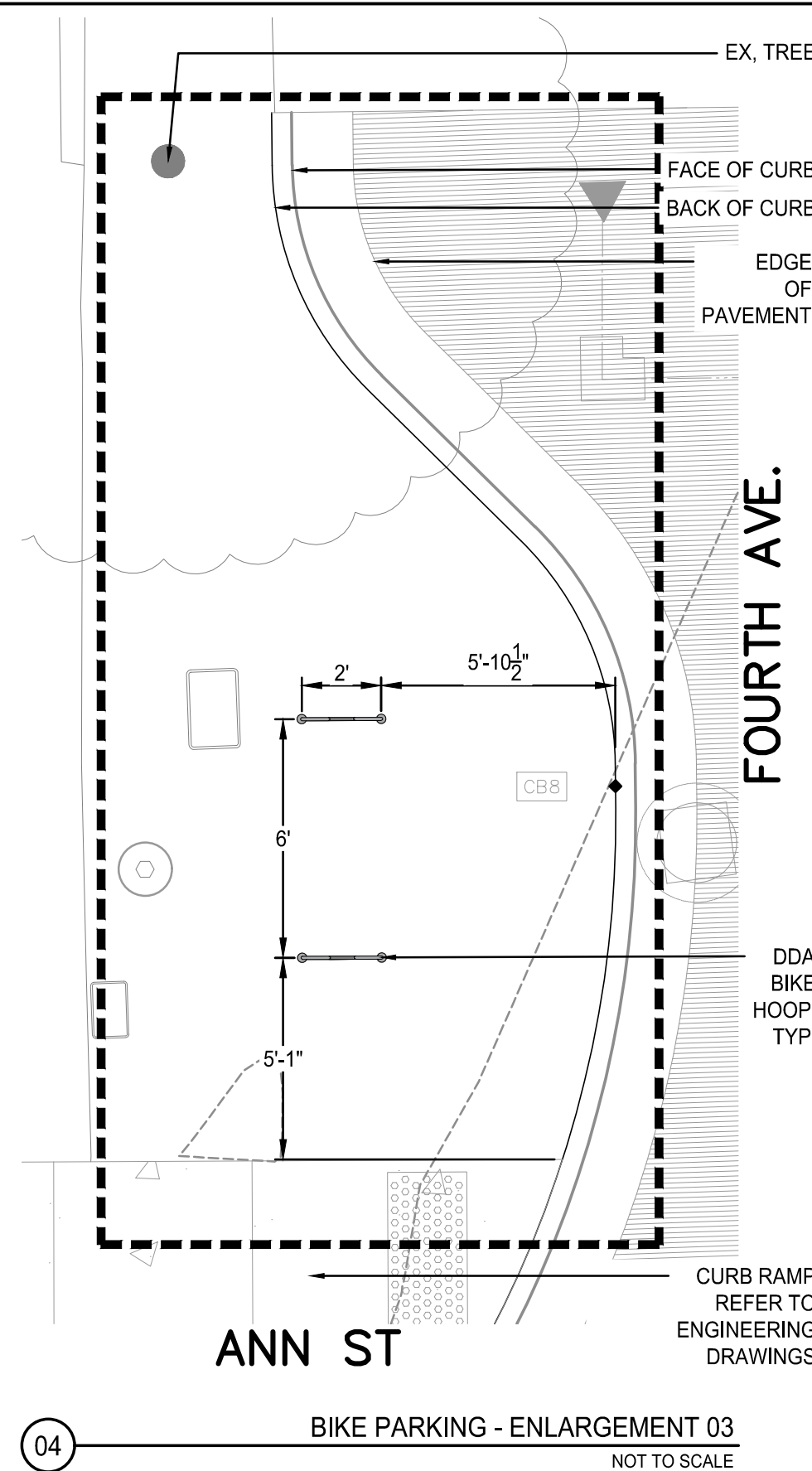
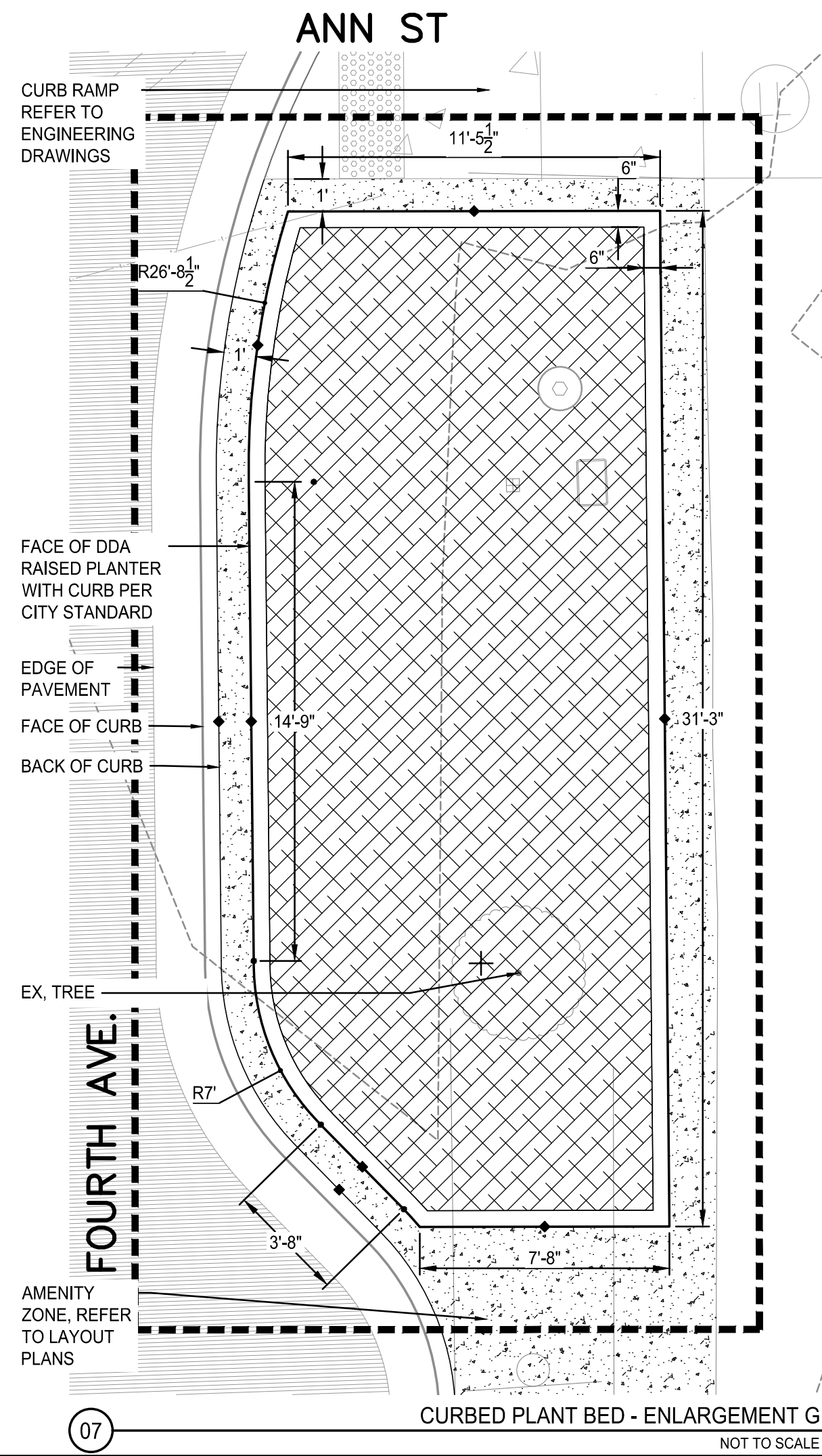
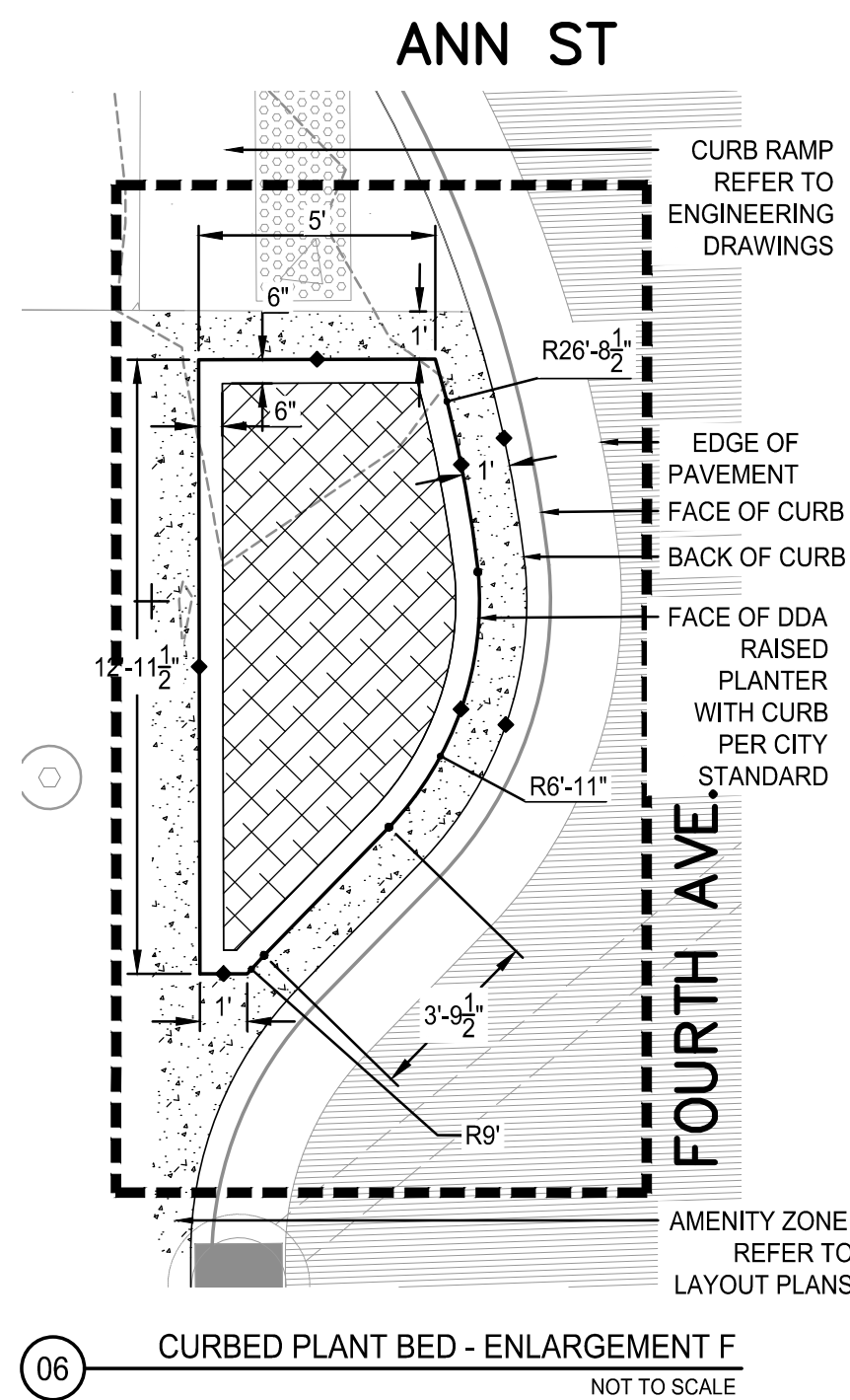
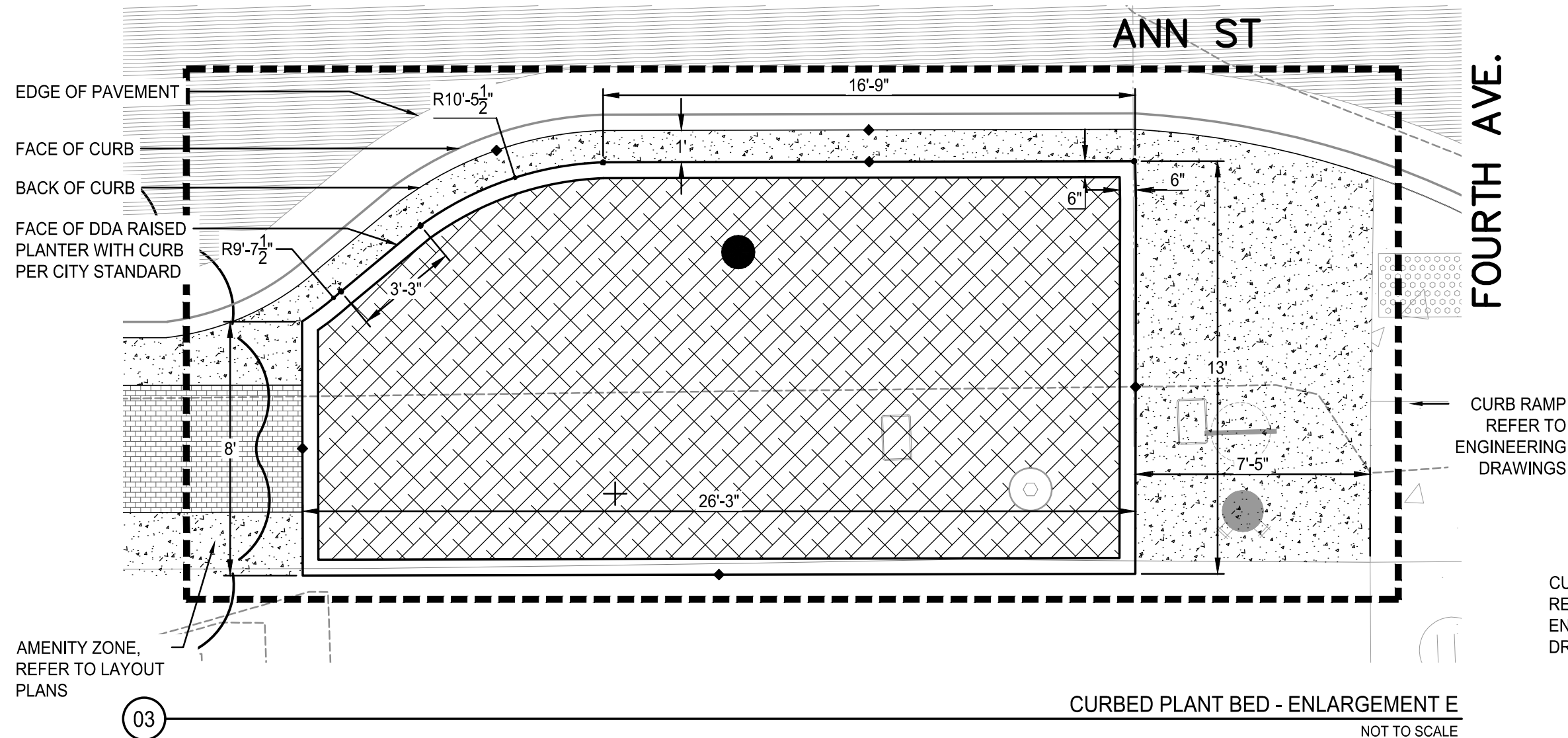
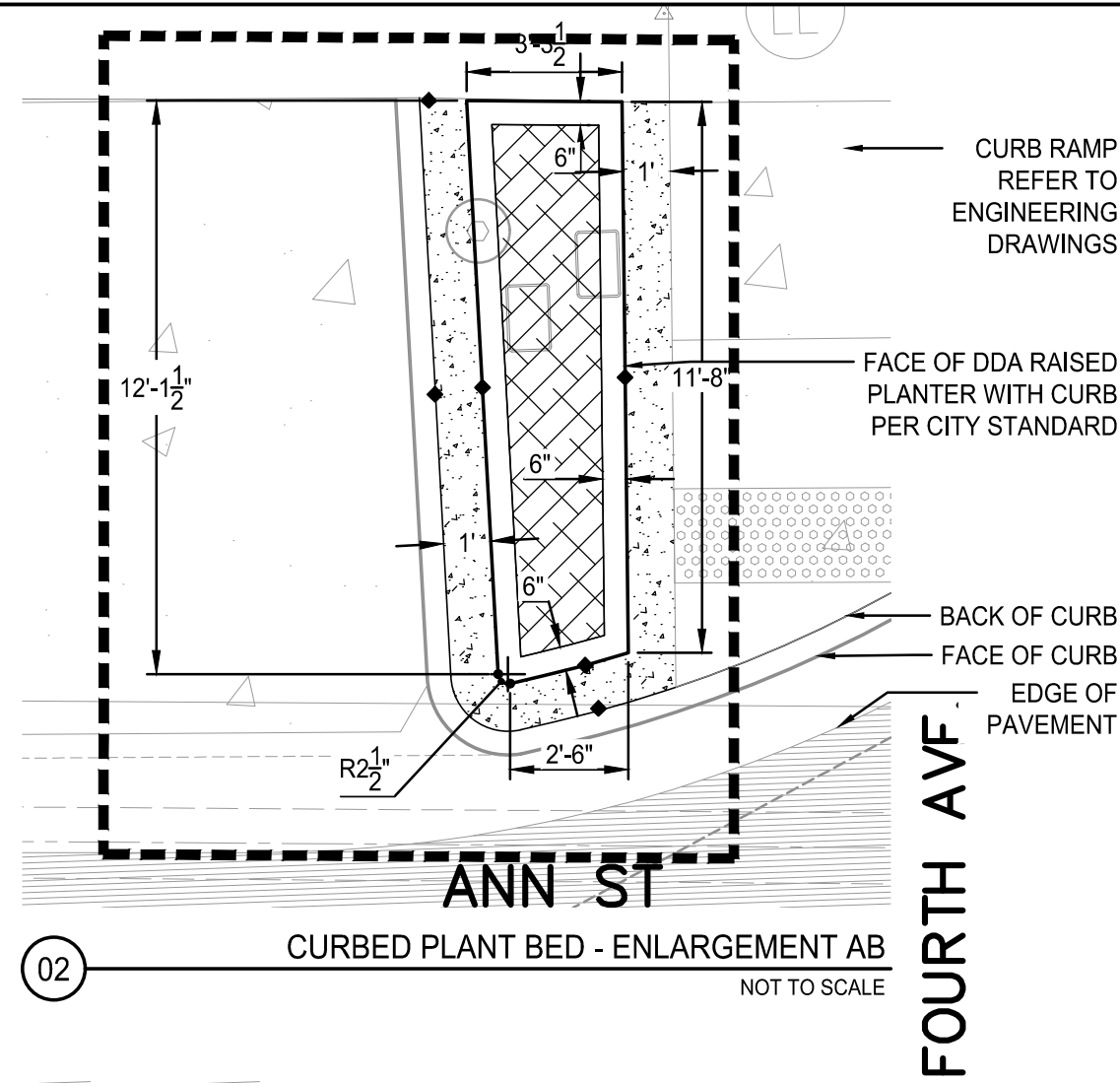
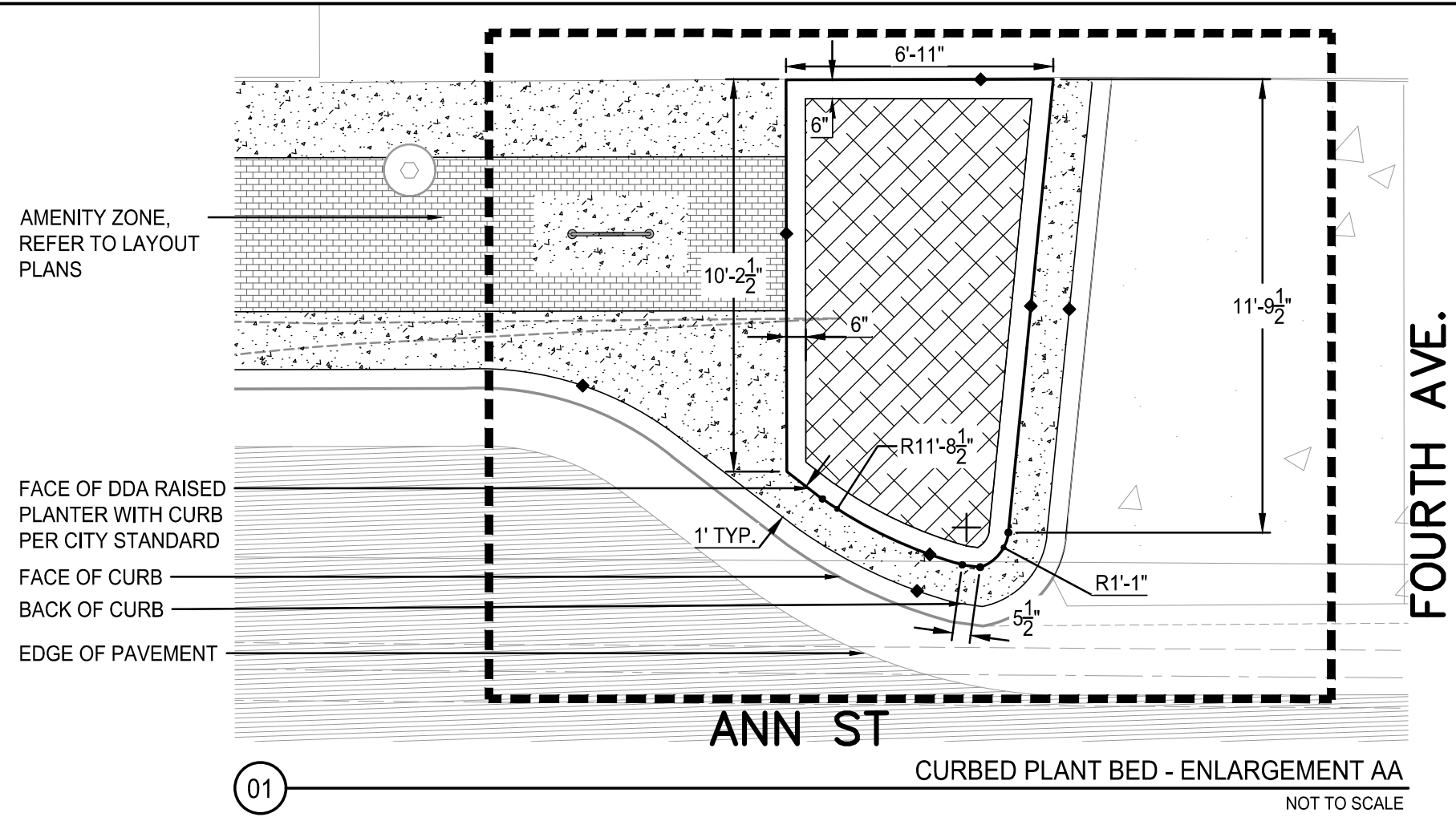
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2022-025-33

SHEET No.

33 OF 65

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LAYOUT LEGEND:

- POINT OF CURVATURE
- CONTROL JOINT
- EXPANSION JOINT

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LAYOUT ENLARGEMENTS 2

SCALE

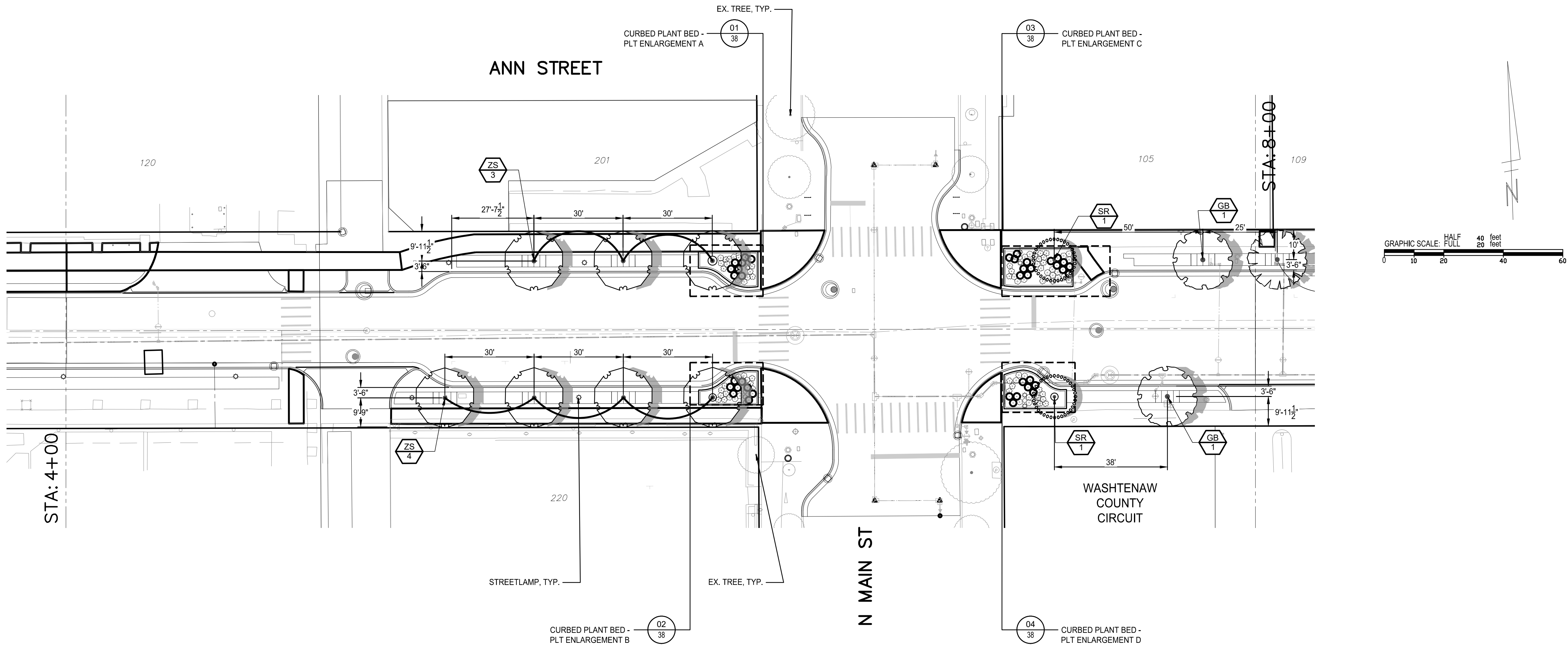
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SHEET No.

34 OF 65

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PLANT SCHEDULE 2 THIS SHEET ONLY							
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
TREES							
	GB	2	GINKGO BILOBA	MAIDENHAIR TREE	3" CAL.	B&B	CLEAR BRANCHING 6 FT. PLANT AS SHOWN.
	SR	2	SYRINGA RETICULATA	JAPANESE TREE LILAC	3" CAL.	B&B	CLEAR BRANCHING 6 FT. PLANT AS SHOWN.
	ZS	7	ZELKOVA SERRATA	JAPANESE ZELKOVA	3" CAL.	B&B	CLEAR BRANCHING 6 FT. PLANT AS SHOWN.



Know what's below.
Call before you dig.

CITY OF ANN ARBOR – PUBLIC SERVICES – ENGINEERING

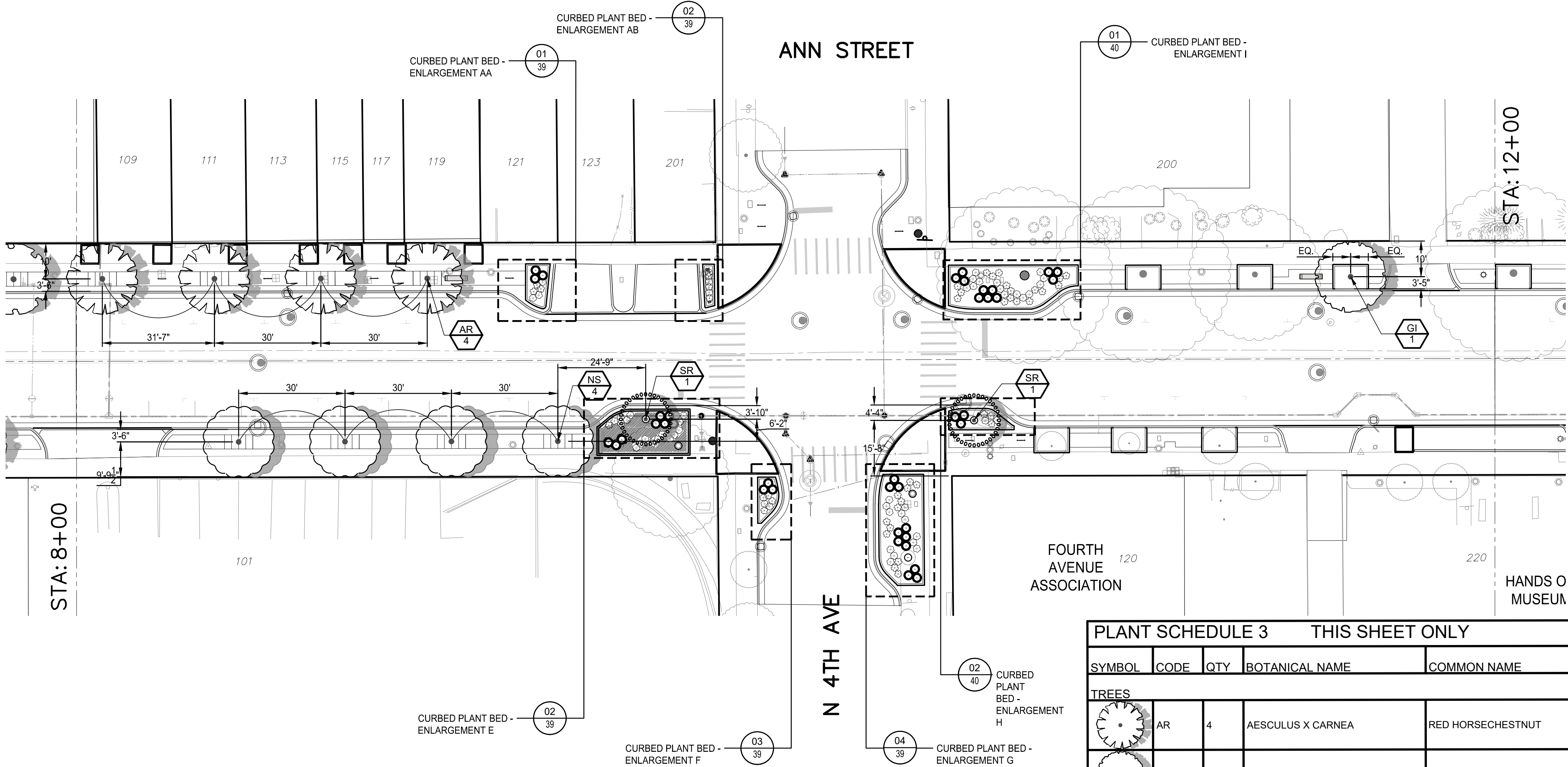
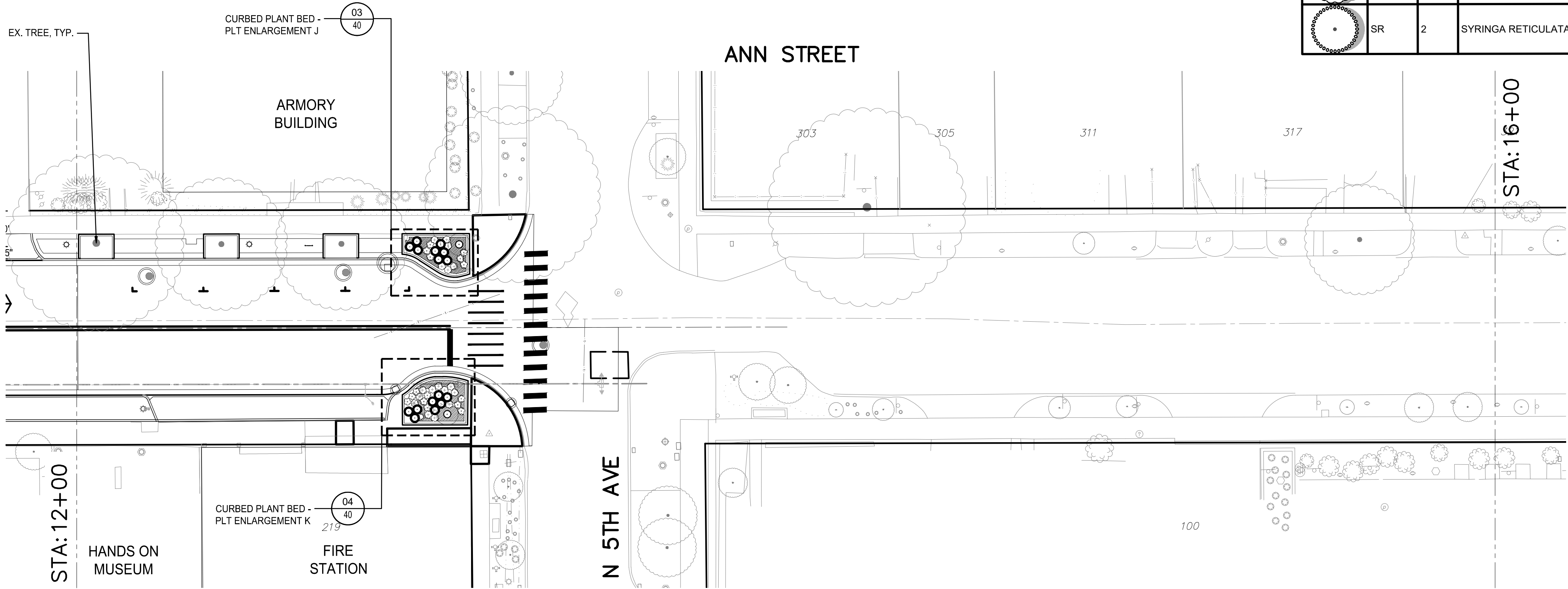
ANN STREET IMPROVEMENTS

PLANTING PLAN 02 STA 4+00 TO 8+00



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET	12-17-2025	SM	CE

P:\0000_0100\0028220080_Ann_SR_Webinar_Ann_WML_Design\Drawings\PLAN\00\Sheet\220080_PLT_14.dwg Dwg Created: 31-Oct-25 - ohm.ctb - Plot Date: 16-Dec-25

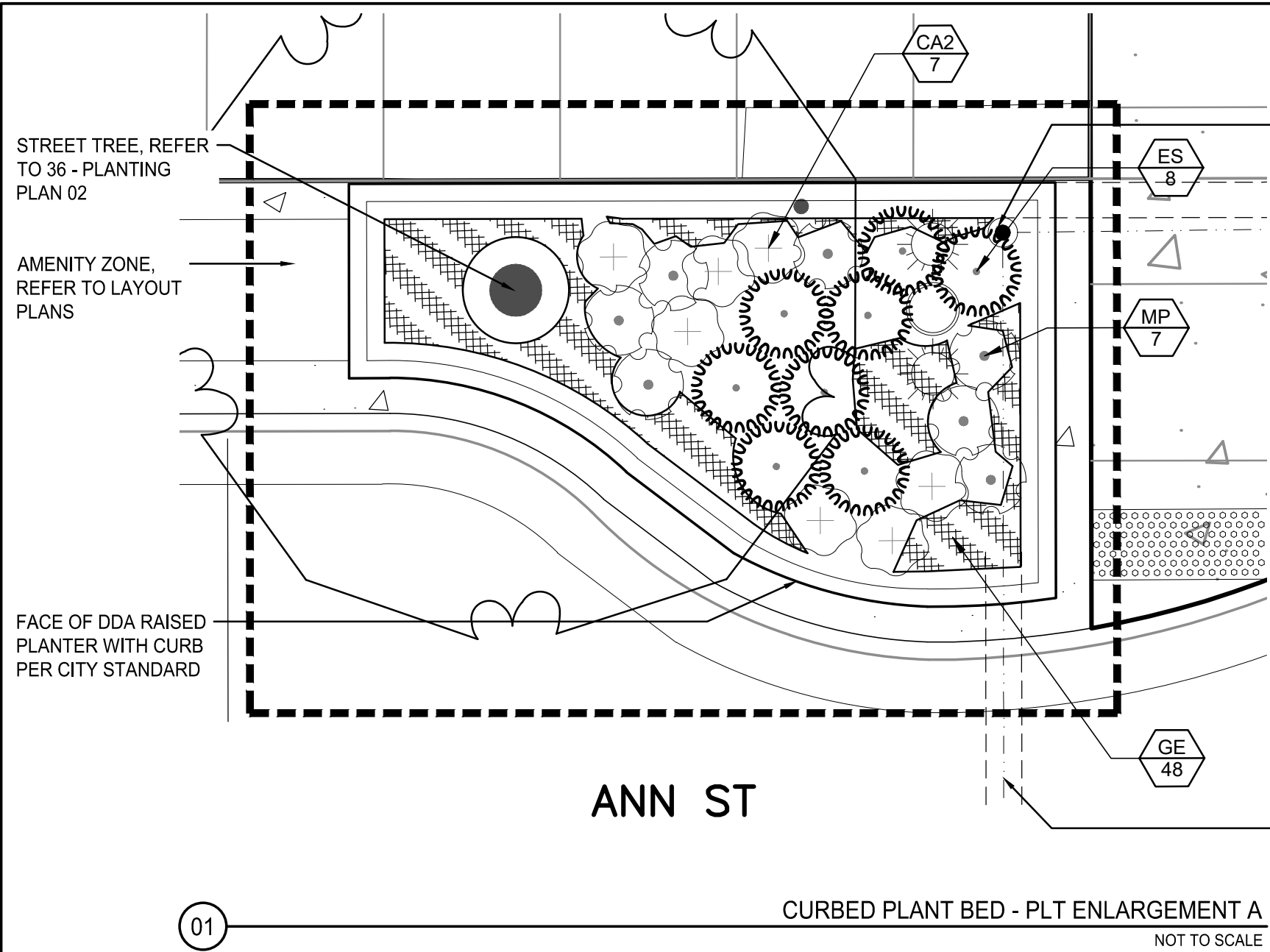


PLANT SCHEDULE 3 THIS SHEET ONLY							
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	REMARKS
TREES							
	AR	4	AESCULUS X CARNEA	RED HORSECHESTNUT	3" CAL.	B&B	CLEAR BRANCHING 6 FT. PLANT AS SHOWN.
	GI	1	GLEDITSIA TRIACANTHOS INERMIS	THORNLESS HONEY LOCUST	3" CAL.	B&B	CLEAR BRANCHING 6 FT. PLANT AS SHOWN.
	NS	4	NYSSA SYLVATICA	TUPELO	3" CAL.	B&B	CLEAR BRANCHING 6 FT. PLANT AS SHOWN.
	SR	2	SYRINGA RETICULATA	JAPANESE TREE LILAC	3" CAL.	B&B	CLEAR BRANCHING 6 FT. PLANT AS SHOWN.

PRELIMINARY - NOT
FOR CONSTRUCTION



F:\0000_0100\0028220080_Ann_ST-WorkArea_Ann_ST-WorkArea\Drawings\PLAN\UD\Sheet\220080_PLT_01.dwg Dwg Created: 31-Oct-25 - Plot Date: 16-Dec-25



MAIN ST.

QUICK COUPLER, SEE 44 - IRRIGATION PLAN 01

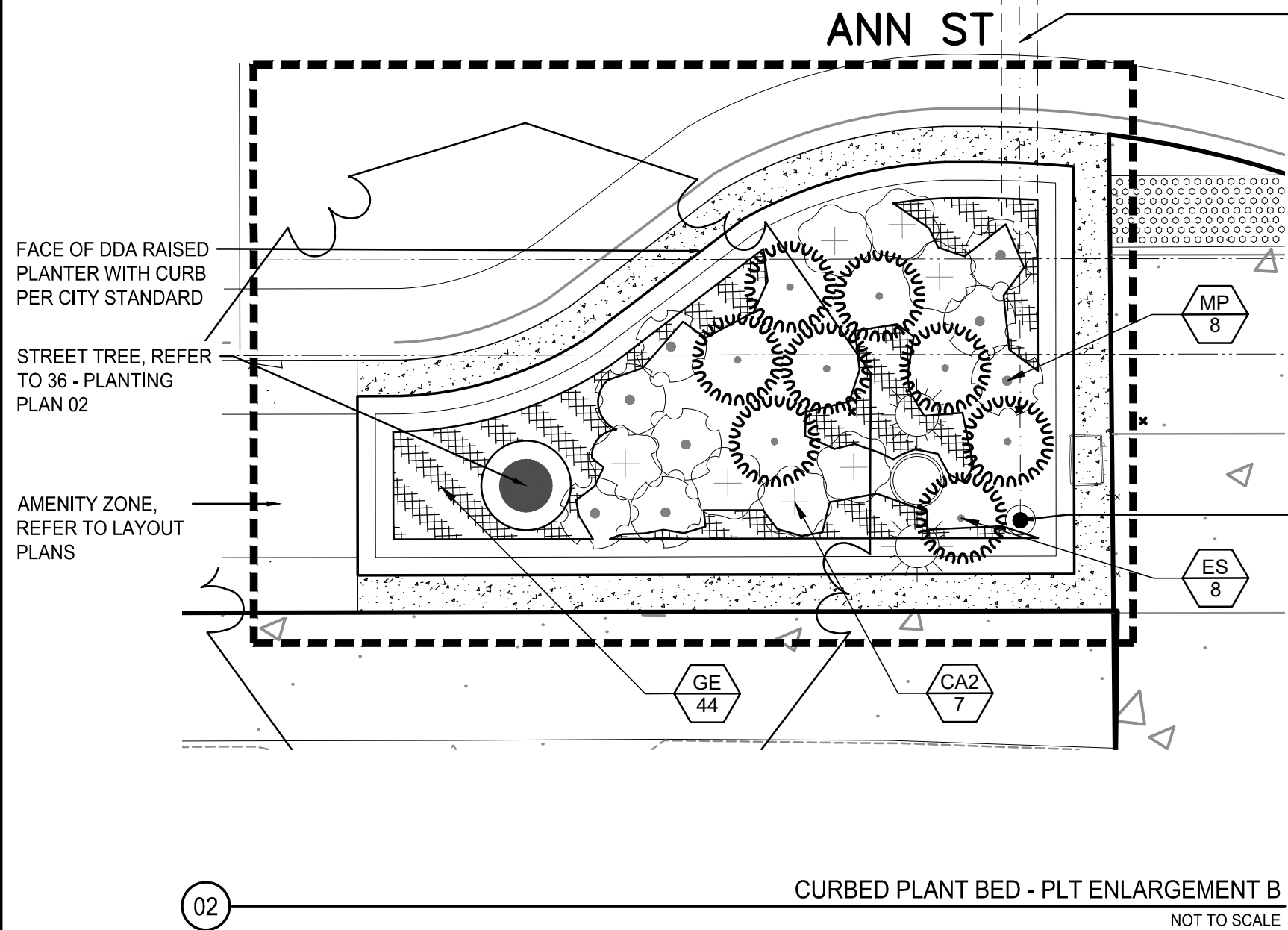
PLANT SCHEDULE A

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS	6'-18IN. HT.
PERENNIALS									
CA2	7		COREOPSIS AURICULATA 'NANA'	DWARF LOBED TICKSEED	1 GAL.	CONT.	24" o.c.	PLANT AS SHOWN	X
ES	8		ERAGROSTIS SPECTABILIS	PURPLE LOVEGRASS	1 GAL.	CONT.	30" o.c.	PLANT AS SHOWN	X
MP	7		MONARDA X 'PETITE DELIGHT'	PETITE DELIGHT BEE BALM	1 GAL.	CONT.	24" o.c.	PLANT AS SHOWN	X
PERENNIAL AREAS									
GE	48		GERANIUM MACULATUM 'ESPRESSO'	SPOTTED GERANIUM	1 GAL.	CONT.	12" o.c.		X

SLEEVES, SEE 44 - IRRIGATION PLAN 01

PLANT SCHEDULE C

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS	6'-18IN. HT.
PERENNIALS									
CA2	16		COREOPSIS AURICULATA 'NANA'	DWARF LOBED TICKSEED	1 GAL.	CONT.	24" o.c.	PLANT AS SHOWN	X
ES	15		ERAGROSTIS SPECTABILIS	PURPLE LOVEGRASS	1 GAL.	CONT.	30" o.c.	PLANT AS SHOWN	X
MP	14		MONARDA X 'PETITE DELIGHT'	PETITE DELIGHT BEE BALM	1 GAL.	CONT.	24" o.c.	PLANT AS SHOWN	X
PERENNIAL AREAS									
GE	48		GERANIUM MACULATUM 'ESPRESSO'	SPOTTED GERANIUM	1 GAL.	CONT.	12" o.c.		X



SLEEVES, SEE IRRIGATION PLANS

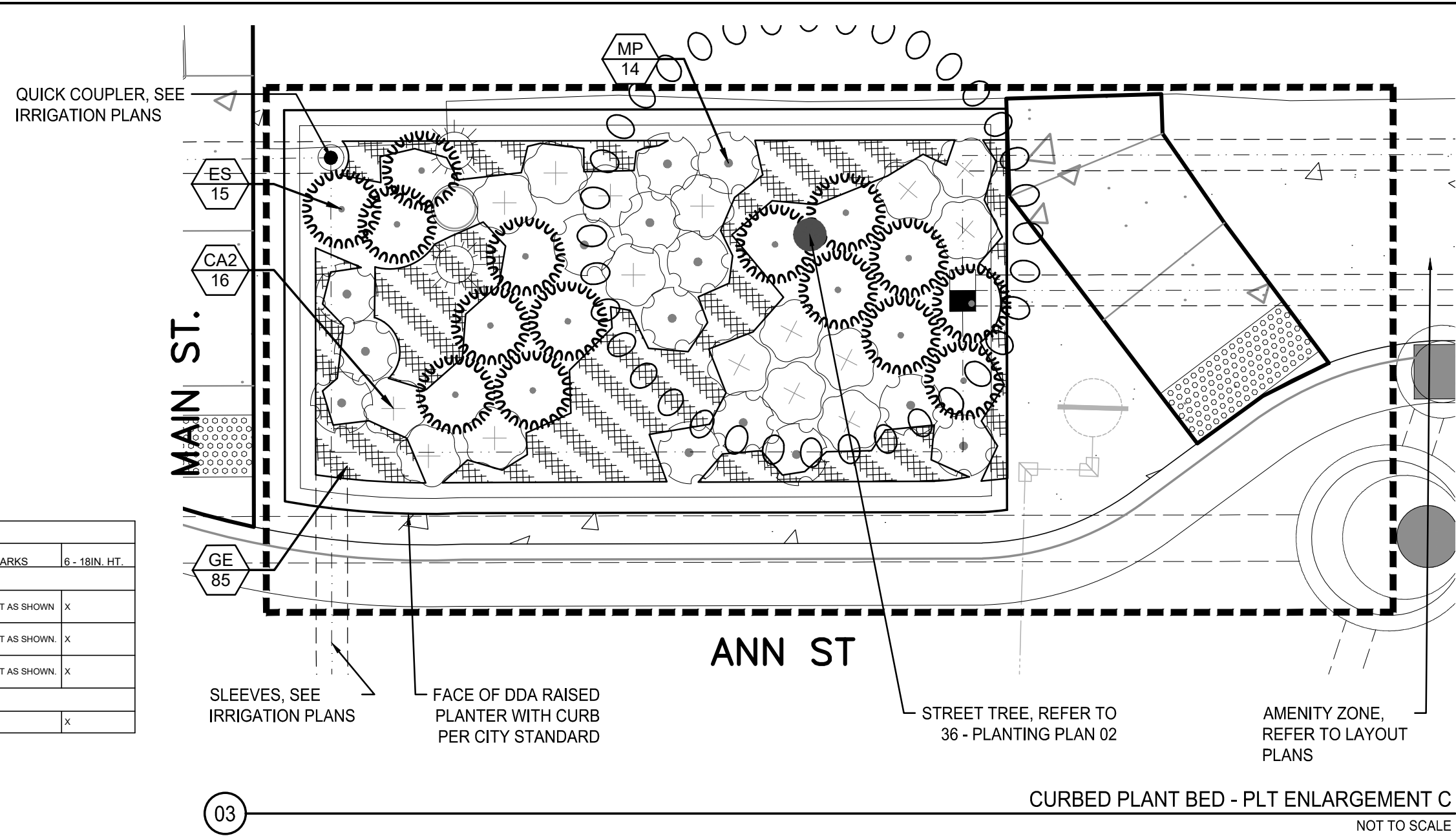
PLANT SCHEDULE B

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS	6'-18IN. HT.
PERENNIALS									
CA2	7		COREOPSIS AURICULATA 'NANA'	DWARF LOBED TICKSEED	1 GAL.	CONT.	24" o.c.	PLANT AS SHOWN	X
ES	8		ERAGROSTIS SPECTABILIS	PURPLE LOVEGRASS	1 GAL.	CONT.	30" o.c.	PLANT AS SHOWN	X
MP	8		MONARDA X 'PETITE DELIGHT'	PETITE DELIGHT BEE BALM	1 GAL.	CONT.	24" o.c.	PLANT AS SHOWN	X
PERENNIAL AREAS									
GE	44		GERANIUM MACULATUM 'ESPRESSO'	SPOTTED GERANIUM	1 GAL.	CONT.	12" o.c.		X

QUICK COUPLER, SEE IRRIGATION PLANS

PLANT SCHEDULE D

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING	REMARKS	6'-18IN. HT.
PERENNIALS									
CA2	8		COREOPSIS AURICULATA 'NANA'	DWARF LOBED TICKSEED	1 GAL.	CONT.	24" o.c.	PLANT AS SHOWN	X
ES	8		ERAGROSTIS SPECTABILIS	PURPLE LOVEGRASS	1 GAL.	CONT.	30" o.c.	PLANT AS SHOWN	X
MP	8		MONARDA X 'PETITE DELIGHT'	PETITE DELIGHT BEE BALM	1 GAL.	CONT.	24" o.c.	PLANT AS SHOWN	X
PERENNIAL AREAS									
PW2	67		PHLOX DIVARICATA	WOODLAND PHLOX	1 GAL.	CONT.	12" o.c.		X



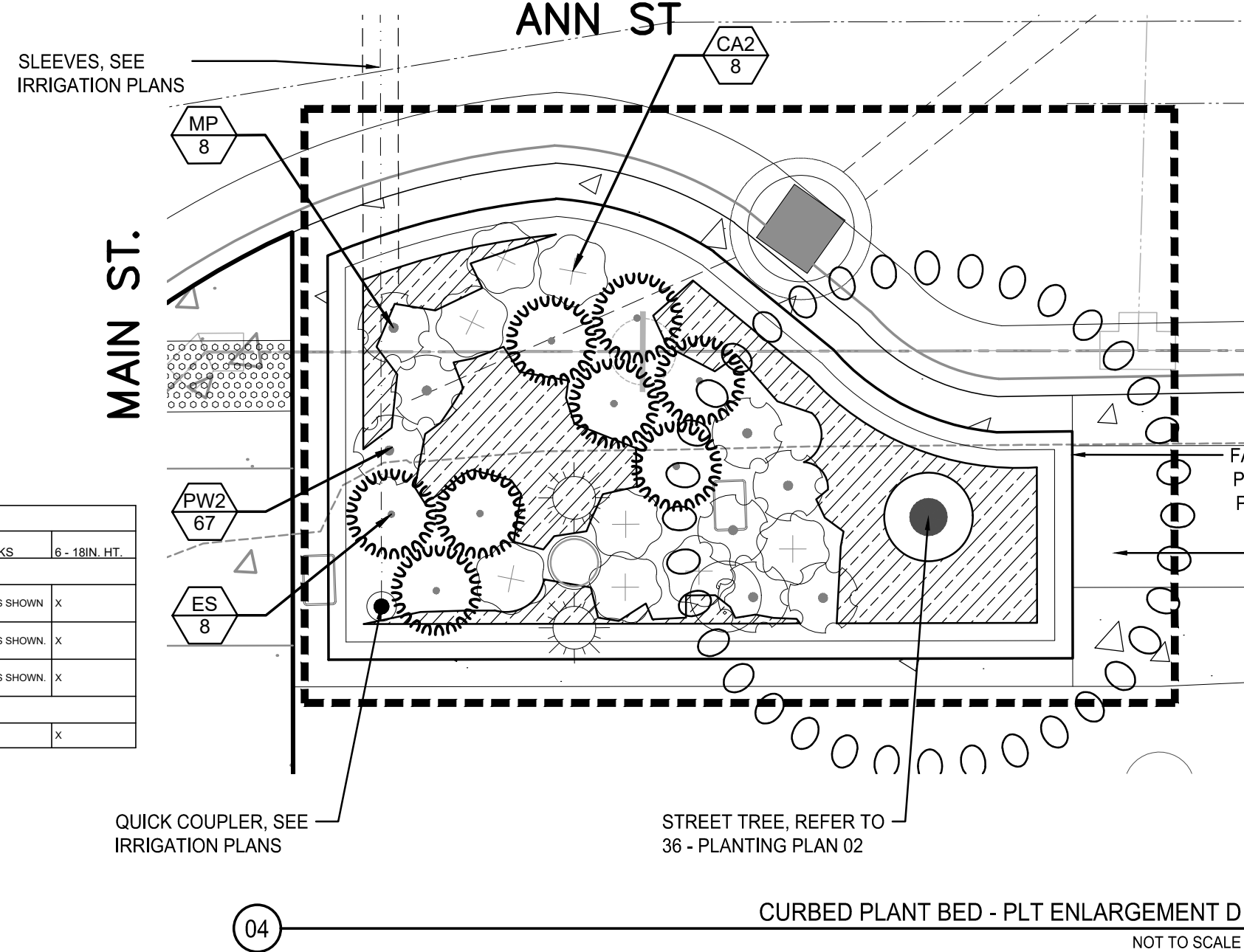
QUICK COUPLER, SEE IRRIGATION PLANS

SLEEVES, SEE IRRIGATION PLANS

FACE OF DDA RAISED PLANTER WITH CURB PER CITY STANDARD

STREET TREE, REFER TO 36 - PLANTING PLAN 02

AMENITY ZONE, REFER TO LAYOUT PLANS



QUICK COUPLER, SEE IRRIGATION PLANS

STREET TREE, REFER TO 36 - PLANTING PLAN 02

NOT TO SCALE

PRELIMINARY - NOT FOR CONSTRUCTION



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811

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Call before you dig.

DATE

12-17-2025

SM

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REV.

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BID SET

12-17-2025

DESCRIPTION

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48107-0847
734-764-8410
www.a2gov.org

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

ANN STREET IMPROVEMENTS

LANDSCAPE ENLARGEMENTS 1

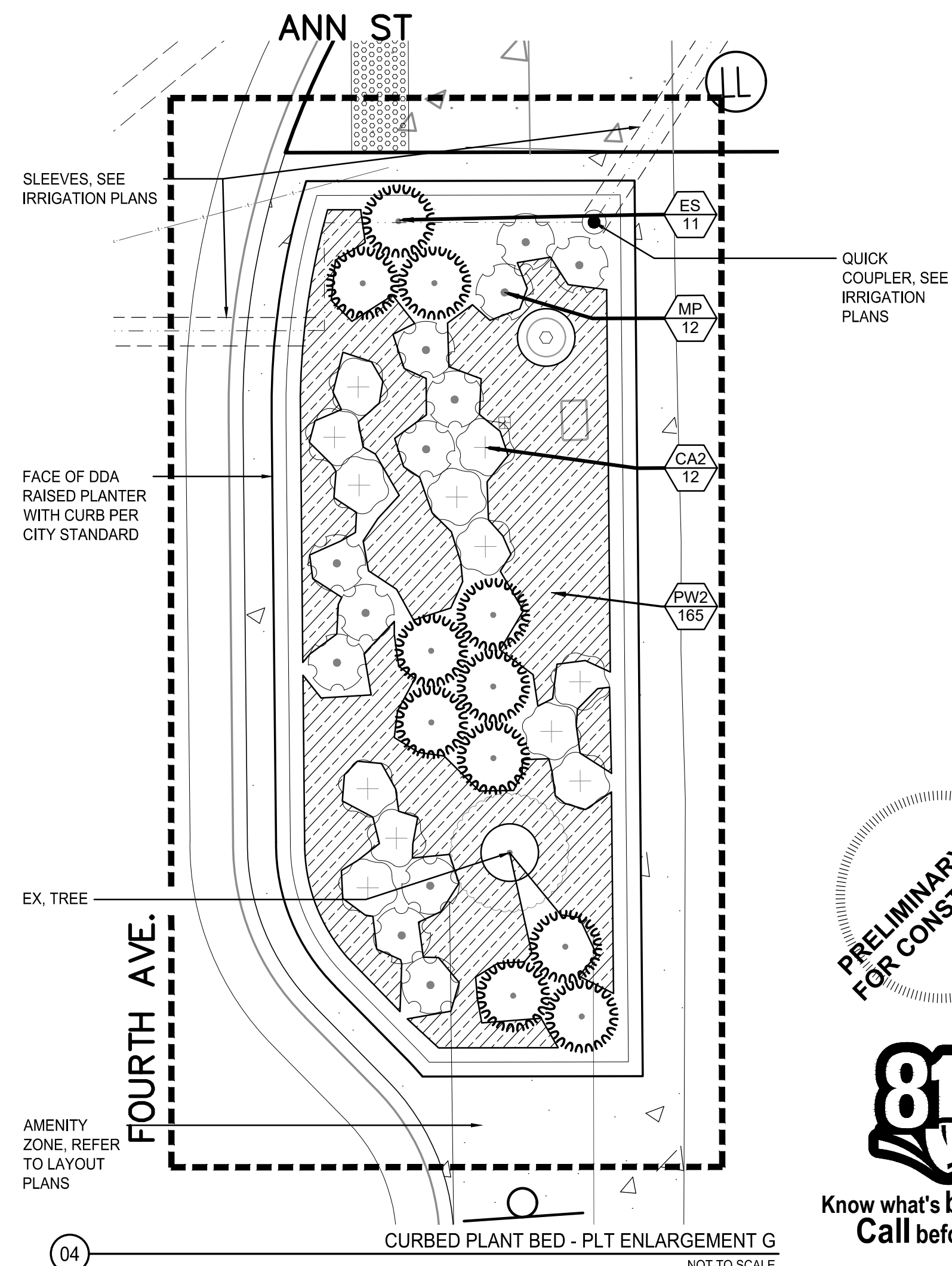
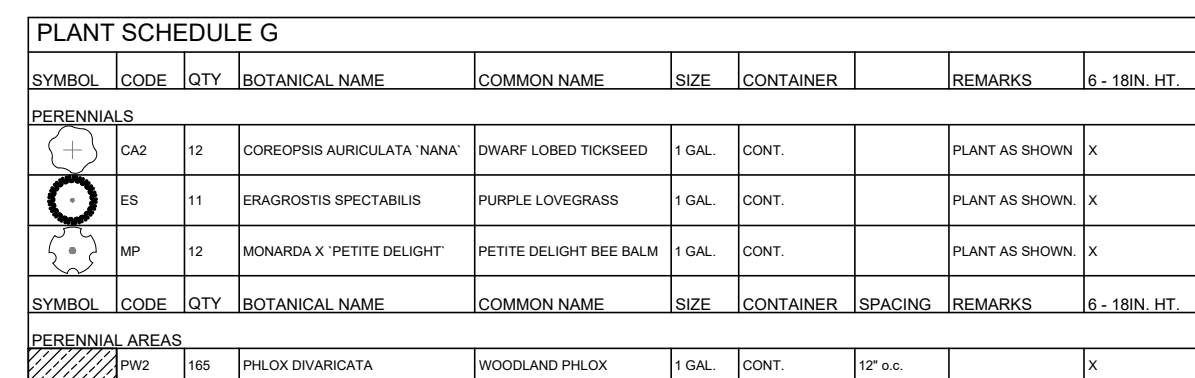
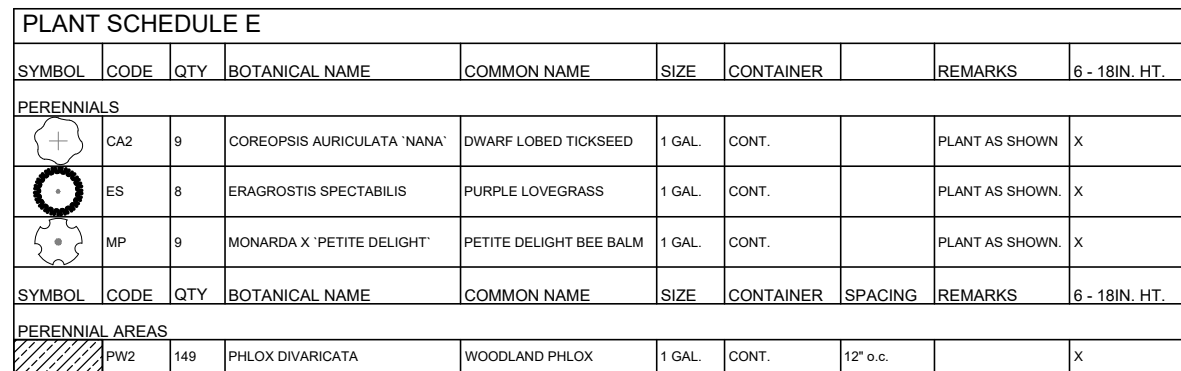
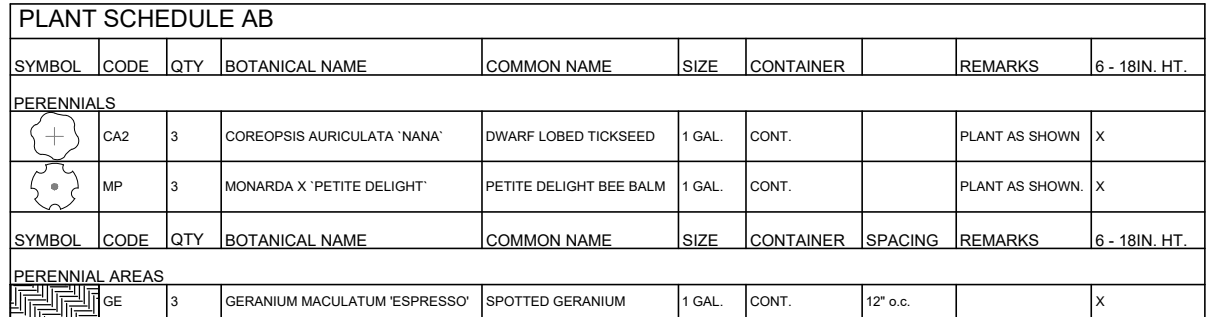
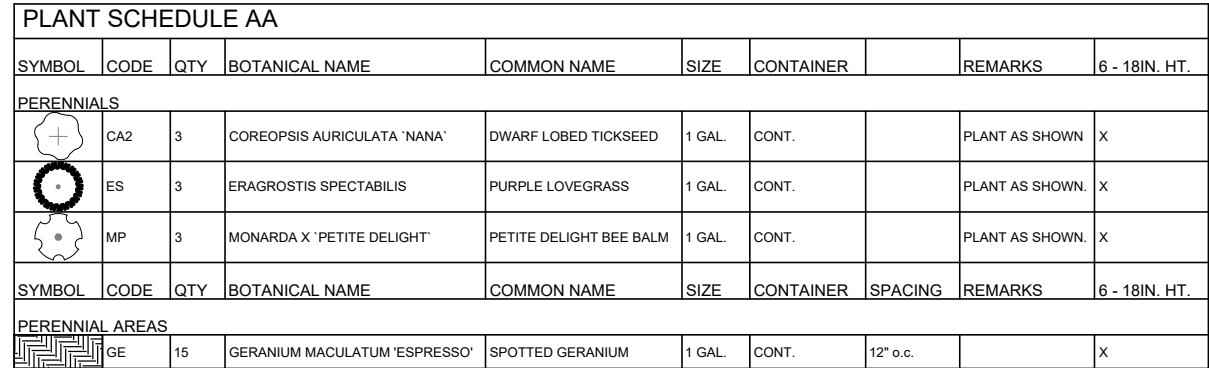
SCALE

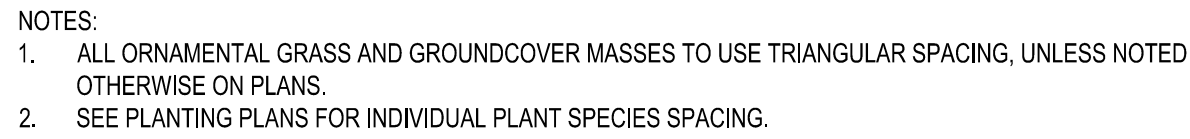
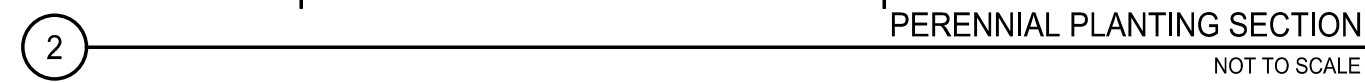
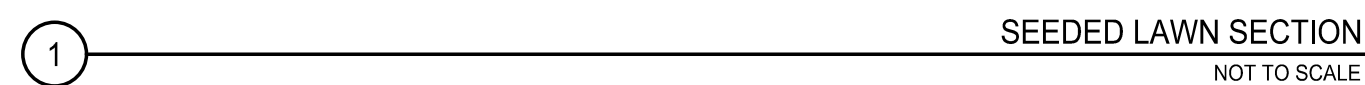
DRAWING No.

2022-025-38

SHEET No.

38 OF 65





A circular stamp with a dashed border. Inside the circle, the text "PRELIMINARY - NOT FOR CONSTRUCTION" is written in a bold, sans-serif font, oriented diagonally from the top-left to the bottom-right.



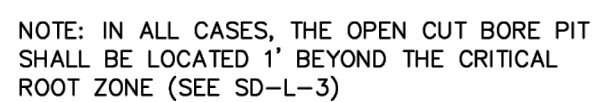
**CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org**

REV. NO.	DATE	DRAWN BY	CHECKED BY
TREE PLANTING			
DR. ENG	CH. ENG	DRAWING NO.	
SCALE N.T.S.	DATE 12/8/2023	SD-L-1	



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REV. NO.	DATE	DRAWN BY	CHECKED BY
TREE PROTECTION			
DR. ENG	CH. ENG	DRAWING NO.	
SCALE N.T.S.	DATE 12/8/2023	SD-L-3	



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P.O. BOX 8647
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734-794-6410
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REV. NO.	DATE	DRAWN BY		CHECKED BY	
TREE TUNNELLING					
DR. ENG		CH. ENG		DRAWING NO.	
SCALE N.T.S.		DATE 12/8/2023		SD-L-4	

1. REFER TO SITE PLAN FOR PROJECT SPECIFIC TYPES & LIMITS OF SURFACE MATERIALS




REV. NO.	DATE	DRAWN BY	CHECKED BY
DDA SIDEWALK CROSS SECTION			
DR. ENG	CH. ENG	DRAWING NO.	
SCALE N.T.S.	DATE 12/8/2023	SD-DDA-1	



REV. NO.	DATE	DRAWN BY	CHECKED BY
DDA SIDEWALK AND AMENITY ZONE PLAN VIEW			
DR. ENG	CH. ENG	DRAWING NO. SD-DDA-2	
SCALE N.T.S.	DATE 12/8/2023		



REV. NO.	DATE	DRAWN BY	CHECKED BY
DDA CONCRETE SIDEWALK			
DR. ENG	CH. ENG	DRAWING NO. SD-DDA-3	
SCALE N.T.S.	DATE 12/8/2023		



REV.	BID SET	DESCRIPTION	DATE	SM	CE

CITY OF ANN ARBOR – PUBLIC SERVICES – ENGINEERING	<p>ANN STREET IMPROVEMENTS</p> <p>LANDSCAPE DETAILS 01 -----</p>
SCALE	
DRAWING No.	
2022-025-42	

SHEET No.
42 OF 65



REV. NO.	DATE	DRAWN BY	CHECKED BY
<p align="center">PAVER SECTION 1 - PAVERS ABOVE INTEGRAL CONCRETE SLAB</p>			
DR. ENG	CH. ENG	DRAWING NO.	
SCALE N.T.S.	DATE 12/8/2023	SD-DDA-4	

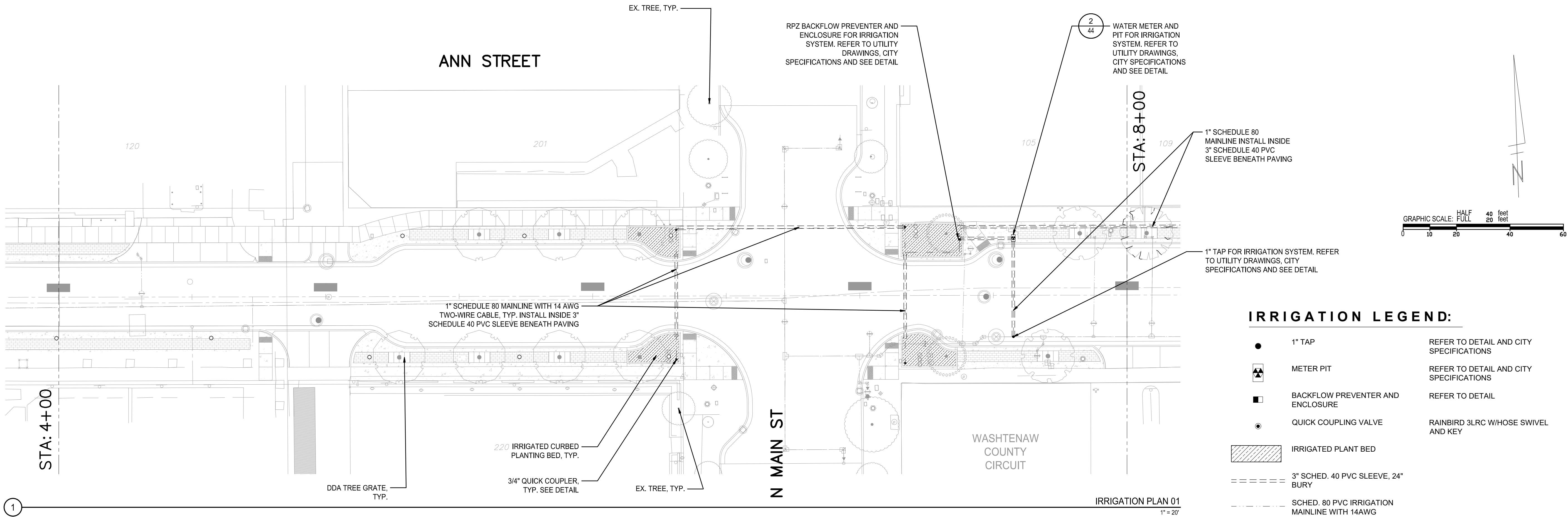


REV. NO.	DATE	DRAWN BY	CHECKED BY
DDA BIKE HOOP SURFACE MOUNTED			
DR. ENG	CH. ENG	DRAWING NO. SD-DDA-10	
SCALE N.T.S.	DATE 12/8/2023		

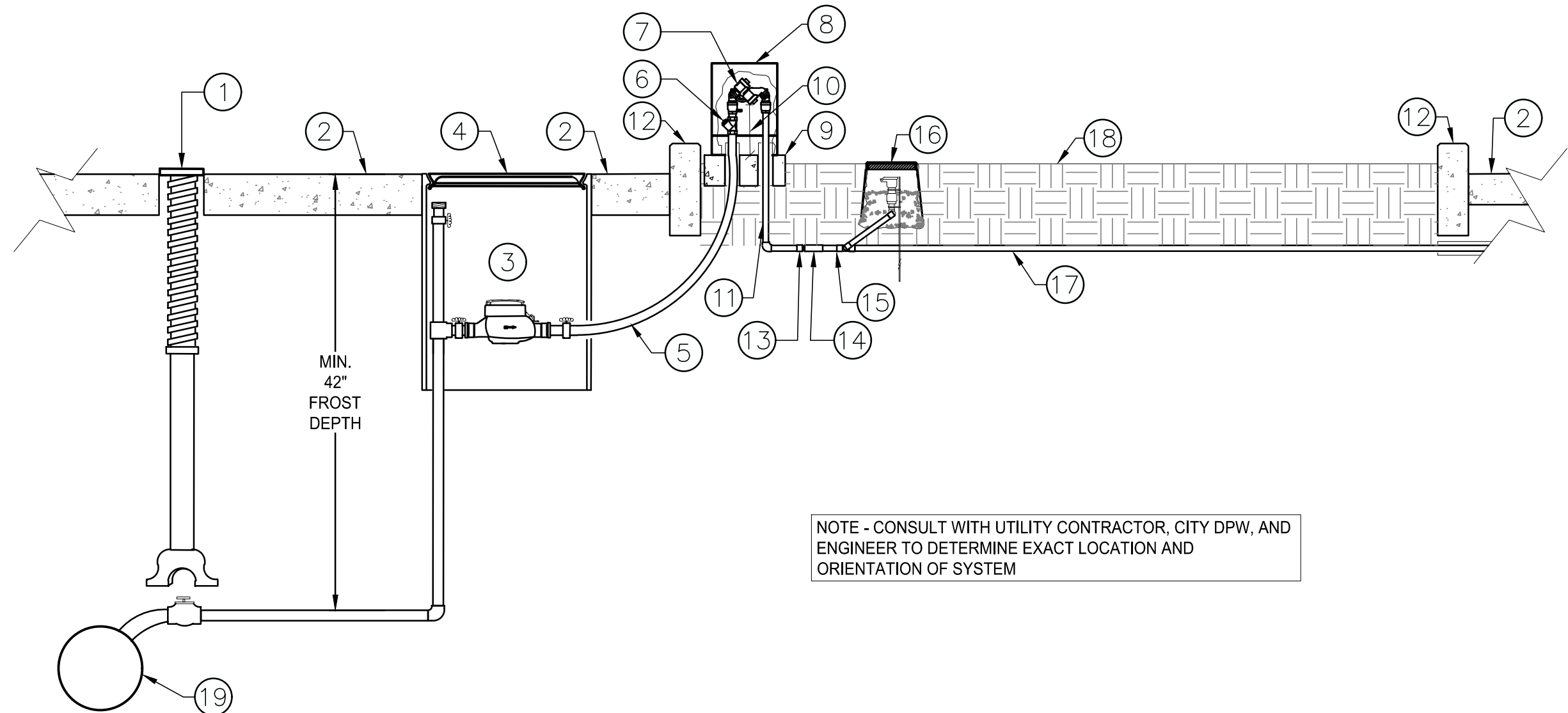


REV. NO.	DATE	DRAWN BY	CHECKED BY
DDA RAISED PLANTER WITH CURB			
DR. ENG	CH. ENG	DRAWING NO.	
SCALE N.T.S.	DATE 12/8/2023	SD-DDA-11	

P:\0000_0100\0028220080_Ann-St-Washtenaw_Ann-St-WML_Design\Drawings\PLAN_ID\Sheet\220080_IRR_03.dwg Dwg Created: 31-Oct-25 - Oct-25 - Plot Date: 16-Dec-25



- | | |
|---|---|
| ① 1" TAP, SHUT OFF GATE, BOX AND CORPORATION STOP - PER CITY SPECIFICATIONS | ⑩ 12" |
| ② SIDEWALK GRADE | ⑪ 1" COPPER PIPE INSTALLED IN 3" SLEEVE THROUGH CONCRETE PEDESTAL BASE |
| ③ METER INSTALLATION WITH GATED CONNECTION AND HOSE THREADS FOR WINTERIZATION AIR COMPRESSOR ATTACHMENT PER CITY SPECIFICATIONS | ⑫ PLANTER CURB |
| ④ EAST JORDAN IRON WORKS #32417301 RECTANGULAR SERIES METER BOX 17-5/8" X 30-1/2" X 18" BCF | ⑬ 1" TYPE M SOLDER X 1" MPT TRANSITIONAL FITTING |
| ⑤ 1" TYPE K COPPER TO BACKFLOW PREVENTER LOCATION, INSTALL IN 3" SLEEVE THROUGH ENCLOSURE CONCRETE BASE | ⑭ 1" MPT 1" SLIP PVC COUPLER |
| ⑥ WYE STRAINER | ⑮ 1" SCHEDULE 80 PVC TO QUICK COUPLER |
| ⑦ FEBCO 825YA RPZ BACKFLOW PREVENTER | ⑯ 3/4" QUICK COUPLER, SEE DETAIL. |
| ⑧ BACKFLOW PREVENTER ENCLOSURE - STRONGS BOX SB-16SSW 18" HIGH, 16" LONG, 10" WIDE, INSTALLED ON PED-16SSW RISER PEDESTAL 4" HIGH, 16" LONG, 8" DEEP | ⑰ 1" SCHEDULE 80 PVC MAINLINE WITH 14 AWG TWO-WIRE CABLE TO NEXT QUICK COUPLER INSIDE 3" SLEEVE BENEATH PAVING BETWEEN PLANTERS |
| ⑨ ENTIRE ENCLOSURE SHALL BE INSTALLED ON 6" THICK, 20" X 12" SOLID CONCRETE BASE, TOP OF CONCRETE BASE SHALL BE SET 4" BELOW PLANTER GRADE AND 2" ABOVE GRADE | ⑱ PLANTER GRADE |
| | ⑲ WATER SERVICE |

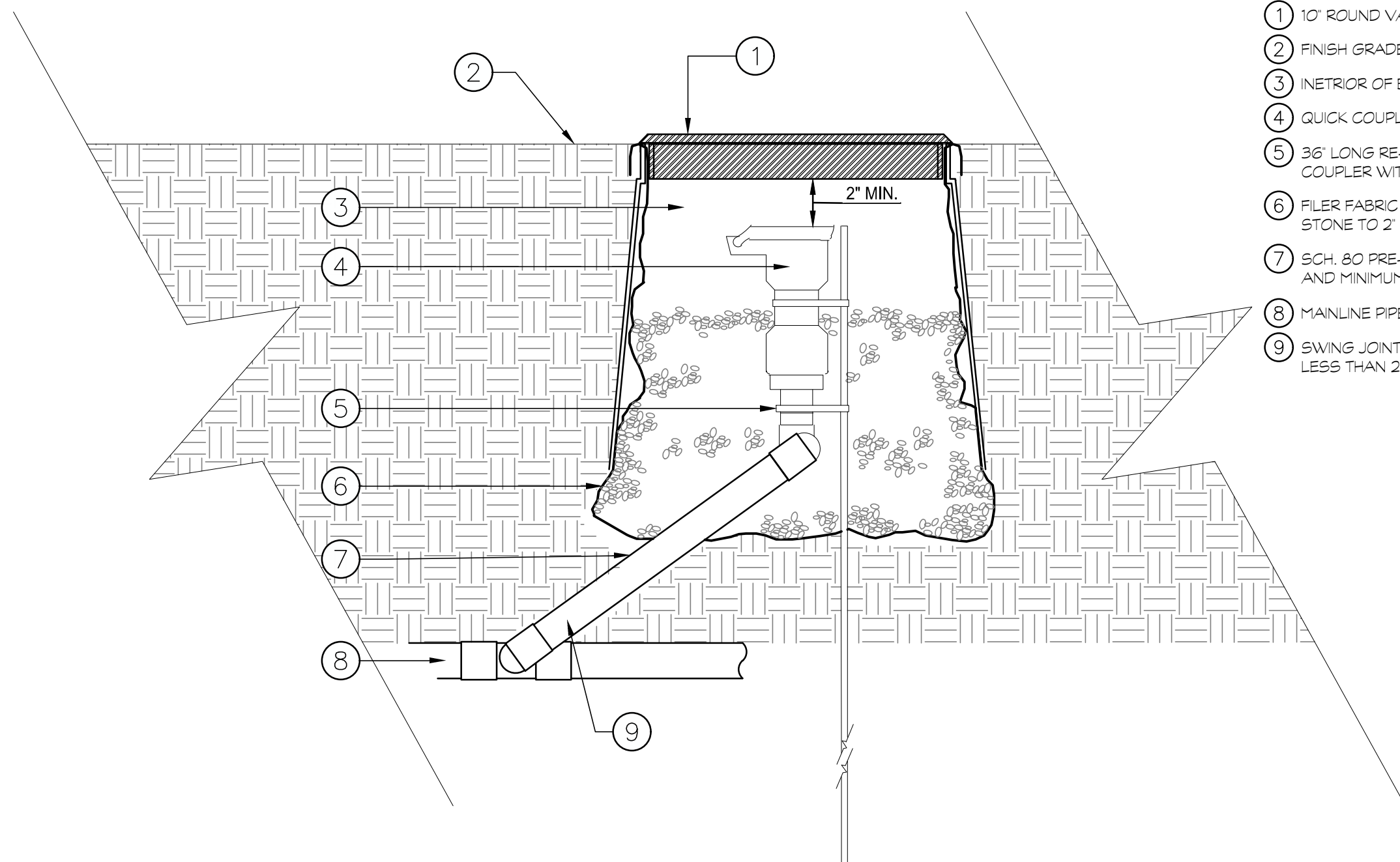


NOTE - CONSULT WITH UTILITY CONTRACTOR, CITY DPW, AND ENGINEER TO DETERMINE EXACT LOCATION AND ORIENTATION OF SYSTEM

SCHMATIC BACKFLOW PREVENTER AND QUICK COUPLER INSTALLATION
NOT TO SCALE

IRRIGATION LEGEND:

- | | | |
|-----|---|---|
| ● | 1" TAP | REFER TO DETAIL AND CITY SPECIFICATIONS |
| ⬢ | METER PIT | REFER TO DETAIL AND CITY SPECIFICATIONS |
| ■ | BACKFLOW PREVENTER AND ENCLOSURE | REFER TO DETAIL |
| ● | QUICK COUPLING VALVE | RAINBIRD 3LRC W/HOSE SWIVEL AND KEY |
| ▨ | IRRIGATED PLANT BED | |
| --- | 3" SCHED. 40 PVC SLEEVE, 24" BURY | |
| --- | SCHED. 80 PVC IRRIGATION MAINLINE WITH 14AWG TWO-WIRE CABLE | |



- | |
|---|
| ① 10" ROUND VALVE BOX WITH LOCKING LID AND BOLT |
| ② FINISH GRADE |
| ③ INTERIOR OF BOX TO BE FREE FROM SOIL AND DEBRIS |
| ④ QUICK COUPLING VALVE |
| ⑤ 3/6" LONG RE-ROD TO STABILIZE QUICK COUPLER, SECURE TO COUPLER WITH BAND AND SCREW WORM GEAR GLAMPS. |
| ⑥ FILLER FABRIC WITH 3/4" CRUSHED STONE, FILL VALVE BOX WITH STONE TO 2" BELOW COUPLER TOP, PACK STONE IN 1" LIFTS. |
| ⑦ SCH. 80 PRE-FABRICATED SWING JOINT WITH O-RING SEALS AND MINIMUM 12" LAY LENGTH, LASCO, SPEARS, OR DURA |
| ⑧ MAINLINE PIPE |
| ⑨ SWING JOINT ANGLE TO NOT EXCEED 45 DEGREES AND BE NO LESS THAN 22 DEGREES. |

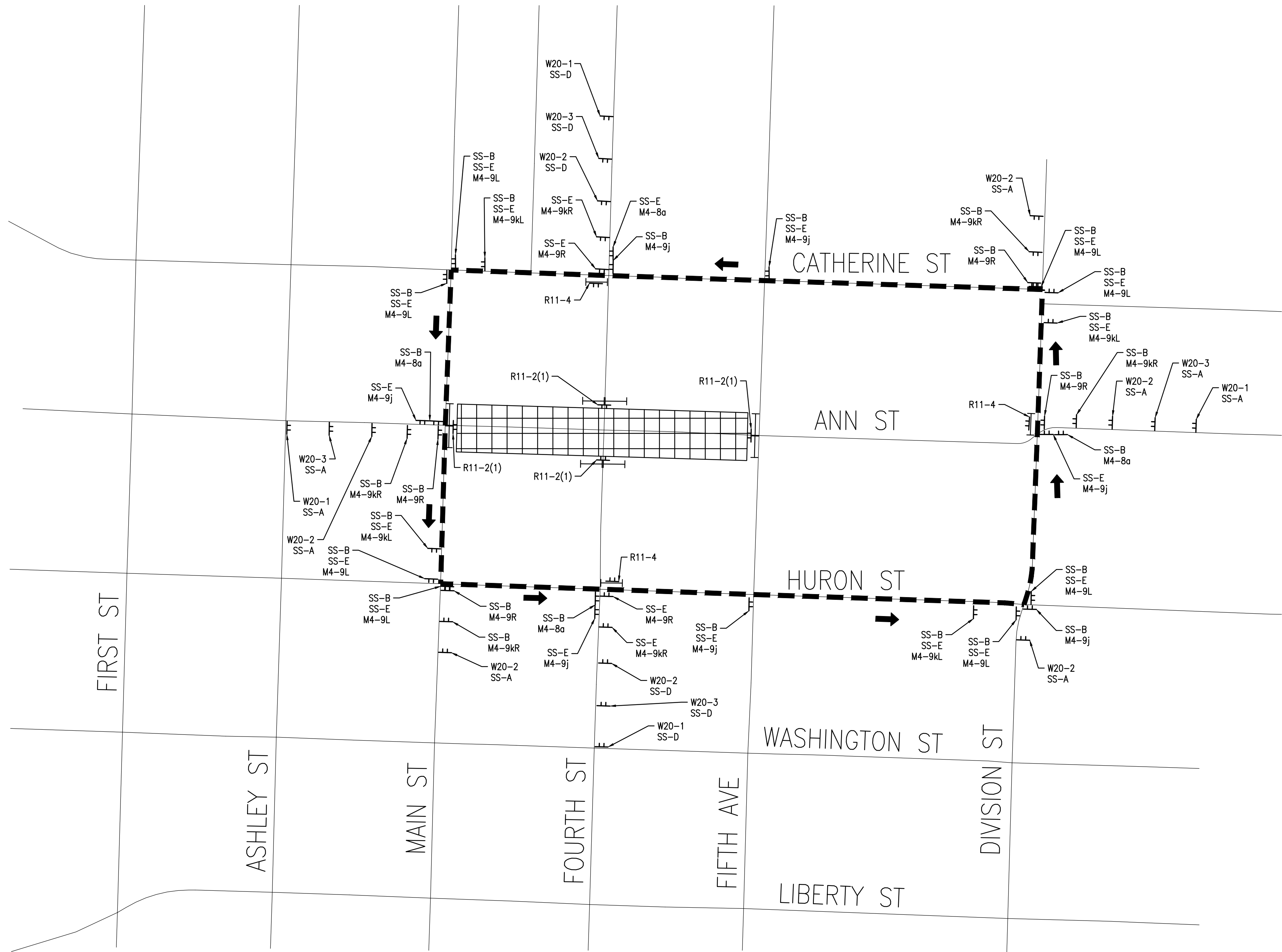
QUICK COUPLER INSTALLATION
NOT TO SCALE

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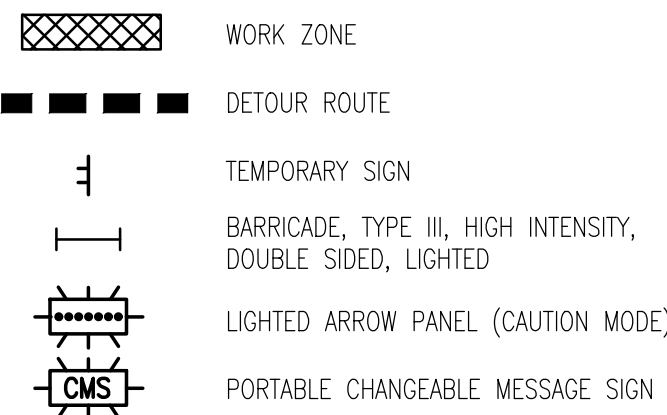
SIGNING LEGEND						
SIGN	SIGN CODE	SIZE	NUMBER REQUIRED	AREA (SFT)	TOTAL (SFT)	
	M4-8a	24"x18"	4	3	12	
	M4-9L	30"x24"	8	5	40	
	M4-9kL	30"x30"	4	6.25	25	
	M4-9R	30"x24"	6	5	30	
	M4-9kR	30"x30"	6	6.25	37.5	
	M4-9j	30"x24"	7	5	35	
	R11-2(1)	48"x30"	4	10	40	
	R11-4	60"x30"	3	12.5	37.5	
	W20-1	48"x48"	4	16	64	
	W20-2	48"x48"	7	16	112	
	W20-3	48"x48"	4	16	64	
	SS-A	48"x12"	9	4	36	
	SS-B	36"x12"	27	3	81	
	SS-C	36"x24"	0	6	0	
	SS-D	48"x12"	6	4	24	
	SS-E	36"x12"	22	3	66	
	SS-F	48"x12"	0	4	0	
	SS-G	36"x12"	0	3	0	
	SS-J	48"x12"	0	4	0	
	SS-H	36"x12"	0	3	0	
	SS-K	48"x12"	0	4	0	
	SS-L	36"x12"	0	3	0	



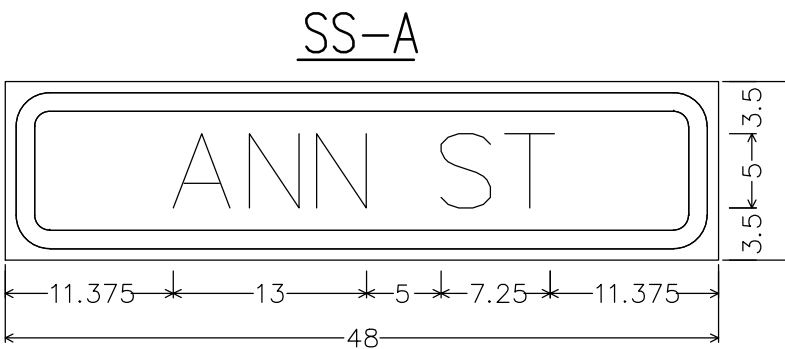
TRAFFIC NOTES:

1. "D" DISTANCE BETWEEN ADVANCED SIGNING SHALL BE PER MAINTAINING TRAFFIC TYPICAL 101-GEN-SPACING-CHARTS.
2. LOCATIONS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED IN THE FIELD BY THE CONTRACTOR AND/OR ENGINEER TO AVOID CONFLICT OR CONSTRUCTION BY EXISTING TREES, SIGNS, DRIVEWAYS ETC, PRESENT IN THE FIELD BUT NOT SHOWN IN THE PLANS.
3. PLACE ALL RELATED ROAD CLOSURE SIGNING AND CONSTRUCTION SIGNING PRIOR TO STARTING WORK.
4. NO OVERNIGHT STORAGE OF EQUIPMENT OR MATERIALS THAT CAN OBSCURE ANY INTERSECTIONS. DRIVEWAYS MUST BE ACCESSIBLE OVERNIGHT AT ALL TIMES.
5. ALL DETOUR SIGN SHALL BE COVERED ONCE THE ROAD IS OPENED TO TRAFFIC. IF THE GROUND MOUNTED SIGNS CAN'T BE REMOVED FROM THE ROW WITHIN 1 WEEK OF THE ROAD OPENING THEN THE DETOUR SIGNS SHALL BE COVERED WITH AN ACCEPTABLE SIGN COVER UNTIL REMOVED.
6. ALL TRAFFIC CONTROL DEVICES AND THEIR USAGE SHALL CONFORM TO MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD), 2011 EDITION PART 6, THE 2020 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, AND AS SPECIFIED HEREIN.

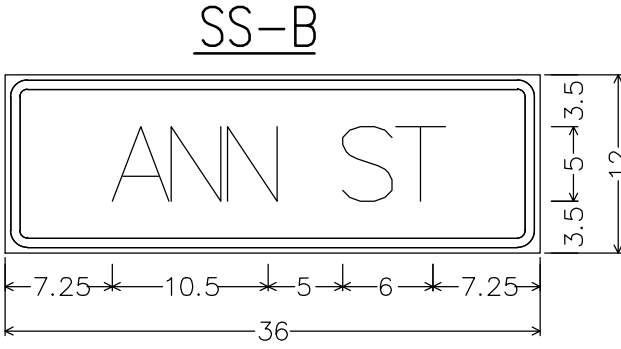
LEGEND



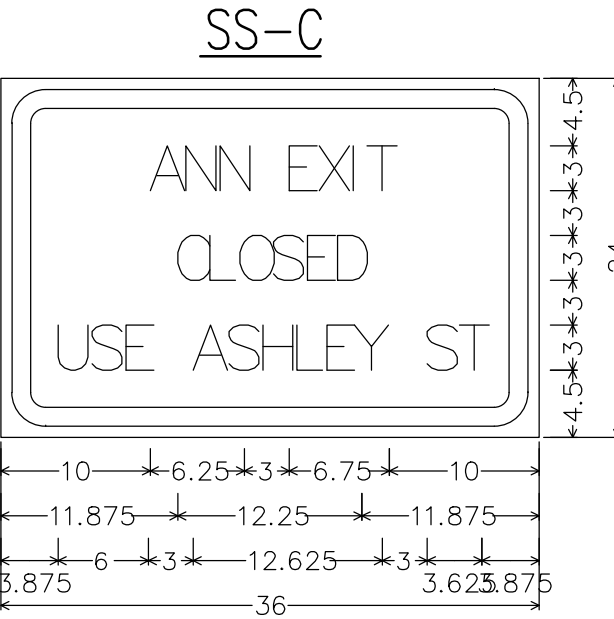
SIGN DETAILS



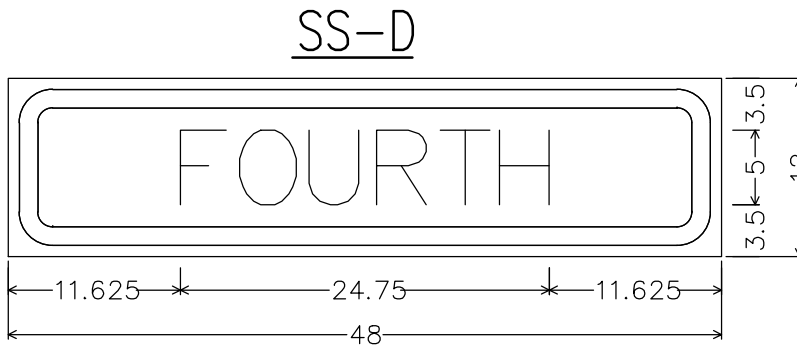
SS-A;
3.000" Radius, 1.250" Border, 0.750" Indent, Black on Orange;
"ANN ST", D;



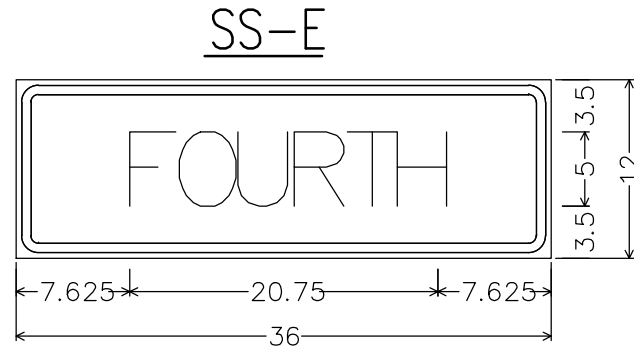
SS-B;
1.500" Radius, 0.625" Border, 0.375" Indent, Black on Orange;
"ANN ST", C;



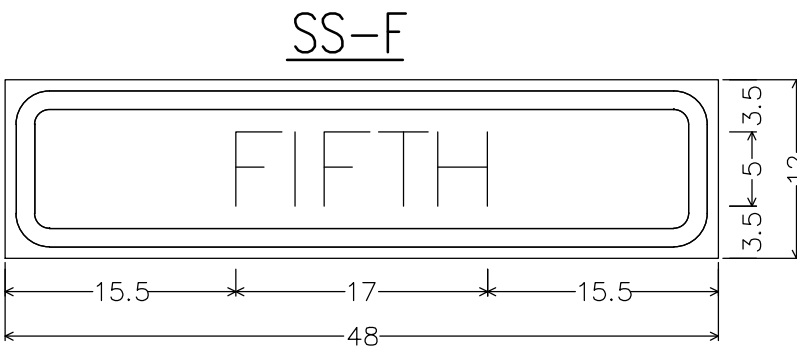
SS-C;
1.250" Border, 0.750" Indent, Black on Orange;
"ANN EXIT", C; "CLOSED", C;
"USE ASHLEY ST", C;



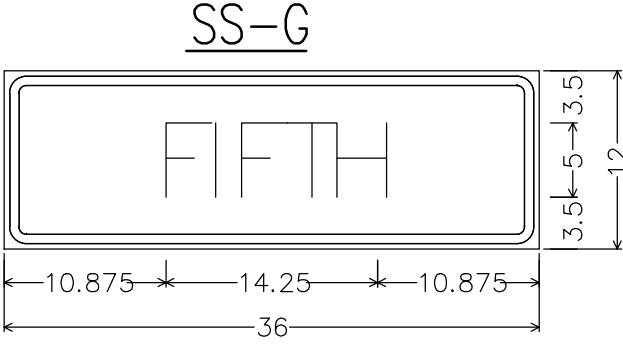
SS-D;
3.000" Radius, 1.250" Border, 0.750" Indent, Black on Orange;
"FOURTH", D;



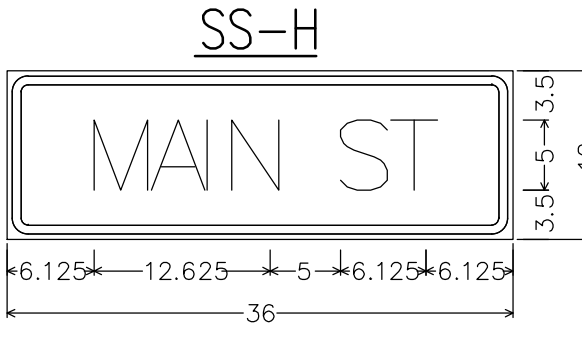
SS-E;
1.500" Radius, 0.625" Border, 0.375" Indent, Black on Orange;
"FOURTH", C;



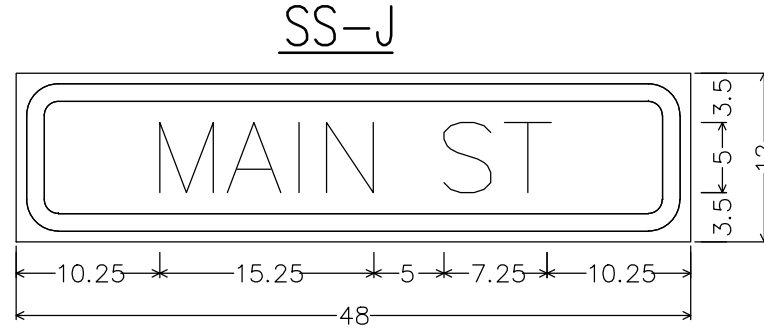
SS-F;
3.000" Radius, 1.250" Border, 0.750" Indent, Black on Orange;
"FIFTH", D;



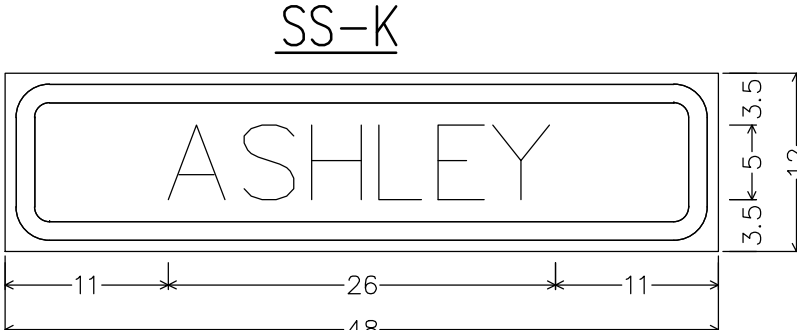
SS-G;
1.500" Radius, 0.625" Border, 0.375" Indent, Black on Orange;
"FIFTH", C;



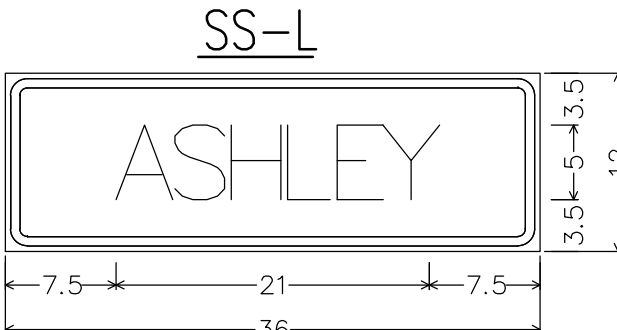
SS-H;
1.500" Radius, 0.625" Border, 0.375" Indent, Black on Orange;
"MAIN ST", C;



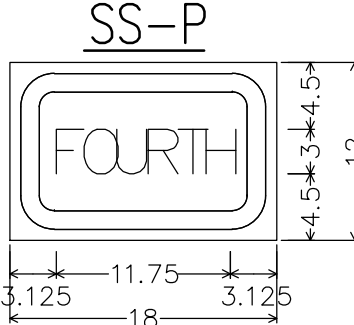
SS-J;
3.000" Radius, 1.250" Border, 0.750" Indent, Black on Orange;
"MAIN ST", D;



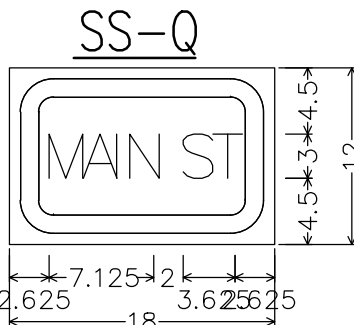
SS-K;
3.000" Radius, 1.250" Border, 0.750" Indent, Black on Orange;
"ASHLEY", D;



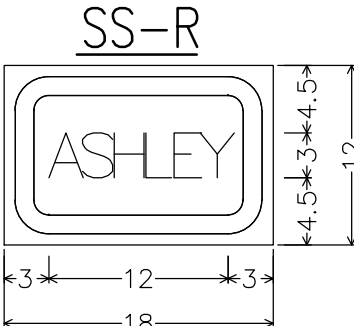
SS-L;
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"ASHLEY", C;



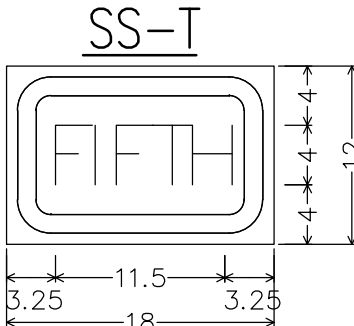
SS-P;	SS-Q;
3.000" Radius, 1.250" Border, 0.750" Indent, Black on Orange	3.000" Radius, 1.250" Border, 0.750" Indent, Black on Orange;
"FOURTH", C 75% spacing;	"MAIN ST", C 75% spacing;



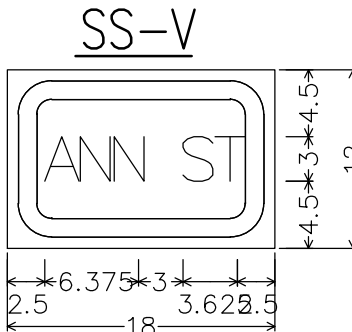
SS-Q;
3.000" Radius, 1.250" Border, 0.750" Indent, Black on Orange;
"MAIN ST", C 75% spacing;



SS-R;	SS-T;
3.000" Radius, 1.250" Border, 0.750" Indent, Black on Orange;	3.000" Radius, 1.250" Border, 0.750" Indent, Black on Orange;
"ASHLEY", C 75% spacing;	"FIFTH", C;



SS-T;
3.000" Radius, 1.250" Border, 0.750" Indent, Black on Orange;
"FIFTH", C;



SS-V;
3.000" Radius, 1.250" Border, 0.750" Indent, Black on Orange;
"ANN ST", C;

[illegible]

**CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PLAN: #####

SALE PLAN: #

DRAWING No. 022-025-53

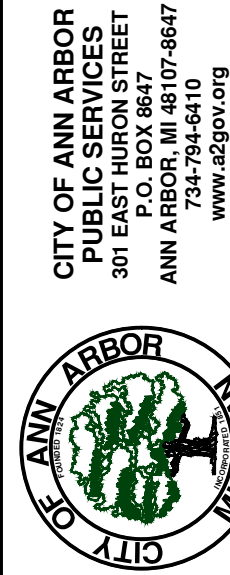
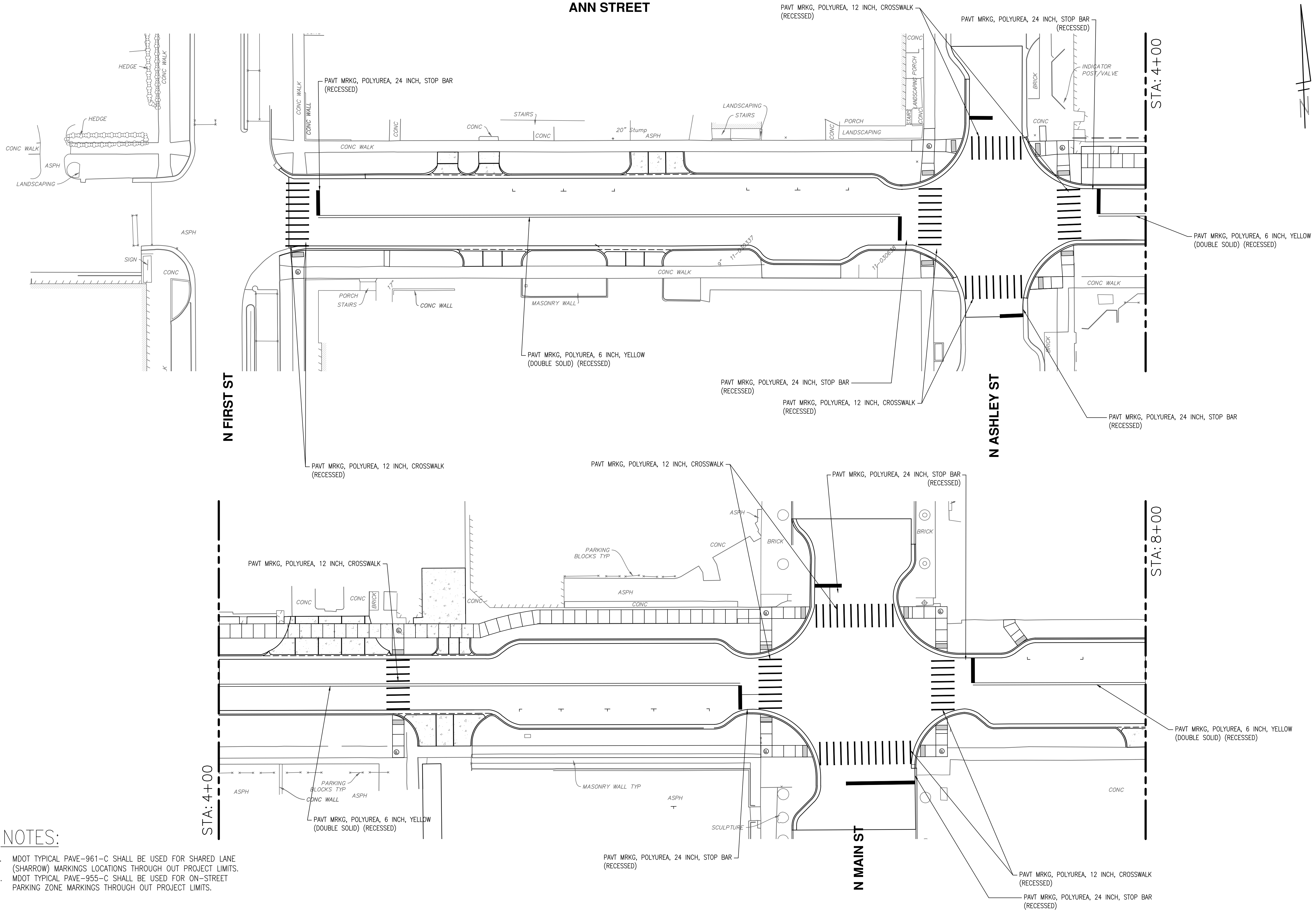
ANN STREET IMPROVEMENTS

MAINTENANCE OF TRAFFIC DETOUR SIGNS

P:\0000_0100\0028220080_Ann_St-Washtenaw_Ave_WM_Designs\Drawings\Civil\PM5\220080PMS.dwg Dwg Created: 16-Dec-25 --_02 standard bw.stb -- Plot Date: 16-Dec-25

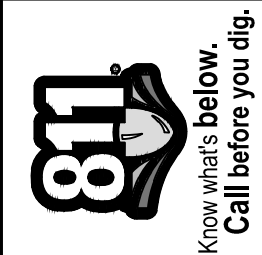
NOTES:

- MDOT TYPICAL PAVE-961-C SHALL BE USED FOR SHARED LANE (SHARROW) MARKINGS LOCATIONS THROUGH OUT PROJECT LIMITS.
- MDOT TYPICAL PAVE-955-C SHALL BE USED FOR ON-STREET PARKING ZONE MARKINGS THROUGH OUT PROJECT LIMITS.

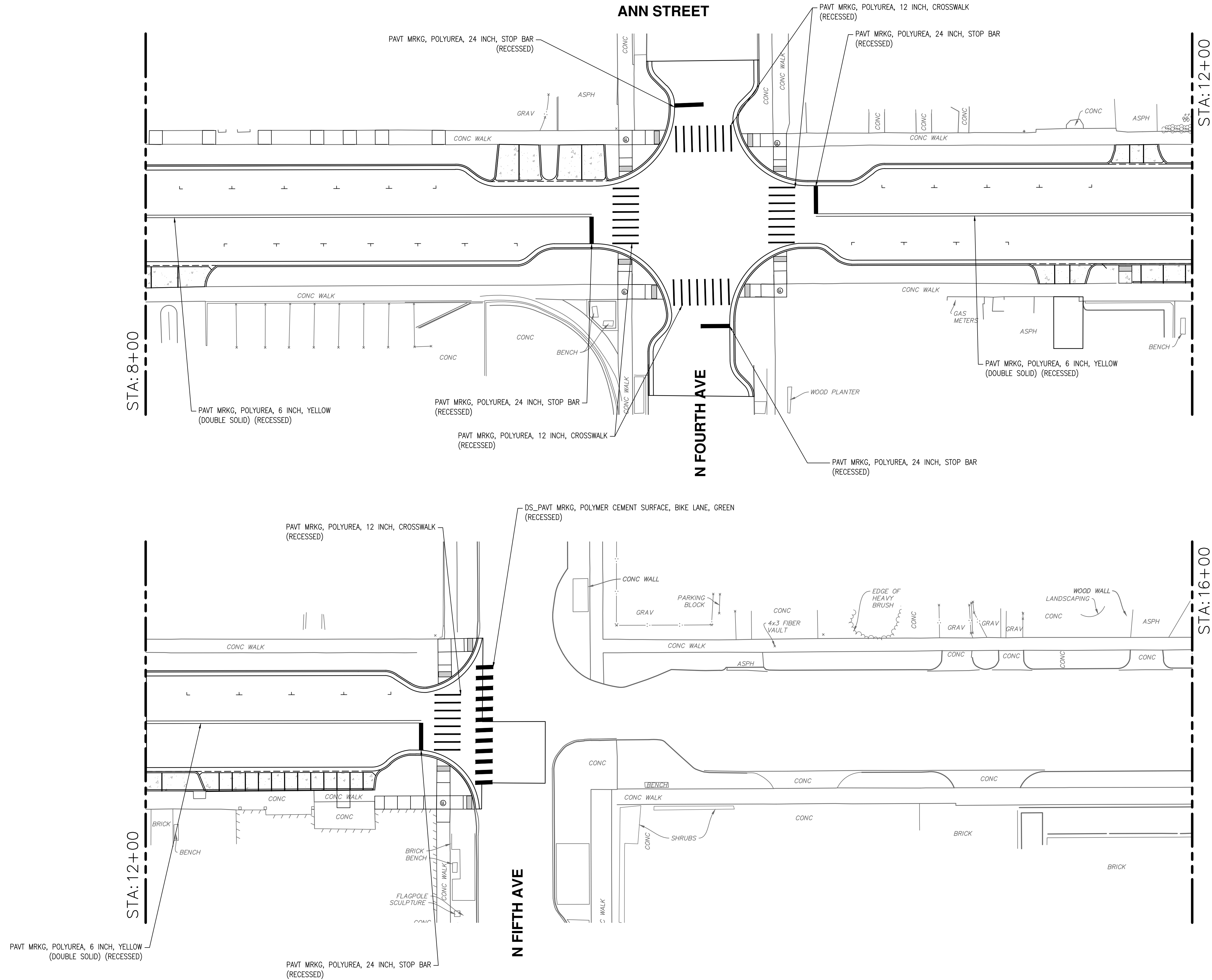


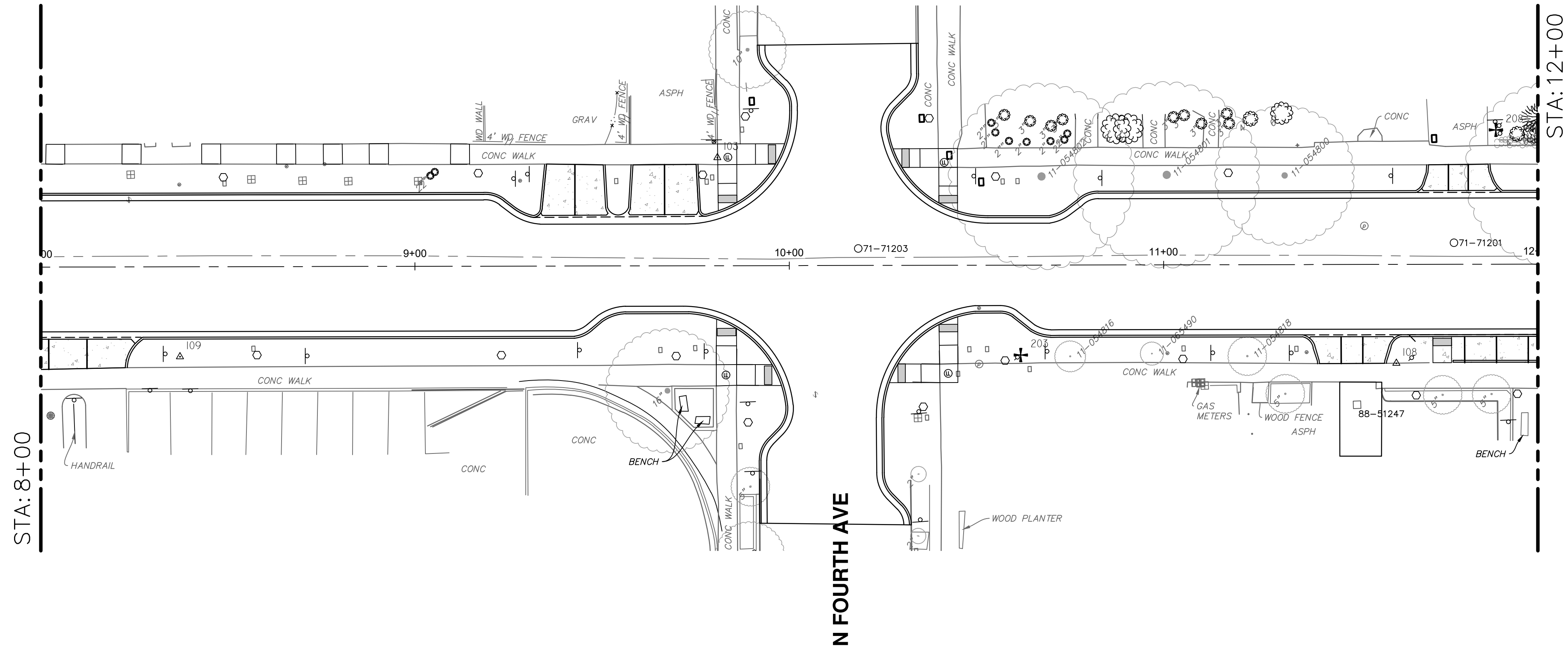
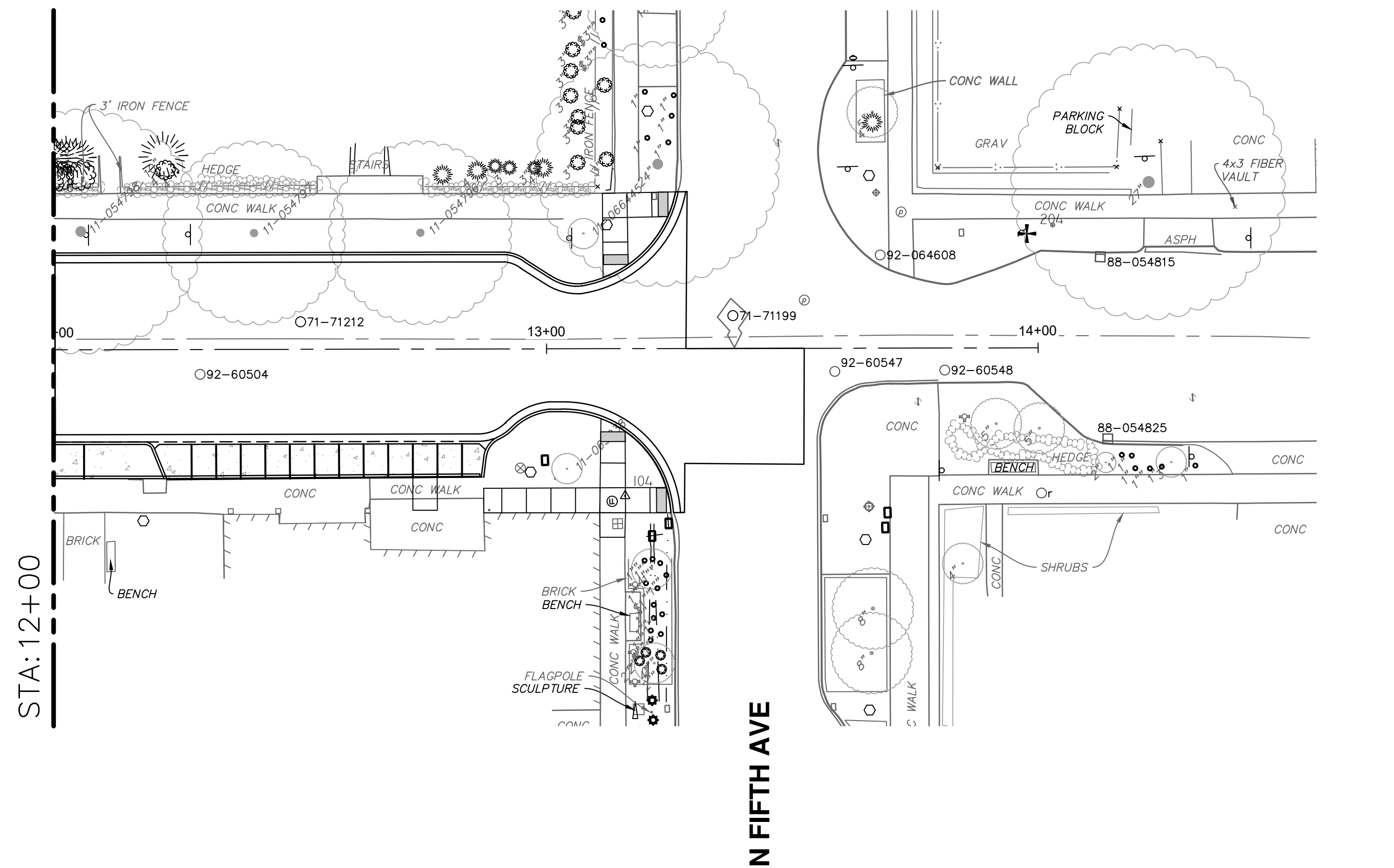
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANN STREET WATER MAIN REPLACEMENT
AND ROAD RESURFACING
PERMANENT PAVEMENT MARKINGS P.O.B. TO STA 8+00

SCALE PLAN: 1" = 20'
DRAWING No. 2022-025-54



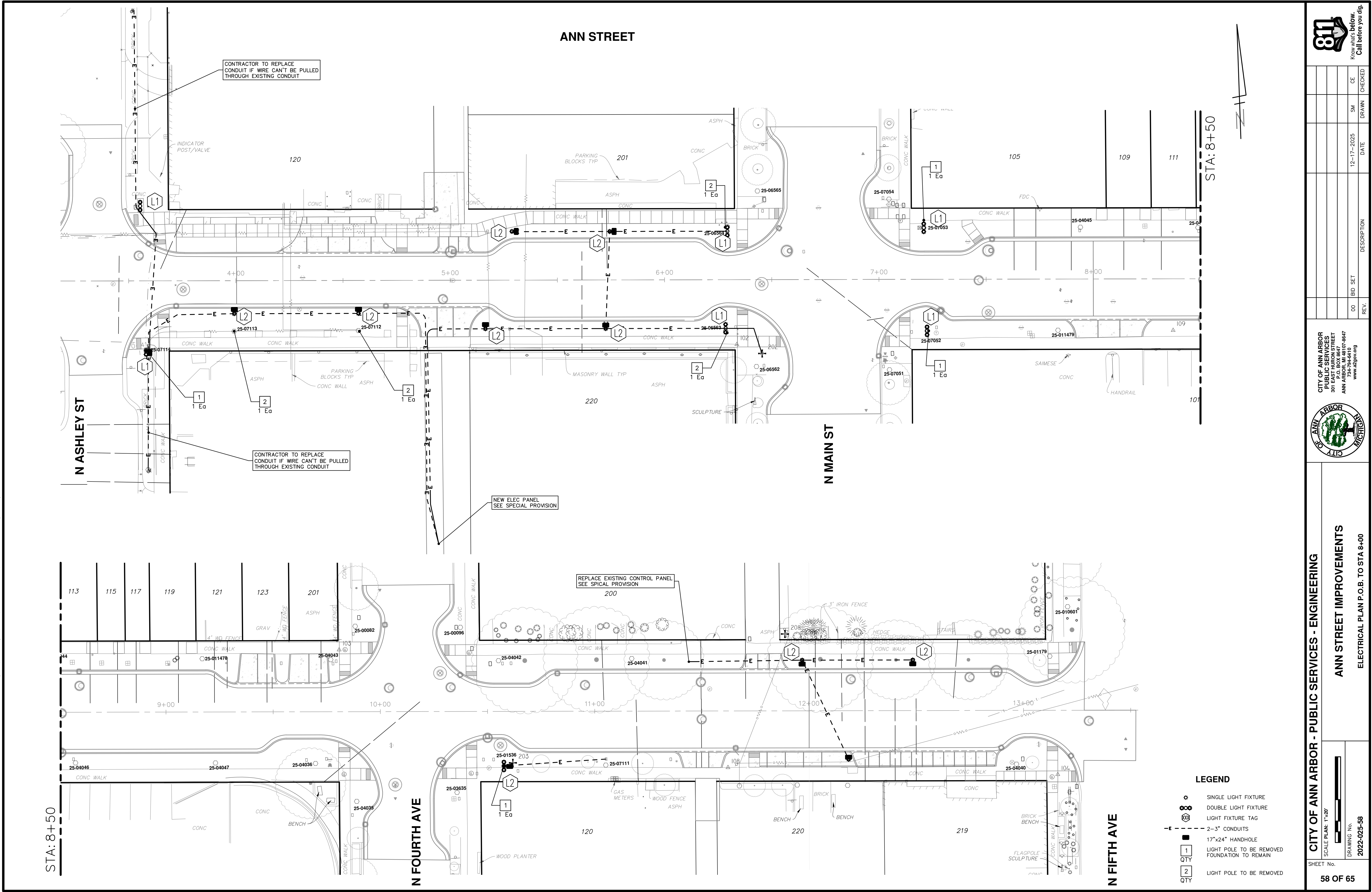
REV.	DESCRIPTION	DATE	SM	CE	CHECKED
00	BID SET	12-17-2025	SM	CE	CHECKED



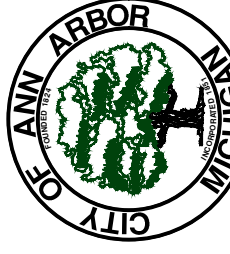


SIGNS									
Location	Sign Code	Sign Size (in)	DS_Ground mfd Sign Support, Rem (Ea)	DS_Sign Type III, Rem (Ea)	Sign, Rem, Salv (Ea)	Sign, Type IIIB, Modified (Sft)	Sign, Type IIIA, Modified (Sft)	DS_Perforated Steel Square Tube Breakaway System, Modified (Ea)	Post, Steel, 3lb (Ft)
8+32, R	R7-2 Mod	12x18	1	2		1.5		1	13
8+70, R	R7-2 Mod	12x18							
8+70, R	Bus Overflow Parking	12x18				1.5			
9+43, R	R7-2 Mod	12x18	1	1	2	1.5		1	15
9+43, R	Bus Overflow Parking	12x18				1.5			
9+43, R	R7-1	12x18				1.5			
9+76, R	R1-1	36x36	1		2			1	15
9+88, R	W11-1	24x24	1		2			1	14
9+27, L	R7-1	12x18	1		2			1	14
9+29, L	Wayfind		1	1					
9+92, L	R1-1	36x36	1		2			1	15
9+92, L	R7-1	12x18	1		2			1	15
10+40, L	Wayfind		1	1					
10+40, L	R7-8	12x18	1		2			1	15
10+48, L	R1-1	36x36	1		4			1	14
10+34, R	R7-1	12x18	1		2			1	14
10+34, R	R1-1	36x36	1		2			1	15
10+68, R	R7-2 Mod	12x18	1	1	2	1.5		1	15
10+68, R	Bus Overflow Parking	12x18				1.5			
11+12, R	R7-2 Mod	12x18	1	1	2	1.5		1	15
11+12, R	Bus Overflow Parking	12x18				1.5			
11+33, R	Driveway	18x24			1			1	13
10+73, L	R7-1	18x24	1		2			1	14
11+64, R	R7-1	18x24	1		3			1	15
11+64, R	R7-1	18x24	1		2			1	15
11+64, R	R7-1	18x24	1		2			1	15
12+27, L	R7-1	18x24	1		2			1	15
13+05, L	R7-1	18x24	1		2			1	15
13+13, R	R10-11				1				13
	Totals:		21	7		13.5	0	20	304

P:\0000_0100\0028220080_Ann_St-Washtenaw_Ave_WM_Designs\Drawings\Civil\Plans_Const\220080Elec.dwg Dwg Created: 19-Jun-25 --_a2 standard bw.stb -- Plot Date: 16-Dec-25



CITY OF ANN ARBOR
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ANN ARBOR, MI 48106
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
ANN STREET IMPROVEMENTS
ELECTRICAL PLAN P.O.B. TO STA 8+00

SCALE PLAN: 1"=20'
DRAWING No. 2022-025-58
SHEET No. 58 OF 65

REV. 00 BID SET 12-17-2025 DATE 12-17-2025 SM DRAWN CE CHECKED

Site plan showing a residential property with a driveway, parking area, and various structures. The plan includes labels for 'CONC WALK', 'CONC WALL', 'ASPH', 'CONC', and 'PORCH'. It also shows a 'STAIRS' area. Utility markers and dimensions are indicated throughout the plan.

Key features and labels:

- Driveway:** Labeled 'ASPH' (Asphalt).
- Parking Area:** Labeled 'CONC' (Concrete).
- Walkways:** Labeled 'CONC WALK'.
- Walls:** Labeled 'CONC WALL'.
- Stairs:** Labeled 'STAIRS'.
- Utility Markers:**
 - 88-057103, 92-065823, 71-70470, 71-70477, 88-057102, 92-065821, 88-065821, 88-057079, 811.10, 811.61, 810.97, 01-05554, 811.30, 811.11, 810.98, 811.21, 811.32, 811.33.
- Dimensions:** 6"r, 4"r, 200.
- Other Labels:** 0+00, 88-057104, 88-057082, 92-065822.

[illegible][illegible]

This architectural site plan depicts a building complex with a central road and several rooms. The plan includes the following details:

- Central Road:** A horizontal road runs through the center, marked with a dashed line and a centerline. A road sign with a cross inside a circle is located on the left side of the road. A distance marker "7+00" is indicated on the right side of the road.
- Rooms and Features:**
 - Top Left:** A room labeled "LL" (Living Room) with a fireplace and a window. A room labeled "CB1" (Cabinet) is adjacent to it.
 - Top Right:** A room labeled "LL" (Living Room) with a fireplace and a window. A room labeled "CB3" (Cabinet) is adjacent to it.
 - Bottom Left:** A room labeled "LL" (Living Room) with a fireplace and a window. A room labeled "CB2" (Cabinet) is adjacent to it.
 - Bottom Right:** A room labeled "LL" (Living Room) with a fireplace and a window. A room labeled "CB3" (Cabinet) is adjacent to it.
- Other Features:**
 - A room labeled "R1" (Room) is located near the center of the plan.
 - A room labeled "71-70652" is located near the center of the plan.
 - A room labeled "202" is located near the bottom left.
 - A room labeled "88" is located near the bottom right.
- Orientation and Scale:** A north arrow is located near the center of the plan, pointing towards the top right. A scale bar is located near the bottom right, indicating a distance of 10 meters.

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING		SHEET No.	60 OF 65		
SCALE PLAN: 1" = 10'		PROFILE: 1" = 3'			
DRAWING NO. 2022-025-60					
		ANN STREET IMPROVEMENTS DETAIL GRADING PLAN P.O.B. TO STA +987.00			
CITY OF ANN ARBOR PUBLIC SERVICES 301 EAST HURON STREET ANN ARBOR, MI 48107-8647 734-794-4410 www.aagov.org		<div style="float:right;"> 811 Know what's below. Call before you dig. </div>			
REV.	BID SET	DESCRIPTION	DATE	DRAWN	CHECKED
00	BID SET		12-17-2025	SM	CE

P:\0000_0100\0028220080_Ann_St-Washtenaw_Ave_WM_Designs\Drawings\Civil\Misc\220080SESC.dwg Dwg Created: 22-Aug-22 - _a2_standard bw.stb - Plot Date: 16-Dec-25

- GENERAL**
NOTIFY THE CITY OF ANN ARBOR SOIL EROSION CONTROL OFFICE 48 HOURS PRIOR TO BEGINNING WORK ON THE PROJECT. PHONE: 734-794-6265.
1. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THE SOIL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER AT ALL TIMES DURING CONSTRUCTION. ANY MODIFICATIONS OR ADDITIONS TO THE SOIL EROSION CONTROL MEASURES DUE TO CONSTRUCTION OR CHANGED CONDITIONS SHALL BE AS DIRECTED AND APPROVED BY THE ENGINEER.
 2. ALL SOIL EROSION AND SEDIMENTATION CONTROL WORK SHALL CONFORM TO THE PERMIT REQUIREMENTS OF THE CITY OF ANN ARBOR, THE LAWS OF THE STATE OF MICHIGAN, AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
 3. DAILY, OR AFTER ANY STORM EVENT, INSPECTIONS OF EROSION CONTROL MEASURES SHALL BE MADE BY THE CONTRACTOR. PERIODIC INSPECTIONS MAY BE MADE BY THE ENGINEER TO DETERMINE THE EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES. ANY NECESSARY CORRECTIONS SHALL BE MADE WITHOUT DELAY, AND WITHOUT ADDITIONAL COST TO THE CITY OF ANN ARBOR.
 4. EROSION AND SEDIMENTATION FROM WORK ON THE SITE SHALL BE CONTAINED ON THE SITE AND NOT BE ALLOWED TO COLLECT ON ANY OFF-SITE AREAS, ROADWAYS OR WATERWAYS.
 5. ALL MUD/SOIL TRACKED ONTO ROADWAYS FROM THE SITE DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR. IF SO ORDERED, THE CONTRACTOR SHALL PROVIDE AND OPERATE A VACUUM-TYPE STREET SWEEPER, AT NO ADDITIONAL COST TO THE CITY OF ANN ARBOR.
 6. RESTORATION OF ALL DISTURBED AREAS, INCLUDING PLACEMENT OF TOPSOIL, SEED, FERTILIZER AND MULCH AND/OR SOD SHALL BE PERFORMED WITHIN FIVE (5) DAYS OF THE COMPLETION OF FINAL GRADE.
 7. CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE SOIL EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION IN CRITICAL AREAS AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING OPERATIONS.
 8. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
 9. PROPER DUST CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION BY USE OF

- WATER TRUCKS AND/OR OTHER METHODS APPROVED BY THE ENGINEER.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND REMOVAL OF SOME MEASURES UPON AUTHORIZED COMPLETION OF THE PROJECT. FINAL COMPLETION OF PROJECT WILL NOT BE AUTHORIZED UNTIL ALL SITE WORK AND UTILITY CONSTRUCTION IS COMPLETE AND ALL SOILS ARE STABILIZED.
 11. THE CONTRACTOR SHALL NOT GRADE INTO ADJACENT PROPERTIES. SILT AND PROTECTIVE FENCE SHALL BE INSTALLED AND MAINTAINED TO PREVENT GRADING, EROSION AND SEDIMENTATION INTO THE ADJACENT PROPERTIES.
 12. TREE PROTECTION FENCING MUST REMAIN INTACT UNTIL RESTORATION OF THE SITE IS COMPLETE.
- SEQUENCE OF EROSION CONTROL MEASURES:**
1. THE CONTRACTOR IS TO SUBMIT TO THE ENGINEER, A SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION CONTROL MEASURES FOR REVIEW, COMMENT AND APPROVAL. THIS SCHEDULE IS TO INCLUDE INSPECTION AND REPAIR OF ALL TEMPORARY EROSION CONTROL MEASURES DAILY AND WITHIN 24 HOURS OF A STORM EVENT.
- SAMPLE SOIL EROSION AND SEDIMENTATION CONTROL INSTALLATION MINIMUM REQUIREMENTS:**
- 1.1. INSTALL SILT FENCE, TREE PROTECTION FENCING, MUD MATS, INLET FILTERS ON EXISTING DRAINAGE FEATURES, AND ALL OTHER TEMPORARY SOIL EROSION CONTROLS, PRIOR TO ANY CLEARING OR EARTH MOVING OPERATION.
 - 1.2. STRIP AND STOCKPILE TOPSOIL. STABILIZE STOCKPILE AS REQUIRED.
 - 1.3. INSTALL WATER MAINS, STORM AND SANITARY SEWERS, AND OTHER ENCLOSED DRAINAGE FEATURES. NEW INLET FILTERS SHALL BE INSTALLED IMMEDIATELY FOLLOWING INSTALLATION OF NEW DRAINAGE INLETS.
 - 1.4. PERFORM MACHINE GRADING OPERATIONS AND CONSTRUCT PAVEMENTS (MAINLINE, SIDEWALKS, DRIVES, ETC.).
 - 1.5. CONTINUALLY MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES, AS REQUIRED TO ALLOW DRAINAGE AND SEDIMENT REMOVAL. REMOVE ANY ACCUMULATED SEDIMENT IMMEDIATELY.
 - 1.6. COMPLETE ALL FINE GRADING.

- 1.7. TEMPORARY SEED AND INSTALL EROSION CONTROL BLANKET IN ALL DISTURBED AREAS.
- 1.8. REFER TO LANDSCAPE PLANTING PLANS FOR PERMANENT SITE STABILIZATION.
- 1.9. CLEAN OUT STORM SEWER SYSTEMS.
- 1.10. REMEDY ANY NOTED DEFECTS TO THE SATISFACTION OF THE CITY OF ANN ARBOR'S SOIL EROSION AND SEDIMENTATION CONTROL OFFICIAL.
- 1.11. ALL TEMP. SOIL EROSION CONTROL MEASURES MUST BE REMOVED, WITH ENGINEERS APPROVAL, PRIOR TO FINAL INSPECTION

NOTE: THIS SEQUENCE IS FOR INFORMATION ONLY. IT IS INTENDED TO SHOW THE SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THEIR OWN DETAILED CONSTRUCTION SEQUENCE AND SCHEDULE TO THE ENGINEER FOR REVIEW, COMMENT, AND APPROVAL.

TEMPORARY SEEDING:

1. SEED IN ACCORDANCE WITH PROJECT DRAWINGS AND SPECIFICATIONS.
2. ANY DISTURBED AREA NOT PAVED, SEEDED, MULCHED, SODDED OR BUILT UPON BY NOVEMBER 15TH OR JUNE 30TH IS TO BE TEMPORARILY STABILIZED PER SPECIFICATIONS.

THE ESTIMATED COST OF SOIL EROSION AND SEDIMENTATION CONTROL MEASURES, TOPSOIL, SEEDING, AND MULCH = \$35,000.

ESTIMATE OF EXCAVATION AND FILL FROM EXISTING TO FINAL GRADE:

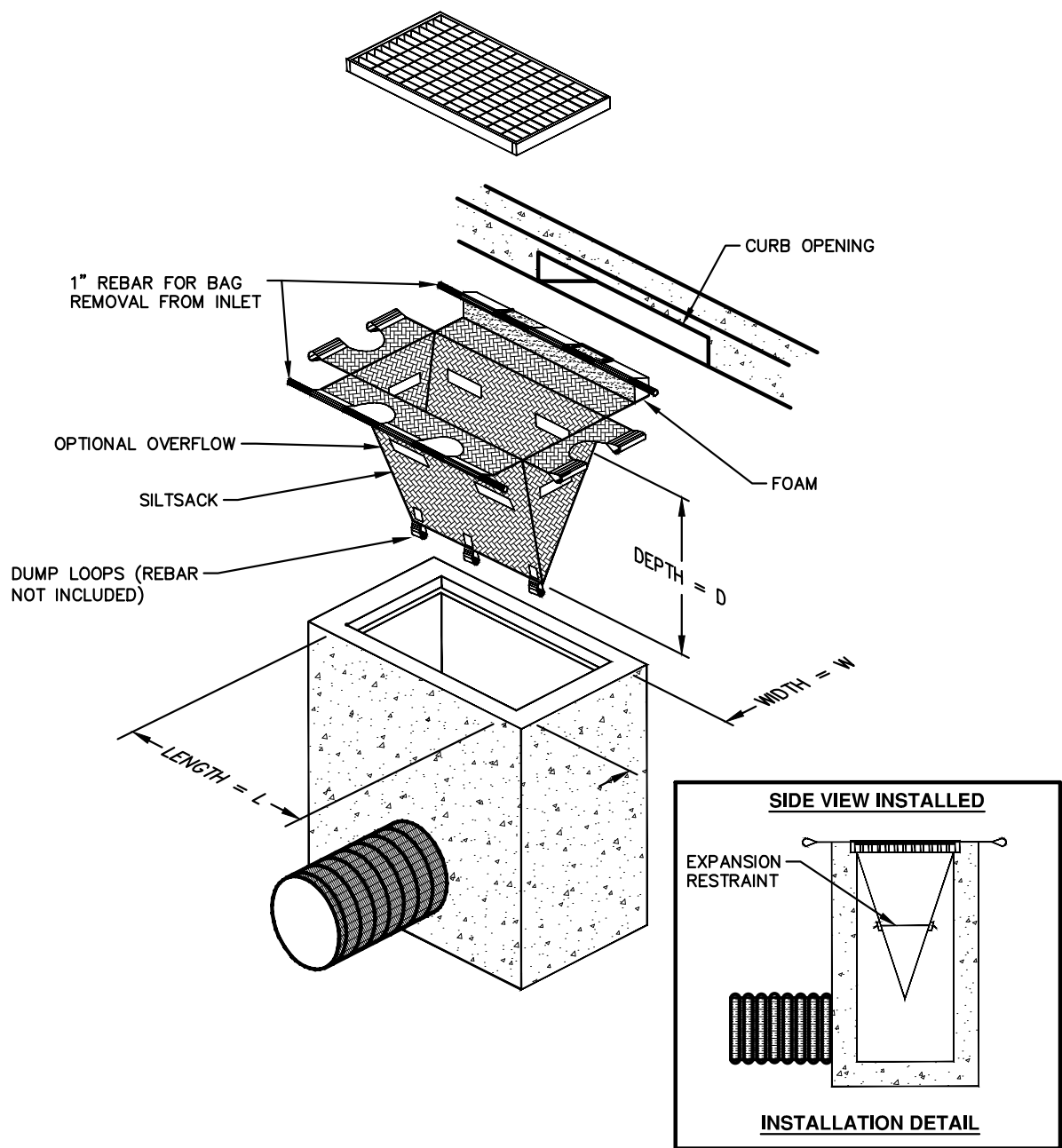
- EXCAVATION = 400 CY, FILL = 250 CY

ON SITE SOILS PER THE USDA SOIL SURVEY OF WASHTENAW COUNTY, MICHIGAN:

- BbB - BLOUNT LOAM - 2% TO 6% SLOPES.
- CpA - CONOVER BROOKSTON LOAMS - 0% TO 2% SLOPES
- Pe - PEWAMO CLAY LOAM - 0% TO 2% SLOPES
- StB - ST. CLAIR CLAY LOAM, 2% TO 6% SLOPES
- WgA - WAWASEE LAOM, 2% TO 6% SLOPES

IMPERVIOUS PROJECT AREA
27,240 ft2 - WALK = 0.625 AC
16,700 ft2 - PATH = 0.383 AC

TOTAL AREA OF PROPOSED DISTURBANCE = 3.75 AC
1.05 AC - XXX ROAD
2.70 AC - XXXX ROAD



SILTSACK DETAIL

NOTE: THE SILTSACK WILL BE MANUFACTURED FROM A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS.

REGULAR FLOW SILTSACK

(FOR AREAS OF LOW TO MODERATE PRECIPITATION AND RUN-OFF)

PROPERTIES	REQUIRED VALUE	TEST METHOD
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80%
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC -1

HI-FLOW SILTSACK

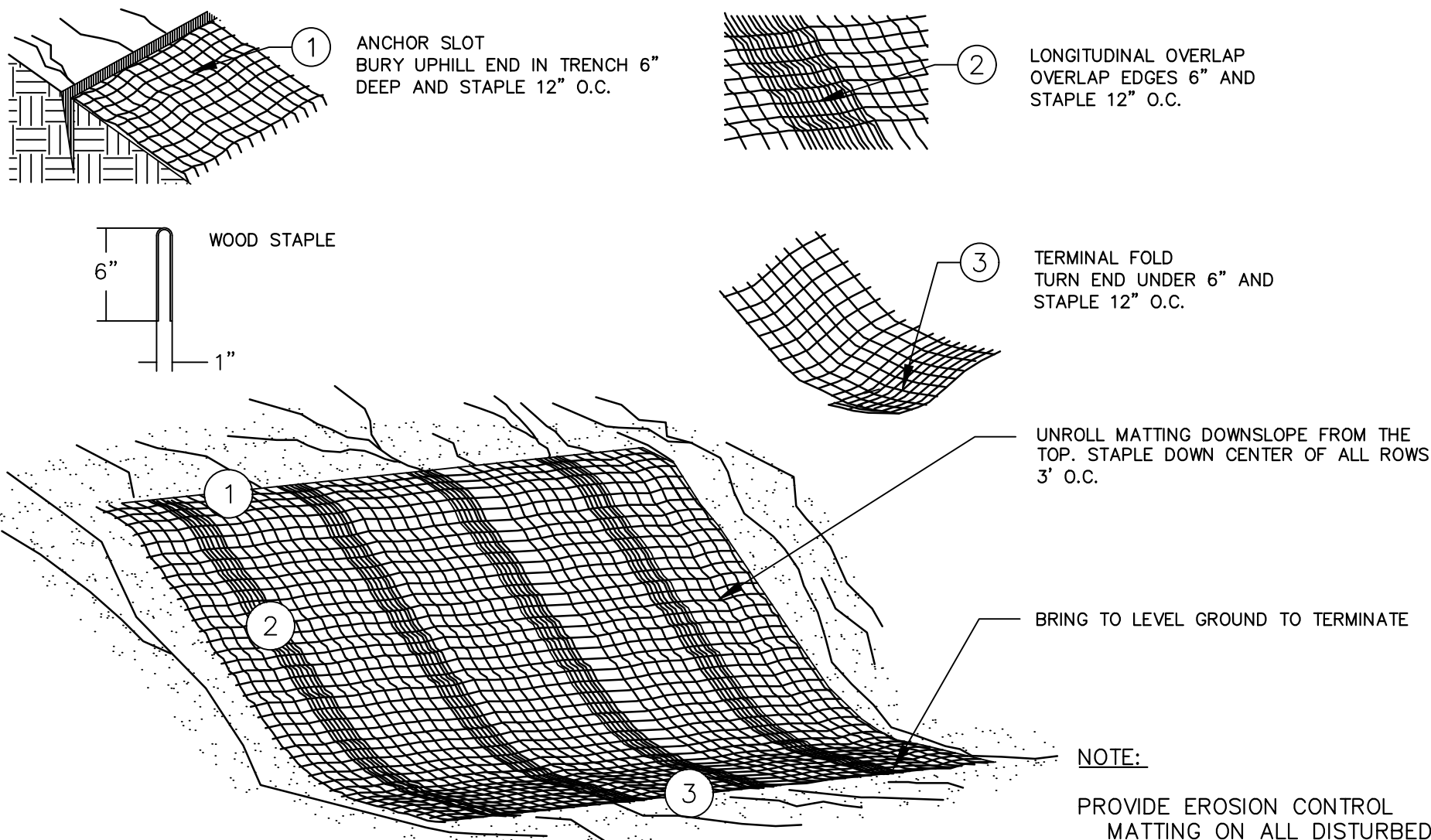
(FOR AREAS OF MODERATE TO HEAVY PRECIPITATION AND RUN-OFF)

PROPERTIES	REQUIRED VALUE	TEST METHOD
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90%
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	1.5 SEC-1

OIL-ABSORBANT SILTSACK

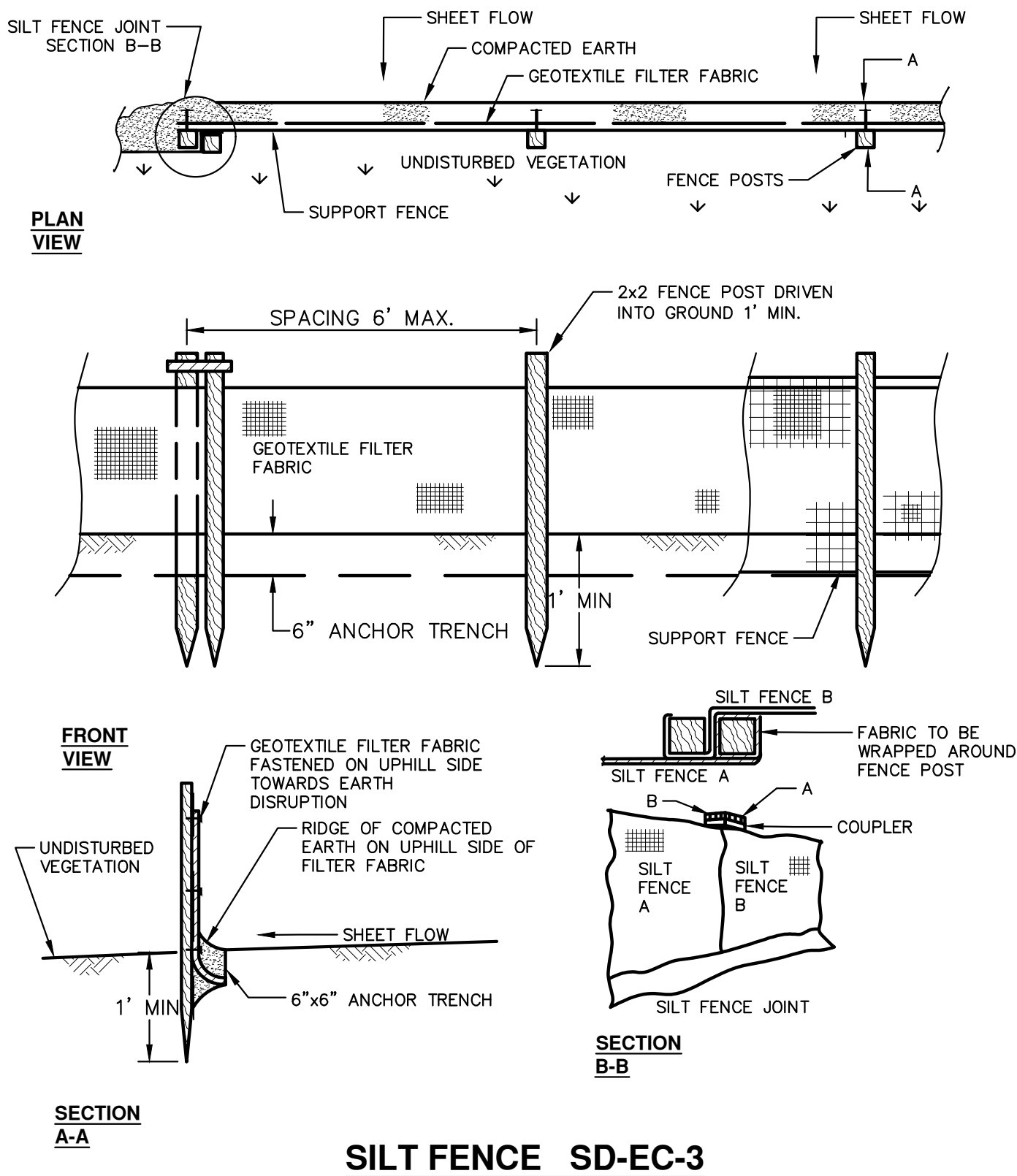
(FOR AREAS WHERE THERE IS A CONCERN FOR OIL RUN-OFF OR SPILLS)

IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS THAT THE CONTRACTOR INSTALL THE REBAR AS SHOWN IN THIS DETAIL TO PROVIDE A FULLY FUNCTIONING UNIT. ALL COSTS ASSOCIATED WITH FURNISHING, CLEANING AS MANY TIMES AS REQUIRED, DISPOSAL OF SEDIMENT, AND REMOVING THE INLET FILTER WHEN NO LONGER NEEDED IS INCLUDED IN THE ITEM OF WORK AND WILL NOT BE PAID FOR SEPARATELY.



MULCH BLANKET DETAIL

APPLIES TO ALL AREAS TO BE PERMANENTLY RESTORED WITH GRASS. SEE LANDSCAPE PLANS FOR MORE DETAILS.



SILT FENCE SD-EC-3

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 9847
ANN ARBOR, MI 48106-0847
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

ANN STREET IMPROVEMENTS

SESC NOTES AND DETAILS



SCALE : NTS

DRAWING No.

2022-025-61

SHEET No.

61 OF 65



Know what's below.
Call before you dig.

CHECKED

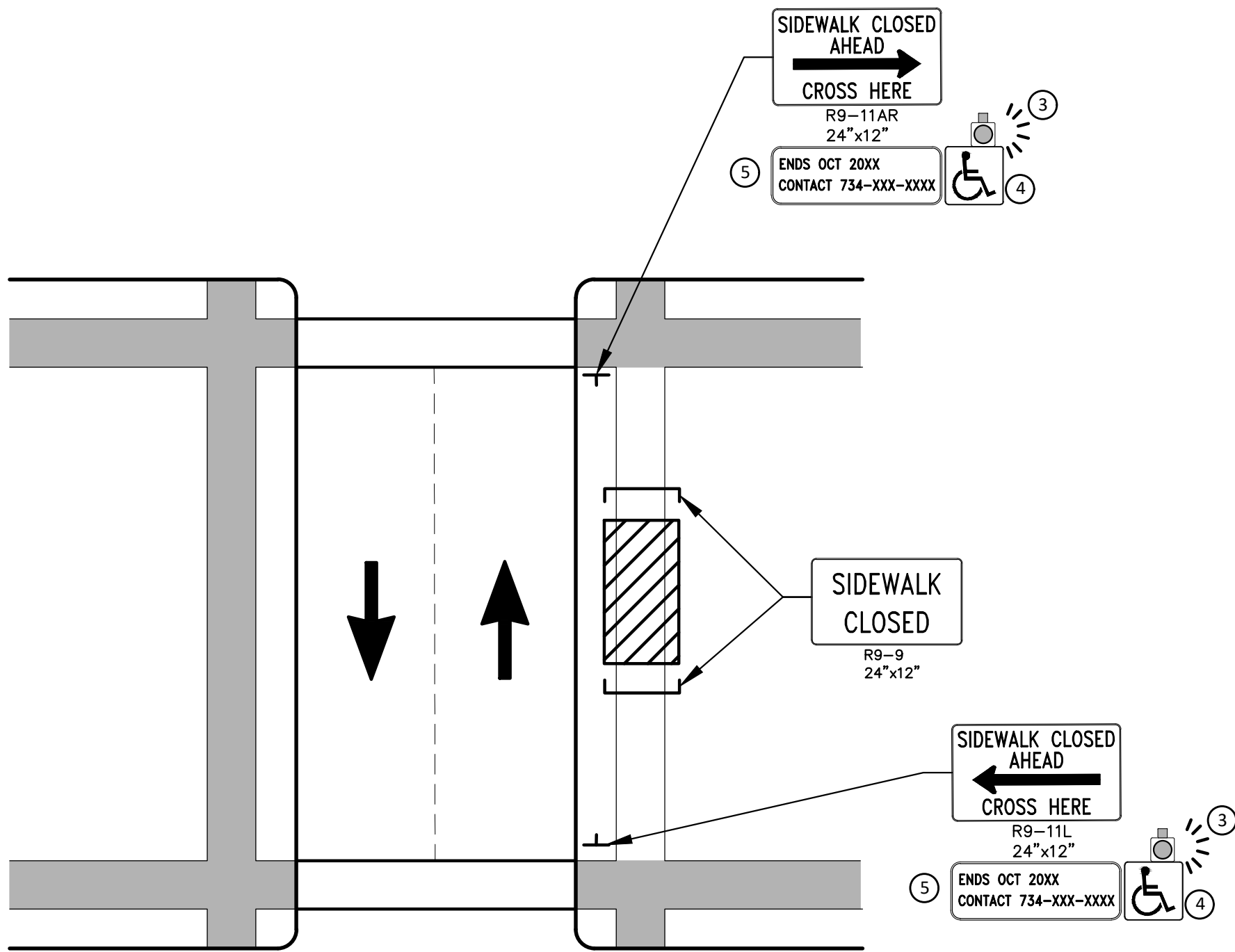
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DATE

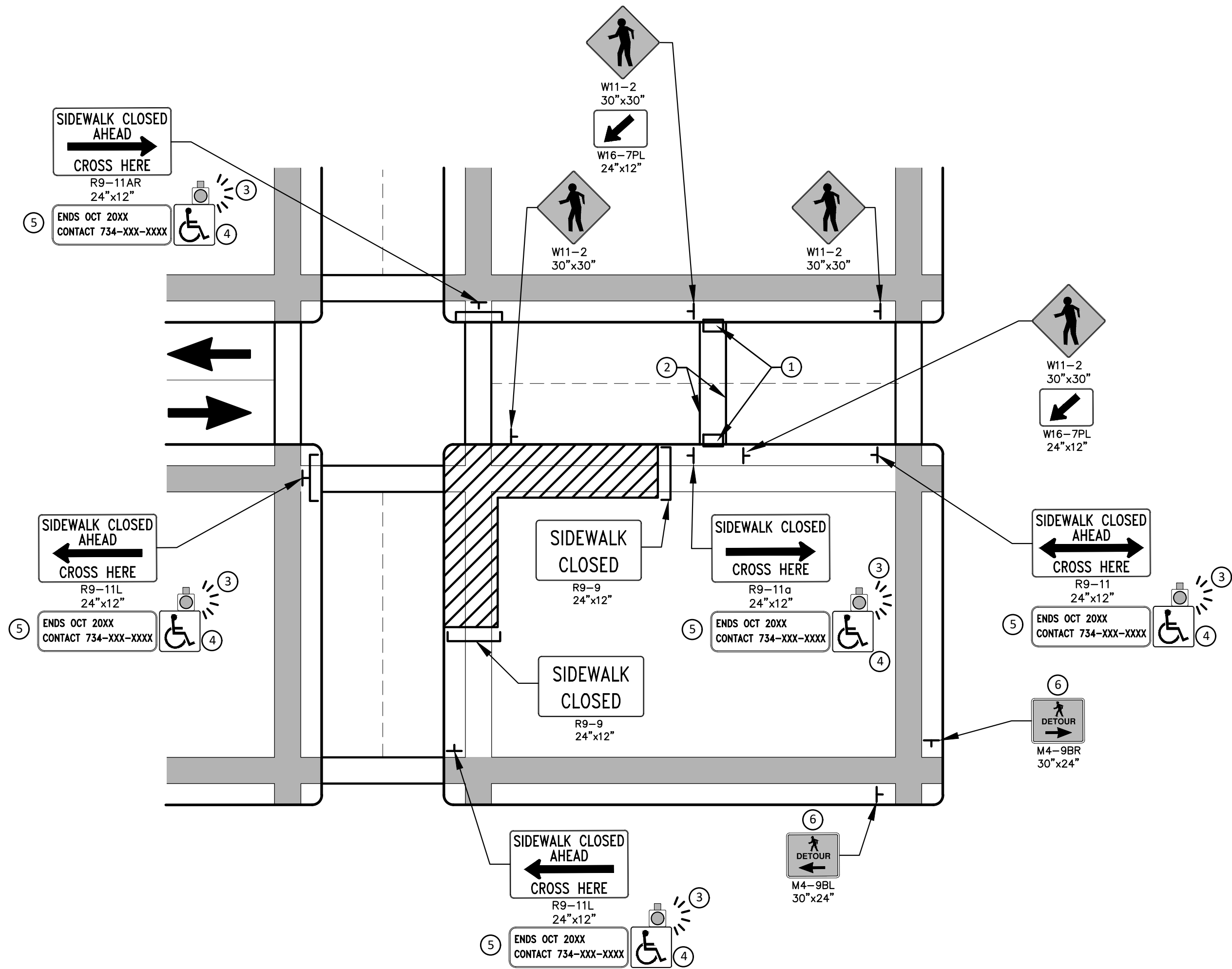
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REV.

P:\0000_0100\0028240010_Chapin_Sewer_Drawings\Civil\Misc\TAPR_Details V2.dwg Dwg Created: 11-Dec-25 - _a2_standard bw.stb - Plot Date: 16-Dec-25



PEDESTRIAN DETOUR USING OPPOSITE SIDE OF STREET



OTHER SIDE OF STREET DETOUR OR DETOUR WITH TRAILBLAZING SIGNS
(FOR CORNER SIDEWALK CLOSURE WITH OPTIONAL TEMPORARY CROSSWALK)

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, THE CONTRACTOR SHALL PROVIDE DETECTABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE AN ALTERNATE PEDESTRIAN ROUTE (APR) AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

PROVIDE A SMOOTH, CONTINUOUS, HARD SURFACE THROUGH THE LENGTH OF THE APR. COMPACTED GRAVEL, AGGREGATE, OR SLAG MATERIALS ARE NOT ALLOWED. PROVIDE A FIRM, STABLE, AND SLIP RESISTANT TEMPORARY WALKWAY SURFACE TO COVER SHORT SEGMENTS OF ROUGH, SOFT, OR UNEVEN GROUND.

THE PEDESTRIAN TRAFFIC SIGNALS CONTROLLING CLOSED CROSSWALKS SHALL BE COVERED OR DEACTIVATED BY THE CITY OF ANN ARBOR. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE THIS WORK WITH THE ENGINEER A MINIMUM OF 72 HOURS (NOT INCLUDING WEEKENDS & HOLIDAYS) PRIOR TO THE BEGINNING OF WORK THAT REQUIRES A SIDEWALK CLOSURE.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

WHEN THE ENGINEER DETERMINES THAT THE CONTRACTOR'S OPERATIONS OR PLACEMENT OF TRAFFIC CONTROL DEVICES HAS CAUSED A SITUATION THAT THE VISIBILITY OF IS REDUCED ENOUGH TO CREATE A HAZARD, THE TRAFFIC CONTROL DEVICES SHALL BE DELINEATED WITH FLAGS OR OTHER ENGINEER-APPROVED DEVICES AT NO ADDITIONAL COST TO THE PROJECT.

MINIMIZE DISRUPTION TO PEDESTRIANS TO THE MAXIMUM EXTENT FEASIBLE BY PROVIDING AN APR IN THE FOLLOWING ORDER OF PREFERENCE:

1. PROVIDE THE APR ON THE SAME SIDE OF THE STREET AS THE DISRUPTED ROUTE UTILIZING BYPASSES.
2. WHERE IT IS NOT FEASIBLE TO PROVIDE A SAME SIDE APR, PROVIDE A DETOUR ON THE OTHER SIDE OF THE STREET.
3. WHERE IT IS NOT FEASIBLE TO PROVIDE AN APR ON THE OTHER SIDE OF THE ROADWAY, PROVIDE AN APR DETOUR WITH TRAILBLAZING SIGNS AS SHOWN ON THE PROJECT PLANS.

SPECIFIC NOTES

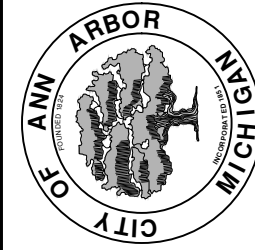
1. TEMPORARY CURB RAMPS WITH DETECTABLE WARNINGS.
2. TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
3. AN APPROVED AUDIBLE MESSAGE DEVICE OR TACTILE MESSAGE SHALL BE PROVIDED FOR SIGHT-IMPAIRED PEDESTRIANS.
4. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHOULD BE DISPLAYED WHEN ANY WALKWAY THROUGH A WORK ZONE HAS BEEN DETERMINED TO BE TPAP COMPLIANT. THE SYMBOL OF ACCESSIBILITY SHALL NOT BE DISPLAYED IF PERSONS WITH DISABILITIES SHOULD NOT USE THE PRIMARY TEMPORARY PEDESTRIAN DETOUR. THE REASON FOR THE NON-COMPLIANCE SHALL BE POSTED AND AN ALTERNATE ROUTE SHALL BE POSTED WHEN THE PRIMARY TEMPORARY PEDESTRIAN DETOUR IS NON-COMPLIANT TO TPAP STANDARDS.
5. TYPICAL SIGN MESSAGE FOR A TEMPORARY PEDESTRIAN DETOUR SHALL INCLUDE INFORMATION SUCH AS THE DURATION OF THE WALKWAY RESTRICTIONS (BEGINNING AND/OR END DATES) AND A PROJECT CONTACT NUMBER FOR 24 / 7 QUESTIONS OR REPORTING HAZARDS.
6. PEDESTRIAN DETOUR TRAILBLAZING SIGNS SHALL BE USED IF THE PEDESTRIAN DETOUR IS IN A LOCATION OTHER THAN ACROSS THE STREET FROM THE SIDEWALK CLOSURE.

PEDESTRIAN TEMPORARY TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN THROUGH MOVEMENTS FROM ONE END OF THE CONSTRUCTION AREA TO THE OTHER, ON AT LEAST ONE SIDE OF THE STREET DURING CONSTRUCTION. ANY SIDEWALK CLOSURES SHALL MEET THE REQUIREMENTS OF THE MMUTCD, PART 6.
2. PEDESTRIAN ACCESS SHALL BE PROVIDED TO ALL ADJACENT PROPERTIES, BUILDINGS, RESIDENCES AND COMMERCIAL PROPERTIES AT ALL TIMES. THIS MAY INCLUDE TEMPORARY WALKWAYS SPANNING THE CONSTRUCTION AREA.
3. IF SIDEWALKS ARE CLOSED, A TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAP) SHALL BE PROVIDED ON THE SAME SIDE OF THE ROAD AS THE CLOSED SIDEWALK, IF POSSIBLE. SIGNS AND BARRICADES SHALL BE USED TO PROVIDE ADVANCE NOTICE OF THE CLOSURE AND THE ROUTE OF ANY PEDESTRIAN DETOURS. THE TPAP SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 4 FEET. IF THE TPAP IS LESS THAN 5 FEET IN WIDTH, A 5 FOOT BY 5 FOOT PASSING SPACE SHALL BE PROVIDED AT LEAST EVERY 200 FEET. THE SURFACE OF THE TPAP SHALL BE SMOOTH AND CONTINUOUS FOR THE LENGTH OF THE TPAP. THE TPAP SHALL MAINTAIN THE SAME LEVEL OF ACCESSIBILITY AND DETECTABILITY AS THE FACILITY THAT IS BEING CLOSED. THE TPAP SHALL NOT LEAD PEDESTRIANS INTO CONFLICTS WITH VEHICLES, EQUIPMENT, OR CONSTRUCTION OPERATIONS.
4. IF THE TPAP IS ADJACENT TO MOVING TRAFFIC, CONSTRUCTION OPERATIONS/EQUIPMENT, OR DROP-OFFS, THEN CRASH WORTHY CHANNELIZING DEVICES THAT MEET THE REQUIREMENTS OF NCHRP 350 AND THE MMUTCD SHALL BE USED.
5. THE CONTRACTOR SHALL NOT STORE OR PLACE ANY CONSTRUCTION MATERIALS, EQUIPMENT OR SIGNS IN THE PEDESTRIAN PATH OF TRAVEL.
6. THE CONTRACTOR'S OPERATIONS SHALL NOT OCCUPY SIDEWALKS EXCEPT WHERE PROPER PROTECTION AND A TPAP HAVE BEEN PROVIDED.
7. WHEN DIRECTED BY THE ENGINEER, OR STATED ON THE PLANS, THE CONTRACTOR SHALL PROVIDE A TEMPORARY PEDESTRIAN TRAFFIC CONTROL PLAN FOR REVIEW AND WRITTEN APPROVAL BY THE ENGINEER A MINIMUM OF THREE WEEKS BEFORE SUCH PLAN IS IMPLEMENTED. THIS PLAN SHALL DETAIL THE CONSTRUCTION PHASING AND SCHEDULE AND THE SPECIFIC METHODS OF MAINTAINING SAFE PEDESTRIAN ACCESS THROUGHOUT THE CONSTRUCTION AREA. THIS PLAN SHALL PROVIDE THE LOCATION AND DETAILS OF TEMPORARY CONSTRUCTION SIGNING, MARKINGS, BARRICADES, CHANNELIZING DEVICES, TPAPS AND METHODS TO MAINTAIN ACCESS TO ADJACENT PROPERTIES, BUSINESSES, RESIDENCES, ETC. NO WORK SHALL BE ALLOWED TO BEGIN UNTIL THIS PLAN IS APPROVED BY THE ENGINEER IN WRITING.
8. PROVISION OF THE TPAP AND ALL OF ITS ELEMENTS, INCLUDING BUT NOT LIMITED TO, CREATION OF THE TEMPORARY PEDESTRIAN CONTROL PLAN, SIGNS, CHANNELIZING DEVICES, BARRICADES, TEMPORARY PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE ITEM OF WORK "MINOR TRAFFIC CONTROL."

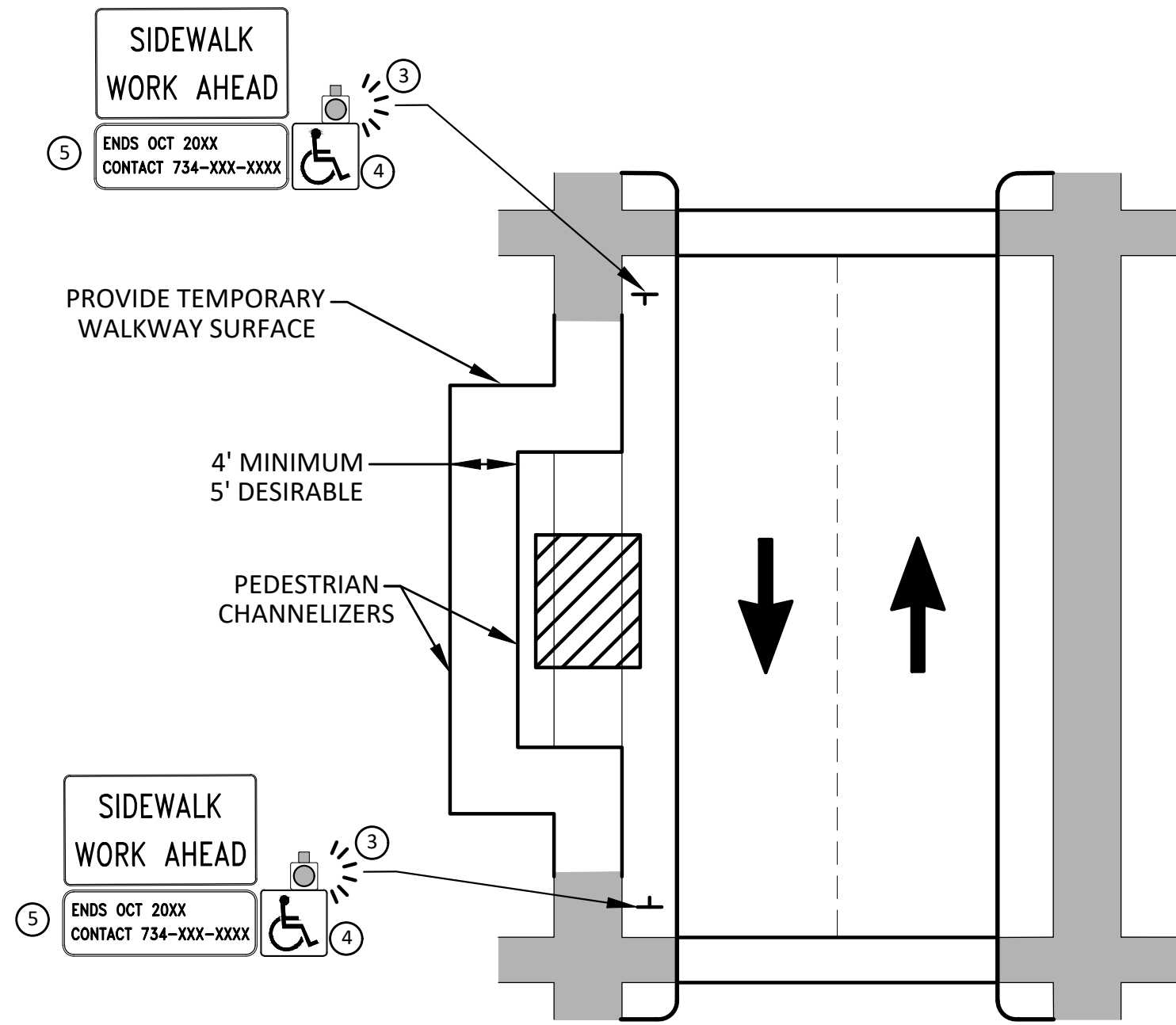
LEGEND

- SIGN
- EXISTING PEDESTRIAN SURFACE
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- BARRIER
- SIDEWALK BARRICADE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DEVICE



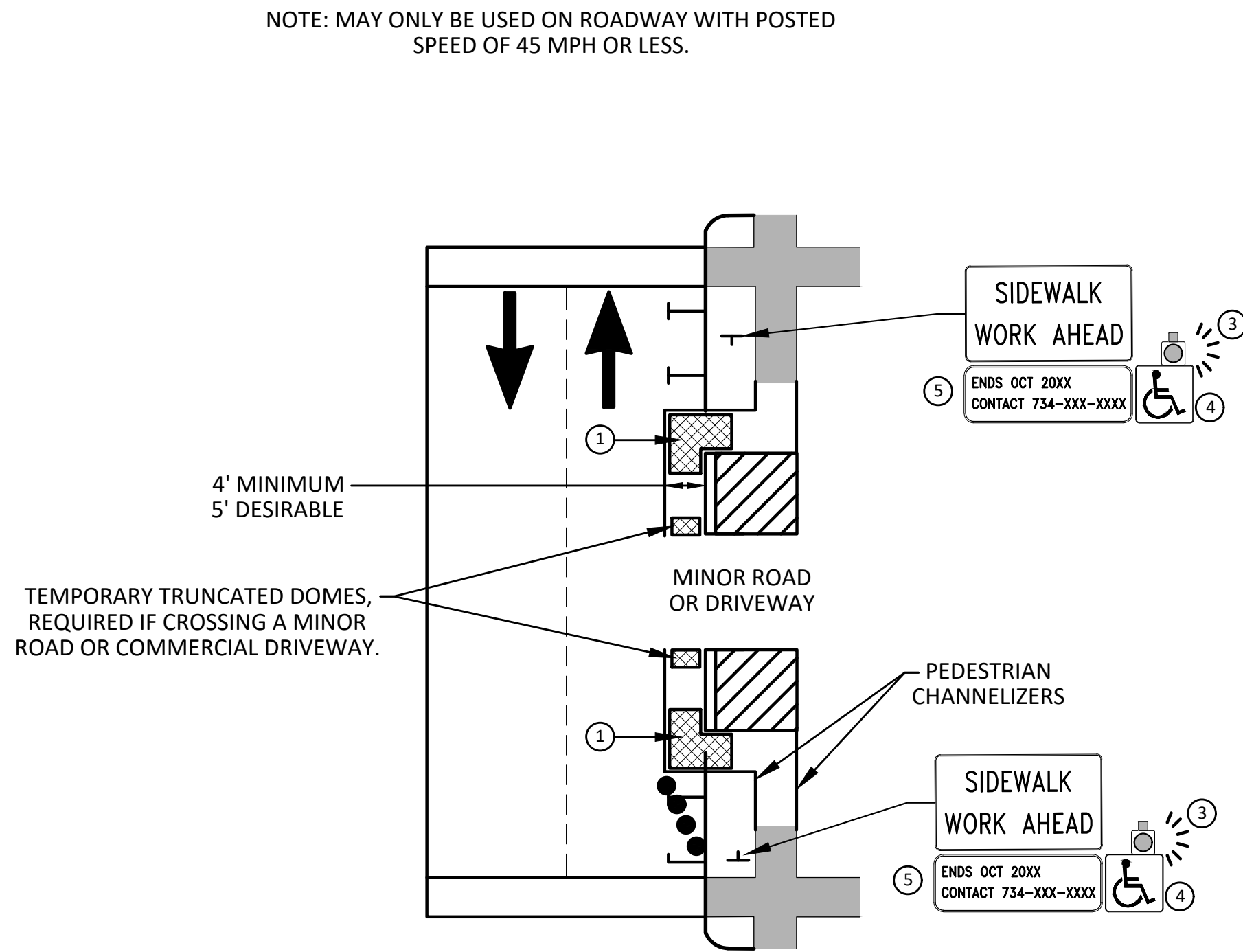
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02	CONSTRUCTION SET	3-21-2025	SM	CE
01	ADDENDUM #2	1-22-2025	SM	CE
00	BID SET	12-19-2024	SM	CE

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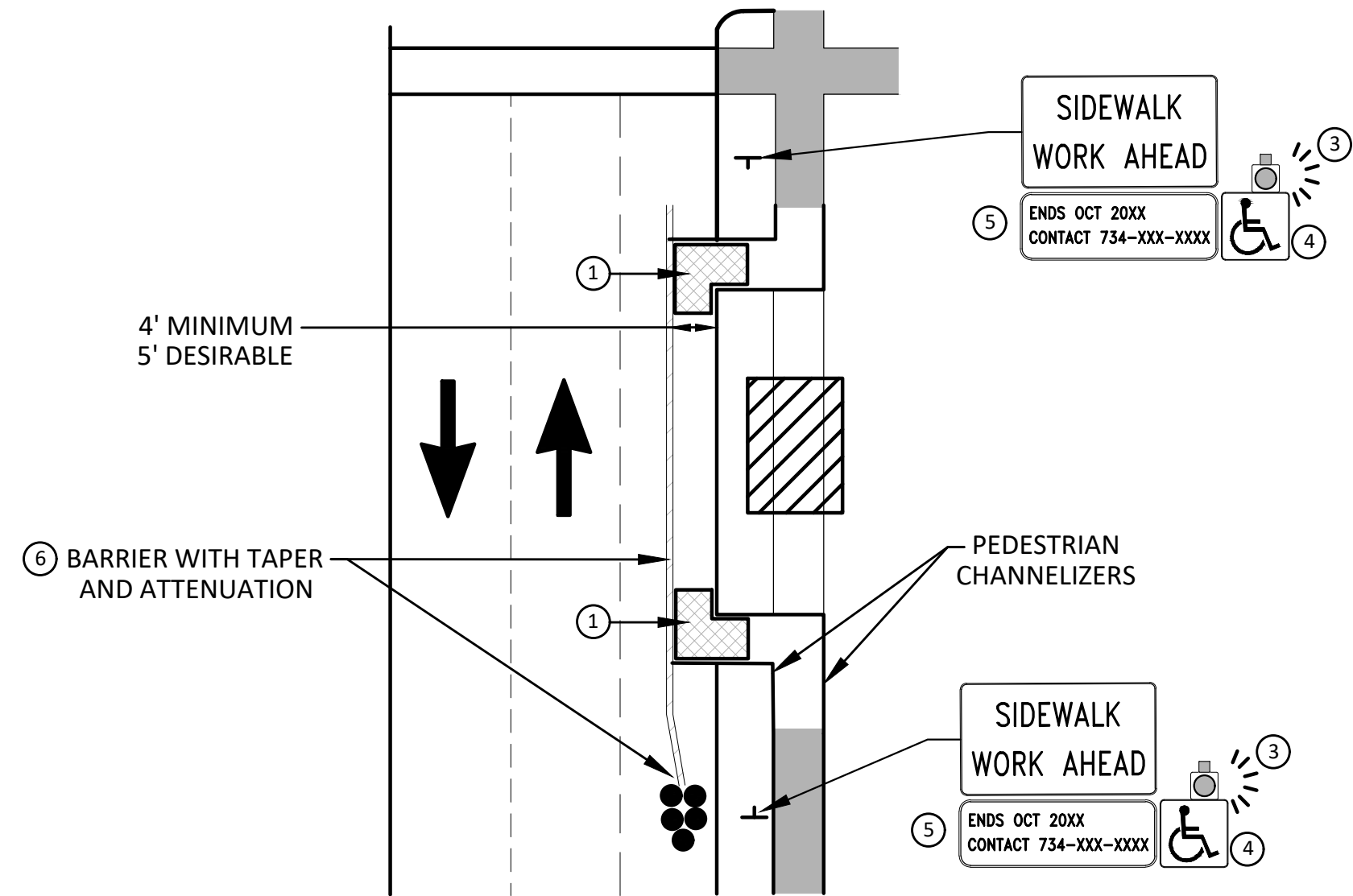
BYPASS ON ADJACENT AVAILABLE
RIGHT OF WAY

BYPASS TYPE A



SIDEWALK BYPASS USING PARKING OR
SHOULDER ON LOW SPEED ROADWAY

BYPASS TYPE B



SIDEWALK BYPASS USING
SHOULDER OR PARKING LANE ON
HIGH SPEED ROADWAY

BYPASS TYPE C

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, THE CONTRACTOR SHALL PROVIDE DETECTABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE AN ALTERNATE PEDESTRIAN ROUTE (APR) AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

PROVIDE A SMOOTH, CONTINUOUS, HARD SURFACE THROUGH THE LENGTH OF THE APR. COMPACTED GRAVEL, AGGREGATE, OR SLAG MATERIALS ARE NOT ALLOWED. PROVIDE A FIRM, STABLE, AND SLIP RESISTANT TEMPORARY WALKWAY SURFACE TO COVER SHORT SEGMENTS OF ROUGH, SOFT, OR UNEVEN GROUND.

THE PEDESTRIAN TRAFFIC SIGNALS CONTROLLING CLOSED CROSSWALKS SHALL BE COVERED OR DEACTIVATED BY THE CITY OF ANN ARBOR. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE THIS WORK WITH THE ENGINEER A MINIMUM OF 72 HOURS (NOT INCLUDING WEEKENDS & HOLIDAYS) PRIOR TO THE BEGINNING OF WORK THAT REQUIRES A SIDEWALK CLOSURE.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

WHEN THE ENGINEER DETERMINES THAT THE CONTRACTOR'S OPERATIONS OR PLACEMENT OF TRAFFIC CONTROL DEVICES HAS CAUSED A SITUATION THAT THE VISIBILITY OF A TRAFFIC CONTROL DEVICE IS REDUCED ENOUGH TO CREATE A HAZARD, THE TRAFFIC CONTROL DEVICES SHALL BE DELINEATED WITH FLAGS OR OTHER ENGINEER-APPROVED DEVICES AT NO ADDITIONAL COST TO THE PROJECT.

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SPECIFIC NOTES

- ① TEMPORARY CURB RAMPS WITH DETECTABLE WARNINGS.
- ② 5 DEVICE TAPER 25 FEET LONG, RECOMMENDED WHEN THE CLOSED AREA WAS USED AS AN INTERMITTENT TRAFFIC LANE OR BYPASS LANE. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
- ③ AN APPROVED AUDIBLE MESSAGE DEVICE OR TACTILE MESSAGE SHOULD BE PROVIDED FOR SIGHT-IMPAIRED PEDESTRIANS.
- ④ THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE DISPLAYED WHEN ANY WALKWAY THROUGH A WORK ZONE HAS BEEN DETERMINED TO BE TPAR COMPLIANT. THE SYMBOL OF ACCESSIBILITY SHALL NOT BE DISPLAYED IF PERSONS WITH DISABILITIES SHOULD NOT USE THE PRIMARY TEMPORARY PEDESTRIAN DETOUR. THE REASON FOR THE NON-COMPLIANCE SHALL BE POSTED AND AN ALTERNATE ROUTE SHALL BE POSTED WHEN THE PRIMARY TEMPORARY PEDESTRIAN DETOUR IS NON-COMPLIANT TO TPAR STANDARDS.
- ⑤ TYPICAL SIGN MESSAGE FOR A TEMPORARY PEDESTRIAN DETOUR SHALL INCLUDE INFORMATION SUCH AS THE DURATION OF THE WALKWAY RESTRICTIONS (BEGINNING AND/OR END DATES) AND A PROJECT CONTACT NUMBER FOR 24 / 7 QUESTIONS OR REPORTING HAZARDS.
- ⑥ SEE MMUTCD FOR GUIDANCE ON PLACEMENT AND USAGE OF BARRIER.

LEGEND

- SIGN
- EXISTING PEDESTRIAN SURFACE
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- BARRIER
- SIDEWALK BARRICADE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DEVICE



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

ANN STREET IMPROVEMENTS

TAPR DETAILS - ALTERNATE PEDESTRIAN ROUTE (APR) BYPASS

SCALE : N.T.S.

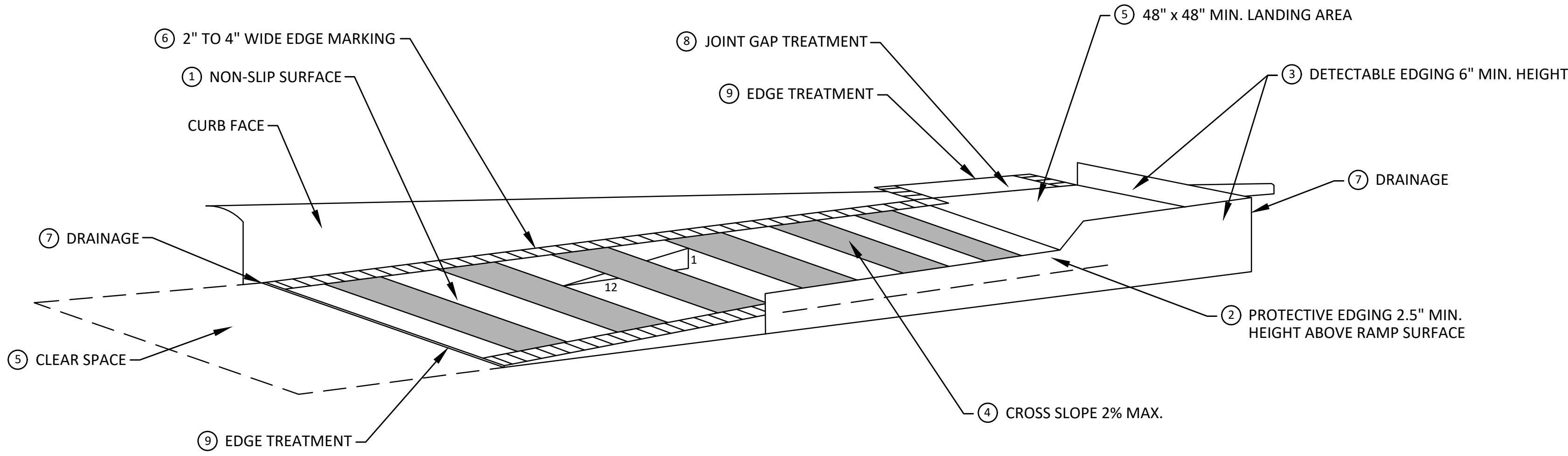
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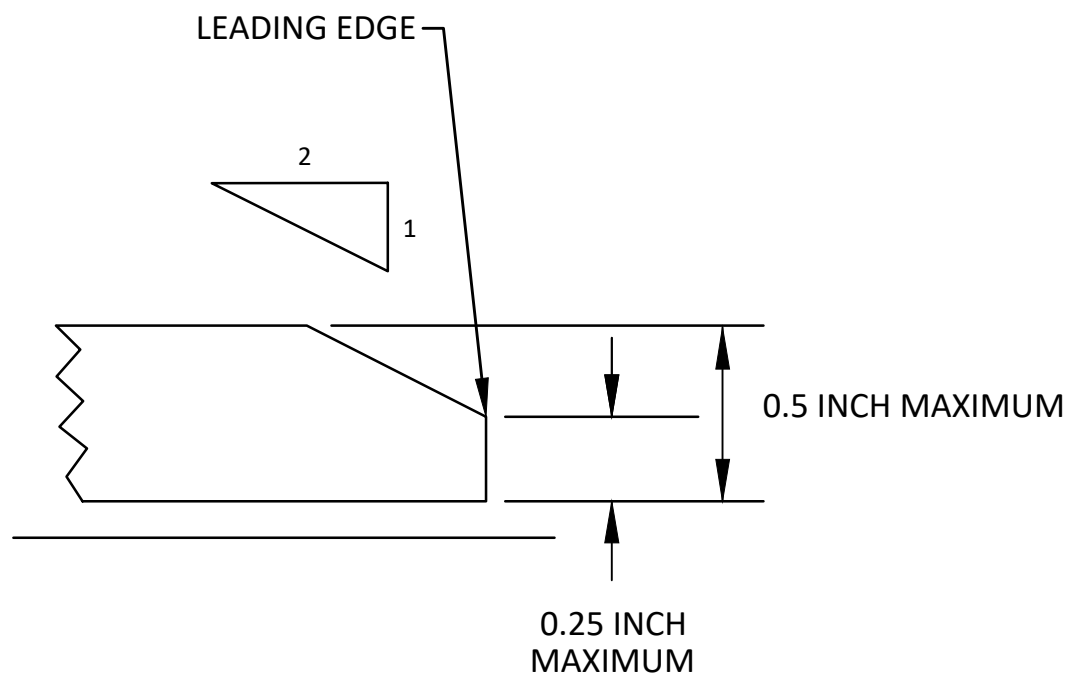
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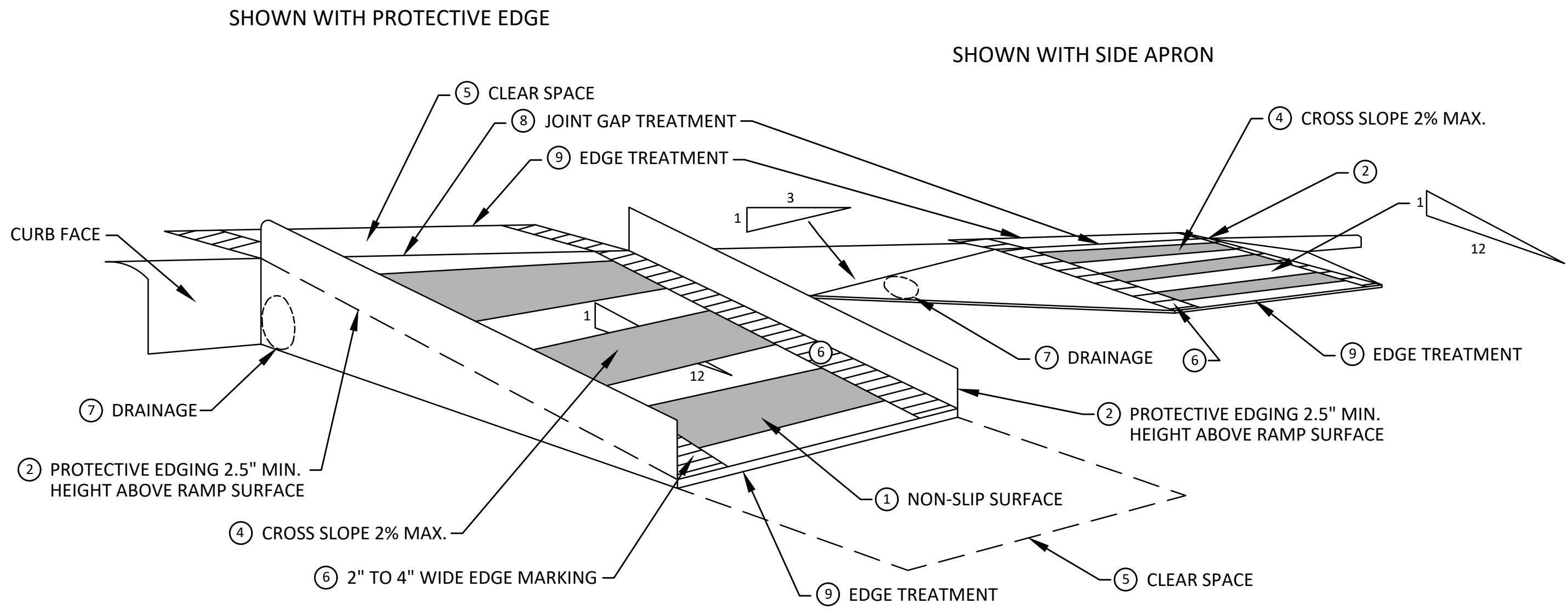
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TEMPORARY CURB RAMP
PARALLEL TO CURB



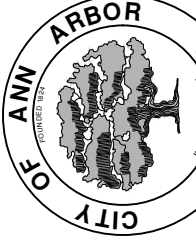
⑨ EDGE TREATMENT



TEMPORARY CURB RAMP
PERPENDICULAR TO CURB

SPECIFIC NOTES

- 1 CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. PROTECTIVE EDGING WITH A 2.5" MIN. HEIGHT ABOVE THE RAMP SHALL BE PLACED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3. PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
- 2 DETECTABLE EDGING ANYTIME A HANDRAIL IS REQUIRED, AND ANYTIME THE PATH CHANGES DIRECTION. THIS INCLUDES A TURN ONTO THE RAMP FROM THE PATH. DETECTABLE EDGING MUST BEGIN A MAXIMUM OF 2.5" ABOVE THE RAMP SURFACE, AND EXTEND AT LEAST 6" ABOVE THE RAMP SURFACE. CONTRASTING COLOR SHALL BE PLACED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
- 3 CURB RAMPS AND LANDINGS SHALL HAVE A 2% MAX. CROSS SLOPE.
- 4 CLEAR SPACE OF 48" x 48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
- 5 THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A CONTRASTING COLOR, 2" TO 4" WIDE MARKING. THE MARKING IS OPTIONAL WHERE COLOR CONTRASTING EDGING IS USED.
- 6 WATER FLOW IN THE GUTTER SYSTEM SHALL NOT BE IMPEDED.
- 7 LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.
- 8 CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHOULD BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2" HEIGHT.



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ANN STREET IMPROVEMENTS

TAPR DETAILS - TPAP RAMPS

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64 OF 65



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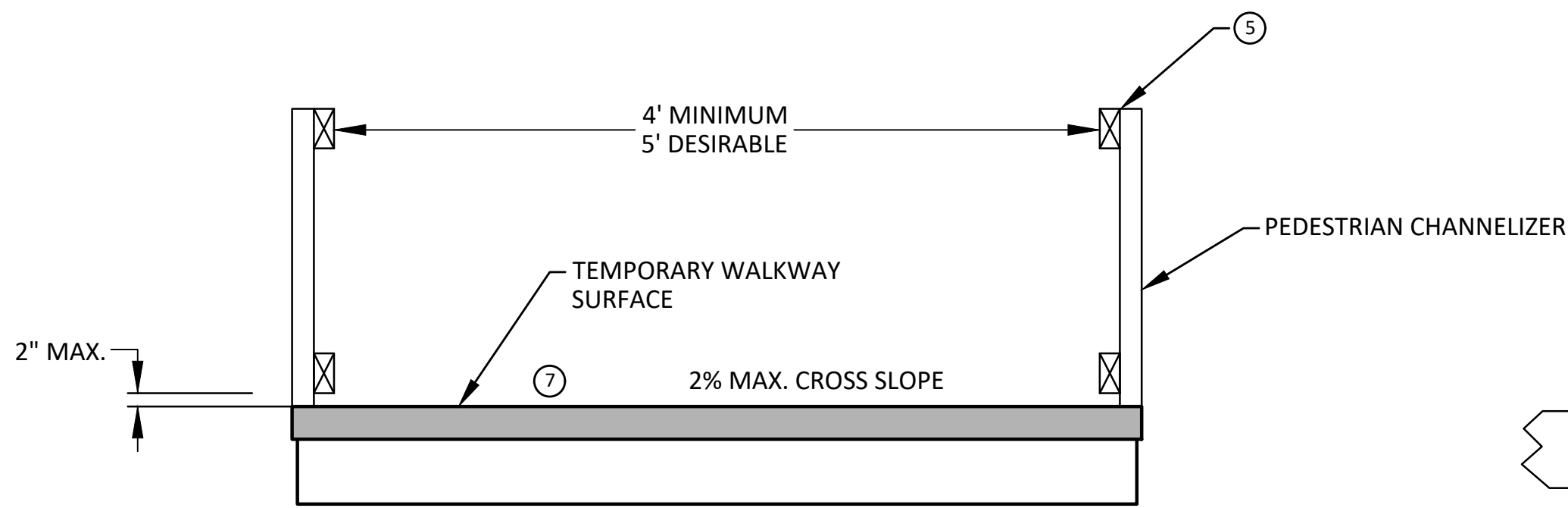
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ADDENDUM #2

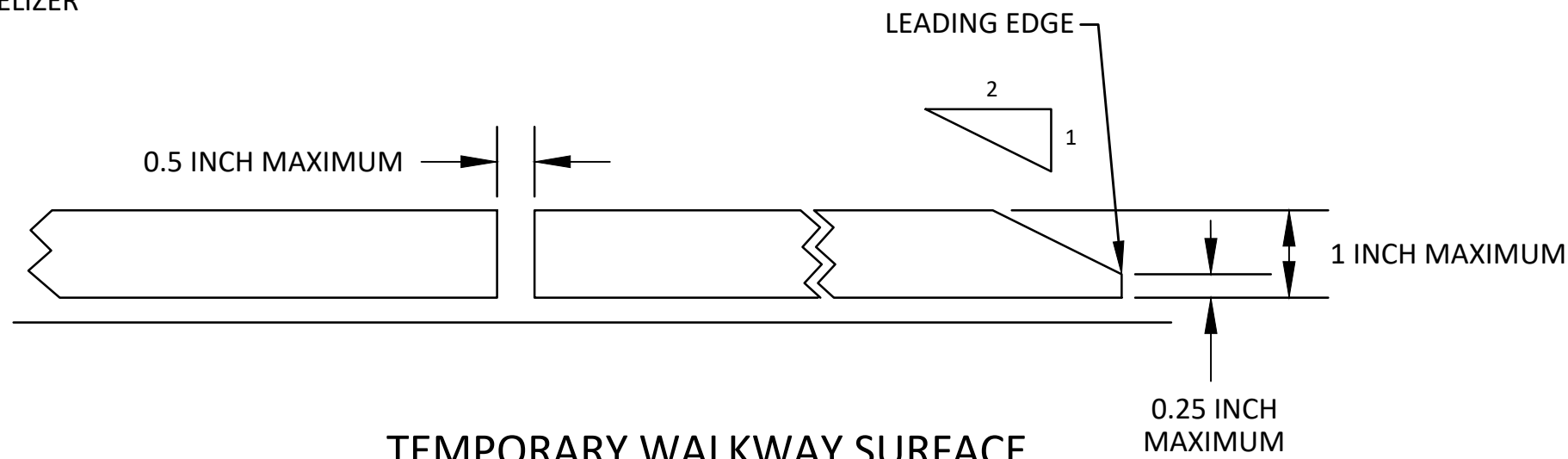
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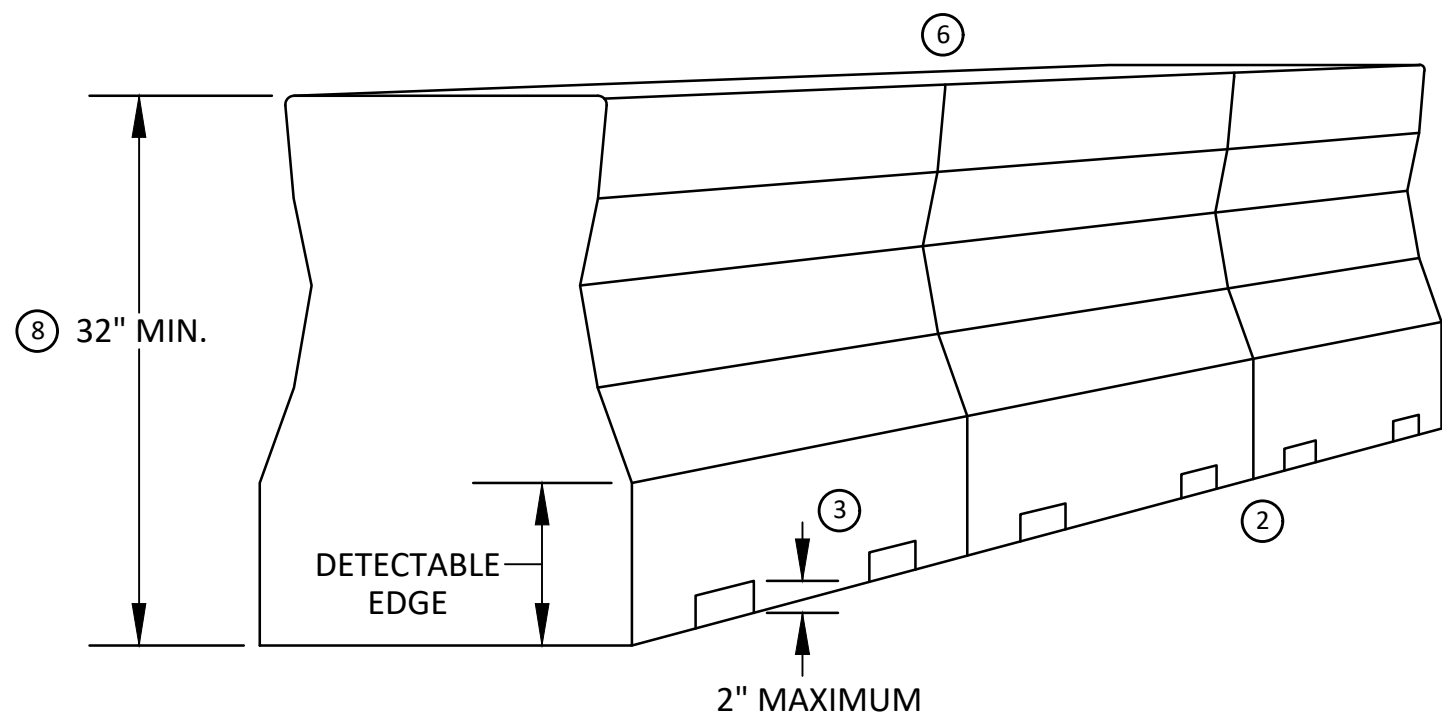
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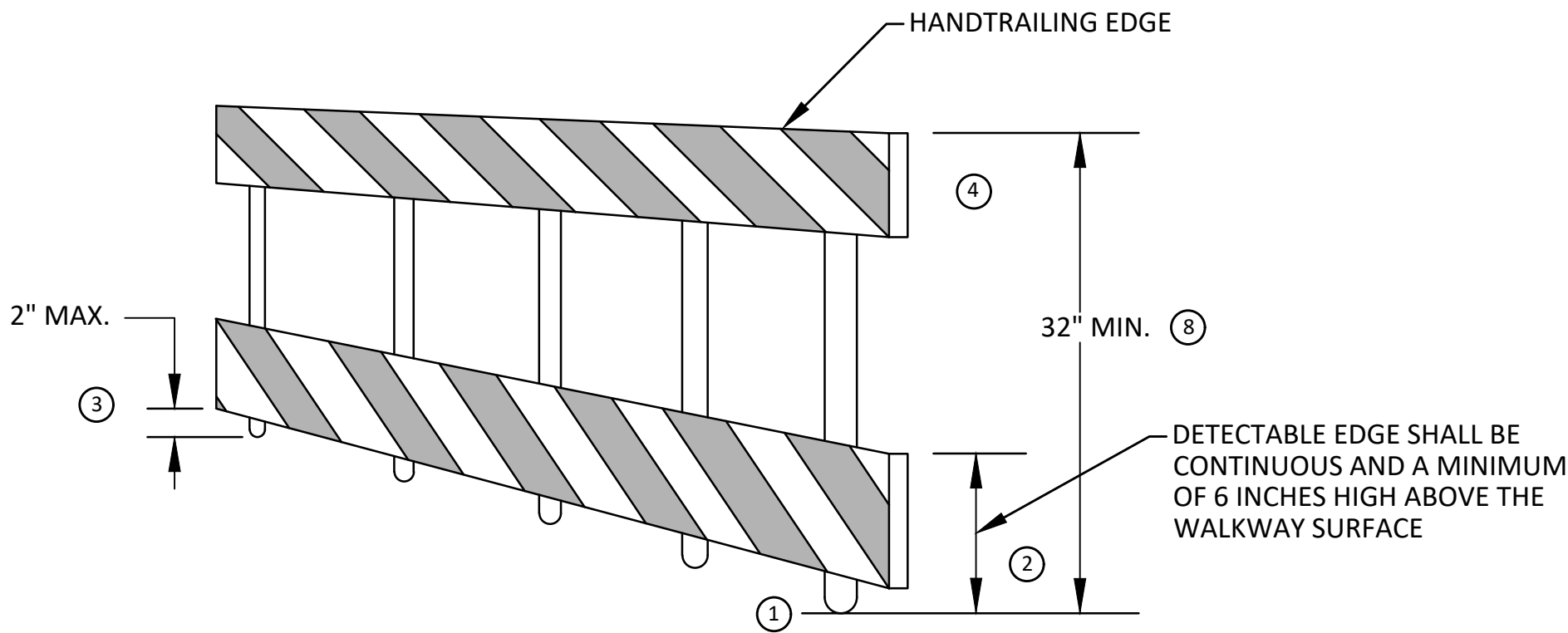
TEMPORARY PEDESTRIAN ACCESS



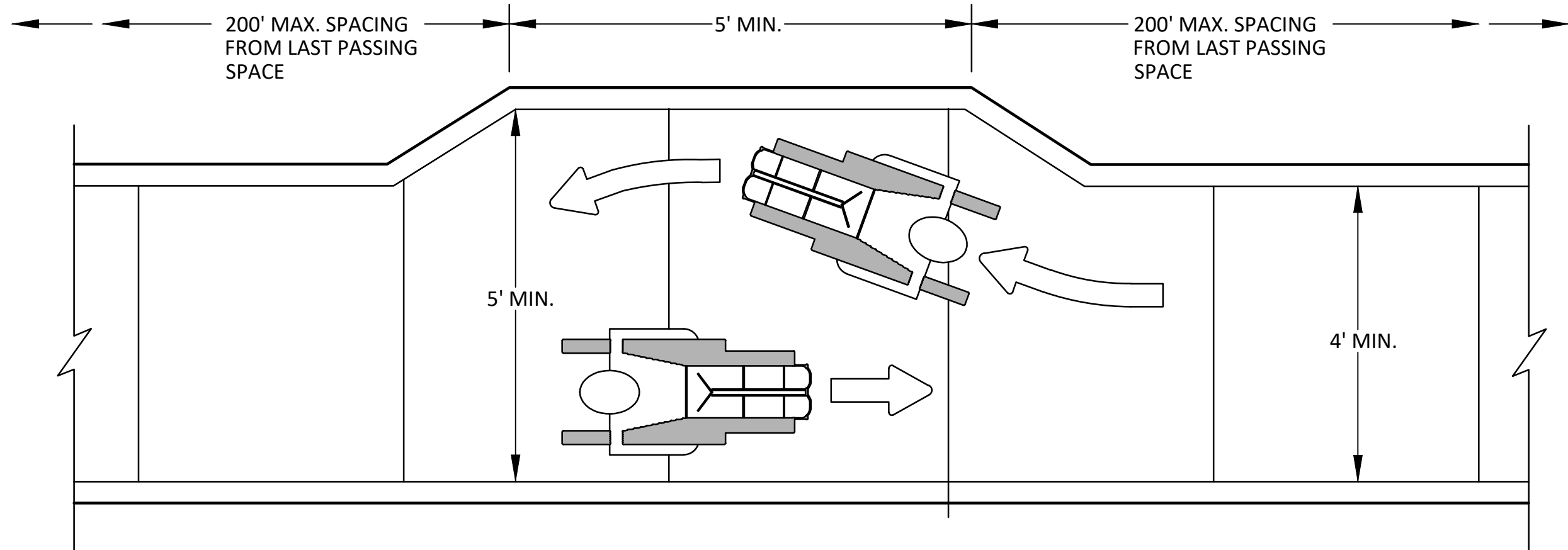
TEMPORARY WALKWAY SURFACE



PEDESTRIAN CHANNELIZER USING A BARRIER
(MINIMUM REQUIREMENTS)



PEDESTRIAN CHANNELIZER
(MINIMUM REQUIREMENTS)



NARROW TEMPORARY PEDESTRIAN ACCESS ROUTE PASSING DETAIL

GENERAL NOTES

RAILINGS OR OTHER OBJECTS MAY PROTRUDE A MAXIMUM OF 4 INCHES INTO THE WALKWAY CLEAR SPACE WHEN LOCATED A MINIMUM OF 27 INCHES ABOVE THE WALKWAY SURFACE.

ANY PEDESTRIAN DEVICES USED TO PROVIDE POSITIVE PROTECTION FOR PEDESTRIANS OR WORKERS SHALL MEET NCHRP 350 CRASHWORTHY REQUIREMENTS APPROPRIATE FOR THE BARRIER'S APPLICATION.

BARRICADES SHALL BE PLACED CONTINUOUSLY ACROSS THE ENTIRE WIDTH OF THE WALKWAY SURFACE BEING CLOSED.

SPECIFIC NOTES

1 ANY TRIPPING HAZARD IN THE WALKWAY NEEDS A DETECTABLE EDGE. BALLAST SHALL BE LOCATED BEHIND OR INTERNAL TO THE DEVICE. ANY SUPPORT ON THE FRONT OF THE DEVICE SHALL NOT EXTEND INTO THE 48 INCH MINIMUM WALKWAY CLEAR SPACE AND SHALL NOT EXCEED 0.5 INCHES IN HEIGHT ABOVE THE WALKWAY SURFACE.

2 DETECTABLE EDGES SHALL BE CONTINUOUS AND A MINIMUM OF 6 INCHES IN HEIGHT ABOVE WALKWAY SURFACE AND HAVE COLOR MARKINGS CONTRASTING WITH THE WALKWAY SURFACE.

3 DEVICES SHALL NOT BLOCK WATER DRAINAGE FROM THE WALKWAY. A GAP HEIGHT OR OPENING FROM THE WALKWAY SURFACE UP TO A MAXIMUM OF 2 INCHES IS ALLOWED FOR DRAINAGE PURPOSES.

4 PROVIDE A HANDRAIL ON BOTH SIDES OF THE RAMP IF THE RAMP IS NOT EXPOSED TO VEHICLE TRAFFIC AND HAS A TOTAL RISE GREATER THAN 6 INCHES, AND A LENGTH GREATER THAN 72 INCHES.
- ENSURE THE HANDRAIL IS 1.25 AND 1.5 INCHES WIDE AND CONFIGURED TO BE A "GRASPABLE" CROSS-SECTION.

SEE CONSTRUCTION SUBSECTION 2.A FOR ADDITIONAL DETAILS.

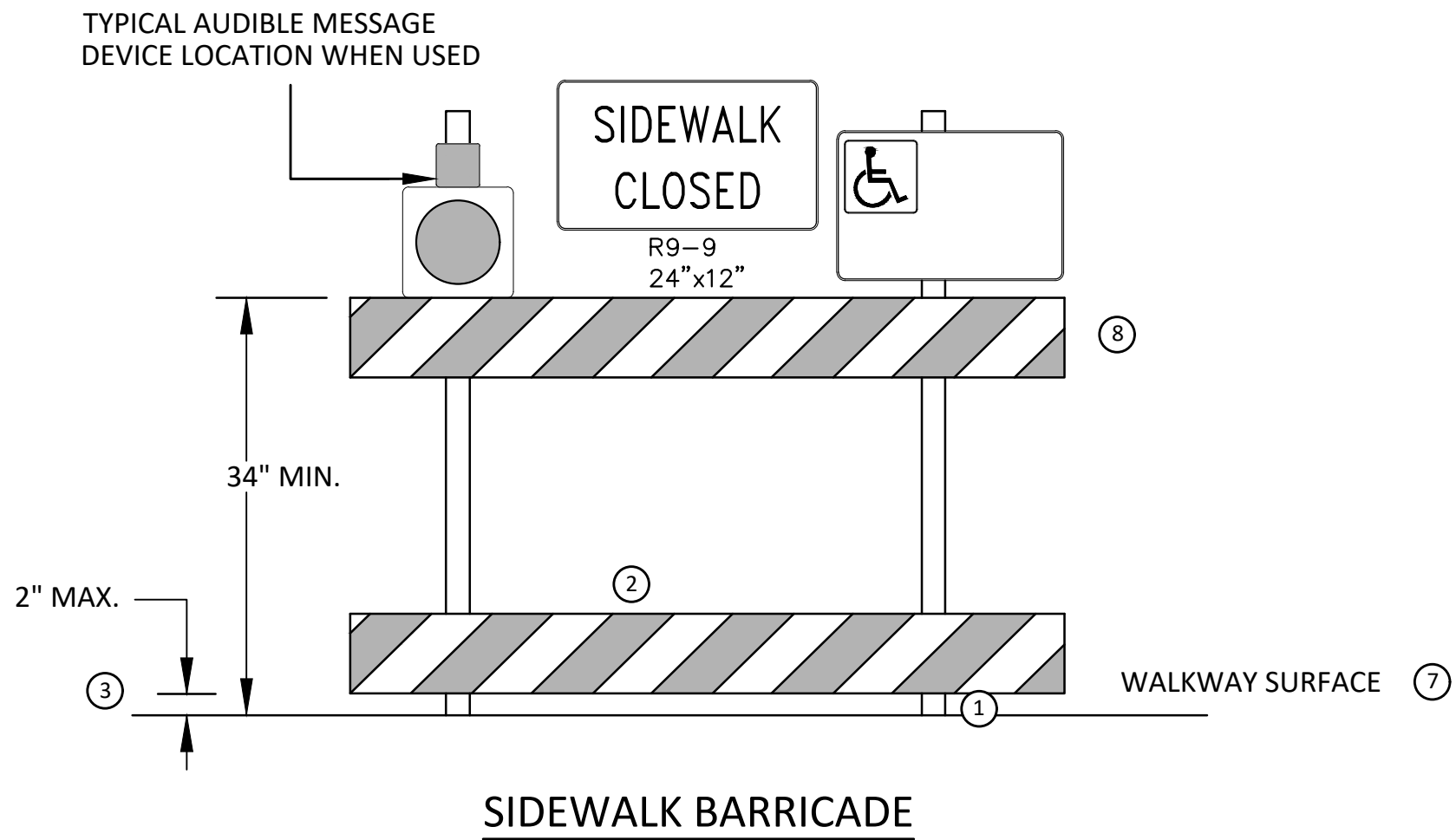
WHEN THE RAMP IS EXPOSED TO TRAFFIC, IN LIEU OF HANDRAILS, USE A PROTECTIVE EDGE 2.5 INCHES MINIMUM HEIGHT ABOVE THE RAMP SURFACE OR 1:10 FLARE ON BOTH SIDES OF THE RAMP.

5 ALL DEVICES SHALL BE FREE OF SHARP OR ROUGH EDGES, AND FASTENERS (BOLTS) SHALL BE ROUNDED TO PREVENT HARM TO HANDS, ARMS OR CLOTHING OF PEDESTRIANS.

6 ALL DEVICES USED TO CHANNELIZE PEDESTRIAN FLOW SHOULD INTERLOCK SUCH THAT GAPS DO NOT ALLOW PEDESTRIANS TO STRAY FROM THE INTENDED CHANNELIZED PATH.

7 A WALKWAY SURFACE SHALL BE FIRM, STABLE, AND SLIP RESISTANT. COMPACTED GRAVEL, AGGREGATE, OR SLAG MATERIALS ARE NOT ALLOWED.

8 LONGITUDINAL CHANNELIZING DEVICES FOR PEDESTRIANS SHALL BE 32 INCHES IN HEIGHT OR GREATER.



SIDEWALK BARRICADE



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ANN STREET IMPROVEMENTS
TAPR DETAILS - TPAR WALKWAY DEVICES

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