

PROJECT
OWNER:

TOWN OF BELLMONT
P.O. BOX 35
BRAINARDSVILLE, NY 12915

DAM:

MOUNTAIN VIEW LAKE DAM
NEW YORK STATE I.D. NO. 182-0276

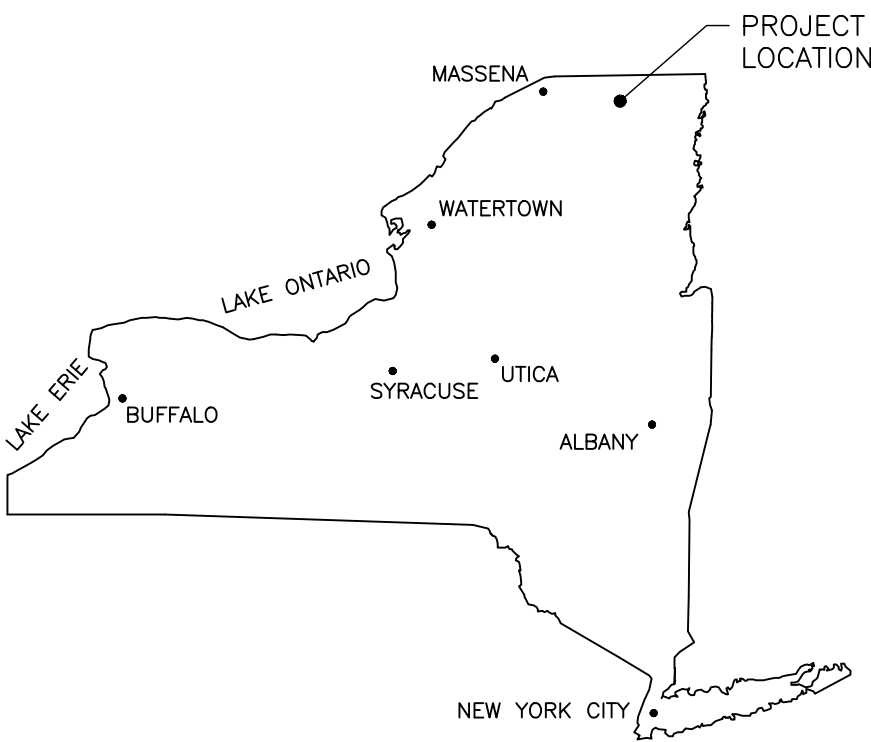
PROJECT
TITLE:

MOUNTAIN VIEW LAKE DAM RECONSTRUCTION

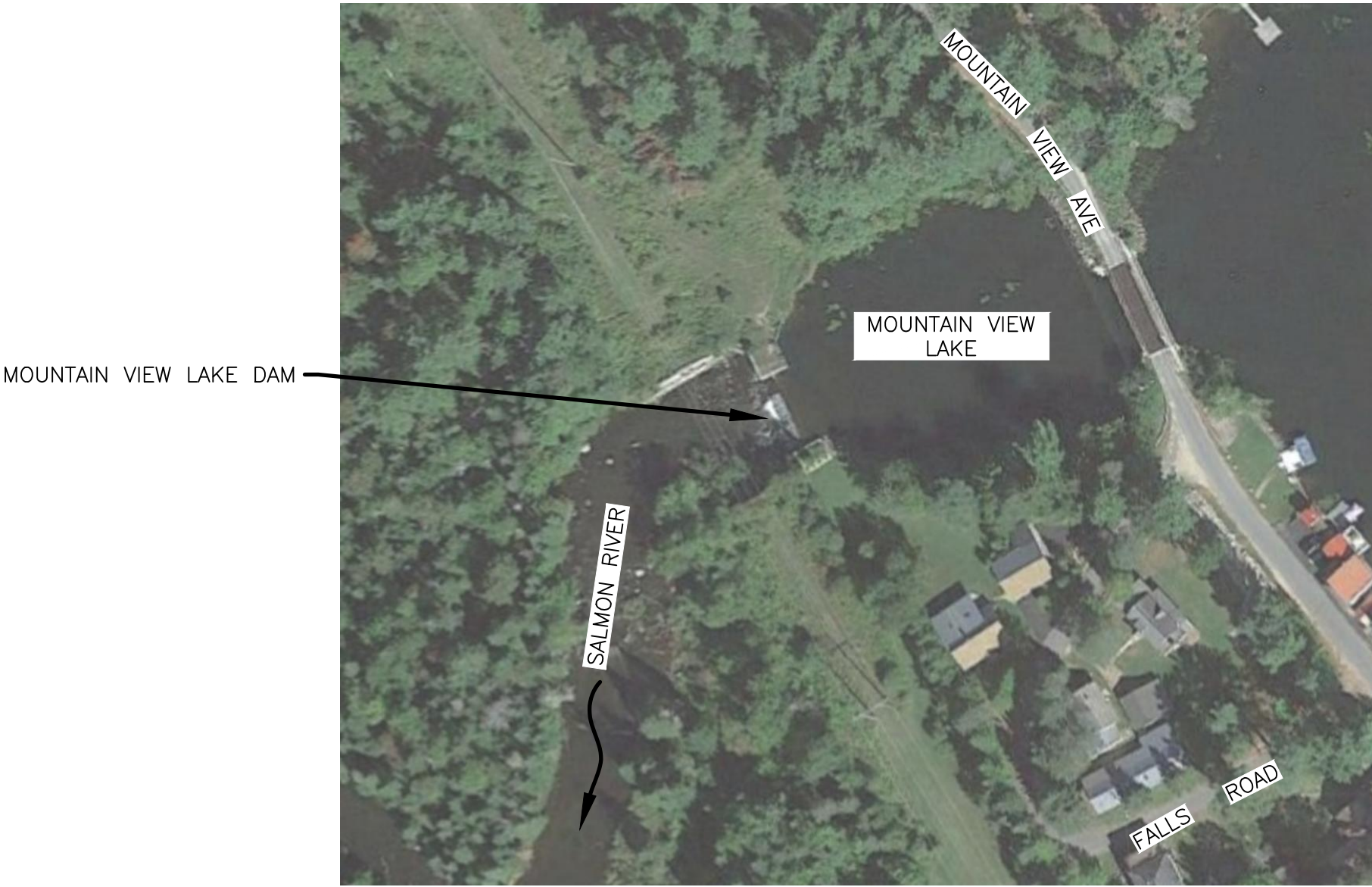
PROJECT
ENGINEER:



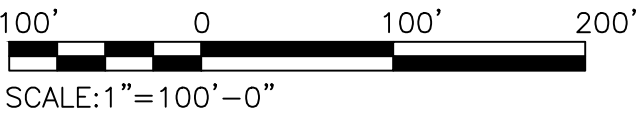
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KEY PLAN
SCALE: NOT TO SCALE




PROJECT LOCATION PLAN
SCALE: 1" = 100'
SOURCE: GOOGLE



SCALE: 1" = 100'-0"

60% DESIGN
NOT FOR CONSTRUCTION

						 GOMEZ AND SULLIVAN ENGINEERS Williamsville, NY • Utica, NY • Albany, NY • Henniker, NH www.gomezandsullivan.com	COVER SHEET AND LIST OF DRAWINGS	DWG NO.: G-0
	4/27/18	0	ISSUED FOR APPROVAL	JND/EAW	WJF			
	DATE	#	ISSUE/REVISION DESCRIPTION	BY	APP			
	PROJ. NO.: 1937		CHECKED BY: EAW					
	DRAWN BY: JND/JSC		APPROVED BY: WJF					
						SCALE: AS NOTED	ISSUE DATE: 4/27/2018	

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANYWAY UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. ALTERATIONS MUST HAVE THE ENGINEER'S SEAL AFFIXED ALONG WITH A DESCRIPTION OF THE ALTERATION, THE SIGNATURE AND DATE.

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GENERAL NOTES:

1. INFORMATION FOR THE EXISTING STRUCTURE WAS DERIVED FROM LIMITED EXISTING DRAWINGS, LIMITED FIELD MEASUREMENTS AND INFORMATION PROVIDED BY THE OWNER. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, MATERIALS, AND EXISTING CONDITIONS PRIOR TO THE START OF FABRICATION, START OF WORK, AND UPON DEWATERING AND SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ALL DISCREPANCIES BEFORE PROCEEDING. THE CONTRACTOR SHALL USE EXTREME CARE TO PROTECT THE EXISTING STRUCTURE DURING INSTALLATION OF ALL NEW WORK.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF ALL GOVERNING AUTHORITIES.
3. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES AND UNTIL THE MANDATORY PRE-CONSTRUCTION MEETING HAS BEEN CONDUCTED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND BUILDING PERMITS.
4. IF CONTRACTOR OBSERVES ANY FIELD CONDITIONS WHICH VARY SIGNIFICANTLY FROM WHAT IS SHOWN ON THESE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE OWNER'S REPRESENTATIVE FOR RESOLUTION OF THE CONFLICTING INFORMATION.
5. THE CONTRACTOR SHALL CALL NEW YORK STATE "DIG SAFELY" BY DIALING "811" OR 1-800-962-7962 A MINIMUM OF (2) TWO WORKING DAYS PRIOR TO START OF ANY WORK.
6. THE CONTRACTOR SHALL IMMEDIATELY REPORT ANY DAMAGE TO EXISTING PIPES, UTILITIES, OR STRUCTURES TO THE OWNER AND THE OWNER'S REPRESENTATIVE, AND OBTAIN DIRECTIONS AS TO REPAIR, REPLACEMENT OR ABANDONMENT.
7. THE LOCATIONS AND INFORMATION ABOUT UNDERGROUND PIPES, UTILITIES OR OTHER STRUCTURES ARE COMPILED FROM AVAILABLE RECORD DATA AND VISIBLE FIELD EVIDENCE AND ARE NOT REPRESENTED AS BEING EXACT OR COMPLETE.
8. THE CONTRACTOR SHALL COORDINATE WITH RESPONSIBLE UTILITY FOR WORK NEAR/AROUND EXISTING OVERHEAD POWER LINES AND ANY UNDERGROUND LINES.
9. THE CONTRACTOR SHALL UNDERTAKE MEASURES TO PROTECT AND MAINTAIN THE CONDITION OF EXISTING BENCHMARKS.
10. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS BUILT" CONDITION OF ALL WORK INCLUDING ALL FRAMING, RAILINGS, TOPOGRAPHY OF RESERVOIR, OUTLET STRUCTURE DIMENSIONS, ELEVATIONS, GRADING, ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
11. DO NOT CHANGE SPACING OF STRUCTURAL ELEMENTS.
12. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE INDICATED.
13. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING OF PROPOSED DEVIATIONS OR SUBSTITUTIONS OF DIMENSIONS, MATERIALS, OR EQUIPMENT SHOWN ON THE DRAWINGS AND MAKE ONLY THOSE DEVIATIONS OR SUBSTITUTIONS THAT ARE ACCEPTED BY OWNER'S REPRESENTATIVE.
14. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION SAFETY AND FOR COMPLIANCE WITH ALL OSHA REGULATIONS DURING CONSTRUCTION.
15. THE CONTRACTOR SHALL INSTALL EROSION CONTROL DEVICES PRIOR TO CONSTRUCTION ACTIVITY AND SHALL BE RESPONSIBLE FOR THEIR MAINTENANCE, REPOSITIONING AND REMOVAL. THE CONTRACTOR SHALL ENSURE PROPER EROSION AND SEDIMENT CONTROL IS MAINTAINED THROUGHOUT CONSTRUCTION.
16. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT DAMAGE TO WORK OR EQUIPMENT BY HIGH WATER OR BY STORMS.
17. THE CONTRACTOR SHALL BRACE, SUPPORT, AND SHORE THE EXISTING STRUCTURES AS REQUIRED FOR REMOVALS AND SHALL MAINTAIN ALL SUPPORT MEASURES UNTIL ALL CONCRETE REPAIRS HAVE CURED A MINIMUM OF 7 DAYS.
18. THE CONTRACTOR SHALL NOT BEGIN ANY DEMOLITION UNTIL AFTER RECEIVING WRITTEN AUTHORIZATION FROM THE OWNER TO BEGIN DEMOLITION.
19. ALL CONSTRUCTION DEBRIS AND EXCESS MATERIAL SHALL BE HAULED AWAY AND DISPOSED OF APPROPRIATELY AT THE CONTRACTOR'S EXPENSE.
20. THE CONTRACTOR SHALL VISIT THE SITE TO FAMILIARIZE HIMSELF OR HERSELF WITH EXISTING CONDITIONS AND THE EXTENT OF DEMOLITION REQUIRED, PRIOR TO THE BID SUBMISSION.
21. FAILURE BY THE CONTRACTOR TO NOTIFY THE OWNER'S REPRESENTATIVE OF ERRORS OR OMISSIONS SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND SPECIFICATIONS.
22. THE CONTRACTOR SHALL ENSURE THAT THE ESTABLISHMENT AND MAINTENANCE OF TWO BENCHMARKS BE PERFORMED BY A LICENSED LAND SURVEYOR THROUGHOUT CONSTRUCTION.

SOIL EROSION AND SEDIMENT CONTROL NOTES:

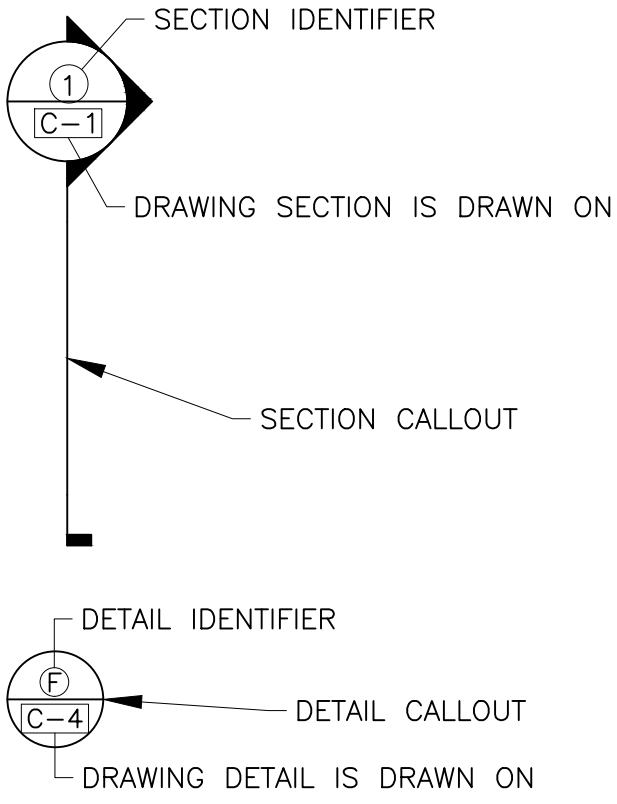
1. ALL APPLICABLE SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO ANY MAJOR SOIL OR STREAM DISTURBANCE, IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
 2. THE CONTRACTOR SHALL NOT DISTURB SOIL (CLEAR, GRUB, GRADE, EXCAVATE OR DEWATER) IN AREAS OUTSIDE OF THOSE SPECIFIED ON THE PLAN AND AS APPROVED.
 3. ALL DISTURBED AREAS OUTSIDE OF THE RIVER CHANNEL THAT ARE NOT STABILIZED BY A TEMPORARY CONSTRUCTION ROAD SHALL RECEIVE A TEMPORARY SEEDING. MULCH, WATER AND ANCHOR AS NECESSARY TO ESTABLISH GRASS AND PREVENT LOSS TO WIND OR EROSION WITHIN 7 DAYS OF DISTURBANCE UNLESS OTHERWISE APPROVED BY THE OWNER. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS SHALL BE MULCHED WITH SMALL GRAIN STRAW AT A RATE OF TWO (2) TONS PER ACRE, AND ANCHORED IN ACCORDANCE WITH NEW YORK STATE STANDARDS.
 4. PERMANENT VEGETATION SHALL BE SEEDDED OR SODDED ON ALL EXPOSED SOIL AREAS IMMEDIATELY AFTER FINAL GRADING. TOPSOIL SHALL BE PROVIDED TO A MINIMUM DEPTH OF 4 INCHES. MULCH TO BE USED AS NECESSARY FOR PROTECTION UNTIL TURF IS ESTABLISHED.
 5. ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. SLOPES, STREAM BANKS AND ROADWAY EMBANKMENTS) SHALL RECEIVE STABILIZATION PER THE DETAILS AND SPECIFICATIONS. IF NOT OTHERWISE SPECIFIED, JUTE MESH (MIN. 700 GRAM/SQUARE YARD) AND SEED SHALL BE PLACED OVER DISTURBED EARTH IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.
 6. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE SHALL BE SPRINKLED WITH WATER UNTIL THE SURFACE IS WET, TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED IN ACCORDANCE WITH STATE STANDARDS FOR EROSION CONTROL.
 7. AT THE COMPLETION OF CONSTRUCTION, ALL DISTURBED AREAS SHALL RECEIVE PERMANENT SEEDING AND MULCH PER NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, UNLESS OTHERWISE NOTED.
 8. ALL SOIL WASHED, DROPPED, SPILLED, OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE, OR ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY.
 9. STOCKPILE AND STAGING LOCATIONS DETERMINED IN THE FIELD SHALL BE PLACED WITHIN THE LIMIT OF DISTURBANCE. ALL SOIL STOCKPILES SHALL BE TEMPORARILY COVERED WITH AN IMPERMEABLE MEMBRANE OR TEMPORARY VEGETATION AND PROTECTED BY A SILT FENCE PER STATE STANDARDS AROUND THE PERIMETER OF THE STOCKPILE AT THE TOE OF THE SLOPE.
 10. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL AND APPLICABLE STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) STANDARDS.
 11. THE CONTRACTOR SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE, AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT BEEN FINALLY STABILIZED, STABILIZATION PRACTICES, STRUCTURAL PRACTICES, AND OTHER CONTROLS AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF ANY STORM THAT PRODUCES 0.5 INCH OR MORE RAINFALL AT THE SITE. WHERE SITES HAVE BEEN FINALLY STABILIZED, SUCH INSPECTION SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH UNTIL FINAL COMPLETION. CRITICAL AREAS AND AREAS WHERE VEHICLES EXIT THE SITE SHALL BE INSPECTED DAILY.
 12. THE CONTRACTOR SHALL SUBMIT A SCHEDULE WHICH INCLUDES ANTICIPATED DATES FOR IMPLEMENTATION AND REMOVAL OF EROSION AND SEDIMENT CONTROLS AND ANY PHASING REQUIRED PRIOR TO THE START OF CONSTRUCTION FOR REVIEW AND APPROVAL.
- SOIL EROSION AND SEDIMENT CONTROL NOTES:
1. CARE SHALL BE TAKEN TO PROTECT THE MOUNTAIN VIEW LAKE AND SALMON RIVER.
 2. NO SEDIMENTATION, CONCRETE, OR OTHER MATERIALS (DEBRIS) SHALL BE ALLOWED TO ENTER THE LAKE OR OTHER WATERWAYS.
 3. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PREVENT THE ENTRANCE OF PETROLEUM PRODUCTS, FRESH CONCRETE, FRESH MORTAR, CONSTRUCTION DEBRIS AND SUSPENDED SEDIMENT INTO THE WATERWAY.
 4. EQUIPMENT, TOOLS, AND TRUCKS USED FOR THIS PROJECT SHALL BE CLEANED IN SUCH A MANNER AS TO PREVENT WASH WATER OR DEBRIS FROM ENTERING ANY WATER BODY.
 5. SPILLAGE OF HAZARDOUS SUBSTANCES INTO THE WATERWAY IS PROHIBITED BY THE CLEAN WATER ACT OF 1977. MEASURES INCLUDING PROPER MAINTENANCE OF CONSTRUCTION EQUIPMENT, DESIGNATING FUEL/HAZARDOUS SUBSTANCES HANDLING AREAS TO ALLOW SPILLS TO BE CONTAINED BEFORE REACHING THE WATERWAY, INSTRUCTING PERSONNEL NOT TO DISPOSE OF OIL AND OTHER SUCH MATERIALS INTO DRAINS OR INTO THE WATERWAY DIRECTLY, AND OTHER NECESSARY PROCEDURES SHALL BE IMPLEMENTED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
 6. ABSORBENT MATERIALS SHALL BE RETAINED ON-SITE IN THE EVENT A SPILL OCCURS.
 7. MATERIALS PLACED IN OR ENTERING THE WATERBODY WHICH ARE NOT PART OF THE PERMANENT WORK SHALL BE REMOVED AND DISPOSED OF PROPERLY PRIOR TO PROJECT COMPLETION. THIS INCLUDES TEMPORARY COFFERDAMS AND ACCESS ROAD MATERIALS, SILT FENCE, HAY BALES AND OTHER SEDIMENT CONTROL DEVICES.

CONSTRUCTION WASTE MANAGEMENT PLAN

1. THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY THEIR OPERATION. GOOD HOUSEKEEPING PRACTICES SHALL BE MAINTAINED ON A CONTINUOUS BASIS AT THE WORK SITE. DISPOSAL OF ANY WASTE MATERIALS ON THE CONSTRUCTION SITE IS PROHIBITED.
 2. THE CONTRACTOR SHALL PROVIDE EMPLOYEE FACILITIES, WASTE DISPOSAL, AND SANITARY FACILITIES.
 3. ALL WATER RESOURCES (I.E. GROUND AND SURFACE WATERS), INCLUDING ALL DRAINS AND CATCH BASINS, SHALL BE PROTECTED FROM LEACHING AND/OR RUN-OFF OF CHEMICAL POLLUTANTS. CONCRETE WASH WATER, SOLID WASTES AND CONSTRUCTION SITE DEBRIS. ALL CATCH BASINS SHALL BE MAINTAINED FREE FLOWING.
 4. ALL TOXIC AND COMBUSTIBLE WASTE MATERIALS SHALL BE PLACED IN COVERED METAL CONTAINERS AND PROMPTLY DISPOSED OF IN AN APPROVED MANNER AT AN APPROVED WASTE DISPOSAL FACILITY.
 5. DEMOLITION, REMOVAL, ALTERATION OR REPAIR, TRANSPORTATION, DISPOSAL, STORAGE, AND CONTAINMENT OF LEAD-BASED PAINT (LBP) MATERIALS SHALL BE IN ACCORDANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATION 29 CFR PART 1926 SUBPART D STANDARD 1926.62 – LEAD.
 6. STORAGE AND/OR USE OF LEAD-BASED MATERIALS, CHEMICALS, FUELS, OILS, GREASES, BITUMINOUS MATERIALS, SOLIDS, WASTE WASHINGS, AND CEMENT SHALL BE HANDLED APPROPRIATELY AS TO PREVENT LEACHING OR SURFACE RUN-OFF INTO PUBLIC WATERS OR DRAINS. ALL OWNER APPROVED STORAGE AREAS FOR THESE MATERIALS MUST BE DIKED.
 7. ALL ROADWAYS SHALL BE MAINTAINED FREE OF DEBRIS. STABILIZED CONSTRUCTION ENTRANCES SHALL BE CONSTRUCTED TO CAPTURE DEBRIS FROM WHEELS OF CONSTRUCTION VEHICLES. VEHICLES SHALL BE INSPECTED AT ENTRANCES BEFORE TURNING ONTO THE ROADWAY AND EXCESS DEBRIS SHALL BE REMOVED.
 8. CONCRETE WASHOUTS SHALL BE PROVIDED TO CONTAIN CONCRETE AND LIQUIDS WHEN THE CHUTES OF CONCRETE MIXERS AND HOPPERS OF CONCRETE PUMPS ARE RINSED OUT AFTER DELIVERY. THE WASHOUT FACILITIES CONSOLIDATE SOLIDS FOR EASIER DISPOSAL AND PREVENT RUNOFF OF LIQUIDS.
 8. PROVIDE SELF-INSTALLED OR PREFABRICATED CONCRETE WASHOUT FACILITIES AT LOCATIONS ACCESSIBLE BY CONCRETE TRUCKS. DO NOT PLACE CONCRETE WASHOUT FACILITIES WITHIN 50 FEET OF STORM DRAINS, OPEN DITCHES, OR WATERBODIES.
 9. REMOVE HARDENED SOLIDS IN CONCRETE WASHOUT FACILITIES AND DISPOSE OF OFFSITE.
- CONSTRUCTION WASTE MANAGEMENT PLAN
1. THE CONTRACTOR SHALL PROVIDE, INSTALL, MAINTAIN, AND REMOVE ALL WATER DIVERSION SYSTEMS, COFFERDAMS, STOPLOGS, PIPING AND PUMPS, ETC. AS REQUIRED TO PERFORM THE WORK AND BYPASS THE WATERBODY FLOWS AROUND THE WORK SITE DURING CONSTRUCTION. ALL SUCH FEATURES SHALL BE DESIGNED TO WITHSTAND, AT A MINIMUM, THE 10-YEAR STORM WITH 1 FOOT OF FREEBOARD.
 2. THE CONTRACTOR SHALL PROVIDE SUFFICIENT PUMPING CAPACITY TO DEWATER THE WORK AREA AND ACCOUNT FOR LEAKAGE.
 3. ALL WATER DIVERSION SYSTEMS, COFFERDAM, STOPLOGS, PIPING AND PUMPS SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER REGISTERED TO PRACTICE IN NEW YORK STATE PROCURED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO USE. SUGGESTED DETAILS ARE INCLUDED WITH THIS SET OF DRAWINGS.
 4. COORDINATE INSTALLATION OF ALL DIVERSIONS AND COFFERDAM WITH THE OWNER AND IN ACCORDANCE WITH ALL REGULATORY REQUIREMENTS.
 5. CONTRACTOR SHALL DEVELOP A PLAN TO SECURE THE WORK SITE AND BREACH THE DIVERSION AND/OR COFFERDAM WITH MINIMAL RELEASE OF SEDIMENT IN THE EVENT OF A STORM EVENT THAT WILL OVERTOP THE COFFERDAM. THE PLAN MUST BE SUBMITTED TO THE OWNER AND THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION.

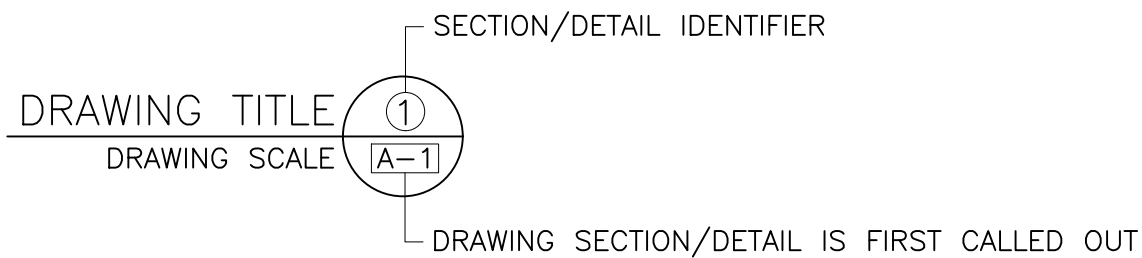
LEGEND

- LEGEND
- DEED LINE
 - WATER LINE
 - FENCE
 - OVERHEAD ELECTRIC
 - SILT FENCE
 - TURBIDITY CURTAIN
 - LIMITS OF WORK
 - 5-FT CONTOUR
 - 1-FT CONTOUR
 - APPROXIMATE LOCATION OF EXISTING SHEET PILING EXTENTS
 - SWALE
 - TREELINE
 - EXISTING BUILDING
 - PAVED ROADWAY
 - RIP RAP
 - PHASE I DEMOLITION AND REMOVAL
 - PHASE II DEMOLITION AND REMOVAL
 - TEST BORING BY F.A. DENTE ENGINEERING MAY 3, 1995 THROUGH MAY 5, 1995
 - TEST BORING BY ATLANTIC TESTING LABORATORIES DEC. 7, 2017 THROUGH JAN. 10, 2018
 - EXISTING MONUMENT



DRAWING TITLE


DRAWING SCALE



STANDARD ABBREVIATIONS

- STANDARD ABBREVIATIONS
- @ AT THE RATE OF
 - ± APPROXIMATE
 - & AND
 - [CHANNEL
 - ° DEGREE
 - ' FEET
 - " INCHES
 - > GREATER THAN
 - < LESS THAN
 - AB ANCHOR BOLT
 - ACI AMERICAN CONCRETE INSTITUTE
 - AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION
 - ANSI AMERICAN NATIONAL STANDARDS INSTITUTE
 - APPROX. APPROXIMATE
 - ASTM AMERICAN SOCIETY OF TESTING AND MATERIALS
 - AWS AMERICAN WELDING SOCIETY
 - B/ BOTTOM OF
 - CJ CONTROL JOINT
 - CL, C CENTER LINE
 - COL COLUMN
 - CONC CONCRETE
 - CONSTR CONSTRUCTION
 - CONT CONTINUOUS
 - D DEEP, DEPTH
 - DEMO DEMOLITION
 - DIA, Ø DIAMETER
 - DIM DIMENSION
 - D/S DOWNSTREAM
 - DWG DRAWING
 - E EAST
 - EA EACH
 - EF EACH FACE
 - EL. ELEVATION
 - EW EACH WAY
 - EXIST EXISTING
 - FT FEET
 - GALV GALVANIZED
 - GPM GALLONS PER MINUTE
 - GRTG GRATING
 - H HEIGHT, HIGH
 - HOR, HORZ HORIZONTAL
 - ID INNER DIAMETER, IDENTIFICATION
 - IN INCH
 - INCL INCLUDING
 - INV INVERT
 - LG LONG
 - M MINUTES
 - MAX. MAXIMUM
 - MIN. MINIMUM
 - MISC MISCELLANEOUS
 - N NORTH
 - NO, # NUMBER
 - NP NORMAL POOL
 - NTS NOT TO SCALE
 - OC ON CENTER
 - OD OUTER DIAMETER
 - OPNG OPENING
 - OUT OUTLET
 - PL PLATE
 - PSI POUNDS PER SQUARE INCH
 - PROJ PROJECTION, PROJECT
 - R, RAD RADIUS
 - REBAR REINFORCING BAR
 - REINF REINFORCEMENT
 - REQ'D REQUIRED
 - REV REVISION, REVISED
 - S SOUTH
 - SCH SCHEDULE
 - SPEC SPECIFICATION
 - SS STAINLESS STEEL
 - STD STANDARD
 - STL STEEL
 - STRUCT STRUCTURAL
 - SQ SQUARE
 - T/ TOP OF
 - TEMP TEMPORARY
 - TYP. TYPICAL
 - UON UNLESS OTHERWISE NOTED
 - U/S UPSTREAM
 - W WIDTH, WIDE, WEST
 - W/ WITH

60% DESIGN
NOT FOR CONSTRUCTION

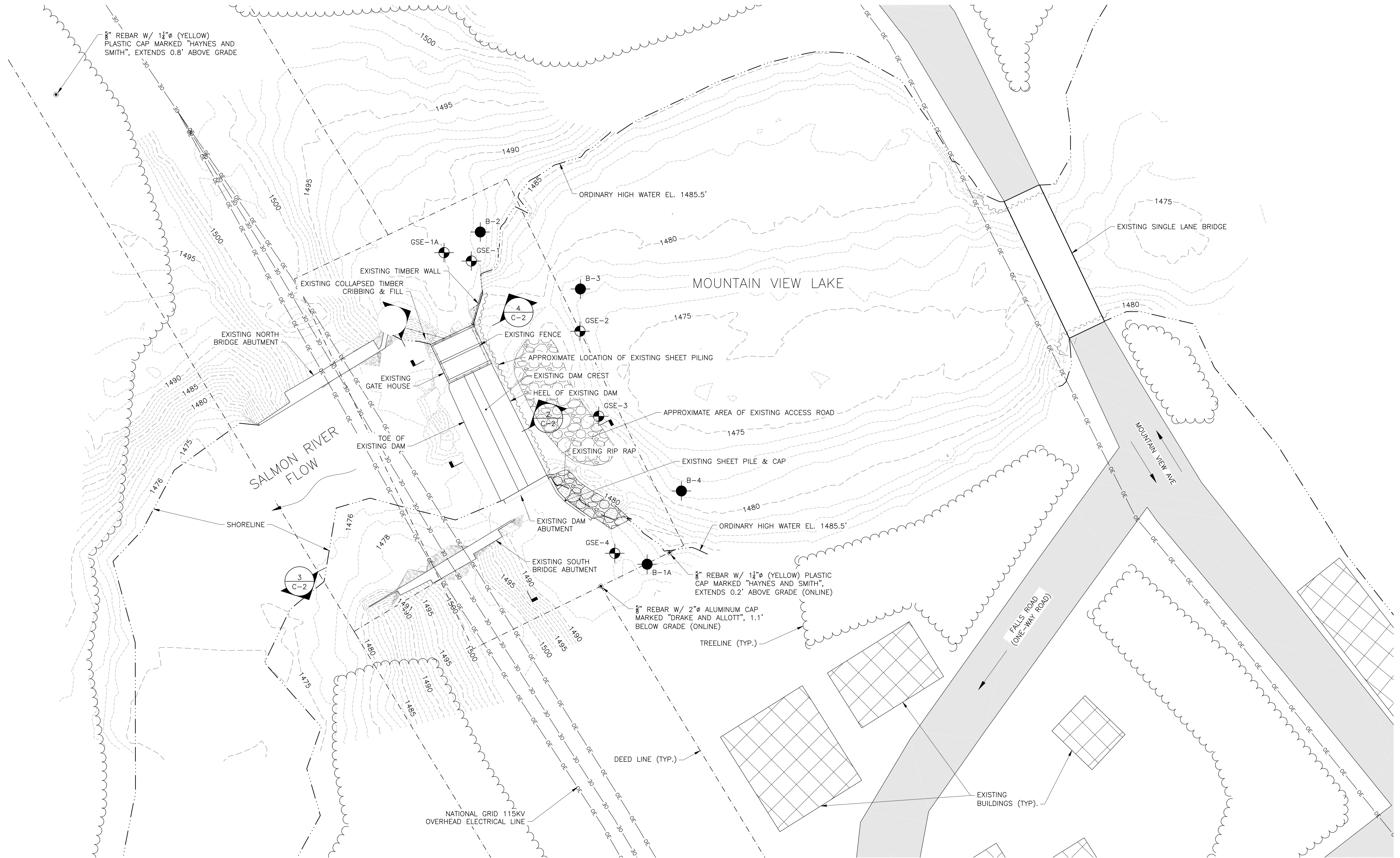
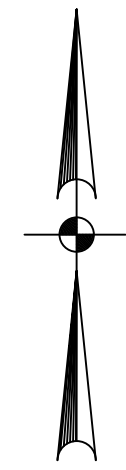
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								GENERAL NOTES, LEGEND, AND ABBREVIATIONS		DWG NO.: G-1	
								SCALE: NONE		ISSUE DATE: 4/27/2018	

4/27/18 0 ISSUED FOR APPROVAL JND/EAW WJF

DATE # ISSUE/REVISION DESCRIPTION BY APP

PROJ. NO.: 1937 CHECKED BY: EAW

DRAWN BY: JND/JSC APPROVED BY: WJF



EXISTING CONDITIONS PLAN
SCALE: 1" = 20'

60% DESIGN NOT FOR CONSTRUCTION

EXISTING CONDITIONS PLAN NOTES:

1. BASE PLAN PREPARED FROM DRAWING ENTITLED, "MOUNTAIN VIEW LAKE DAM SURVEY" PREPARED BY THEW ASSOCIATES, DATED FEBRUARY 8, 2018.
2. LOCATIONS OF EXISTING BUILDINGS, UTILITIES, AND ROADS DERIVED FROM ORTHOIMAGERY AND MUST BE FIELD VERIFIED.
3. LOCATION OF EXISTING SHEET PILING BASED ON DRAWING ENTITLED "EXISTING SITE PLAN" PREPARED BY BLUE MOUNTAIN ENGINEERING, PLC, DATED NOVEMBER 9, 2010.



TOWN OF BELLMONT
P.O. BOX 35
BRAINARDSVILLE, NY 12915

MOUNTAIN VIEW LAKE DAM RECONSTRUCTION



Williamsville, NY • Utica, NY • Albany, NY • Henniker, NH
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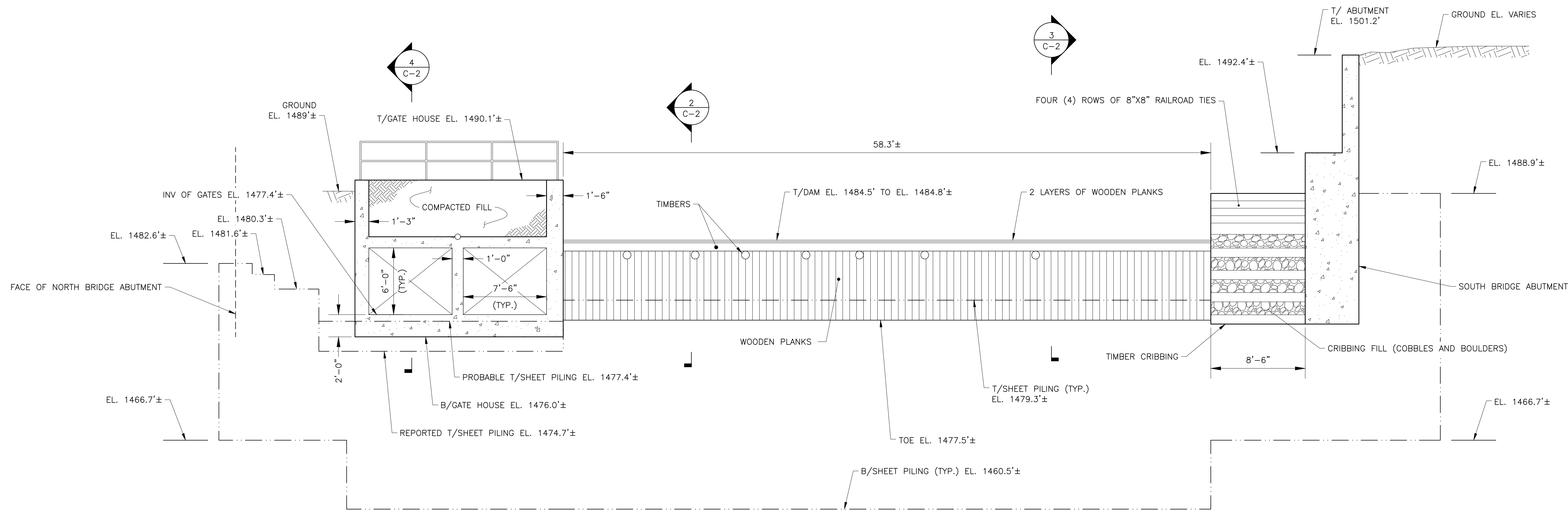
EXISTING CONDITIONS PLAN

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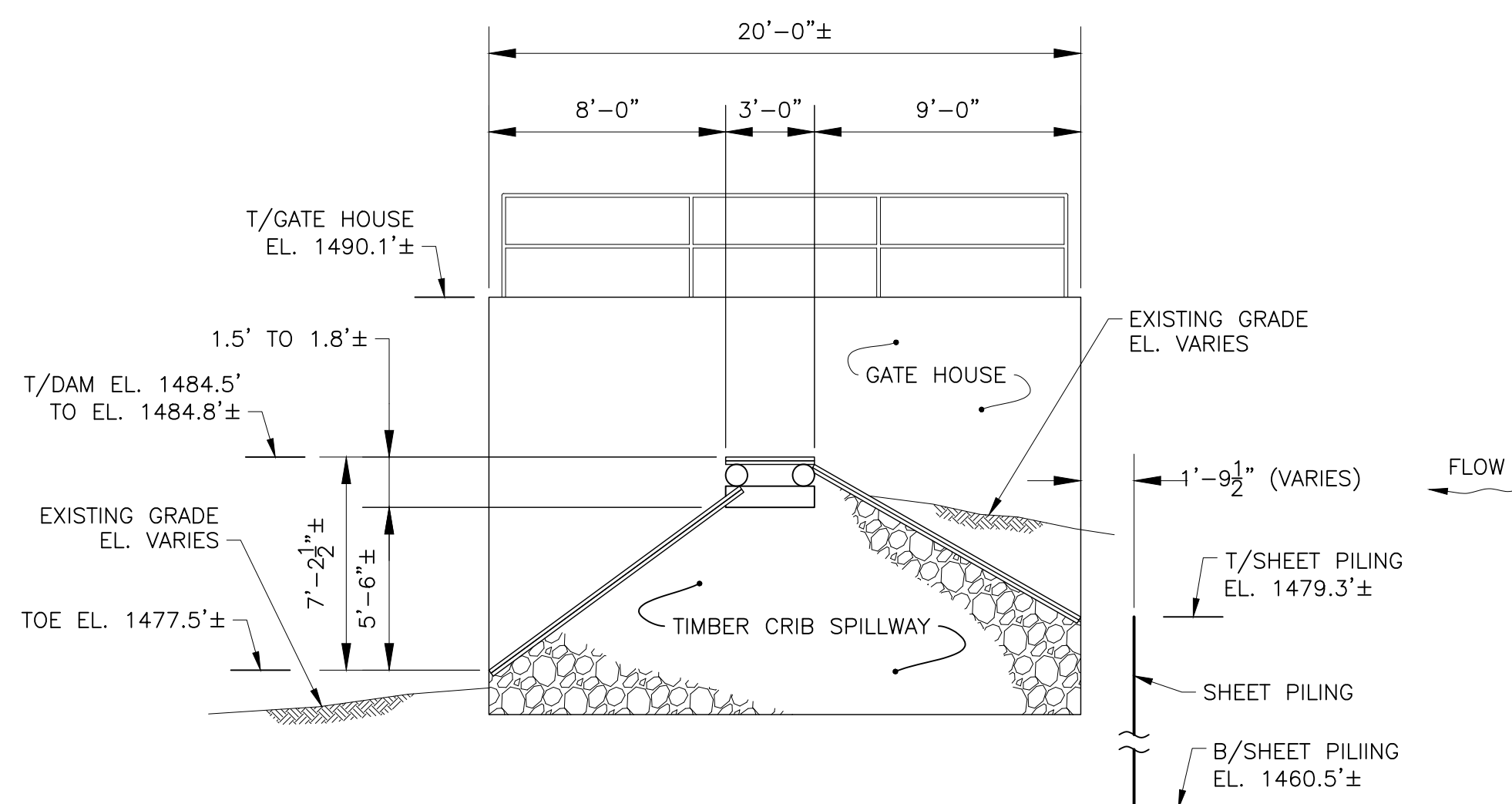
DWG NO.:

C-1

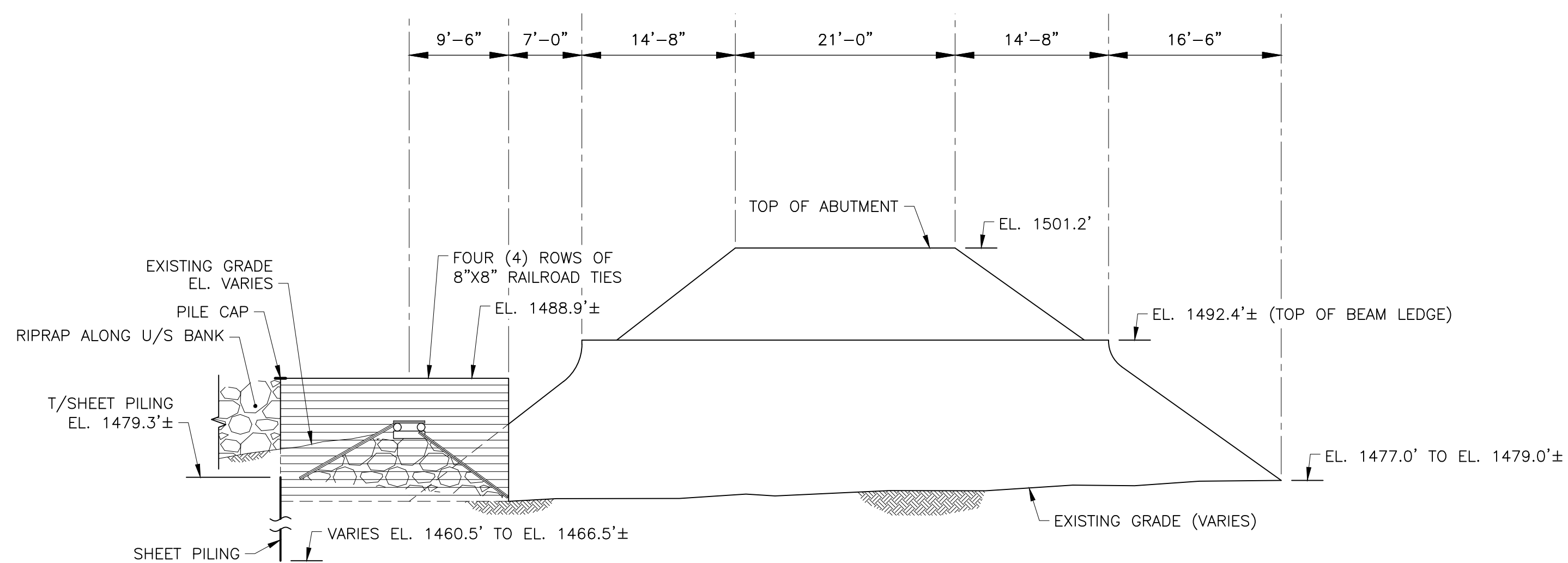
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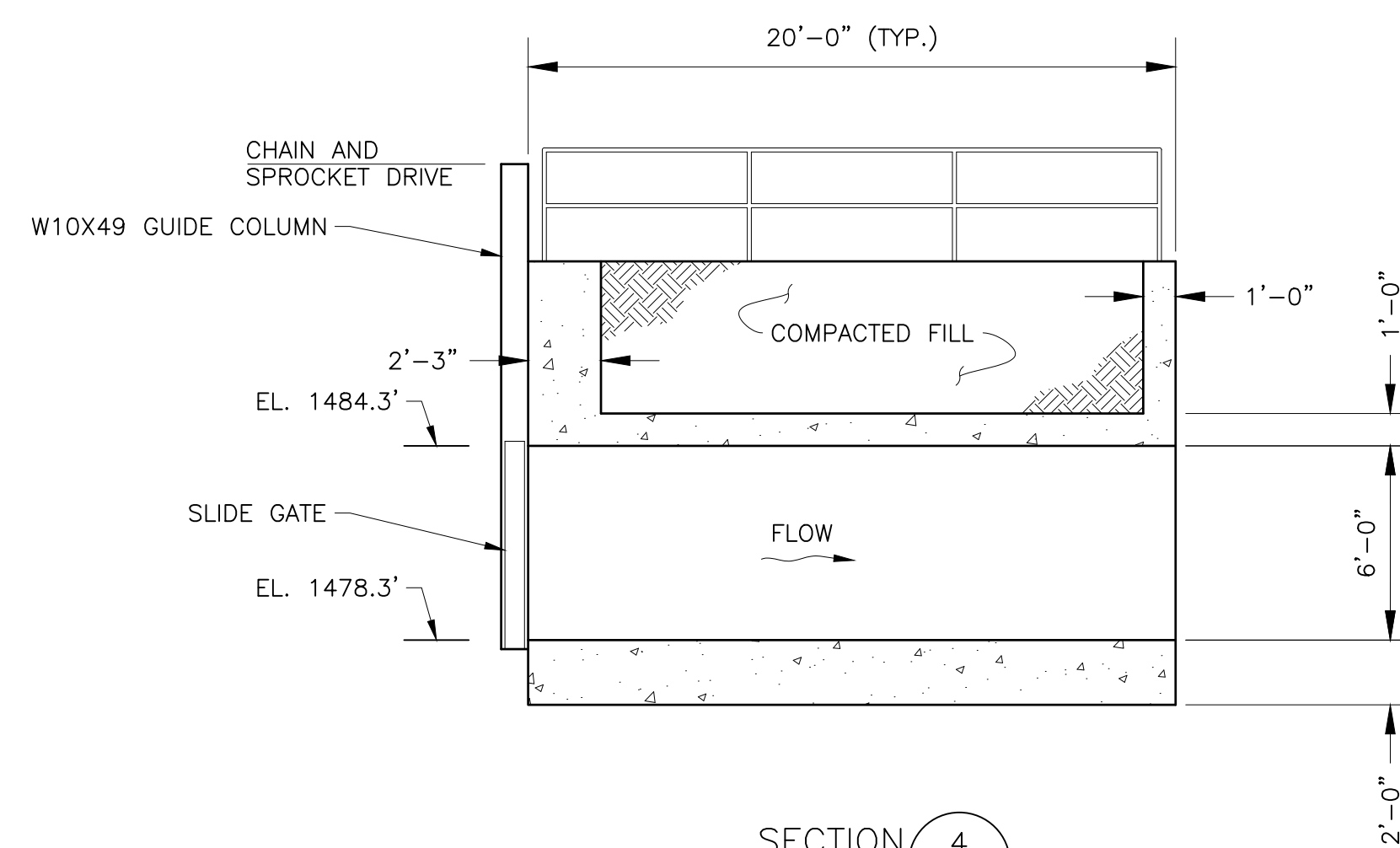
SECTION 1
SCALE: 1" = 5' C-1



SECTION 2
SCALE: 1" = 5' C-1



SECTION 3
SCALE: 1" = 10' C-1

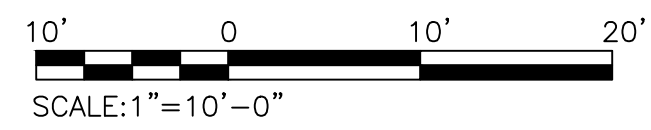
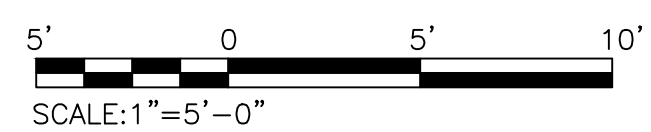


SECTION 4
SCALE: 1" = 5' C-2

GENERAL NOTES:

- DIMENSIONS OF EXISTING STRUCTURES BASED ON DRAWINGS ENTITLED, MOUNTAIN VIEW DAM, SHEET E-2: "DAM SECTIONS & ELEVATIONS" AND SHEET E-3: "DAM ELEVATIONS" BY BLUE MOUNTAIN ENGINEERING, PLLC DATED AUGUST 12, 2011.
- DIMENSIONS OF EXISTING STRUCTURES BASED ON DRAWINGS ENTITLED, MOUNTAIN VIEW DAM, SHEET F-621-8: "ALTERNATE CAST IN PLACE BOX CULVERTS NEW GATES" BY CHARLES J. BARROW CONSULTING ENGINEERS DATED AUGUST 28, 1997.
- ALL ITEMS SHOWN ON THIS DRAWING REPRESENT EXISTING CONDITIONS AS THEY ARE UNDERSTOOD BASED ON AVAILABLE RECORD DRAWINGS AND VISUAL OBSERVATIONS AND ARE NOT REPRESENTED AS BEING EXACT OR COMPLETE.

60% DESIGN
NOT FOR CONSTRUCTION



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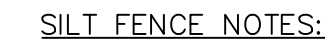
MOUNTAIN VIEW LAKE DAM RECONSTRUCTION

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EXISTING DAM AND GATE
STRUCTURE SECTIONS

DWG NO.:
C-2

SCALE: AS NOTED ISSUE DATE: 4/27/2018



1. WOVEN WIRE REINFORCED FENCE IS REQUIRED WITHIN 100' UPSLOPE OF RECEIVING WATERS. WOVEN WIRE SHALL BE A MIN. 14 GAUGE WITH A 6" MAX. MESH OPENING.
2. POST SPACING FOR WIRE-BACKED FENCE SHALL BE 10' MAXIMUM. FOR FILTER-CLOTH FENCE, WHEN ELONGATION IS >50% POST SPACING SHALL NOT EXCEED 4' AND WHEN ELONGATION IS <50% POST SPACING SHALL NOT EXCEED 6'.
3. WOVEN WIRE FENCE IS TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES. FILTER CLOTH IS TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
4. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY 6" AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUIVALENT.
5. SILT FENCE SHALL BE PROVIDED AT THE LIMITS OF ALL WORK ON DRY LAND INCLUDING TEMPORARY HAUL ROADS.
6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES HALF OF FABRIC HEIGHT.
7. SILT FENCE SHALL BE REMOVED UPON FINAL STABILIZATION OF PROJECT SITE.
8. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH NEW YORK STATE STANDARDS.



1. CROSS SECTION SHOWN IS FOR DIAGRAM PURPOSES ONLY. SEE SPEC SECTION 02140 FOR DESIGN REQUIREMENTS.
2. TOP OF COFFERDAM SHALL BE 1-FOOT (MIN.) ABOVE 10-YEAR STORM EVENT WATER SURFACE ELEVATIONS. 10-YEAR STORM EVENT WATER SURFACE ELEVATIONS ARE AS FOLLOWS:
 - A. PHASE I: HW = EL. 1486.6', TW = EL. 1478.6'
 - B. PHASE II: HW = EL. 1486.8', TW = EL. 1477.3'




1. FILTER BAGS SHALL BE SEWN WITH HIGH STRENGTH, DOUBLE-STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS.
2. FILTER BAG SHALL BE USED AT ALL PUMP DISCHARGES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
3. FILTER BAGS SHALL BE REPLACED WHEN HALF FULL OF SEDIMENT.
4. PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS.
5. INSPECT FILTER BAGS DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

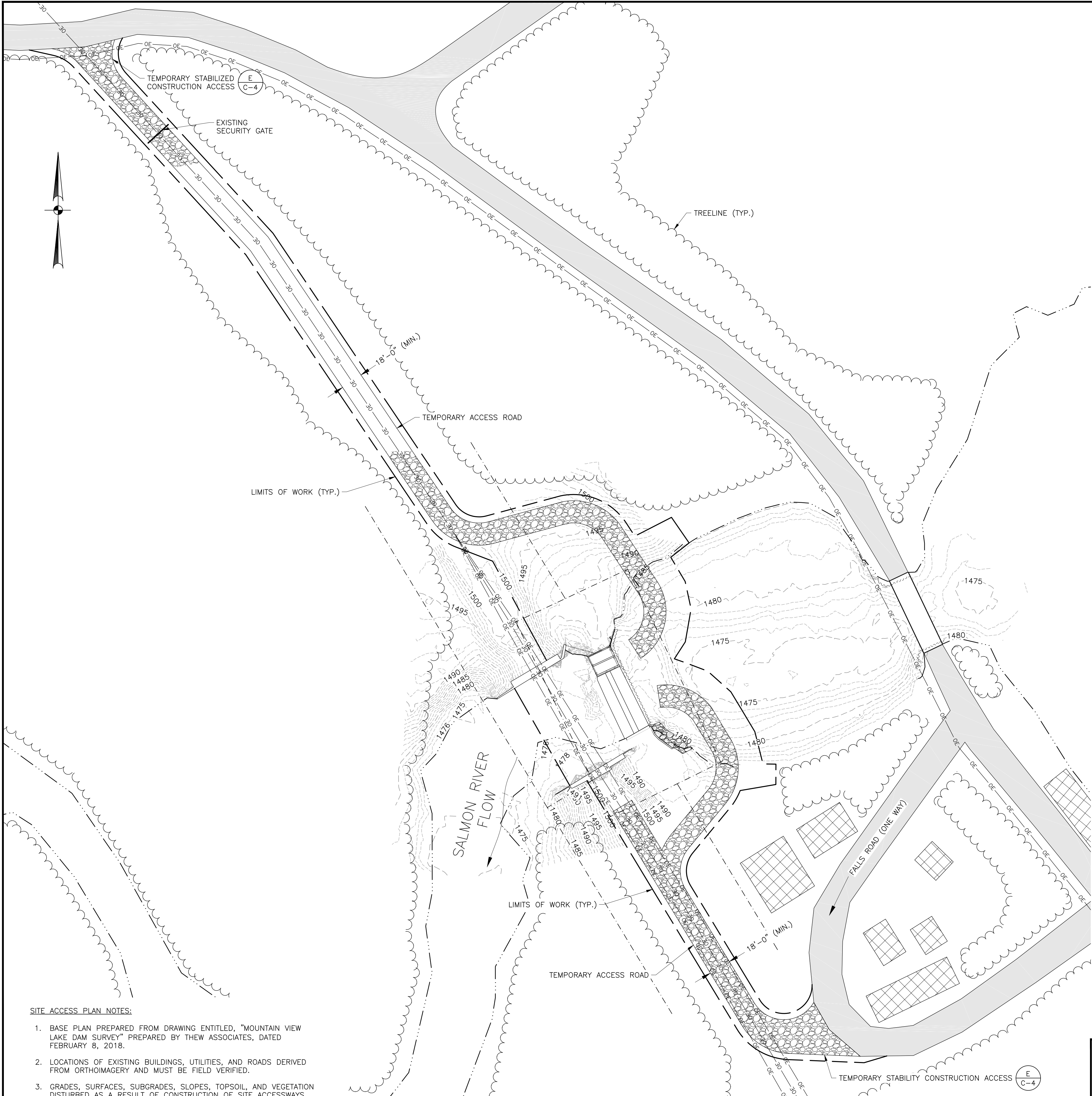


1. CURTAIN SHALL EXTEND FROM WATER SURFACE TO LAKE BOTTOM OVER THE RANGE OF EXPECTED WATER LEVELS.
2. THE FABRIC HEIGHT SHALL BE 20% GREATER THAN THE DEPTH OF THE WATER.
3. TURBIDITY CURTAIN SHOWN SHALL BE USED OUTSIDE OF ALL COFFERDAMS THAT DO NOT HAVE AN INTEGRAL SILT BARRIER.
4. TURBIDITY CURTAIN TO BE PLACED 6' (MIN.) UPSTREAM OF FACE OF PROPOSED COFFERDAM, UNLESS OTHERWISE SHOWN.



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4/27/18	0	ISSUED FOR APPROVAL			JND/EAW	WJF		
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DRAWN BY: JND/JSC					APPROVED BY: WJF		SCALE:	AS NOTED
							ISSUE DATE:	4/27/2018

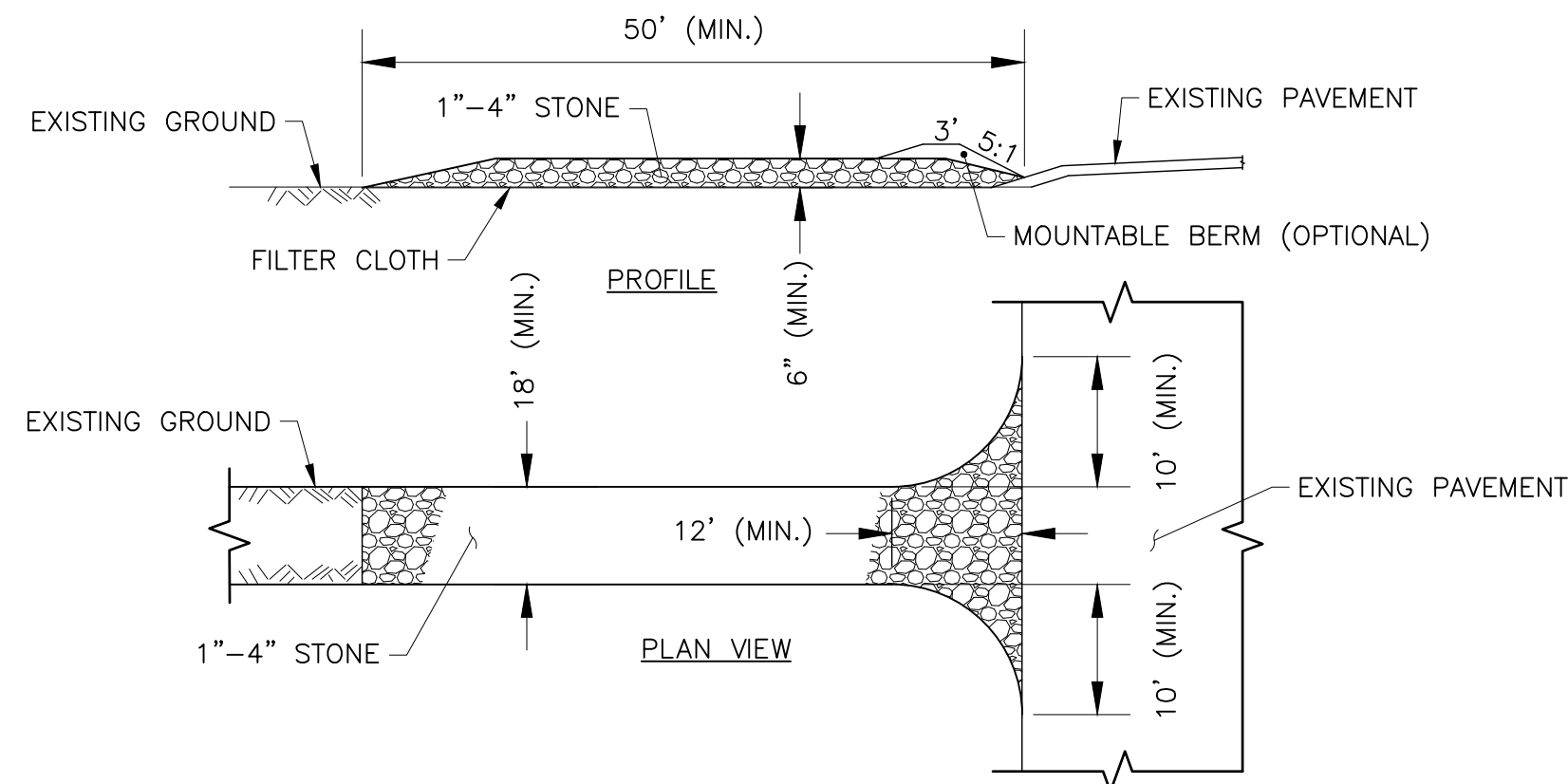
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SITE ACCESS PLAN NOTES:

1. BASE PLAN PREPARED FROM DRAWING ENTITLED, "MOUNTAIN VIEW LAKE DAM SURVEY" PREPARED BY THEW ASSOCIATES, DATED FEBRUARY 8, 2018.
2. LOCATIONS OF EXISTING BUILDINGS, UTILITIES, AND ROADS DERIVED FROM ORTHOIMAGERY AND MUST BE FIELD VERIFIED.
3. GRADES, SURFACES, SUBGRADES, SLOPES, TOPSOIL, AND VEGETATION DISTURBED AS A RESULT OF CONSTRUCTION OF SITE ACCESSWAYS SHALL BE RESTORED TO THEIR PRE-CONSTRUCTION CONDITION UPON COMPLETION OF DAM STRUCTURE CONSTRUCTION.

SITE ACCESS PLAN
SCALE: 1" = 40'



TEMPORARY STABILIZED CONSTRUCTION ACCESS NOTES:

1. STONE SIZE - USE 1"-4" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50'
3. THICKNESS - NOT LESS THAN 6".
4. WIDTH - 18" MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24' IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE - SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESS SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN AND ACCORDING TO PERMIT REQUIREMENTS.
10. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH NEW YORK STATE STANDARDS.

TEMPORARY STABILIZED CONSTRUCTION ACCESS DETAIL
SCALE: NOT TO SCALE

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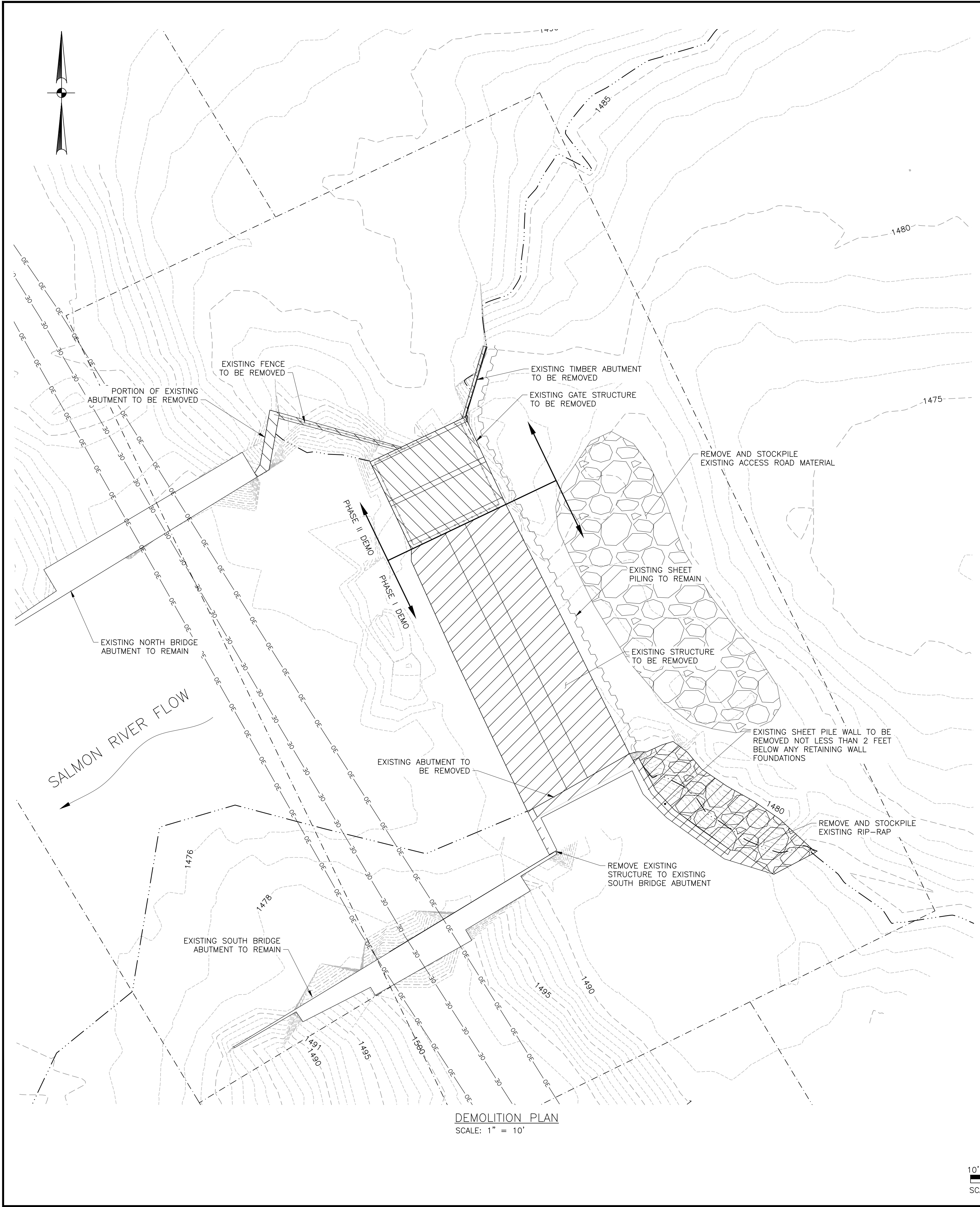
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SITE ACCESS PLAN, SECTIONS,
AND DETAILS

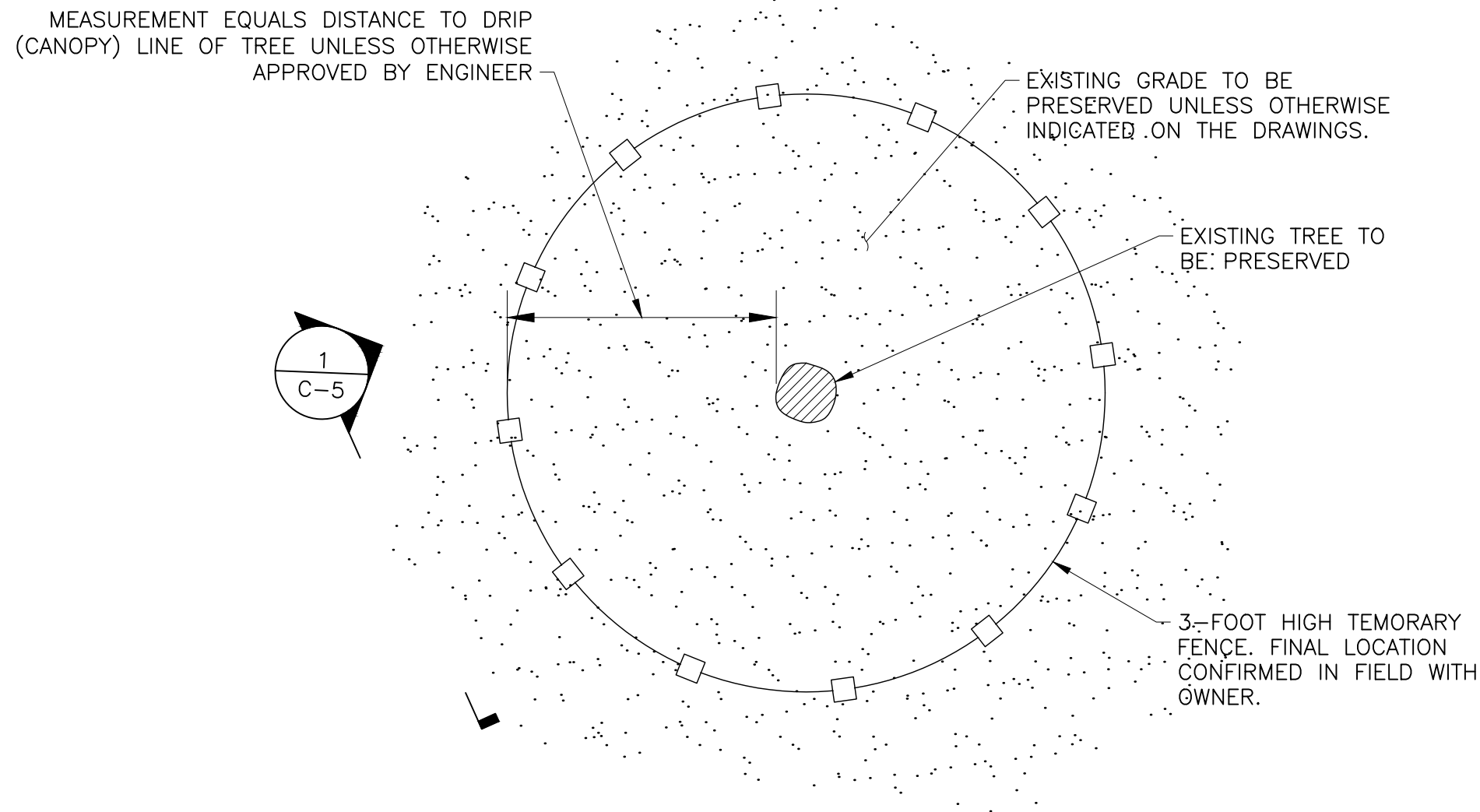
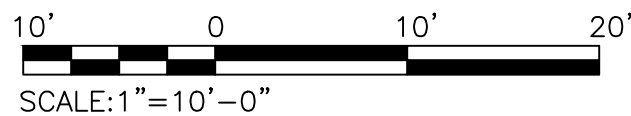
DWG NO.:
C-4

SCALE: AS NOTED ISSUE DATE: 4/27/2018

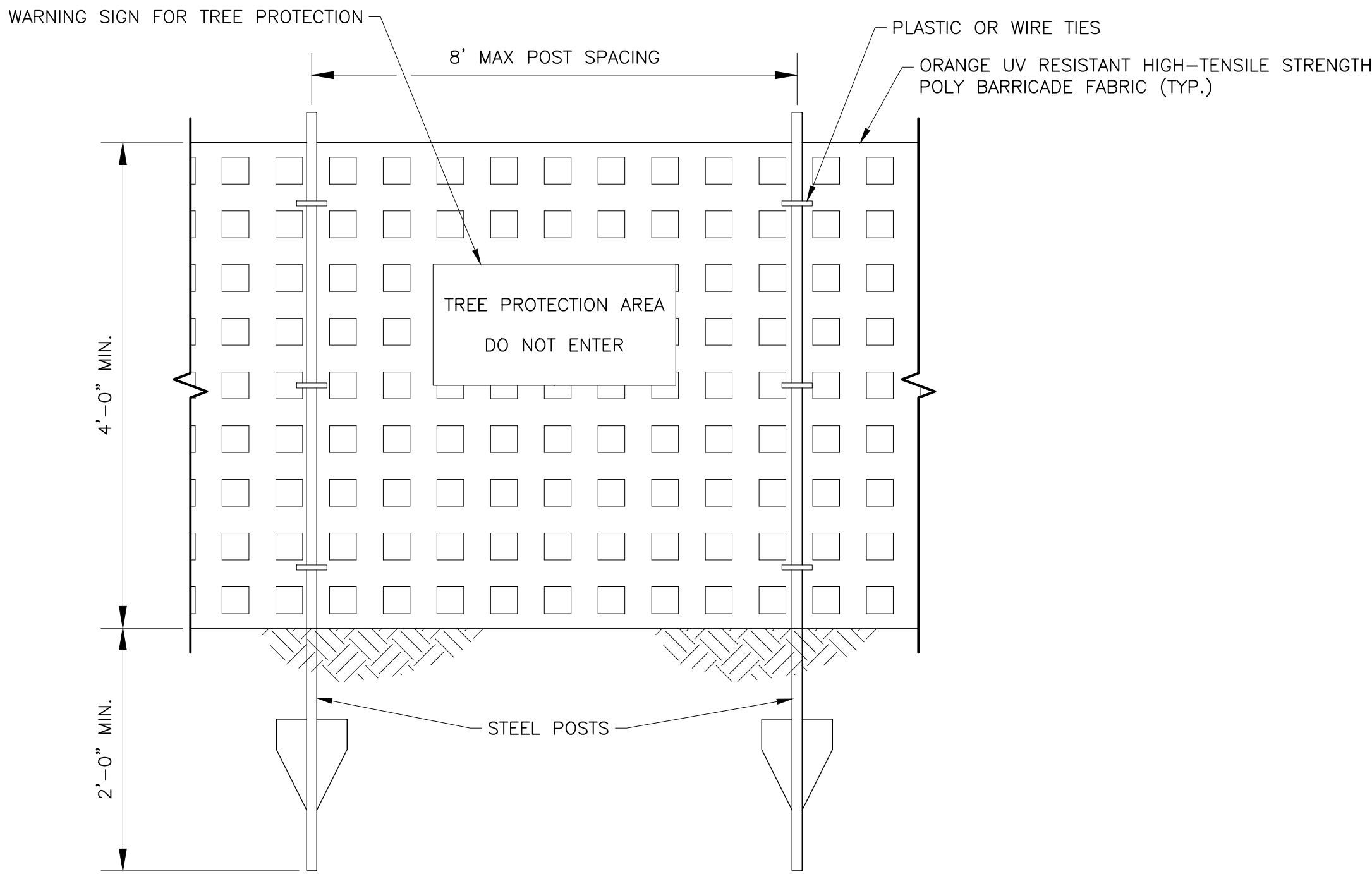
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DEMOLITION PLAN
SCALE: 1" = 10'



TREE PROTECTION DETAIL **F**
SCALE: NOT TO SCALE **C-5**



TREE PROTECTION FENCE SECTION **1**
SCALE: NOT TO SCALE **C-5**

TREE PROTECTION NOTES:

1. FENCING SHALL BE INSTALLED AROUND PERIMETER OF ALL EXISTING TREES TO BE PROTECTED AS APPROVED BY ENGINEER.
2. FENCING MAY BE REMOVED TEMPORARILY, ONLY AS REQUIRED TO PERFORM WORK SHOWN ON THE DRAWINGS.
3. FENCING SHALL REMAIN IN PLACE AND BE MAINTAINED THROUGHOUT CONSTRUCTION AND THEN REMOVED COMPLETELY AS DIRECTED BY THE OWNER.

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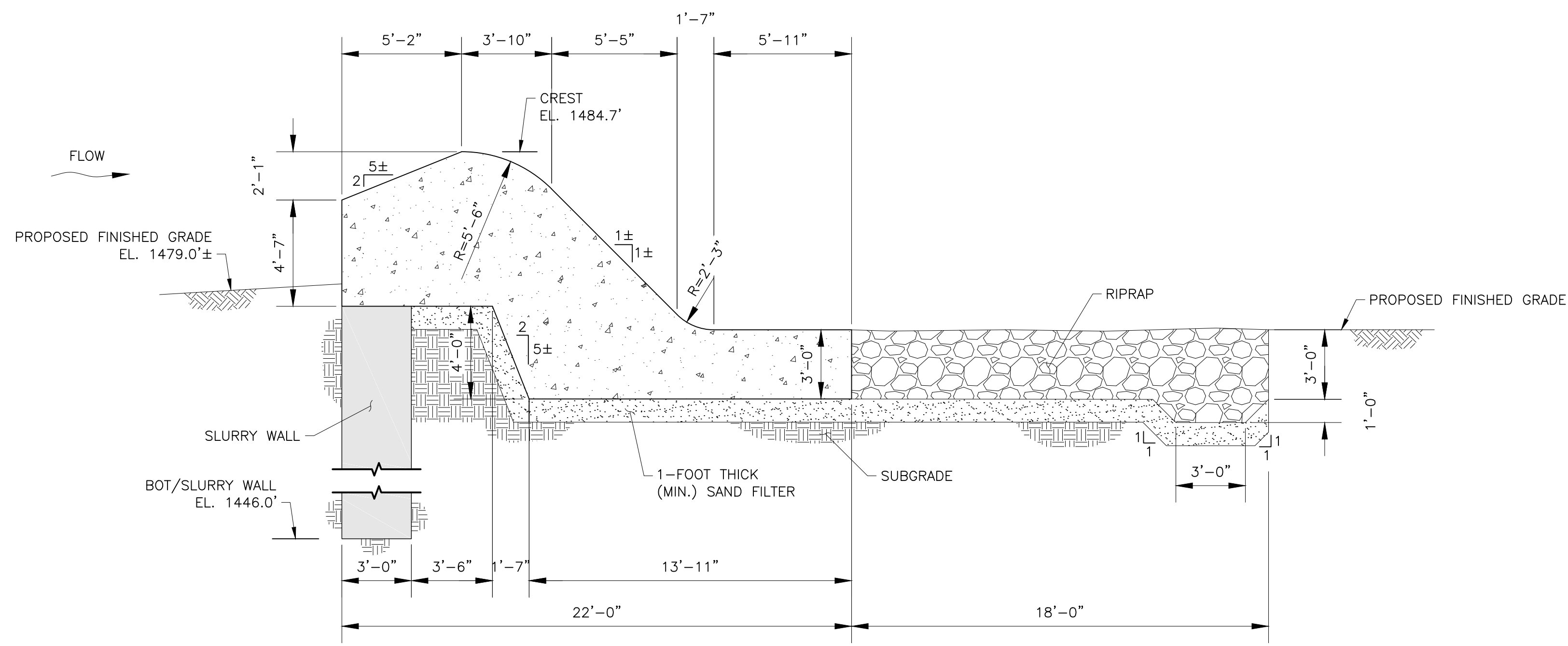
DEMOLITION PLAN

SCALE: AS NOTED ISSUE DATE: 4/27/2018

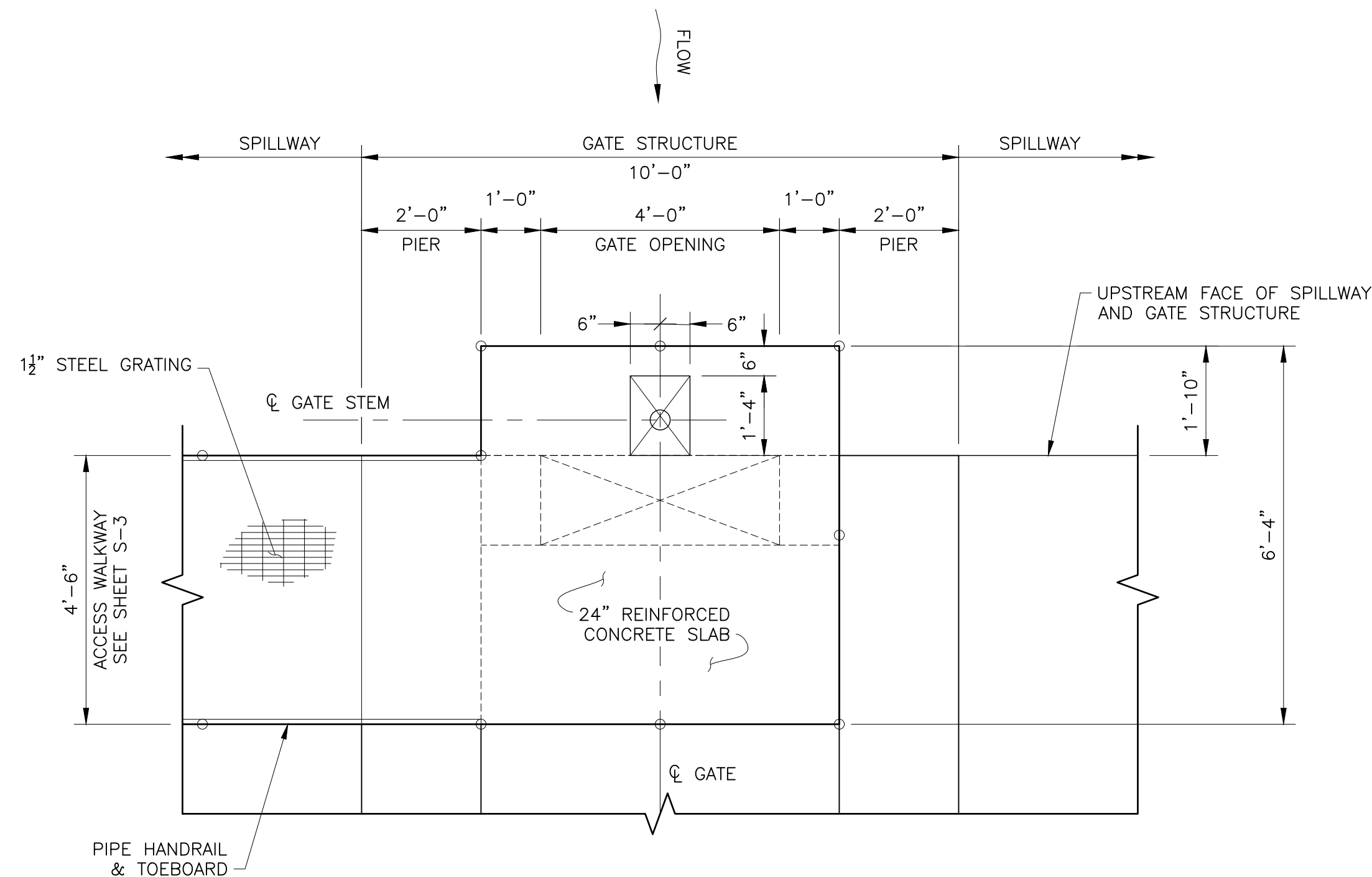
DWG NO.:
C-5

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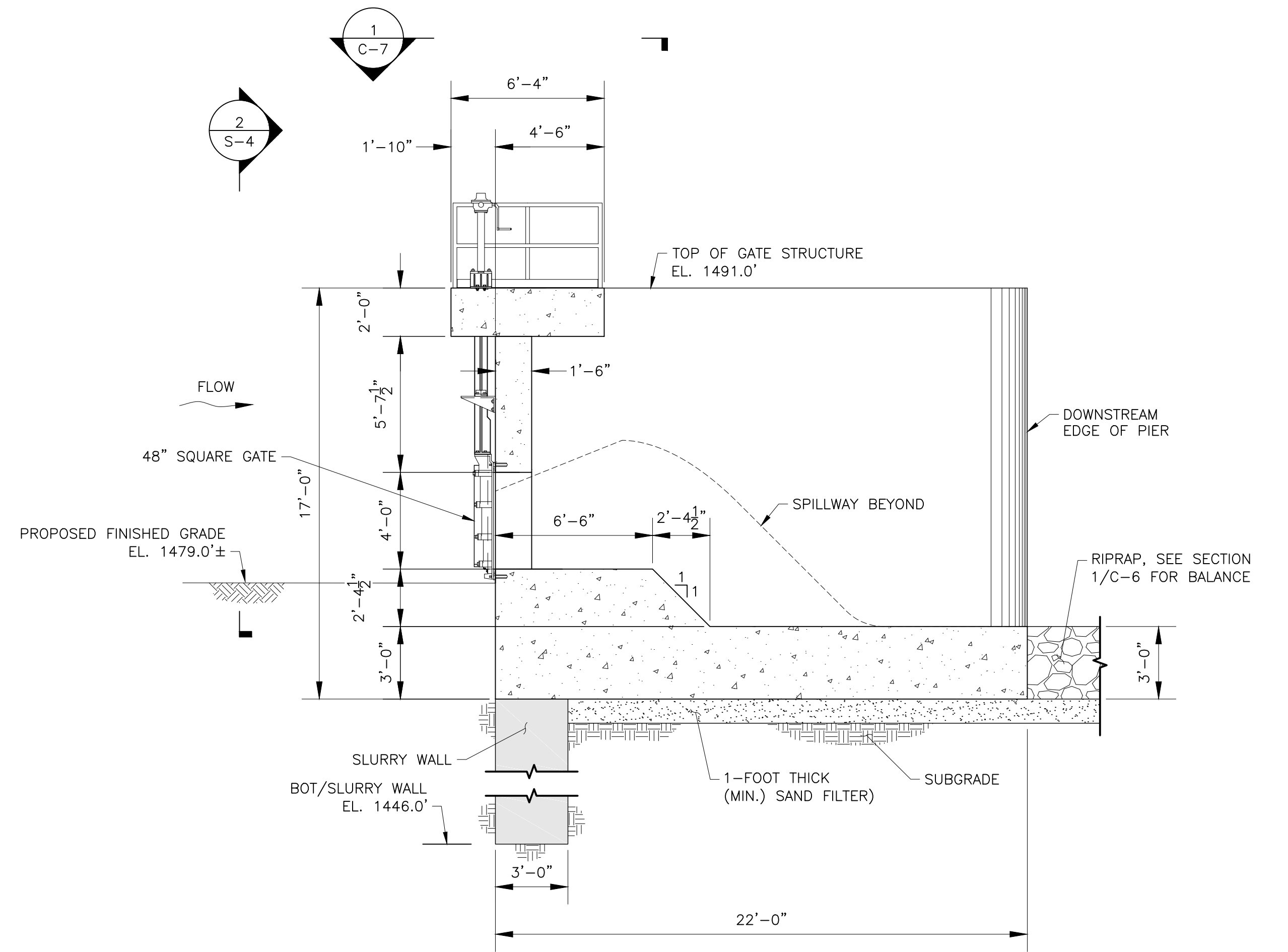
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PROPOSED OGEE SPILLWAY SECTION 6
SCALE: 1" = 4' C-6




PROPOSED GATE PLAN 1
SCALE: 1" = 2' C-7

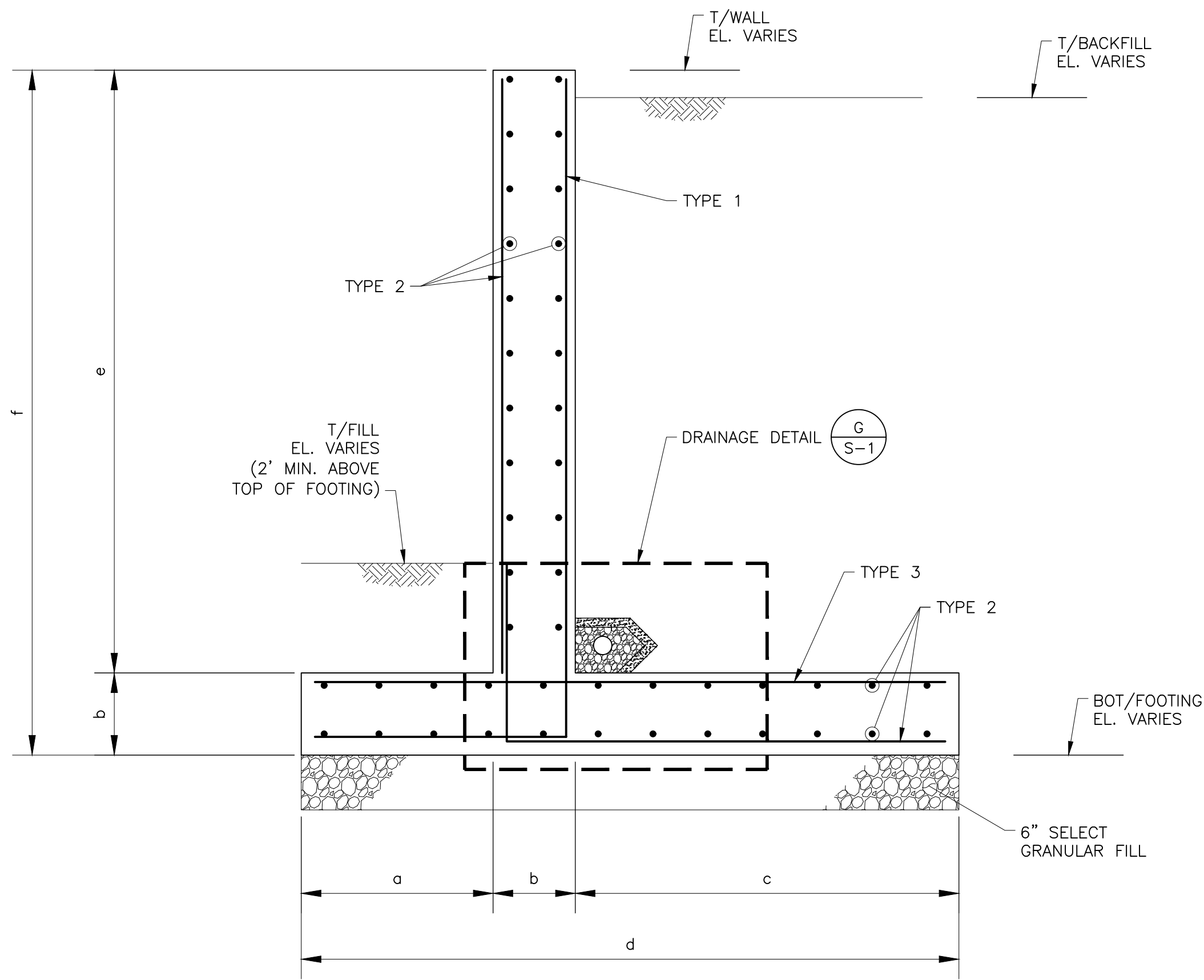


PROPOSED GATE SECTION 7
SCALE: 1" = 4' C-6

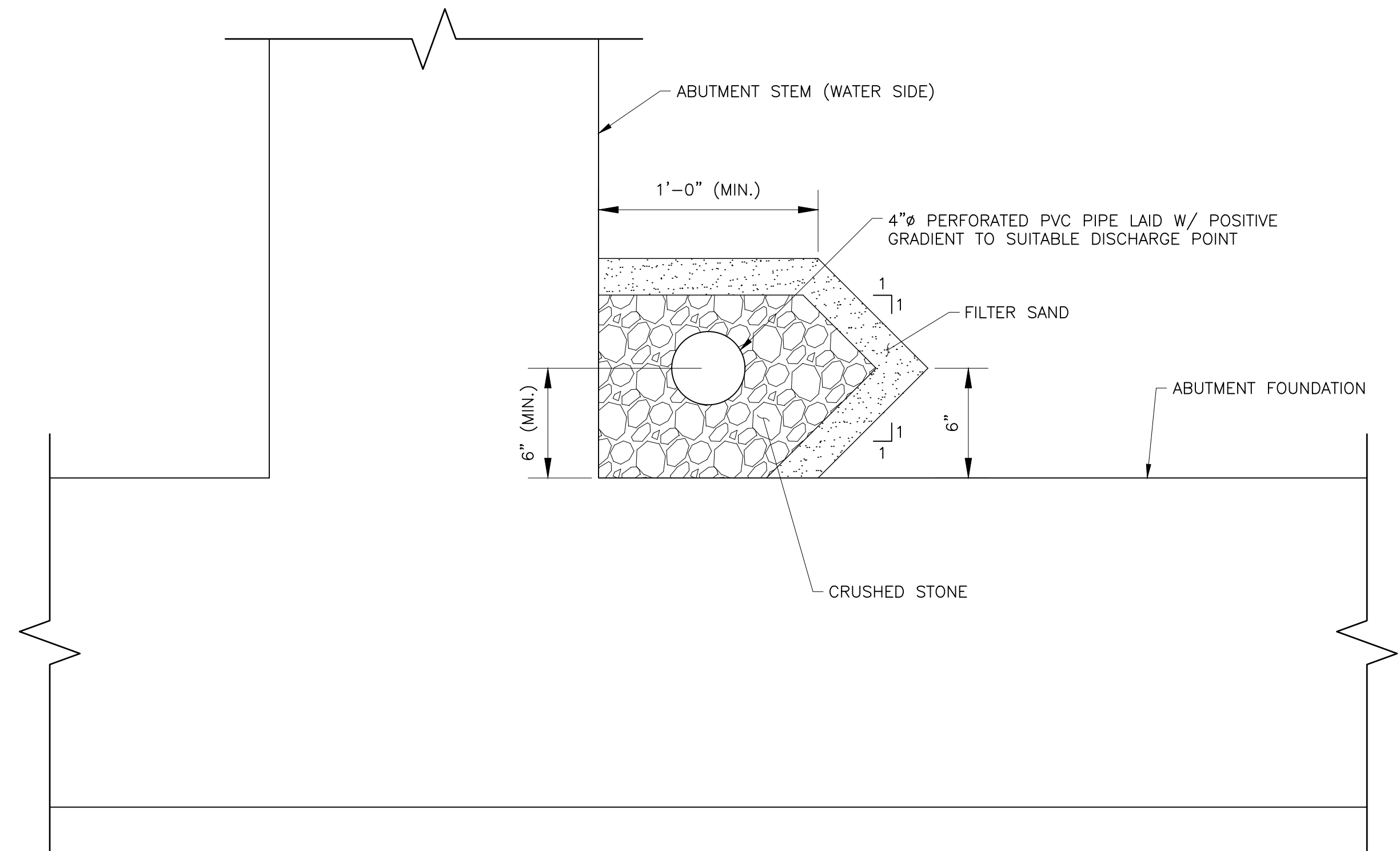
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				PROPOSED CONDITIONS SECTIONS AND DETAILS				DWG NO.: C-7	
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TYPICAL RETAINING WALL ABUTMENT SECTION (C-6)
SCALE: NOT TO SCALE



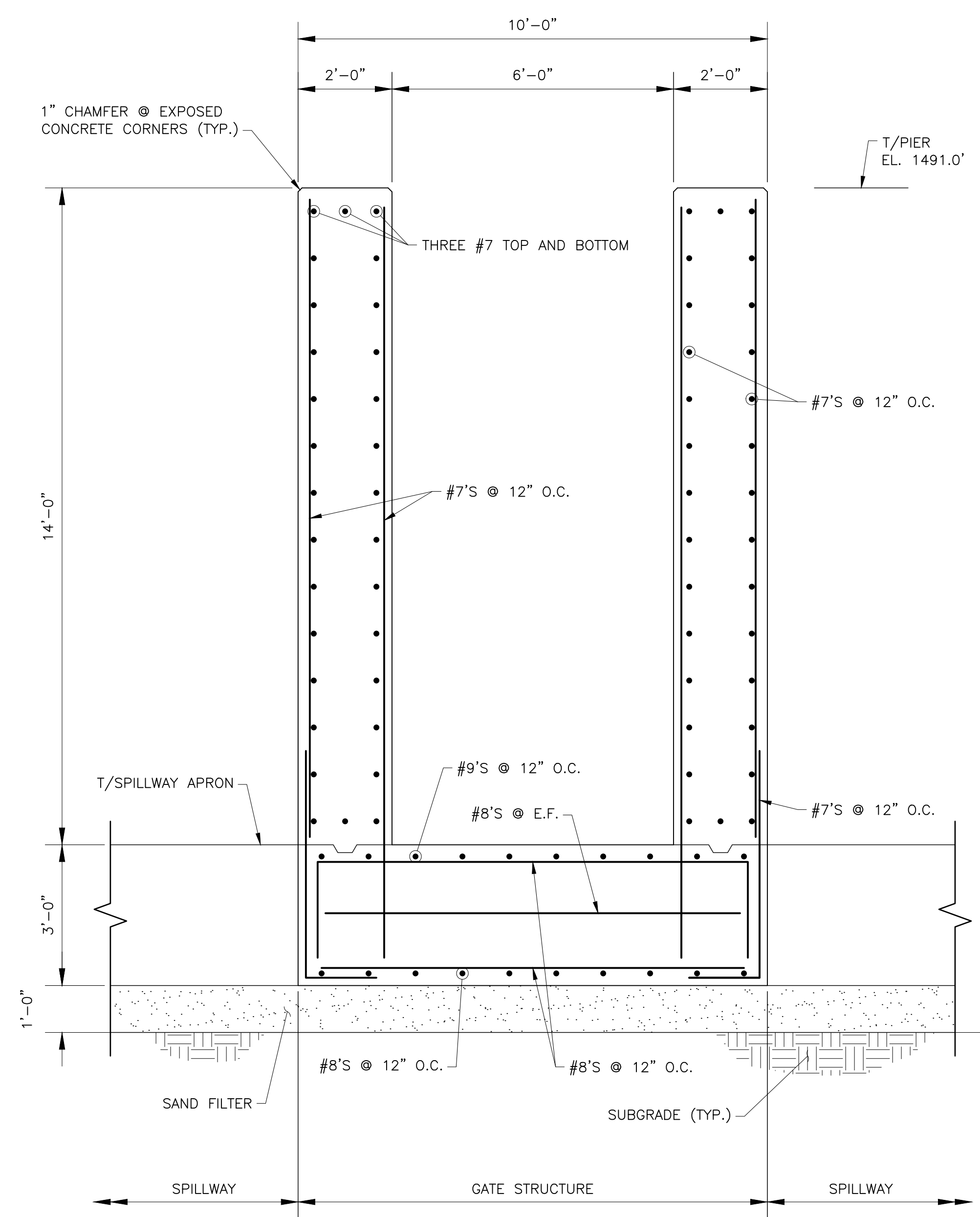
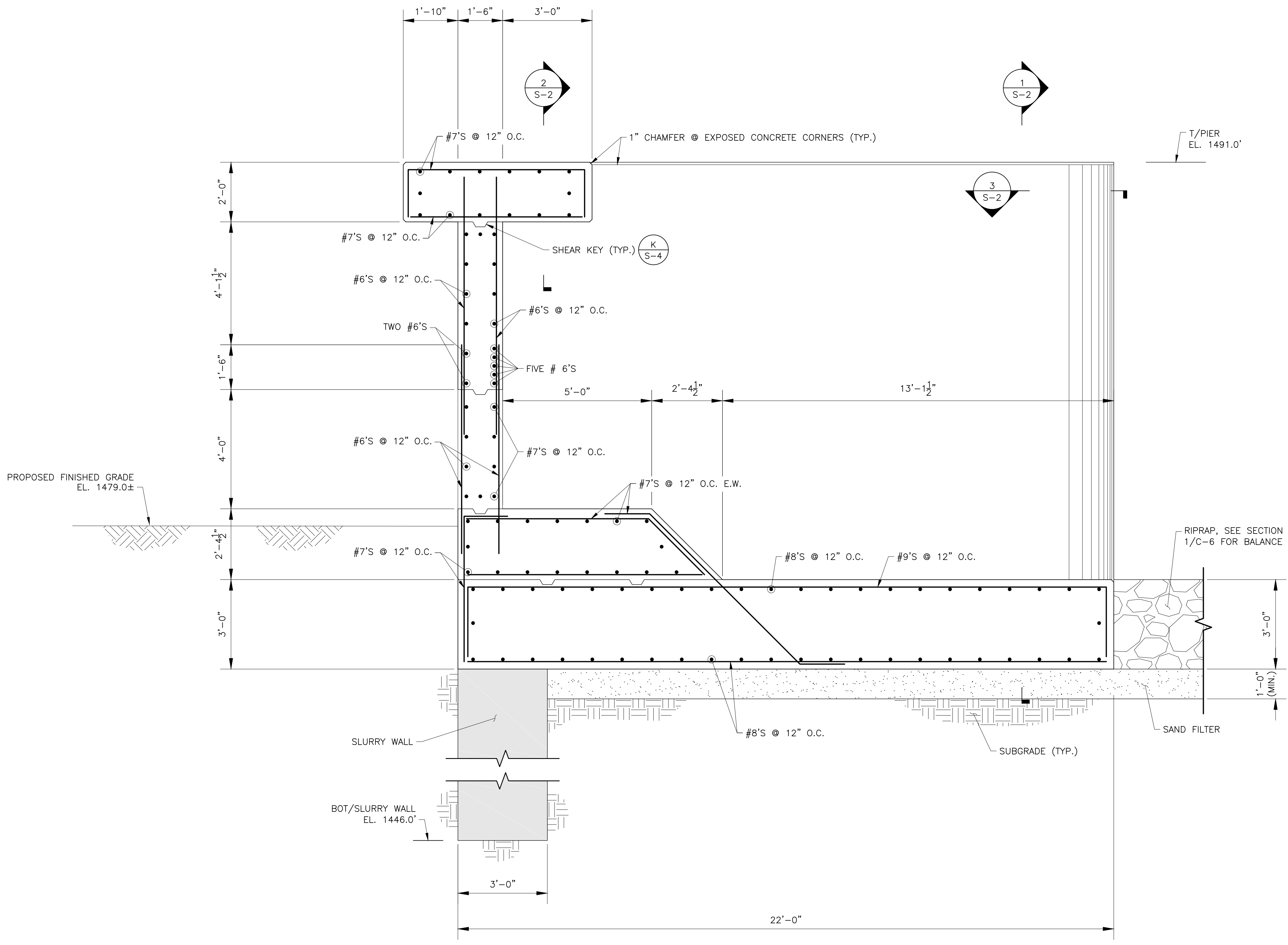
RETAINING WALL ABUTMENT DRAINAGE DETAIL (G/S-1)
SCALE: 1" = 6"

RETAINING WALL ABUTMENTS INFORMATION									
SECTION	ABUTMENT DIMENSION								
	a	b	c	d	e	f	TYPE 1	TYPE 2	TYPE 3
1	3'-6"	1'-6"	7'-0"	12'-0"	16'-6"	18'-0"	#8'S@9"	#6'S@12"	#8'S@9"
2	3'-6"	1'-6"	6'-6"	11'-6"	15'-6"	17'-0"	#7'S@10"	#6'S@12"	#7'S@10"
3	3'-6"	1'-6"	7'-0"	12'-0"	16'-6"	18'-0"	#8'S@9"	#6'S@12"	#8'S@9"
4	3'-6"	1'-6"	6'-6"	11'-6"	15'-6"	17'-0"	#7'S@10"	#6'S@12"	#7'S@10"
5	3'-0"	1'-6"	5'-0"	9'-6"	12'-6"	14'-0"	#6'S@10"	#6'S@12"	#6'S@10"

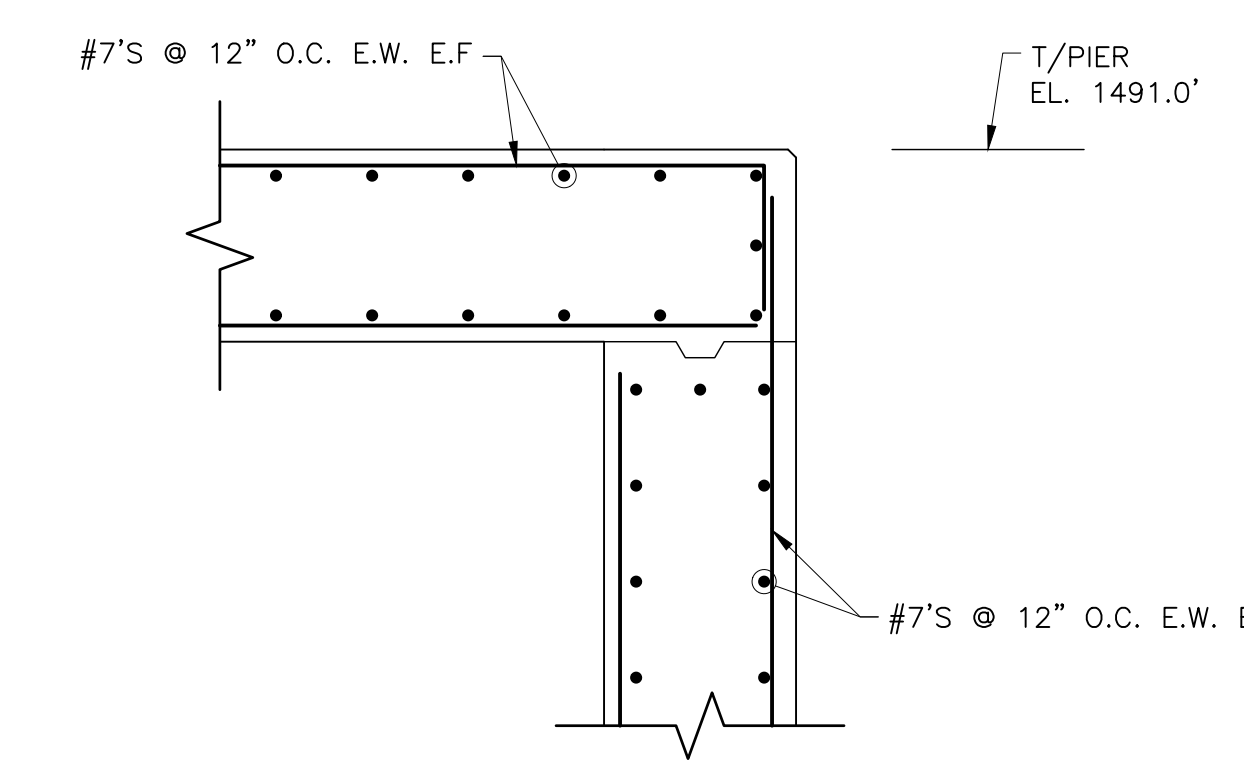
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SCALE: AS NOTED				ISSUE DATE: 4/27/2018			
				DWG NO.: S-1			

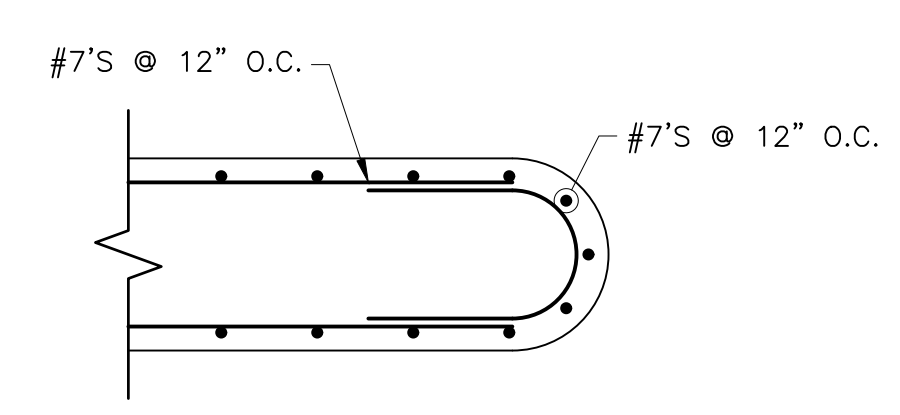
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GATE SECTION 1
SCALE: 1" = 2'



GATE SECTION 2
SCALE: 1" = 2'



PIER REINFORCING SECTION 3
SCALE: 1" = 2'

GATE SECTION 7
SCALE: 1" = 2'

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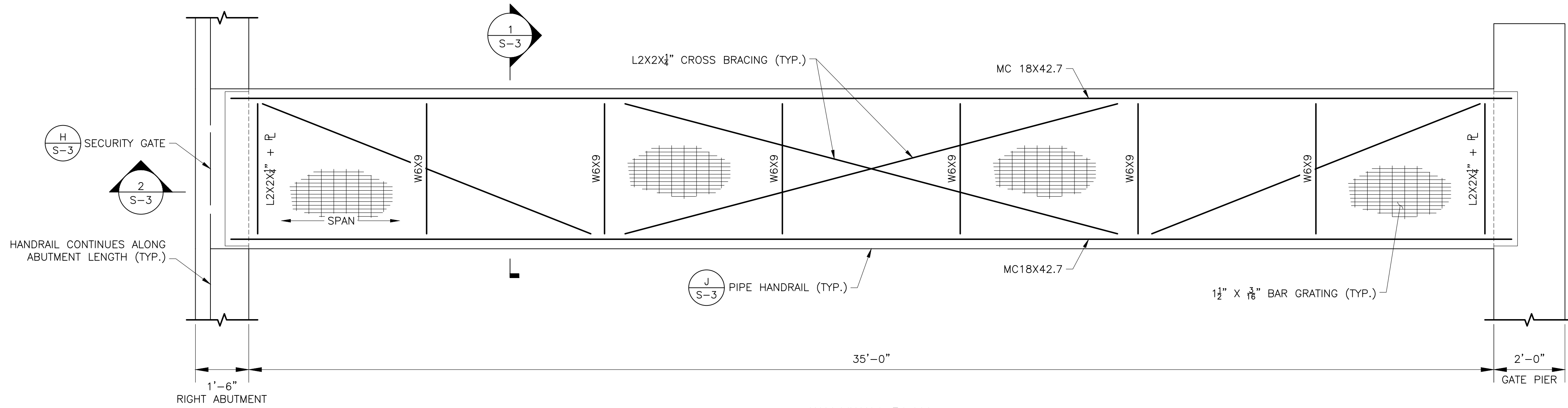
GATE STRUCTURE PLAN,
SECTIONS, AND DETAILS

DWG NO.:
S-2

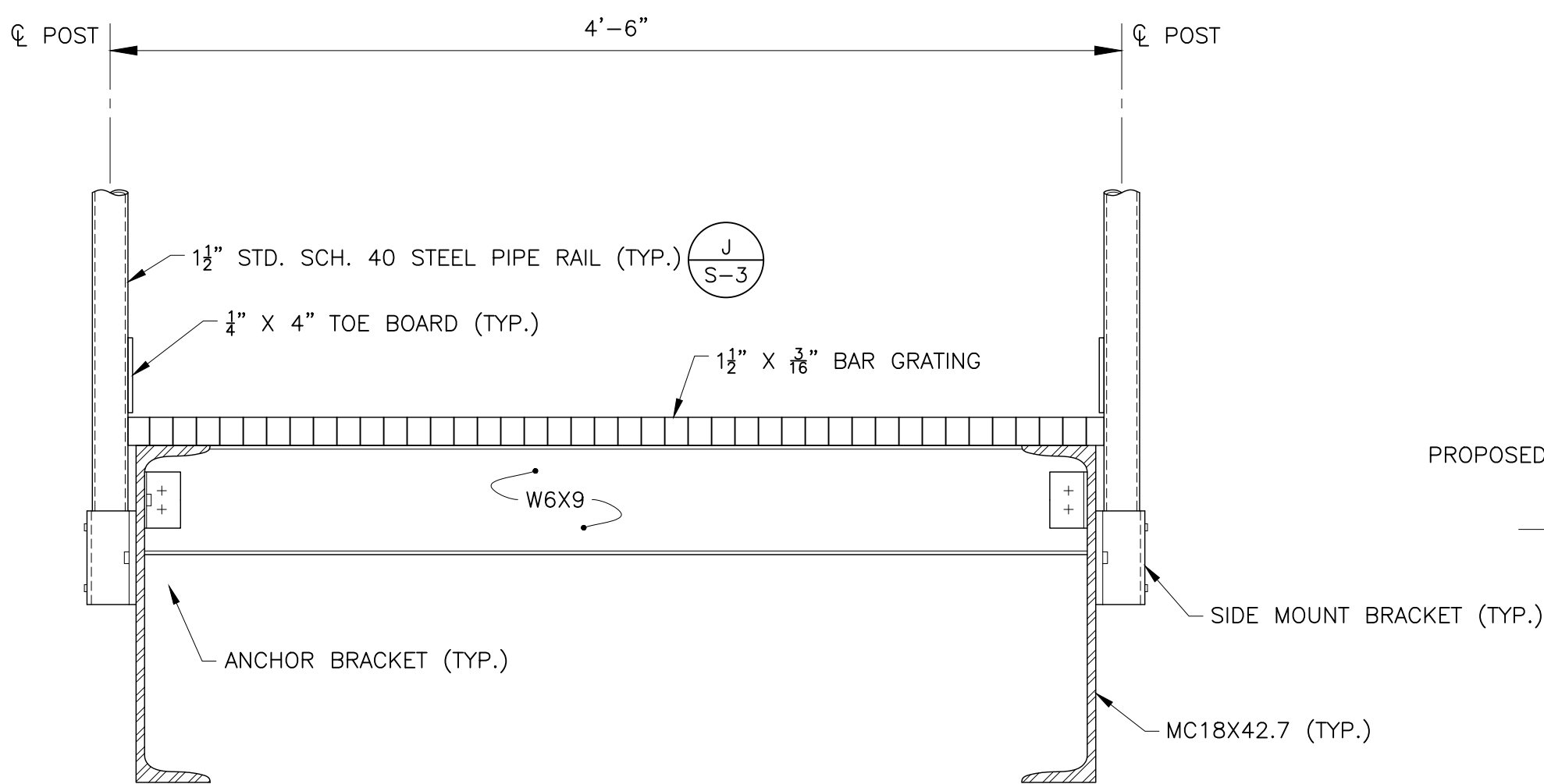
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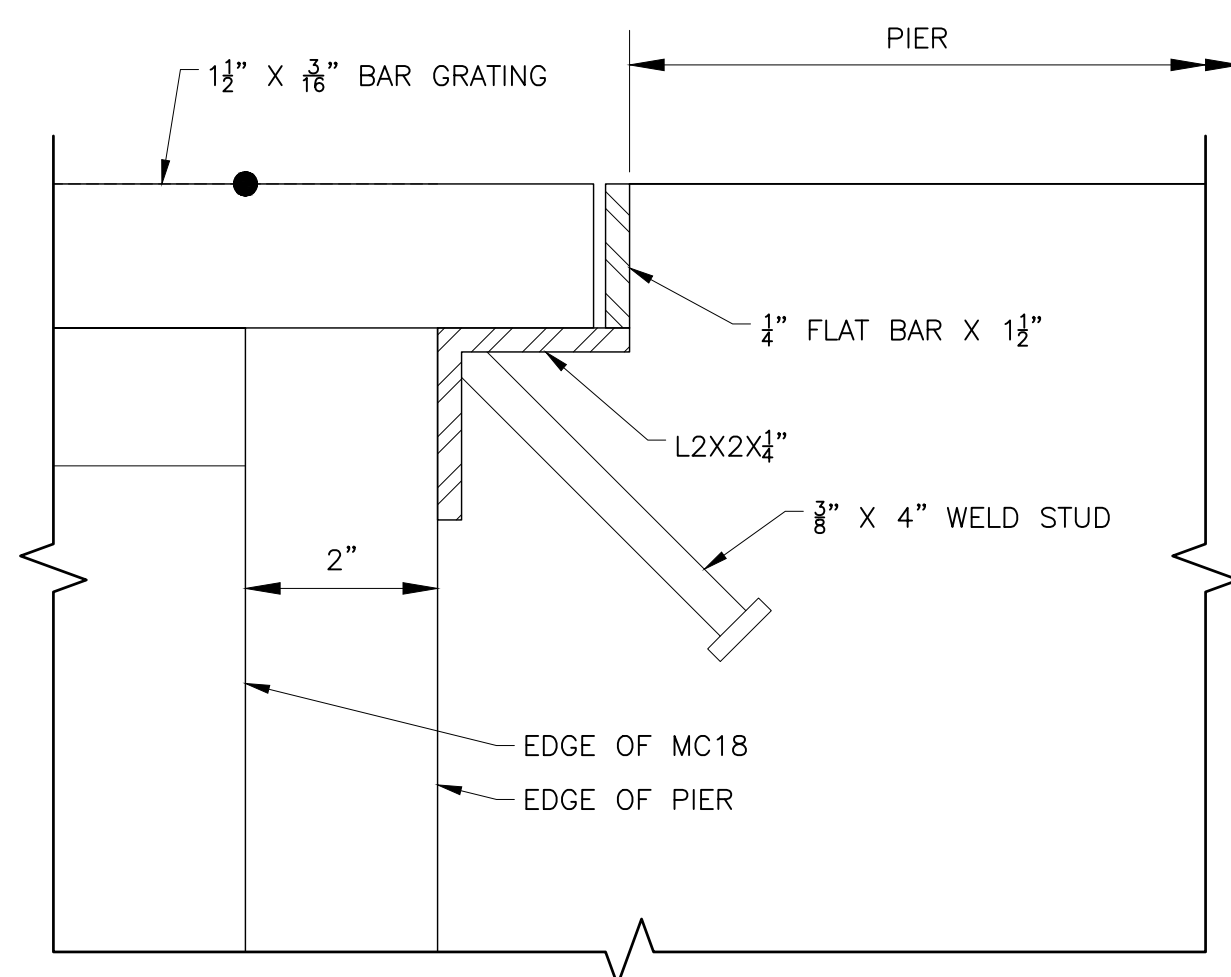
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WALKWAY PLAN
SCALE: 1" = 2'

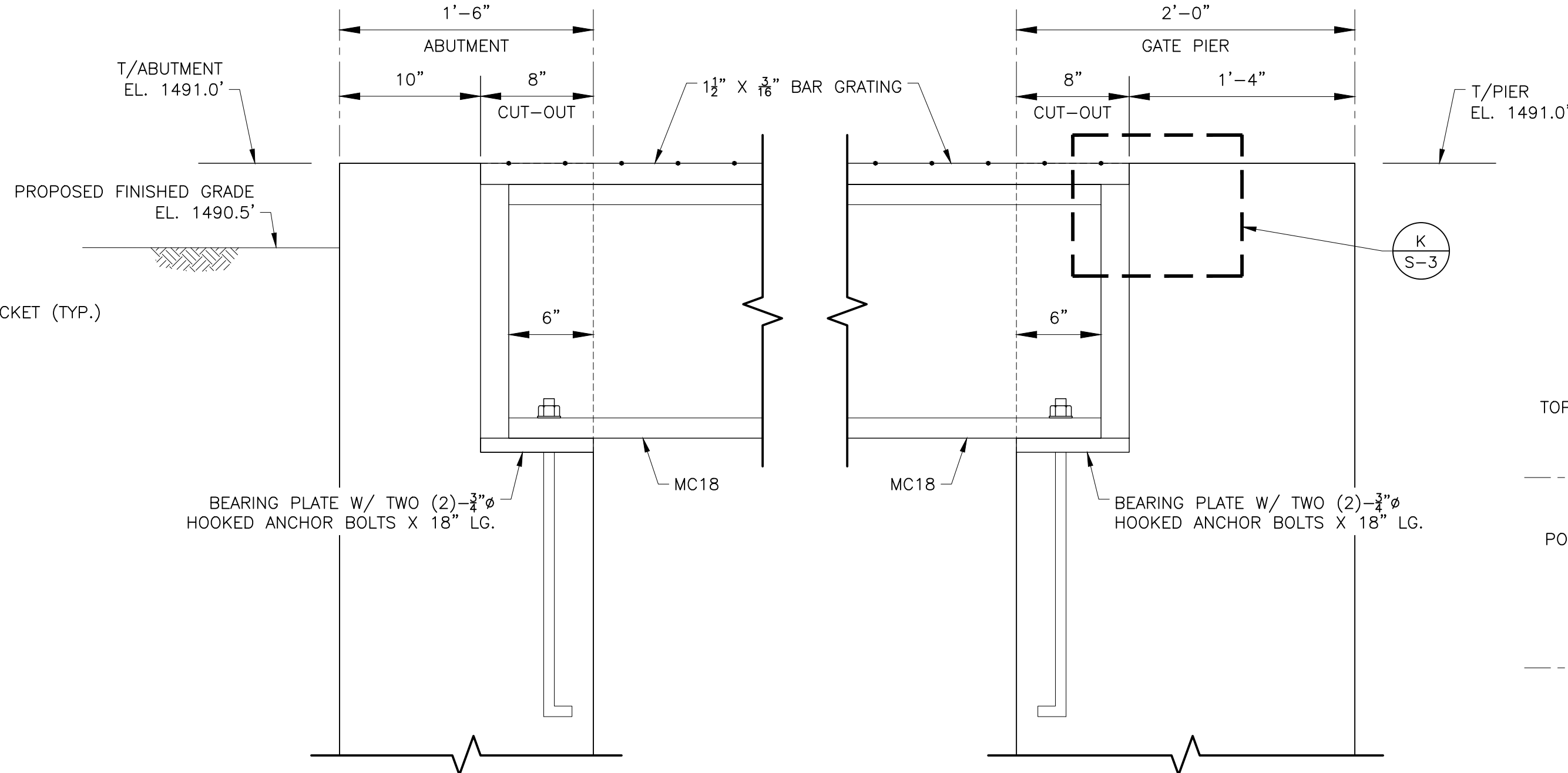


WALKWAY SECTION 1
SCALE: 1" = 8" S-3

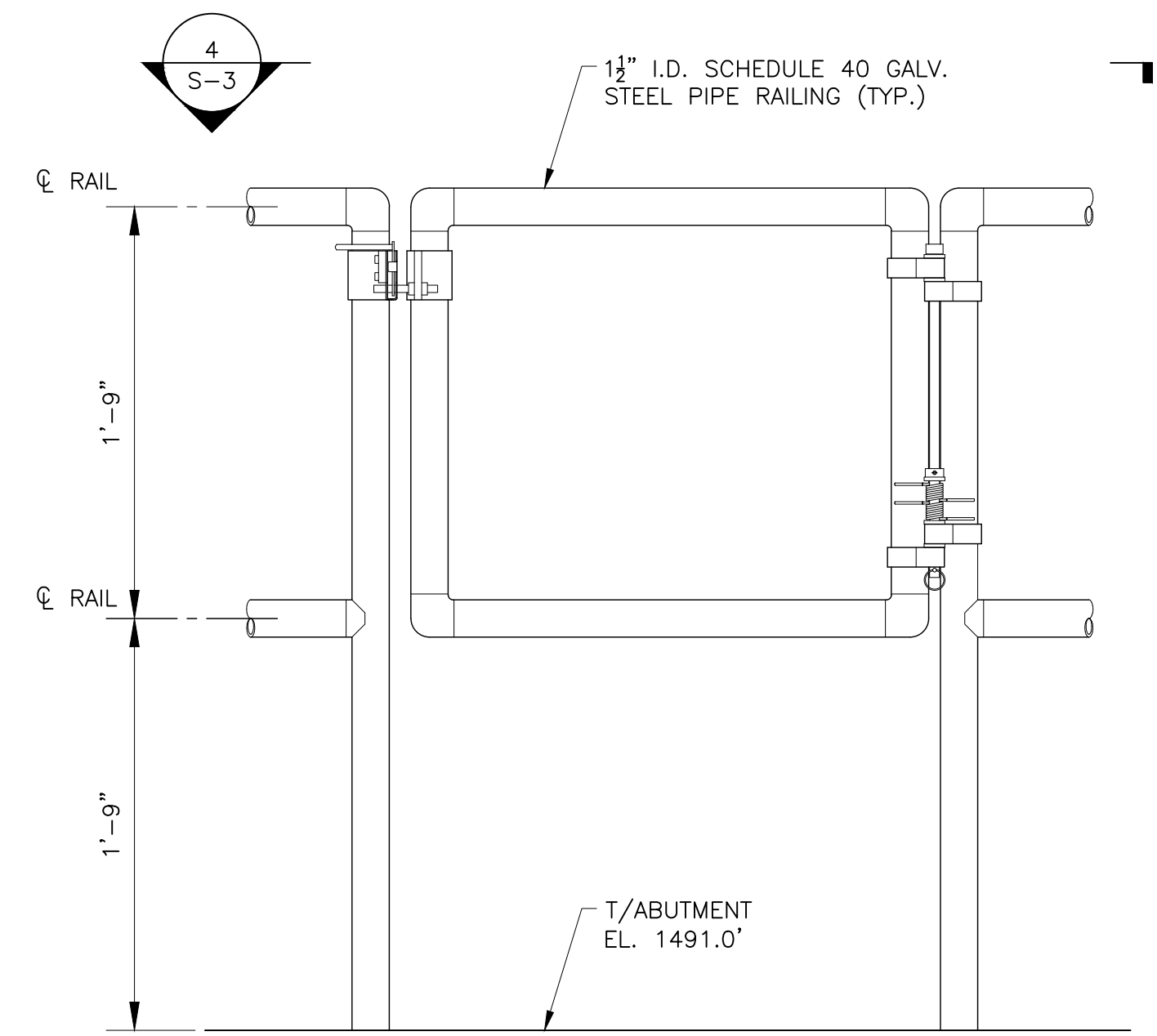


WALKWAY DETAIL K
SCALE: 1" = 2" S-3

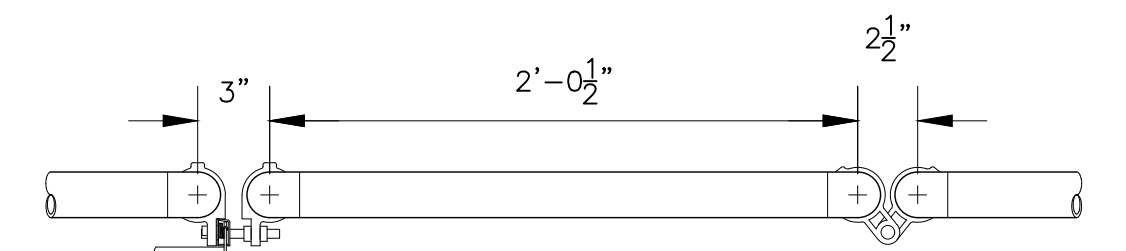
NOTE: PIER-SIDE SHOWN, ABUTMENT-SIDE SIMILAR



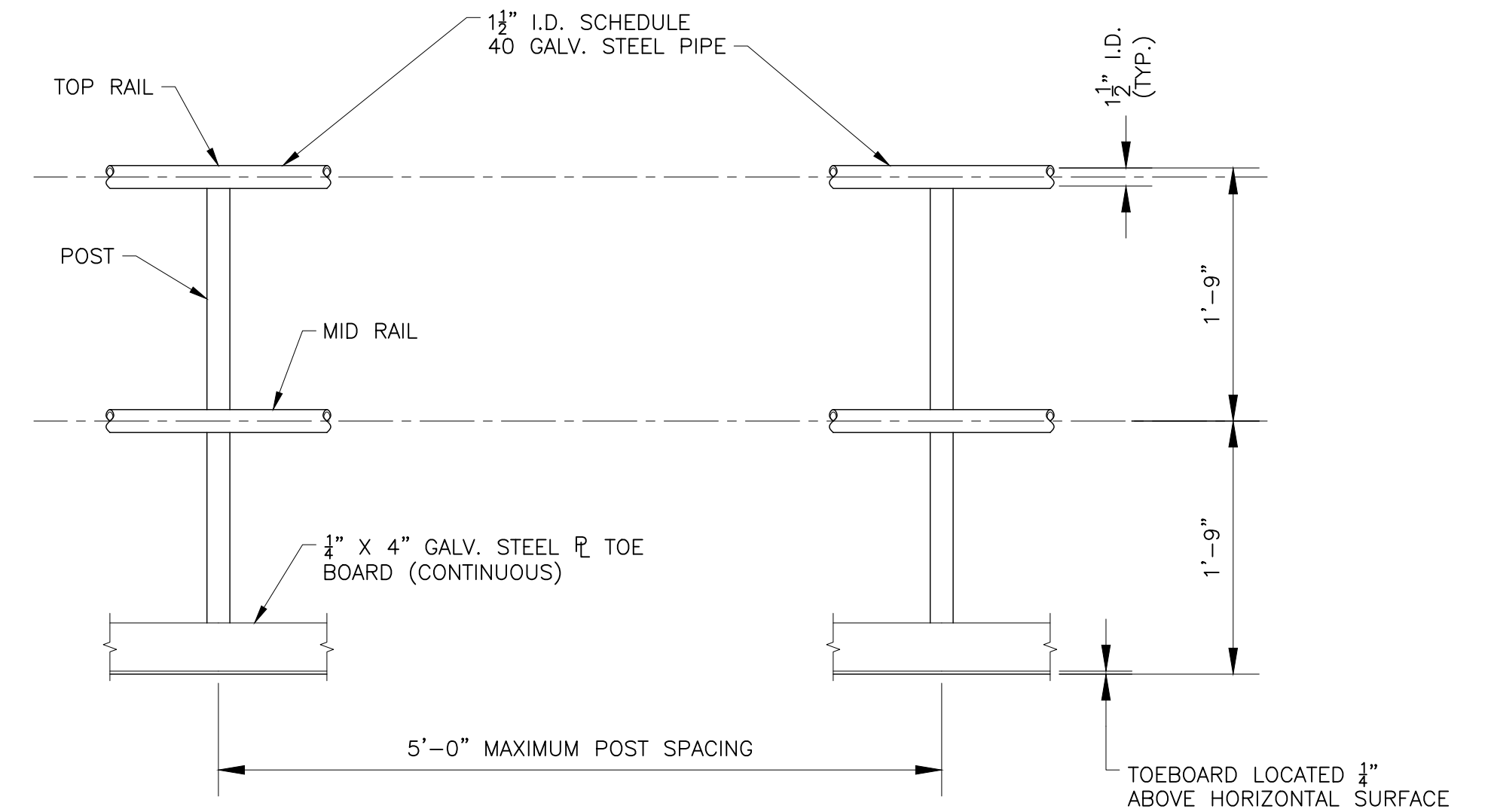
WALKWAY SECTION 2
SCALE: 1" = 8" S-3



ELEVATION - SECURITY GATE DETAIL H
SCALE: 1" = 8" S-3



SECURITY GATE SECTION 4
SCALE: 1" = 8" S-3



PIPE HANDRAIL DETAIL J
SCALE: 1" = 1' S-3

PIPE HANDRAIL NOTES:

- HANDRAILS, GUARDRAILS, POSTS, BRACKETS, AND MOUNTINGS SHALL MEET THE NEW YORK STATE BUILDING CODE AND THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS (OSHA) LOADING REQUIREMENTS.

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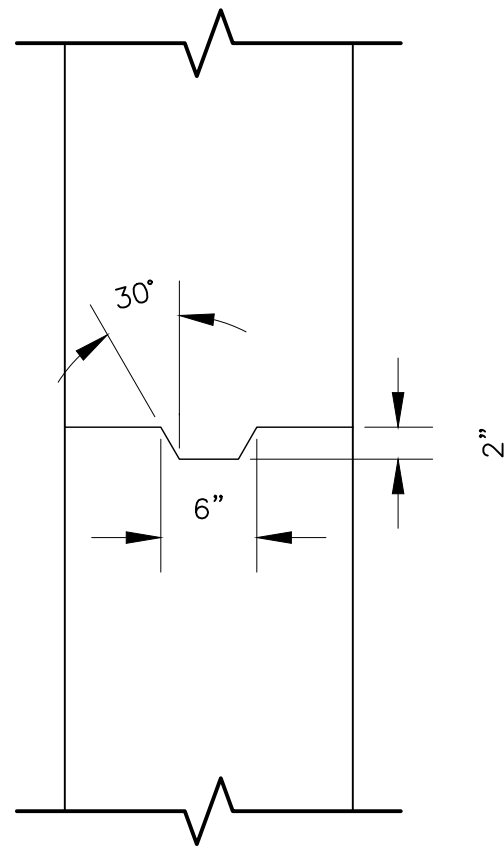
WALKWAY PLAN, SECTION, AND
DETAILS

DWG NO.:

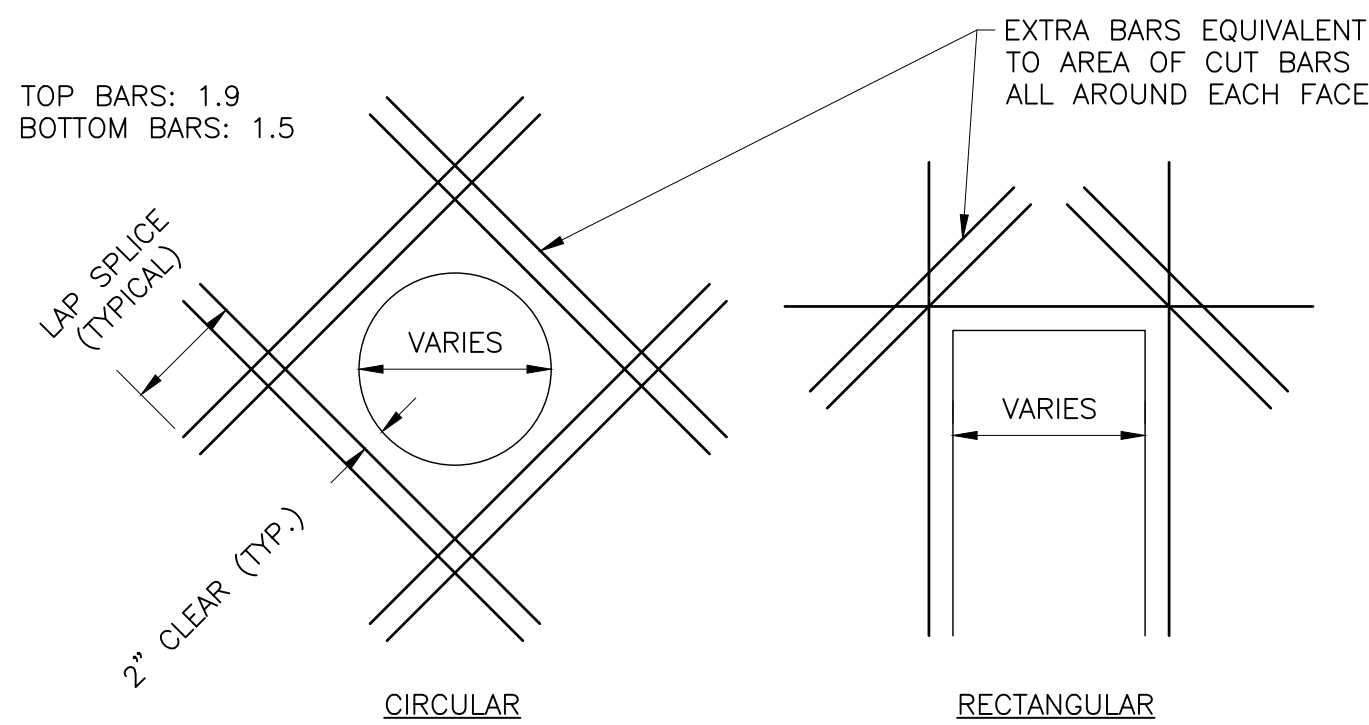
S-3

SCALE: AS NOTED ISSUE DATE: 4/27/2018

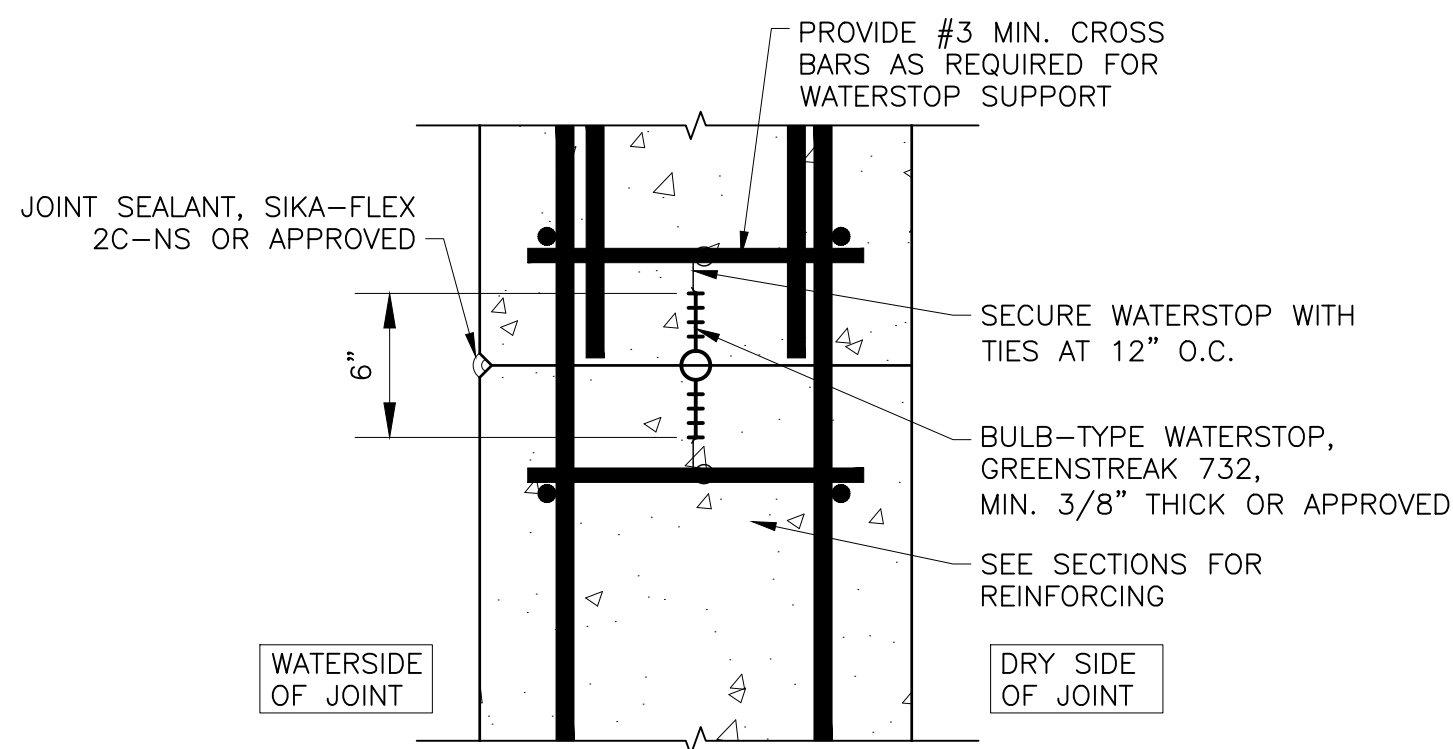
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TYPICAL SHEAR KEY DETAIL L
SCALE: 1" = 1' S-4

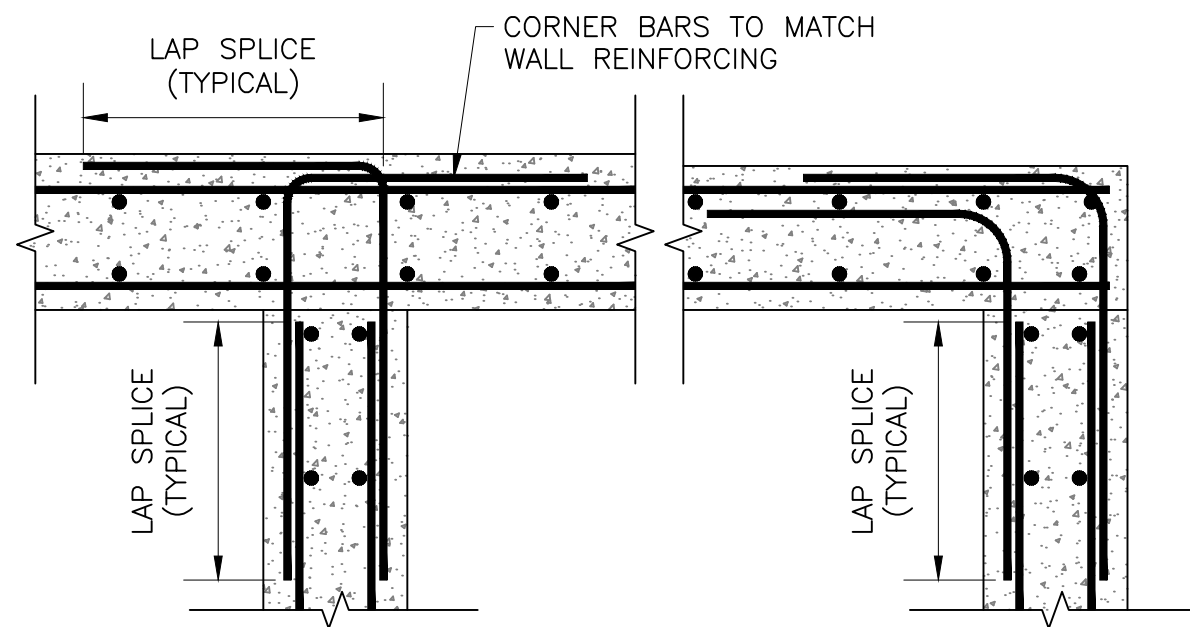


TYPICAL OPENING REINFORCEMENT DETAIL M
SCALE: NOT TO SCALE S-4



NOTE: DETAIL FOR THE INSTALLATION OF ONE (1) WATERSTOP IS SHOWN. ON WALLS GREATER THAN 24" THICK, PROVIDE TWO (2) WATERSTOPS. PLACE EACH WATERSTOP APPROXIMATELY 8" FROM THE OUTSIDE EDGE OF THE WALL ON BOTH FACES.

WATERSTOP DETAIL AT CONSTRUCTION JOINT O
SCALE: NOT TO SCALE S-4

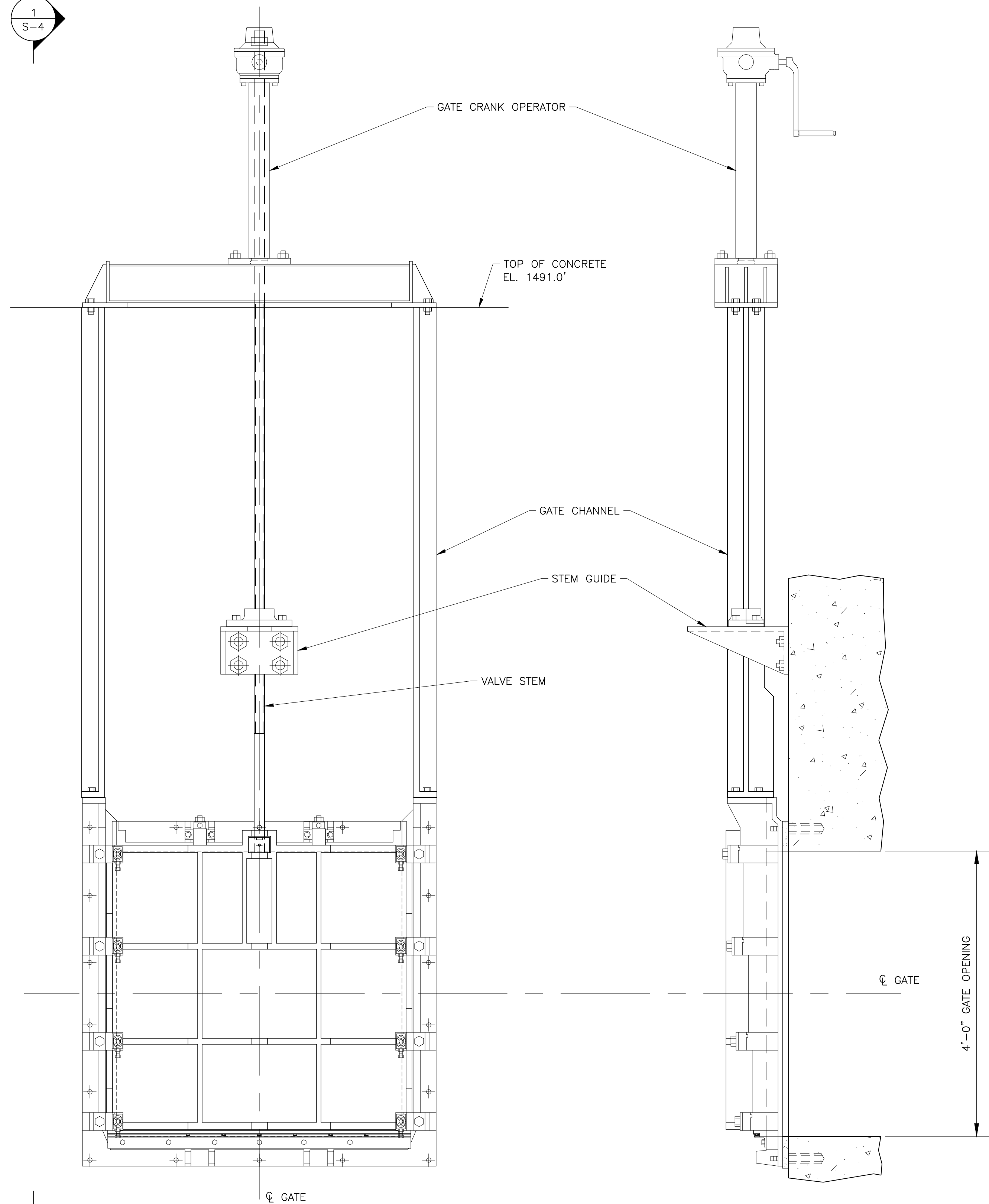
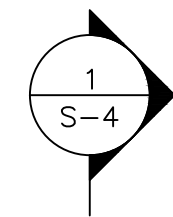


TYPICAL INTERSECTION REINFORCEMENT DETAIL N
SCALE: NOT TO SCALE S-4

BAR SIZE	CLASS A		CLASS B	
	BOTTOM BARS	TOP BARS	BOTTOM BARS	TOP BARS
3	23"	25"	29"	33"
4	29"	33"	38"	43"
5	36"	41"	47"	54"
6	44"	50"	57"	64"
7	63"	71"	81"	91"
8	71"	81"	93"	104"

LAP SPLICE NOTES:

- USE CLASS B SPLICES UNLESS OTHERWISE NOTED.
- FOR WALL AND SLAB TEMPERATURE AND SHRINKAGE REINFORCEMENT LAPS, USE CLASS A SPLICES UNLESS OTHERWISE NOTED.
- DEVELOPMENT LENGTHS SHOWN ABOVE ARE ONLY VALID WHEN THE FOLLOWING CONDITIONS ARE MET:
 - GRADE 60, EPOXY COATED, REBAR
 - NORMALWEIGHT CONCRETE WITH MIN $f'_c = 4,000$ PSI
 - CLEAR SPACING OF BARS NOT LESS THAN 2db
 - CLEAR COVER NOT LESS THAN db
- TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.



48" SQUARE GATE SECTION 2
SCALE: 1" = 1' C-7

48" SQUARE GATE SECTION 1
SCALE: 1" = 1' S-4

NOTE: GATE IS TO BE STANDARD MANUFACTURER PRODUCT. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL GATE SPECIFICATION INFORMATION.

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MISCELLANEOUS STRUCTURAL
DETAILS

DWG NO.:
S-4

SCALE: AS NOTED ISSUE DATE: 4/27/2018

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