

CIVIL GENERAL NOTES

UTILITIES- CONTINUED

- THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES DECLARE THAT THEY ARE DEPICTED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES
- THE FOLLOWING MINIMUM HORIZONTAL & VERTICAL CLEARANCES BETWEEN UTILITIES SHALL BE MAINTAINED:

GAS-UTILITY SEPARATIONS		
UTILITY	VERTICAL	HORIZONTAL
SANITARY SEWER MAIN	12"	84"
SANITARY SEWER LATERAL	12"	60"
WATER MAIN	12"	60"
WATER SERVICE	12"	60"
STORM SEWER	12"	48"

TRAFFIC

- UNIFORMED CITY OF MERIDEN POLICE OFFICER(S) TO PROVIDE TRAFFIC CONTROL WHEN REQUIRED. POLICE SCHEDULING CAN BE REACHED AT 203-630-6305.
- CONTRACTOR MUST RESTORE PAVEMENT MARKINGS DISTURBED BY THE CONSTRUCTION IMMEDIATELY UPON COMPLETION OF THE WORK IN MATERIALS SUITABLE TO DPW -TRAFFIC DIVISION. TEMPORARY TAPE, IF USED, MUST BE MAINTAINED IN GOOD CONDITION UNTIL THE PERMANENT MARKINGS ARE PLACED.
- ALL TEMPORARY TRAFFIC CONTROL DEVICES MUST CONFORM TO THE STANDARDS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) AND THE CITY OF MERIDEN. A MAINTENANCE OF TRAFFIC PLAN (MOT) WILL BE REQUIRED FOR LANE CLOSURES THAT WILL LAST FOR MORE THAN 1 DAY.

SITE RESTORATION

- PROVIDE 6-INCHES OF TOPSOIL AND SEED TO AREAS DISTURBED DURING CONSTRUCTION AND NOT DESIGNATED TO BE RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) UNLESS OTHERWISE NOTED.
- EXISTING CURBING, SIDEWALKS, PAVEMENT AND RELATED INFRASTRUCTURE SHALL BE REPAIRED, IN-KIND, AT NO COST TO THE CITY SHOULD THESE BE DAMAGED DURING CONSTRUCTION.

LEGEND

PROPERTY LINE
EXISTING CONTOURS
EXISTING SPOT ELEVATION
EXISTING TREE LINE
EXISTING DECIDUOUS TREE
EXISTING EVERGREEN TREE
EXISTING SHRUB
EXISTING UTILITY POLE
EXISTING GUY WIRE
EXISTING GAS GATE
EXISTING SWITCHGEAR
EXISTING TRANSFORMER
EXISTING LIGHT
EXISTING TEL/DATA VAULT
EXISTING HYDRANT
EXISTING WATER GATE VALVE
EXISTING SANITARY MANHOLE
EXISTING STORM MANHOLE
EXISTING FLAT TOP CATCH BASIN
EXISTING CATCH BASIN
EXISTING REINFORCED CONCRETE CULVERT END
EXISTING STORM LINE
EXISTING SANITARY SEWER LINE
EXISTING OVERHEAD WIRES
EXISTING TELEPHONE LINE
EXISTING WATER MAIN
EXISTING GAS MAIN
EXISTING ELECTRICAL SERVICE
EXISTING RAILROAD TRACK
EXISTING BOLLARD / POST
EXISTING PEDESTRIAN WALK SIGNAL
EXISTING SIGN
EXISTING EDGE OF WATER
EXISTING FEMA 100-YEAR FLOODPLAIN BOUNDARY
EXISTING CURB
EXISTING CHAIN LINK FENCE
EXISTING GUIDE RAIL
EXISTING IRON PIPE/ROD
EXISTING MONUMENT
EXISTING MONITORING WELL
TEST PIT LOCATION AND IDENTIFICATION
SOIL BORING LOCATION AND IDENTIFICATION
CONCRETE CHIP SAMPLING AND SOIL BORING LOCATION
MONITORING WELL LOCATION AND IDENTIFICATION
GEOTECHNICAL TEST PIT AND BORING LOCATIONS
SEDIMENT SAMPLING LOCATION
HISTORICAL SEDIMENT SAMPLING LOCATION
GEOTECHNICAL BORING LOCATIONS
GEOTECHNICAL TEST PIT LOCATIONS
PROPOSED SEDIMENTATION CONTROL GEOTEXTILE FENCE SYSTEM
PROPOSED SEDIMENTATION CONTROL COIR FIBER ROLL SYSTEM
PROPOSED COFFERDAM
PROPOSED ANTI-TRACKING APRON
PROPOSED DEWATERING BAG
PROPOSED SEDIMENTATION CONTROL SYSTEM AT PROPOSED CATCH BASIN
PROPOSED SEDIMENTATION CONTROL SYSTEM AT EXISTING CATCH BASIN
PROPOSED TREE PROTECTION
DEMOLITION LIMIT OF DISTURBANCE AND HARDSCAPE REMOVAL
PROPOSED LIMIT OF EXISTING WALL DEMOLITION
UTILITY TO BE REMOVED & DISPOSED OF
UTILITY TO BE ABANDONED
AREA OF ENVIRONMENTAL CONCERN (AS NOTED)
AREA OF ENVIRONMENTAL CONCERN (AOEC-05A, AS NOTED)
LIMIT OF REMEDIATION AREA (SHEETS HM-101, HM-102)
APPROXIMATE LOCATION OF EXISTING TEMPORARY FENCING AND SIGNAGE AROUND SIGNIFICANT ENVIRONMENTAL HAZARD (SEH) AREA
AREA OF ENVIRONMENTAL CONCERN (AOEC-05, SHEET HM-102)
AREA OF ENVIRONMENTAL CONCERN (AOEC-05A, SHEET HM-102)
AREA OF ENVIRONMENTAL CONCERN WITHIN THE LIMIT OF THE TEMPORARY PROCESSED AGGREGATE BASE PARKING LOT

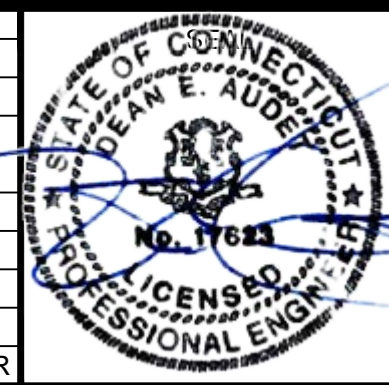
LIMIT OF DISTURBANCE
PROPOSED CONTOURS
PROPOSED SPOT ELEVATION
PROPOSED TREELINE
PROPOSED TREE
PROPOSED TURF ESTABLISHMENT
PROPOSED SHRUB
PROPOSED SWITCHGEAR
PROPOSED LIGHT
PROPOSED TEL/DATA VAULT
PROPOSED HYDRANT ASSEMBLY
PROPOSED WATER GATE VALVE
PROPOSED SANITARY MANHOLE
PROPOSED STORM MANHOLE
PROPOSED TYPE "C-L" CATCH BASIN
PROPOSED TYPE "C" CATCH BASIN
PROPOSED REINFORCED CONCRETE CULVERT END
PROPOSED STORM DRAINAGE LINE
PROPOSED SANITARY SEWER LINE
PROPOSED SANITARY SEWER LINE
PROPOSED TELECOMMUNICATIONS LINE
PROPOSED WATER MAIN
PROPOSED GAS MAIN
PROPOSED ELECTRICAL SERVICE
PROPOSED TEST PIT LOCATION
REMOVE AND RESET BOLLARD
RESET PEDESTRIAN CROSSWALK WALK SIGN POST
PROPOSED SIGN
PROPOSED BOLLARD
PROPOSED CONCRETE WHEEL STOP
PROPOSED BITUMINOUS CURB
PROPOSED CHAIN LINK FENCE
PROPOSED METAL BEAM RAIL GUARDRAIL
PROPOSED METAL BRIDGE RAIL
BITUMINOUS CONCRETE SURFACE DETAIL
BITUMINOUS CONCRETE PAVEMENT
NON-PARTICIPATING WORK AREA
TEMPORARY PROCESSED AGGREGATE BASE PARKING LOT
PROPOSED INTERMEDIATE RIPRAP
PROPOSED MODIFIED RIPRAP
PROPOSED STAMPED CONCRETE DRIVEWAY APRON
PROPOSED SCREENED CONCRETE DUMPSTER PAD
PROPOSED BITUMINOUS SIDEWALK
PROPOSED CONCRETE SIDEWALK
PROPOSED MONOLITHIC CURB AND SIDEWALK
PROPOSED DETECTABLE WARNING SURFACE
PROPOSED PAINTED STOP BAR
PROPOSED PAINTED CROSSWALK

ABBREVIATIONS

A.C.	ASBESTOS CEMENT	FF	FINISH FLOOR
ALUM., AL.	ALUMINUM	G.V	GATE VALVE
APPROX.	APPROXIMATE	H.P.	HIGH POINT
ARV	AIR RELEASE/ VACUUM VALVE	L.P.	LOW POINT
B-2	BORING NO.	LPS	LOW PRESSURE SEWER
BIT.	BITUMINOUS	LW	LAB WASTE
B	BASELINE	MAX.	MAXIMUM
BLDG.	BUILDING	MIN.	MINIMUM
BM	BENCH MARK	MJ	MECHANICAL JOINT
C.I.	CAST IRON	NTS	NOT TO SCALE
CLDIP	CEMENT LINED DUCTILE IRON PIPE	O.D.	OUTSIDE DIAMETER
C	CENTERLINE	OS	OUTDOOR SHOWER
CONC.	CONCRETE	P-3	PROBE NO.
CONN.	CONNECTION	PROP.	PROPOSED
CB	CATCH BASIN	PVC	POLYVINYL CHLORIDE
CO	CLEANOUT	RC	REINFORCED CONCRETE
DBL CB	DOUBLE CATCH BASIN	SCS	SEDIMENTATION CONTROL SYSTEM
D.I.	DUCTILE IRON	RCF	REINFORCED CONCRETE PIPE
Ø, DIA.	DIAMETER	RGS	RIGID GALVANIZED STEEL
DMH	DRAINAGE MANHOLE	SCH.	SCHEDULE
E.C.L.	EROSION CONTROL LINING	SMH	SANITARY MANHOLE
ECO	END CLEANOUT	STA.	STATION
EL.	ELEVATION	DSMH	DROP SANITARY MANHOLE
EOB.	END OF BORING	TF	TOP OF FRAME
EXIST.	EXISTING	TYP.	TYPICAL
EXP.	EXPANSION	VCP	VITRIFIED CLAY PIPE
FRP	FIBERGLASS REINFORCED POLYETHYLENE	W/	WITH
G.W.O	GROUNDWATER OBSERVED		
HDPE	HIGH DENSITY POLYETHYLENE		
I.D.	INSIDE DIAMETER		
INV.	INVERT		

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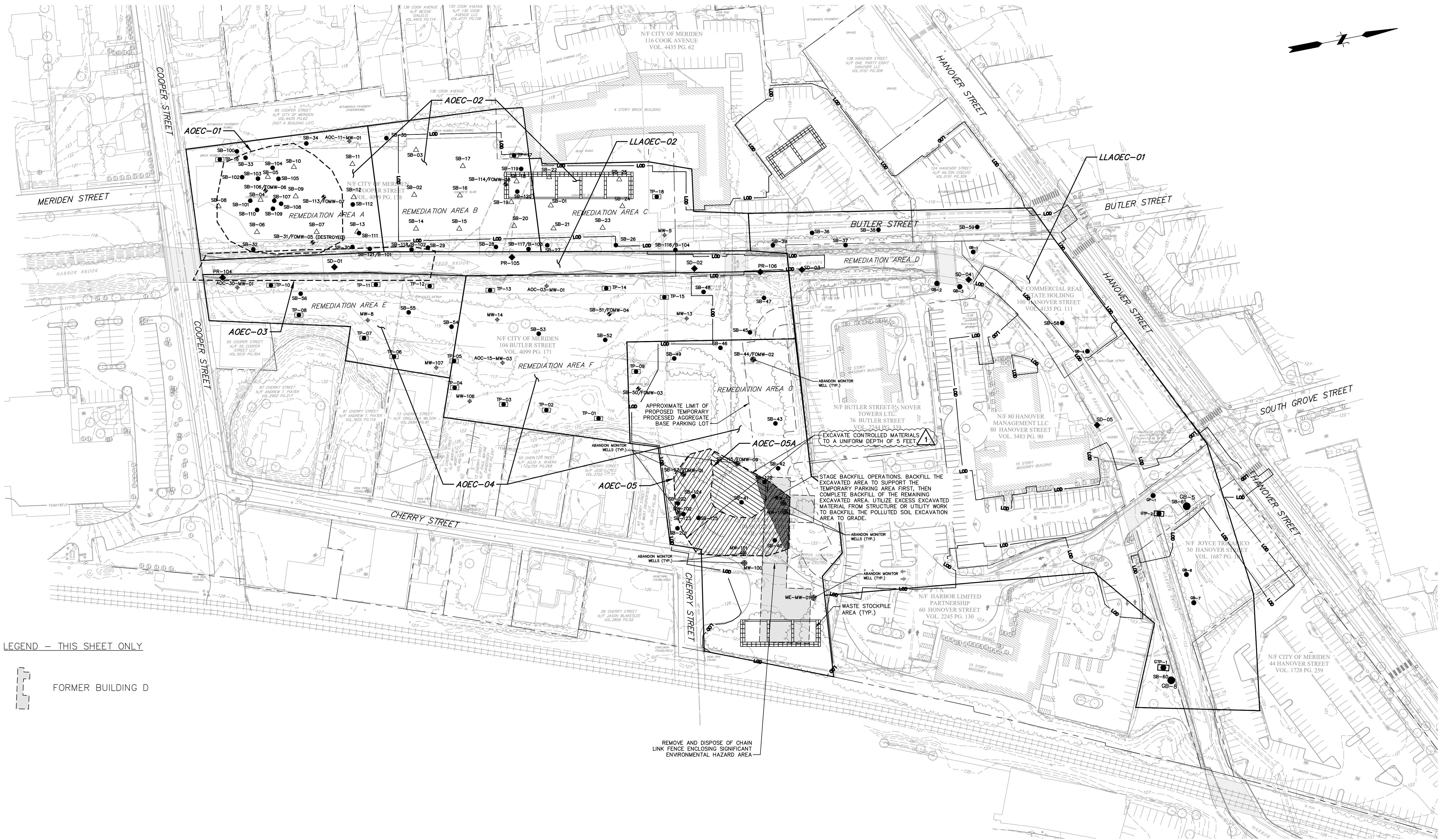
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CITY OF MERIDEN
GENERAL NOTES AND LEGEND
BRIDGE REPLACEMENTS AND UTILITY IMPROVEMENTS
BUTLER STREET AND HANOVER STREET
MERIDEN CONNECTICUT

PROJ. No.: 20170932.C38
DATE: FEBRUARY 27, 2024
GI-003

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
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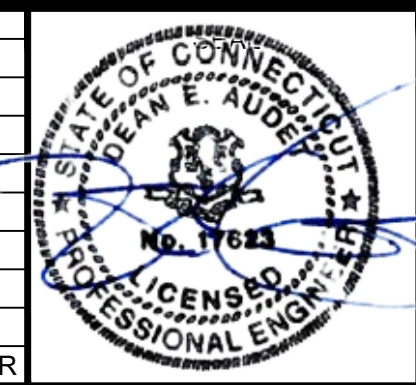
 FORMER BUILDING D

REMOVE AND DISPOSE OF CHAIN LINK FENCE ENCLOSING SIGNIFICANT ENVIRONMENTAL HAZARD AREA

EXCAVATE CONTROLLED MATERIALS TO A UNIFORM DEPTH OF 5 FEET

STAGE BACKFILL OPERATIONS. BACKFILL THE EXCAVATED AREA TO SUPPORT THE TEMPORARY PARKING AREA FIRST, THEN COMPLETE BACKFILL OF THE REMAINING EXCAVATED AREA. UTILIZE EXCESS EXCAVATED MATERIAL FROM STRUCTURE OR UTILITY WORK TO BACKFILL THE POLLUTED SOIL EXCAVATION AREA TO GRADE.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	SH	MG/DA



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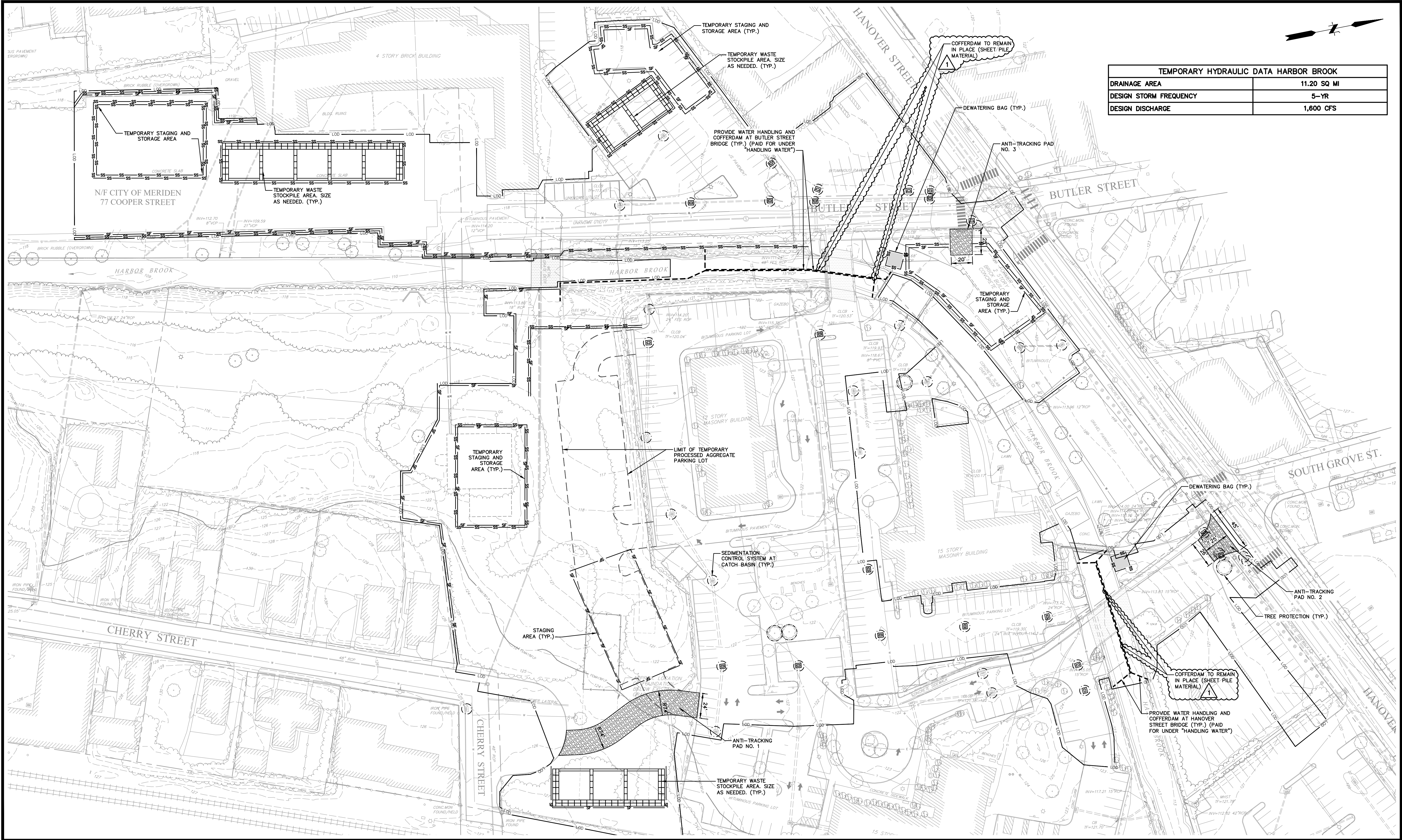
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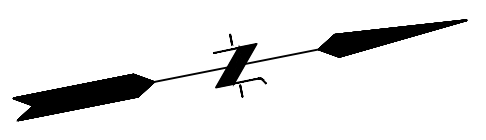
CITY OF MERIDEN
 CONTROLLED MATERIALS HANDLING PLAN
 BRIDGE REPLACEMENTS AND UTILITY IMPROVEMENTS
 BUTLER STREET AND HANOVER STREET
 MERIDEN CONNECTICUT

PROJ. No.: 20170932.C38
 DATE: FEBRUARY 27, 2024
HM-102

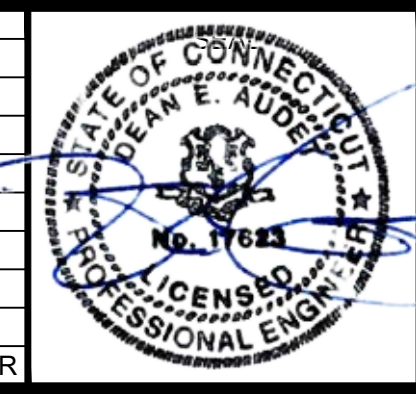
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 LAYER STATE:



TEMPORARY HYDRAULIC DATA HARBOR BROOK	
DRAINAGE AREA	11.20 SQ MI
DESIGN STORM FREQUENCY	5-YR
DESIGN DISCHARGE	1,600 CFS



No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	SH	MG/DA



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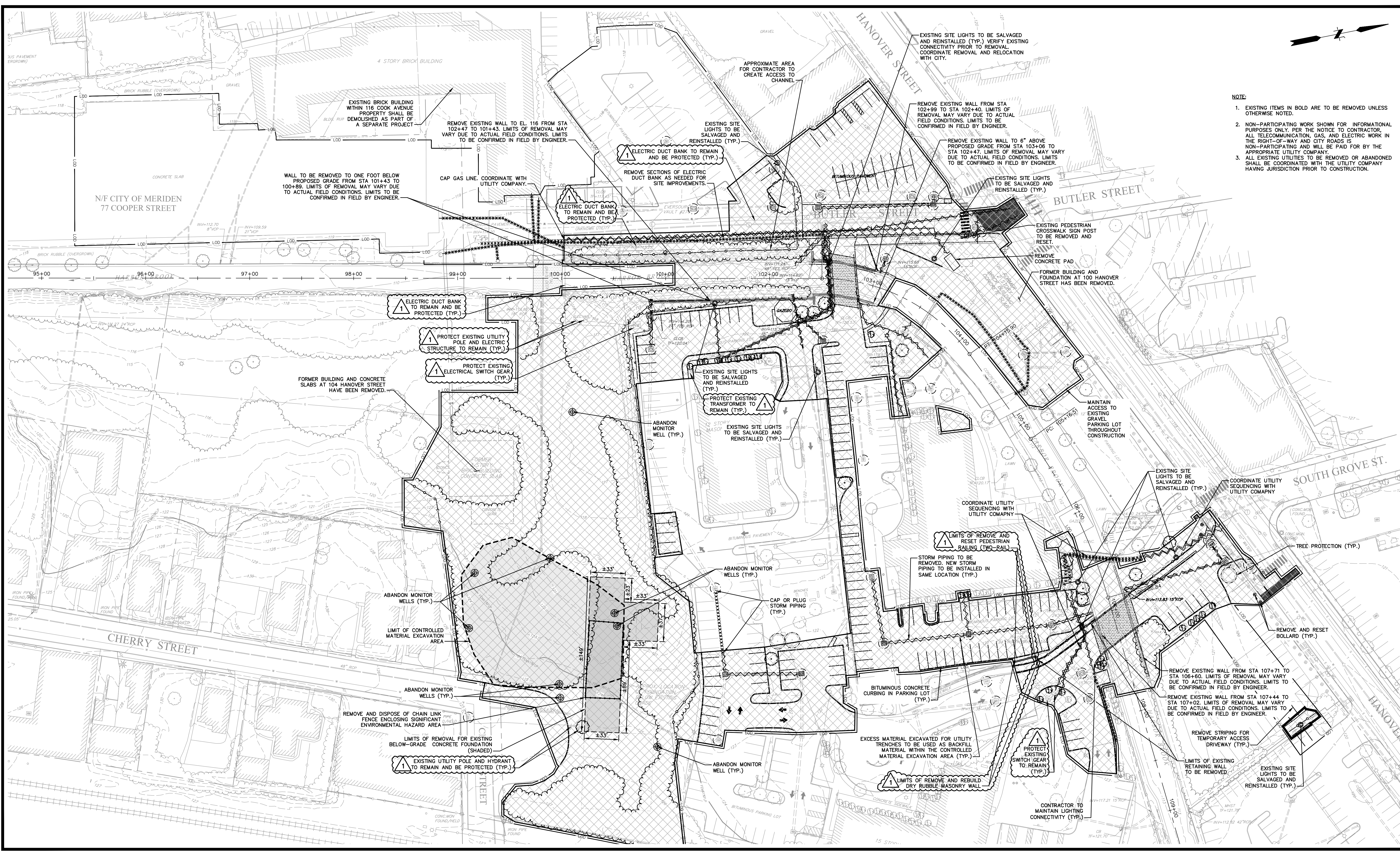
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CITY OF MERIDEN
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 BRIDGE REPLACEMENTS AND UTILITY IMPROVEMENTS
 BUTLER STREET AND HANOVER STREET
 MERIDEN CONNECTICUT

PROJ. No.: 20170932.C38
 DATE: FEBRUARY 27, 2024
CE-101

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1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	SH	MG/DA

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STATE OF CONNECTICUT
S. DEAN E. AUDELL
No. 17631
LICENSED PROFESSIONAL ENGINEER

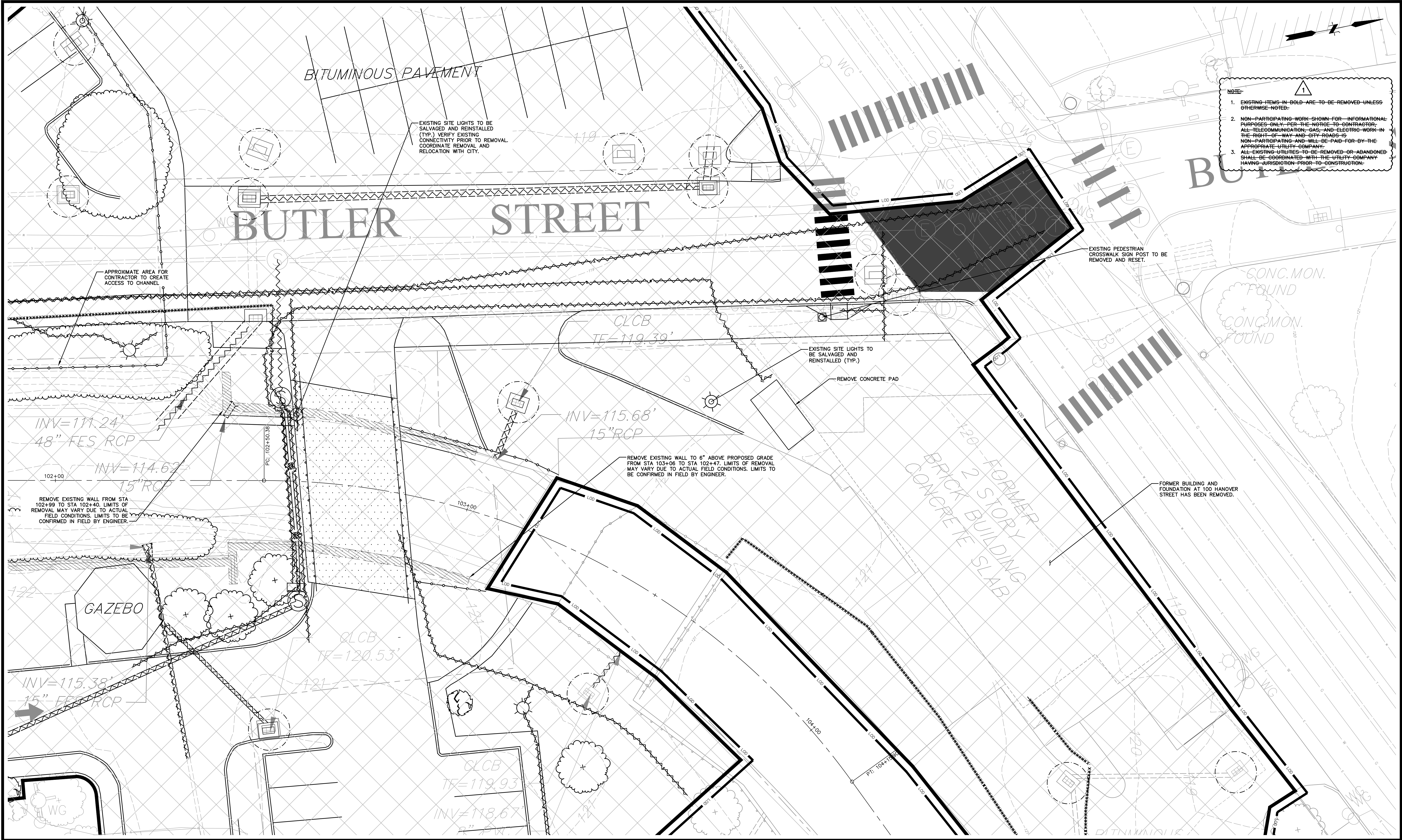
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CITY OF MERIDEN
SITE PREPARATION PLAN
BRIDGE REPLACEMENTS AND UTILITY IMPROVEMENTS
BUTLER STREET AND HANOVER STREET
MERIDEN CONNECTICUT

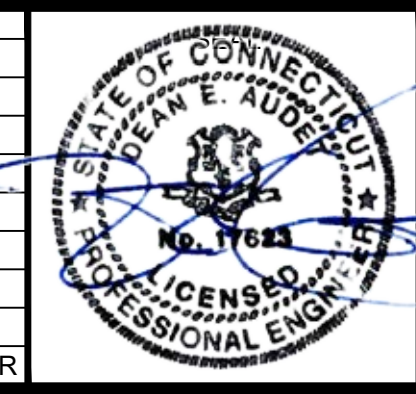
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 LAYER STATE:



- NOTE:**
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1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	SH	MG/DA



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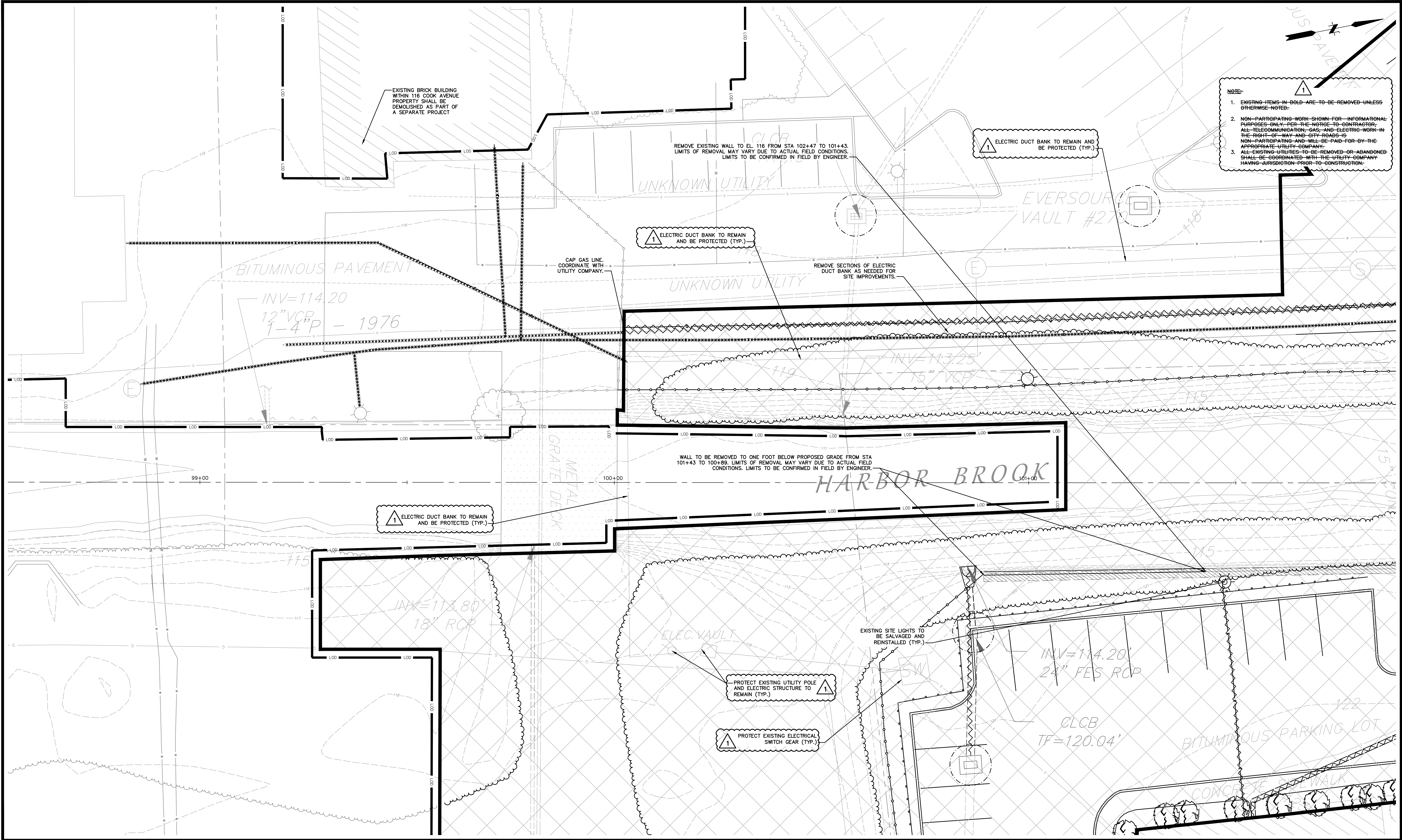
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 BRIDGE REPLACEMENTS AND UTILITY IMPROVEMENTS
 BUTLER STREET AND HANOVER STREET
 MERIDEN CONNECTICUT

PROJ. No.: 20170932.C38
 DATE: FEBRUARY 27, 2024
CP-401

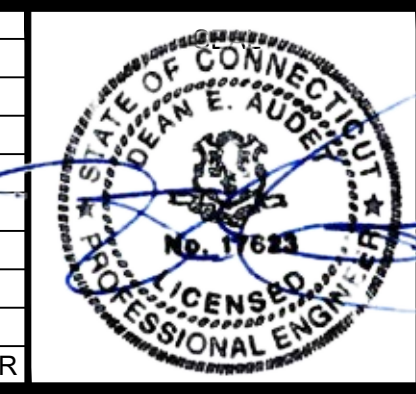
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1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	SH	MG/DA



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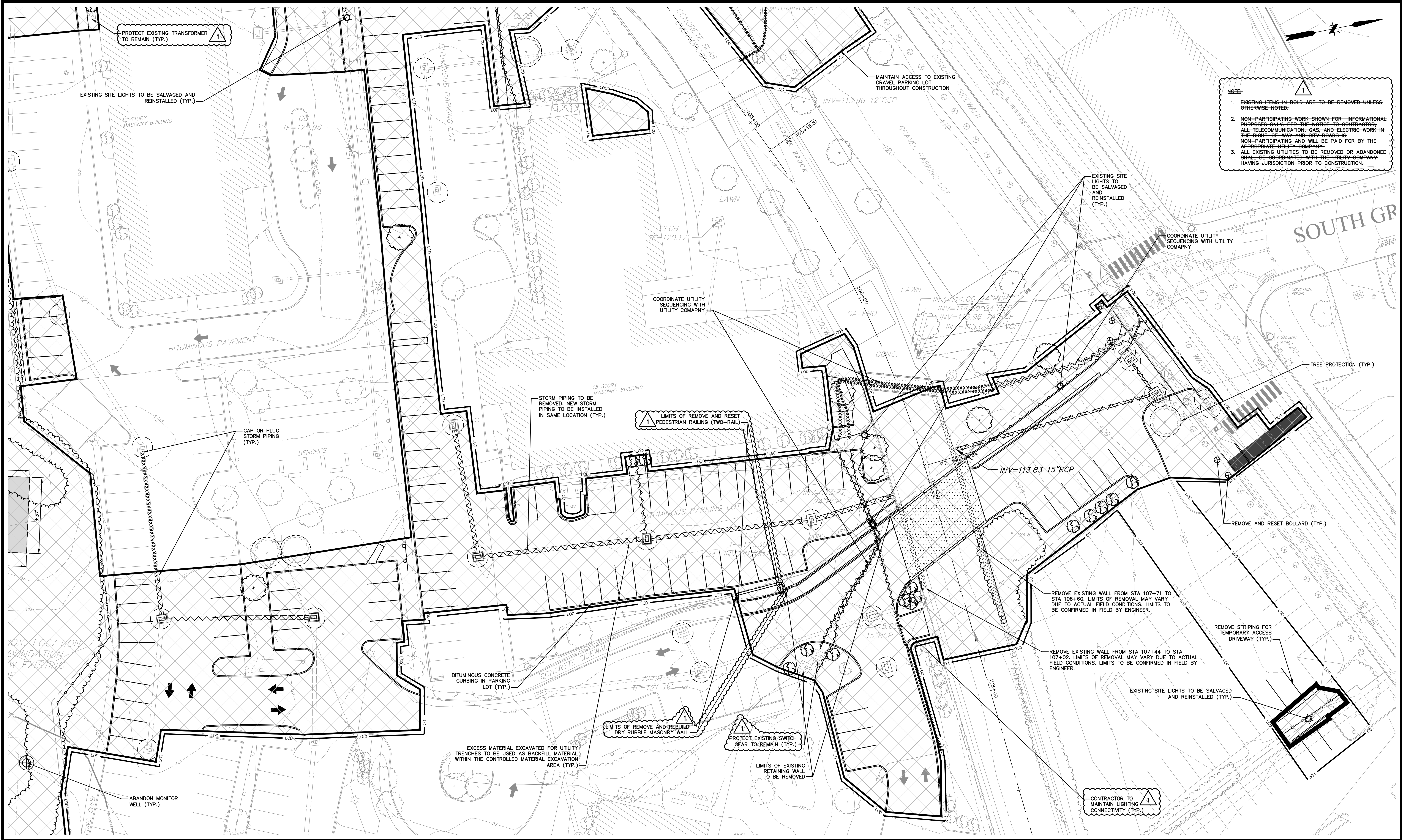
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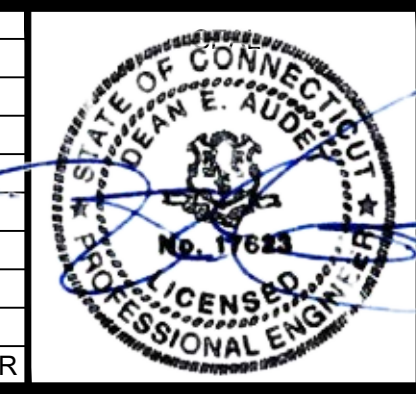
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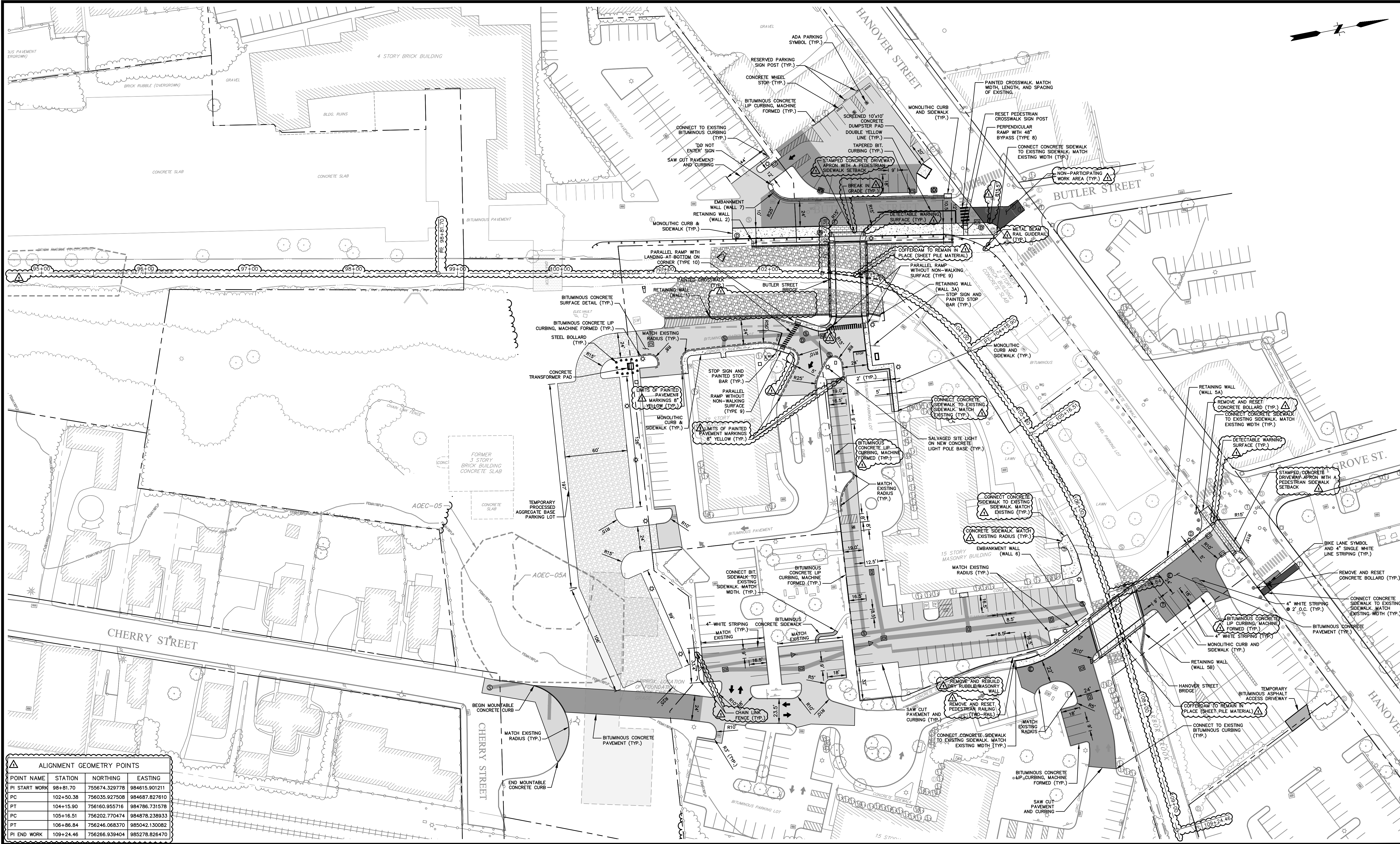
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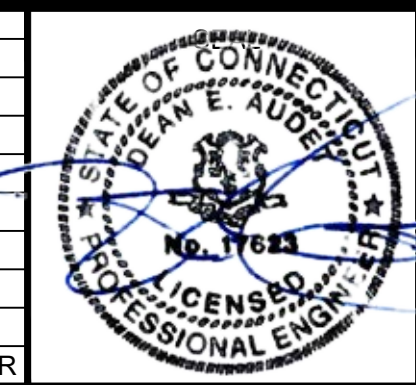
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 DATE: FEBRUARY 27, 2024
CP-403

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 LAYER STATE:



ALIGNMENT GEOMETRY POINTS			
POINT NAME	STATION	NORTHING	EASTING
PI START WORK	98+81.70	755674.329778	984615.901211
PC	102+50.38	756035.927508	984687.827610
PT	104+15.90	756160.955716	984786.731578
PC	105+16.51	756202.770474	984878.238933
PT	106+86.84	756246.068370	985042.130082
PI END WORK	109+24.46	756266.939404	985278.826470

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SEAL

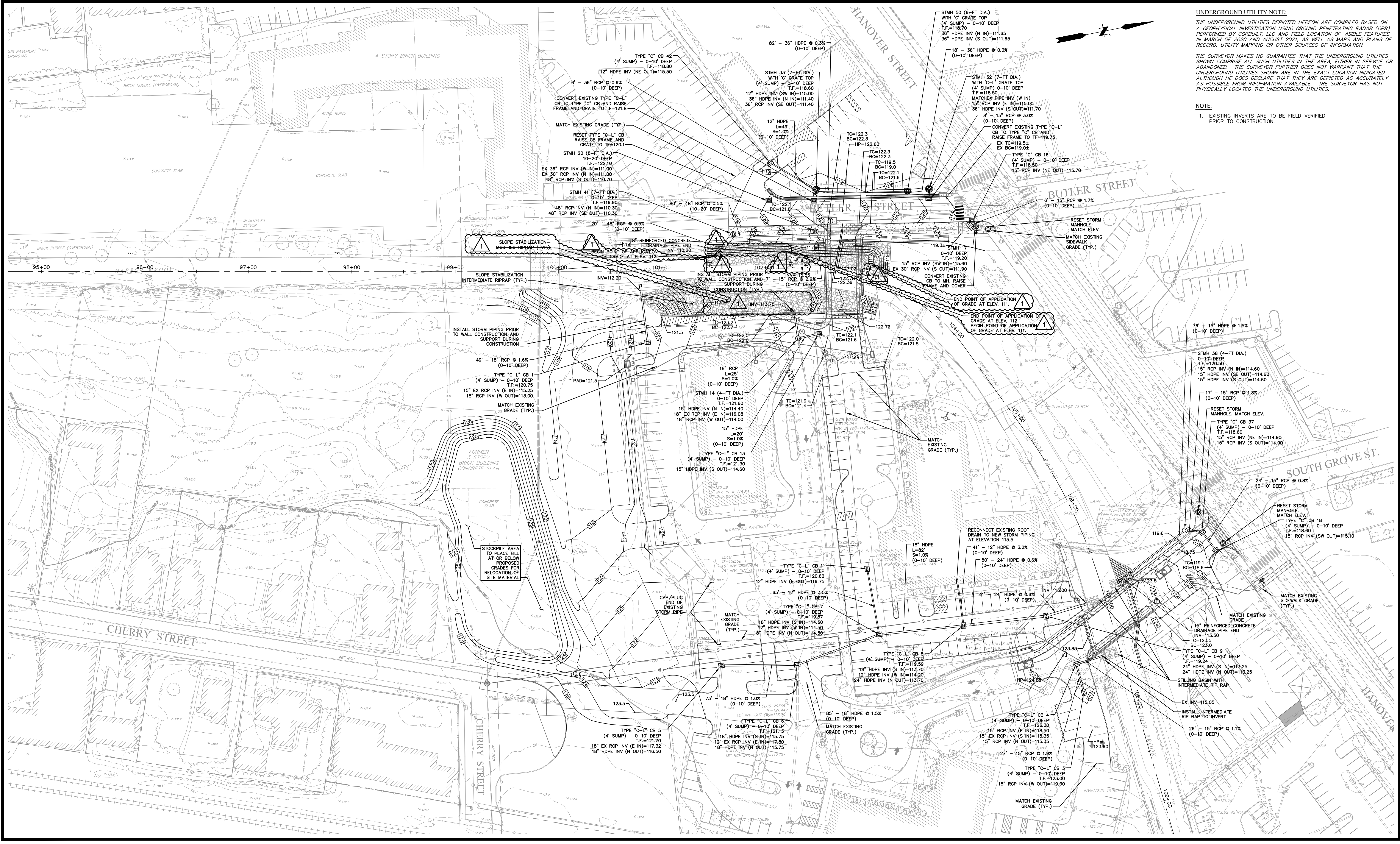
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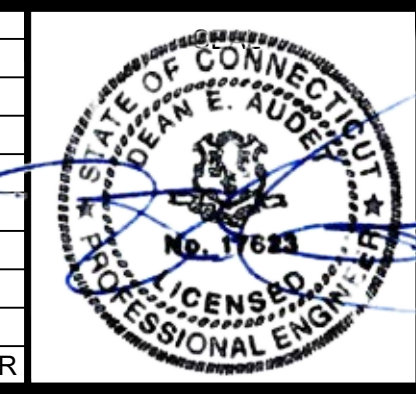
CITY OF MERIDEN
 SITE LAYOUT PLAN
 BRIDGE REPLACEMENTS AND UTILITY IMPROVEMENTS
 BUTLER STREET AND HANOVER STREET
 MERIDEN CONNECTICUT

PROJ. No.: 20170932.C38
 DATE: FEBRUARY 27, 2024
CS-101

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SEAL

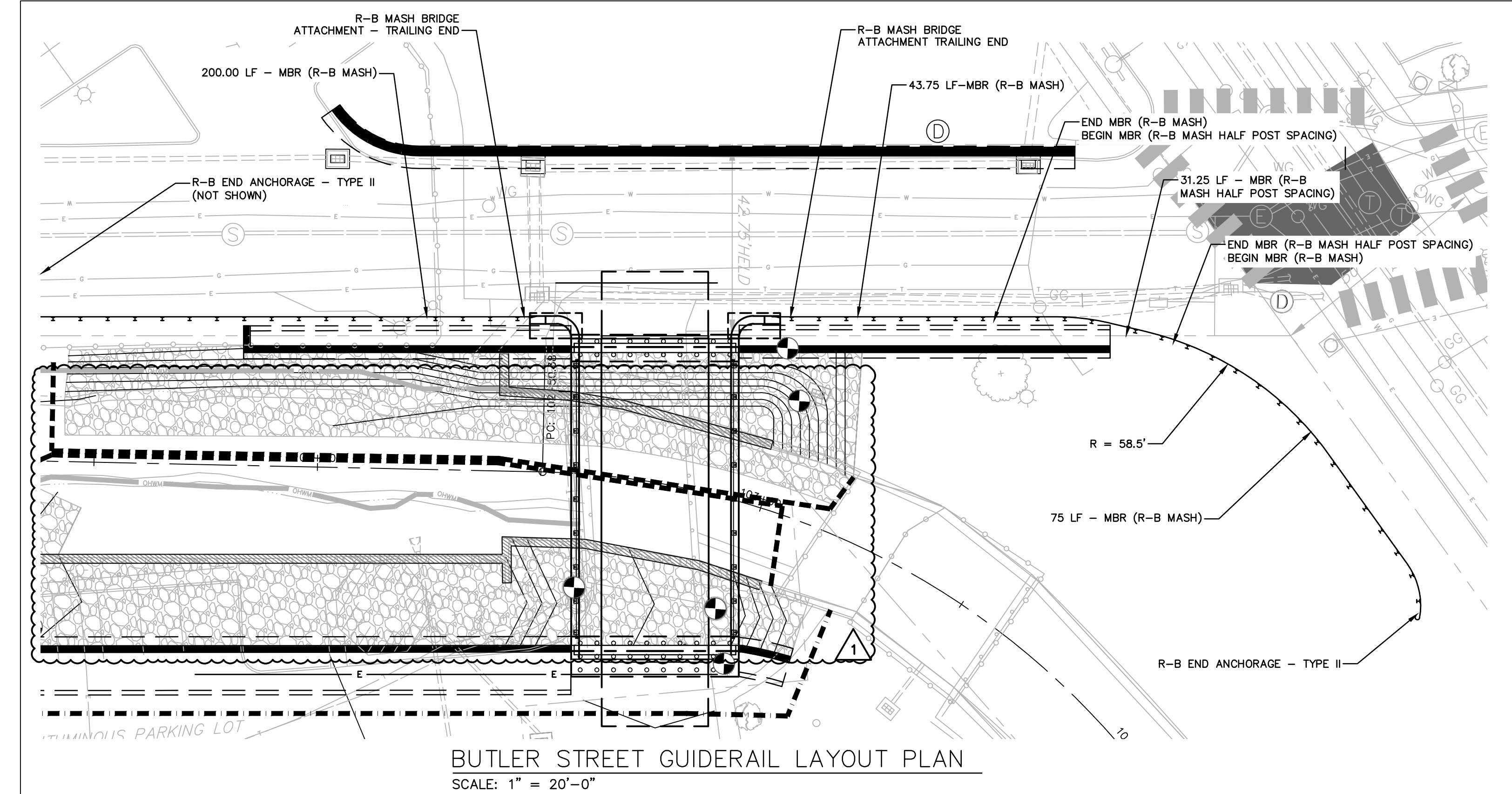
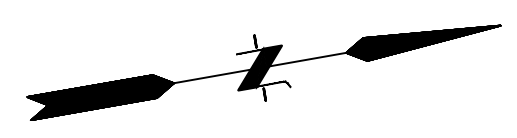
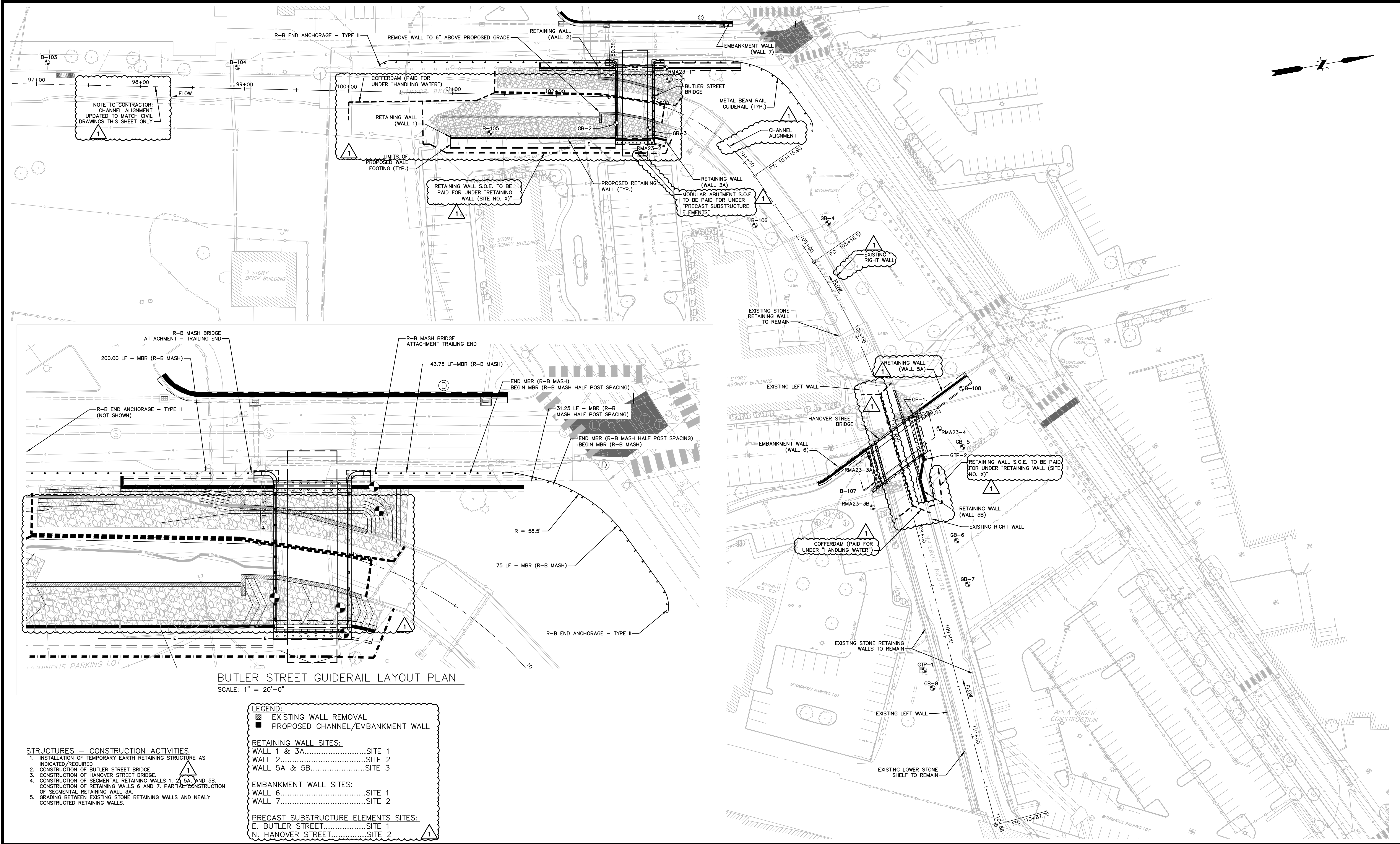
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VERT.:
DATUM:
HORIZ.: NAD 83
VERT.: NAVD 88

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CITY OF MERIDEN
GRADING & DRAINAGE LAYOUT PLAN
BRIDGE REPLACEMENTS AND UTILITY IMPROVEMENTS
BUTLER STREET AND HANOVER STREET
MERIDEN CONNECTICUT

PROJ. No.: 20170932.C11
DATE: FEBRUARY 27, 2024
CG-101

File Path: J:\DWG\20170932C11\Structural\Plan\20170932C11_01_LOCATION PLAN.dwg Layout: SA-101-PH1 Plotted: Wed, May 15, 2024 - 3:06 PM User: jacob.lalor
 Plotter: DWG TO PDF.PC3 CTB File: FO.STB
 LAYER STATE:



- LEGEND:**
 [Hatched Box] EXISTING WALL REMOVAL
 [Solid Box] PROPOSED CHANNEL/EMBANKMENT WALL
- RETAINING WALL SITES:**
 WALL 1 & 3A.....SITE 1
 WALL 2.....SITE 2
 WALL 5A & 5B.....SITE 3
- EMBANKMENT WALL SITES:**
 WALL 6.....SITE 1
 WALL 7.....SITE 2
- PRECAST SUBSTRUCTURE ELEMENTS SITES:**
 E. BUTLER STREET.....SITE 1
 N. HANOVER STREET.....SITE 2

- STRUCTURES - CONSTRUCTION ACTIVITIES**
1. INSTALLATION OF TEMPORARY EARTH RETAINING STRUCTURE AS INDICATED/REQUIRED
 2. CONSTRUCTION OF BUTLER STREET BRIDGE.
 3. CONSTRUCTION OF HANOVER STREET BRIDGE.
 4. CONSTRUCTION OF SEGMENTAL RETAINING WALLS 1, 2, 5A, AND 5B.
 5. CONSTRUCTION OF RETAINING WALLS 6 AND 7. PARTIAL CONSTRUCTION OF SEGMENTAL RETAINING WALL 3A.
 6. GRADING BETWEEN EXISTING STONE RETAINING WALLS AND NEWLY CONSTRUCTED RETAINING WALLS.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	JT	DW

SEAL



SCALE:
 HORZ.: 1" = 40'
 VERT.: 1" = 40'

DATUM:
 HORZ.: NAD 83
 VERT.: NAVD 88

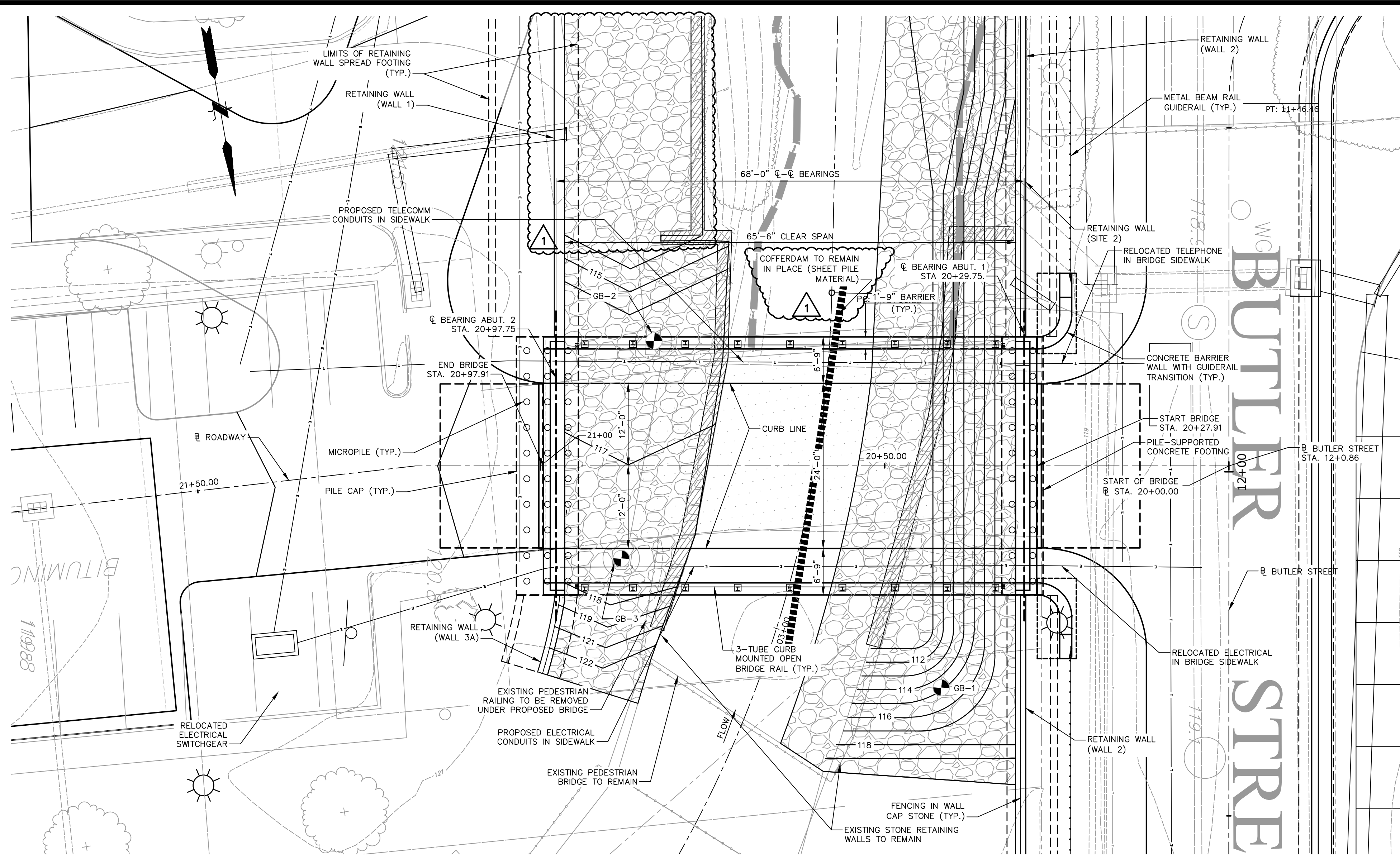
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 GRAPHIC SCALE

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CITY OF MERIDEN
 STRUCTURE LOCATION PLAN
 PHASE 1
 BRIDGE REPLACEMENTS AND UTILITY IMPROVEMENTS
 BUTLER STREET AND HANOVER STREET
 MERIDEN CONNECTICUT

PROJ. No.: 20170932C11
 DATE: FEBRUARY 27, 2024
SA-101

File Path: J:\DWG\2017\0932\C11\Structural\Plan\20170932C11_03_BUTLER PLAN.dwg Layout: SA-201-PH1 Plotted: Wed, May 15, 2024 - 2:44 PM User: jacob.later
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LEGEND:
 ● BORING LOCATION

GENERAL NOTES:
 SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 818 (2020), SUPPLEMENTAL SPECIFICATIONS DATED JULY 2022 AND SPECIAL PROVISIONS.
 DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (9TH EDITION - 2020), AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL (2003).

MATERIAL STRENGTHS:
 CONCRETE:
 CLASS PCC 03340 $f_c = 3,000$ PSI
 CLASS PCC 04460 $f_c = 4,000$ PSI
 CLASS PCC 04462 $f_c = 4,000$ PSI

THE SPECIFIED CONCRETE STRENGTH USED IN DESIGN, f_c , OF THE CONCRETE COMPONENTS IS NOTED ABOVE. THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE IN THE CONSTRUCTED COMPONENTS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 6.01 CONCRETE FOR STRUCTURES.

REINFORCEMENT
 (ASTM A615 GRADE 60) $F_y = 60,000$ PSI

LIVE LOAD: HL-93, LEGAL AND PERMIT VEHICLES

FUTURE PAVING ALLOWANCE: NONE

BITUMINOUS CONCRETE OVERLAY: THIS SHALL CONSIST OF TWO COURSES OF TRAFFIC LEVEL 2 MIXES. THE BOTTOM COURSE SHALL BE HOT MIX ASPHALT (HMA S0.25) AND SHALL BE 1". THE TOP COURSE SHALL BE HOT MIX ASPHALT (2" HMA S0.5).

DIMENSIONS: WHEN DIMENSIONS ARE GIVEN TO LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE ASSUMED TO BE ZEROS.

EXISTING DIMENSIONS: DIMENSIONS OF THE EXISTING STRUCTURE SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THEY HAVE BEEN TAKEN FROM THE ORIGINAL DESIGN DRAWINGS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL FIELD MEASUREMENTS NECESSARY TO ASSURE PROPER FIT OF THE FINISHED WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENTS ARE SUBMITTED FOR REVIEW, THE FIELD MEASUREMENTS SHALL ALSO BE SUBMITTED FOR REFERENCE BY THE REVIEWER.

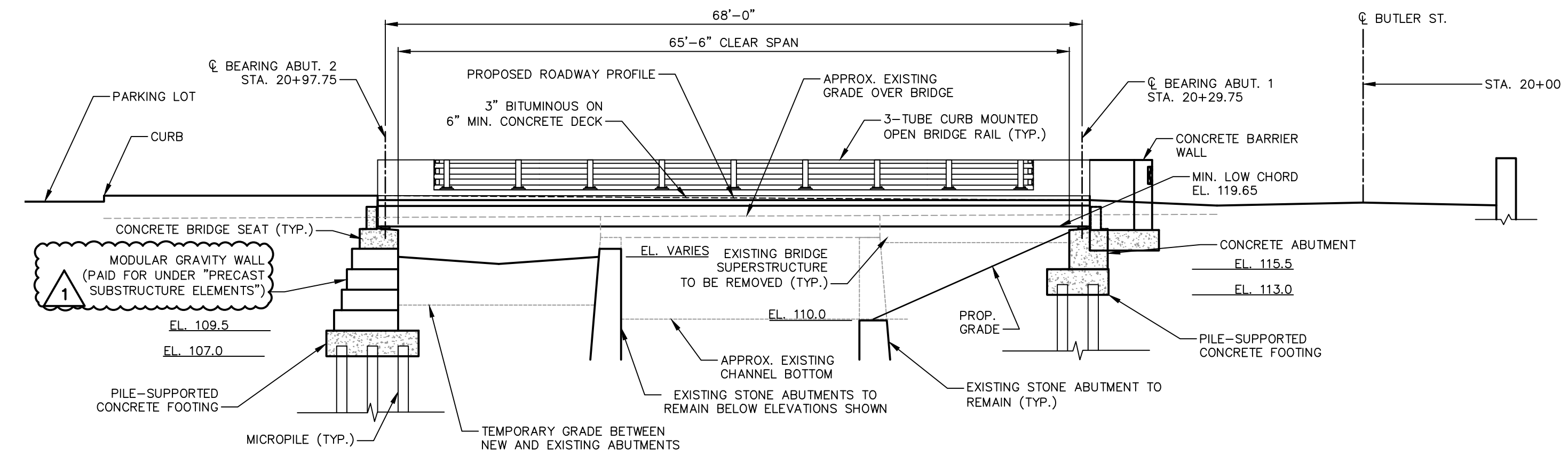
MASH TEST LEVEL: THE 3 TUBE CURB MOUNTED MEETS THE TL-4 CRITERIA FOR MASH 2016.

CONCRETE NOTES:
 REMAIN-IN-PLACE FORMS: THE USE OF REMAIN-IN-PLACE FORMS ON THIS STRUCTURE IS NOT ALLOWED.
 PENETRATING SEALER: PENETRATING SEALER PROTECTIVE COMPOUND SHALL BE APPLIED TO ALL EXPOSED SURFACES, INCLUDING CURBS, SEE SPECIAL PROVISIONS.
 EXPOSED EDGES: EXPOSED EDGES OF CONCRETE SHALL BE BEVELED 1" X 1" UNLESS DIMENSIONED OTHERWISE.
 CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE TWO INCHES COVER UNLESS DIMENSIONED OTHERWISE.
 REINFORCEMENT: ALL REINFORCEMENT SHALL BE ASTM A615 GRADE 60.
 GALVANIZED REINFORCING BARS: ALL REINFORCEMENT SHALL BE GALVANIZED AFTER FABRICATION UNLESS NOTED OTHERWISE. ALL REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM A767, CLASS 1, INCLUDING SUPPLEMENTAL REQUIREMENTS. THE COST OF FURNISHING AND PLACING THIS REINFORCEMENT SHALL BE INCLUDED IN THE ITEM "DEFORMED STEEL BARS - GALVANIZED".
 CONSTRUCTION JOINTS: CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLANS WILL NOT BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

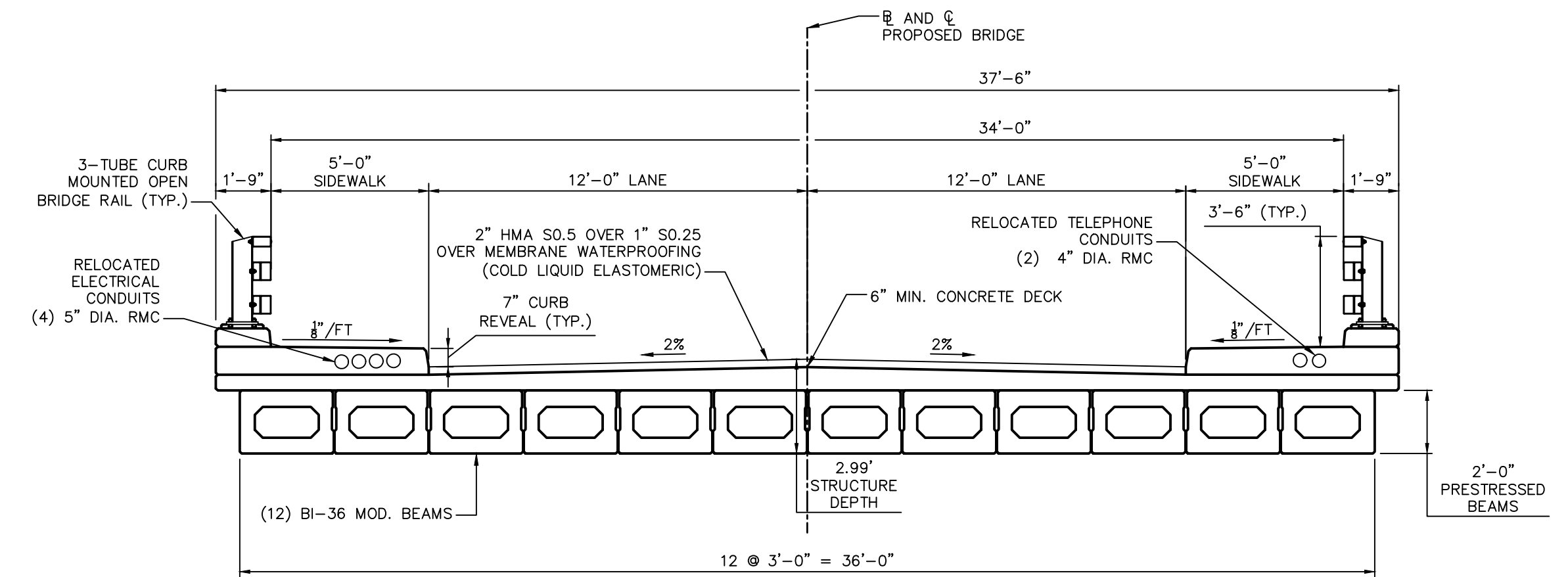
PRECAST CONCRETE NOTES:
 THE CONTRACTOR SHALL MANUFACTURE AND CONSTRUCT PRESTRESSED DECK UNITS IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR "PRESTRESSED DECK UNITS" TO THE INSIDE DIMENSIONS, LENGTH AND DETAILS SHOWN ON THESE PLANS.
 ALL INSERTS OR HOLES CAST INTO THE DECK UNITS FOR THE SOLE PURPOSE OF HANDLING AND SETTING THE UNITS SHALL BE SEALED WITH GROUT TO A SMOOTH FINISH UPON COMPLETION OF THE WORK.
 THE COST OF FURNISHING AND INSTALLING THE INSERTS SHALL BE INCLUDED IN THE ITEM "PRESTRESSED DECK UNIT" CORRESPONDING TO EACH SIZE. ALL INSERTS SHALL HAVE A CORROSIVE RESISTANT COATING.
 ALL REINFORCEMENT TO HAVE 2" COVER UNLESS OTHERWISE NOTED.

LEGEND:
 ▨ EXISTING WALL REMOVAL (PAID FOR UNDER REMOVAL OF EXISTING MASONRY)

PLAN
 1" = 10'-0"



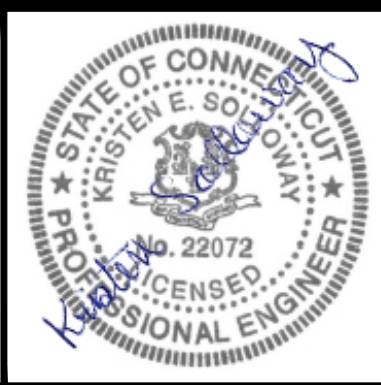
ELEVATION
 1" = 10'-0"



SECTION LOOKING UPSTATION
 1" = 4'-0"

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	JT	DW

SEAL



SCALE:
 HORZ.: AS NOTED
 VERT.: AS NOTED

DATUM:
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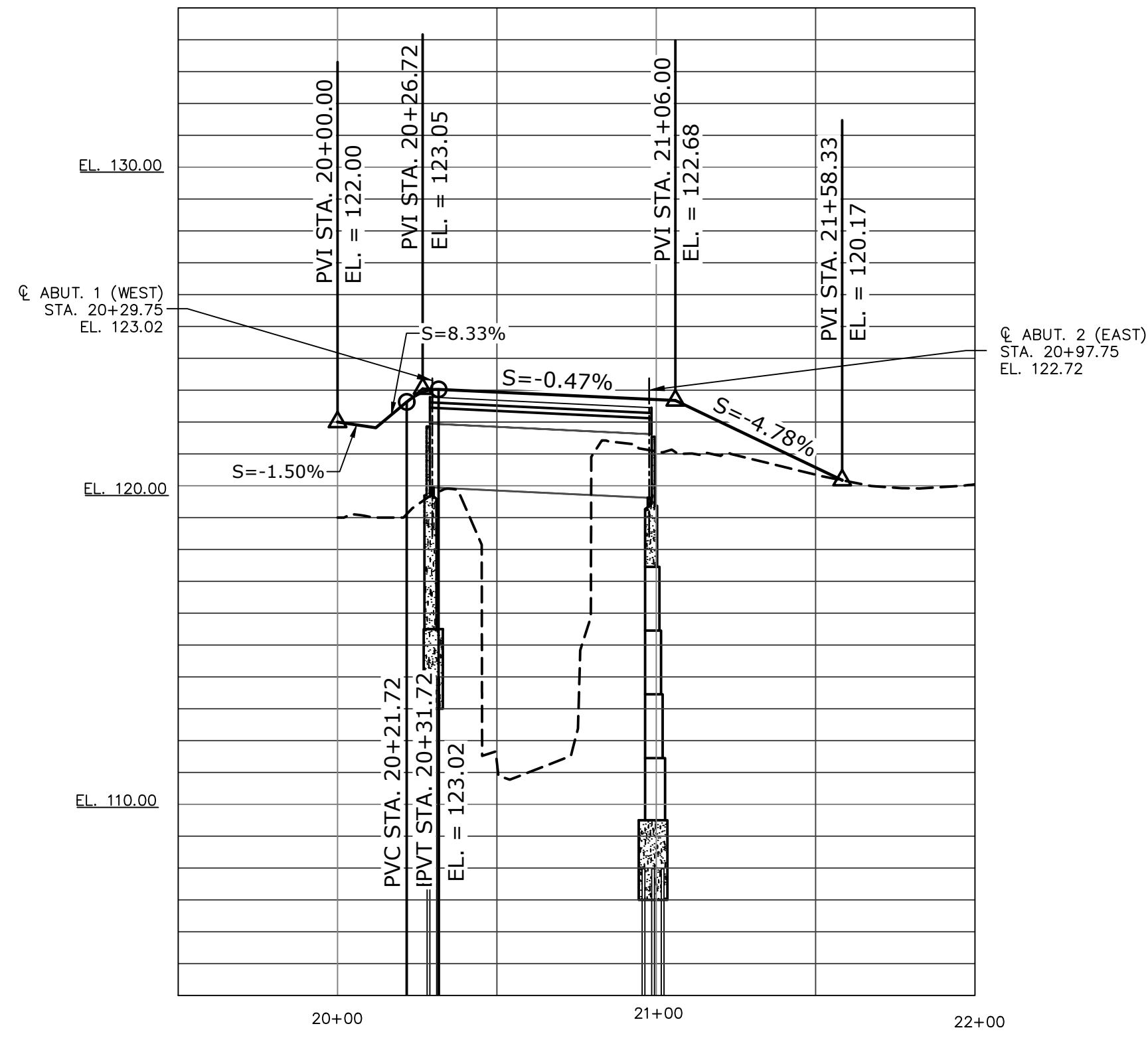
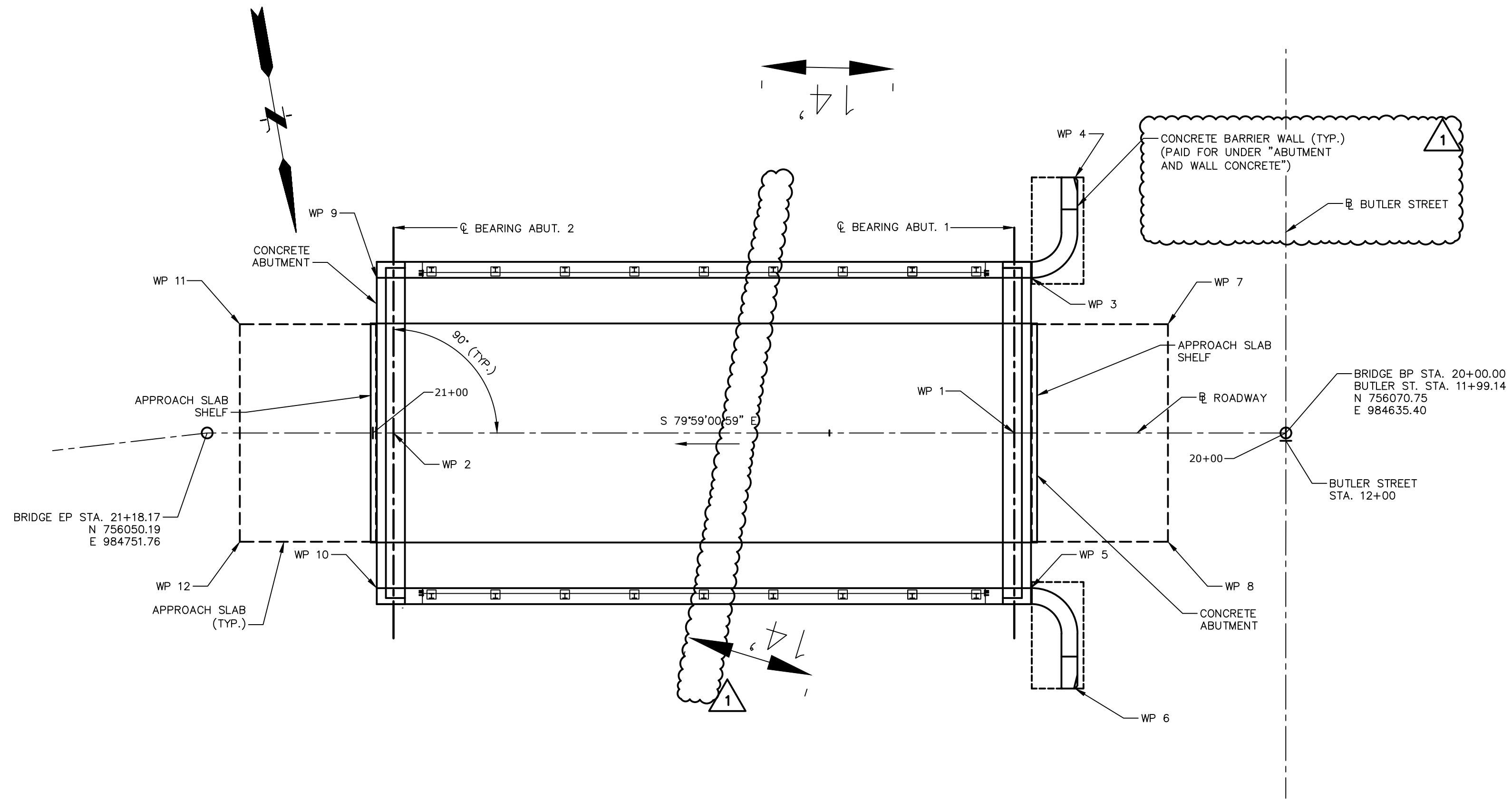
GRAPHIC SCALE

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CITY OF MERIDEN
**BUTLER STREET BRIDGE
 GENERAL PLAN & ELEVATION**
 BRIDGE REPLACEMENTS AND UTILITY IMPROVEMENTS
 BUTLER STREET AND HANOVER STREET
 MERIDEN CONNECTICUT

PROJ. No.: 20170932.C11
 DATE: FEBRUARY 27, 2024
SA-201

File Path: J:\DWG\2017\0932\C11\Structural\Plan\20170932C11_03_BUTLER PLAN.dwg Layout: SA-202-PH1 Plotted: Wed, May 15, 2024 - 2:44 PM User: jacob.later
 PLOTTER: AUTOCAD PDF (GENERAL DOCUMENTATION) PC3 CTB File: FO.STB
 LAYER STATE:



WP #	COORDINATES		STATION	OFFSET
	NORTHING	EASTING		
1	756065.572	984664.691	20+29.75	0.00
2	756053.744	984731.655	20+97.75	0.00
3	756049.150	984659.929	20+27.91	17.00
4	756039.159	984653.256	20+23.08	28.00
5	756082.632	984665.843	20+27.91	-17.00
6	756094.304	984662.996	20+23.08	-28.00
7	756056.765	984646.042	20+12.91	11.92
8	756080.235	984650.187	20+12.91	-11.92
9	756036.685	984730.503	20+99.58	17.00
10	756070.166	984736.417	20+99.58	-17.00
11	756039.082	984746.159	21+14.58	11.92
12	756062.552	984750.304	21+14.58	-11.92

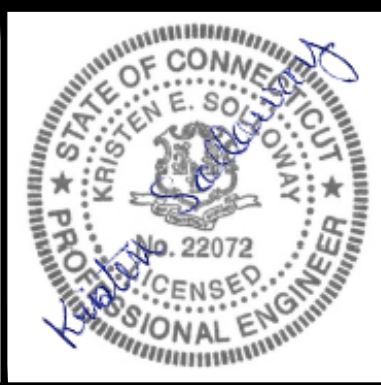
CONCRETE DISTRIBUTION		
SUPERSTRUCTURE (NOT INCLUDING PARAPETS)	C.Y.	98
SUBSTRUCTURE	C.Y.	44
APPROACH SLAB	C.Y.	39
FOOTINGS	C.Y.	105
TOTAL	C.Y.	286

ITEM	BRIDGE COMPONENTS	PCC CLASS
FOOTING CONCRETE	ABUTMENT AND WINGWALL FOOTINGS	PCC03340
ABUTMENT AND WALL CONCRETE	ABUTMENT AND WINGWALL STEMS, KEEPER BLOCKS, CHEEKWALLS & BARRIER WALLS	PCC03340
BRIDGE DECK CONCRETE	BRIDGE DECK	PCC04462
PARAPET CONCRETE	END BLOCKS AND CURBS	PCC04462
APPROACH SLAB CONC.	APPROACH SLABS	PCC04460

HYDRAULIC SUMMARY DATA		
DRAINAGE AREA (MI ²)	11.2	
DESIGN FREQUENCY (YEAR)	100	
DESIGN DISCHARGE (CFS)	3289	
AVERAGE DAILY FLOW ELEVATION (FT)	UPSTREAM	DOWNSTREAM
	112.7	107.5
DESIGN WATER SURFACE ELEVATION (FT)	UPSTREAM	DOWNSTREAM
	119.2	119.1
MAXIMUM SCOUR ELEVATION (FT)	N/A	
WORST CASE SCOUR SUBSTRUCTURE UNIT	N/A	

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
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SEAL



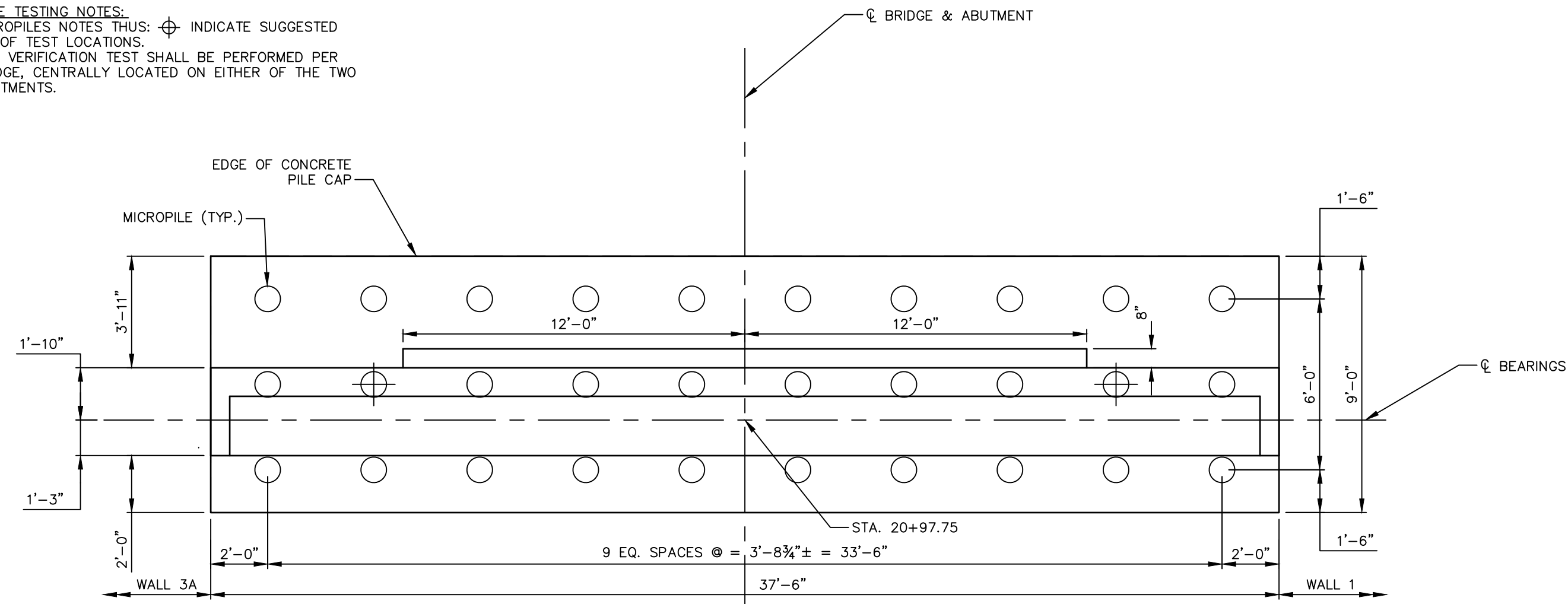
SCALE:
 HORZ.: AS NOTED
 VERT.: AS NOTED
 DATUM:
 HORZ.: NAD 83
 VERT.: NAVD 88
 GRAPHIC SCALE

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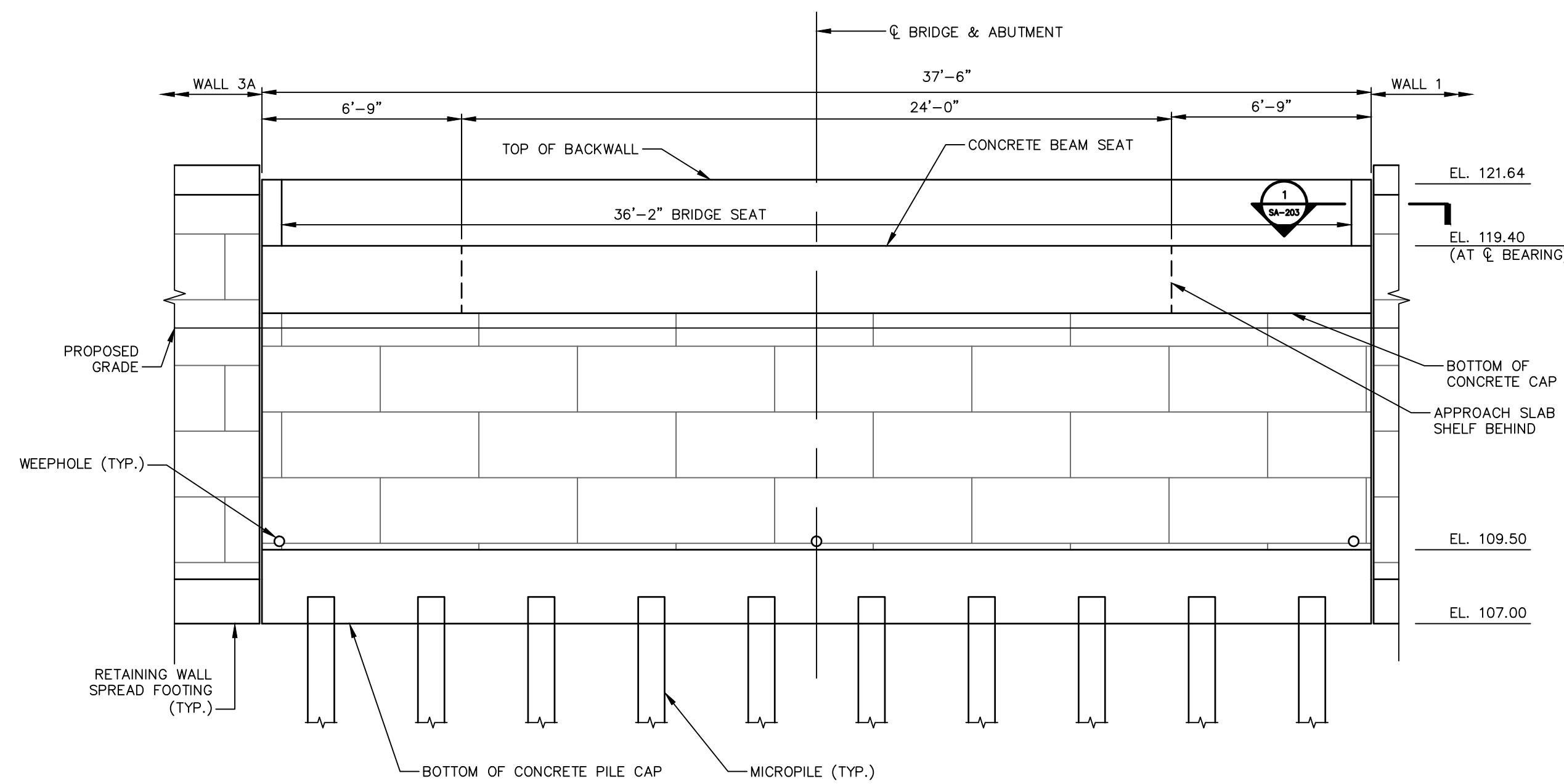
CITY OF MERIDEN
BUTLER STREET BRIDGE LAYOUT PLAN
 BRIDGE REPLACEMENT AND UTILITY IMPROVEMENTS
 BUTLER STREET AND HANOVER STREET
 MERIDEN CONNECTICUT

PROJ. No.: 20170932.C11
 DATE: FEBRUARY 27, 2024
SA-202

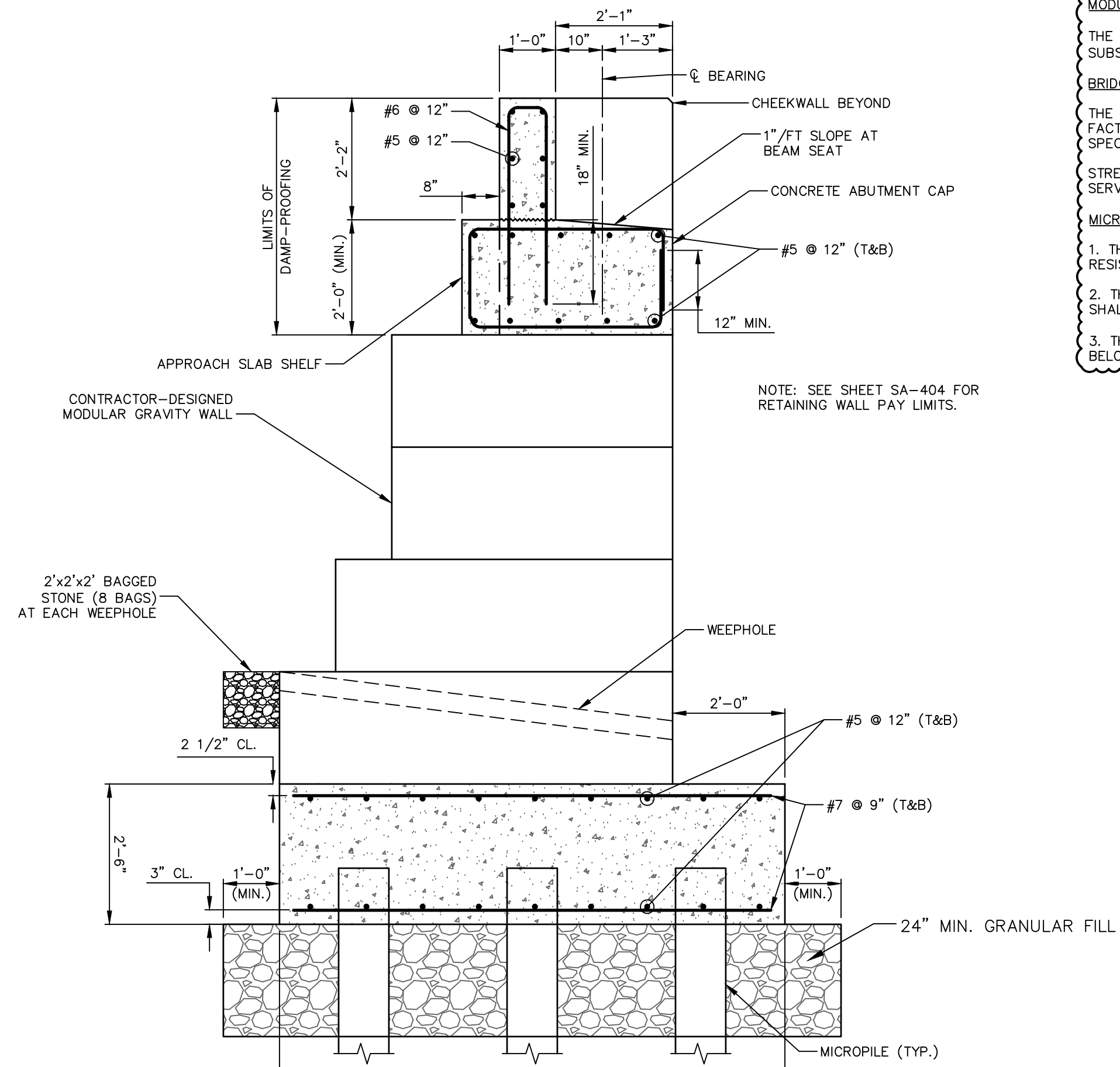
MICROPILE TESTING NOTES:
 1. MICROPILES NOTES THIS: ⊕ INDICATE SUGGESTED PROOF TEST LOCATIONS.
 2. ONE VERIFICATION TEST SHALL BE PERFORMED PER BRIDGE, CENTRALLY LOCATED ON EITHER OF THE TWO ABUTMENTS.



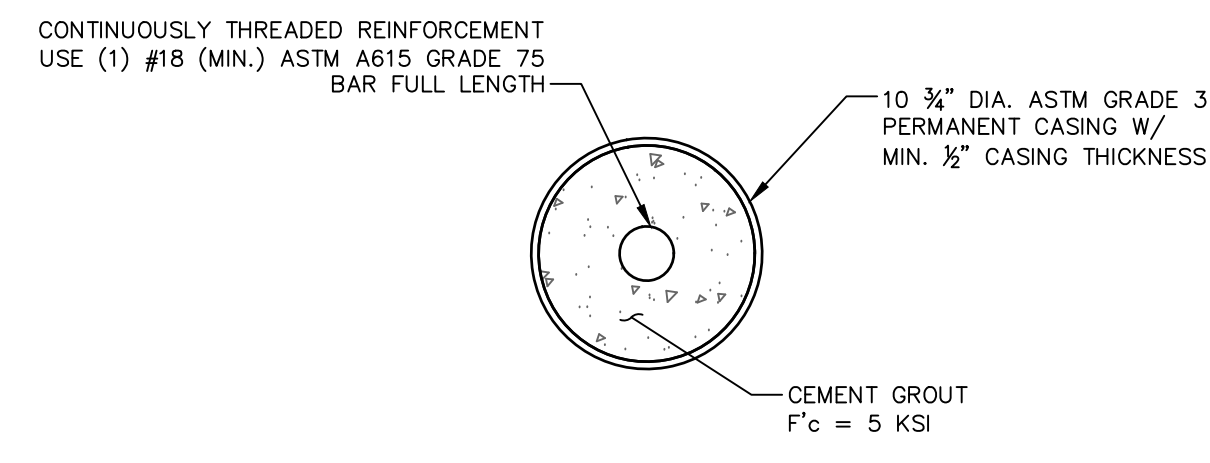
ABUTMENT 2 (EAST) PLAN
 1/4" = 1'-0"



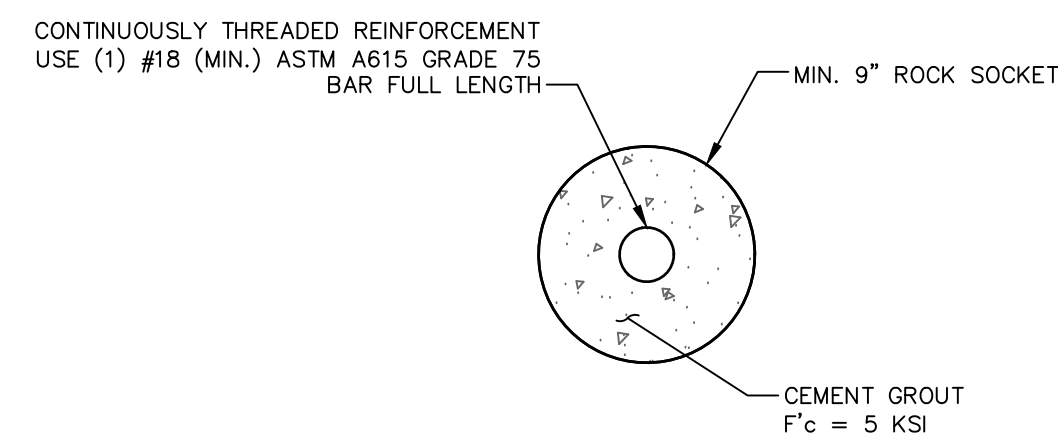
ABUTMENT 2 (EAST) ELEVATION
 1/4" = 1'-0"



TYPICAL SECTION - ABUTMENT 2
 1/2" = 1'-0"



SECTION A
 1 1/2" = 1'-0"

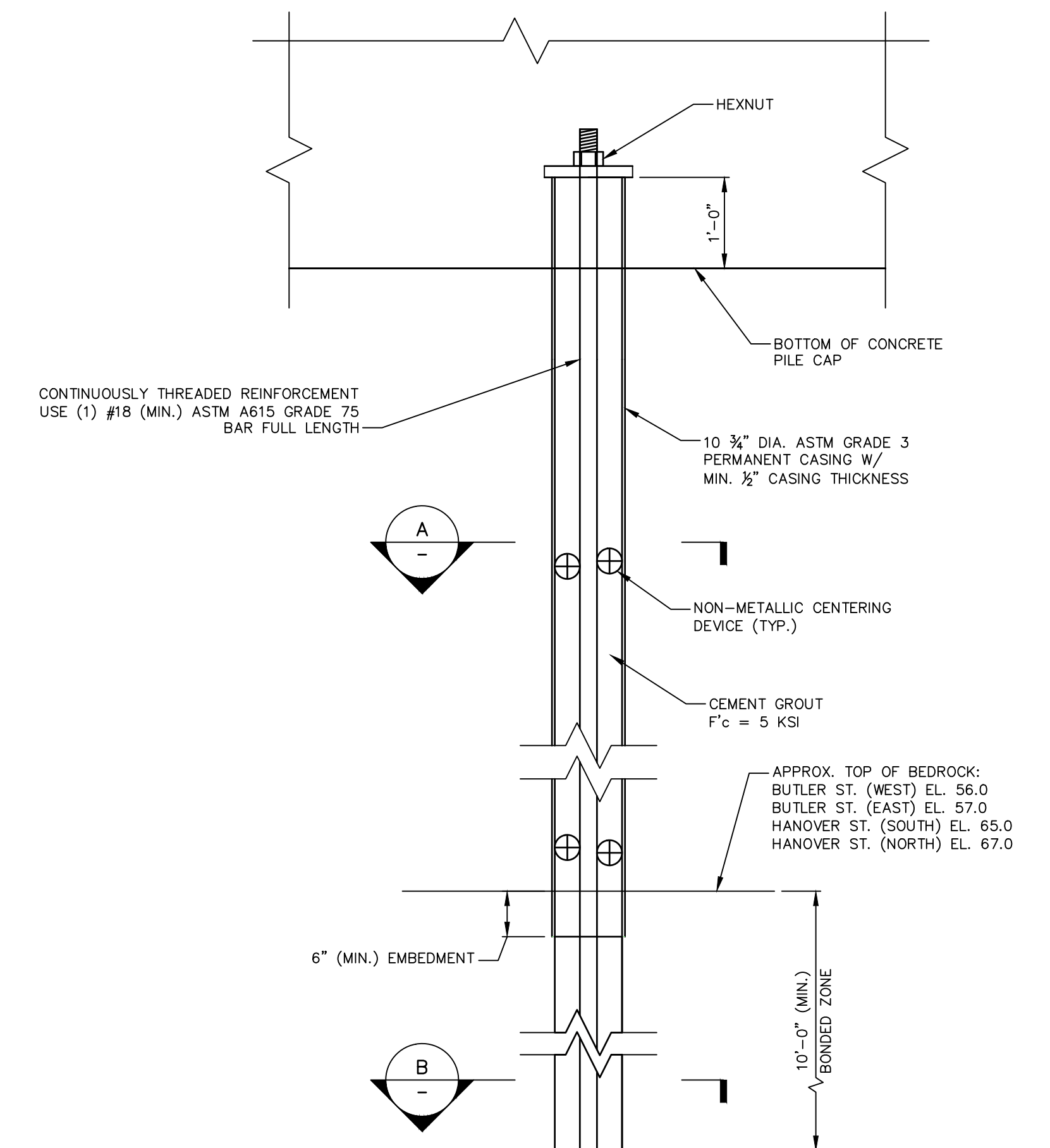


SECTION B
 1 1/2" = 1'-0"

MICROPILE DESIGN TABLE	
ABUTMENT 1	
NOMINAL PILE RESISTANCE	132 KIPS
RESISTANCE FACTOR	0.50
FACTORED PILE RESISTANCE	66 KIPS

MICROPILE DESIGN TABLE	
ABUTMENT 2	
NOMINAL PILE RESISTANCE	192 KIPS
RESISTANCE FACTOR	0.50
FACTORED PILE RESISTANCE	96 KIPS

MODULAR WALL NOTE:
 THE CONTRACTOR-DESIGNED MODULAR WALLS SHALL BE PAID FOR UNDER "PRECAST SUBSTRUCTURE ELEMENTS".
BRIDGE ABUTMENT LOADING:
 THE CONTRACTOR-DESIGNED MODULAR WALLS SHALL BE DESIGNED FOR THE FOLLOWING LOADS, FACTORED IN ACCORDANCE WITH THE LOAD COMBINATIONS IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
 STRENGTH: 24 KLF
 SERVICE: 17 KLF
MICROPILE NOTES:
 1. THE MICROPILE DESIGN PROVIDED ON THESE DRAWINGS IS BASED ON THE LOADS AND RESISTANCES SHOWN IN THE TABLE ABOVE.
 2. THE MICROPILES SHALL BE DESIGNED USING PERMANENT STEEL CASINGS. THE CASINGS SHALL EXTEND INTO BEDROCK.
 3. THE 10 3/4" CASING SHALL BE INSTALLED WITH NO CASING JOINTS WITHIN 10 FEET BELOW THE BOTTOM OF THE PILE CAP.

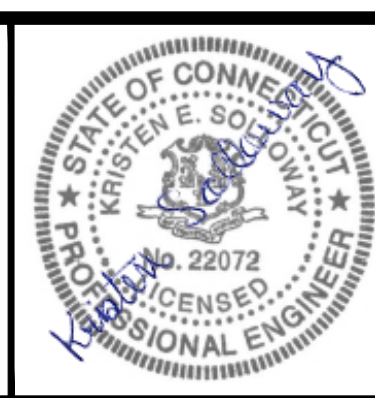


TYPICAL MICROPILE DETAILS
 3/4" = 1'-0"

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 CTB File: FO.STB
 LAYER STATE:

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	JT	DW

SEAL



SCALE:

HORZ.: AS NOTED
VERT.: AS NOTED

DATUM:

HORZ.: NAD 83
VERT.: NAVD 88

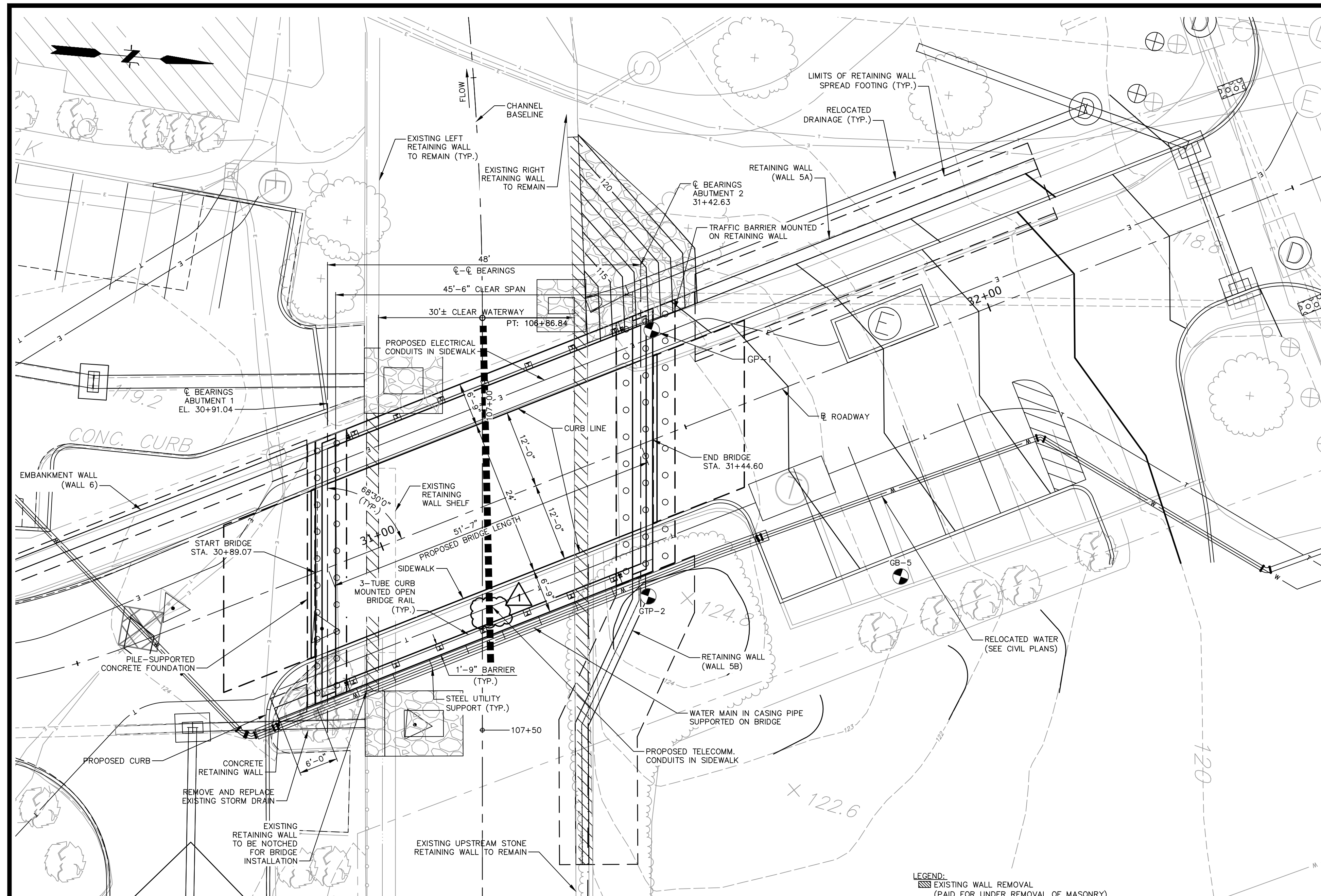
GRAPHIC SCALE

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CITY OF MERIDEN
 BUTLER STREET BRIDGE
 ABUTMENT 2
 BRIDGE REPLACEMENT AND UTILITY IMPROVEMENTS
 BUTLER STREET AND HANOVER STREET
 MERIDEN CONNECTICUT

PROJ. No.: 20170932C11
 DATE: FEBRUARY 27, 2024
SA-204

File Path: J:\DWG\2017\0932\C11\Structural\Plan\20170932C11_04_HANOVER PLAN.dwg Layout: SA-301-PH1 Plotted: Wed, May 15, 2024 - 2:49 PM User: jacob.latar
 PLOTTER: AUTOCAD PDF (GENERAL DOCUMENTATION) PC3 CTB File: FO.STB
 LAYER STATE:



LEGEND:

⊙ BORING LOCATION

GENERAL NOTES:

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 818 (2020), SUPPLEMENTAL SPECIFICATIONS DATED JULY 2022 AND SPECIAL PROVISIONS.
 DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (9TH EDITION - 2020), AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL (2003).

MATERIAL STRENGTHS:
 CONCRETE:
 CLASS PCC 03340 F'C = 3,000 PSI
 CLASS PCC 04462 F'C = 4,000 PSI
 CLASS PCC 04460 F'C = 4,000 PSI

THE SPECIFIED CONCRETE STRENGTH USED IN DESIGN, F'C, OF THE CONCRETE COMPONENTS IS NOTED ABOVE. THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE IN THE CONSTRUCTED COMPONENTS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 6.01 CONCRETE FOR STRUCTURES.

REINFORCEMENT
 (ASTM A615 GRADE 60) F_y = 60,000 PSI

LIVE LOAD: HL-93, LEGAL AND PERMIT VEHICLES

FUTURE PAVING ALLOWANCE: NONE

BITUMINOUS CONCRETE OVERLAY: THIS SHALL CONSIST OF TWO COURSES OF TRAFFIC LEVEL 2 MIXES. THE BOTTOM COURSE SHALL BE HOT MIX ASPHALT (HMA 50.25) AND SHALL BE 1". THE TOP COURSE SHALL BE HOT MIX ASPHALT (2" HMA 50.5).

DIMENSIONS: WHEN DIMENSIONS ARE GIVEN TO LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE ASSUMED TO BE ZEROS.

EXISTING DIMENSIONS: DIMENSIONS OF THE EXISTING STRUCTURE SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THEY HAVE BEEN TAKEN FROM THE ORIGINAL DESIGN DRAWINGS AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL FIELD MEASUREMENTS NECESSARY TO ASSURE PROPER FIT OF THE FINISHED WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENTS ARE SUBMITTED FOR REVIEW, THE FIELD MEASUREMENTS SHALL ALSO BE SUBMITTED FOR REFERENCE BY THE REVIEWER.

MASH TEST LEVEL: THE 3 TUBE CURB MOUNTED MEETS THE TL-4 CRITERIA FOR MASH 2016.

CONCRETE NOTES:

REMAIN-IN-PLACE FORMS: THE USE OF REMAIN-IN-PLACE FORMS ON THIS STRUCTURE IS NOT ALLOWED.

PENETRATING SEALER: PENETRATING SEALER PROTECTIVE COMPOUND SHALL BE APPLIED TO ALL EXPOSED SURFACES, INCLUDING CURBS, SEE SPECIAL PROVISIONS.

EXPOSED EDGES: EXPOSED EDGES OF CONCRETE SHALL BE BEVELED 1" X 1" UNLESS DIMENSIONED OTHERWISE.

CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE TWO INCHES COVER UNLESS DIMENSIONED OTHERWISE.

REINFORCEMENT: ALL REINFORCEMENT SHALL BE ASTM A615 GRADE 60.

GALVANIZED REINFORCING BARS: ALL REINFORCEMENT SHALL BE GALVANIZED AFTER FABRICATION UNLESS NOTED OTHERWISE. ALL REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM A767, CLASS 1, INCLUDING SUPPLEMENTAL REQUIREMENTS. THE COST OF FURNISHING AND PLACING THIS REINFORCEMENT SHALL BE INCLUDED IN THE ITEM "DEFORMED STEEL BARS - GALVANIZED."

CONSTRUCTION JOINTS: CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLANS WILL NOT BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

PRECAST CONCRETE NOTES:

THE CONTRACTOR SHALL MANUFACTURE AND CONSTRUCT PRESTRESSED DECK UNITS IN ACCORDANCE WITH THE SPECIAL PROVISIONS FOR "PRESTRESSED DECK UNITS" TO THE INSIDE DIMENSIONS, LENGTH AND DETAILS SHOWN ON THESE PLANS.

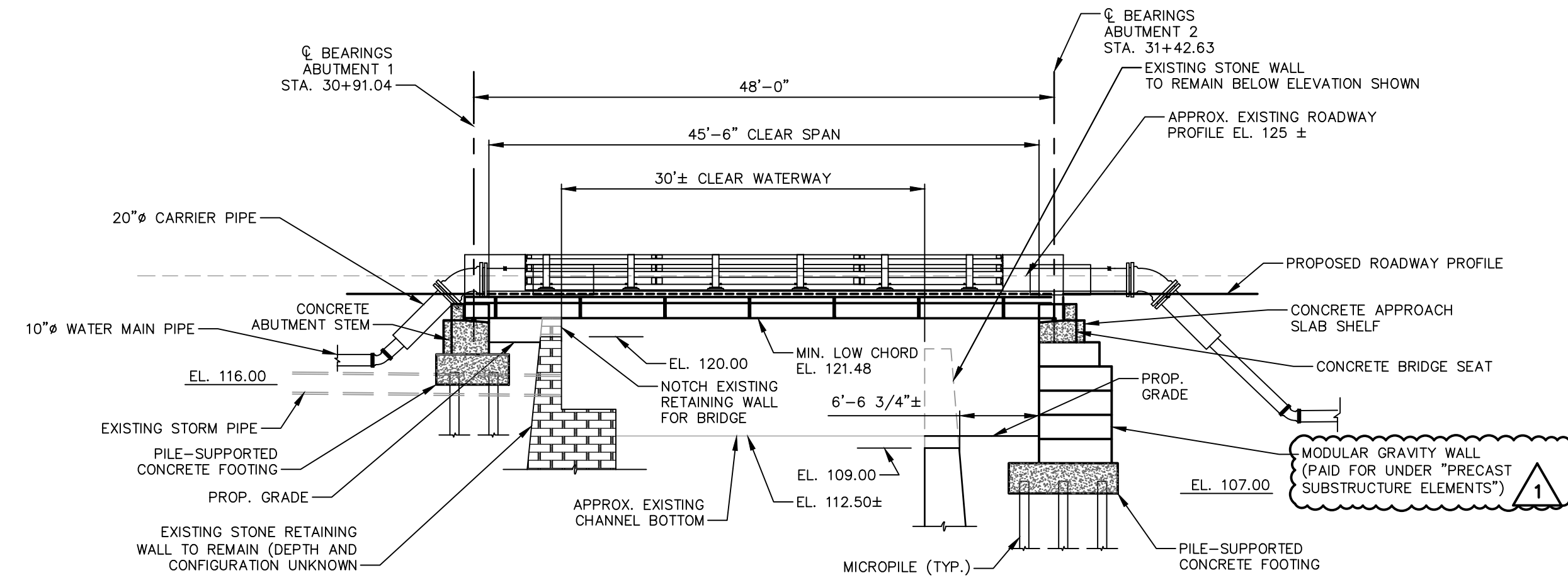
ALL INSERTS OR HOLES CAST INTO THE DECK UNITS FOR THE SOLE PURPOSE OF HANDLING AND SETTING THE UNITS SHALL BE SEALED WITH GROUT TO A SMOOTH FINISH UPON COMPLETION OF THE WORK.

THE COST OF FURNISHING AND INSTALLING THE INSERTS SHALL BE INCLUDED IN THE ITEM "PRESTRESSED DECK UNIT" CORRESPONDING TO EACH SIZE. ALL INSERTS SHALL HAVE A CORROSIVE RESISTANT COATING.

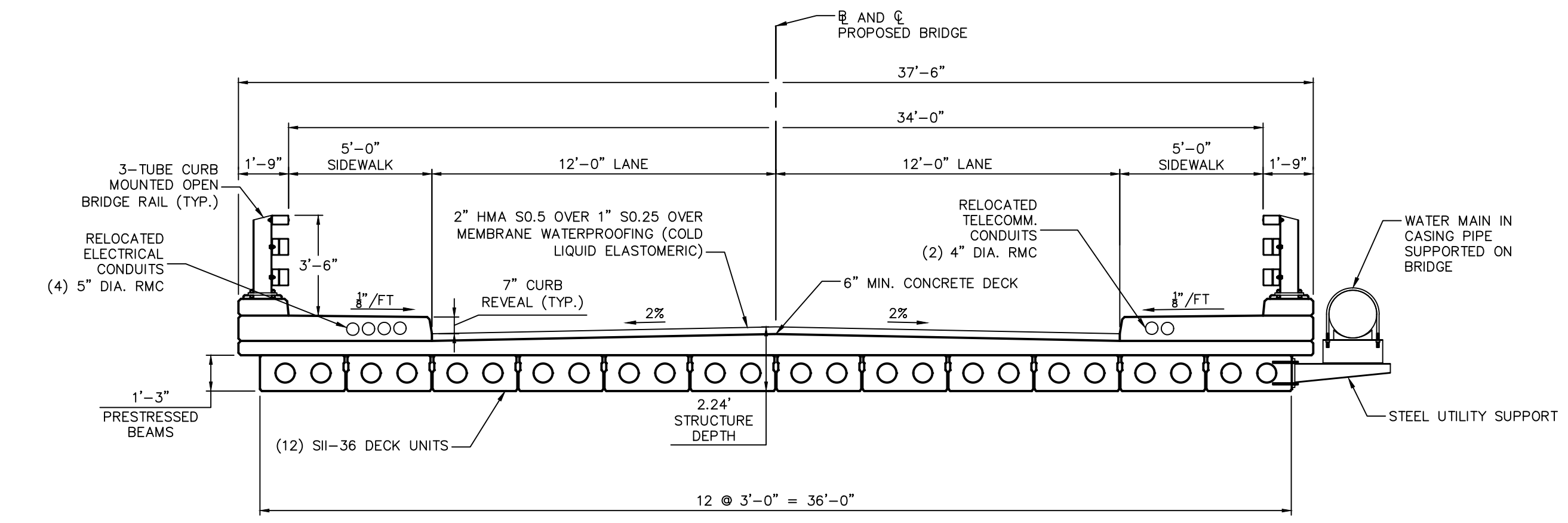
ALL REINFORCEMENT TO HAVE 2" COVER UNLESS OTHERWISE NOTED.

LEGEND:
 --- EXISTING WALL REMOVAL
 (PAID FOR UNDER REMOVAL OF MASONRY)

PLAN
 1" = 10'-0"



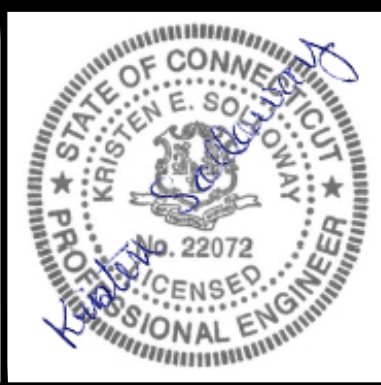
ELEVATION
 1" = 10'-0"



SECTION LOOKING UPSTAM
 1" = 4'-0"

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	JT	DW

SEAL



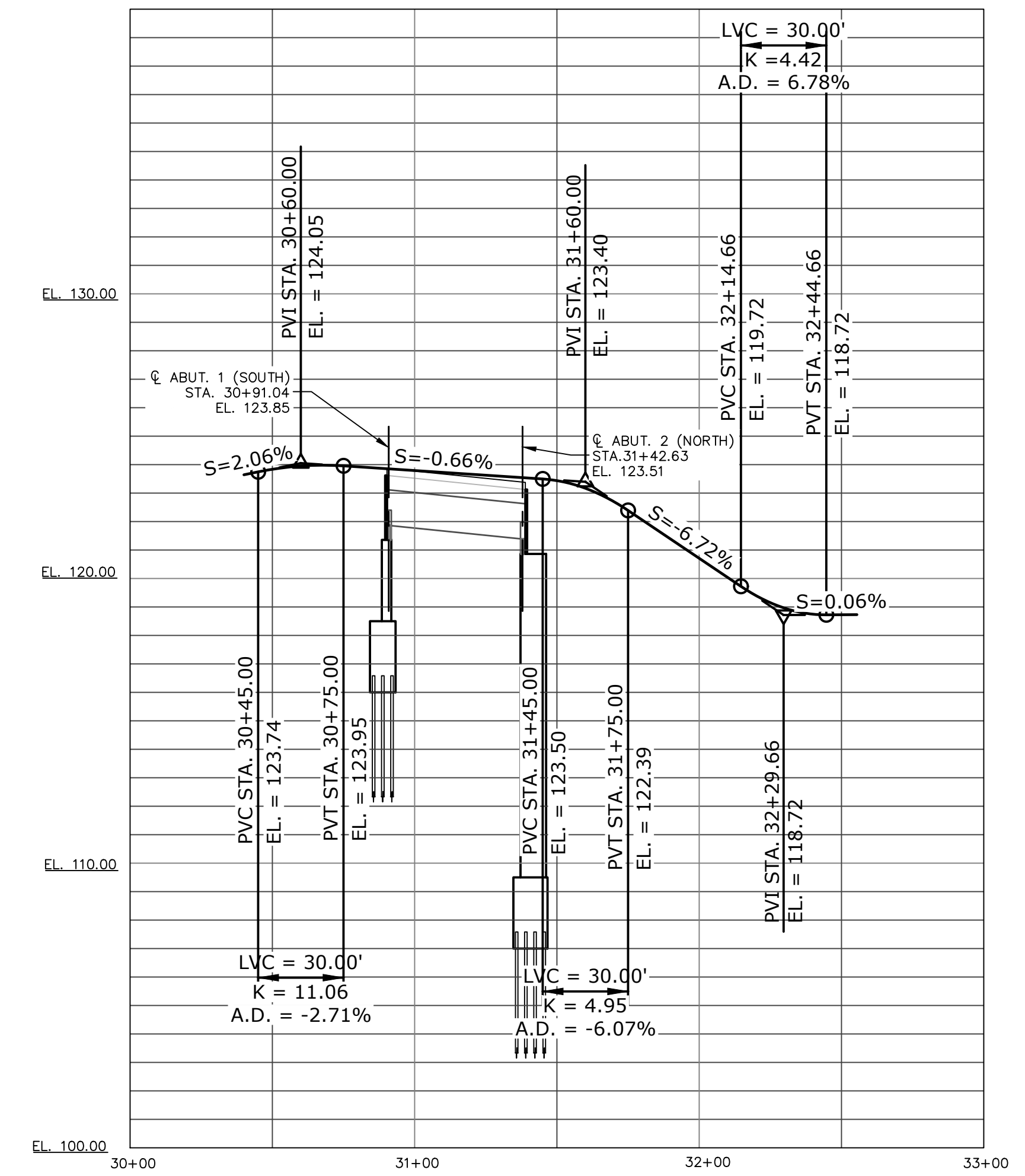
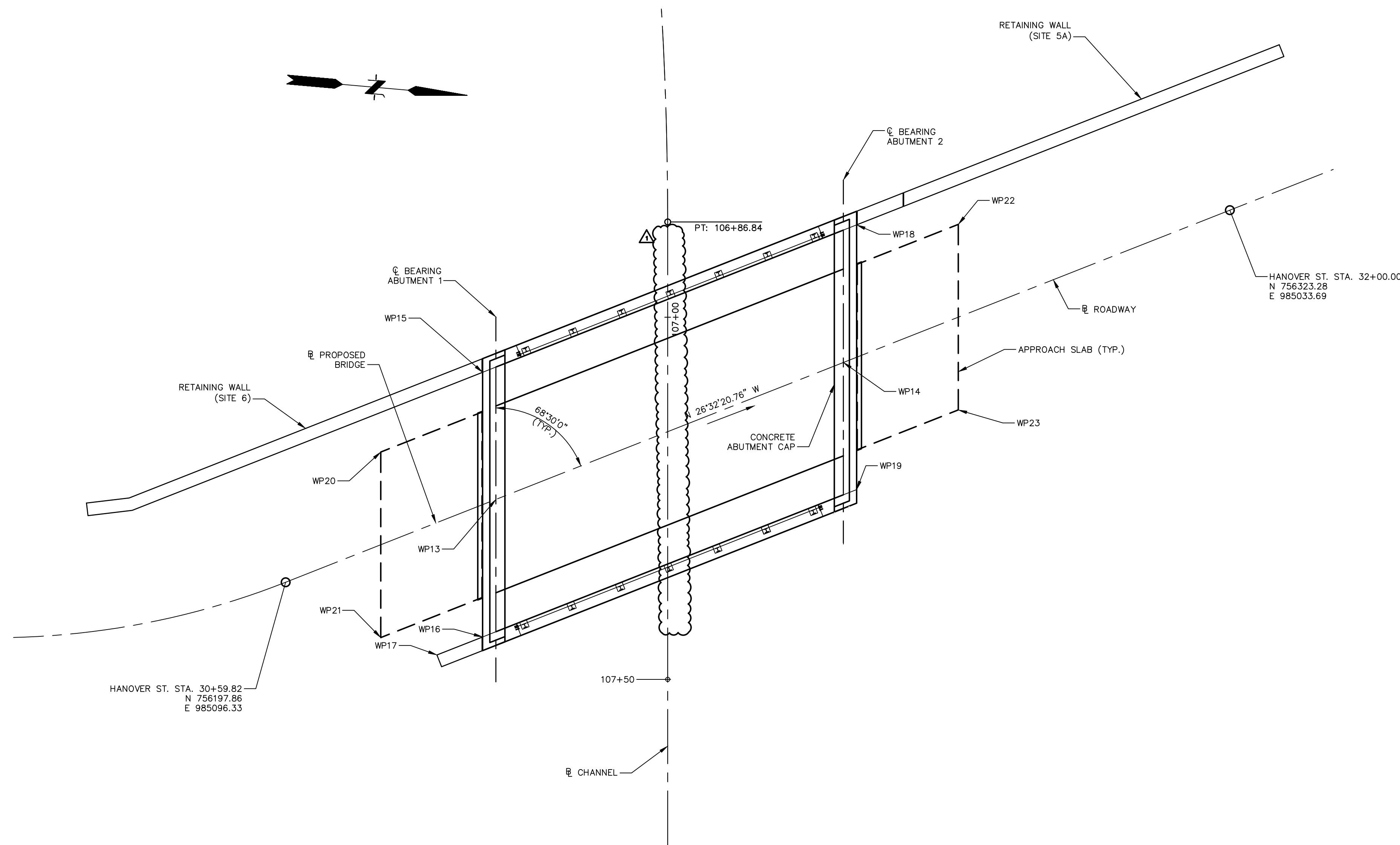
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 GRAPHIC SCALE

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CITY OF MERIDEN
**HANOVER STREET BRIDGE
 GENERAL PLAN & ELEVATION**
 BRIDGE REPLACEMENTS AND UTILITY IMPROVEMENTS
 BUTLER STREET AND HANOVER STREET
 MERIDEN CONNECTICUT

PROJ. No.: 20170932.C11
 DATE: FEBRUARY 27, 2024
SA-301

File Path: J:\DWG\2017\0932\C11\Structural\Plan\20170932C11_04_HANOVER PLAN.dwg Layout: SA-302-PH1 Plotted: Wed, May 15, 2024 - 2:49 PM User: jacob.latar
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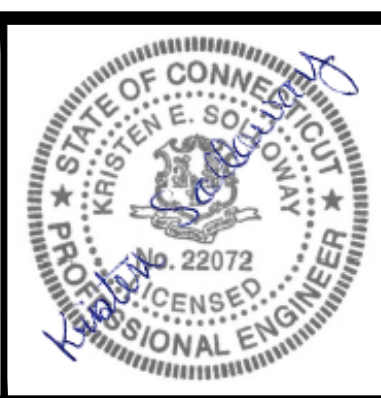
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	NORTHING	EASTING		
13	756218.199	985067.166	30+91.04	0.00
14	756271.949	985059.324	31+42.63	0.00
15	756222.427	985065.053	30+95.76	-17.00
16	756225.637	985101.456	30+82.37	17.00
17	756219.573	985104.485	30+75.59	17.00
18	756272.107	985040.242	31+51.29	-17.00
19	756275.317	985076.645	31+37.90	17.00
20	756209.380	985077.255	30+78.64	-11.91
21	756211.630	985102.772	30+69.25	11.92
22	756286.086	985038.943	31+64.38	-11.92
23	756288.336	985064.460	31+54.99	11.92

ITEM	BRIDGE COMPONENTS	PCC CLASS
FOOTING CONCRETE	ABUTMENT AND WINGWALL FOOTINGS	PCC03340
ABUTMENT AND WALL CONCRETE	ABUTMENT AND WINGWALL STEMS KEEPER BLOCKS, CHEEKWALLS, BARRIER WALLS	PCC03340
BRIDGE DECK CONCRETE	BRIDGE DECK	PCC04462
PARAPET CONCRETE	END BLOCKS AND CURBS	PCC04462
APPROACH SLAB CONC.	APPROACH SLABS	PCC04460

HYDRAULIC SUMMARY DATA		
DRAINAGE AREA (MI ²)	11.2	
DESIGN FREQUENCY (YEAR)	100	
DESIGN DISCHARGE (CFS)	3289	
AVERAGE DAILY FLOW ELEVATION (FT)	UPSTREAM	DOWNSTREAM
	112.7	107.5
DESIGN WATER SURFACE ELEVATION (FT)	UPSTREAM	DOWNSTREAM
	119.3	119.8
MAXIMUM SCOUR ELEVATION (FT)	N/A	
WORST CASE SCOUR SUBSTRUCTURE UNIT	N/A	

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	JT	DW

SEAL

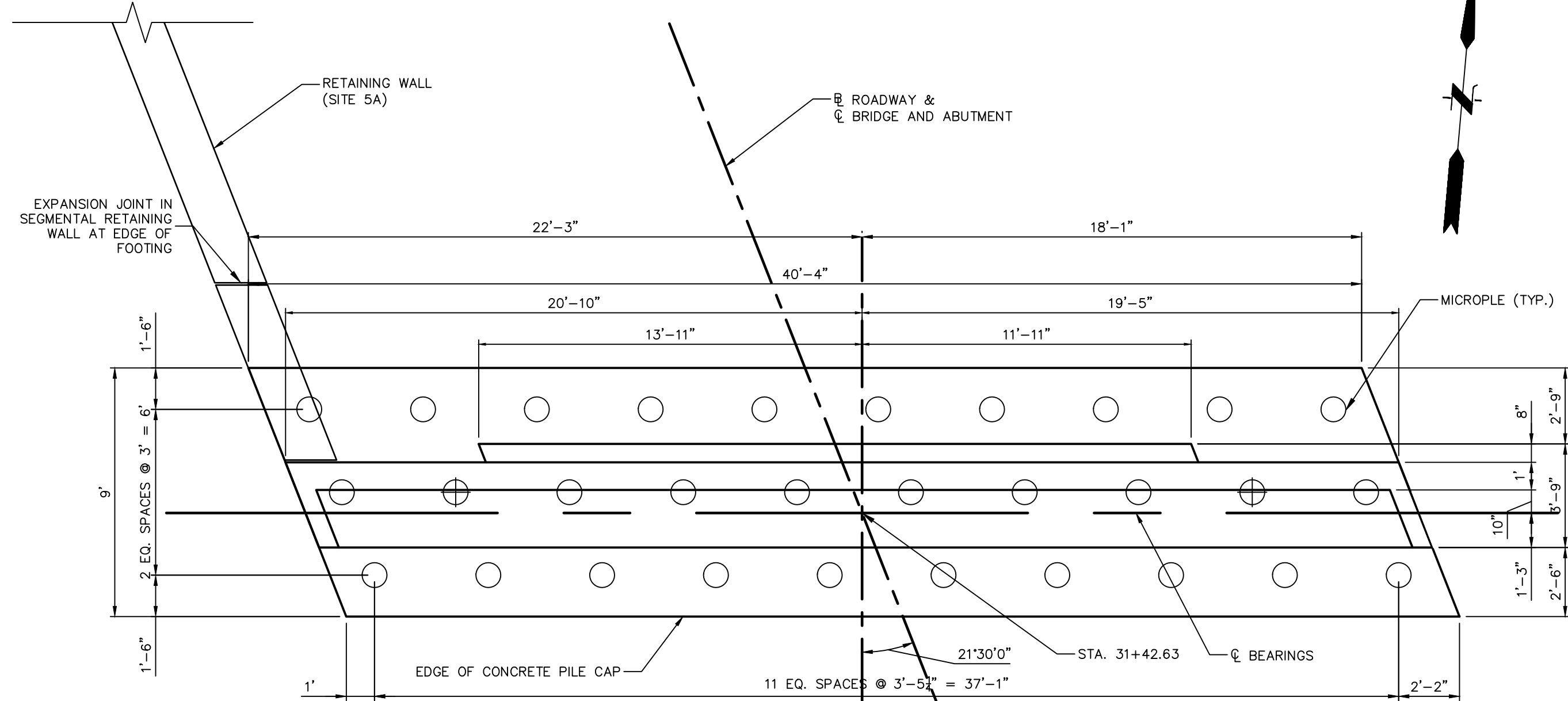


SCALE:
 HORZ.: AS NOTED
 VERT.: AS NOTED
 DATUM:
 HORZ.: NAD 83
 VERT.: NAVD 88
 GRAPHIC SCALE

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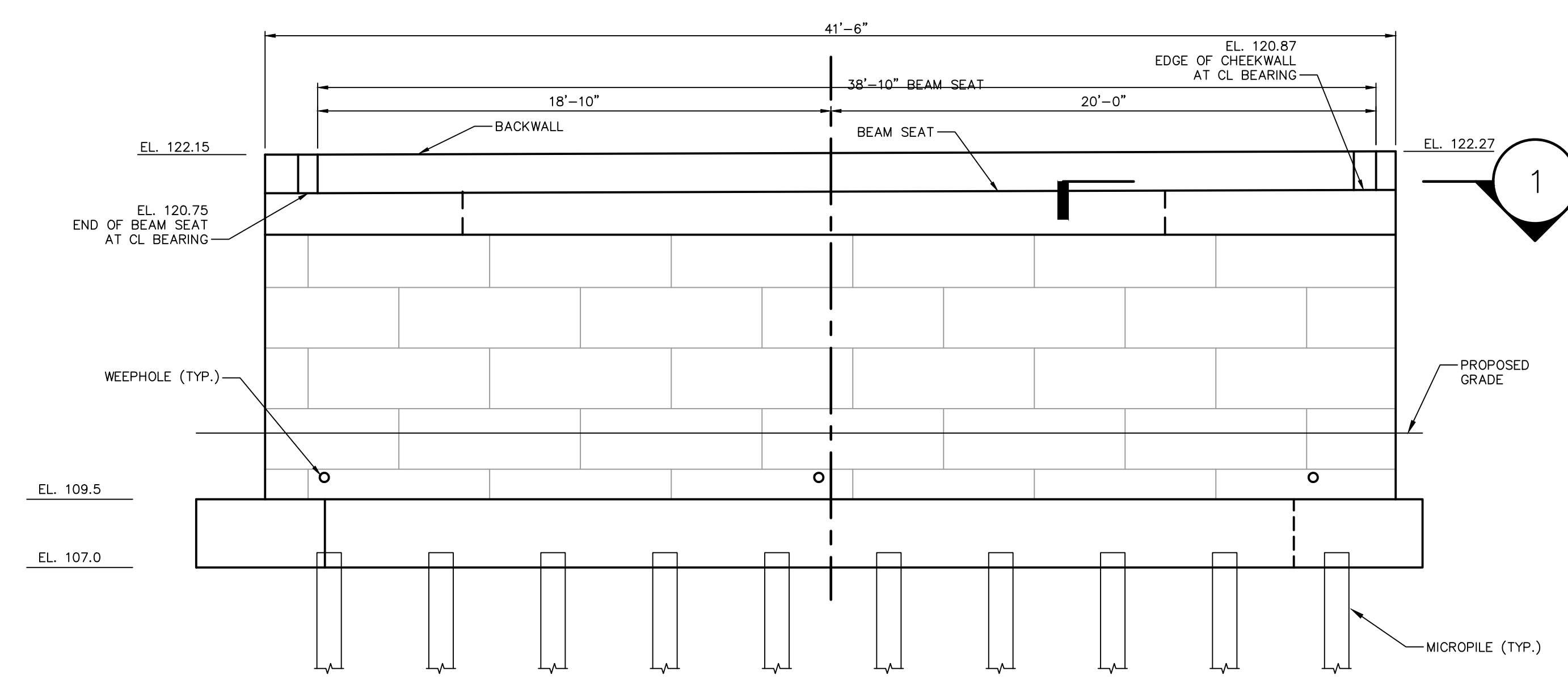
CITY OF MERIDEN
 HANOVER STREET BRIDGE
 LAYOUT PLAN
 BRIDGE REPLACEMENTS AND UTILITY IMPROVEMENTS
 BUTLER STREET AND HANOVER STREET
 MERIDEN CONNECTICUT

PROJ. No.: 20170932.C11
 DATE: FEBRUARY 27, 2024
SA-302



- MICROPILE TESTING NOTES:**
1. MICROPILES NOTED THUS: ⊕ INDICATE SUGGESTED TEST LOCATIONS.
 2. ONE VERIFICATION TEST SHALL BE PERFORMED PER BRIDGE, CENTRALLY LOCATED ON EITHER OF THE TWO ABUTMENTS.

ABUTMENT 2 (NORTH) PLAN
1/4" = 1'-0"

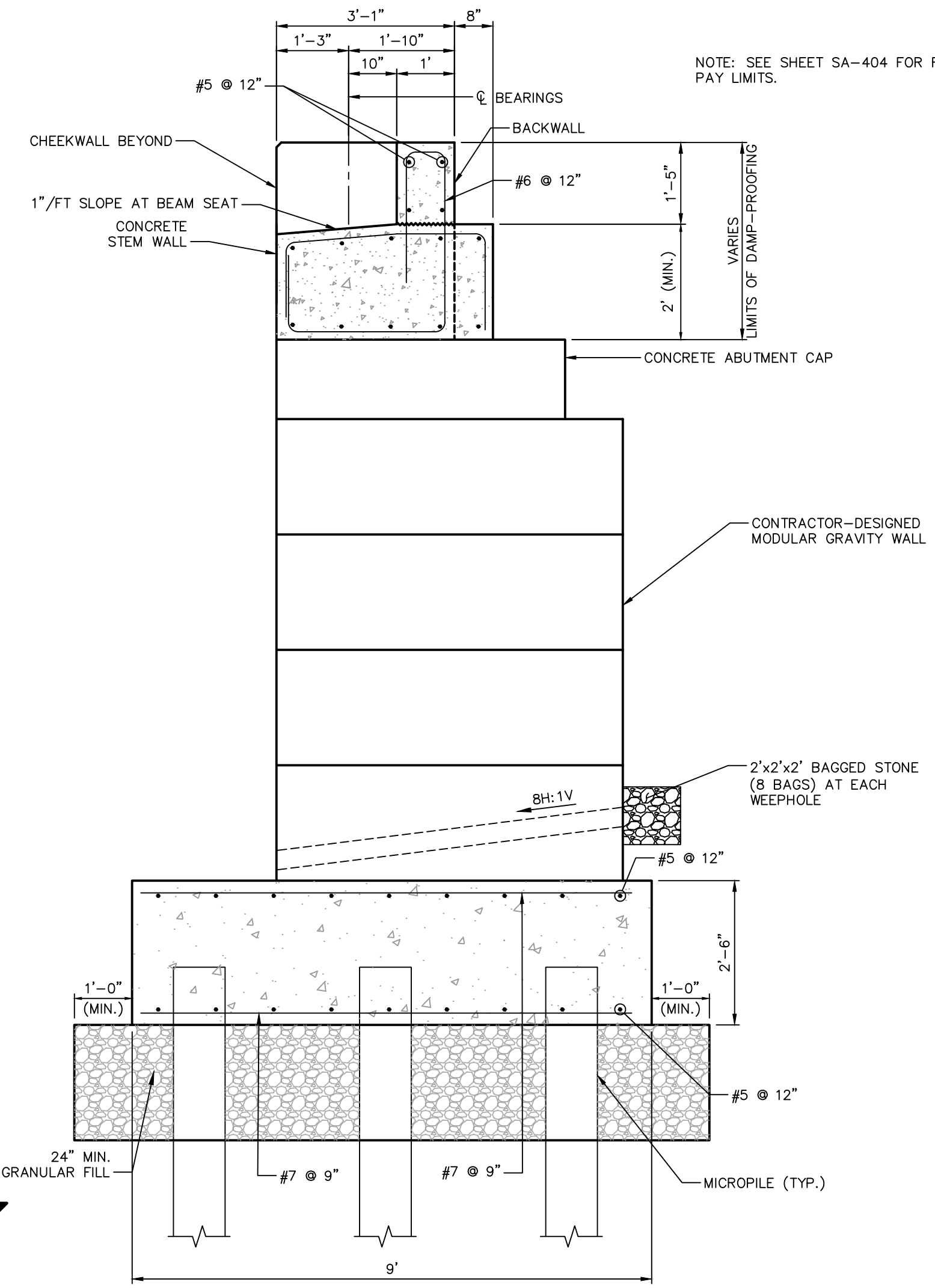


ABUTMENT 2 (NORTH) ELEVATION
1/4" = 1'-0"

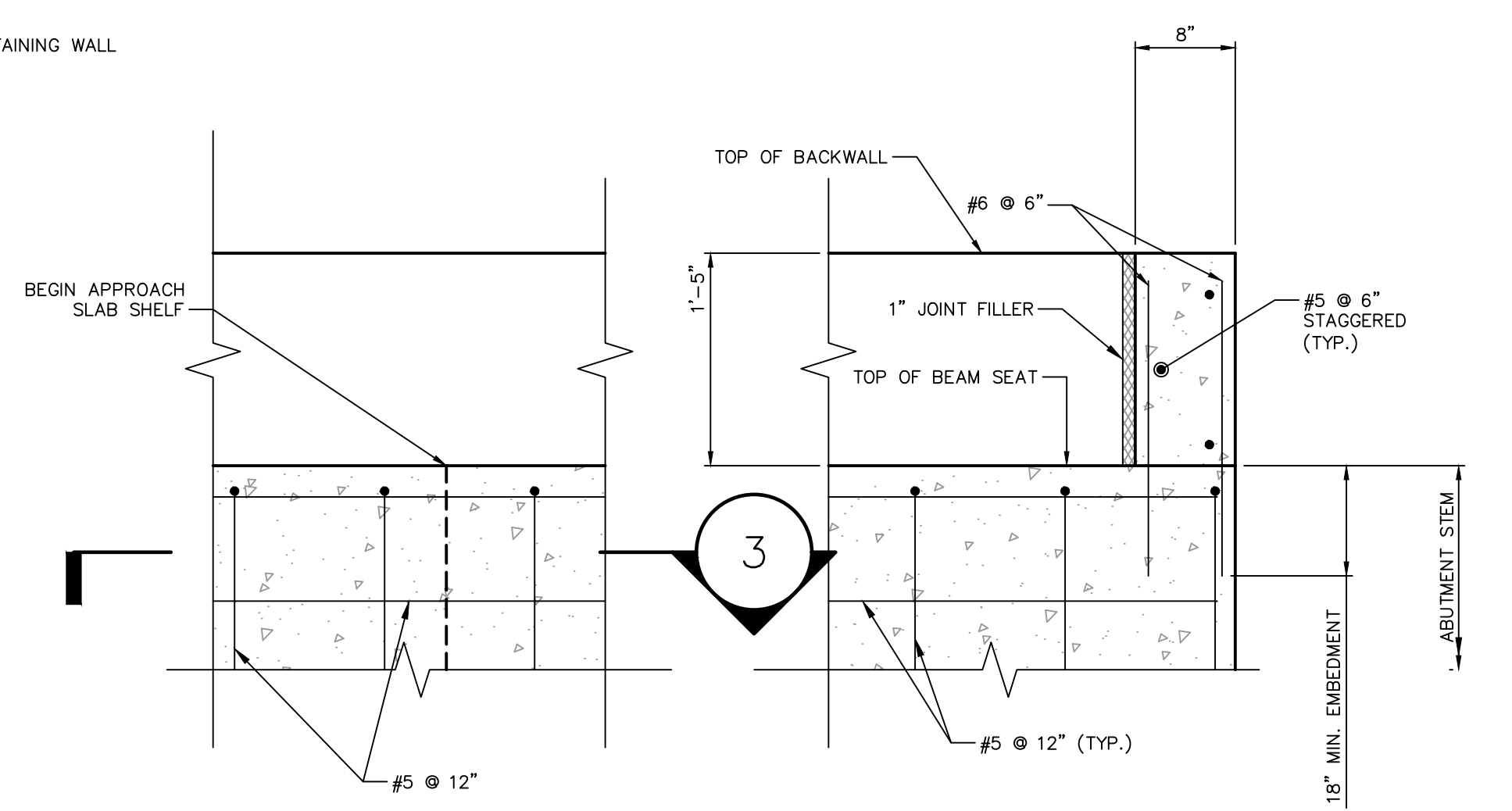
MODULAR WALL NOTE:
THE CONTRACTOR-DESIGNED MODULAR WALLS SHALL BE PAID FOR UNDER "PRECAST SUBSTRUCTURE ELEMENTS".

BRIDGE ABUTMENT LOADING:
THE CONTRACTOR-DESIGNED MODULAR WALLS SHALL BE DESIGNED FOR THE FOLLOWING LOADS, FACTORED IN ACCORDANCE WITH THE LOAD COMBINATIONS IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

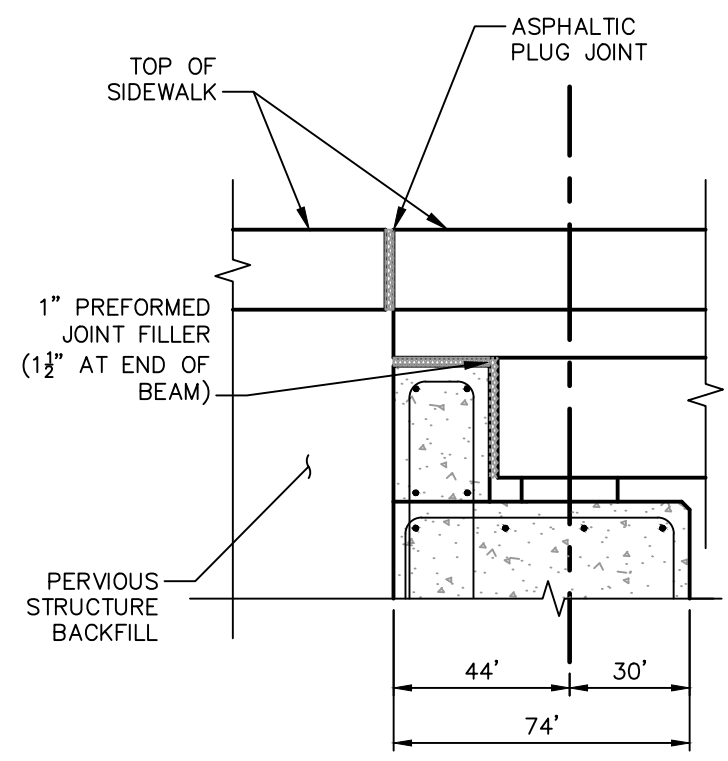
STRENGTH: 17.1 KLF
SERVICE: 12.0 KLF



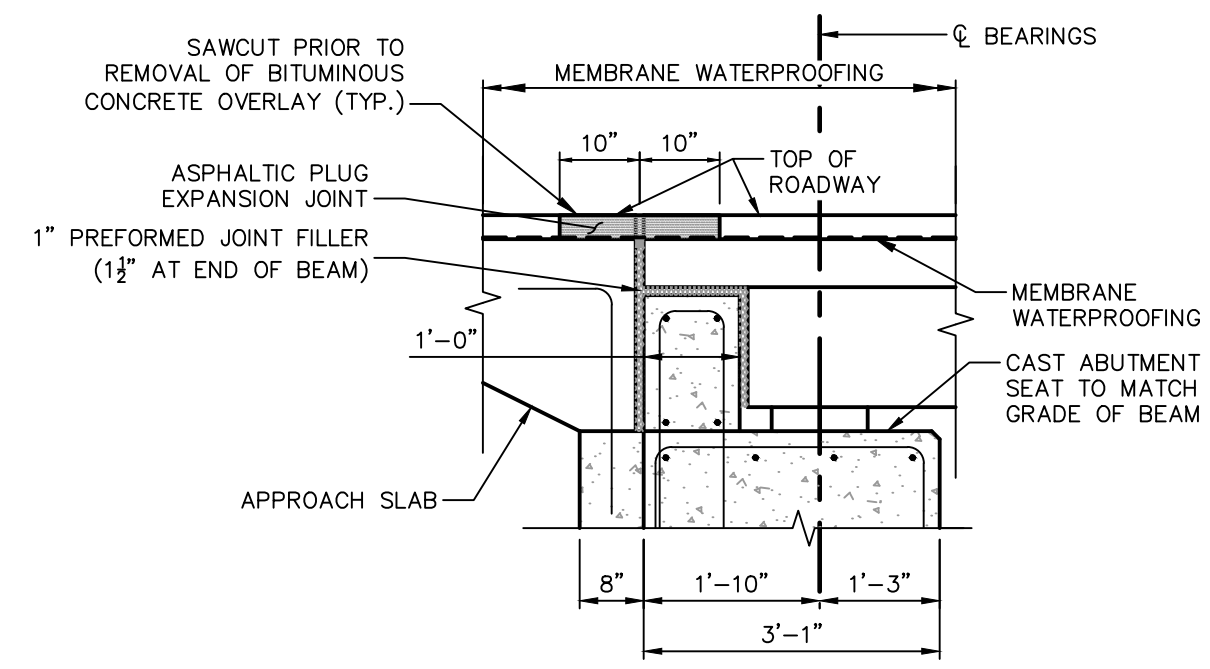
TYPICAL SECTION - ABUTMENT 2
1/2" = 1'-0"



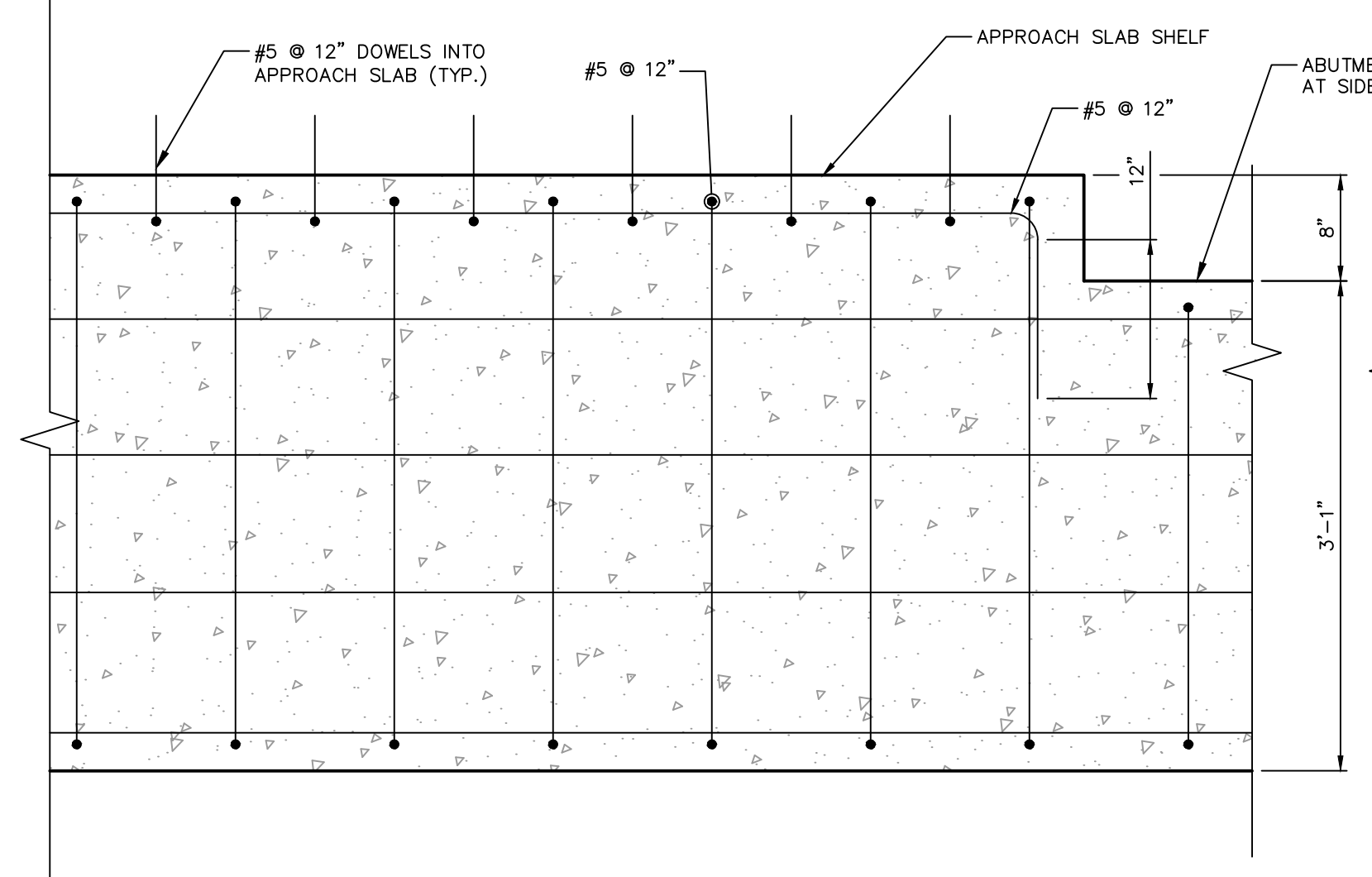
SECTION 2
1" = 1'-0"



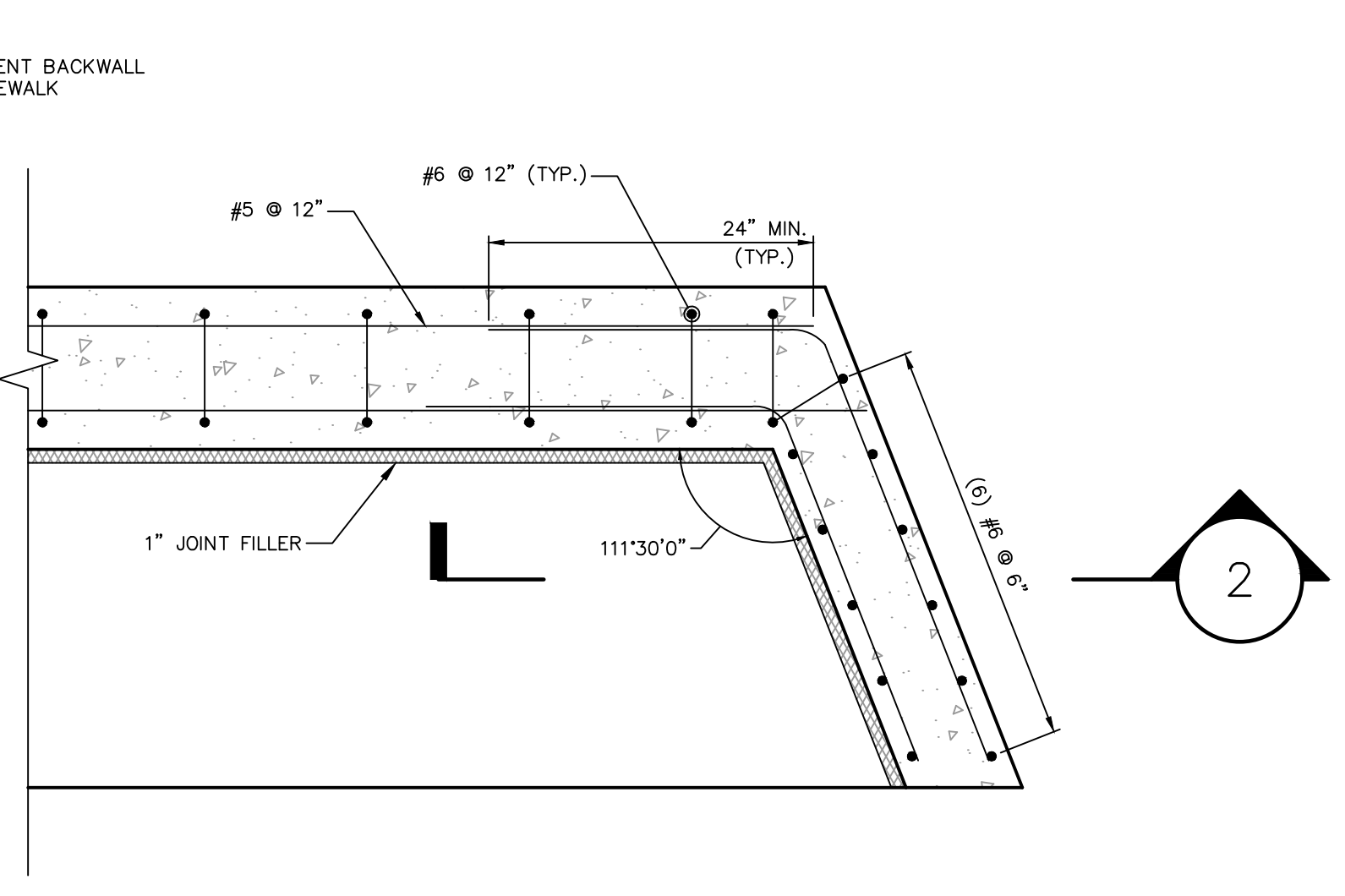
BACKWALL DETAIL AT SIDEWALK
N.T.S.



BACKWALL DETAIL AT APPROACH SLAB
N.T.S.



SECTION 3
1" = 1'-0"



SECTION 1
1" = 1'-0"

File Path: J:\DWG\20170932C11\Structural\ABUT.dwg Layout: SA-304 Plotted: Wed, May 15, 2024, 2:49 PM User: jacob.latar
MS VIEW: PLOTTER: AUTOCAD PDF (GENERAL DOCUMENTATION) PC3 CTB File: FO.STB

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	JT	DW

SEAL



SCALE:
HORZ.: AS NOTED
VERT.: AS NOTED

DATUM:
HORZ.: NAD 83
VERT.: NAVD 88

GRAPHIC SCALE

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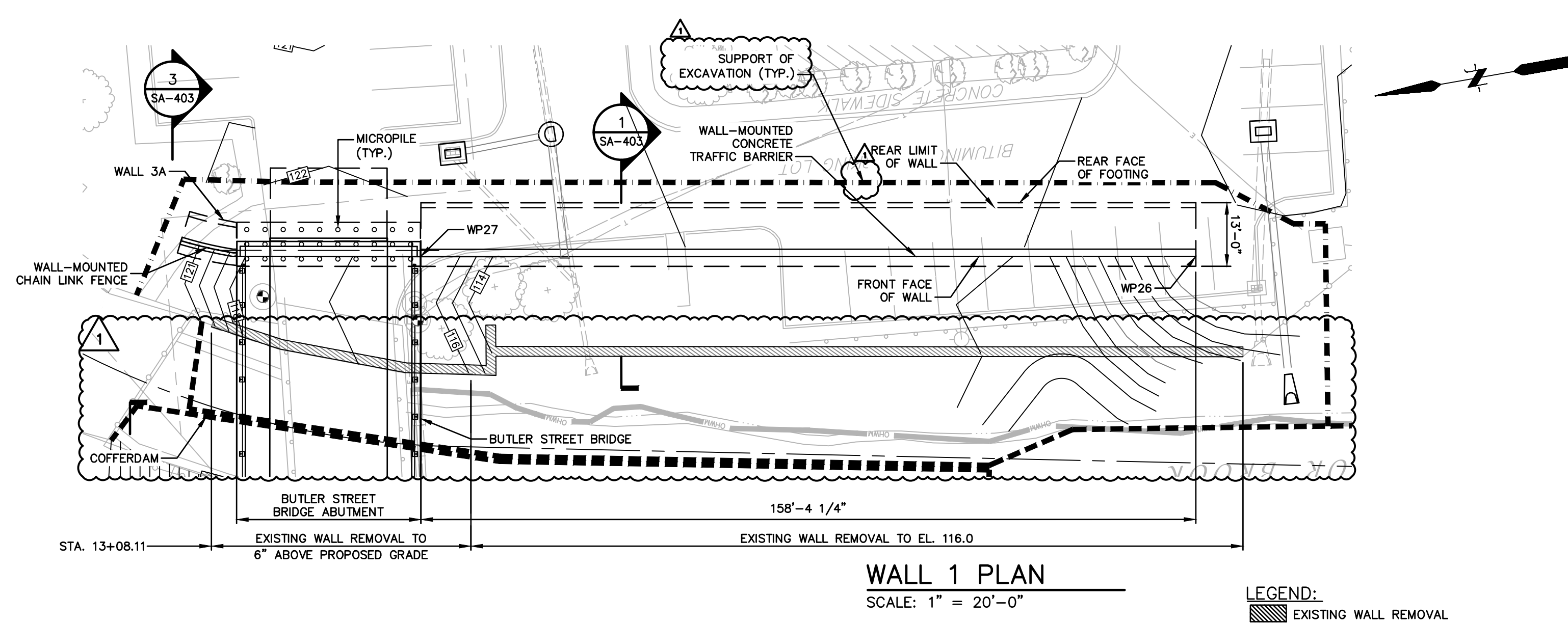
CITY OF MERIDEN
HANOVER STREET BRIDGE
ABUTMENT 2

BRIDGE REPLACEMENT AND UTILITY IMPROVEMENTS
BUTLER STREET AND HANOVER STREET
CONNECTICUT

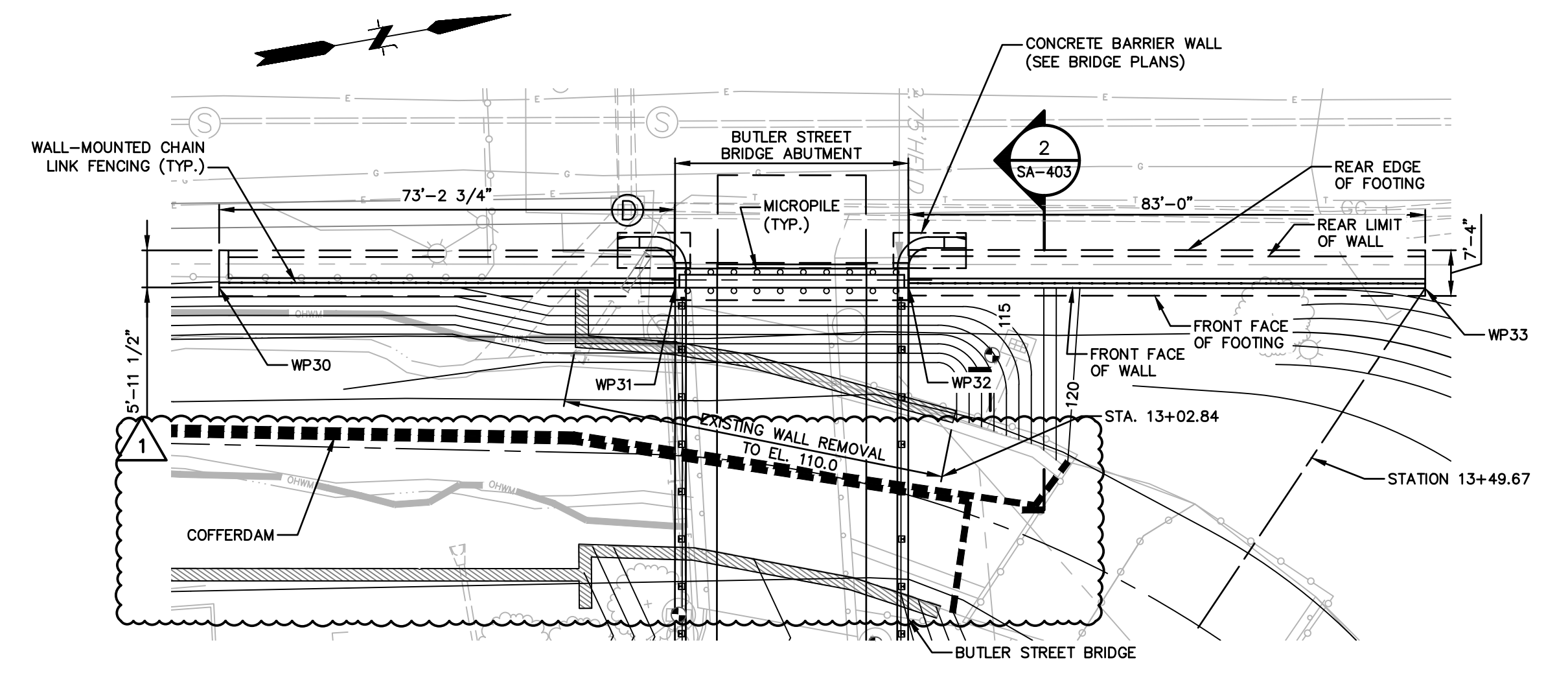
PROJ. No.: 20170932C11
DATE: FEBRUARY 27, 2024

SA-304

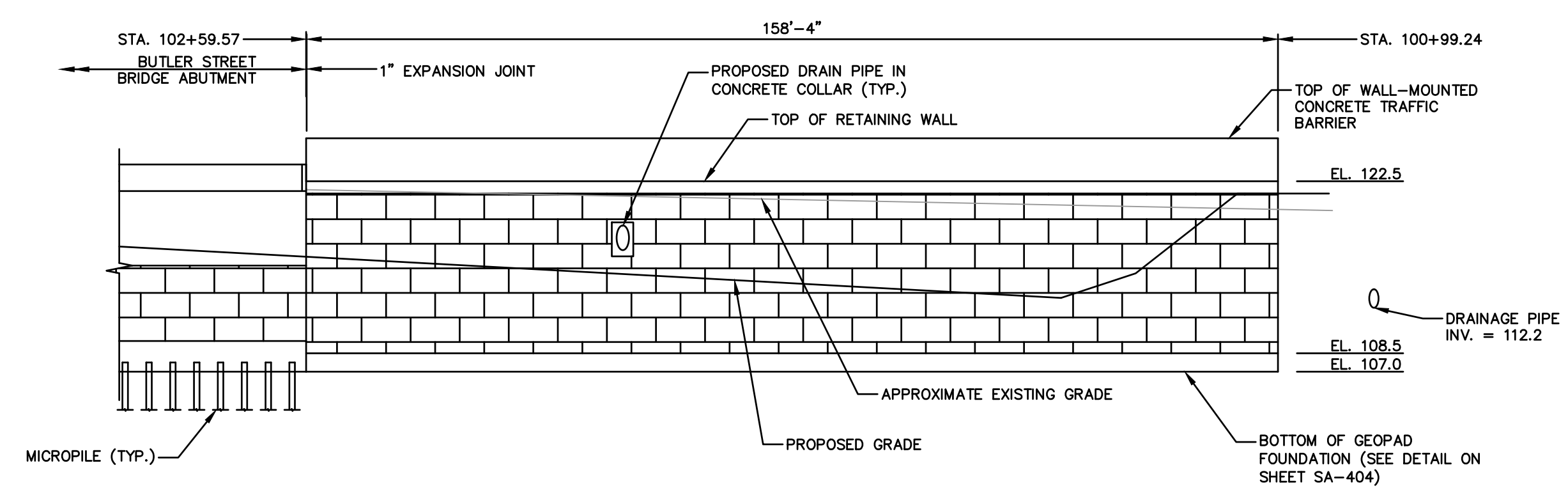
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 User: jacob.talar
 Plotted: Wed, May 15, 2024 - 2:51 PM
 Plotter: AUTOCAD PDF (GENERAL DOCUMENTATION) PC3
 CTB File: FO.STB
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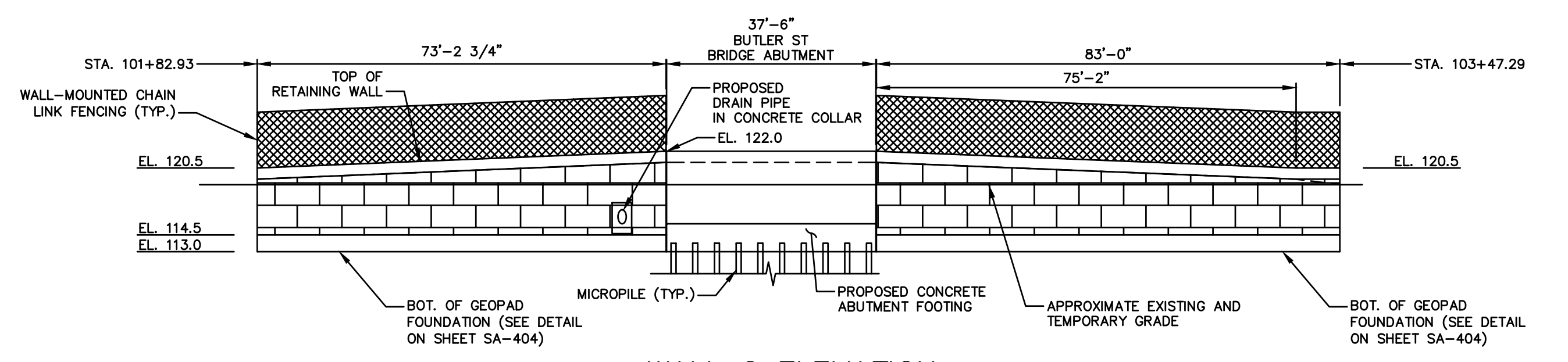
WALL 1 PLAN
 SCALE: 1" = 20'-0"



WALL 2 PLAN
 SCALE: 1" = 20'-0"



WALL 1 ELEVATION
 SCALE: 1" = 20'-0" (H)
 1" = 10'-0" (V)

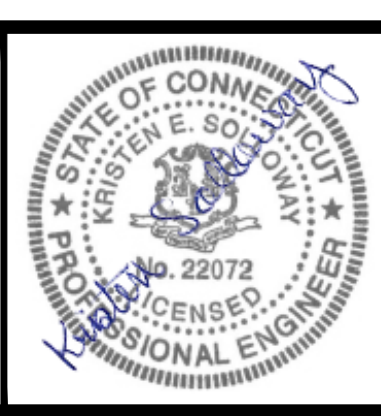


WALL 2 ELEVATION
 SCALE: 1" = 20'-0" (H)
 1" = 10'-0" (V)

WALL 1 WORKING POINTS – OUTSIDE FACE OF WALL				
WP #	NORTHING	EASTING	STATION	OFFSET
26	755879.463	984699.726	100+99.24	42.19
27	756035.415	984727.148	102+59.57	38.48

WALL 2 WORKING POINTS – OUTSIDE FACE OF WALL				
WP #	NORTHING	EASTING	STATION	OFFSET
30	755974.703	984649.911	101+82.93	-25.24
31	756047.069	984661.169	102+55.31	-28.40
32	756083.901	984669.198	102+87.32	-32.23
33	756165.636	984683.635	103+47.29	-65.34

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	JT	DW



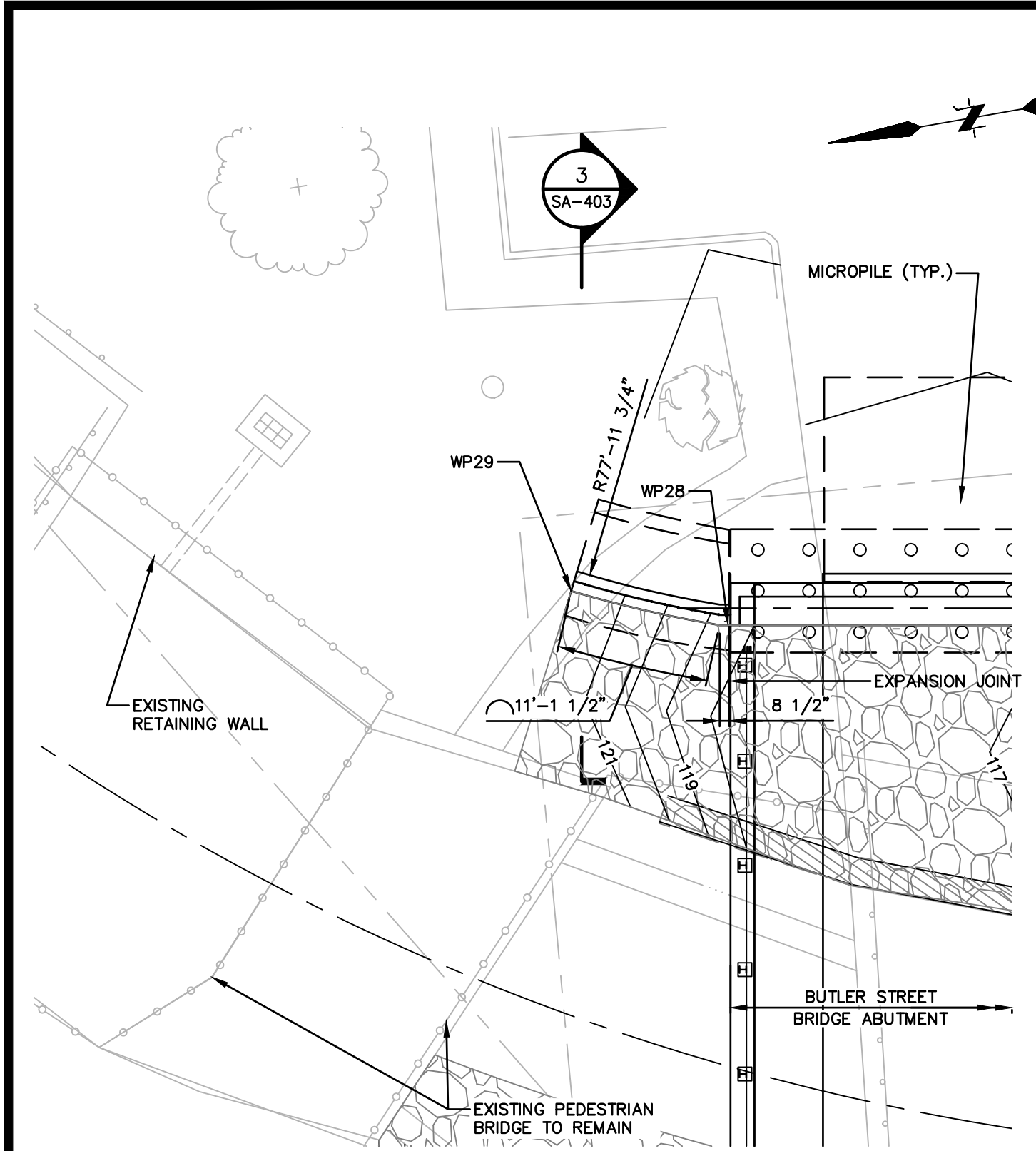
SCALE:
 HORZ.: 1" = 20'
 VERT.: 1" = 10'
 DATUM:
 HORZ.: NAD 83
 VERT.: NAVD 88

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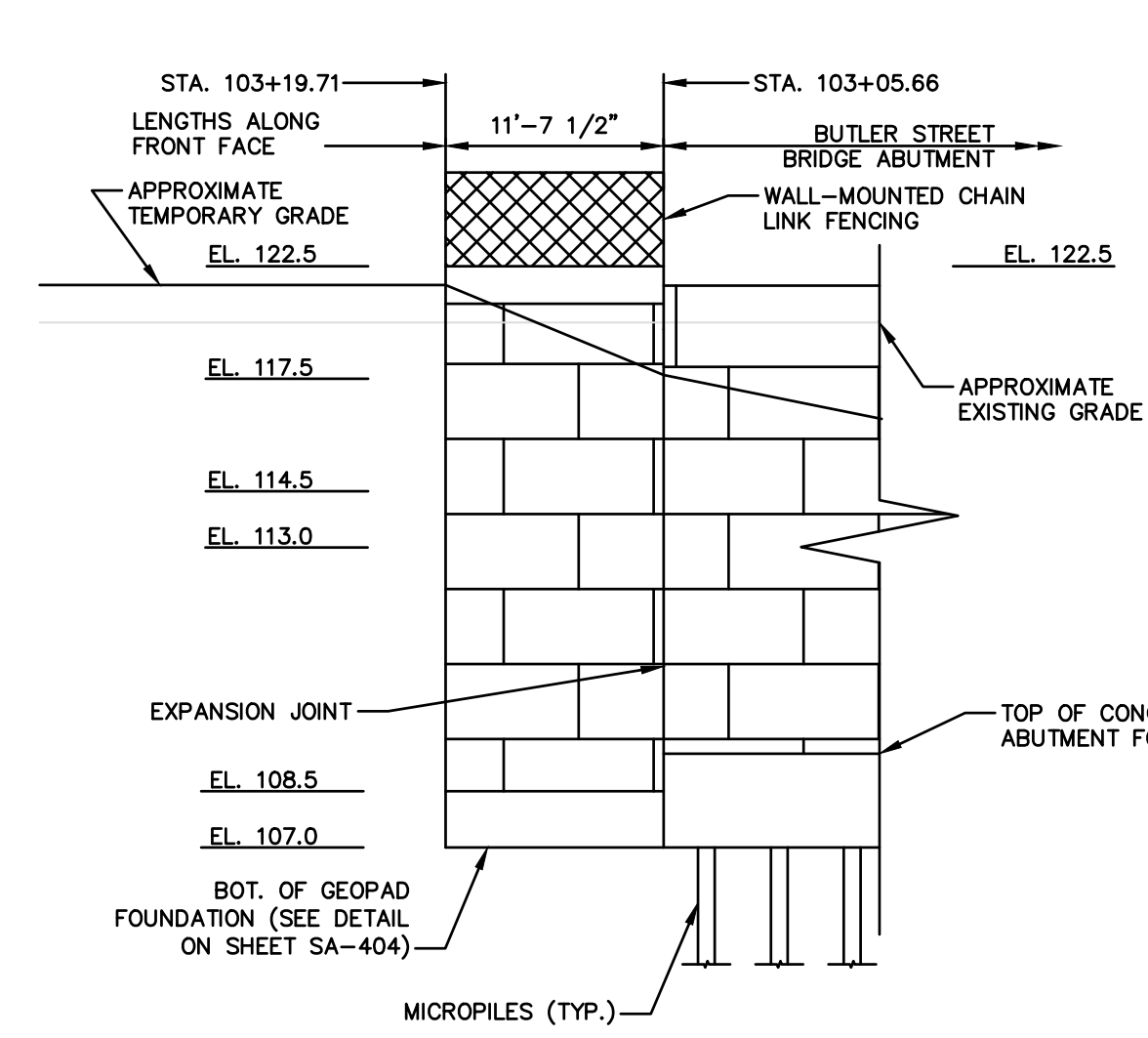
CITY OF MERIDEN
**CHANNEL RETAINING WALLS
 WALL PLAN & ELEVATION**
 BRIDGE REPLACEMENT AND UTILITY IMPROVEMENTS
 BUTLER STREET AND HANOVER STREET
 MERIDEN CONNECTICUT

PROJ. No.: 20170932.C11
 DATE: FEBRUARY 27, 2024
SA-401

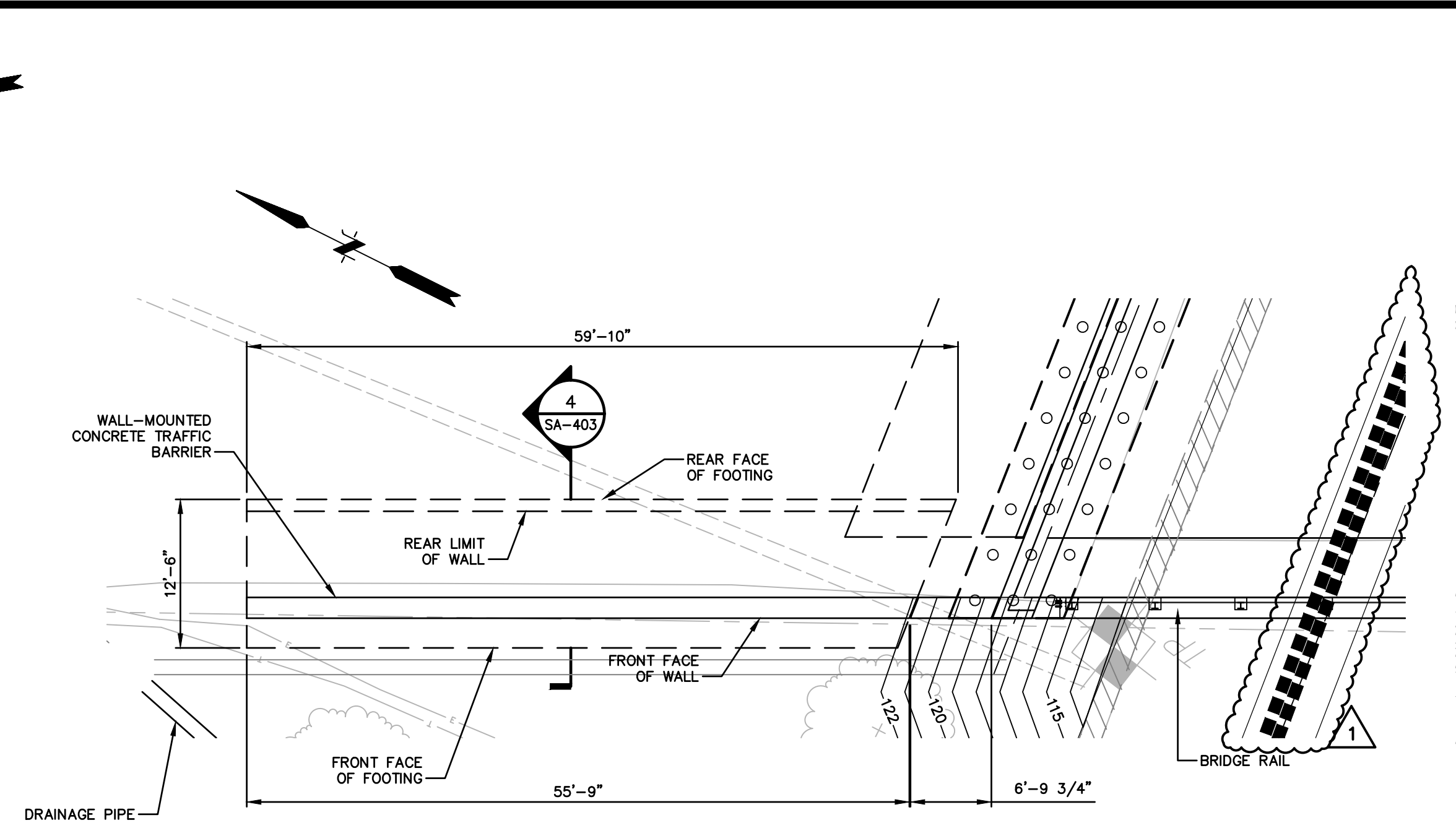
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 LAYER STATE:



WALL 3A PLAN
SCALE: 1" = 10'-0"

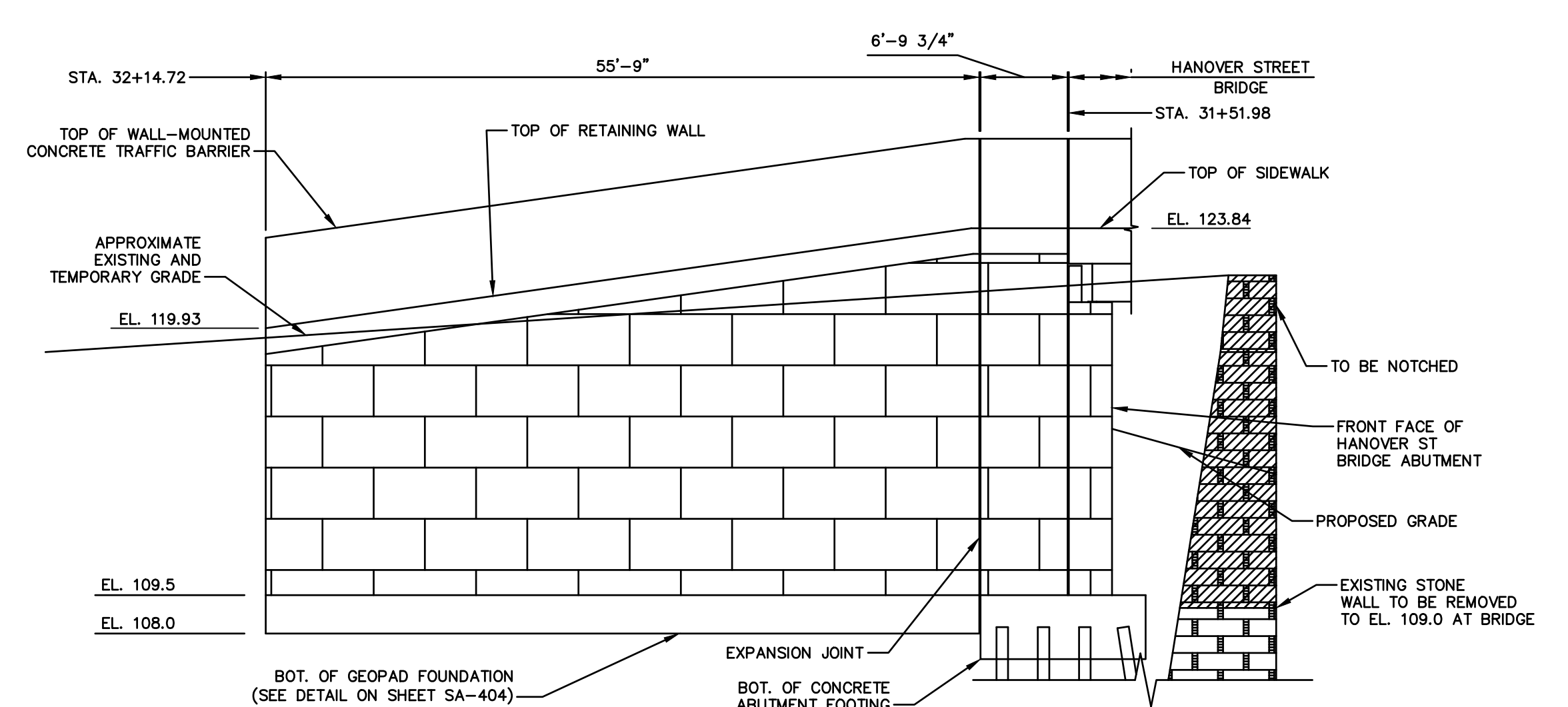


WALL 3A ELEVATION
SCALE: 1" = 10'-0" (H)
1" = 5'-0" (V)

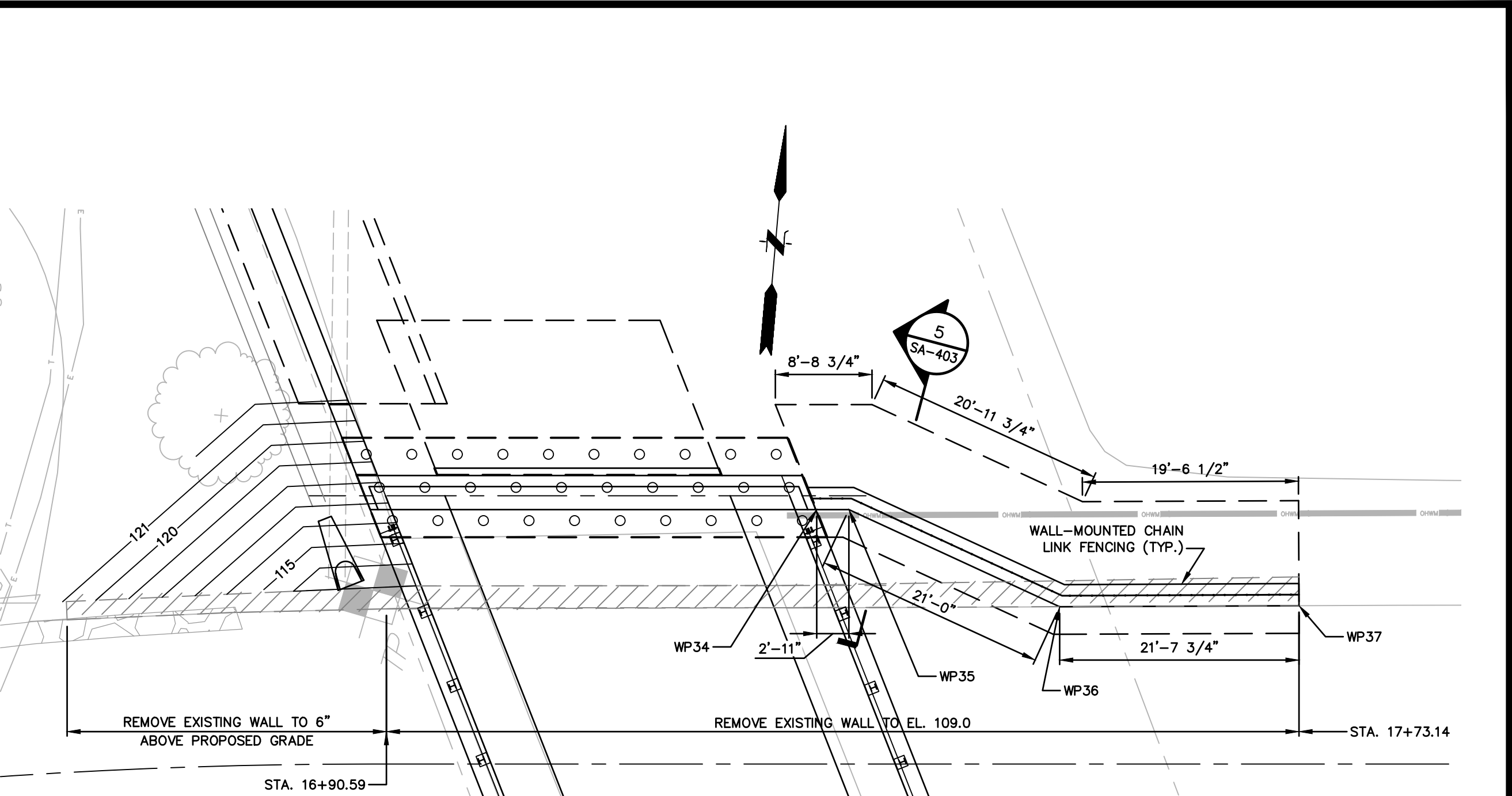


WALL 5A PLAN
SCALE: 1" = 10'-0"

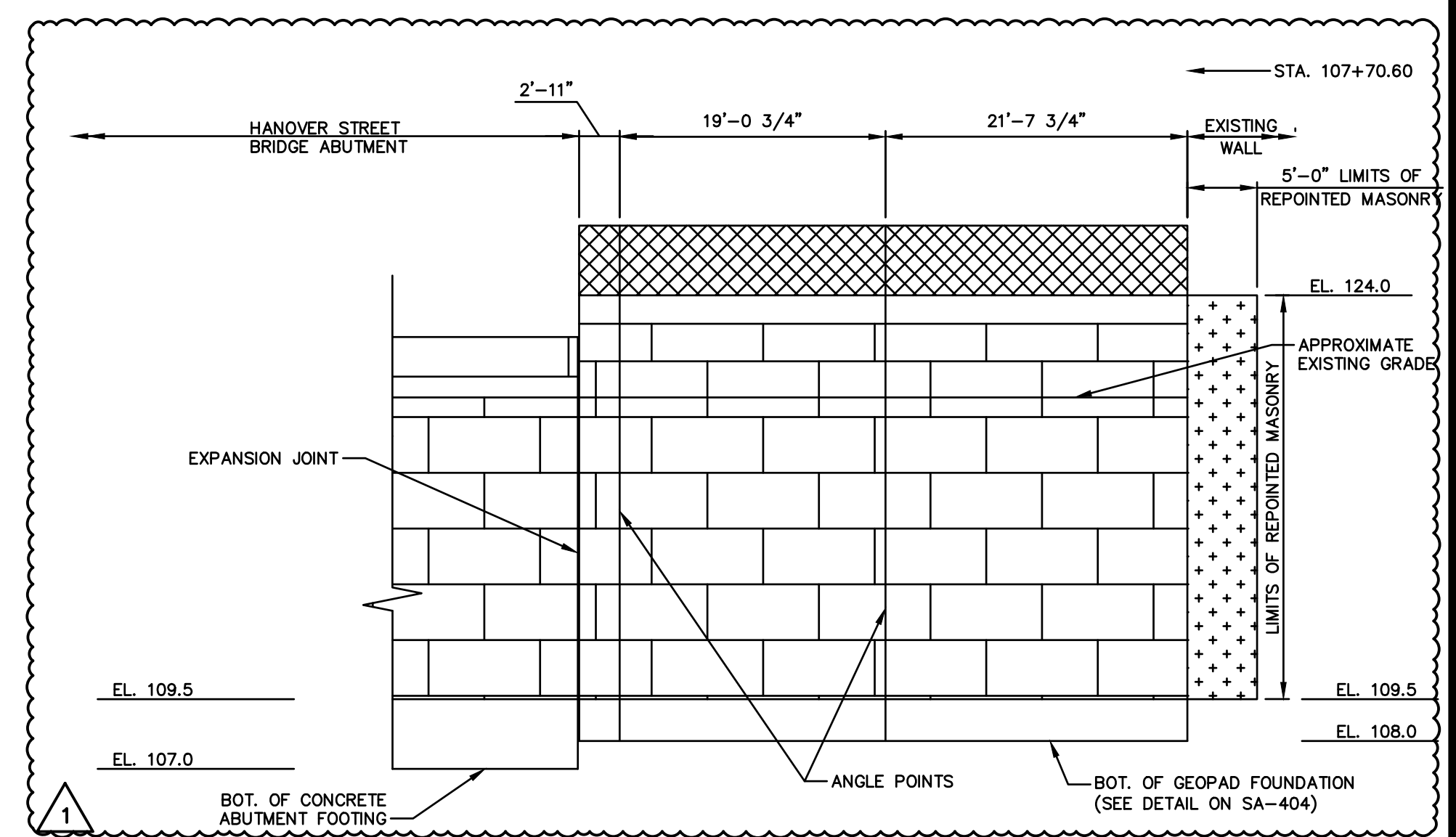
NOTE: SEE HANOVER STREET BRIDGE LAYOUT DRAWING FOR WALL 5A WORKING POINTS, BASED OFF HANOVER STREET BASELINE.



WALL 5A ELEVATION
1" = 10' (H)
1" = 5' (V)



WALL 5B PLAN
SCALE: 1" = 10'-0"

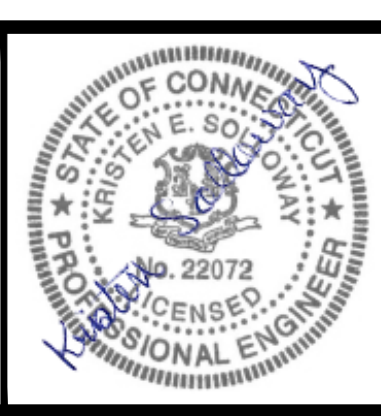


WALL 5B ELEVATION
1" = 10' (H)
1" = 5' (V)

WALL 3A AND 5A/B WORKING POINTS – OUTSIDE FACE OF WALL				
WP #	NORTHING	EASTING	STATION	OFFSET
28	756072.509	984733.700	103+05.66	30.71
29	756083.446	984738.164	103+19.71	28.77
34	756272.525	985080.088	107+26.98	-23.02
35	756272.780	985082.987	107+29.89	-23.02
36	756265.696	985102.748	107+48.95	-14.23
37	756267.695	985124.307	107+70.60	-14.32

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	JT	DW

SEAL



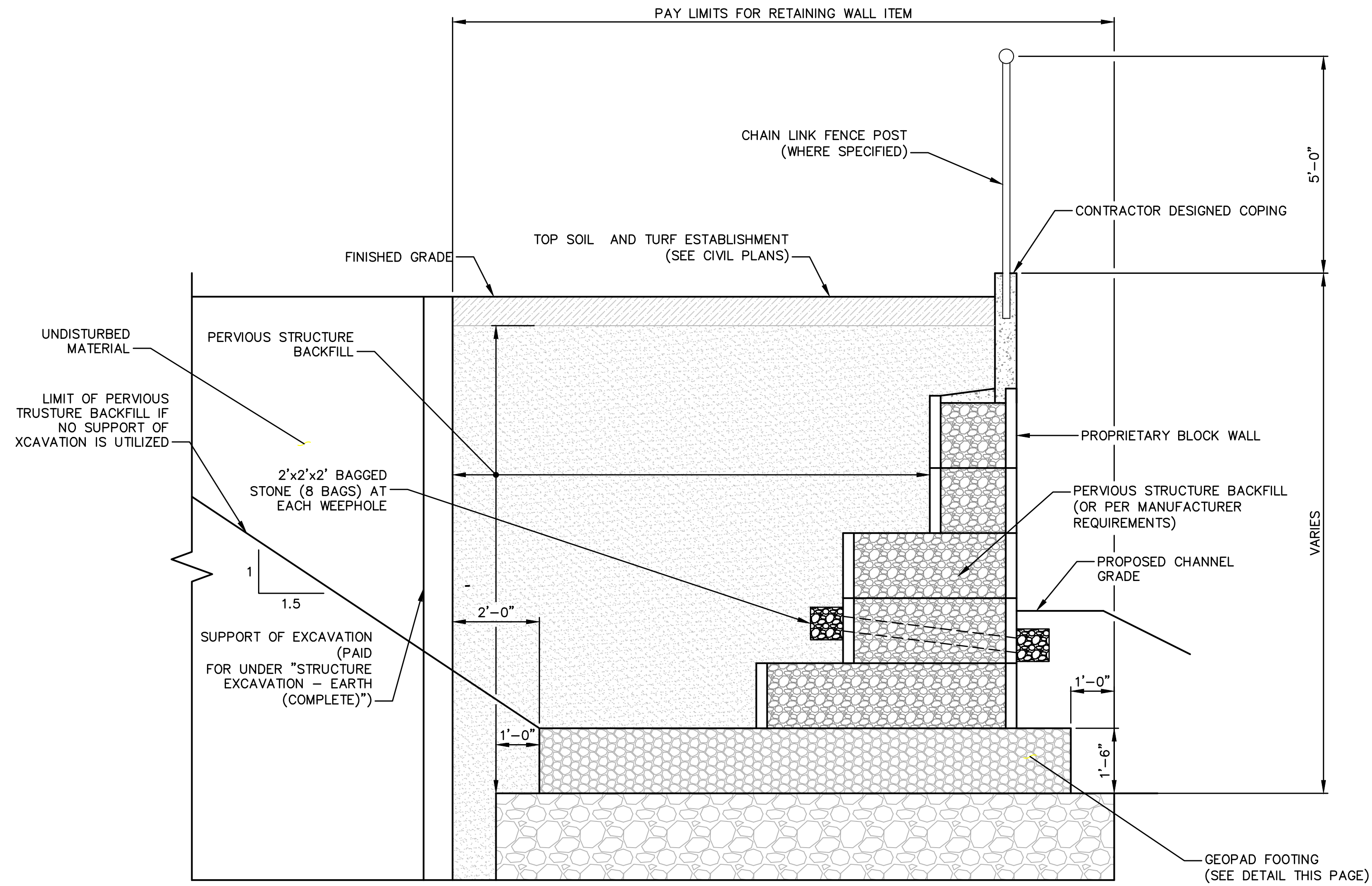
SCALE:
 HORZ.: 1" = 10'
 VERT.: 1" = 5'
 DATUM:
 HORZ.: NAD 83
 VERT.: NAVD 88
 GRAPHIC SCALE

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CITY OF MERIDEN
CHANNEL RETAINING WALLS
WALL PLAN & ELEVATION
 BRIDGE REPLACEMENT AND UTILITY IMPROVEMENTS
 BUTLER STREET AND HANOVER STREET
 MERIDEN CONNECTICUT

PROJ. No.: 20170932.C11
 DATE: FEBRUARY 27, 2024
SA-402

File Path: J:\DWG\20170932C11\Structural\Plan\20170932C11_14_RET WALL DETAILS.dwg Layout: SA-404-PH1 Plotted: Wed, May 15, 2024 - 2:52 PM User: jacob.lalor
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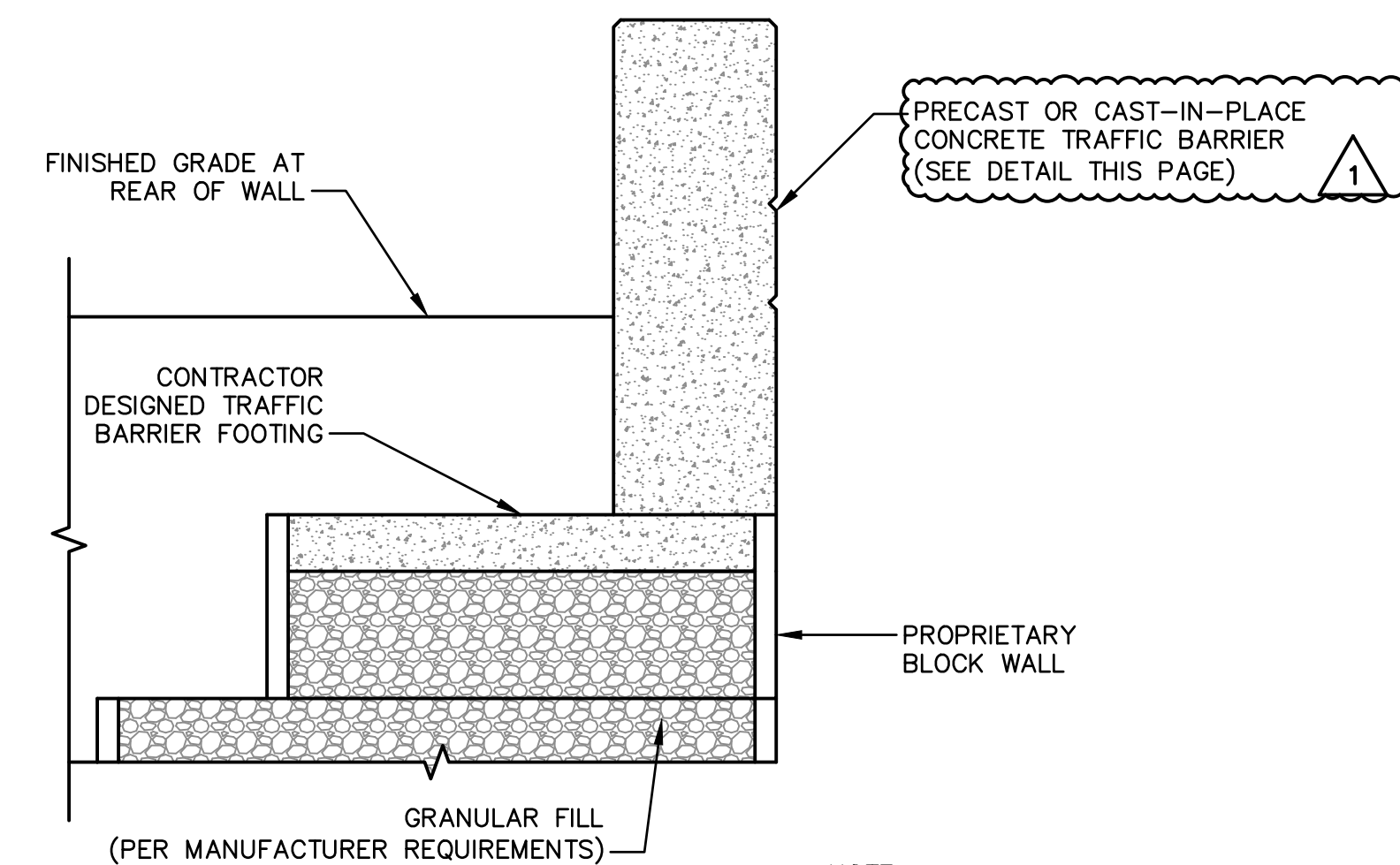


PROPRIETARY WALL TYPICAL SECTION
1/2" = 1'-0"

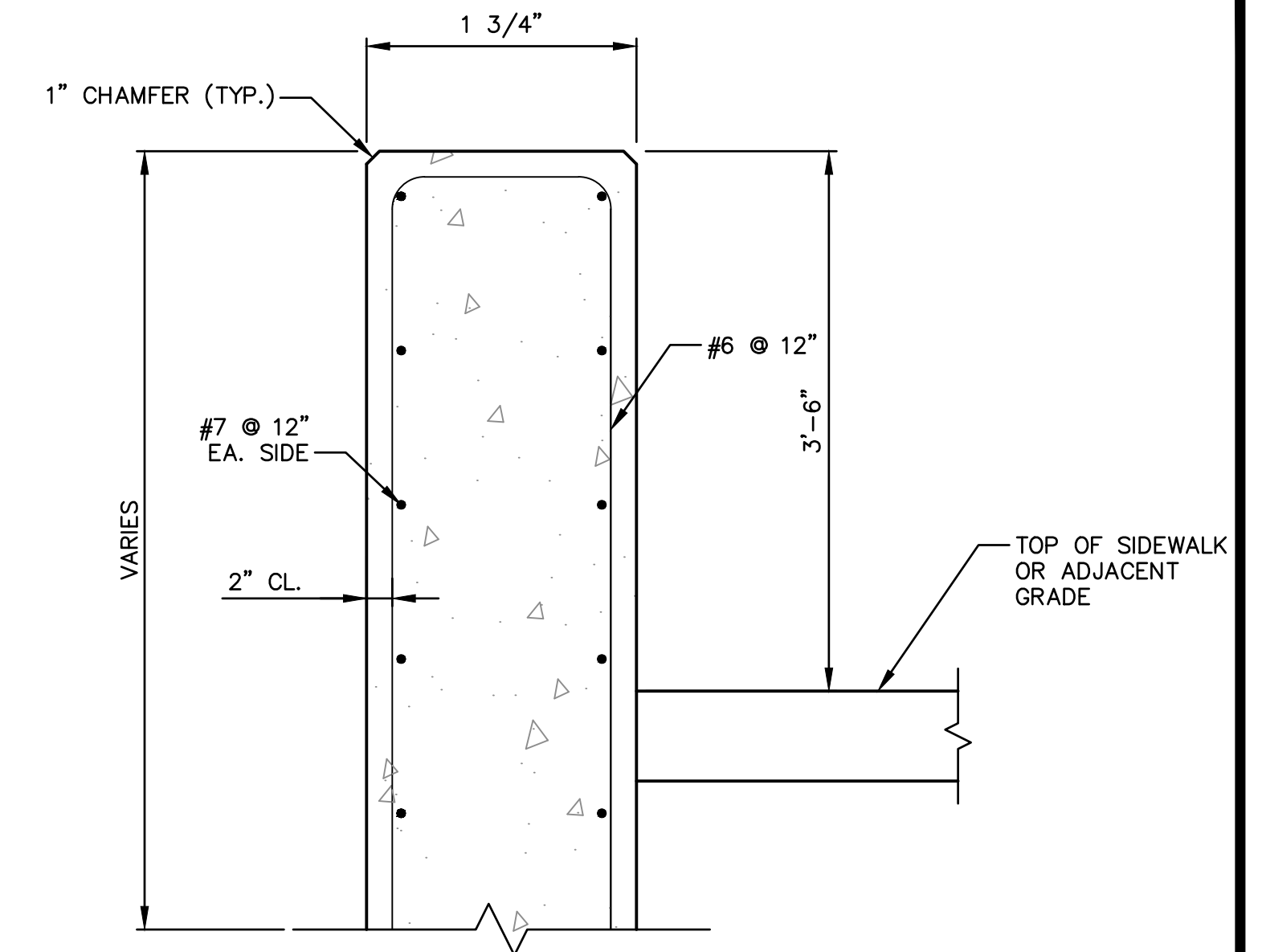
- NOTES:**
1. TRAFFIC BARRIERS, PARAPETS AND MOMENT SLABS TO BE PAID FOR UNDER "PARAPET CONCRETE".
 2. RETAINING WALL TO BE "DOUBLEWAL INTERLOCKING PRECAST MODULAR WALL" OR APPROVED EQUAL.
 3. RETAINING WALLS TO BE DESIGNED FOR ALL APPLICABLE HYDRAULIC, SURCHARGE, AND/OR PEDESTRIAN LOADINGS.
 4. CONTRACTOR TO PROVIDE PROPRIETARY BLOCK WALL (OR APPROVED EQUAL) STAMPED ENGINEER RETAINING WALL PLANS AND CALCULATIONS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
 5. GEOTECHNICAL REPORT AND BORING LOG DATA TO BE PROVIDED TO THE CONTRACTOR FOR USE IN THE RETAINING WALL DESIGN. CONTRACTOR TO PERFORM ANY ADDITIONAL REQUIRED SOIL TESTING PRIOR TO WALL DESIGN AND CONSTRUCTION, AT NO ADDITIONAL COST.

GEOPAD FOUNDATION NOTES:

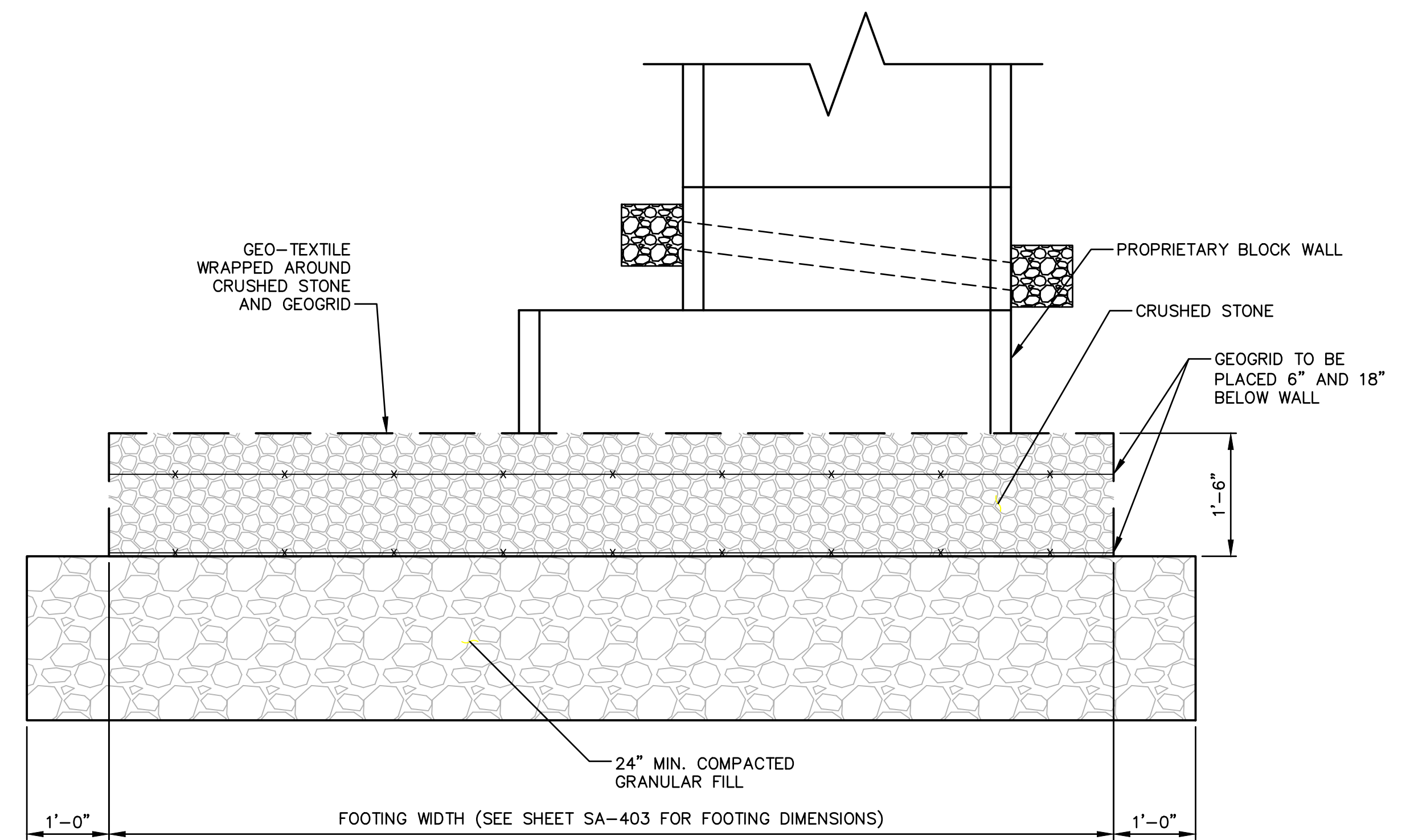
1. GEOTEXTILE FABRIC TO BE WRAPPED AROUND CRUSHED STONE WITH A 1.5' OVERLAP. MATERIAL TO CONFORM TO CTDOT FORM 818 MATERIAL SPECIFICATIONS. GEOTEXTILE TO CONSIST OF 6 OZ. MIRAFI 160N OR APPROVED EQUIVALENT.
2. CRUSHED STONE TO MEET THE SPECIFICATIONS OF No. 3 COARSE AGGREGATE PER THE CTDOT FORM 818 MATERIAL SPECIFICATIONS TABLE M.01.02-2. CRUSHED STONE TO BE PLACED IN 6 TO 8 INCH LIFTS AND COMPACTED UNTIL FIRM AND STABLE.
3. GEOGRID TO CONSIST OF TENSAR TX160 OR APPROVED EQUIVALENT.
4. COMPACTED GRANULAR FILL TO MEET THE SPECIFICATIONS WITHIN CTDOT FORM 818.
5. GEOPAD FOUNDATION SHALL BE PAID UNDER THE LUMP SUM ITEM FOR RETAINING WALL (Site No. X.)



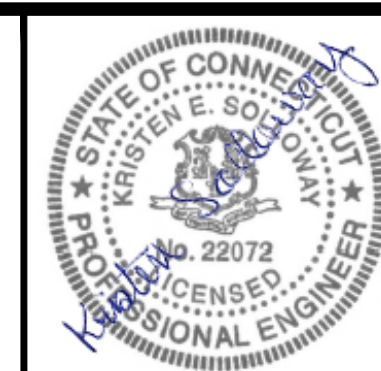
TOP OF WALL WITH TRAFFIC BARRIER
1/2" = 1'-0"



TRAFFIC BARRIER DETAIL
1" = 1'-0"



GEOPAD FOOTING DETAIL
3/4" = 1'-0"



SCALE:
 HORZ.: AS NOTED
 VERT.: AS NOTED
 DATUM:
 HORZ.: NAD 83
 VERT.: NAVD 88
 GRAPHIC SCALE

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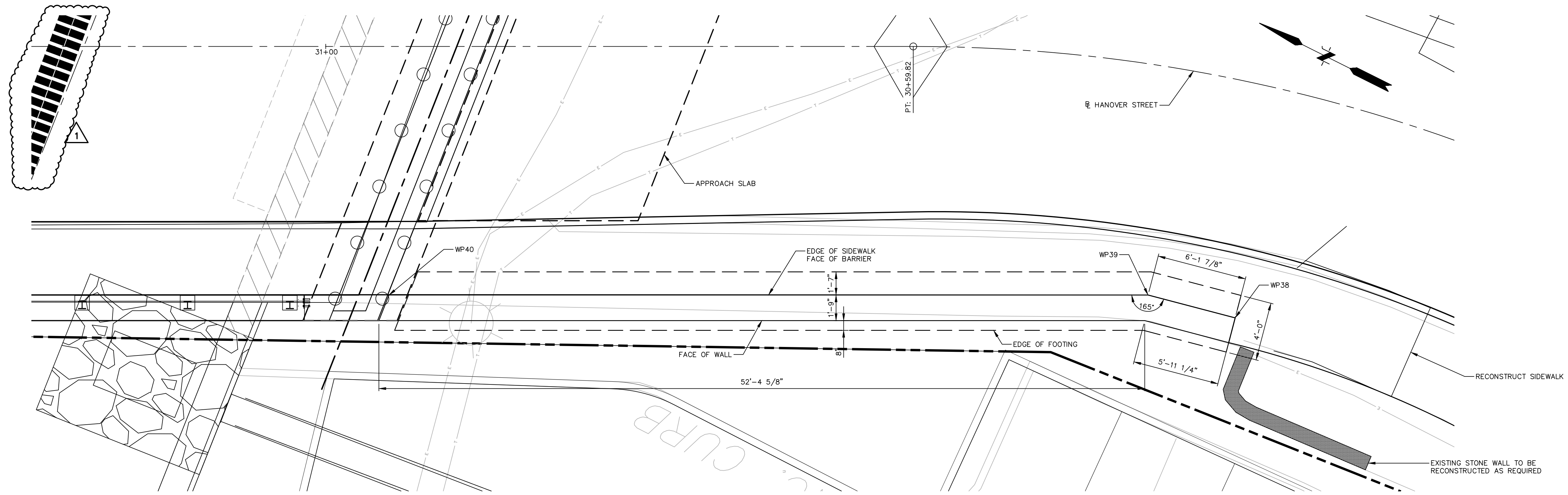
CITY OF MERIDEN
 CHANNEL RETAINING WALLS
 TYPICAL WALL DETAILS
 BRIDGE REPLACEMENTS AND UTILITY IMPROVEMENTS
 BUTLER STREET AND HANOVER STREET
 MERIDEN, CONNECTICUT

PROJ. No.: 20170932C11
 DATE: FEBRUARY 27, 2024

SA-404

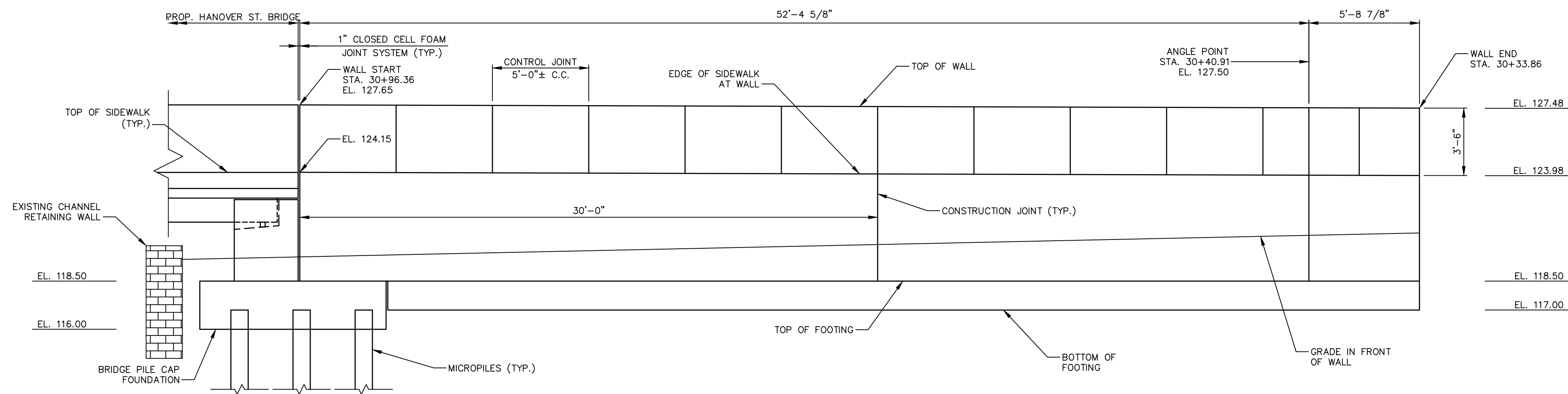
No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	JT	DW

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 PC3: AUTOCAD PDF (GENERAL DOCUMENTATION) PC3_STB/CTB: FO STB
 LAYER STATE:



WALL 6 PLAN VIEW
SCALE: 1/4" = 1'-0"

WALL 6 WORKING POINTS – INSIDE FACE OF WALL				
WP #	NORTHING	EASTING	STATION	OFFSET
38	756169.872	985089.558	30+33.82	-15.95
39	756175.898	985088.293	30+41.00	-15.62
40	756229.943	985080.303	30+95.67	-17.00



WALL 6 ELEVATION VIEW
SCALE: 1/4" = 1'-0"

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	JT	DW

SEAL



SCALE:
 HORZ.: ?? = ??
 VERT.:
 DATUM:
 HORZ.:
 VERT.:
 0 ?? ?? ??
 GRAPHIC SCALE

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CITY OF MERIDEN
 RETAINING WALL 6
 BRIDGE REPLACEMENT AND UTILITY IMPROVEMENTS
 BUTLER STREET AND HANOVER STREET
 MERIDEN CONNECTICUT

PROJ. No.: 20170932.C38
 DATE: FEBRUARY 27, 2024
SA-501

PLANTING NOTES:

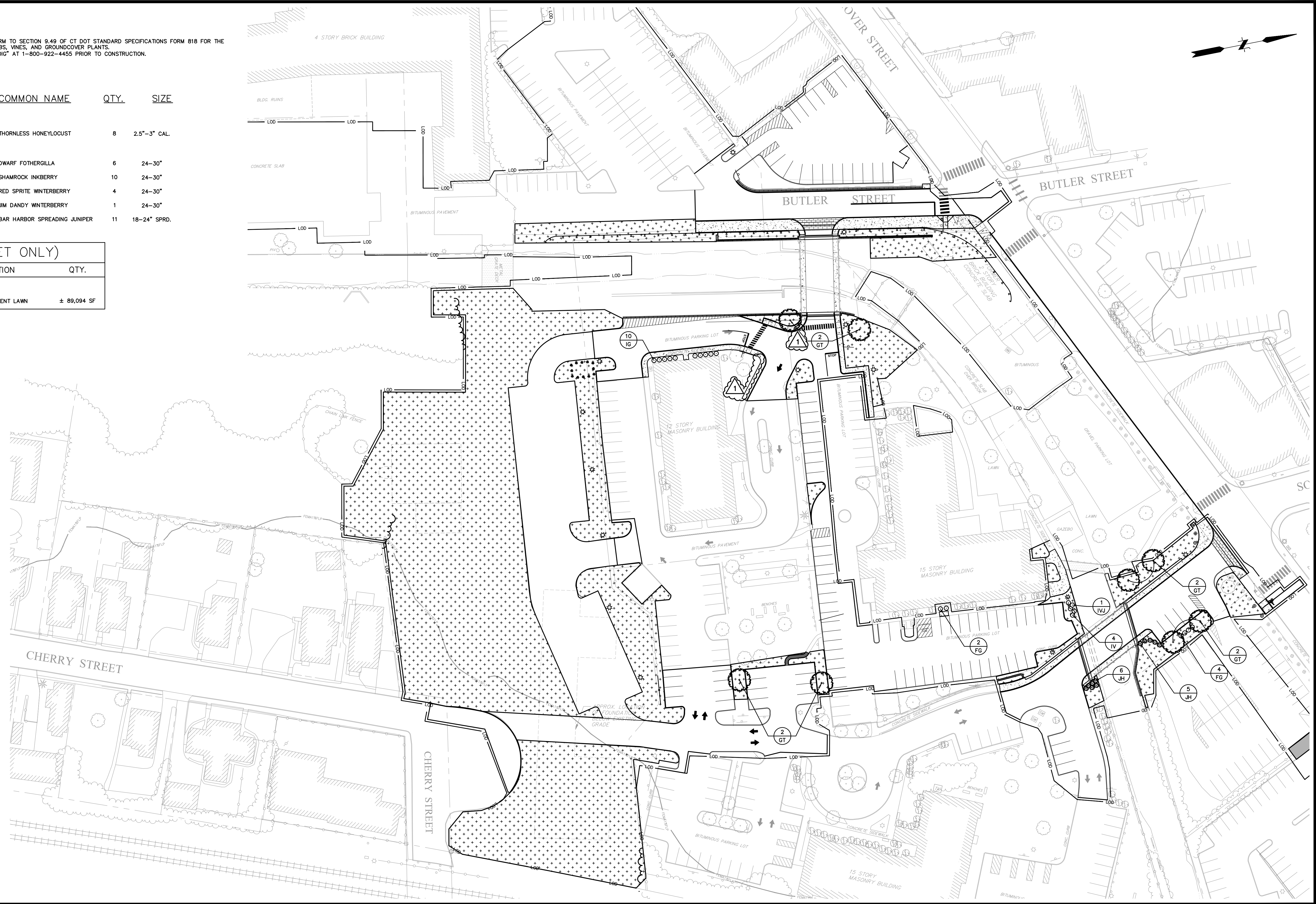
1. ALL WORK PERFORMED UNDER THIS PLAN SHALL CONFORM TO SECTION 9.49 OF CT DOT STANDARD SPECIFICATIONS FORM 818 FOR THE FURNISHING, PLANTING, AND MULCHING OF TREES, SHRUBS, VINES, AND GROUNDCOVER PLANTS.
2. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 1-800-922-4455 PRIOR TO CONSTRUCTION.

PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	QTY.	SIZE
TREES				
GT	GLEDITSIA TRIACANTHANOS VAR. INERMIS	THORNLESS HONEYLOCUST	8	2.5"-3" CAL.
SHRUBS				
FG	FOTHERGILLA GARDENII 'BLUE MIST'	DWARF FOTHERGILLA	6	24-30"
IG	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY	10	24-30"
IV	ILEX VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY	4	24-30"
IVJ	ILEX VERTICILLATA 'JIM DANDY'	JIM DANDY WINTERBERRY	1	24-30"
JH	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR SPREADING JUNIPER	11	18-24" SPRD.

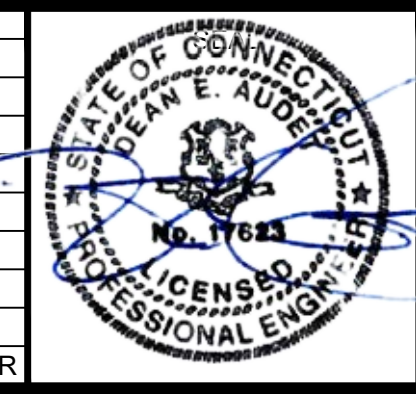
LEGEND (THIS SHEET ONLY)

KEY	SYMBOL	DESCRIPTION	QTY.
LANDSCAPE			
①		TURF ESTABLISHMENT LAWN	± 89,094 SF



File Path: J:\DWG\20170932\C11\Civil\Plan\20170932C11_LND-02.dwg Layout: LP-101 (PH1) Plotted: Wed, May 15, 2024 - 1:09 PM User: sam.huffman
 PLOTTER: AUTOCAD PDF (GENERAL DOCUMENTATION) PC3 CTB File: FO.STB
 LAYER STATE:

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
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SEAL

SCALE:

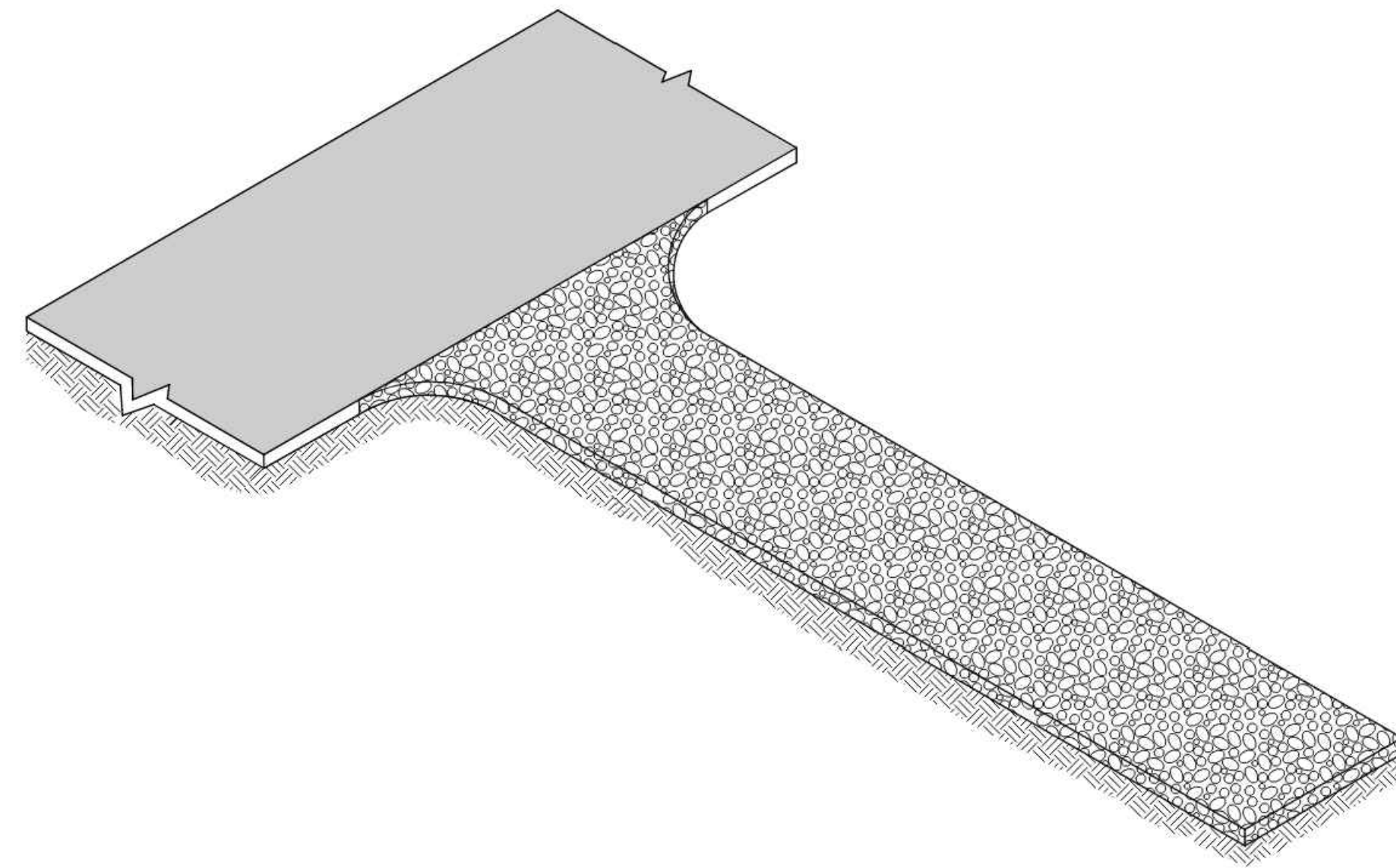
HORIZ.:	1" = 40'
VERT.:	
DATUM:	
HORIZ.:	NAD 83
VERT.:	NAVD 88

GRAPHIC SCALE

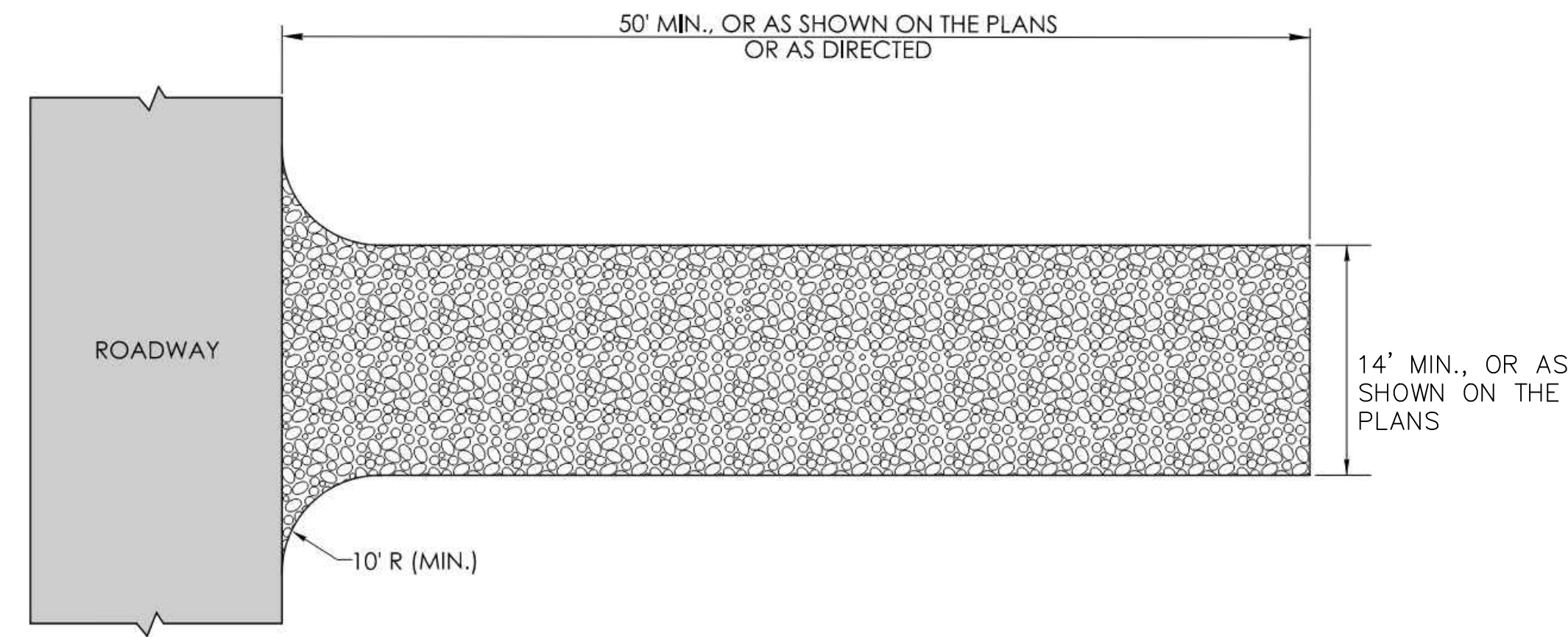
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CITY OF MERIDEN
LANDSCAPING PLAN
 BRIDGE REPLACEMENT AND UTILITY IMPROVEMENTS
 BUTLER STREET AND HANOVER STREET
 MERIDEN CONNECTICUT

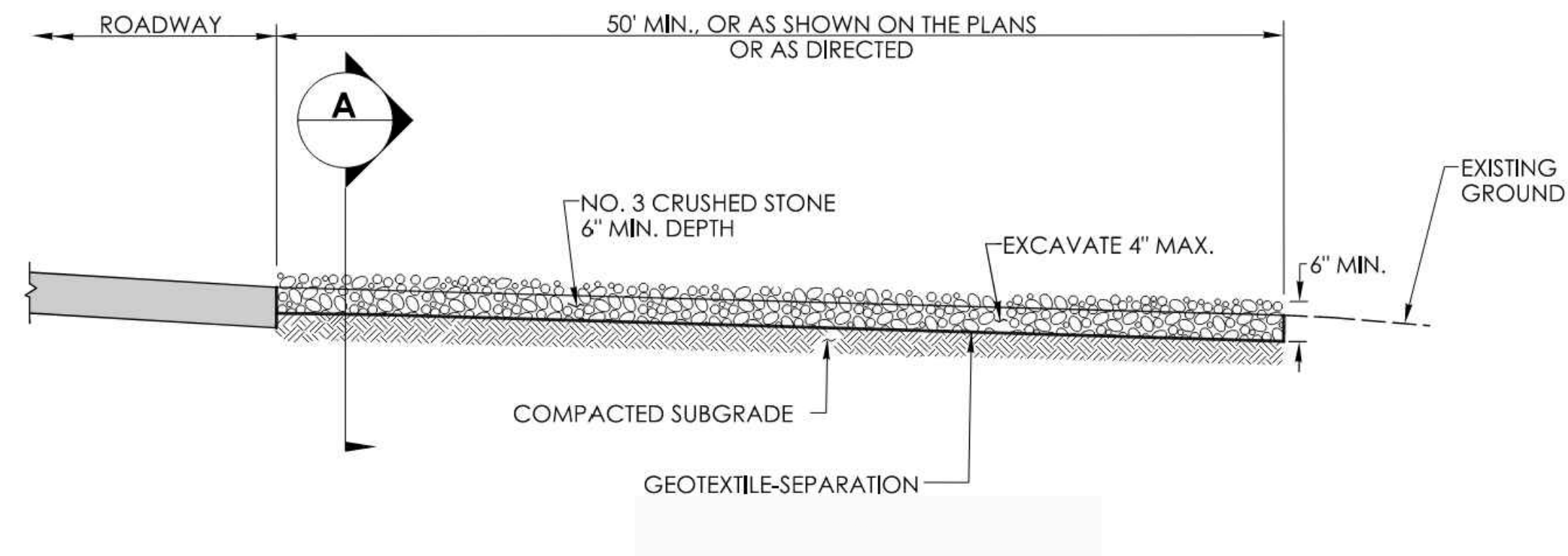
PROJ. No.: 20170932.C38
 DATE: FEBRUARY 27, 2024
LP-101



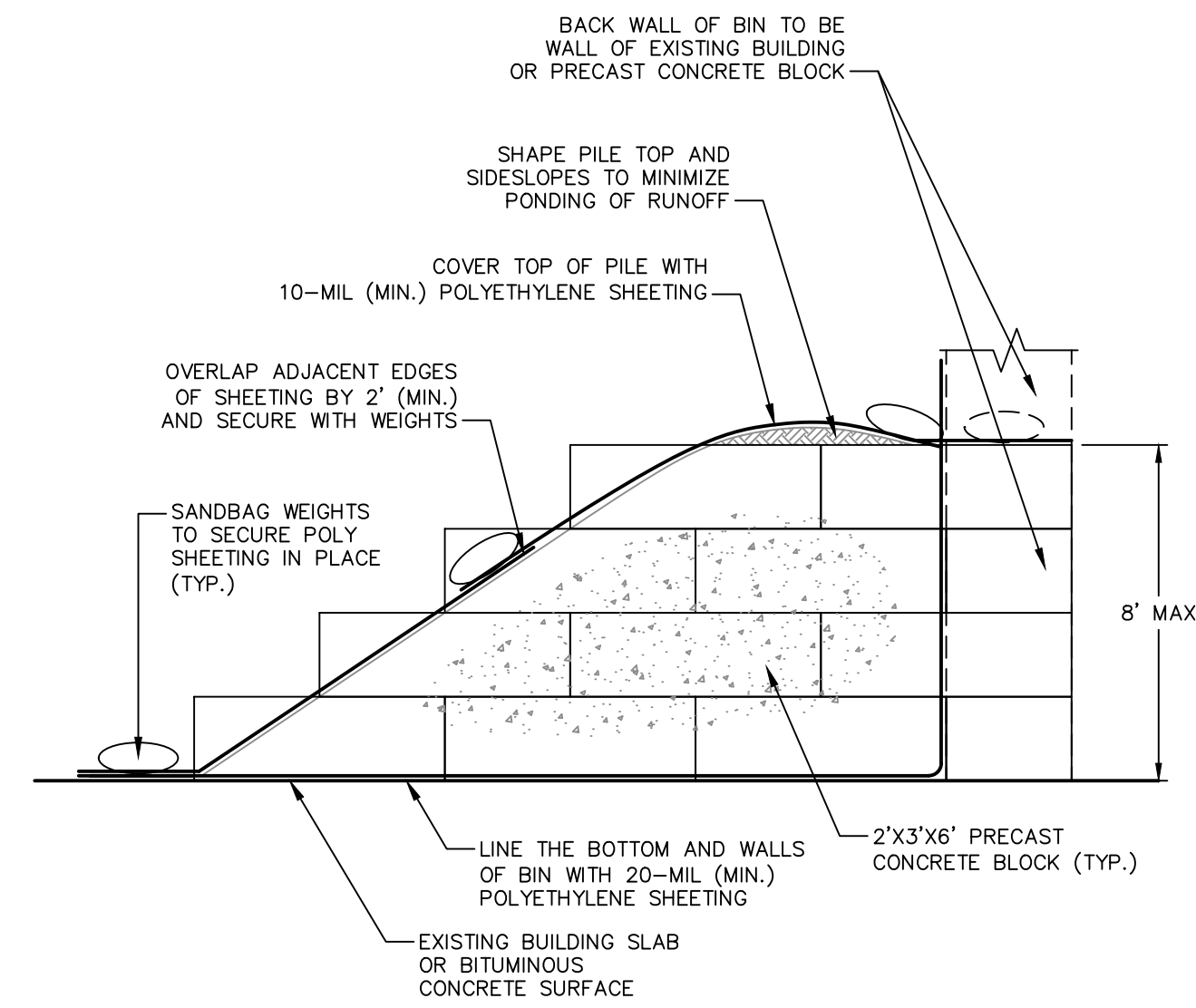
ANTI-TRACKING PAD



PLAN



ELEVATION

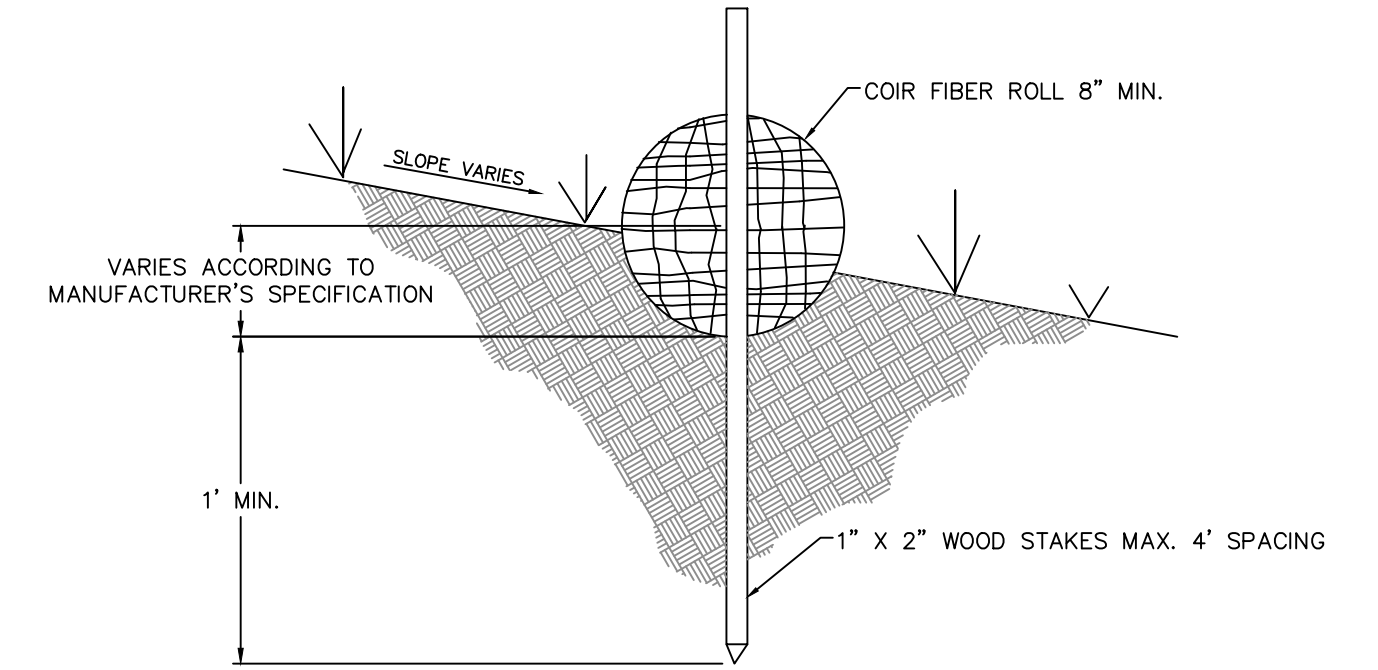


NOTES:

- CONTRACTOR SHALL SIZE BIN WIDTH AND DEPTH TO ACCOMMODATE CONSTRUCTION VEHICLE ACCESS AND REQUIRED STORAGE VOLUME.

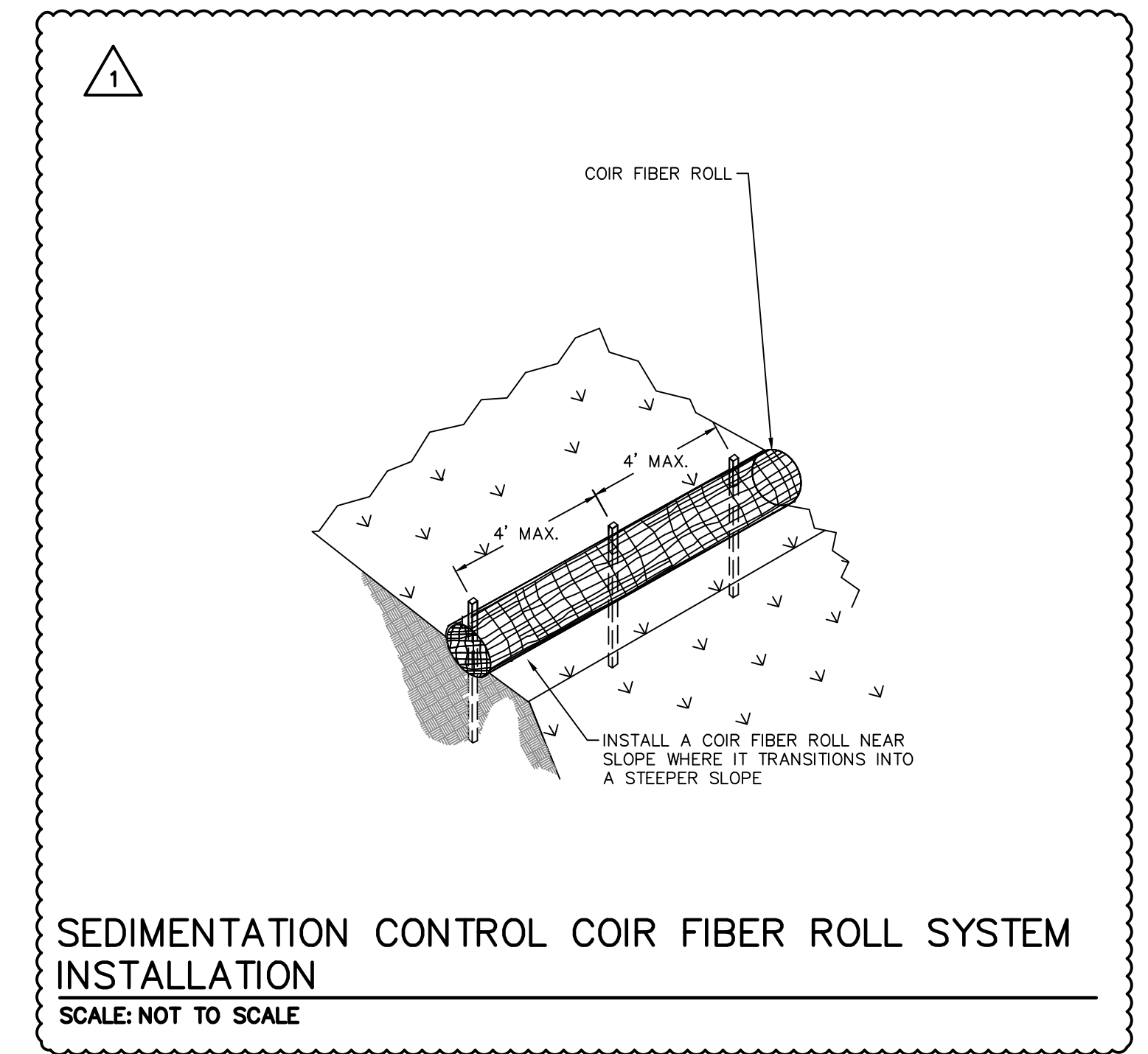
TEMPORARY WASTE STOCKPILE AREA

SCALE: NOT TO SCALE



**SEDIMENTATION CONTROL COIR FIBER ROLL SYSTEM
ENTRENCHMENT DETAIL**

SCALE: NOT TO SCALE

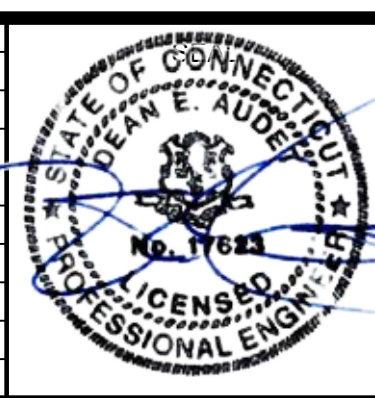


**SEDIMENTATION CONTROL COIR FIBER ROLL SYSTEM
INSTALLATION**

SCALE: NOT TO SCALE

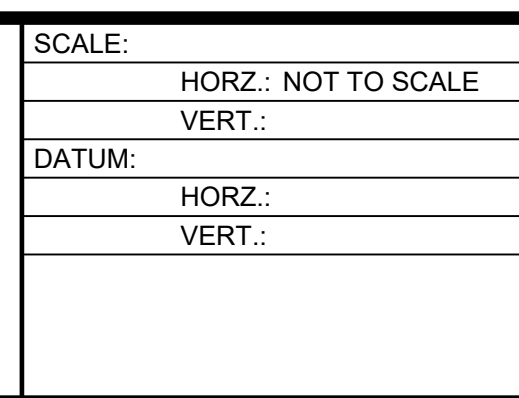
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 LAYER STATE:

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	SH	MG/DA



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 VERT.:
 DATUM:
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 VERT.:



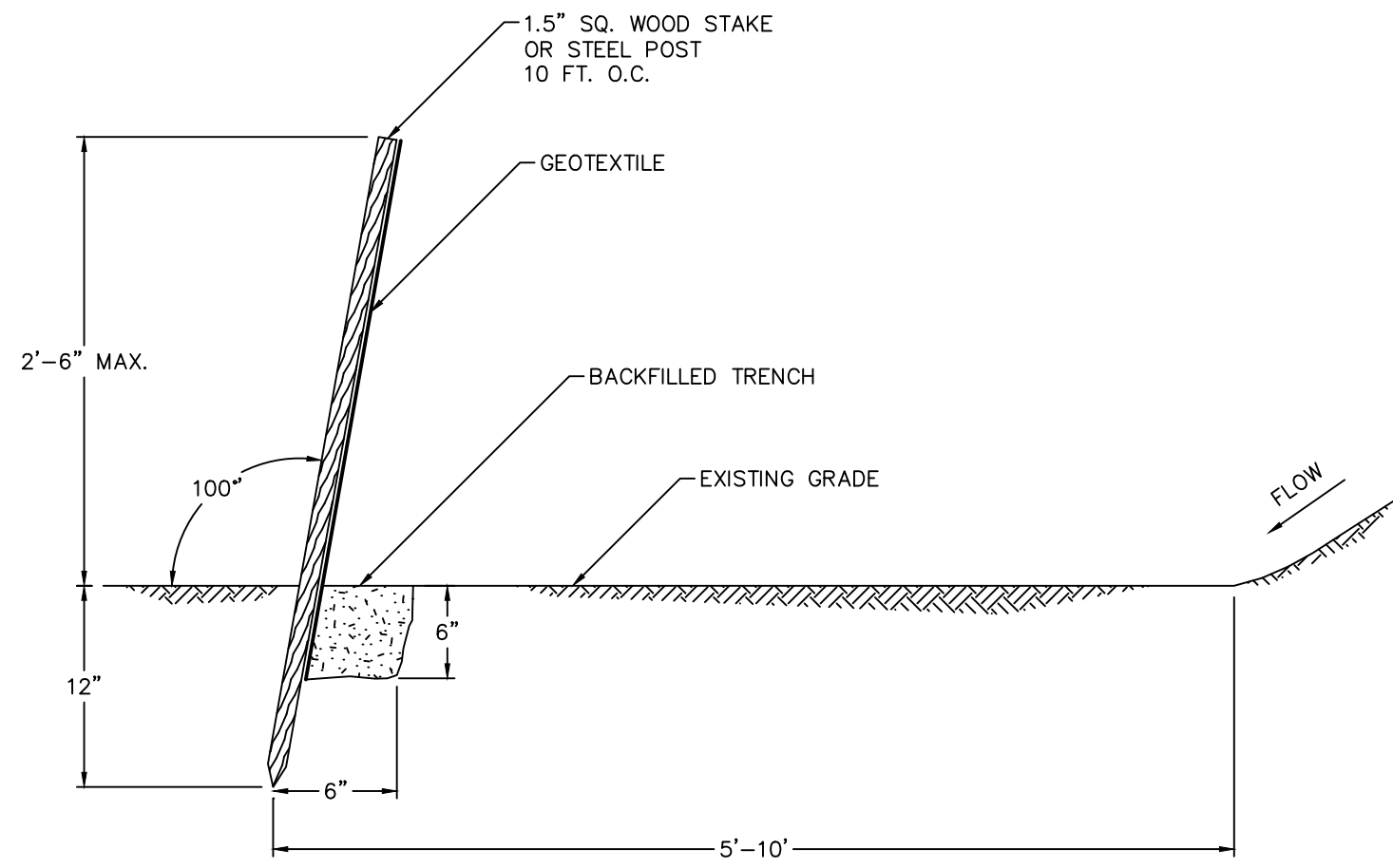
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CITY OF MERIDEN
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 BRIDGE REPLACEMENTS AND UTILITY IMPROVEMENTS
 BUTLER STREET AND HANOVER STREET
 MERIDEN CONNECTICUT

PROJ. No.: 20170932.C38
 DATE: FEBRUARY 27, 2024
CD-101

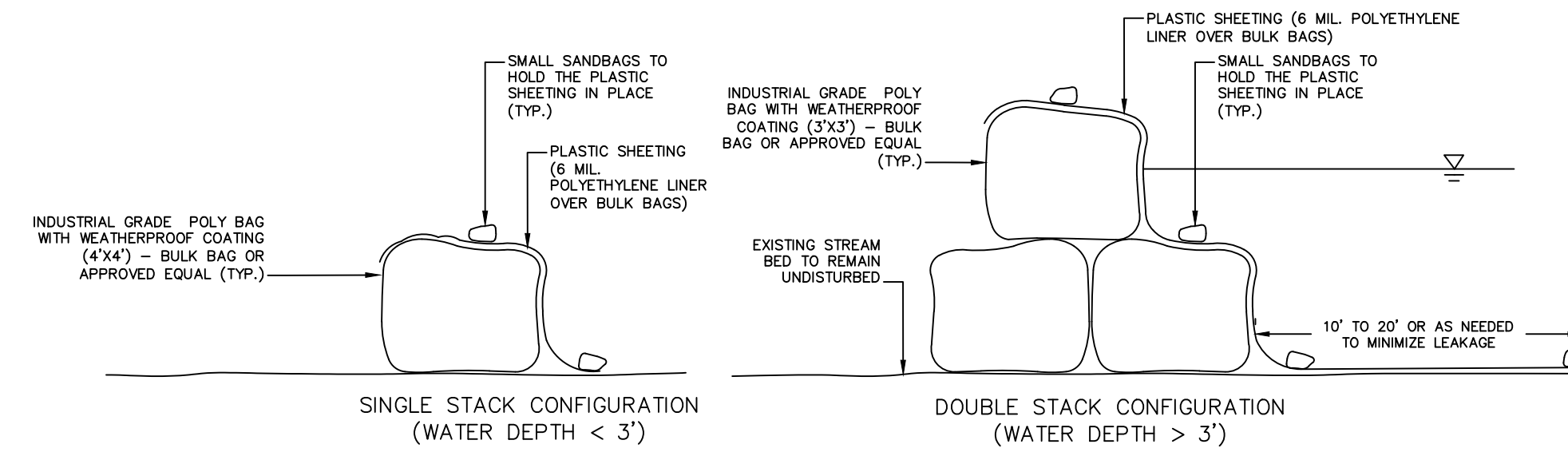
NOTES:

- 1.) INSTALL GEOTEXTILE FENCE & WOOD STAKES AS RECOMMENDED BY MANUFACTURER.
- 2.) GEOTEXTILE FENCE SUBJECT TO HEAVY LOADS SHALL BE REINFORCED WITH FARM FENCING & STEEL POSTS (0.5 POUNDS STEEL / LIN. FT.) THE MINIMUM POST LENGTH SHALL BE 5'-0".
- 3.) SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE FILAMENTS AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING REQUIREMENTS:



SEDIMENTATION CONTROL GEOTEXTILE FENCE SYSTEM

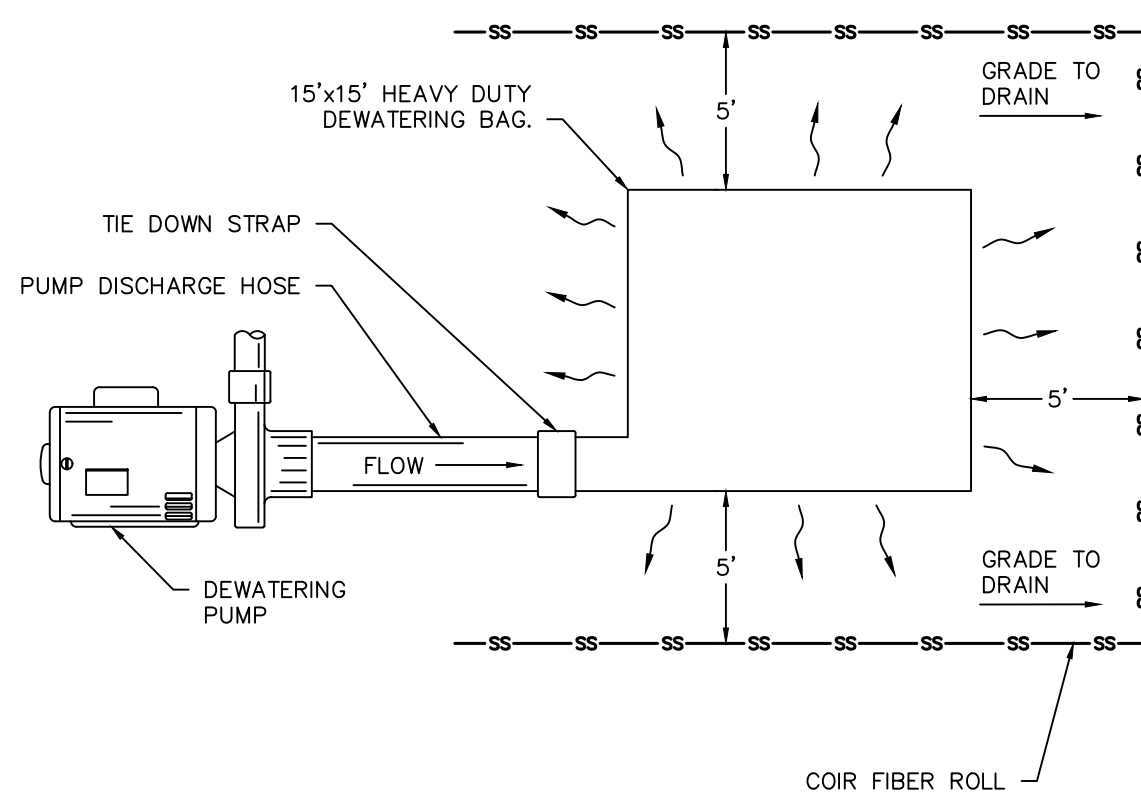
SCALE: NOT TO SCALE



- NOTES:**
1. REMOVE ALL SANDBAGS AND ACCUMULATED SEDIMENT AFTER NATURAL CHANNEL IN-RIVER CONSTRUCTION IS COMPLETE
 2. COFFERDAM TO BE LEFT IN PLACE SHALL BE SHEET PILE MATERIAL AND SHALL MEET THE REQUIREMENTS OF ASTM A328.

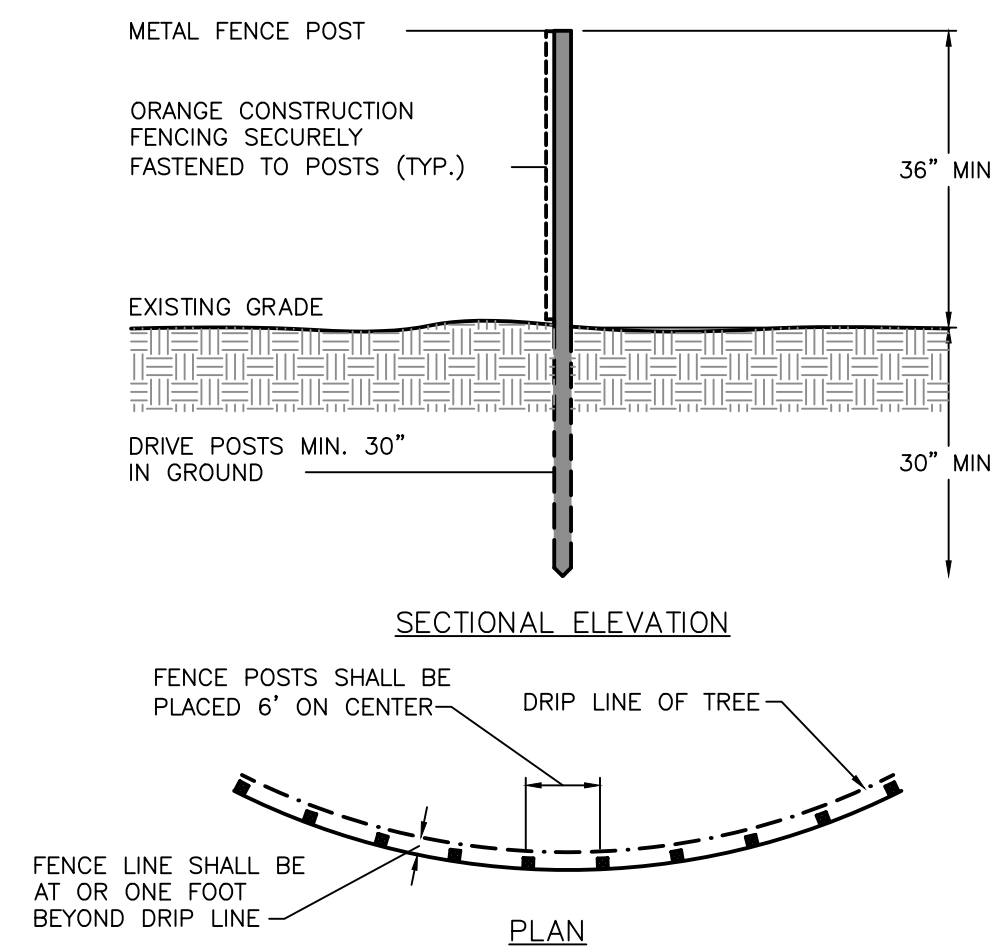
WATER HANDLING TEMPORARY SANDBAG COFFERDAM

SCALE: NOT TO SCALE



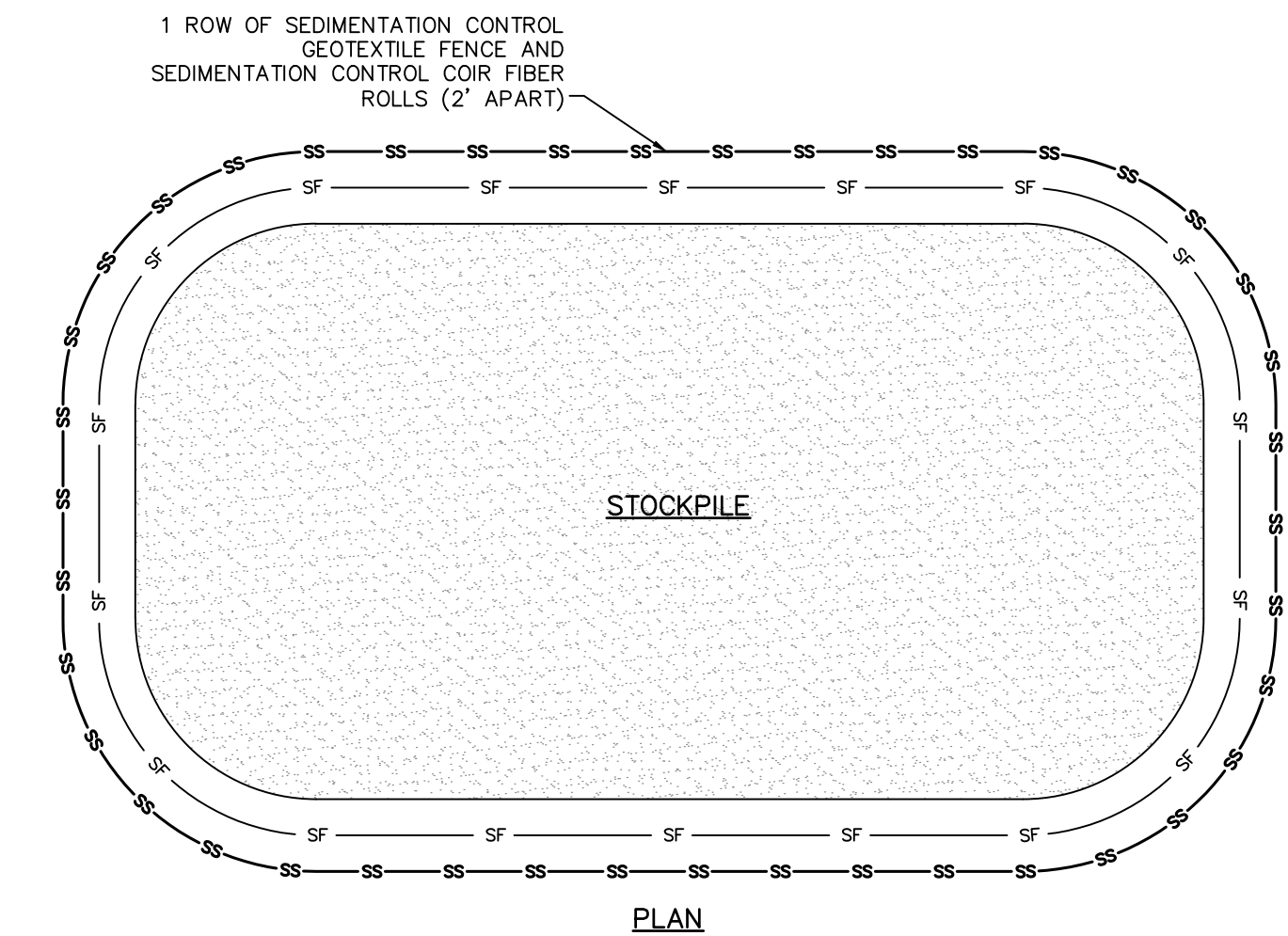
DEWATERING BAG

SCALE: NOT TO SCALE



TREE PROTECTION

SCALE: NOT TO SCALE



TEMPORARY STAGING AND STORAGE AREA

SCALE: NOT TO SCALE

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No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	SH	MG/DA



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 VERT.:
 DATUM:
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 VERT.:

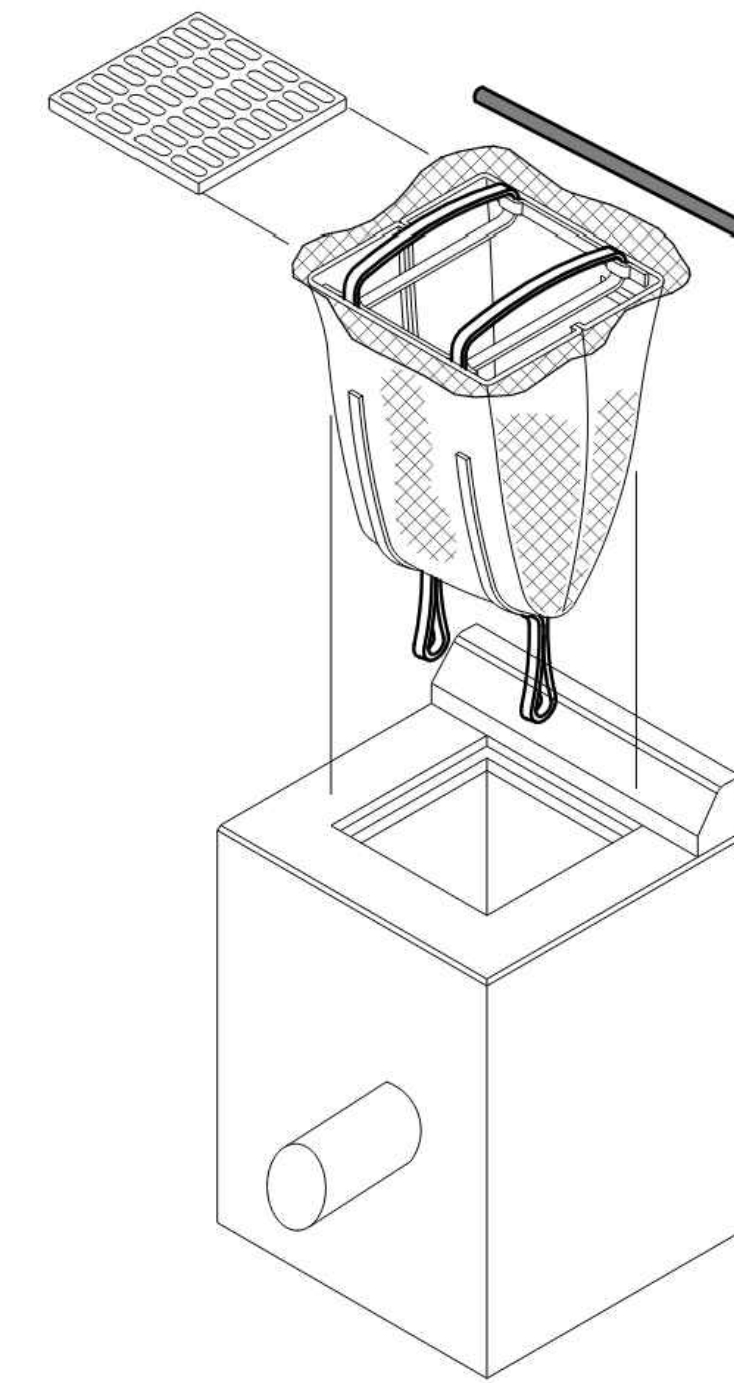
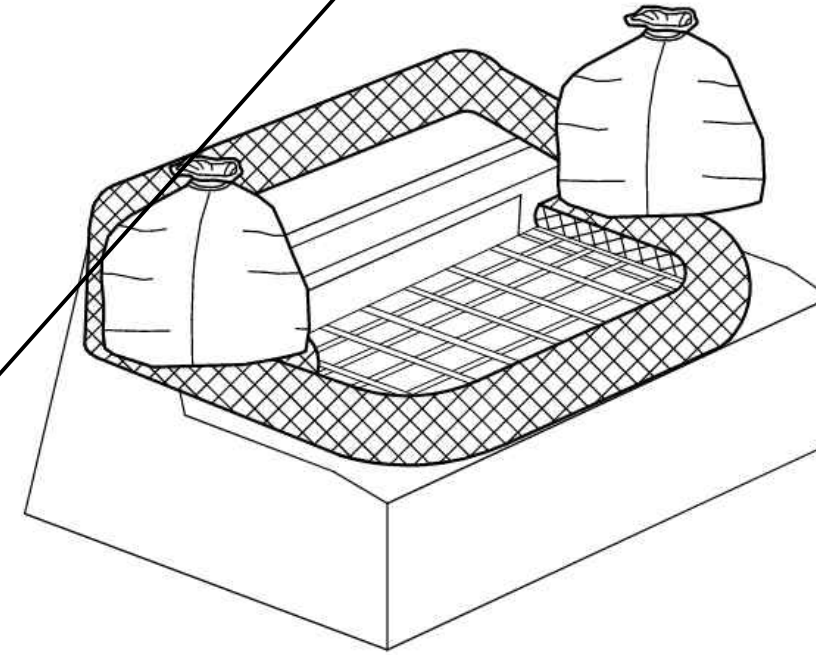
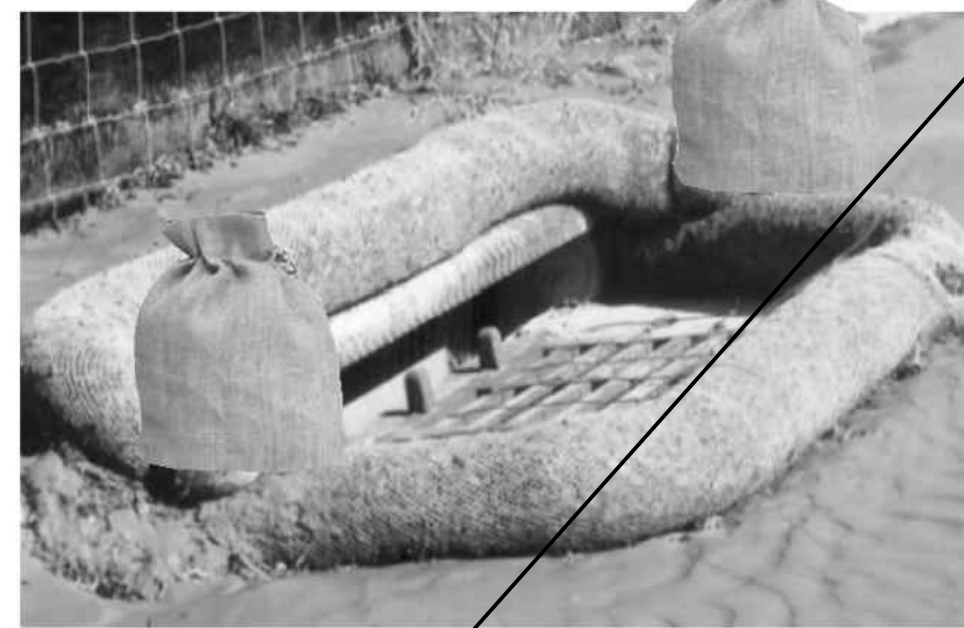
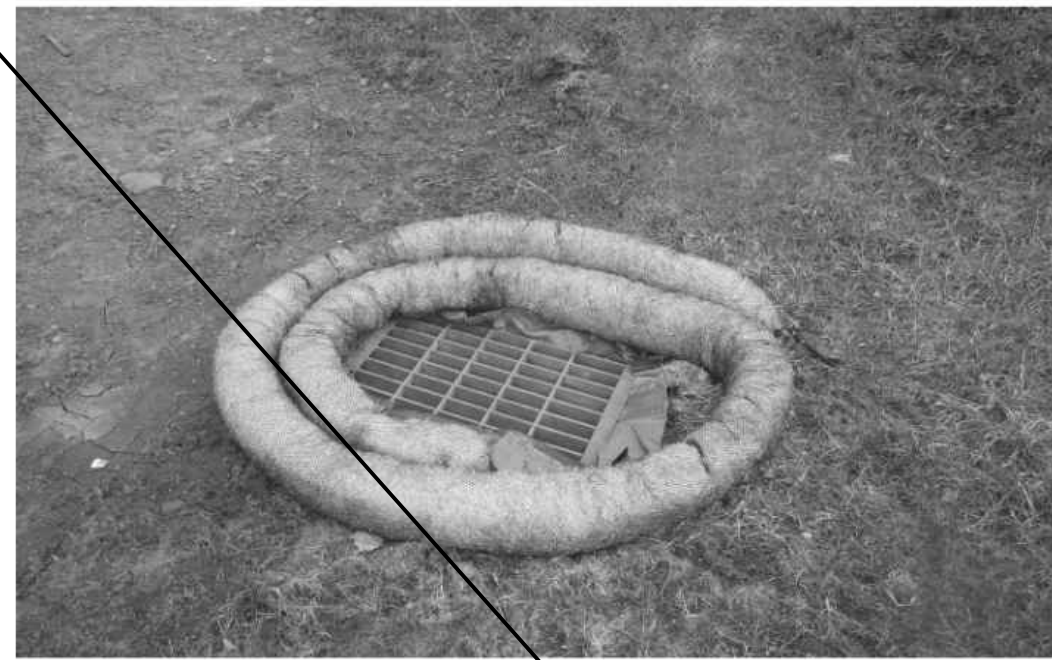
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PROJ. No.: 20170932.C38
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CD-102

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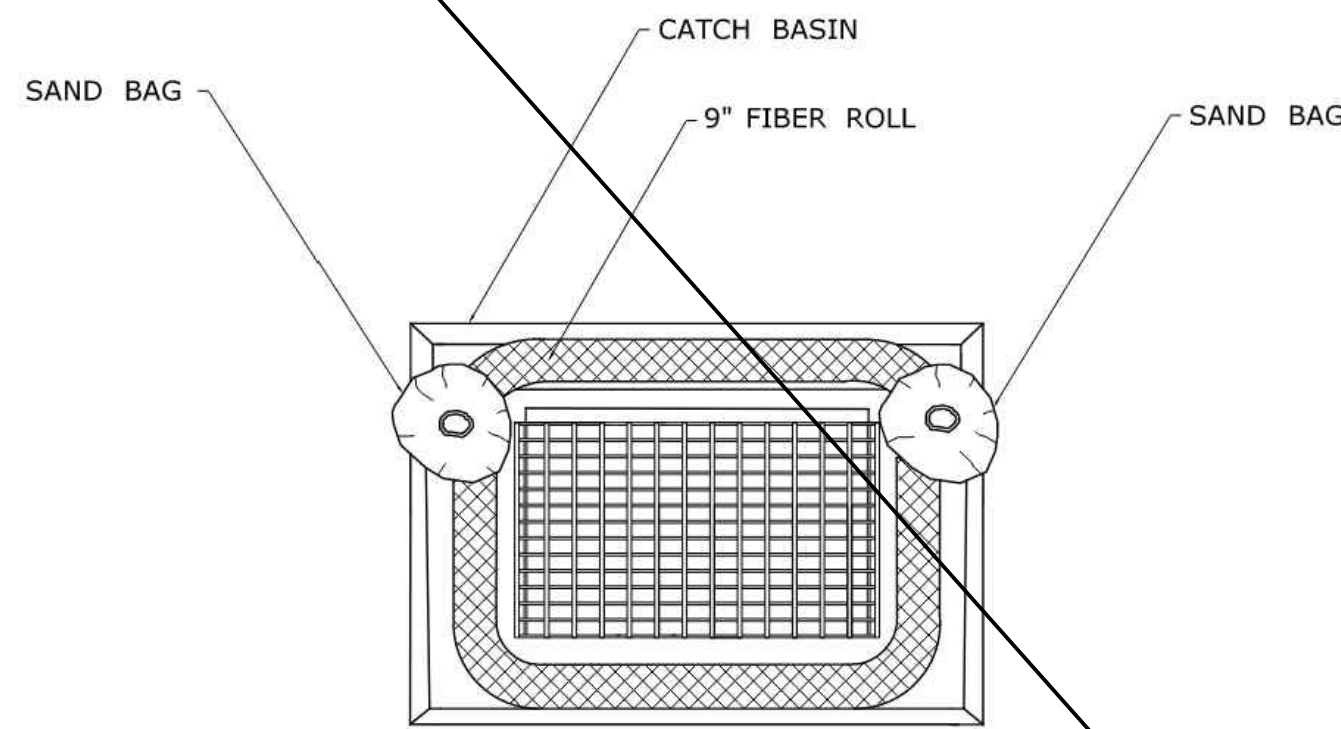
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**FIBER ROLL AROUND
TYPE "C" OR "C-L" CATCH BASIN TOP**

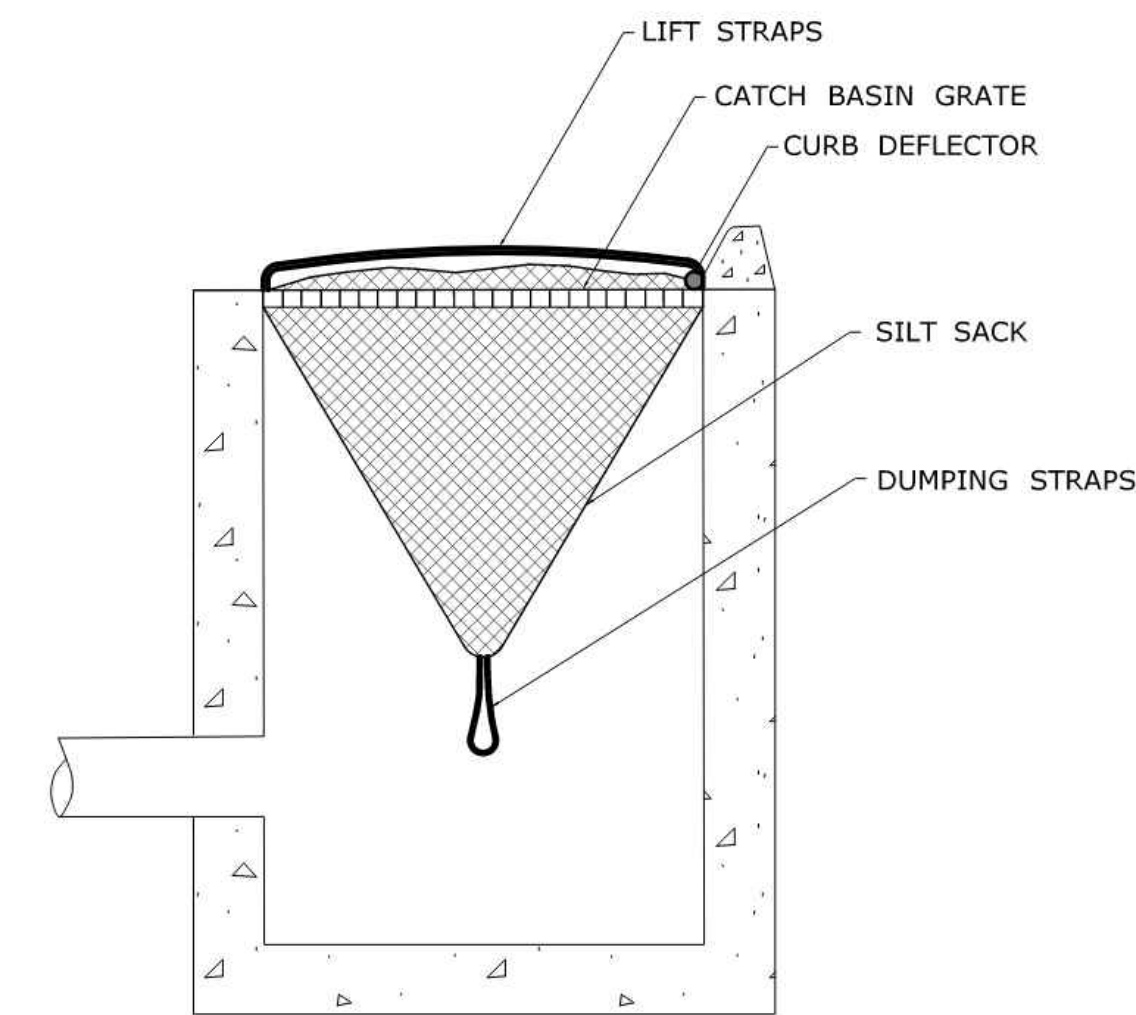
NOTE: THIS ITEM WILL BE MEASURED BY EACH SEDIMENT CONTROL SYSTEM AT CATCH BASIN

**SEDIMENTATION CONTROL SYSTEM AT
CATCH BASIN**

SCALE: NOT TO SCALE



PLAN



SECTION

REV.	DATE	REVISION DESCRIPTION

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 LASTED SAVED BY: _____ FILE NAME: W:\C\CONNECT_PDEV\CT_Configuration\Organization\Ce\CTDOT_Borders_Contract.ctb
 PLOTTED DATE: 11/23/2022

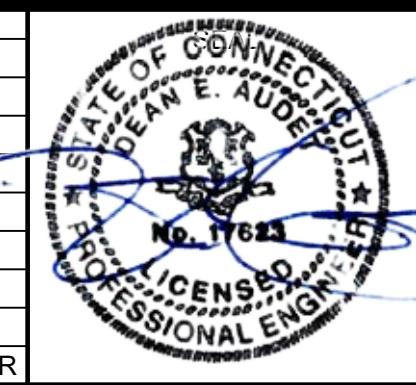
SIGNATURE/BLOCK: _____ APPROVED BY: _____
 OFFICE OF ENGINEERING
 2800 BERLIN TURNPIKE
 NEWINGTON, CT 06111



PROJECT NUMBER: 0000-0000
 PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
 TOWN(S): SAMPLE TOWN(S)
 DRAWING TITLE: EROSION CONTROL MEASURES AT CATCH BASINS - FIBER ROLL AND SILT SACK

DRAWING INFO
 SHEET NO. _____

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
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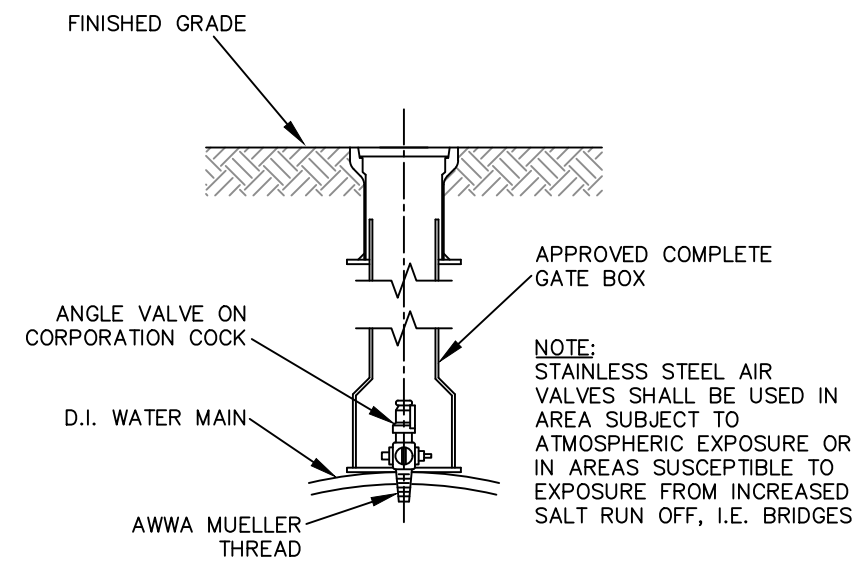
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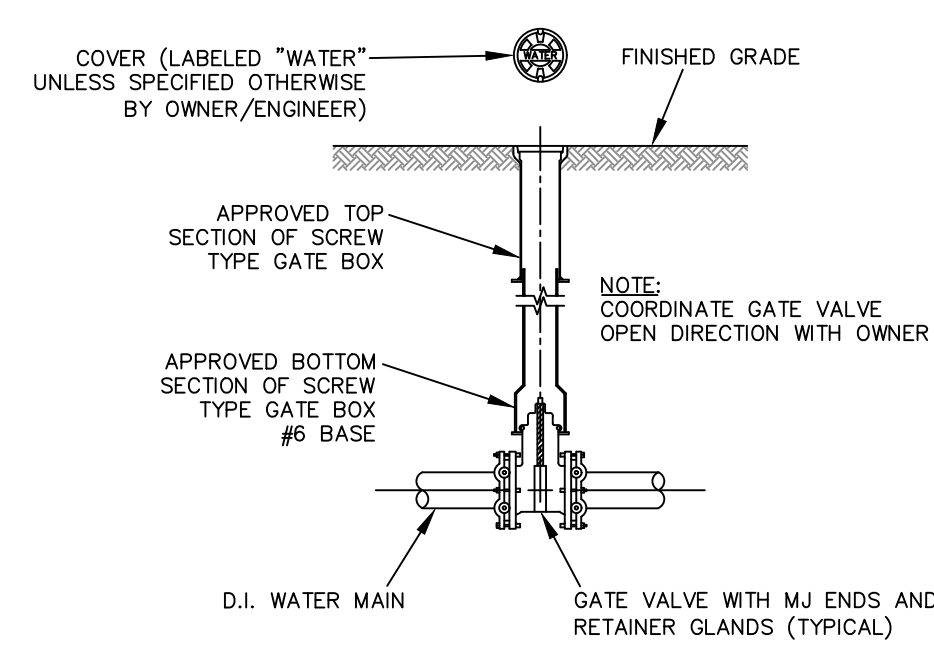
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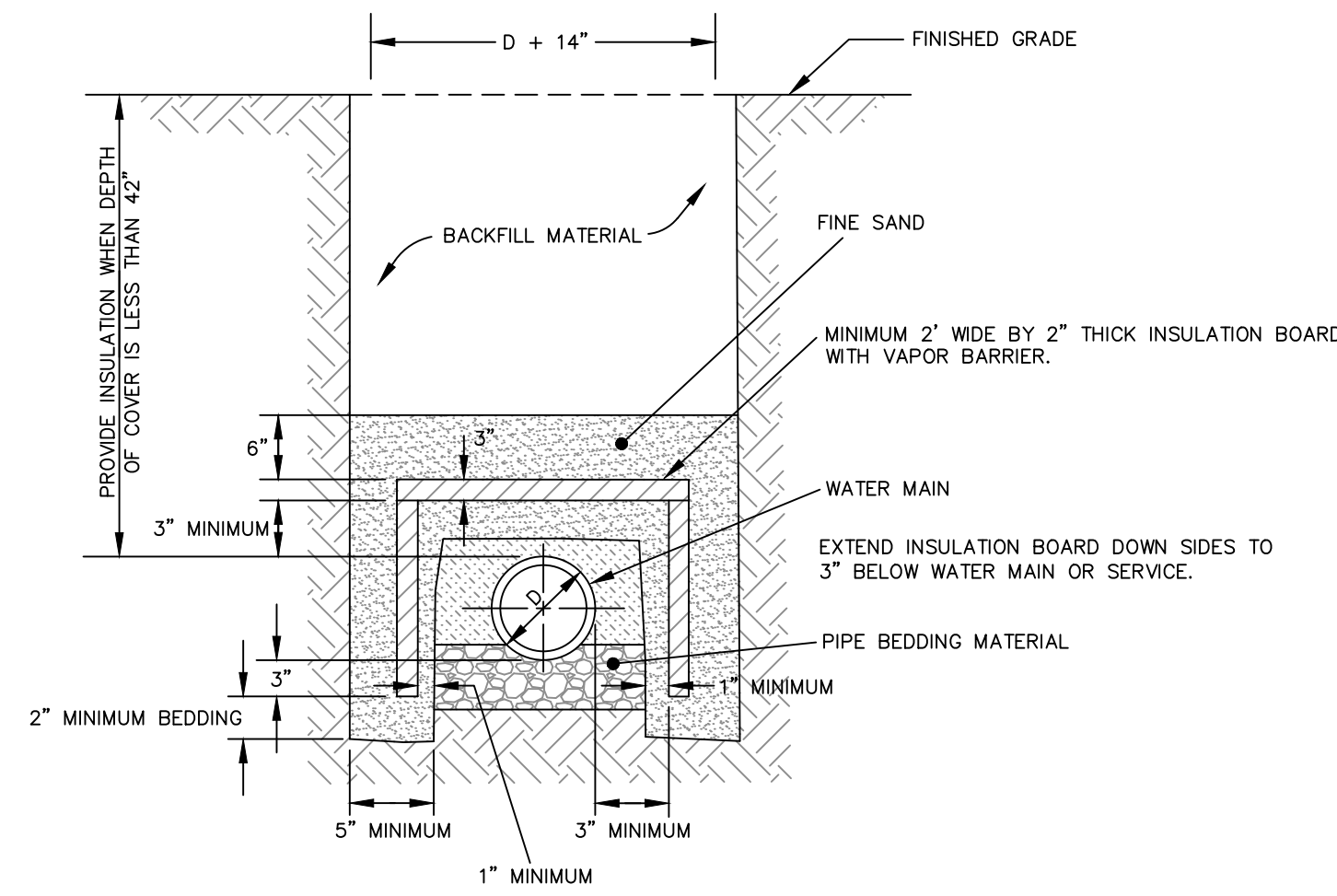
AIR VALVE

SCALE: NOT TO SCALE



GATE VALVE

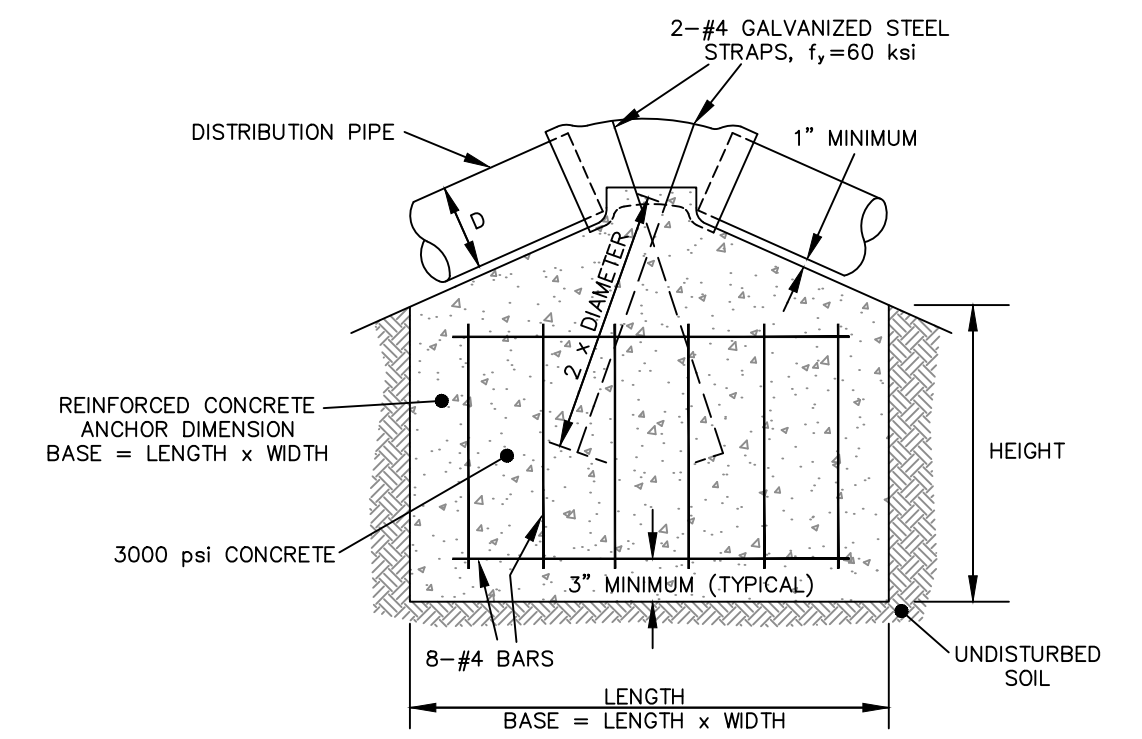
SCALE: NOT TO SCALE



- NOTES:
- INSULATION BOARD TO BE FOAMGLAS OR APPROVED EQUAL MEETING ASTM C-552 WITH A COMPRESSIVE STRENGTH OF 90 PSI.
 - VAPOR BARRIER TO BE PITTCOTE 300 OR APPROVED EQUAL.
 - BACKFILL MATERIAL AROUND INSULATION MUST BE FINE SAND FREE FROM ROOTS, ORGANIC MATTER, OR OTHER INJURIOUS MATERIALS.
 - MAINTAIN 3" MINIMUM CLEARANCE FROM WATER MAIN ON ALL SIDES.
 - FOR REDUCTION IN COVER ONLY WHERE RESULTANT COVER IS LESS THAN 42".

WATER MAIN TRENCH INSULATION DETAIL

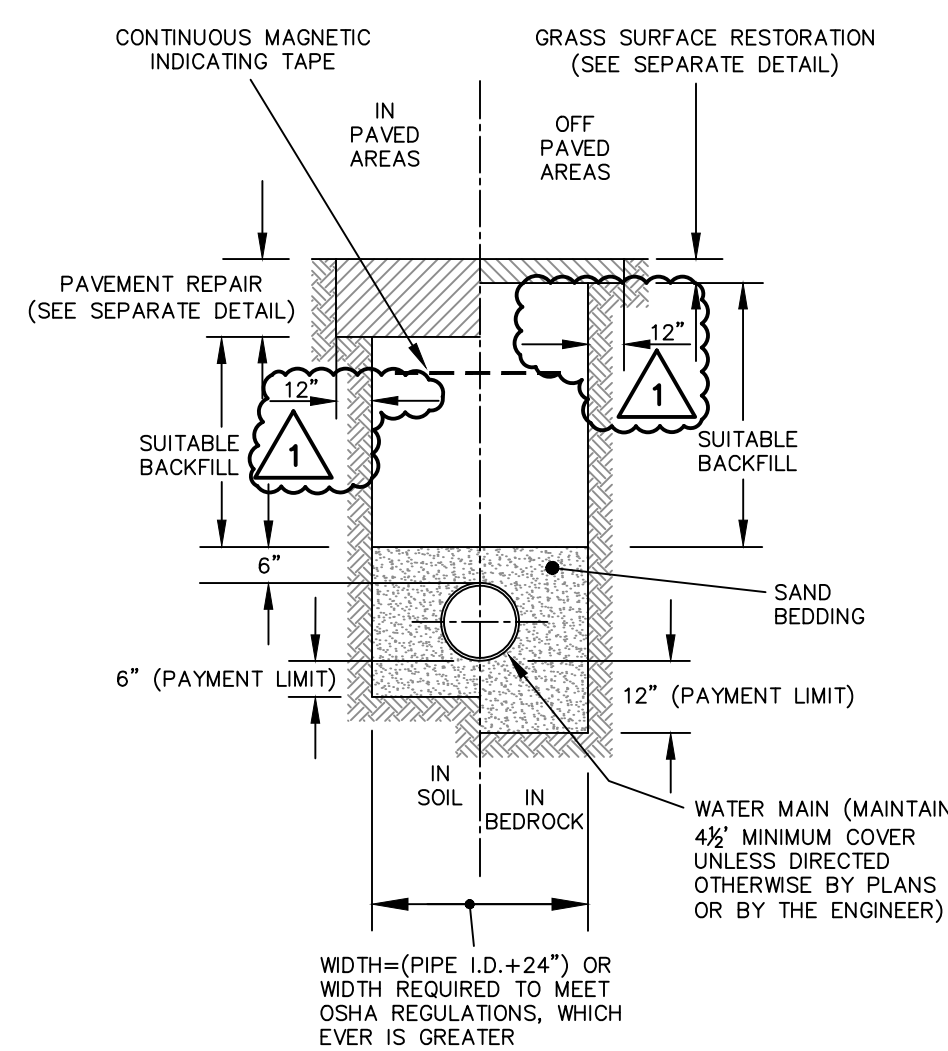
SCALE: NOT TO SCALE



TYPICAL CONCRETE ANCHOR

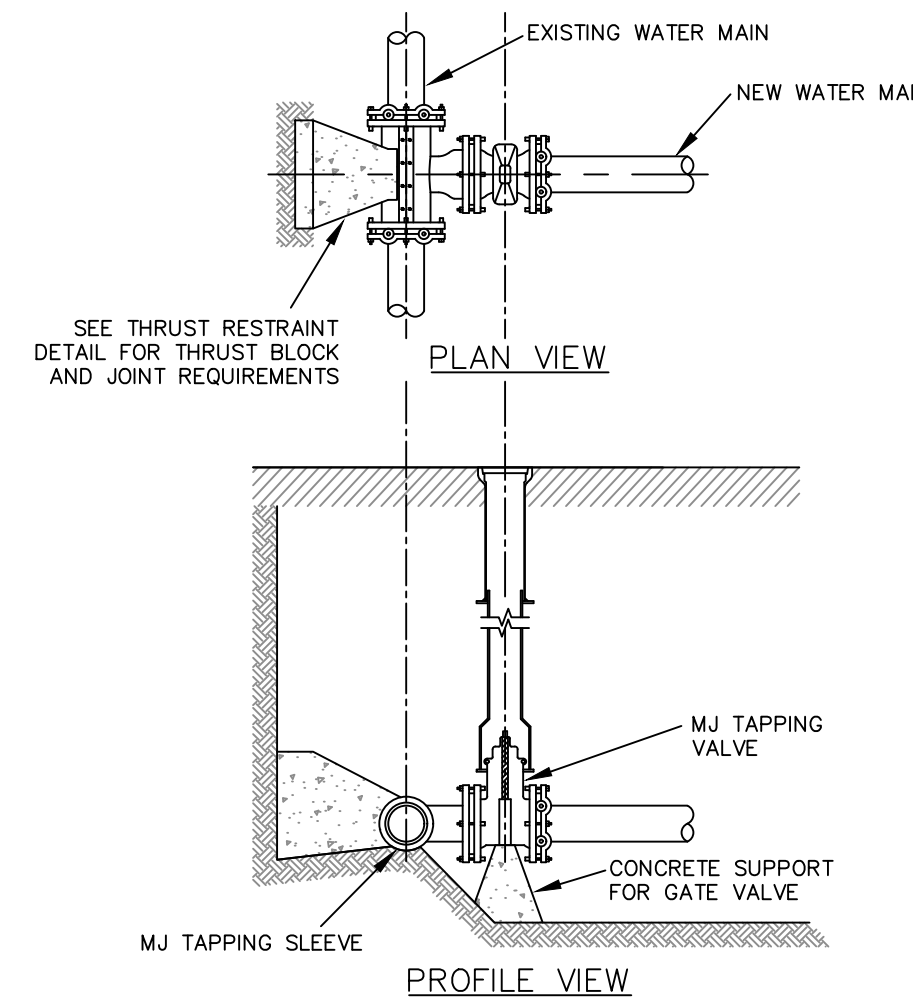
SCALE: NOT TO SCALE

PIPE DIAMETER (D) IN INCHES	BEND				
	45°	60°	22 1/2°		
VOLUME OF CONCRETE REQUIRED (CF)	157	74	43	81	
TYPICAL DIMENSIONS IN FEET	LENGTH	6.33	5	4	5.25
	WIDTH	6.33	5	4	5.25
	HEIGHT	4	3	3	3



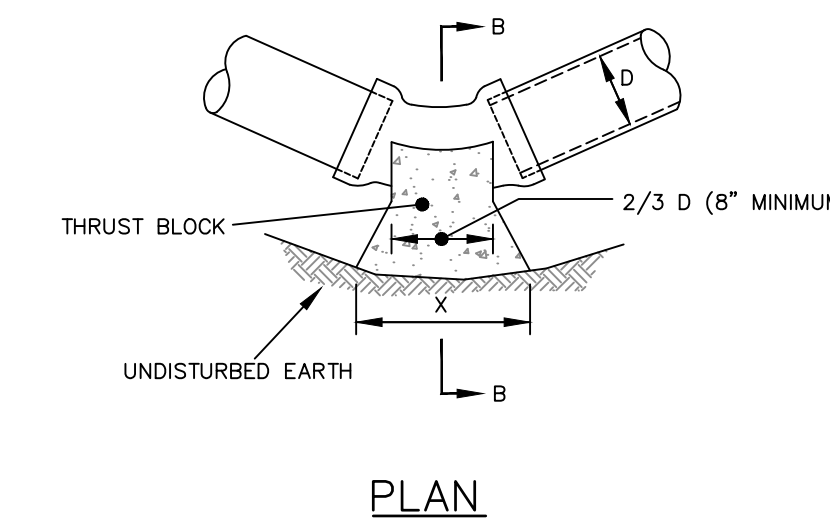
WATER MAIN TRENCH

SCALE: NOT TO SCALE



MUELLER H-615 TAPPING SLEEVE & VALVE (NO AVK TAPPING VALVES)

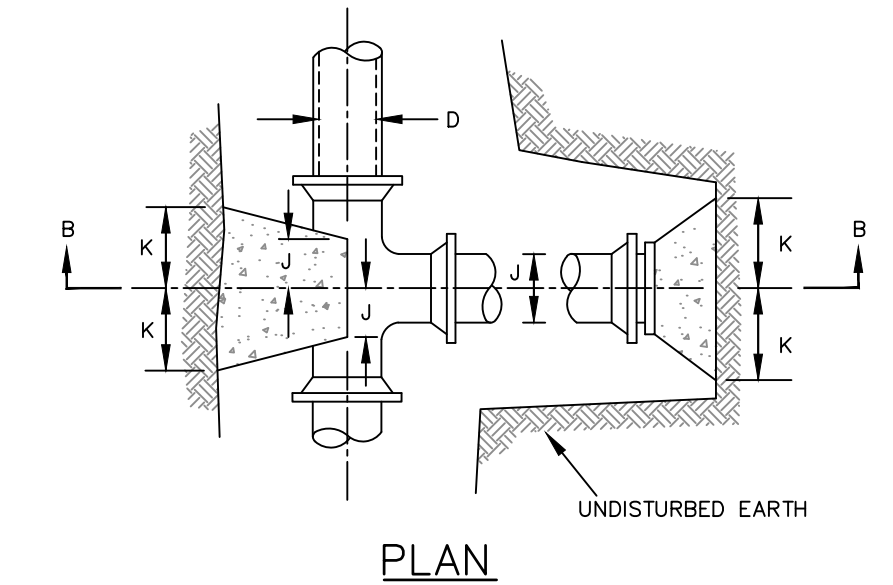
SCALE: NOT TO SCALE



SECTION A-A

- ALL CONCRETE SHALL BE 3000 PSI @ 28 DAYS.
- DIMENSIONS SHOWN ARE MINIMUM AND ARE BASED UPON SOIL PRESSURE OF 2000 PSF AND STATIC WATER PRESSURE OF 200 PSI.
- THRUST BLOCKS SHALL BEAR AGAINST UNDISTURBED EARTH.

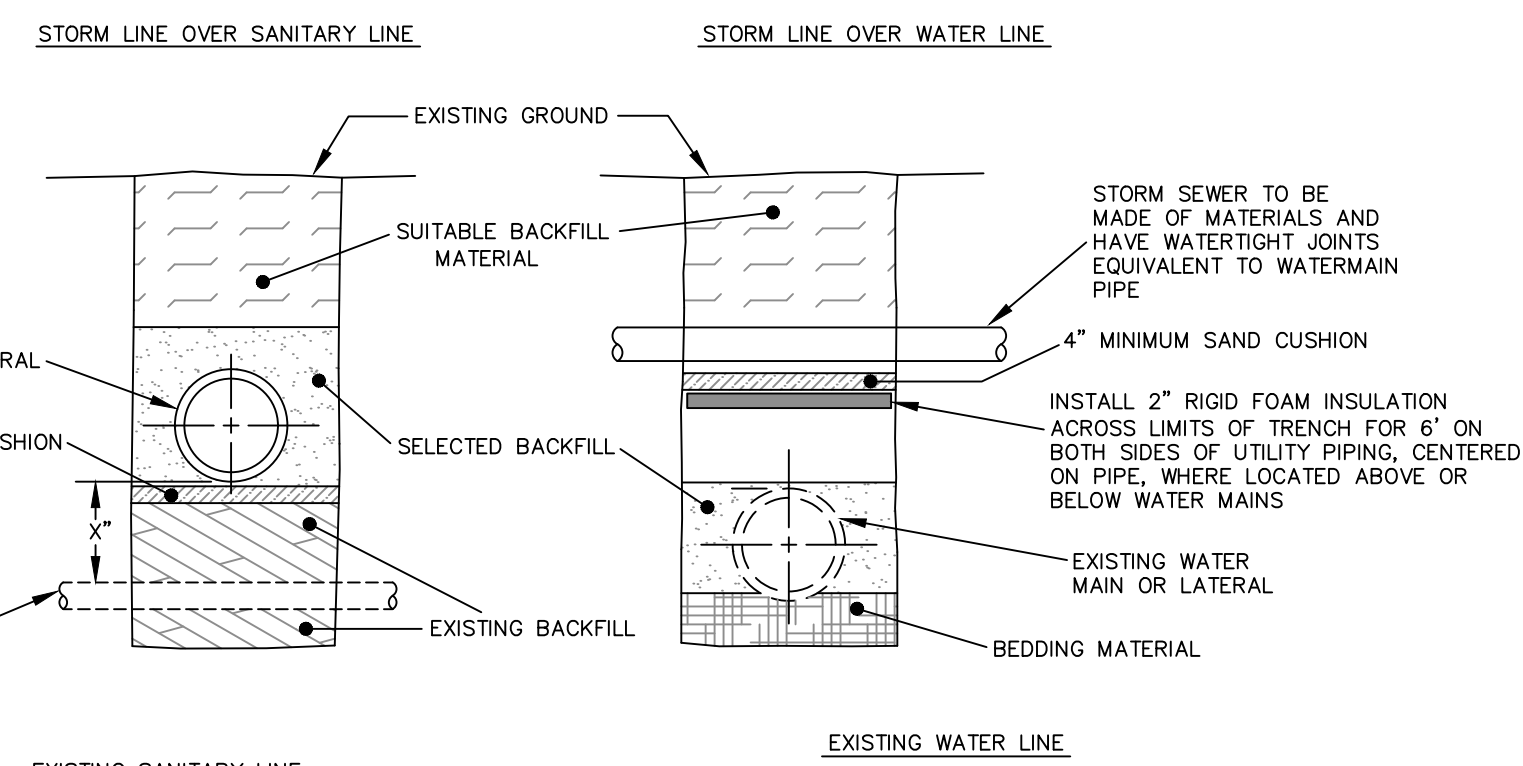
DIMENSION	90° BEND		45° BEND		22 1/2° BEND		11 1/4° BEND													
D (in)	6	8	10	12	16	6	8	10	12	16	6	8	10	12	16					
X (in)	26	37	42	54	70	18	26	34	38	51	21	19	24	28	38	9	14	16	20	28
Y (in)	15	18	24	26	35	12	14	16	20	26	10	10	12	14	18	6	7	9	10	12



SECTION B-B

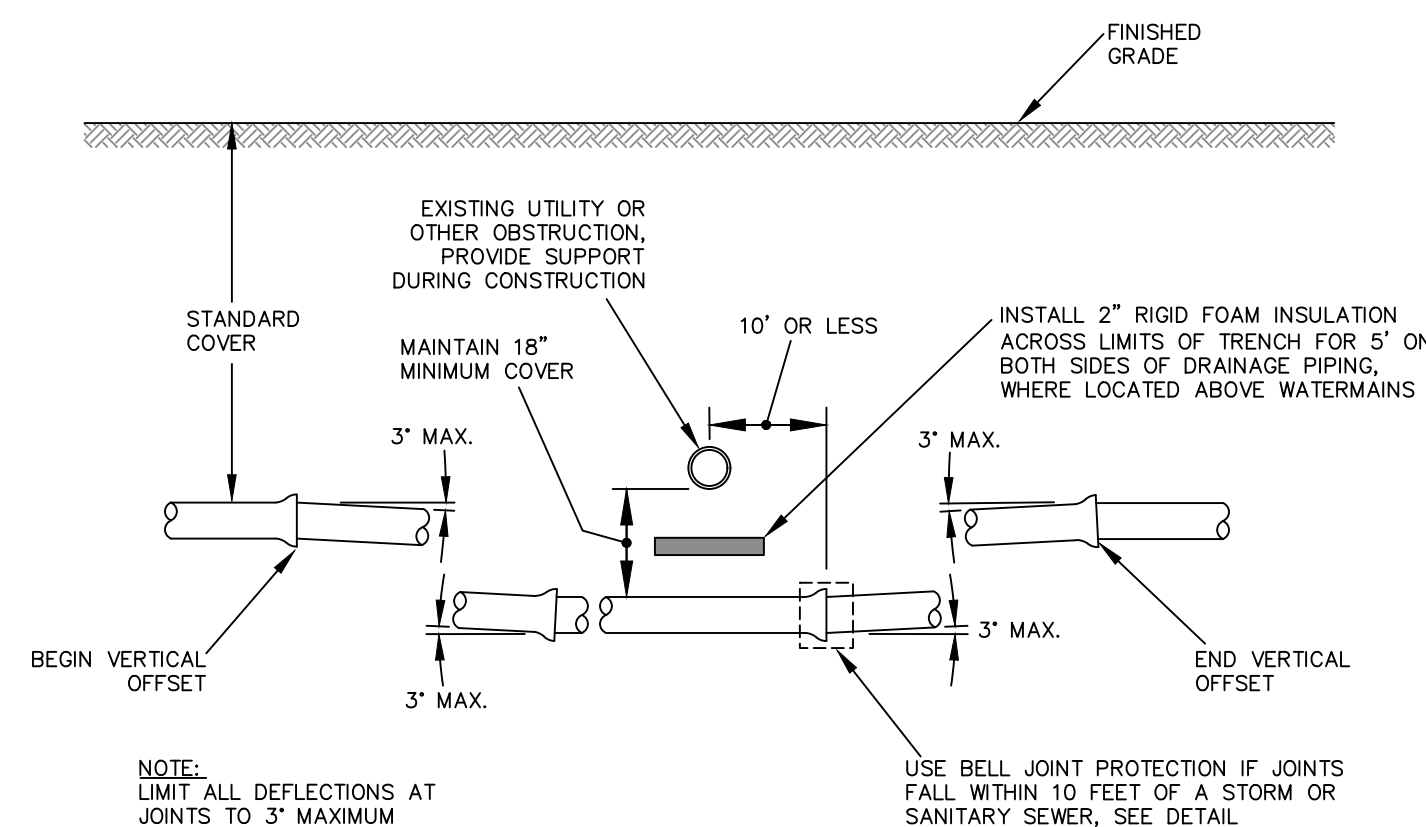
- ALL CONCRETE SHALL BE 3000 PSI @ 28 DAYS.
- DIMENSIONS SHOWN ARE MINIMUM AND ARE BASED UPON SOIL PRESSURE OF 2000 PSF AND STATIC WATER PRESSURE OF 200 PSI.
- THRUST BLOCKS SHALL BEAR AGAINST UNDISTURBED EARTH.

B (in)	6	8	10	12	16
J (in)	6	7	9	10	12
K (in)	12	15	20	24	30
L (in)	12	16	18	22	30



STORM LINE CONFLICTS

SCALE: NOT TO SCALE



GRADUAL VERTICAL OFFSET

SCALE: NOT TO SCALE

WATER MAIN BEND CONCRETE THRUST BLOCK DETAIL

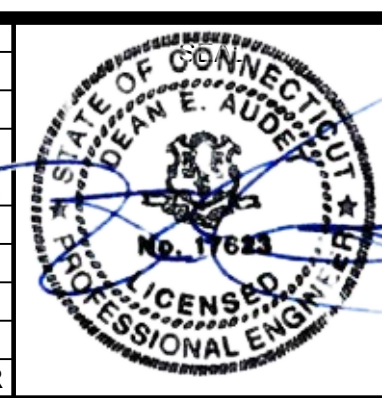
SCALE: NOT TO SCALE

WATER MAIN TEE / PLUG CONCRETE THRUST BLOCK

SCALE: NOT TO SCALE

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1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	SH	MG/DA



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SCALE:	HORIZ.: NOT TO SCALE
	VERT.:
DATUM:	HORIZ.:
	VERT.:

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CITY OF MERIDEN
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 BRIDGE REPLACEMENTS AND UTILITY IMPROVEMENTS
 BUTLER STREET AND HANOVER STREET
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PROJ. No.: 20170932.C38
 DATE: FEBRUARY 27, 2024
CD-107

NOTES

- FOOTING DESIGN TO BE CHECKED BY AN ENGINEER FOR WIND LOADS IF SLATS ARE USED OR IF POOR SOIL CONDITIONS EXIST.
- STRAIGHT RUNS BETWEEN BRACED POSTS SHALL NOT EXCEED 500 FT.
- FENCE DETAILS ARE INTENDED AS A GUIDE ONLY. ALL FENCE MATERIALS AND CONSTRUCTION METHODS SHALL BE APPROVED BY THE ENGINEER AND FENCE MANUFACTURER.

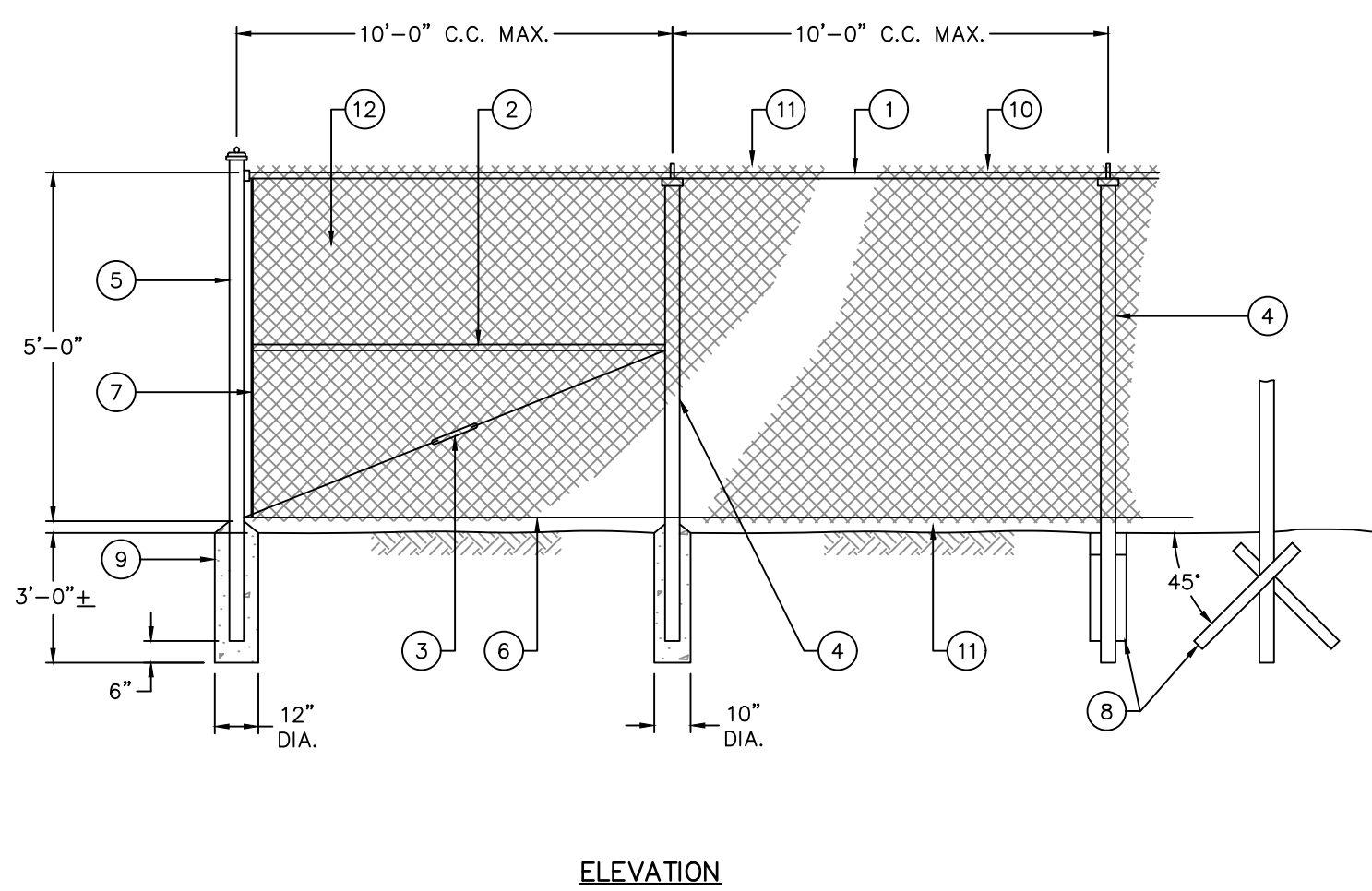
CHAIN LINK FENCE LEGEND

- 1 5/8" O.D. TOP RAIL ATTACH FABRIC WITH 9 GAUGE WIRE CLIP EVERY 24"
- 1 5/8" O.D. BRACE FOR RAIL FENCES OVER 6 FEET HIGH AND ALL FENCES WITHOUT TOP RAIL
- 5/16" TRUSS ROD AND TURNBUCKLE
- INTERMEDIATE POST

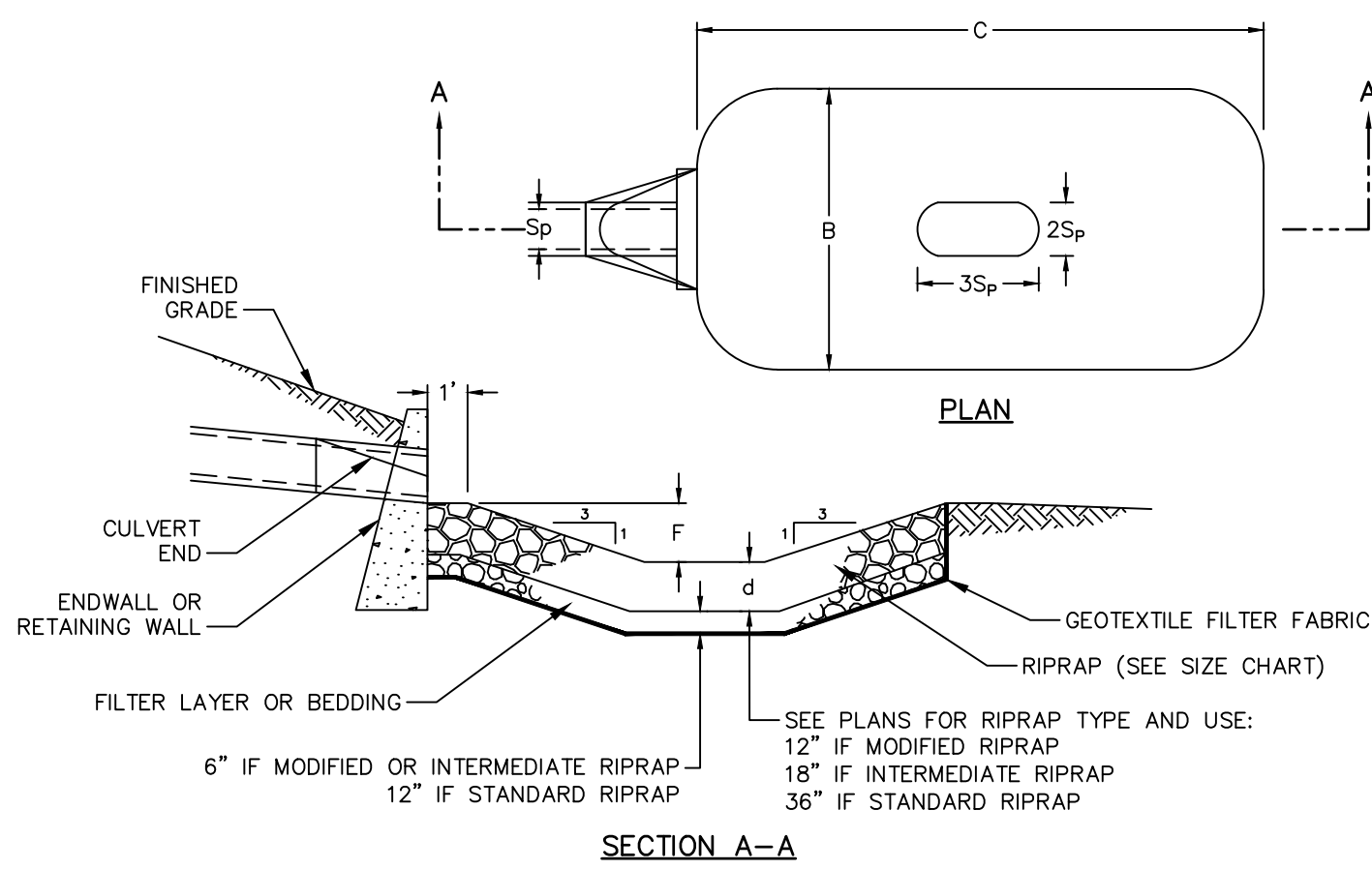
FENCE HEIGHT	SQUARE POST	ROUND POST
6 FEET AND LESS	1 7/8"	2"
OVER 6 FEET	2 1/4"	2 1/2"

 ATTACH TO C.L. FABRIC WITH CLIPS EVERY 15"
- END OR CORNER POST

FENCE HEIGHT	SQUARE POST	ROUND POST
6 FEET AND LESS	2"	2 1/2"
OVER 6 FEET	2 1/2"	3"
- 6 GAUGE BOTTOM TENSION WIRE ATTACH TO FABRIC WITH HOG RING AT 24" C.C.
- TENSION ROD ATTACHED TO END OR CORNER POST
- 2 30" MIN. LENGTH DRIVE ANCHORS DRIVEN THROUGH FITTINGS AT 90° TO FENCE LINE INTO EARTH AT 45° (TO BE USED IN PLACE OF CONCRETE FOOTING. SEE FOOTING DESIGN NOTE NO. 1)
- CONCRETE FOOTING 36" DEEP WITH 12" DIA. AT END POST AND 10" DIA. AT INTERMEDIATE POST. HOLE CORE IN UNDISTURBED OR COMPACTED SOIL. (SEE NOTE NO. 1)
- 6 GAUGE TENSION WIRE WHEN TOP RAIL IS NOT USED.
- FABRIC SELVAGE:
 UNDER 6 FEET SHALL BE KNUCKLED TOP AND BOTTOM
 6 FEET AND OVER SHALL BE KNUCKLED BOTTOM AND TWISTED ON THE TOP
 RECREATIONAL FENCING, REGARDLESS OF HEIGHT, SHALL BE KNUCKLED TOP AND BOTTOM
- 9 GAUGE 2" WIRE MESH FABRIC (COMMERCIAL) BLACK VINYL COATED.



CHAIN LINK FENCE
SCALE: NOT TO SCALE

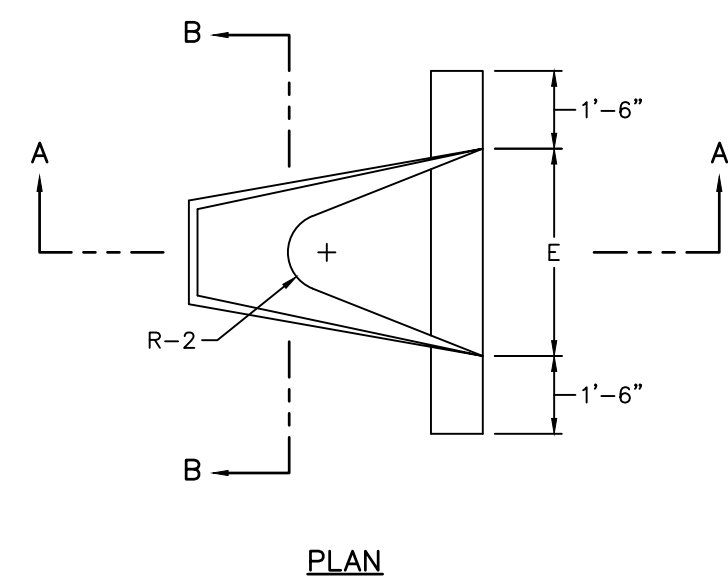


PIPE SIZE	TYPE 1										
	12" OR LESS	15"	18"	24"	30"	36"	42"	48"	54"	60"	
B	5'	6'	8'	10'	13'	15'	18'	20'	23'	25'	
C	6'	8'	9'	12'	15'	18'	21'	24'	27'	30'	
d	DEPENDS ON RIPRAP TYPE (SEE PLANS)										
2Sp	2.0'	2.6'	3.0'	4.0'	5.0'	6.0'	7.0'	8.0'	9.0'	10.0'	
3Sp	3.0'	3.9'	4.5'	6.0'	7.5'	9.0'	10.5'	12.0'	13.5'	15.0'	
F=0.5Sp	0.5'	0.625'	0.75'	1.0'	1.25'	1.5'	1.75'	2.0'	2.25'	2.5'	
PIPE SIZE	TYPE 2										
	8"	10"	12"	16"	20"	24"	28"	32"	36"	40"	
B	8'	10'	12'	16'	20'	24'	28'	32'	36'	40'	
C	9'	11'	14'	18'	23'	27'	32'	36'	41'	45'	
d	DEPENDS ON RIPRAP TYPE (SEE PLANS)										
2Sp	2'	2.6'	3.0'	4.0'	5.0'	6.0'	7.0'	8.0'	9.0'	10.0'	
3Sp	3'	3.9'	4.5'	6.0'	7.5'	9.0'	10.5'	12.0'	13.5'	15.0'	
F=Sp	1'	1.3'	1.5'	2.0'	2.5'	3.0'	3.5'	4.0'	4.5'	5.0'	

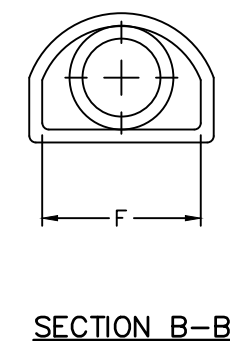
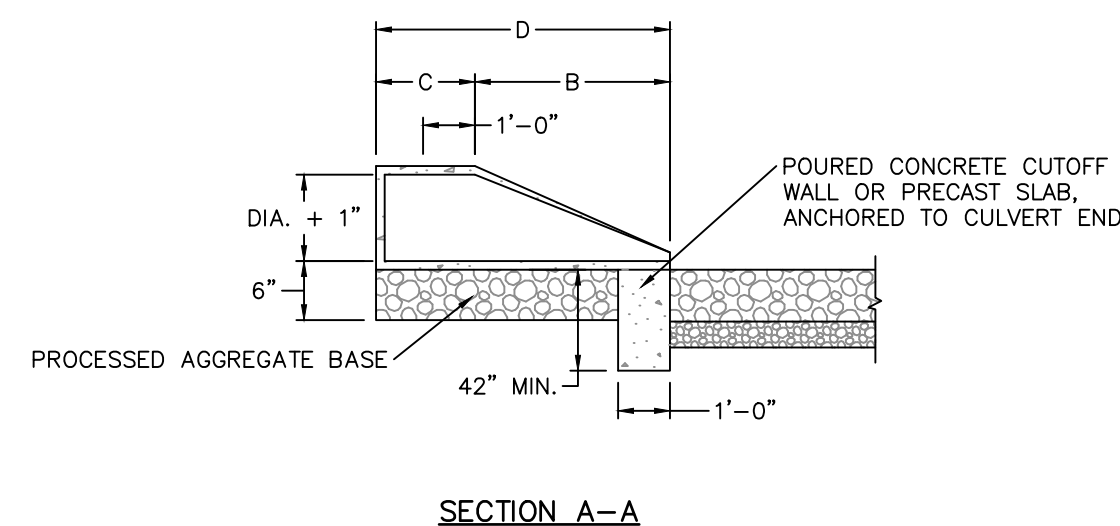
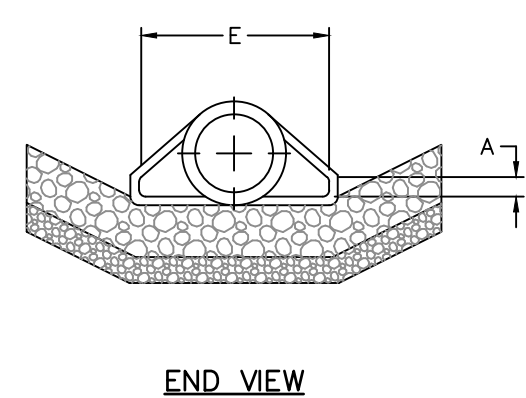
NOTES:

- SEE DRAINAGE PLANS FOR STILLING BASIN RIPRAP TYPE.

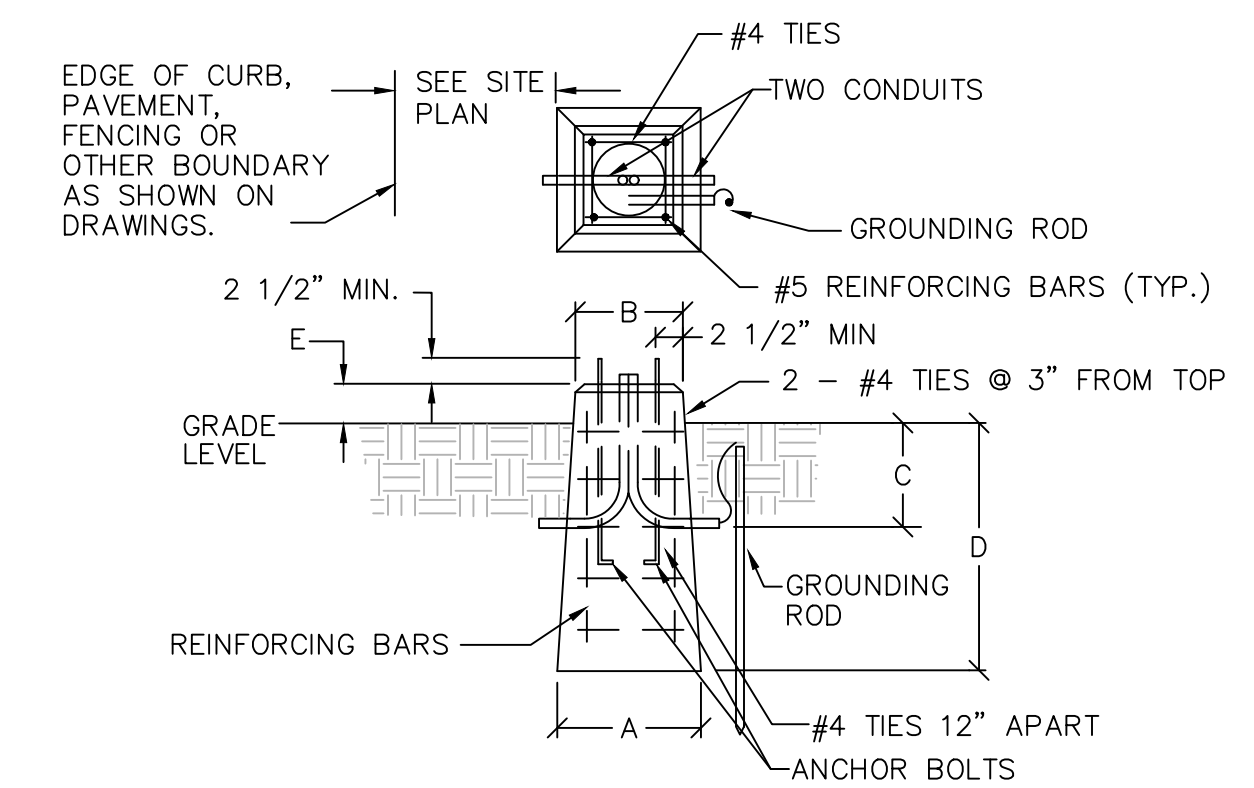
STILLING BASIN
SCALE: NOT TO SCALE



DIA.	DIMENSIONS					
	A	B	C	D	E	F
12"	4"	2'-0"	6'-0 3/8"	6'-0 3/8"	2'-0"	1'-7 15/16"
15"	6"	2'-3"	3'-10"	6'-1"	2'-6"	2'-0 5/16"
18"	9"	2'-3"	3'-10"	6'-1"	3'-0"	2'-5"
24"	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	2'-9 3/16"
30"	1'-0"	4'-6"	1'-7 3/4"	6'-1 3/4"	5'-0"	3'-1"
36"	1'-3"	5'-3"	2'-10 3/4"	8'-1 3/4"	6'-0"	3'-11 13/16"
42"	1'-9"	5'-3"	2'-11"	8'-2"	6'-6"	4'-5 7/8"
48"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	4'-8 1/2"



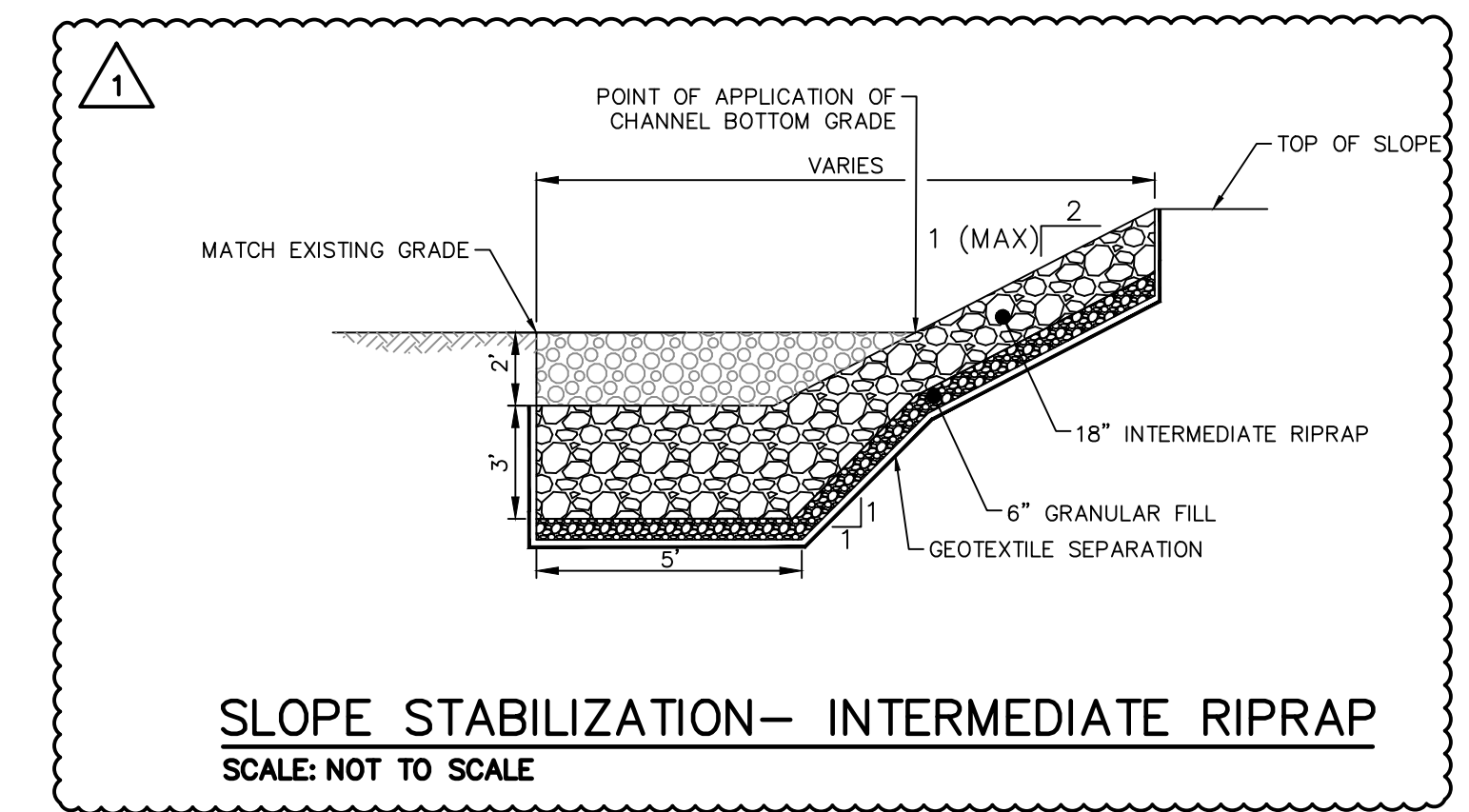
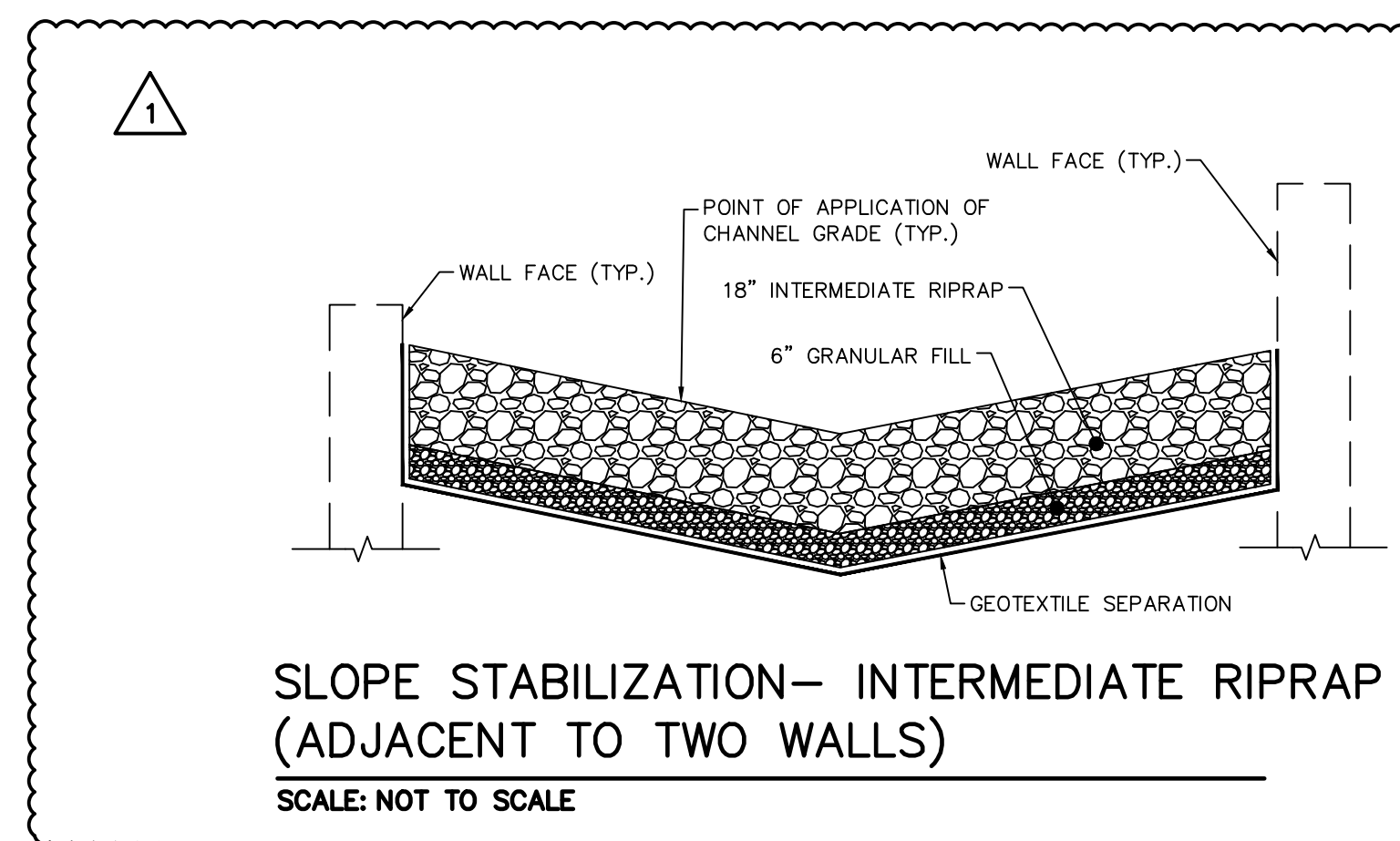
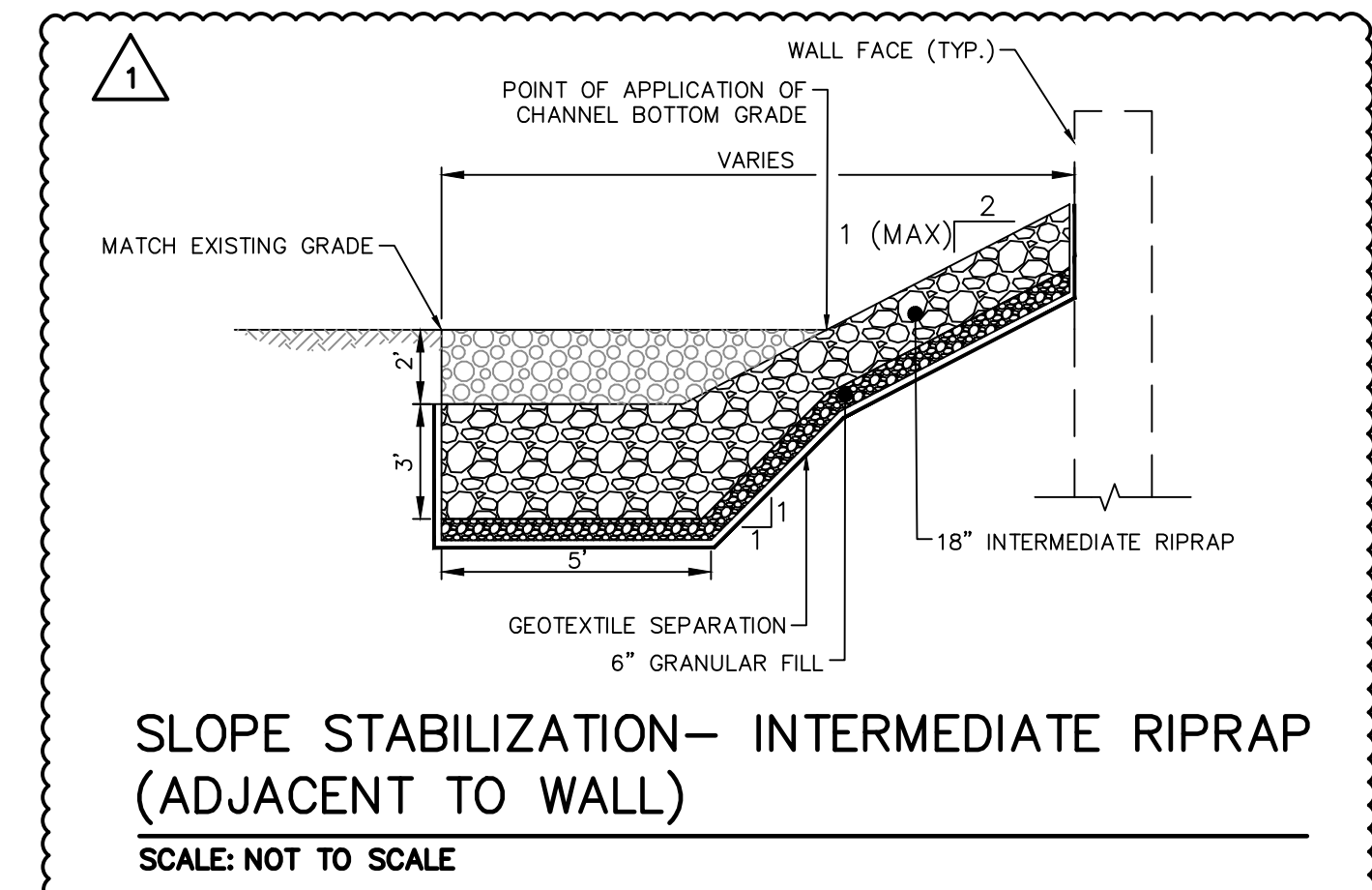
REINFORCED CONCRETE DRAINAGE PIPE END
SCALE: NOT TO SCALE



- NUMBER, PATTERN AND SIZE OF ANCHOR BOLTS TO BE SPECIFIED BY LIGHTING POLE MANUFACTURER.
- 4,000 PSI CONCRETE CURED FOR 7 DAYS PRIOR TO BACKFILL.
- NO. 6 REINFORCING BARS, ASTM A 615, GRADE 60 WITH MINIMUM 2" COVER.
- EACH LIGHTING POLE SHALL BE GROUNDED WITH 8' LONG 3/4" DIAMETER COPPER GROUNDING ROD AND #6 AWG BAR COPPER CONDUCTOR. TOP OF GROUNDING ROD SHALL BE 6" BELOW GRADE.

FIXTURE TYPE	SQUARE POLE BASE DIMENSIONS				
	DIMENSION "A"	DIMENSION "B"	DIMENSION "C"	DIMENSION "D"	DIMENSION "E"
A	18"	18"	24"	5'-9"	6"

LIGHT POLE BASE
SCALE: NOT TO SCALE



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SEAL

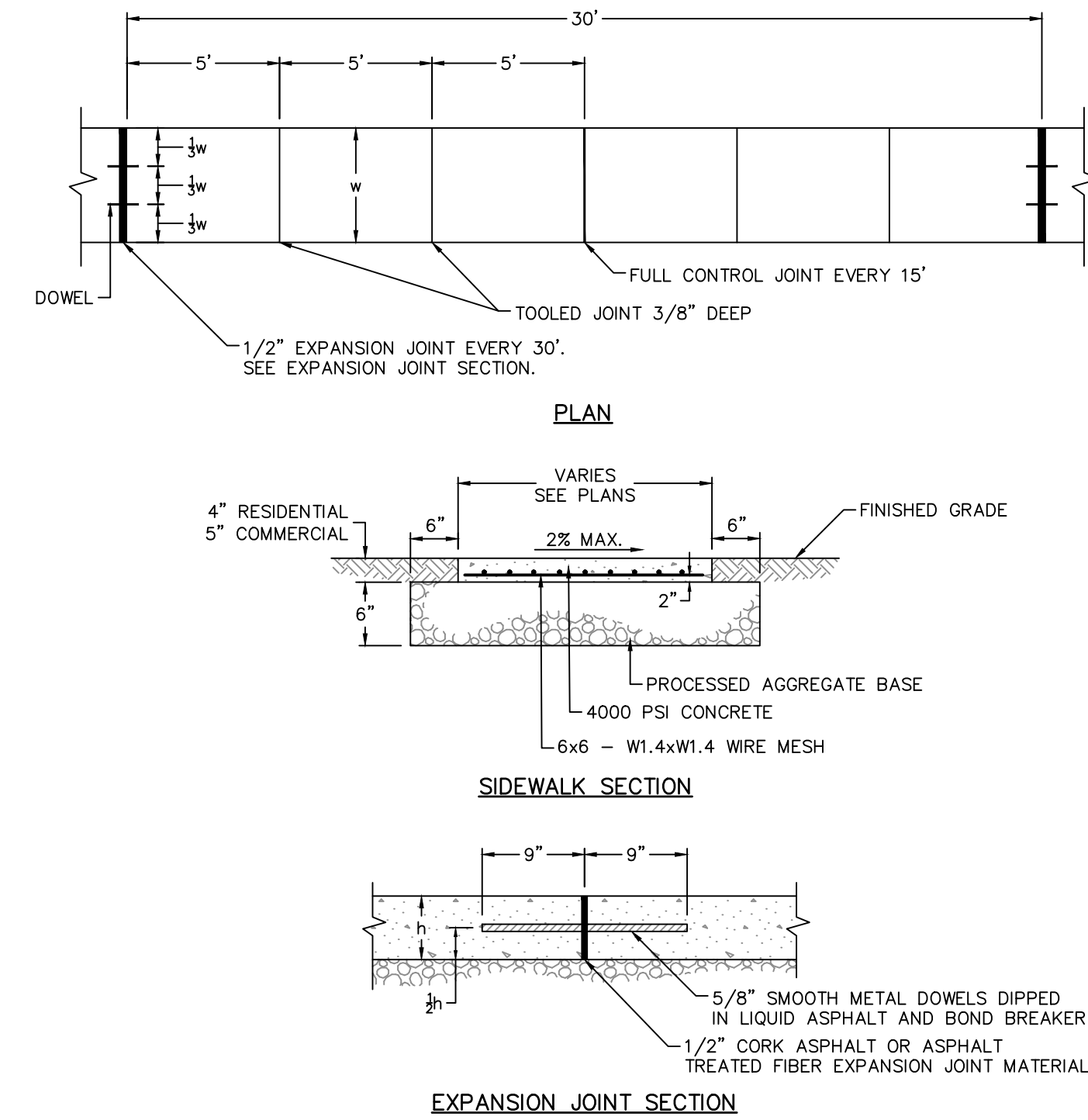
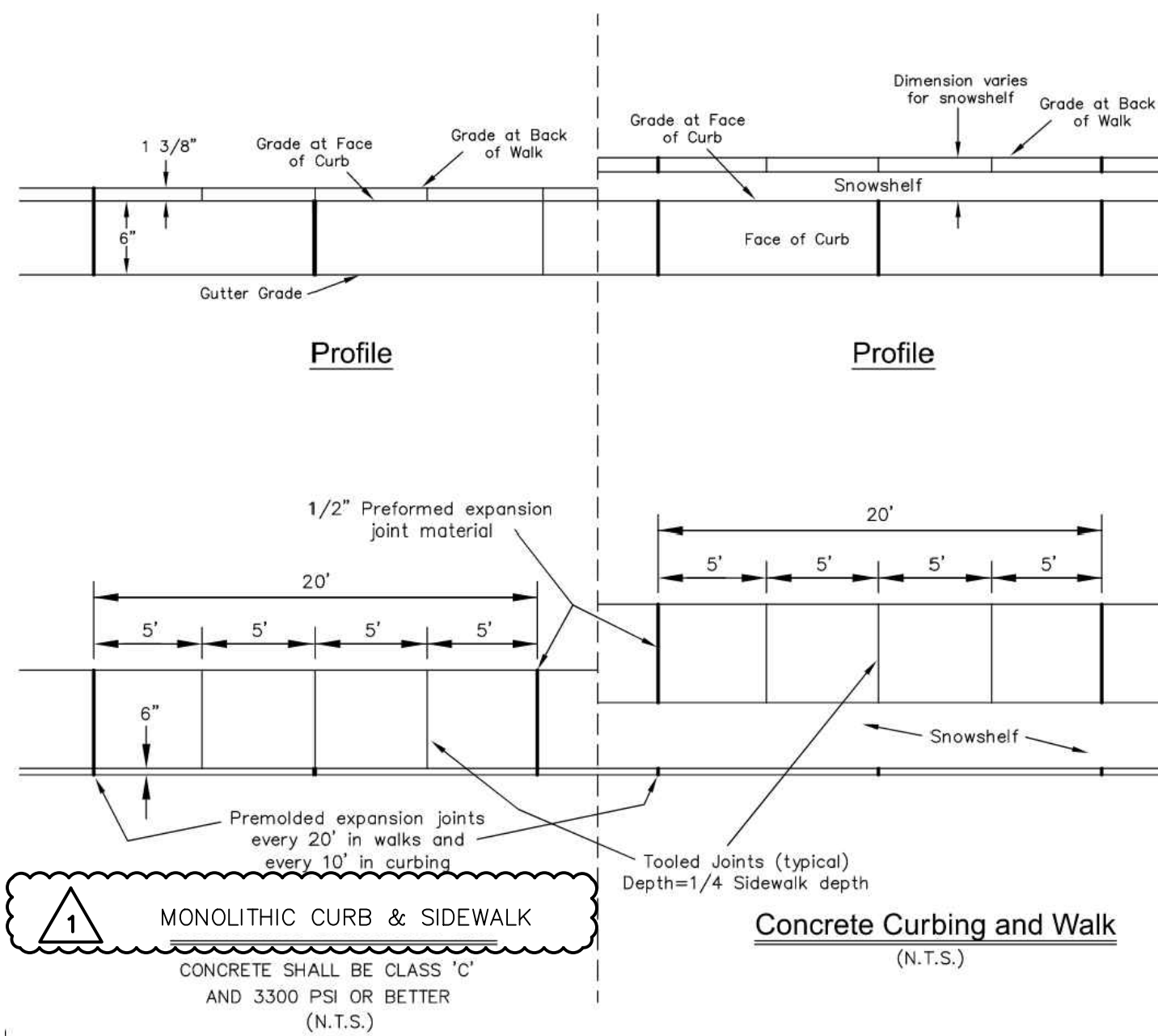
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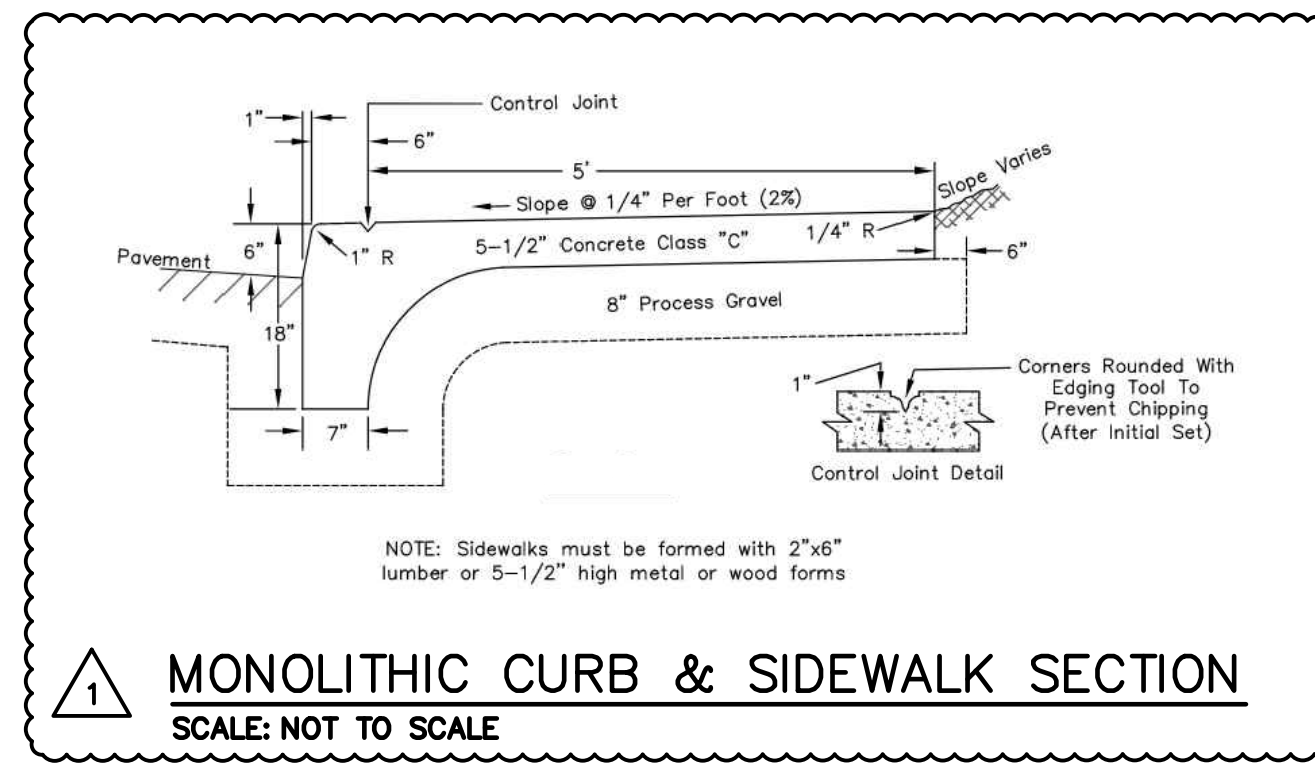
CITY OF MERIDEN
 GENERAL SITE DETAILS
 BRIDGE REPLACEMENTS AND UTILITY IMPROVEMENTS
 BUTLER STREET AND HANOVER STREET
 MERIDEN CONNECTICUT

PROJ. No.: 20170932.C38
 DATE: FEBRUARY 27, 2024

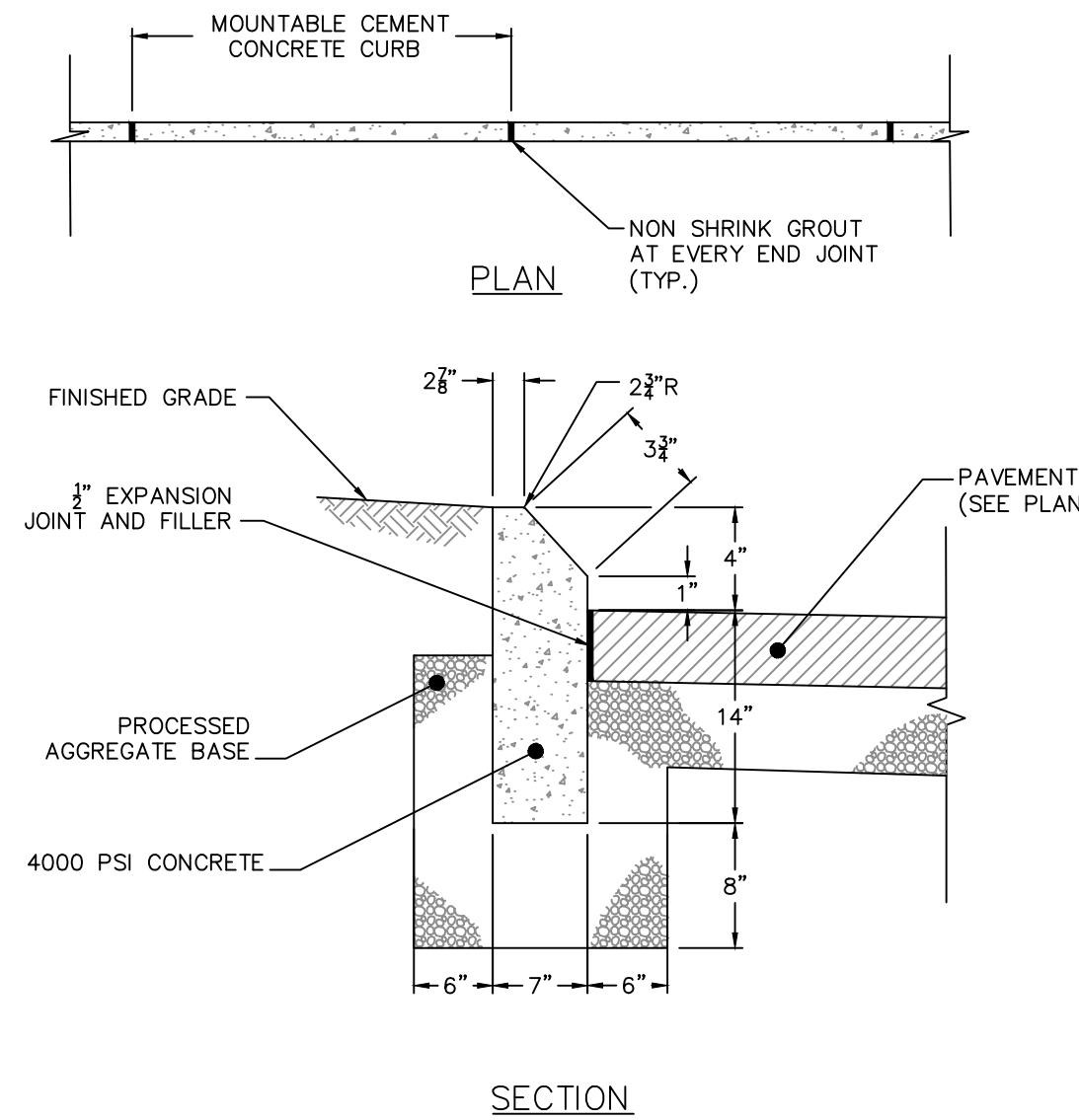
CD-114



CONCRETE SIDEWALK
SCALE: NOT TO SCALE

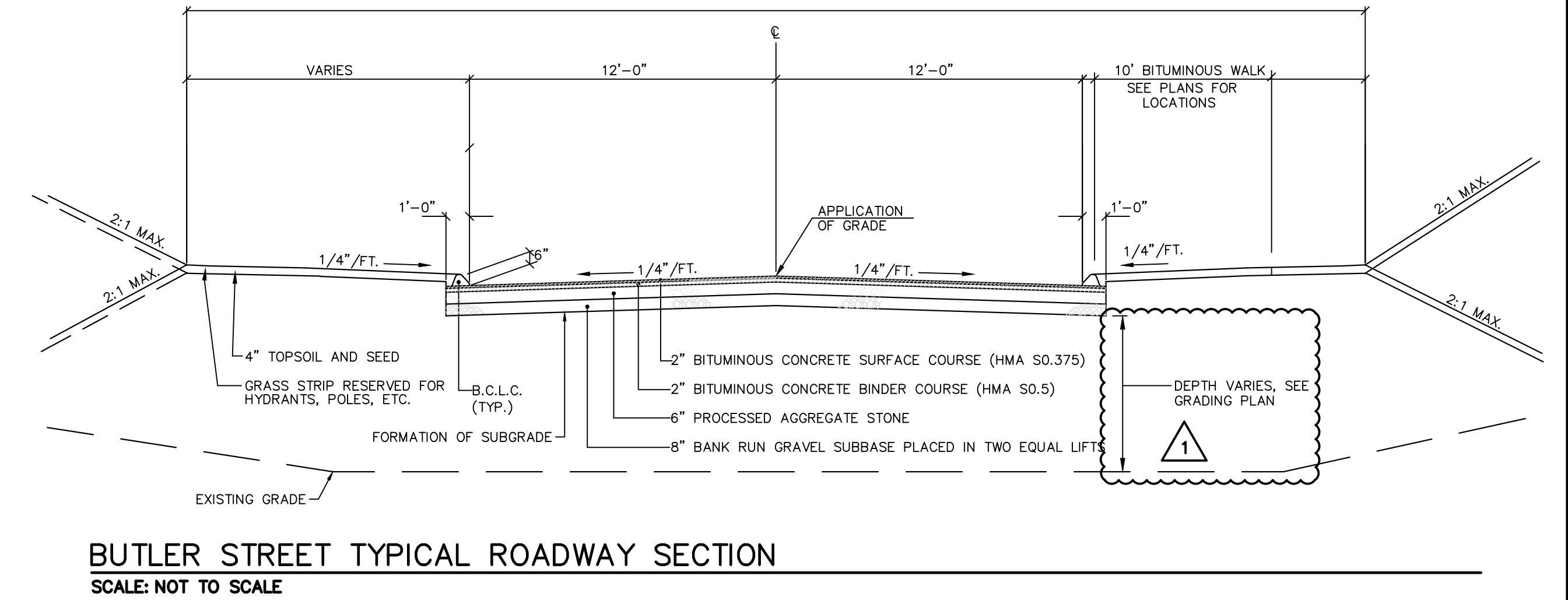


MONOLITHIC CURB & SIDEWALK SECTION
SCALE: NOT TO SCALE

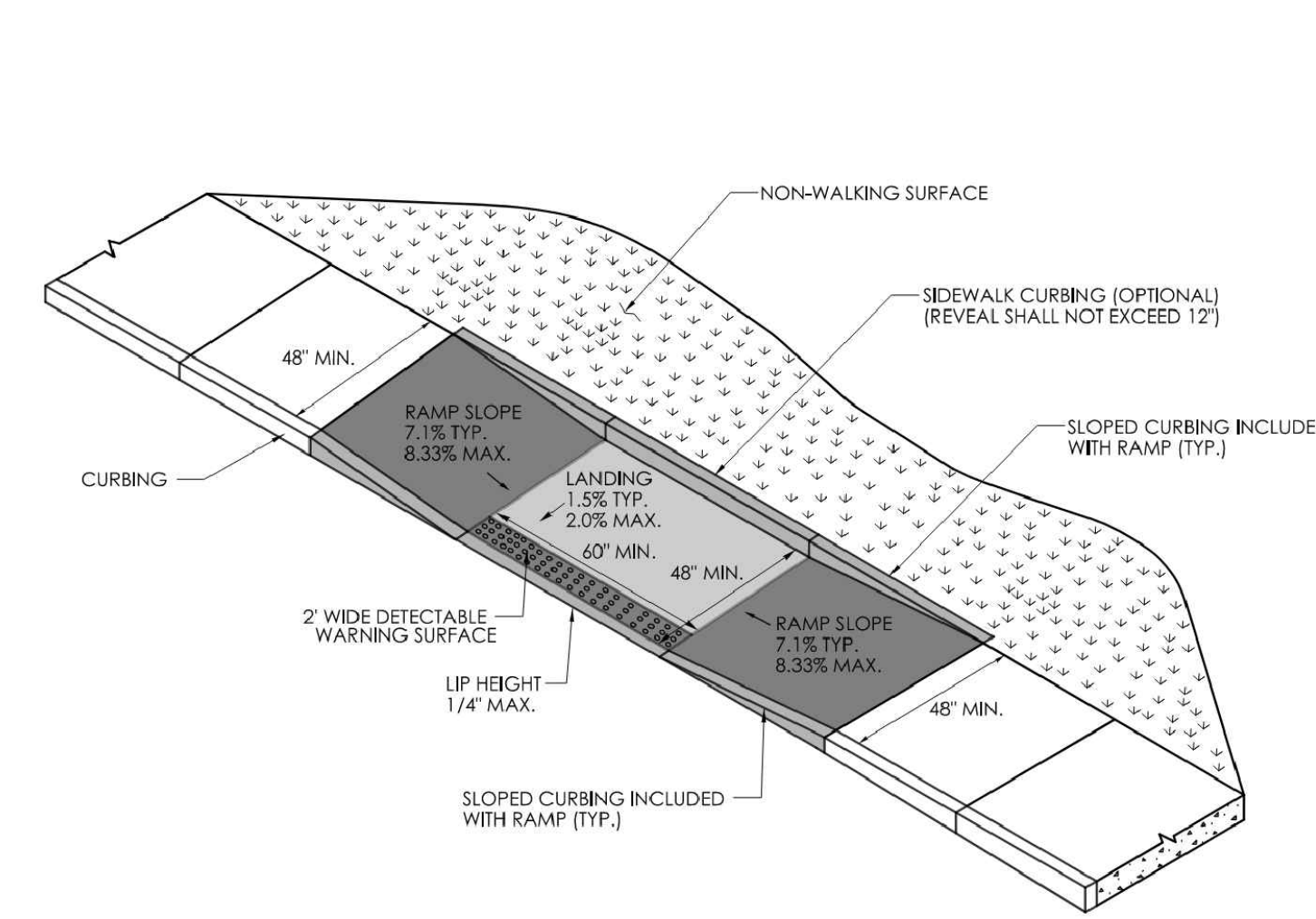


MOUNTABLE CONCRETE CURB
SCALE: NOT TO SCALE

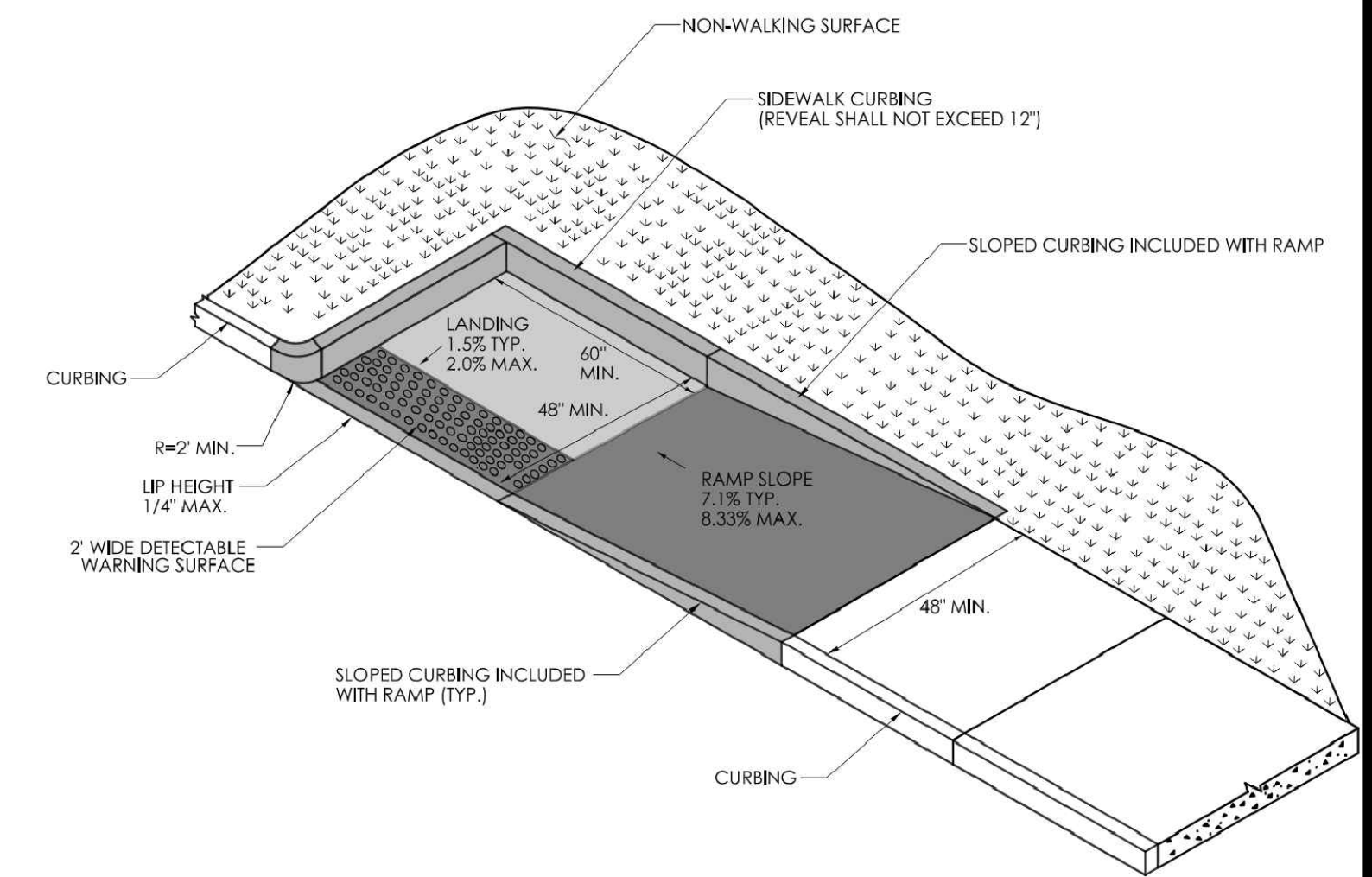
NOTES:
1. 1/2 INCH EXPANSION JOINT AND FILLER EVERY 30 FEET.
2. 1/2 INCH EXPANSION JOINT AND FILLER WHERE CURB ABUTS EXTRA HEAVY DUTY CONCRETE PAVEMENT.



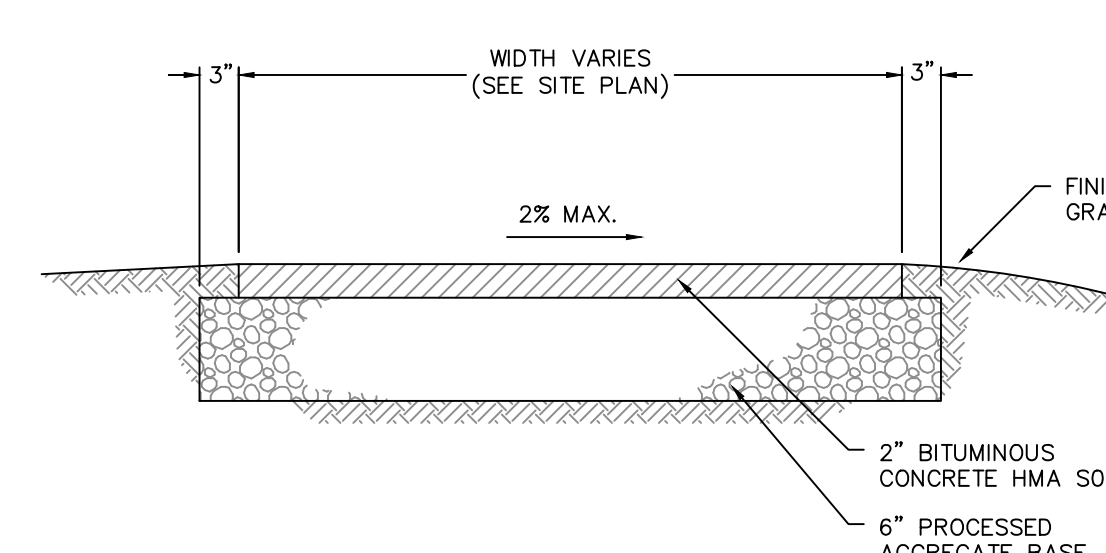
BUTLER STREET TYPICAL ROADWAY SECTION
SCALE: NOT TO SCALE



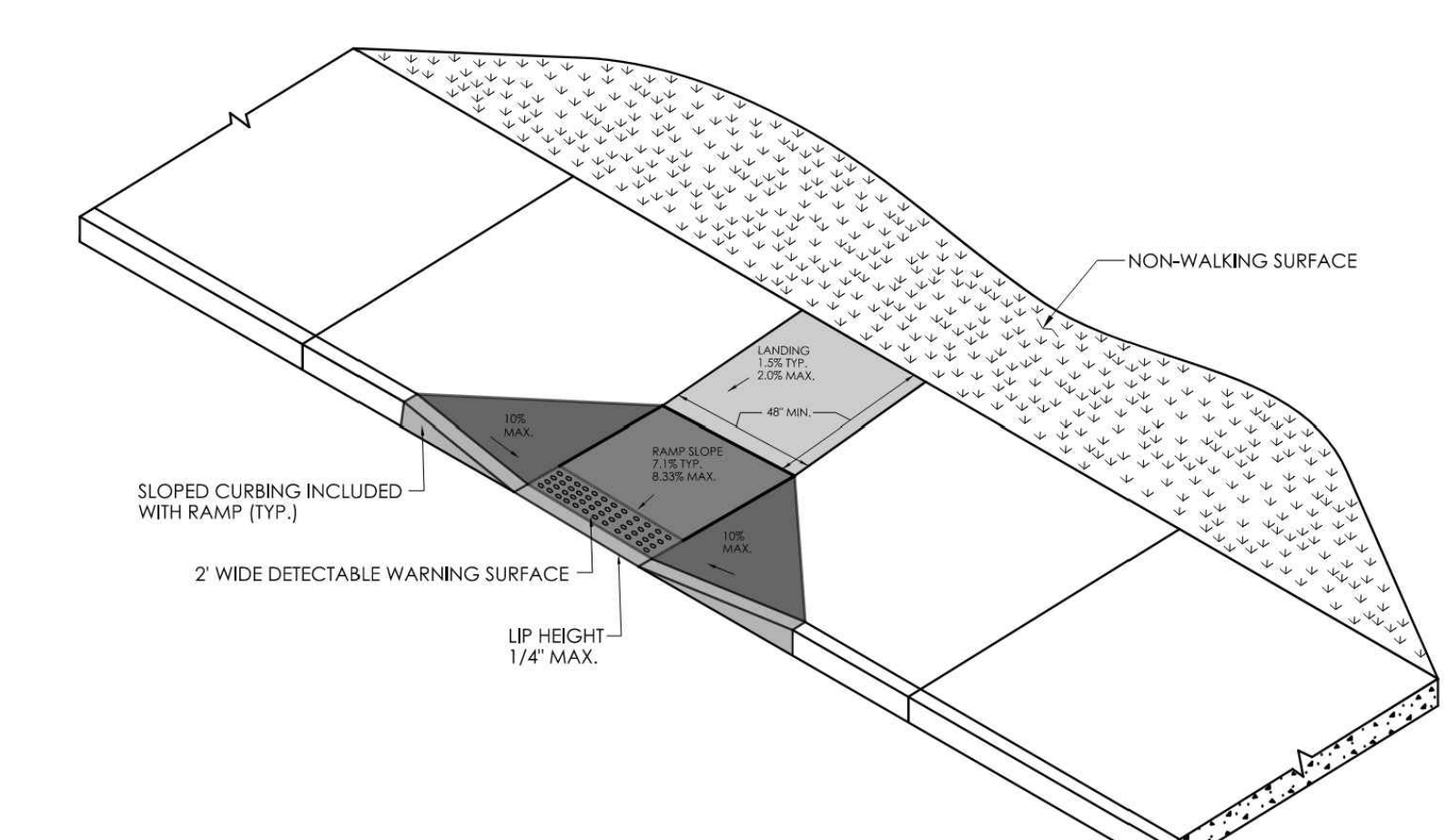
PARALLEL RAMP WITHOUT NON-WALKING SURFACE (TYPE 9)
SCALE: NOT TO SCALE



PARALLEL RAMP WITH LANDING AT BOTTOM ON CORNER (TYPE 10)
SCALE: NOT TO SCALE



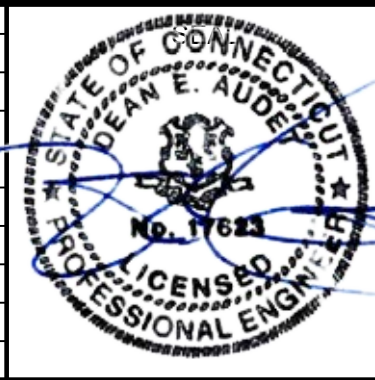
BITUMINOUS CONCRETE SIDEWALK
SCALE: NOT TO SCALE



PERPENDICULAR RAMP WITH 48" BY-PASS (TYPE 8)
SCALE: NOT TO SCALE

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PC3: AUTOCAD PDF (GENERAL DOCUMENTATION) PC3: STE/CTB: FOSTB
LAYER STATE:

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	SH	MG/DA



SEAL

SCALE:	HORZ.: NOT TO SCALE
	VERT.:
DATUM:	HORZ.:
	VERT.:

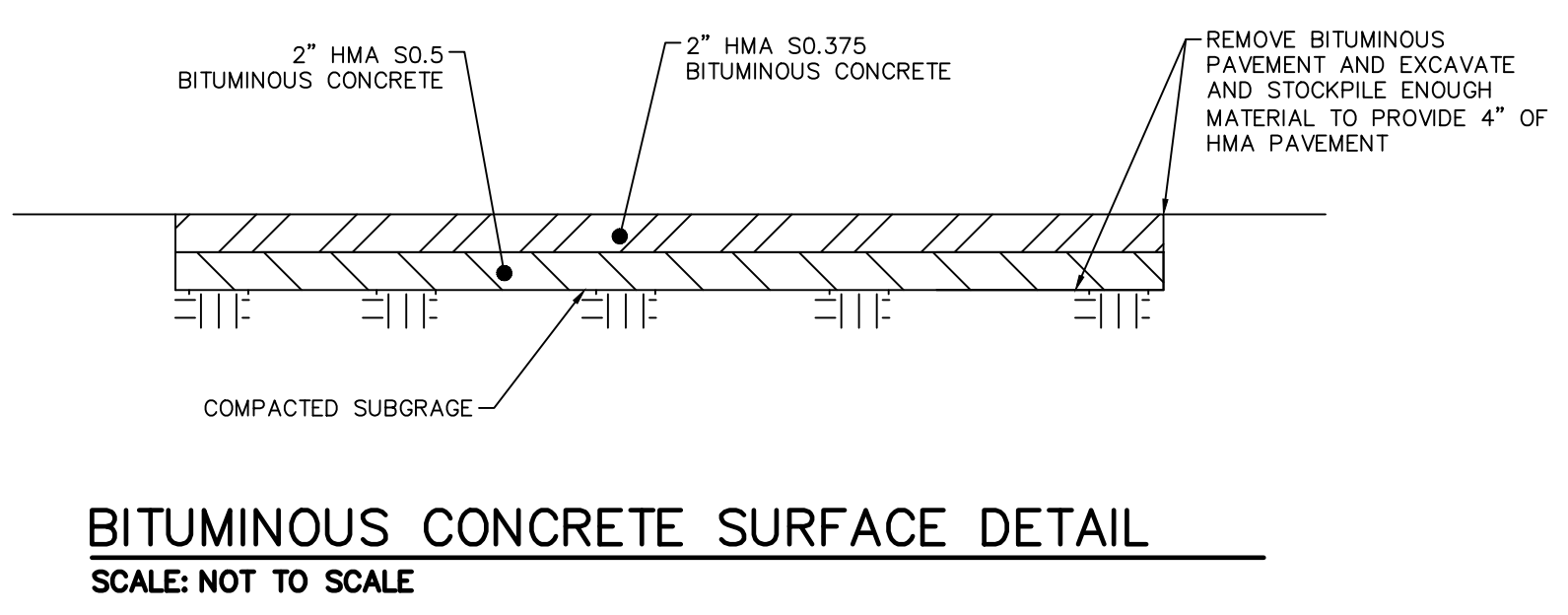
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CITY OF MERIDEN
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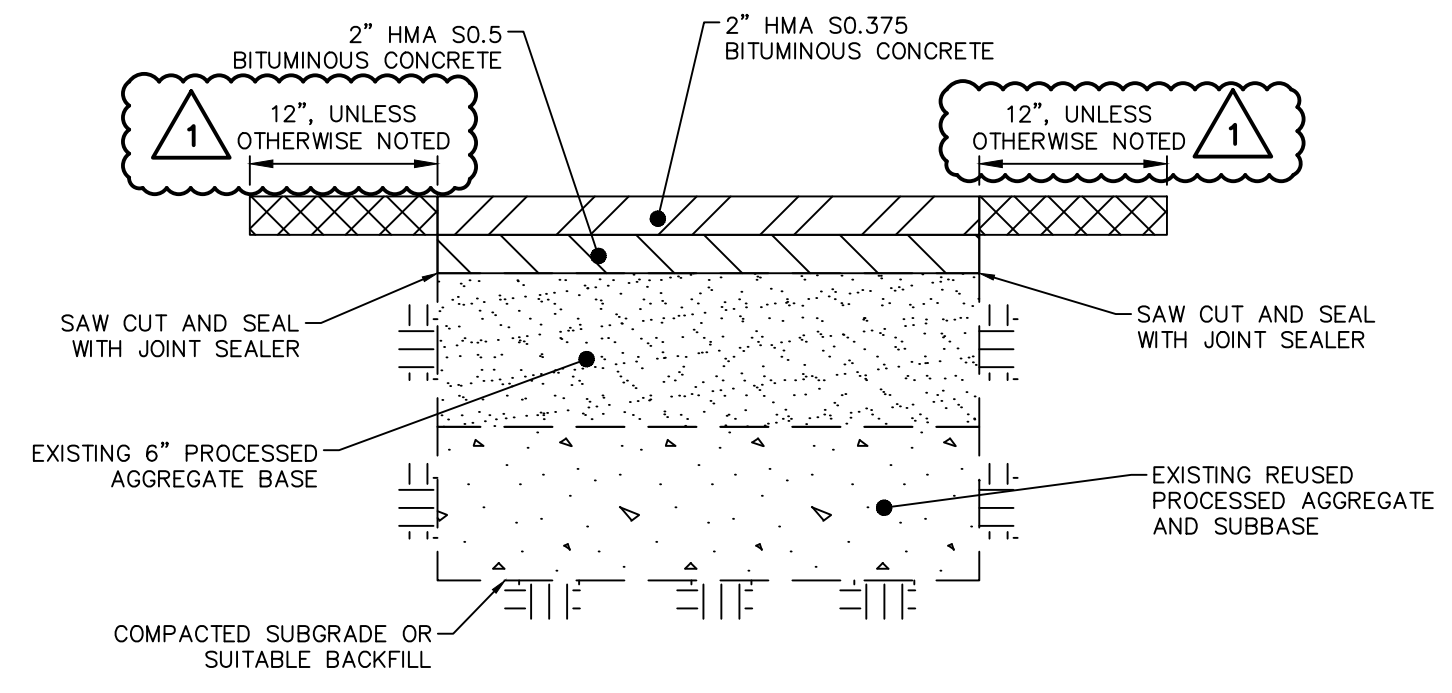
PROJ. No.: 20170932.C38
DATE: FEBRUARY 27, 2024

CD-115

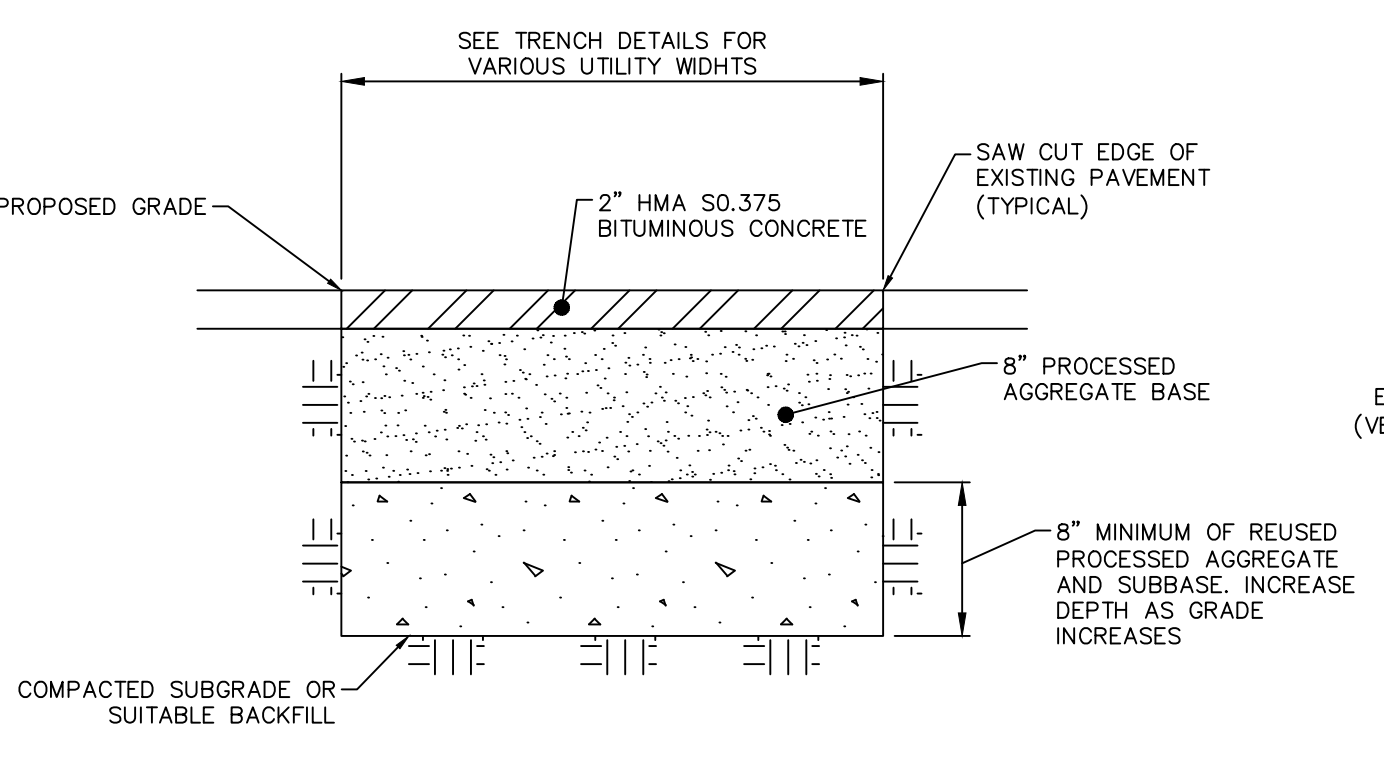
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BITUMINOUS CONCRETE SURFACE DETAIL
SCALE: NOT TO SCALE

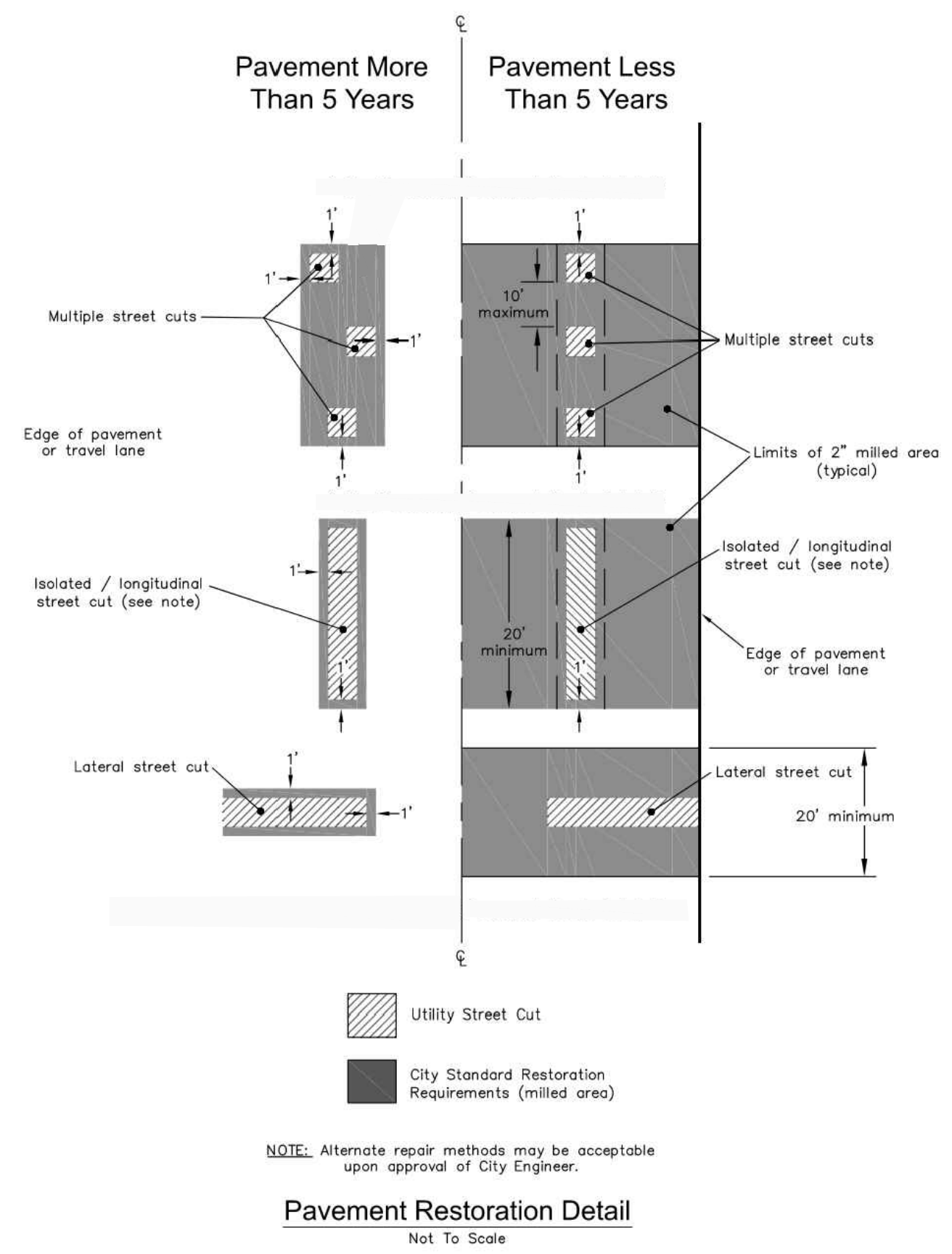


BITUMINOUS CONCRETE PAVEMENT
SCALE: NOT TO SCALE

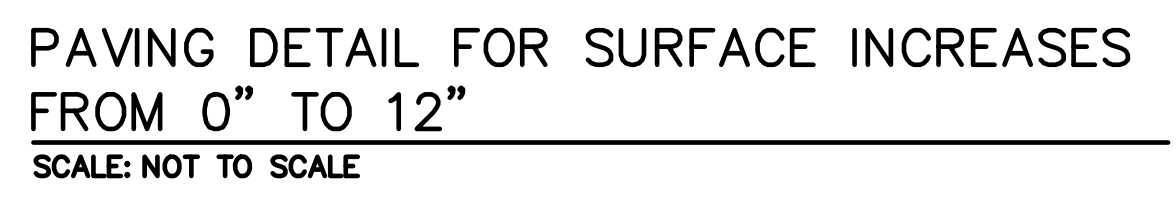


TEMPORARY PAVEMENT REPAIR DETAIL
SCALE: NOT TO SCALE

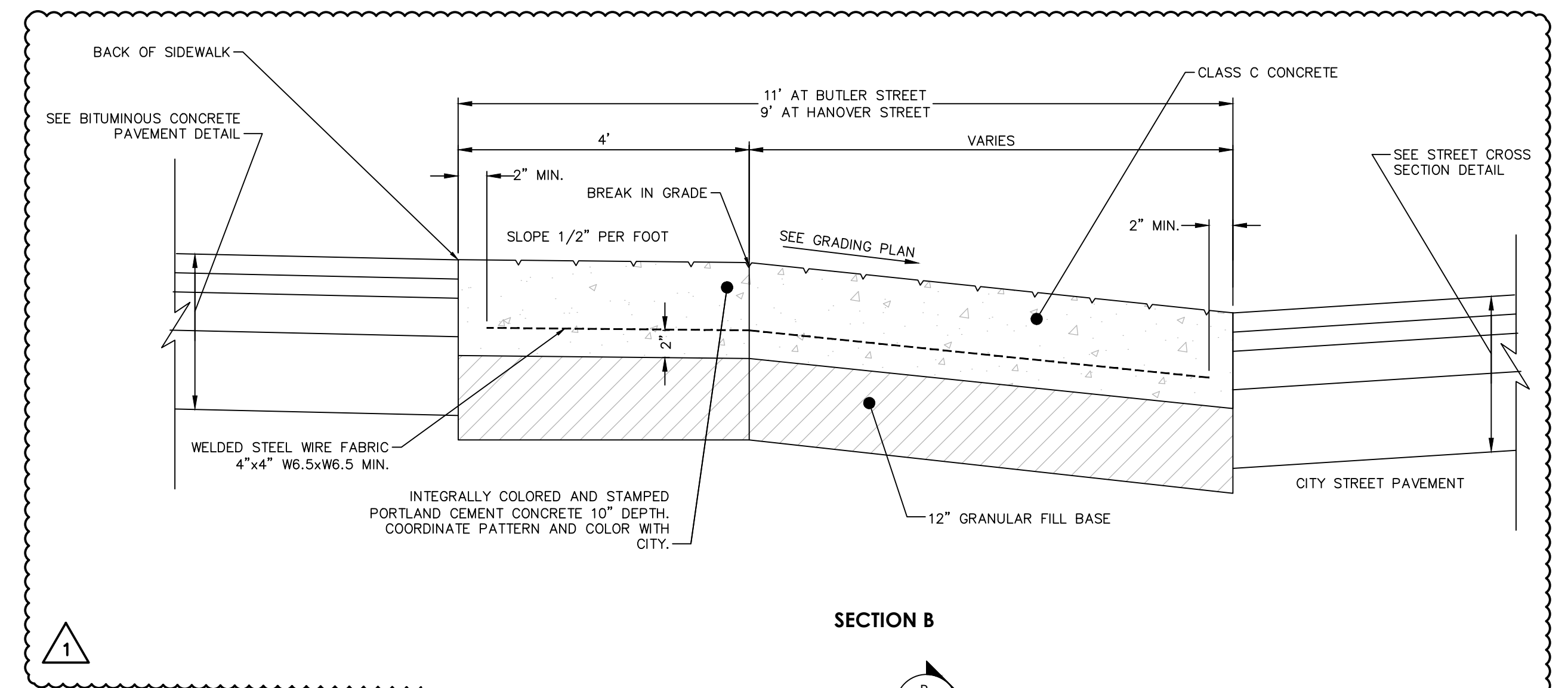
- ROADWAY STANDARD NOTES:
- MULTIPLE PAVEMENT REPAIR LOCATIONS ARE TO BE A MINIMUM OF 10 FEET APART FROM ANY ADJACENT REPAIR. IF LESS THAN 10 FEET APART, A CONTINUOUS SECTION MUST BE REPLACED. MILLING IS ACCEPTABLE OUTSIDE THE PATCH REPAIR LIMITS.
 - ALL REPAIRS TO STREETS WITH A PAVEMENT SURFACE LESS THAN 5 YEARS OLD ARE TO EXTEND TO THE FULL WIDTH OF THE TRAVEL LANE OR TO THE EDGE OF THE ROADWAY.
 - TEMPORARY PATCHES SHALL BE IN PLACE A MINIMUM OF 6 MONTHS, INCLUDING ONE WINTER / SPRING SEASON.
 - PATCH AREA MUST BE WIDE ENOUGH TO ACCOMMODATE MECHANICAL COMPACTION EQUIPMENT.
 - REFER TO PAVEMENT RESTORATION DETAIL FOR ADDITIONAL REQUIREMENTS.



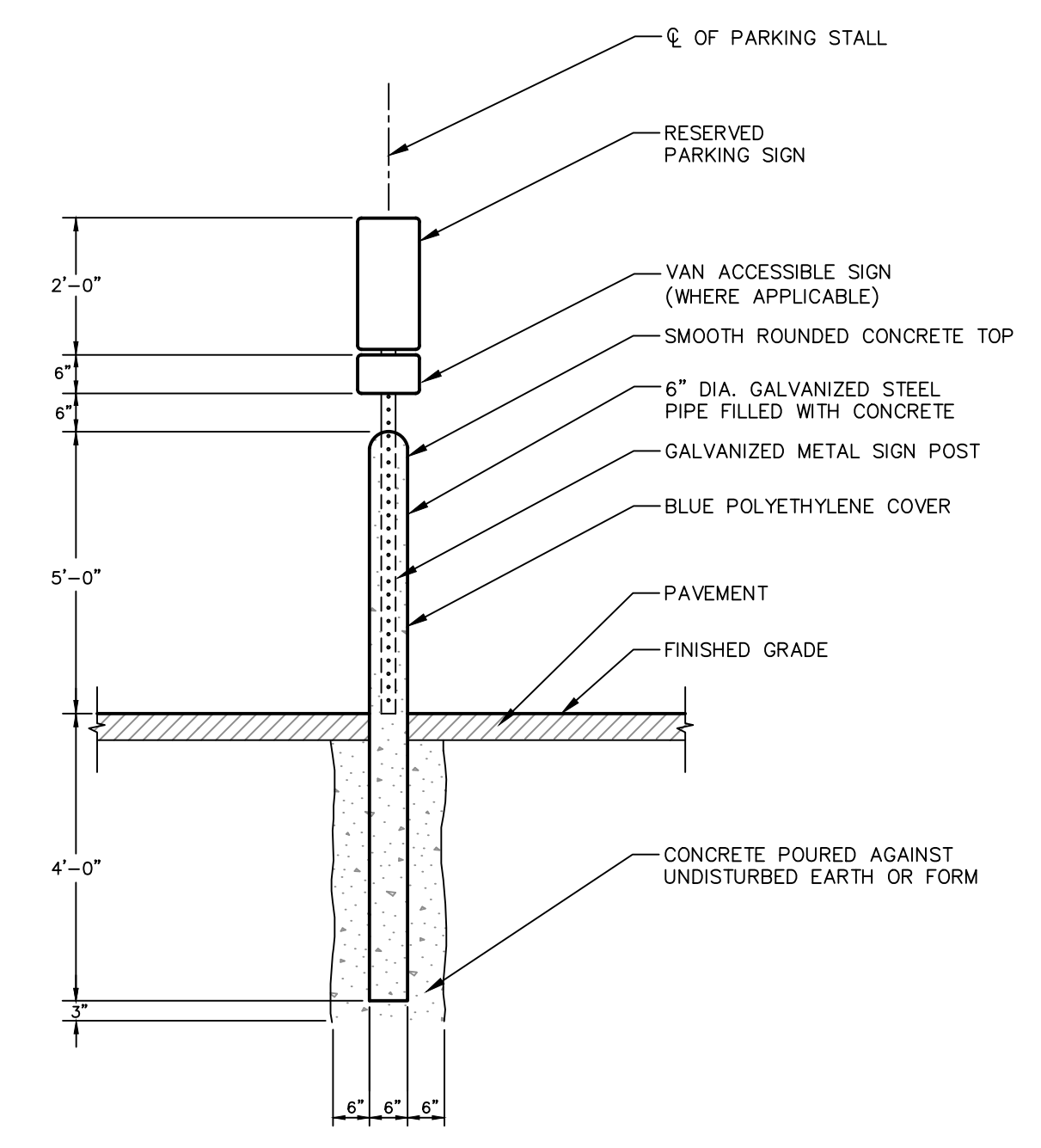
Pavement Restoration Detail
Not To Scale



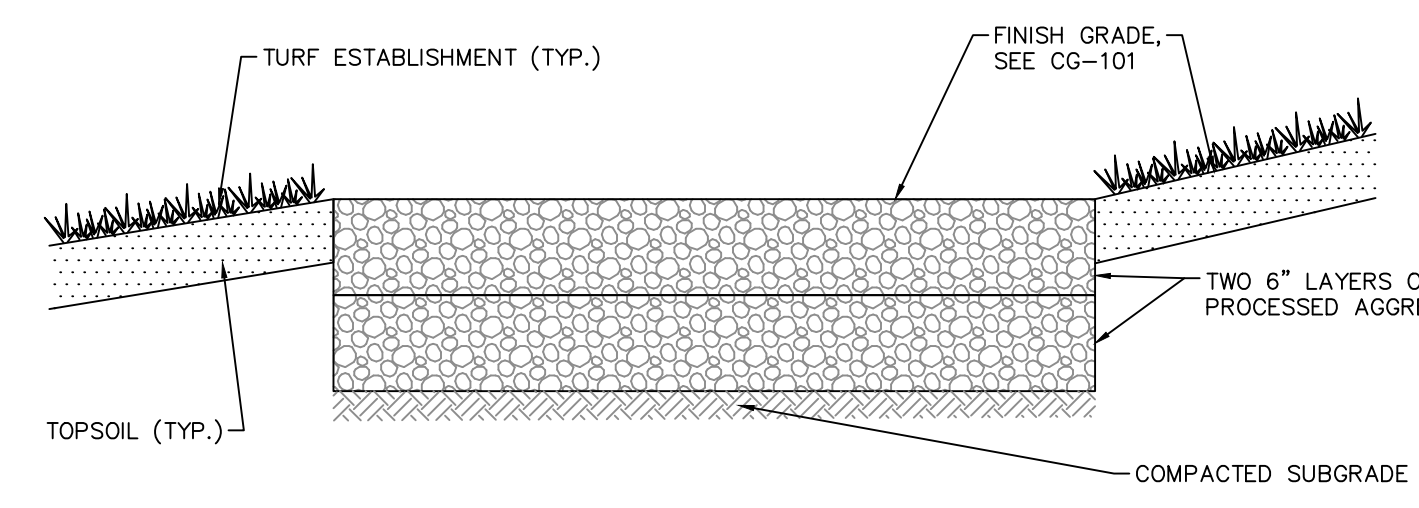
PAVING DETAIL FOR SURFACE INCREASES FROM 0" TO 12"
SCALE: NOT TO SCALE



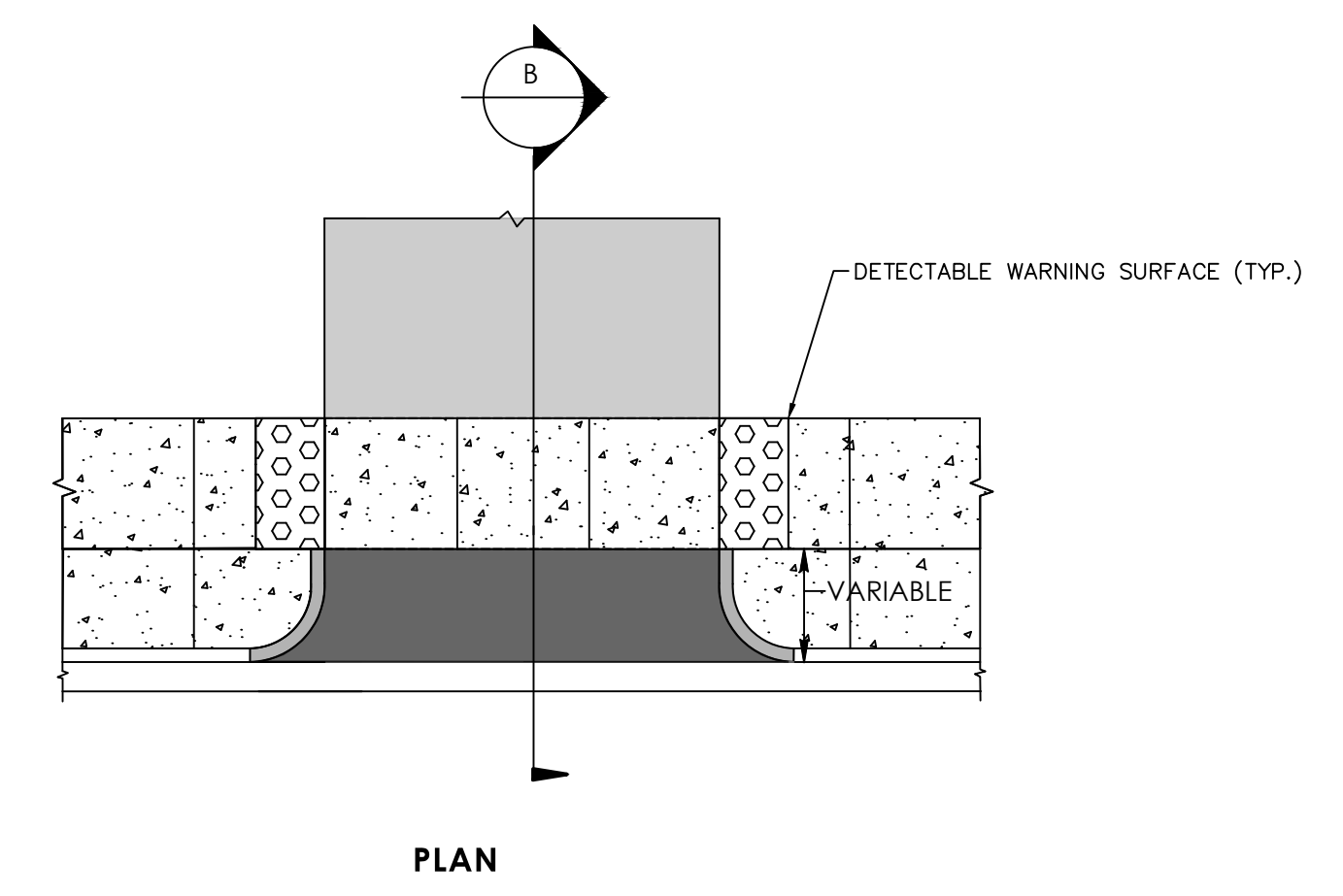
SECTION B



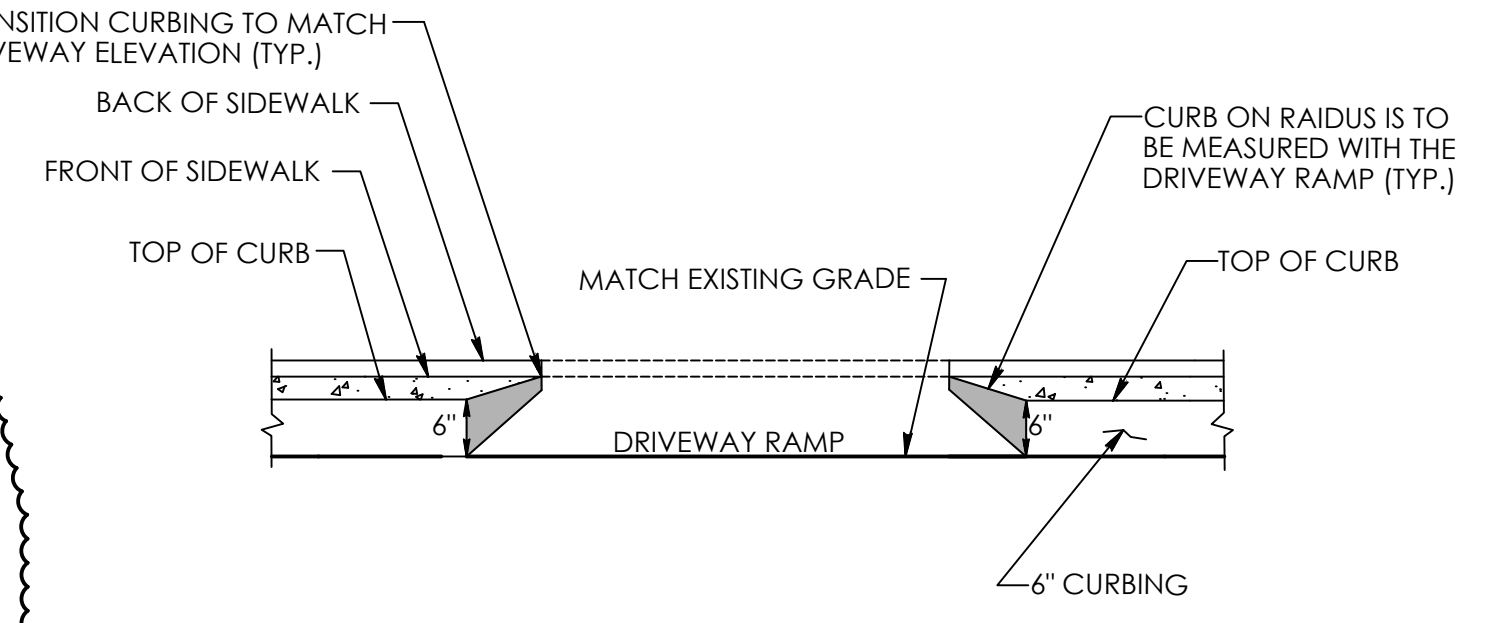
RESERVED PARKING SIGN POST
SCALE: NOT TO SCALE



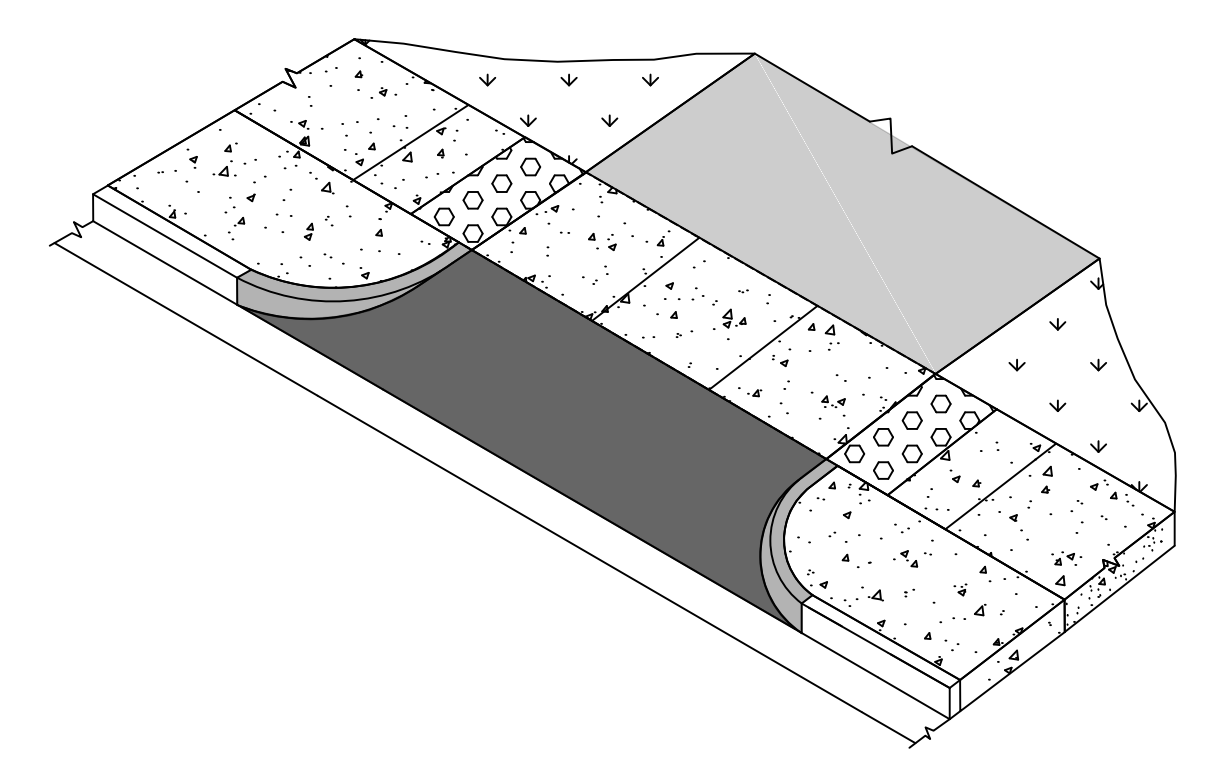
TEMPORARY PROCESSED AGGREGATE BASE PARKING LOT
SCALE: NOT TO SCALE



PLAN



ELEVATION



STAMPED CONCRETE DRIVEWAY APRON WITH A PEDESTRAIN SIDEWALK SETBACK
SCALE: NOT TO SCALE

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	5/10/2024	CHANGES MADE FOR ADDENDUM 3	SH	MG/DA



SEAL	
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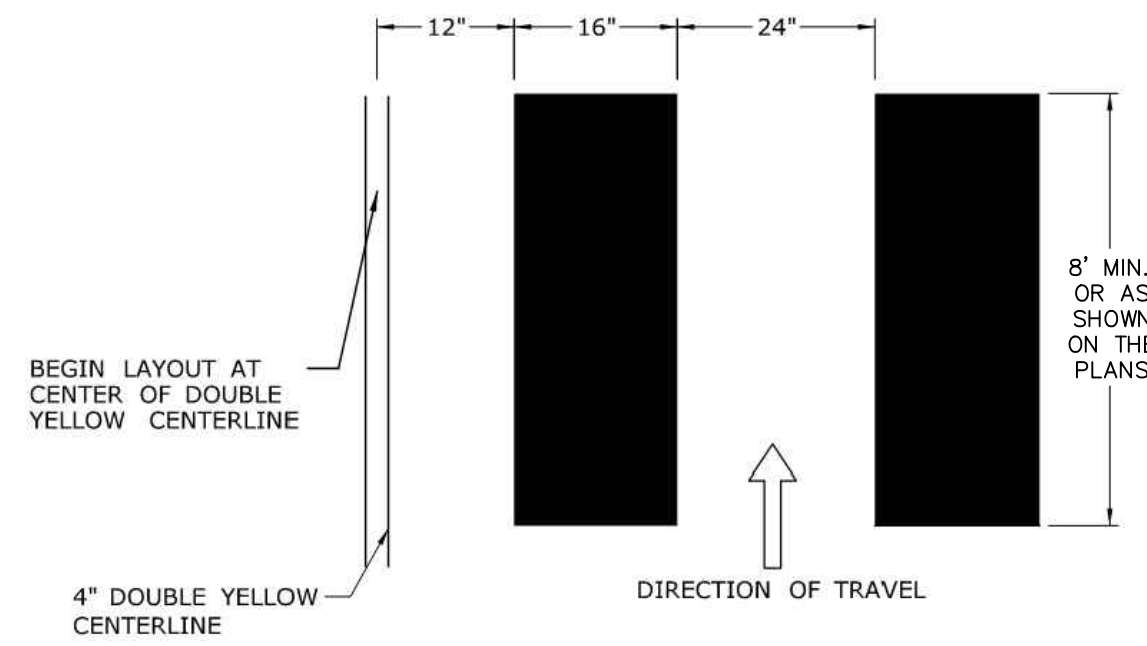
SCALE:	HORIZ.: NOT TO SCALE
	VERT.:
DATUM:	HORIZ.:
	VERT.:

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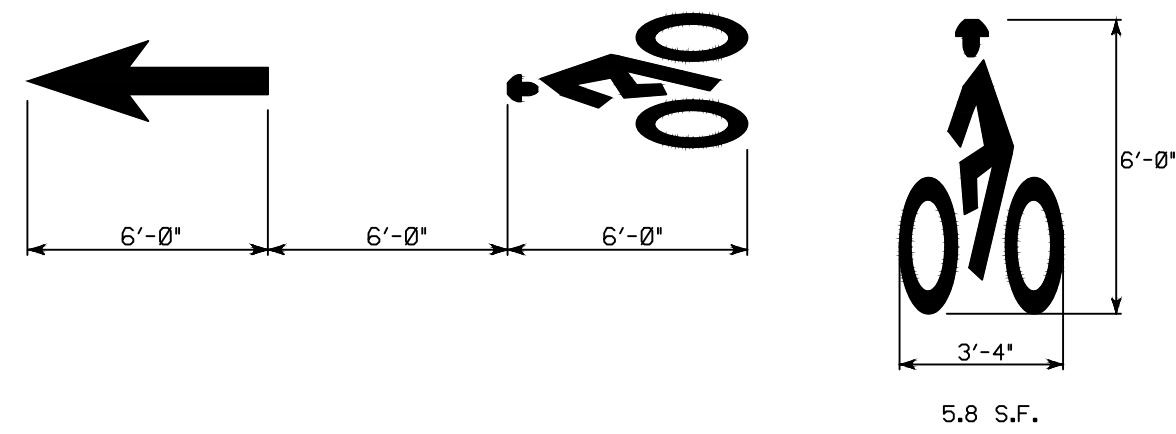
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 MERIDEN CONNECTICUT

PROJ. No.: 20170932.C38
 DATE: FEBRUARY 27, 2024
CD-116

File Path: J:\DWG\20170932\C11\Civil\Plan\20170932\C11_DET01.dwg, Layout: CD-117 (PHASE 1), Plotted: Wed, May 15, 2024, 1:09 PM, User: Sam Huffman
 PC3: AUTOCAD PDF (GENERAL DOCUMENTATION) PC3_STB/CTB: FO STB
 LAYER STATE:



CROSSWALK DETAIL (WHITE)
 SCALE: NOT TO SCALE

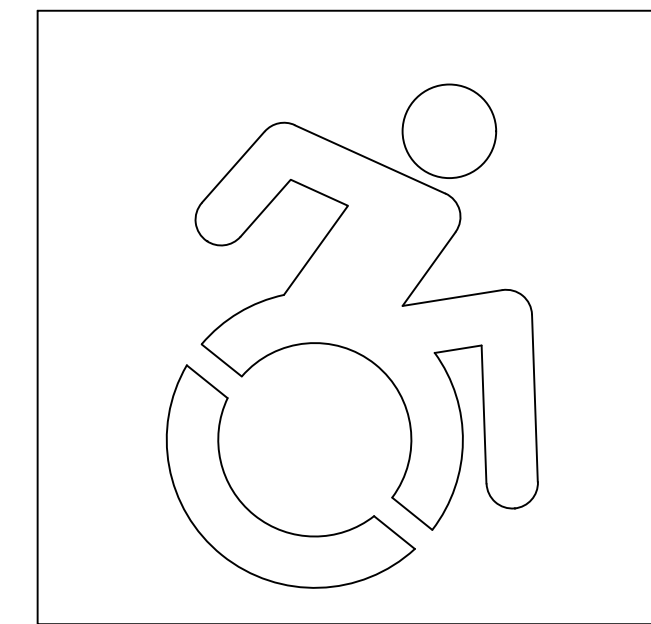


BICYCLE LANE SYMBOL
 SCALE: NOT TO SCALE



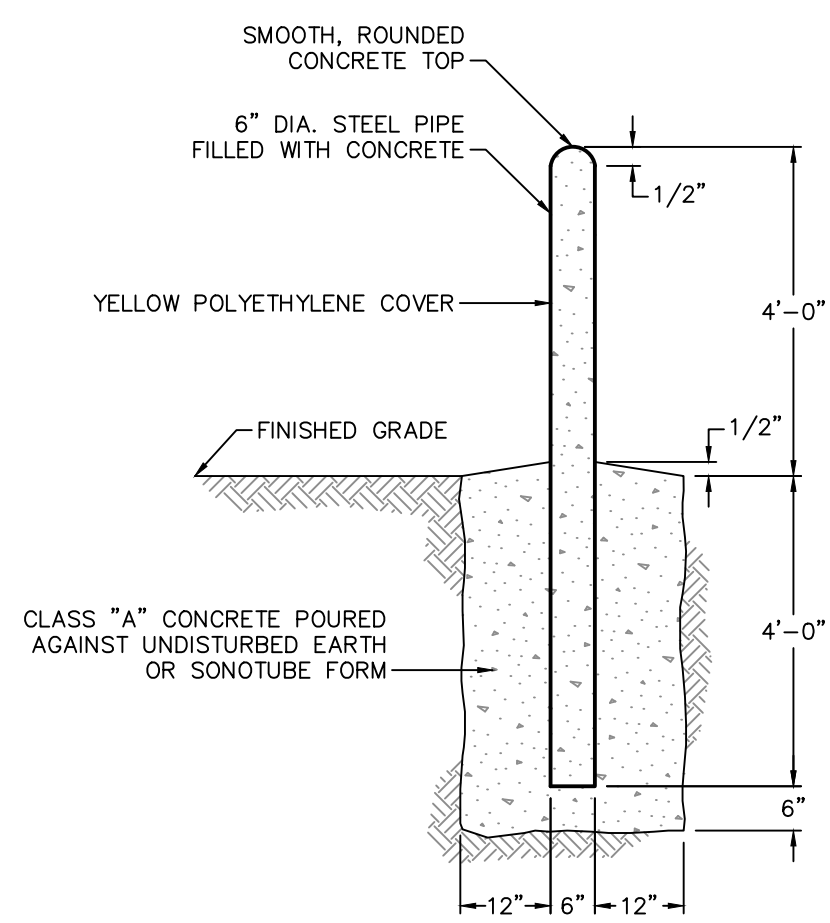
RESERVED PARKING SIGN
 SCALE: N.T.S.

NOTES:
 CDOT NUMBER:
 ALUMINUM THICKNESS: .080"
 BACKGROUND: BLUE (REF.)
 LEGEND: SILVER (REF.)
 POSTS: SEE "RESERVED PARKING SIGN AND POST" DETAIL



RESERVED PARKING SYMBOL
 SCALE: N.T.S.

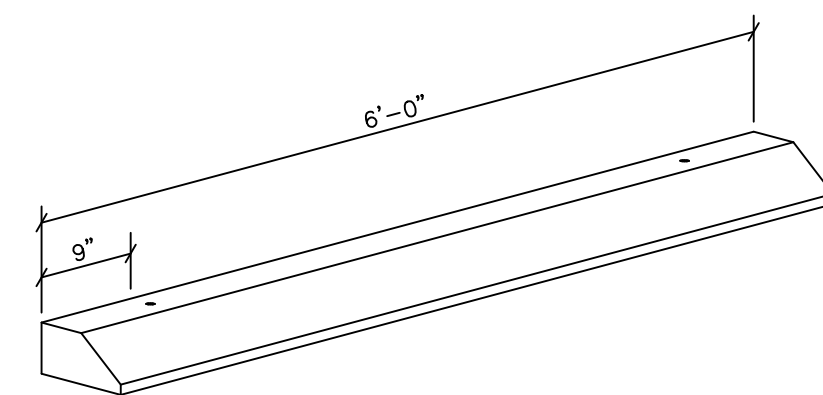
NOTE:
 RESERVED SYMBOL SHALL CONFORM TO THE 2016 CONNECTICUT STATE BUILDING CODE SECTION 703.6.3.1 INTERNATIONAL SYMBOL OF ACCESSIBILITY.



STEEL BOLLARD
 SCALE: NOT TO SCALE



REMOVE AND RESET BOLLARD
 SCALE: NOT TO SCALE



PRECAST CONCRETE WHEEL STOP
 SCALE: N.T.S.

NOTES:
 1. 1 1/2" DIA. 18" LONG GALVANIZED STEEL ROD WITH EPOXY TO SECURE IN PAVEMENT
 2. 4,000 PSI CONCRETE



PAINTED PAVEMENT MARKINGS 8" YELLOW
 SCALE: NOT TO SCALE

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
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SEAL

SCALE:	HORZ.: NOT TO SCALE
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DATUM:	
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