



CITY OF ANN ARBOR ENGINEERING

SIDEWALK GAP ELIMINATION - 2022

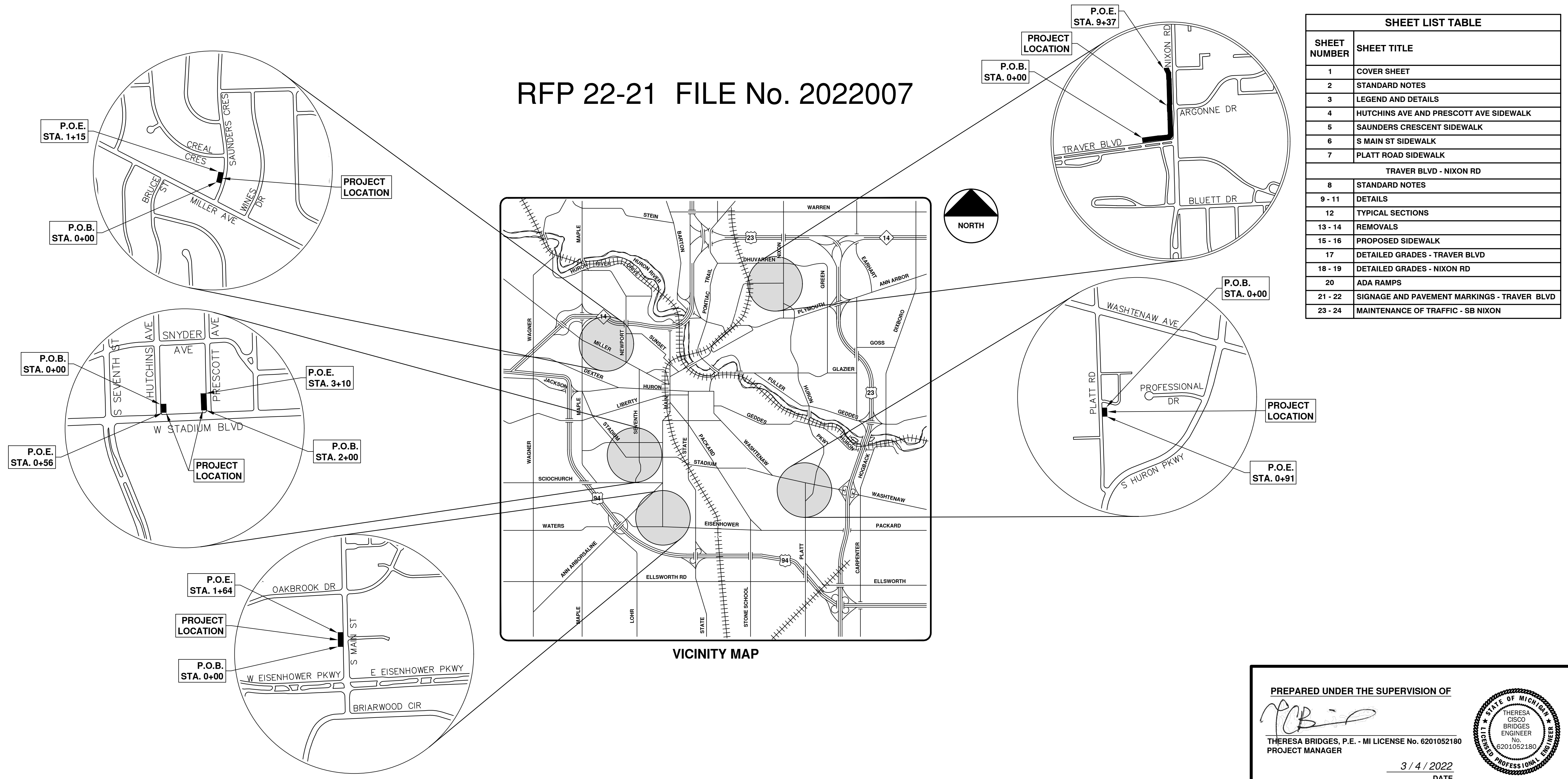
RFP 22-21 FILE No. 2022007

NOTES:

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 EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. 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 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS, ITS DETAILS, WHICH ARE INCLUDED BY REFERENCE, AND THIS PROJECT'S CONTRACT DOCUMENTS. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT.



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3	LEGEND AND DETAILS
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5	SAUNDERS CRESCENT SIDEWALK
6	S MAIN ST SIDEWALK
7	PLATT ROAD SIDEWALK
TRAVER BLVD - NIXON RD	
8	STANDARD NOTES
9 - 11	DETAILS
12	TYPICAL SECTIONS
13 - 14	REMOVALS
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17	DETAILED GRADES - TRAVER BLVD
18 - 19	DETAILED GRADES - NIXON RD
20	ADA RAMPS
21 - 22	SIGNAGE AND PAVEMENT MARKINGS - TRAVER BLVD
23 - 24	MAINTENANCE OF TRAFFIC - SB NIXON



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	OUT TO BID	3-4-22	KG/JF/CC	TB

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106-1667
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SCALE
DRAWING No. 2022007-1
SHEET No. 1 OF 24

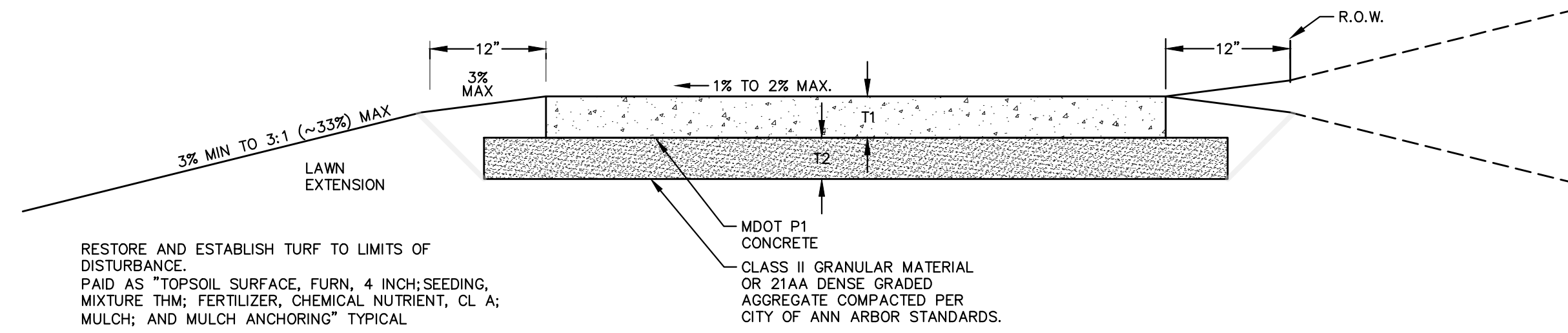
PREPARED UNDER THE SUPERVISION OF

 THERESA BRIDGES, P.E. - MI LICENSE No. 6201052180
 PROJECT MANAGER
 DATE 3/4/2022

R:\2022007_2022+ SW Gap Projects\Plan Production\2022007Cov.dwg - _a2_standard bw.stb - Plot Date: 3/4/2022 2:53:38 PM

© SIDEWALK GAP ELIMINATION - 2022; RFP 22-21; 2022007

R:\2022007_2022+ SW Gap Projects\Plan Production\2022007Cov.dwg - Plot Date: 3/4/2022 2:53:48 PM



- NOTES:
- SIDEWALK SHALL BE A DESIGNED AND CONSTRUCTED TO MEET ALL ADA STANDARDS AND REQUIREMENTS.
 - CITY OF ANN ARBOR MINIMUM STANDARD WIDTH OF SIDEWALK IS FIVE (5) FEET.
 - CONCRETE SIDEWALK THICKNESS (T1) SHALL BE A MINIMUM OF FOUR (4) INCHES.
 - SIDEWALK THICKNESS (T1) SHALL BE INCREASED AT DRIVE APPROACHES TO SIX (6) INCHES FOR SINGLE-FAMILY OR DUPLEX RESIDENTIAL USES. ALL OTHER USES REQUIRE A MINIMUM EIGHT (8) INCH THICKNESS WITHIN THE DRIVE APPROACH.
 - BASE THICKNESS (T2) SHALL BE A MINIMUM OF FOUR (4) INCHES.
 - THICKNESS OF THE BASE (T2) SHALL BE INCREASED TO A MINIMUM OF SIX (6) INCHES WITHIN THE DRIVE APPROACH.
 - IF EXISTING SUBGRADE MATERIAL IS APPROVED BY THE ENGINEER FOR USE, COMPACT THE EXISTING SUBGRADE TO 95% OF THE MATERIAL'S MAXIMUM DRY DENSITY.
 - NATIVE MATERIAL MAY BE ACCEPTABLE FOR SIDEWALK CONSTRUCTION, IF THE BASE IS STABLE AND FREE OF ORGANIC OR DELETERIOUS MATERIALS.
 - SIDEWALK RAMP SHALL BE CONSTRUCTED AT STREET INTERSECTIONS AS DIRECTED AND SHALL COMPLY WITH THE REQUIREMENTS OF MDOT DETAIL R-28 (LATEST VERSION).
 - SIDEWALKS MAY MEANDER WITHIN THE RIGHT-OF-WAY TO PROTECT AND PRESERVE NATURAL FEATURES.
 - EXPANSION AND CONTRACTION JOINTS SHALL BE PROVIDED PER CITY OF ANN ARBOR STANDARD DETAILS AND SPECIFICATIONS.

SIDEWALK CROSS SECTION, SD-R-9

EXISTING LEGEND

- ⊕ FIRE HYDRANT
- I GATE VALVE IN BOX
- ⊗ GATE VALVE IN WELL
- ⊙ STOP BOX
- ⊛ WATER VAULT
- ⊘ WELL
- CATCH BASIN (SQ)
- ⊕ CATCH BASIN (RD)
- STORM MANHOLE
- NON-CURB CATCH BASIN (SQ)
-) END SECTION
- SANITARY MANHOLE
- CLEAN-OUT
- POST
- ⊕ PEDESTRIAN SIGNAL
- ⊥ SIGN
- HAND HOLE
- ☆ ORNAMENTAL LIGHT
- ⊗ FLOOD LIGHT
- ⊕ UNKNOWN MANHOLE
- ⊕ TELEPHONE MANHOLE
- ⊕ TELEPHONE RISER
- ⊕ GAS VALVE
- GAS VENT
- ⊕ GAS BOX
- ⊕ ELECTRICAL RISER
- ⊕ TRANSFORMER
- ⊕ UTILITY POLE
- LAMP POLE
- ⊕ GUY ANCHOR
- GUY POLE
- ⊕ MONITORING WELL
- ⊕ MAILBOX
- ⊕ SOIL BORING
- ⊕ TRAVERSE POINT
- ⊕ BENCH MARK
- IRON PIPE
- ⊕ MON BOX

- - - - w - - - - WATER MAIN
- - - - w - - - - WATER MAIN ABANDONED
- - - - r - - - - STORM SEWER
- - - - r - - - - STORM SEWER ABANDONED
- - - - s - - - - SANITARY SEWER
- - - - s - - - - SANITARY SEWER ABANDONED
- - - - g - - - - GAS MAIN
- - - - g (dead) - - - - GAS MAIN (DEAD)
- - - - o v v v o - - - - ELECTRICAL OVER HEAD
- - - - v v v v - - - - ELECTRICAL UNDER GROUND
- - - - e duct bank - - - - ELECTRICAL DUCT BANK
- o h t - o h t - TELEPHONE OVER HEAD
- t - t - TELEPHONE UNDER GROUND
- t duct bank - TELEPHONE DUCT BANK
- o h t v - CABLE TV OVER HEAD
- t v - CABLE TV UNDER GROUND
- f o - FIBER OPTIC
- f o duct bank - FIBER OPTIC DUCT BANK
- BOUNDARY
- /// BUILDING
- - - - CENTERLINE OF DITCH
- - - - CENTERLINE/CROWN OF ROAD
- - - - 800 - - - - CONTOUR MAJOR
- - - - 799 - - - - CONTOUR MINOR
- EDGE OF WATER
- FLOODPLAIN
- // FENCE
- :: GRAVEL
- o - o - GUARDRAIL
- o - o - STONE WALL
- - - - R.O.W.
- - - - TREELINE
- - - - WETLAND
- - - - EDGE OF BRUSH
- o - o - HEDGE

- TREE (DECIDUOUS)
- ★ TREE (CONIFEROUS)
- SHRUB (DECIDUOUS)
- STUMP
- TREE TO REMAIN & PROTECT (DECIDUOUS)
CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREST HEIGHT (INCHES) X 10
- ★ TREE TO REMAIN & PROTECT (CONIFEROUS)
CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREST HEIGHT (INCHES) X 10

PROPOSED LEGEND

- ⊕ HYDRANT (PLAN)
 - ⊗ WATER GATE WELL
 - ▽ REDUCER
 - I WATER GATE VALVE
 - ⊙ WATER STOP BOX
 - ⊛ WATER VAULT
 - ⊘ INLET
 - ⊕ DOUBLE INLET
 - ⊘ INLET JUNCTION CHAMBER
 - ROUND CATCH BASIN
 - ⊕ STORM MANHOLE
 - ⊕ DRAIN ARROW
 - ⊕ FLARED END SECTION
 - SANITARY MANHOLE
 - CLEAN-OUT
 - SIGN
 - PUSH BUTTON
 - HAND HOLE
- | | |
|-----------------------------------|----------------------------------|
| - - - - w - - - - WATER MAIN | - - - - R - - - - STORM SEWER |
| - - - - s - - - - SANITARY SEWER | - - - - E - - - - ELECTRICAL |
| - - - - FO - - - - FIBER OPTIC | - - - - CENTERLINE OF DITCH |
| - - - - CENTERLINE OF ROAD | - - - - FENCE |
| - - - - GRUEL | - - - - SILT FENCE |
| - - - - PROTECTIVE FENCE | - - - - GUARDRAIL |
| - - - - LOT/UNIT | - - - - CURB |
| - - - - TEMPORARY GRADING PERMIT | - - - - CONTOUR MAJOR |
| - - - - CONTOUR MINOR | - - - - WATER EASEMENT |
| - - - - 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 (CONIFEROUS) | ○ TREE TO BE REMOVED (DECIDUOUS) |
| ○ TREE TO BE REMOVED (CONIFEROUS) | ○ STUMP TO BE REMOVED |

Know what's below.
Call before you dig.

DATE	3-4-22	DATE	
DRAWN	KB/JF/JCC	CHECKED	TB
DESCRIPTION		REV.	00

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SIDEWALK GAP ELIMINATION - 2022

LEGEND & DETAILS

SCALE : NTS

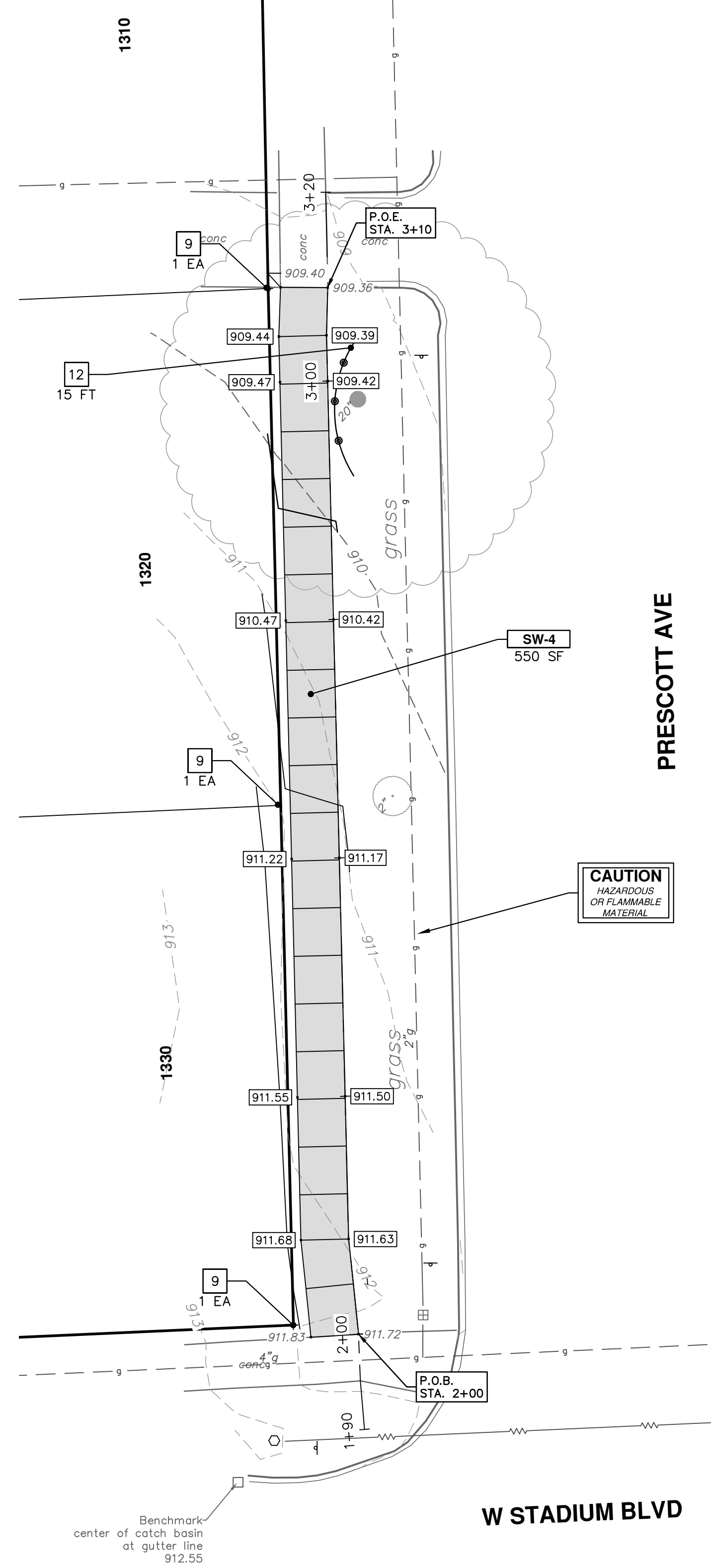
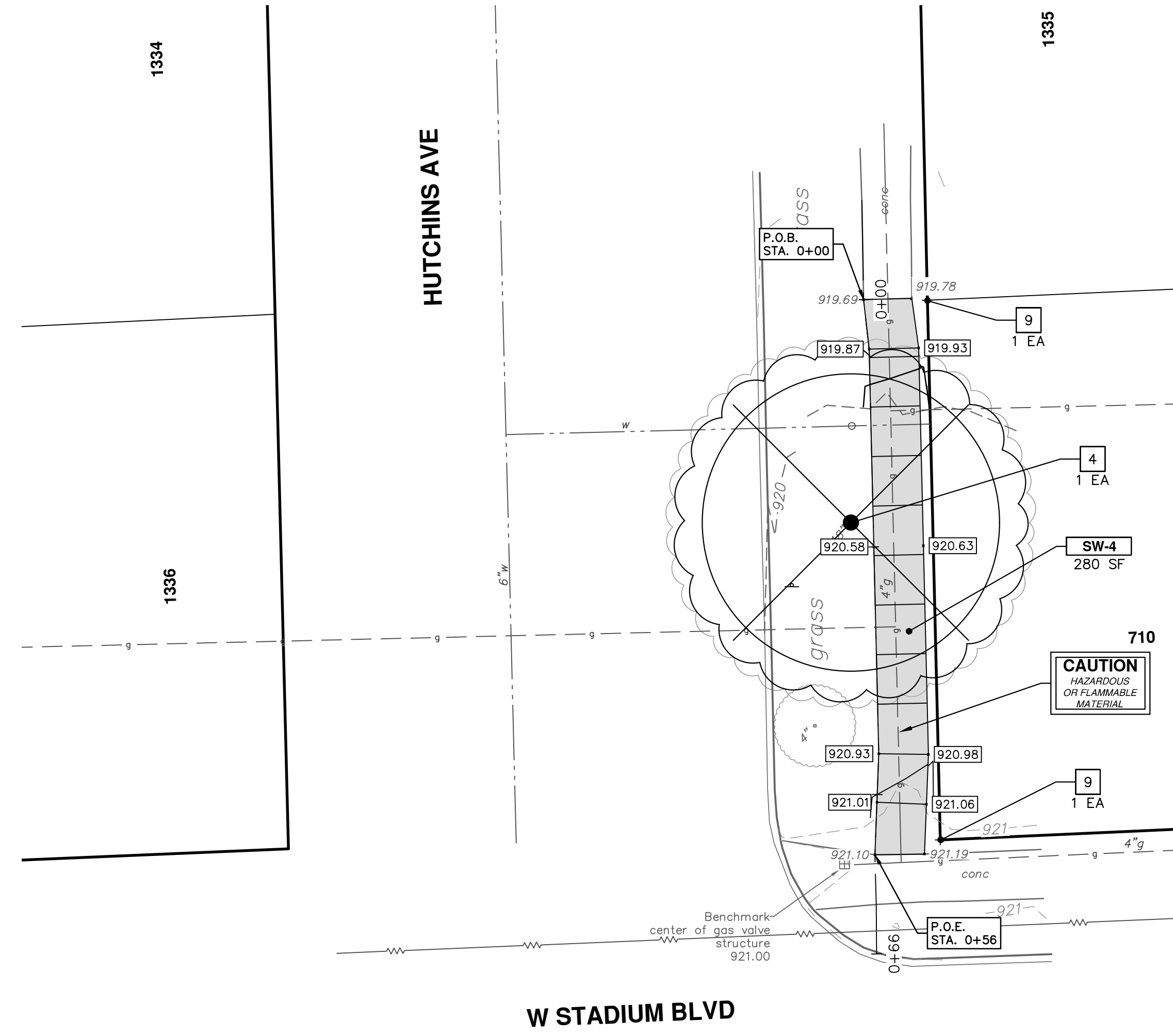
DRAWING No. **2022007-3**

SHEET No. **3 OF 24**

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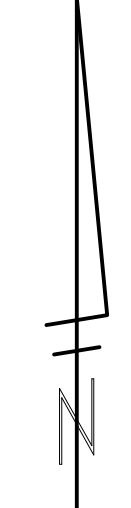
R:\2022007_2022+ SW Gap Projects\Plan Production\2022007 Stadium SW.dwg Dwg Created: 4-Mar-22 -- _o2_standard_bw.stb -- Plot Date: 4-Mar-22



REMOVAL KEY	
KEY	DESCRIPTION
1	REMOVE CONCRETE CURB AND GUTTER - ANY THICKNESS*
2	EROSION CONTROL, INLET PROTECTION
3	EROSION CONTROL, SILT FENCE
4	TREE, REM, 6 INCH TO 18 INCH** TREE, REM, 19 INCH TO 36 INCH**
5	DR STRUCTURE, ANY SIZE OR DEPTH, REM
6	REMOVE HMA PAVEMENT
7	CULV, REM, LESS THAN 24-INCH CULV, REM, 24-INCH TO 48-INCH
8	FENCE, REM
9	PROTECT CORNERS
10	REMOVE CONCRETE SIDEWALK OR DRIVE - ANY THICKNESS
11	SEWER, ANY SIZE OR DEPTH, REM
12	PROTECTIVE FENCING

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

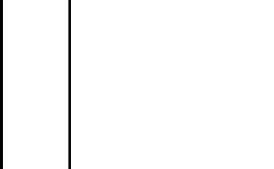
CONSTRUCTION KEY	
KEY	DESCRIPTION
RET	SIDEWALK RETAINING WALL, 6 TO 48 INCH
ISW-CB	INTEGRAL SIDEWALK CURB, 6 INCH
SW-4	4 INCH SIDEWALK OR RAMP
SW-6	6 INCH DRIVE APPROACH, RAMP, OR SIDEWALK
SW-8	8 INCH DRIVE APPROACH, OR SIDEWALK
CG	CURB AND GUTTER, CONC, AA DET SD-R-1, MODIFIED
DWS	DETECTABLE WARNING, CAST IN PLACE
DW-M	DRIVEWAY OPENING, CONC, DETAIL M, P-NC
HMA	HMA APPROACH
DW-C	6 INCH DRIVE APPROACH, RAMP, OR SIDEWALK - HIGH EARLY
HP	HAND PATCHING
CUL12	CULV, CL F, 12 INCH
MH-K	DR STRUCTURE, MANHOLE, TYPE 1, 48 INCH DIA DR STRUCTURE COVER, TYPE K, SPECIAL
IN-G	DR STRUCTURE, SINGLE INLET DR STRUCTURE COVER, TYPE G, SPECIAL
MH-G	DR STRUCTURE, MANHOLE, TYPE 1, 48 INCH DIA DR STRUCTURE COVER, TYPE G, SPECIAL
MH-B	DR STRUCTURE, MANHOLE, TYPE 1, 48 INCH DIA DR STRUCTURE COVER, TYPE B, SPECIAL
ST-12	SEWER, CL IV, C-76, 12 INCH, TR DET I, MODIFIED
ST-18	SEWER, CL IV, C-76, 18 INCH, TR DET V, MODIFIED
TAP	DR STRUCTURE, TAP, 12 INCH
ES	CULV END SECT, 12 INCH CULV END SECT, 18 INCH
S-TAP	SEWER TAP, 12-INCH
TREE-4	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE,' 6 FOOT
TREE-5	CORNUS ALTERNIFOLIA, 6 FOOT
SHRUB-6	FOTHERGILLA GARDENII, 3 GAL CONT
SHRUB-7	VIBURNUM P. TOMENTOSUM, 5 GAL CONT
FNC	FENCE, CHAIN LINK, 48-INCH, VINYL-COATED
FNC-WM	FENCE, CHAIN LINK, 48-INCH, WALL MOUNTED
REST	RESTORATION
RIP	"RIPRAP, HEAVY, MODIFIED"
ADJ	ADJUST STRUCTURE COVER



3-4-22	DATE
KG/DF/CC	DRAWN
TB	CHECKED

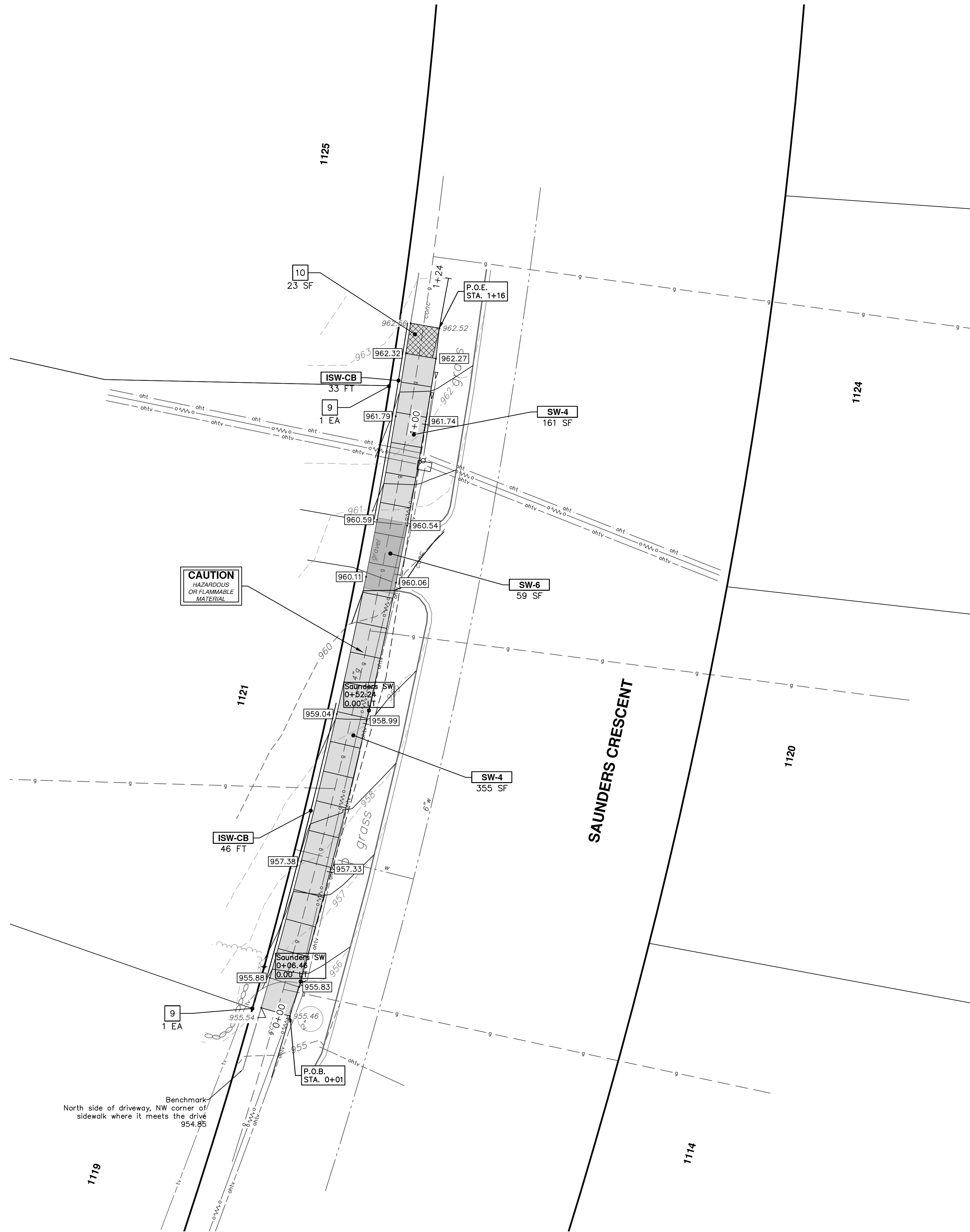
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SIDEWALK GAP ELIMINATION - 2022
HUTCHINS AVE AND PRESCOTT AVE SIDEWALK

SCALE: 1" = 10'
DRAWING No. 2022007-4
SHEET No. 4 OF 24



REMOVAL KEY	
KEY	DESCRIPTION
1	REMOVE CONCRETE CURB AND GUTTER - ANY THICKNESS*
2	EROSION CONTROL, INLET PROTECTION
3	EROSION CONTROL, SILT FENCE
4	TREE, REM, 6 INCH TO 18 INCH** TREE, REM, 19 INCH TO 36 INCH**
5	DR STRUCTURE, ANY SIZE OR DEPTH, REM
6	REMOVE HMA PAVEMENT
7	CULV, REM, LESS THAN 24-INCH CULV, REM, 24-INCH TO 48-INCH
8	FENCE, REM
9	PROTECT CORNERS
10	REMOVE CONCRETE SIDEWALK OR DRIVE - ANY THICKNESS
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* SAWCUT FULL DEPTH AT REMOVAL LIMITS

CONSTRUCTION KEY	
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ISW-CB	INTEGRAL SIDEWALK CURB, 6 INCH
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SW-6	6 INCH DRIVE APPROACH, RAMP, OR SIDEWALK
SW-8	8 INCH DRIVE APPROACH, OR SIDEWALK
CG	CURB AND GUTTER, CONC. AA DET SD-R-1, MODIFIED
DWS	DETECTABLE WARNING, CAST IN PLACE
DW-M	DRIVEWAY OPENING, CONC. DETAIL M, P-NIC
HMA	HMA APPROACH
DW-C	6 INCH DRIVE APPROACH, RAMP, OR SIDEWALK - HIGH EARLY
HP	HAND PATCHING
CUL12	CULV, CL F, 12 INCH
MH-K	DR STRUCTURE, MANHOLE, TYPE 1, 48 INCH DIA DR STRUCTURE COVER, TYPE K, SPECIAL
IN-G	DR STRUCTURE, SINGLE INLET DR STRUCTURE COVER, TYPE G, SPECIAL
MH-G	DR STRUCTURE, MANHOLE, TYPE 1, 48 INCH DIA DR STRUCTURE COVER, TYPE G, SPECIAL
MH-B	DR STRUCTURE, MANHOLE, TYPE 1, 48 INCH DIA DR STRUCTURE COVER, TYPE B, SPECIAL
ST-12	SEWER, CL IV, C-76, 12 INCH, TR DET I, MODIFIED
ST-18	SEWER, CL IV, C-76, 18 INCH, TR DET I, MODIFIED
TAP	DR STRUCTURE, TAP, 12 INCH
ES	CULV END SECT, 12 INCH CULV END SECT, 18 INCH
S-TAP	SEWER TAP, 12-INCH
TREE-4	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE,' 6 FOOT
TREE-5	CORNUS ALTERNIFOLIA, 6 FOOT
SHRUB-6	FOTHERGILLA GARDENII, 3 GAL CONT
SHRUB-7	VIBURNUM P. TOMENTOSUM, 5 GAL CONT
FNC	FENCE, CHAIN LINK, 48-INCH, VINYL-COATED
FNC-WM	FENCE, CHAIN LINK, 48-INCH, WALL MOUNTED
REST	RESTORATION
RIP	"RIPRAP, HEAVY, MODIFIED"
ADJ	ADJUST STRUCTURE COVER

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SIDEWALK GAP ELIMINATION - 2022

SCALE PLAN: 1" = 10'
 DRAWING No. 2022007-5

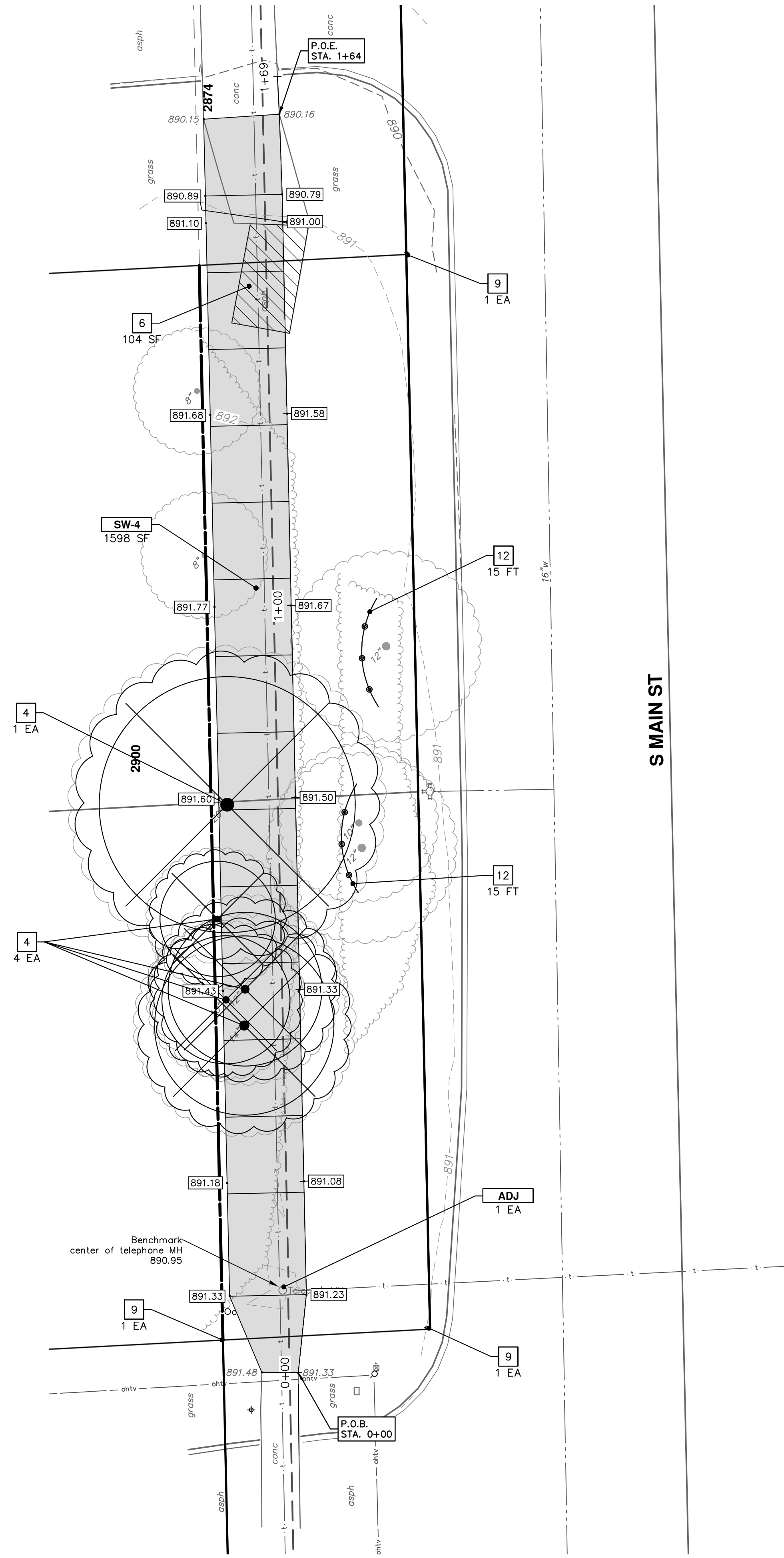
SAUNDERS CRESCENT SIDEWALK

SHEET No. 5 OF 24

CITY OF ANN ARBOR
 PUBLIC SERVICES
 301 EAST HURON STREET
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 ANN ARBOR 734.794.4410
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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	OUT TO BID	3-4-22	KG/DF/CC	TB

Know what's below.
Call before you dig.



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DW-M	DRIVEWAY OPENING, CONC, DETAIL M, P-NC
HMA	HMA APPROACH
DW-C	6 INCH DRIVE APPROACH, RAMP, OR SIDEWALK - HIGH EARLY
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CUL12	CULV, CL F, 12 INCH
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IN-G	DR STRUCTURE, SINGLE INLET DR STRUCTURE COVER, TYPE G, SPECIAL
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SIDEWALK GAP ELIMINATION - 2022

SCALE PLAN: 1" = 10'
 DRAWING No. 2022007-6

S MAIN ST SIDEWALK

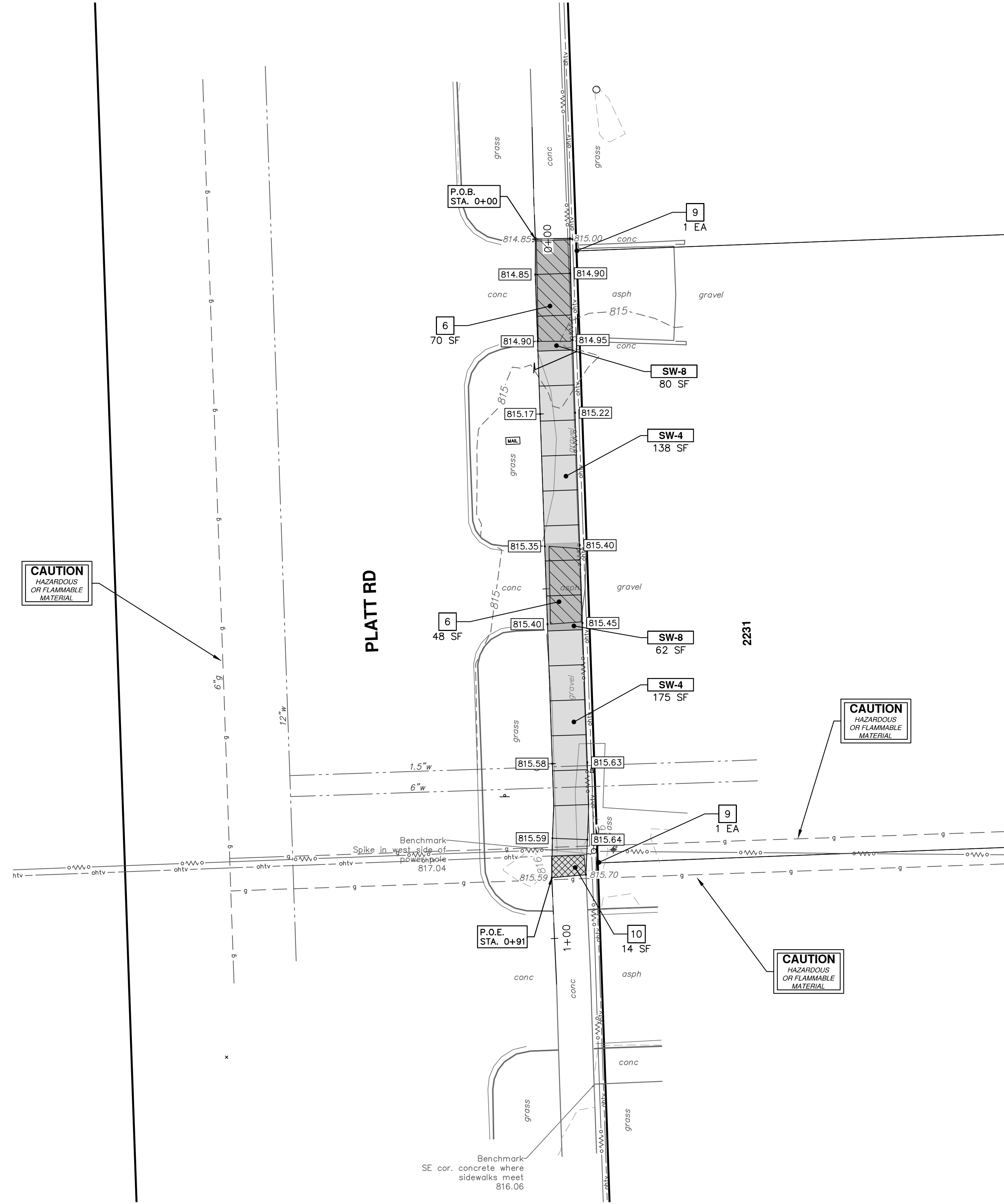
DESCRIPTION

REV. DATE DRAWN CHECKED

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 ANN ARBOR 734-794-6410
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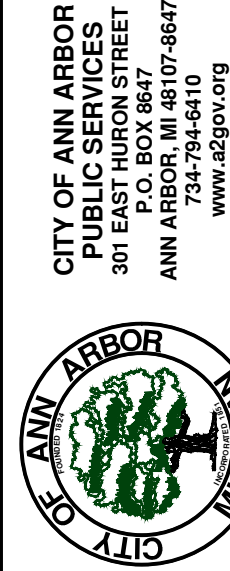
SHEET No. **6 OF 24**



REMOVAL KEY	
KEY	DESCRIPTION
1	REMOVE CONCRETE CURB AND GUTTER - ANY THICKNESS*
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* SAWCUT FULL DEPTH AT REMOVAL LIMITS

CONSTRUCTION KEY	
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ST-12	SEWER, CL IV, C-76, 12 INCH, TR DET I, MODIFIED
ST-18	SEWER, CL IV, C-76, 12 INCH, TR DET V, MODIFIED
TAP	SEWER, CL IV, C-76, 18 INCH, TR DET I, MODIFIED
ES	SEWER, CL IV, C-76, 18 INCH, TR DET V, MODIFIED
S-TAP	SEWER TAP, 12-INCH
TREE-4	CULV END SECT, 12 INCH CULV END SECT, 18 INCH
TREE-5	SEWER TAP, 12-INCH
SHRUB-6	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE,' 6 FOOT
SHRUB-7	CORNUS ALTERNIFOLIA, 6 FOOT
FNC	FOTHERGILLA GARDENII, 3 GAL CONT
FNC-WM	VIBURNUM P. TOMENTOSUM, 5 GAL CONT
REST	FENCE, CHAIN LINK, 48-INCH, VINYL-COATED
RIP	FENCE, CHAIN LINK, 48-INCH, WALL MOUNTED
ADJ	RESTORATION
	"RIPRAP, HEAVY, MODIFIED"
	ADJUST STRUCTURE COVER



CITY OF ANN ARBOR
PUBLIC SERVICES
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REV	DESCRIPTION	DATE	BY	CHECKED
00	OUT TO BID	3-4-22	KG/DF/CC	TB

CONSTRUCTION NOTES:

- DRIVEWAYS, SIDEWALKS AND ENTRANCES TO 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.
- THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND SERVICE LEADS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- 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.
- DURING NON-WORKING HOURS NO TRENCH SHALL REMAIN OPEN
- THE CONTRACTOR SHALL BACKFILL TRENCHES IN ACCORDANCE WITH TRENCH DETAIL SPECIFIED ON PLANS. ALL CONCRETE REMOVALS AND REPLACEMENTS REQUIRED FOR THIS WORK WILL BE PAID FOR SEPARATELY.
- POSTAL DELIVERY AND REFUSE PICKUP SERVICE SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUOUS MAINTENANCE OF THE TEMPORARY SOIL EROSION CONTROL MEASURES WITHIN THE CONSTRUCTION AREA UNTIL THE FULL COMPLETION OF THE PROJECT. THIS WORK SHALL BE INCLUDED IN THE VARIOUS EROSION CONTROL ITEMS OF WORK.
- ALL CURB, SIDEWALK, DRIVEWAY APPROACH REMOVALS SHALL BE APPROVED BY ENGINEER BEFORE THE WORK IS DONE.
- THE LOCATION OF MATERIAL STOCK PILES AND ON-SITE STAGING AREAS ARE TO BE APPROVED BY THE ENGINEER.
- 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 "SIDEWALK GRADING"

SOIL EROSION AND SEDIMENTATION CONTROL NOTES

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

- 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.
- ALL SOIL EROSION AND SEDIMENTATION CONTROL WORK SHALL CONFORM TO THE PERMIT REQUIREMENTS OF THE CITY OF ANN ARBOR, CITY ORDINANCE CHAPTER 63, CITY OF ANN ARBOR STANDARDS DIVISION VII, THE LAWS OF THE STATE OF MICHIGAN, AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- 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.
- 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.
- 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, WITHIN FOUR (4) HOURS OF BEING SO ORDERED.
- ALL AREAS TO BE PERMANENTLY RESTORED WITH GRASS SHALL RECEIVE TOPSOIL, HYDROSEED, AND STAKED EROSION CONTROL BLANKETS (MULCH BLANKETS) AND SHALL BE PERFORMED WITHIN FIVE (5) DAYS OF THE COMPLETION OF FINAL GRADE.
- 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.
- SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
- PROPER DUST CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION BY USE OF WATER TRUCKS AND/OR DUST PALLIATIVE AS REQUIRED.
- 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.
- 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.

SOIL EROSION SEQUENCE OF CONSTRUCTION:

- PLACE INLET FILTERS ON EXISTING DRAINAGE FEATURES THAT WILL REMAIN IN PLACE AFTER CONSTRUCTION BEGINS.
- INSTALL SIDEWALKS, RETAINING WALLS, AND STORM SEWER AND STRUCTURES.
- RESTORE ALL DISTURBED AREAS TO A CONDITION THAT IS BETTER THAN, OR EQUAL TO, THAT WHICH EXISTED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- INSPECT & REPAIR OR REPLACE ALL TEMPORARY SESC MEASURES WEEKLY AND WITHIN 24 HOURS OF A STORM EVENT.
- ESTABLISH VEGETATION FOR ALL DISTURBED AREAS WITHIN CONSTRUCTION LIMITS.
- CLEAN OUT STORM SEWER SYSTEMS.
- REMOVE TEMPORARY SESC FEATURES (CALL FOR FINAL INSPECTION).
- REMEDY ANY NOTED DEFECTS TO THE SATISFACTION OF THE CITY'S SESC OFFICIAL.

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

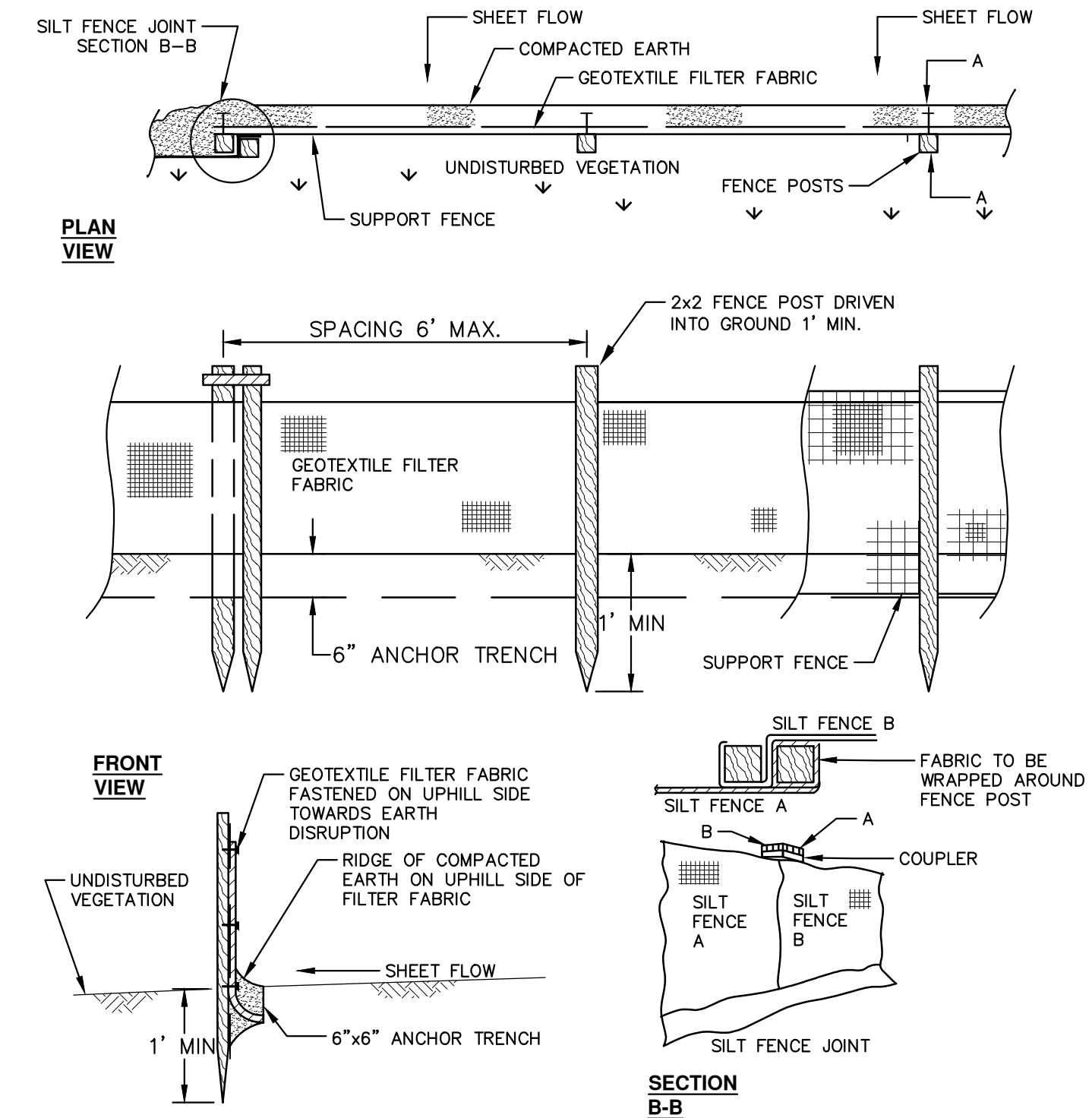
TEMPORARY SEEDING:

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

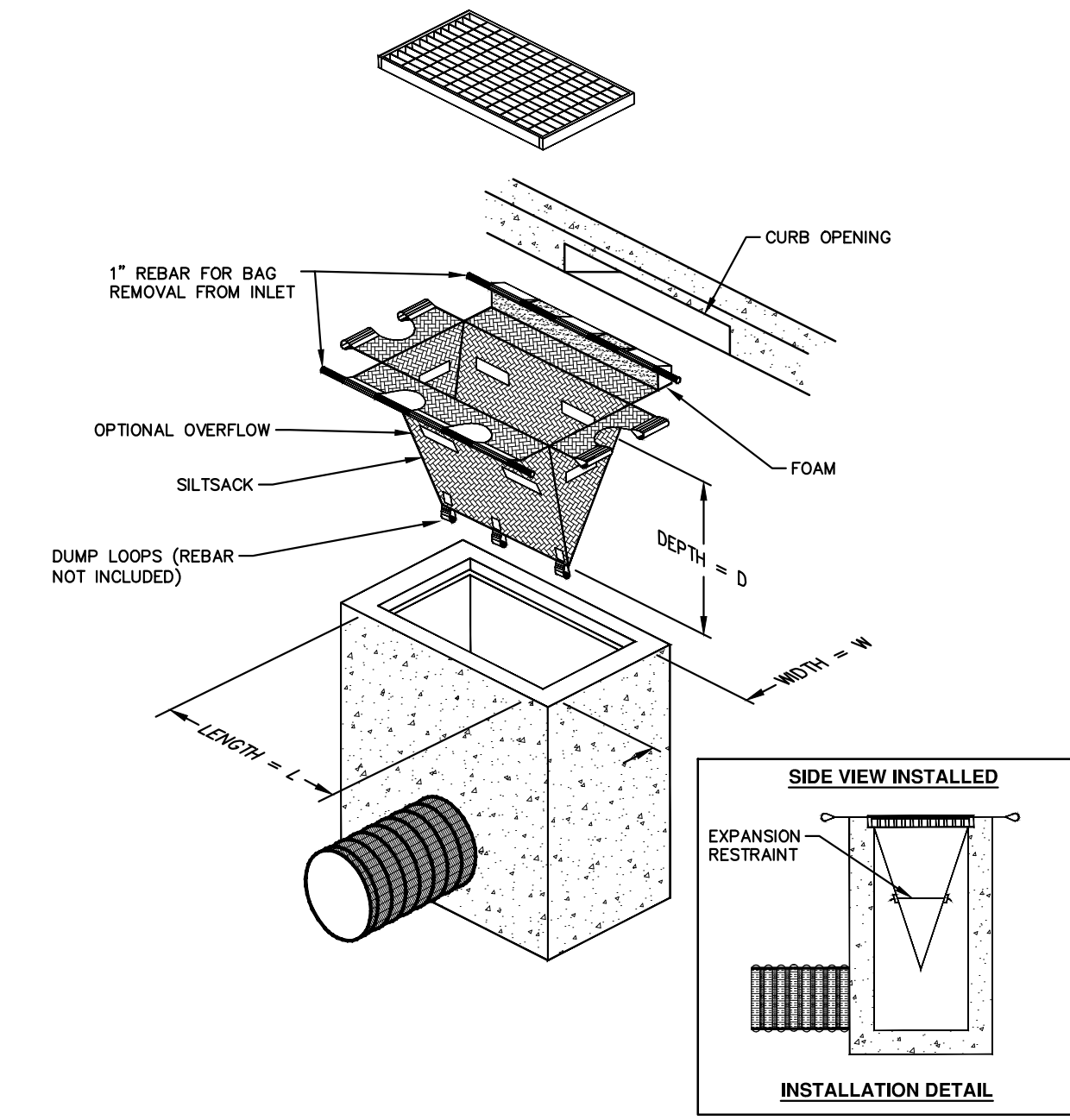
THE ESTIMATED COST OF SOIL EROSION AND SEDIMENTATION CONTROL MEASURES, TOPSOIL, SEEDING, AND MULCH = \$2,856

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

- NIXON ROAD
- WawabC - WAWASEE LOAM, 6 TO 12 PERCENT SLOPE
 - WawabB - WAWASEE LOAM, 2 TO 6 PERCENT SLOPE



SILT FENCE SD-EC-3
PAID FOR AS EROSION CONTROL, SILT FENCE



SILTSACK DETAIL
PAID FOR AS EROSION CONTROL, INLET PROTECTION, FABRIC DROP

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 PSF
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

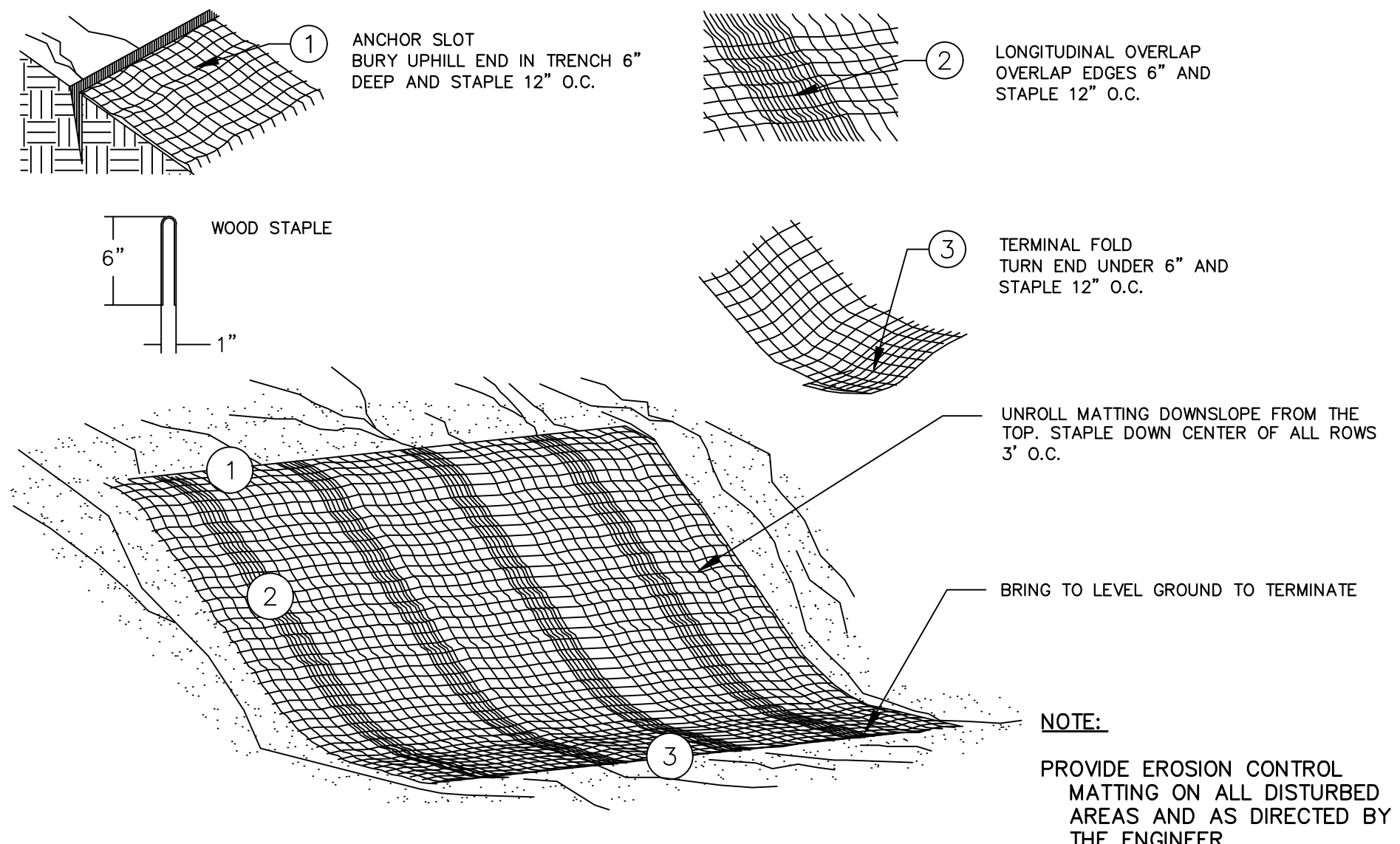
(FOR AREAS OF MODERATE TO HEAVY PRECIPITATION AND RUN-OFF)

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 PSF
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90%
APPARENT OPENING SIZE	ASTM D-4751	30 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.
PAID FOR AS MULCH BLANKET, MODIFIED

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	

CONTACT INFORMATION

PUBLIC UTILITIES	OWNER	CONTACT
WATER		
SANITARY		
STORM	CITY OF ANN ARBOR PUBLIC WORKS W.R. WHEELER SERVICE CENTER 4251 STONE SCHOOL ROAD ANN ARBOR, MI 48108	(734) 794-6350
FORESTRY		
SIGNS SIGNALS STREET LIGHTS		(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	CLAY COMBEE (734) 397-4112
CABLE	COMCAST 27800 FRANKLIN ROAD SOUTHFIELD, MI 48034	RON SUTHERLAND (313) 999-8300
PHONE	AT&T 550 S. MAPLE ROAD ANN ARBOR, MI 48103	(734) 996-2135
FIBER OPTIC	MCI 2800 N. GLENFILLE ROAD RICHARDSON, TX 75082	DEAN BOYERS (972) 729-6016

TRAVER/NIXON BENCHMARKS

BM #	ELEV	DESCRIPTION
5	909.089	NORTHEAST BOLT ON METAL LIGHT POLE, 25' WEST OF NIXON CENTERLINE, 70' SOUTH OF TRAVER CENTERLINE
6	915.098	EAST SIDE OF SANITARY MANHOLE, CENTERLINE NIXON, 194± NORTH OF TRAVER BLVD
7	930.99	EAST SIDE OF SANITARY MANHOLE, CENTERLINE NIXON, 91± NORTH OF ARGONNE DRIVE
8	938.395	WEST SIDE OF STORM MANHOLE, 12± WEST OF CENTERLINE NIXON, 194± SOUTH OF WESTBURY COURT

R:\2022007_2022+ SW Gap Projects\2 NOTES.dwg - _a2_standard bw.stb - Plot Date: 3/4/2022 2:55:54 PM

Know what's below.
Call before you dig.

3-4-22
DATE

KG/JF/CC
DRAWN

3-4-22
DATE

KG/JF/CC
DRAWN

3-4-22
DATE

KG/JF/CC
DRAWN

3-4-22
DATE

KG/JF/CC
DRAWN

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SIDEWALK GAP ELIMINATION - 2022

TRAVER NIXON

STANDARD NOTES

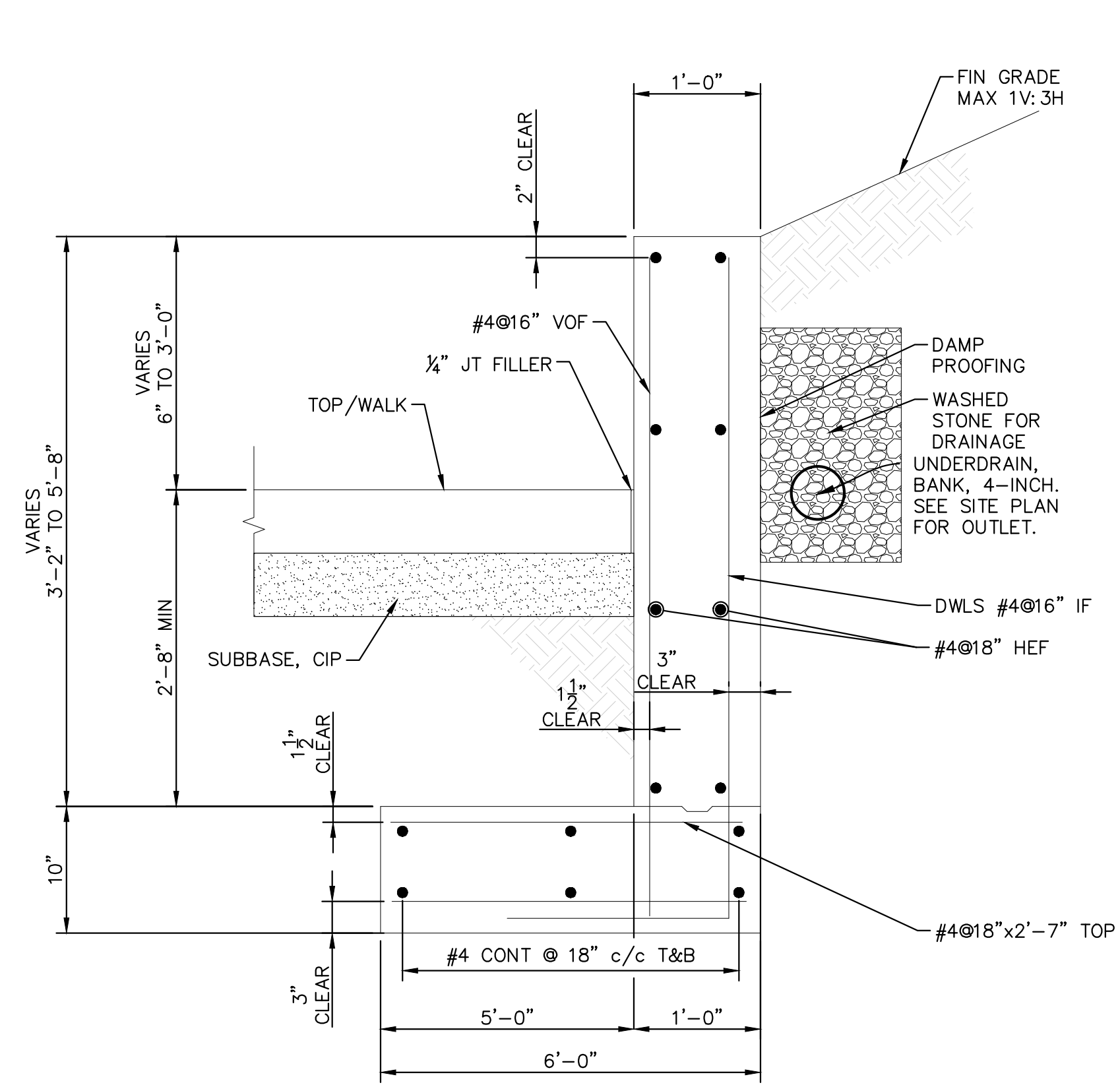
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DRAWING NO. 2022007-8

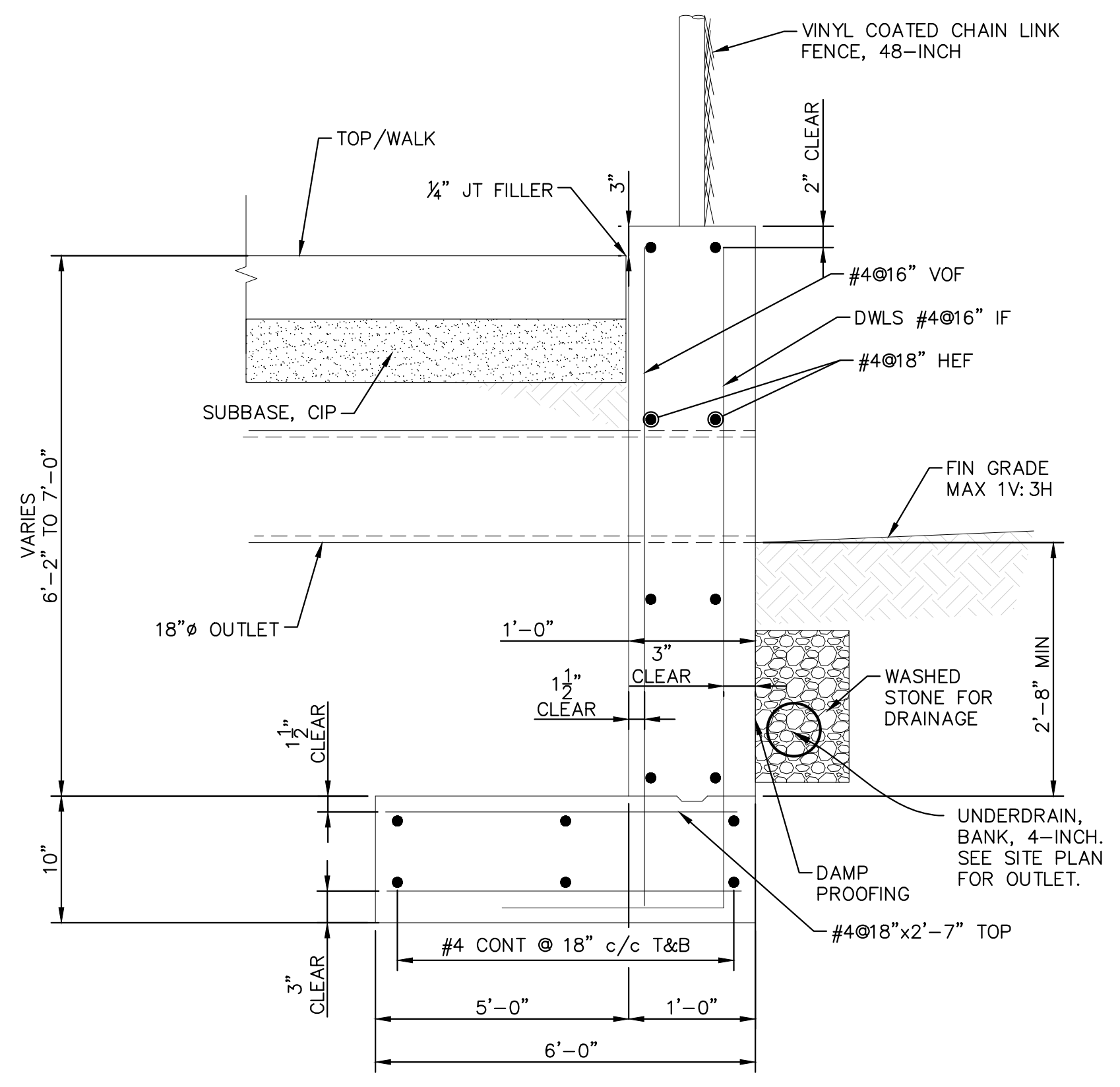
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8 OF 24

R:\2022007_2022+ SW Gap Projects\CDT-PLTS-DETAILS.dwg Dwg Created: 2-Mar-22 - _a2 standard bw.stb - Plot Date: 4-Mar-22



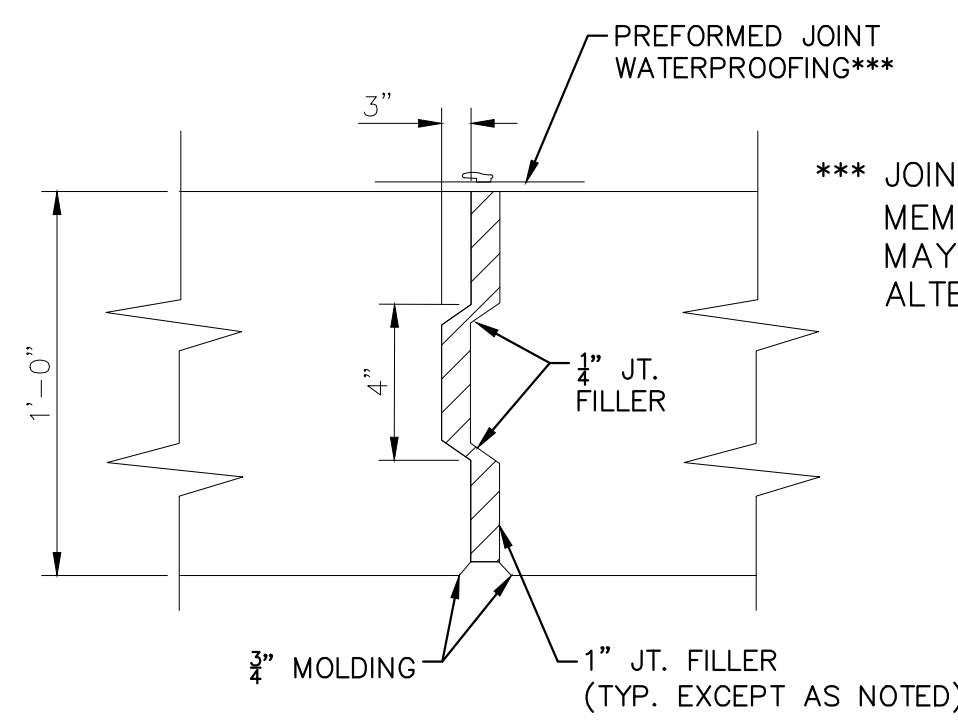
CASE A



CASE C

SIDEWALK RETAINING WALL, 6-INCH TO 48-INCH

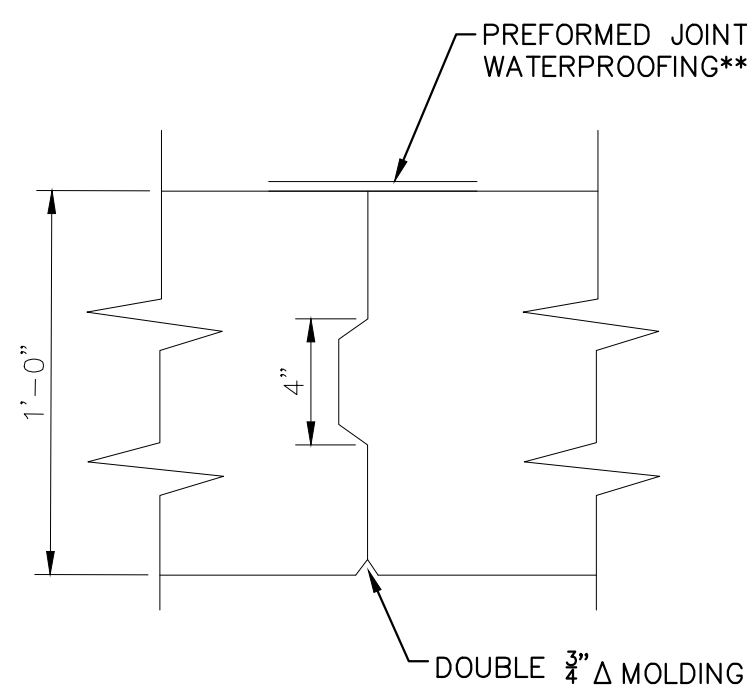
- RETAINING WALL NOTES:
1. CONCRETE SHALL BE 3,500 PSI.
 2. STEEL REINFORCEMENT SHALL MEET THE REQUIREMENTS OF ASTM A615, GRADE 60.



*** JOINT WATERPROOFING MEMBRANE (J.W.P.) MAY BE USED AS AN ALTERNATE

WALL EXPANSION JOINT DETAIL

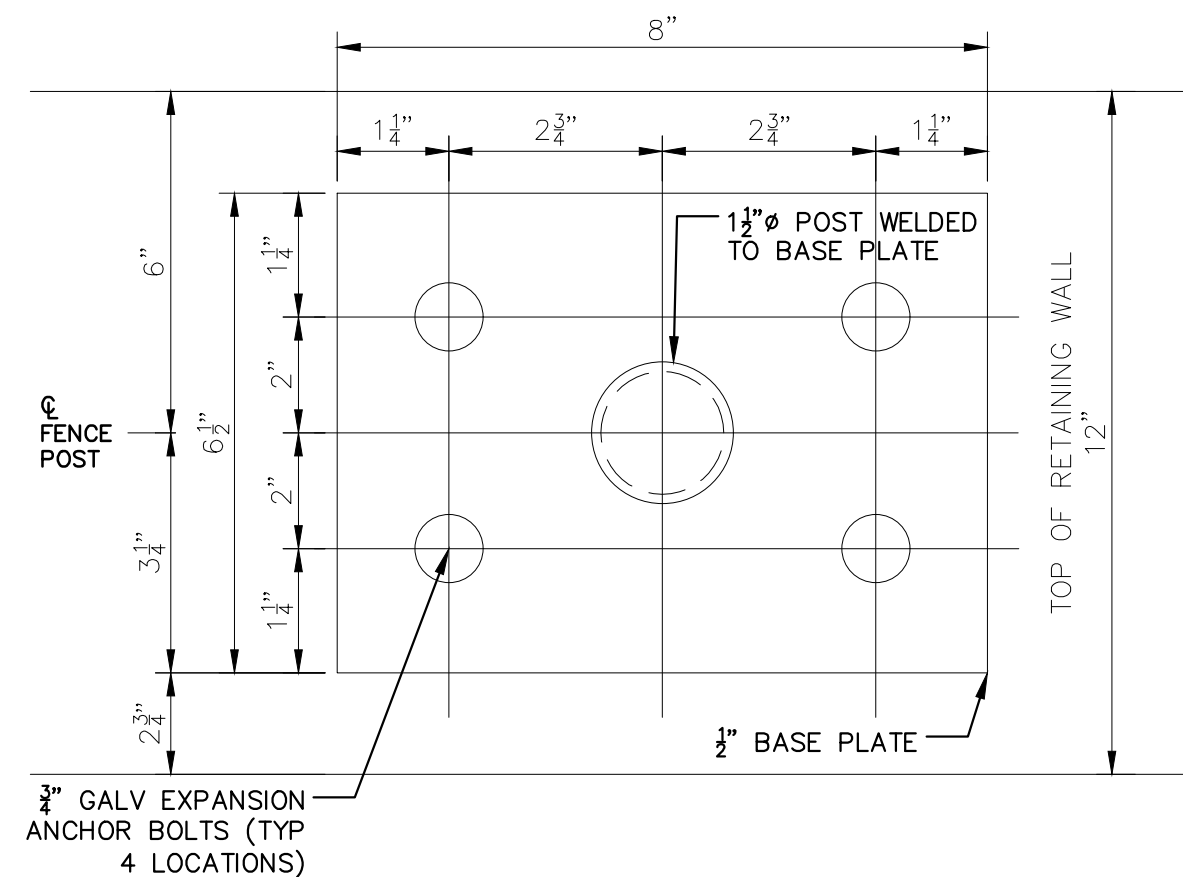
FOR USE ON SIDEWALK RETAINING WALL, 6 TO 48 INCH



*** JOINT WATERPROOFING MEMBRANE (J.W.P.) MAY BE USED AS AN ALTERNATE

WALL CONSTRUCTION JOINT DETAIL

FOR USE ON SIDEWALK RETAINING WALL, 6 TO 48 INCH



FENCE POST AND BASE PLATE PLAN

FOR USE ON FENCE, CHAIN LINK, 48-INCH, WALL MOUNTED

	4' FENCE	6' FENCE	8' FENCE	12' FENCE
NOMINAL PIPE SIZES (WEIGHT)				
TERMINAL, TURNING, OR GATE POST	1 1/2" (2.72#/L.F.)	2 1/2" (5.79#/L.F.)	3 1/2" (9.11#/L.F.)	3 1/2" (9.11#/L.F.)
LINE POST	1 1/4" (2.27#/L.F.)	2" (3.65#/L.F.)	2" (3.65#/L.F.)	2" (3.65#/L.F.)
TOP RAIL	1" (1.68#/L.F.)	1 1/4" (2.27#/L.F.)	1 1/4" (2.27#/L.F.)	1 1/4" (2.27#/L.F.)
MIDDLE RAIL	NONE	NONE	1 1/4" (2.27#/L.F.)	1 1/4" (2.27#/L.F.)
BOTTOM RAIL	NONE	NONE	1 1/4" (2.27#/L.F.)	1 1/4" (2.27#/L.F.)
BRACE RAIL	1" (1.68#/L.F.)	1 1/4" (2.27#/L.F.)	1 1/4" (2.27#/L.F.)	1 1/4" (2.27#/L.F.)
FOOTING DIAMETERS				
TERMINAL, TURNING, OR GATE POST	12"	18"	18"	18"
LINE POST	9"	12"	12"	12"

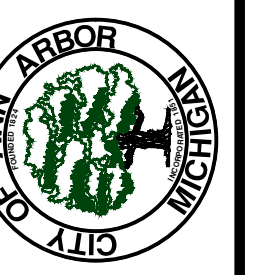
REVISIONS				
REV. NO.	DR. BY	CH. BY	DATE	
PUBLIC SERVICES DEPARTMENT CITY OF ANN ARBOR				
CHAIN LINK FENCE				
DR. BY	NCF	CH. BY	CSS	DRAWING NO.
SCALE	NONE	DATE	1-31-94	SD-L-1
INCH	[Scale Bar]			SHEET NO. OF

PAID FOR AS FENCE, CHAIN LINK, 48-INCH, VINYL-COATED AND FENCE, CHAIN LINK, 48-INCH, VINYL-COATED, WALL MOUNTED



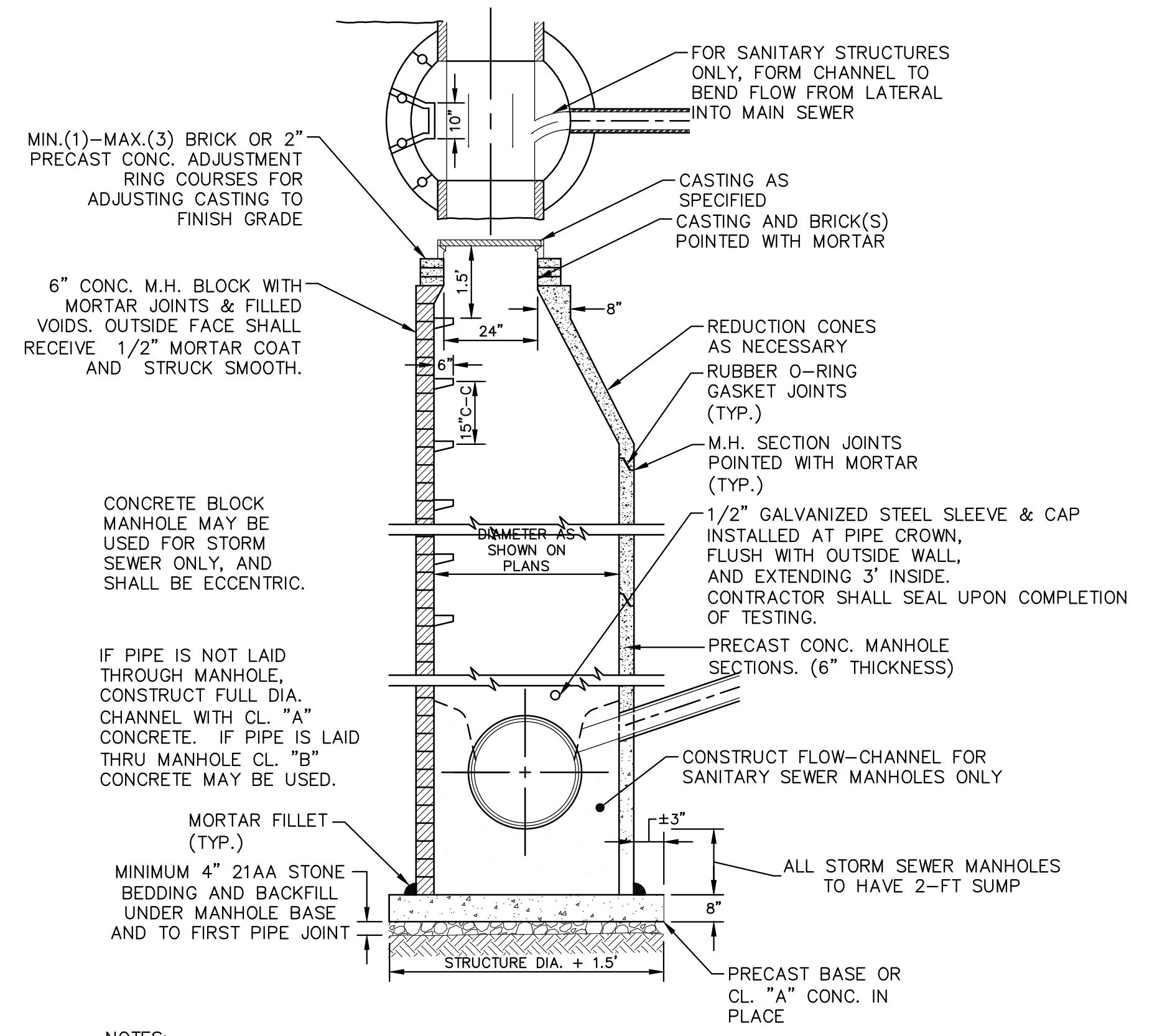
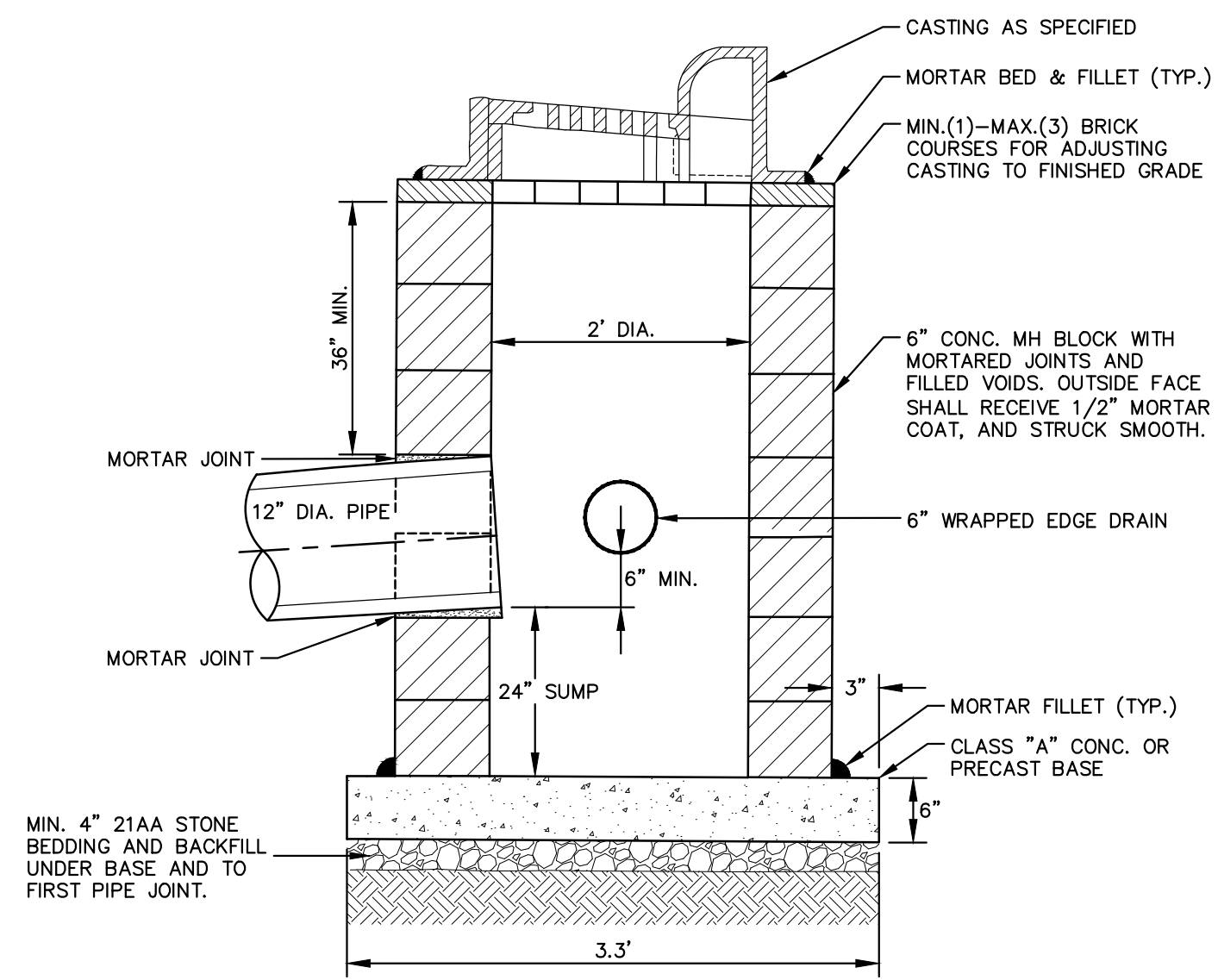
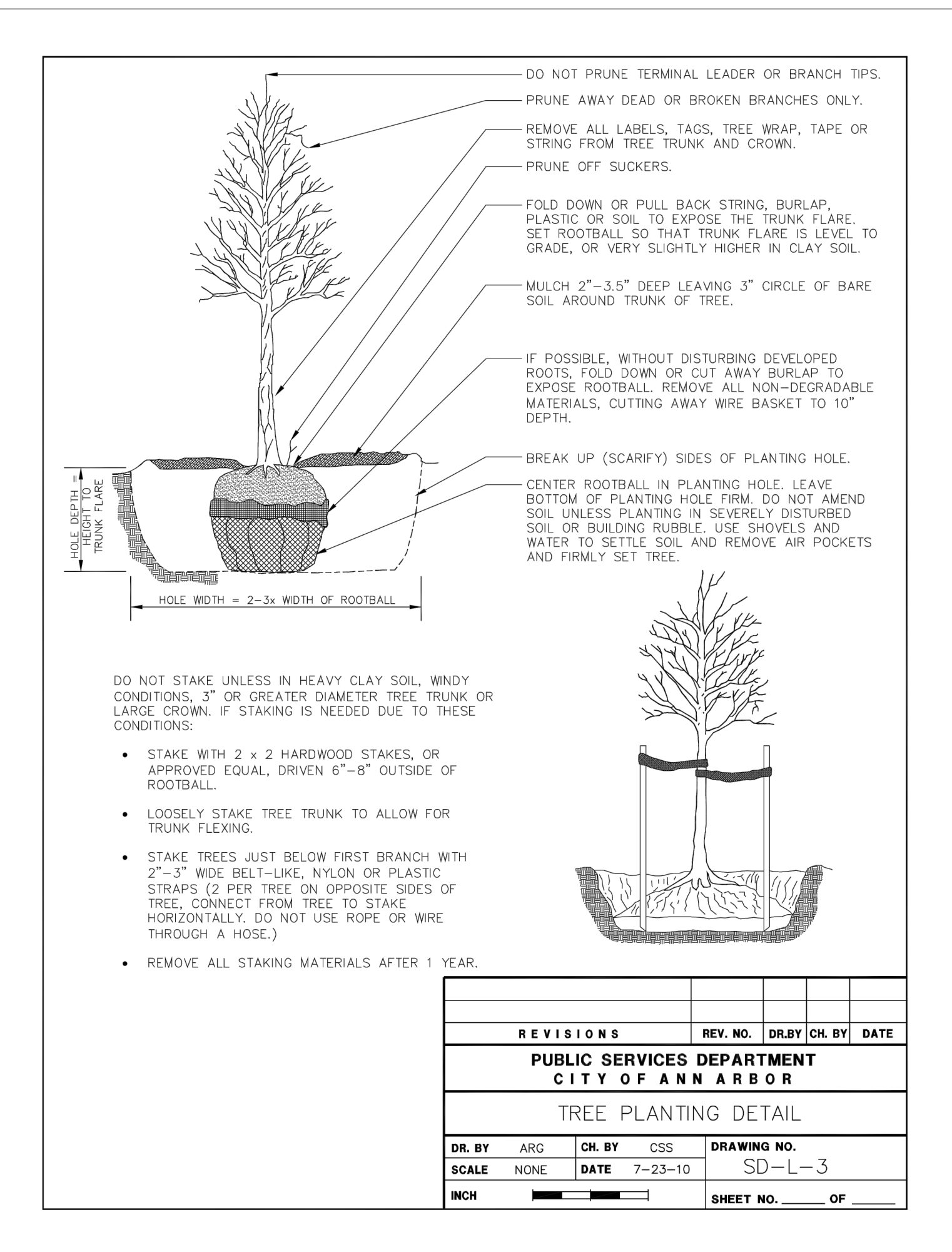
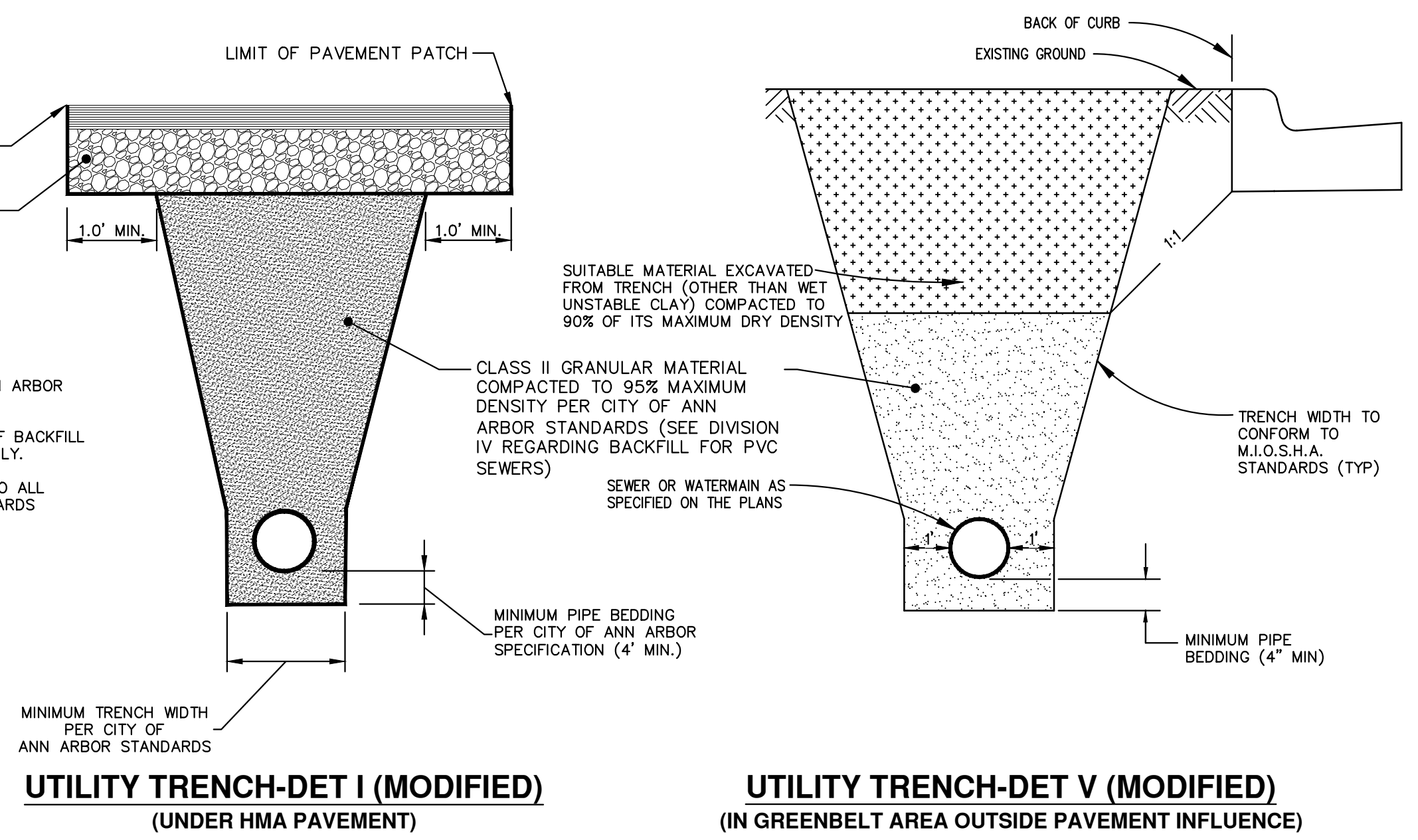
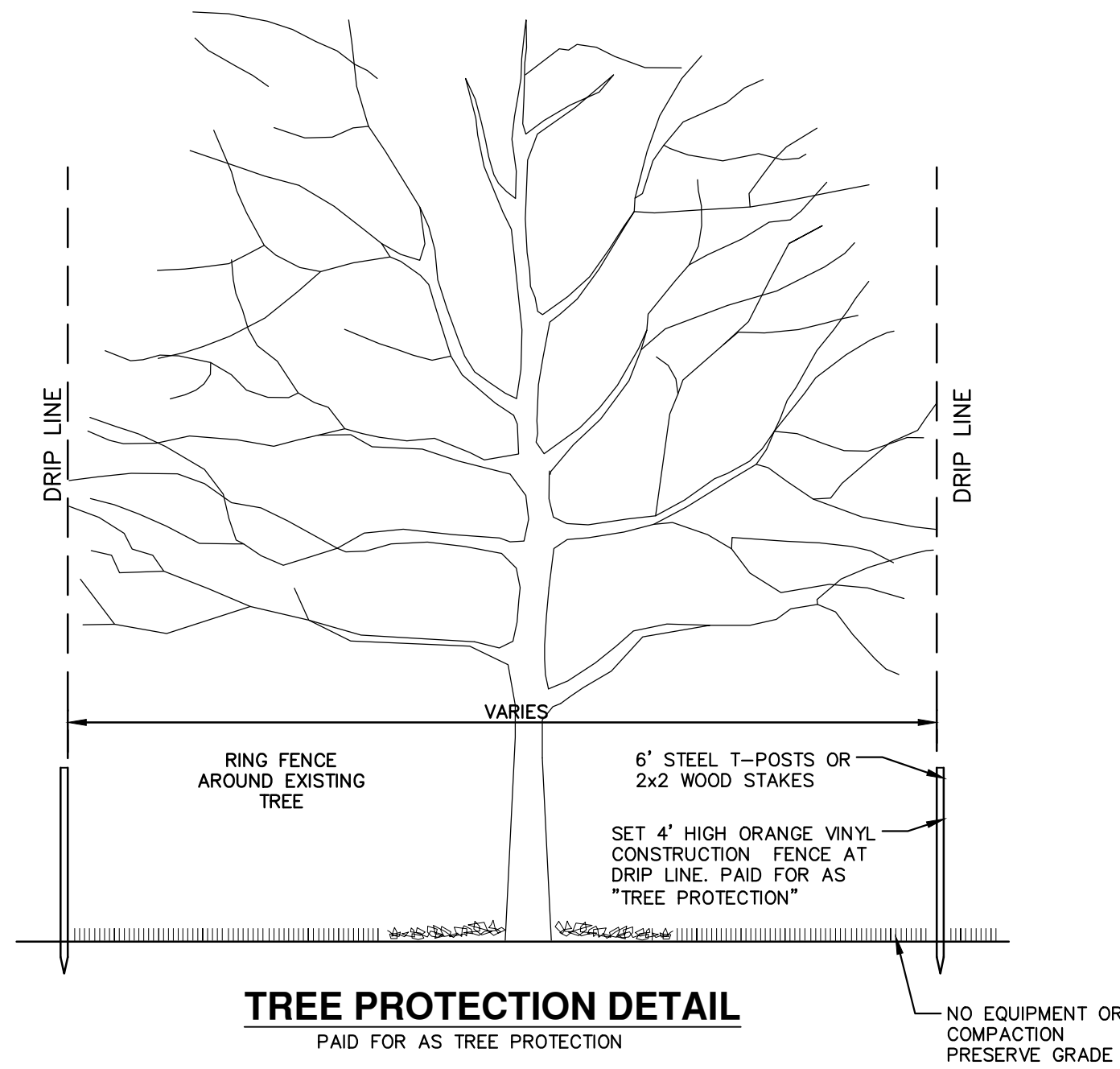
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00	OUT TO BID	3-4-22	KG/DF/CC	TB

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SIDEWALK GAP ELIMINATION - 2022
TRAVER NIXON
DETAILS

SCALE	NONE
DRAWING NO.	2022007-9



- NOTES:
- MAY BE USED WITH ONLY SINGLE OUTLET PIPE, AND NO INLET PIPE
 - FRONT EDGE OF INLET CASTING SHALL BE FLUSH WITH FRONT EDGE OF GUTTER (EDGE-OF-METAL)

- NOTES:
- ALL SANITARY MANHOLES SHALL BE PRECAST CONCRETE.
 - ALL MANHOLES MUST HAVE ECCENTRIC CONES - BOTH STORM AND SANITARY
 - ALL SANITARY SEWER OPENINGS SHALL BE PRECAST WITH RUBBER BOOT CONNECTIONS.
 - 2' SUMP REQUIRED ON ALL DRAINAGE STRUCTURES.

811 Know what's below. Call before you dig.

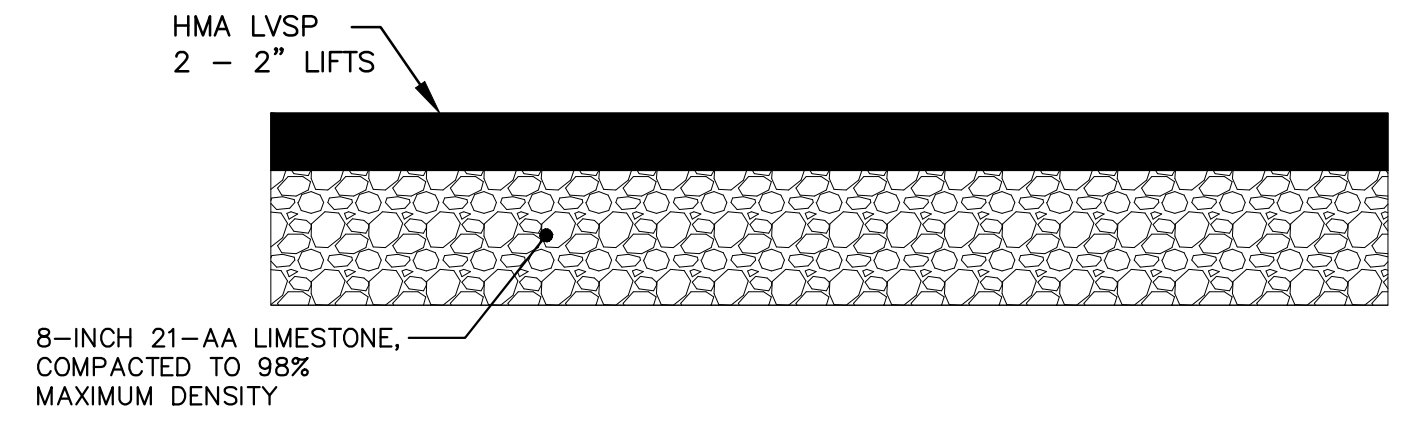
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3-4-22					KG/JF/CC	TB

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PUBLIC SERVICES DEPARTMENT
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ANN ARBOR, MI 48106-1000
734.794.6410
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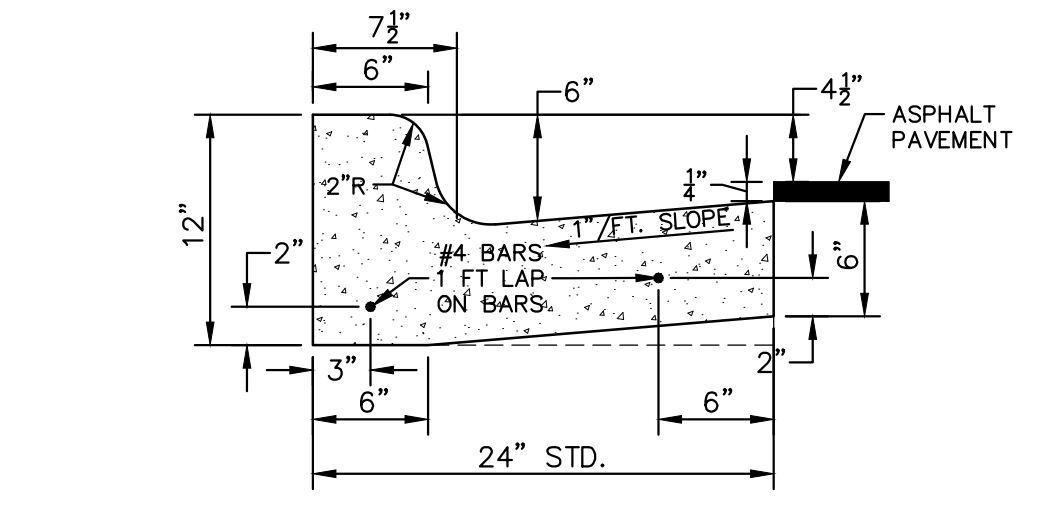
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SIDEWALK GAP ELIMINATION - 2022
TRAYER NIXON
DETAILS

SCALE NONE
DRAWING No. 2022007-10
SHEET No. 10 OF 24

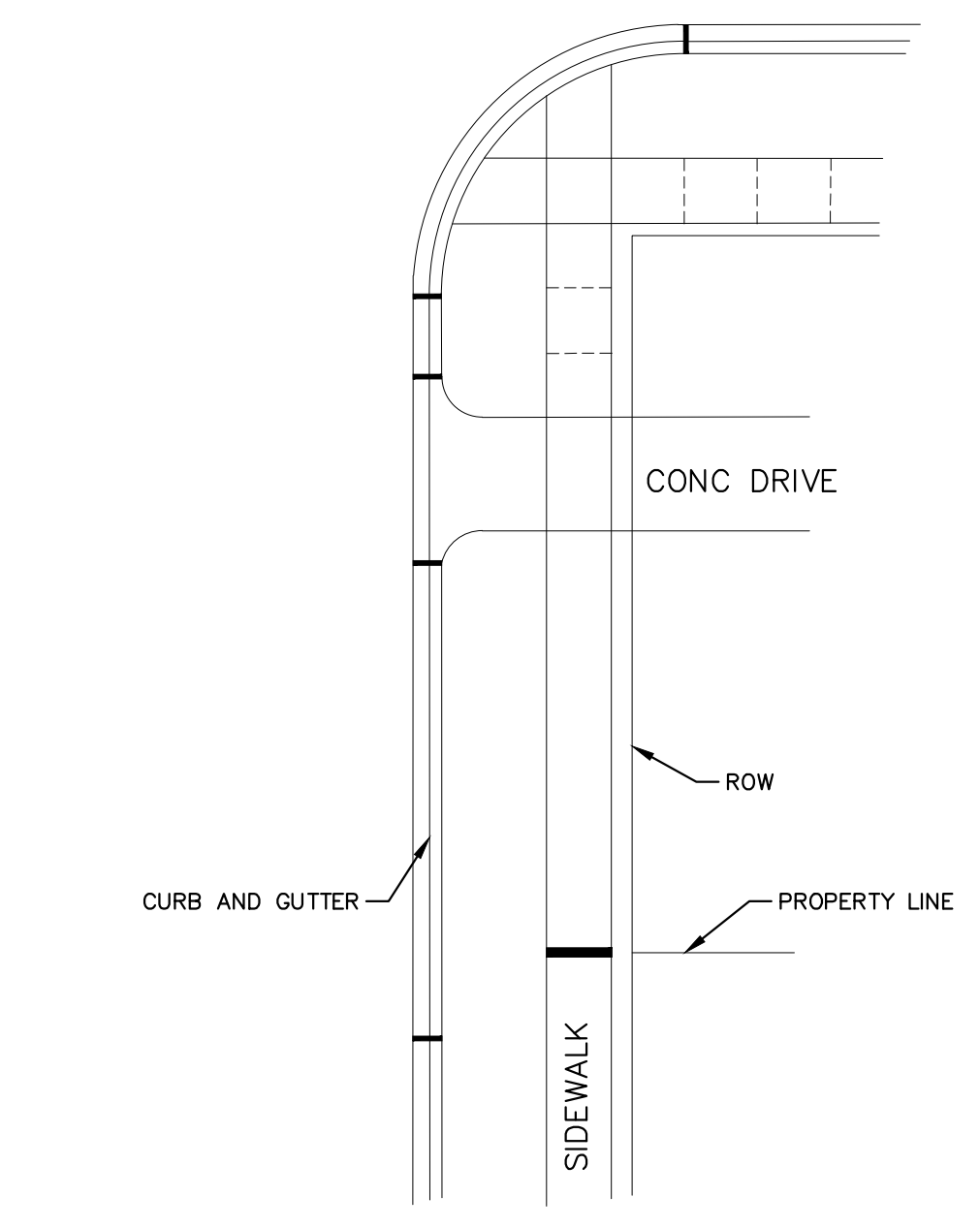
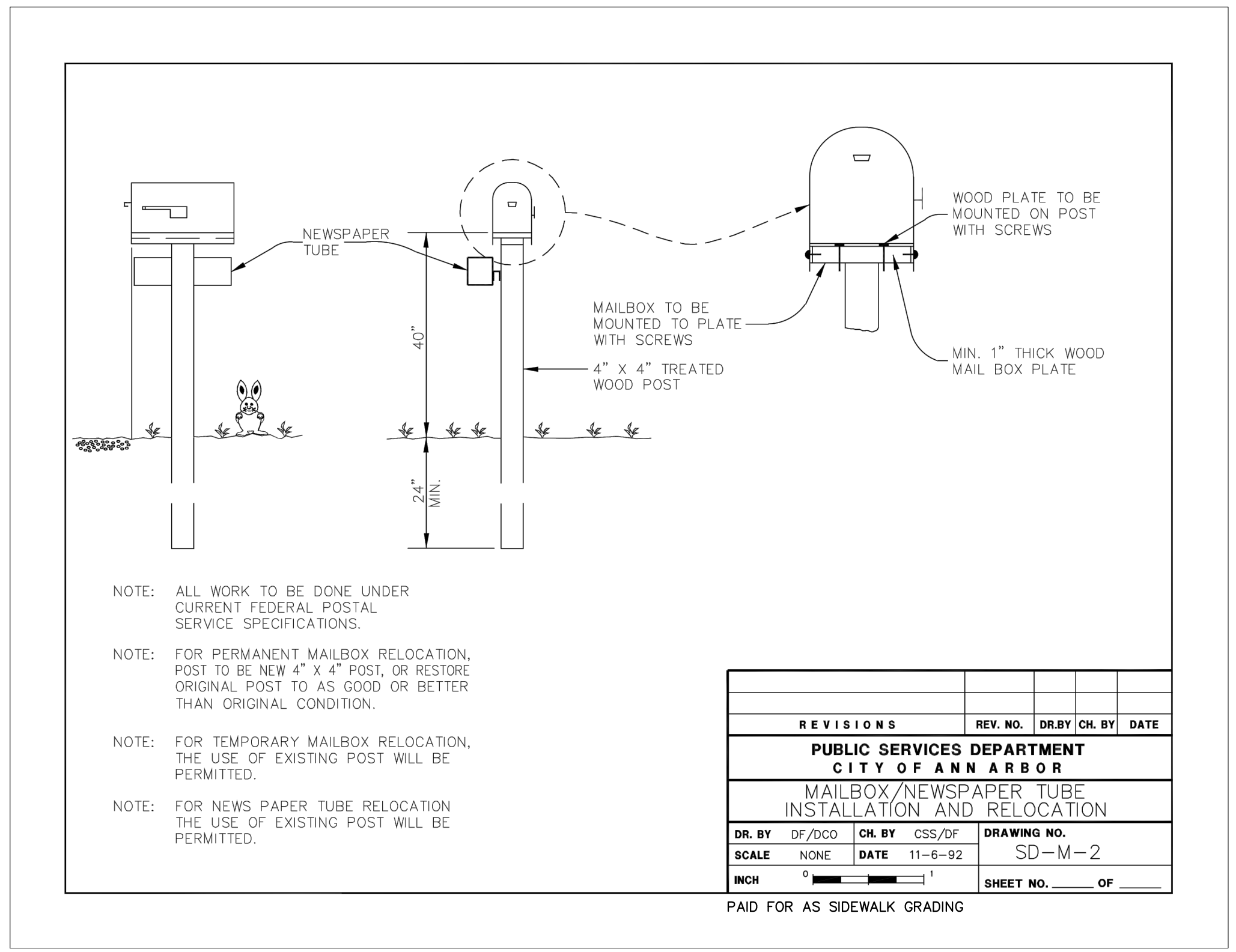
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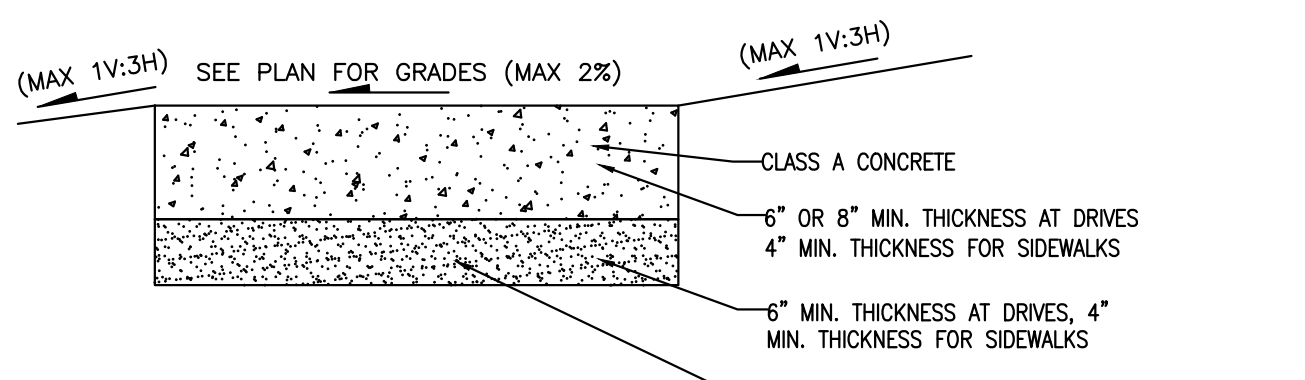
HMA PAVEMENT DETAIL
APPLIES TO HMA APPROACH



CURB AND GUTTER, CONC, DET SD-R-1, SPECIAL
NO SCALE
PAID FOR AS CURB AND GUTTER, CONC, AA DET SD-R-1, MODIFIED

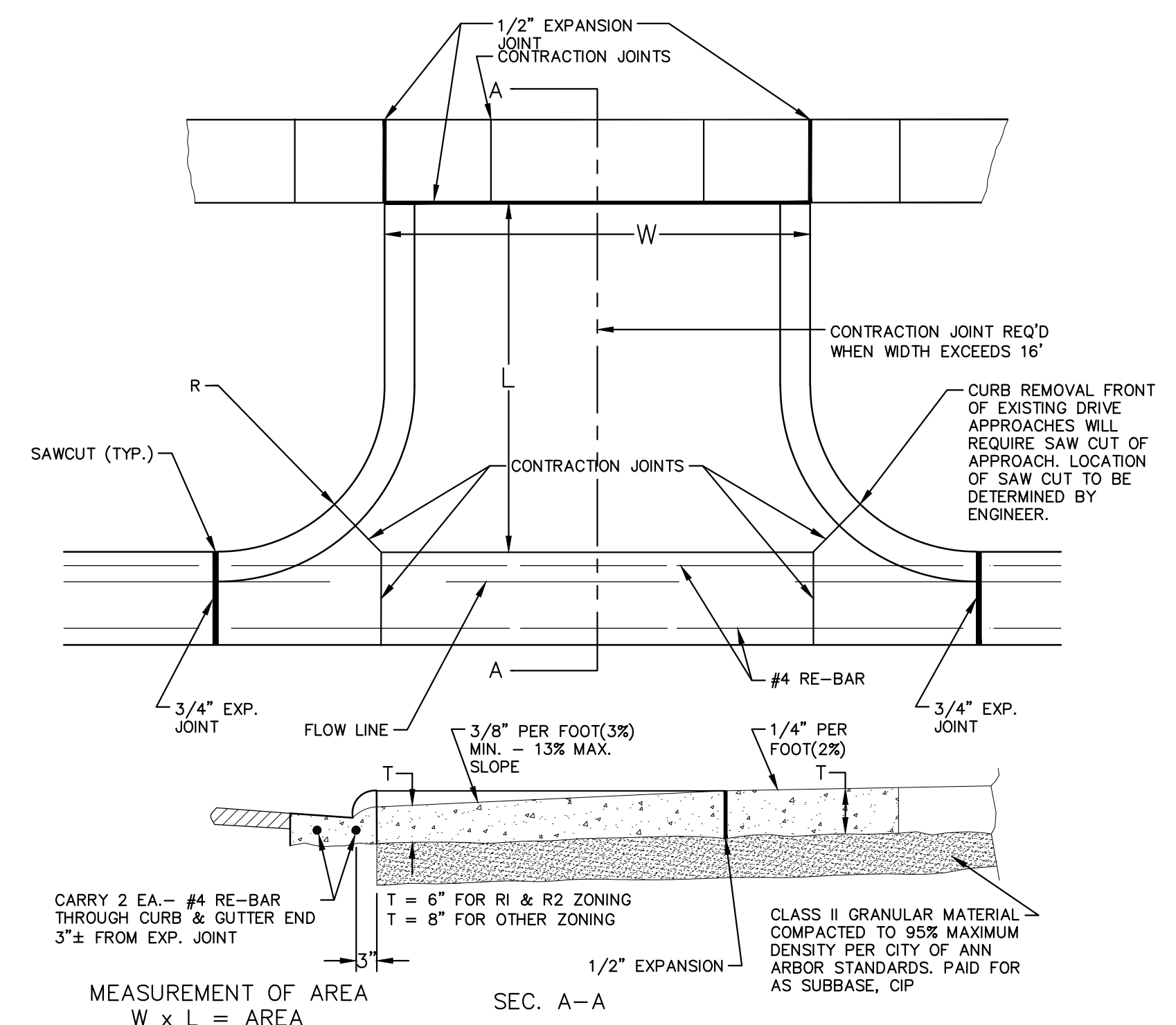


- LEGEND:**
- CONTRACTION JOINTS - - - - -
 - 1/2" EXPANSION JOINTS ————
 - 3/4" EXPANSION JOINTS ————

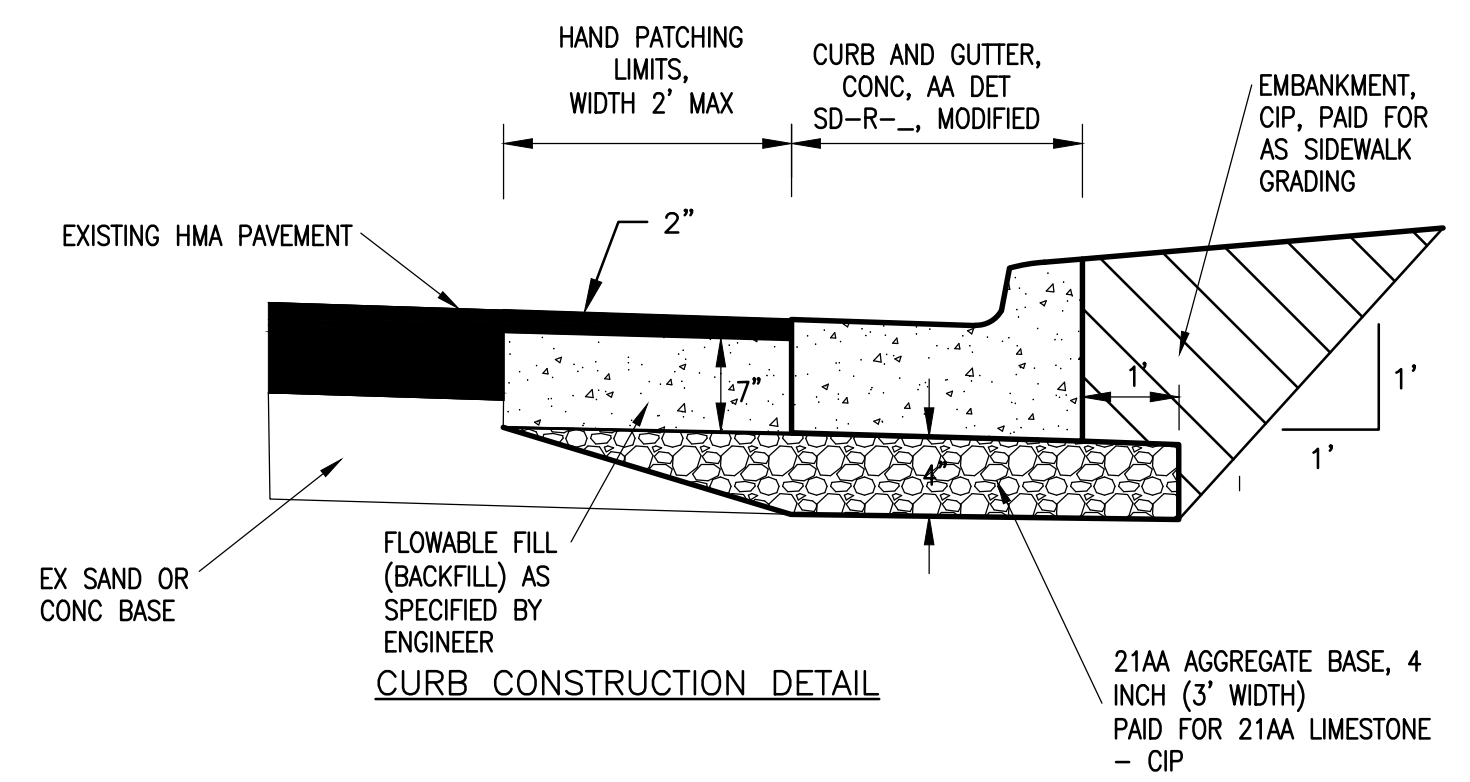
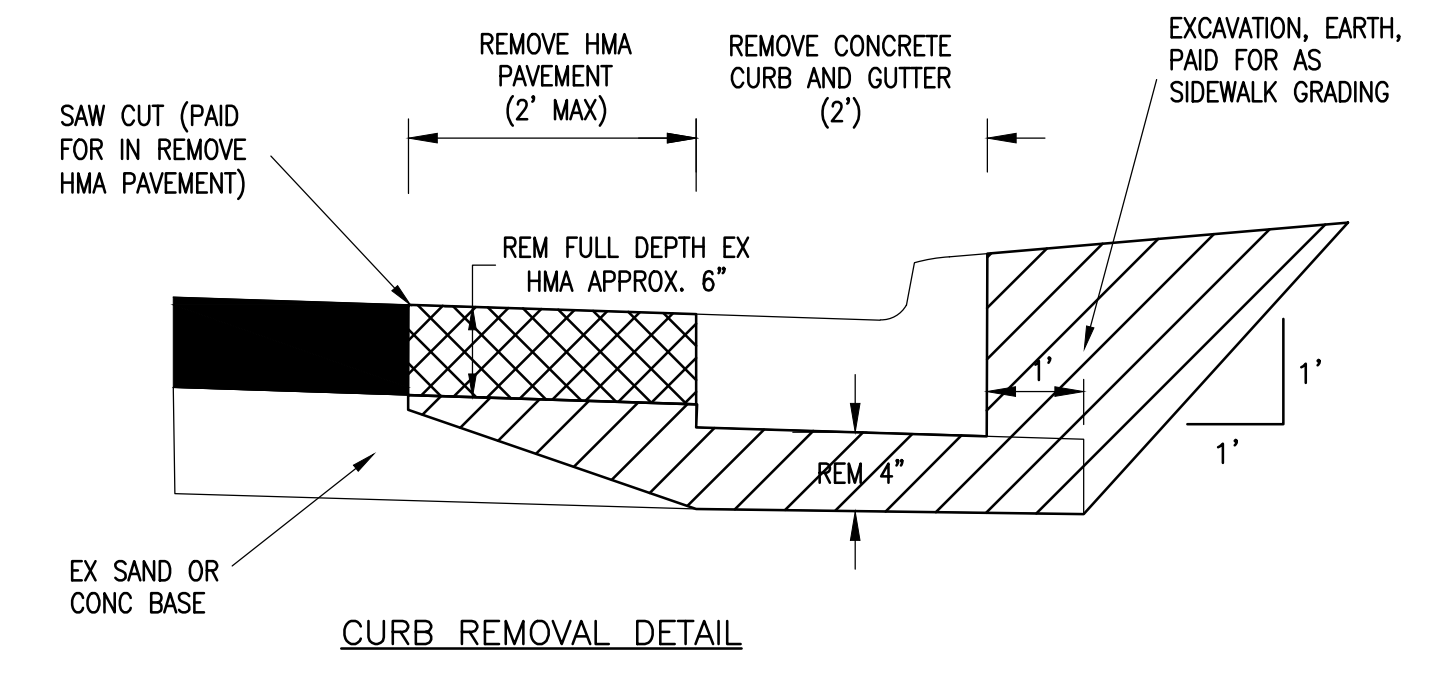


- MAX. 300' SPACING BETWEEN ALL EXPANSION JOINTS. ON CURB AND GUTTER, EXPANSION JOINTS TO BE PLACED IN SIDEWALKS AT THE EXTENSION OF ALL PROPERTY LINES.
- 10' NORMAL, 8' MIN. SPACING BETWEEN ALL CURB CONTRACTION JOINTS.
- SIDEWALK CONTRACTION JOINT SPACING IS 5' MIN. AREA 16 SQ. FT., MAX. AREA 36 SQ. FT.

1/2 INCH SIDEWALK



TYPE 'M' DRIVE APPROACH SD-R-6
PAID FOR AS DRIVEWAY OPENING, CONC, DETAIL M, P-NC



NO.	DESCRIPTION	DATE	REV.

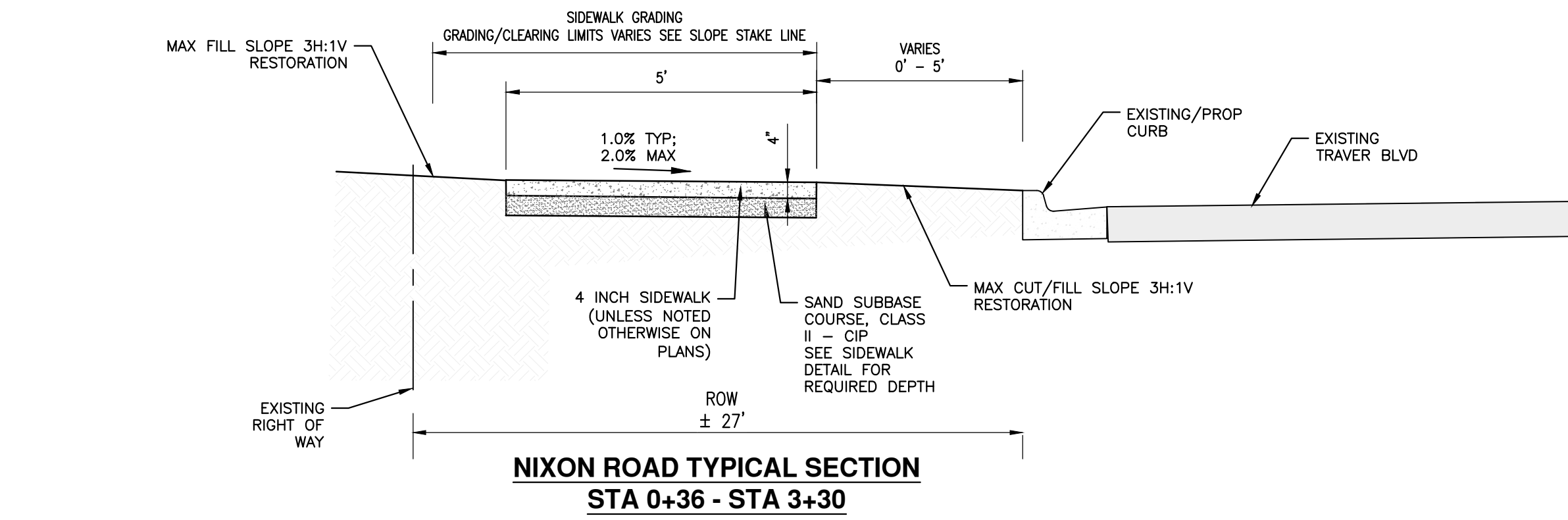
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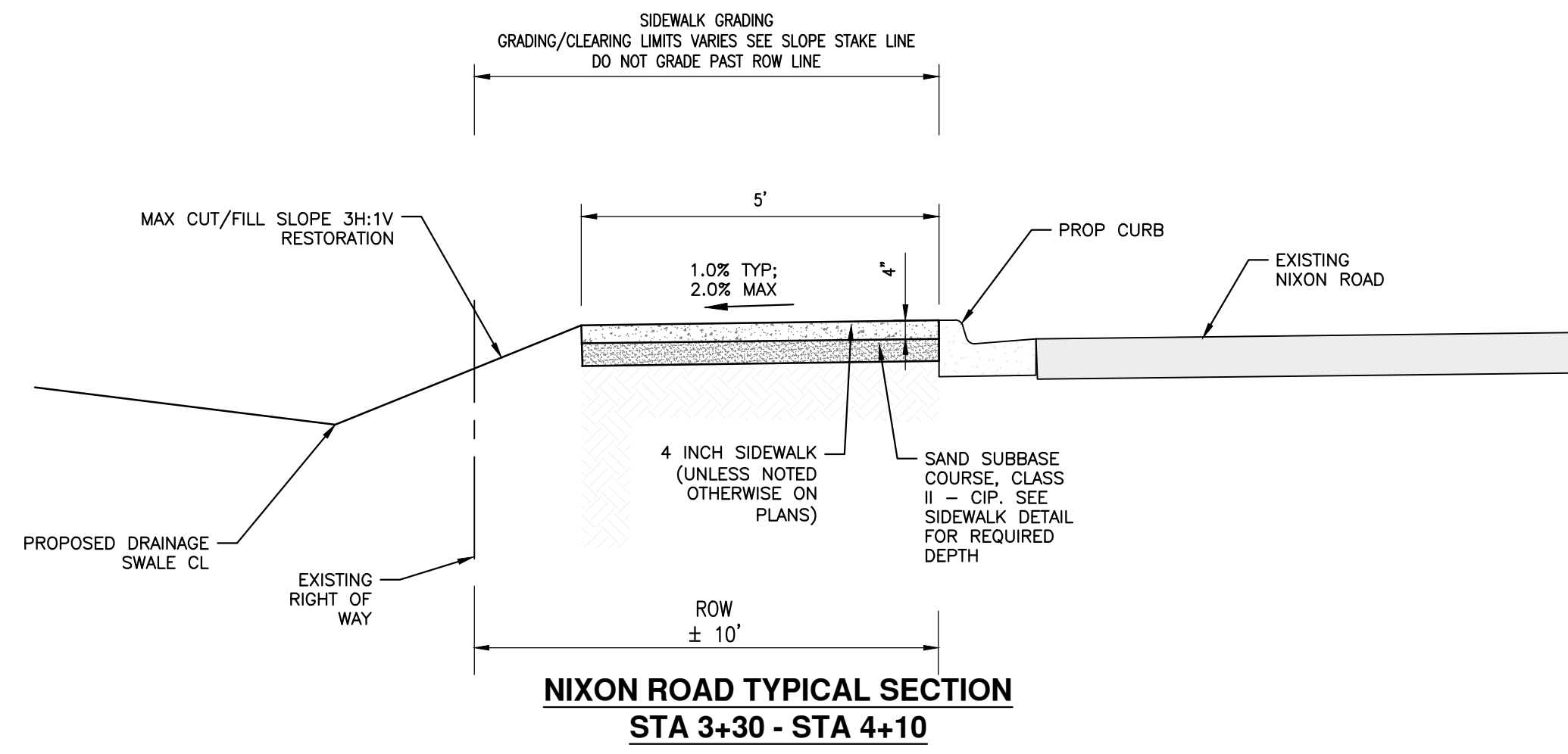
CITY OF ANN ARBOR - ENGINEERING
PUBLIC SERVICES - ENGINEERING
SIDEWALK GAP ELIMINATION - 2022
TRAVER NIXON
DETAILS

SCALE NONE
DRAWING No. 2022007-11
SHEET No.

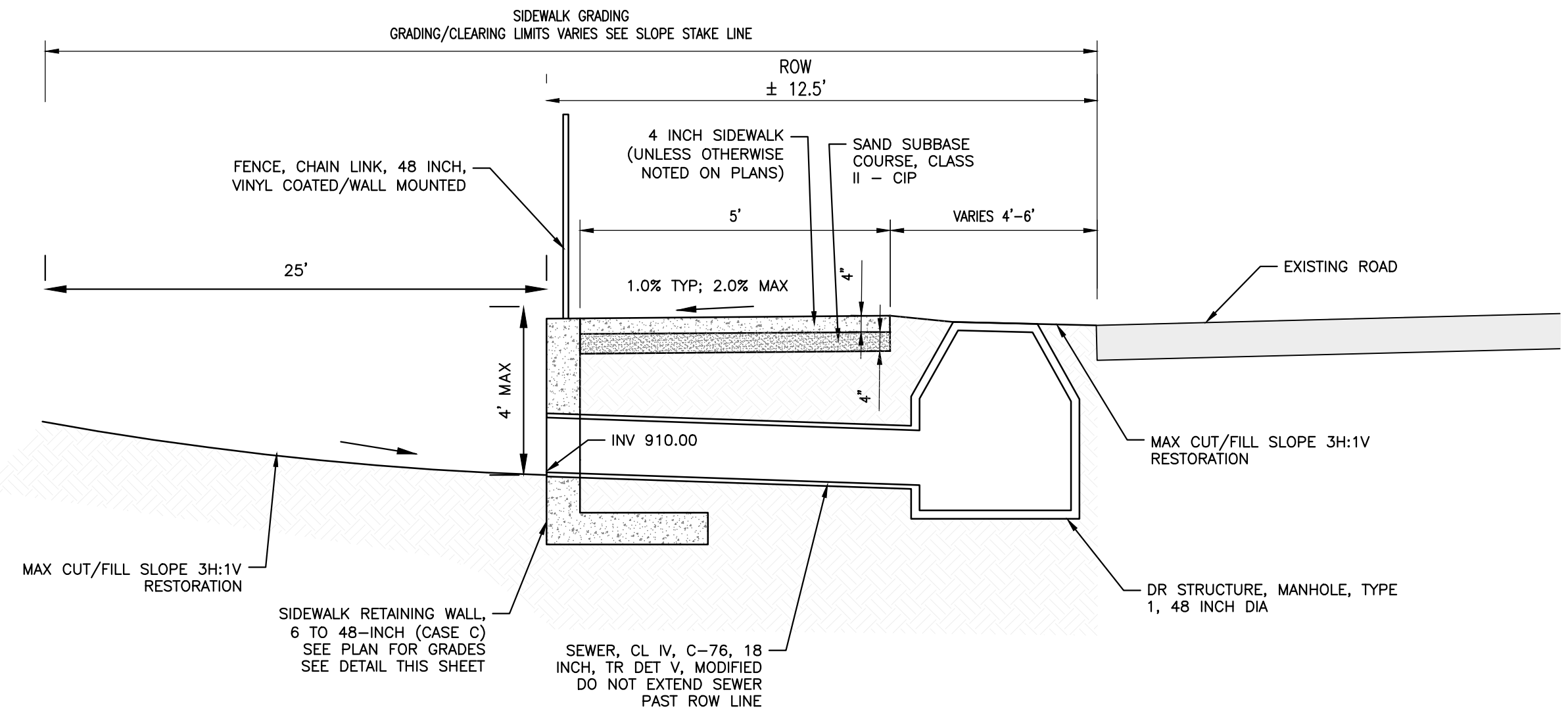
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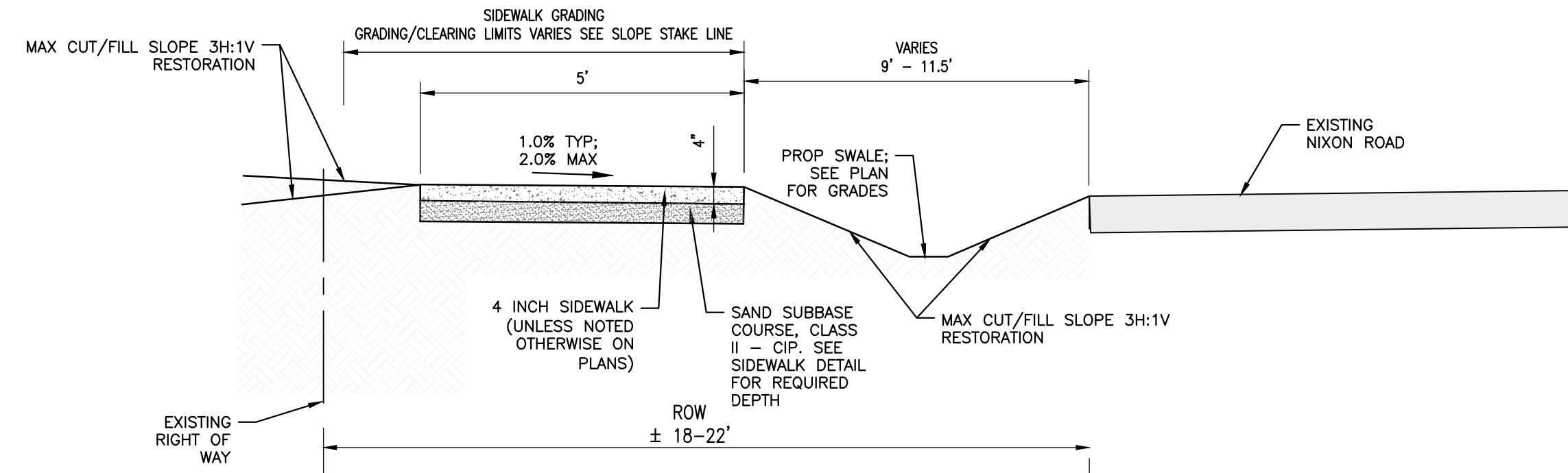
**NIXON ROAD TYPICAL SECTION
STA 0+36 - STA 3+30**



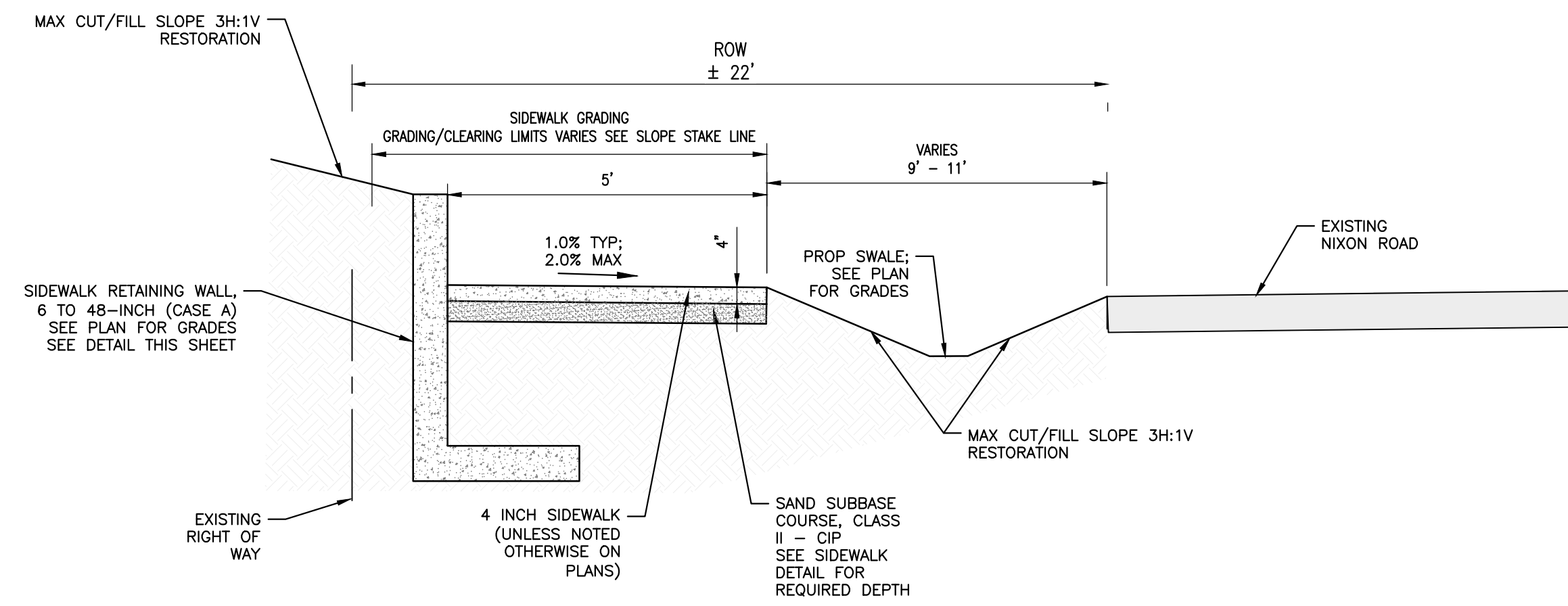
**NIXON ROAD TYPICAL SECTION
STA 3+30 - STA 4+10**



**NIXON ROAD TYPICAL SECTION
STA 4+42 - STA 4+58**



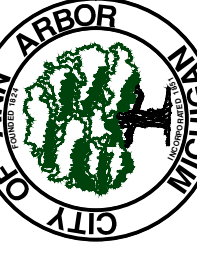
**NIXON ROAD TYPICAL SECTION
STA 4+85 - STA 5+73
STA 7+83 - STA 9+07**



**NIXON ROAD TYPICAL SECTION
STA 6+53 - STA 7+83**



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SIDEWALK GAP ELIMINATION - 2022
TRAVEL NIXON
TYPICAL SECTIONS

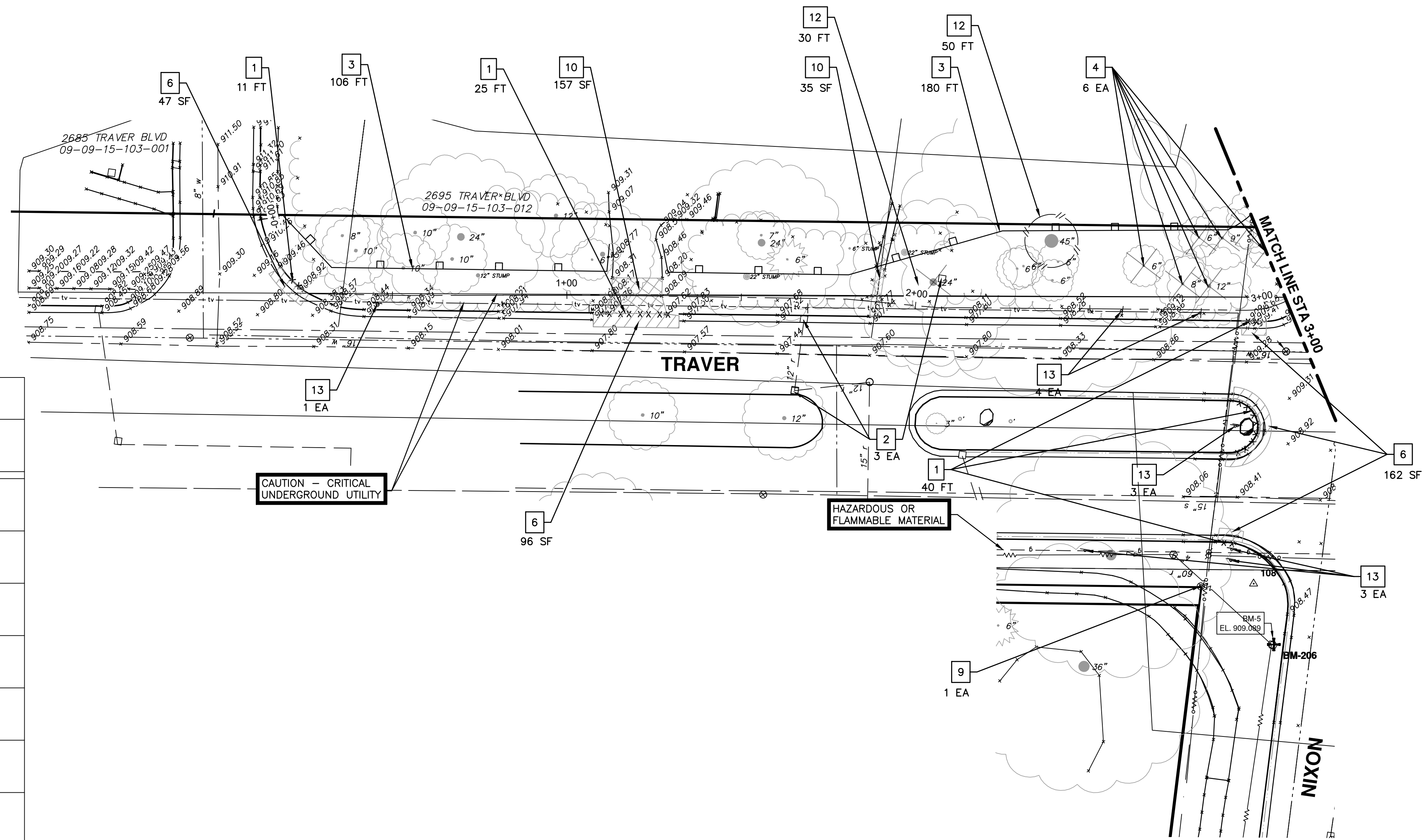
SCALE NONE
DRAWING No. 2022007-12

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	OUT TO BID	3-4-22	KG/DF/CC	TB

REMOVAL KEY	
KEY	DESCRIPTION
1	REMOVE CONCRETE CURB AND GUTTER - ANY TYPE
2	EROSION CONTROL, INLET PROTECTION
3	EROSION CONTROL, SILT FENCE
4	TREE, REM, 6 INCH TO 18 INCH** TREE, REM, 19 INCH TO 36 INCH**
5	DR STRUCTURE, ANY SIZE OR DEPTH, REM
6	REMOVE HMA PAVEMENT
7	CULV, REM, LESS THAN 24-INCH CULV, REM, 24-INCH TO 48-INCH
8	FENCE, REM
9	PROTECT CORNERS
10	REMOVE CONCRETE SIDEWALK OR DRIVE - ANY THICKNESS
11	SEWER, ANY SIZE OR DEPTH, REM
12	TREE PROTECTION
13	SIGN, REM PAID FOR AS PART OF SIDEWALK GRADING

*SAWCUT FULL DEPTH AT REMOVAL LIMITS

**TREE REMOVALS PROVIDED FOR INFORMATION ONLY. ALL TREE REMOVALS WILL BE PERFORMED PRIOR TO MARCH 31ST, NOT AS A PART OF THIS PROJECT, BY THE CITY OF ANN ARBOR. CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING STUMPS.



LEGEND	
	REMOVE HMA PAVEMENT
	REMOVE CONCRETE DRIVE
	REMOVE CONCRETE SIDEWALK
	CURB AND GUTTER, REM
	TREE PROTECTION
	TREE, REM
	SILT FENCE

811
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3-4-22 DATE
KG/JF/CC DRAWN
TB CHECKED

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DESCRIPTION
OUT TO BID
REV.

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SCALE PLAN: 1" = 20'

TRAVER NIXON
REMOVALS STA. 0+00 - STA. 3+00

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
DRAWING No. 2022007-13

REMOVALS STA. 0+00 - STA. 3+00

SHEET No.

13 OF 24

R:\2022007_2022+ SW Gap Projects\CRP-PLTS-Removal-Traver-Nixon.dwg Dwg Created: 2-Mar-22 - _a2 standard bw.stb - Plot Date: 4-Mar-22

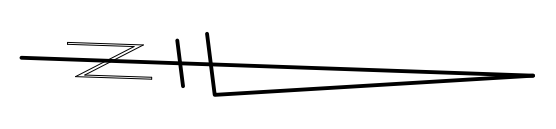
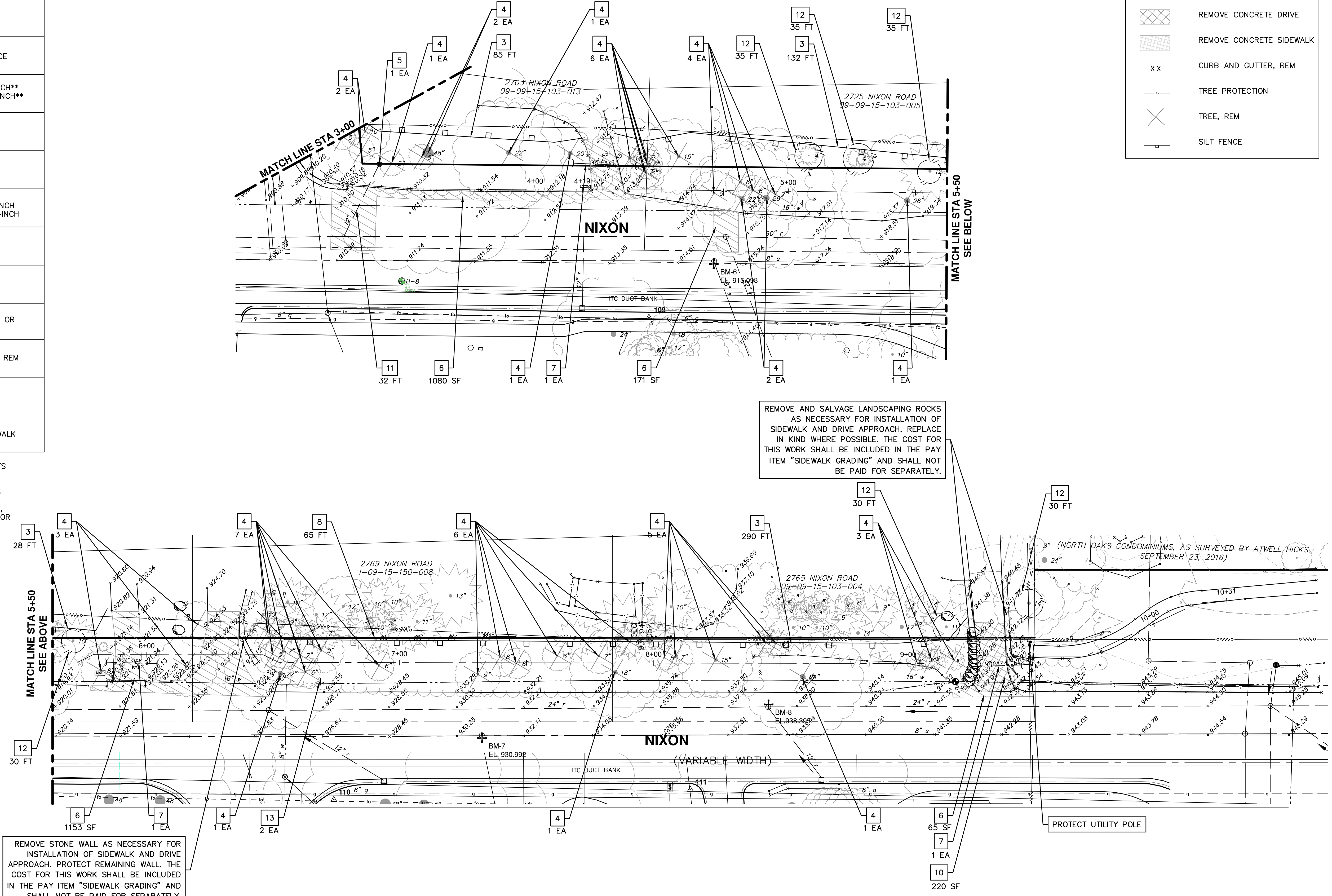
REMOVAL KEY	
KEY	DESCRIPTION
1	REMOVE CONCRETE CURB AND GUTTER - ANY TYPE
2	EROSION CONTROL, INLET PROTECTION
3	EROSION CONTROL, SILT FENCE
4	TREE, REM, 6 INCH TO 18 INCH** TREE, REM, 19 INCH TO 36 INCH**
5	DR STRUCTURE, ANY SIZE OR DEPTH, REM
6	REMOVE HMA PAVEMENT
7	CULV, REM, LESS THAN 24-INCH CULV, REM, 24-INCH TO 48-INCH
8	FENCE, REM
9	PROTECT CORNERS
10	REMOVE CONCRETE SIDEWALK OR DRIVE - ANY THICKNESS
11	SEWER, ANY SIZE OR DEPTH, REM
12	TREE PROTECTION
13	SIGN, REM PAID FOR AS PART OF SIDEWALK GRADING

*SAWCUT FULL DEPTH AT REMOVAL LIMITS

**TREE REMOVALS PROVIDED FOR INFORMATION ONLY. ALL TREE REMOVALS WILL BE PERFORMED PRIOR TO MARCH 31ST, NOT AS A PART OF THIS PROJECT, BY THE CITY OF ANN ARBOR. CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING STUMPS.

REMOVE STONE WALL AS NECESSARY FOR INSTALLATION OF SIDEWALK AND DRIVE APPROACH. PROTECT REMAINING WALL. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "SIDEWALK GRADING" AND SHALL NOT BE PAID FOR SEPARATELY.

REMOVE AND SALVAGE LANDSCAPING ROCKS AS NECESSARY FOR INSTALLATION OF SIDEWALK AND DRIVE APPROACH. REPLACE IN KIND WHERE POSSIBLE. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "SIDEWALK GRADING" AND SHALL NOT BE PAID FOR SEPARATELY.



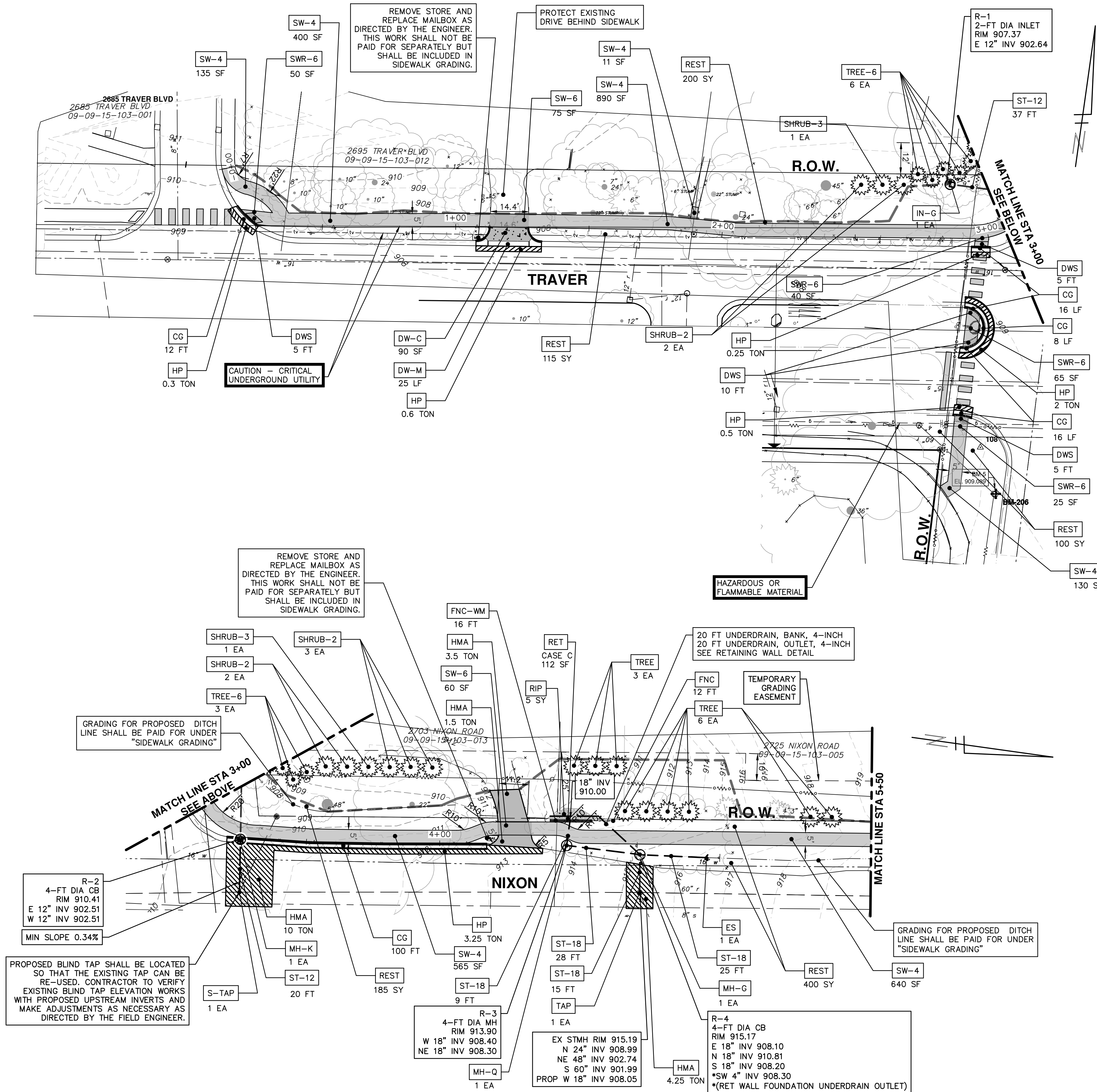
REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	OUT TO BID	3-4-22	KG/DF/CC	TB

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SIDEWALK GAP ELIMINATION - 2022
TRAVER NIXON
REMOVALS STA. 3+00 - STA. 9+37
SCALE PLAN: 1" = 20'
DRAWING No. 2022007-14

R:\2022007_2022+ SW Gap Projects\20 TRAVER BLVD & NIXON ROAD SIDEWALK.dwg Dwg Created: 4-Mar-22 - _c02_standard bw.stb - Plot Date: 4-Mar-22



CONSTRUCTION KEY	
KEY	DESCRIPTION
RET	SIDEWALK RETAINING WALL, 6 INCH TO 48 INCH
SW-4	4 INCH SIDEWALK OR RAMP
SW-6	6 INCH DRIVE APPROACH, RAMP, OR SIDEWALK - HIGH EARLY
SWR-6	6 INCH DRIVE APPROACH, RAMP, OR SIDEWALK
CG	CURB AND GUTTER, CONC, AA DET SD-R-1, MODIFIED
DWS	DETECTABLE WARNING, CAST IN PLACE
DW-M	DRIVEWAY OPENING, CONC, DETAIL M, P-NC
HMA	HMA APPROACH
DW-C	6 INCH DRIVE APPROACH, RAMP, OR SIDEWALK - HIGH EARLY
HP	HAND PATCHING
CUL12	CULV, CL F, 12 INCH
MH-K	DR STRUCTURE, MANHOLE, TYPE 1, 48 INCH DIA STRUCTURE COVER TYPE K
IN-G	DR STRUCTURE, SINGLE INLET STRUCTURE COVER TYPE G
MH-G	DR STRUCTURE, MANHOLE, TYPE 1, 48 INCH DIA STRUCTURE COVER TYPE G
MH-Q	DR STRUCTURE, MANHOLE, TYPE 1, 48 INCH DIA DR STRUCTURE COVER TYPE Q
ST-12	SEWER, CL IV, C-76, 12 INCH, TR DET I, MODIFIED SEWER CL IV, C-76, 12 INCH, TR DET V, MODIFIED
ST-18	SEWER, CL IV, C-76, 18 INCH, TR DET I, MODIFIED SEWER CL IV, C-76, 18 INCH, TR DET V, MODIFIED
TAP	DR STRUCTURE, TAP, 12 INCH
ES	CULV END SECT, 12 INCH CULV END SECT, 18 INCH
S-TAP	SEWER TAP, 12-INCH
TREE	JUNIPERUS VIRGINIANA, 6 FOOT
SHRUB-2	ILEX X MESERVEAE MESOG, 3 GAL CONT
SHRUB-3	ILEX X MESERVEAE MESDOB, 3 GAL CONT
FNC	FENCE, CHAIN LINK, 48-INCH, VINYL-COATED
FNC-WM	FENCE, CHAIN LINK, 48-INCH, WALL MOUNTED
REST	RESTORATION
RIP	RIPRAP, PLAIN
TREE-6	JUNIPERUS CHINENSIS 'HETZ COLUMNAR' 6 FOOT

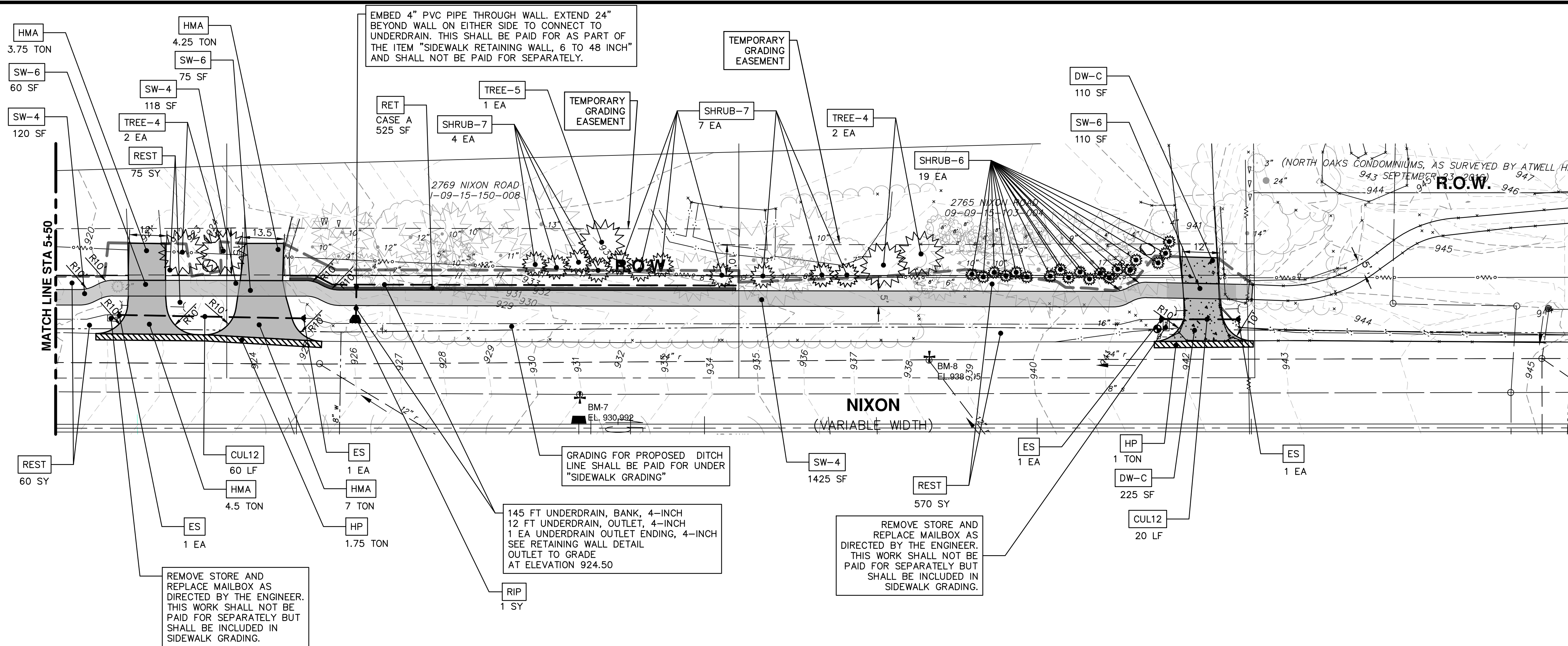
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SIDEWALK GAP ELIMINATION - 2022
TRAVER NIXON
PROPOSED SIDEWALK STA. 0+00 - STA. 5+50

SCALE PLAN: 1" = 20'
DRAWING NO. 2022007-15
SHEET No. 15 OF 24

R:\2022007_2022+ SW Gap Projects\20 TRAVER BLVD & NIXON ROAD SIDEWALK.dwg Dwg Created: 4-Mar-22 - Plot Date: 4-Mar-22



CONSTRUCTION KEY	
KEY	DESCRIPTION
RET	SIDEWALK RETAINING WALL, 6 TO 48 INCH
SW-4	4 INCH SIDEWALK OR RAMP
SW-6	6 INCH DRIVE APPROACH, RAMP, OR SIDEWALK - HIGH EARLY
SWR-6	6 INCH DRIVE APPROACH, RAMP, OR SIDEWALK
CG	CURB AND GUTTER, CONC, AA DET SD-R-1, MODIFIED
DWS	DETECTABLE WARNING, CAST IN PLACE
DW-M	DRIVEWAY OPENING, CONC, DETAIL M, P-NC
HMA	HMA APPROACH
DW-C	6 INCH DRIVE APPROACH, RAMP, OR SIDEWALK - HIGH EARLY
HP	HAND PATCHING
CUL12	CULV, CL F, 12 INCH
MH-K	DR STRUCTURE, MANHOLE, TYPE 1, 48 INCH DIA STRUCTURE COVER TYPE K
IN-G	DR STRUCTURE, SINGLE INLET STRUCTURE COVER TYPE G
MH-G	DR STRUCTURE, MANHOLE, TYPE 1, 48 INCH DIA STRUCTURE COVER TYPE G
MH-Q	DR STRUCTURE, MANHOLE, TYPE 1, 48 INCH DIA STRUCTURE COVER TYPE Q
ST-12	SEWER, CL IV, C-76, 12 INCH, TR DET I, MODIFIED SEWER CL IV, C-76, 12 INCH, TR DET V, MODIFIED
ST-18	SEWER, CL IV, C-76, 18 INCH, TR DET I, MODIFIED SEWER CL IV, C-76, 18 INCH, TR DET V, MODIFIED
TAP	DR STRUCTURE, TAP, 12 INCH
ES	CULV END SECT, 12 INCH CULV END SECT, 18 INCH
S-TAP	SEWER TAP, 12-INCH
TREE-4	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE,' 6 FOOT
TREE-5	CORNUS ALTERNIFOLIA, 6 FOOT
SHRUB-6	FOTHERGILLA GARDENII, 3 GAL CONT
SHRUB-7	VIBURNUM P. TOMENTOSUM, 5 GAL CONT
FNC	FENCE, CHAIN LINK, 48-INCH, VINYL-COATED
FNC-WM	FENCE, CHAIN LINK, 48-INCH, WALL MOUNTED
REST	RESTORATION
RIP	"RIPRAP, HEAVY, MODIFIED"

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Call before you dig.

REV. DATE DESCRIPTION

00	CUT TO BID	
3-4-22	DATE	
KG/JF/CC	DRAWN	
TB	CHECKED	

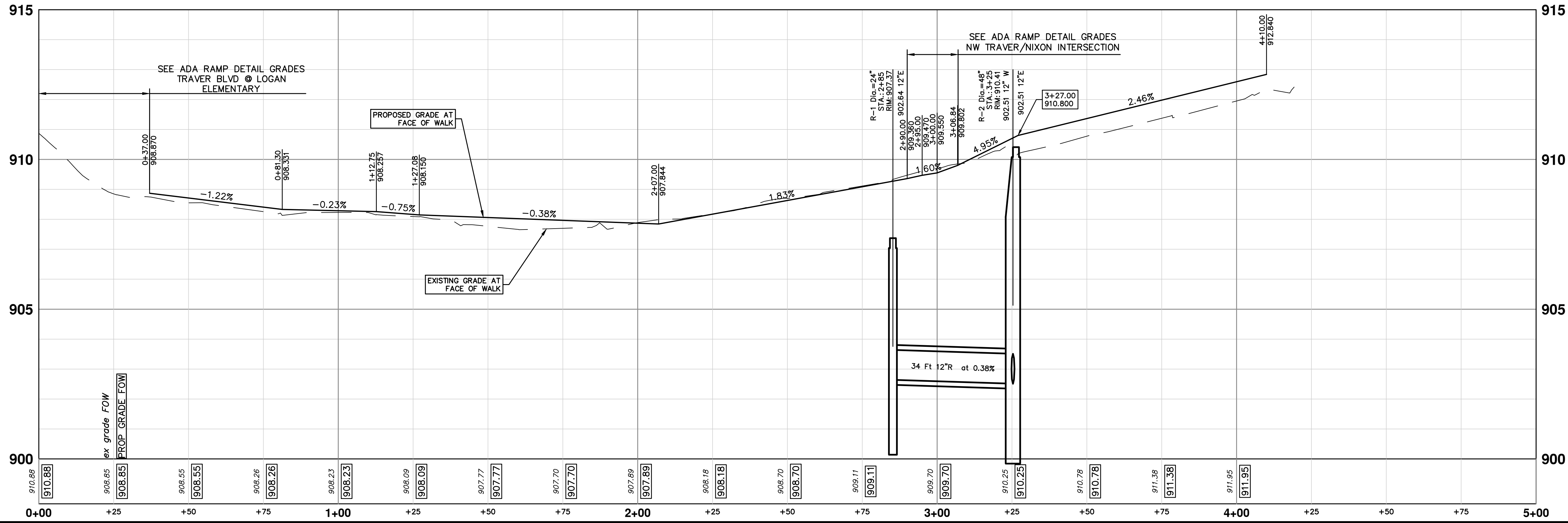
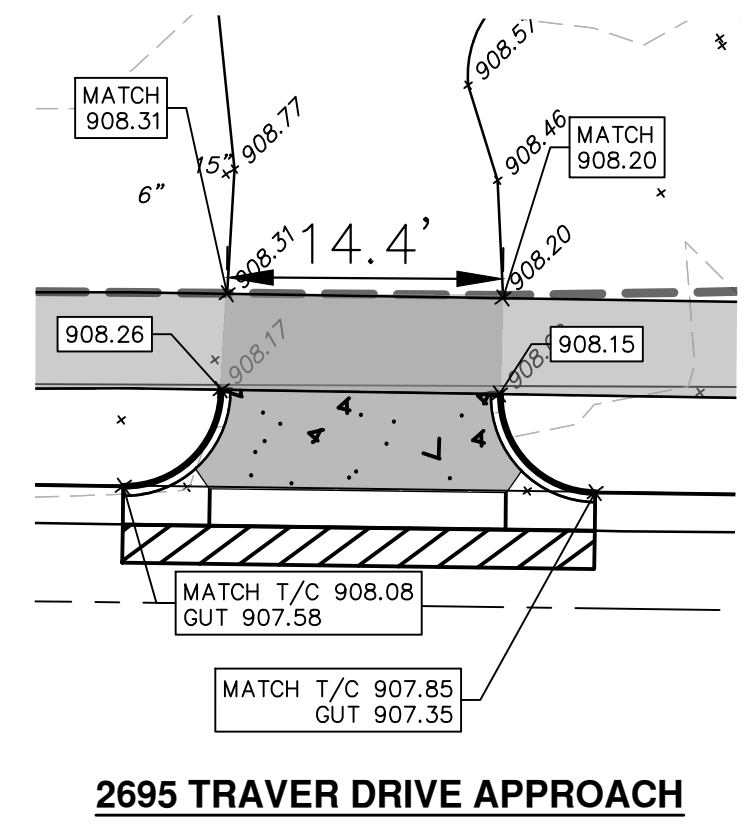
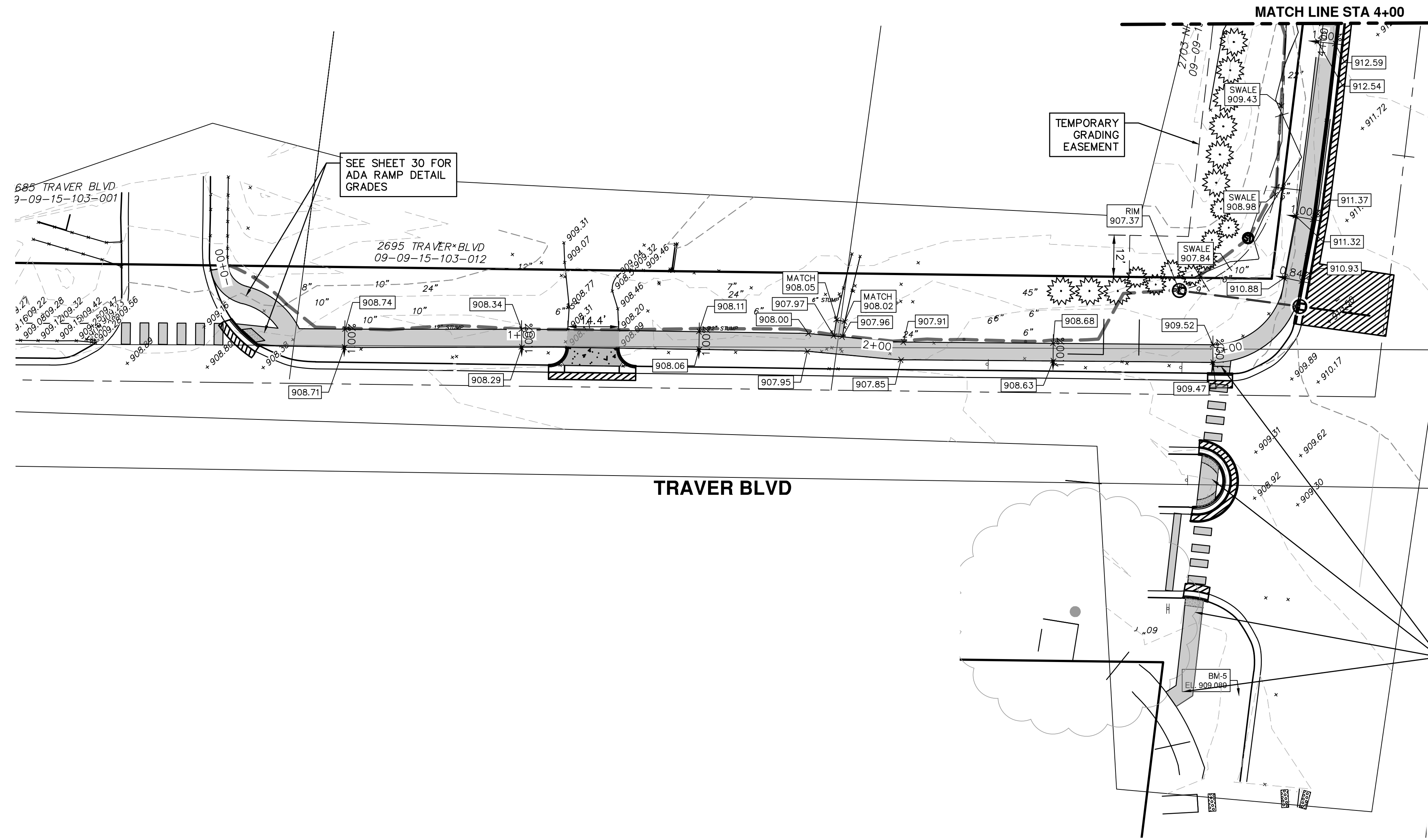
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CITY OF ANN ARBOR - ENGINEERING
SIDEWALK GAP ELIMINATION - 2022
TRAVER NIXON
PROPOSED SIDEWALK STA. 5+50 - STA. 9+37

SCALE PLAN: 1" = 20'

DRAWING No. 2022007-16
SHEET No. 16 OF 24

R:\2022007_2022+ SW Gap Projects\COP-PLTS-Traver-Nixon Detail Grades.dwg Dwg Created: 2-Mar-22 - _a2_standard.bw.stb - Plot Date: 4-Mar-22



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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	OUT TO BID	3-4-22	KG/JF/CC	TB

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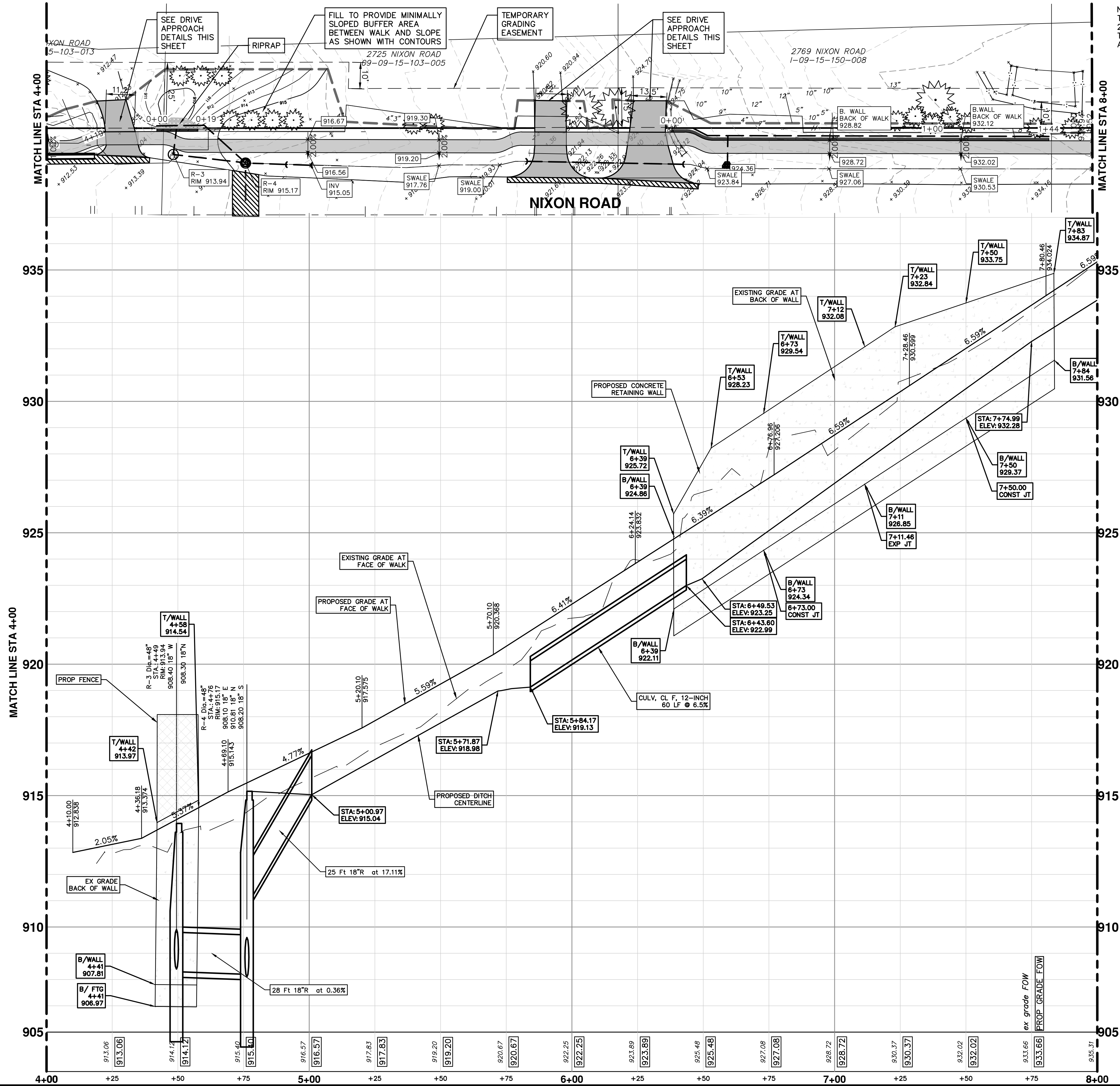
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SIDEWALK GAP ELIMINATION - 2022
TRAVER NIXON
DETAILED GRADES TRAVER BLVD. STA. 0+00 - STA. 4+00

SCALE PLAN: 1" = 20'
PROFILE: 1" = 2'

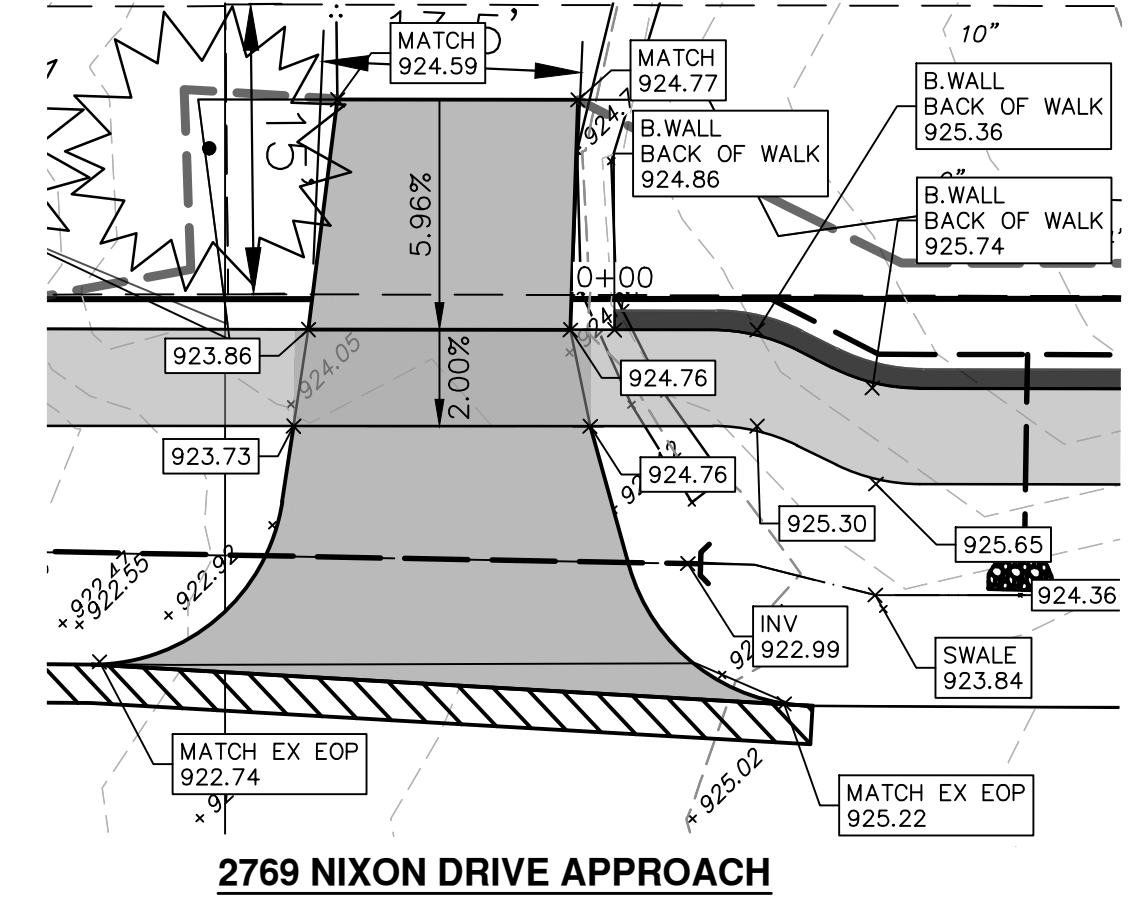
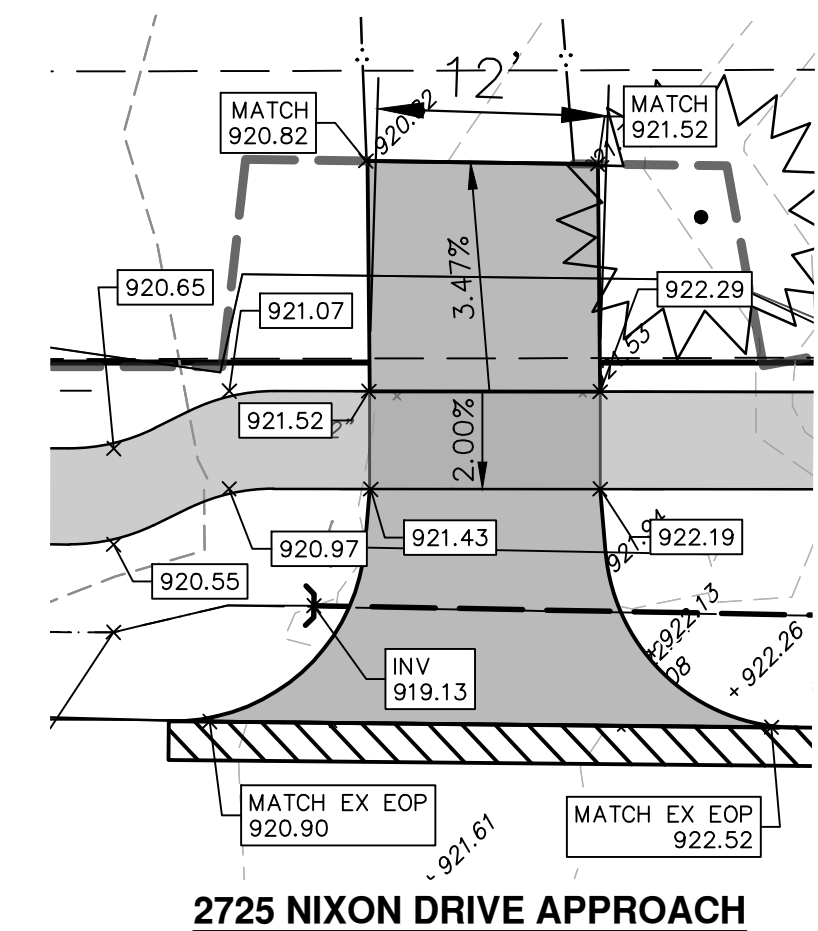
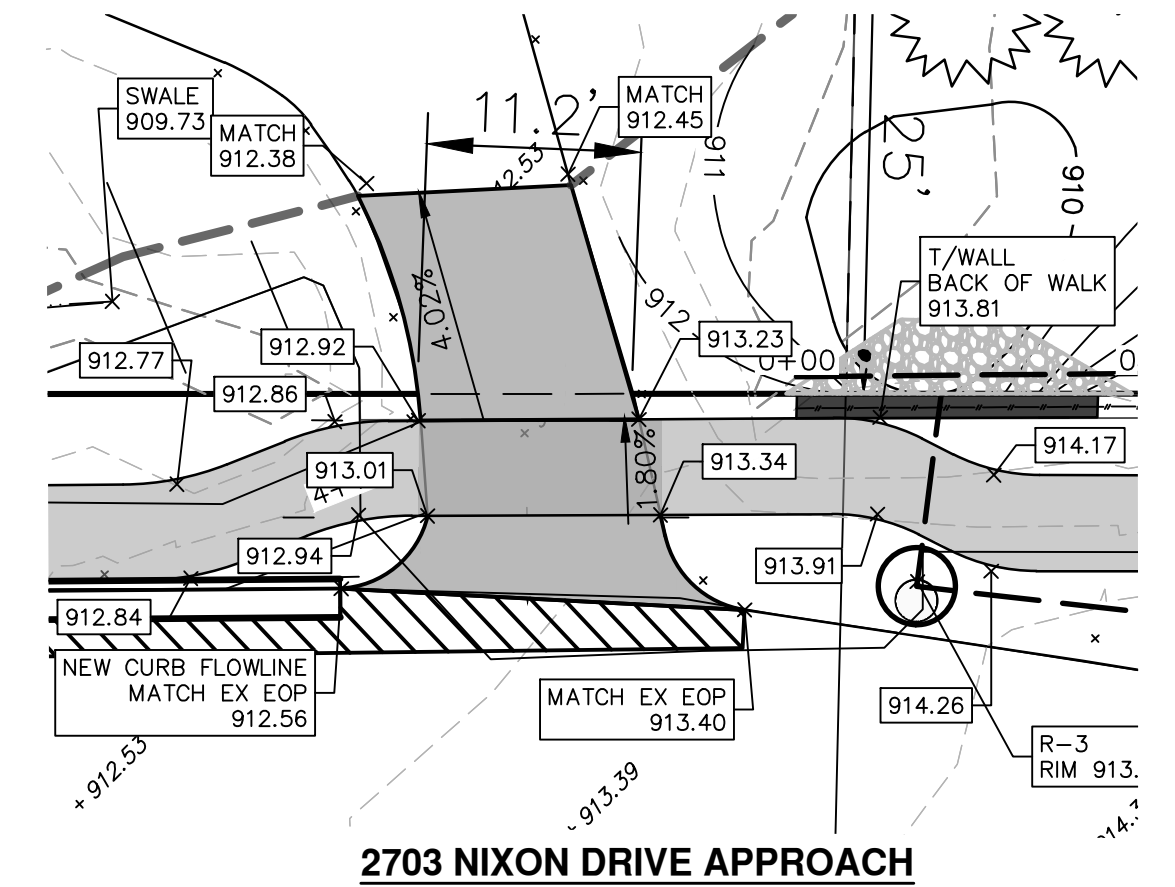
DRAWING No. 2022007-17

SHEET No. 17 OF 24

R:\2022007_2022+ SW Gap Projects\CGP-PLTS-Traver-Nixon Detail Grades.dwg Created: 2-Mar-22 - _o2_standard.bw.stb - Plot Date: 4-Mar-22



NOTE: IF THE CONSTRUCTED SIDEWALK IS FOUND TO EXCEED THE MAXIMUM TRANSVERSE SLOPE OF 2% OR LONGITUDINAL SLOPE AT RAMPS OF 8.3%, THE SIDEWALK SHALL BE REMOVED AND REPLACED AT THE EXPENSE OF THE CONTRACTOR.



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SIDEWALK GAP ELIMINATION - 2022
TRAVER NIXON
DETAILED GRADES NIXON RD STA. 4+00 - STA. 8+00

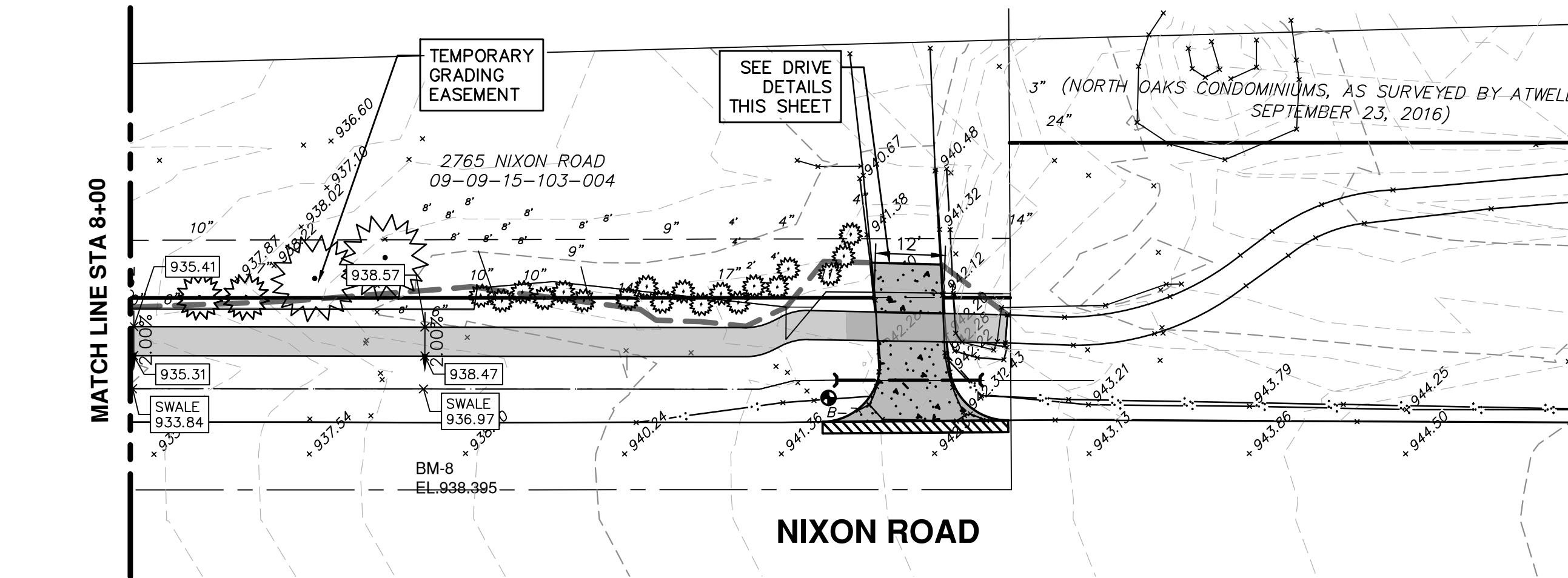
SCALE PLAN: 1" = 20'
 PROFILE: 1" = 2'

SHEET No. 18 OF 24

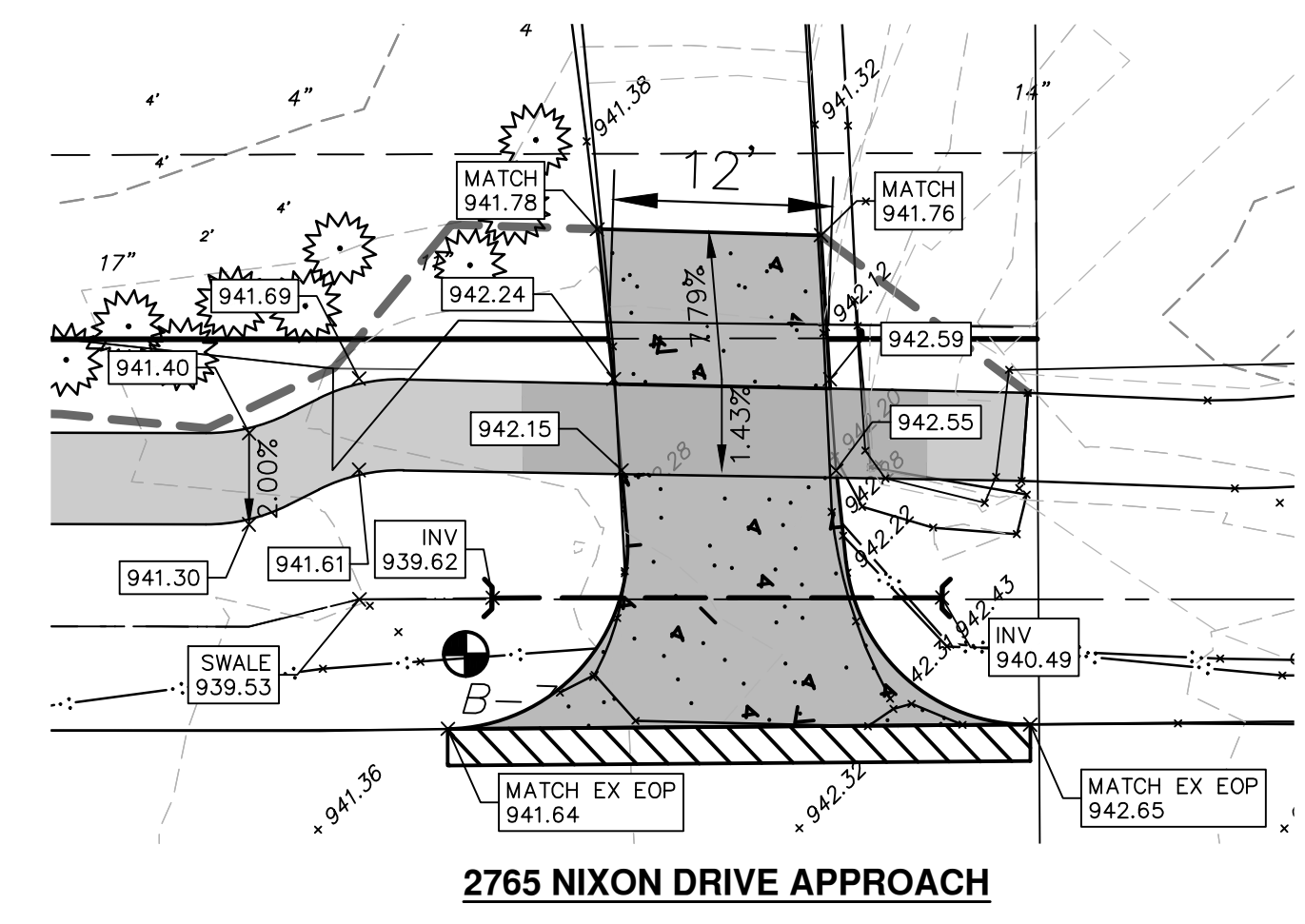
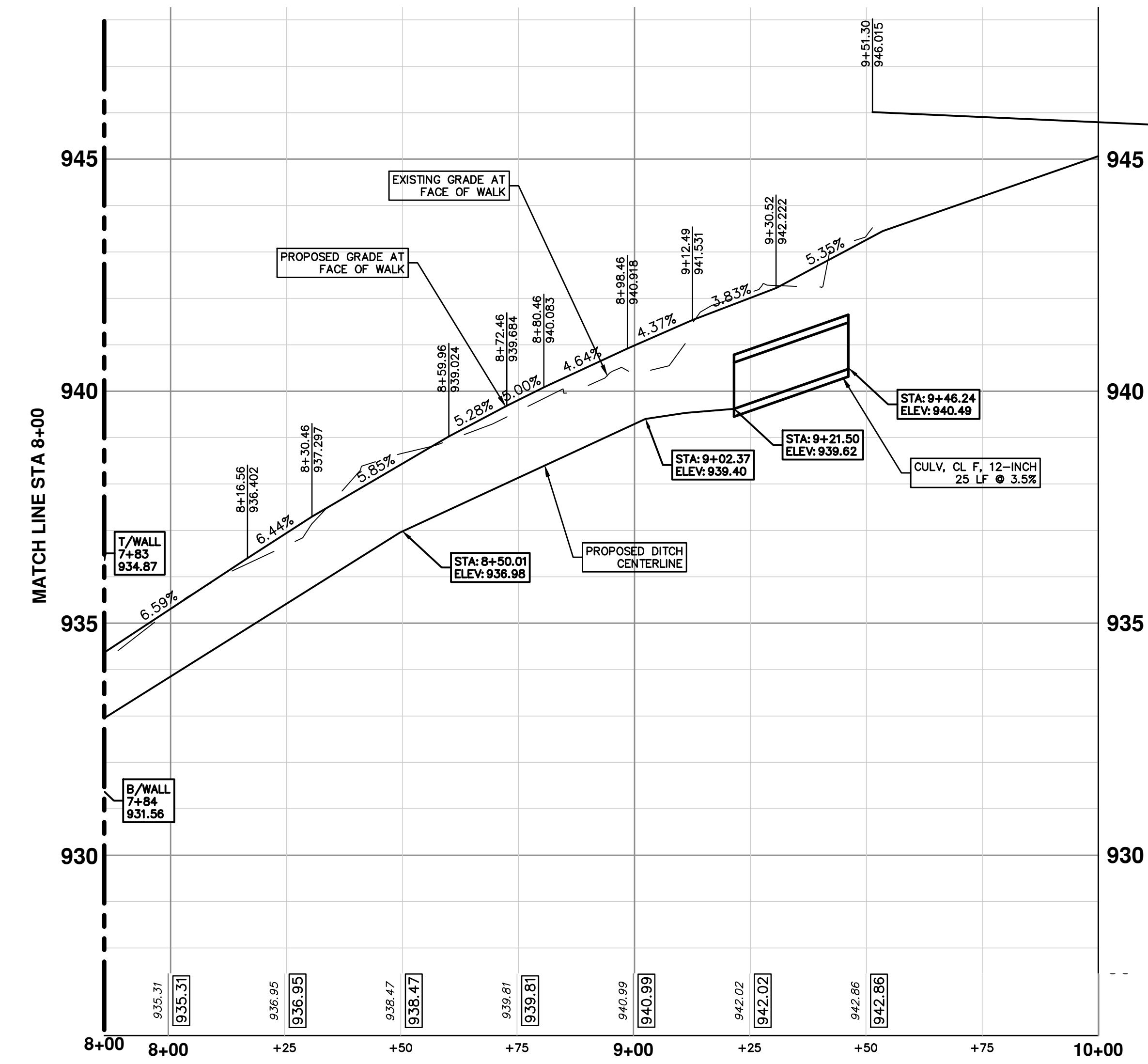
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		DRAWN
		CHECKED

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R:\2022007_2022+ SW Gap Projects\CGP-PLT-Traver-Nixon Detail Grades.dwg Dwg Created: 2-Mar-22 - _a2_standard.bw.stb - Plot Date: 4-Mar-22



NOTE: IF THE CONSTRUCTED SIDEWALK IS FOUND TO EXCEED THE MAXIMUM TRANSVERSE SLOPE OF 2% OR LONGITUDINAL SLOPE AT RAMP OF 8.3%, THE SIDEWALK SHALL BE REMOVED AND REPLACED AT THE EXPENSE OF THE CONTRACTOR.



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 20'

PROFILE: 1" = 2'

DRAWING No. 2022007-19

SHEET No. 19 OF 24

SIDEWALK GAP ELIMINATION - 2022

TRAVER NIXON

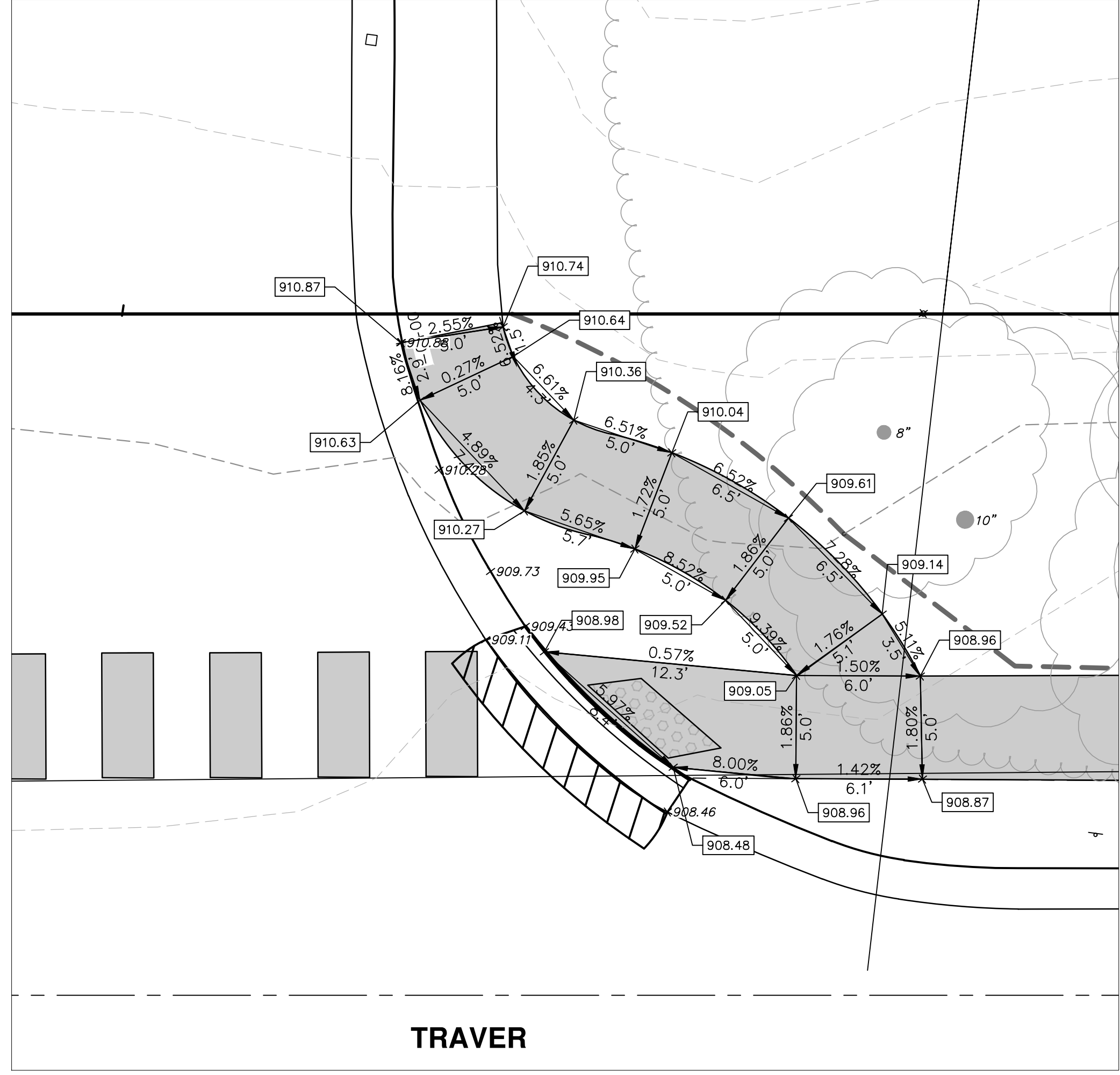
DETAILED GRADES NIXON RD. STA. 8+00 - P.O.E.

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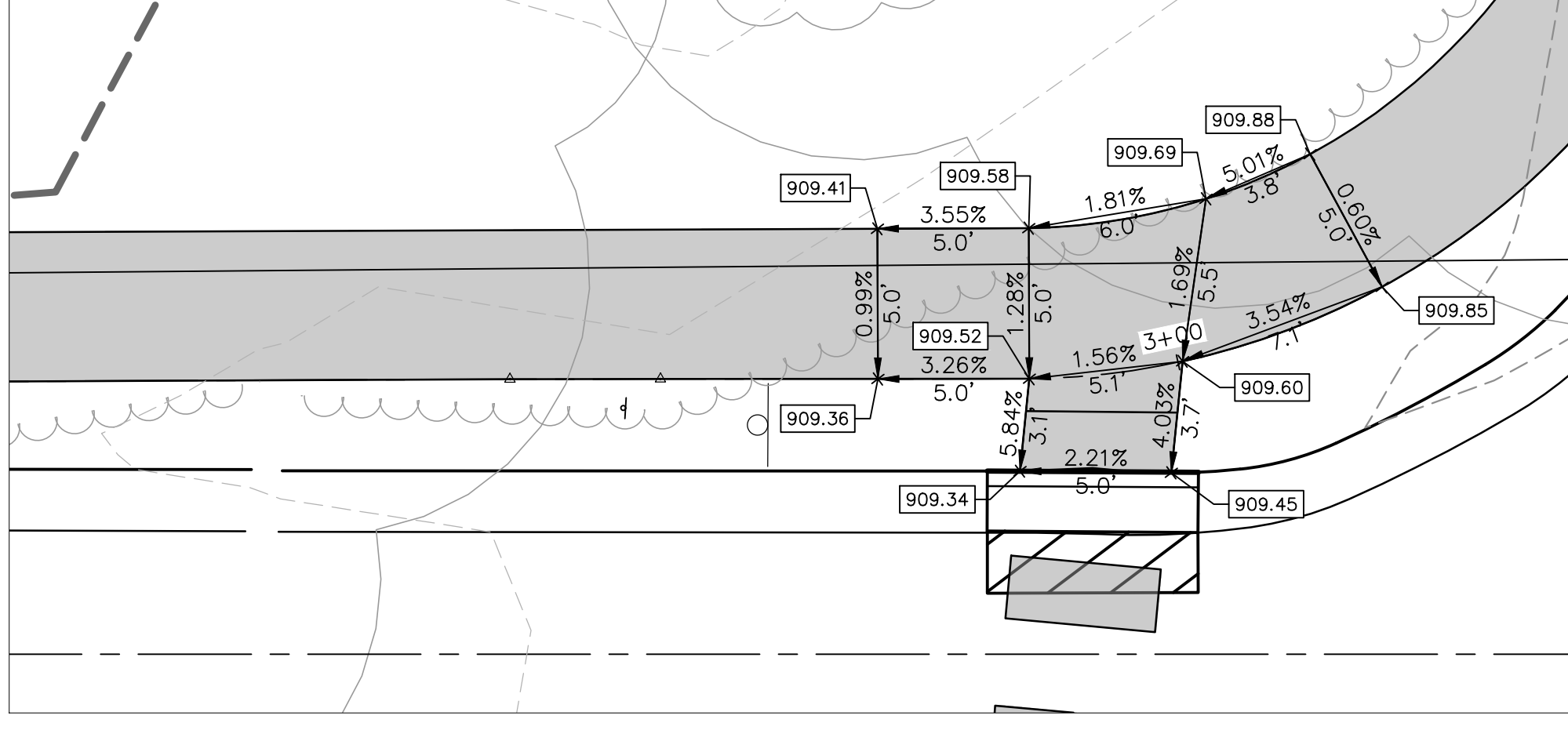
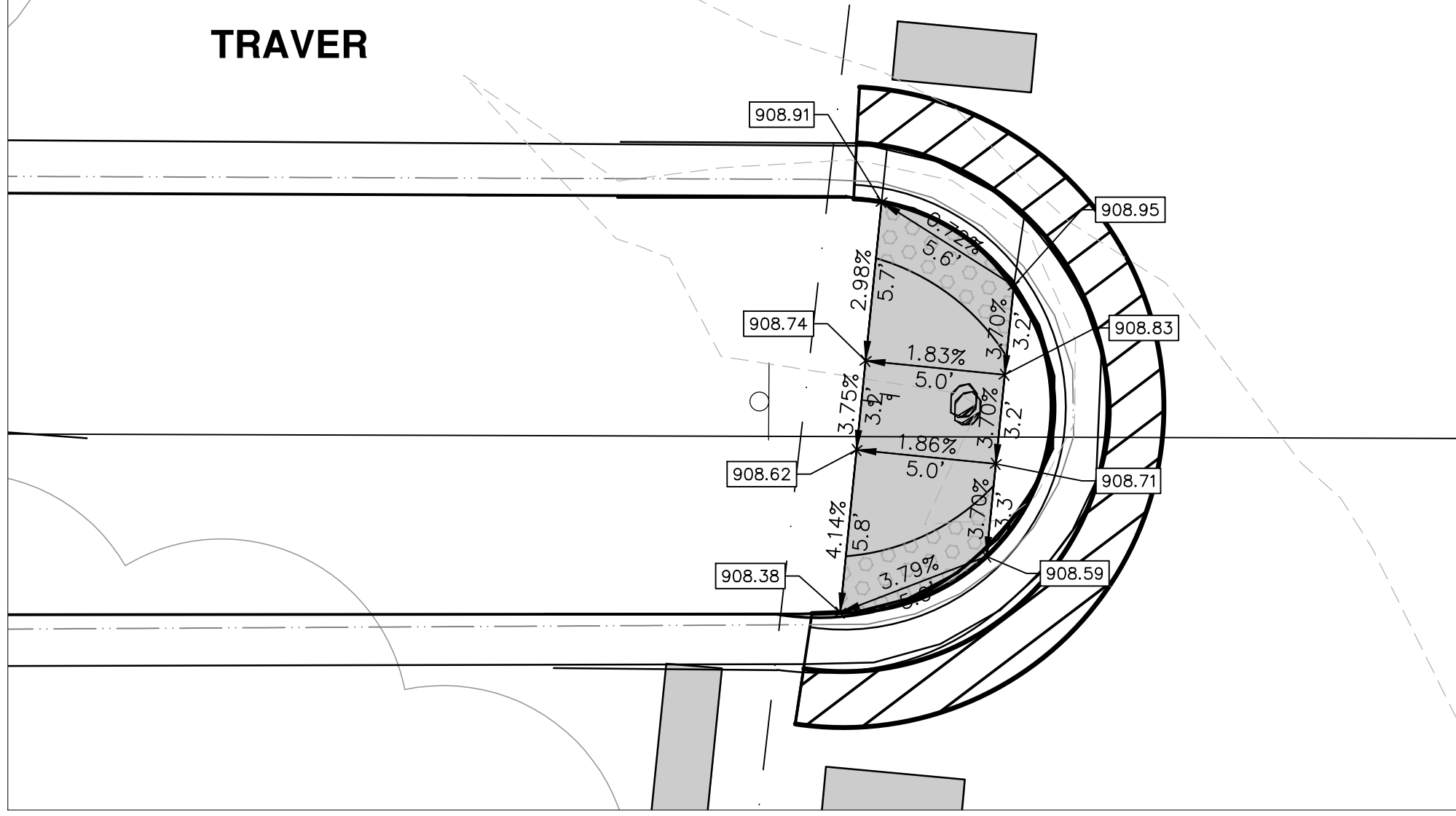
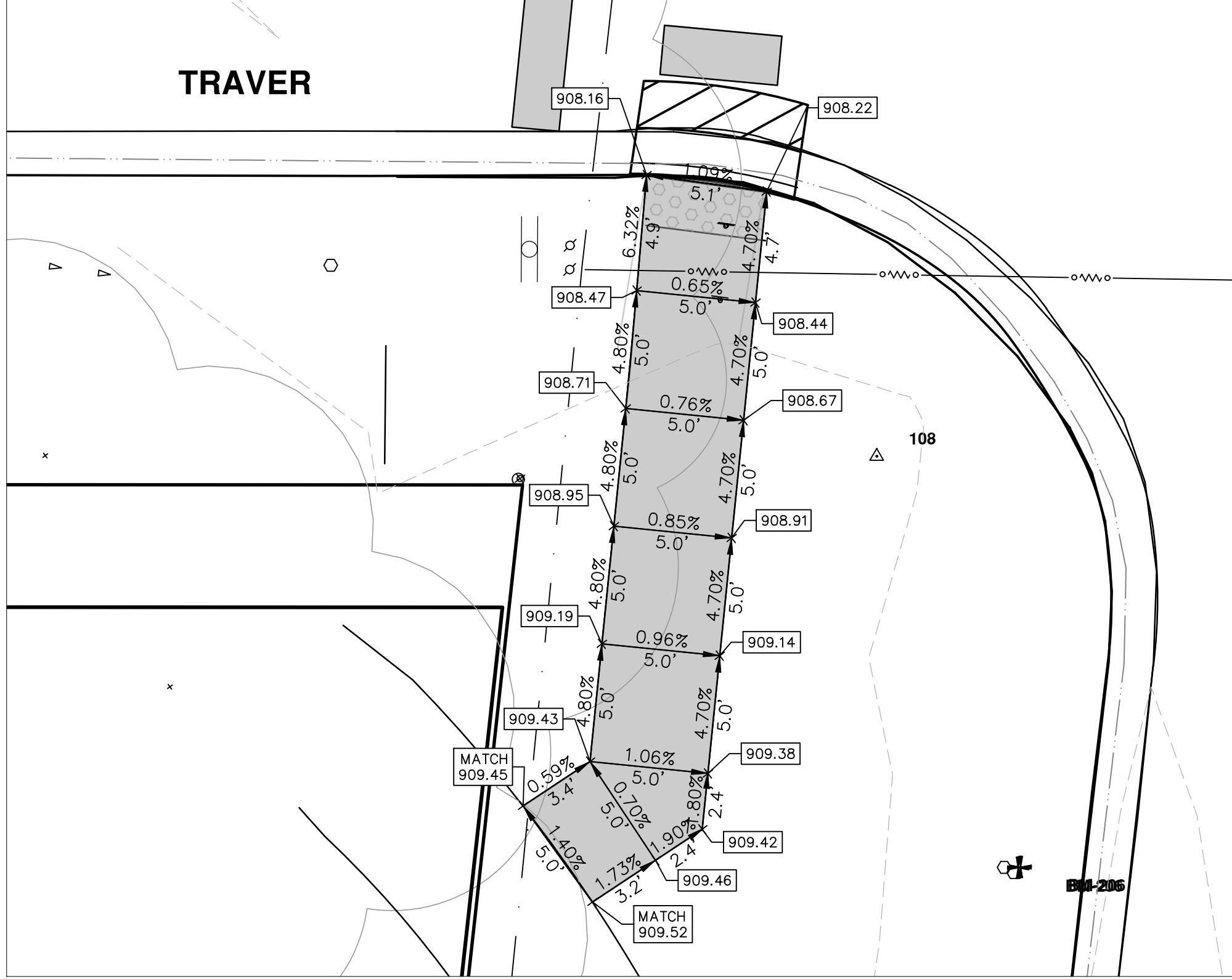
REV.	DATE	DESCRIPTION
00	3-4-22	OUT TO BID
		KG/DF/CC
		TB
		CHECKED

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R:\2022007_2022+ SW Gap Projects\CSP-PLTS-ADA-Traver-Nixon.dwg Dwg Created: 2-Mar-22 - _o2_standard bw.stb - Plot Date: 4-Mar-22



NOTE: IF THE CONSTRUCTED SIDEWALK IS FOUND TO EXCEED THE MAXIMUM TRANSVERSE SLOPE OF 2% OR LONGITUDINAL SLOPE AT RAMPS OF 8.3% THE SIDEWALK SHALL BE REMOVED AND REPLACED AT THE EXPENSE OF THE CONTRACTOR.



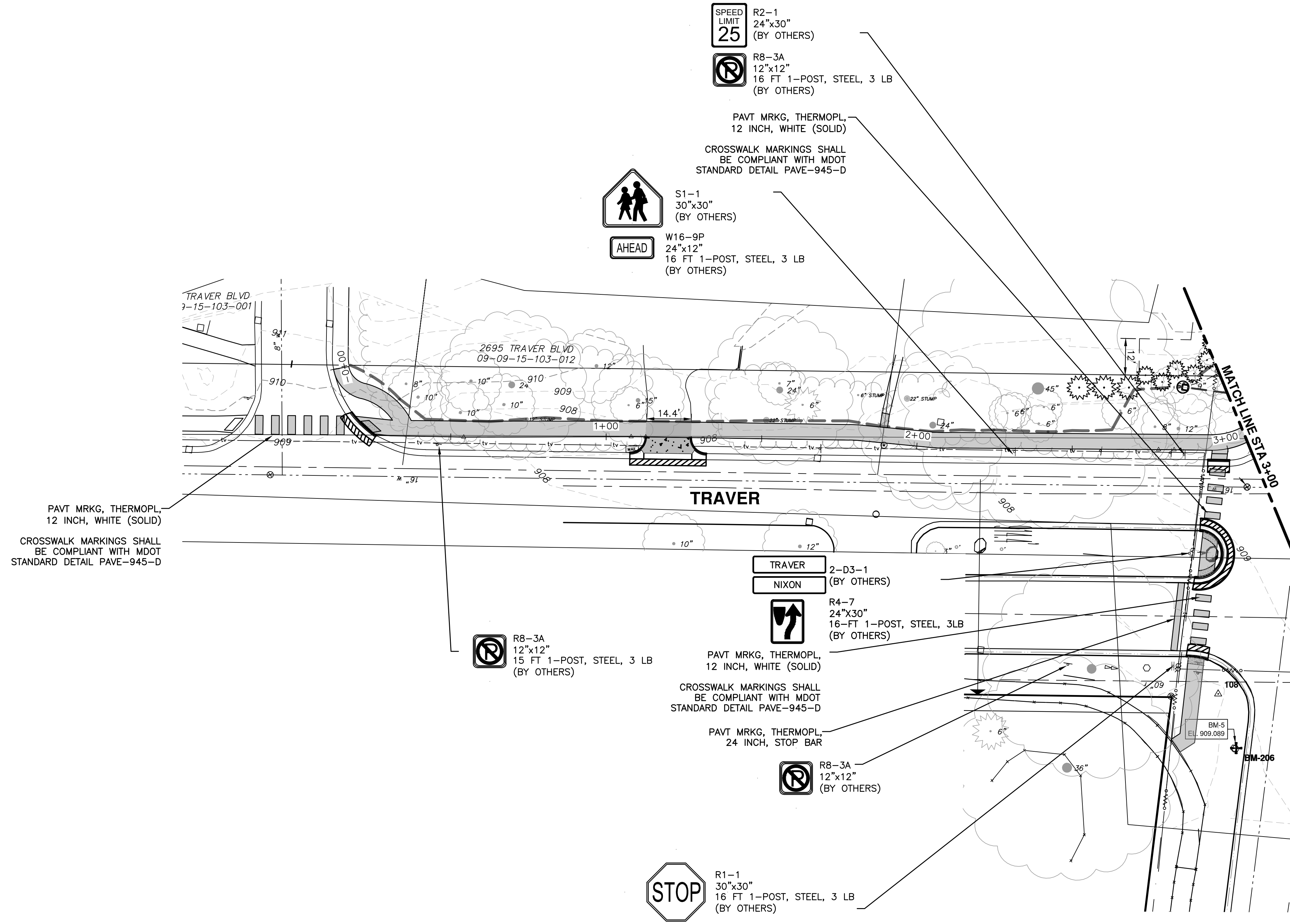
REV.	DATE	DESCRIPTION
00	3-4-22	OUT TO BID

TB	DATE	CHECKED
KG/RF/CC	3-4-22	DRAWN



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R:\2022007_2022+ SW Gap Projects\CSP-PLTS-Traver-Nixon Signage.dwg Dwg Created: 2-Mar-22 - _o2 standard bw.stb - Plot Date: 4-Mar-22



PAVEMENT MARKING QUANTITIES

24 FT PAVT MRKG, THERMOPL, 24 INCH, STOP BAR

136 FT PAVT MRKG, THERMOPL, WHITE, 12 INCH, SOLID



REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	OUT TO BID	3-4-22	KG/DF/CC	TB

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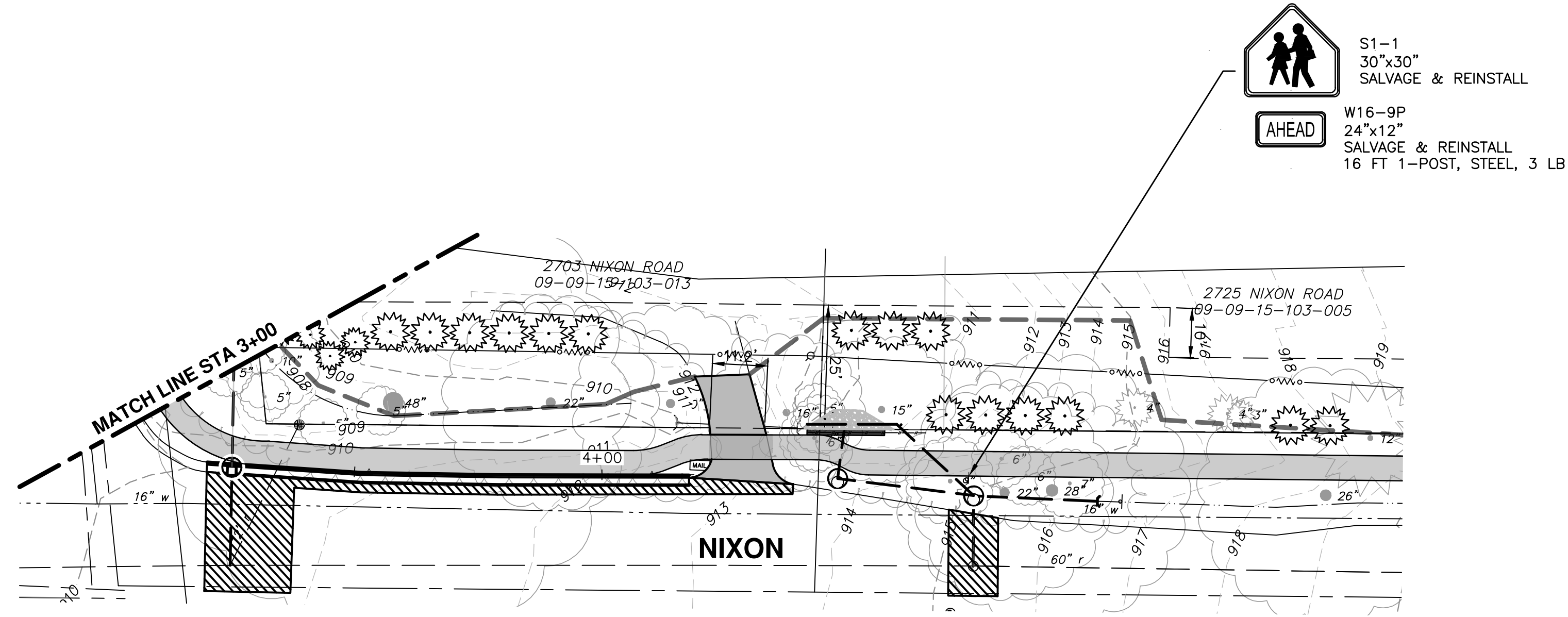
SIDEWALK GAP ELIMINATION - 2022

TRAVER NIXON

SIGNAGE AND PAVEMENT MARKINGS TRAVER STA. 0+00 - STA. 3+00

SCALE PLAN: 1" = 20'

DRAWING No. 2022007-21

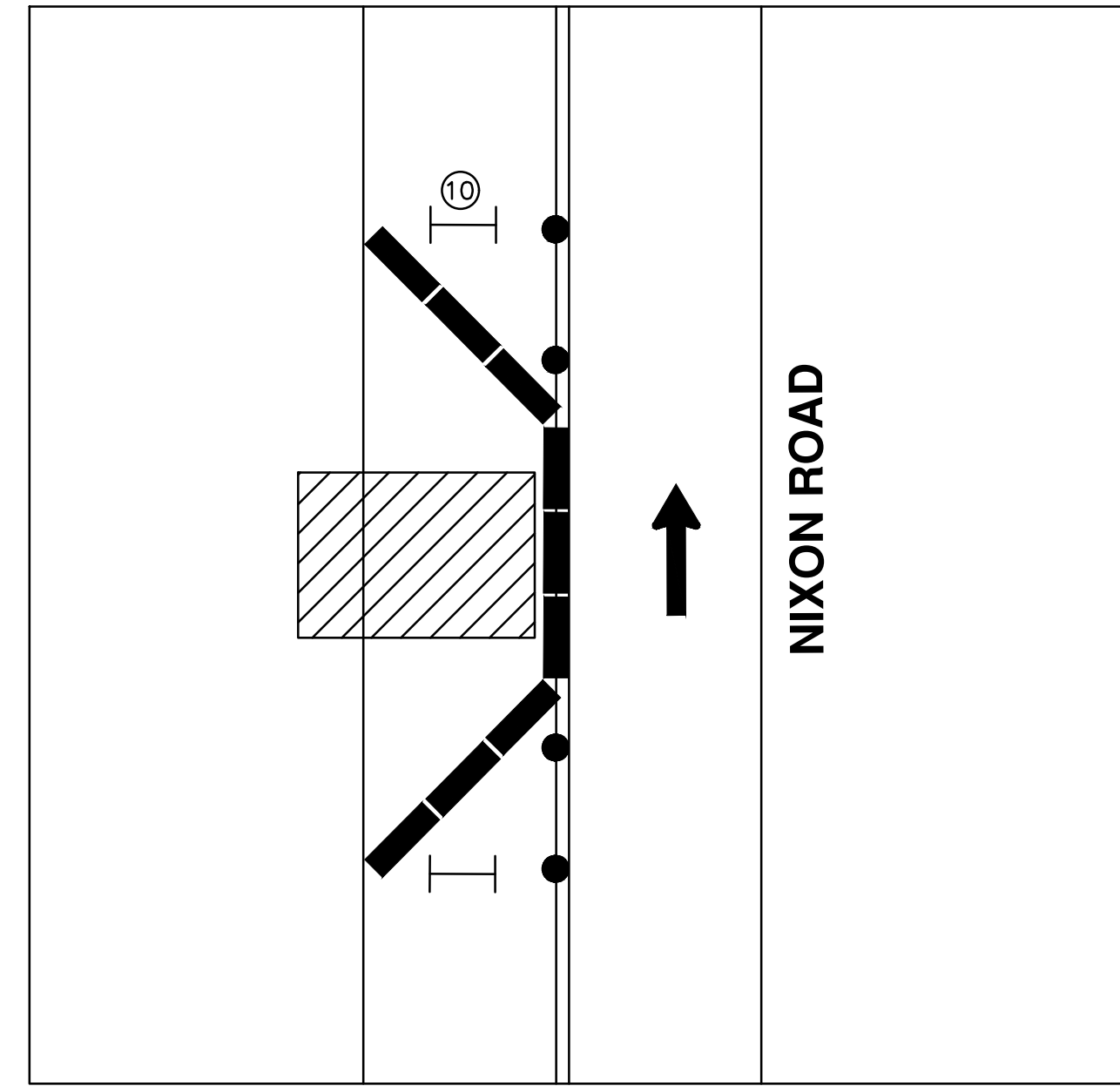
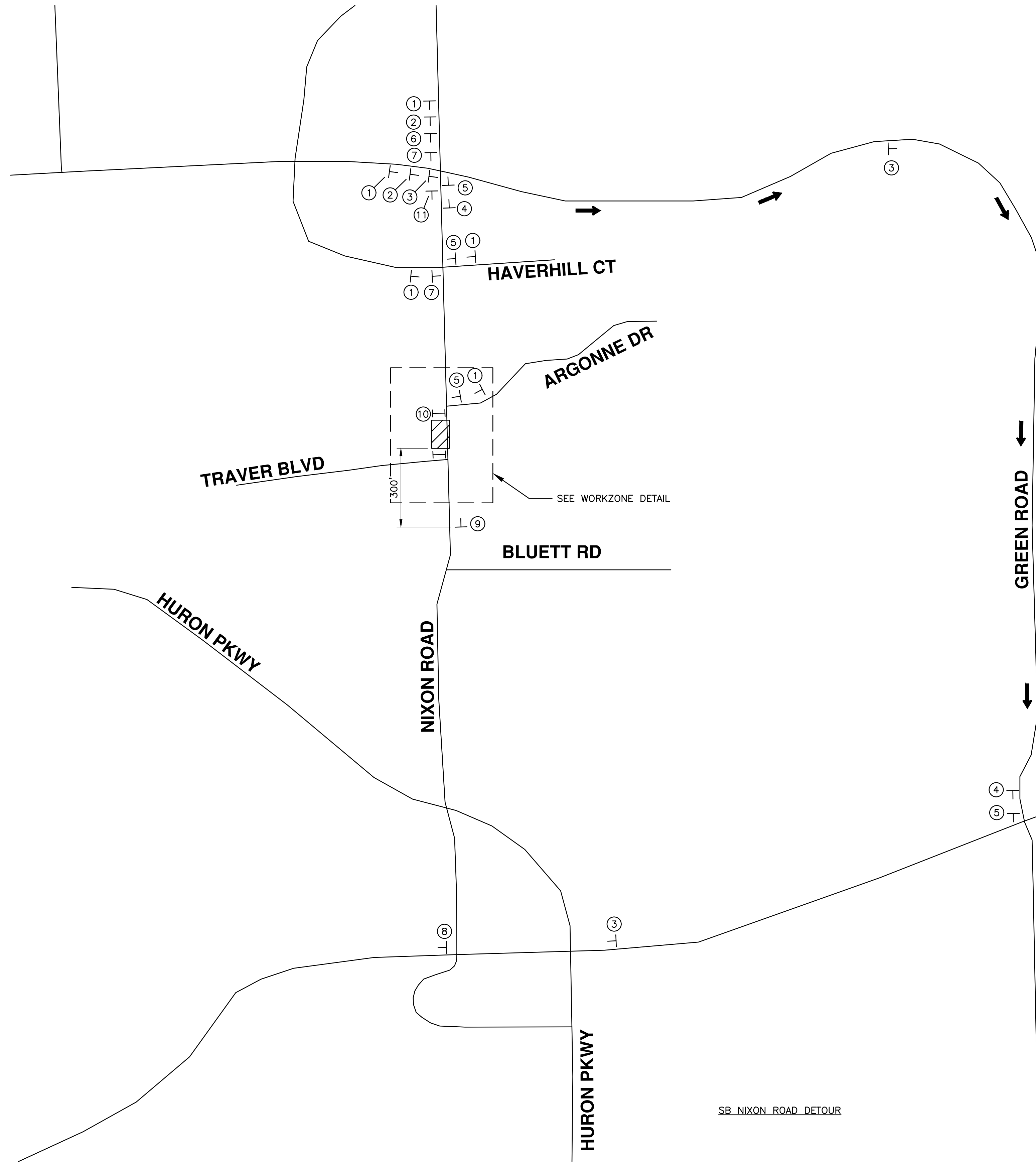


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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	OUT TO BID	3-4-22	KG/DF/CC	TB



R:\2022007_2022+ SW Gap Projects\CRP-PLTS-MoT.dwg Dwg Created: 2-Mar-22 - _a2_standard bw.stb - Plot Date: 4-Mar-22



WORKZONE DETAIL

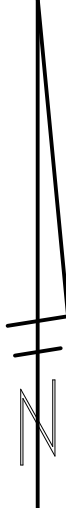
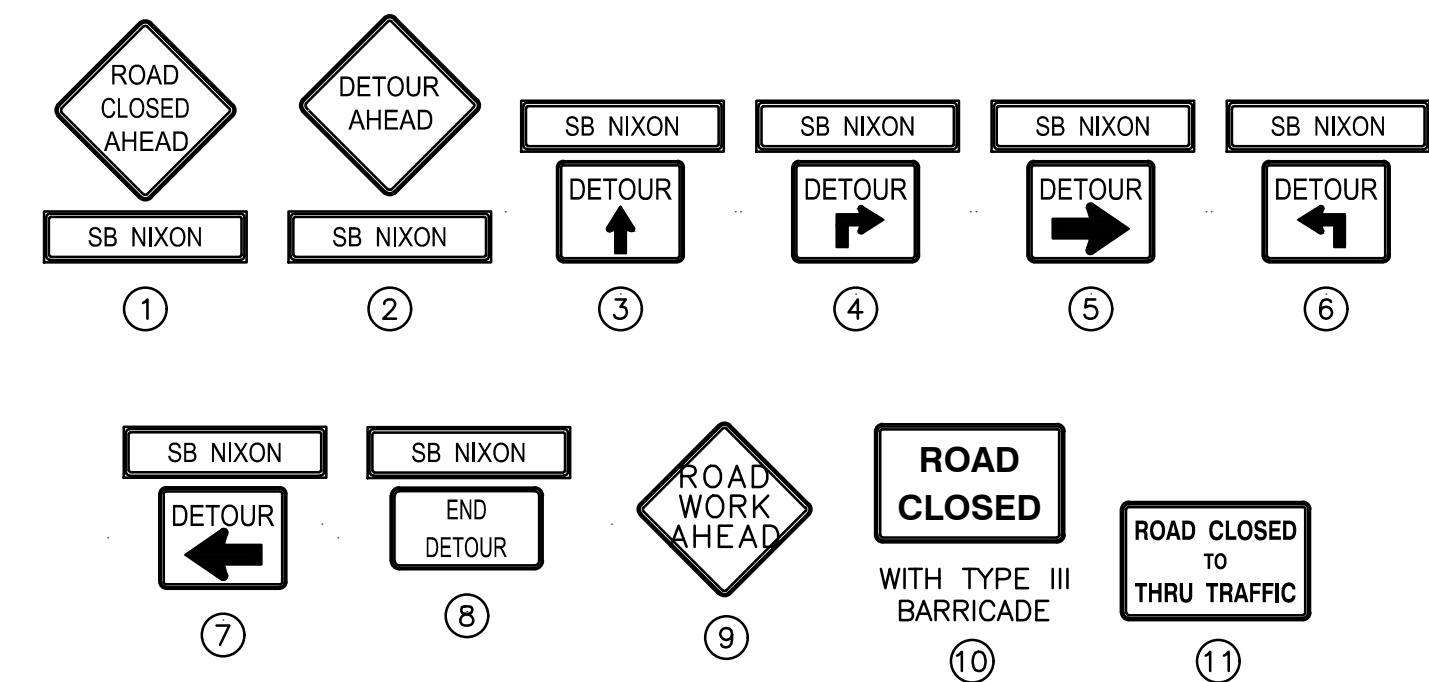
NOTE:
USE MDOT SPECIAL DETAIL
R-126-T FOR PLACEMENT OF
TEMPORARY CONCRETE BARRIER.

PEDESTRIANS:
NO EXISTING SIDEWALK ON WEST SIDE OF NIXON
RD. EAST SIDE SIDEWALK WILL BE MAINTAINED.

BICYCLISTS:
SB CYCLISTS WILL USE VEHICLE DETOUR. NB
BIKE LANES WILL BE MAINTAINED.

LEGEND

- T SIGN
- (11) SIGN CALL OUT
- I TYPE III BARRICADE
- [Hatched Box] WORK ZONE
- TRAFFIC FLOW
- [Thick Line] TEMPORARY CONCRETE BARRIER



REV.	DESCRIPTION	DATE	BY	CHECKED
00	OUT TO BID	3-4-22	KG/JF/CC	TB

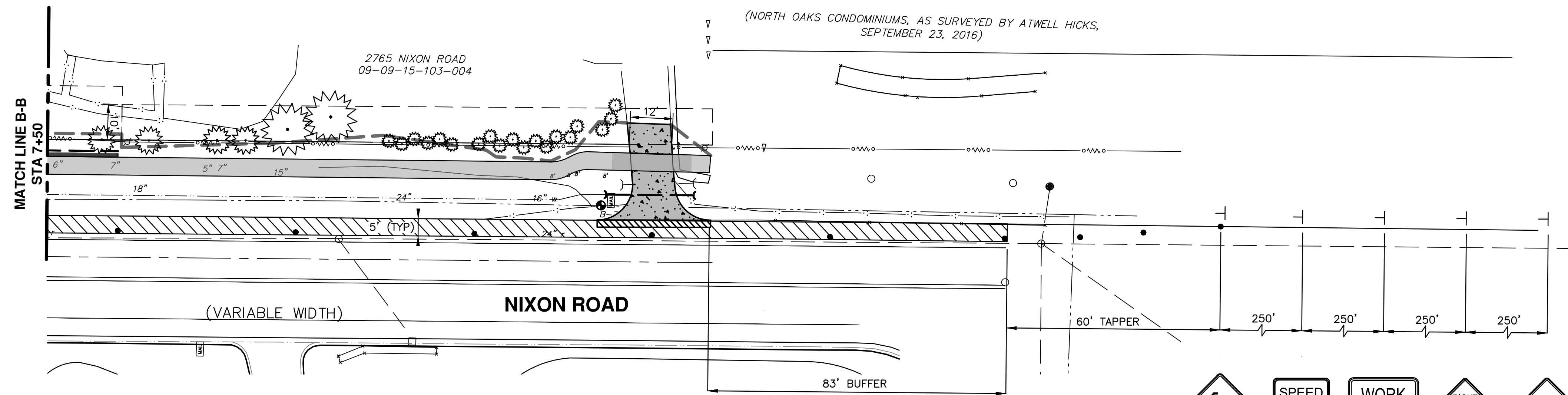
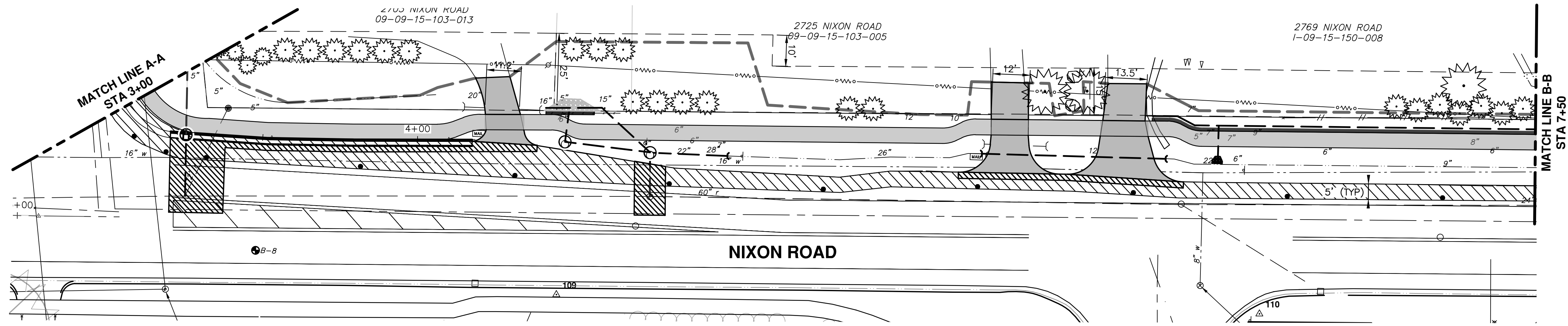
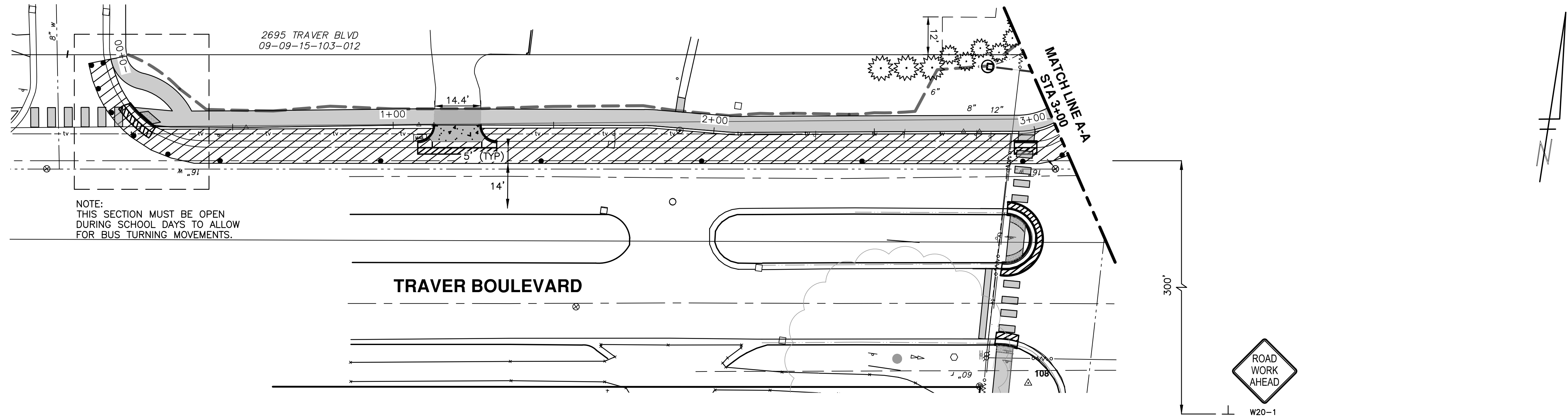
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
SIDEWALK GAP ELIMINATION - 2022
TRAVER NIXON
MAINTENANCE OF TRAFFIC - SB NIXON

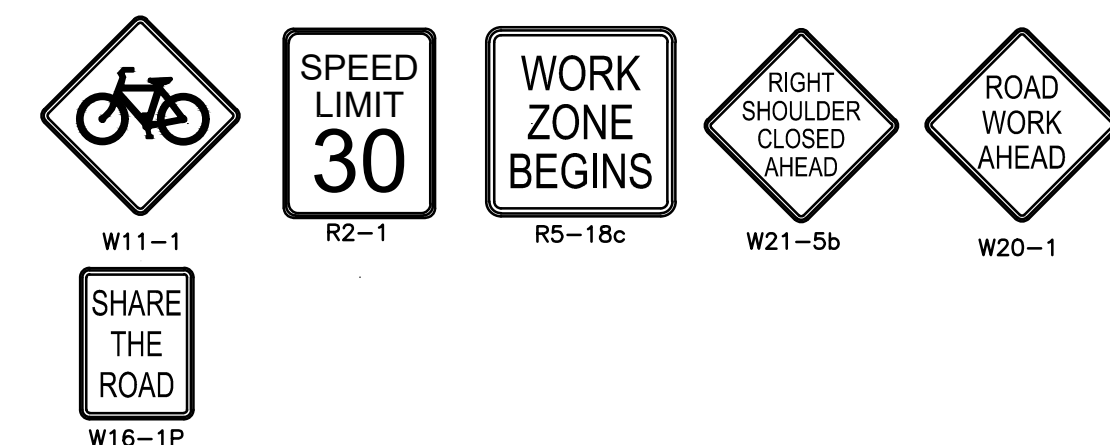
SCALE PLAN: N.T.S.
DRAWING No. 2022007-23

R:\2022007_2022+ SW Gap Projects\CRP-PLTS-MoI-02.dwg Dwg Created: 2-Mar-22 - _g2 standard bw.stb - Plot Date: 4-Mar-22



PEDESTRIANS:
NO EXISTING SIDEWALK ON WEST SIDE OF NIXON RD. EAST SIDE SIDEWALK WILL BE MAINTAINED. ANY NEW SIDEWALK AND CROSSWALKS WILL NOT BE OPEN UNTIL THE END OF ALL CONSTRUCTION.

BICYCLISTS:
SB CYCLISTS WILL SHARE THE VEHICLE LANE. NB BIKE LANES WILL BE MAINTAINED.



LEGEND

┆ TEMPORARY SIGN

● CHANNELIZING DEVICE

▨ WORK ZONE

811
Know what's below. Call before you dig.

REV.	DATE	DESCRIPTION	DRAWN	CHECKED
00	3-4-22		KG/DF/CC	TB

CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48107-8647
www.aagov.org

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SCALE PLAN: 1" = 20'
DRAWING No. 2022007-24
SHEET No. 24 OF 24