

COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO

BENCH MARKS

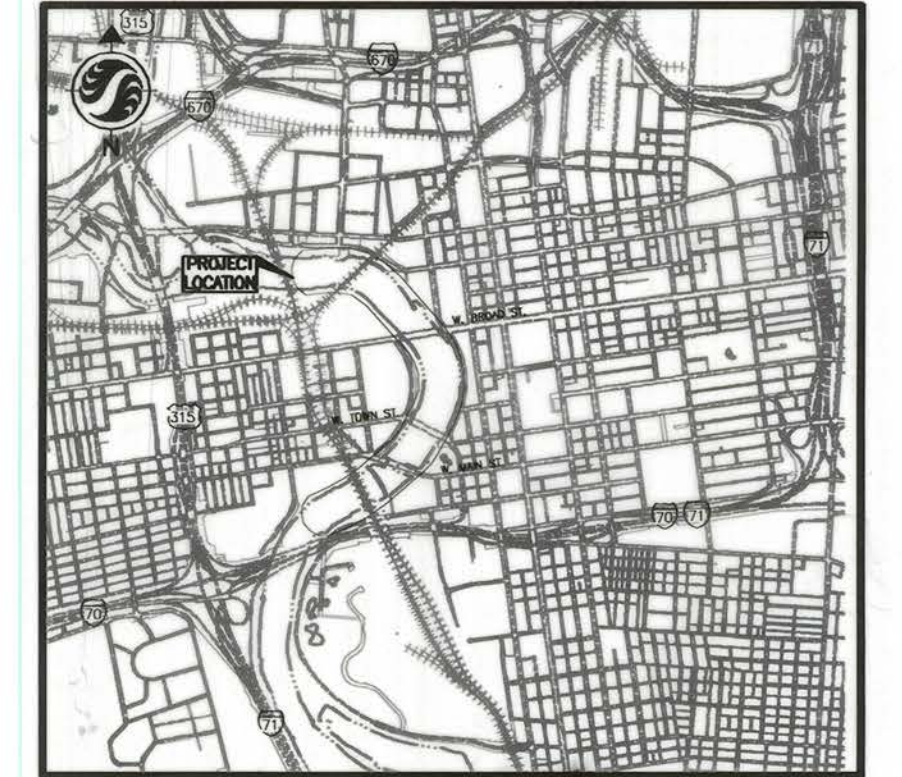
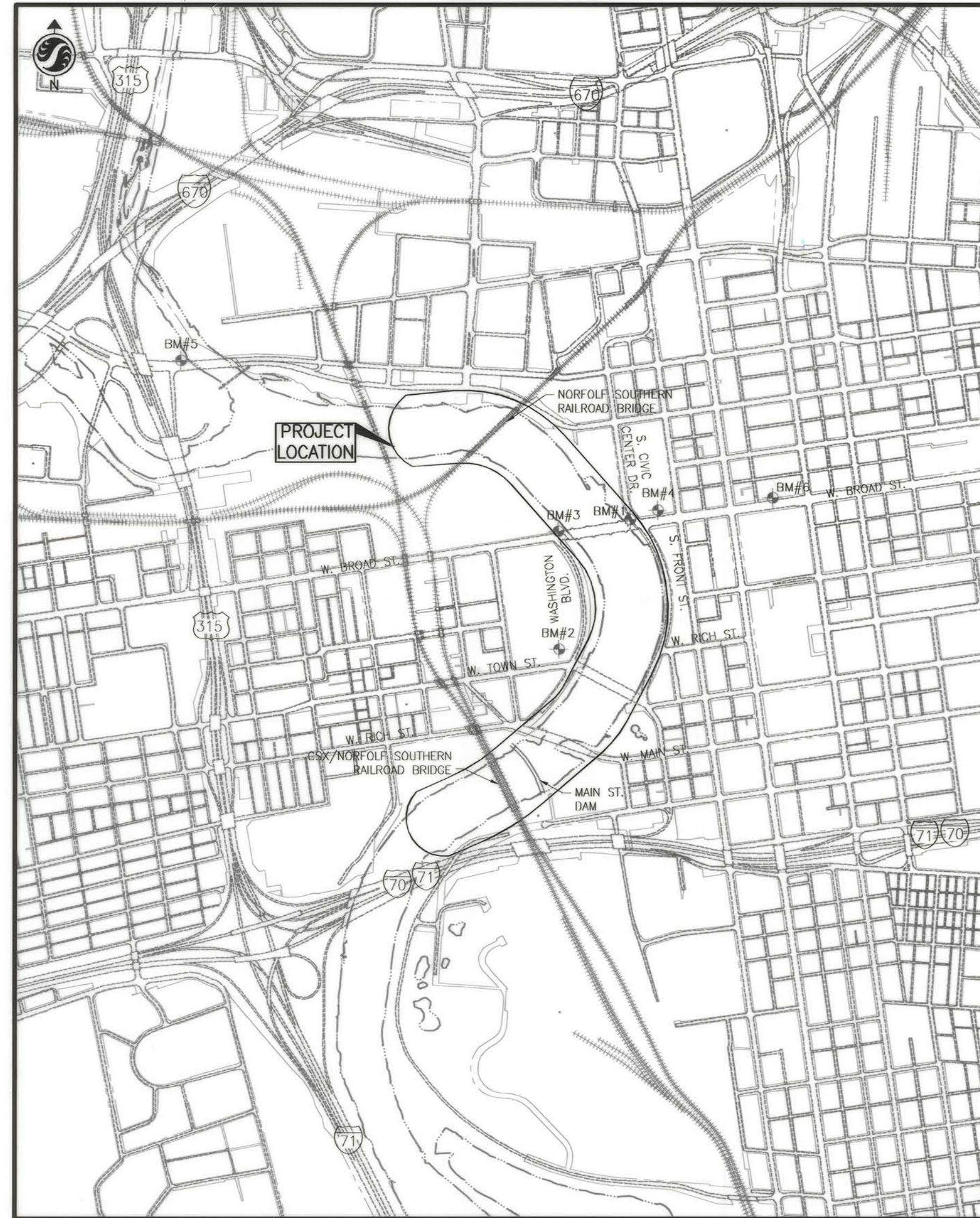
ALL BENCH MARKS SHOWN ARE BASED ON THE OHIO STATE PLANE, OHIO SOUTH ZONE (SPOS ZONE 3402) COORDINATE SYSTEM, REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) WITH THE NSRS 2007 ADJUSTMENT. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

VERTICAL SOURCE:

- BM #1** DESIGNATION: BROAD. ALUMINUM DISK SET IN THE NORTH END OF THE EAST ABUTMENT BACKWALL OF THE WEST BROAD STREET BRIDGE OVER THE SCIOTO RIVER, 15.7 FEET NORTH OF THE FACE OF THE NORTH CURB, 5 FEET SOUTHEAST OF A LARGE CONCRETE CIRCULAR PILLAR, 2 FEET NORTH OF A HANDRAIL.
ELEV. = 733.917
- BM #2** DESIGNATION: COSICOLUMBUS. 6 INCH BRASS DISK SET FLUSH WITH THE CARPET ON THE SECOND FLOOR OF THE NEW COSI BUILDING, THE FOCAL POINT OF THE SOUTHERN ELLIPSE, AREA IS KNOWN AS CITY VIEW. DISK IS LOCATED 45.48 FEET SOUTHEAST OF THE CENTER OF THE PENDULUM, 26.65 FEET SOUTH OF THE CENTER FACE OF AN ELEVATOR SHAFT, 7.80 FEET WEST OF THE WEST FACE OF AN ALUMINUM FRAME FOR THE NORTHERLY DOOR LEADING OUTSIDE.
ELEV. = 734.800
- BM #3** DESIGNATION: DISCOVERY. ALUMINUM DISK SET IN THE NORTH END OF THE WEST ABUTMENT BACKWALL OF THE WEST BROAD STREET BRIDGE OVER THE SCIOTO RIVER, AT THE INTERSECTION OF WEST BROAD STREET AND WASHINGTON BOULEVARD, 15.6 FEET NORTH OF THE FACE OF THE NORTH CURB, 6.6 FEET WEST OF A RAIL POST, 1 FOOT SOUTHWEST OF A LARGE CONCRETE CIRCULAR PILLAR, LEVEL WITH THE SIDEWALK.
ELEV. = 730.379
- BM #4** DESIGNATION: Q188RESET. BRASS DISK SET IN THE TOP OF THE GRANITE BASE OF THE COLUMBUS CITY HALL BUILDING AT THE NORTHWEST CORNER OF BROAD STREET AND FRONT STREET, ON THE EAST SIDE OF THE CITY HALL BUILDING, 40.5 FEET NORTH OF THE SOUTHEAST CORNER OF THE BUILDING, 1.5 FEET ABOVE THE SIDEWALK, 1 FOOT WEST OF THE EAST EDGE OF THE GRANITE BASE, STAMPED "Q188 RESET 1987".
ELEV. = 746.283

HORIZONTAL SOURCES:

- BM #5** DESIGNATION: COC15-83RESET. ALUMINUM PLUG SET IN CONCRETE ON THE NORTH SIDE OF SPRING STREET, 0.2 MILES WEST OF HOCKING STREET, 5.8 FEET NORTH OF THE NORTH EDGE OF THE NORTH CURB ON SPRING STREET, 72.5 FEET WEST OF THE NORTHWEST PARAPET WALL OF THE SPRING STREET BRIDGE OVER THE OLENTANGY RIVER, 12 FEET SOUTHWEST OF A LARGE STEEL ELECTRIC POLE, 1.1 FEET SOUTHWEST OF A WITNESS POST, 2.0 FEET BELOW THE GROUND, ACCESS THROUGH AN 8 INCH CLAY TILE WITH A CAST IRON LID.
N 716,525.150 E 1,822,840.693
ELEV. = 724.213
- BM #6** DESIGNATION: TOWERRESET. ALUMINUM DISK SET IN A DRILL HOLE IN THE SOUTHEAST CORNER OF THE CONCRETE ROOF OF THE STATE OFFICE TOWER AT 30 EAST BROAD STREET, 0.1 MILES EAST OF HIGH STREET, STATION LOCATED 4.35 FEET WEST FROM THE BASE OF THE EAST PARAPET WALL, 4.3 FEET NORTH FROM THE BASE OF THE SOUTH PARAPET WALL. STATION IS 189.5 FEET SOUTHEAST OF STATION "RHODES". MONUMENT WAS REPAIRED AND RESET IN 2000. ORIGINAL SET DATE WAS 1982.
N 715,204.190 E 1,828,565.050
ELEV. = 738.83



STANDARD DRAWINGS

THE FOLLOWING LISTED STANDARD DRAWINGS SHALL BE CONSIDERED A PART OF THESE PLANS:

- | | |
|---------|----------|
| AA-S102 | AA-S133B |
| AA-S104 | AA-S149 |
| AA-S106 | AA-S150 |
| AA-S107 | AA-S151 |
| AA-S112 | AA-S165 |
| AA-S114 | AA-S167 |
| AA-S117 | AA-S168 |
| AA-S119 | AA-S169 |

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NOTE:

TOPOGRAPHICAL AND CONTROL DATA PER FIELD SURVEY DATED 11/7/2012 PROVIDED BY RESOURCE INTERNATIONAL, INC.

WATER QUALITY BMP NOTE: LEVEL SPREADER, DETAIL 2/CS-105, IS A STORMWATER QUALITY BMP WHICH IS AN INTEGRAL PART OF THE PUBLIC STORM SEWER SYSTEM DEPICTED IN THESE DRAWINGS. RESPONSIBILITY AND ASSURANCE OF PERIODIC MAINTENANCE AND THE CONTINUOUS FUNCTIONALITY OF THIS STORMWATER QUALITY DEVICE IS PERPETUAL, BEGINNING WITH THE OWNER AT THE TIME OF INSTALLATION AND CONTINUING TO ALL FUTURE OWNERS OF SAID STORM SEWER SYSTEM. SEE SHEET CS-105 FOR POST-CONSTRUCTION INSPECTION AND MAINTENANCE REQUIREMENTS.

ENGINEERS SEAL FOR ENTIRE PLANS EXCEPT GEOTECHNICAL AND STRUCTURAL SIGNED: <i>Bryon F. Ringley</i> DATE: 09-19-2013	ENGINEERS SEAL FOR GEOTECHNICAL SIGNED: <i>Richard Lynn Williams</i> DATE: 09-20-2013	ENGINEERS SEAL FOR STRUCTURAL SIGNED: <i>Eric Emerson Reeves</i> DATE: 09-20-2013
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UNDERGROUND UTILITIES

Two Working Days
BEFORE YOU DIG

Call 800-362-2764 (Toll free)
OHIO UTILITIES PROTECTION SERVICE

NON-MEMBERS
MUST BE CALLED DIRECTLY

EASEMENT REFERENCE			REVISIONS		
CITY NO.	COUNTY RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE
	VOL. PAGE				

PREPARED BY:

Stantec Consulting Services Inc.
1500 Lake Shore Drive, Suite 100
Columbus, Ohio 43204
(614) 486-4383
(614) 486-4387

MKSK
LANDSCAPE ARCHITECTURE • URBAN PLANNING

APPROVALS: SIGNATURES BELOW SIGNIFY ONLY CONCURRENCE WITH THE GENERAL PURPOSE AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.

<i>John Ahlesse</i> SEWER SYSTEM ENGINEERING MANAGER, DIVISION OF SEWERAGE & DRAINAGE	10/2/13	<i>Thun Q. Davis</i> DIRECTOR, DEPARTMENT OF PUBLIC UTILITIES	10-7-2013
<i>Barbara Clemons</i> ADMINISTRATOR, DIVISION OF POWER & CONSTRUCTION	10-2-13	<i>Hassan Y. Zahra</i> CITY ENGINEER/ADMINISTRATOR, DIVISION OF DESIGN & CONSTRUCTION	10-2-13
<i>For H. Johnson</i> ADMINISTRATOR, DIVISION OF SEWERAGE & DRAINAGE	10-3-13	<i>Yacov Daves</i> DIRECTOR, DEPARTMENT OF PUBLIC SERVICE	10-2-13
<i>RC</i> ADMINISTRATOR, DIVISION OF WATER	9-24-13	<i>W/A</i> DIRECTOR, DEPARTMENT OF RECREATION & PARKS	

PROJECT TITLE:

COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION
SCIOTO GREENWAYS PROJECT
CITY OF COLUMBUS, OHIO

DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	CLD	CON. DR.
INDEX DETAIL	RECORD FILE		

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

SCALE: AS SHOWN	SHEET: GN-101
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

1. **SPECIFICATIONS:** THE 2012 EDITION OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMSC), INCLUDING ALL REVISIONS AND SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE PART OF THIS PLAN UNLESS OTHERWISE NOTED.

ANY MODIFICATION TO THE SPECIFICATIONS OR CHANGES TO THE WORK AS SHOWN ON THE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE ADMINISTRATOR OF THE DIVISION OF SEWERAGE AND DRAINAGE.

2. **ADDITIONAL COMPENSATION:** THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, SERVICES, AND RELATED ACCESSORIES FOR A COMPLETE PROJECT AS SHOWN AND DESCRIBED IN THE PLANS AND SPECIFICATIONS. THE PRICE FOR ITEMS OF WORK OR MATERIALS SHOWN ON THE PLANS OR PROVIDED FOR IN THE SPECIFICATIONS OR SPECIAL PROVISIONS FOR WHICH NO SEPARATE UNIT PRICE IS GIVEN SHALL BE BID AS PER PLANS AND THE COSTS DISTRIBUTED AMONG THE VARIOUS BID ITEMS. SUBMISSION OF A BID SHALL BE CONSIDERED EVIDENCE THAT THE BIDDER IS SATISFIED WITH THE PLANS AND CONDITIONS AS SHOWN. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR COMPLIANCE WITH THE PLANS, SPECIFICATIONS, OR SPECIAL PROVISIONS.

3. **NOTIFICATION:** THE CONTRACTOR SHALL NOTIFY THE FOLLOWING DIVISIONS AT LEAST 48 HOURS IN ADVANCE OF THE ANTICIPATED START OF CONSTRUCTION, HOLIDAYS AND WEEKENDS EXCLUDED. WORK SHALL NOT COMMENCE UNTIL A PRE-CONSTRUCTION CONFERENCE IS HELD.

DIVISION OF SEWERAGE AND DRAINAGE	(614) 645-7102
DIVISION OF WATER	(614) 645-7788
DIVISION OF POWER	(614) 645-7627
DIVISION OF FIRE	(614) 221-3132
DIVISION OF POLICE	(614) 645-6676
DIVISION OF PLANNING AND OPERATIONS	(614) 645-7738
DIVISION OF INSPECTION SERVICES	(614) 645-0433

THE CONTRACTOR SHALL NOTIFY, IN WRITING, ALL ADJACENT LANDOWNERS A MINIMUM OF ONE WEEK IN ADVANCE OF WORK NEAR THEIR PROPERTY. THE CONTRACTOR SHALL CONTACT THE DIVISION OF SEWERAGE AND DRAINAGE FOR A SUGGESTED FORMAT FOR THE NOTICE.

4. **PERMITS:** THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND LICENSES NEEDED FOR CONSTRUCTION OF THIS PROJECT AS REQUIRED UNDER CMSC 107.02. WHEN EXCAVATING WITHIN THE PUBLIC RIGHT-OF-WAY LIMITS INSIDE THE CITY OF COLUMBUS, THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE DIVISION OF PLANNING AND OPERATIONS PERMIT OFFICE BY CALLING 645-3039 DURING THE HOURS OF 8:00 A.M. TO 4:00 P.M., MONDAY - FRIDAY.

5. **NON-RUBBER TIRE VEHICLES:** NO NON-RUBBER TIRE VEHICLES SHALL BE MOVED ON PUBLIC STREETS OR ROADS. THE DPS DESIGN AND CONSTRUCTION DIVISION MAY GRANT EXCEPTIONS WHERE SHORT DISTANCES AND SPECIAL CIRCUMSTANCES ARE INVOLVED. GRANTING OF EXCEPTIONS MUST BE IN WRITING AND ANY RESULTING DAMAGE MUST BE REPAIRED TO THE SATISFACTION OF THE APPROPRIATE JURISDICTION.

6. **SAFETY:** THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS. TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY, IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.

7. **ELEVATION DATUM:** ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON THE NAVD88 DATUM.

8. **BENCHMARKS:** THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, PROPERTY CORNERS, REFERENCE POINTS, AND STAKES. ANY BENCHMARK, PROPERTY CORNER, OR SURVEY MARKER DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESET BY AN OHIO REGISTERED SURVEYOR AT THE CONTRACTOR'S EXPENSE.

9. **RIGHT-OF-WAY:** IN ADDITION TO THE DIRECT REQUIREMENTS OF THE CONTRACT SPECIFICATIONS, THE CONTRACTOR SHALL OBSERVE AND CONFORM TO THE SPECIFIC REQUIREMENTS OF ALL RIGHTS-OF-WAY INCLUDING EASEMENTS, COURT ENTRIES, AND RIGHTS OF ENTRY OR ACTION FILED IN COURT IN ACCORDANCE WITH THE CODE OF THE APPLICABLE GOVERNING AGENCY. THE COST OF THE OPERATIONS NECESSARY TO FULFILL SUCH REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS OF THE CONTRACT. UNLESS SPECIFIC PROVISION IS MADE IN THE CONTRACT SPECIFICATIONS FOR SUCH COST UNDER SPECIFIC ITEMS OF THE CONTRACT.

10. **UTILITIES:** THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC. THE UTILITY LOCATIONS INDICATED ARE NOT NECESSARILY COMPLETE OR CORRECT. THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES SHOWN.

FAX ALL LOCATION REQUESTS (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.

NON-OUPS MEMBERS:
CITY OF COLUMBUS
DIVISION OF PLANNING & OPERATIONS
TRAFFIC MAINTENANCE
1820 17TH AVENUE
COLUMBUS, OHIO 43219
P: 614-645-7393
F: 614-645-5967

CITY OF COLUMBUS
DEPARTMENT OF TECHNOLOGY
90 WEST BROAD STREET
COLUMBUS, OHIO 43215
P: 614-645-1501
F: 614-645-6627

CITY OF COLUMBUS
DIVISION OF SUPPORT SERVICES - COMMUNICATIONS
4211 GROVES ROAD
COLUMBUS, OHIO 43232
P: 614-724-7047
F: 614-645-6588

OUPS MEMBERS:
AMERICAN ELECTRIC POWER
700 MORRISON ROAD
GAHANNA, OHIO 43230
P: 614-716-1000

COLUMBIA GAS OF OHIO
1600 DUBLIN ROAD
COLUMBUS, OHIO 43215
P: 614-481-1063

11. **GRADE CHANGES:** IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING SEWER, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN SEWER SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED SEWER WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED SEWER WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED SEWER WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

GRADES AND ELEVATIONS SHOWN ON THE PLANS SHALL NOT BE REVISED UNDER ANY CIRCUMSTANCES WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE ENGINEER. INVERT ELEVATIONS SHALL NOT DEVIATE FROM PLAN ELEVATION BY MORE THAN 0.05 FOOT. FAILING TO MEET THE ABOVE REQUIREMENTS IS CAUSE FOR REJECTION OF THE AFFECTED SECTION OF SEWER.

12. **FOR THE DIVISION OF WATER:** IT SHALL BE UNLAWFUL FOR ANY PERSON TO PERFORM ANY WORK ON CITY OF COLUMBUS WATER LINE SYSTEMS WITHOUT FIRST SECURING LICENSE TO ENGAGE IN SUCH WORK, AS INDICATED IN COLUMBUS CITY CODE SECTION 1103.02 AND 1103.06. THIS WORK INCLUDES ANY ATTACHMENTS, ADDITIONS TO OR ALTERATIONS IN ANY CITY SERVICE PIPE OR APPURTENANCES (INCLUDING WATER SERVICE LINES AND TAPS). THIS REQUIREMENT MAY BE MET BY UTILIZATION OF A SUBCONTRACTOR WHO HOLDS A CITY OF COLUMBUS WATER CONTRACTOR LICENSE OR A COMBINED WATER/SEWER CONTRACTOR LICENSE TO PERFORM THIS WORK. UTILIZATION OF A SUBCONTRACTOR MUST MEET THE LICENSING REQUIREMENTS OF CITY OF COLUMBUS BUILDING CODE, IN PARTICULAR SECTION 4114.119 AND 4114.529.

NO TWO (2) ADJACENT FIRE HYDRANTS SHALL BE TAKEN OUT OF SERVICE CONCURRENTLY.

THE CONTRACTOR SHALL NOTIFY THE DIVISION OF FIRE ALARM OFFICE, 221-3132, WHENEVER FIRE HYDRANTS ARE TAKEN OUT OF SERVICE AND PLACED BACK IN SERVICE.

13. **FIRE HYDRANT PERMIT:** THE CONTRACTOR MUST OBTAIN FROM THE DIVISION OF WATER A FIRE HYDRANT PERMIT PRIOR TO CONNECTION OF WATER SUPPLY LINES TO ANY FIRE HYDRANT. THE CONTRACTOR SHALL PROVIDE THE NECESSARY GATE VALVES, BACKFLOW PREVENTERS, AND FLOW METER FOR EACH HYDRANT LOCATION. ALL EQUIPMENT, FITTINGS AND VALVES SHALL BE IN ACCORDANCE WITH DIVISION OF POWER AND WATER STANDARDS. THE CONTRACTOR SHALL PAY FOR WATER AT THE CURRENT CITY RATES. CONNECTED HOSES SHALL NOT BE LEFT UNATTENDED.

14. **TRENCHING:** ANY EXCAVATION PERFORMED BEYOND THE MINIMUM TRENCH WIDTH, AS DEFINED ON DIVISION OF SEWERAGE AND DRAINAGE STANDARD CONSTRUCTION DRAWINGS AA-S149, AA-S151, AND AA-S152 DUE TO SITE CONDITIONS OR THE CONTRACTOR'S METHODS ARE DONE SO SOLELY AT THE CONTRACTOR'S EXPENSE. NO EXTRA PAYMENT WILL BE MADE FOR UNAUTHORIZED EXCAVATION. BLASTING IS NOT PERMITTED.

15. **DEWATERING:** SHOULD WATER BE ENCOUNTERED, THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL DEWATERING OPERATIONS AS REQUIRED TO ACCOMPLISH THE PROPOSED CONSTRUCTION OPERATIONS, PER CMSC ITEM 901.06. THE TRENCH SHALL BE SUFFICIENTLY DEWATERED SO THAT THE PLACEMENT OF BEDDING AND LAYING AND JOINING OF THE PIPE OR STRUCTURES IS MADE ON FIRM, DRY GROUND. THE CONTRACTOR SHALL BE RESPONSIBLE TO PLACE AND MAINTAIN THE NECESSARY SEDIMENT CONTROL MEASURES TO FILTER THE DEWATERING DISCHARGE. DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS; THE CONTRACTOR WILL BE HELD LIABLE FOR THE VIOLATION AND SUBSEQUENT FINES. THE COST OF ALL DEWATERING WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CMSC ITEM 901.

16. **TRENCH BACKFILL:** TRENCH BACKFILL SHALL BE PER CMSC ITEM 901.17. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR TRENCHES REQUIRING CMSC ITEM 911, COMPACTED BACKFILL. THE COST FOR BACKFILLING TRENCHES WITH CMSC ITEM 912, COMPACTED GRANULAR MATERIAL SHALL BE PAID FOR UNDER THE APPLICABLE "ITEM 901 - XX" PIPE, WITH TYPE I BEDDING, INCLUDING ITEM 912 BACKFILL", NO SEPARATE PAYMENT SHALL BE MADE FOR ITEM 912, COMPACTED GRANULAR MATERIAL.

AT ALL POINTS OF CROSSING WATER MAINS OR OTHER SEWERS, THE BACKFILL SHALL BE OF GRANULAR MATERIAL BETWEEN THE DEEPER AND SHALLOWER PIPES.

ALL TRENCHES WITHIN THE ROAD RIGHT-OF-WAY SHALL BE BACKFILLED OR SECURELY PLATED DURING NON-WORKING HOURS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONDITION OF THE TRENCHES FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL INSPECTION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CMSC ITEM 901.

17. **STORMWATER FACILITIES:** BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE OWNER, THE ENGINEER AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. THE ENGINEER SHALL KEEP RECORDS OF THE INSPECTION IN WRITING.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED OR RECONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE OWNER.

ALL EXISTING MANHOLES, CATCH BASINS, DRAINS, SEWERS, AND APPURTENANCES INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR SHALL CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS TO THE SATISFACTION OF THE ENGINEER. THE ABOVE IS NOT APPLICABLE FOR STRUCTURES TO BE ABANDONED. THE CONTRACTOR SHALL REMOVE DEBRIS, SILT, ETC. FROM THE EXISTING MANHOLES AND CATCH BASINS THAT HAVE BEEN AFFECTED BY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL MAINTAIN SERVICE IN EXISTING SEWERS DURING CONSTRUCTION.

18. **EXISTING DRAINAGE SYSTEMS:** EXISTING DRAINAGE SYSTEMS (FIELD TILES, ROOF DRAIN OUTLETS, SUMP PUMPS, ETC.) ENCOUNTERED DURING CONSTRUCTION OF THE NEW SEWER SHALL BE EXTENDED AS NECESSARY AND BLIND TAPPED TO THE NEW SEWER PER DIVISION OF SEWERAGE AND DRAINAGE STANDARD DRAWING AA-S159 OR CONNECTED TO THE NEAREST STRUCTURE AS DIRECTED BY THE ENGINEER. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CMSC ITEM 901.

IF THE CONTRACTOR ENCOUNTERS A PIPE OR CONNECTION TO THE STORM SEWER THAT IN THE ESTIMATE OF THE ENGINEER MAY BE AN ILLEGAL CONNECTION FROM AN ON-SITE SEWAGE DISPOSAL SYSTEM, COLUMBUS PUBLIC HEALTH SHALL BE CONTACTED AT 645-6448 TO DETERMINE WHETHER THE PIPE MAY BE RECONNECTED TO THE CITY'S STORM SEWER SYSTEM.

19. **CERTIFICATION OF PIPE AND STRUCTURES:** ALL CONCRETE PIPE, STORM AND SANITARY STRUCTURES WILL BE STAMPED OR HAVE SUCH IDENTIFICATION NOTING THAT SAID PIPE, STORM AND SANITARY STRUCTURES HAVE BEEN INSPECTED BY THE DESIGNATED REPRESENTATIVE OF THE CITY OF COLUMBUS AND MEETS THEIR SPECIFICATIONS. PIPE AND STRUCTURES WITHOUT PROPER IDENTIFICATION WILL NOT BE PERMITTED FOR INSTALLATION.

20. **MANHOLE STEPS:** MANHOLE STEPS SHALL BE REINFORCED POLYPROPYLENE PLASTIC PER DOSD STD. CONSTRUCTION DRAWING AA-S119. PAYMENT FOR MANHOLE STEPS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CMSC ITEM 604, MANHOLE.

21. **STORM STRUCTURE ADJUSTMENT:** THE CONTRACTOR SHALL FIELD VERIFY THE TOP OF CASTING ELEVATION OF ALL NEW STORMWATER STRUCTURES. IF PRECAST STRUCTURES ARE UTILIZED, THE TOP 6 INCHES MINIMUM SHALL BE FIELD PLACED EITHER WITH GRADE RINGS OR BRICK AND MORTAR TO ALLOW FOR FIELD ADJUSTMENT. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPLICABLE CMSC ITEM 604.

IF THE ENGINEER DETERMINES THAT AN INLET IS TOO LOW/HIGH AFTER IT HAS BEEN PLACED AND ROUGH GRADING PERFORMED, THE CONTRACTOR SHALL ADJUST THE INLET AS DIRECTED BY THE ENGINEER AND REGRADE THE AREA ACCORDINGLY. FOR ADJUSTMENTS OF +/- 6 INCHES, THE COST TO ADJUST THE INLET SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPLICABLE CMSC ITEM 604. FOR ADJUSTMENTS GREATER THAN +/- 6 INCHES, THE COST TO ADJUST THE INLET SHALL BE PAID FOR IN THE UNIT PRICE BID FOR CMSC ITEM SPECIAL - INLET ADJUSTED, AS DIRECTED BY ENGINEER, AND SHALL CONSTITUTE FULL PAYMENT FOR ADJUSTING THE INLET INCLUDING GRADE RINGS, CONCRETE SAWING, MORTAR, EXCAVATION, BACKFILL, REGRADE, ETC.

22. **END TREATMENT:** IMMEDIATELY AFTER PLACEMENT OF ANY CONDUITS, THE CONTRACTOR SHALL CONSTRUCT THE END TREATMENTS REQUIRED BY THE PLANS AT BOTH THE OUTLET AND INLET ENDS. THIS SHALL INCLUDE HEADWALLS, CONCRETE, RIPRAP, ROCK CHANNEL PROTECTION, SODDING, ETC.

23. **CITY OF COLUMBUS PARK PROPERTY:** THE CONTRACTOR SHALL CONTACT THE CITY FORESTER OF THE RECREATION AND PARKS DEPARTMENT (PHONE: (614) 645-3350) 24 HOURS PRIOR TO ANY CONSTRUCTION IN OR NEAR CITY OF COLUMBUS PARK PROPERTY.

24. **TREE PRESERVATION:** ALL TREES, WHETHER SHOWN OR NOT SHOWN ON THE PLANS, ARE TO BE PRESERVED UNLESS APPROVAL TO REMOVE IS GIVEN IN WRITING BY THE CITY FORESTER OR THEIR REMOVAL HAS BEEN DESIGNATED ON THE PLAN. TREES REMOVED BY EITHER OF THE TWO PRECEDING AUTHORITIES SHALL BE PAID FOR UNDER CMSC ITEM 201, CLEARING AND GRUBBING, UNLESS OTHERWISE PROVIDED FOR BY UNIT PRICE BID UNDER ITEM 201, TREE REMOVED, XX" SIZE. THE CONTRACTOR SHALL USE SPECIAL PRECAUTIONS TO AVOID DAMAGE TO ALL OTHER TREES. ALL TREES REMOVED SHALL INCLUDE STUMP REMOVAL TO 6 INCHES BELOW GRADE. ALL WOOD OVER 4-INCH DIAMETER SHALL, AT THE PROPERTY OWNER'S DISCRETION, BE CUT INTO LENGTHS NOT EXCEEDING 16 INCHES AND STACKED ON THE OWNER'S PROPERTY ADJACENT TO THE PERMANENT EASEMENT. THE COST FOR TREE, BRUSH, AND STUMP REMOVAL SHALL BE INCLUDED IN THE PRICE BID FOR CMSC ITEM 201, CLEARING AND GRUBBING. THE CONTRACTOR IS TO WORK WITH STAFF FROM THE DIVISION OF PARKS AND RECREATION (614-645-6640) ON ALL TREE REMOVALS.

PRUNING: BRANCHES OR GROWTH THAT INTERFERES WITH THE FREE CONSTRUCTION OF THE PROJECT MAY BE REMOVED FROM TREES/BUSHES THAT ARE TO BE SAVED BY THE USE OF PRUNING TOOLS WITH PRIOR APPROVAL FROM THE CITY FORESTER. ALL PRUNING TOOLS USED AND METHODS EMPLOYED SHALL MEET THE APPROVAL OF THE CITY FORESTER. THE COST OF ALL WORK AND EXPENSES CONNECTED WITH TREE PRUNING SHALL BE INCLUDED IN THE PRICE BID FOR CMSC ITEM 201, CLEARING AND GRUBBING. NO EXTRA PAYMENT SHALL BE MADE.

TREES DAMAGED OR DESTROYED THAT WERE NOT DESIGNATED FOR REMOVAL OR APPROVED BY THE CITY FORESTER FOR REMOVAL SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. IF SUITABLE REPLACEMENT CANNOT BE DETERMINED, COMPENSATION BY THE CONTRACTOR FOR UNAUTHORIZED TREE REMOVAL SHALL INCLUDE SUFFICIENT ADDITIONAL LANDSCAPING AS DETERMINED BY RECREATION AND PARKS AND THE CITY FORESTER.

PROTECTION DURING CONSTRUCTION: PUBLIC TREES WILL BE PROTECTED AGAINST INJURY OR DAMAGE TO BRANCHES, TRUNKS OR ROOTS FROM CONSTRUCTION AND EXCAVATION. CITY OF COLUMBUS FORESTRY SECTION CAN BE CONTACTED @ 614-645-6640.

- A. ALL TREE PRUNING AND REMOVAL MUST BE DONE IN ACCORDANCE TO ANSI A300 AND ANSI Z133.1 STANDARDS. THE CONTRACTOR PERFORMING THE WORK MUST BE A PROFESSIONAL TREE CARE COMPANY WITH A CERTIFIED ARBORIST ON STAFF AND AVAILABLE TO DIRECT THE ON-SITE CREW.
- B. HEAVY EQUIPMENT WILL NOT BE ALLOWED TO COMPACT THE SOIL OVER THE ROOT ZONE OF EXISTING TREES. RESTRICTED EQUIPMENT ACCESS ROUTES WILL BE ESTABLISHED BEFORE WORK IS BEGUN. TEMPORARY PAVING MATERIALS SUCH AS PLYWOOD, LUMBER OR RUBBER MATTING SPREAD OVER THE ROOT ZONE MAY BE REQUIRED TO PREVENT COMPACTION.
- C. INSTALLATION OF UTILITIES UNDER THE DRIPLINE OF EXISTING TREES MUST BE DIRECTIONALLY BORED OR DRILLED BELOW THE ROOT ZONE. TOP OF THE BORE OR TUNNEL SHOULD BE NO HIGHER THAN 3 FEET DEEP. OPEN TRENCHES WITHIN THE ROOT ZONE MUST BE AVOIDED.
- D. WHERE GRADE CHANGE IS REQUIRED WITHIN THE ROOT ZONE OF PUBLIC TREES, A SUFFICIENT RESIDUAL ROOT ZONE TO PROVIDE FOR THE GOOD HEALTH OF THE TREES SHOULD REMAIN UNDISTURBED AND PROTECTED BY EITHER A DRY WELL OR RETAINING WALL IF THE GRADE IS TO BE RAISED OR LOWERED.
- E. CONSTRUCTION MATERIALS, EXCAVATION DEBRIS, CHEMICALS, FUEL, EQUIPMENT OR VEHICLES ARE NOT TO BE STOCKPILED, STORED, DUMPED OR PARKED WITHIN THE DRIPLINE OF PUBLIC TREES.
- F. FIRES ARE NOT PERMITTED WITHIN THE DRIPLINE OF ANY TREES.
- G. ALL EXISTING TREES DESIGNATED FOR PRESERVATION WILL BE PROTECTED WITH A GOOD, SUBSTANTIAL FENCE, FRAME OR BOX NOT LESS THAN FOUR FEET HIGH AND AS FAR FROM THE TREE AS POSSIBLE. DRIPLINE IS PREFERABLE, HOWEVER, ACTUAL LOCATION WILL BE DETERMINED BY SITE LIMITATIONS.
- H. FENCING WILL BE INSTALLED BEFORE COMMENCING SITE PREPARATION WORK. FENCE MUST BE MAINTAINED DURING THE FULL CONSTRUCTION PERIOD.
- I. INTERFERING BRANCHES OF TREES MAY BE REMOVED WHEN ACCEPTABLE TO THE CITY FORESTER AND SHALL BE PRUNED IN ACCORDANCE WITH THESE STANDARDS.
- J. ANY TREES DAMAGED OR DESTROYED DUE TO CONTRACTOR NEGLIGENCE WILL BE TREATED OR REMOVED AT THE CONTRACTOR'S EXPENSE. IF DAMAGED BEYOND REPAIR, THE CITY WILL REQUIRE REIMBURSEMENT FOR THE VALUE OF THE TREE AS DETERMINED BY THE CURRENT EDITION OF THE 'GUIDE FOR PLANT APPRAISAL' PUBLISHED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE.

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EASEMENT REFERENCE			GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE
CITY NO.	COUNTY RECORDER	PAGE				
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REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PREPARED BY:



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Columbus, Ohio 43204
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(614) 486-4387



GENERAL NOTES

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
CONTRACTOR			
INSPECTOR			
AGREEMENT	COMPLETED		
RFD	CKD	GLD	CON. DR.
INDEX DETAIL	RECORD FILE		

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: NONE	SHEET: GN-102
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

25. **DUST CONTROL:** THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING DUST CONTROL MEASURES IN ACCORDANCE WITH CMSC ITEM 616. DUST CONTROL OPERATIONS SHALL BE PERFORMED ON A PERIODIC BASIS AND/OR AS DIRECTED BY THE OWNER TO ALLEVIATE OR PREVENT THE DUST NUISANCE ORIGINATING WITH THE PROJECT WORK LIMITS. CALCIUM CHLORIDE ON AREAS TO BE SEEDED AND MULCHED WILL NOT BE PERMITTED. THE COST FOR ALL DUST CONTROL MEASURES SHALL BE INCLUDED IN THE PRICE BID FOR CMSC ITEM 624.

26. **TEMPORARY SOIL EROSION AND SEDIMENT CONTROL:** EROSION AND SEDIMENT CONTROL MEASURES ARE REQUIRED AS A PART OF THIS PROJECT. THE EROSION AND SEDIMENTATION CONTROL REFLECTS A SCHEMATIC DIAGRAM OF THE INTENDED MEASURES FOR COMPLIANCE WITH THE REQUIRED STANDARDS. GENERAL PRACTICE AND/OR SITE FIELD CONDITIONS MAY WARRANT VARIATION IN THE PLACEMENT OR USE OF THE SPECIFIED CONTROLS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING NECESSARY AND ADEQUATE MEASURES FOR PROPER CONTROL OF EROSION AND SEDIMENT RUNOFF FOR THE SITE ALONG WITH PROPER MAINTENANCE AND INSPECTION IN COMPLIANCE WITH THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY.

LAND-DISTURBING ACTIVITIES MUST COMPLY WITH ALL PROVISIONS OF THE DIVISION OF SEWERAGE AND DRAINAGE EROSION AND SEDIMENT CONTROL REGULATION. ALL LAND-DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY THE CITY OF COLUMBUS AND/OR THE OHIO EPA. FAILURE TO COMPLY WITH THESE REGULATIONS IS SUBJECT TO LEGAL ENFORCEMENT ACTION.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE CITY OF COLUMBUS 48 HOURS PRIOR TO COMMENCEMENT OF INITIAL SITE LAND DISTURBANCE ON ANY SITE OF TWO OR MORE ACRES. THIS INCLUDES SITE CLEARING, GRUBBING AND ANY EARTH MOVING. PRIMARY EROSION AND SEDIMENT CONTROL PRACTICES ARE MANDATED BY REGULATION TO BE IN PLACE FROM THE BEGINNING OF THE CONSTRUCTION ACTIVITY. PLEASE CONTACT STORMWATER MANAGEMENT DIVISION BY PHONE @ 614-645-6700 OR FAX @ 614-645-1840. DETAILS OF THIS REQUIREMENT MAY BE FOUND IN THE EROSION AND SEDIMENT POLLUTION CONTROL REGULATION (ADOPTED JUNE 1, 1994). FAILURE TO COMPLY MAY RESULT IN ENFORCEMENT ACTION AS DETAILED IN THE COLUMBUS CITY CODES SECTION 1145.80.

27. **SOIL STOCKPILES:** ALL SOIL STOCKPILES SHALL BE PROTECTED FROM EROSION BY PERIMETER CONTROL DEVICES SUCH AS STRAW BALE DIKES OR SILT FENCES. THESE PERIMETER CONTROL DEVICES SHALL BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT. EXCAVATED MATERIALS SHALL NOT BE STORED ON EXISTING PUBLIC ROADWAY PAVEMENTS. THIS INCLUDES EXCESS OR UNUSABLE EXCAVATED SOIL.

28. **STORM SEWER INLET PROTECTION:** ALL STORM SEWER INLETS SHALL BE PROTECTED FROM EXCESSIVE AMOUNTS OF SEDIMENTS USING ADEQUATE FILTERING DEVICES AS APPROVED BY THE DIVISION OF SEWERAGE AND DRAINAGE. THESE DEVICES SHALL BE MAINTAINED UNTIL THE DENUDED AREA HAS BEEN STABILIZED, OR AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CMSC ITEM 207 - INLET PROTECTION. STRAW OR HAY BALES ARE NOT APPROVED FOR INLET PROTECTION.

29. **DISPOSAL OF EXCESS EXCAVATION:** THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS EXCAVATION. DISPOSAL OF EXCESS SOIL, DEBRIS AND MATERIALS MUST BE DONE IN AN ENVIRONMENTALLY SOUND MANNER IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. THERE SHALL BE NO DISPOSAL IN OR NEAR ANY WATER BODY, FLOODPLAIN, WETLAND, DRAINAGE COURSE OR ENVIRONMENTALLY SENSITIVE AREA, EVEN WITH PERMISSION OF THE PROPERTY OWNER. IF MATERIALS ARE DISPOSED ON PROPERTY WITHIN CITY LIMITS, THE CONTRACTOR SHALL PROVIDE A COPY OF THE SIGNED AGREEMENT AND A COPY OF THE GRADE AND FILL PERMIT OBTAINED FROM THE DEVELOPMENT DEPARTMENT.

30. **STREET CLEANING:** THE CONTRACTOR SHALL KEEP STREETS AFFECTED BY HIS CONSTRUCTION FREE OF DIRT, SEDIMENT OR MUD. THE ENGINEER MAY DIRECT THE CONTRACTOR TO PERFORM STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGH THE DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING AND (IF NECESSARY) MANUAL REMOVAL OF DIRT OR MUD IN THE STREET GUTTERS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CMSC ITEM 207, UNLESS OTHERWISE SPECIFIED.

31. **NON-PERFORMANCE:** IN THE EVENT THAT IT BECOMES NECESSARY FOR THE CITY TO PERFORM WORK OF AN IMMEDIATE NATURE (SUCH AS THE PLACEMENT OF BARRICADES OR REPLACEMENT OF SIGNS OR OTHER WARNING OR PROTECTIVE DEVICES) REQUIRED OF THE CONTRACTOR BY THIS CONTRACT BECAUSE OF FAILURE OR REFUSAL OF THE CONTRACTOR TO PERFORM SUCH WORK, THE CONTRACTOR SHALL REIMBURSE THE CITY AT THE RATE OF 2.5 TIMES THE ACTUAL COST OF LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO PERFORM SUCH WORK. IF THE CONTRACTOR REFUSES OR FAILS WITHIN A REASONABLE TIME TO PERFORM OR CAUSE THE PERFORMANCE OF SUCH WORK, THE CITY SHALL BE REIMBURSED BY THE CONTRACTOR IN THE AMOUNT PROVIDED HEREIN BY WAY OF A DEDUCTION FROM THE CONTRACTOR'S NET PAYMENT UNDER THE CONTRACT. REASONABLE TIME

FOR ALL STREETS INVOLVED ON THIS CONTRACT IS 1 HOUR FROM THE TIME OF NOTIFICATION BY THE CITY.

32. **FOR AMERICAN ELECTRIC POWER (AEP) TRANSMISSION:** THE CONTRACTOR SHALL CONTACT AEP TRANSMISSION'S FIELD REPRESENTATIVE, DINO JULIAN, AT 740-503-2819 PRIOR TO THE PRE-CONSTRUCTION MEETING AND A MINIMUM OF 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY IN THE VICINITY OF AEP'S BURIED TRANSMISSION LINES.

THE CONTRACTOR SHALL USE EXTREME CAUTION WHILE WORKING IN THE VICINITY OF AEP'S BURIED TRANSMISSION LINES. THE CONTRACTOR SHALL ALSO UTILIZE THE FOLLOWING CONSTRUCTION PRACTICES:

DO NOT INSTALL TREES OR SHRUBS WITHIN 10 FEET ON EITHER SIDE OF THE BURIED TRANSMISSION LINES.

33. **FOR THE DIVISION OF POWER:** THE DIVISION OF POWER (DOP) HAS UNDERGROUND PRIMARY, SECONDARY AND STREET LIGHTING AT THIS WORK SITE. THE CONTRACTOR IS HEREBY REQUIRED TO CONTACT OUPS AT 1-800-362-2764 FOURTY-EIGHT HOURS PRIOR TO CONDUCTING ANY ACTIVITY WITHIN THE CONSTRUCTION AREA. THE DOP DISPATCH OFFICE NUMBER IS (614) 645-7627 (VOICE).

ANY REQUIRED RELOCATION, SUPPORT, PROTECTION, OR ANY OTHER ACTIVITY CONCERNED WITH THE CITY'S ELECTRICAL FACILITIES IN THE CONSTRUCTION AREA IS TO BE PERFORMED BY THE CONTRACTOR UNDER THE DIRECTION OF DOP PERSONNEL AND AT THE EXPENSE OF THE PROJECT. DOP SHALL MAKE ALL FINAL CONNECTIONS TO DOP'S EXISTING ELECTRICAL SYSTEM AT THE EXPENSE OF THE PROJECT. THE CONTRACTOR SHALL USE MATERIALS AND MAKE REPAIRS TO A CITY OF COLUMBUS STREET LIGHTING SYSTEM BY FOLLOWING DOP'S "MATERIAL AND INSTALLATION SPECIFICATIONS" (MIS) AND THE CITY OF COLUMBUS "CONSTRUCTION AND MATERIAL SPECIFICATIONS" (CMS). ANY NEW OR RE-INSTALLED UNDERGROUND STREETLIGHT SYSTEM SHALL REQUIRE TESTING AS REFERRED TO IN SECTION 1000.18 OF THE CMS MANUAL. THE CONTRACTOR SHALL CONFORM TO DOP'S EXISTING CONDUCTOR SAFETY POLICY AND HOLD CARD SYSTEM, MIS-95, COPIES OF WHICH ARE AVAILABLE FROM DOP. IF YOU HAVE ANY QUESTIONS, CALL MIHAI ORBOCEA AT (614) 645-6851 OR CHRIS VOGEL AT (614) 645-6963.

IF ANY ELECTRIC FACILITY BELONGING TO DOP IS DAMAGED IN ANY MANNER BY THE CONTRACTOR, ITS AGENTS, SERVANTS, OR EMPLOYEES, AND REQUIRES EMERGENCY REPAIRS, DOP SHALL MAKE ALL NECESSARY REPAIRS, AND THE EXPENSE OF SUCH REPAIRS AND OTHER RELATED COSTS SHALL BE PAID BY THE CONTRACTOR TO THE DIVISION OF POWER, CITY OF COLUMBUS, OHIO.

34. **FOR CSX AND NORFOLK SOUTHERN RAILROAD:**

A. THE OHIO UTILITIES PROTECTION SERVICE (OUPS) DOES NOT LOCATE BURIED RAILROAD SIGNAL AND COMMUNICATIONS LINES. THE CONTRACTOR SHALL CONTACT THE RAILROAD'S REPRESENTATIVE TWO (2) DAYS IN ADVANCE OF THOSE PLACES WHERE EXCAVATION, PILE DRIVING, OR HEAVY LOADS MAY DAMAGE RAILROAD UNDERGROUND LINES ON RAILROAD PROPERTY. UPON REQUEST FROM THE CONTRACTOR OR AGENCY, RAILROAD SIGNAL FORCES WILL LOCATE AND PAINT MARK OR FLAG RAILROAD UNDERGROUND SIGNAL, COMMUNICATION, AND POWER LINES IN THE AREA TO BE DISTURBED FOR THE CONTRACTOR. THE CONTRACTOR SHALL AVOID EXCAVATION OR OTHER DISTURBANCE OF THESE LINES WHICH ARE CRITICAL TO THE SAFETY OF THE RAILROAD AND THE PUBLIC. IF DISTURBANCE OR EXCAVATION IS REQUIRED NEAR A BURIED RAILROAD SIGNAL, COMMUNICATION, OR POWER LINE, THE LINE SHALL BE POTHOLED MANUALLY WITH CAREFUL HAND EXCAVATION BY THE CONTRACTOR AND PROTECTED BY THE CONTRACTOR DURING THE COURSE OF THE DISTURBANCE UNDER THE SUPERVISION AND DIRECTION OF A RAILROAD SIGNAL REPRESENTATIVE.

B. ALL WORK ON, OVER, UNDER, OR ADJACENT TO NORFOLK SOUTHERN OR CSX RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH THE NORFOLK SOUTHERN "SPECIAL PROVISIONS FOR THE PROTECTION OF RAILWAY INTERESTS" (NS SPECIAL PROVISIONS), OR WITH THE CSXT "SPECIAL PROVISIONS."

C. THE PROPOSED RIVERBED GRADING SHALL NOT REDUCE THE AMOUNT OF COVER AGAINST THE RAILROAD BRIDGE PIERS. ANY ACTIVITY THAT MAY EXPOSE THE BRIDGE PIER PILING SHALL BE AVOIDED.

35. **SITE DATA**

OWNER/DEVELOPER: COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION
150 SOUTH FRONT STREET, SUITE 210
COLUMBUS, OHIO 43215

PLAN DESIGNER: STANTEC CONSULTING SERVICES INC.
1500 LAKE SHORE DRIVE, SUITE 100
COLUMBUS, OHIO 43204
CONTACT: BRYON RINGLEY
EMAIL: BRYON.RINGLEY@STANTEC.COM
PHONE: 614-486-4383
FAX: 614-486-1351

OHIO EPA NOI: OHC 000004

PROJECT TYPE: DAM REMOVAL/STREAM RESTORATION

SITE DRAINS TO: SCIOTO RIVER

ADJACENT AREAS: SITE IS BOUNDED ON THE EAST BY CIVIC CENTER DRIVE AND MARCONI BOULEVARD AND, ON THE WEST BY VETERANS MEMORIAL AND WASHINGTON BOULEVARD, AND EXTENDS NORTH AND SOUTH ALONG THE SCIOTO RIVER.

SOILS: UW - URBAN LAND-GENESEE COMPLEX, OCCASIONALLY FLOODED
UX - URBAN LAND-OCKLEY COMPLEX, 0-6% SLOPES

APPROXIMATE AREA OF DISTURBANCE: 75.1 ACRES

36. **GENERAL LAND CONSERVATION NOTES**

NO DISTURBED AREA WILL BE DENUDED FOR MORE THAN 7 DAYS IF IT IS TO REMAIN DORMANT FOR MORE THAN 21 DAYS UNLESS AUTHORIZED BY THE GOVERNING JURISDICTION'S INSPECTOR. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE.

ALL STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING FOR ALL SITES.

ALL STORM SEWER, SANITARY SEWER, WATER MAIN AND SERVICE TRENCHES SHALL BE MULCHED AND SEEDDED WITHIN 14 DAYS AFTER BACKFILL IF INSTALLATION IS THROUGH STABILIZED AREAS. NO MORE THAN 500 FEET OF TRENCH WILL BE OPEN AT ANY ONE TIME.

ELECTRIC POWER, TELEPHONE, CATV AND GAS SUPPLY TRENCHES SHALL BE COMPACTED SEEDDED AND MULCHED WITHIN 14 DAYS AFTER BACKFILL, IF INSTALLATION IS THROUGH STABILIZED AREAS.

ALL TEMPORARY DIVERSIONS, SEDIMENT BASIN EMBANKMENTS AND EARTH STOCKPILES SHALL BE SEEDDED AND MULCHED FOR TEMPORARY VEGETATIVE COVER WITHIN 7 DAYS AFTER GRADING. STRAW, HAY MULCH OR EQUIVALENT IS REQUIRED.

ALL STORM SEWER INLETS SHALL BE PROTECTED BY SEDIMENT TRAPS (INLET PROTECTION) WHICH WILL BE MAINTAINED AND MODIFIED AS REQUIRED AS CONSTRUCTION PROGRESSES.

ANY DISTURBED AREA NOT STABILIZED WITH SEEDING, SODDING, PAVING OR BUILT UPON BY NOVEMBER 1ST, OR AREAS DISTURBED AFTER THAT DATE, SHALL BE MULCHED IMMEDIATELY WITH HAY OR STRAW AT THE RATE OF 2 TONS PER ACRE AND OVER-SEEDDED BY APRIL 15TH.

AT THE COMPLETION OF CONSTRUCTION, ALL TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ALL DENUDED AREAS SHALL BE STABILIZED.

MAINTENANCE NOTES

ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED BY THE OWNER'S REPRESENTATIVE WEEKLY AND WITHIN 24 HOURS AFTER EACH RAINFALL TO ASSURE THAT THE MEASURES ARE FUNCTIONING ADEQUATELY. SEDIMENT THAT IS COLLECTED WILL BE DISTRIBUTED ON THE PROTECTED PORTION OF THE SITE AND STABILIZED. ALL STOCKPILES OF EARTH AND TOPSOILS WILL BE PROTECTED WITH TEMPORARY SEEDING OR OTHER MEANS TO PREVENT EROSION.

INLET PROTECTION (IP)

THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN, AND REPAIRS MADE AS NEEDED. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.

STREET CLEANING

STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGH THE DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING AND (IF NECESSARY) MANUAL REMOVAL OF DIRT OR MUD IN THE STREET GUTTERS.

STRAW WATTLES

THE USE OF STRAW WATTLES HAS PROVEN TO BE A VERSATILE AND EFFECTIVE ESC BMP. STRAW WATTLES MAY BE SUBSTITUTED FOR SILT FENCE IN LINEAR INSTALLATIONS.

LEGEND

- GAS LINE
- GAS VALVE
- SANITARY LINE
- SANITARY MANHOLE
- CLEANOUT
- STORM LINE
- CATCHBASIN
- STORM MANHOLE
- WATER LINE
- WATER VALVE
- FIRE HYDRANT
- STATUE
- OVERHEAD ELECTRIC LIGHTING
- UNDERGROUND ELECTRIC LIGHTING
- OVERHEAD ELECTRIC PRIMARY
- UNDERGROUND ELECTRIC PRIMARY
- ELECTRIC MANHOLE
- ELECTRIC PULL BOX
- LIGHT
- POWER POLE
- FLOOD LIGHT
- TRAFFIC MANHOLE
- TRAFFIC POLE
- FLAG POLE
- DECIDUOUS TREE
- CONIFEROUS TREE
- BUSHES
- YARD DRAIN
- IRRIGATION VALVE
- SPRINKLER HEAD
- BOLLARD WITH LIGHT
- BOLLARD
- SIGN
- EDGE OF WATER
- FENCE
- HANDRAIL
- EX. FORCE MAIN
- EX. CONTOUR (MAJOR)
- EX. CONTOUR (MINOR)
- PROPERTY LINES
- PROPERTY LOTS
- PROPERTY EASEMENT
- RIGHT OF WAY
- PROP. FORCE MAIN
- FLOODWAY
- 1% ANNUAL FLOOD BOUNDARY
- 0.2% ANNUAL FLOOD BOUNDARY
- 10YR PROP. ANNUAL FLOOD BOUNDARY
- PROP. BANKFULL
- TEMPORARY CONSTRUCTION FENCE
- TOE WOOD WITH SOIL LIFTS
- ROCK TOE PROTECTION WITH SOIL LIFTS
- SOIL LIFTS
- RIFFLE ARMOR
- PROP. RETAINING WALL (SEE SHEETS S-101 TO S-139)

NOTE: ALL ELECTRIC LINES, UNLESS OTHERWISE NOTED ON THE PLANS, ARE OWNED BY THE CITY OF COLUMBUS DIVISION OF POWER.

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EASEMENT REFERENCE			REVISIONS			
CITY NO.	COUNTY RECORDER		GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE
	VOL.	PAGE				

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LANDSCAPE ARCHITECTURE • URBAN PLANNING

GENERAL NOTES AND LEGEND

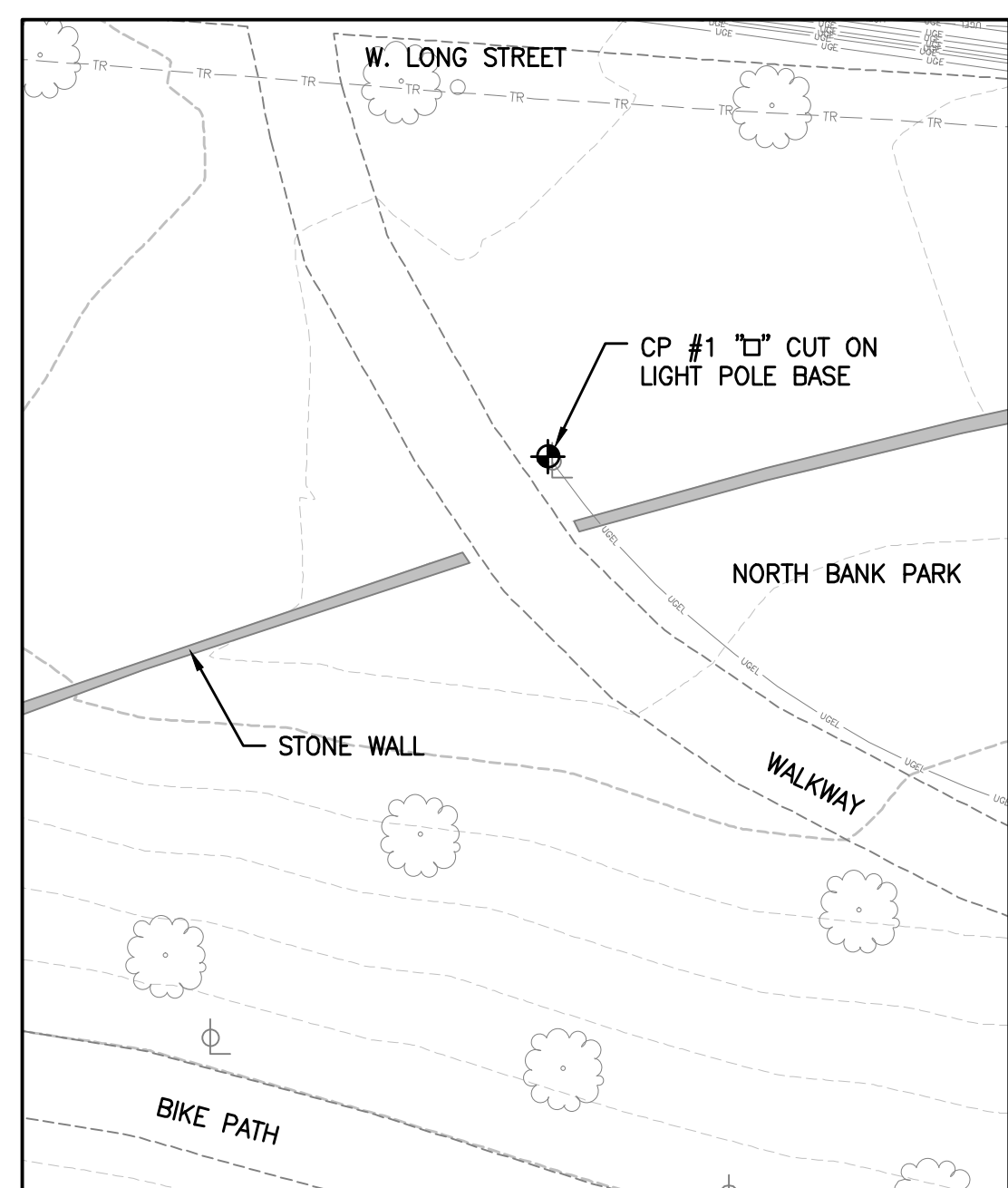
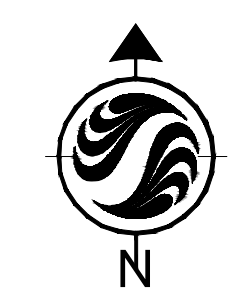
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COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION
SCIOTO GREENWAYS PROJECT
CITY OF COLUMBUS, OHIO

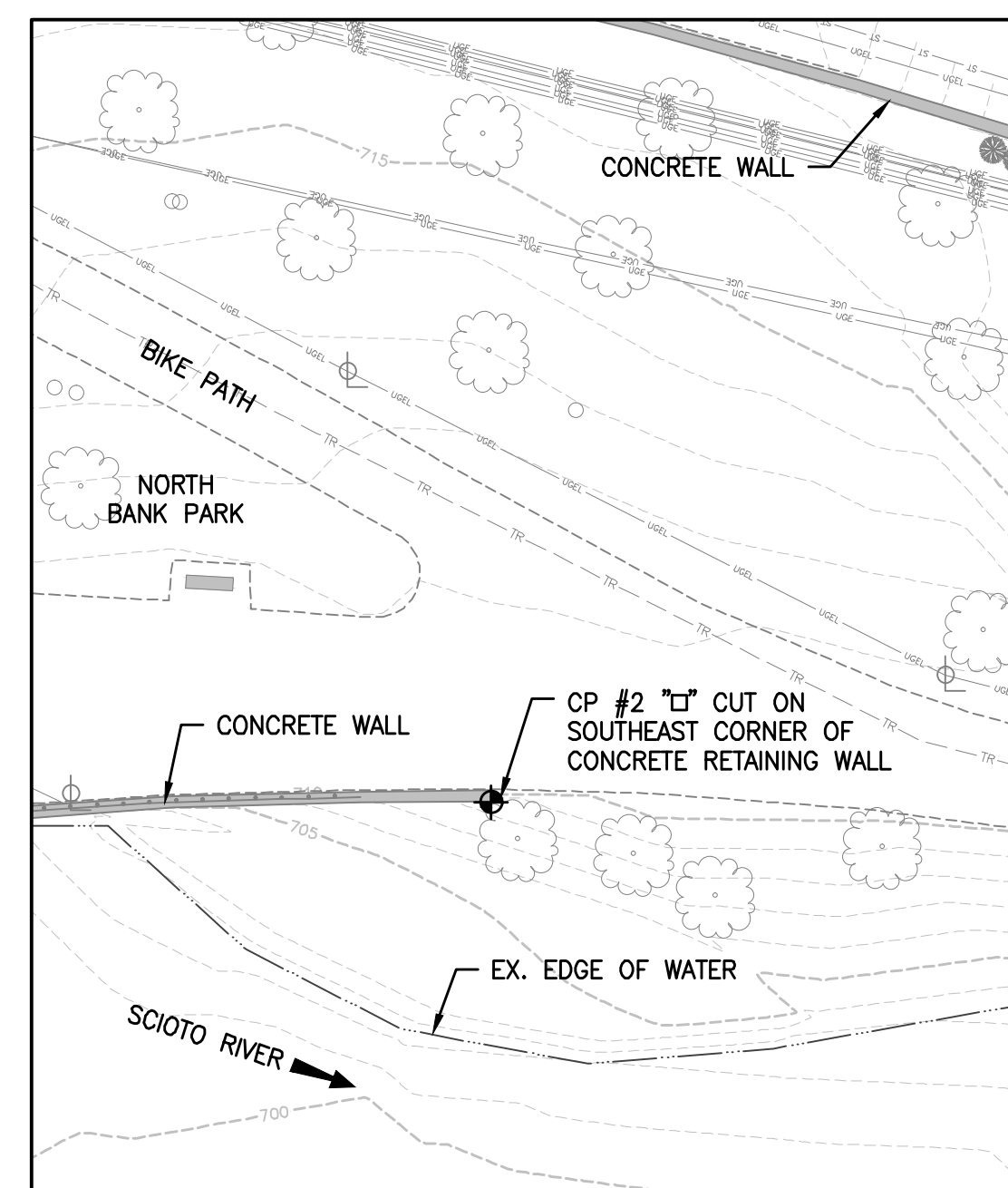
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		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	CLD	CON. DR.
INDEX DETAIL	RECORD FILE		

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

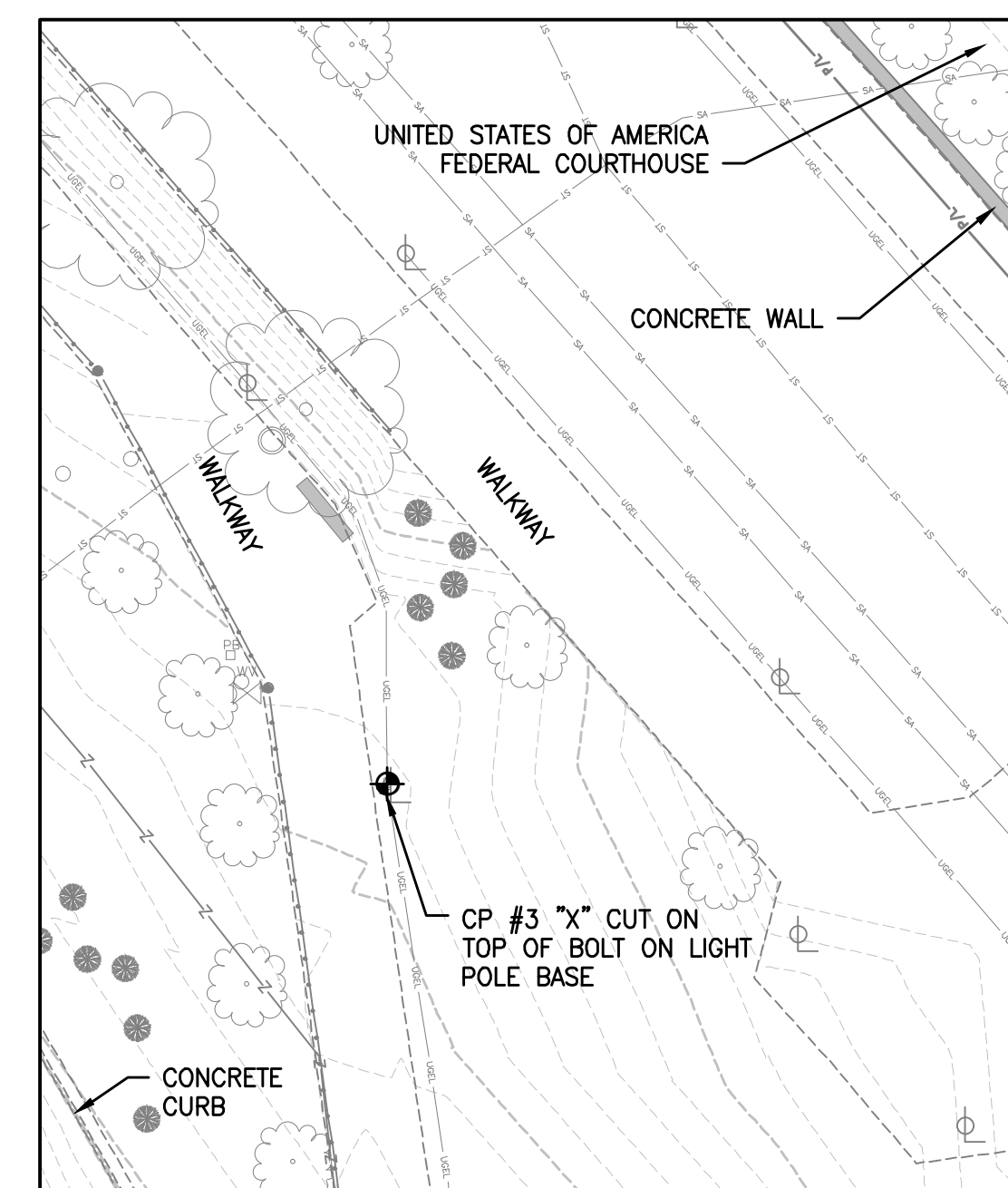
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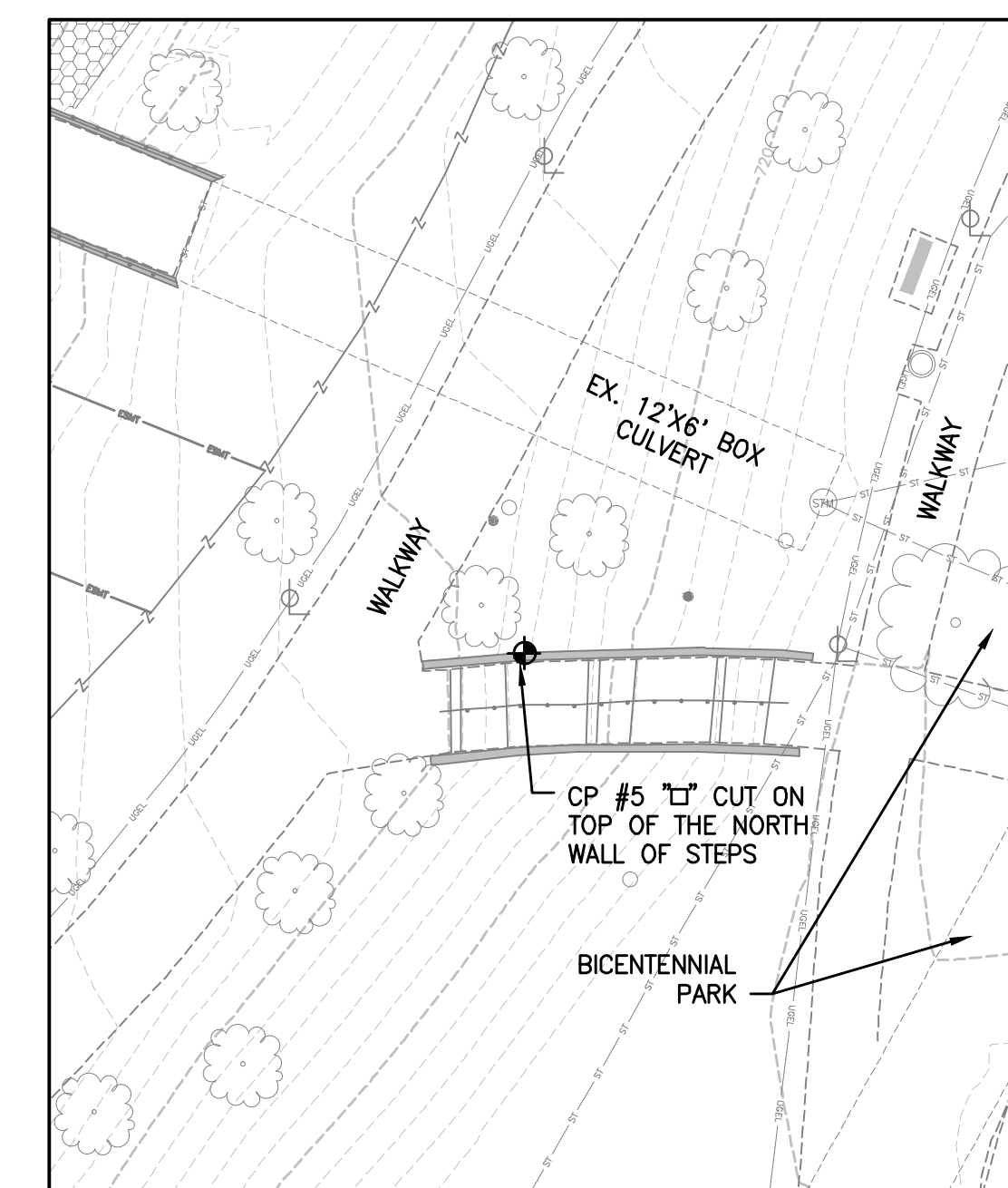
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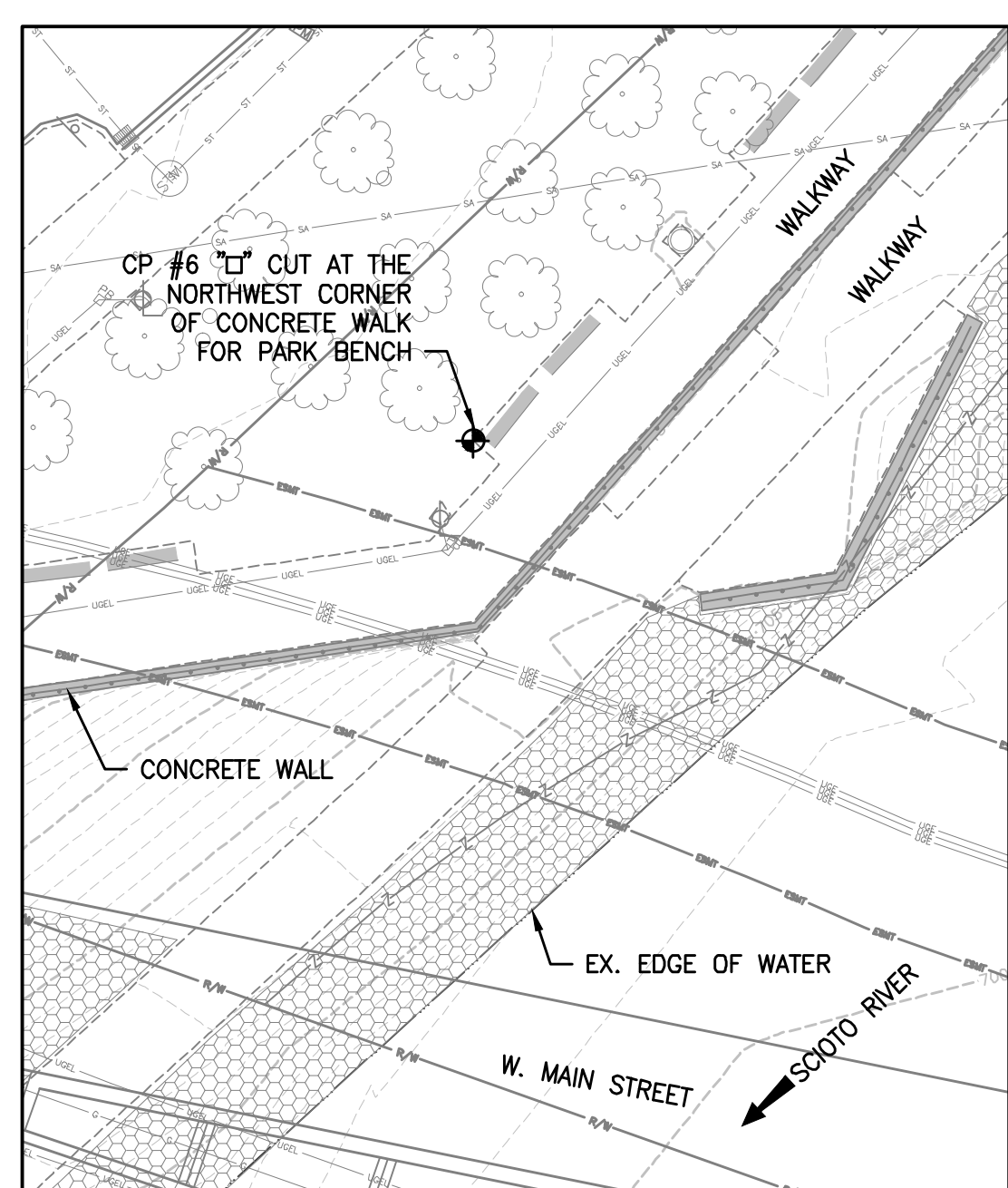
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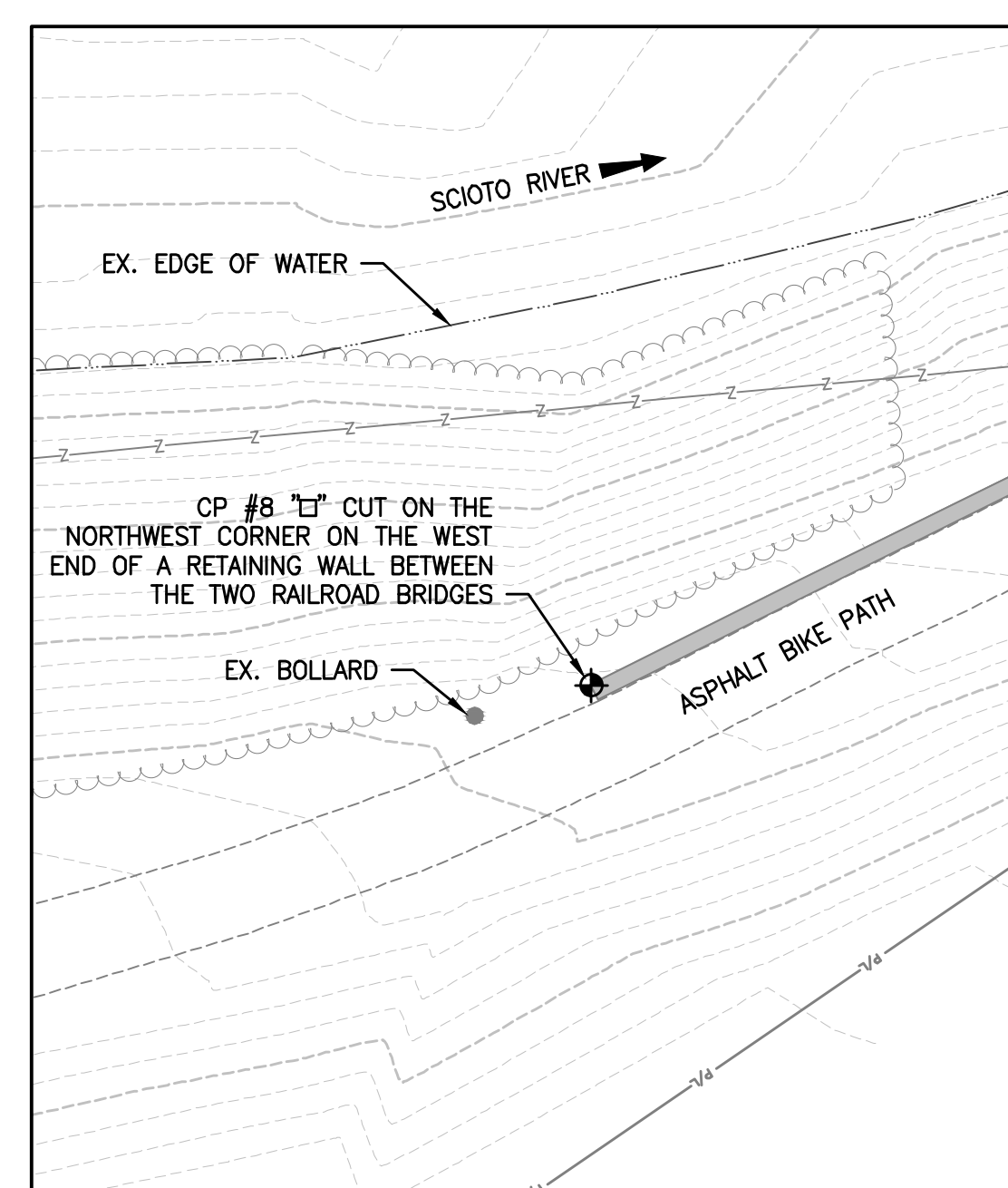
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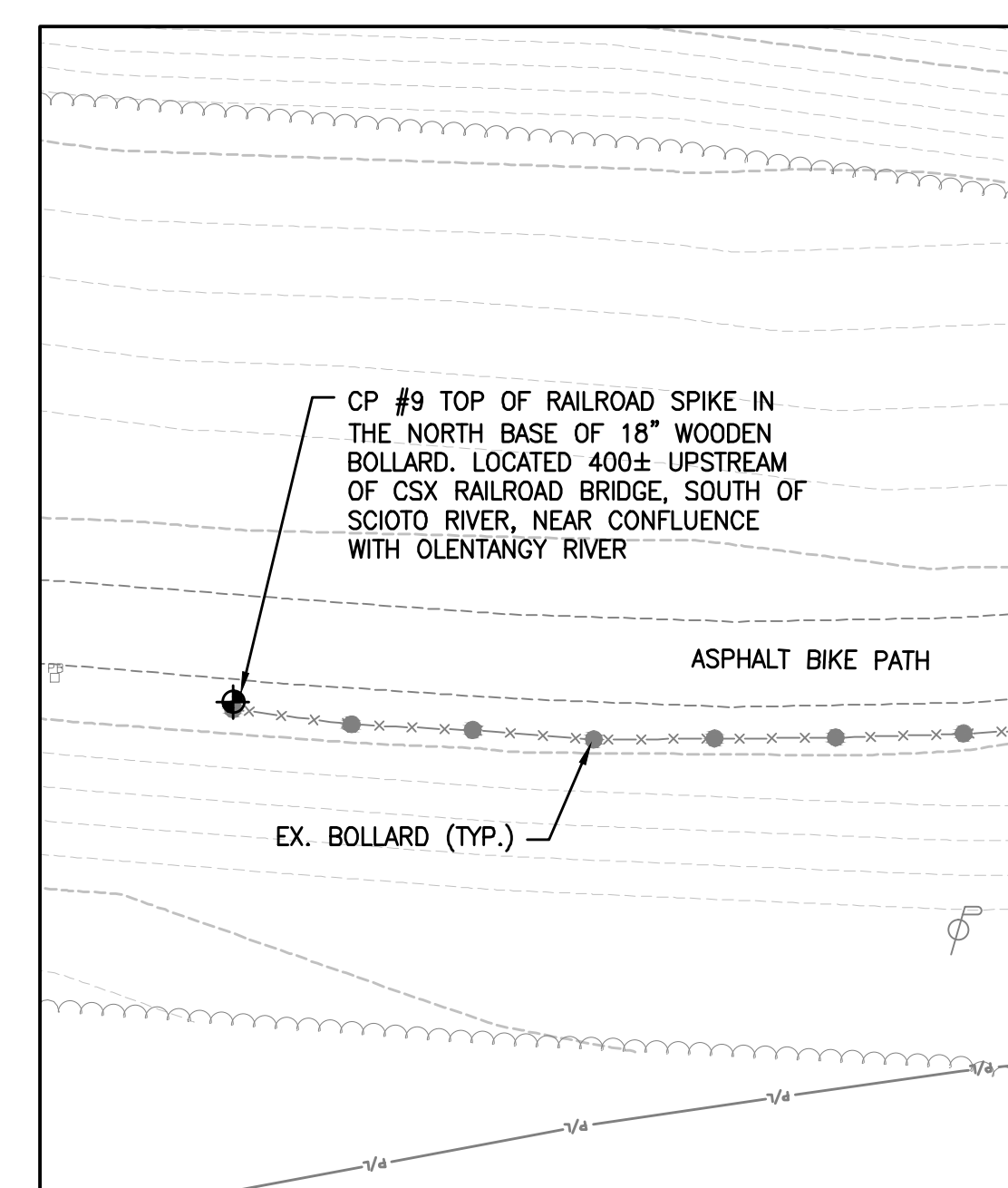
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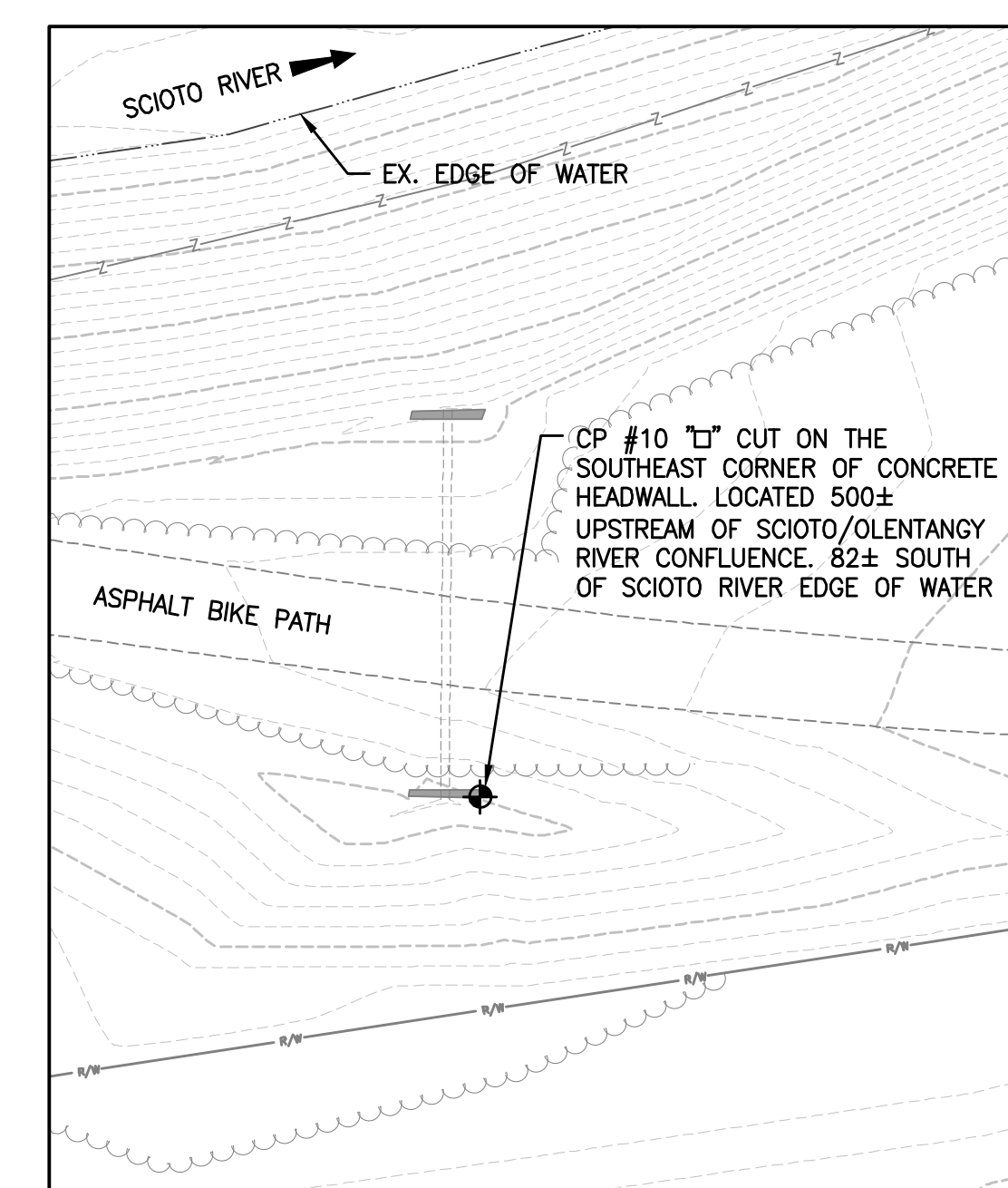
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CONTROL POINT 8



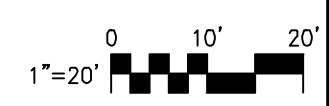
CONTROL POINT 9



CONTROL POINT 10

CONTROL POINT TABLE			
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CP 1	716,187.42	1,824,912.34	716.99
CP 2	716,098.69	1,825,908.79	711.29
CP 3	715,561.67	1,826,686.79	716.32
CP 5	712,876.21	1,826,970.29	719.30
CP 6	713,029.09	1,826,294.26	724.72
CP 8	715,591.35	1,825,438.69	719.28
CP 9	715,515.40	1,824,180.09	730.90
CP 10	715,439.84	1,823,183.91	720.69

CONTROL POINTS SHOWN ARE BASED ON THE OHIO STATE PLANE, OHIO SOUTH ZONE (ZONE 3402) COORDINATE SYSTEM, REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) WITH THE NSRS 2007 ADJUSTMENT. ALL ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).



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	VOL.	PAGE
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REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

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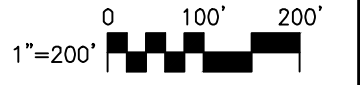
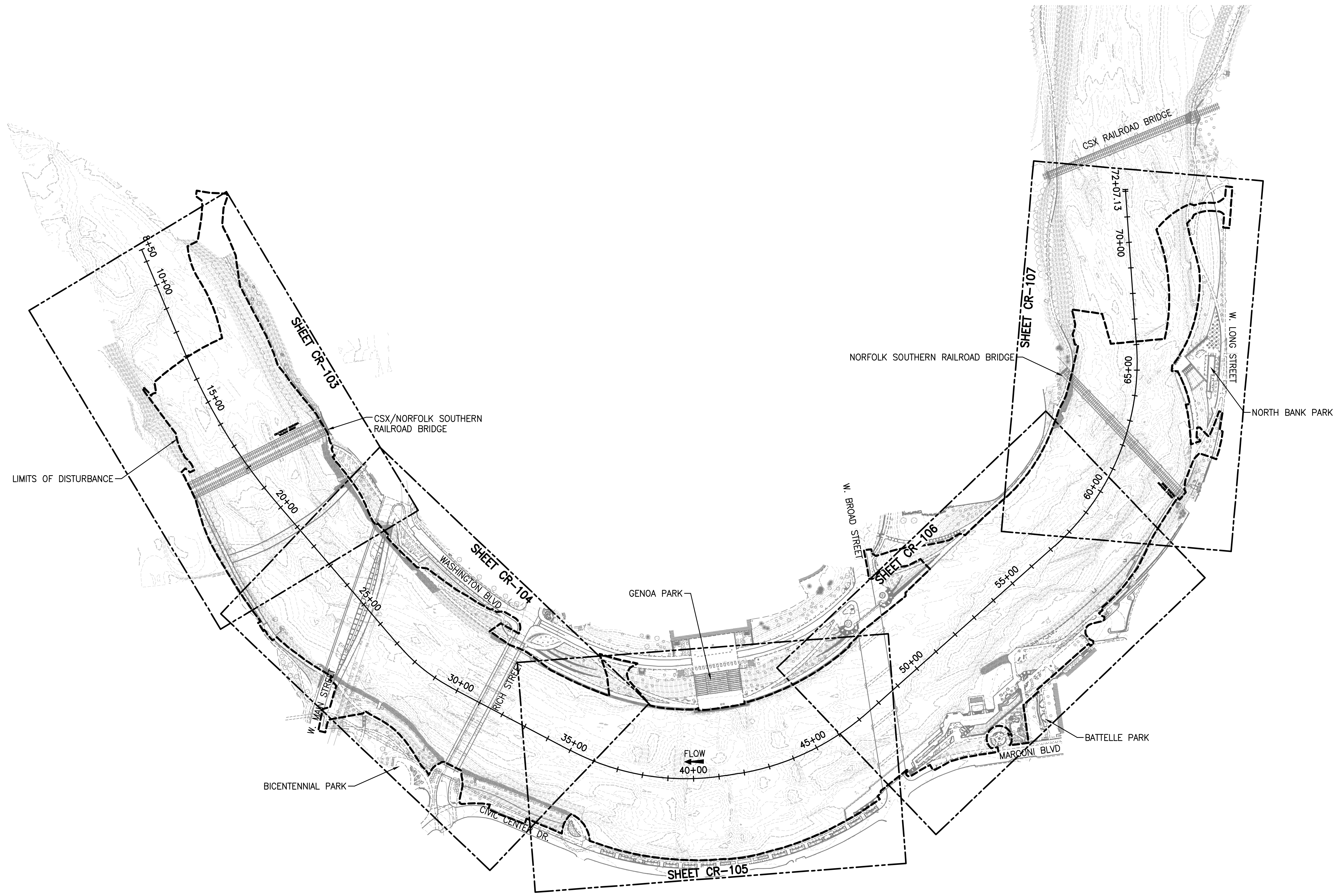
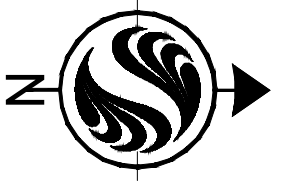

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CONTROL POINTS

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COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	GLD	CON. DR.
INDEX	DETAIL	RECORD	FILE

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 1" = 20'	SHEET: V-101
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER		GRANTOR
	VOL.	PAGE	

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PREPARED BY:

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 1500 Lake Shore Drive, Suite 100
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 (614) 486-4387

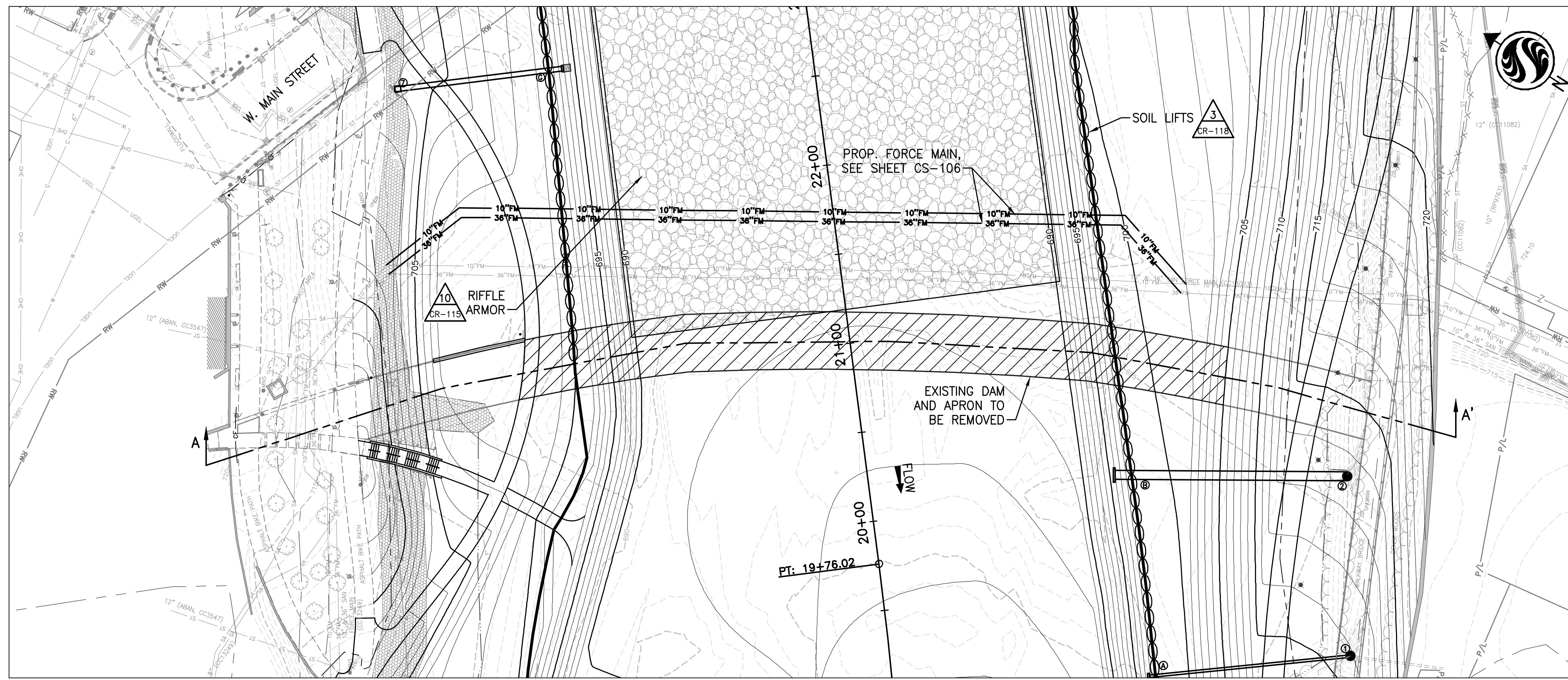
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 LANDSCAPE ARCHITECTURE • URBAN PLANNING

OVERVIEW

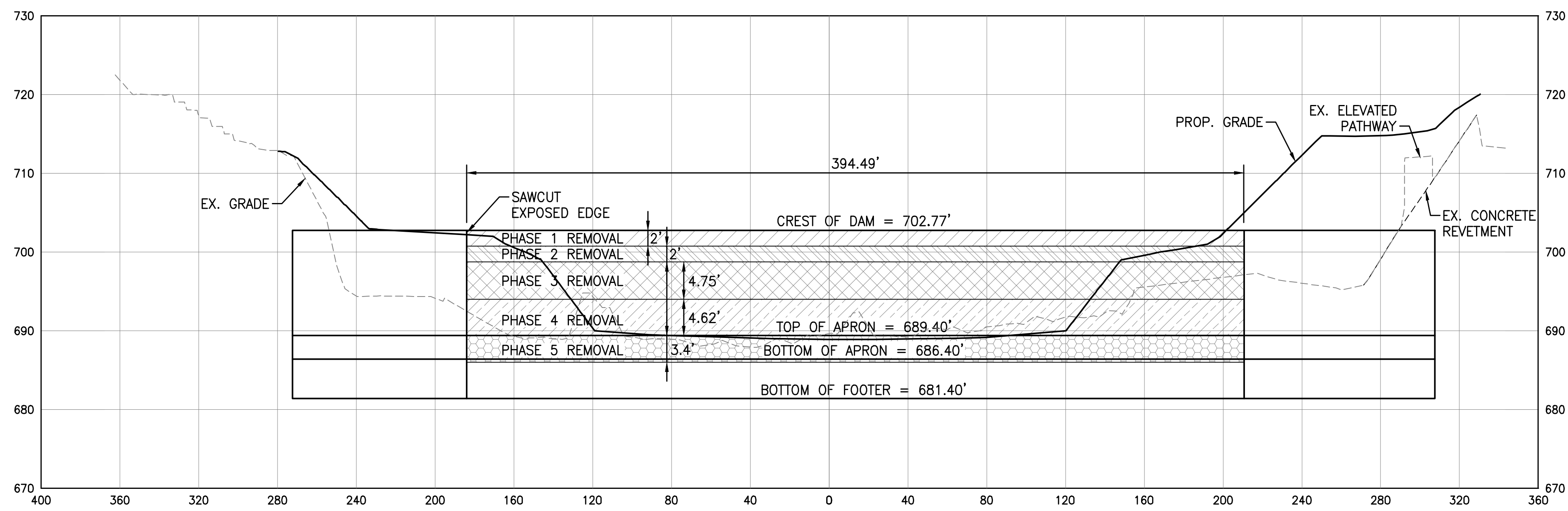
PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
		AGREEMENT	COMPLETED
		RPD CKD	GLD CON. DR.
		INDEX DETAIL	RECORD FILE

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 1" = 200'	SHEET: CR-101
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

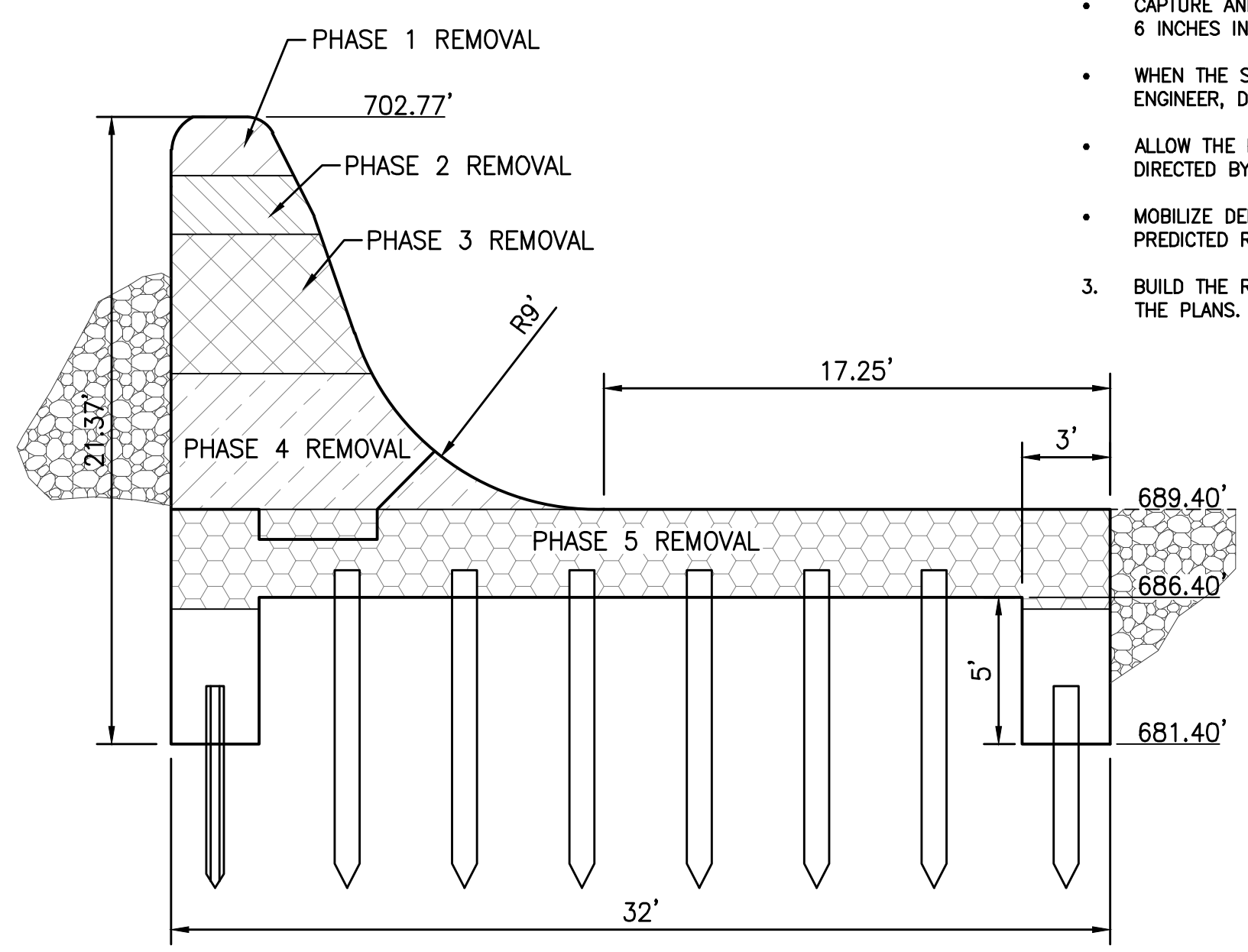
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1 PLAN - DAM DEMOLITION
CR-102 1"=40'



2 SECTION - A-A' - DAM DEMOLITION
CR-102 1"=40' H., 1"=10' V.



3 DETAIL - DAM SECTION
CR-102 1"=5'

DAM DEMOLITION NOTES:

1. WORK IN THE RIVER CHANNEL SHOULD BE PERFORMED DURING DRY PERIODS AND AT LOW WATER, IF POSSIBLE.
2. RIVER STAGE AND DISCHARGE CAN BE MONITORED BY THE SCIOTO RIVER AT COLUMBUS OHIO GAGE OPERATED BY THE U.S. GEOLOGICAL SURVEY (USGS) IN COOPERATION WITH THE U.S. ARMY CORPS OF ENGINEERS (USACE) AND THE CITY OF COLUMBUS, DIVISION OF SEWERAGE AND DRAINAGE (DOSD). LOCATED DOWNSTREAM OF THE PROJECT AREA, 0.4 MILES DOWNSTREAM OF FRANK ROAD, AT THE JACKSON PIKE WASTEWATER TREATMENT PLANT, THIS GAGE CAN BE ACCESSED VIA THE INTERNET AT: [HTTP://WATERDATA.USGS.GOV/NWIS/NWISMAN/?SITE_NO=03227500](http://waterdata.usgs.gov/nwis/nwisman/?site_no=03227500)
3. ALL MOBILE EQUIPMENT SHALL BE REMOVED FROM THE RIVER BED AND FUEL & OIL RELOCATED TO STAGING AREAS AT THE END OF EACH DAY'S WORK.
4. THE CONTRACTOR SHALL UTILIZE CONSTRUCTION METHODS THAT LIMIT DOWNSTREAM TRANSPORT OF RIVER BED MATERIAL DURING DAM DEMOLITION.
5. THE CONTRACTOR SHALL SUBMIT A DEMOLITION PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK.

SEQUENCE OF DAM REMOVAL:

1. ESTABLISH STAGING AREA AND CONSTRUCT TEMPORARY ACCESS ROAD.
 2. MOBILIZE DEMOLITION EQUIPMENT DURING LOW WATER AND A PERIOD OF NO PREDICTED RAINFALL.
- COMPLETE PHASE 1 REMOVAL AS SHOWN ON PLANS**
- CAPTURE AND REMOVE FROM THE RIVER BED ALL CONCRETE LARGER THAN 6 INCHES IN DIAMETER.
 - WHEN THE SHAPE OF THE DAM BREACH HAS BEEN APPROVED BY THE ENGINEER, DEMOBILIZE DEMOLITION EQUIPMENT.
 - ALLOW THE POOL TO DEWATER FOR A MINIMUM OF 48 HOURS OR AS DIRECTED BY THE ENGINEER.
 - MOBILIZE DEMOLITION EQUIPMENT DURING LOW WATER AND A PERIOD OF NO PREDICTED RAINFALL.
- COMPLETE PHASE 2 REMOVAL AS SHOWN ON PLANS**
- CAPTURE AND REMOVE FROM THE RIVER BED ALL CONCRETE LARGER THAN 6 INCHES IN DIAMETER.
 - WHEN THE SHAPE OF THE DAM BREACH HAS BEEN APPROVED BY THE ENGINEER, DEMOBILIZE DEMOLITION EQUIPMENT.
 - ALLOW THE POOL TO DEWATER FOR A MINIMUM OF 48 HOURS OR AS DIRECTED BY THE ENGINEER.
 - MOBILIZE DEMOLITION EQUIPMENT DURING LOW WATER AND A PERIOD OF NO PREDICTED RAINFALL.
- COMPLETE PHASE 3 REMOVAL AS SHOWN ON PLANS**
- CAPTURE AND REMOVE FROM THE RIVER BED ALL CONCRETE LARGER THAN 6 INCHES IN DIAMETER.
 - WHEN THE SHAPE OF THE DAM BREACH HAS BEEN APPROVED BY THE ENGINEER, DEMOBILIZE DEMOLITION EQUIPMENT.
 - ALLOW THE POOL TO DEWATER FOR A MINIMUM OF 48 HOURS OR AS DIRECTED BY THE ENGINEER.
 - MOBILIZE DEMOLITION EQUIPMENT DURING LOW WATER AND A PERIOD OF NO PREDICTED RAINFALL.
- COMPLETE PHASE 4 REMOVAL AS SHOWN ON PLANS**
- CAPTURE AND REMOVE FROM THE RIVER BED ALL CONCRETE LARGER THAN 6 INCHES IN DIAMETER.
 - WHEN THE SHAPE OF THE DAM BREACH HAS BEEN APPROVED BY THE ENGINEER, DEMOBILIZE DEMOLITION EQUIPMENT.
 - ALLOW THE POOL TO DEWATER FOR A MINIMUM OF 48 HOURS OR AS DIRECTED BY THE ENGINEER.
 - MOBILIZE DEMOLITION EQUIPMENT DURING LOW WATER AND A PERIOD OF NO PREDICTED RAINFALL.
- COMPLETE PHASE 5 REMOVAL AS SHOWN ON PLANS**
- CAPTURE AND REMOVE FROM THE RIVER BED ALL CONCRETE LARGER THAN 6 INCHES IN DIAMETER.
 - WHEN THE SHAPE OF THE DAM BREACH HAS BEEN APPROVED BY THE ENGINEER, DEMOBILIZE DEMOLITION EQUIPMENT.
 - ALLOW THE POOL TO DEWATER FOR A MINIMUM OF 48 HOURS OR AS DIRECTED BY THE ENGINEER.
 - MOBILIZE DEMOLITION EQUIPMENT DURING LOW WATER AND A PERIOD OF NO PREDICTED RAINFALL.
3. BUILD THE RIFFLE BETWEEN STA. 21+09 AND STA. 27+00 AS SHOWN ON THE PLANS.

NOTE:
REMAINING UPSTREAM AND DOWNSTREAM FOOTINGS TO BE BROKEN UP INTO A SIZE NOT TO EXCEED 12 INCHES IN DIAMETER AND LEFT IN PLACE.

EASEMENT REFERENCE			REVISIONS		
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	VOL.	PAGE			

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(614) 486-4387

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PROJECT TITLE:

COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION
SCIOTO GREENWAYS PROJECT
CITY OF COLUMBUS, OHIO

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

MAIN STREET DAM DEMOLITION PLAN

DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
		AGREEMENT	COMPLETED
		RPD CKD	GLD CON. DR.
		INDEX DETAIL	RECORD FILE

SCALE: NONE	SHEET: CR-102
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



- NOTES:**
- FOR DAM DEMOLITION, SEE SHEET CR-102.
 - FOR FORCE MAIN AND PROFILE, SEE SHEET CS-106.
 - FOR PROPOSED STORM SEWER PROFILES, SEE SHEETS CS-101 AND CS-102.
 - FOR PROPOSED PARK IMPROVEMENTS, SEE PLANS TITLED "SCIOTO GREENWAYS SITE IMPROVEMENTS" PREPARED BY MKSK.
 - FOR PROPOSED STRUCTURAL/GEOTECHNICAL DETAILS, SEE SHEETS S-101 TO S-150.
 - FOR PROPOSED WORK WITHIN PUBLIC RIGHT OF WAY, SEE PLANS TITLED "IMPROVEMENTS ASSOCIATED WITH SCIOTO GREENWAYS PROJECT" (E-3037).

- SEWER NOTES:**
- EXISTING HEADWALL OR ENDWALL TO BE REMOVED.
 - EXISTING MANHOLE TO BE REMOVED.
 - HEADWALL PER COLUMBUS STANDARD DRAWING AA-S167, MODIFIED FOR BOX CULVERT.
 - EXISTING COMBINED SEWER OVERFLOW SIGN TO BE REMOVED, STORED, AND RE-INSTALLED AT NEW OUTFALL LOCATION AT COMPLETION OF PROJECT.
 - ENDWALL PER COLUMBUS STANDARD DRAWINGS AA-S165, MODIFIED FOR BOX CULVERT.

PLAN



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CITY NO.	COUNTY RECORDER	GRANTOR
	VOL. PAGE	

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PROJECT TITLE:

COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION
SCIOTO GREENWAYS PROJECT
CITY OF COLUMBUS, OHIO

DIVISION USE ONLY

OWNER

CONTRACTOR

INSPECTOR

AGREEMENT	COMPLETED
RPD CKD	CLD CON. DR.
INDEX DETAIL	RECORD FILE

SCALE: 1" = 50'

CONTRACT DRAWING NO. CC-16423

SHEET: CR-103

RECORD PLAN NO.

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 1" = 50'	SHEET: CR-103
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

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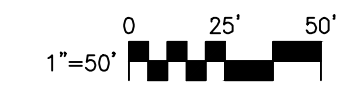


NOTES:

1. FOR DAM DEMOLITION, SEE SHEET CR-102.
2. FOR FORCE MAIN AND PROFILE, SEE SHEET CS-106.
3. FOR PROPOSED STORM SEWER PROFILES, SEE SHEETS CS-101 AND CS-102.
4. FOR PROPOSED PARK IMPROVEMENTS, SEE PLANS TITLED "SCIOTO GREENWAYS SITE IMPROVEMENTS" PREPARED BY MKSK.
5. FOR PROPOSED STRUCTURAL/GEOTECHNICAL DETAILS, SEE SHEETS S-101 TO S-150.
6. FOR PROPOSED WORK WITHIN PUBLIC RIGHT OF WAY, SEE PLANS TITLED "IMPROVEMENTS ASSOCIATED WITH SCIOTO GREENWAYS PROJECT" (E-3037).

SEWER NOTES:

1. EXISTING HEADWALL OR ENDWALL TO BE REMOVED.
2. EXISTING MANHOLE TO BE REMOVED.
3. HEADWALL PER COLUMBUS STANDARD DRAWING AA-S167, MODIFIED FOR BOX CULVERT.
4. EXISTING COMBINED SEWER OVERFLOW SIGN TO BE REMOVED, STORED, AND RE-INSTALLED AT NEW OUTFALL LOCATION AT COMPLETION OF PROJECT.
5. ENDWALL PER COLUMBUS STANDARD DRAWINGS AA-S165, MODIFIED FOR BOX CULVERT.



EASEMENT REFERENCE		
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PREPARED BY:

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PROJECT TITLE:

COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION
 SCIOTO GREENWAYS PROJECT
 CITY OF COLUMBUS, OHIO

DIVISION USE ONLY

OWNER

CONTRACTOR

INSPECTOR

AGREEMENT	COMPLETED
RPD CKD	CLD CON. DR.
INDEX DETAIL	RECORD FILE

SCALE: 1" = 50'

SHEET: CR-104

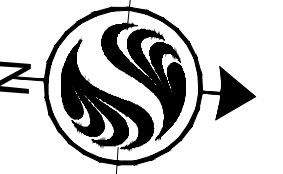
CONTRACT DRAWING NO. CC-16423

RECORD PLAN NO.

EASEMENT REFERENCE		REVISIONS		PREPARED BY:		PROJECT TITLE:	
CITY NO.	COUNTY RECORDER	NO.	DESCRIPTION	Stantec Consulting Services Inc.		COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION	
	VOL. PAGE			1500 Lake Shore Drive, Suite 100		SCIOTO GREENWAYS PROJECT	
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				(614) 486-4383			
				(614) 486-4387			

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CITY NO.	COUNTY RECORDER	NO.	DESCRIPTION	Stantec Consulting Services Inc.		COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION	
	VOL. PAGE			1500 Lake Shore Drive, Suite 100		SCIOTO GREENWAYS PROJECT	
				Columbus, Ohio 43204		CITY OF COLUMBUS, OHIO	
				(614) 486-4383			
				(614) 486-4387			

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 010-012590 CITY OF COLUMBUS OHIO
 010-031695 COLUMBIA GAS OF OHIO INC
 010-000036 CITY OF COLUMBUS OHIO
 010-250719 OSPREY AVE TWO MIRANOVA PL STE 800
 010-057619 CITY OF COLUMBUS OHIO
 010-012590 CITY OF COLUMBUS OHIO
 010-031695 COLUMBIA GAS OF OHIO INC
 010-000036 CITY OF COLUMBUS OHIO
 010-250719 OSPREY AVE TWO MIRANOVA PL STE 800

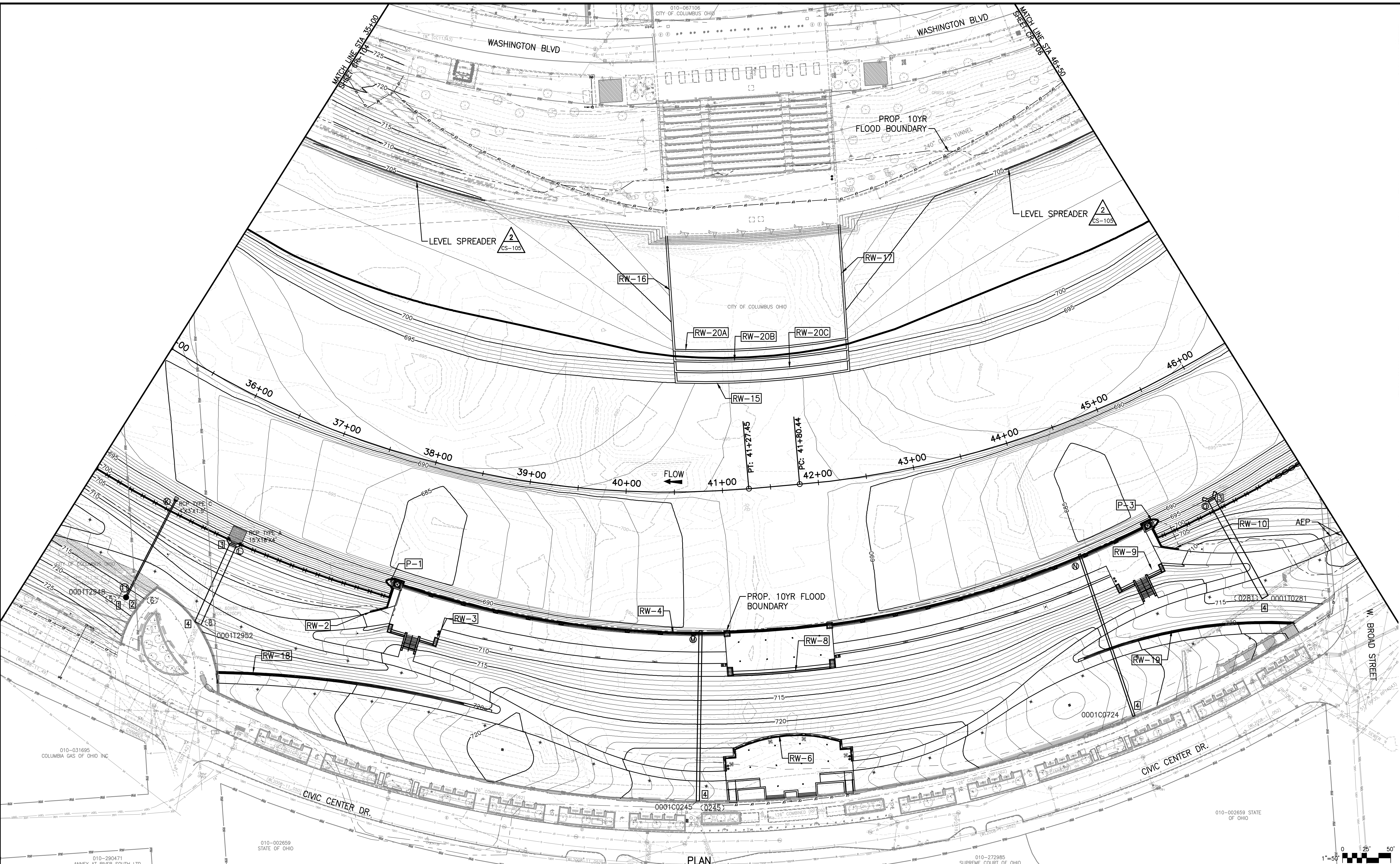


NOTES:

1. FOR DAM DEMOLITION, SEE SHEET CR-102.
2. FOR FORCE MAIN AND PROFILE, SEE SHEET CS-106.
3. FOR PROPOSED STORM SEWER PROFILES, SEE SHEETS CS-101 AND CS-102.
4. FOR PROPOSED PARK IMPROVEMENTS, SEE PLANS TITLED "SCIOTO GREENWAYS SITE IMPROVEMENTS" PREPARED BY MKSK.
5. FOR PROPOSED STRUCTURAL/GEOTECHNICAL DETAILS, SEE SHEETS S-101 TO S-150.
6. FOR PROPOSED WORK WITHIN PUBLIC RIGHT OF WAY, SEE PLANS TITLED "IMPROVEMENTS ASSOCIATED WITH SCIOTO GREENWAYS PROJECT" (E-3037).

SEWER NOTES:

- 1] EXISTING HEADWALL OR ENDWALL TO BE REMOVED.
- 2] EXISTING MANHOLE TO BE REMOVED.
- 3] HEADWALL PER COLUMBUS STANDARD DRAWING AA-S167, MODIFIED FOR BOX CULVERT.
- 4] EXISTING COMBINED SEWER OVERFLOW SIGN TO BE REMOVED, STORED, AND RE-INSTALLED AT NEW OUTFALL LOCATION AT COMPLETION OF PROJECT.
- 5] ENDWALL PER COLUMBUS STANDARD DRAWINGS AA-S165, MODIFIED FOR BOX CULVERT.




PLAN




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	VOL.	PAGE
GRANTOR		

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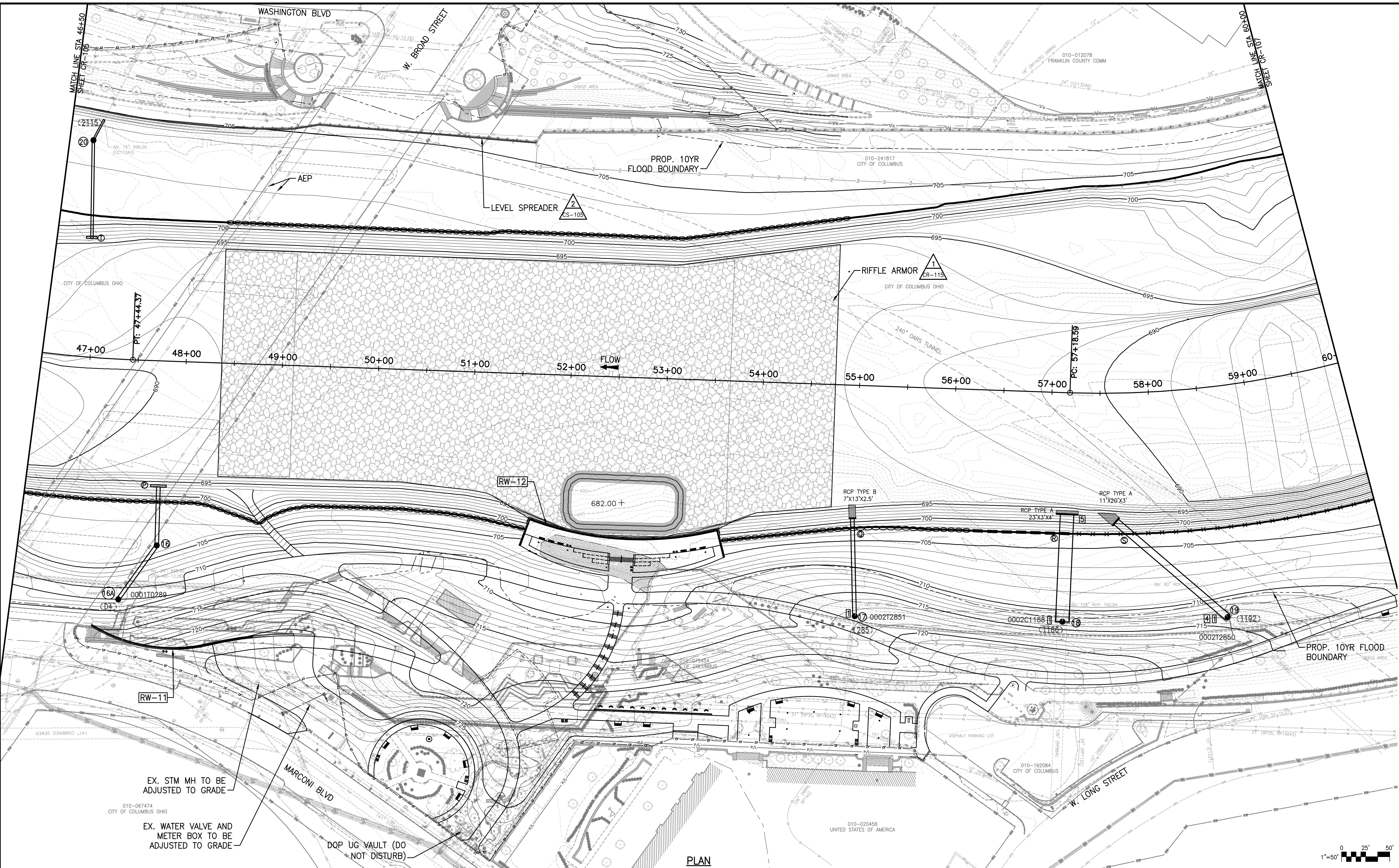

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STREAM RESTORATION PLAN
 STA. 35+00 TO 46+50

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	CLD	CON. DR.
INDEX	RECORD	FILE	
DETAIL	FILE		

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 1" = 50'	SHEET: CR-105
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

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- NOTES:**
- FOR DAM DEMOLITION, SEE SHEET CR-102.
 - FOR FORCE MAIN AND PROFILE, SEE SHEET CS-106.
 - FOR PROPOSED STORM SEWER PROFILES, SEE SHEETS CS-101 AND CS-102.
 - FOR PROPOSED PARK IMPROVEMENTS, SEE PLANS TITLED "SCIOTO GREENWAYS SITE IMPROVEMENTS" PREPARED BY MKSK.
 - FOR PROPOSED STRUCTURAL/GEOTECHNICAL DETAILS, SEE SHEETS S-101 TO S-150.
 - FOR PROPOSED WORK WITHIN PUBLIC RIGHT OF WAY, SEE PLANS TITLED "IMPROVEMENTS ASSOCIATED WITH SCIOTO GREENWAYS PROJECT" (E-3037).

- SEWER NOTES:**
- EXISTING HEADWALL OR ENDWALL TO BE REMOVED.
 - EXISTING MANHOLE TO BE REMOVED.
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 - ENDWALL PER COLUMBUS STANDARD DRAWINGS AA-S165, MODIFIED FOR BOX CULVERT.

EASEMENT REFERENCE		
CITY NO.	COUNTY RECORDER	GRANTOR
	VOL. PAGE	

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PROJECT TITLE:

COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION
 SCIOTO GREENWAYS PROJECT
 CITY OF COLUMBUS, OHIO

DIVISION USE ONLY

OWNER

CONTRACTOR

INSPECTOR

AGREEMENT	COMPLETED
RPD	CKD
CLD	CON. DR.
INDEX DETAIL	RECORD FILE

SCALE: 1" = 50'

SHEET: CR-106

CONTRACT DRAWING NO. CC-16423

RECORD PLAN NO.

EASEMENT REFERENCE		REVISIONS	
CITY NO.	COUNTY RECORDER	NO.	DESCRIPTION
	VOL. PAGE		

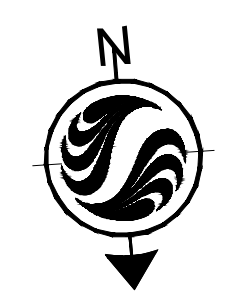
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CITY NO.	COUNTY RECORDER	NO.	DESCRIPTION
	VOL. PAGE		

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- NOTES:**
- FOR DAM DEMOLITION, SEE SHEET CR-102.
 - FOR FORCE MAIN AND PROFILE, SEE SHEET CS-106.
 - FOR PROPOSED STORM SEWER PROFILES, SEE SHEETS CS-101 AND CS-102.
 - FOR PROPOSED PARK IMPROVEMENTS, SEE PLANS TITLED "SCIOTO GREENWAYS SITE IMPROVEMENTS" PREPARED BY MKSK.
 - FOR PROPOSED STRUCTURAL/GEOTECHNICAL DETAILS, SEE SHEETS S-101 TO S-150.
 - FOR PROPOSED WORK WITHIN PUBLIC RIGHT OF WAY, SEE PLANS TITLED "IMPROVEMENTS ASSOCIATED WITH SCIOTO GREENWAYS PROJECT" (E-3037).

- SEWER NOTES:**
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 - ENDWALL PER COLUMBUS STANDARD DRAWINGS AA-S165, MODIFIED FOR BOX CULVERT.



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PROJECT TITLE:

COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION
 SCIOTO GREENWAYS PROJECT
 CITY OF COLUMBUS, OHIO

DIVISION USE ONLY

OWNER

CONTRACTOR

INSPECTOR

AGREEMENT COMPLETED

RPD CKD CLD CON. DR.

INDEX RECORD

DETAIL FILE

SCALE: 1" = 50'

SHEET: CR-107

CONTRACT DRAWING NO. CC-16423

RECORD PLAN NO.

PROJECT TITLE:

COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION
 SCIOTO GREENWAYS PROJECT
 CITY OF COLUMBUS, OHIO

DIVISION USE ONLY

OWNER

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INSPECTOR

AGREEMENT COMPLETED

RPD CKD CLD CON. DR.

INDEX RECORD

DETAIL FILE

SCALE: 1" = 50'

SHEET: CR-107

CONTRACT DRAWING NO. CC-16423

RECORD PLAN NO.

CITY OF COLUMBUS
 DEPARTMENT OF PUBLIC UTILITIES
 DIVISION OF SEWERAGE AND DRAINAGE

DIVISION USE ONLY

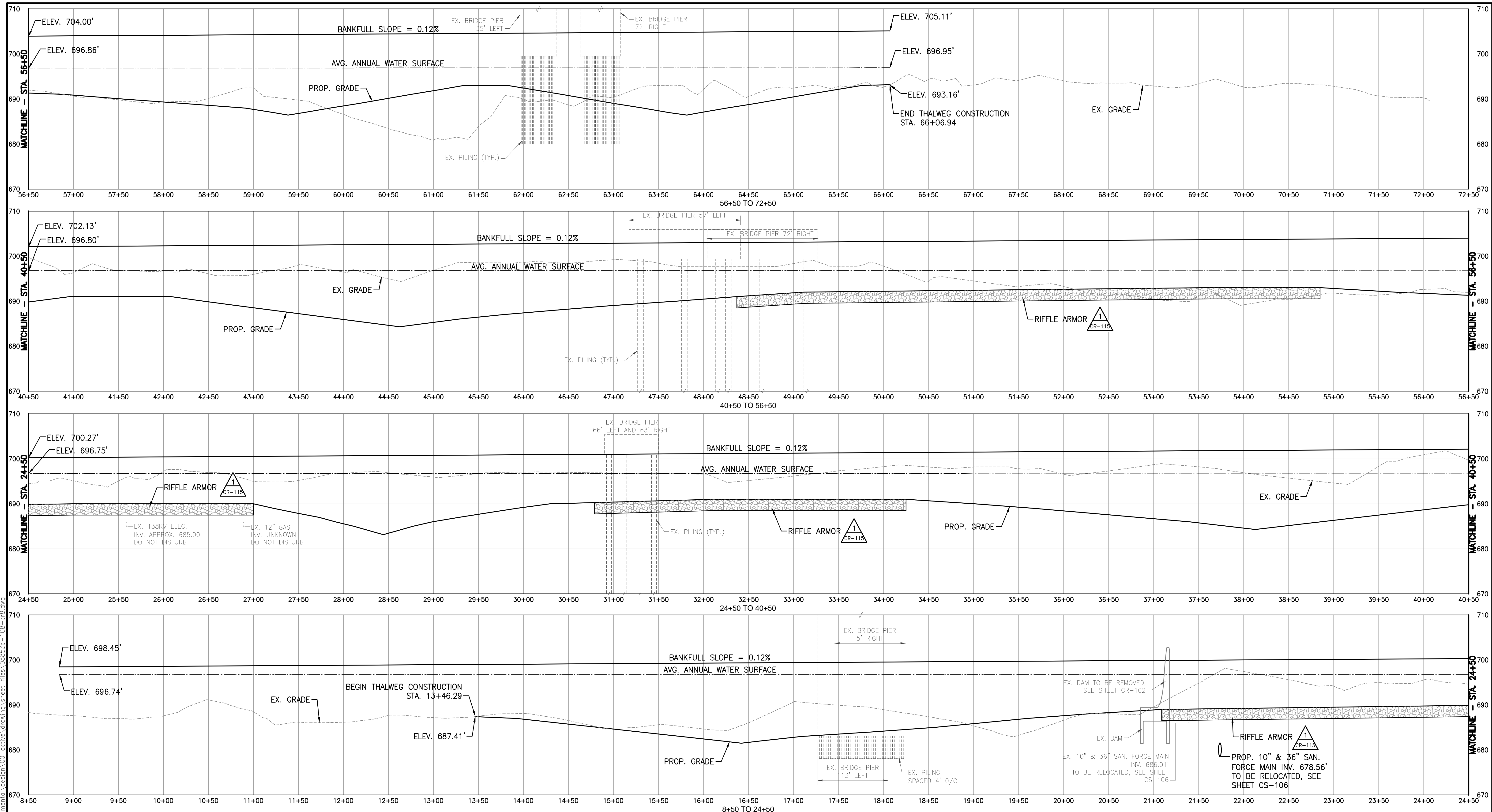
SCALE: 1" = 50'

SHEET: CR-107

CONTRACT DRAWING NO. CC-16423

RECORD PLAN NO.

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 010-004046 CITY OF COLUMBUS
 010-238619 CITY OF COLUMBUS
 010-066337 PENNSYLVANIA LINES LLC
 010-066177 CSX TRANSPORTATION INC CHESAPEAKE & OHIO RY
 010-012078 FRANKLIN COUNTY COMM
 010-241817 CITY OF COLUMBUS
 010-066594 CITY OF COLUMBUS OHIO



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PROJECT TITLE:

COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION
 SCIOTO GREENWAYS PROJECT
 CITY OF COLUMBUS, OHIO

DIVISION USE ONLY

OWNER

CONTRACTOR

INSPECTOR

AGREEMENT COMPLETED

RPD CKD CLD CON. DR.

INDEX DETAIL RECORD FILE

SCALE: 1" = 50' H
 1" = 10' V

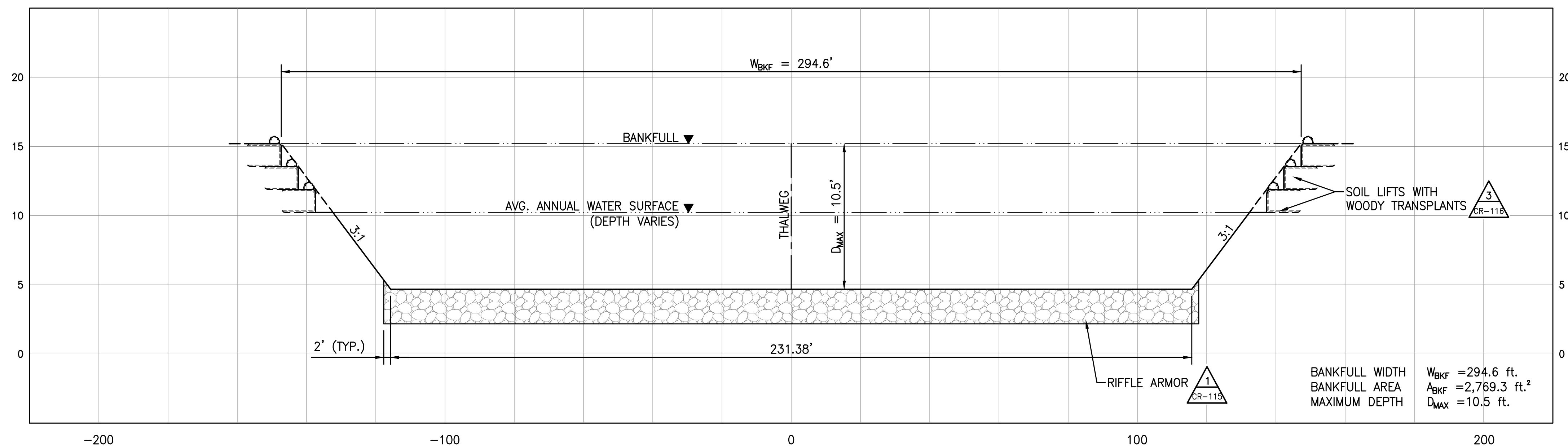
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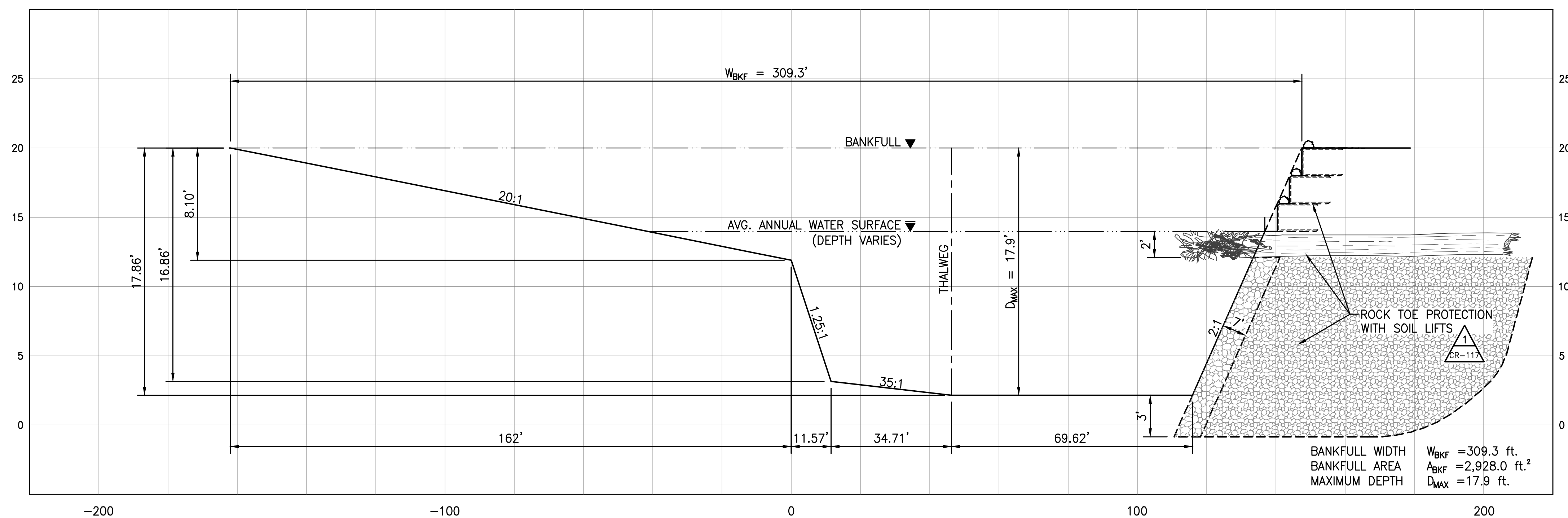
RECORD PLAN NO.

STREAM RESTORATION THALWEG PROFILE
 STA. 8+50 TO 72+50

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 1" = 50' H 1" = 10' V	SHEET: CR-108
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



1 DETAIL - TYPICAL RIFFLE
 1"=20' H, 1"=5' V



2 DETAIL - TYPICAL POOL
 1"=20' H, 1"=5' V

EASEMENT REFERENCE			REVISIONS		
CITY NO.	COUNTY RECORDER		NO.	DESCRIPTION	APPROVAL/DATE
	VOL.	PAGE			

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	VOL.	PAGE			

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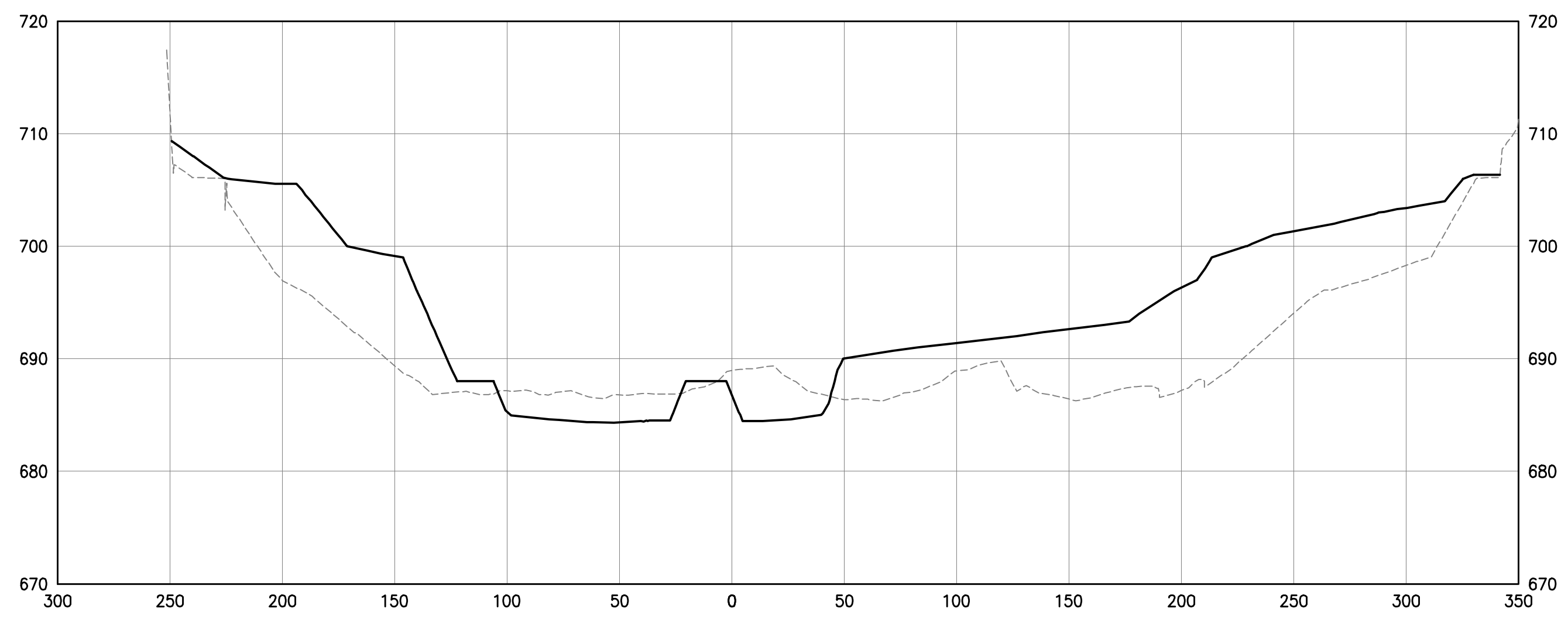
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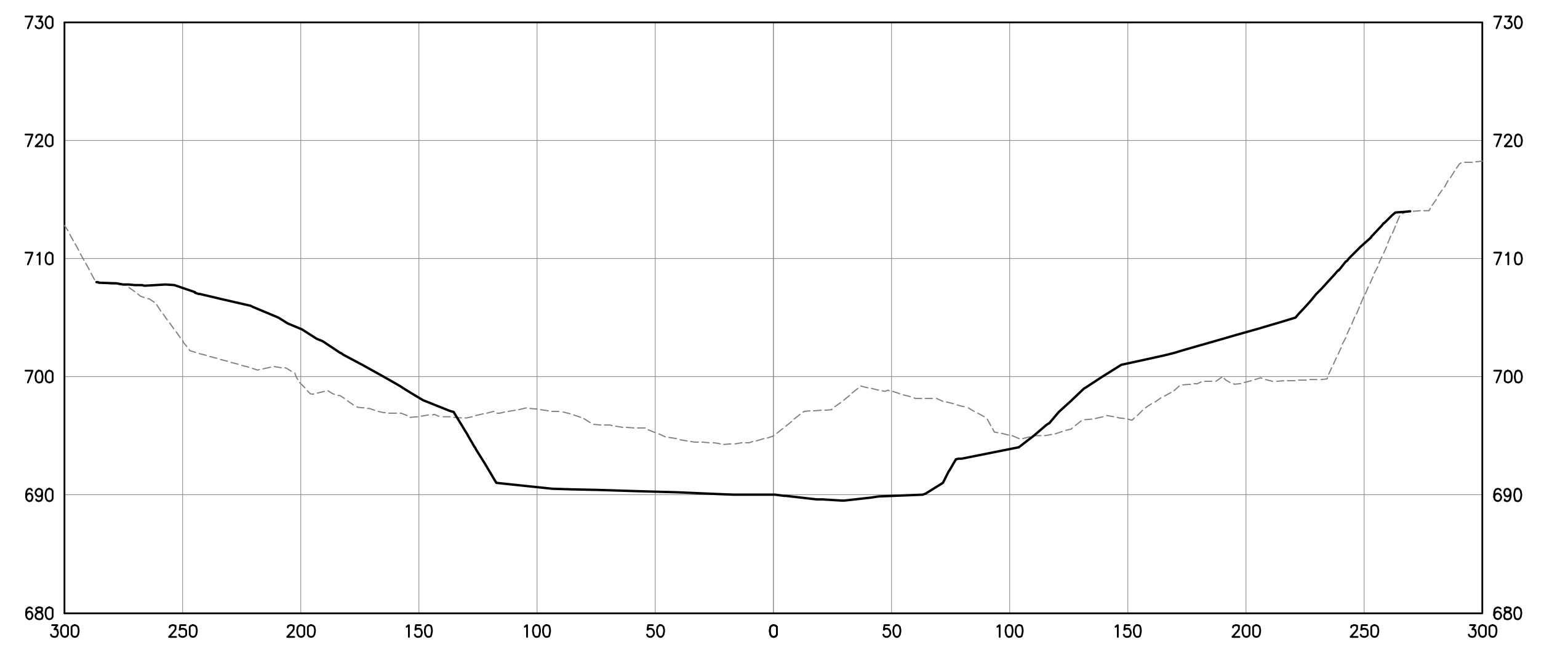
STREAM RESTORATION TYPICAL SECTIONS

PROJECT TITLE:					
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO					
DIVISION USE ONLY			OWNER		
			CONTRACTOR		
			INSPECTOR		
AGREEMENT		COMPLETED			
RPD	CKD	CLD	CON. DR.		
INDEX DETAIL		RECORD FILE			

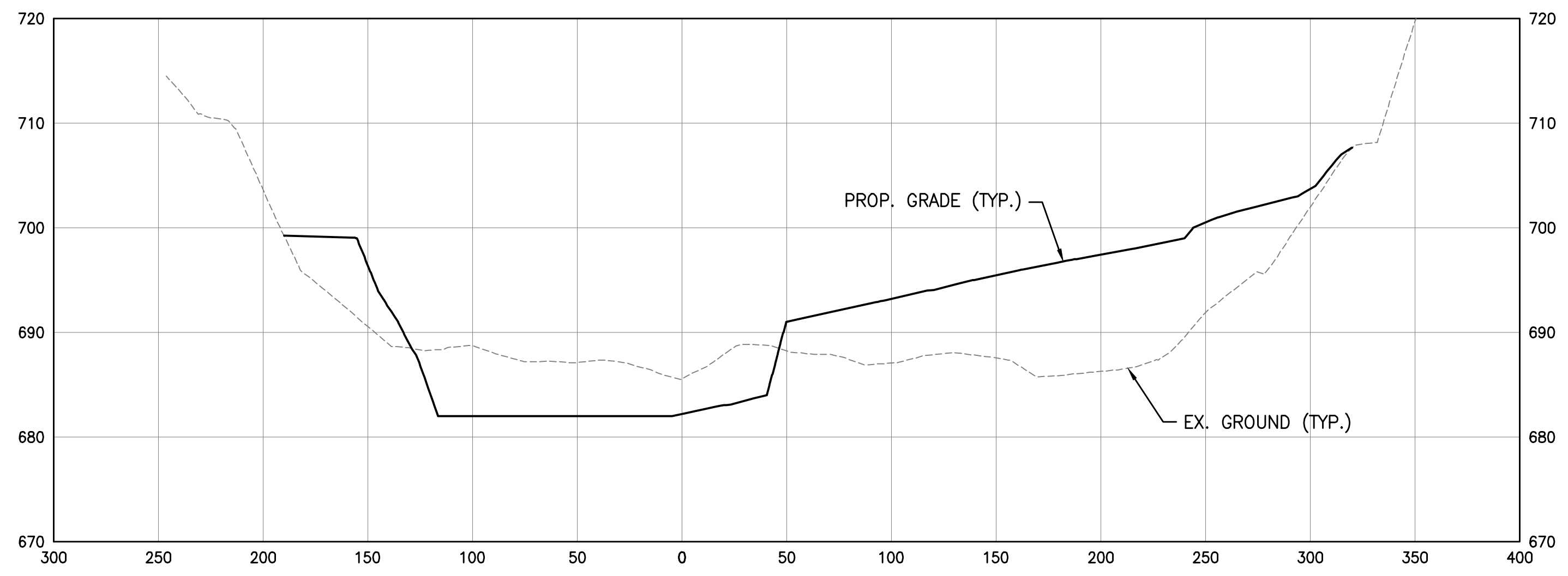
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DIVISION USE ONLY	
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CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



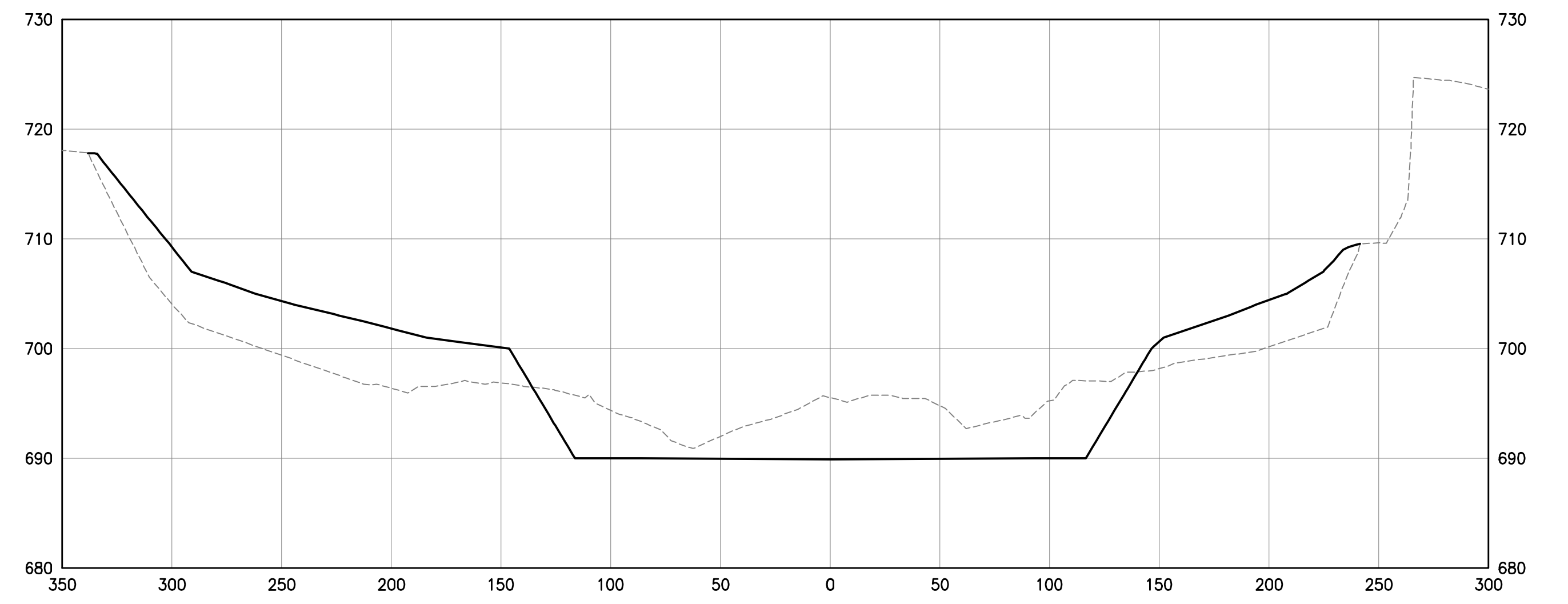
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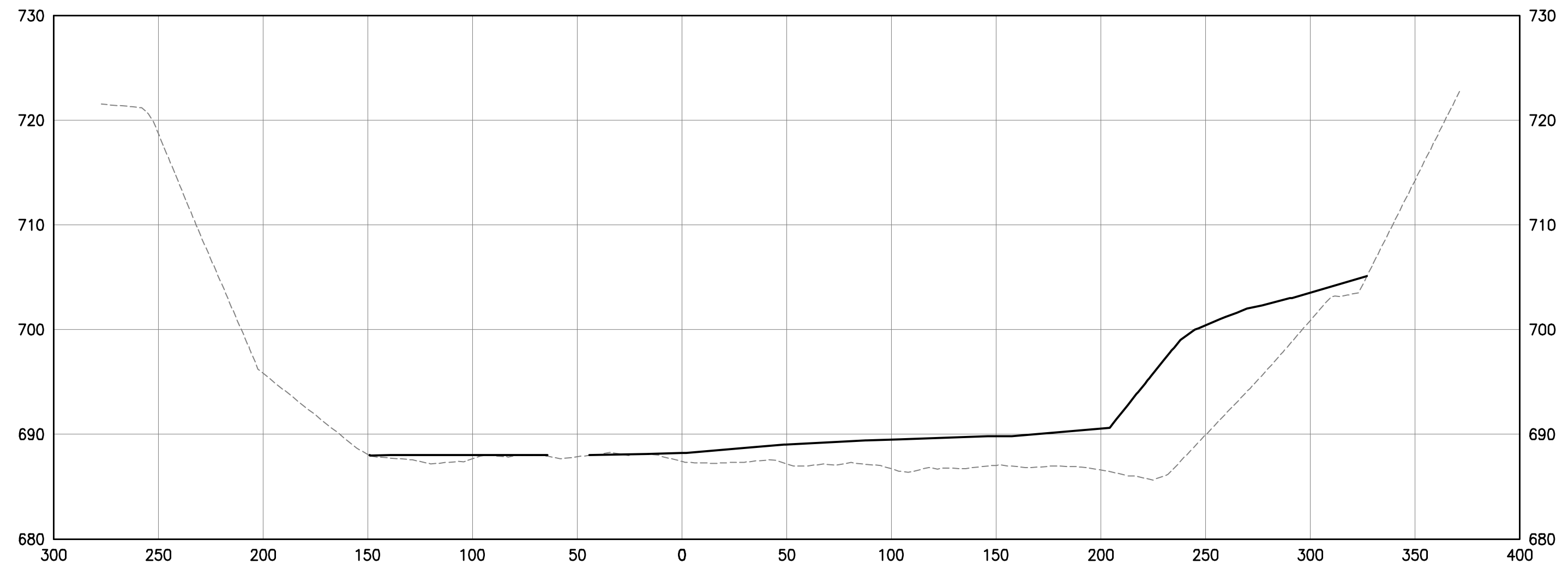
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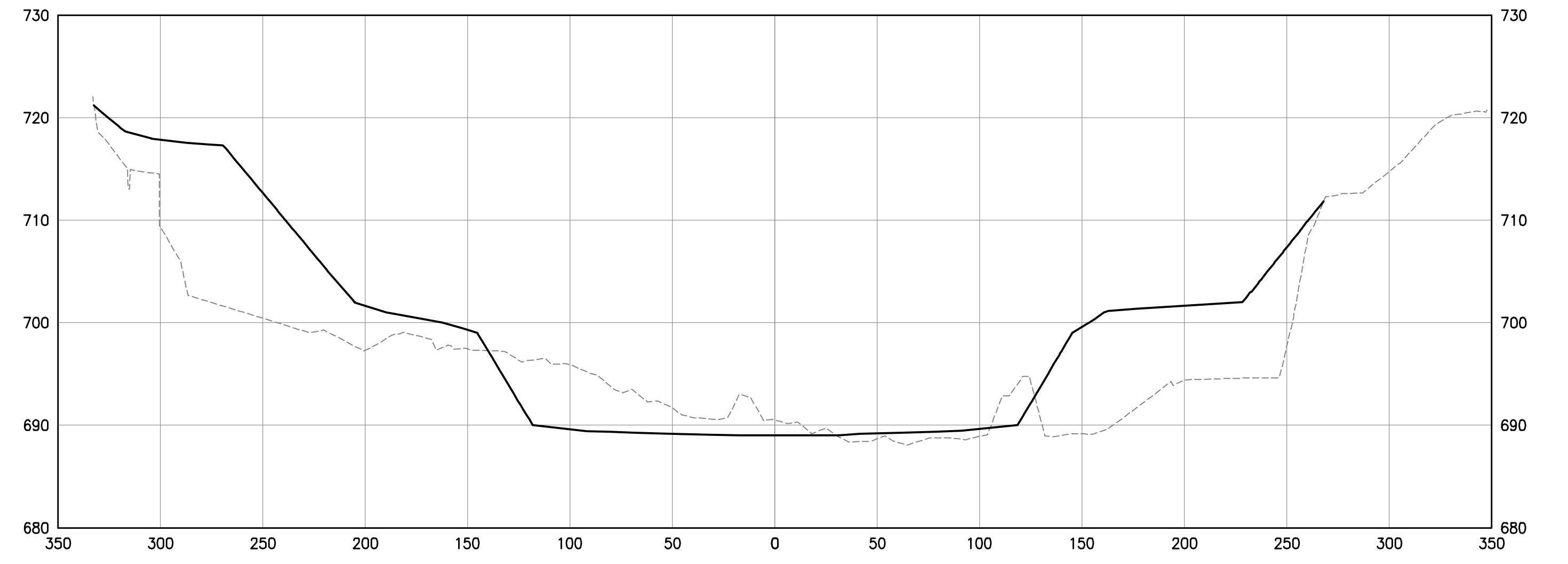
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24+00



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21+09

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EASEMENT REFERENCE			
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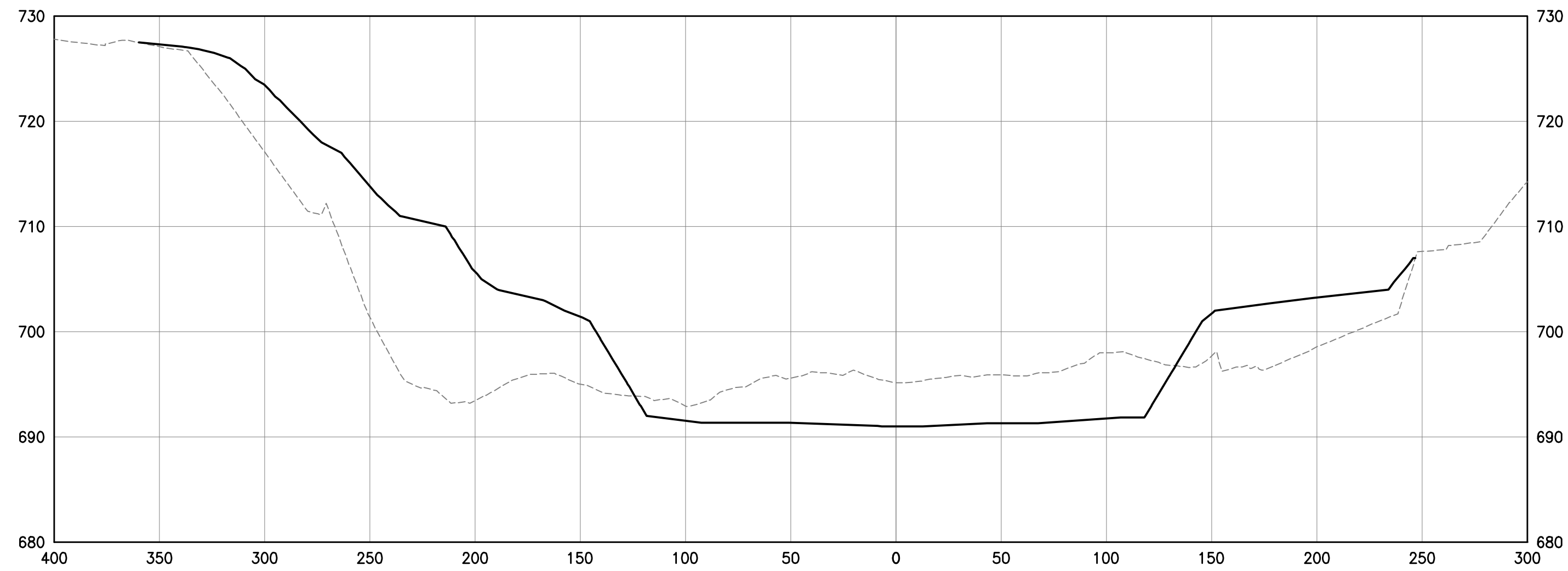


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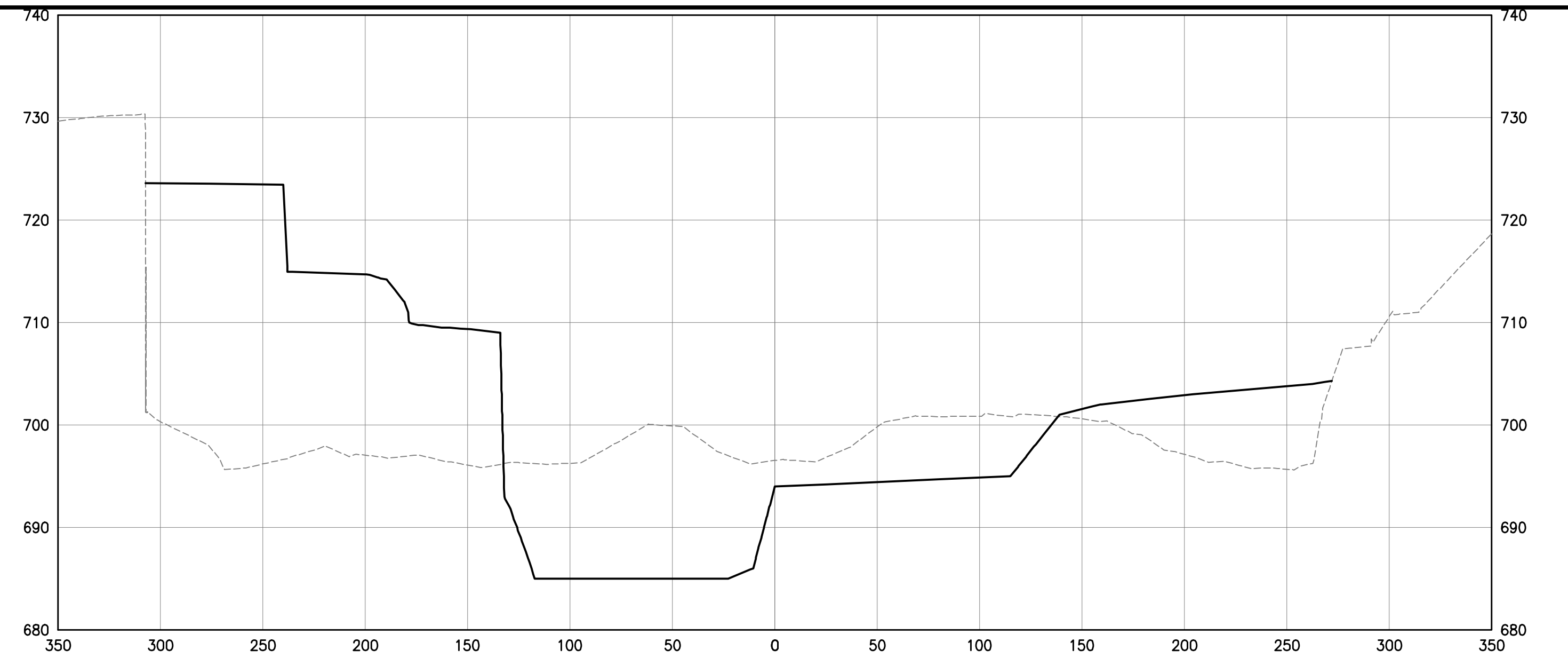
STREAM RESTORATION CROSS SECTIONS

PROJECT TITLE:			
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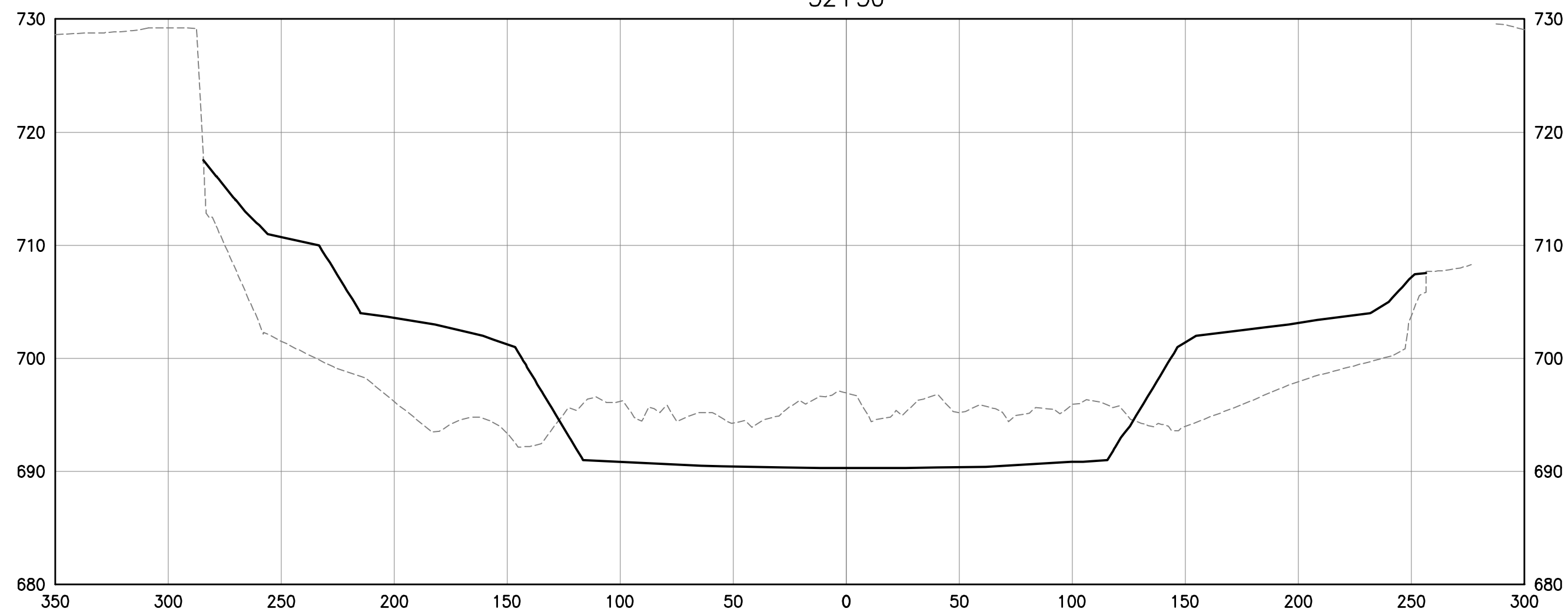
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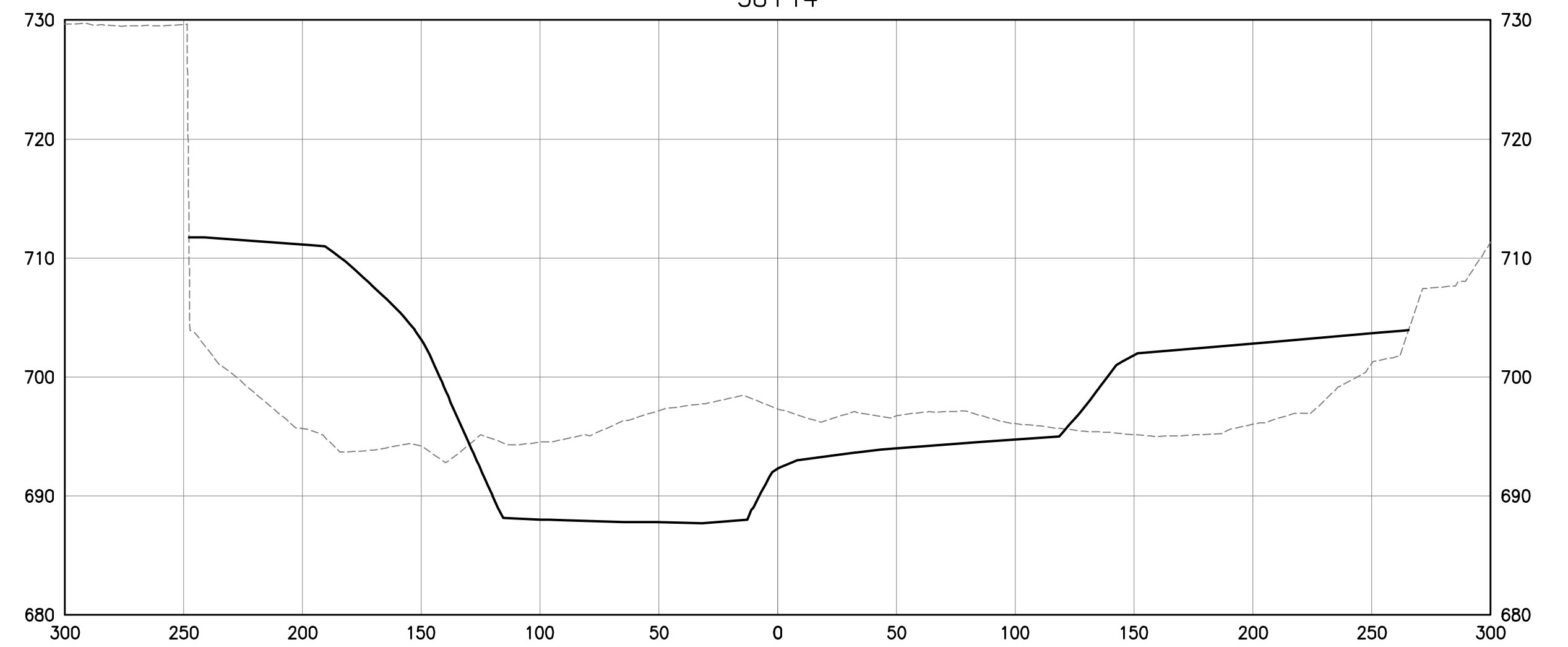
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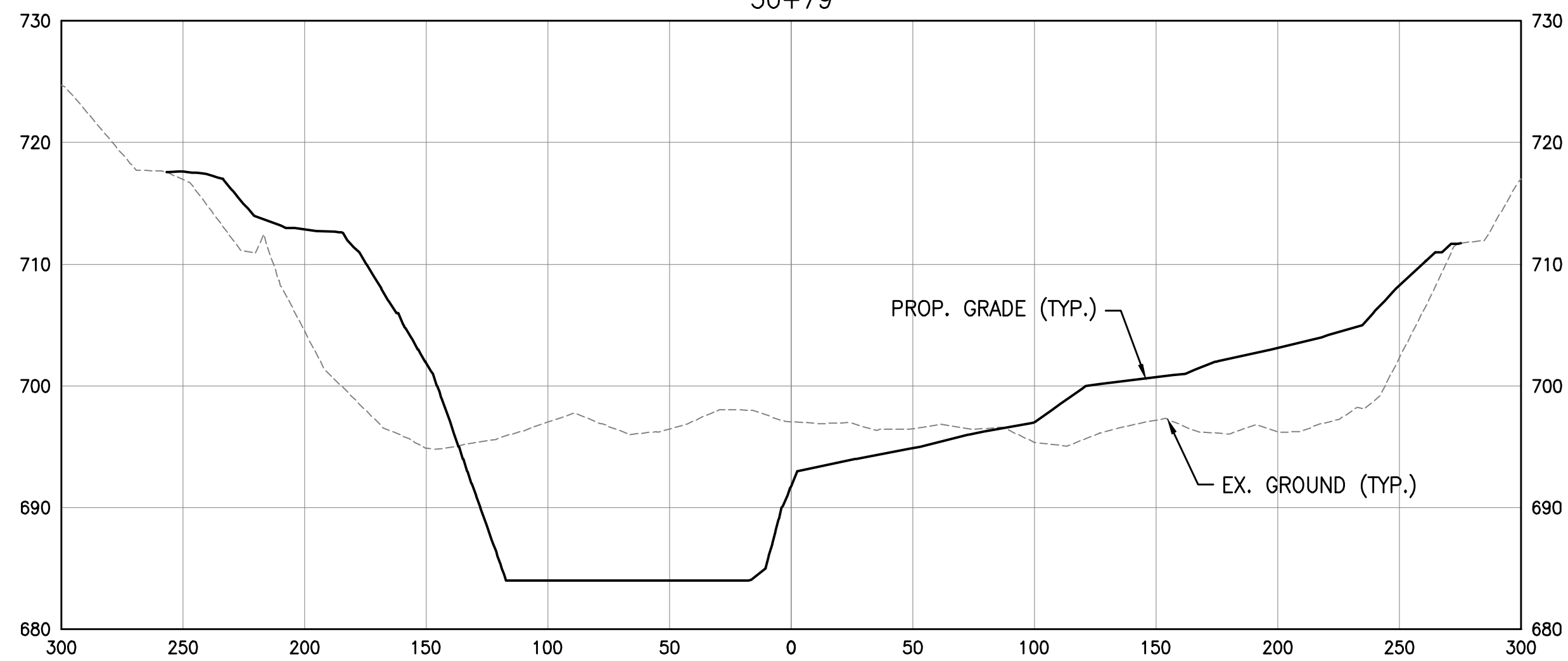
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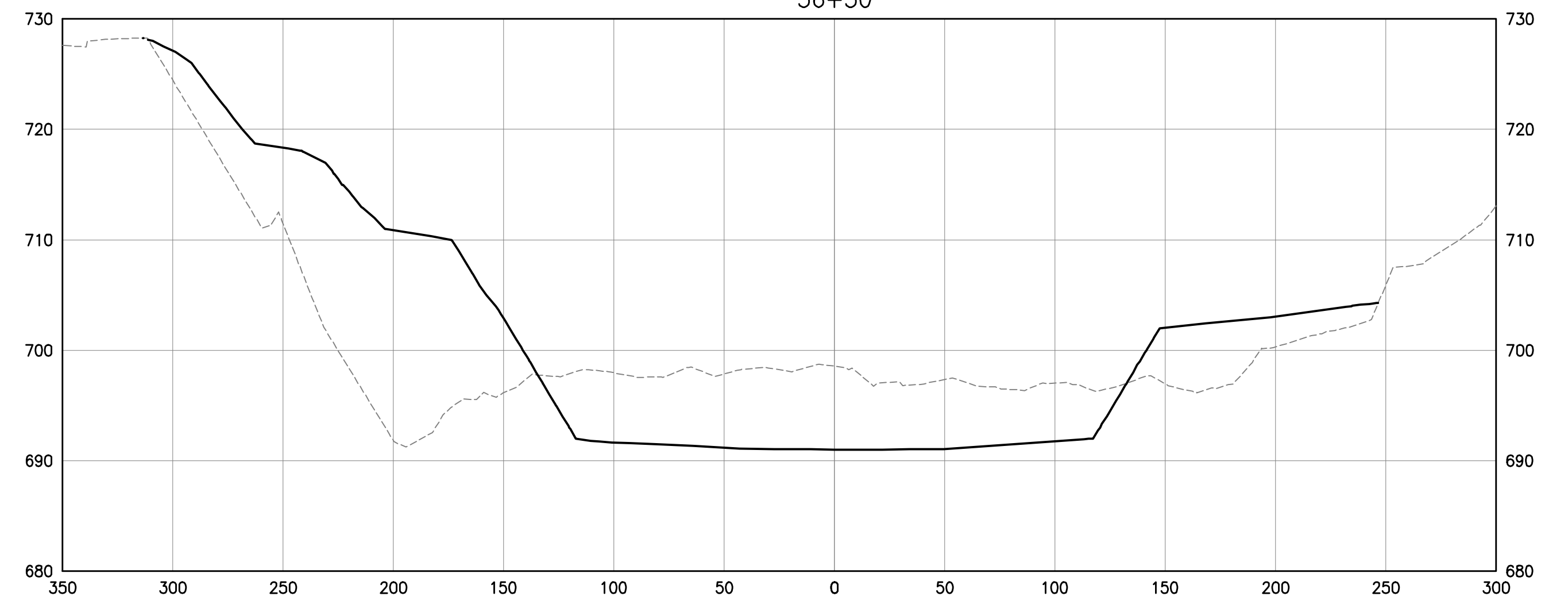
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36+50



28+44



34+25

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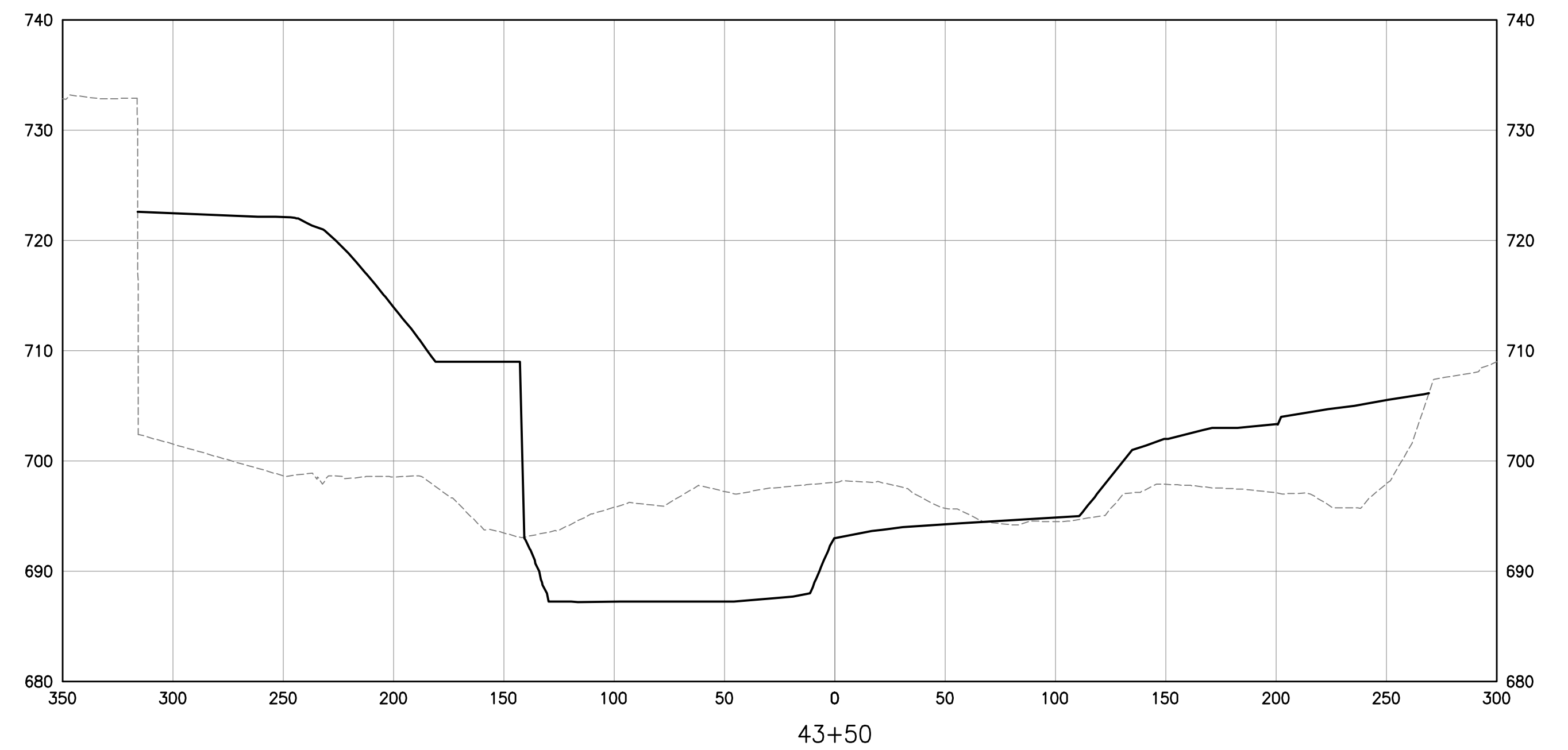
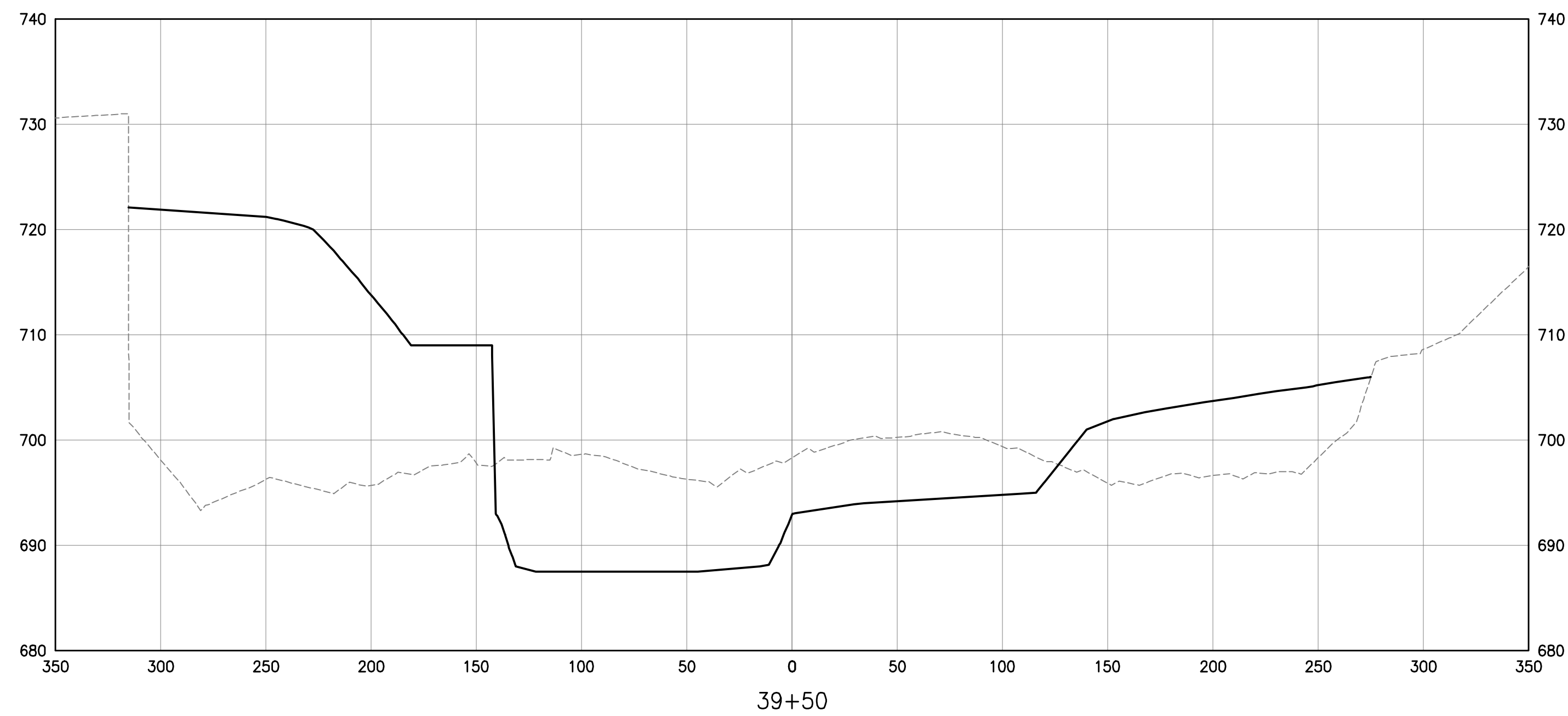
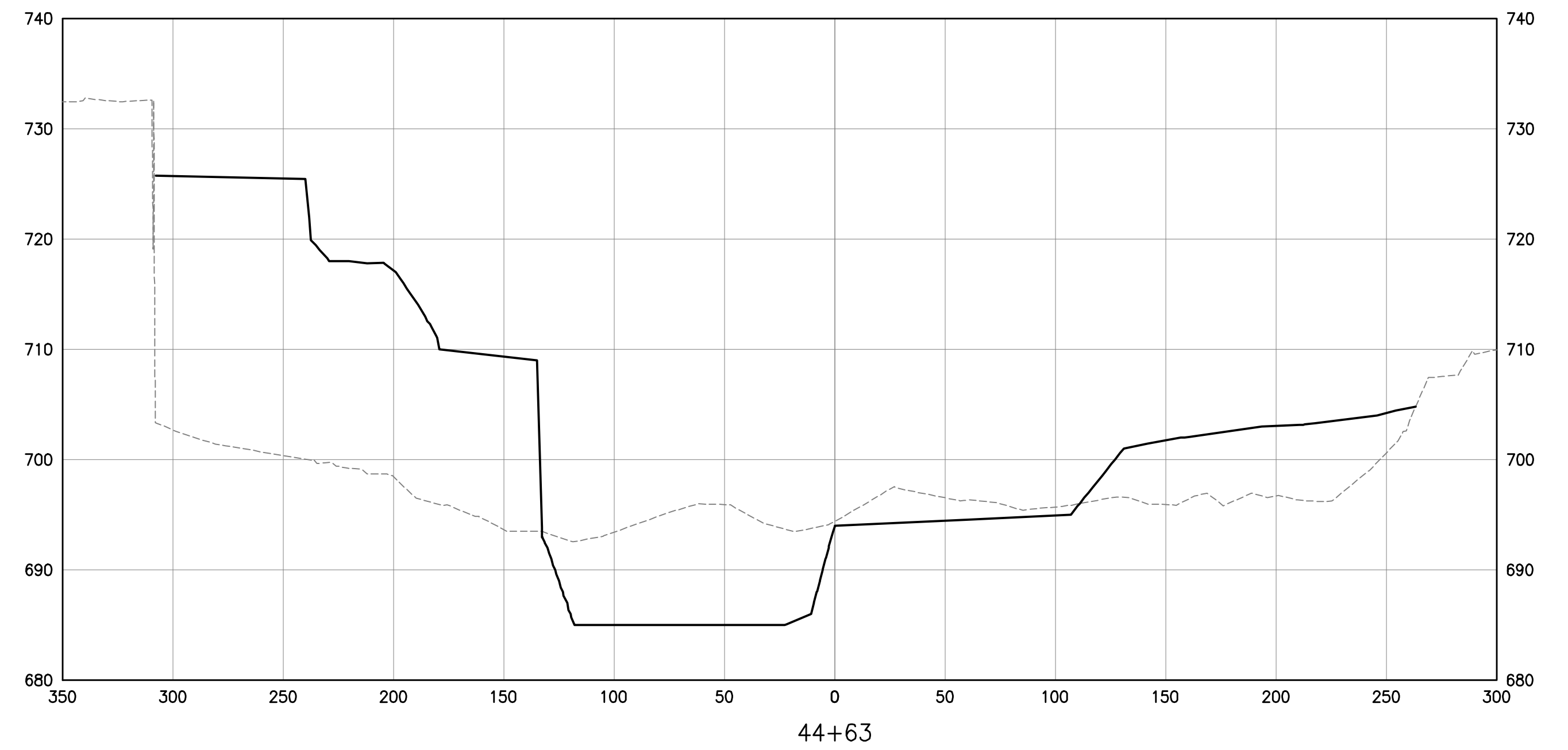
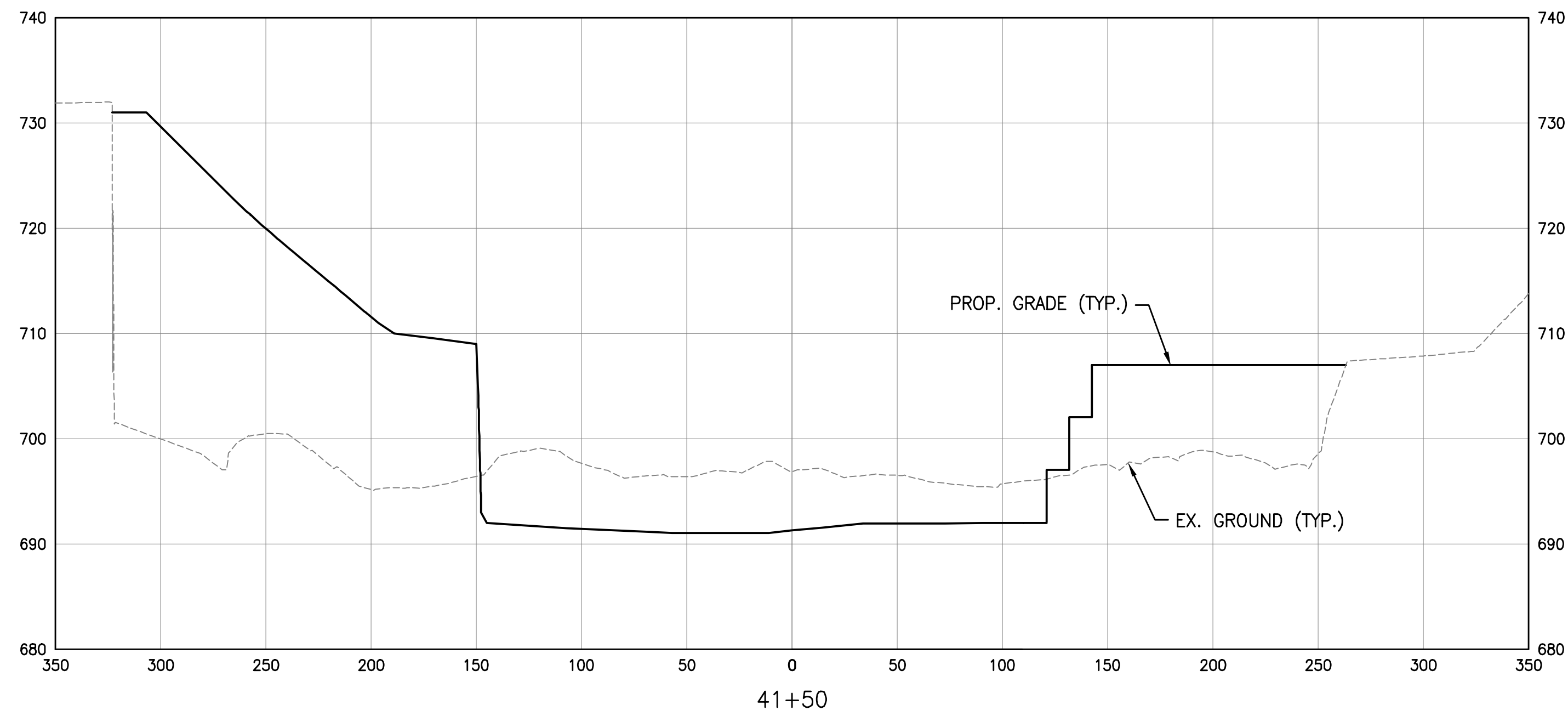
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STREAM RESTORATION CROSS SECTIONS

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INDEX DETAIL	RECORD FILE		


CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
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CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.




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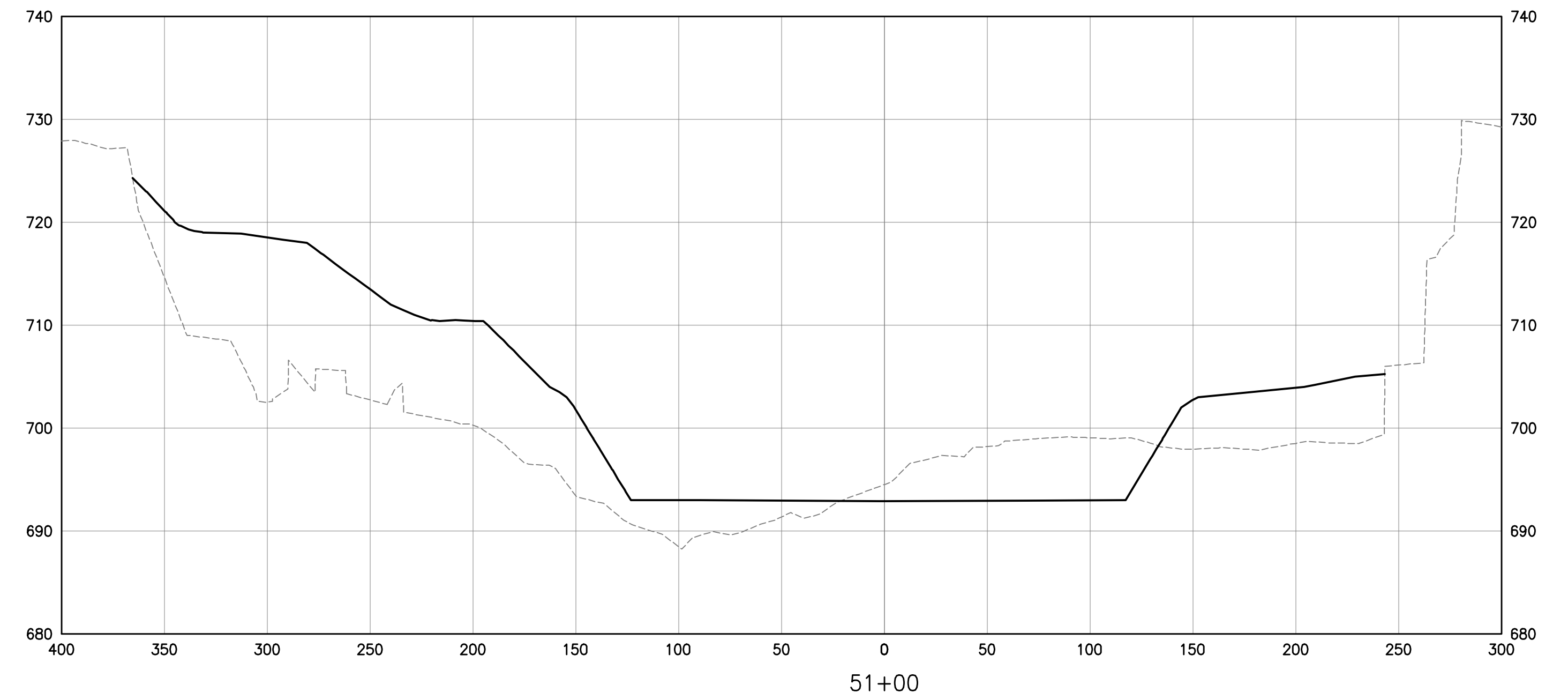
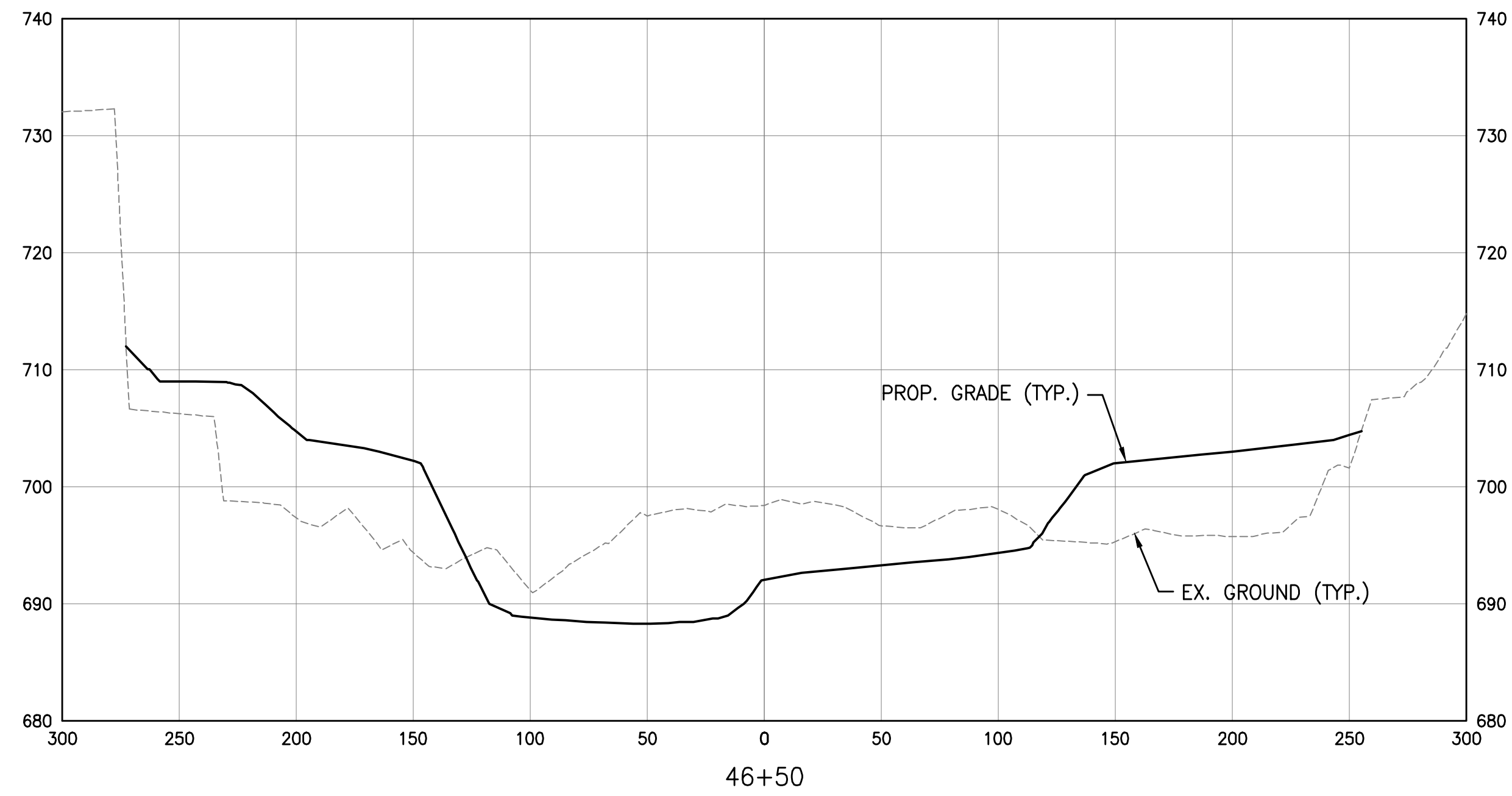
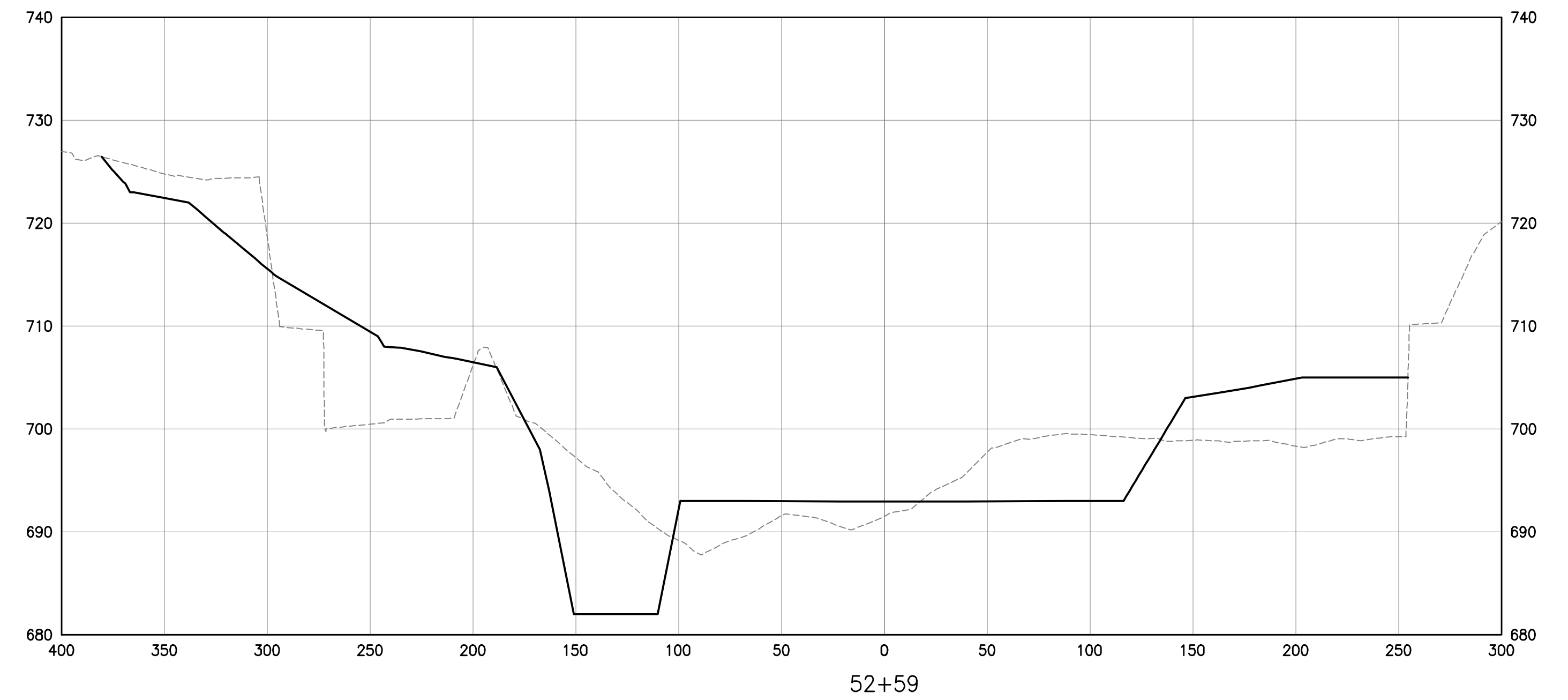
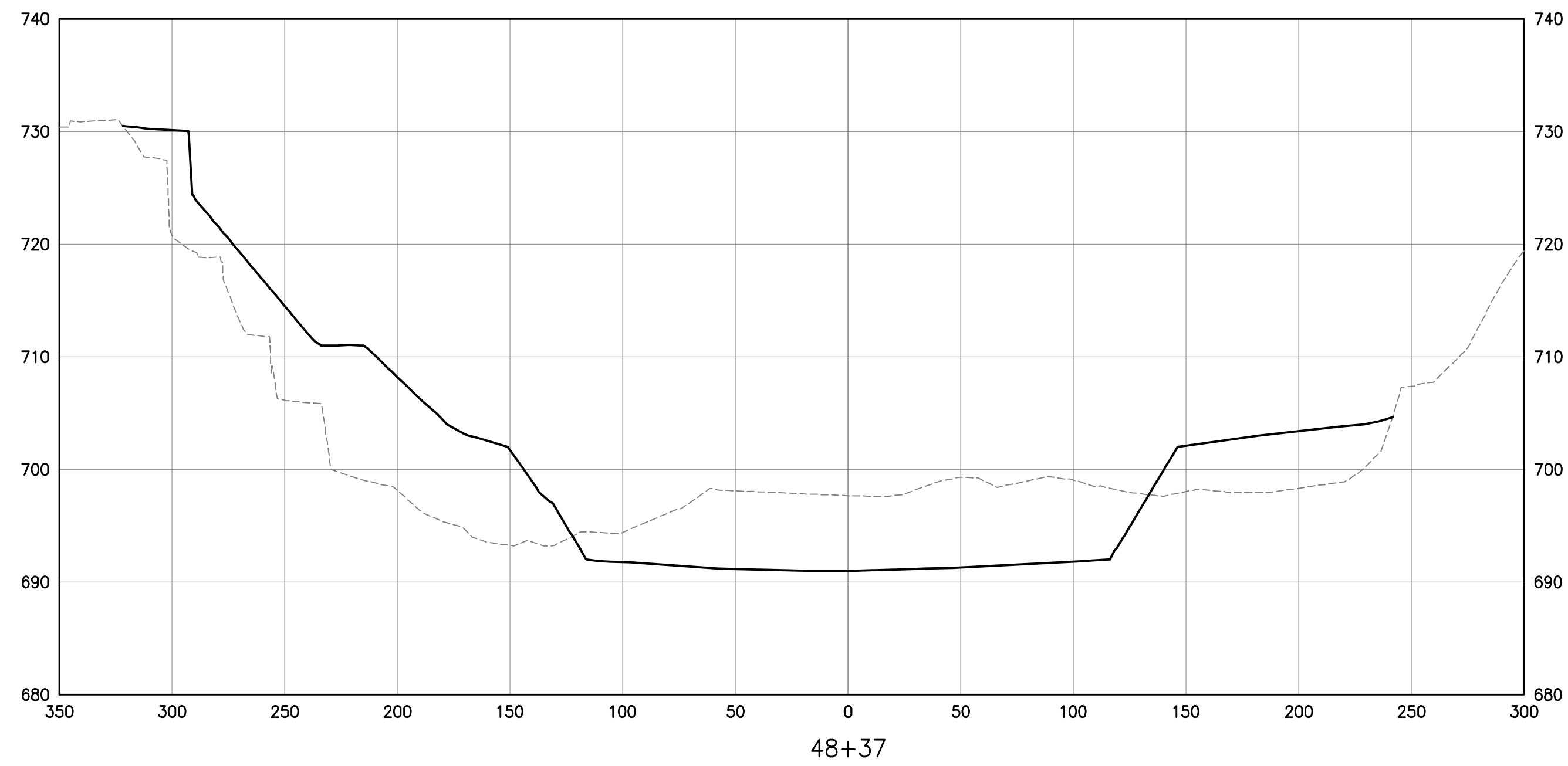
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STREAM RESTORATION CROSS SECTIONS

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SCALE: 1"=50'H 1"=10'V	SHEET: CR-112
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



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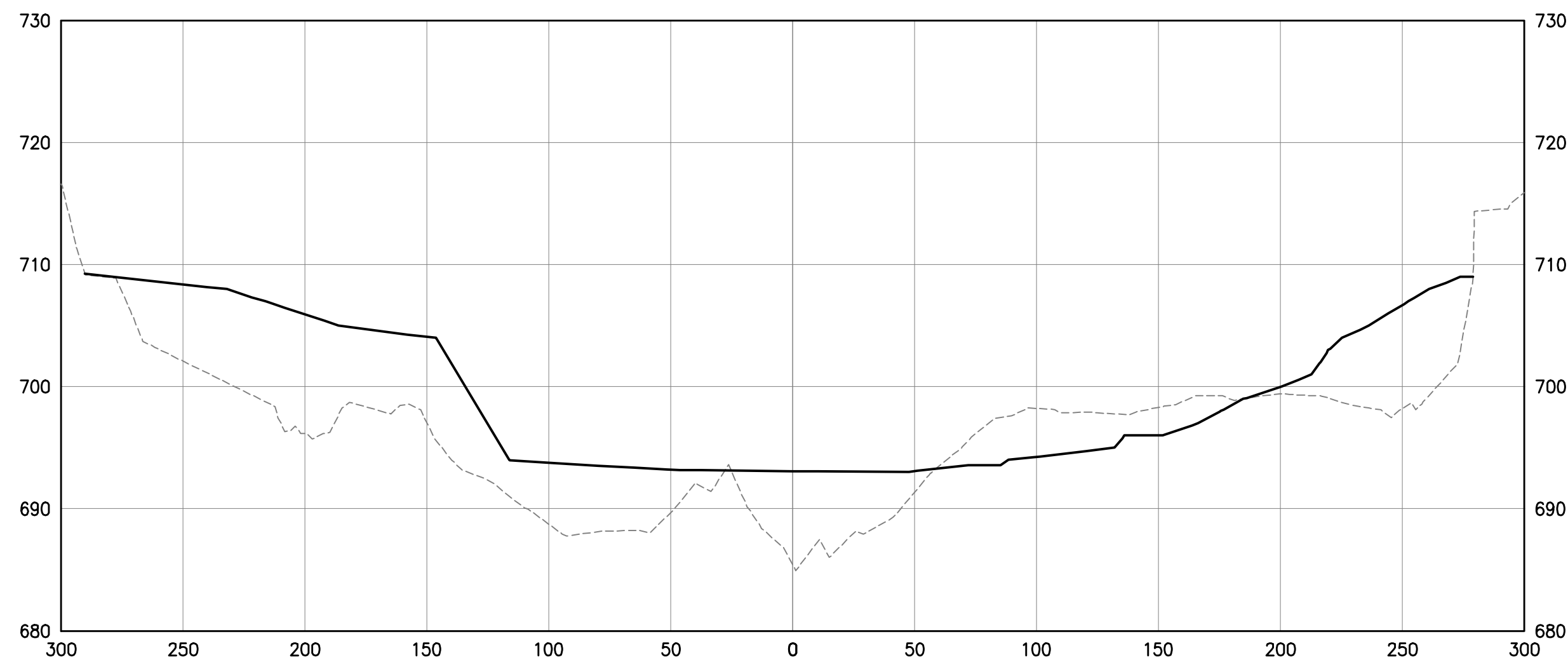
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STREAM RESTORATION CROSS SECTIONS

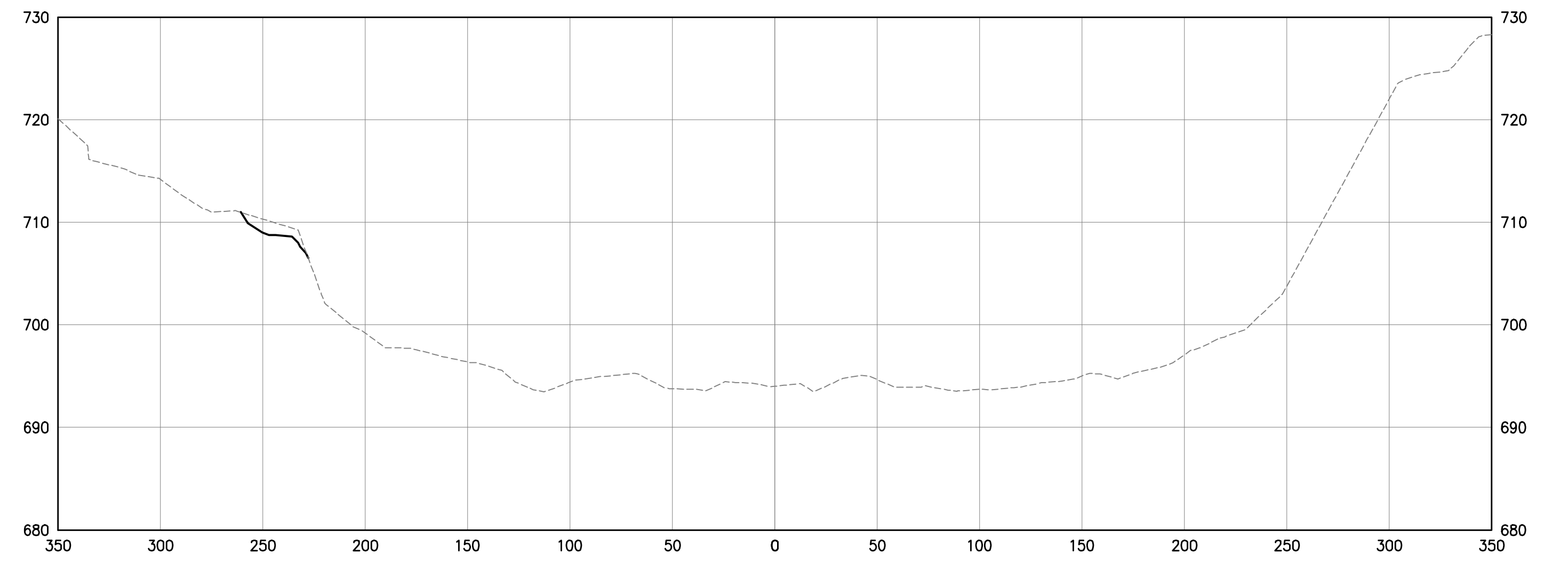
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		AGREEMENT	COMPLETED
		RPD	CKD
		CLD	CON. DR.
		INDEX DETAIL	RECORD FILE

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CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

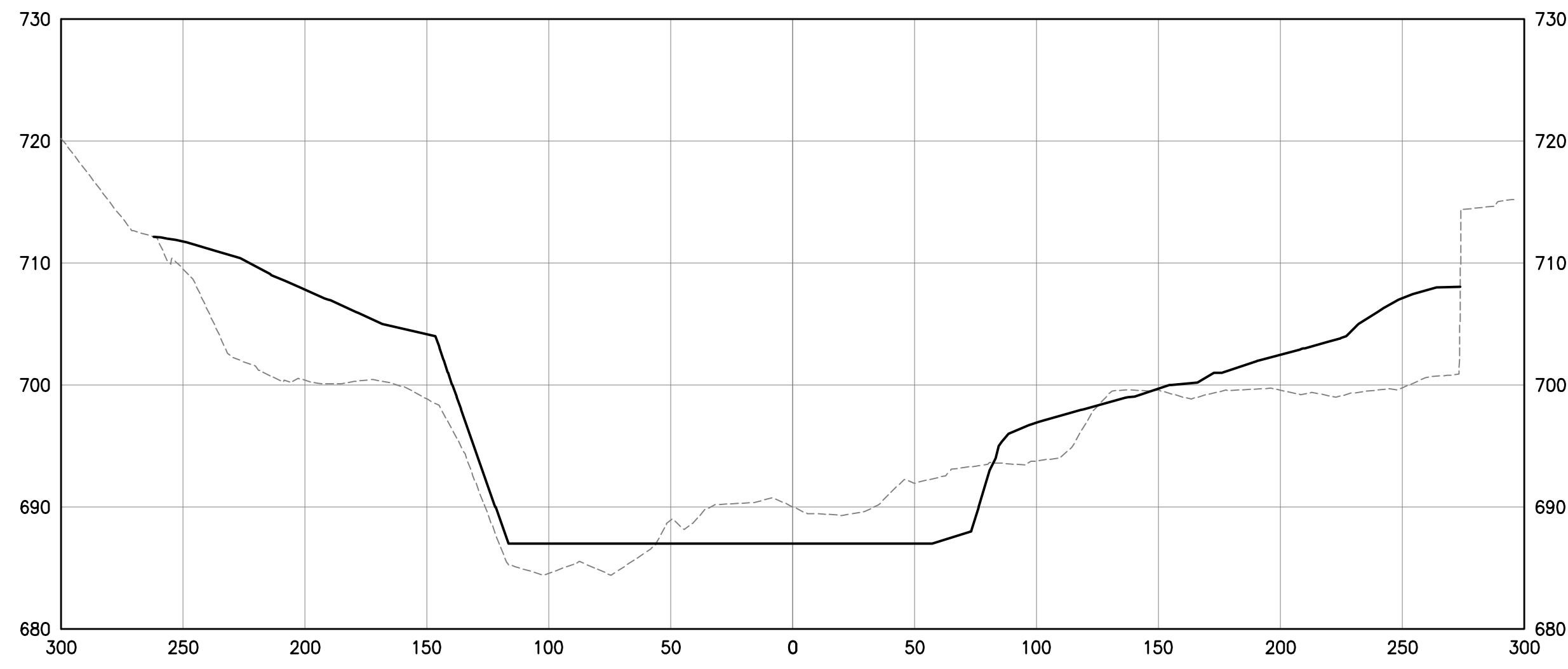
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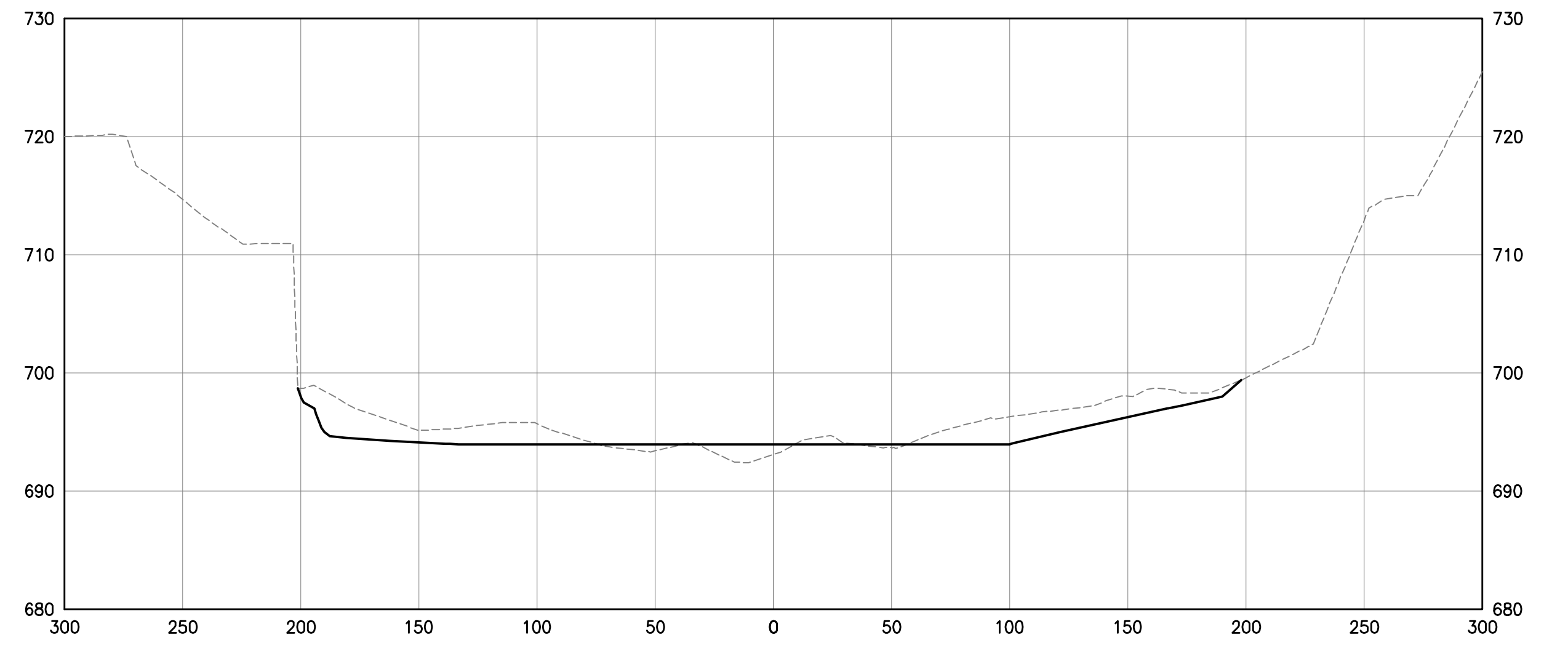
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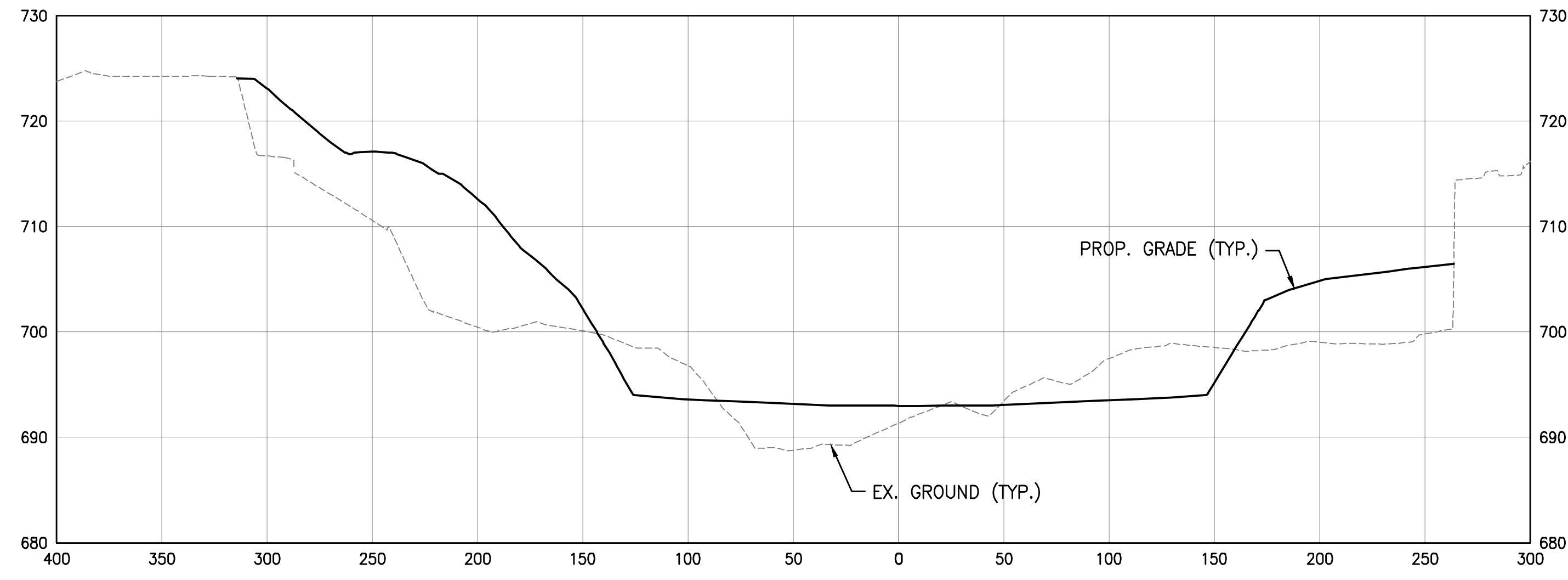
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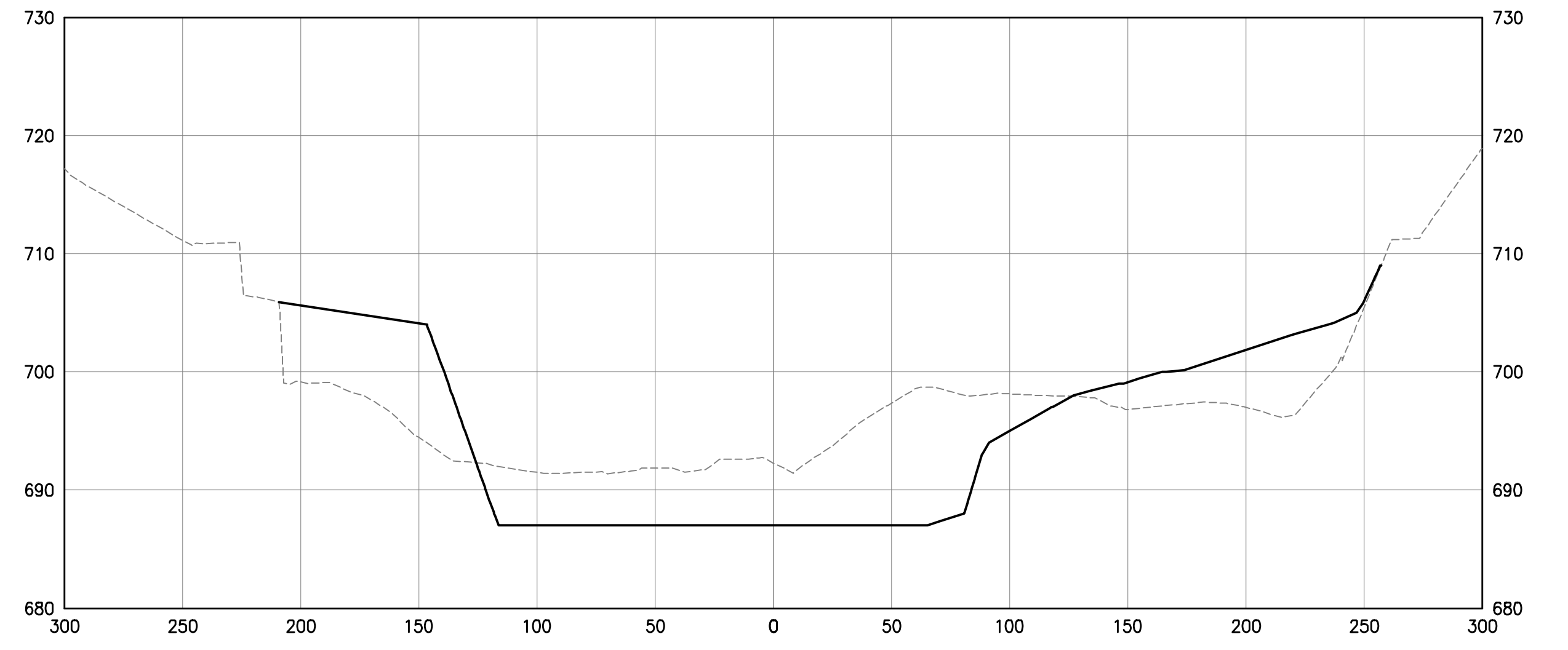
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66+06.49



54+85





63+82

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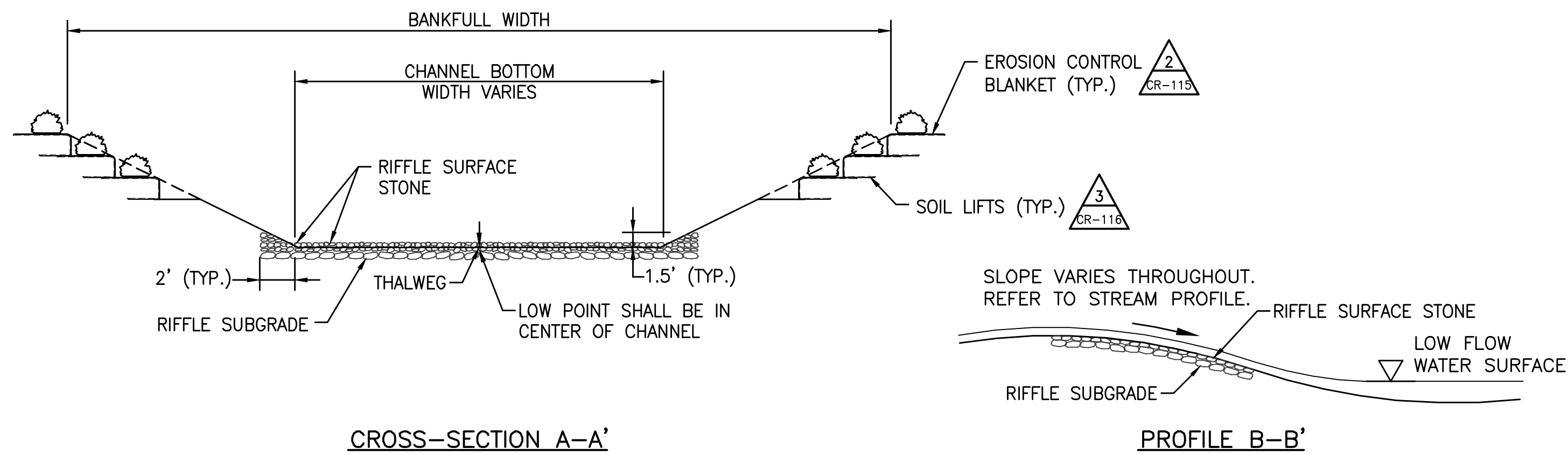
STREAM RESTORATION CROSS SECTIONS

PROJECT TITLE: COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
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		CONTRACTOR	
		INSPECTOR	

CITY OF COLUMBUS
 DEPARTMENT OF PUBLIC UTILITIES
 DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

SCALE: 1"=50' 1"=10'	SHEET: CR-114
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

RIFFLE ARMOR LOCATION TABLE									
RIFFLE #	BEGIN STATION	END STATION	BEGIN ELEVATION	END ELEVATION	SUBGRADE TYPE	SUBGRADE DEPTH	AVG. ANNUAL WATER SURFACE ELEVATION	BEGIN BANKFULL ELEVATION	END BANKFULL ELEVATION
1	21+19	27+00	689.0	690.0	C	2.5	696.8	699.5	700.5
2	30+79	34+15	690.3	691.0	C	2.5	696.8	700.8	701.5
3	48+37	54+75	691.0	693.0	C	2.5	696.8	701.5	703.5

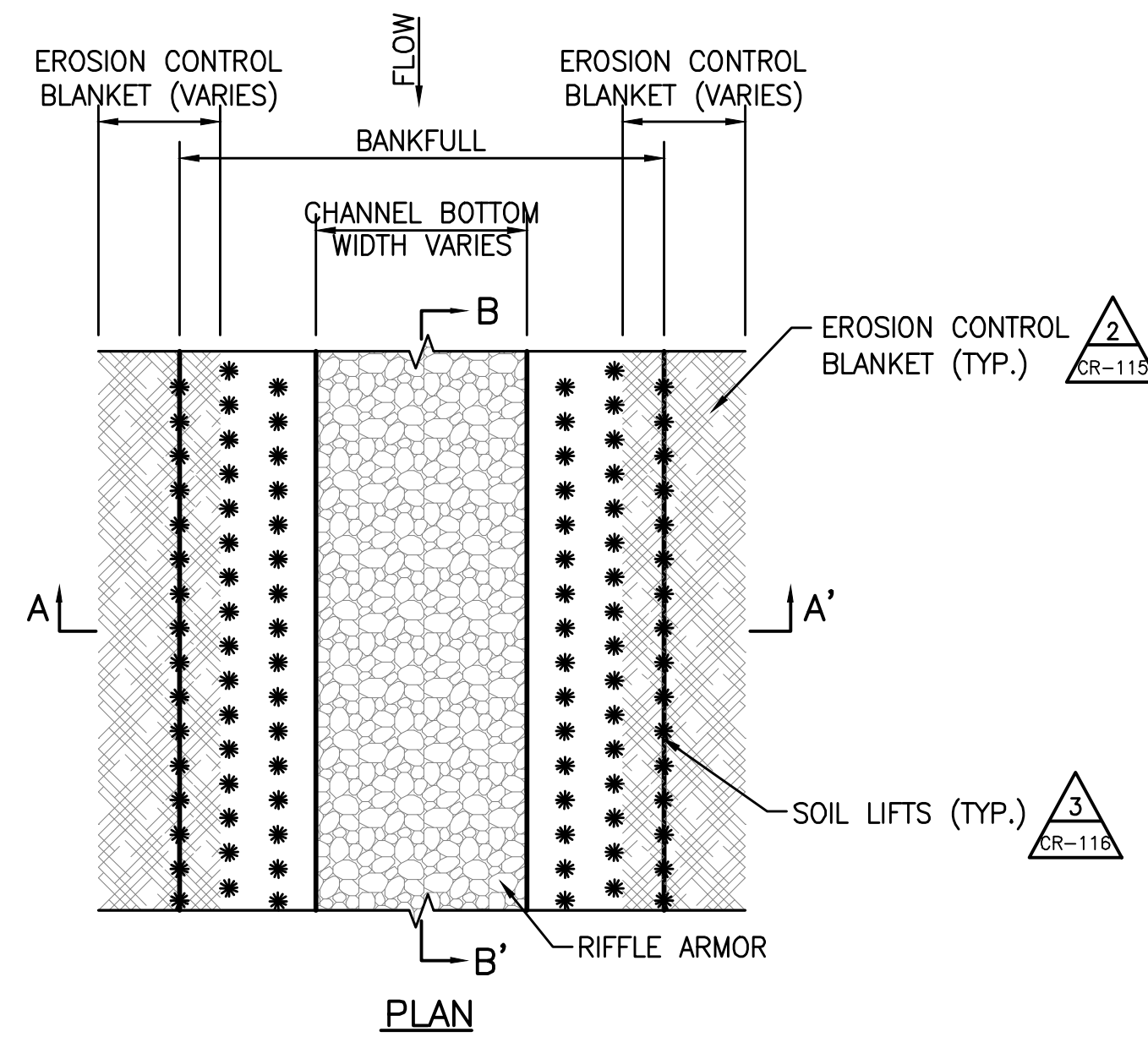


CROSS-SECTION A-A'

PROFILE B-B'

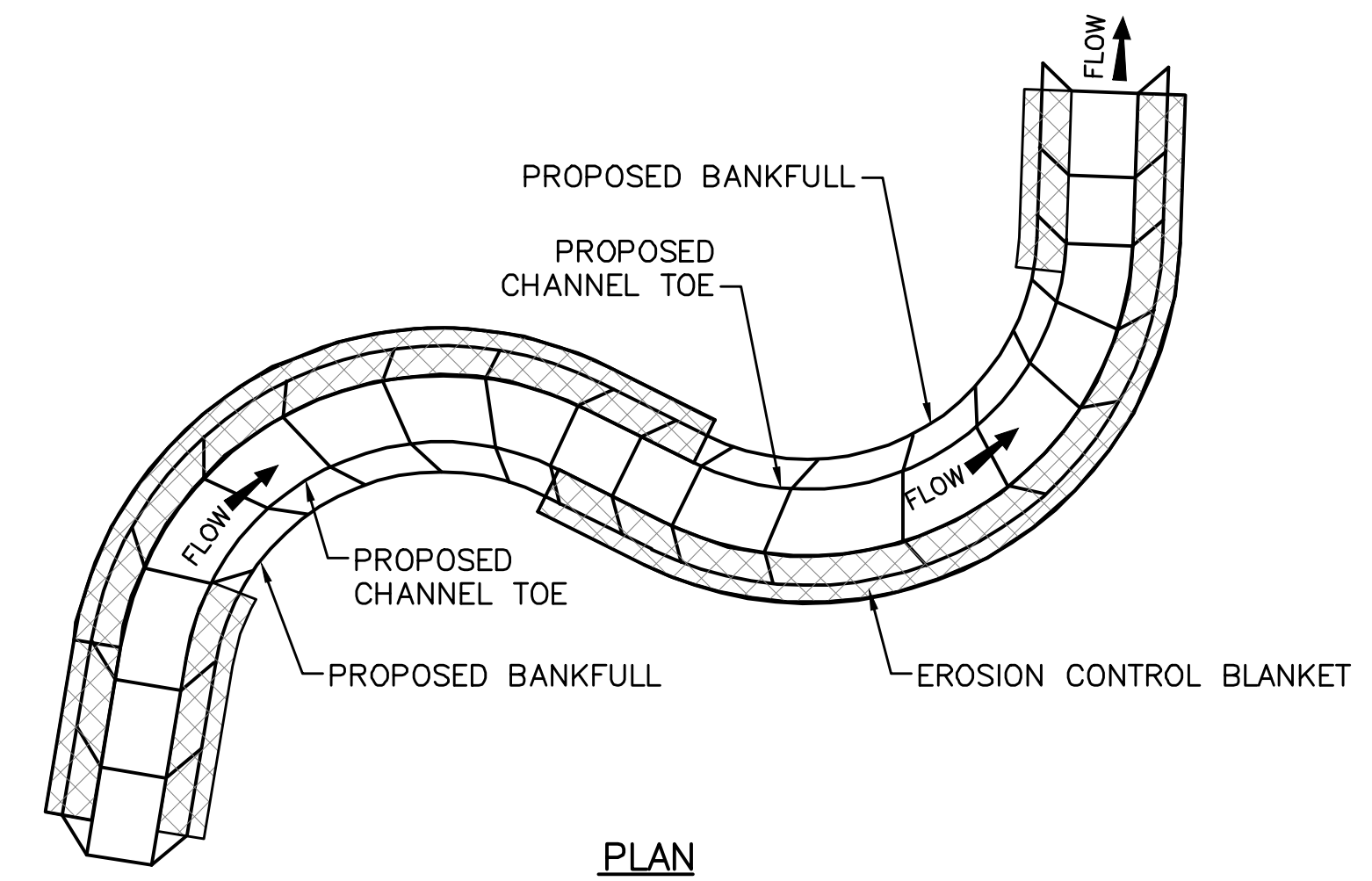
NOTES:

1. THE LOWEST POINT SHALL BE IN THE CENTER OF THE CHANNEL
2. RIFFLE SUBGRADE DEPTH SHALL BE DEPTH AS SHOWN IN TABLE. RIFFLE SURFACE STONE DEPTH SHALL BE 0.5 FT.
3. RIFFLE SUBGRADE SHALL CONSIST OF THE ODOT TYPE RIPRAP SHOWN IN THE TABLE IN THIS DETAIL AND SHALL EXTEND 2 FT. BEYOND TOE OF CHANNEL BANK
4. RIFFLE SURFACE STONE SHALL CONSIST OF RIVER RUN GRAVEL/COBBLE, APPROXIMATELY 4 IN. SIZE. GRAVEL SUBSTRATE FROM THE EXISTING CHANNEL SHALL BE STOCKPILED AND REUSED AS SURFACE STONE IN THE NEW CHANNEL WHERE FEASIBLE AND AS APPROVED BY THE ENGINEER. RIVER RUN GRAVEL/COBBLE SHALL EXTEND 2 FT. BEYOND TOE OF BANK AND 1.5 FT. ABOVE THE CHANNEL BOTTOM AS SHOWN IN A-A' OF THIS DETAIL.
5. GRAVEL SHALL BE PLACED AT EACH RIFFLE LOCATION IN ACCORDANCE WITH THE GRADES SHOWN ON THESE PLANS.
6. SOME EXCAVATION OF CHANNEL BED MATERIAL MAY BE NECESSARY PRIOR TO PLACEMENT OF RIFFLE TO ENSURE PROPER CROSS-SECTIONAL DIMENSIONS ONCE RIFFLE IS CONSTRUCTED. RE-DRESSING OF CHANNEL AND BANKS MAY BE REQUIRED FOLLOWING CONSTRUCTION OF RIFFLES AND CHANNEL AND SHALL BE ACCOUNTED FOR IN CONTRACTOR'S BID ITEM.



PLAN

1 DETAIL - RIFFLE ARMOR
CR-115 NOT TO SCALE



PLAN

NOTES:

1. PREPARE SOIL, SOW SEED AND PLACE STRAW WHERE FABRIC IS TO BE INSTALLED PRIOR TO INSTALLING EROSION CONTROL FABRIC.
2. EROSION CONTROL BLANKET SHALL CONSIST OF ECOGRO 400 GRAM/M² COIR BLANKET OR APPROVED EQUIVALENT.
3. FASTENERS SHALL BE 1"x1"x36" WOOD STAKES NOTCHED TO "HOOK" THE EROSION CONTROL BLANKET OR APPROVED EQUIVALENT, INSTALLED AT A RATE OF 4 STAKES PER SQUARE YARD. NOMINAL SPACING IS 20 INCHES PERPENDICULAR TO FLOW AND 24 INCHES PARALLEL TO FLOW. REFER TO WOOD STAKE DETAIL, SHEET CR-116.
4. FABRIC SHALL BE SECURED TO THE GROUND SUCH THAT FABRIC DOES NOT SEPARATE FROM GROUND MORE THAN 1 INCH WITH A REASONABLE TUG. ADDITIONAL FASTENERS WILL BE REQUIRED IF FABRIC FAILS THIS PULL TEST.
5. OVERLAP BETWEEN ADJACENT RUNS OF FABRIC SHALL BE A MINIMUM OF 6 INCHES. FABRIC SHALL OVERLAP IN THE DOWNSTREAM DIRECTION PARALLEL TO FLOW AND DOWN-SLOPE PERPENDICULAR TO FLOW.
6. TERMINAL ENDS OF FABRIC SHALL BE SECURED BY FASTENERS SPACED 6 INCHES APART.
7. WHERE BANK STABILITY TREATMENTS ARE NOT CALLED OUT ON THE PLANS, EROSION CONTROL BLANKET SHALL BE PLACED ALONG THE OUTSIDE OF ALL BENDS AND ALONG BOTH SIDES OF THE CHANNEL IN RIFFLE AREAS.
8. EROSION CONTROL BLANKET SHALL EXTEND 5 FEET BEYOND BANKFULL AT ALL LOCATIONS.
9. AT RIFFLE FEATURES, BLANKET SHALL EXTEND TO THE ROCK/SOIL INTERFACE NEAR THE TOE OF THE BANK, OR A MINIMUM OF 6 INCHES BELOW THE LOW-FLOW WATER SURFACE, WHICHEVER IS MORE LIMITING.
10. AT POOL FEATURES, BLANKET SHALL EXTEND A MINIMUM OF 6 INCHES BELOW THE LOW-FLOW WATER SURFACE.

2 DETAIL - EROSION CONTROL BLANKET
CR-115 NOT TO SCALE

EASEMENT REFERENCE			REVISIONS			
CITY NO.	COUNTY RECORDER VOL.	PAGE	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE

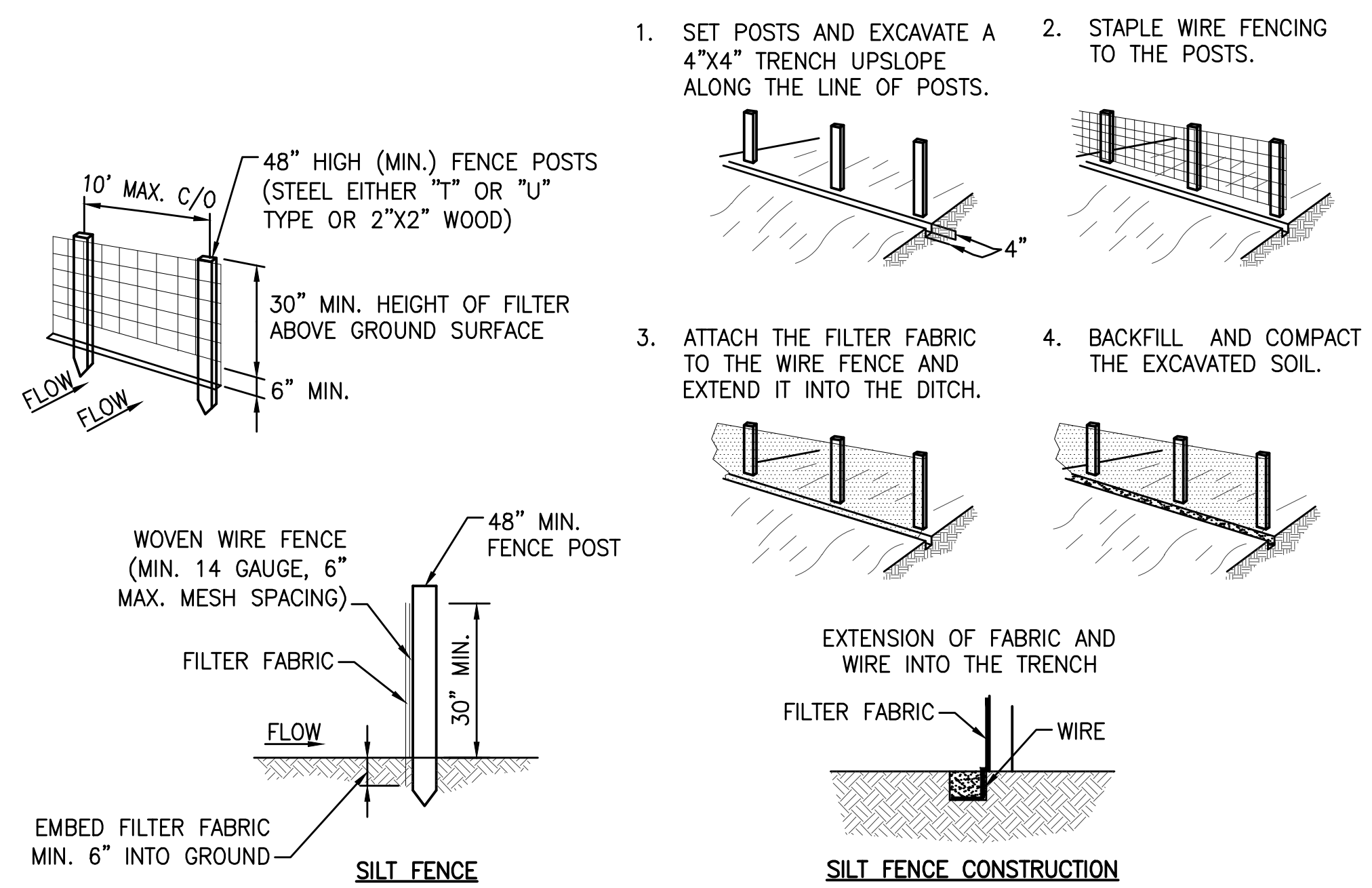
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STREAM RESTORATION DETAILS

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INDEX DETAIL	RECORD FILE				

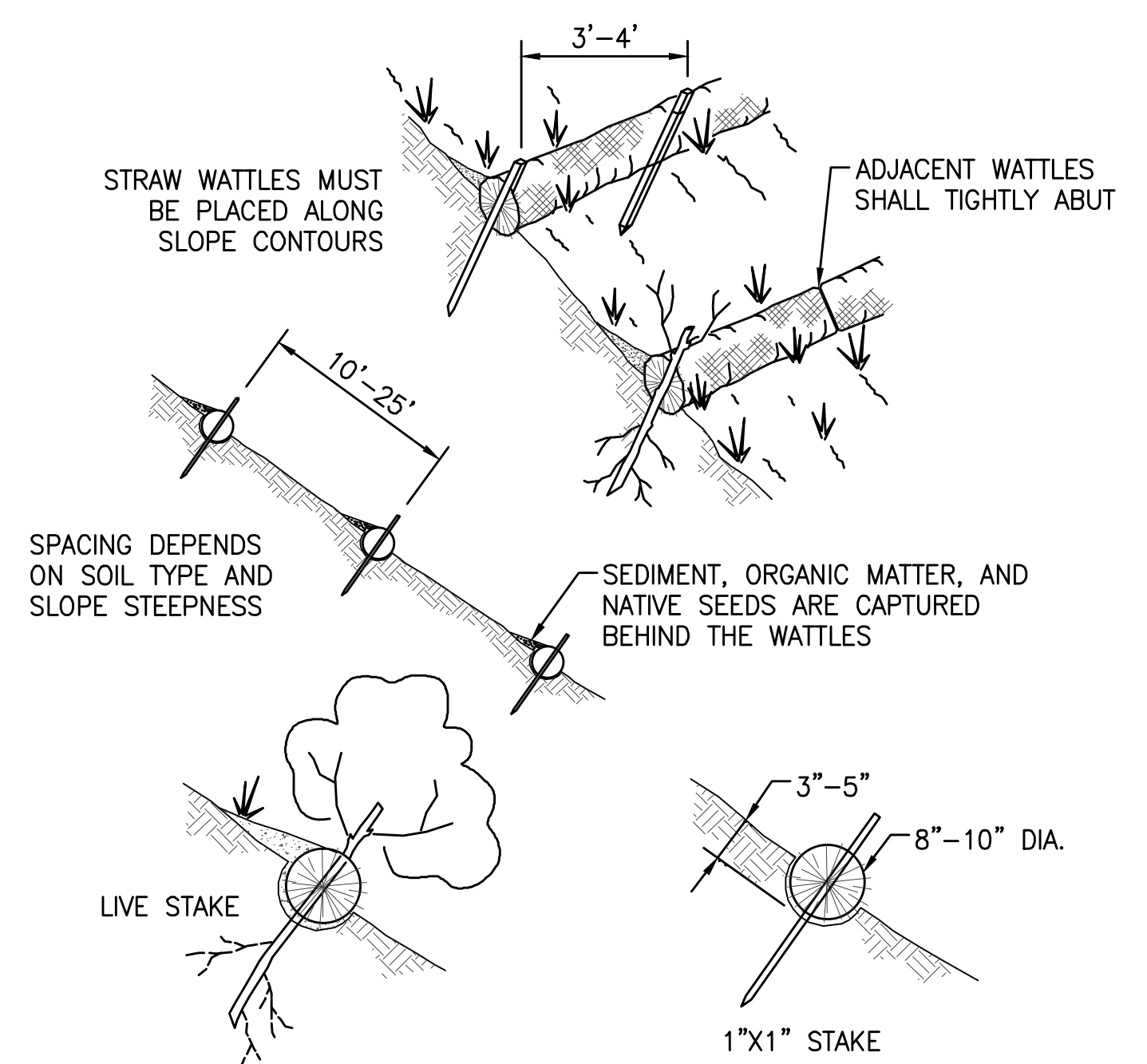
CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: NONE	SHEET: CR-115
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



1. SET POSTS AND EXCAVATE A 4"x4" TRENCH UPSLOPE ALONG THE LINE OF POSTS.
2. STAPLE WIRE FENCING TO THE POSTS.
3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE DITCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.

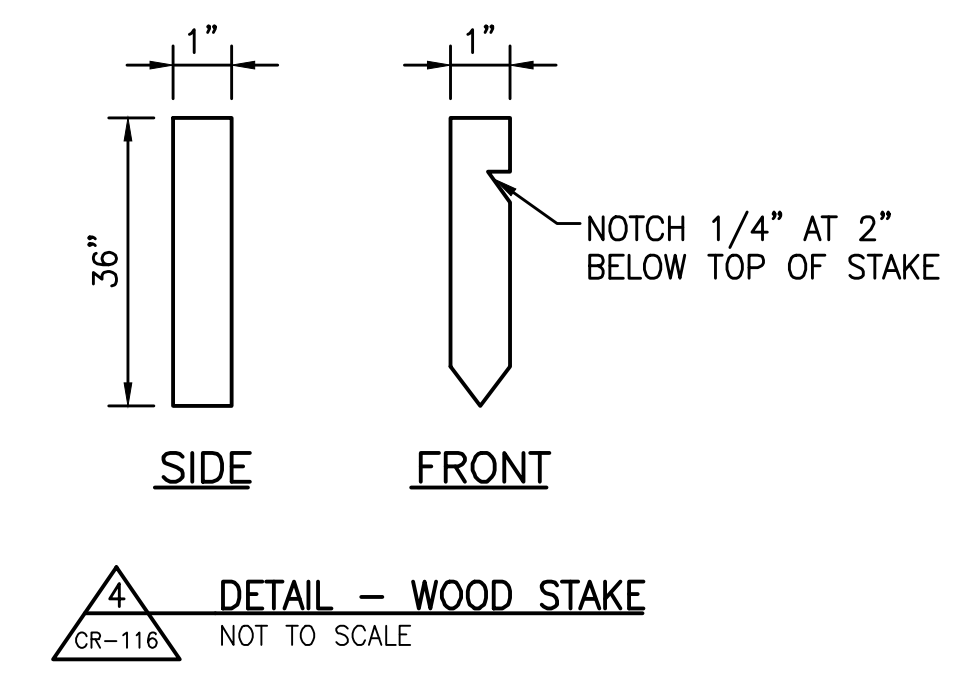
NOTE:
 1. SILT FENCES SHALL CONSIST OF FILTER FABRIC AND WOODEN LATHS FENCES SHALL BE PLACED DOWNGRADIENT OF CONSTRUCTION AREAS, AS NECESSARY TO CONTROL SEDIMENT AND MINIMIZE EROSION UNTIL VEGETATION IS ESTABLISHED. ALL SILT FENCING IS TO BE IN PLACE PRIOR TO ANY CONSTRUCTION. EXTRA STRENGTH FILTER FABRIC (50 LBS./LIN.IN.MIN.) MAY BE USED IN LIEU OF THE STANDARD STRENGTH (30 LBS./LIN.IN.MIN.) FILTER FABRIC AND THE 14 GAUGE WOVEN WIRE FENCE COMBINATION.

DETAIL - SILT FENCE
 CR-116 NOT TO SCALE

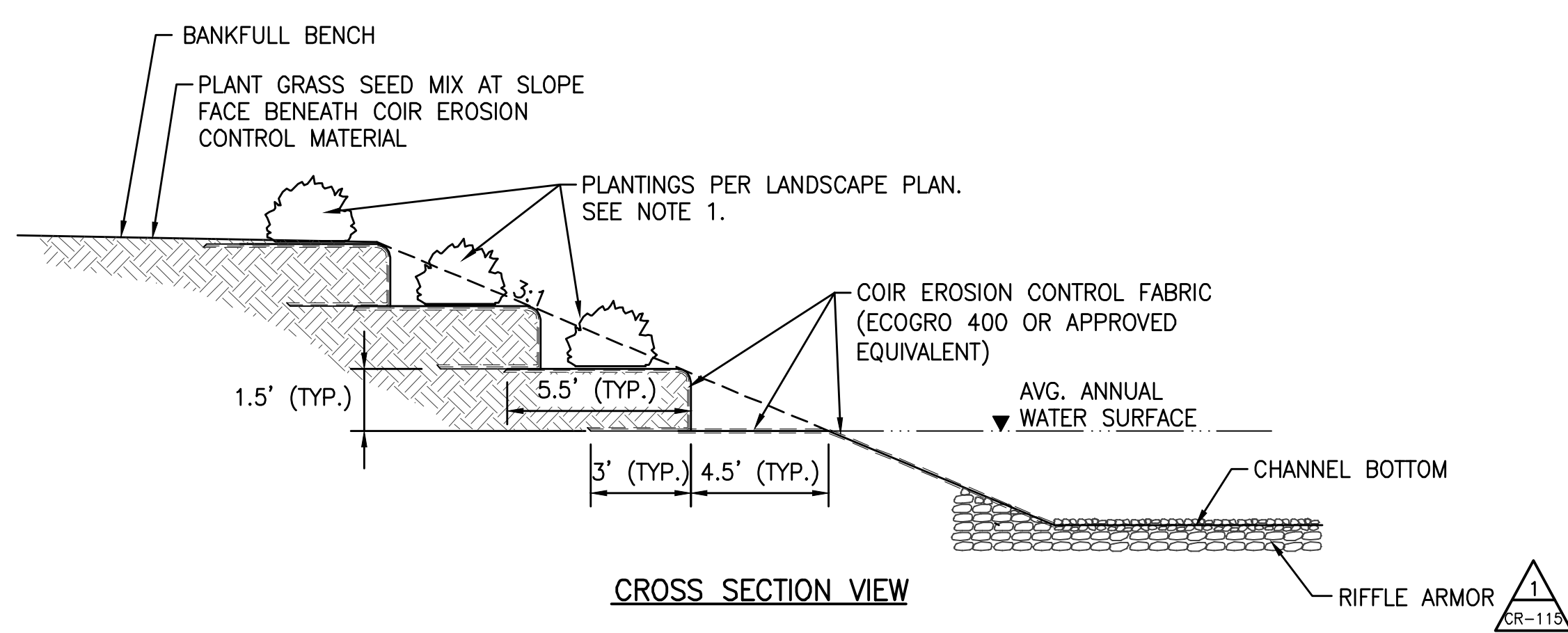


NOTE:
 1. STRAW WATTLE INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE WATTLE IN A TRENCH, 3"-5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND WATTLE.

DETAIL - STRAW WATTLE (ALTERNATE TO SILT FENCE)
 CR-116 NOT TO SCALE



DETAIL - WOOD STAKE
 CR-116 NOT TO SCALE



DETAIL - SOIL LIFTS
 CR-116 NOT TO SCALE

NOTES:

1. PLANTINGS SHALL BE PER THE LANDSCAPE PLAN. SEE PLANS TITLED "SCIOTO GREENWAYS SITE IMPROVEMENTS" PREPARED BY MKSK.
2. CONSTRUCT SOIL LIFTS WITH WOODY TRANSPLANTS BY FIRST SHAPING THE BANKFULL CHANNEL TO THE GRADES SPECIFIED.
3. SOIL LIFTS SHALL BEGIN AT THE AVERAGE ANNUAL WATER SURFACE
4. VERIFY A MINIMUM OF 3 INCHES OF SOIL IS PLACED OVER THE SURFACE OF THE EXTENDED RIFLE ARMOR FROM THE SLOPE FACE TO 3 FEET AWAY FROM THE CHANNEL.
5. PLACE A 10 FOOT WIDE STRIP OF EROSION CONTROL BLANKET ALONG THE SURFACE WITH THE OUTER EDGE LYING 3 FEET BEYOND THE PROPOSED TOE OF SLOPE. BACKFILL OVER THE OUTSIDE 3 FEET WITH SOIL. SOIL LAYERS SHALL BE 1.5 FEET IN HEIGHT AND BE PLACED IN LIFTS OF 6 INCHES WITH EACH LIFT COMPACTED USING THE EXCAVATOR BUCKET. SEED THE FACE OF THE SOIL LAYER AS PER THE LANDSCAPE PLAN. WRAP THE REMAINING BLANKET OVER THE SOIL LAYER AND PLACE 1"x1"x36" WOOD STAKES THROUGH THE BLANKET AND SOIL LAYER. STAKES SHOULD BE NOTCHED TO "HOOK" THE EROSION CONTROL BLANKET AND SHALL BE PLACED AT A RATE OF 1 PER LINEAR FOOT OF BANK. REFER TO WOOD STAKE DETAIL, SHEET CR-116.
6. REPEAT STEP 5 UNTIL BANKFULL ELEVATION IS REACHED. EACH SOIL LAYER SHOULD BE OFFSET BACK FROM THE PREVIOUS LAYER TO CREATE A FLAT TERRACE. AT BANKFULL ELEVATION, SEED PER THE LANDSCAPE PLAN AND EXTEND EROSION CONTROL BLANKET A MINIMUM OF 6 FEET FROM THE TOP OF BANK. THIS MAY REQUIRE AN ADDITIONAL ROLL OF FABRIC. SLIGHTLY BURY THE OUTERMOST EDGE OF THE BLANKET AND SECURE WITH NOTCHED 1"x1"x36" WOOD STAKES AT A RATE OF 1 PER LINEAR FOOT OF BANK.
7. INSTALL PLANTINGS PER THE LANDSCAPE PLAN ON EACH TERRACE. CUT THE MINIMUM AMOUNT OF EROSION CONTROL BLANKET NECESSARY TO INSTALL THE PLANTINGS.

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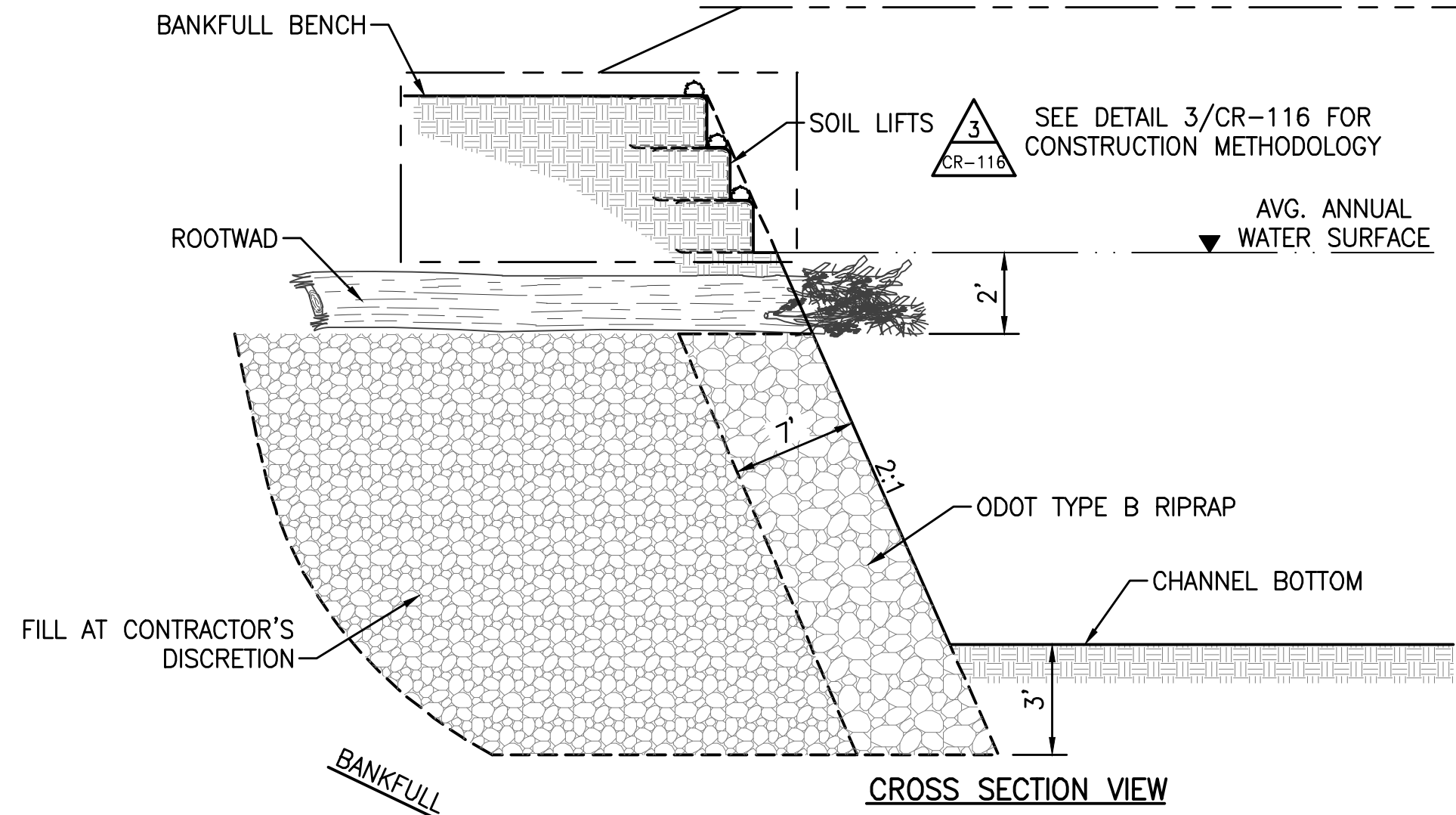
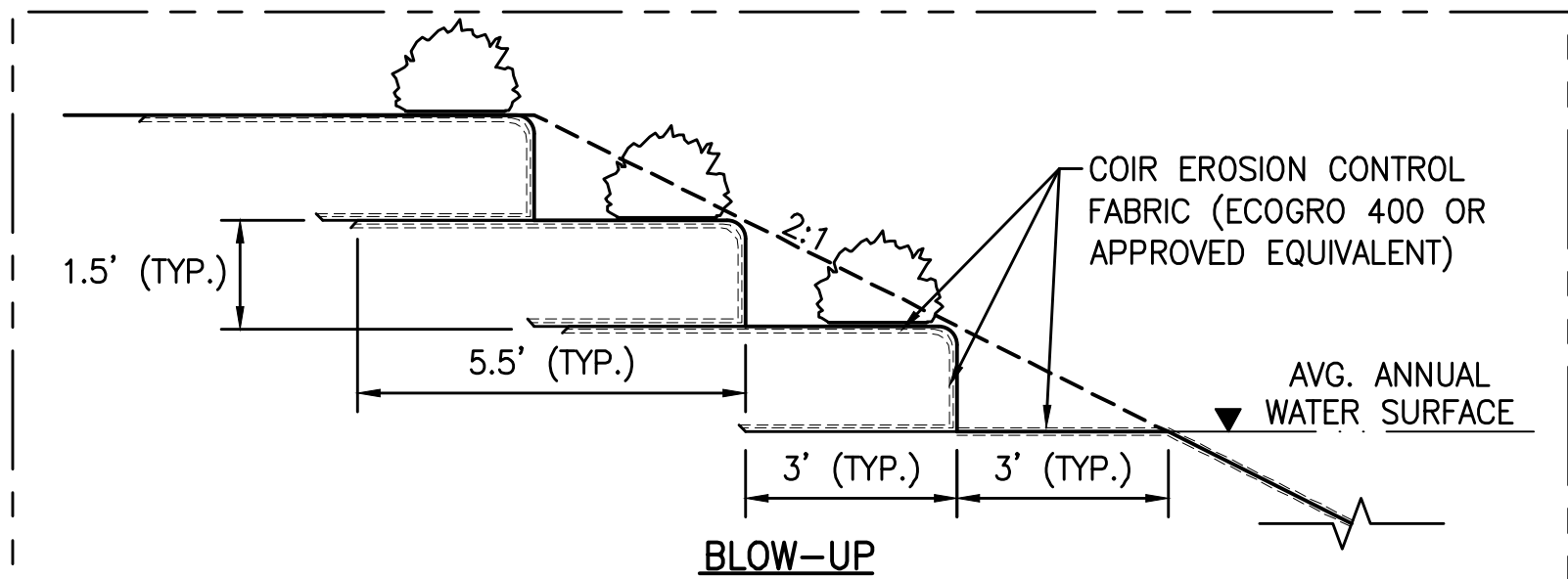
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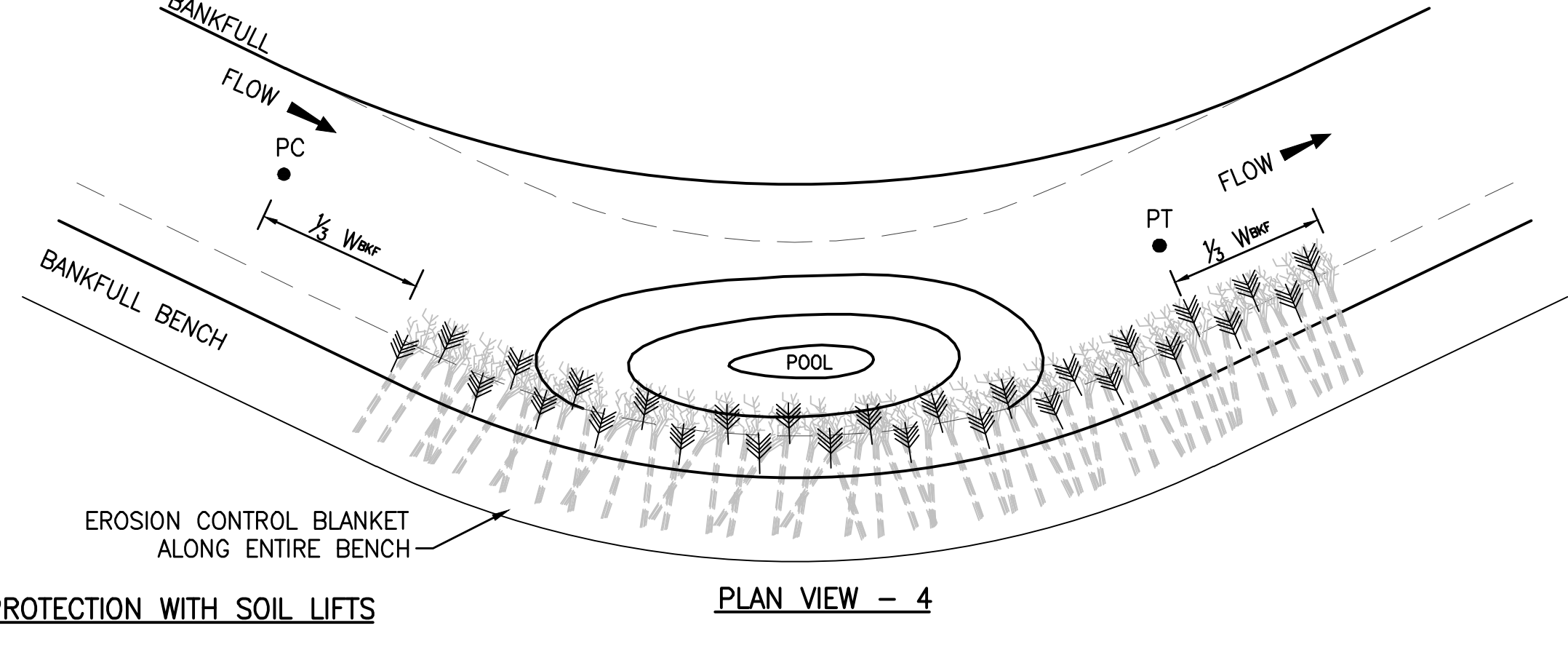
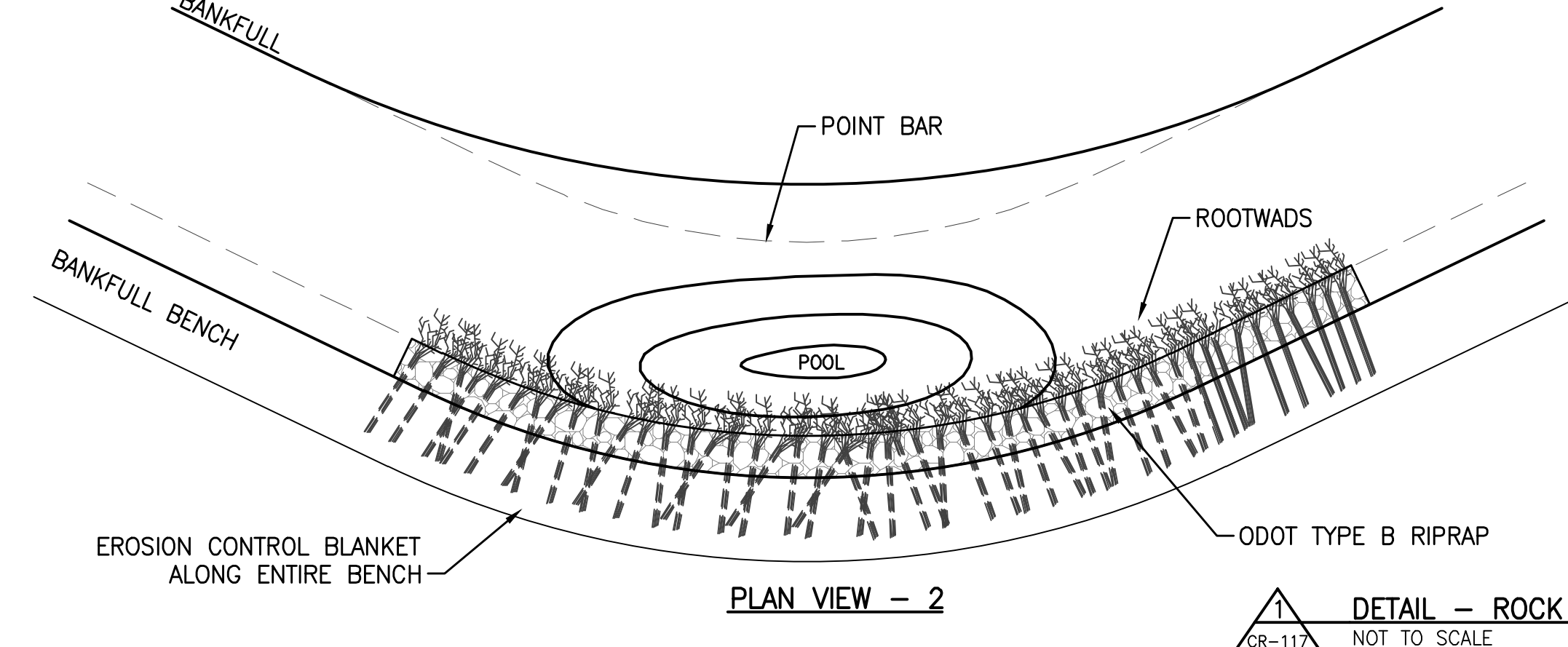
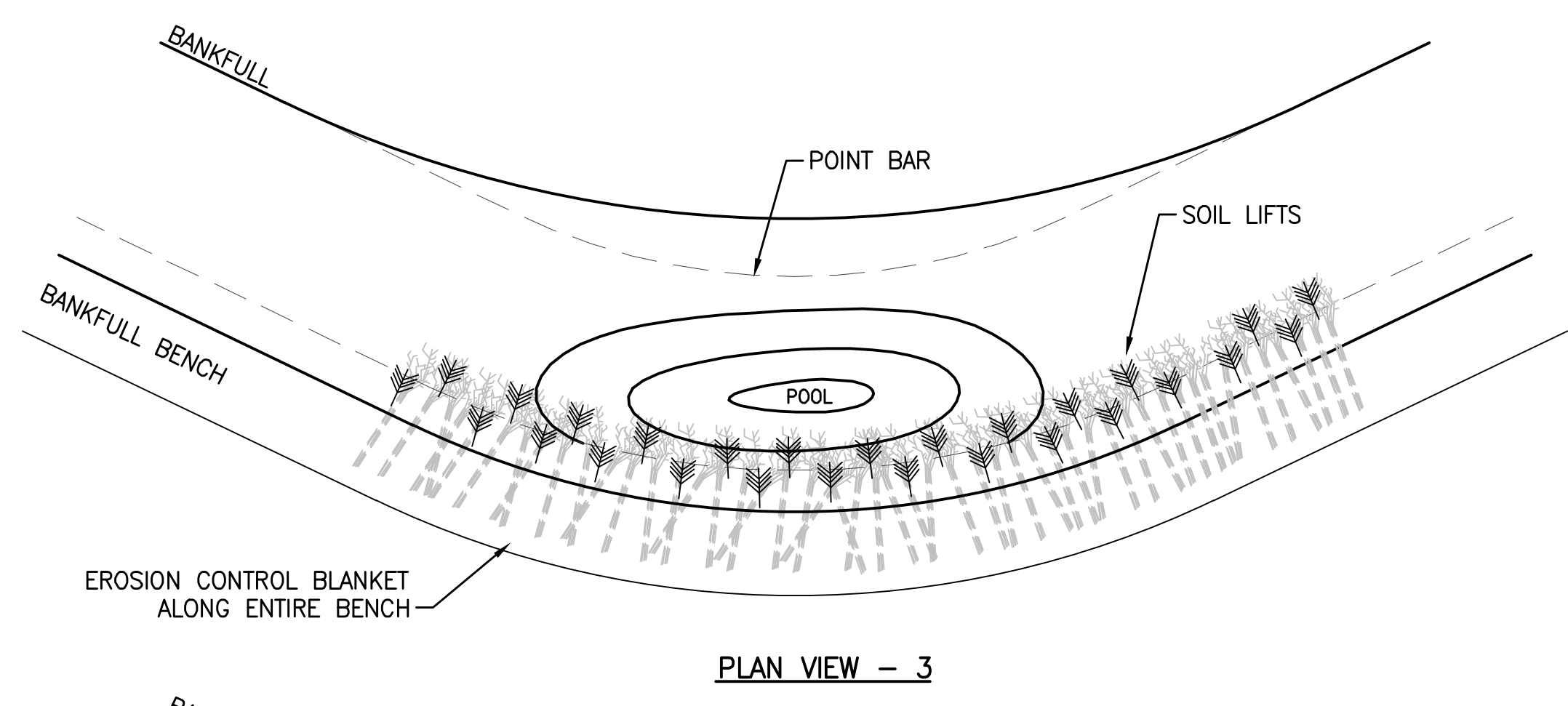
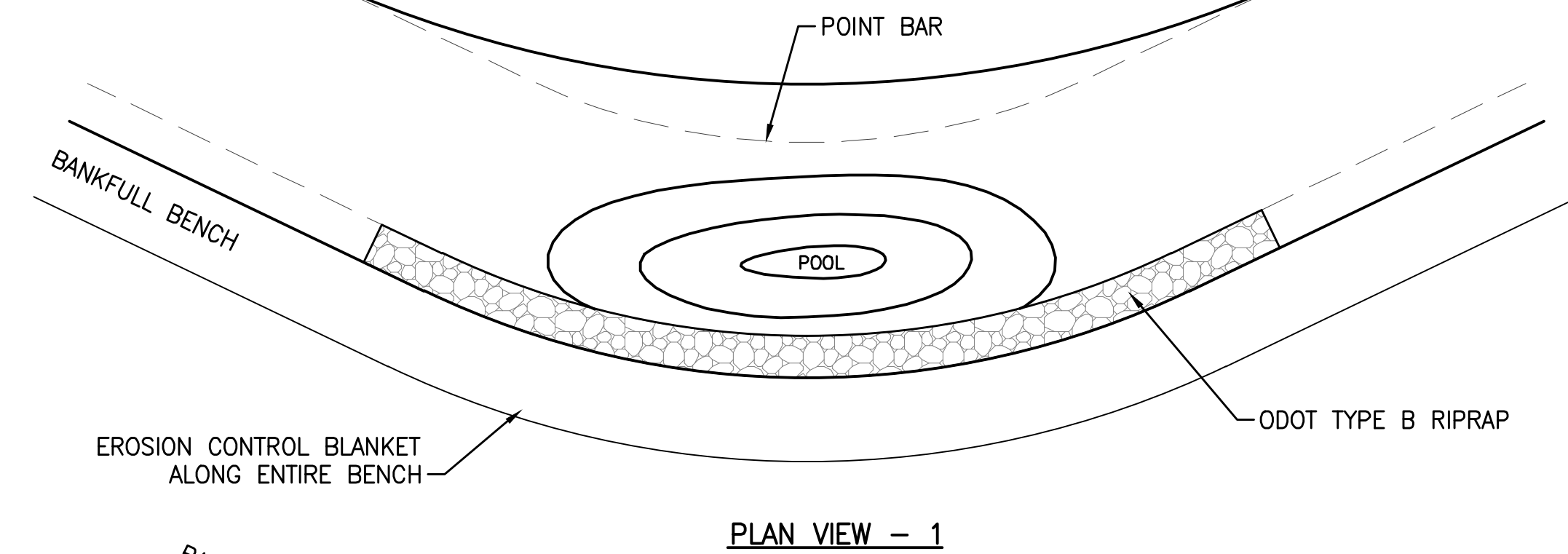
CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE	
<small>DIVISION USE ONLY</small>	
SCALE: NONE	SHEET: CR-116
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



NOTES:

1. TOP OF ODOT TYPE B RIPRAP SHALL BE 2 FEET BELOW THE AVERAGE ANNUAL WATER SURFACE ELEVATION.
2. ROOTWADS FOR THIS ITEM SHALL HAVE MINIMUM AVERAGE DIMENSIONS OF 12 INCHES IN DIAMETER AND 10 FEET IN LENGTH IN ADDITION TO THE LENGTH OF THE ROOT BOLE. ALL LOGS SHALL BE FREE OF ROT AND DECAY. PLANTINGS FOR THIS ITEM SHALL BE PER THE LANDSCAPE PLAN. SEE PLANS TITLED "SCIOTO GREENWAYS SITE IMPROVEMENTS" PREPARED BY MKSK.
3. CONSTRUCT ROCK TOE PROTECTION STRUCTURE BY FIRST EXCAVATING THE EXISTING CHANNEL TO THE GRADES SPECIFIED.
4. INSTALL ODOT TYPE B RIPRAP SUCH THAT A 7 FEET WIDE BENCH IS CREATED 2 FEET BELOW THE AVERAGE ANNUAL WATER SURFACE ELEVATION WITH 2 TO 1 SIDE SLOPES EXTENDING DOWN TO 3 FEET BELOW THE PROPOSED CHANNEL BOTTOM ELEVATION.
5. PLACE ROOTWADS ABOVE THE ODOT TYPE B RIPRAP SUCH THAT THE ROOT BOLE EXTENDS BEYOND THE RIPRAP AND INTO THE STREAM CHANNEL.
6. FILL THE VOIDS BETWEEN THE ROOTWADS WITH WOODY DEBRIS AND/OR NATIVE MATERIAL EXCAVATED FROM RIVER CHANNEL TO CREATE A FLUSH SURFACE.
7. BACKFILL OVER THE ROOTWADS SHALL BE A MINIMUM OF 6 INCHES THICK AND SHALL EXTEND UP TO THE AVERAGE ANNUAL WATER SURFACE ELEVATION. A TEMPORARY COUNTERWEIGHT MAY BE REQUIRED TO KEEP ROOTWADS IN PLACE DURING CONSTRUCTION.
8. PLACE A 10 FOOT WIDE STRIP OF EROSION CONTROL BLANKET ALONG THE SURFACE WITH THE OUTER EDGE LYING 3 FEET BEYOND THE PROPOSED TOE OF SLOPE. BACKFILL OVER THE OUTSIDE 3 FEET WITH CLEAN SOIL. SOIL LAYERS SHALL BE 1.5 FEET IN HEIGHT AND SHALL BE PLACED IN 6 INCH LIFTS WITH EACH LIFT COMPACTED USING THE EXCAVATOR BUCKET. SEED AND MULCH THE FACE OF THE SOIL LAYER AS PER THE LANDSCAPE PLAN. WRAP THE REMAINING BLANKET OVER THE SOIL LAYER AND PLACE 1"x1"x36" WOOD STAKES THROUGH THE BLANKET AND SOIL LAYER. STAKES SHALL BE NOTCHED TO "HOOK" THE EROSION CONTROL BLANKET AND SHALL BE PLACED AT A RATE OF 1 PER 2 LINEAR FEET OF BANK. REFER TO WOOD STAKE DETAIL, SHEET CR-116.
9. REPEAT STEP 8 UNTIL BANKFULL ELEVATION IS REACHED. EACH SOIL LAYER SHALL BE OFFSET BACK FROM THE PREVIOUS LAYER TO CREATE A FLAT TERRACE. AT BANKFULL ELEVATION, SEED AND MULCH PER THE LANDSCAPE PLAN AND EXTEND THE EROSION CONTROL BLANKET A MINIMUM OF 6 FEET BEYOND THE TOP OF BANK. THIS MAY REQUIRE AN ADDITIONAL ROLL OF FABRIC. SLIGHTLY BURY THE OUTERMOST EDGE OF THE BLANKET AND SECURE WITH NOTCHED 1"x1"x36" WOOD STAKES AT A RATE OF 1 PER 2 LINEAR FEET OF BANK.
10. INSTALL PLANTINGS PER THE LANDSCAPE PLAN ON EACH TERRACE. CUT THE MINIMUM AMOUNT OF EROSION CONTROL BLANKET NECESSARY TO INSTALL THE PLANTINGS.

ROCK TOE PROTECTION WITH SOIL LIFTS LOCATION TABLE				
LOCATION	START STA.	END STA.	AVERAGE WSE AT START STA.	AVERAGE WSE AT END STA.
LEFT BANK	13+50	18+75	696.7	696.7
LEFT BANK	26+10	28+75	696.8	696.8
LEFT BANK	34+50	37+80	696.8	696.8
LEFT BANK	45+15	46+20	696.8	696.8
LEFT BANK	57+25	60+75	696.9	696.9
LEFT BANK	62+50	63+65	696.9	696.9



1 DETAIL - ROCK TOE PROTECTION WITH SOIL LIFTS
CR-117 NOT TO SCALE

STREAM RESTORATION DETAILS

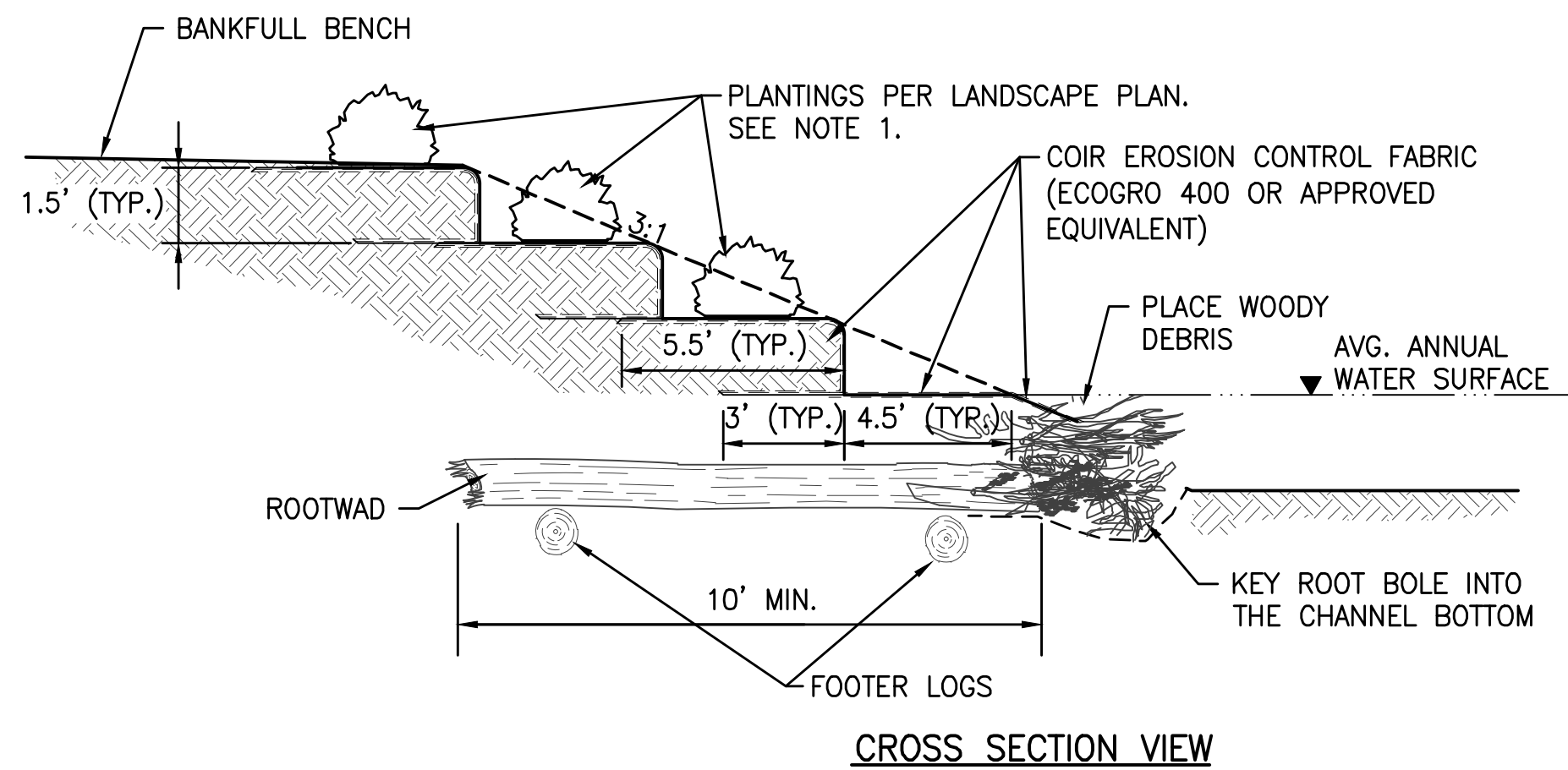
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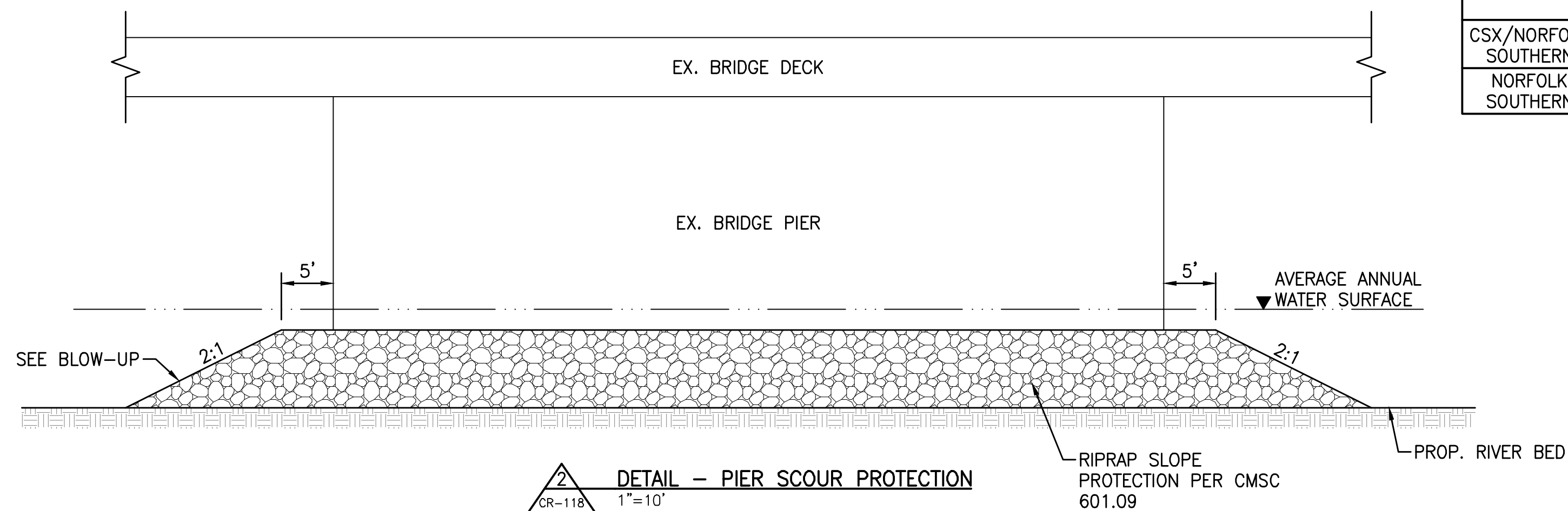
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Stantec Consulting Services Inc.
 1500 Lake Shore Drive, Suite 100
 Columbus, Ohio 43204
 (614) 486-4383
 (614) 486-4387
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PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	CLD	CON. DR.
INDEX DETAIL	RECORD FILE		

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SCALE: NONE	SHEET: CR-117
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

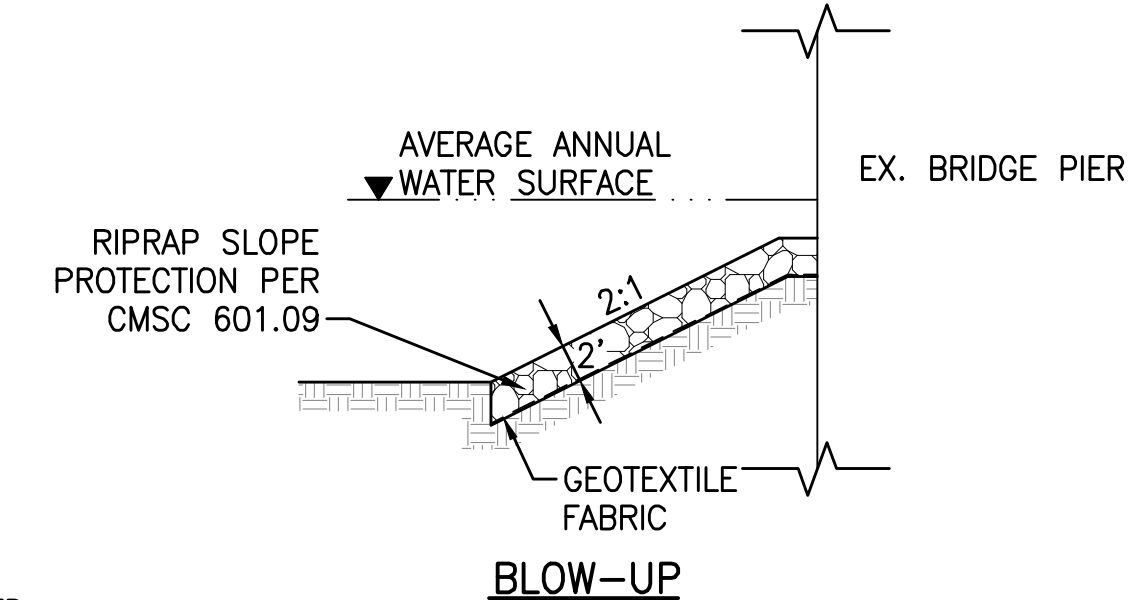


CROSS SECTION VIEW

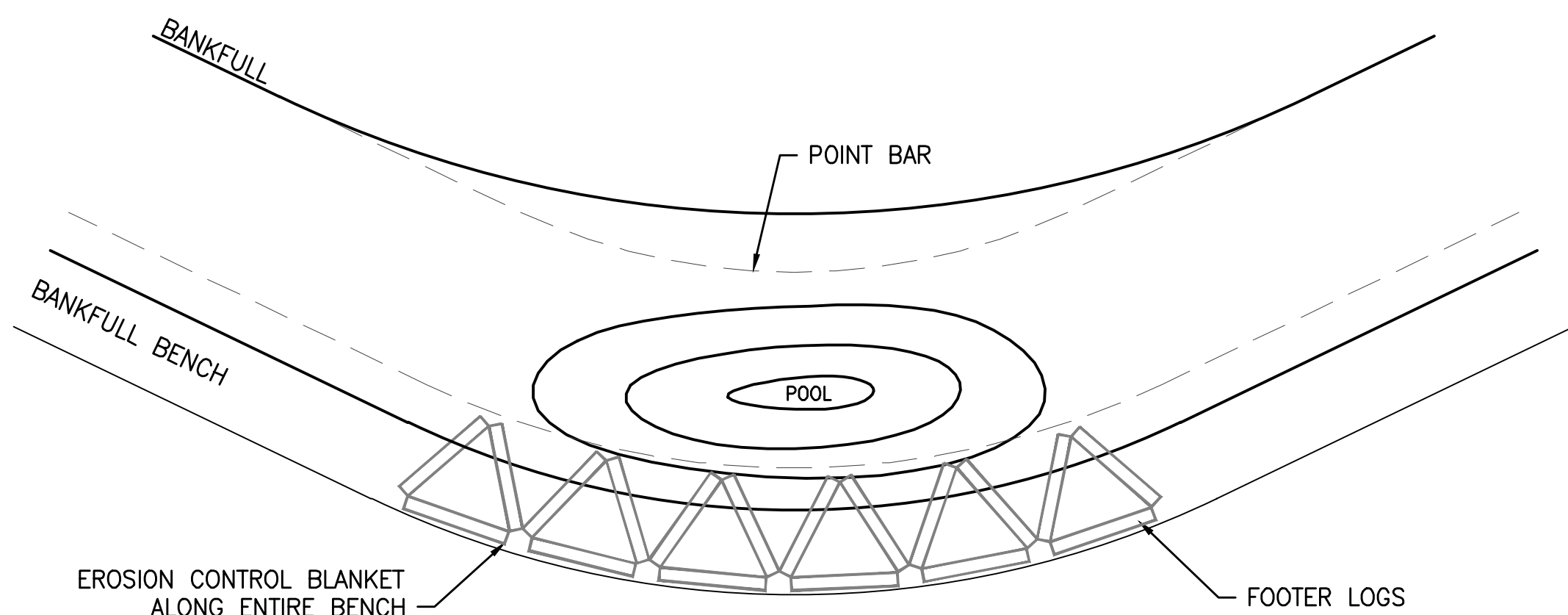


DETAIL - PIER SCOUR PROTECTION
1"=10'

PIER SCOUR PROTECTION TABLE		
BRIDGE	GROUTED RIPRAP TOP	AVERAGE ANNUAL WATER SURFACE
CSX/NORFOLK SOUTHERN	688.00	696.75
NORFOLK SOUTHERN	694.95	696.92

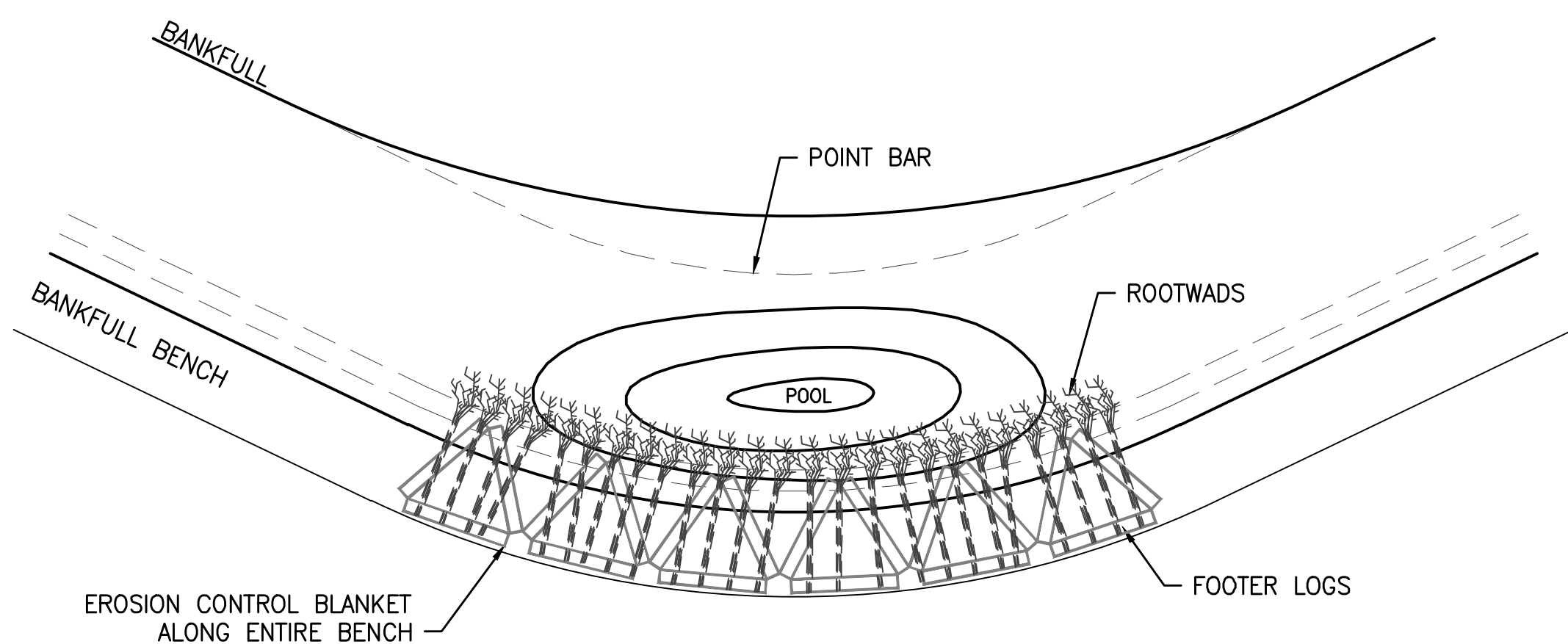


NOTE:
1. RIPRAP SHALL BE ODOT TYPE C.



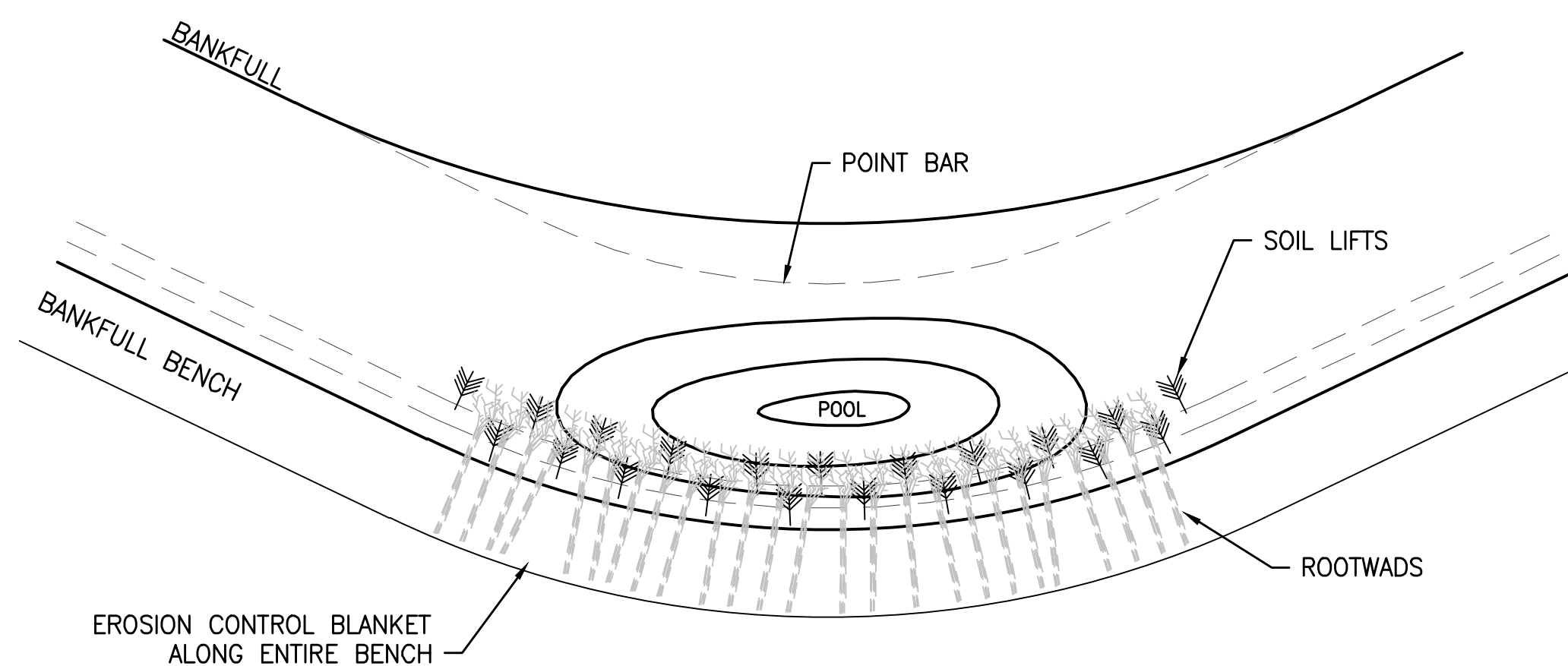
PLAN VIEW - 1

TOE WOOD WITH SOIL LIFTS LOCATION TABLE				
LOCATION	START STA.	END STA.	AVERAGE WSE AT START STA.	AVERAGE WSE AT END STA.
LEFT BANK	34+00	34+50	696.8	696.8
LEFT BANK	56+20	57+25	696.9	696.9
LEFT BANK	60+75	62+50	696.9	696.9



PLAN VIEW - 2

DETAIL - TOE WOOD WITH SOIL LIFTS
CR-118 NOT TO SCALE



PLAN VIEW - 3

NOTES:

- FOOTER LOGS FOR THIS ITEM SHALL HAVE MINIMUM AVERAGE DIMENSIONS OF 12 INCHES IN DIAMETER AND 10 FEET IN LENGTH. ROOTWADS SHALL HAVE MINIMUM AVERAGE DIMENSIONS OF 12 INCHES IN DIAMETER AND 10 FEET IN LENGTH IN ADDITION TO THE LENGTH OF THE ROOT BOLE. ALL LOGS SHALL BE FREE OF ROT AND DECAY. THE WOOD DEBRIS SHALL BE NO LARGER THAN 6 INCH DIAMETER AND SHALL BE DIFFERENT LENGTHS WITH A MINIMUM OF 2 FEET LONG. PLANTINGS FOR THIS ITEM SHALL BE PER THE LANDSCAPE PLAN. SEE PLANS TITLED "SCIOTO GREENWAYS SITE IMPROVEMENTS" PREPARED BY MKSK.
- CONSTRUCT TOE WOOD STRUCTURE BY FIRST SHAPING THE BANKFULL CHANNEL TO THE GRADES SPECIFIED. NEXT, EXCAVATE ENOUGH BANK AND BED MATERIAL FROM THE OUTER MEANDER BEND TO PLACE THE STRUCTURE. EXCAVATE TO A DEPTH OF 2 FEET BELOW THALWEG ELEVATION IN THE POOL.
- PLACE FOOTER LOGS IN THE PATTERN SHOWN ON THE DETAIL.
- PLACE ROOTWADS OVER THE FOOTER LOGS WITH THE ROOT PORTION EXTENDING NO MORE THAN 12 INCHES BEYOND THE TOE OF THE SLOPE INTO THE STREAM CHANNEL.
- FILL THE VOIDS BETWEEN THE FOOTER LOGS AND ROOTWADS WITH WOODY DEBRIS AND/OR NATIVE CHANNEL MATERIAL EXCAVATED FROM THE RIVER CHANNEL TO CREATE A FLUSH SURFACE.
- BACKFILL OVER THE ROOTWADS SHALL BE A MINIMUM OF 6 INCHES THICK AND SHALL EXTEND UP TO THE AVERAGE ANNUAL WATER SURFACE ELEVATION. A TEMPORARY COUNTERWEIGHT MAY BE REQUIRED TO KEEP ROOTWADS IN PLACE DURING CONSTRUCTION.
- PLACE A 10 FOOT WIDE STRIP OF EROSION CONTROL BLANKET LYING 3 FEET BEYOND THE PROPOSED TOE OF SLOPE. BACKFILL OVER THE OUTSIDE 3 FEET WITH CLEAN SOIL. SOIL LAYERS SHALL BE 1.5 FEET IN HEIGHT AND SHALL BE PLACED IN 6 INCH LIFTS WITH EACH LIFT COMPACTED USING THE EXCAVATOR BUCKET. SEED AND MULCH THE FACE OF THE SOIL LAYER AS PER THE LANDSCAPE PLAN. WRAP THE REMAINING BLANKET OVER THE SOIL LAYER AND PLACE 1"x1"x36" WOOD STAKES THROUGH THE BLANKET AND SOIL LAYER. STAKES SHALL BE NOTCHED TO "HOOK" THE EROSION CONTROL BLANKET STAKES AND SHALL BE PLACED AT A RATE OF 1 PER 2 LINEAR FEET OF BANK. REFER TO WOOD STAKE DETAIL, SHEET CR-116.
- REPEAT STEP 7 UNTIL BANKFULL ELEVATION IS REACHED. EACH SOIL LAYER SHALL BE OFFSET BACK FROM THE PREVIOUS LAYER TO CREATE A FLAT TERRACE. AT BANKFULL ELEVATION, SEED AND MULCH PER THE LANDSCAPE PLAN AND EXTEND THE EROSION CONTROL BLANKET A MINIMUM OF 6 FEET BEYOND THE TOP OF BANK. THIS MAY REQUIRE AN ADDITIONAL ROLL OF FABRIC. SLIGHTLY BURY THE OUTERMOST EDGE OF THE BLANKET AND SECURE WITH NOTCHED 1"x1"x36" WOOD STAKES AT A RATE OF 1 PER 2 LINEAR FEET OF BANK.
- INSTALL PLANTINGS PER THE LANDSCAPE PLAN ON EACH TERRACE. CUT THE MINIMUM AMOUNT OF EROSION CONTROL BLANKET NECESSARY TO INSTALL THE PLANTINGS.

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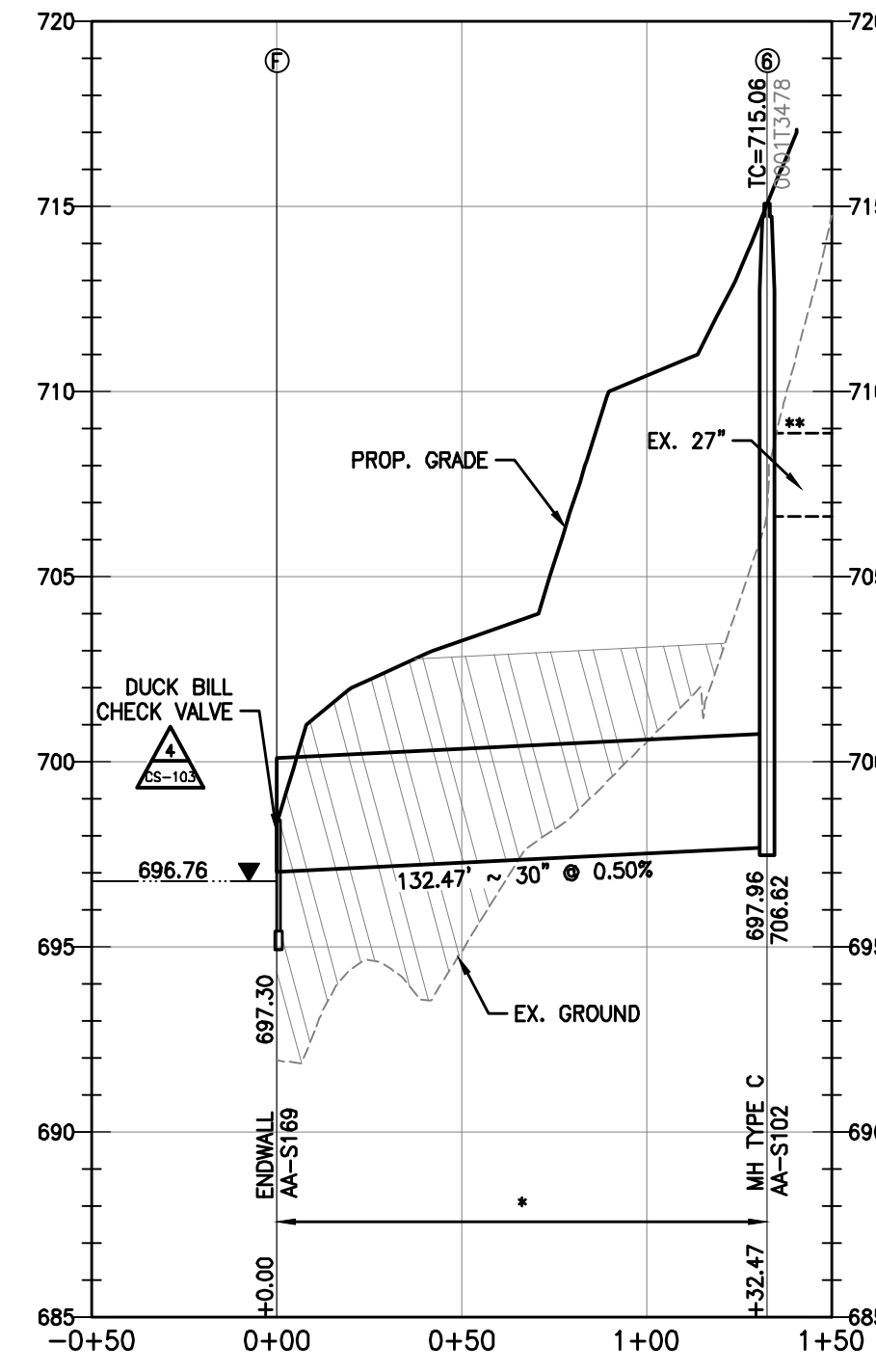
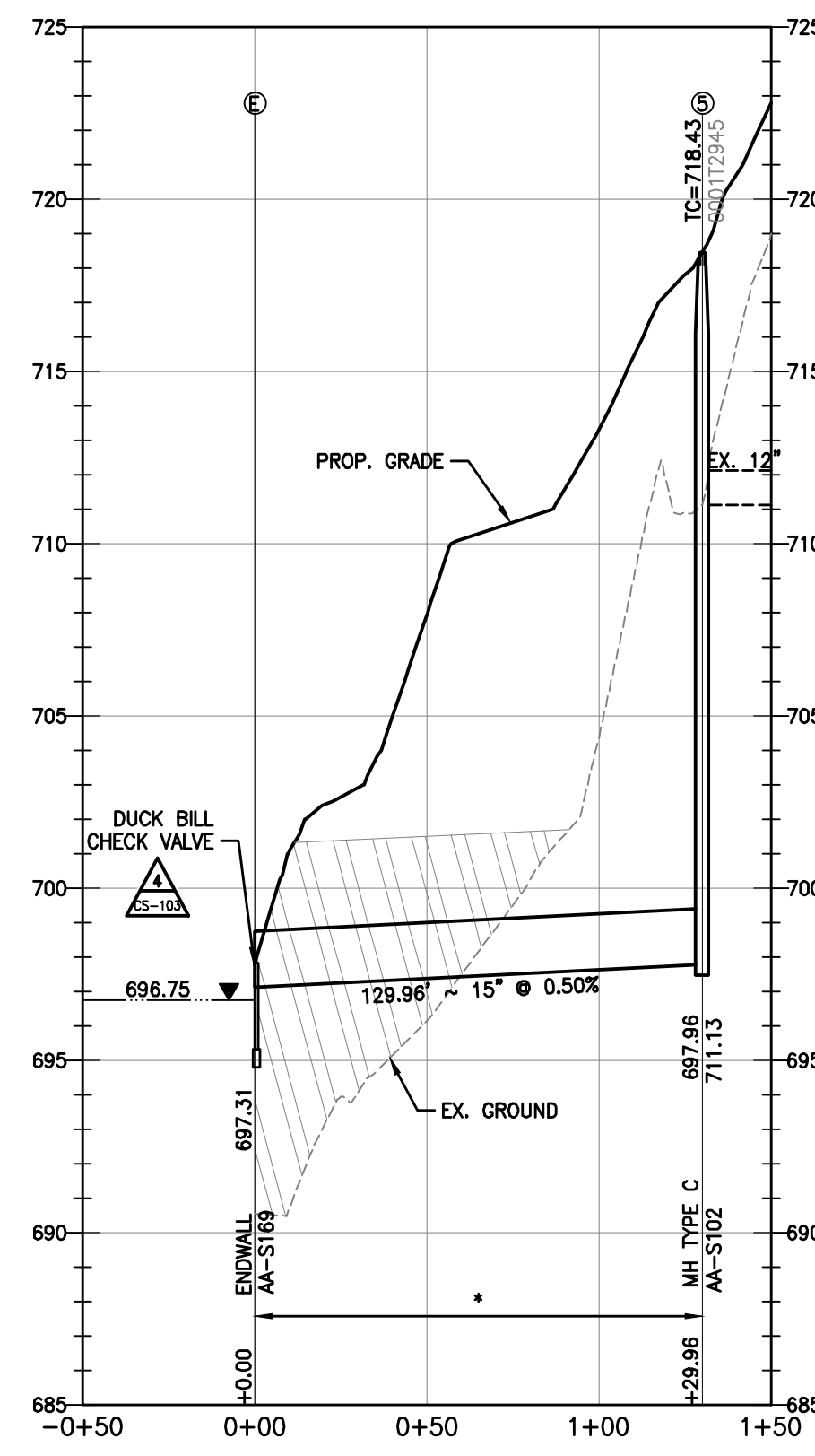
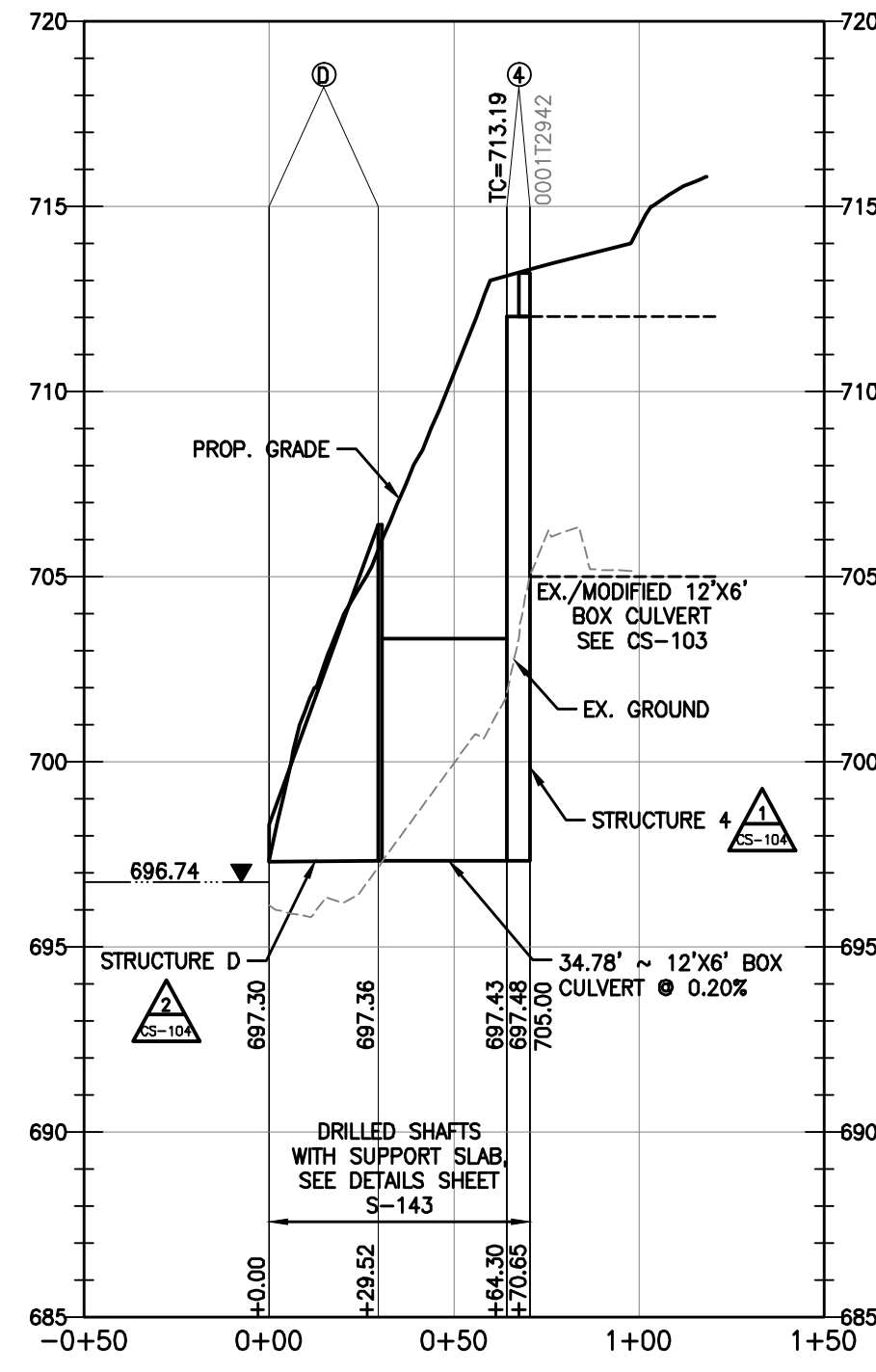
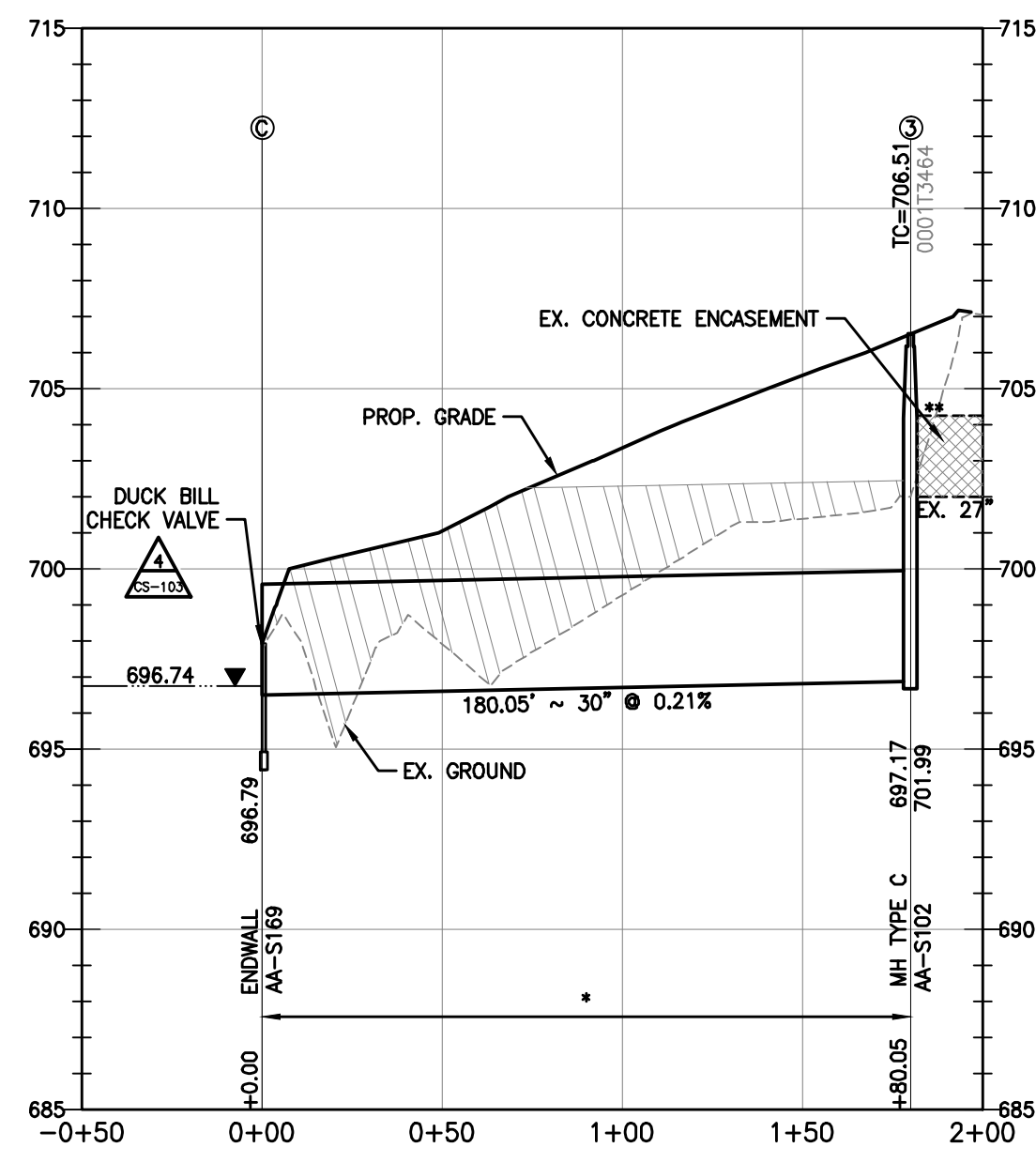
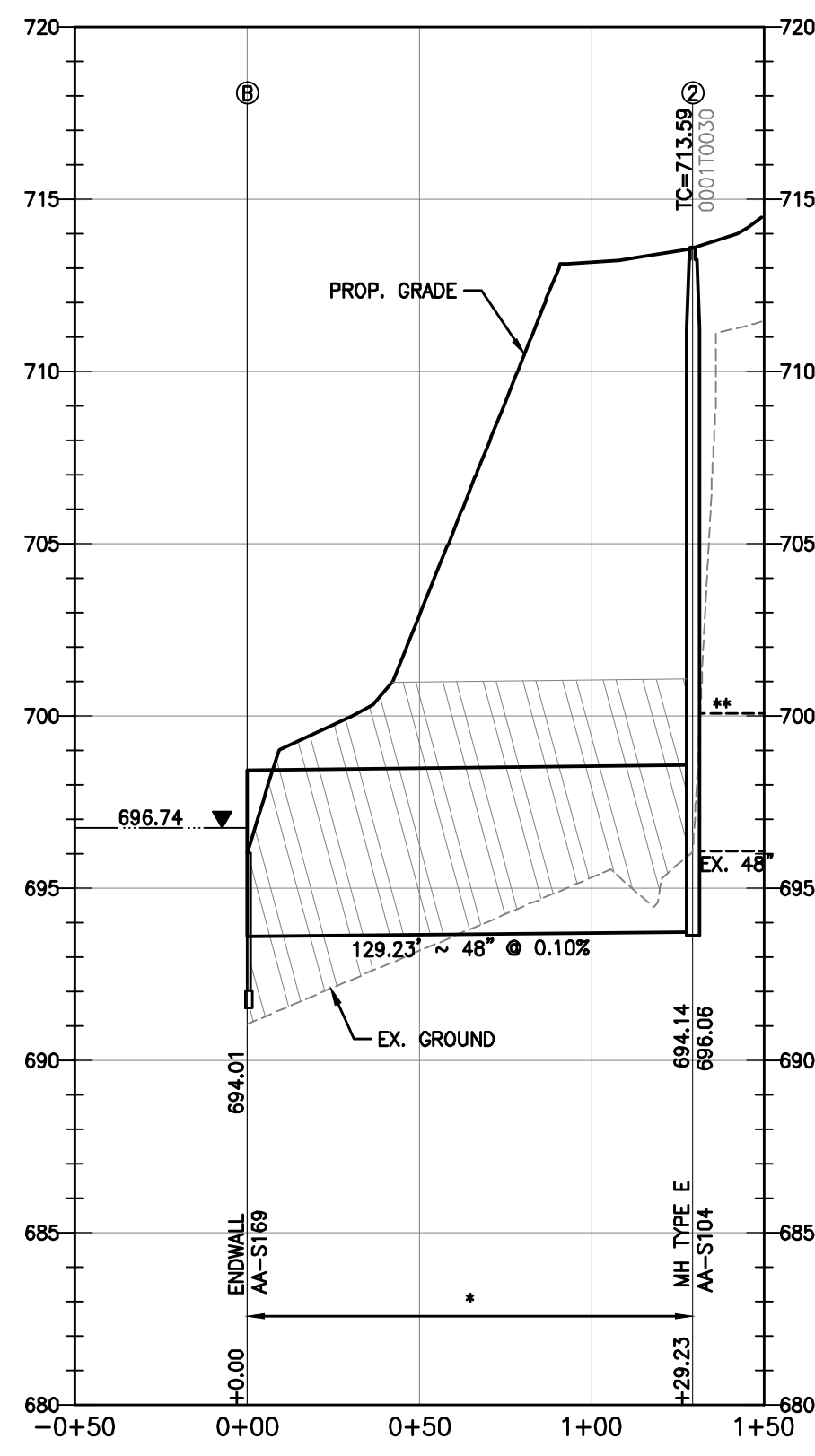
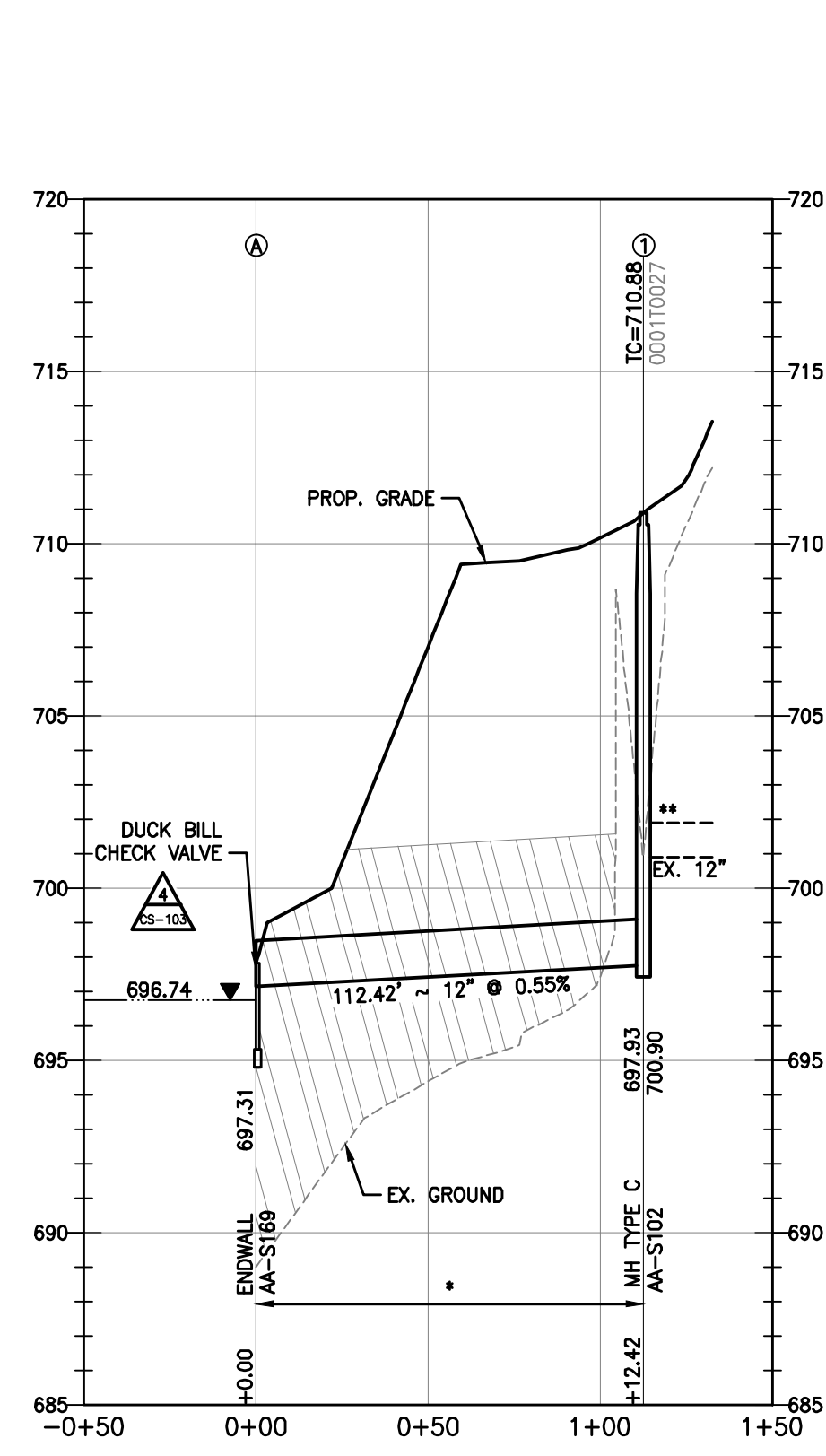
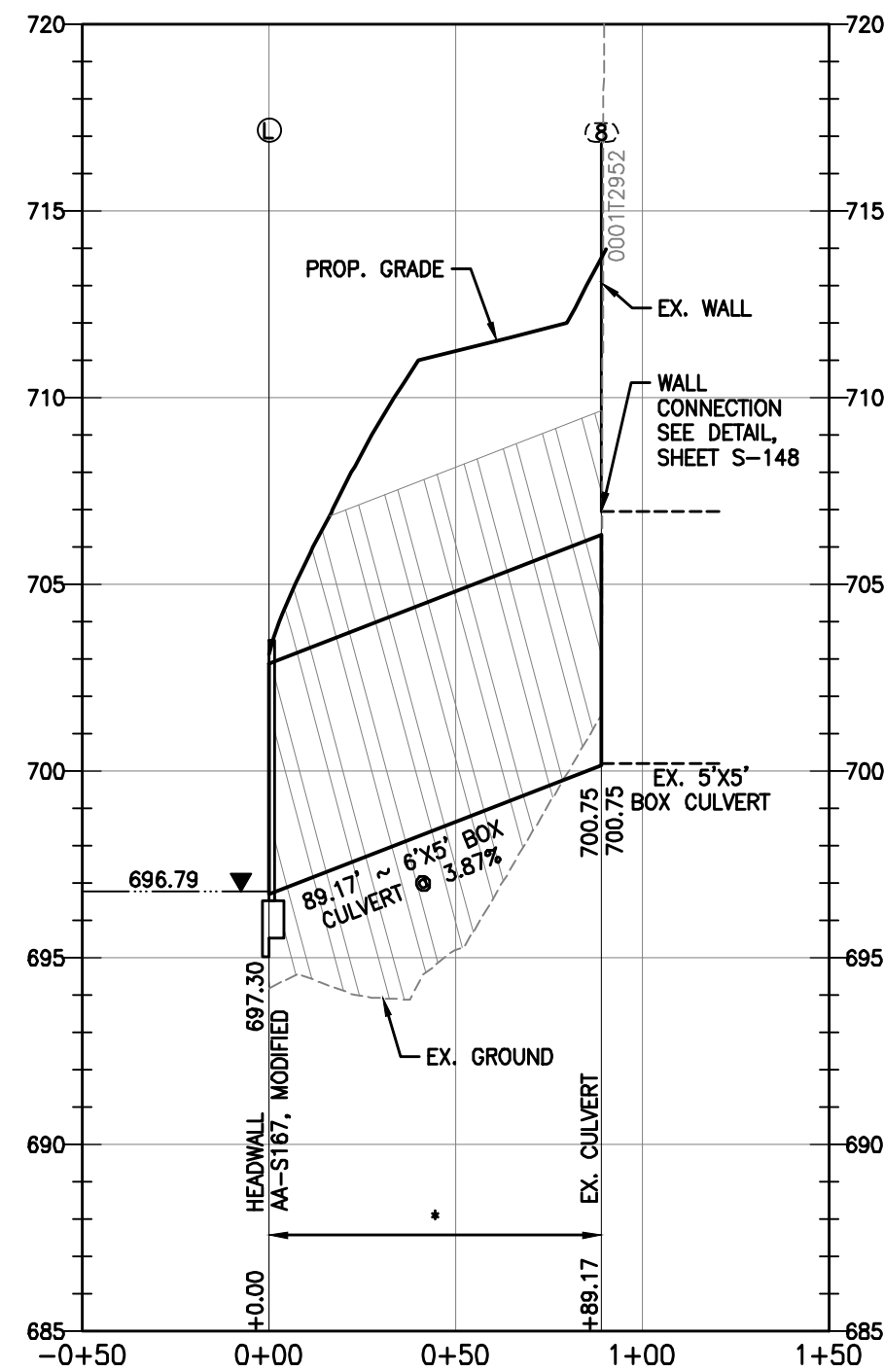
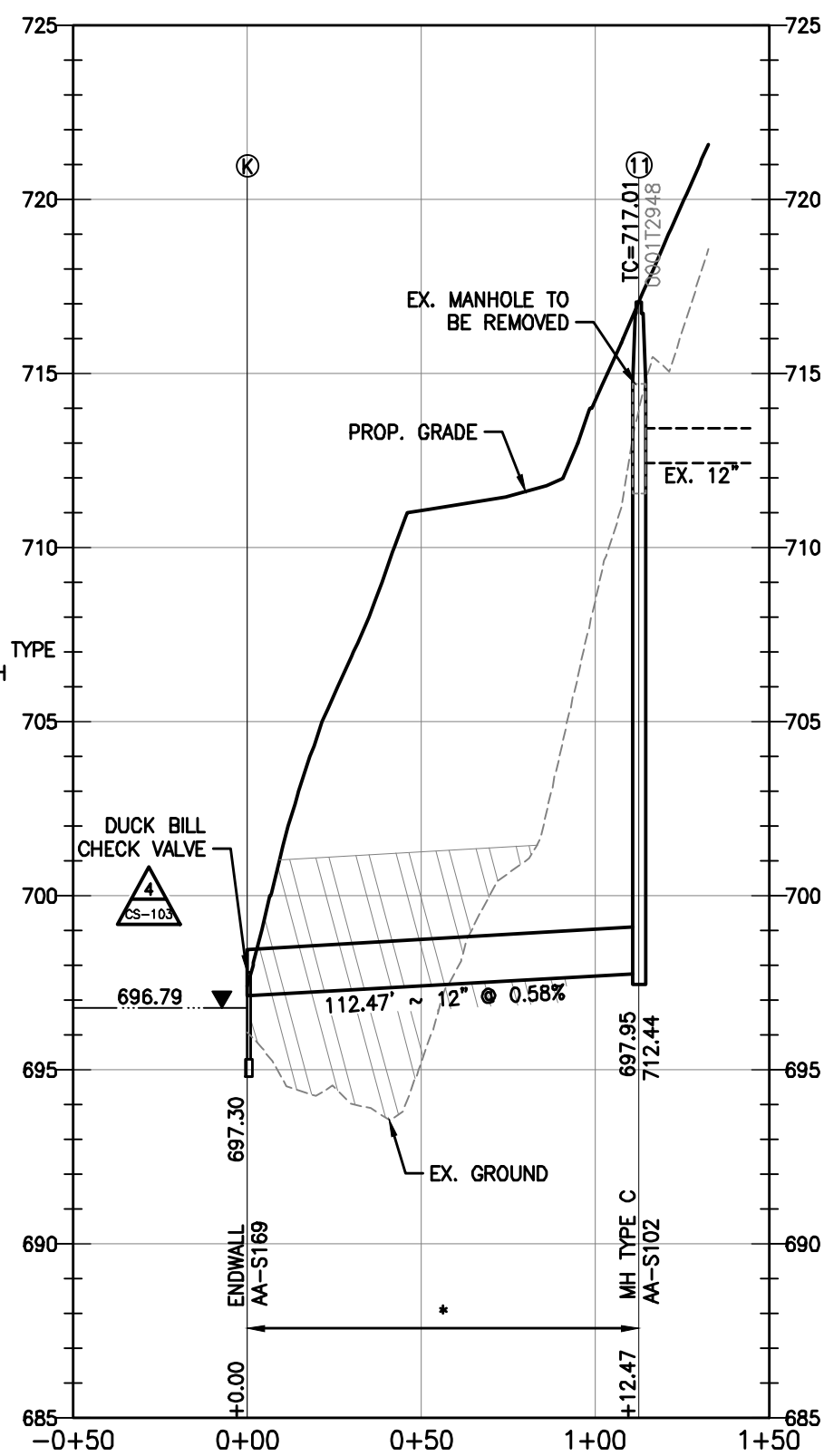
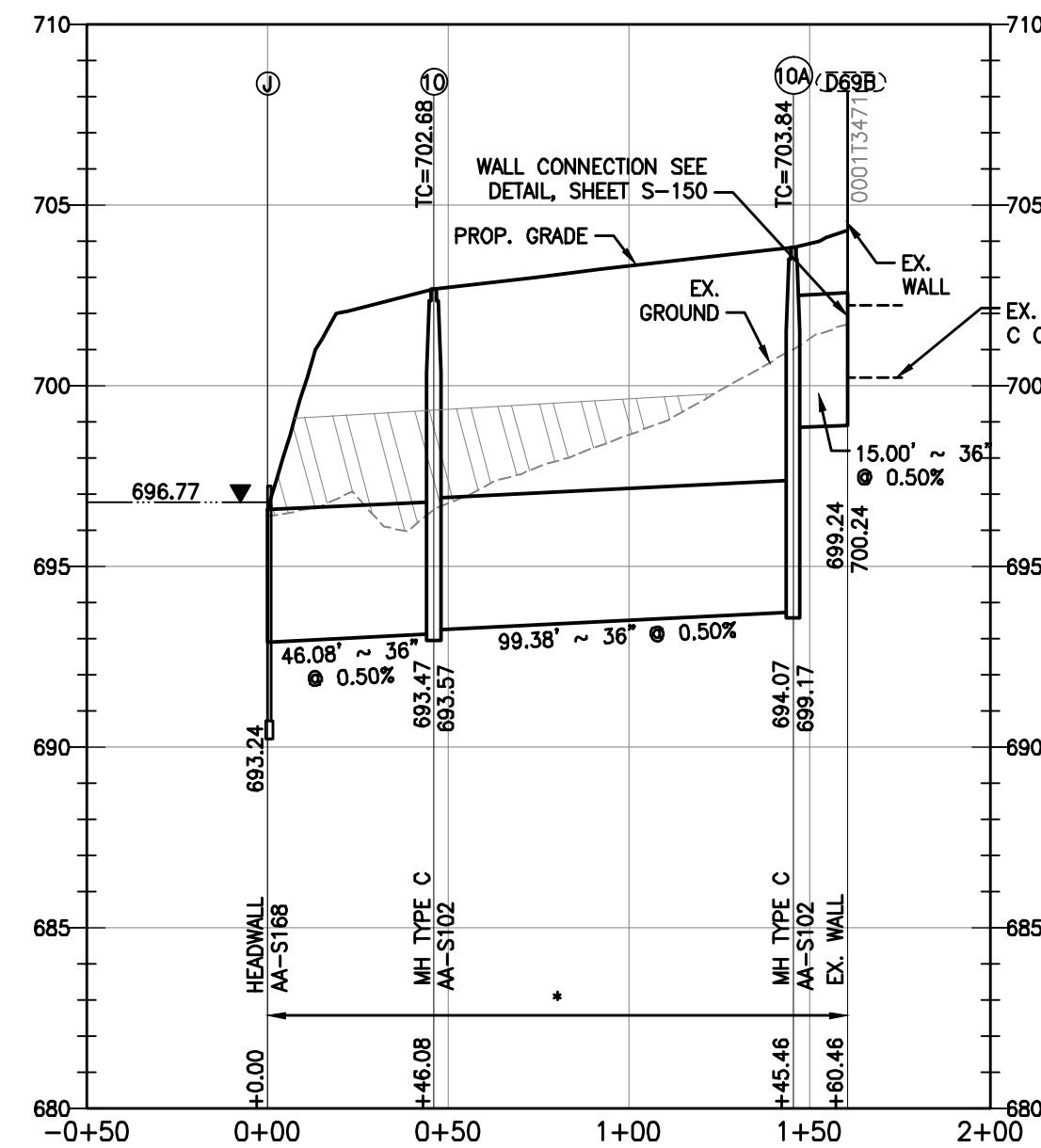
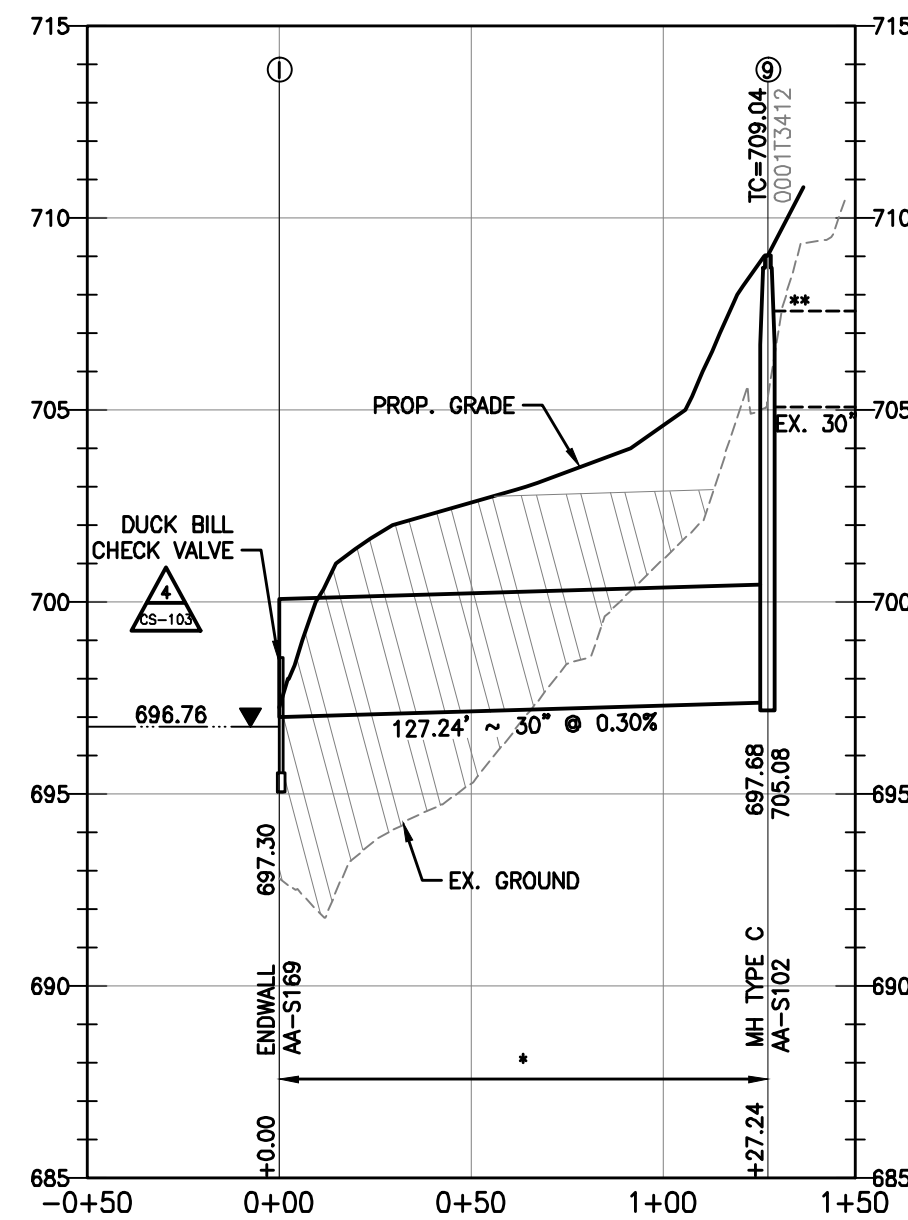
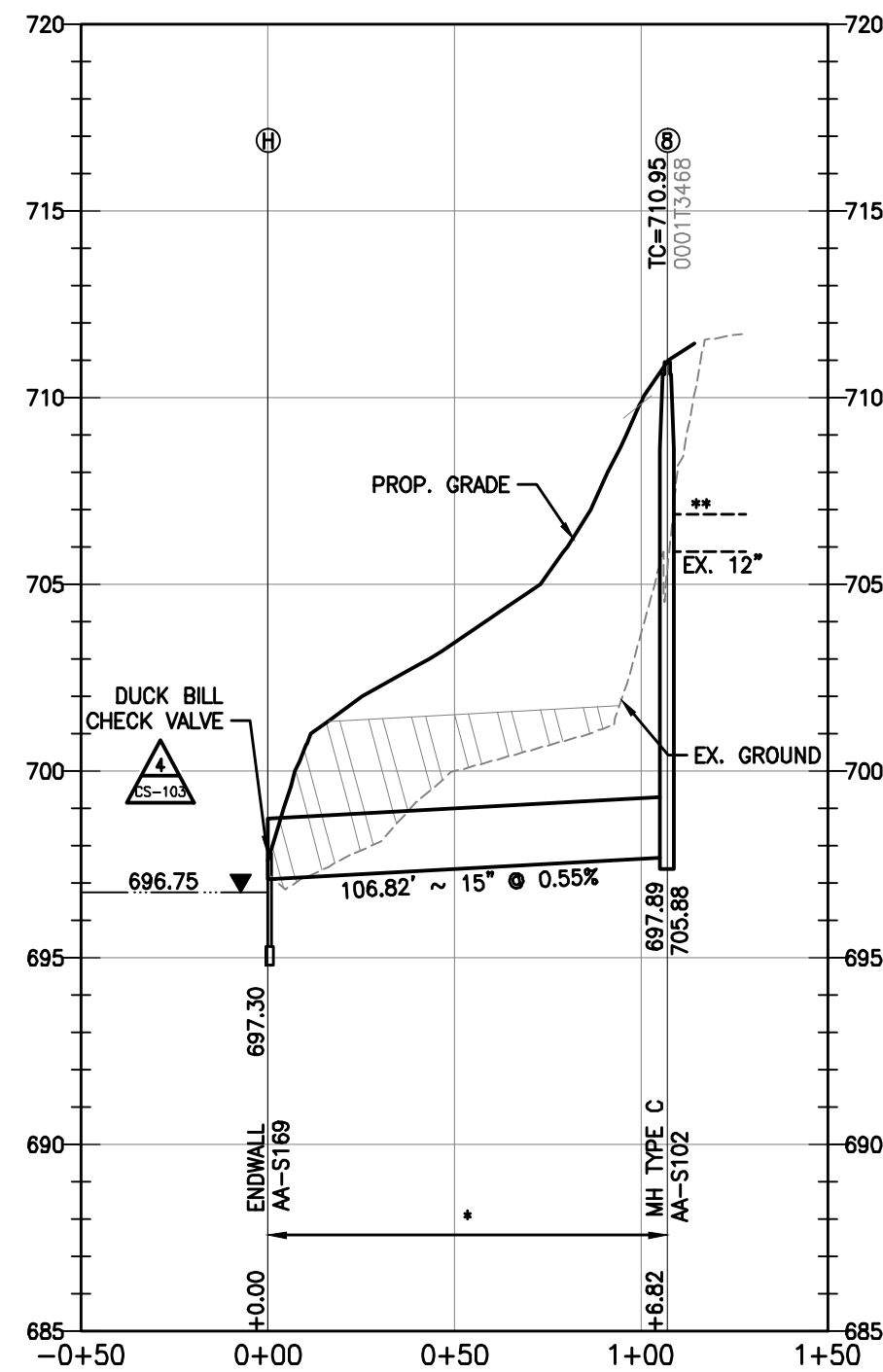
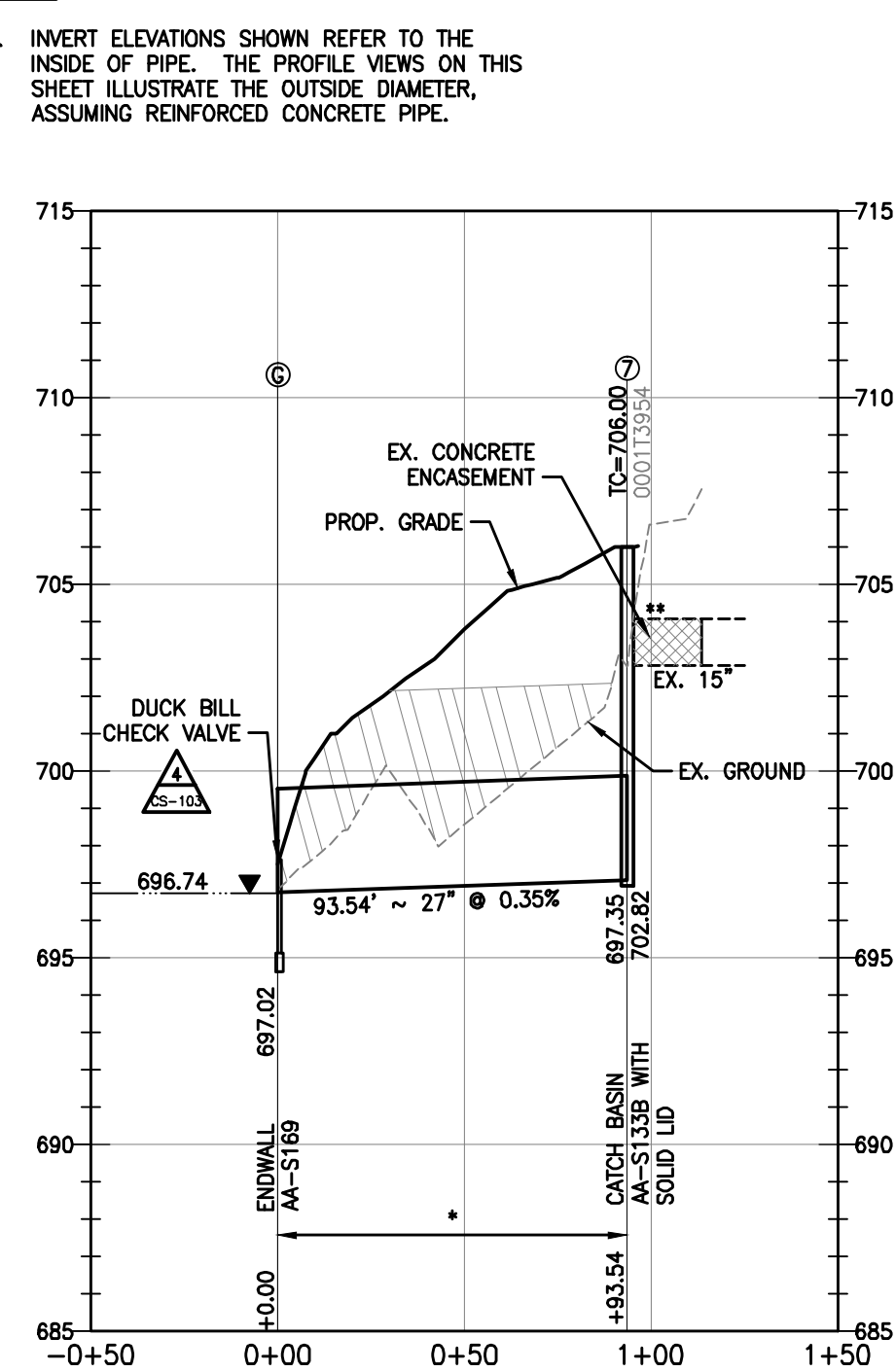
Stantec Consulting Services Inc.
1500 Lake Shore Drive, Suite 100
Columbus, Ohio 43204
(614) 486-4383
(614) 486-4387

STREAM RESTORATION DETAILS

PROJECT TITLE:					
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO					
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			INSPECTOR		
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INDEX	RECORD	RECORD FILE			

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE	
DIVISION USE ONLY	
SCALE: NONE	SHEET: CR-118
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

- LEGEND:**
- COMPACTED FILL TO 30" ABOVE TOP OF PIPE PRIOR TO EXCAVATION PER CITY OF COLUMBUS CMSC 901.04.
 - AVERAGE ANNUAL WATER SURFACE ELEVATION
 - COMPACTED GRANULAR BACKFILL, SEE GENERAL NOTE 16
 - EXISTING HEADWALL TO BE REMOVED
- NOTE:**
1. INVERT ELEVATIONS SHOWN REFER TO THE INSIDE OF PIPE. THE PROFILE VIEWS ON THIS SHEET ILLUSTRATE THE OUTSIDE DIAMETER, ASSUMING REINFORCED CONCRETE PIPE.



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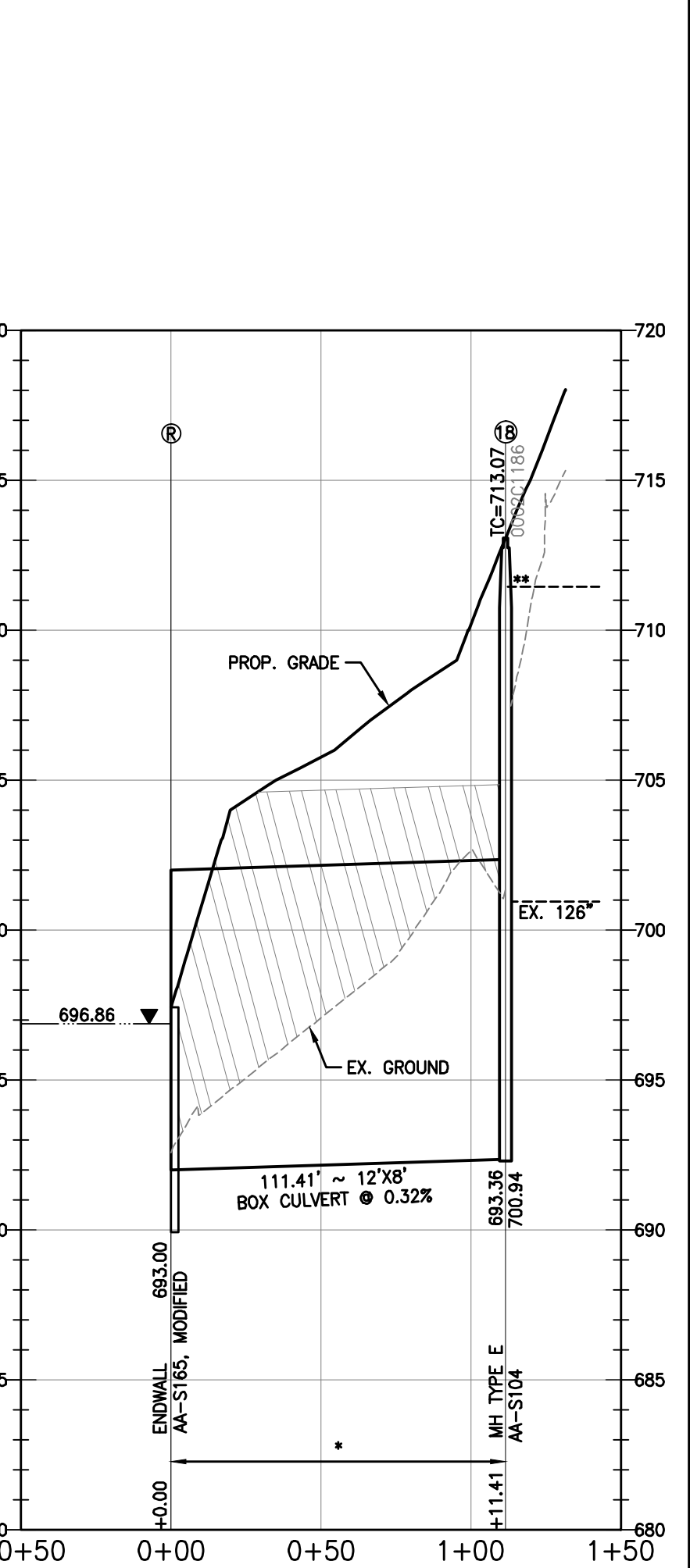
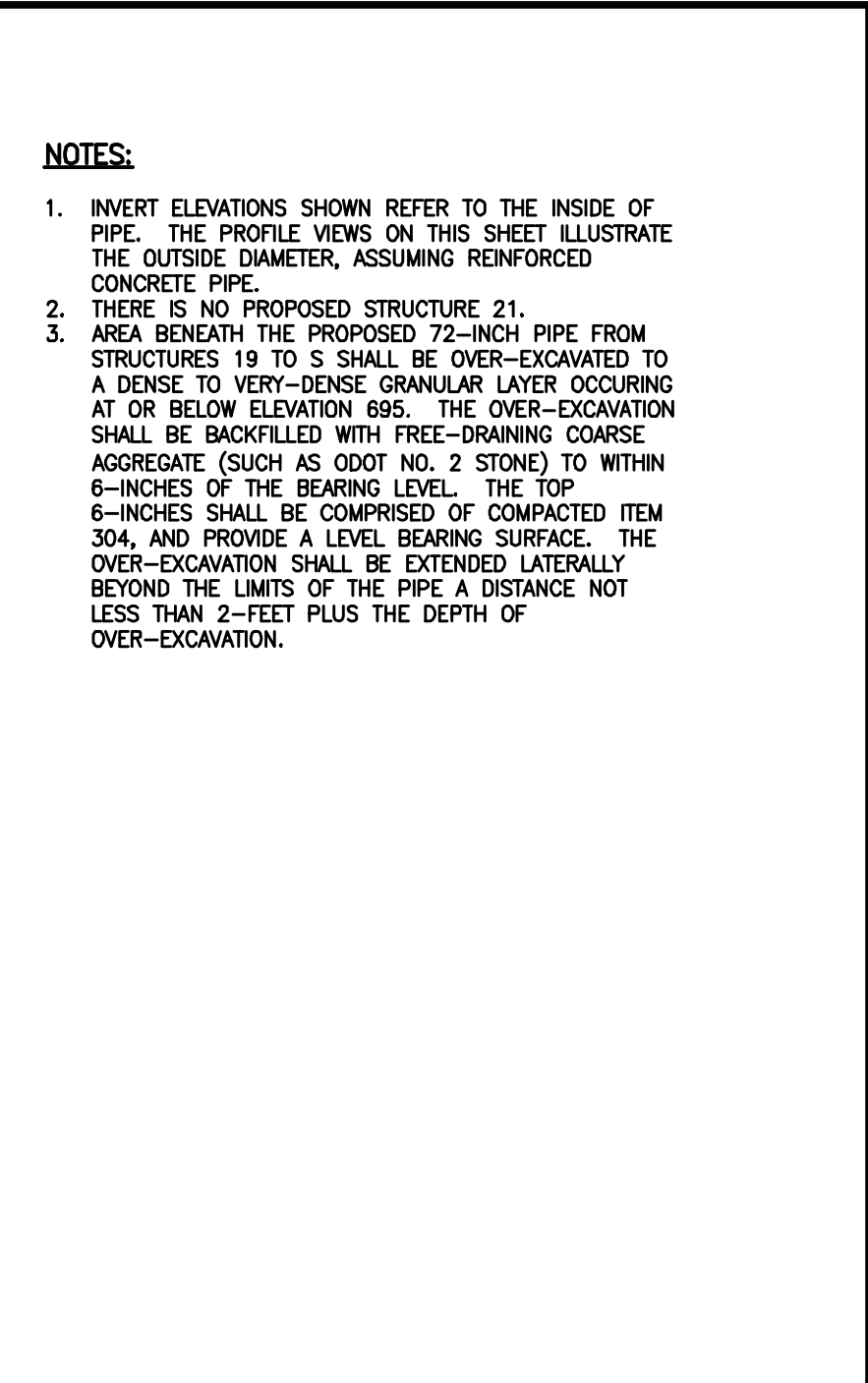
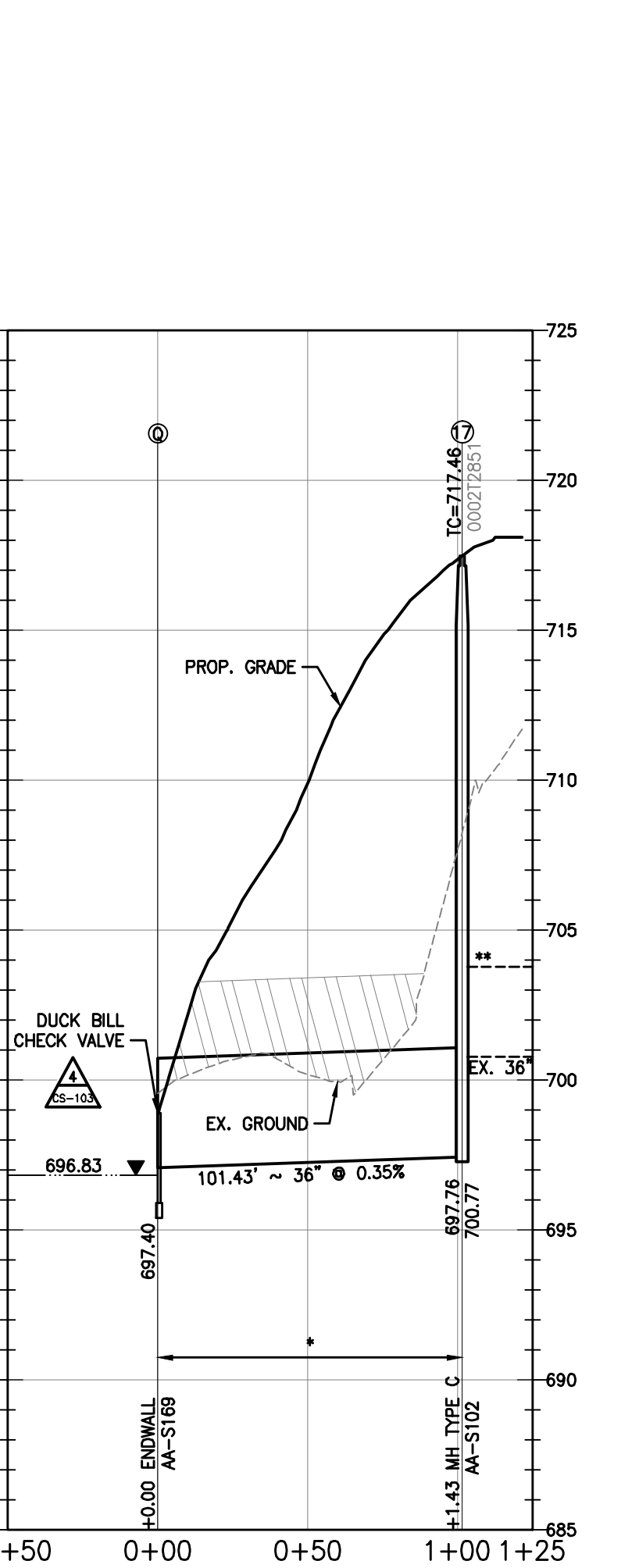
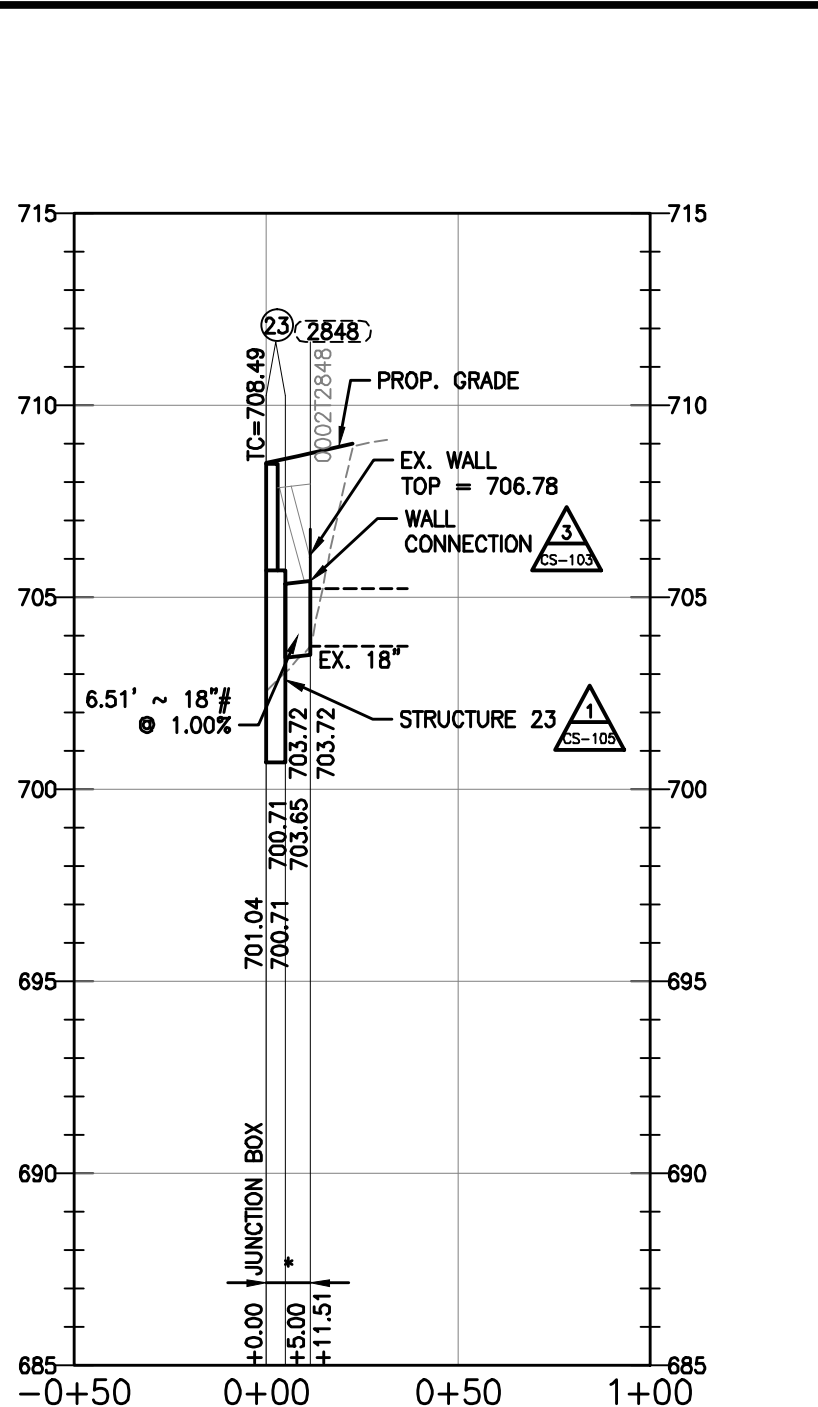
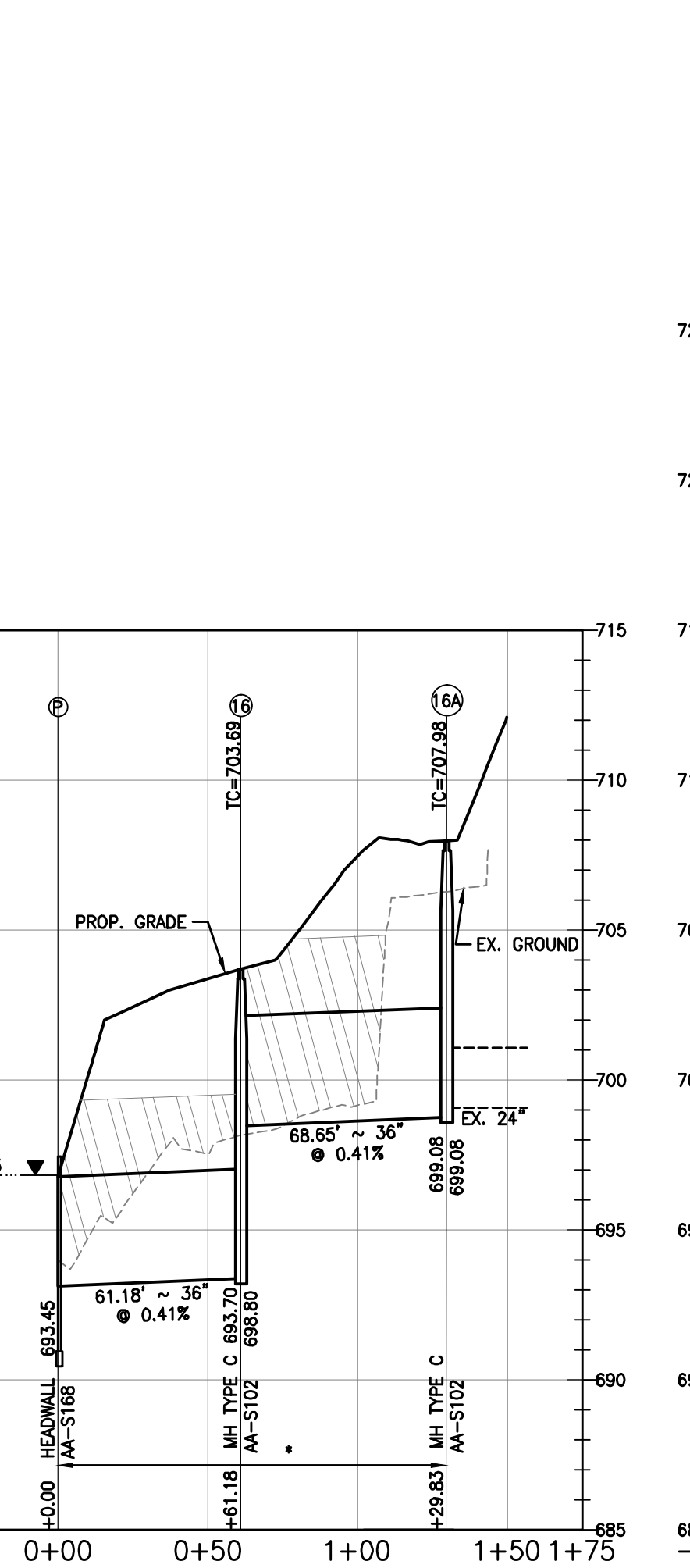
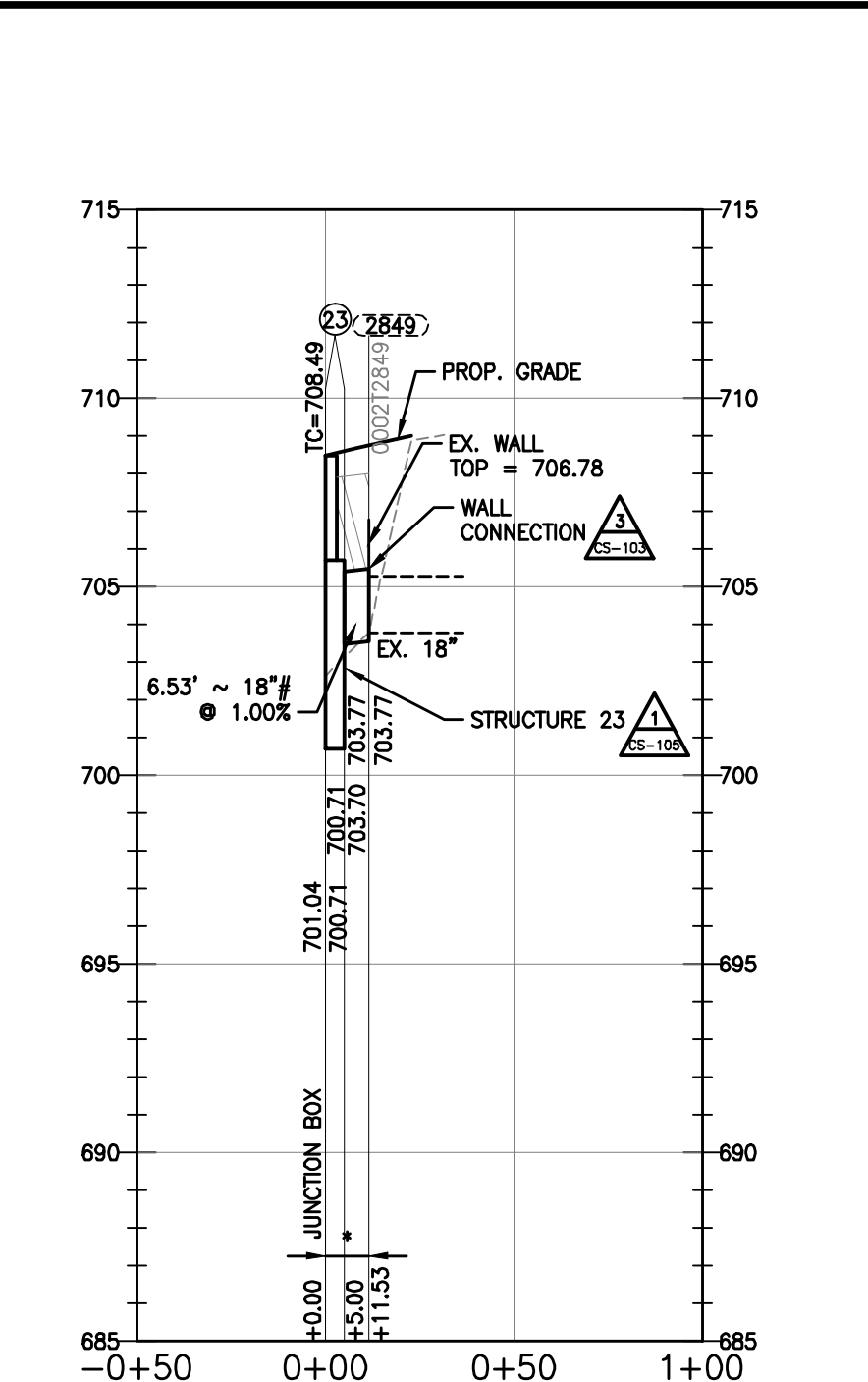
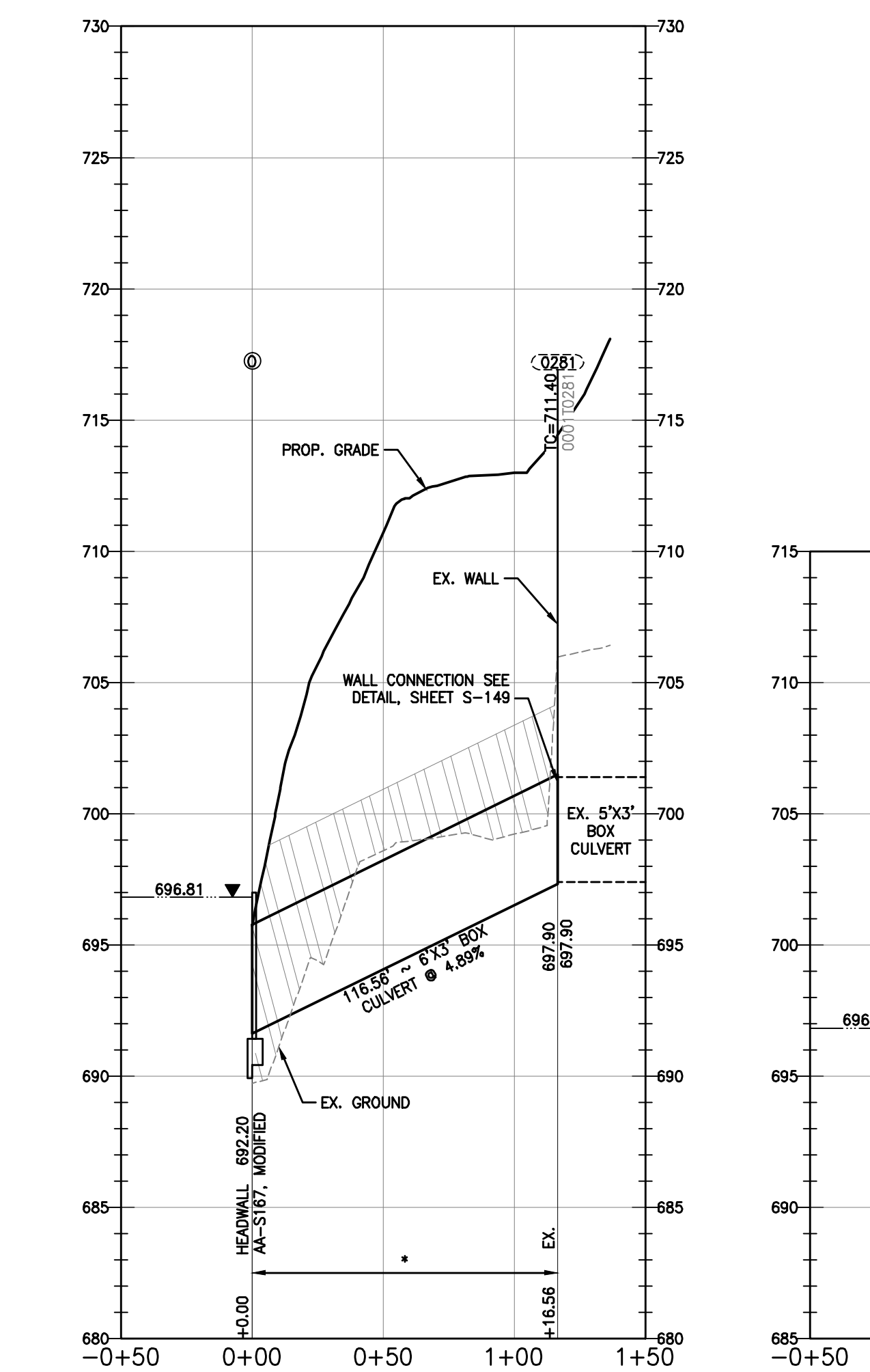
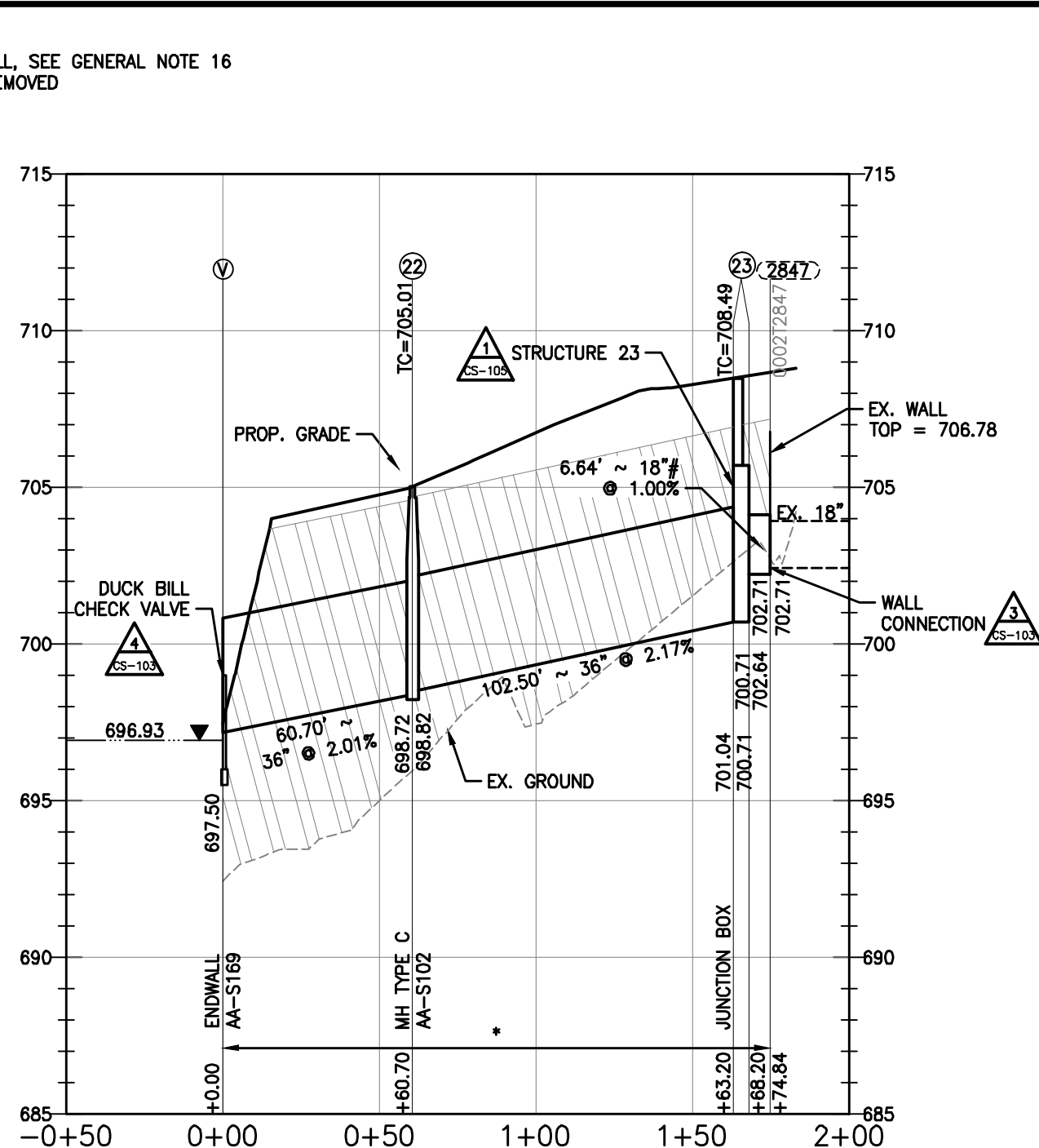
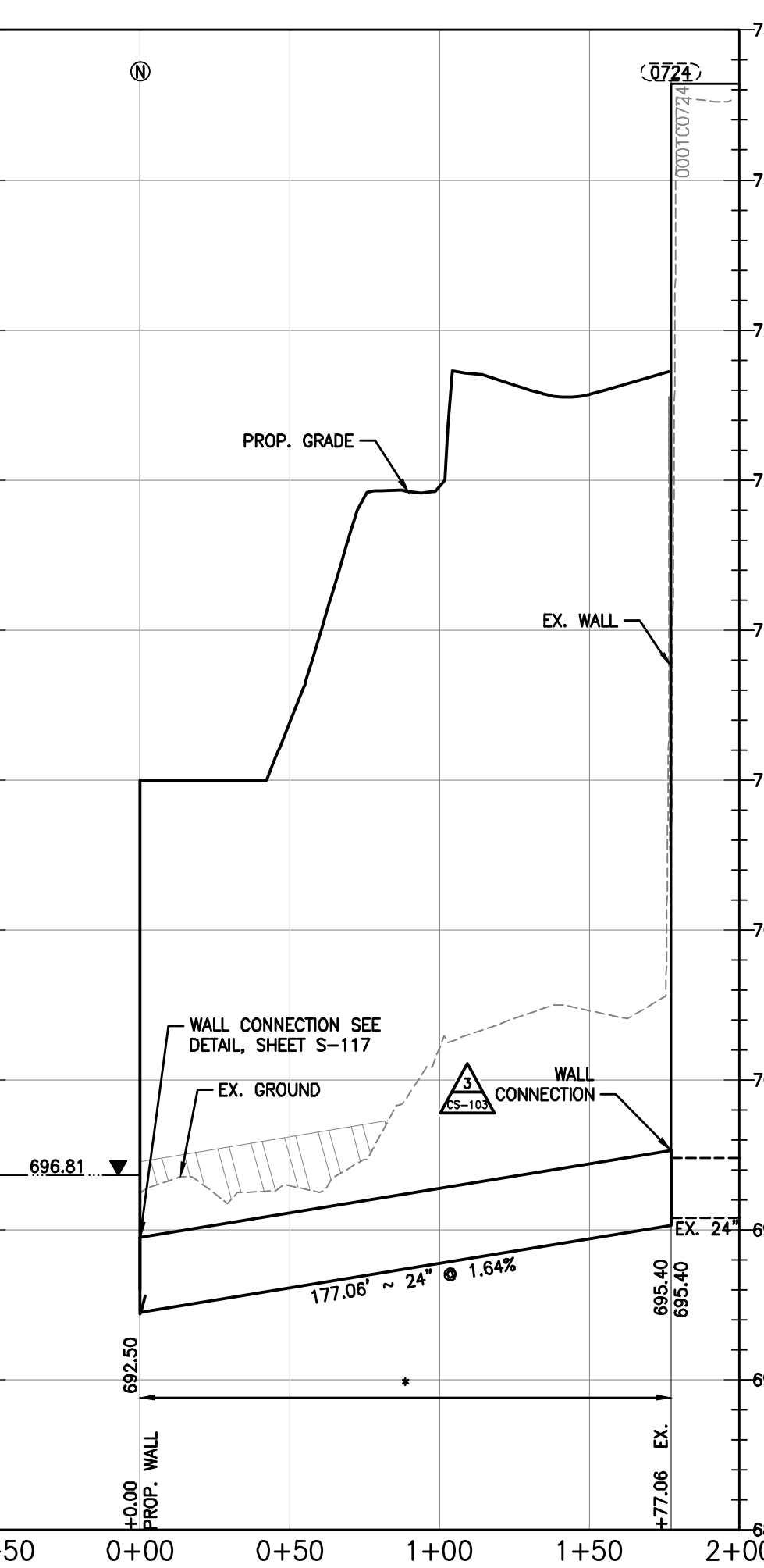
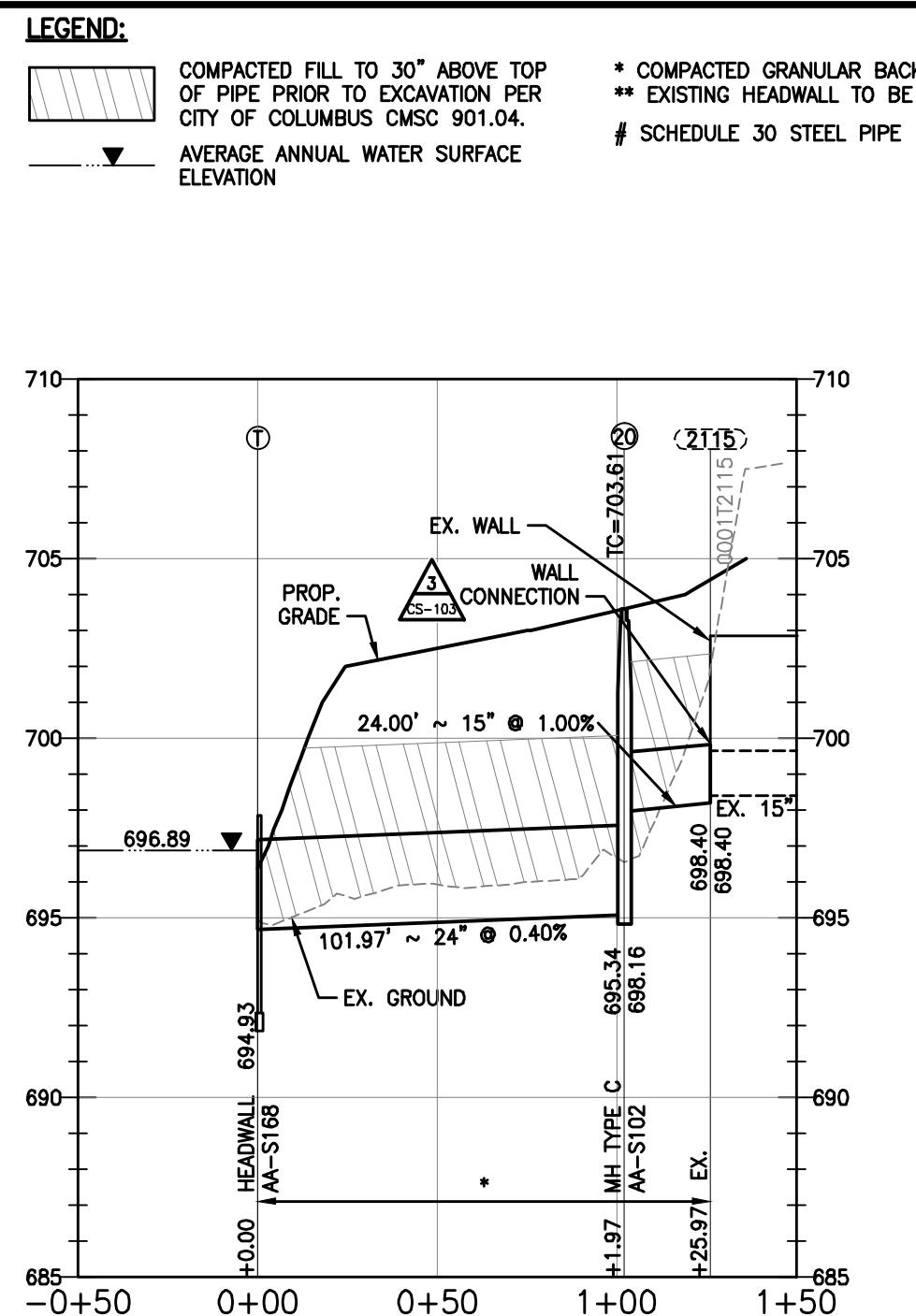
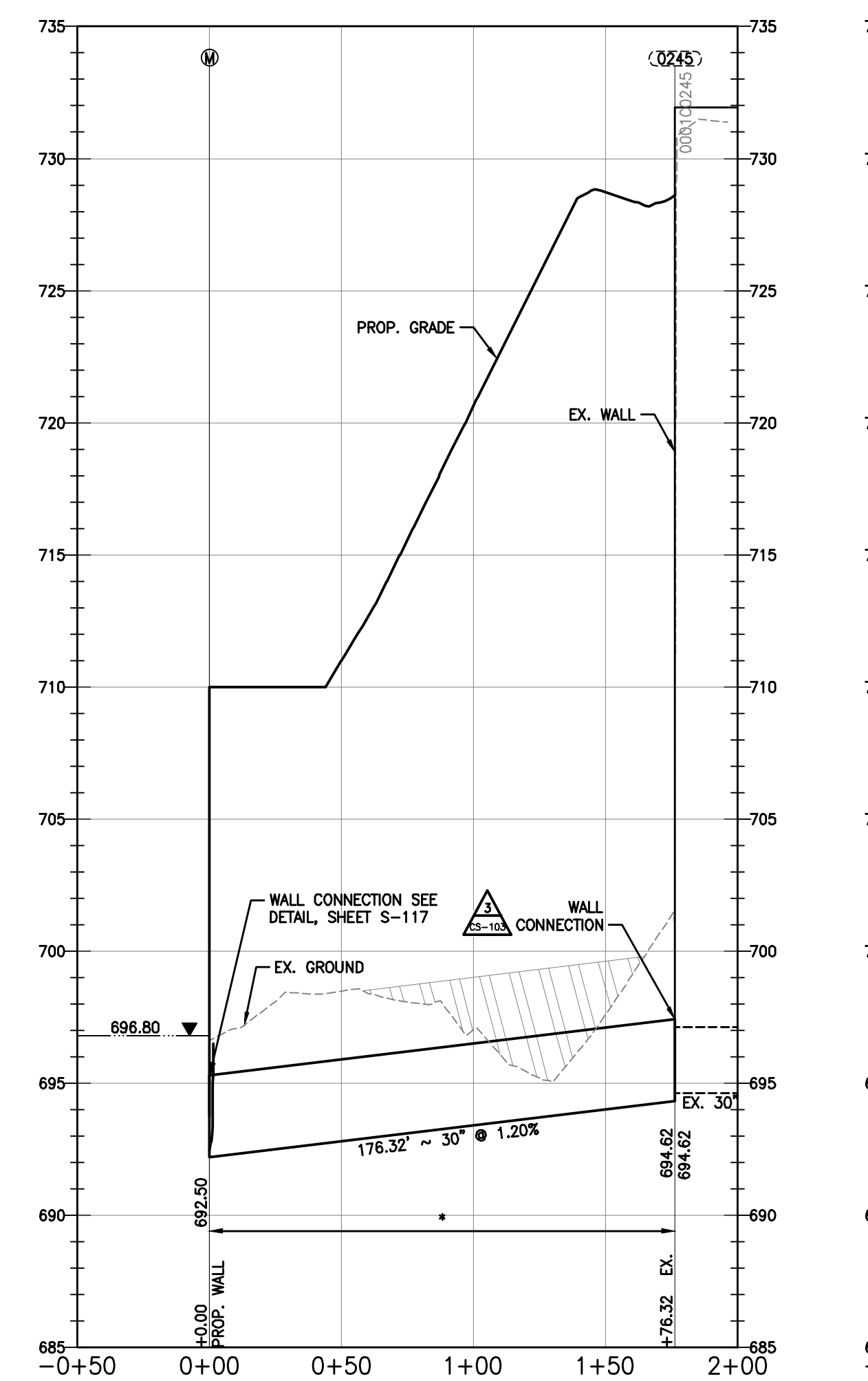
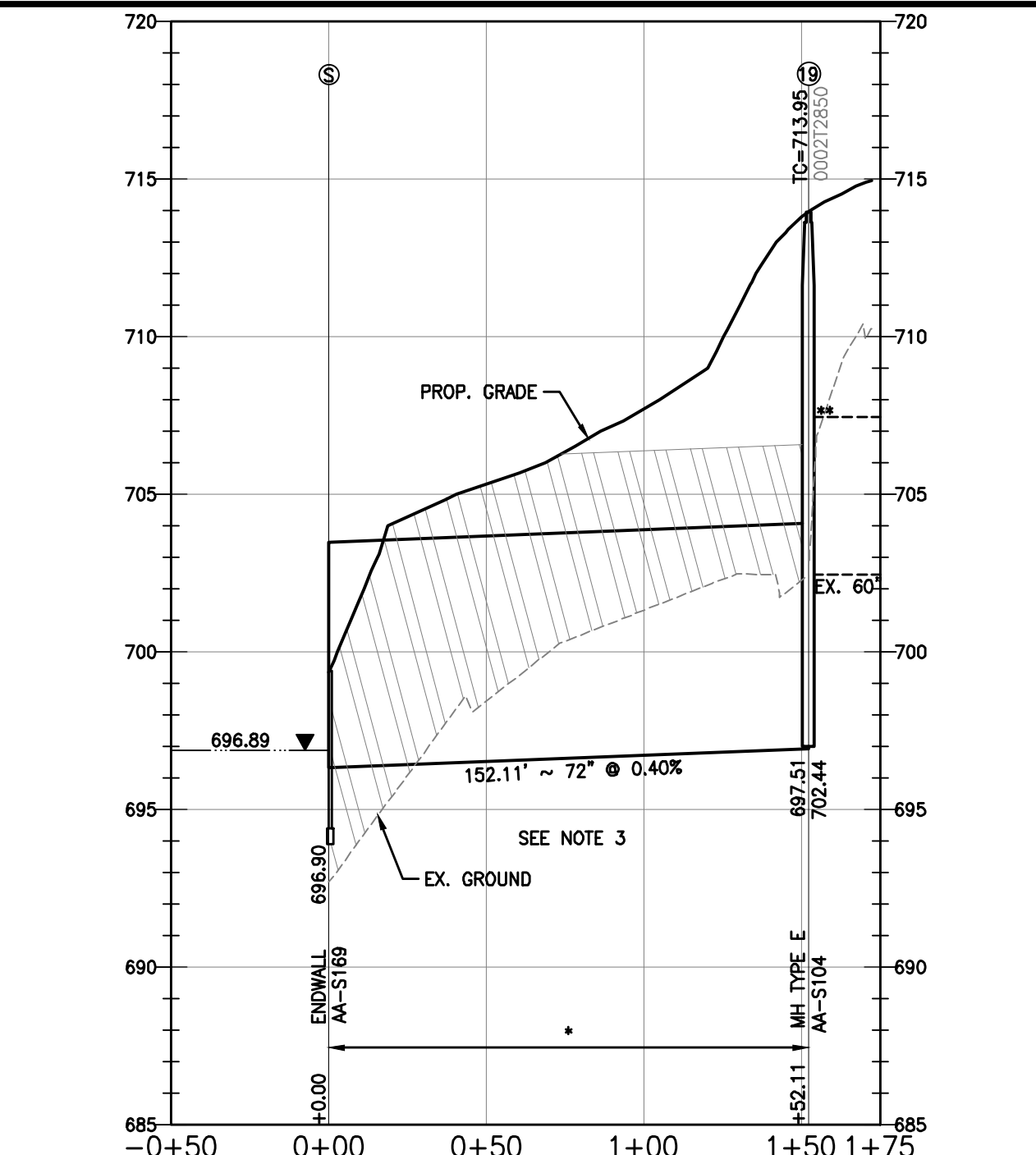
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SCALE: 1" = 50'H 1" = 5'V	SHEET: CS-101
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

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LEGEND:
 [Hatched Area] COMPACTED FILL TO 30" ABOVE TOP OF PIPE PRIOR TO EXCAVATION PER CITY OF COLUMBUS CMSC 901.04.
 [Dashed Line] AVERAGE ANNUAL WATER SURFACE ELEVATION
 [Star Symbol] * COMPACTED GRANULAR BACKFILL. SEE GENERAL NOTE 16
 [Double Star Symbol] ** EXISTING HEADWALL TO BE REMOVED
 [Hash Symbol] # SCHEDULE 30 STEEL PIPE

NOTES:
 1. INVERT ELEVATIONS SHOWN REFER TO THE INSIDE OF PIPE. THE PROFILE VIEWS ON THIS SHEET ILLUSTRATE THE OUTSIDE DIAMETER, ASSUMING REINFORCED CONCRETE PIPE.
 2. THERE IS NO PROPOSED STRUCTURE 21. AREA BENEATH THE PROPOSED 72-INCH PIPE FROM STRUCTURES 19 TO S SHALL BE OVER-EXCAVATED TO A DENSE TO VERY-DENSE GRANULAR LAYER OCCURRING AT OR BELOW ELEVATION 695. THE OVER-EXCAVATION SHALL BE BACKFILLED WITH FREE-DRAINING COARSE AGGREGATE (SUCH AS ODOT NO. 2 STONE) TO WITHIN 6-INCHES OF THE BEARING LEVEL. THE TOP 6-INCHES SHALL BE COMPRISED OF COMPACTED ITEM 304, AND PROVIDE A LEVEL BEARING SURFACE. THE OVER-EXCAVATION SHALL BE EXTENDED Laterally BEYOND THE LIMITS OF THE PIPE A DISTANCE NOT LESS THAN 2- FEET PLUS THE DEPTH OF OVER-EXCAVATION.

EASEMENT REFERENCE		
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	VOL. PAGE	

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NO.	DESCRIPTION	APPROVAL/DATE

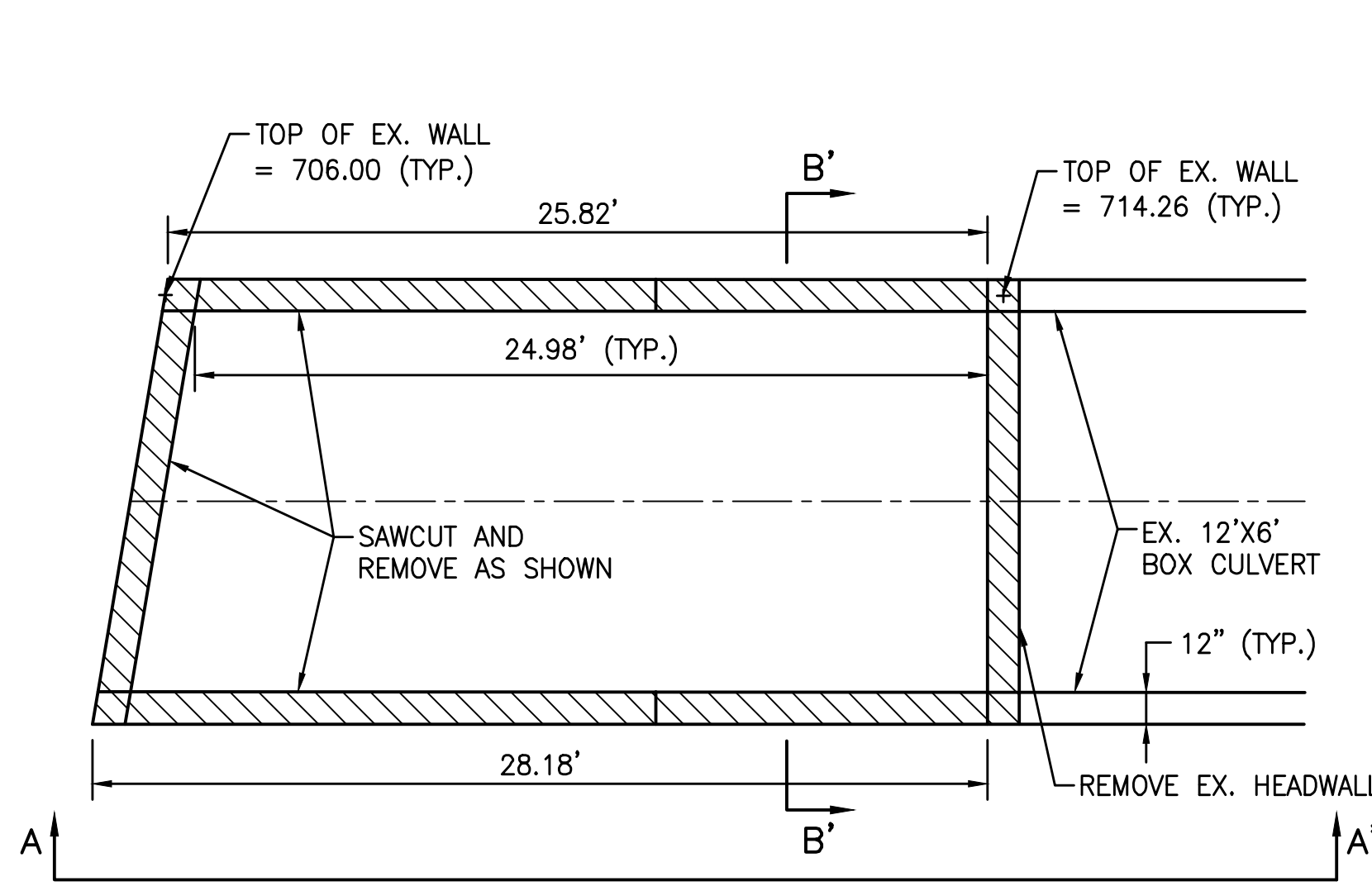
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 1500 Lake Shore Drive, Suite 100
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 (614) 486-4383
 (614) 486-4387

**PROFILES
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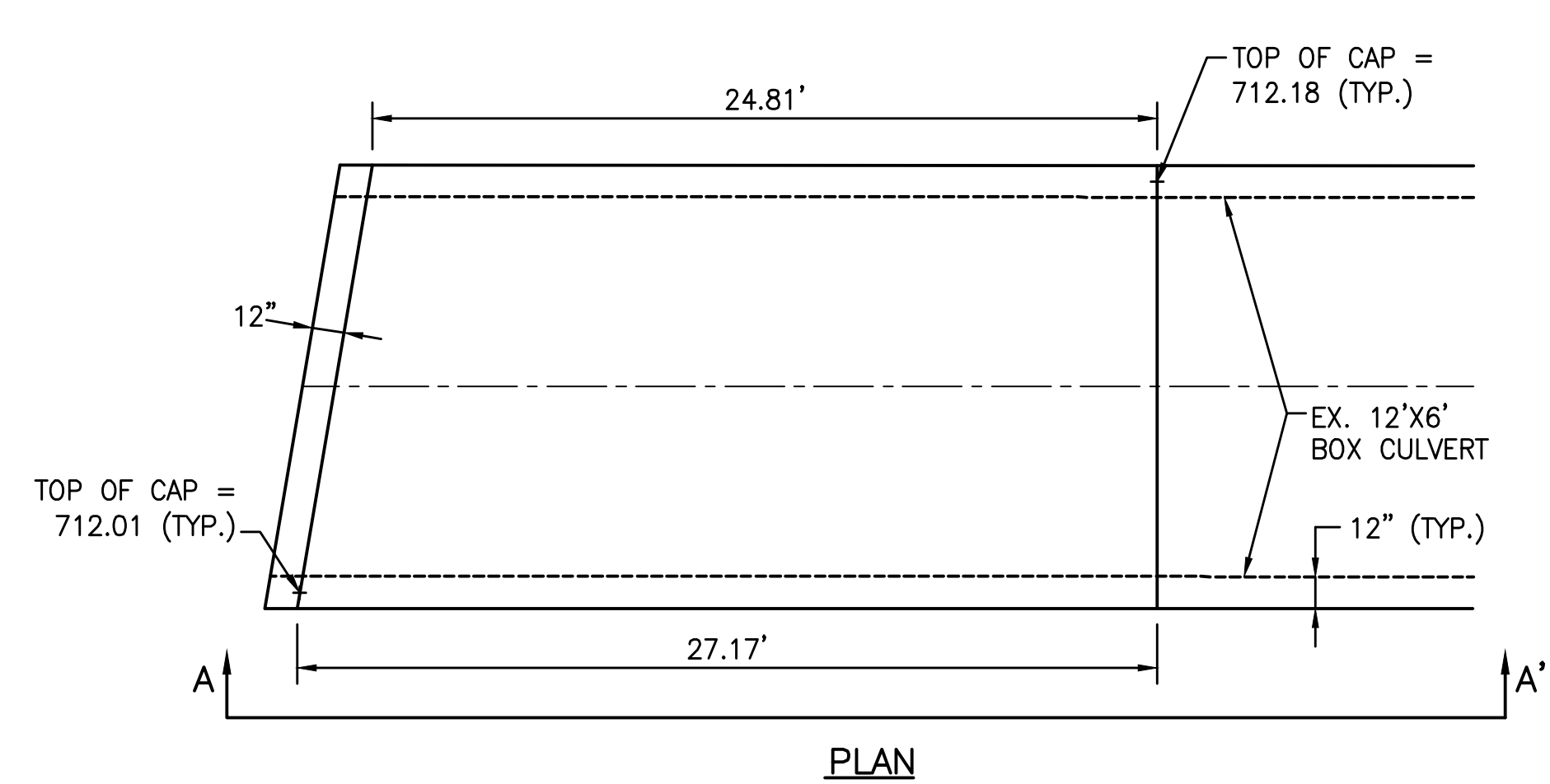
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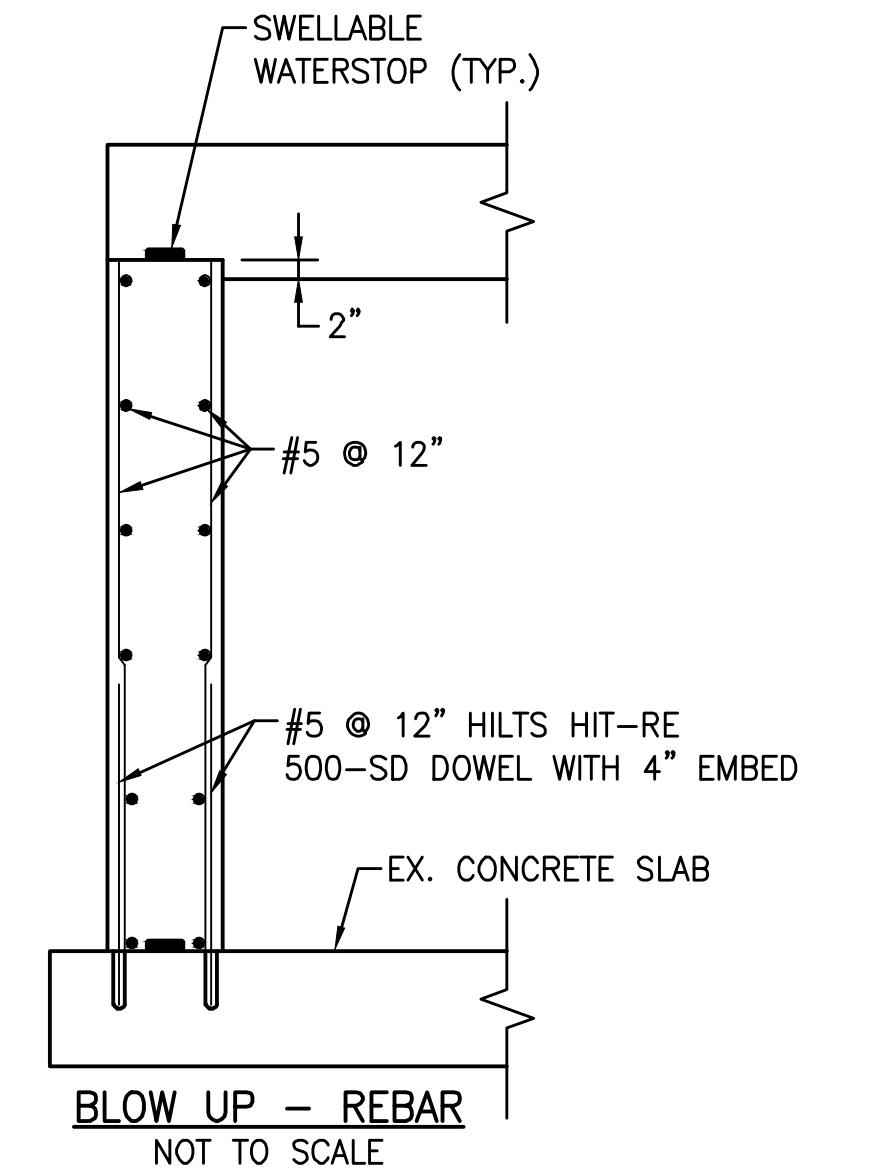
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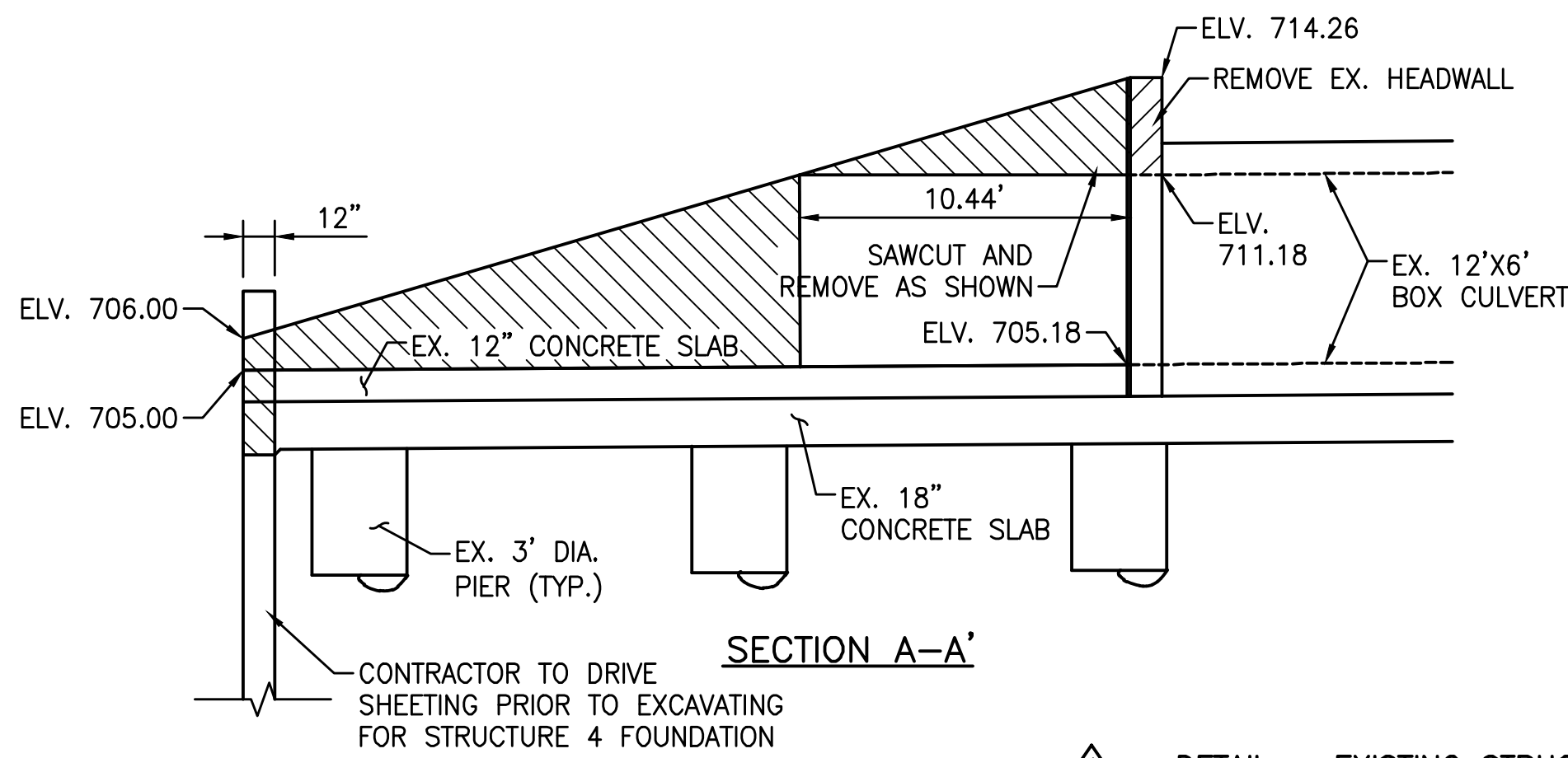
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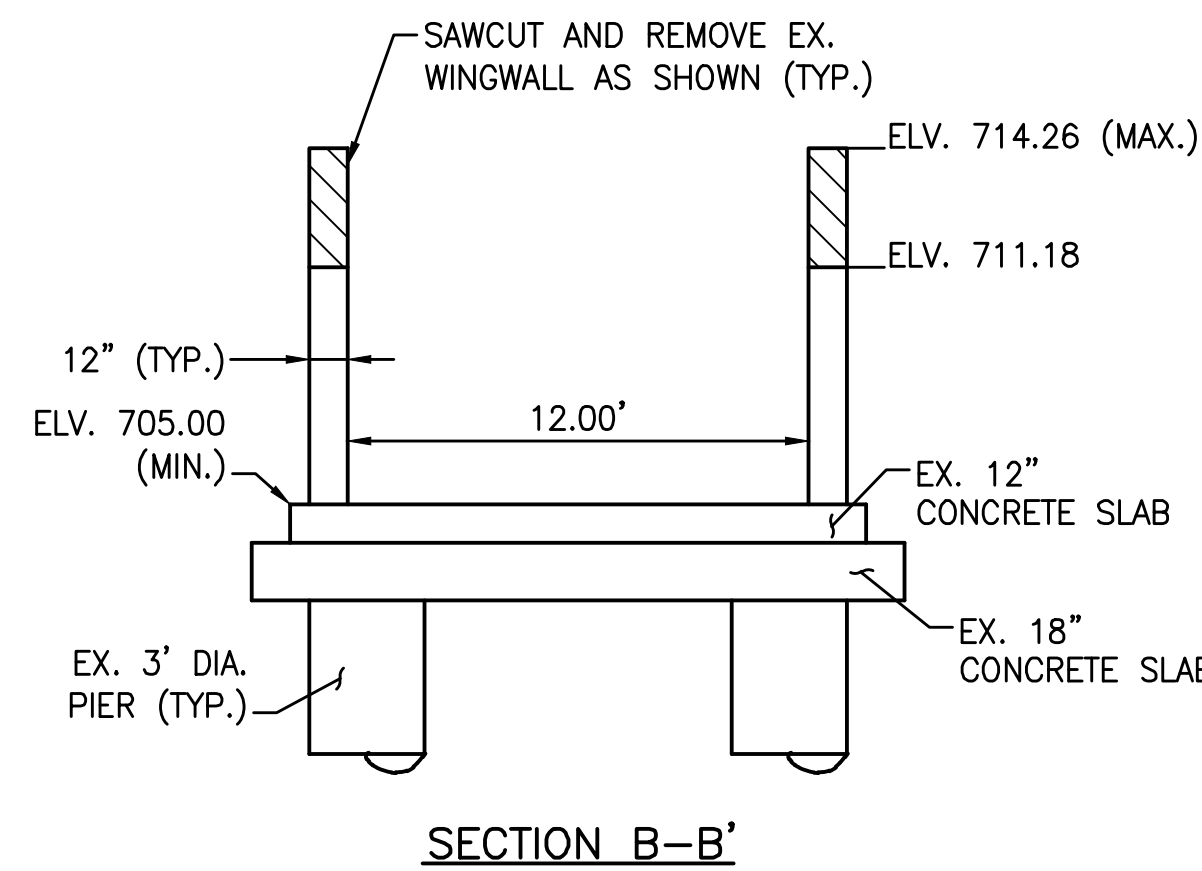
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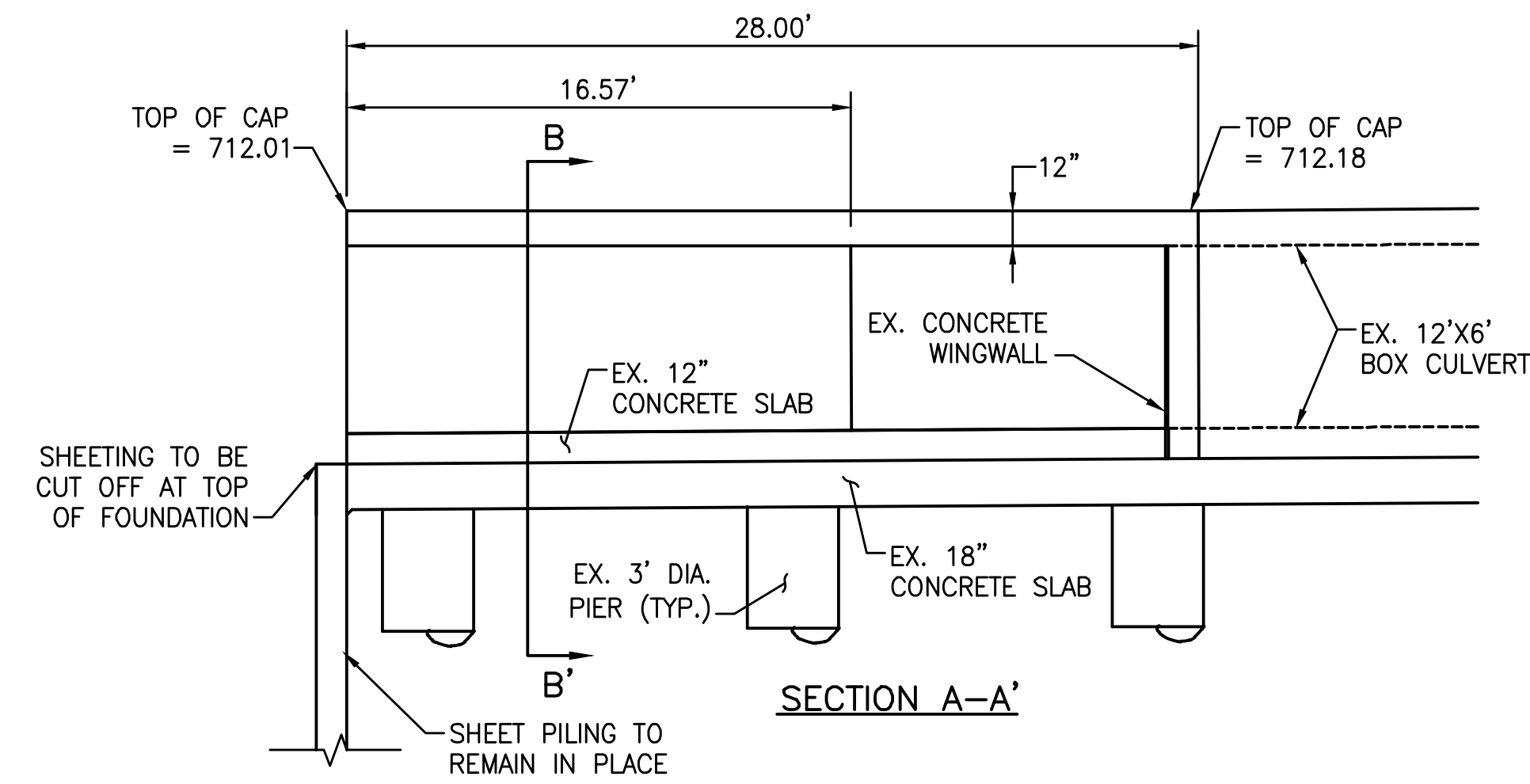
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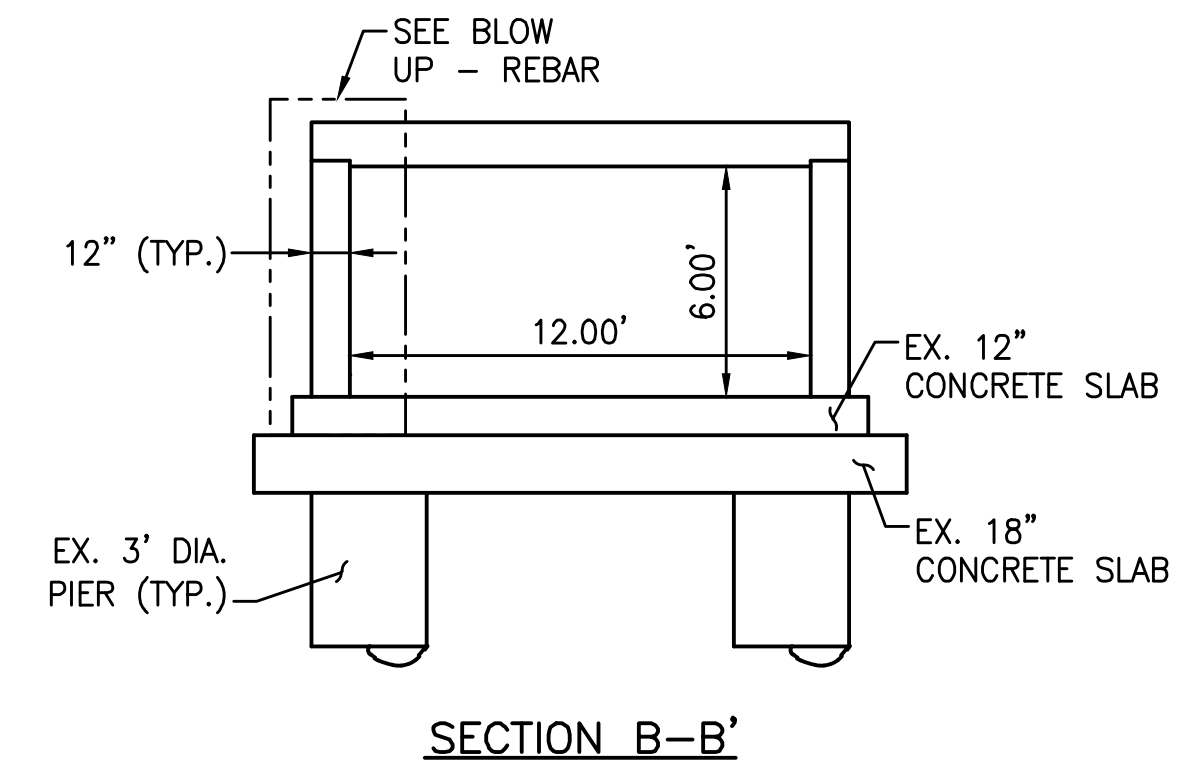
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SECTION B-B'



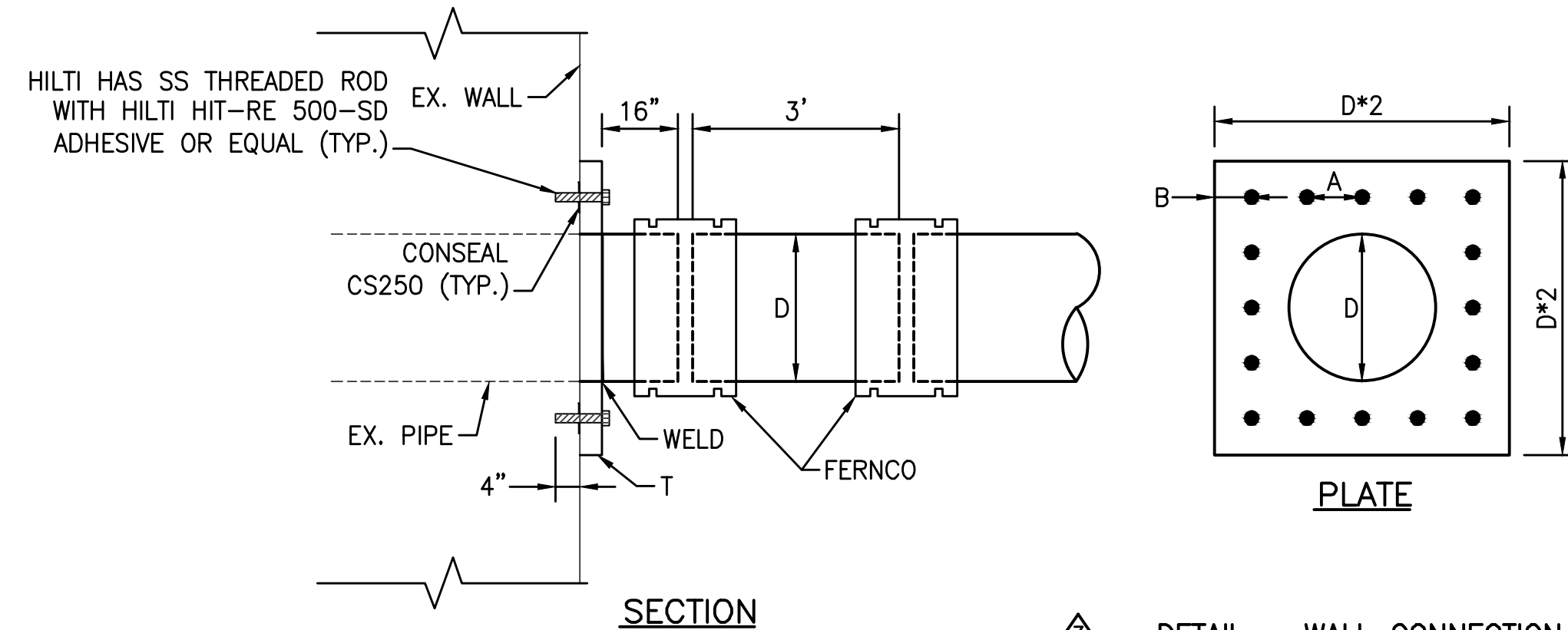
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SECTION B-B'

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1"=5'

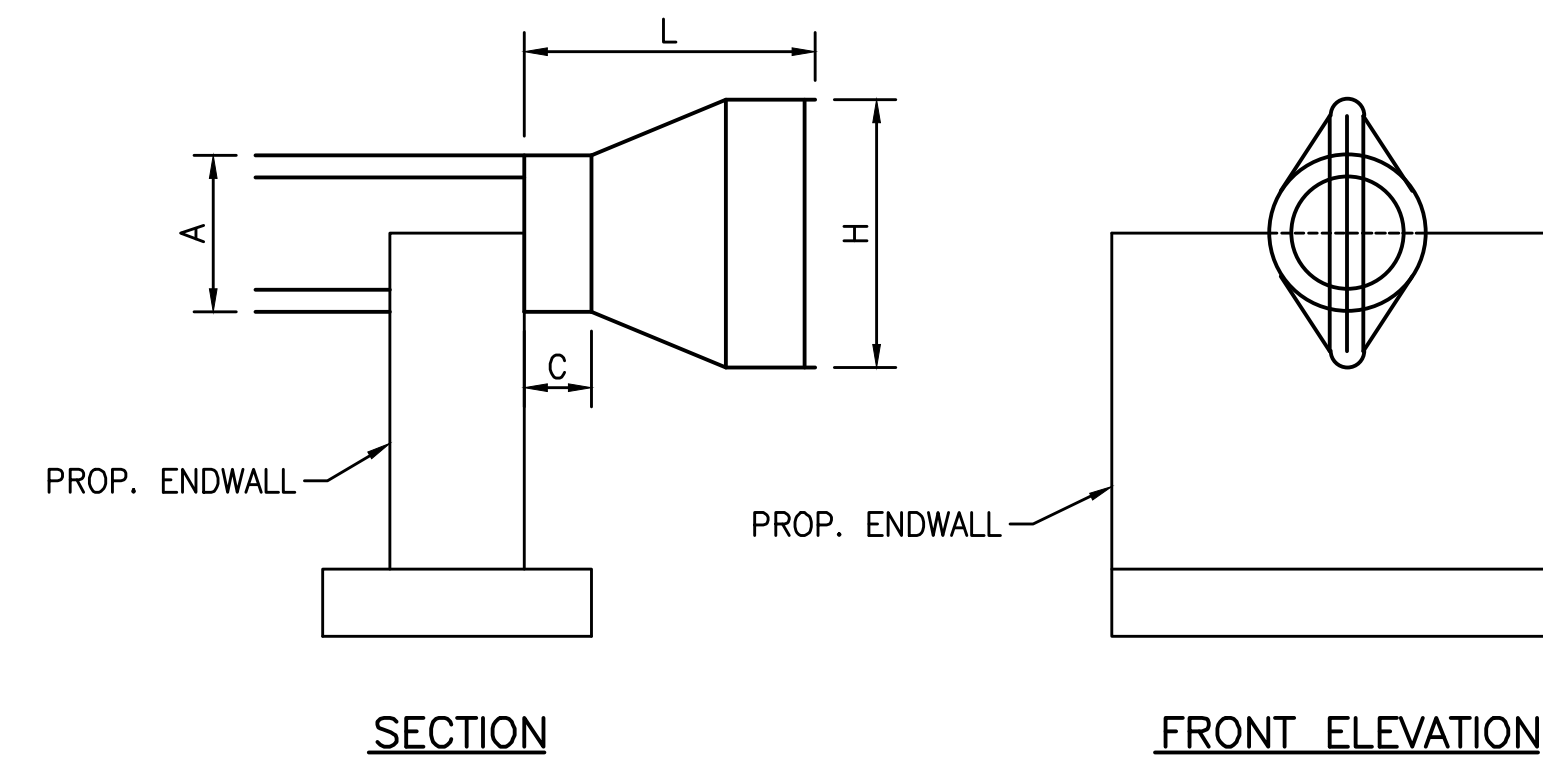
2
CS-103
1"=5'



3
CS-103
1"=2'

WALL CONNECTION TABLE				
PIPE Ø (D) (INCHES)	(A) (INCHES)	(B) (INCHES)	PLATE (T) (INCHES)	BOLT Ø (INCHES)
4	3	1	1/4	3/8
6	3	1	1/4	3/8
8	4.5	1.25	3/8	1/2
12	5	2	3/8	1/2
15	6.5	2	3/8	5/8
18	8	2	3/8	5/8
24	11	2	1/2	5/8
30	14	2	1/2	3/4
36	13.6	2	1/2	3/4

*CONTRACTOR SHALL VERIFY EXISTING PIPE/WALL OPENING TO ENSURE PROPER PLATE OPENING AND DOWNSTREAM PIPE DO NOT RESTRICT FLOW. ANY RESTRICTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO INSTALLATION.



4
CS-103
NOT TO SCALE

CHECK VALVE TABLE			
PIPE O.D. (A) (INCHES)	LENGTH (L) (INCHES)	BILL HEIGHT (H) (INCHES)	CUFF LENGTH (C) (INCHES)
14	26	22	4
16	30	27	6
20	34	33	8 1/2
22	38	33	8
26	42	39	8
28	42	39	8
30	45	50	9
32	46	53	10
36	50	61	10
40	50	61	10

*CHECK VALVE SHALL BE TIDEFLEX SERIES TF-2 OR APPROVED EQUAL. CONTRACTOR SHALL SUBMIT SHOP DRAWING TO ENGINEER FOR APPROVAL.

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EASEMENT REFERENCE			REVISIONS		
CITY NO.	COUNTY RECORDER VOL. PAGE	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE

EASEMENT REFERENCE			REVISIONS		
CITY NO.	COUNTY RECORDER VOL. PAGE	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE

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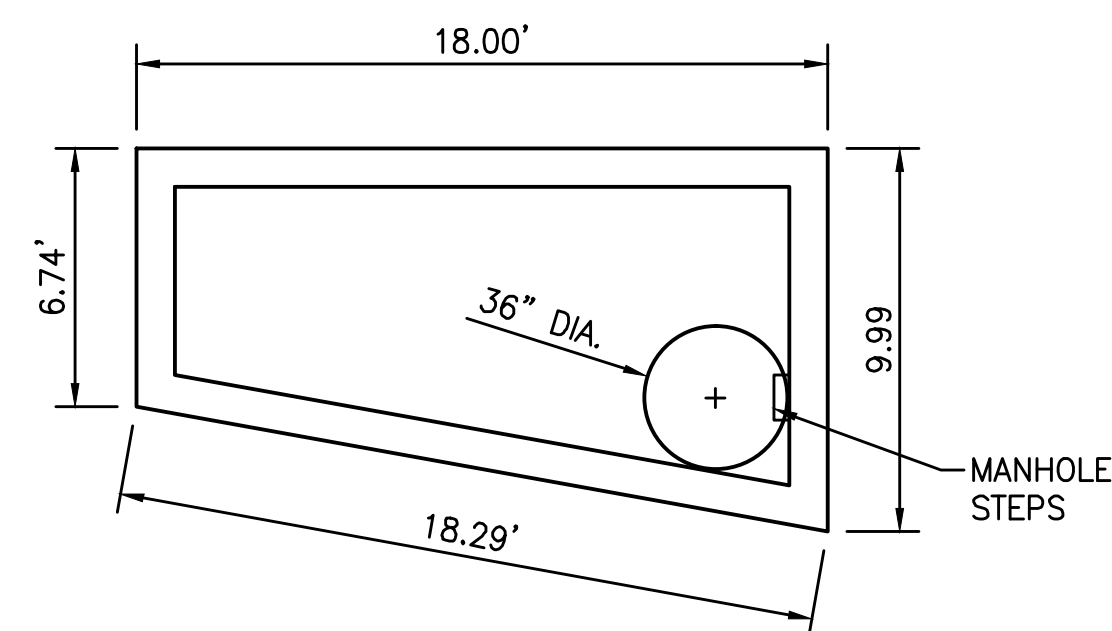
Stantec Consulting Services Inc.
 1500 Lake Shore Drive, Suite 100
 Columbus, Ohio 43204
 (614) 486-4383
 (614) 486-4387

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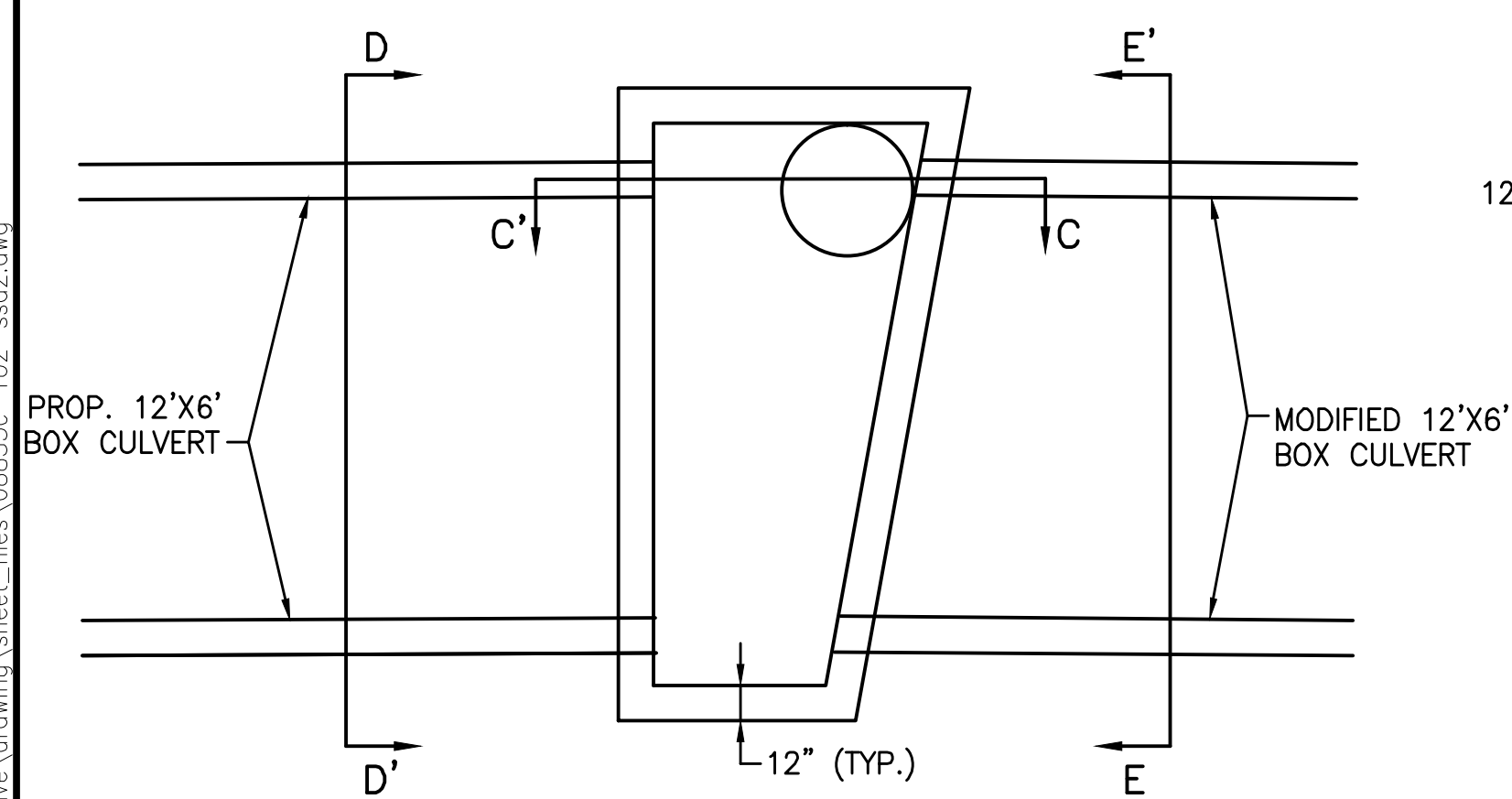
SEWER EXTENSION DETAILS

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIO TO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	GLD	CON. DR.
INDEX DETAIL	RECORD FILE		

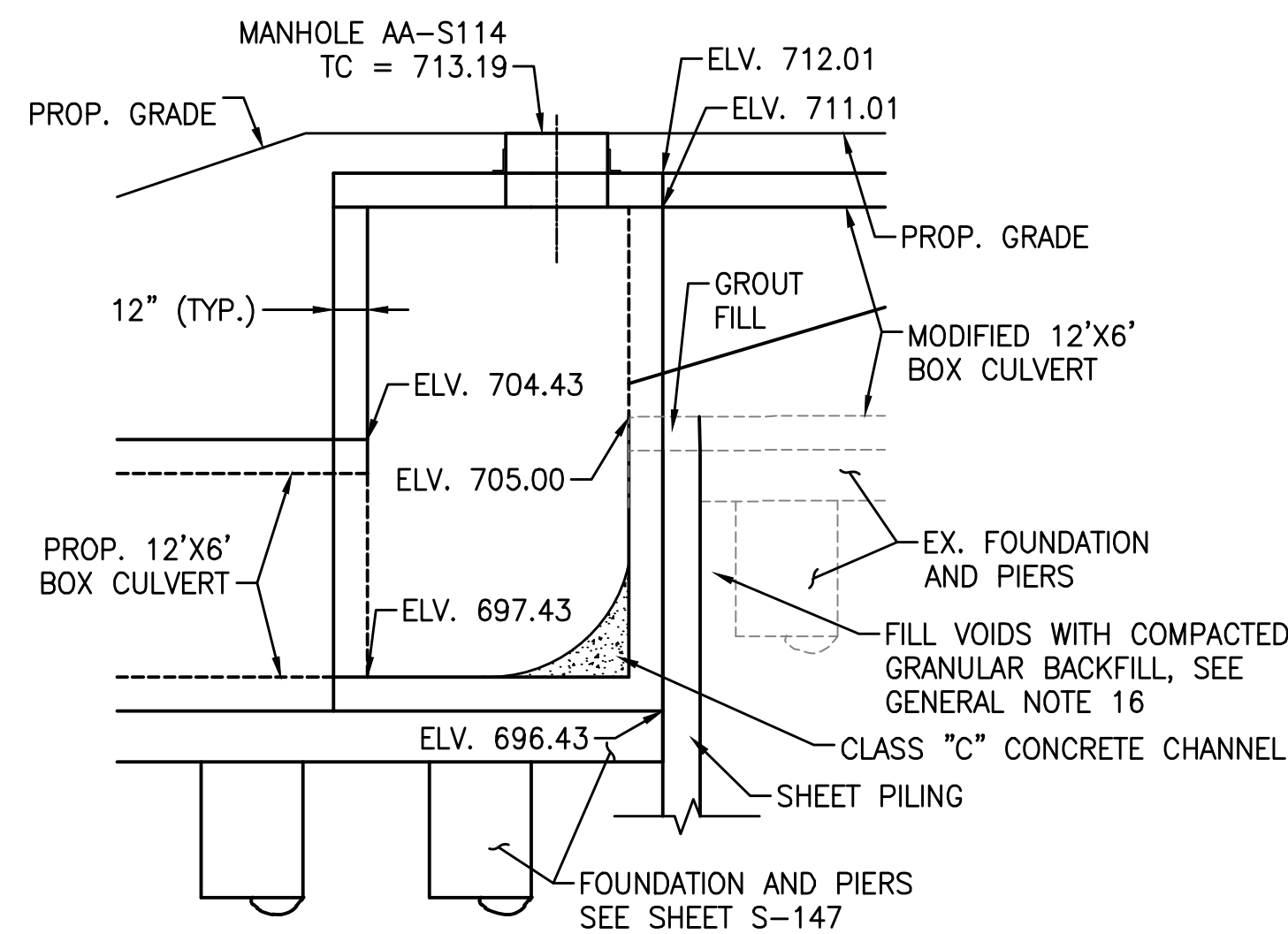
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SCALE: NONE	SHEET: CS-103
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



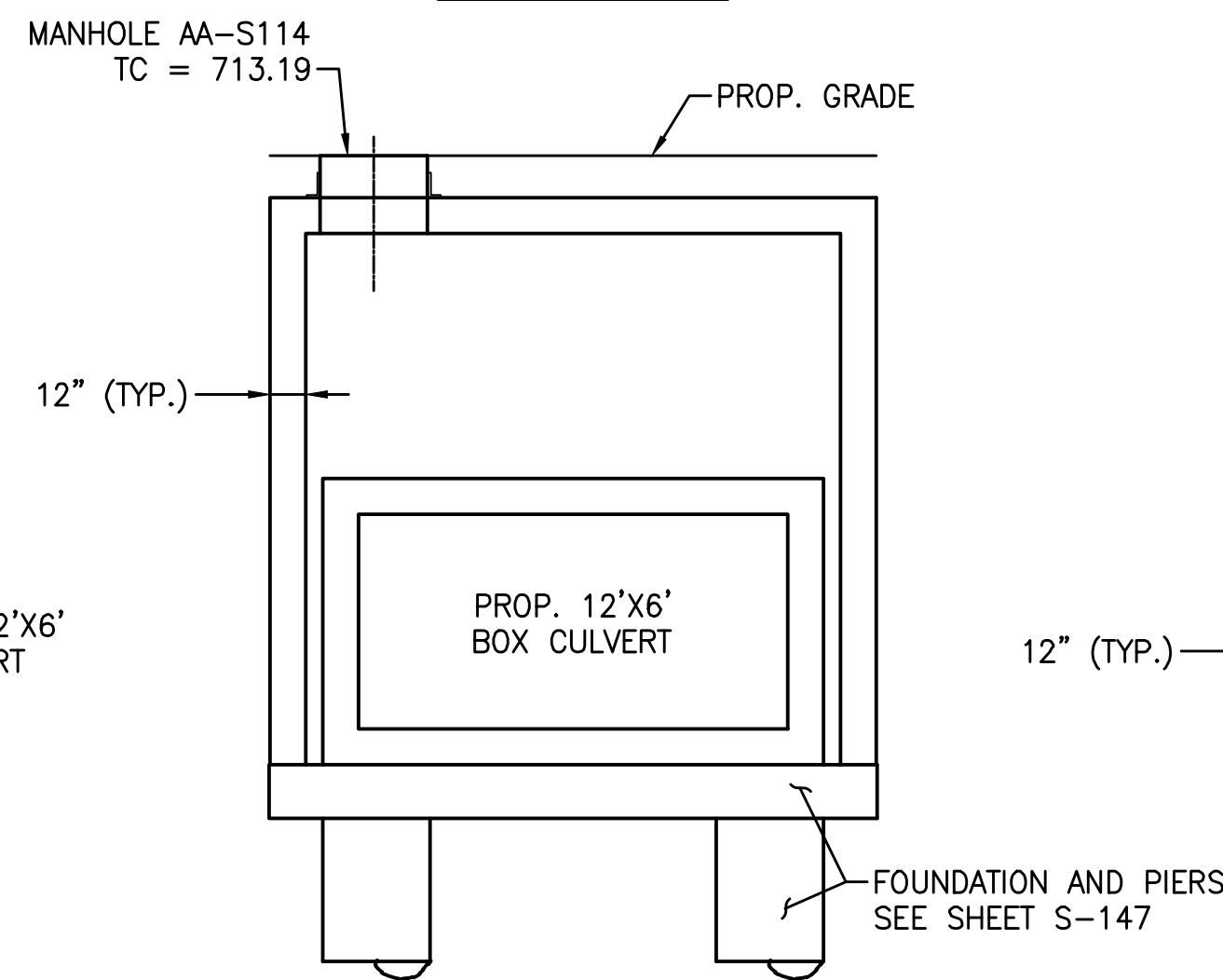
TOP SLAB



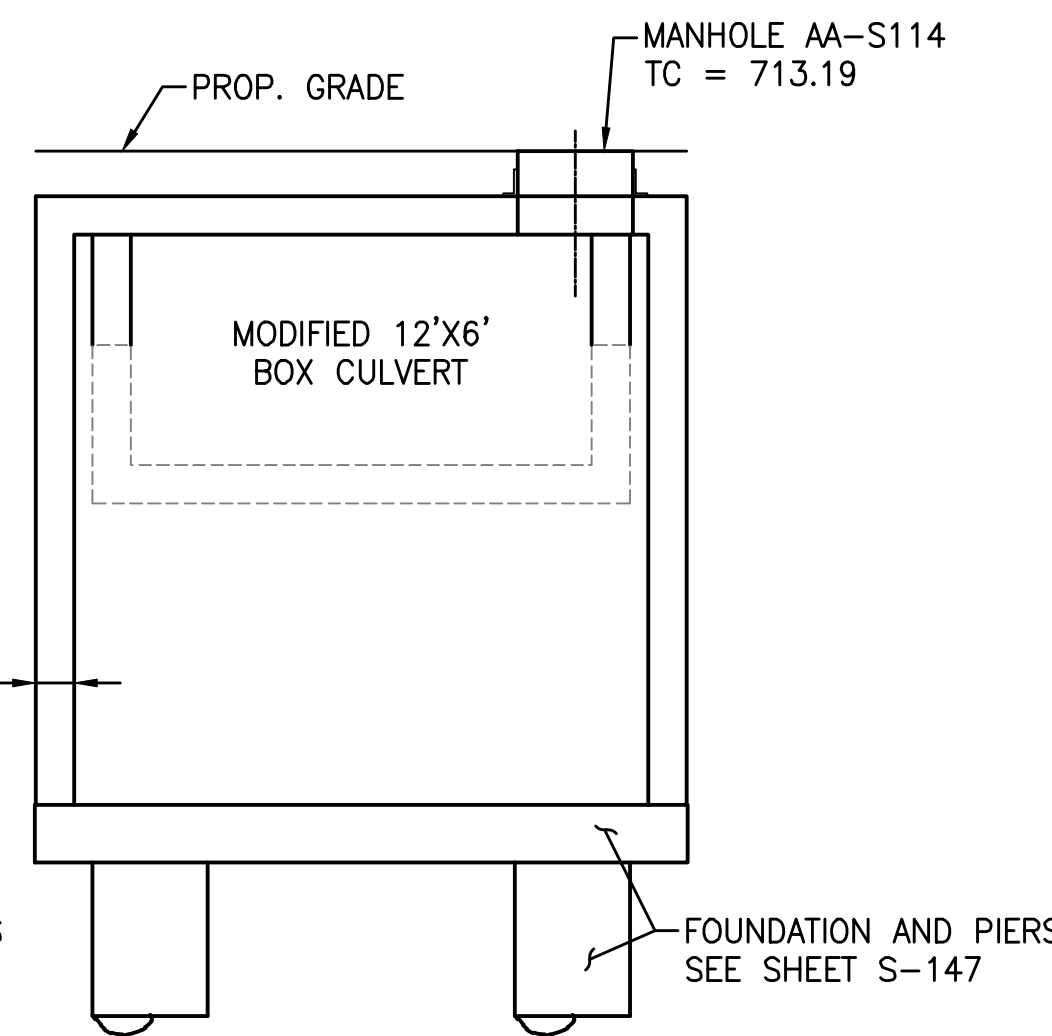
PLAN



SECTION C-C'

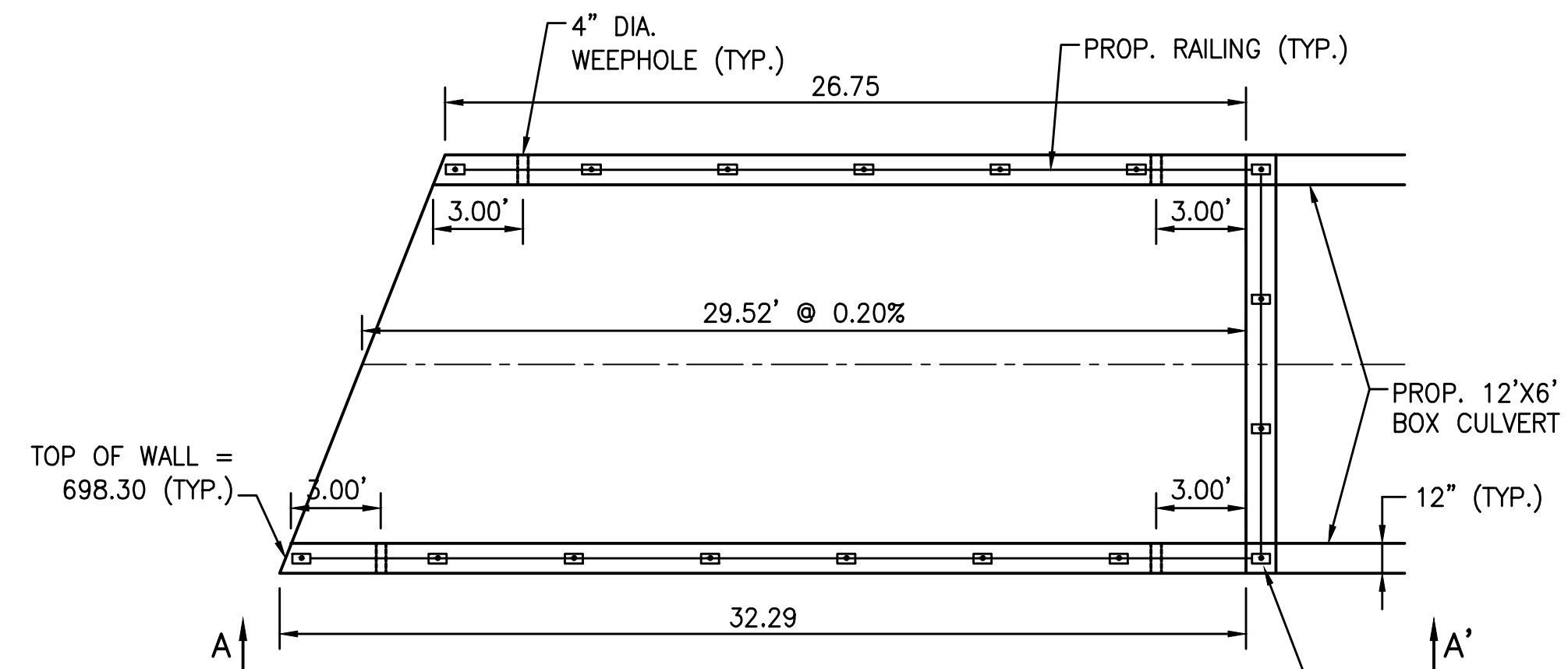


SECTION D-D'

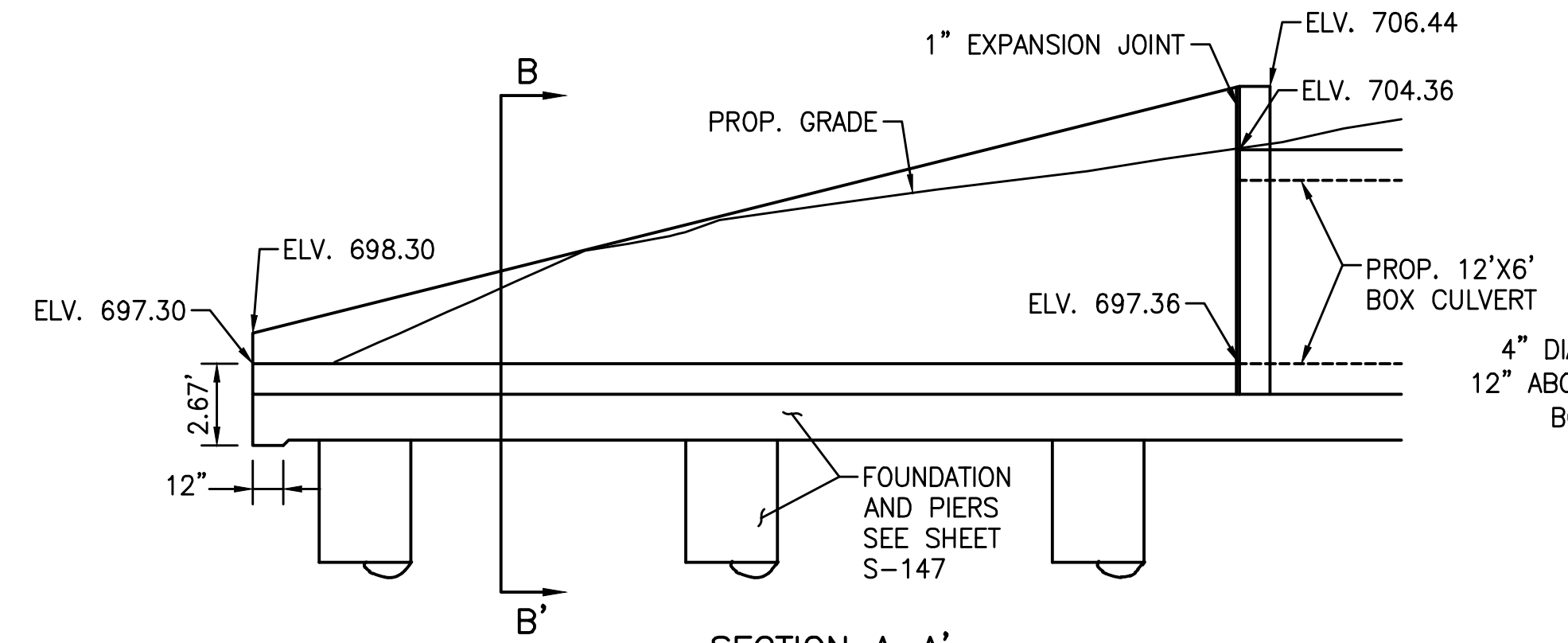


SECTION E-E'

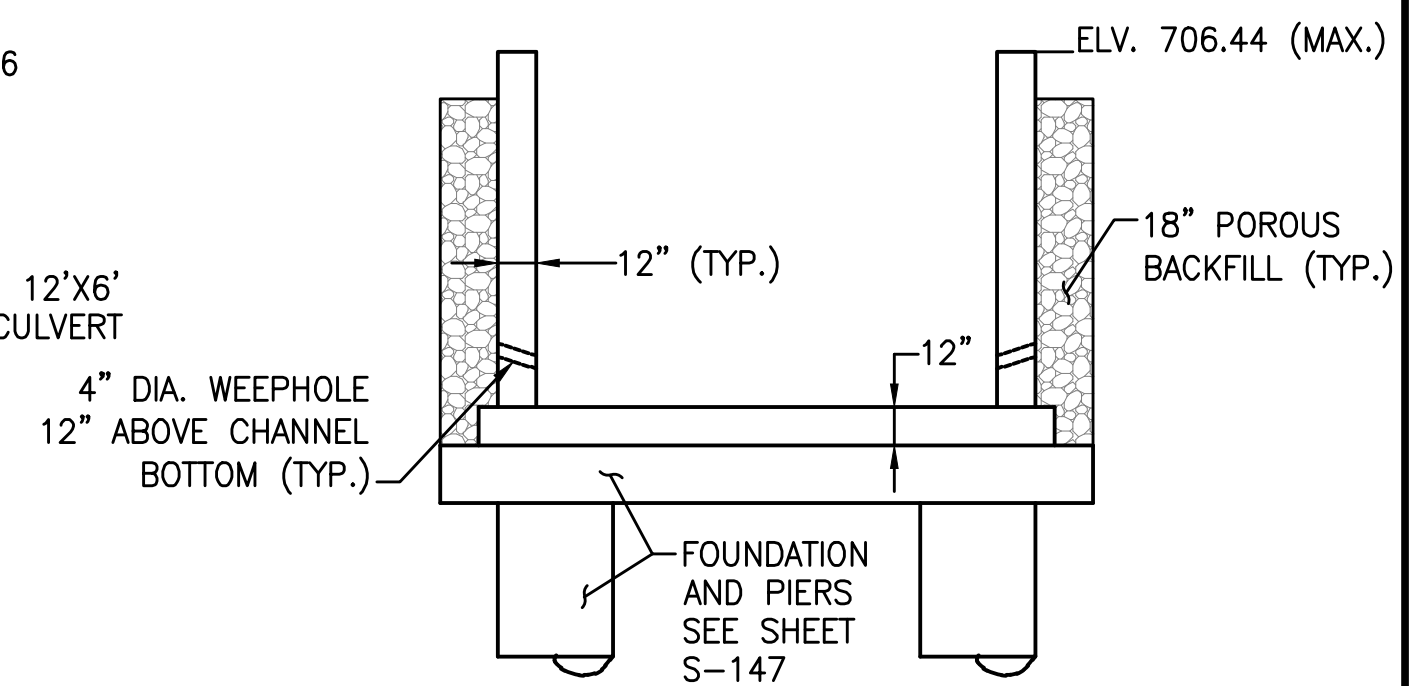
DETAIL - PROPOSED STRUCTURE 4
CS-104 1"=5'



PLAN



SECTION A-A'



SECTION B-B'

DETAIL - PROPOSED STRUCTURE D
CS-104 1"=5'

EASEMENT REFERENCE

CITY NO.	COUNTY RECORDER		GRANTOR
	VOL.	PAGE	

REVISIONS

NO.	DESCRIPTION	APPROVAL/DATE

PREPARED BY:

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1500 Lake Shore Drive, Suite 100
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(614) 486-4383
(614) 486-4387

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LANDSCAPE ARCHITECTURE • CIVIL PLANNING

PROJECT TITLE:

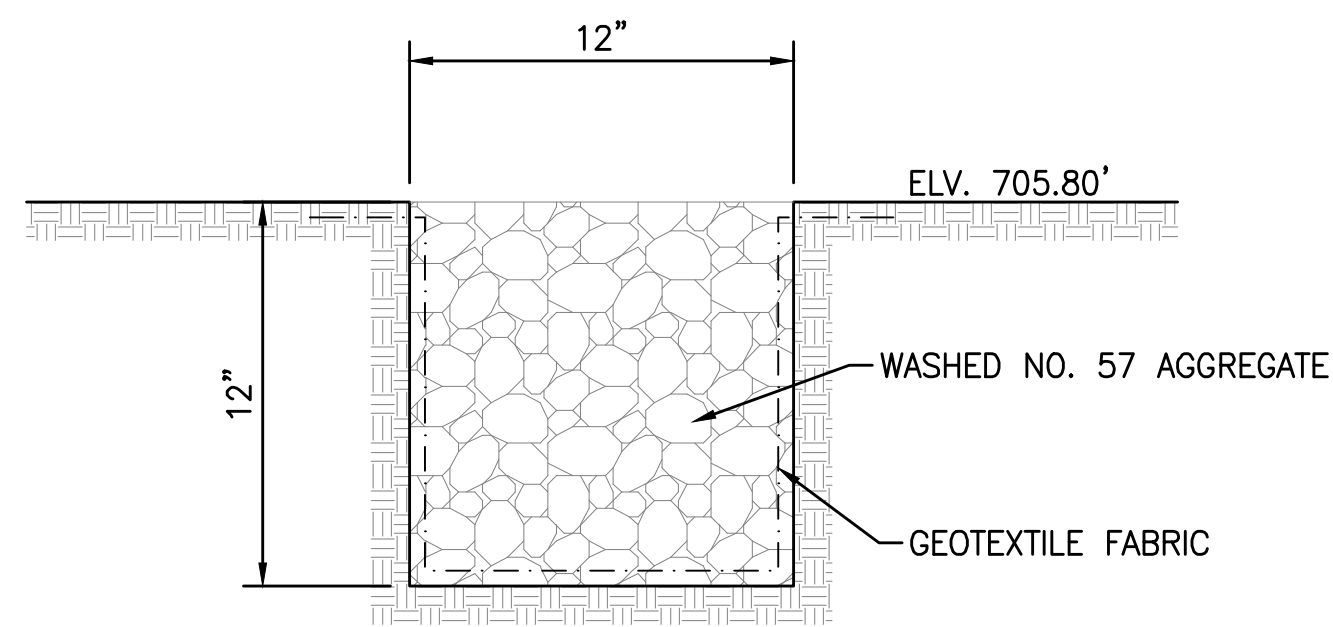
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
	AGREEMENT	COMPLETED	
	RPD	CKD	CLD CON. DR.
	INDEX	RECORD FILE	

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

SCALE: NONE SHEET: CS-104
CONTRACT DRAWING NO. CC-16423 RECORD PLAN NO.

SEWER EXTENSION DETAILS

LEVEL SPREADER LOCATION TABLE			
BEGIN STA.	BEGIN OFFSET	END STA.	END OFFSET
31+89.85	248.06' (R)	37+73.65	275.84' (R)
45+15.04	266.18' (R)	51+55.27	240.09' (R)

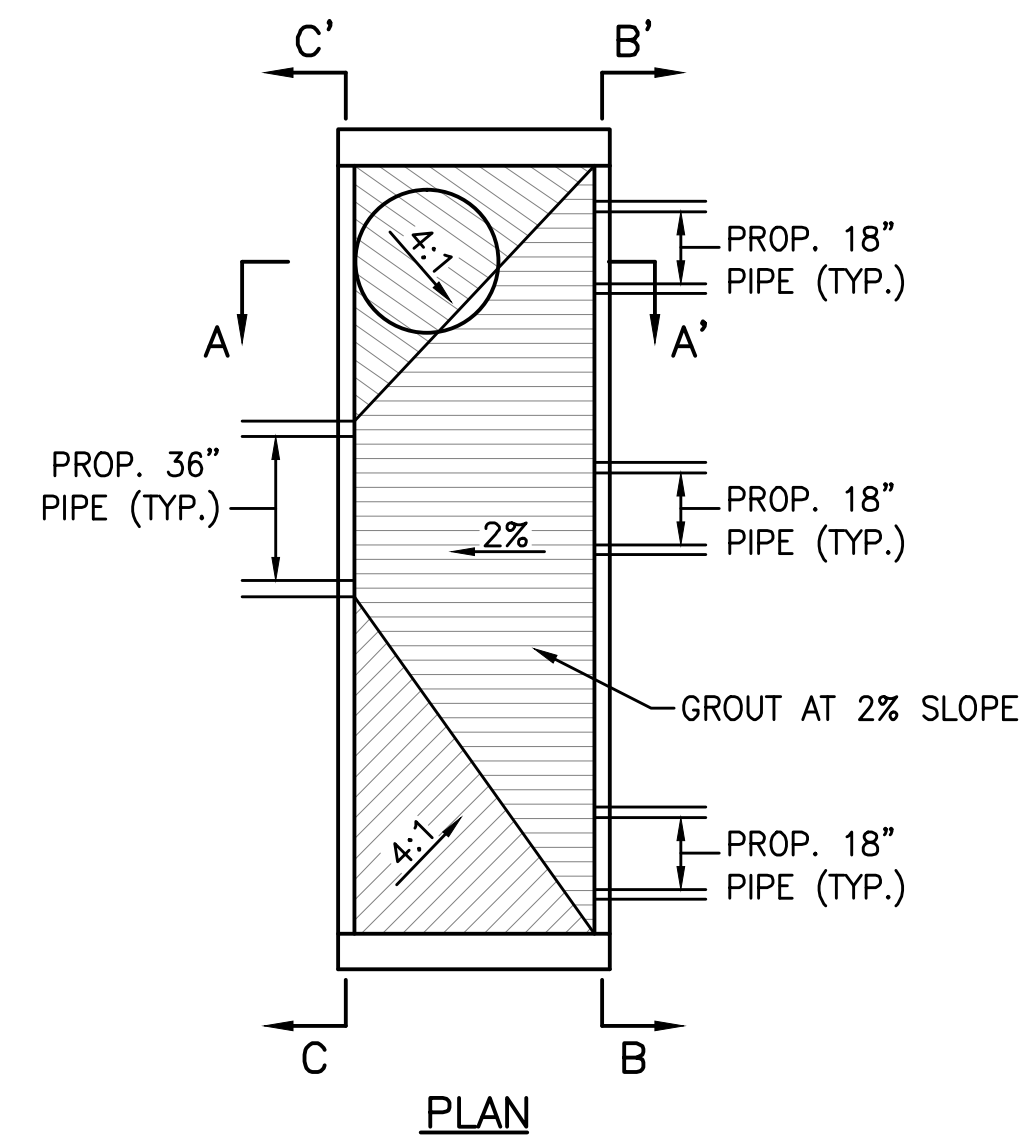
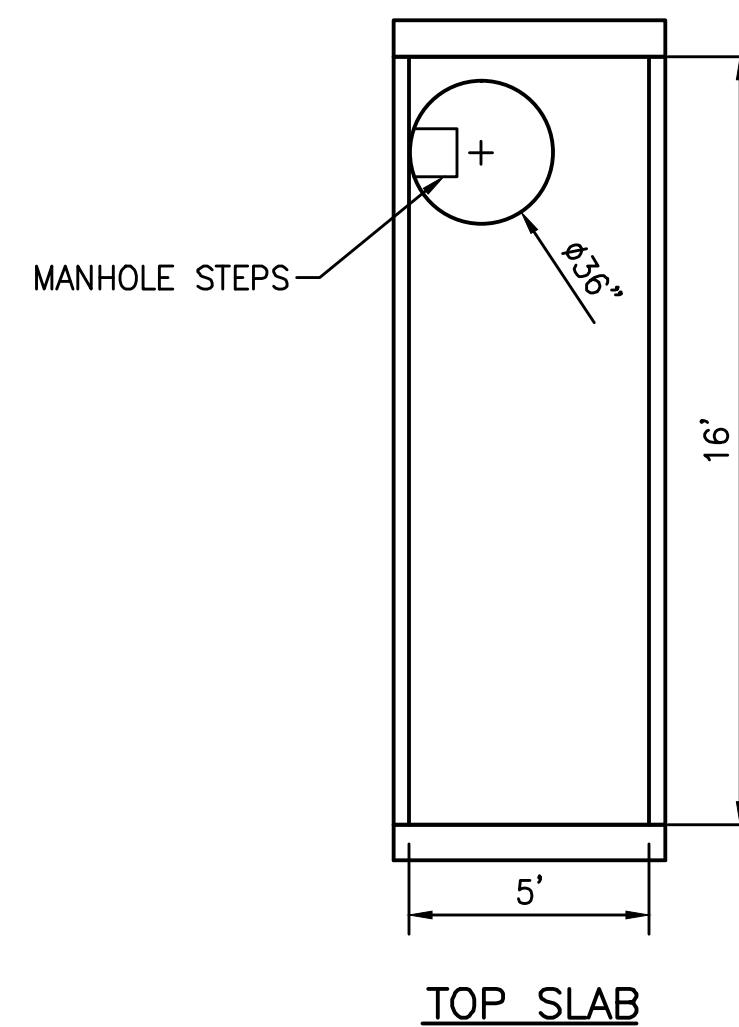
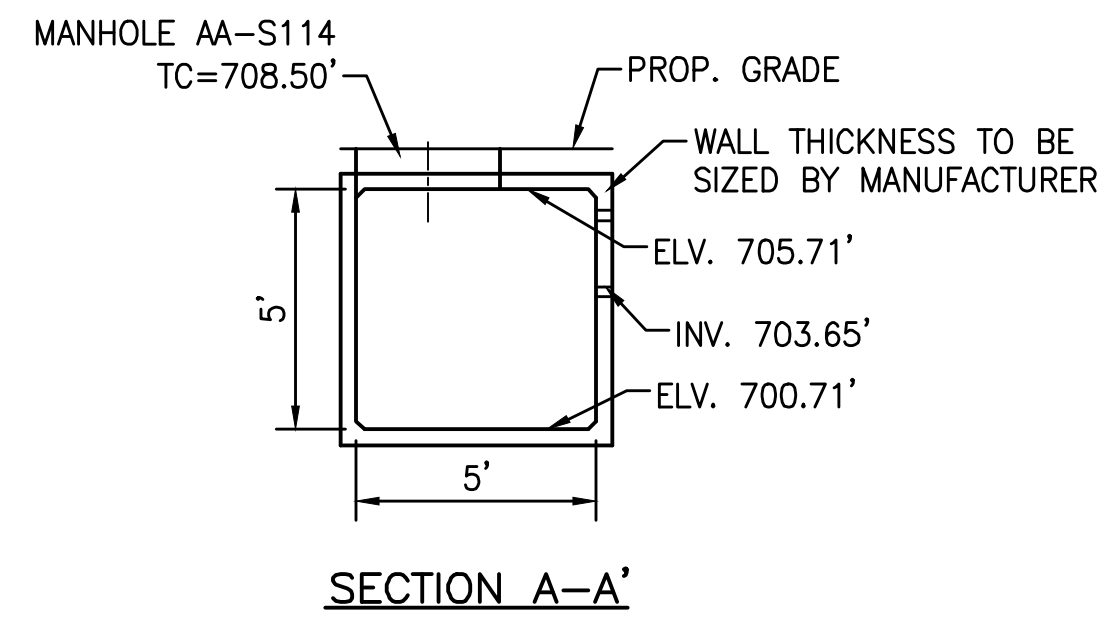


Vegetated Filter Strip Checklist			
Check	Inspection Frequency	Potential Problem	Preferred Maintenance Activity
✓	Monthly	Flow not evenly distributed	Adjust spreader to be level and clean so that flows spread evenly over entire filter strip.
	Monthly	Invasive vegetation	Remove invasive vegetation and excess weeds as necessary.
	Monthly	Vegetation height	Mow grass to a height of 3 to 4 inches and control invasive vegetation such that flow is not impeded.
	Monthly	Erosion	Repair ruts or bare areas by adding topsoil and re-vegetating.
	Monthly	Sediment Accumulation	Remove sediment deposits that exceed 2 inches in depth and ensure flow will pass evenly through strip.
	Monthly	Trash and Debris	Remove all trash and debris.

NOTE:

1. THE VEGETATIVE FILTER STRIP AND LEVEL SPREADER, DETAIL 2/CS-105, ARE AN INTEGRAL PART OF THE STORM SEWER SYSTEM DEPICTED IN THESE DRAWINGS. RESPONSIBILITY AND ASSURANCE OF PERIODIC MAINTENANCE AND THE CONTINUOUS FUNCTIONALITY OF THIS STORMWATER QUALITY DEVICE IS PERPETUAL; BEGINNING WITH THE OWNER AT THE TIME OF INSTALLATION AND CONTINUING TO ALL FUTURE OWNERS OF SAID STORM SEWER SYSTEM. SEE SHEET CS-105 FOR POST CONSTRUCTION INSPECTION AND MAINTENANCE REQUIREMENTS.

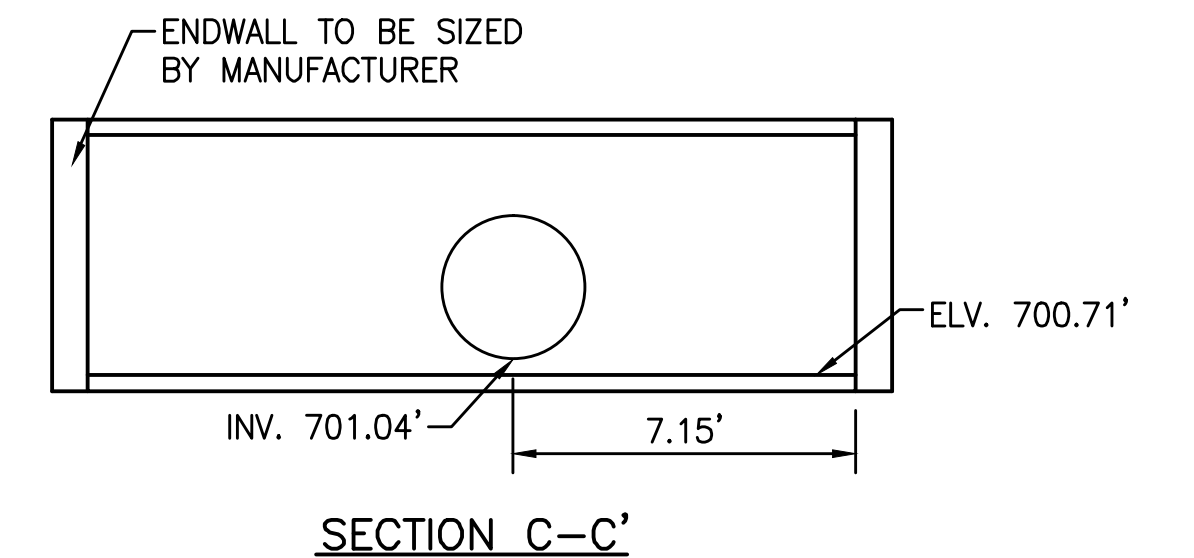
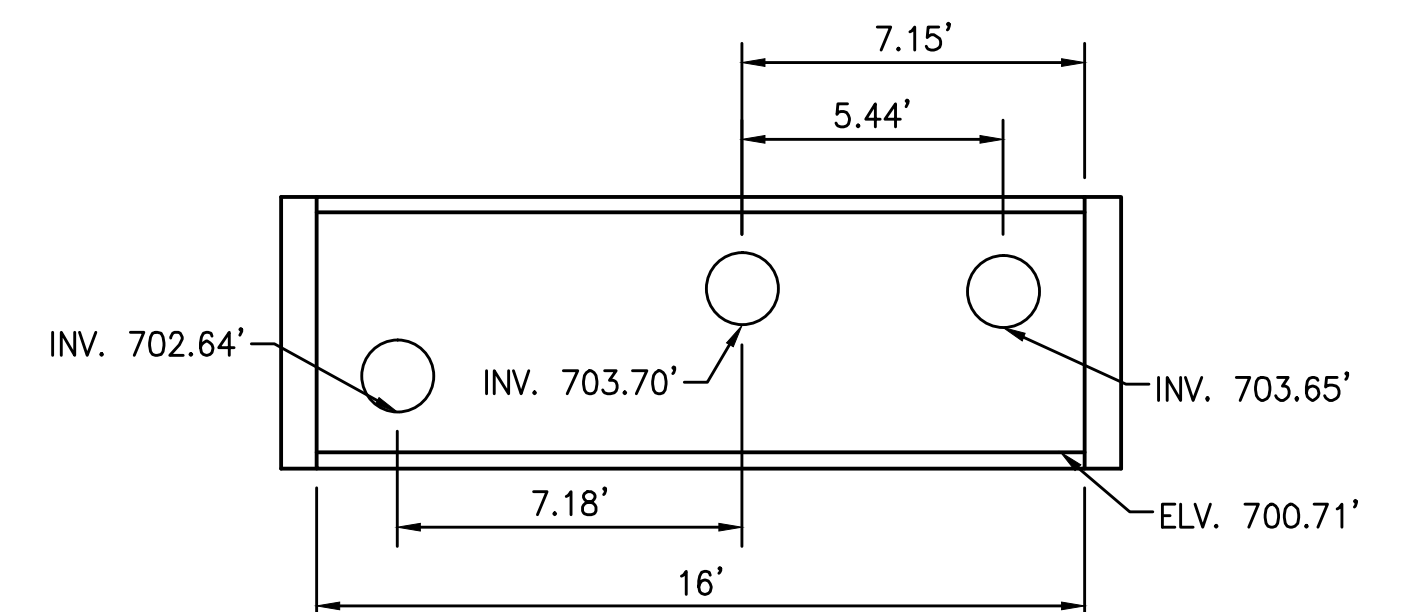
2 DETAIL - LEVEL SPREADER
CS-105 NOT TO SCALE



1 DETAIL - STRUCTURE 23
CS-105 1"=4'

EXCAVATION NOTE:

1. AREA BENEATH STRUCTURE 23 SHALL BE OVER-EXCAVATED TO A DENSE TO VERY-DENSE GRANULAR LAYER OCCURRING AT OR BELOW ELEVATION 695. THE OVER-EXCAVATION SHALL BE BACKFILLED WITH FREE-DRAINING COARSE AGGREGATE (SUCH AS ODOT NO. 2 STONE) TO WITHIN 6-INCHES OF THE FOUNDATION BEARING LEVEL. THE TOP 6-INCHES SHALL BE COMPRISED OF COMPACTED ITEM 304, AND PROVIDE A LEVEL BEARING SURFACE. THE OVER-EXCAVATION SHALL BE EXTENDED Laterally BEYOND THE LIMITS OF STRUCTURE IN ALL DIRECTIONS BY A DISTANCE NOT LESS THAN 2-Feet PLUS THE DEPTH OF OVER-EXCAVATION.



SECTION B-B'

SECTION C-C'

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CITY NO.	COUNTY RECORDER	GRANTOR
	VOL. PAGE	

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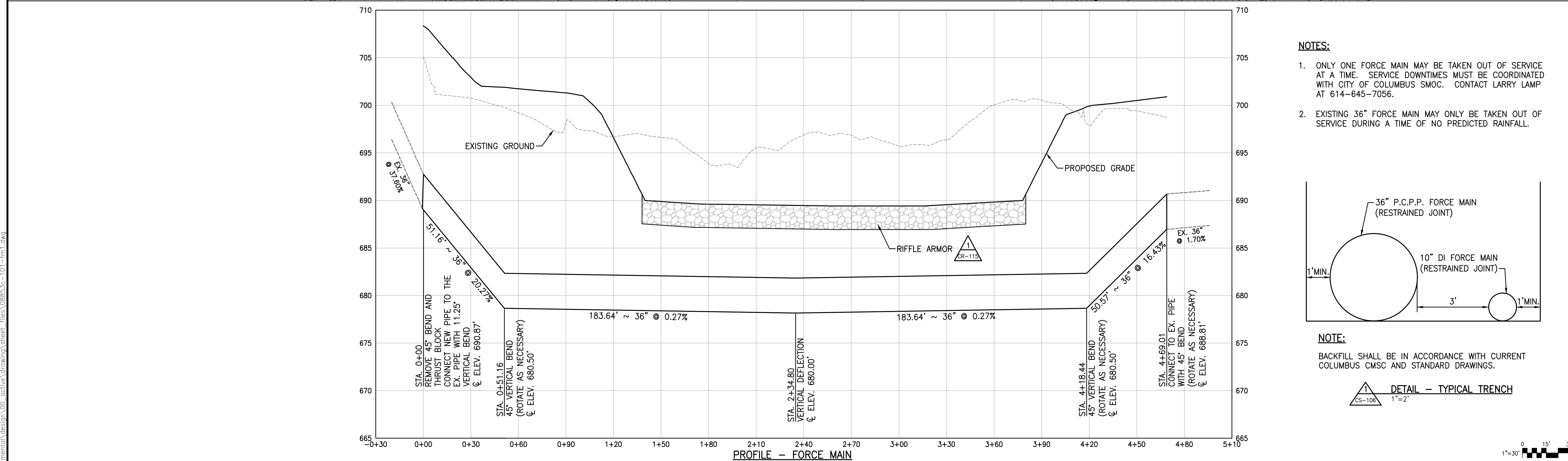
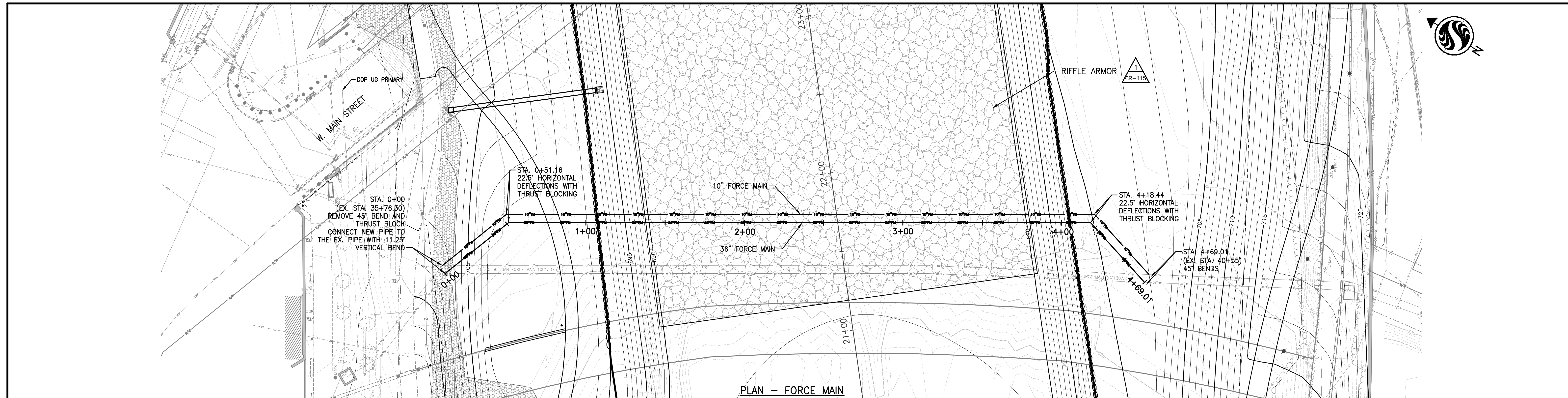
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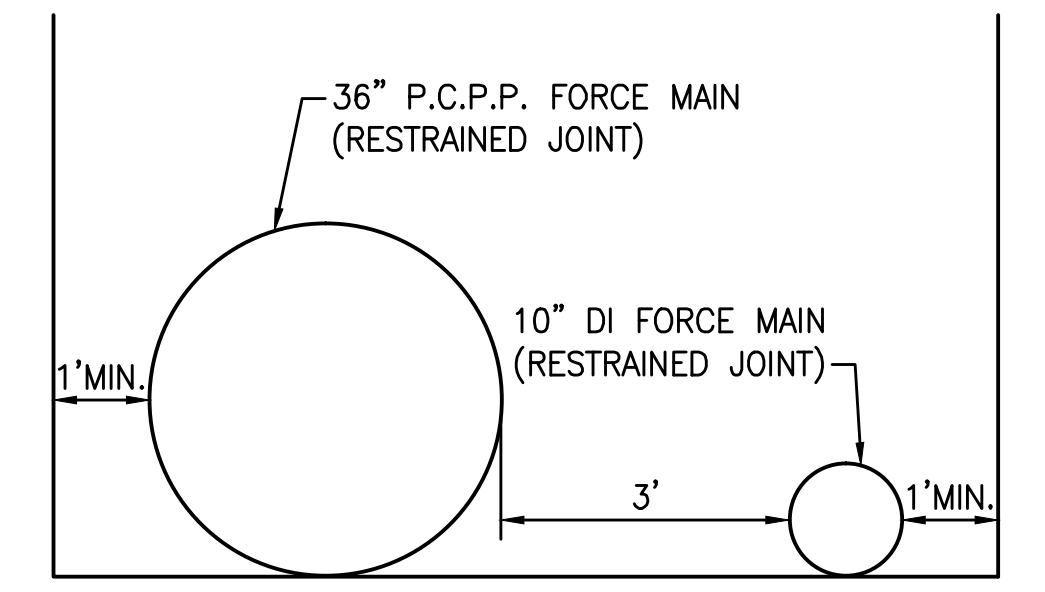
SEWER EXTENSION DETAILS

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	CLD	CON. DR.
INDEX DETAIL	RECORD FILE		

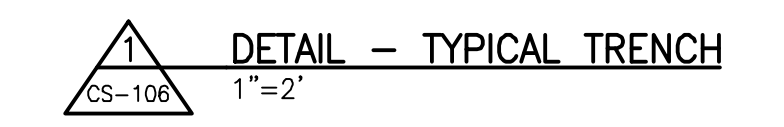
CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: NONE	SHEET: CS-105
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



- NOTES:**
- ONLY ONE FORCE MAIN MAY BE TAKEN OUT OF SERVICE AT A TIME. SERVICE DOWNTIMES MUST BE COORDINATED WITH CITY OF COLUMBUS SMOC. CONTACT LARRY LAMP AT 614-645-7056.
 - EXISTING 36" FORCE MAIN MAY ONLY BE TAKEN OUT OF SERVICE DURING A TIME OF NO PREDICTED RAINFALL.



NOTE:
BACKFILL SHALL BE IN ACCORDANCE WITH CURRENT COLUMBUS CMSC AND STANDARD DRAWINGS.



EASEMENT REFERENCE		
CITY NO.	COUNTY RECORDER	GRANTOR
	VOL. PAGE	

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

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(614) 486-4383
(614) 486-4387

FORCE MAIN PLAN AND PROFILE

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
INSPECTOR			
AGREEMENT	COMPLETED		
RPD	CKD	CLD	CON. DR.
INDEX DETAIL	RECORD FILE		

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 1" = 30'H 1" = 5'V	SHEET: CS-106
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

GENERAL

- 1. THE SYMBOLS, ABBREVIATIONS, AND LAP SPLICE AND EMBEDMENT TABLE ON THIS SHEET IS A COMPREHENSIVE STANDARD GUIDE FOR GENERAL USE ON ALL PROJECTS...
2. QUALITY OF CONSTRUCTION REQUIRED, PERFORMANCE LEVELS OF WORKMANSHIP, MANUFACTURING AND INDUSTRY STANDARDS, STRENGTH AND PHYSICAL REQUIREMENTS OF MATERIALS, CONFORMANCE TO CODES AND REGULATIONS, GUARANTEES AND OTHER PROJECT REQUIREMENTS ARE SPECIFIED IN THE PROJECT MANUAL.
3. IF MATERIALS, QUANTITIES, STRENGTHS OR SIZES INDICATED BY THE DRAWINGS OR SPECIFICATIONS ARE NOT IN AGREEMENT WITH THESE NOTES...
4. PERFORM ALL WORK IN COORDINATION WITH ALL DRAWINGS AND INFORMATION RELATED TO STRUCTURAL WORK...
5. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE SAFETY OF THE STRUCTURE...
6. STRUCTURES HAVE BEEN DESIGNED FOR DESIGN LOADS SHOWN OR SPECIFIED...
7. DURING CONSTRUCTION, STRUCTURE MAY BE BUOYANT WHEN EMPTY...
8. ALL DIMENSIONS AND ELEVATIONS NOTED THUS (*) ON STRUCTURES SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR...
9. ALL LOADS SHOWN ON THE DRAWINGS ARE SERVICE LOADS AND ARE TO BE CONSIDERED MINIMUM MEMBER DESIGN FORCES.
10. DESIGN LOADS: BASED ON THE 2011 OHIO BUILDING CODE.

Table with columns for load type (FLOOR LIVE LOADS, ROOF LIVE LOAD, ROOF SNOW LOAD, WIND LOAD, EARTHQUAKE DESIGN DATA, FLOOD DESIGN DATA, EARTH PRESSURE DESIGN DATA) and values (SEE PLANS, NA, 20 PSF, 90 MPH, etc.).

- 3. THE SCOPE OF REQUIRED SPECIAL INSPECTIONS OR TEST SHALL INCLUDE ALL PROPOSED WORK SHOWN ON THE APPROVED CONSTRUCTION DOCUMENTS UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL NOTIFY SPECIAL INSPECTION AGENCY SUFFICIENTLY IN ADVANCE OF THE WORK TO ALLOW COORDINATION OF PERSONNEL AT THE SITE...
5. SPECIAL INSPECTION DOES NOT WAIVE OR INCLUDE INSPECTIONS REQUIRED BY THE 2011 OHIO BUILDING CODE - CHAPTER 1.

FOUNDATIONS

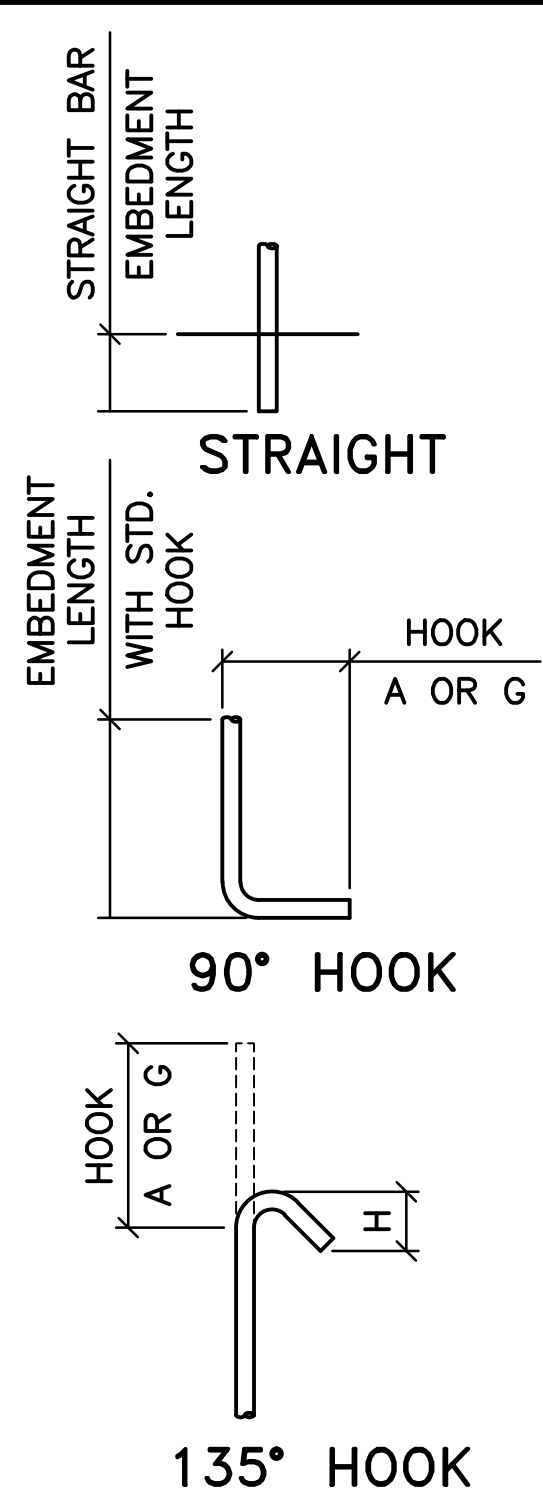
- 1. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SURVEY AND THE SUBSURFACE INVESTIGATION REPORT BEFORE BEGINNING CONSTRUCTION.
2. NOTIFY THE ENGINEER AS SOON AS POSSIBLE OF ANY UNUSUAL SOIL CONDITIONS IN VARIANCE WITH TEST BORINGS...
3. SET FOUNDATIONS AT ELEVATIONS SHOWN. THE CONTRACTOR SHALL VERIFY WITH THE ENGINEER THAT EACH FOOTING PLACED IS BEARING ON DESIGN MATERIAL.
4. SITE GEOTECHNICAL INVESTIGATION AND FOUNDATION RECOMMENDATIONS; REPORT OF GEOTECHNICAL EXPLORATION SCIOTO GREENWAYS MAIN STREET DAM REMOVAL FRANKLIN COUNTY, OHIO BY STANTEC DATED: 12.14.12. AMENDED: 07.24.13 INCLUDING ALL SUBSEQUENT AMENDED DESIGN MEMOS.
5. ALLOWABLE SOIL BEARING PRESSURE: SEE PLANS.
6. FOOTINGS SHALL REST ON AGGREGATE BASE, DRILLED SHAFTS, OR AUGER CAST PILES.
7. LEVELS OF BACKFILL AGAINST CONCRETE WALLS SHALL NOT DIFFER MORE THAN 2'-0" ON EITHER SIDE OF WALLS...
8. PROTECT EXCAVATION FROM FLOODING UNTIL ALL WALLS AND FLOOR FRAMING UP TO AND INCLUDING GRADE LEVEL FLOORS ARE IN PLACE AND BACKFILLING HAS BEGUN.

CAST-IN-PLACE CONCRETE

- 1. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS:
A. CLASS "A", 4,500 POUNDS PER SQUARE INCH (PSI) WITH ENTRAINED AIR FOR ALL CONCRETE UNLESS SPECIFICALLY NOTED OTHERWISE.
2. ALL CONCRETE WORK NOT COVERED UNDER ACI 350 SHALL BE IN ACCORDANCE WITH "THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" ACI 318. TOLERANCES SHALL BE IN ACCORDANCE WITH ACI 347, SECTION 3.3.1, TOLERANCES FOR REINFORCED CONCRETE BUILDINGS.
3. ALL REINFORCING STEEL SHALL BE NEW (NON-EPOXY COATED) DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A615 GRADE 60.
4. ALL BEAMS, SPANDRELS AND SLABS SHALL BE CAST MONOLITHICALLY, EXCEPT FOR REQUIRED CONSTRUCTION JOINTS...
5. CONSTRUCTION JOINTS REQUIRED BY THE ENGINEER ARE SHOWN ON THE DRAWINGS...
6. CONTRACTOR SHALL PROVIDE 3/4 INCH CHAMFER (UON) USING WOOD CHAMFER STRIPS ON ALL EXPOSED CORNERS OF COLUMNS, BEAMS AND WALLS...
7. COVER FOR REINFORCING STEEL SHALL CONFORM TO THE FOLLOWING (UON):
TYPICAL REINFORCING BAR COVER TABLE
CONCRETE CAST AGAINST EARTH: 3"
REINFORCING TO CLEAR WATERSTOP: 3"
SURFACES EXPOSED TO LIQUIDS, EARTH OR WEATHER: 2"
BEAM STIRRUPS (BOTTOM, SIDES, TOP) (UON): 2"
BEAM STIRRUPS (TOP) FOR BEAMS PARALLEL TO UPPER MOST LAYER OF SLAB REINFORCEMENT: 3"
COLUMN TIES: 2"
ALL OTHER SURFACES: 2"
8. WELDING OF REINFORCING STEEL IS NOT PERMITTED.
9. CALCIUM CHLORIDE SHALL NOT BE PERMITTED NOR SHALL ANY ADMIXTURE CONTAINING CALCIUM CHLORIDE BE PERMITTED THAT RESULTS IN A TOTAL CONCRETE MIX IN WHICH THE PRESENCE OF CHLORIDE IONS EXCEED 0.15 PERCENT BY WEIGHT OF CEMENT.
10. ALUMINUM PIPE SHALL NOT BE USED WITH CONCRETE PUMPS.
11. AS A MINIMUM, PROVIDE 6x6-W2.9xW2.9 WELDED WIRE REINFORCEMENT IN ALL SLABS ON GRADE, UNLESS OTHERWISE NOTED.

STRUCTURAL STEEL

- 1. STRUCTURAL STEEL SHALL CONFORM TO "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" ACI 360 LATEST EDITION.
2. STRUCTURAL STEEL:
W-SHAPES AND WT-SHAPE: ASTM A992 CHANNELS: ASTM A572 GRADE 50 TUBE SECTIONS: ASTM A500 GRADE B ANGLES, PLATES AND BARS: ASTM A36
3. BOLTS AND BOLTED CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" AS APPROVED BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS.
4. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE THE AMERICAN WELDING SOCIETY, AWS D1.
5. WELDING ELECTRODES SHALL BE E-70XX FOR WELDING SYMBOLS WITH NO LENGTH DIMENSION GIVEN...
6. FIELD CONNECTIONS, UNLESS OTHERWISE SHOWN OR INDICATED, SHALL BE MADE WITH HIGH-STRENGTH BOLTS...
7. SHOP CONNECTIONS, UNLESS OTHERWISE SHOWN OR INDICATED, MAY BE WELDED OR HIGH-STRENGTH BOLT BEARING-TYPE CONNECTIONS...
8. THE GRAVITY AXIS OF BRACING MEMBERS SHALL INTERSECT AT THE WORK POINT OF THE GRAVITY AXIS OF THE MAIN MEMBERS.



LAP SPLICE AND EMBEDMENT LENGTH TABLE

Table with columns: BAR SIZE, MIN. LAP LENGTHS FOR (BEAMS AND COLUMNS, SLABS AND WALLS), MIN. EMBEDMENT LENGTHS (FOR BEAMS AND COLUMNS, FOR SLABS AND WALLS), WITH STD. HOOKS (90, 135), MIN. STD. HOOKS (A OR G, A OR G, H).

REINFORCEMENT LAP SPLICE, EMBEDMENT LENGTH AND STANDARD HOOKS TABLE IS BASED ON A MINIMUM CONCRETE COMPRESSIVE STRENGTH OF 4,000 PSI AND 60,000 PSI REINFORCING (WITH NO EPOXY COATING).
MINIMUM STANDARD HOOKS BASED ON ACI 315-99.
ALL LAP SPLICES SHALL BE CLASS B SPLICES.
* THE MINIMUM LAP LENGTH FOR BEAMS, COLUMNS AND STRAIGHT EMBEDMENTS ARE BASED ON A 3 BAR DIAMETER MINIMUM CENTER TO CENTER BAR SPACING AND A 2 INCH BAR COVER...
** THE MINIMUM LAP LENGTH FOR SLABS, WALLS, AND STRAIGHT EMBEDMENTS ARE BASED ON A 6 INCH BAR SPACING AND A 2 INCH BAR COVER...
*** TOP BARS ARE DEFINED AS ALL HORIZONTAL BARS, EXCLUDING WALL BARS, WITH 12" OR MORE FRESH CONCRETE BENEATH.

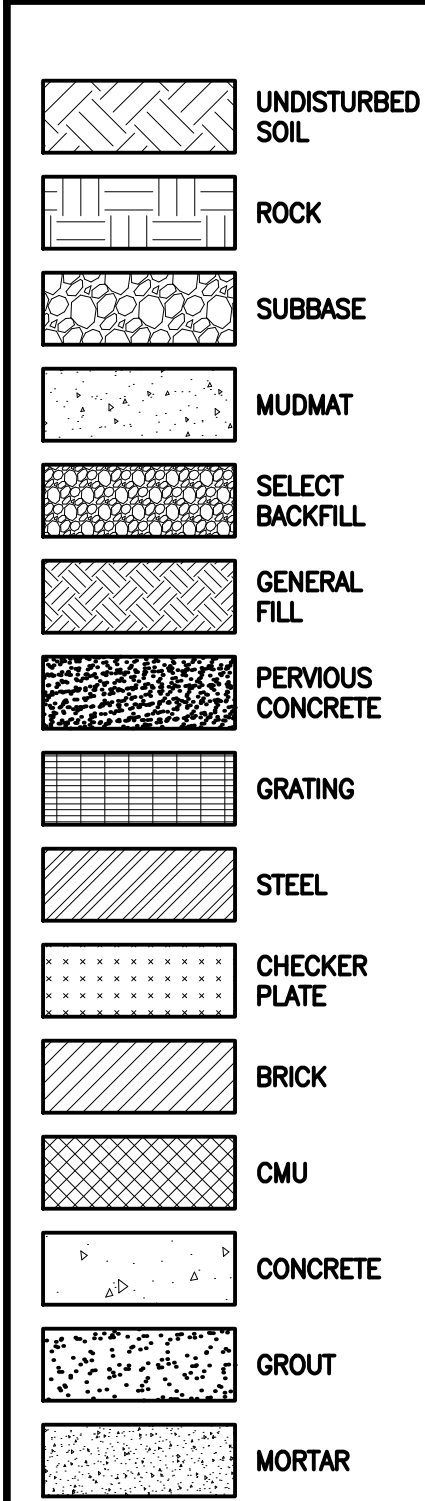
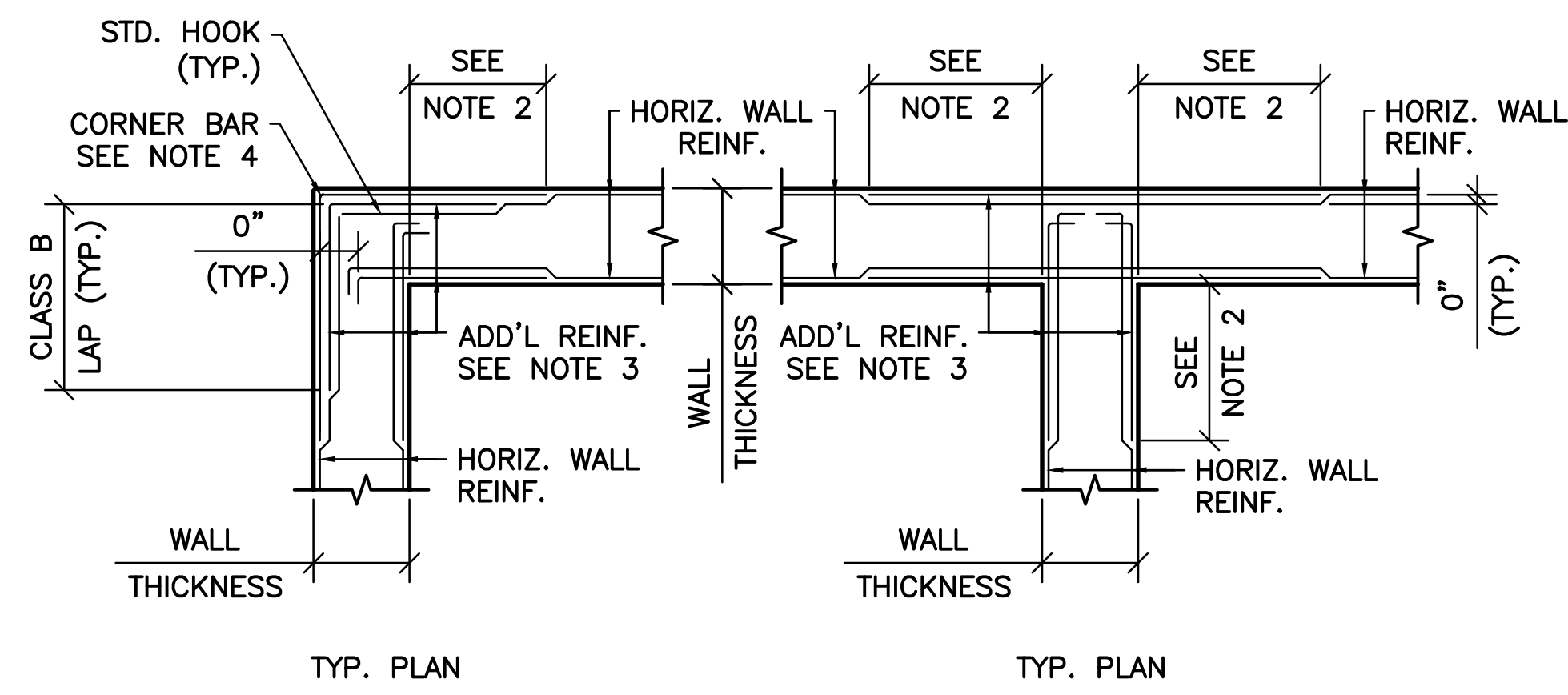
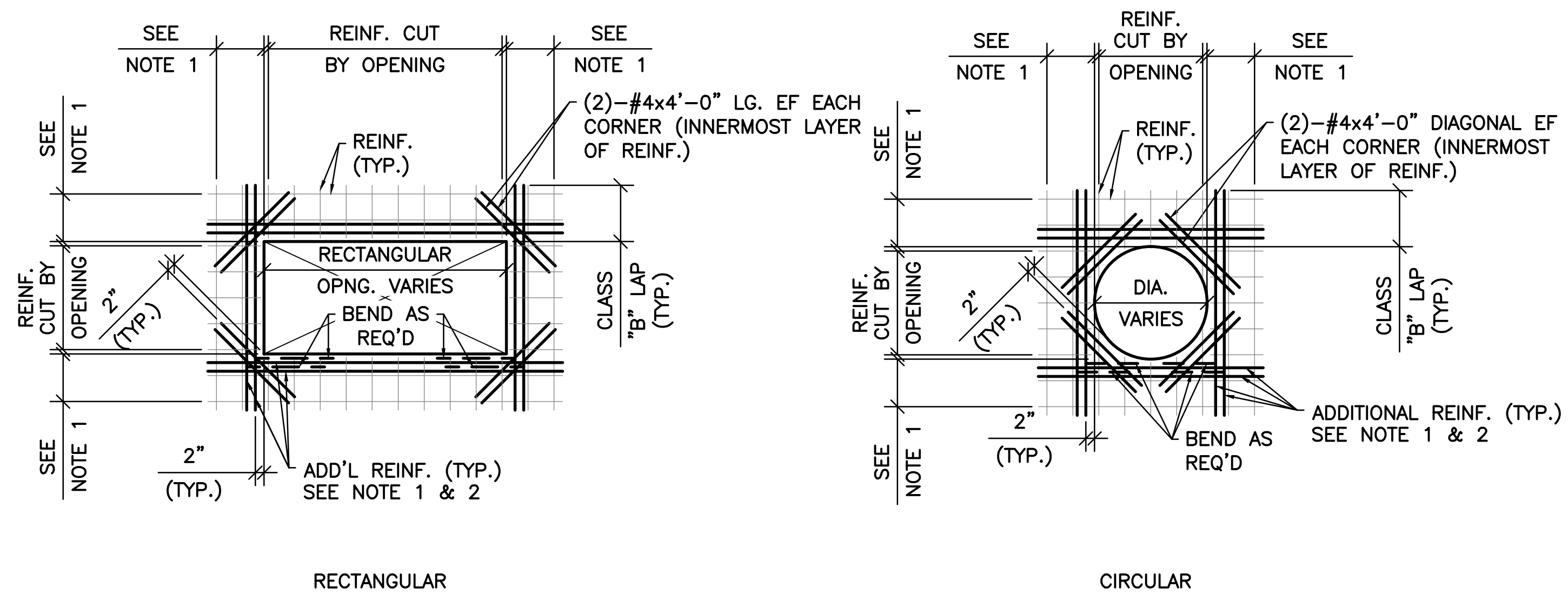


Table of Abbreviations with columns for symbol, description, and alternative abbreviations. Includes terms like ANCHOR BOLT, EXPANSION JOINT, FOUNDATION, etc.

SPECIAL INSPECTION

- 1. THE FOLLOWING ITEMS SHALL BE SUBJECTED TO SPECIAL INSPECTION AND TESTING AS OUTLINED IN THE 2011 OHIO BUILDING CODE CHAPTER 17:
-FABRICATORS, SECTION 1704.2
-STEEL CONSTRUCTION, SECTION 1704.3
-CONCRETE CONSTRUCTION, SECTION 1704.4
-SOILS, SECTION 1704.7
-DRIVEN DEEP FOUNDATIONS, SECTION 1704.8
-CAST-IN-PLACE DEEP FOUNDATIONS, SECTION 1704.9
2. THE SPECIAL INSPECTORS AND TESTING AGENCIES WILL BE ENGAGED BY THE OWNER OR OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED...

Project information section including EASEMENT REFERENCE, REVISIONS, PREPARED BY (Stantec Consulting Services Inc. and MKSK), PROJECT TITLE (COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION), and drawing details (SCALE: NTS, SHEET: S-101, CONTRACT DRAWING NO. CC-16423).



TYPICAL REINFORCING DETAIL AT WALL INTERSECTIONS

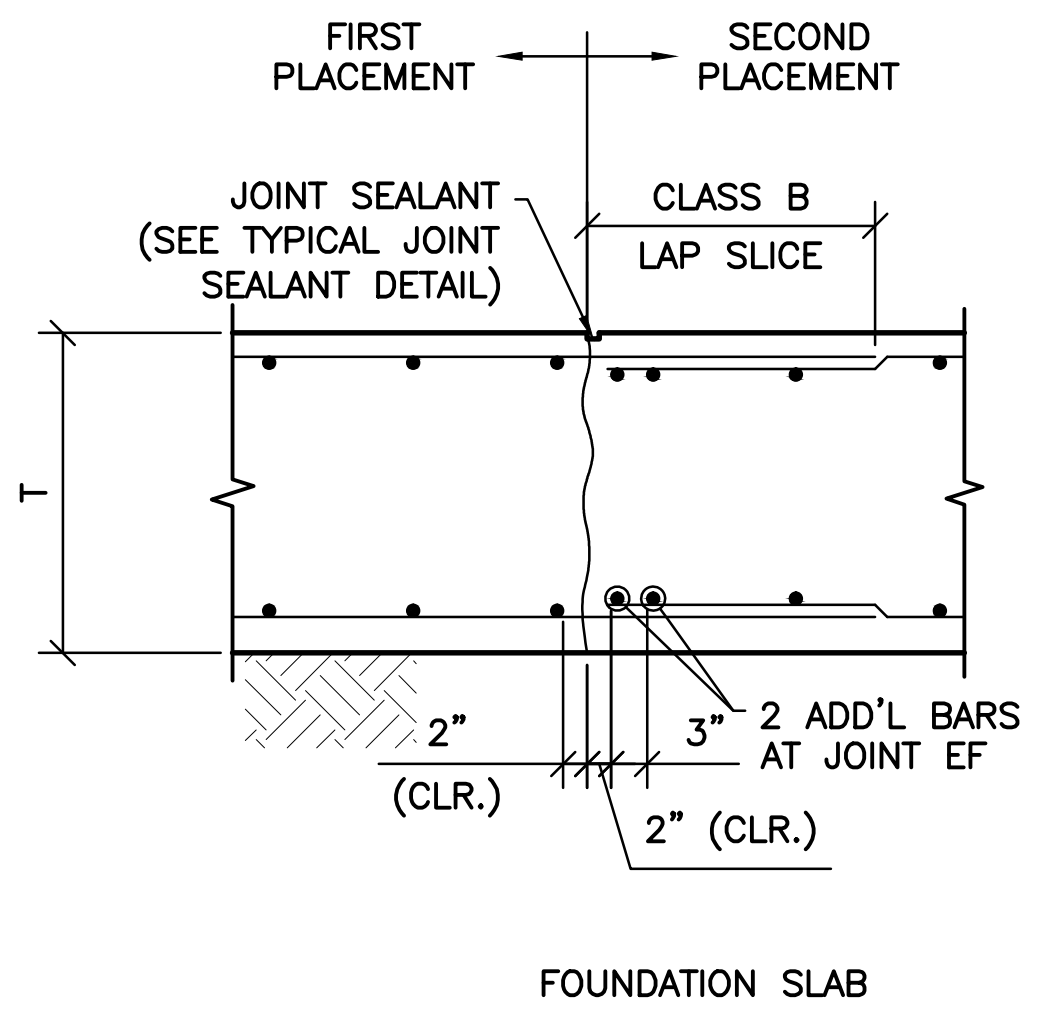
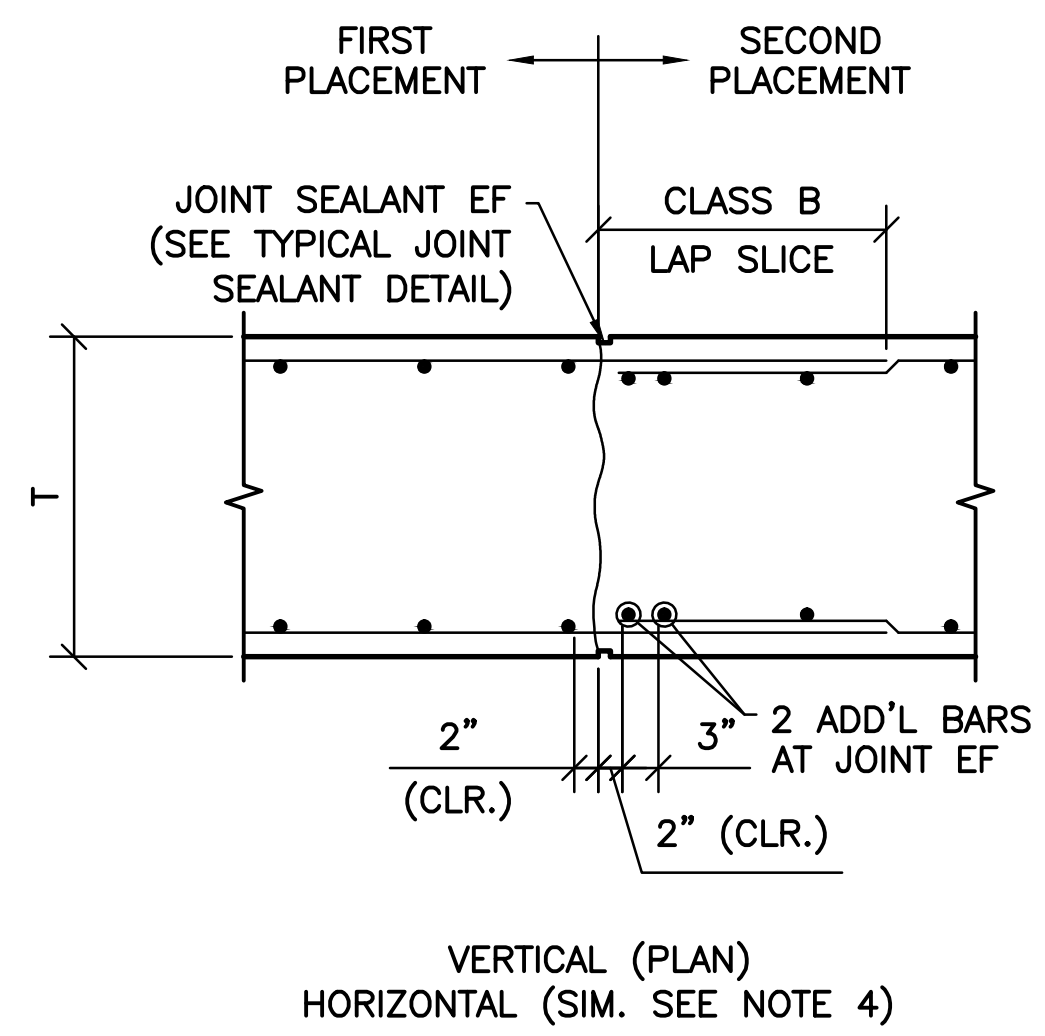
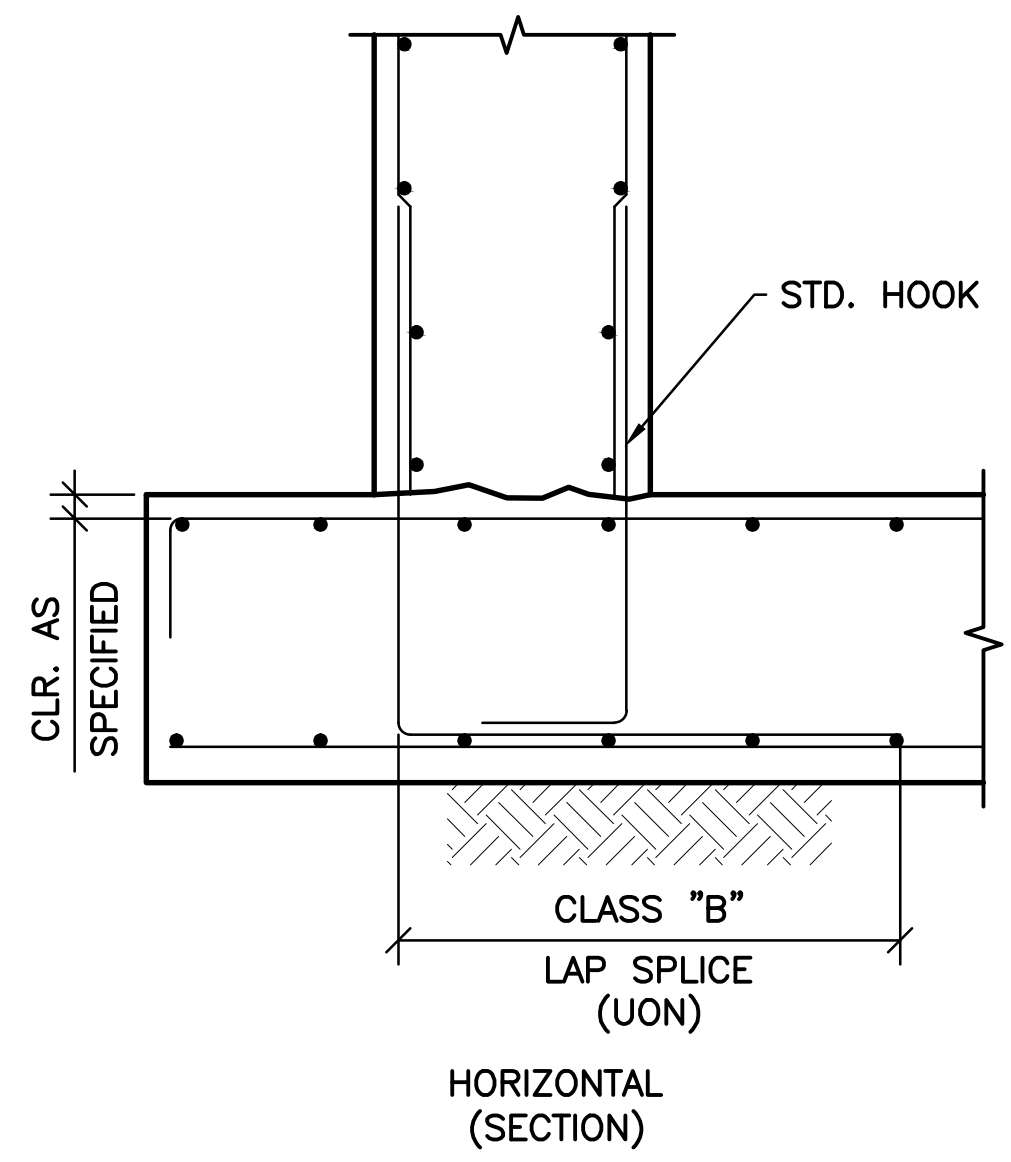
TYPICAL REINFORCING AROUND OPENING IN WALL AND SLAB

NOTES:

1. PROVIDE ADDITIONAL REINFORCING AT ALL OPENINGS, ACCESS HATCHES, PIPE PENETRATIONS, ETC. EQUAL IN AREA TO HALF THE TYPICAL REINFORCING CUT BY OPENING IN EACH DIRECTION. ADDITIONAL REINFORCING TO MATCH SIZE OF TYPICAL REINFORCING (MINIMUM 2 BARS EF) AND PLACED BETWEEN TYPICAL REINFORCING ON EACH SIDE OF OPENING.
2. PROVIDE MATCHING DOWELS WHERE REQUIRED TO PROVIDE CLASS "B" LAP WITH ADDITIONAL REINFORCING.
3. APPLIES TO ALL OPENINGS UNLESS OTHERWISE SHOWN ON DRAWINGS.

NOTES:

1. PROVIDE ADDITIONAL REINFORCING AT ALL WALL INTERSECTIONS AS SHOWN ABOVE UON ON DWGS.
2. DIMENSION TO BE 0.25 TIMES THE CLEAR SPAN DISTANCE BETWEEN WALL INTERSECTIONS MEASURED HORIZONTALLY, BUT NOT LESS THAN 2'-0", NOR GREATER THAN 6'-0".
3. ADDITIONAL REINFORCEMENT TO MATCH SIZE AND SPACING OF WALL HORIZONTAL REINFORCEMENT (UON). ALTERNATE ADDITIONAL REINFORCEMENT WITH HORIZONTAL WALL REINFORCEMENT.
4. PROVIDE CORNER BAR REINFORCING AT ALL WALL CORNERS AS SHOWN. CORNER BAR REINFORCEMENT TO MATCH SIZE AND SPACING OF WALL HORIZONTAL REINFORCEMENT.
5. WHERE LAPPING OF ADDITIONAL REINFORCEMENT FROM ADJACENT WALL INTERSECTION OCCURS, REINFORCEMENT SHALL BE COMBINED.
6. TYPICAL WALL INTERSECTION DETAILS ARE SHOWN AT 90 DEGREES, BUT ARE APPLICABLE FROM 60 TO 120 DEGREES.



TYPICAL CONSTRUCTION JOINT DETAILS

NOTES:

1. CONTINUE ALL REINFORCEMENT BARS THRU JOINTS.
2. ROUGHEN CONST JT AS SPECIFIED.
3. 2 ADDITIONAL BARS TO MATCH SIZE OF PARALLEL REINFORCEMENT.
4. NO REGLETS AND SEALANTS FOR HORIZONTAL CONST JT.

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EASEMENT REFERENCE		
CITY NO.	COUNTY RECORDER	GRANTOR
	VOL. PAGE	

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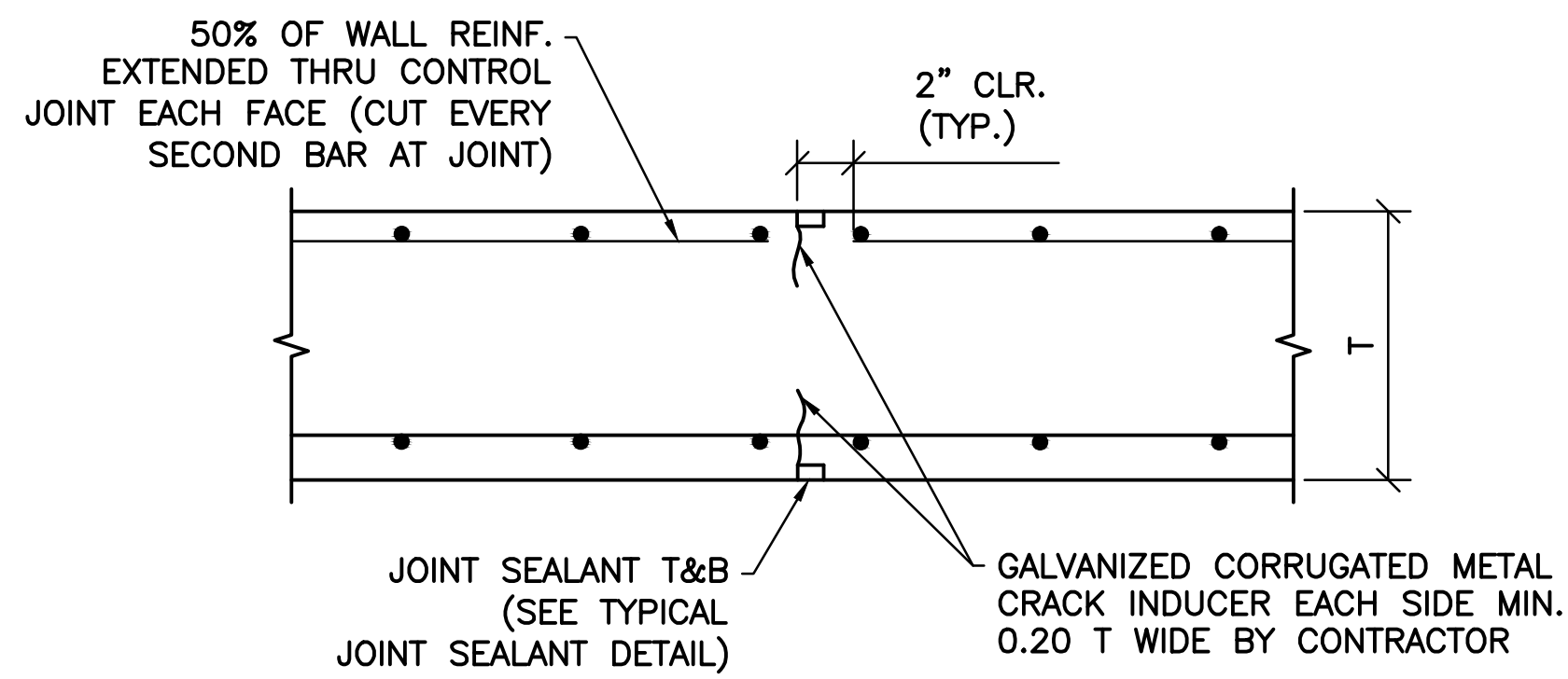

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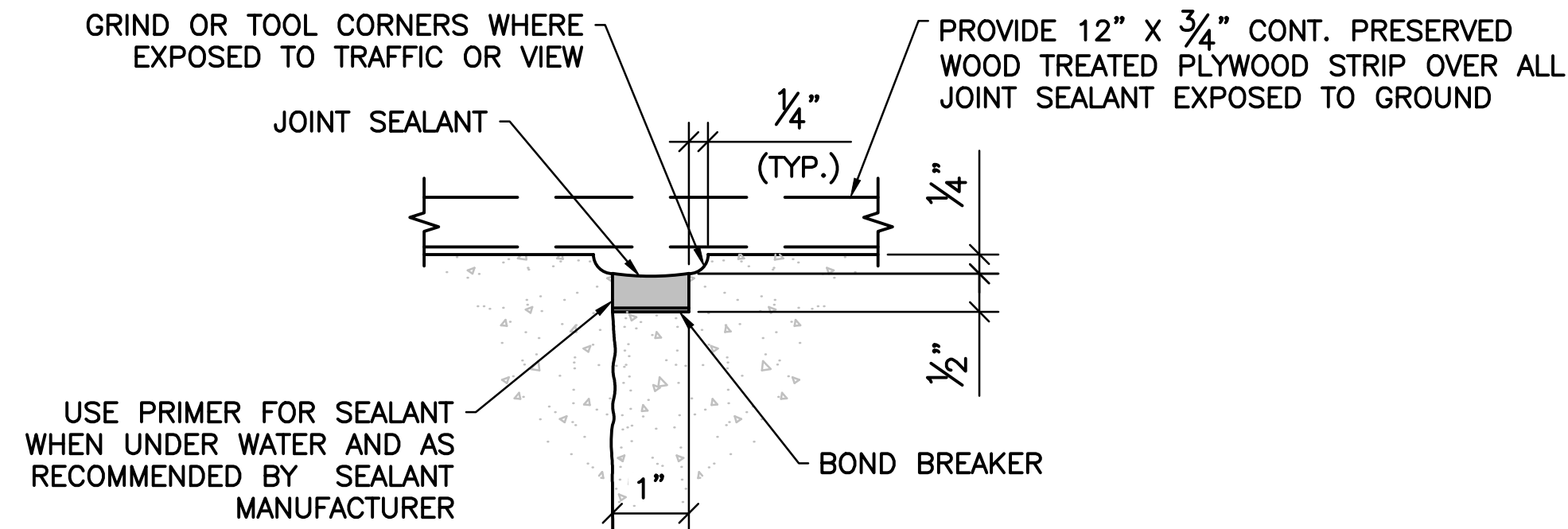
STRUCTURAL TYPICAL DETAILS 1

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	CLD	CON. DR.
INDEX DETAIL	RECORD FILE		

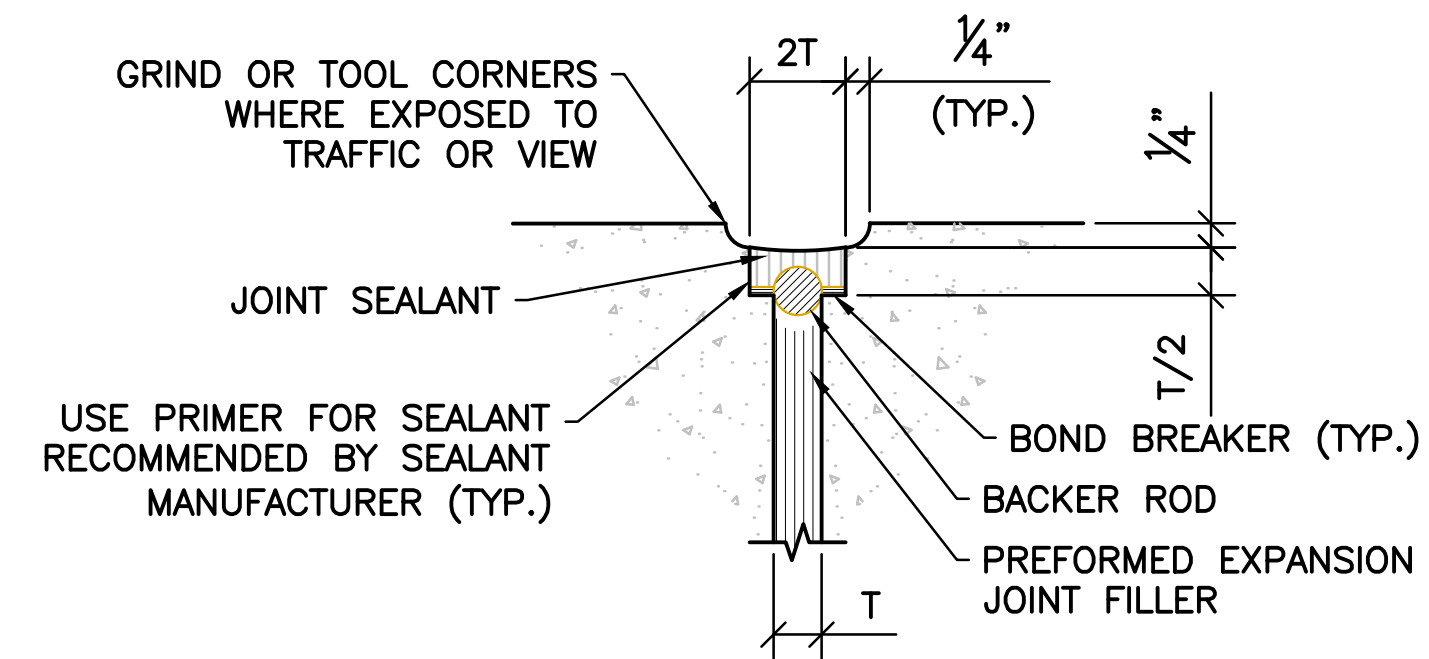
CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE	
DIVISION USE ONLY	
SCALE: NTS	SHEET: S-102
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



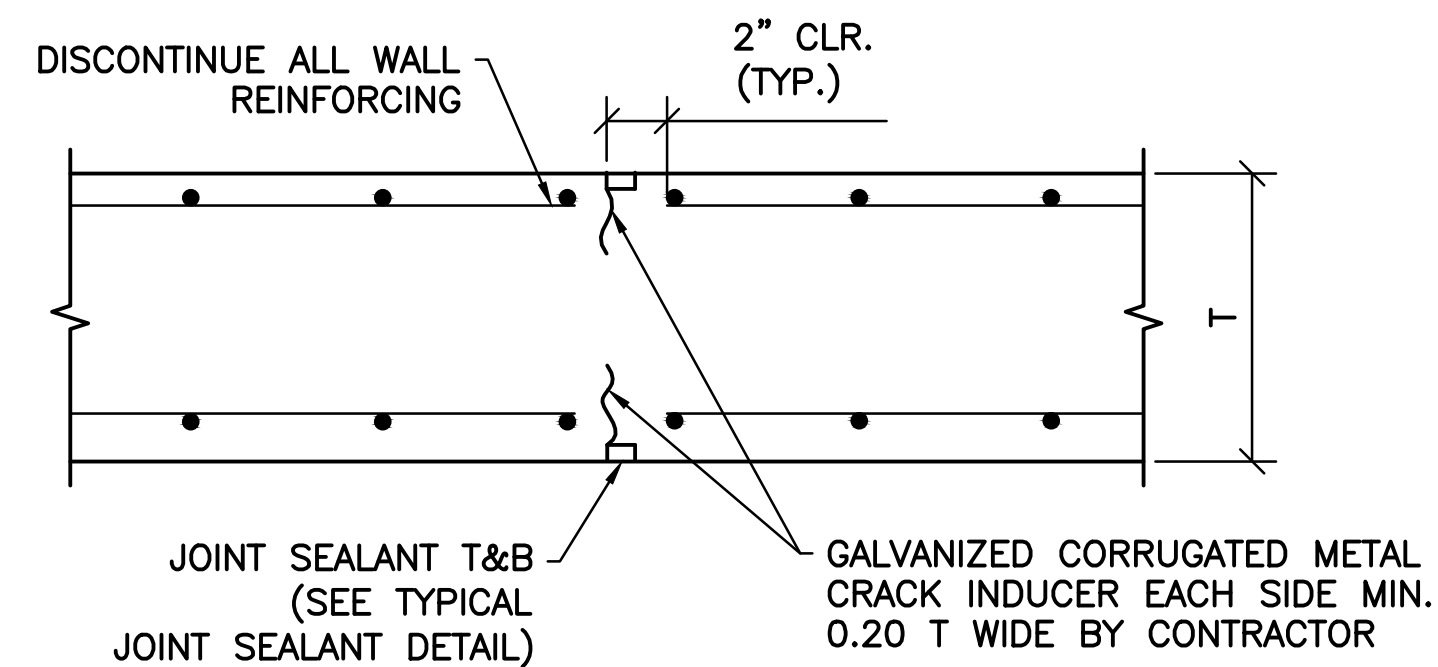
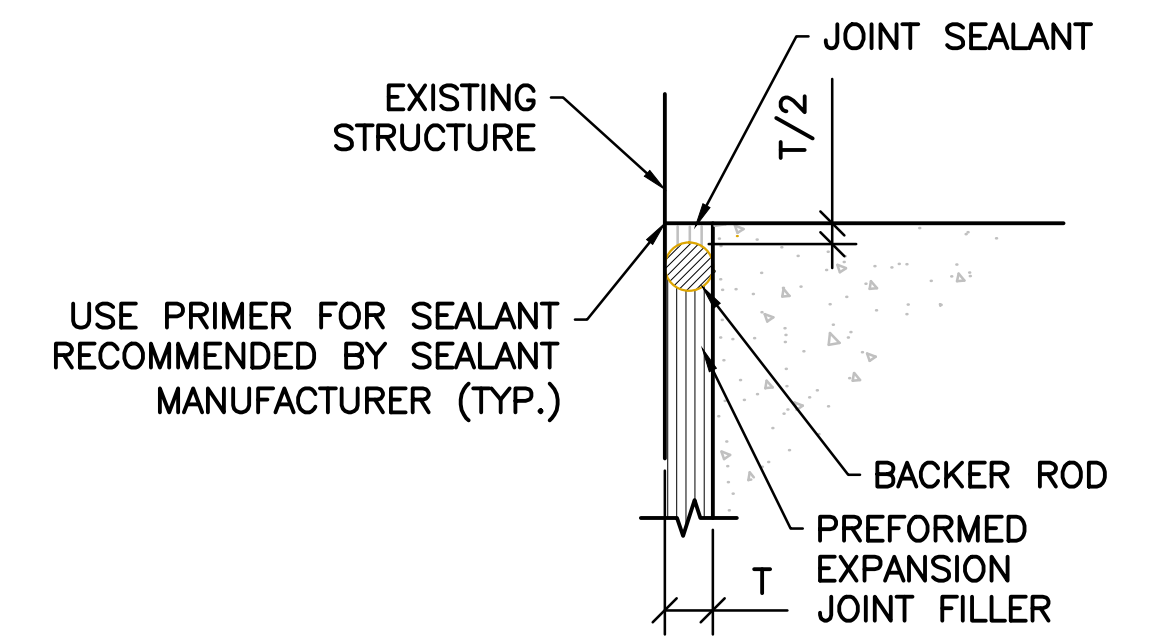
PARTIAL CONTRACTION JOINT DETAIL



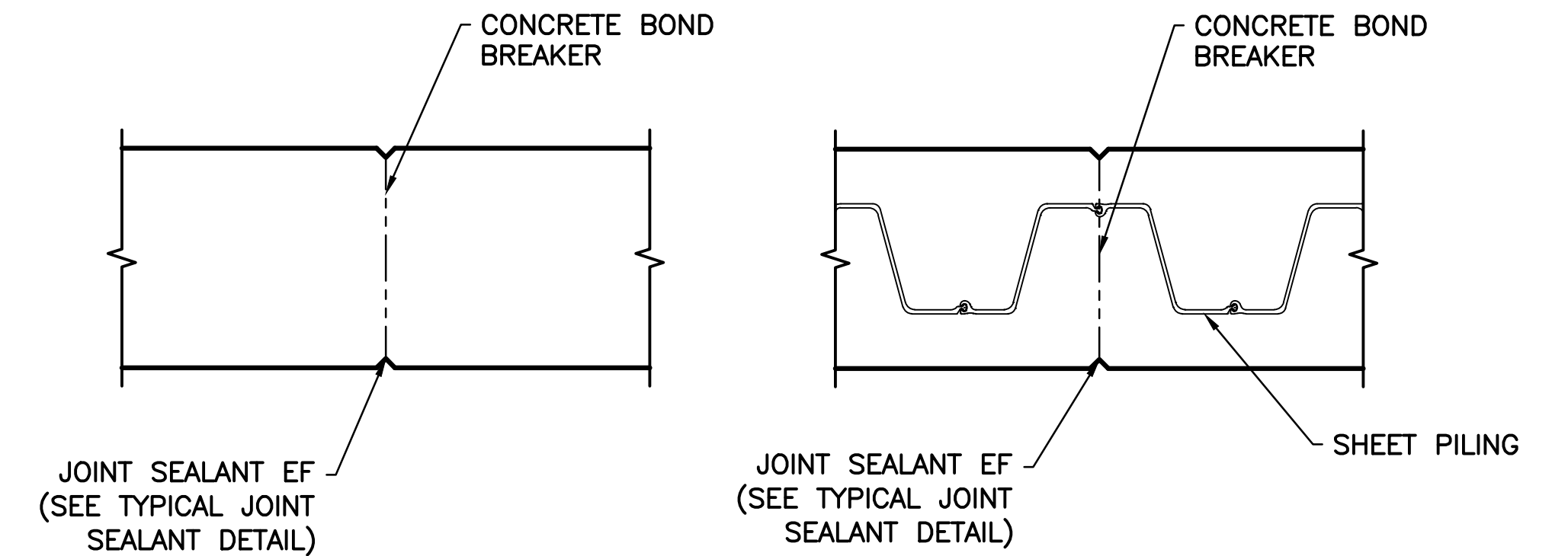
TYPICAL JOINT SEALANT DETAIL



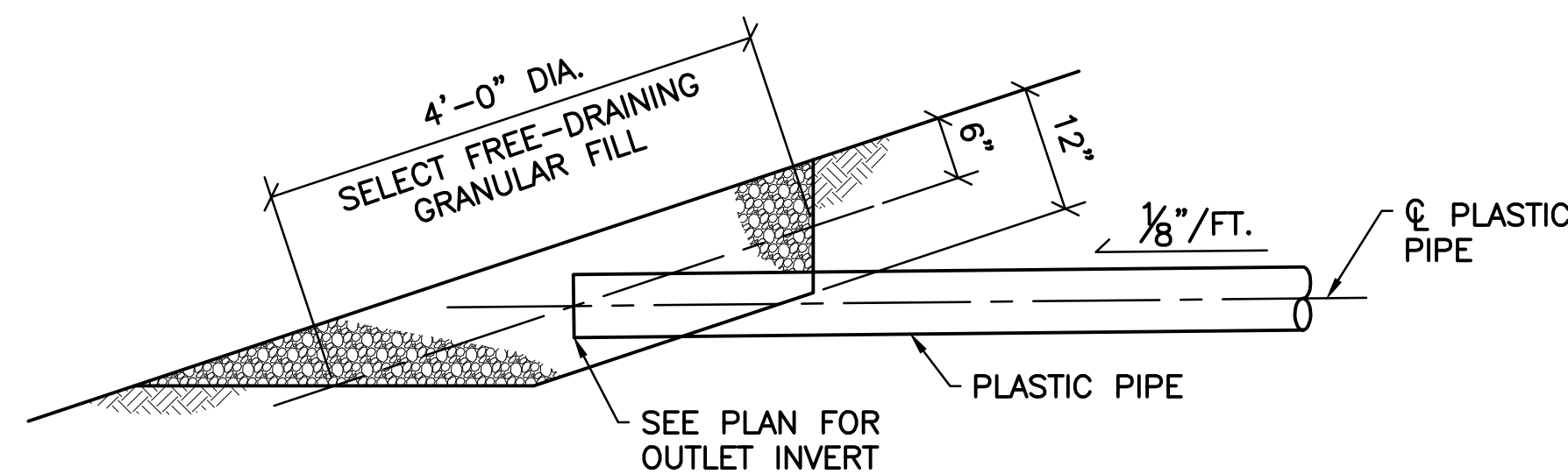
TYPICAL EXPANSION JOINT AND SEALANT DETAILS



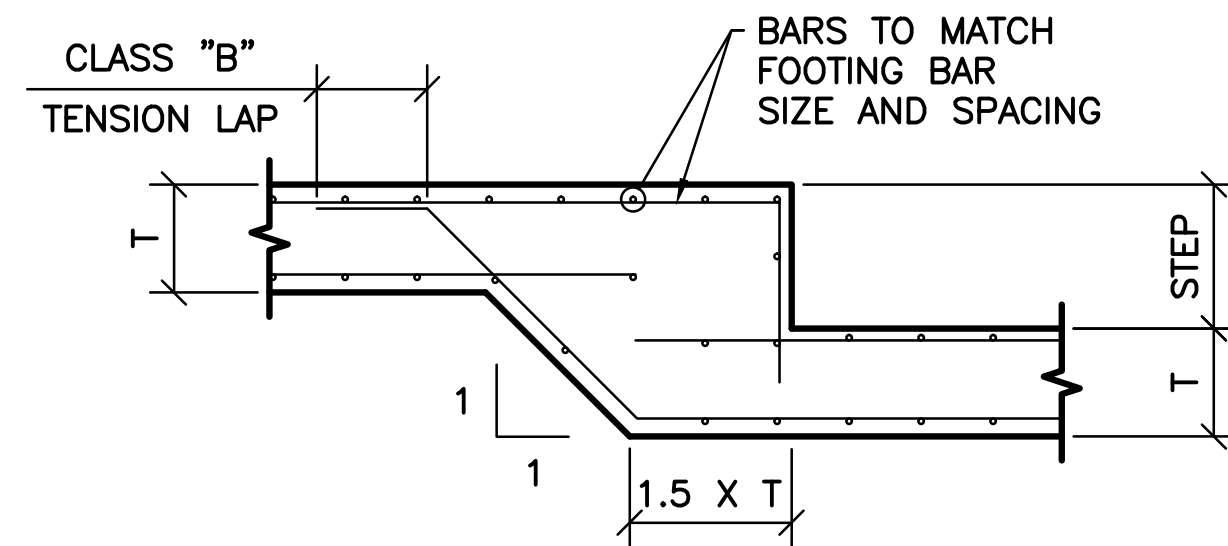
FULL CONTRACTION JOINT DETAIL



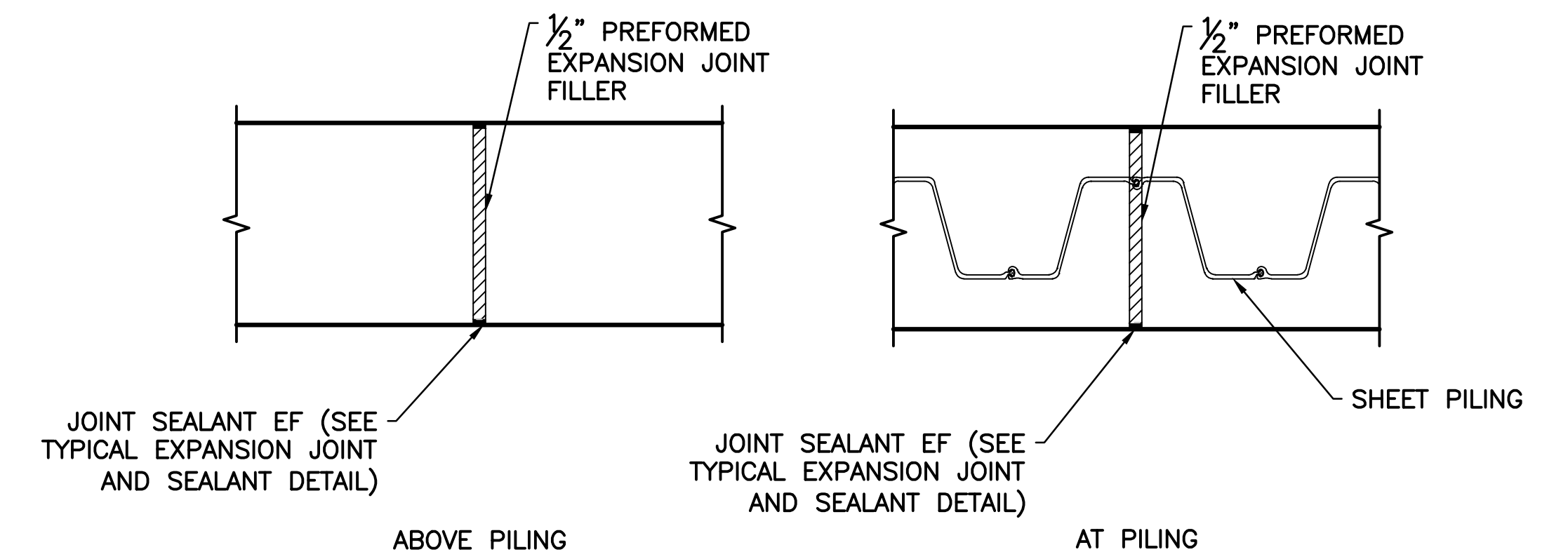
TYPE "A" JOINT



TERMINATION OF PLASTIC PIPE DETAIL



TYPICAL FOUNDATION STEP DETAIL



TYPE "B" JOINT

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STRUCTURAL TYPICAL DETAILS 2

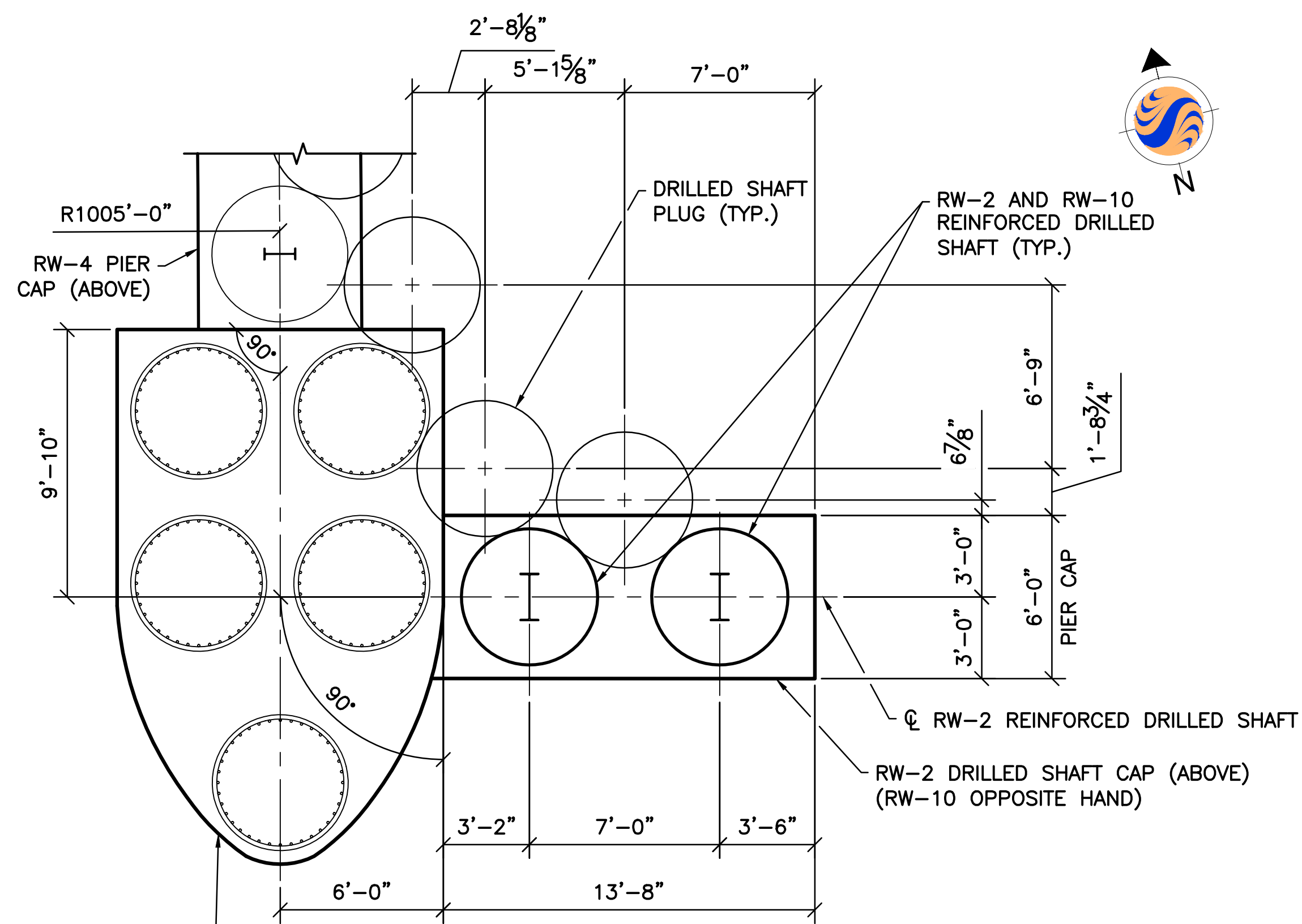
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COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION
SCIOTO GREENWAYS PROJECT
CITY OF COLUMBUS, OHIO

DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	GLD	CON. DR.
INDEX DETAIL	RECORD FILE		

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

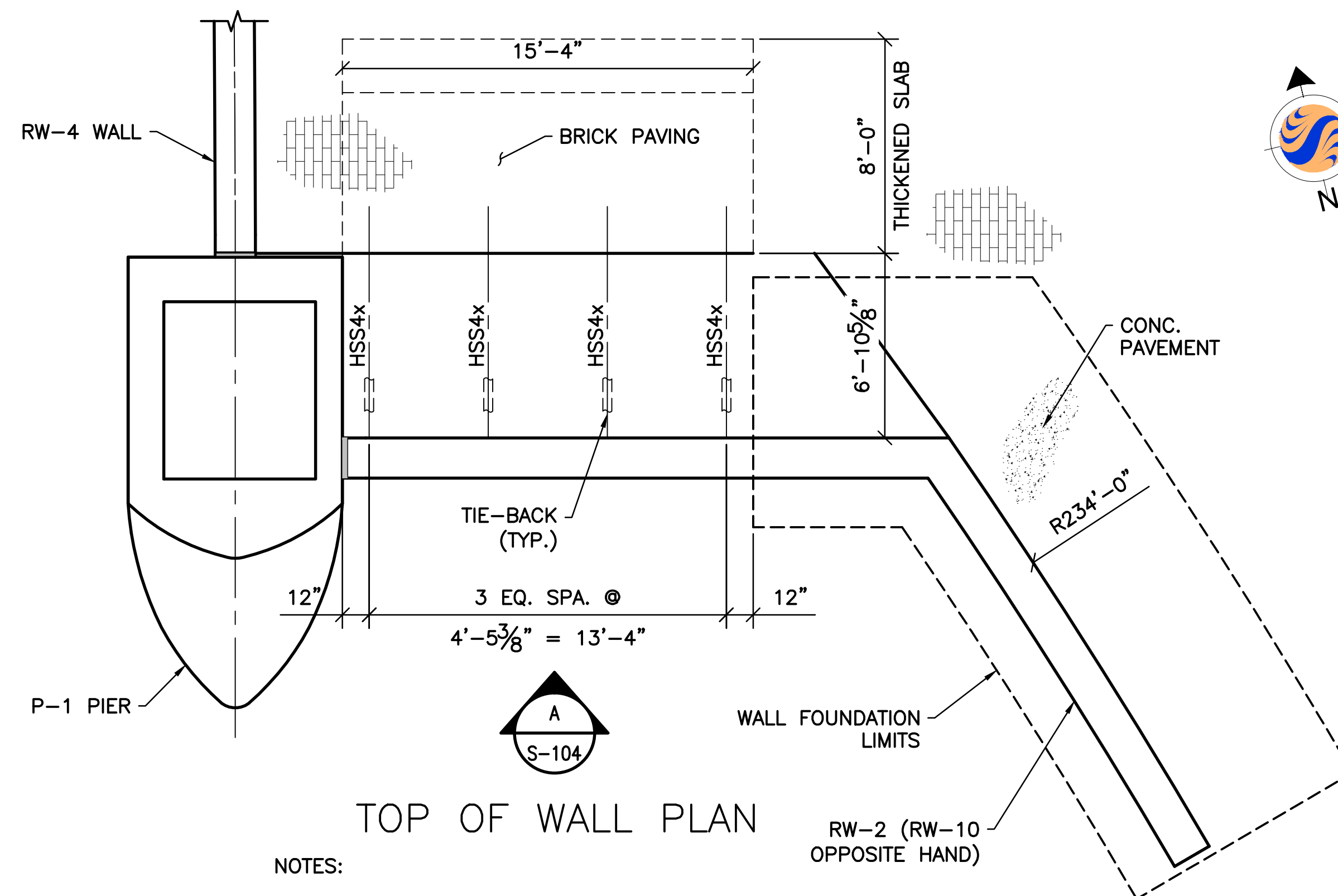
SCALE: NTS	SHEET: S-103
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



DRILLED SHAFT PLAN

NOTES:

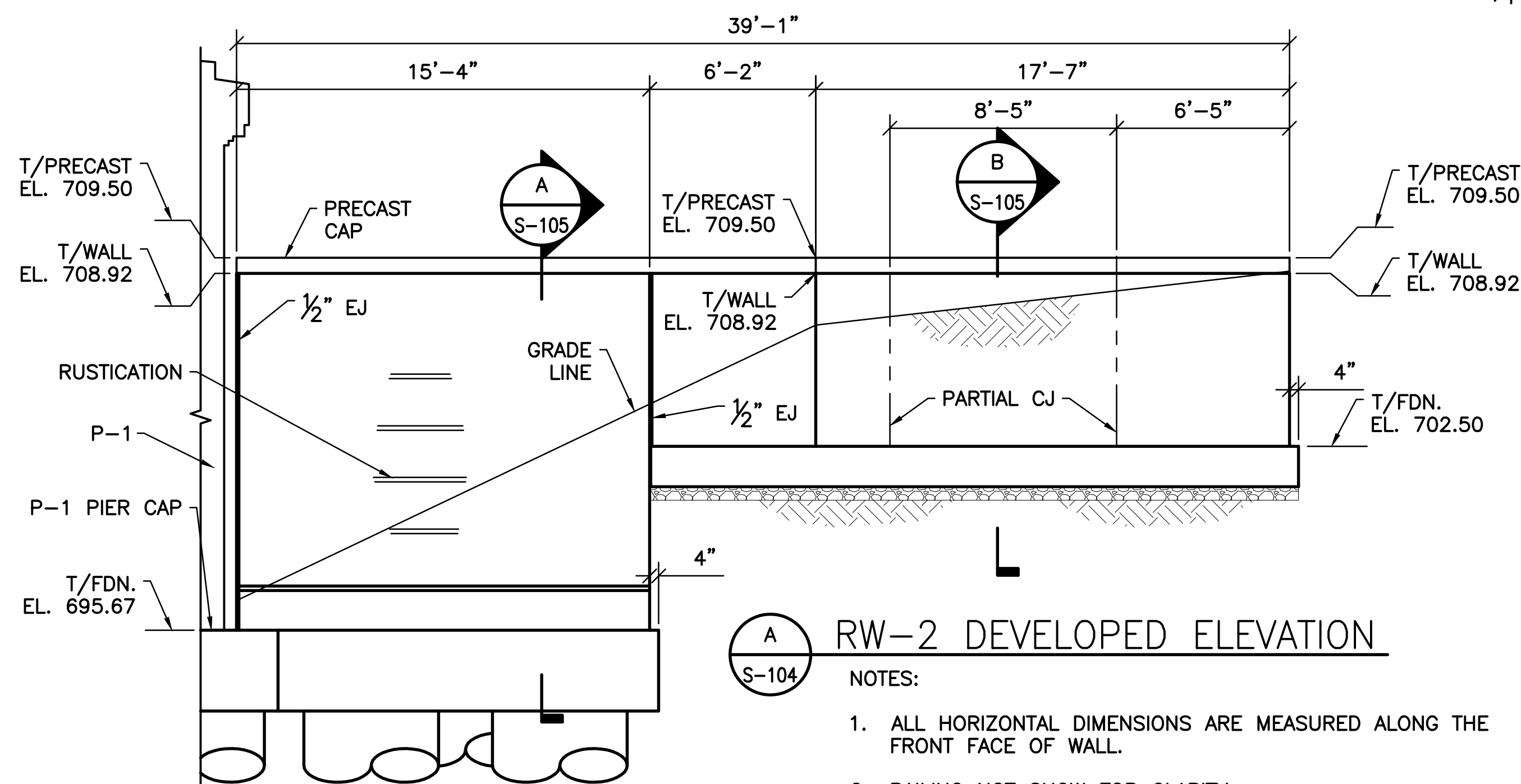
1. ALL DRILLED SHAFTS TO BE 5'-0" DIA. DRILLED SHAFTS.
2. MAX ALLOWABLE LATERAL CAPACITY OF RW-2 AND RW-10 REINFORCED DRILLED SHAFT = 28 TONS.
3. MAX ALLOWABLE VERTICAL CAPACITY OF REINFORCED DRILLED SHAFT = 153 TONS.
4. SEE RW-4 DRILLED SHAFT PLAN FOR DRILLED SHAFT NUMBERING.



TOP OF WALL PLAN

NOTES:

1. MAX ALLOWABLE BEARING PRESSURE FOR SHALLOW FOUNDATIONS = 7,500 PSF.
2. DESIGN LL = 250 PSF.
3. ALL STRUCTURAL SHAPES SHALL BE GALVANIZED STEEL AS NOTED BELOW:
-HSS4x = HSS4x4x $\frac{1}{4}$



RW-2 DEVELOPED ELEVATION

NOTES:

1. ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG THE FRONT FACE OF WALL.
2. RAILING NOT SHOW FOR CLARITY.

SHEET NOTES:

1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
2. SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR ADJACENT PAVEMENT, PRECAST CAP, AND RUSTICATION DETAILS.

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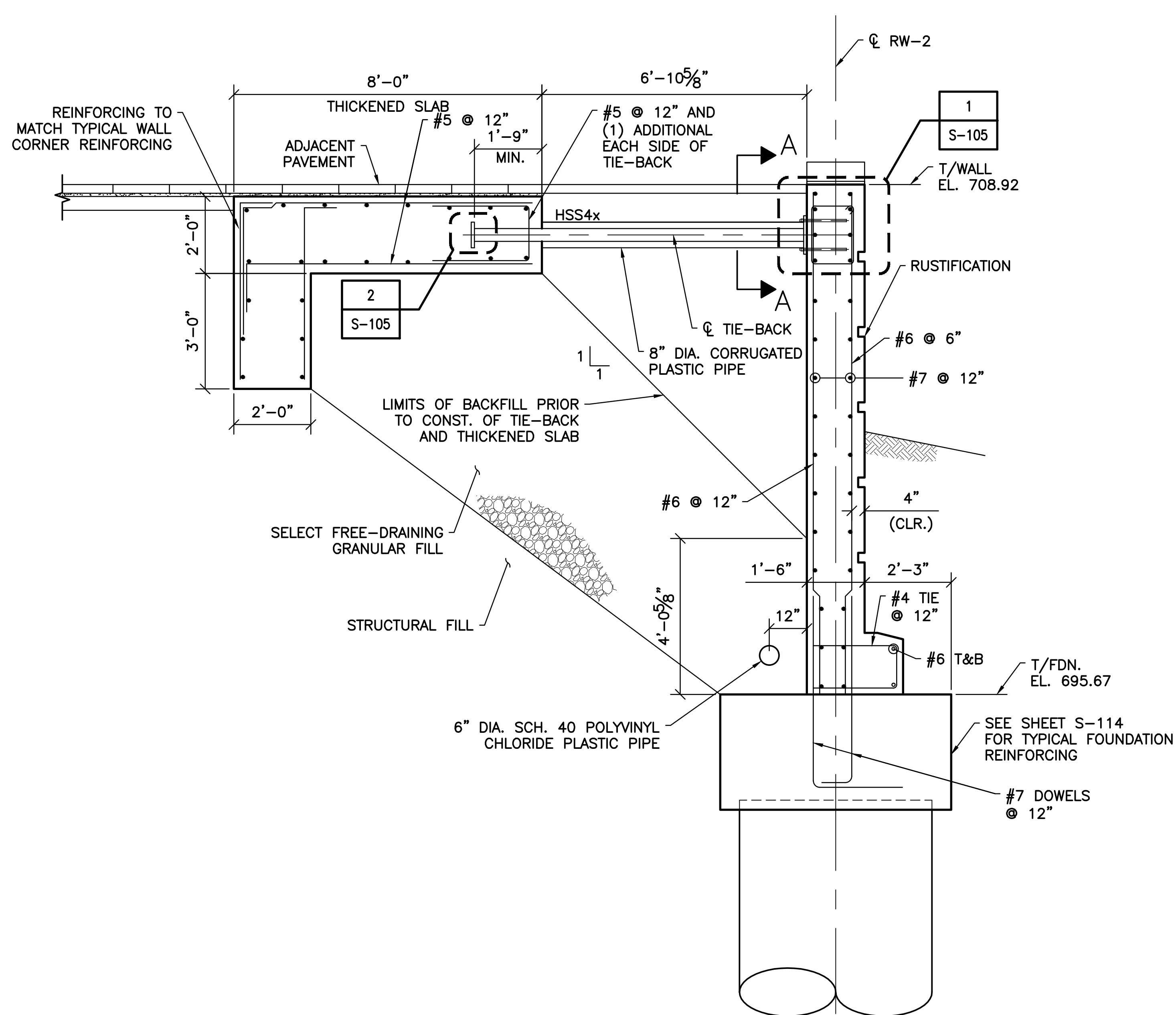
EASEMENT REFERENCE			REVISIONS		
CITY NO.	COUNTY RECORDER VOL. PAGE	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE

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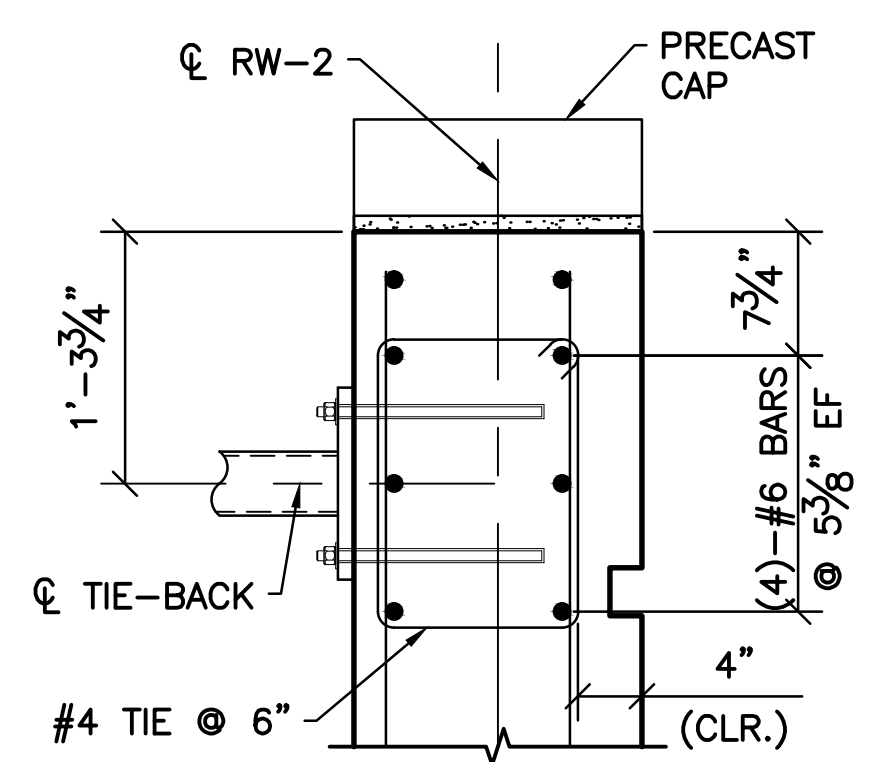
RW-2 AND RW-10 DRILLED SHAFT PLAN, TOP OF WALL PLAN, AND DEVELOPED ELEVATION

PROJECT TITLE: COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
INSPECTOR			
AGREEMENT		COMPLETED	
RPD	CKD	GLD	CON. DR.
INDEX DETAIL		RECORD FILE	

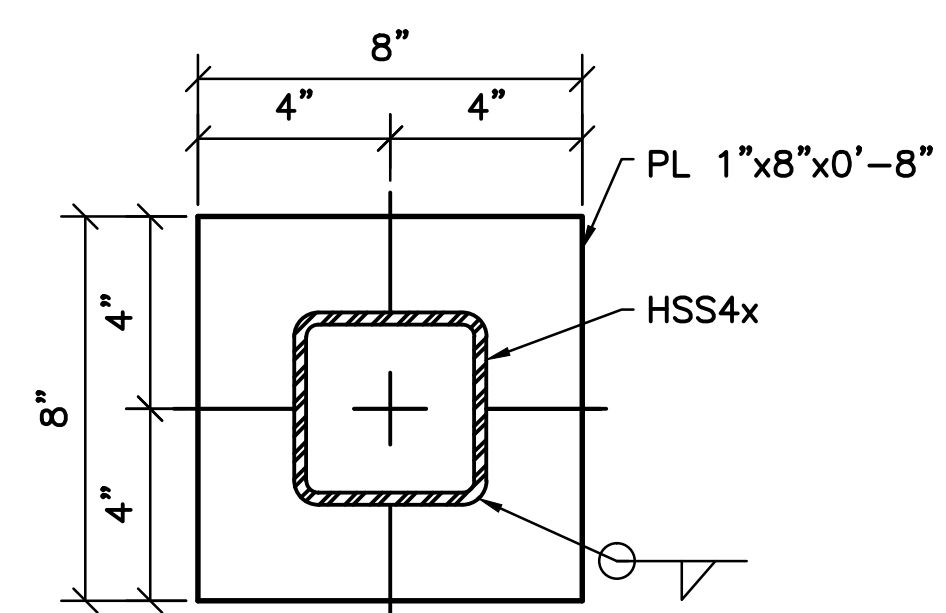
CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 1/4" = 1'-0"	SHEET: S-104
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



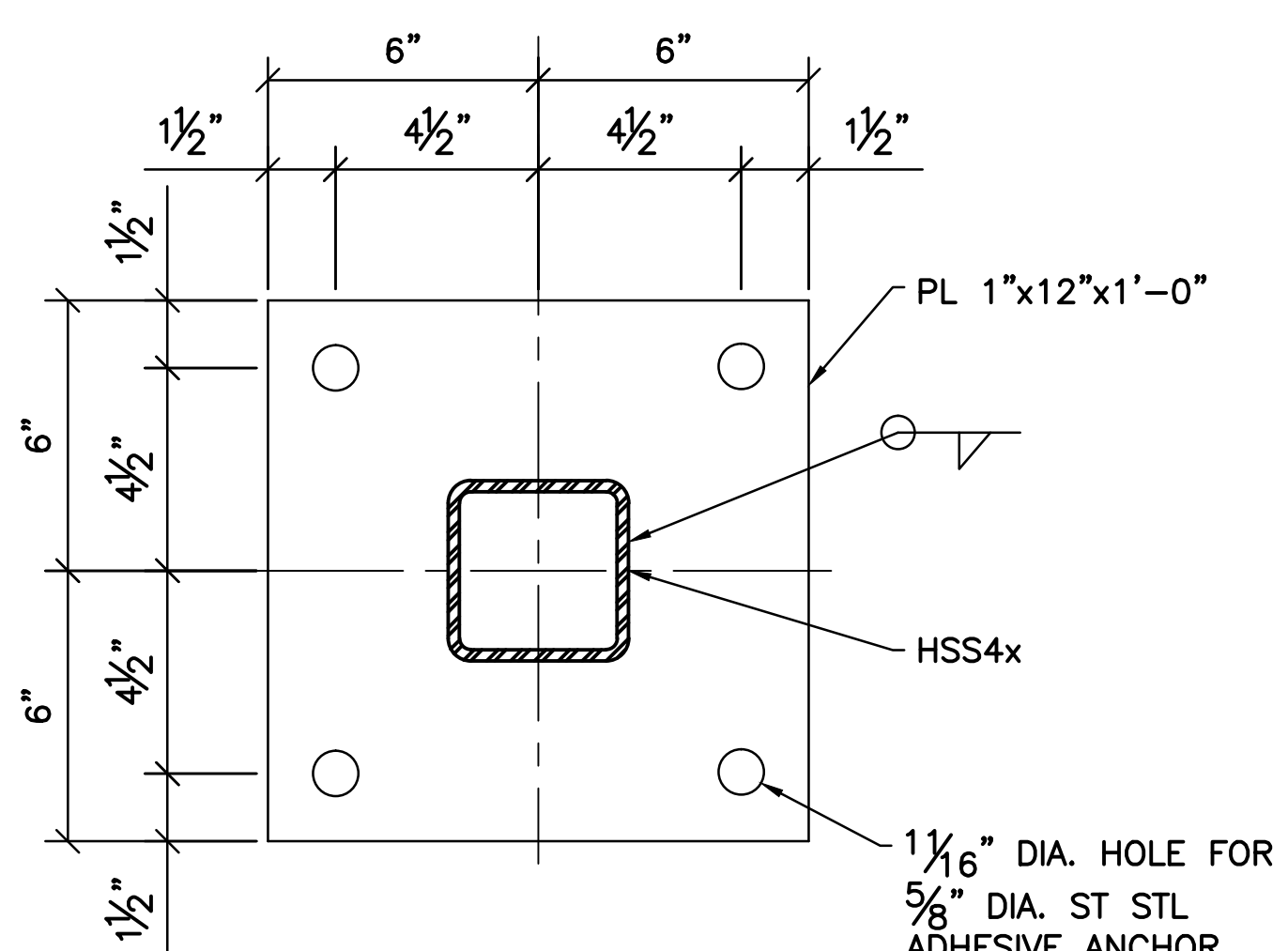
A SECTION
S-104 SCALE: 1/2" = 1'-0"



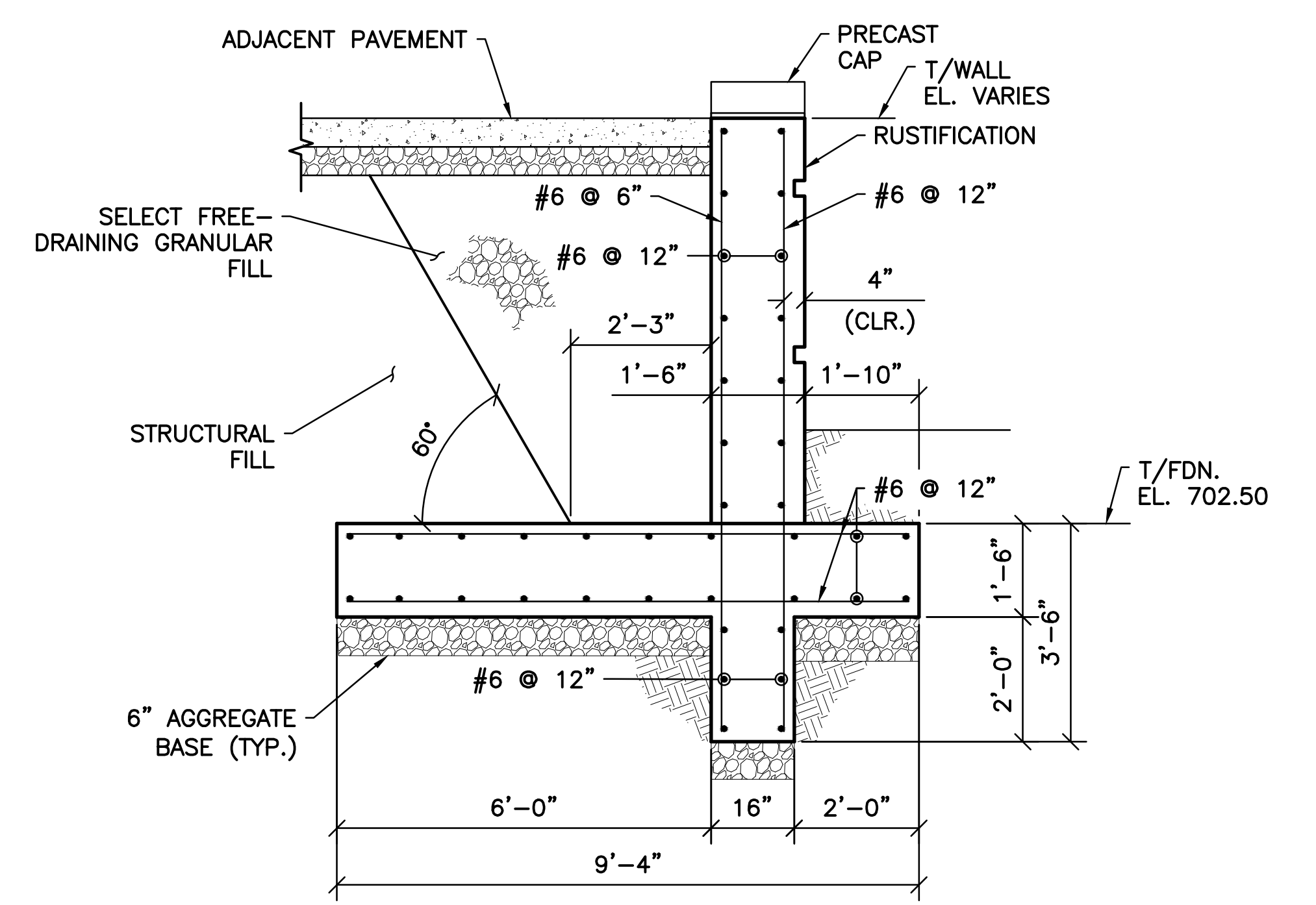
1 DETAIL
S-105 SCALE: 1" = 1'-0"



2 DETAIL
S-105 SCALE: 3" = 1'-0"



SECTION A-A
SCALE: 3" = 1'-0"



B SECTION
S-104 SCALE: 1/2" = 1'-0"

- SHEET NOTES:**
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 - SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR ADJACENT PAVEMENT, PRECAST CAP, AND RUSTIFICATION DETAILS.
 - RAILING NOT SHOWN FOR CLARITY.

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CITY NO.	COUNTY RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE
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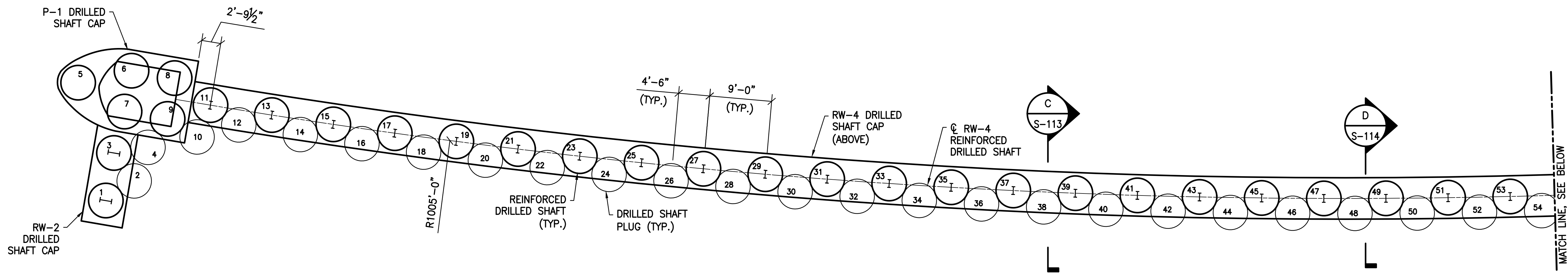
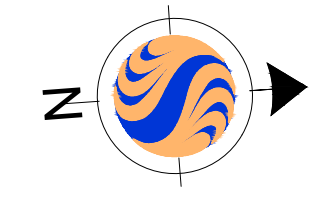
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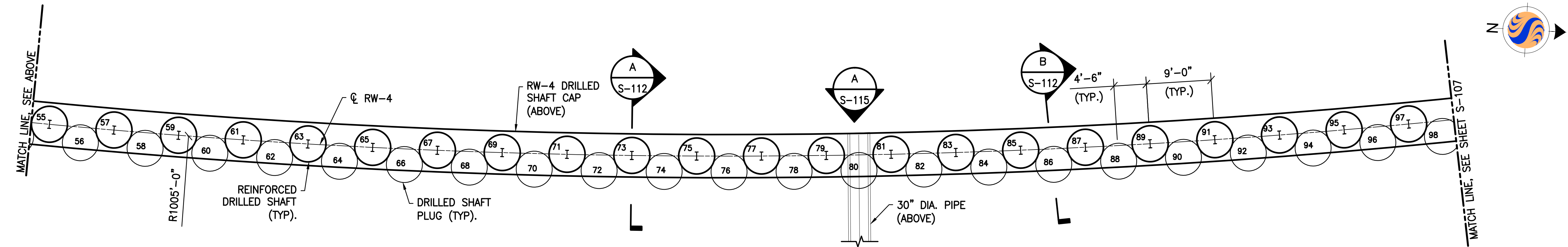
RW-2 AND RW-10 SECTIONS AND DETAILS

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COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO					
DIVISION USE ONLY			OWNER		
			CONTRACTOR		
			INSPECTOR		
AGREEMENT		COMPLETED			
RPD	CKD	GLD	CON. DR.		
INDEX DETAIL		RECORD FILE			

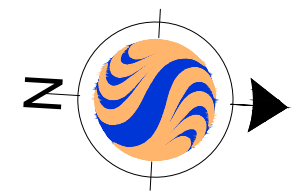
CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-105
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



PARTIAL DRILLED SHAFT PLAN



PARTIAL DRILLED SHAFT PLAN



- SHEET NOTES:
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 - ALL DRILLED SHAFTS TO BE 5'-0" DIAMETER DRILLED SHAFTS.
 - MAX ALLOWABLE VERTICAL CAPACITY OF REINFORCED DRILLED SHAFTS = 153 TONS.
 - ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG ϕ OF RW-4.

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	VOL.	PAGE	

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

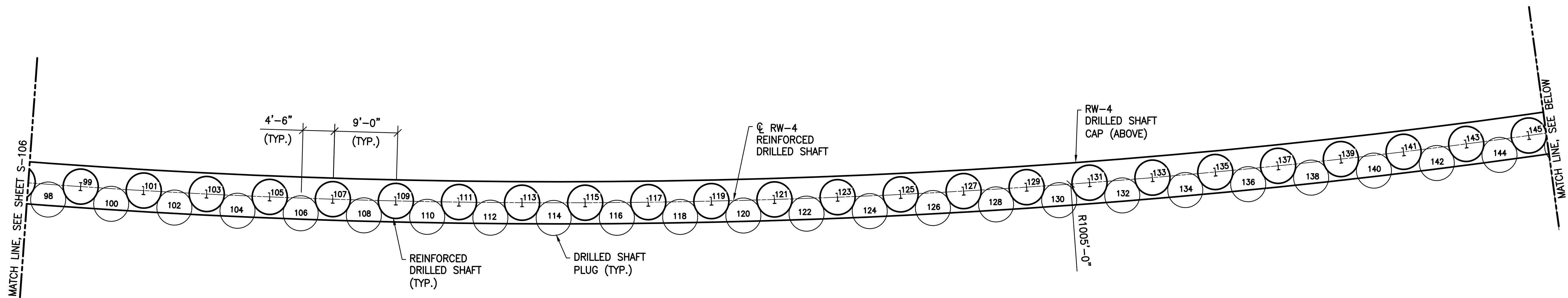
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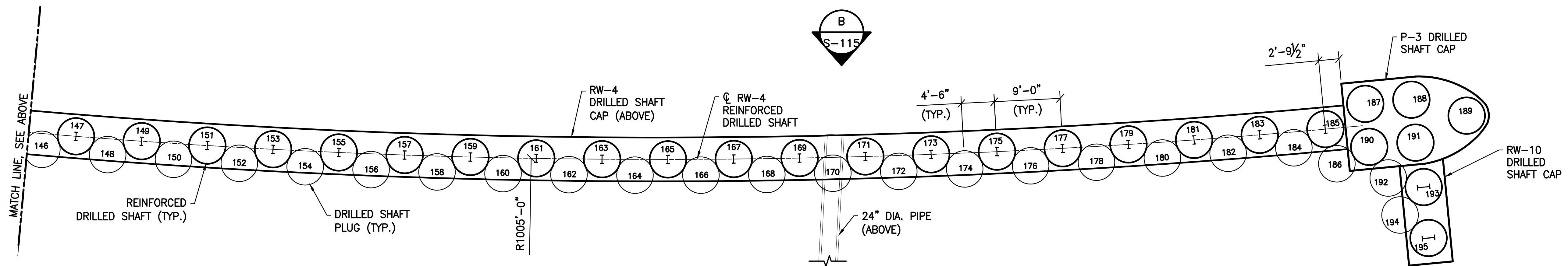
RW-4 DRILLED SHAFT PLAN 1

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT		COMPLETED	
RPD	CKD	CLD	CON. DR.
INDEX DETAIL		RECORD FILE	

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 1/8" = 1'-0"	SHEET: S-106
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



PARTIAL DRILLED SHAFT PLAN



PARTIAL DRILLED SHAFT PLAN

SHEET NOTES:

- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
- ALL DRILLED SHAFTS TO BE 5'-0" DIAMETER DRILLED SHAFTS.
- MAX ALLOWABLE VERTICAL CAPACITY OF THE REINFORCED DRILLED SHAFTS = 153 TONS.
- ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG ϕ RW-4.

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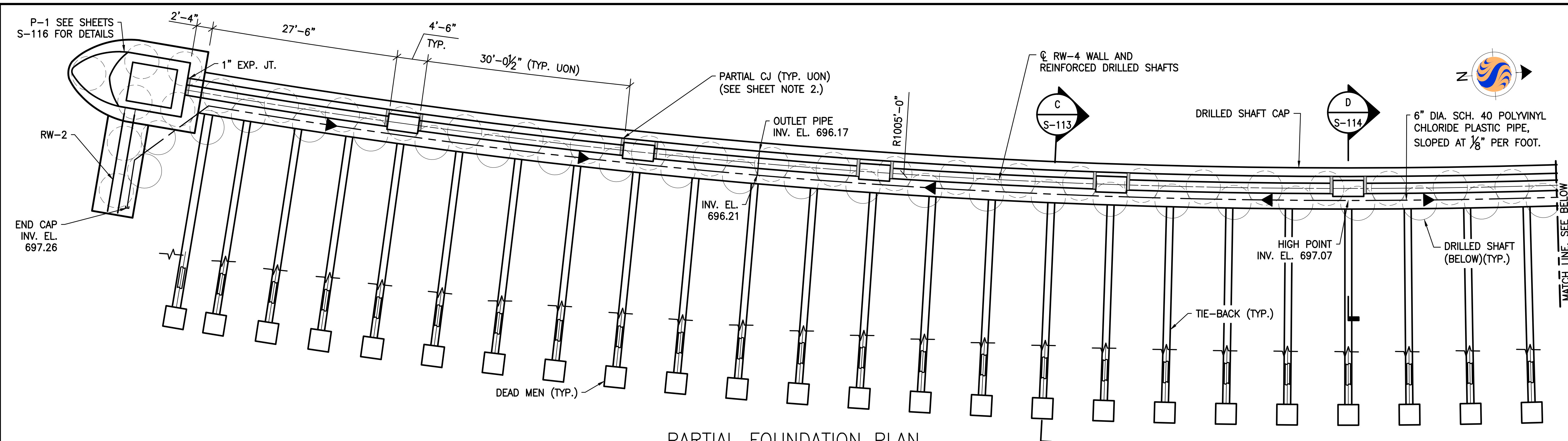
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DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	CLD	CON. DR.
INDEX DETAIL	RECORD FILE		

CITY OF COLUMBUS
 DEPARTMENT OF PUBLIC UTILITIES
 DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

RW-4 DRILLED SHAFT PLAN 2

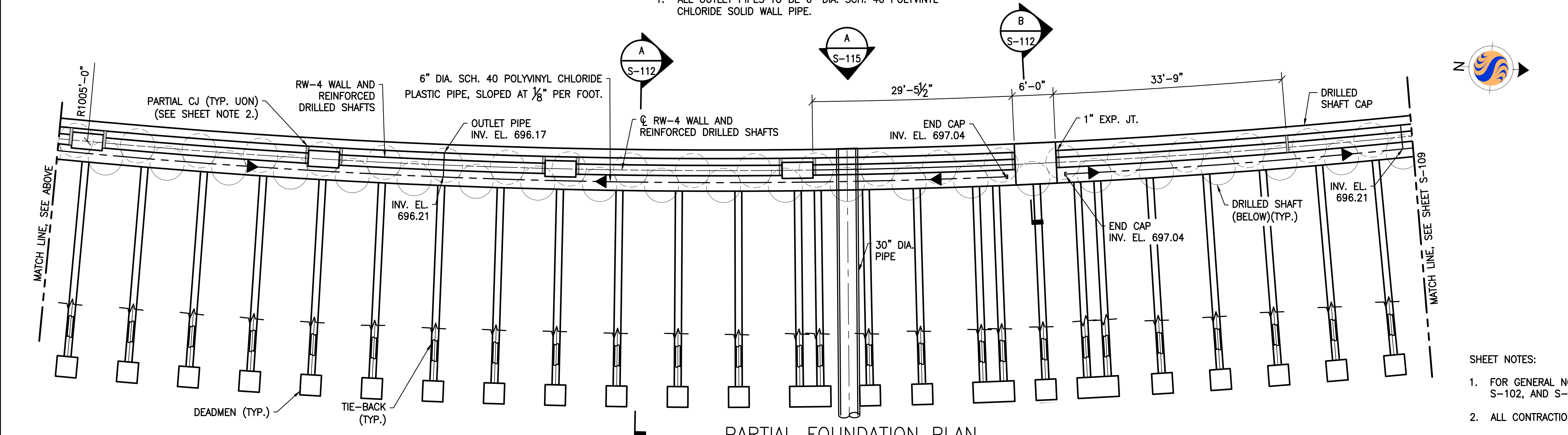
SCALE: 1/8" = 1'-0"
 SHEET: S-107
 CONTRACT DRAWING NO. CC-16423
 RECORD PLAN NO.

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PARTIAL FOUNDATION PLAN

NOTE:
 1. ALL OUTLET PIPES TO BE 6" DIA. SCH. 40 POLYVINYL CHLORIDE SOLID WALL PIPE.



PARTIAL FOUNDATION PLAN


NOTE:
 1. ALL OUTLET PIPES TO BE 6" DIA. SCH. 40 POLYVINYL CHLORIDE SOLID WALL PIPE.

- SHEET NOTES:
1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 2. ALL CONTRACTION JOINTS TO STOP 2'-6" FROM TOP OF WALL.
 3. ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG ϕ RW-4.
 4. SEE TOP OF WALL PLAN FOR TIE-BACK AND DEADMAN LOCATIONS.

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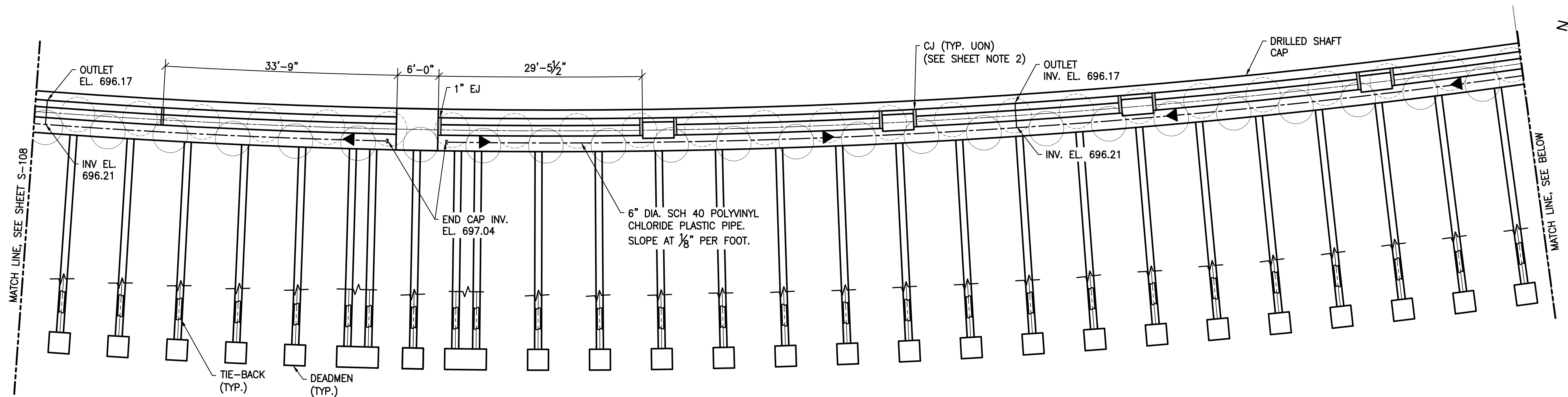

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RW-4 FOUNDATION PLAN 1

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		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	GLD	CON. DR.
INDEX DETAIL	RECORD FILE		

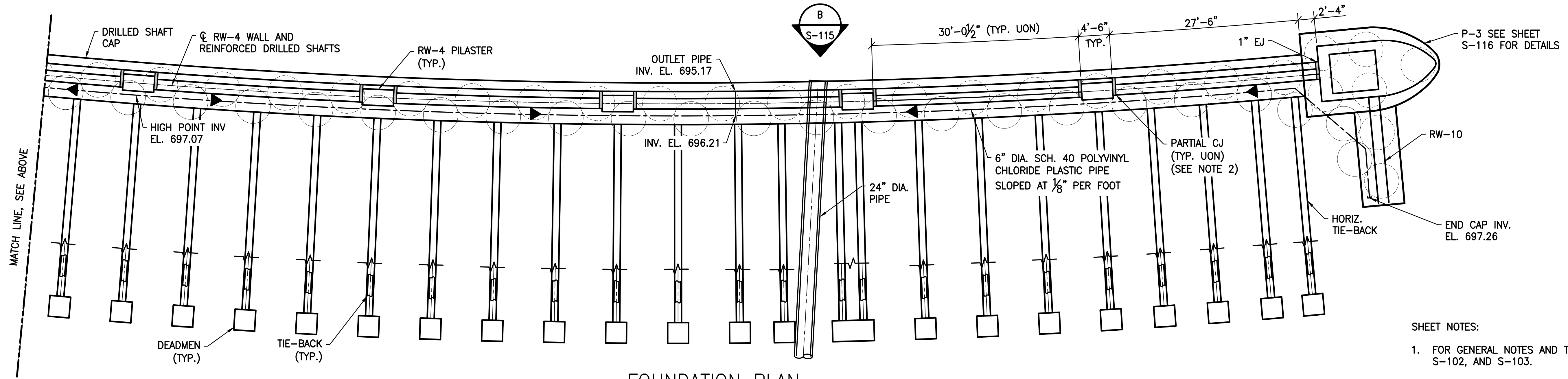
CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 1/8" = 1'-0"	SHEET: S-108
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

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FOUNDATION PLAN

- NOTE:
1. ALL OUTLET PIPES TO BE 6" DIA. SCH. 40 PVC SOLID WALL PIPE.



FOUNDATION PLAN

- NOTE:
1. ALL OUTLET PIPES TO BE 6" DIA. SCH. 40 POLYVINYL CHLORIDE SOLID WALL PIPE.

- SHEET NOTES:
1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 2. ALL CONTRACTION JOINTS TO STOP 2'-6" FROM TOP OF WALL.
 3. ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG C/RW-4.
 4. SEE TOP OF WALL PLAN FOR TIE-BACK AND DEADMAN LOCATIONS.

EASEMENT REFERENCE		
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REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

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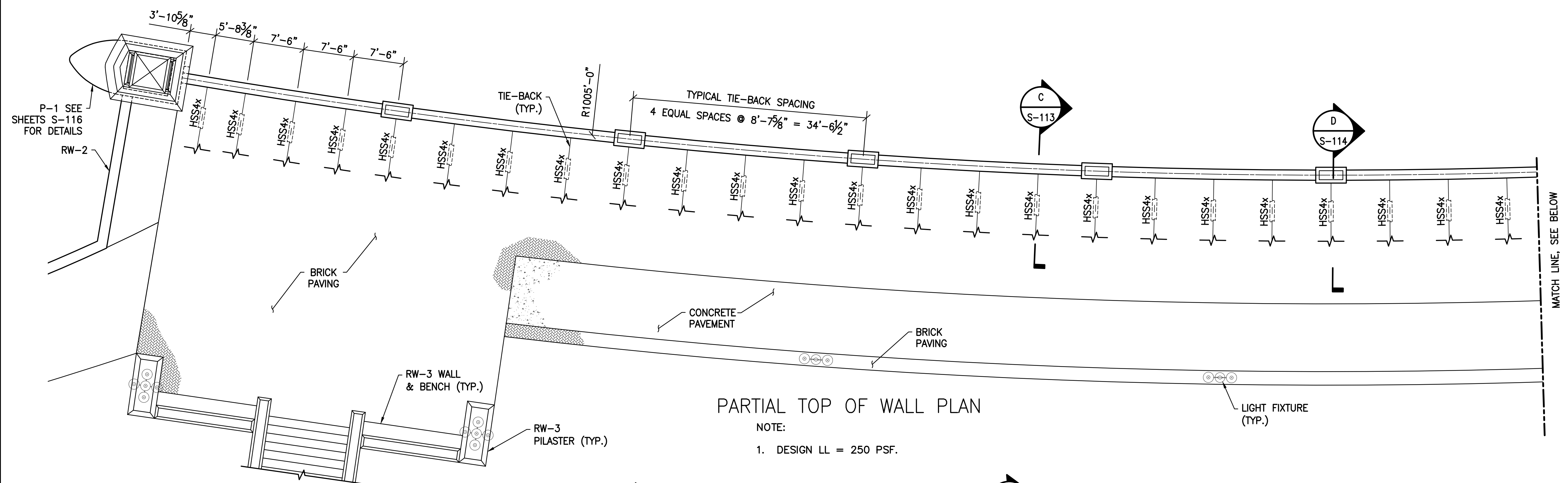
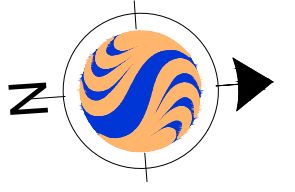
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RW-4 FOUNDATION PLAN 2

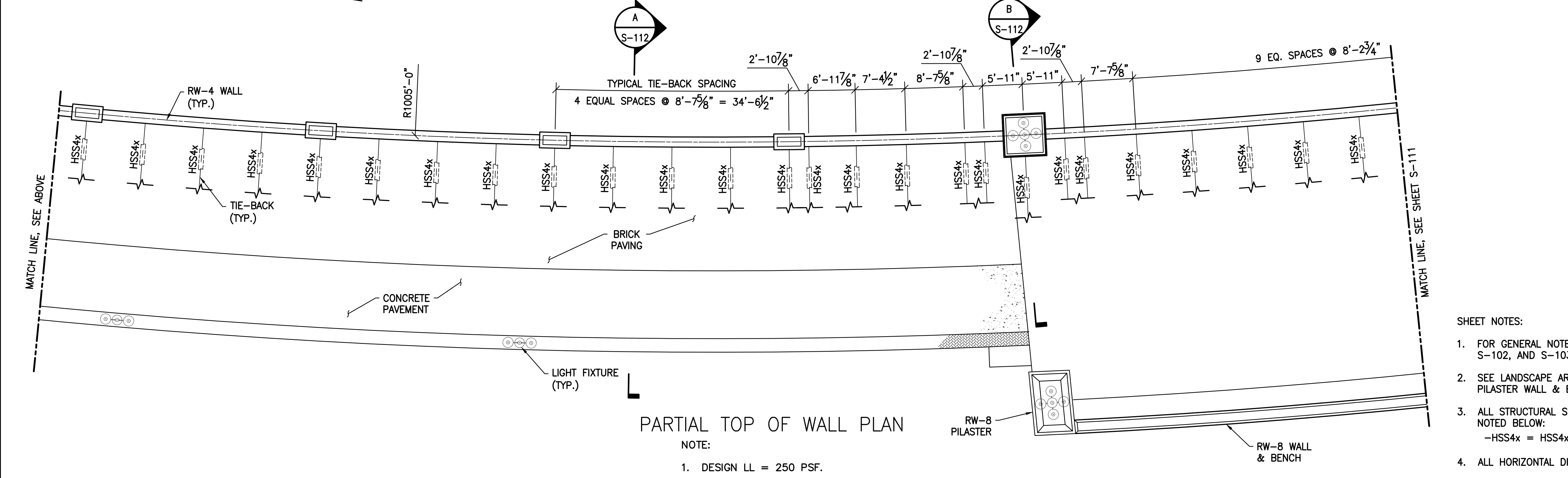
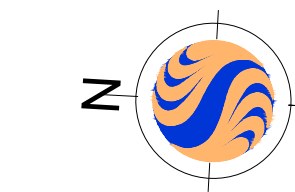
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COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	GLD	CON. DR.
INDEX DETAIL	RECORD FILE		

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 1/8" = 1'-0"	SHEET: S-109
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

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PARTIAL TOP OF WALL PLAN
NOTE:
1. DESIGN LL = 250 PSF.



PARTIAL TOP OF WALL PLAN
NOTE:
1. DESIGN LL = 250 PSF.

- SHEET NOTES:
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 - SEE LANDSCAPE ARCHITECT DRAWINGS FOR RW-3, RW-8, PILASTER WALL & BENCH, AND PAVEMENT DETAILS.
 - ALL STRUCTURAL SHAPES SHALL BE GALVANIZED STEEL AS NOTED BELOW:
-HSS4x = HSS4x4x1/4
 - ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG C/RW-4.

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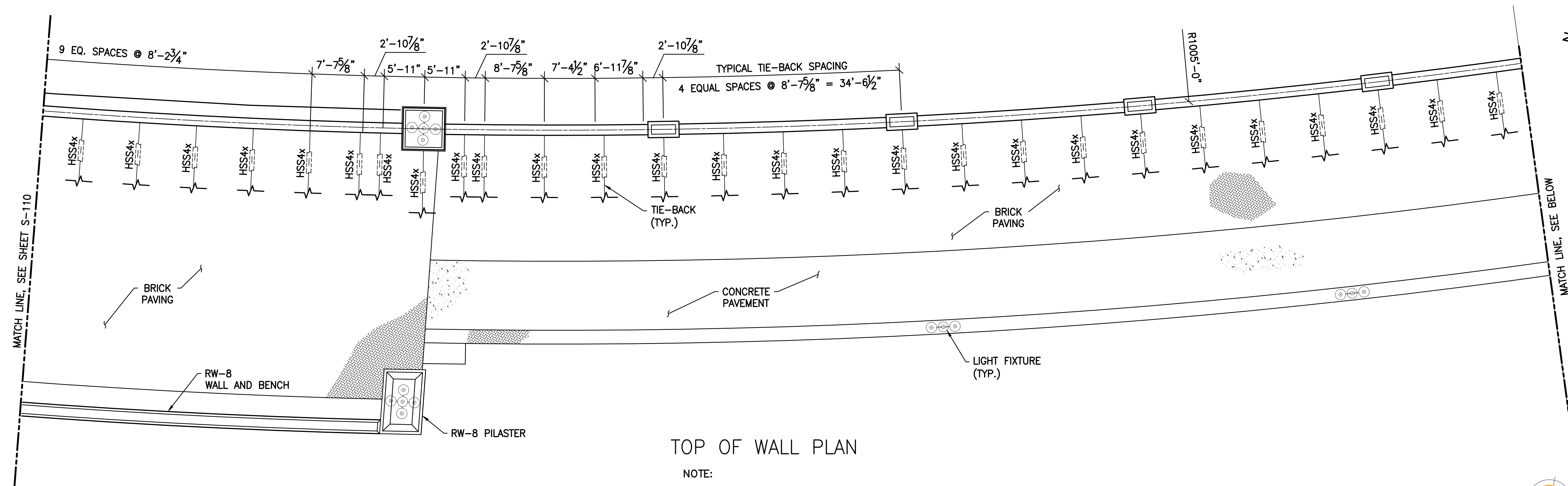
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RW-4 TOP OF WALL PLAN 1

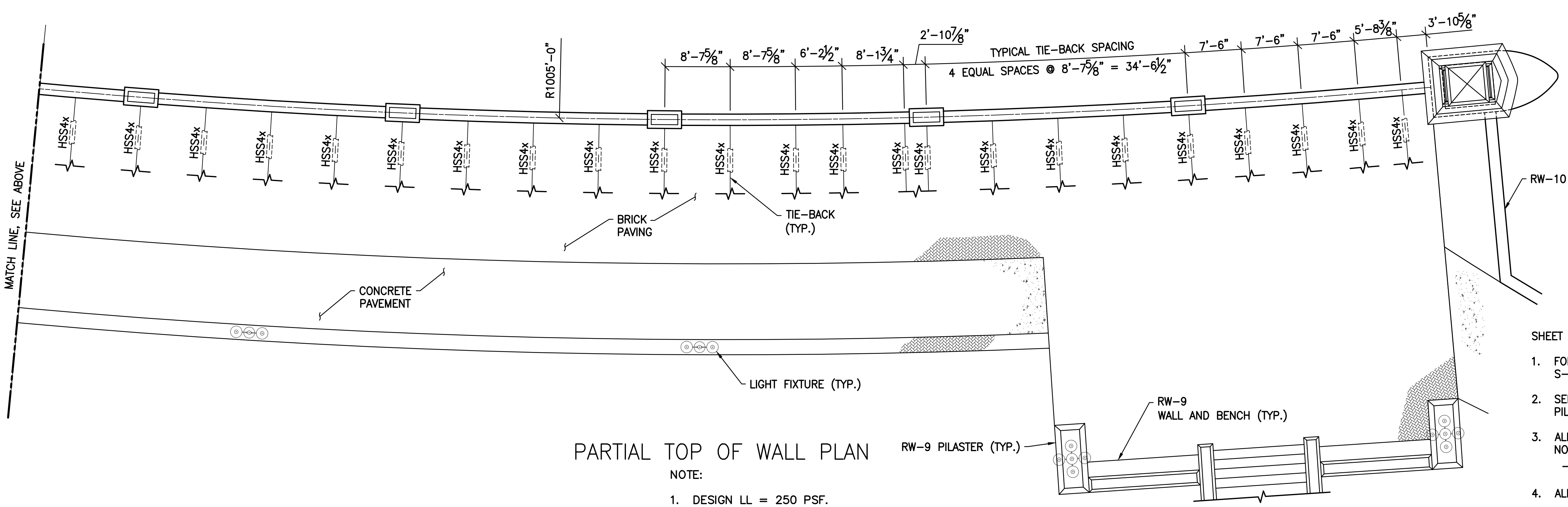
PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	GLD	CON. DR.
INDEX DETAIL	RECORD FILE		

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SCALE: 1/8" = 1'-0"	SHEET: S-110
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



TOP OF WALL PLAN

NOTE:
1. DESIGN LL = 250 PSF.



PARTIAL TOP OF WALL PLAN

NOTE:
1. DESIGN LL = 250 PSF.

- SHEET NOTES:
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 - SEE LANDSCAPE ARCHITECTURAL DRAWINGS FOR RW-8, RW-9, PILASTER WALL & BENCH, AND PAVEMENT DETAILS.
 - ALL STRUCTURAL SHAPES SHALL BE GALVANIZED STEEL AS NOTED BELOW:
-HSS4x = HSS4x4x1/4
 - ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG C/RW-4.

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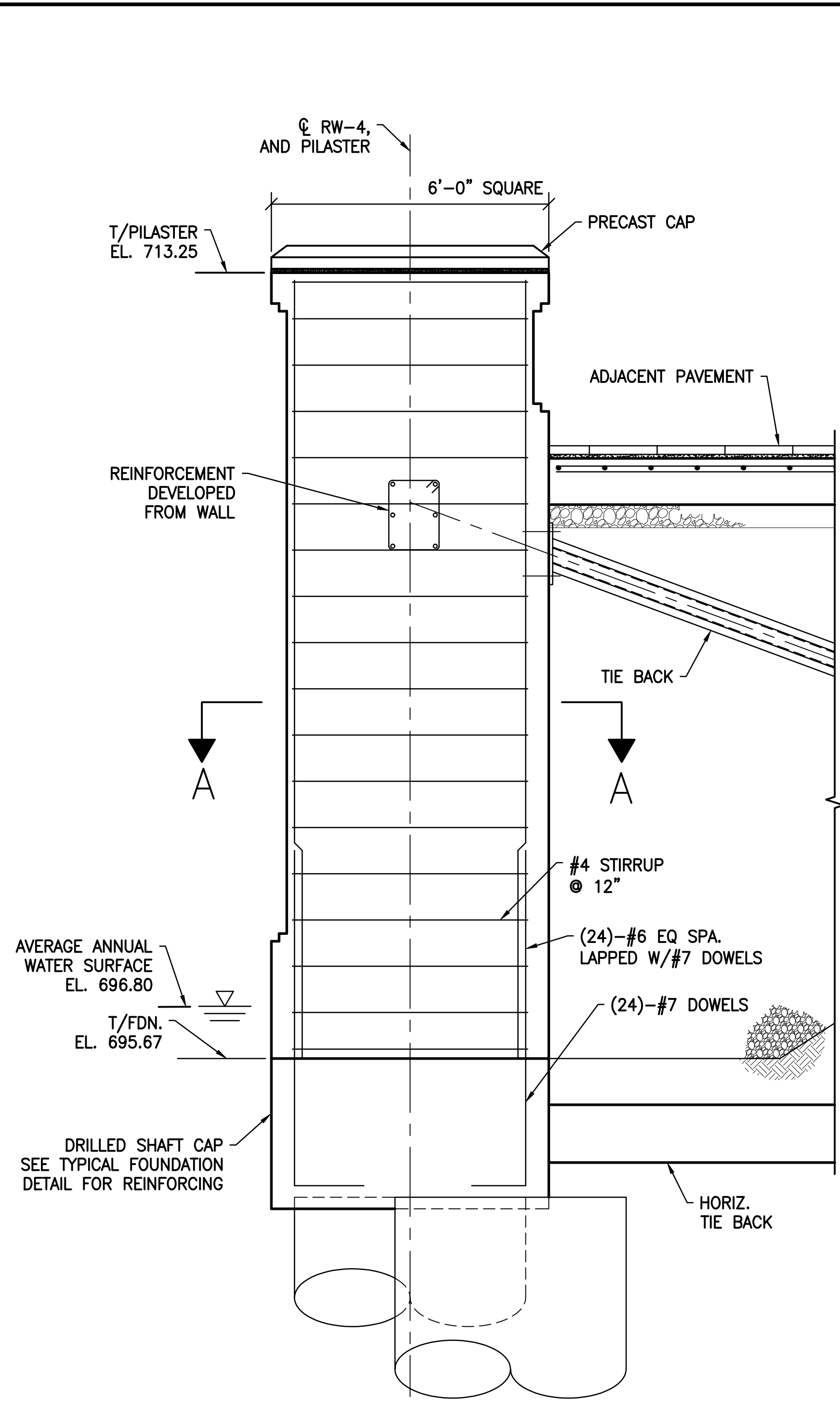
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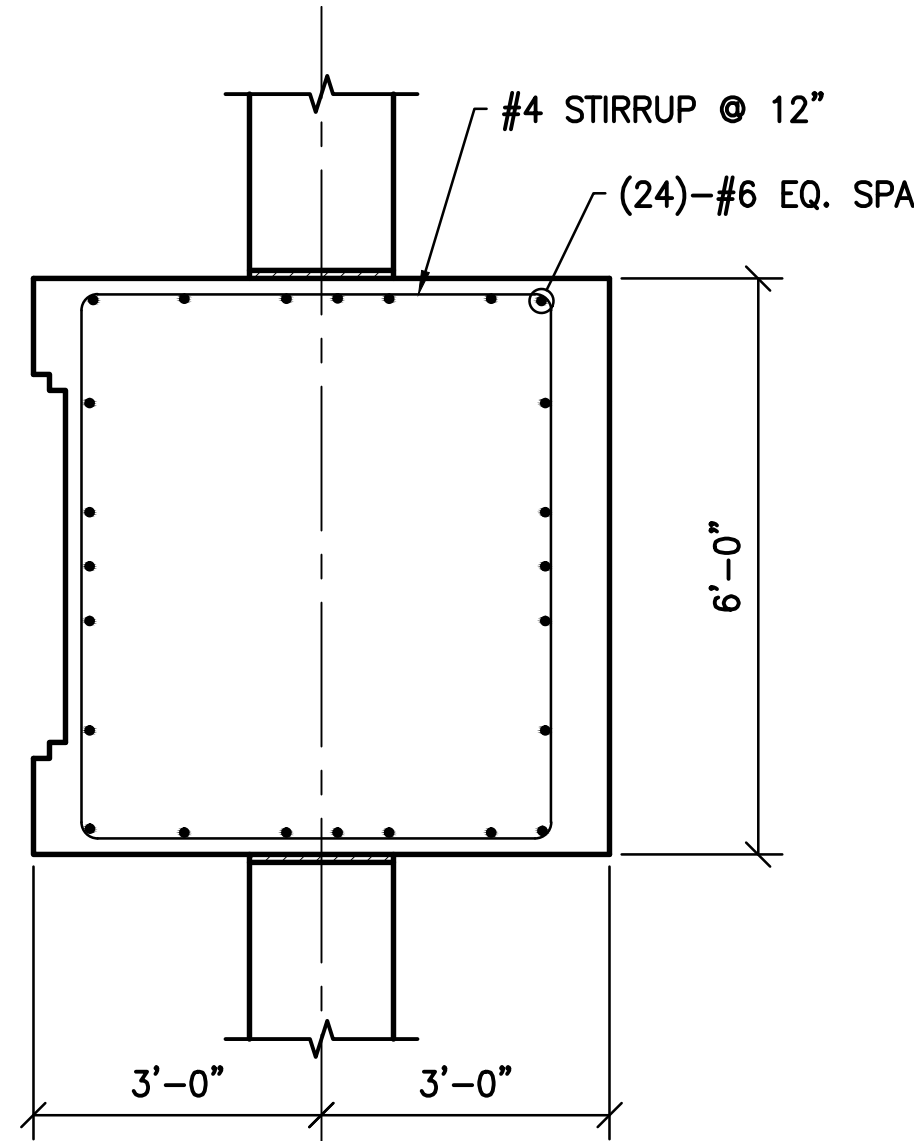
RW-4 TOP OF WALL PLAN 2

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
		AGREEMENT COMPLETED	
		RPD	CKD
		CLD	CON. DR.
		INDEX	RECORD
		DETAIL	FILE

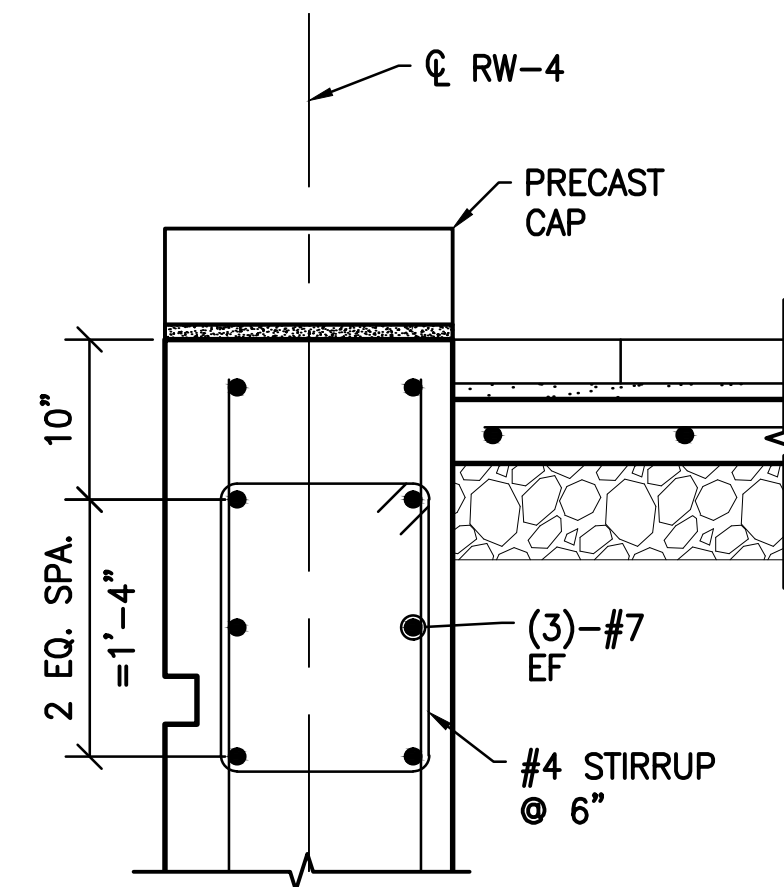
CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE	
DIVISION USE ONLY	
SCALE: 1/8" = 1'-0"	SHEET: S-111
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



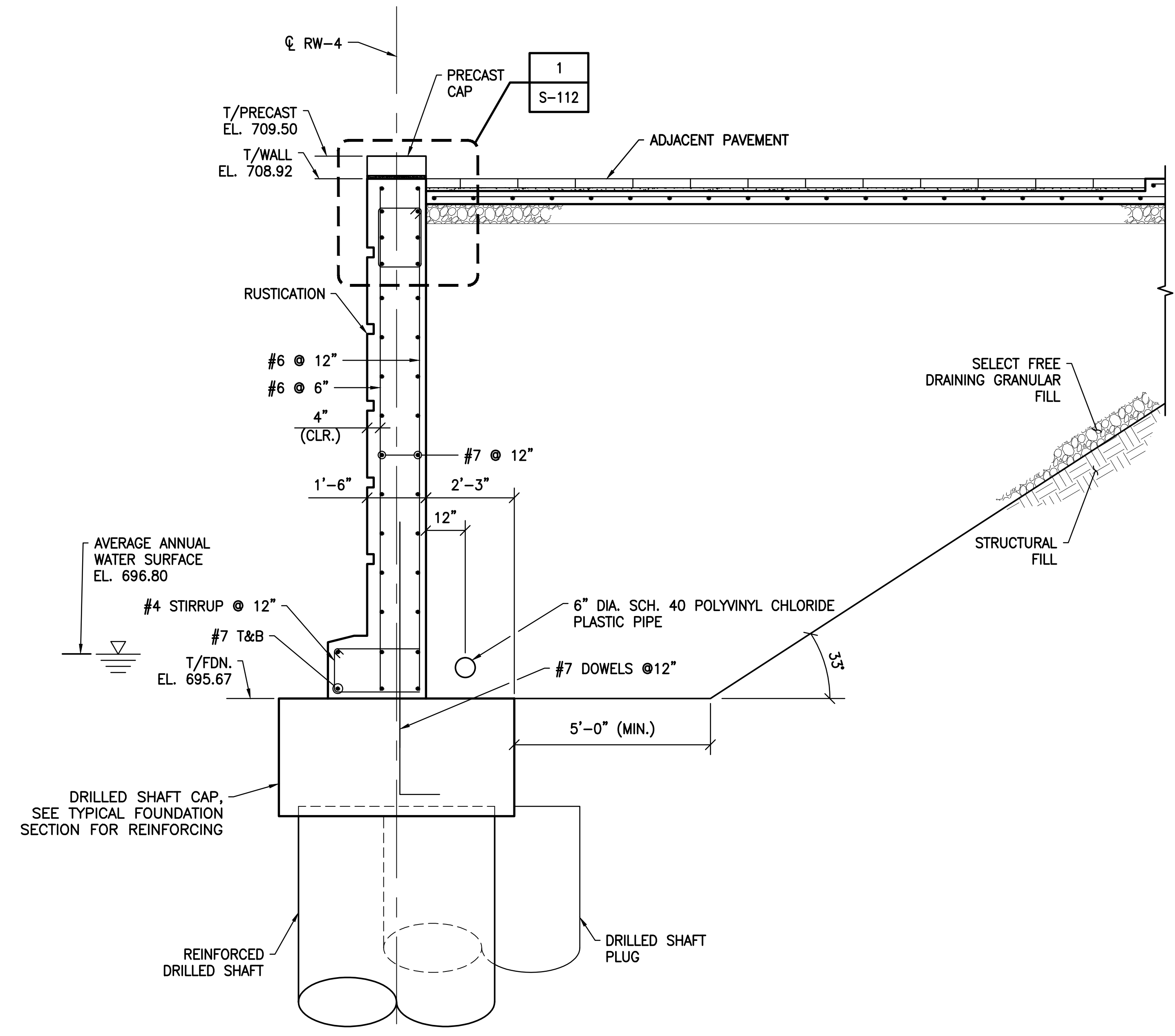
B SECTION
S-106 SCALE: 1/2" = 1'-0"



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



1 DETAIL
S-112 SCALE: 1" = 1'-0"



A SECTION
S-106 SCALE: 1/2" = 1'-0"

- SHEET NOTES:
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 - SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR ADJACENT PAVEMENT, RUSTICATION AND PRECAST CAP DETAILS.
 - RAILING NOT SHOWN FOR CLARITY.

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EASEMENT REFERENCE		
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	VOL. PAGE	

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

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1500 Lake Shore Drive, Suite 100
Columbus, Ohio 43204
(614) 486-4383
(614) 486-4387

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PROJECT TITLE:

COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION
SCIOTO GREENWAYS PROJECT
CITY OF COLUMBUS, OHIO

DIVISION USE ONLY

OWNER

CONTRACTOR

INSPECTOR

AGREEMENT COMPLETED

RPD CKD GLD CON. DR.

INDEX DETAIL RECORD FILE

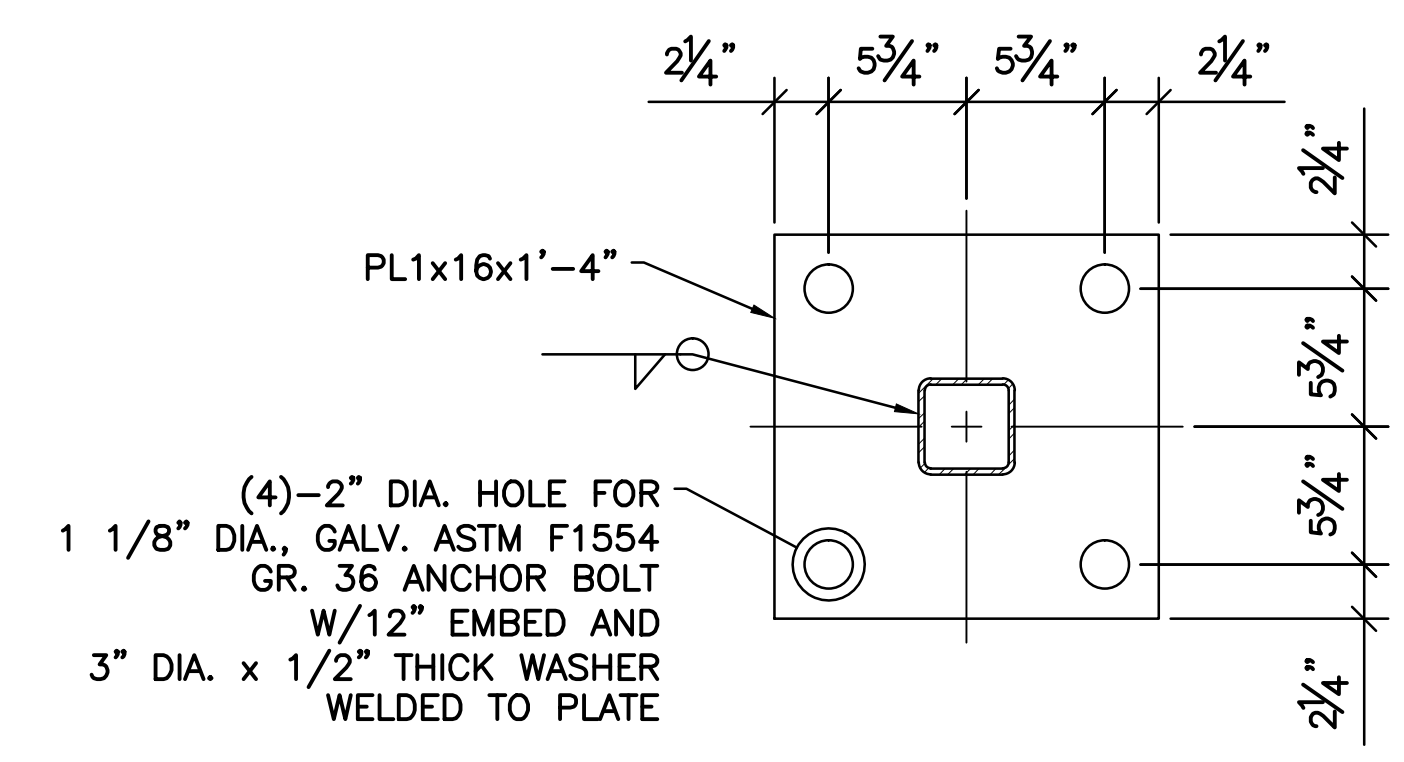
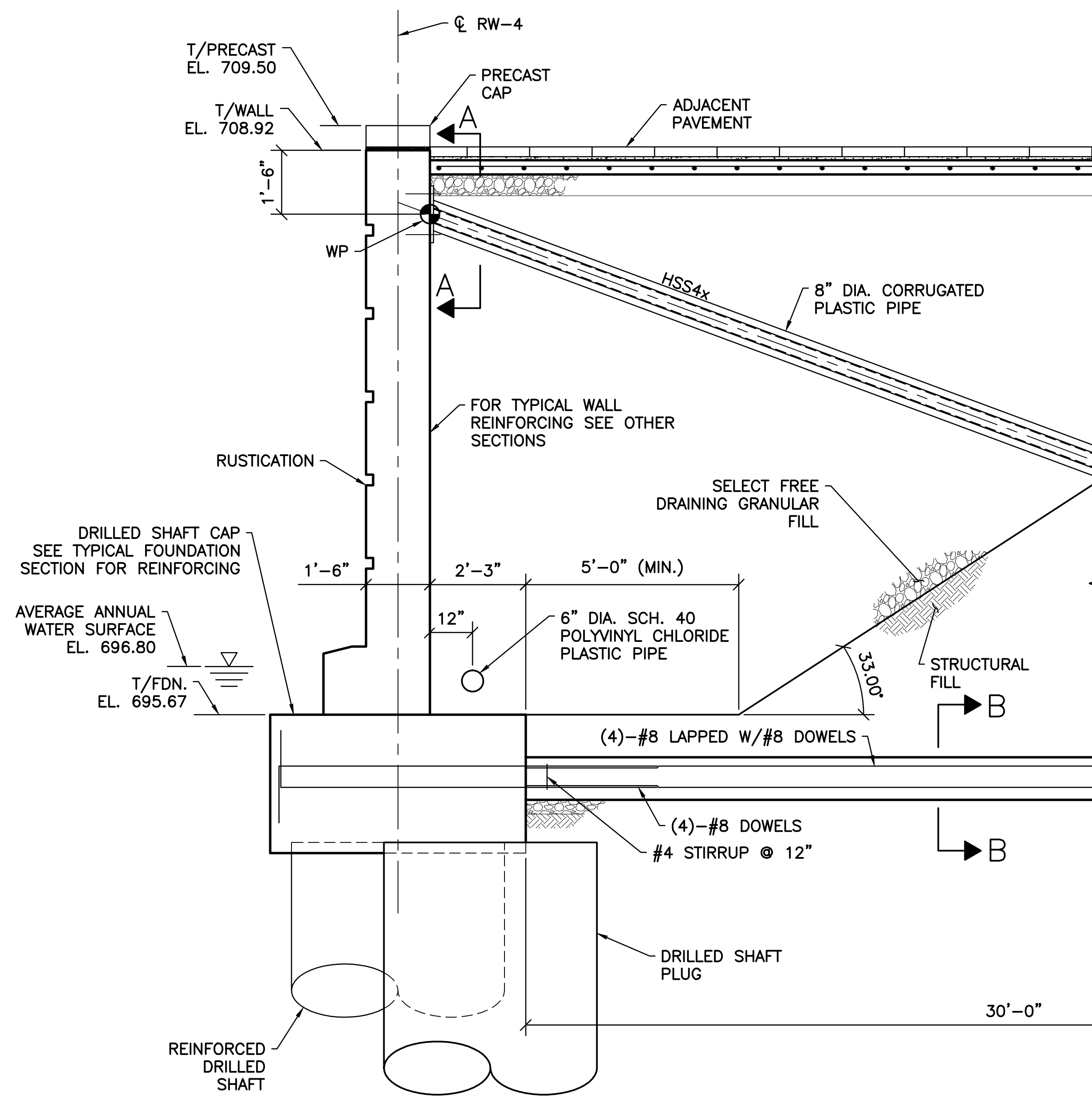
SCALE: AS NOTED

SHEET: S-112

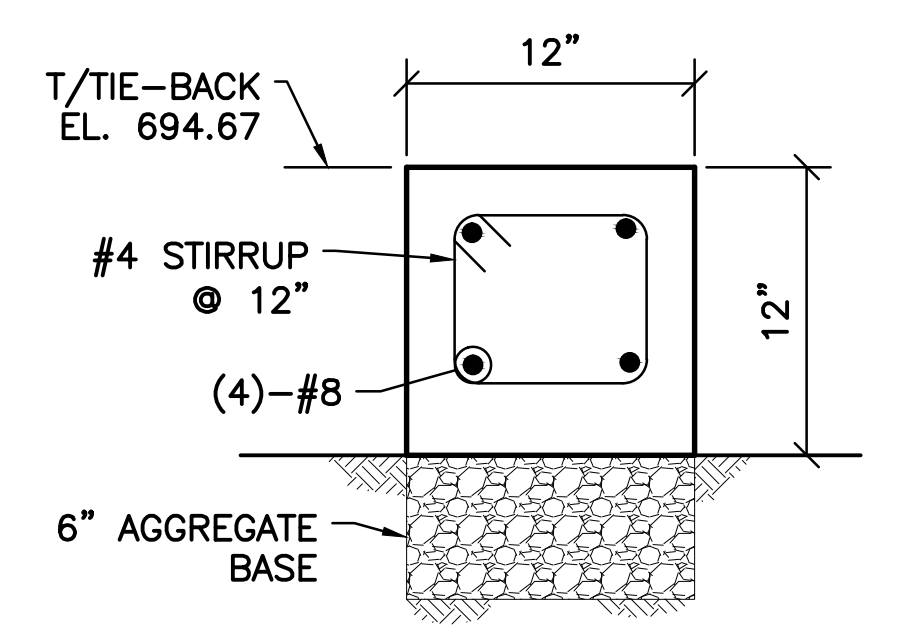
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RECORD PLAN NO.

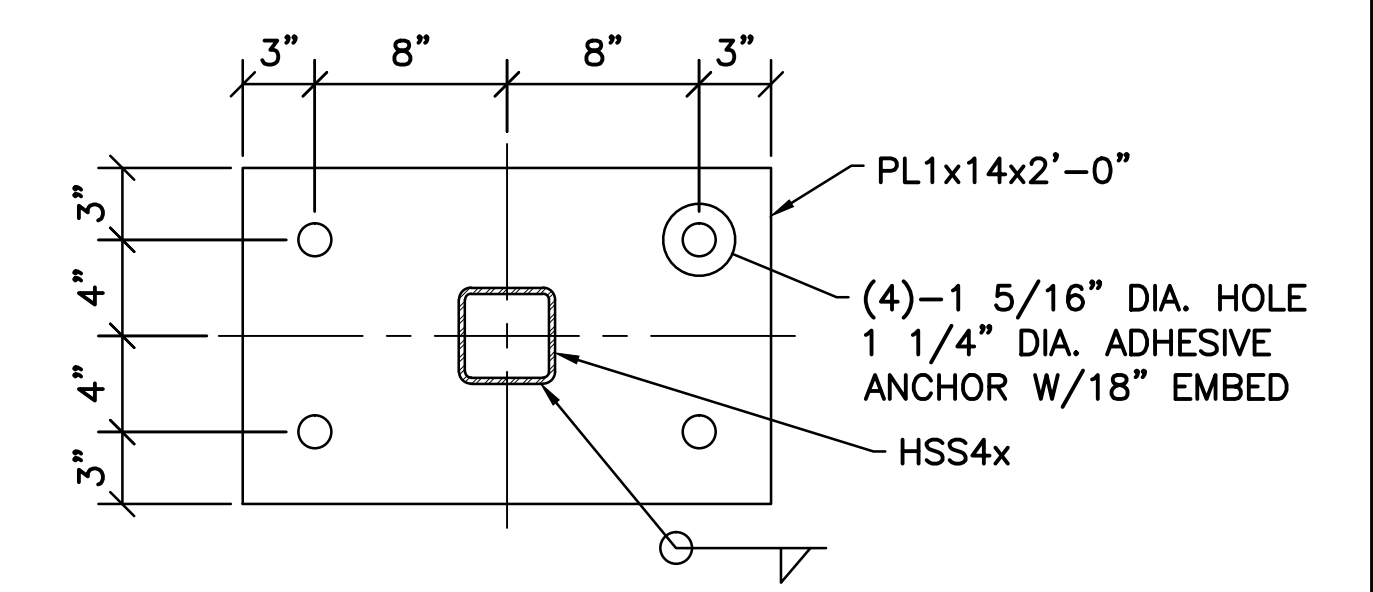
RW-4 SECTIONS AND DETAIL



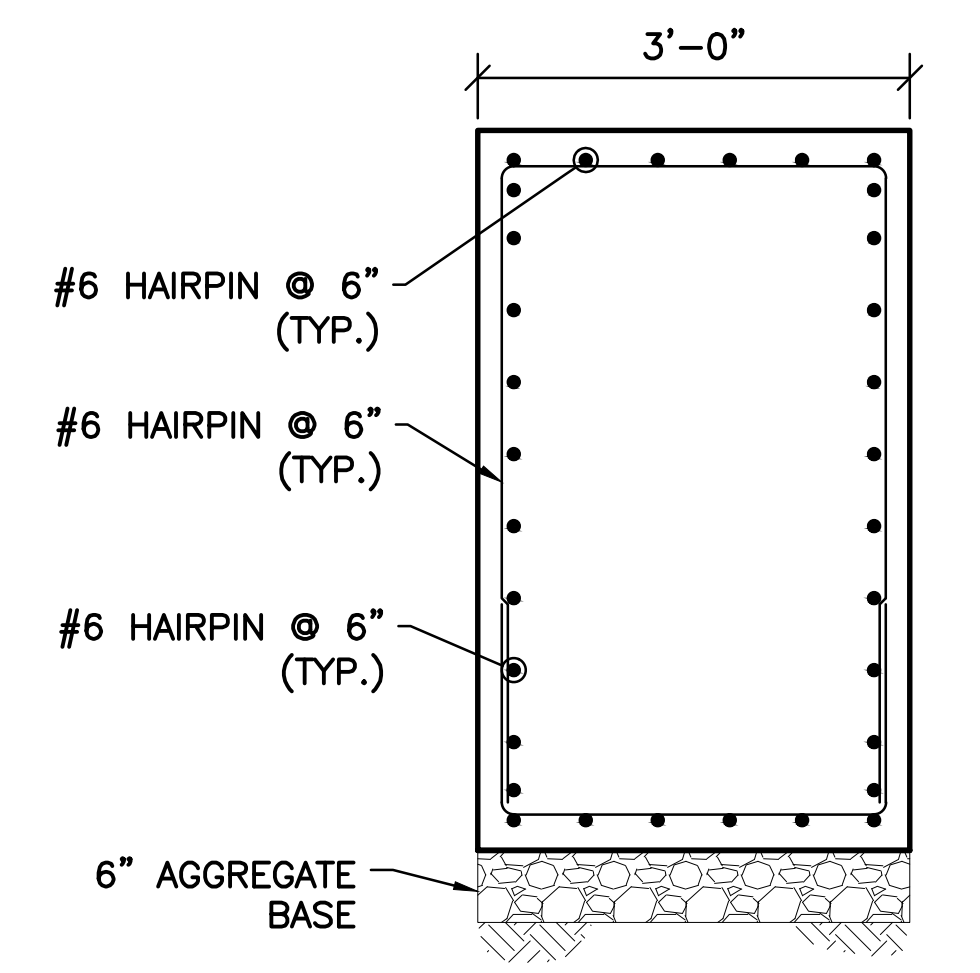
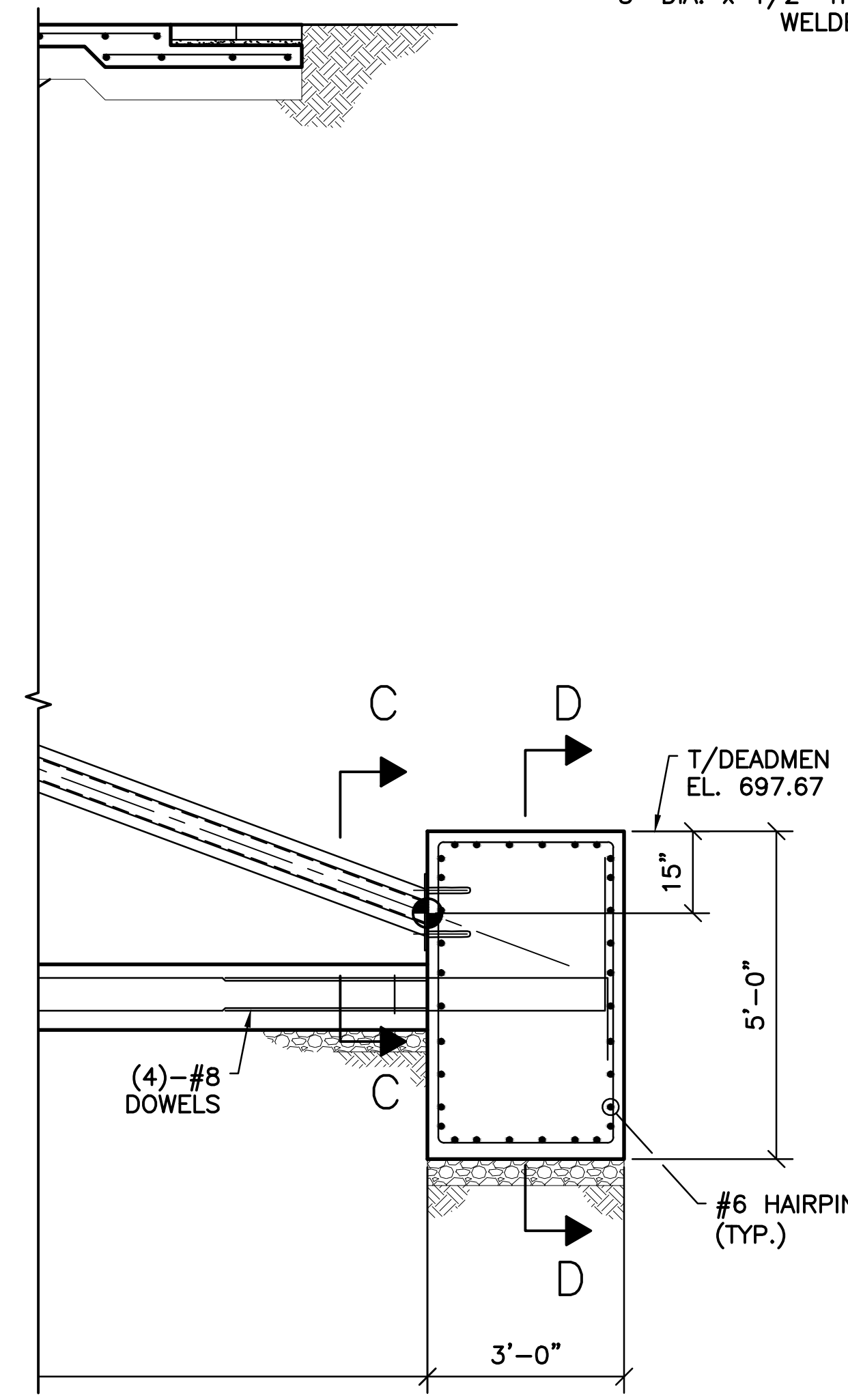
SECTION A-A
SCALE: 1 1/2\"/>



SECTION B-B
SCALE: 1 1/2\"/>



SECTION C-C
SCALE: 1 1/2\"/>



SECTION D-D
SCALE: 3/4\"/>

C SECTION
S-106 SCALE: 1/2\"/>

NOTE:
1. TYPICAL WALL REINFORCING NOT SHOWN FOR CLARITY.

- SHEET NOTES:
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 - SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR ADJACENT PAVEMENT, RUSTICATION AND PRECAST CAP DETAILS.
 - RAILING NOT SHOWN FOR CLARITY.

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EASEMENT REFERENCE			GRANTOR
CITY NO.	COUNTY RECORDER VOL. PAGE		

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

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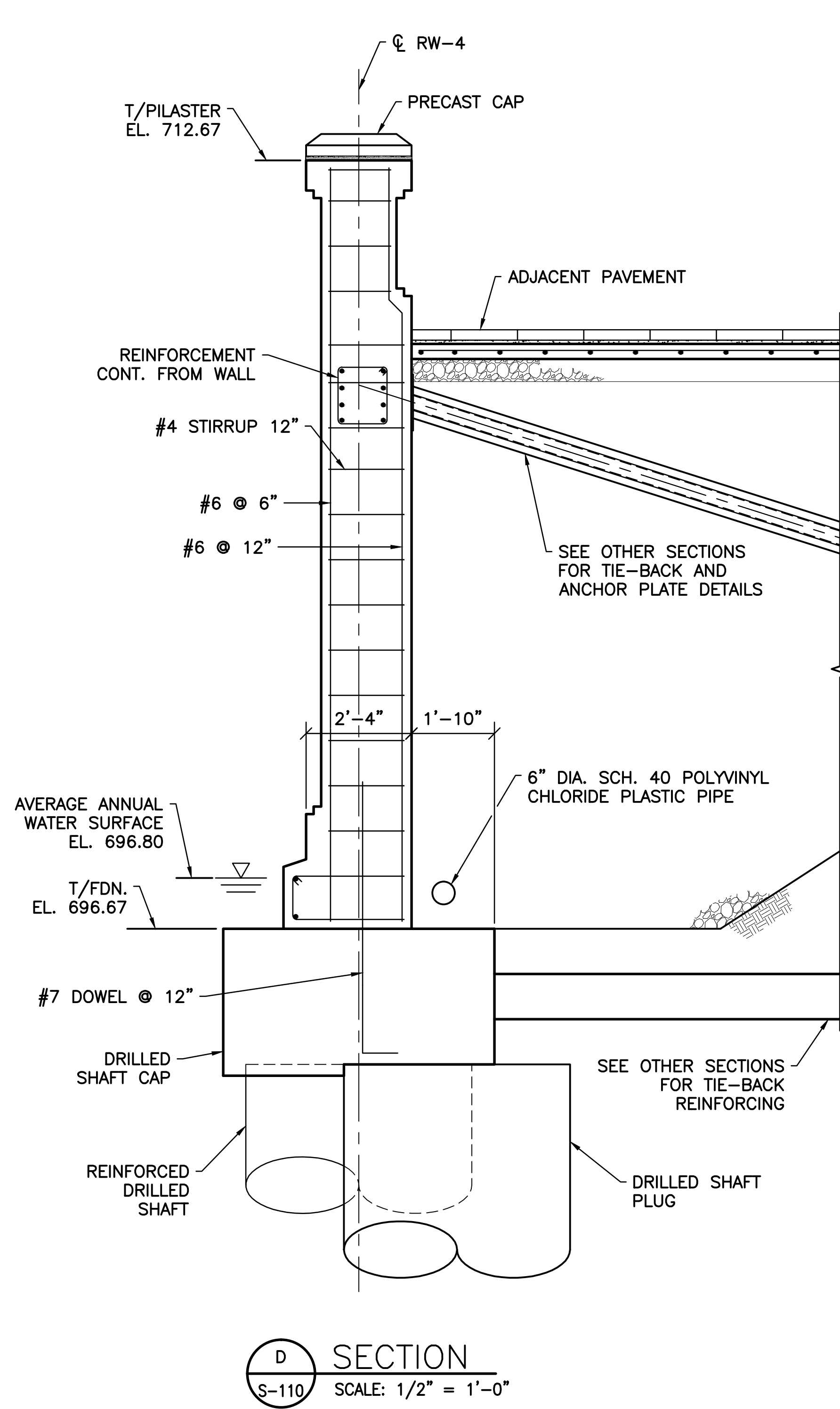
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Columbus, Ohio 43204
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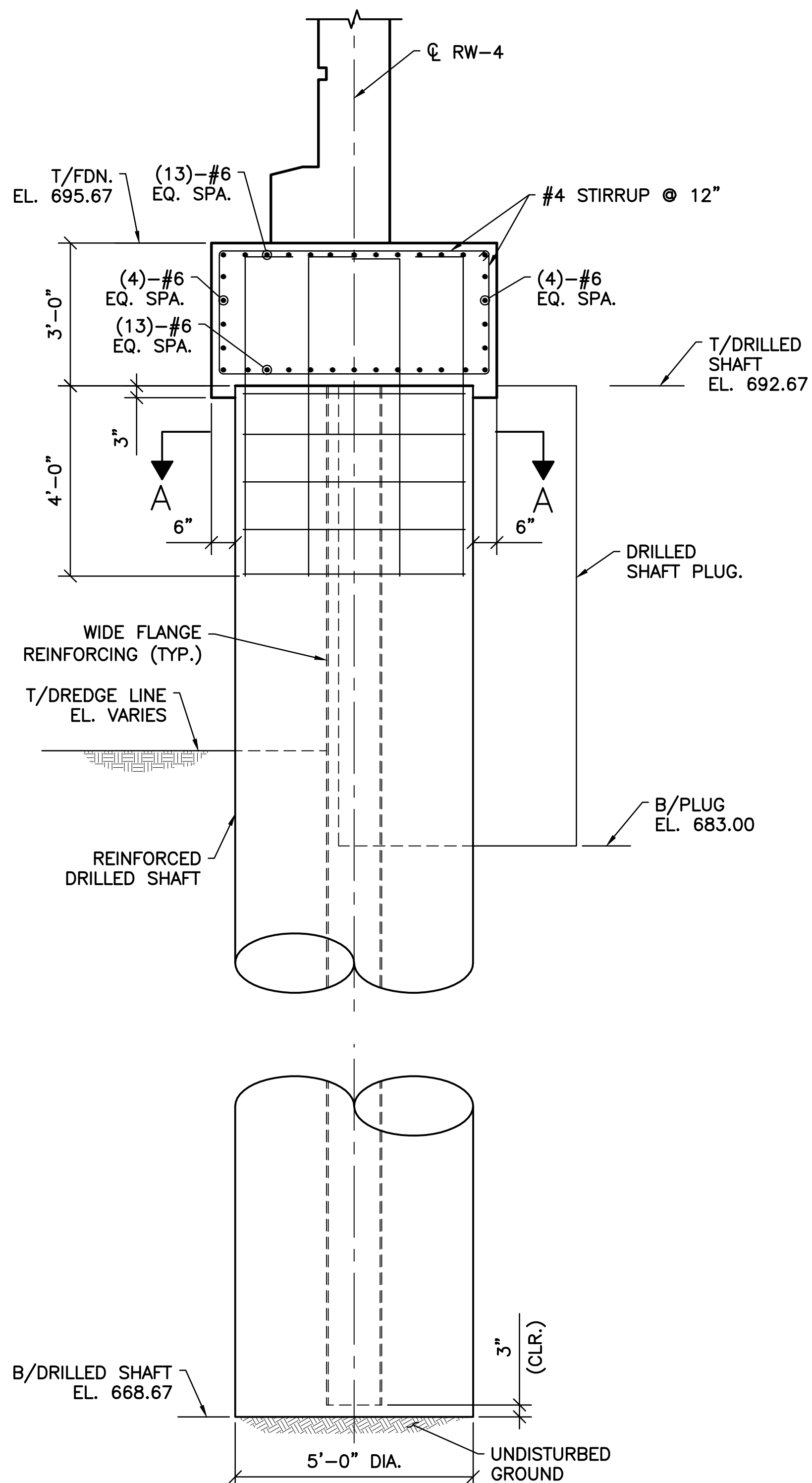
RW-4 SECTIONS AND DETAILS

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	GLD	CON. DR.
INDEX DETAIL	RECORD FILE		

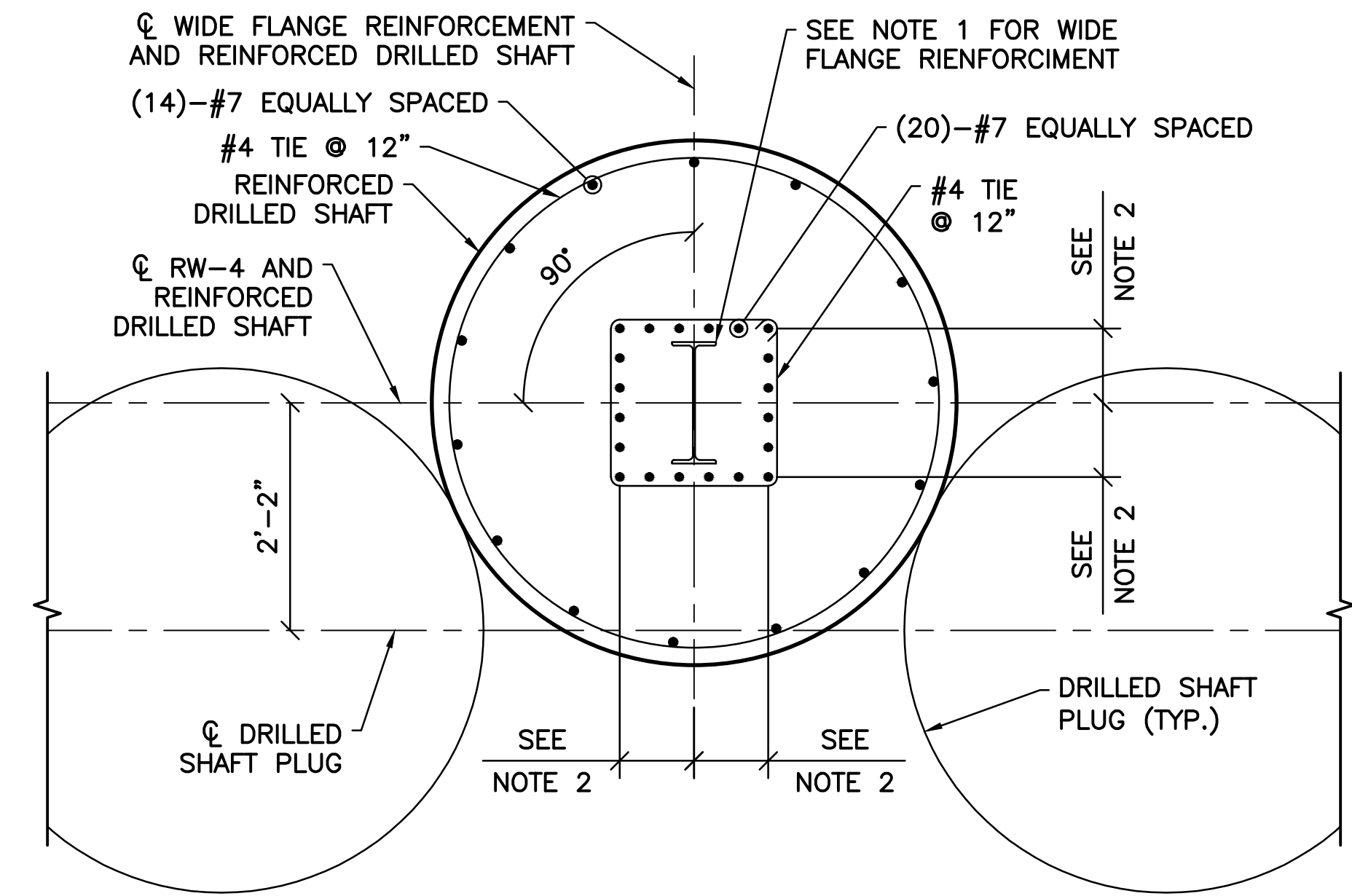
CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-113
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



D SECTION
SCALE: 1/2" = 1'-0"



TYPICAL FOUNDATION SECTION
SCALE: 1/2" = 1'-0"



SECTION A-A
SCALE: 3/4" = 1'-0"

- NOTE:**
- WIDE FLANGE REINFORCING FOR REINFORCED DRILLED SHAFTS:
 -REINFORCED DRILLED SHAFTS 11 THRU 185 = W14x26
 -REINFORCED DRILLED SHAFTS 1,3,193, AND 195 = W21x55
 - DIMENSION TO INTERIOR REINFORCING:
 -REINFORCED DRILLED SHAFTS 11 THRU 185 = 8 1/2"
 -REINFORCED DRILLED SHAFTS 1,3,193 AND 195 = 11 1/2"

- SHEET NOTES:**
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 - SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR ADJACENT PAVEMENT, RUSTICATION AND PRECAST CAP DETAILS.

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EASEMENT REFERENCE			REVISIONS		
CITY NO.	COUNTY RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE
	VOL. PAGE				

EASEMENT REFERENCE			REVISIONS		
CITY NO.	COUNTY RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE
	VOL. PAGE				

PREPARED BY:

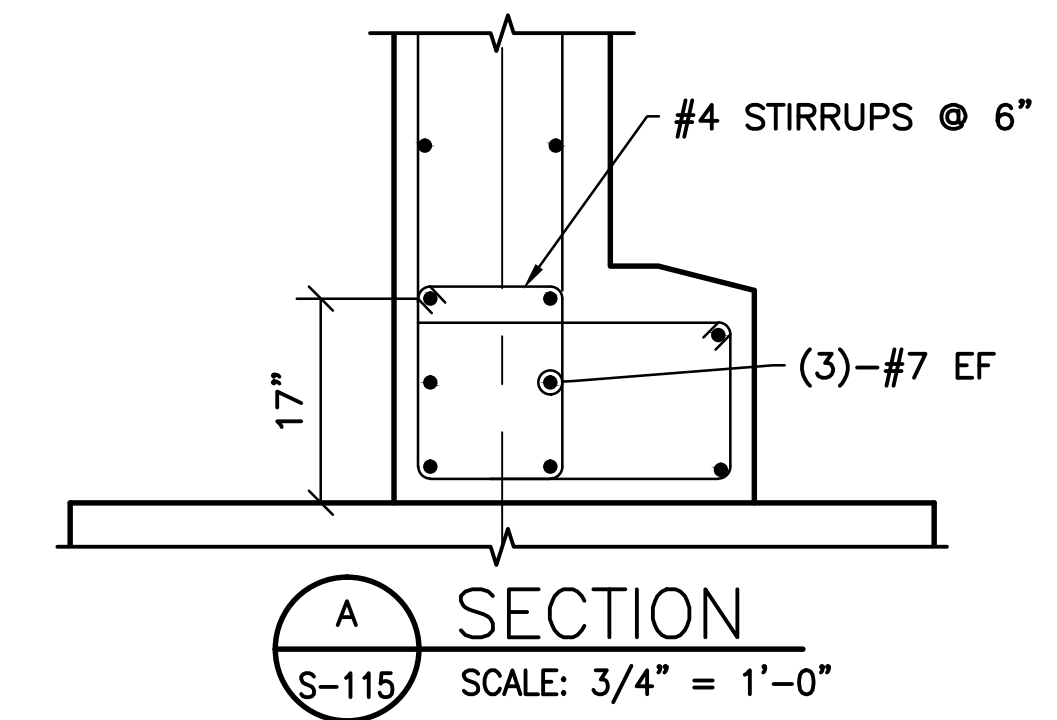
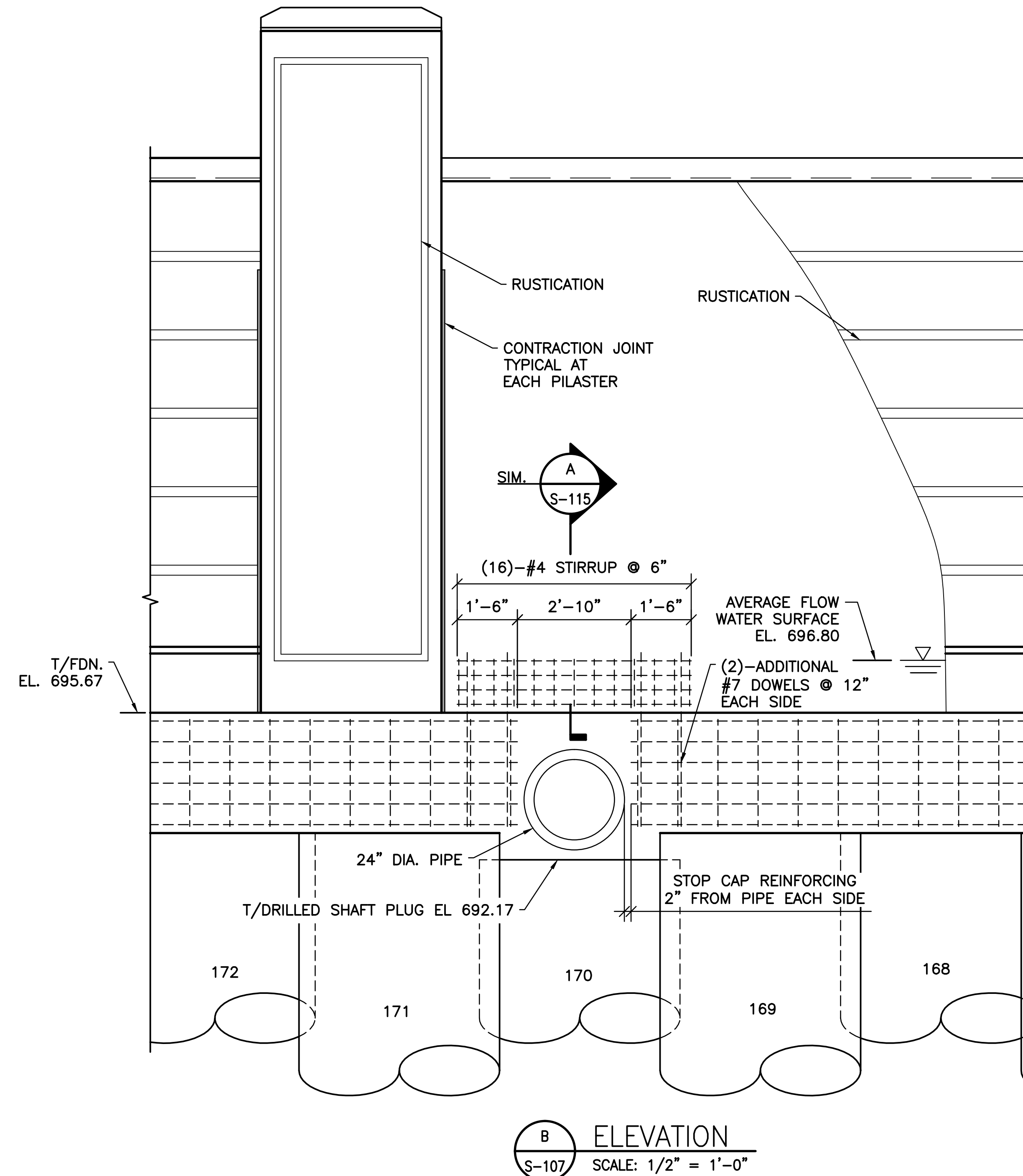
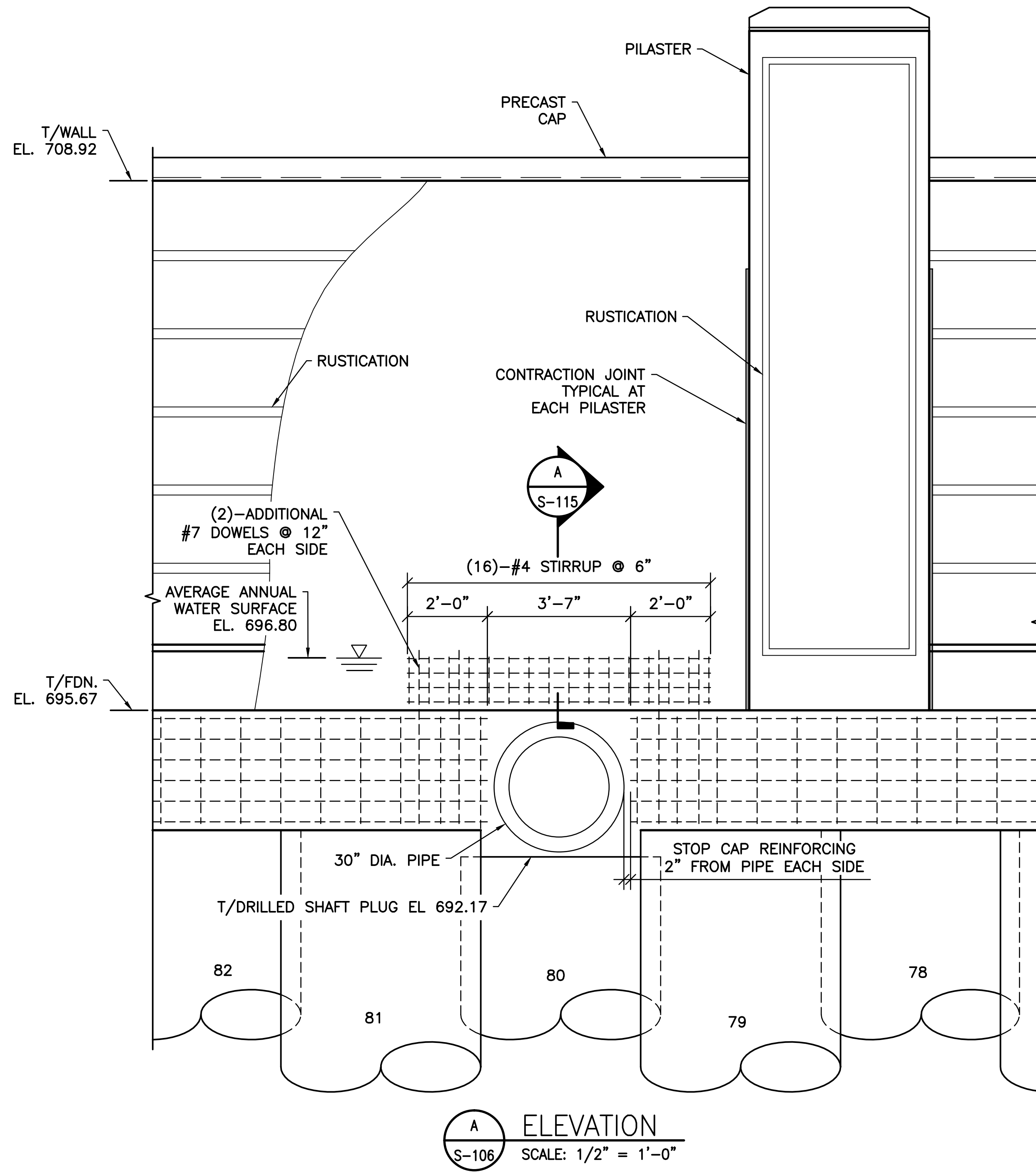
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 (614) 486-4387

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RW-4 SECTIONS 3

PROJECT TITLE:					
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO					
DIVISION USE ONLY			OWNER		
			CONTRACTOR		
			INSPECTOR		
AGREEMENT		COMPLETED			
RPD	CKD	GLD	CON.	DR.	
INDEX DETAIL		RECORD FILE			

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-114
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



- SHEET NOTES:**
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 - SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR ADJACENT PAVEMENT, RUSTICATION AND PRECAST CAP DETAILS.
 - TYPICAL WALL REINFORCING NOT SHOWN FOR CLARITY, SEE SHEETS S-112 THRU S-114.
 - RAILING NOT SHOWN FOR CLARITY.

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EASEMENT REFERENCE			REVISIONS		
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	VOL.	PAGE			
GRANTOR					

EASEMENT REFERENCE			REVISIONS		
CITY NO.	COUNTY RECORDER		NO.	DESCRIPTION	APPROVAL/DATE
	VOL.	PAGE			
GRANTOR					

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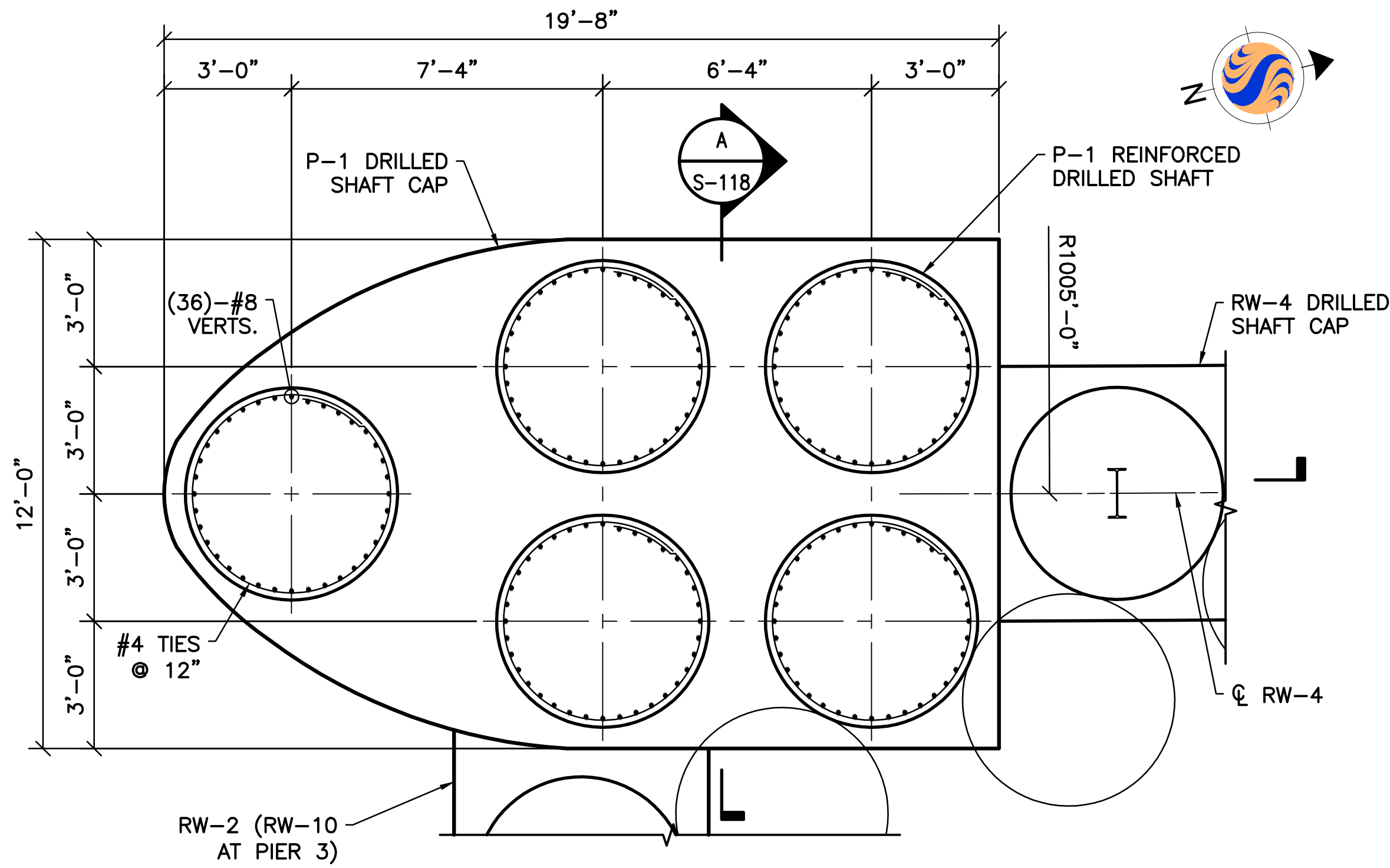

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RW-4 ELEVATIONS AND SECTION

PROJECT TITLE:					
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO					
DIVISION USE ONLY			OWNER		
			CONTRACTOR		
			INSPECTOR		
AGREEMENT		COMPLETED			
RPD	CKD	GLD	CON. DR.		
INDEX DETAIL		RECORD FILE			

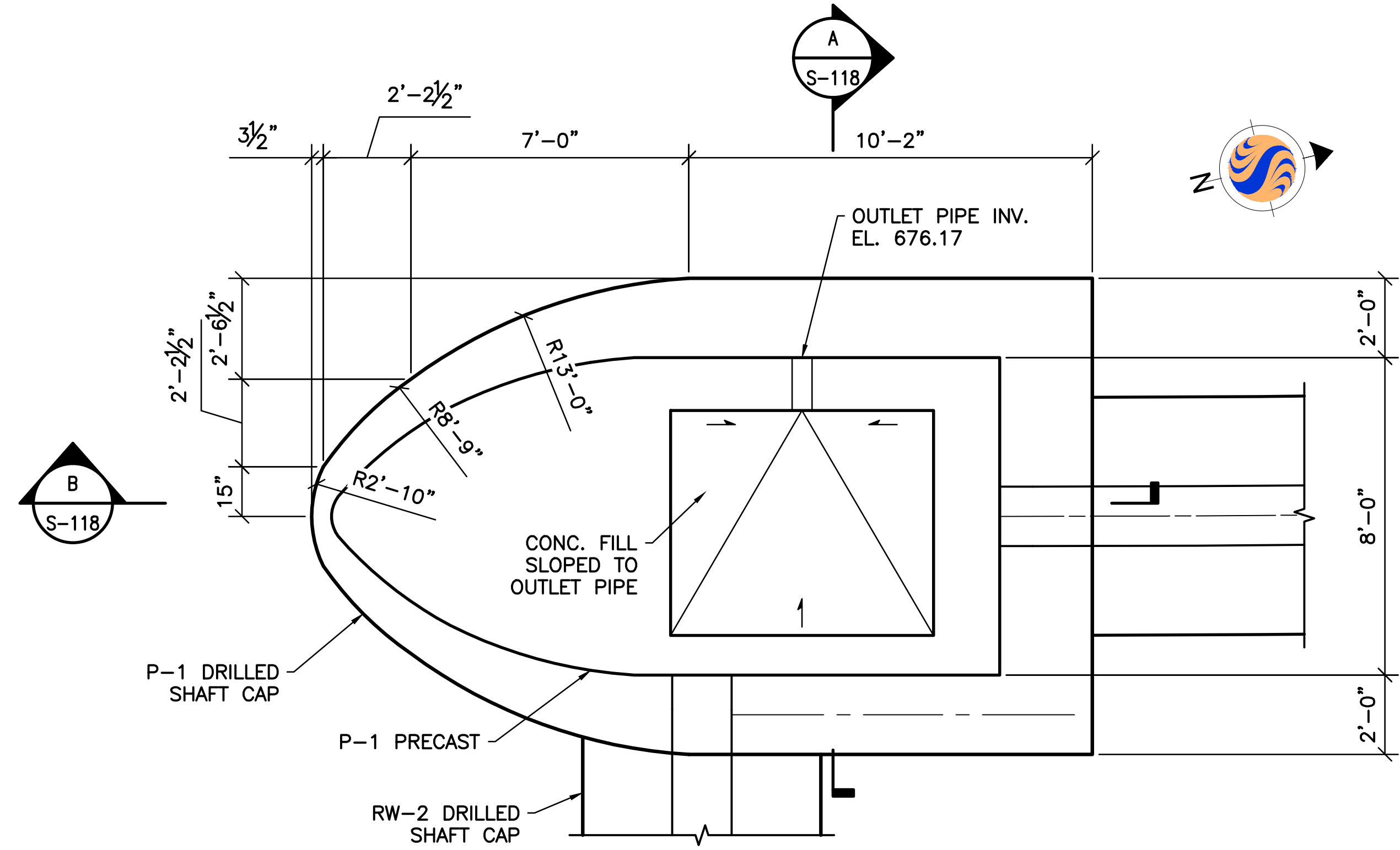
CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-115
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



P-1 DRILLED SHAFT PLAN
SCALE: 3/8" = 1'-0"

NOTES:

1. MAX. ALLOWABLE STRONG AXIS LATERAL CAPACITY OF REINFORCED DRILLED SHAFTS = XX TONS.
2. MAX. ALLOWABLE WEAK AXIS LATERAL CAPACITY OF REINFORCED DRILLED SHAFTS = XX TONS.
3. MAX. VERTICAL CAPACITY OF REINFORCED DRILLED SHAFTS = XX TONS.



P-1 FOUNDATION PLAN
SCALE: 3/8" = 1'-0"

NOTES:

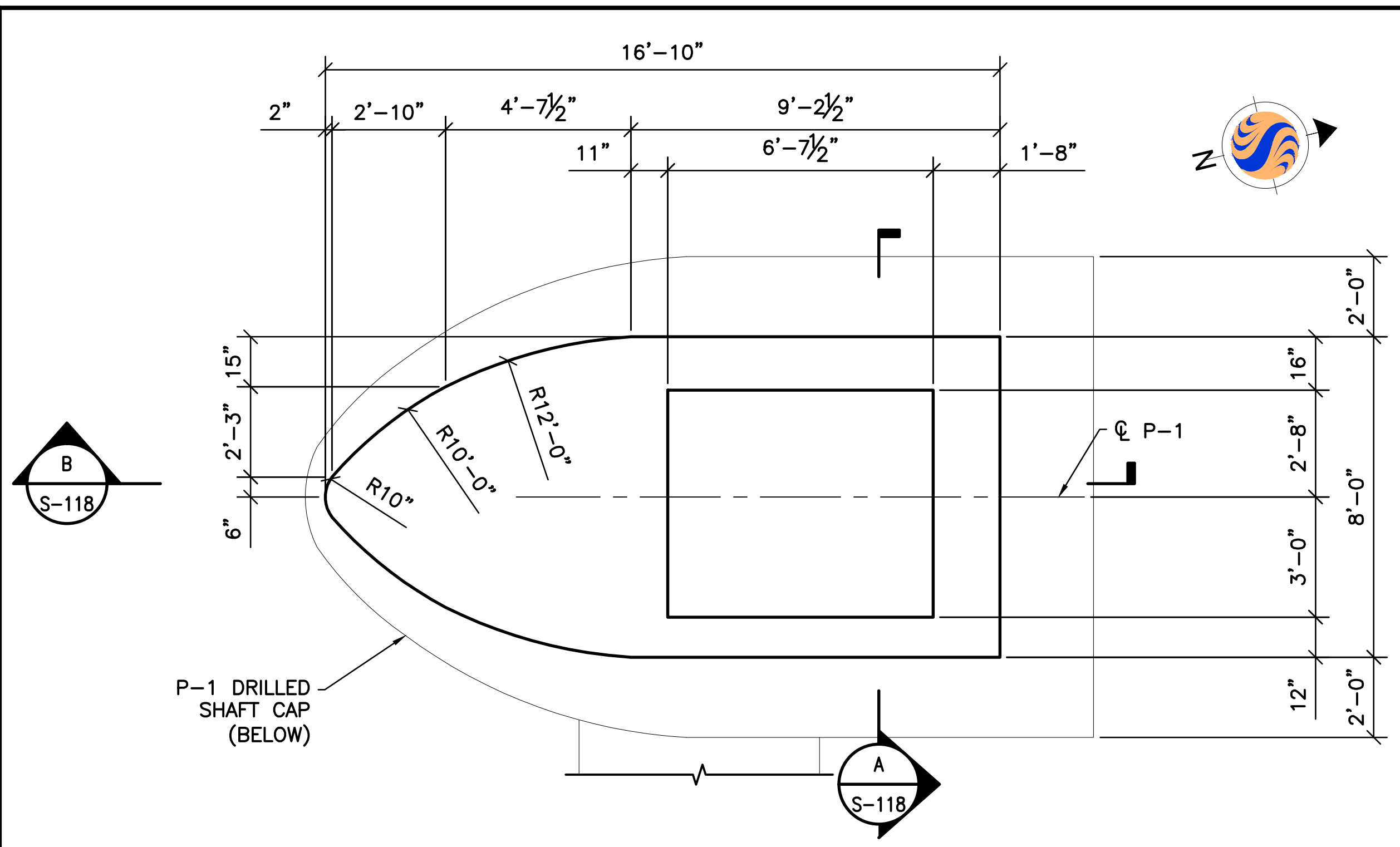
1. OUTLET PIPE TO BE 6" DIA. SCH. 40 POLYVINYL CHLORIDE SOLID WALL PIPE.

SHEET NOTES:

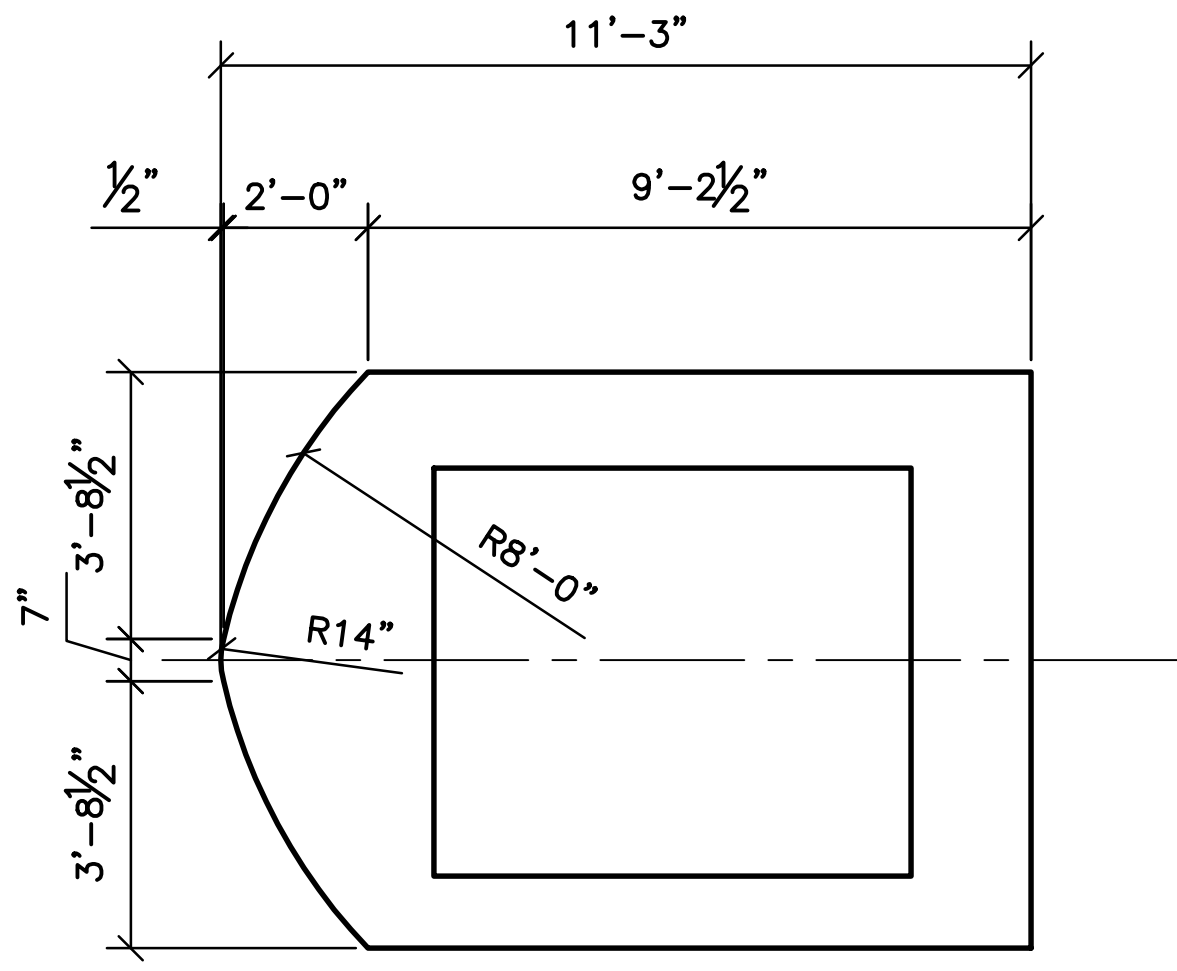
1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
2. P-3 OPPOSITE HAND.

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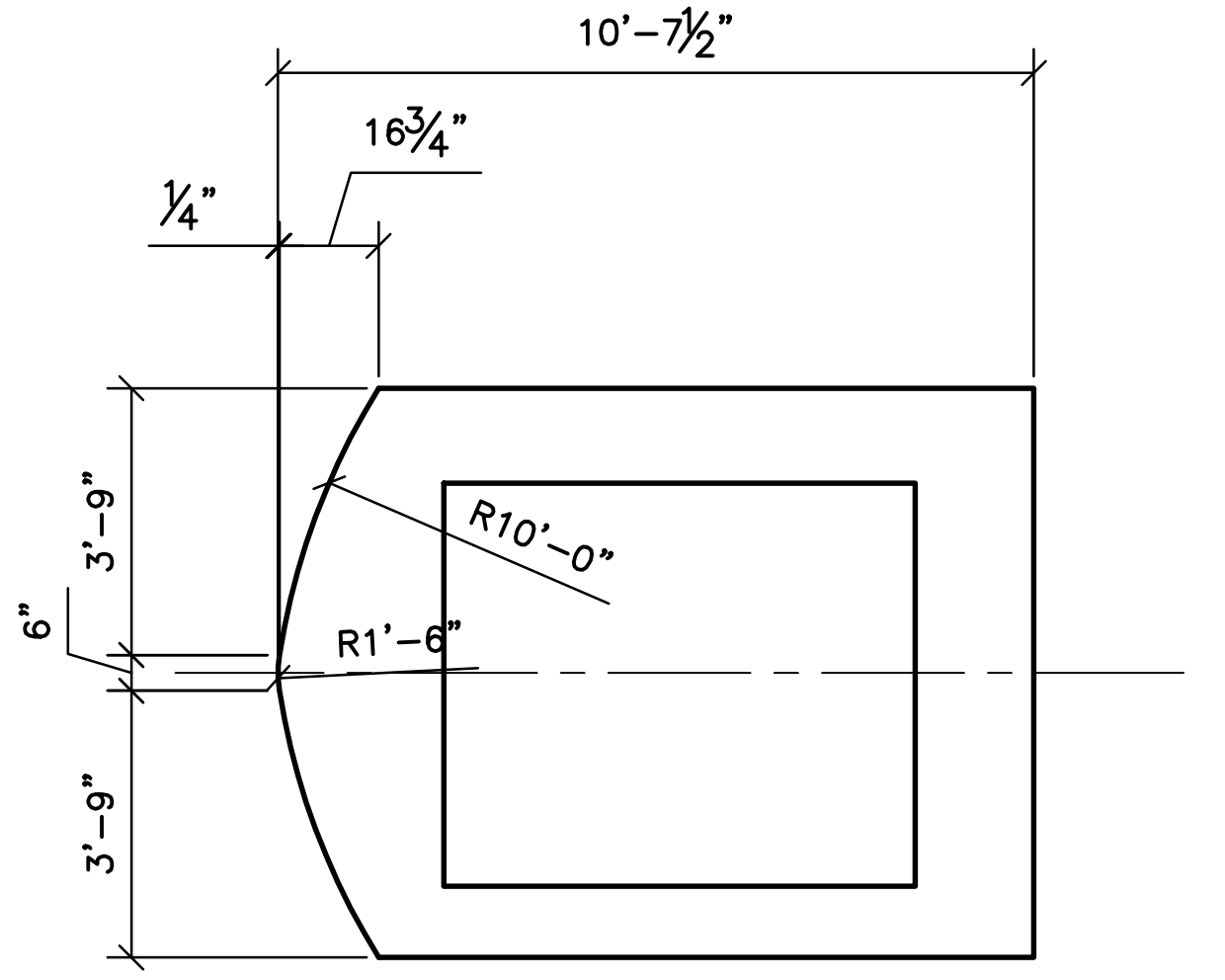
EASEMENT REFERENCE			REVISIONS			PREPARED BY:		PROJECT TITLE:				CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
CITY NO.	COUNTY RECORDER		NO.	DESCRIPTION	APPROVAL/DATE	Stantec	Stantec Consulting Services Inc. 1500 Lake Shore Drive, Suite 100 Columbus, Ohio 43204 (614) 486-4383 (614) 486-4387	COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO				SCALE: AS NOTED	SHEET: S-116
	VOL.	PAGE						GRANTOR	DIVISION USE ONLY		OWNER		
						MKSK <small>LANDSCAPE ARCHITECTURE • URBAN PLANNING</small>		CONTRACTOR		INSPECTOR		CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.
								AGREEMENT	COMPLETED	RPD	CKD		
								INDEX DETAIL	RECORD FILE				



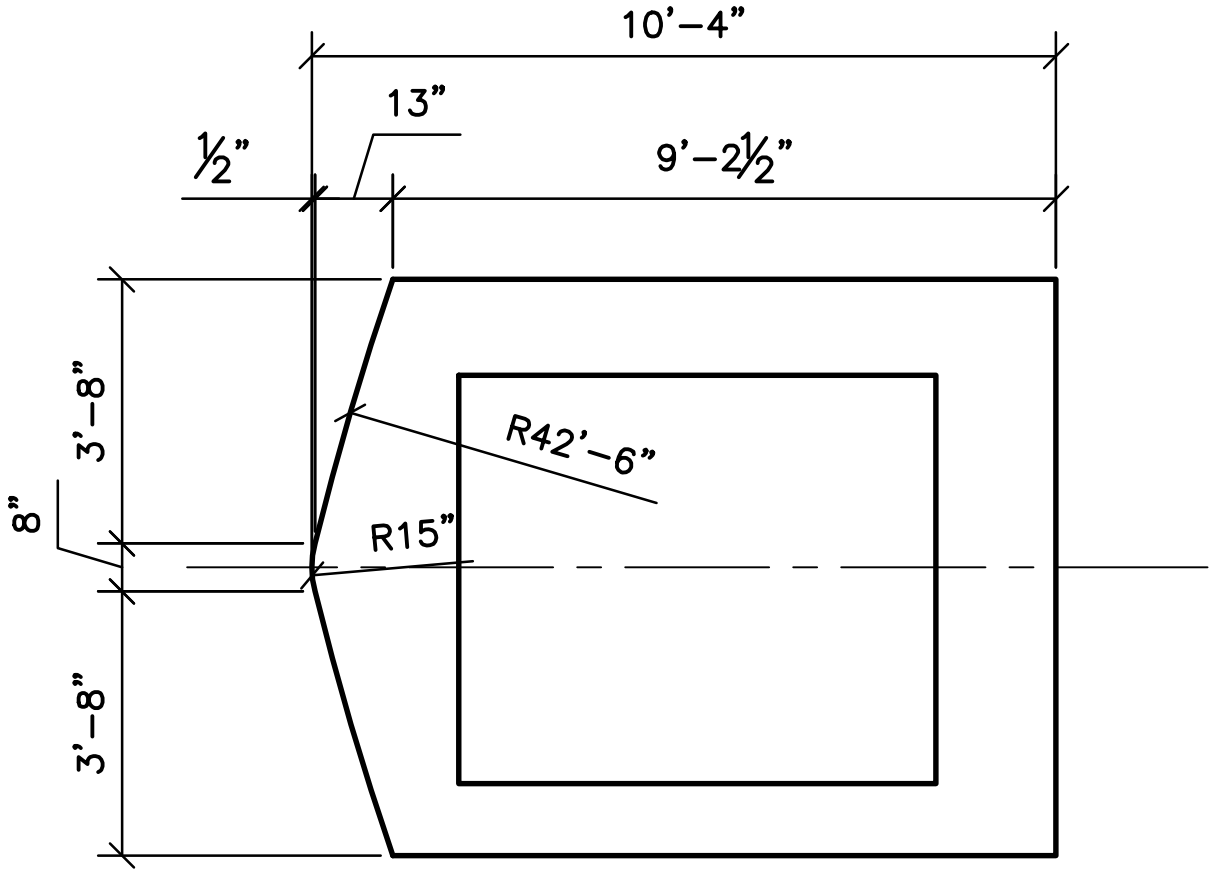
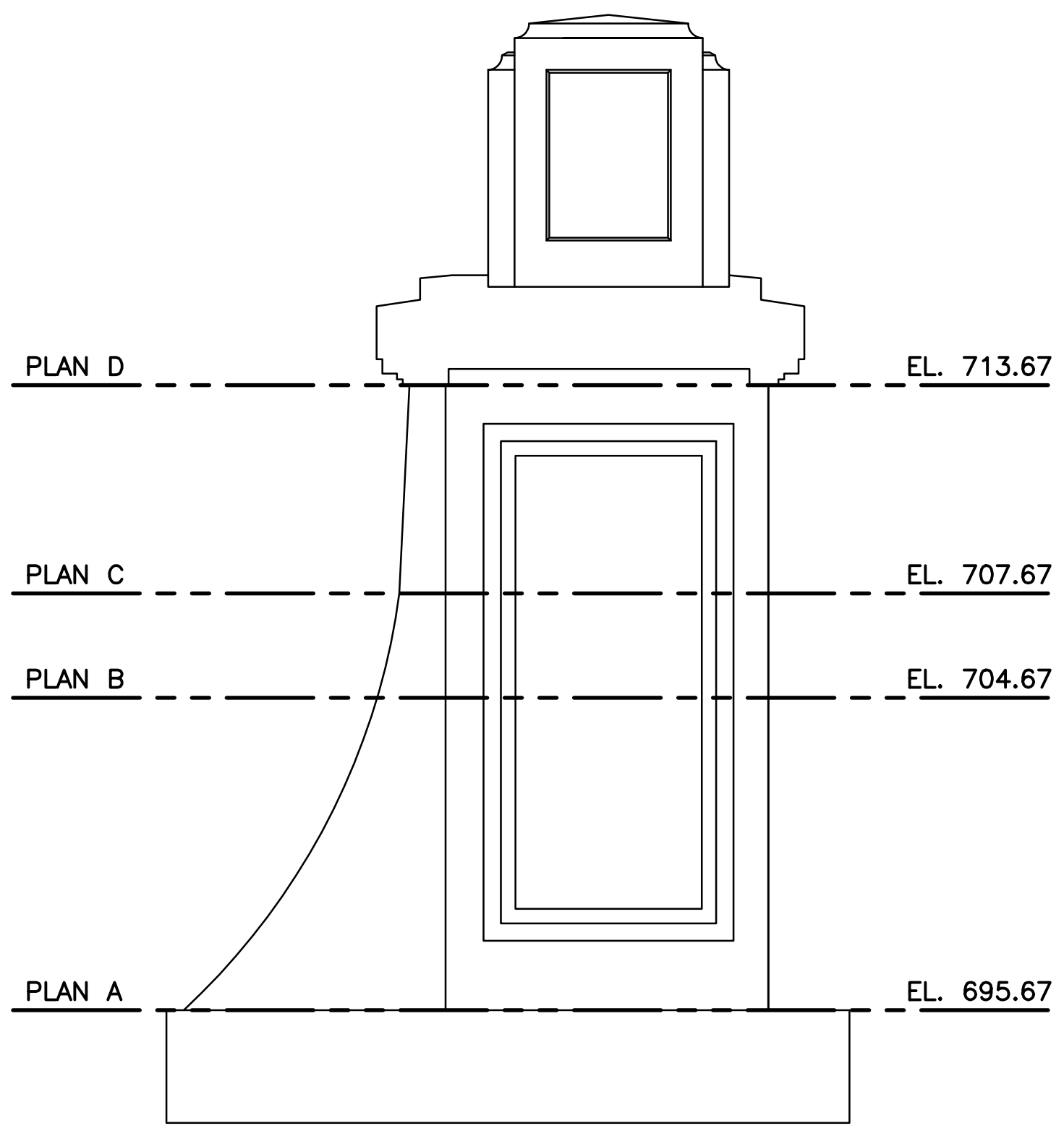
PIER 1 PLAN A
SCALE: 3/8" = 1'-0"



PIER 1 PLAN B
SCALE: 3/8" = 1'-0"



PIER 1 PLAN C
SCALE: 3/8" = 1'-0"



PIER 1 PLAN D
SCALE: 3/8" = 1'-0"

- SHEET NOTES:
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 - P-3 OPPOSITE HAND.
 - RW-2 AND RW-4 NOT SHOWN FOR CLARITY.

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CITY NO.	COUNTY RECORDER		NO.	DESCRIPTION	APPROVAL/DATE
	VOL.	PAGE			

GRANTOR		

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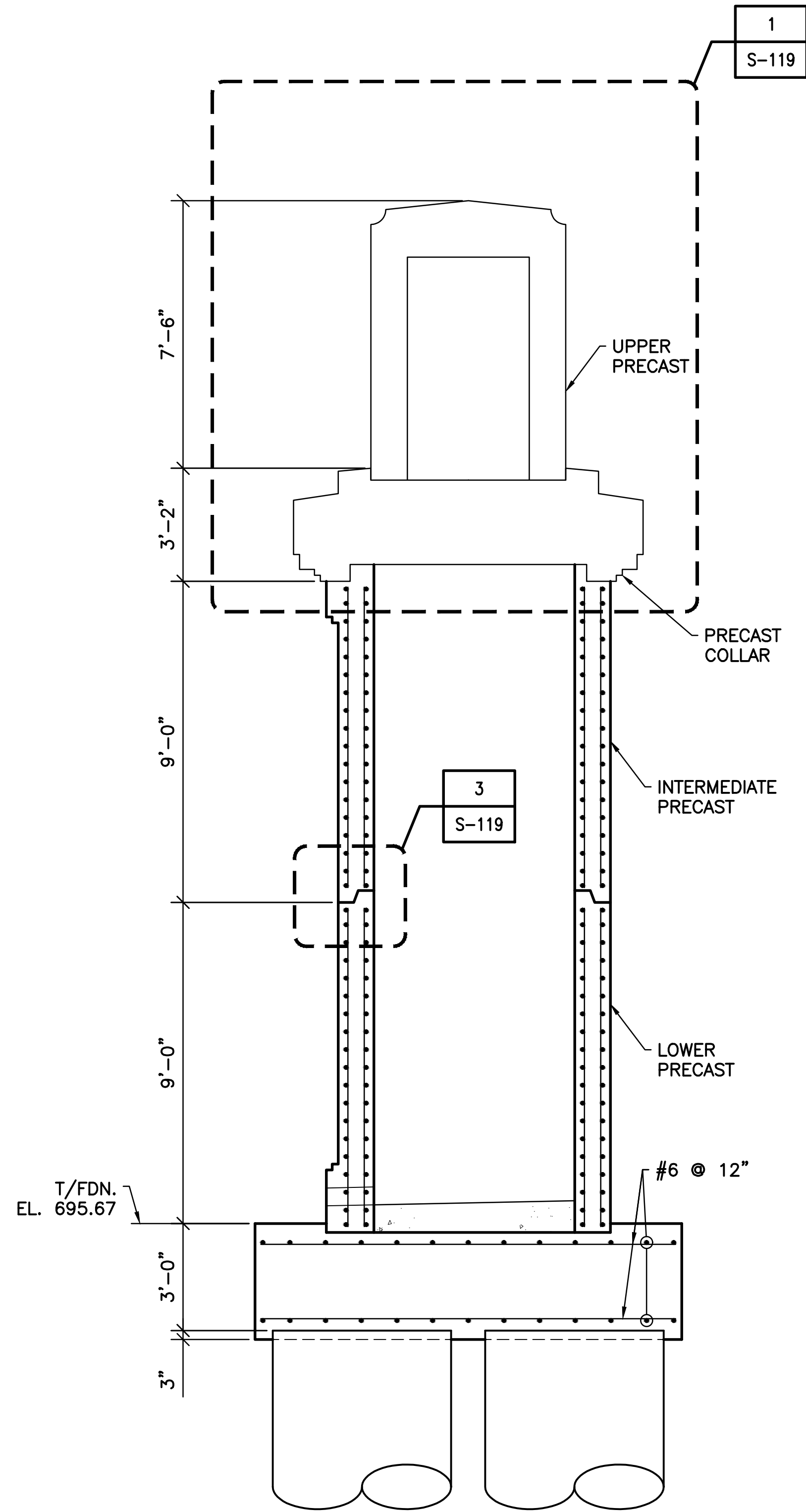
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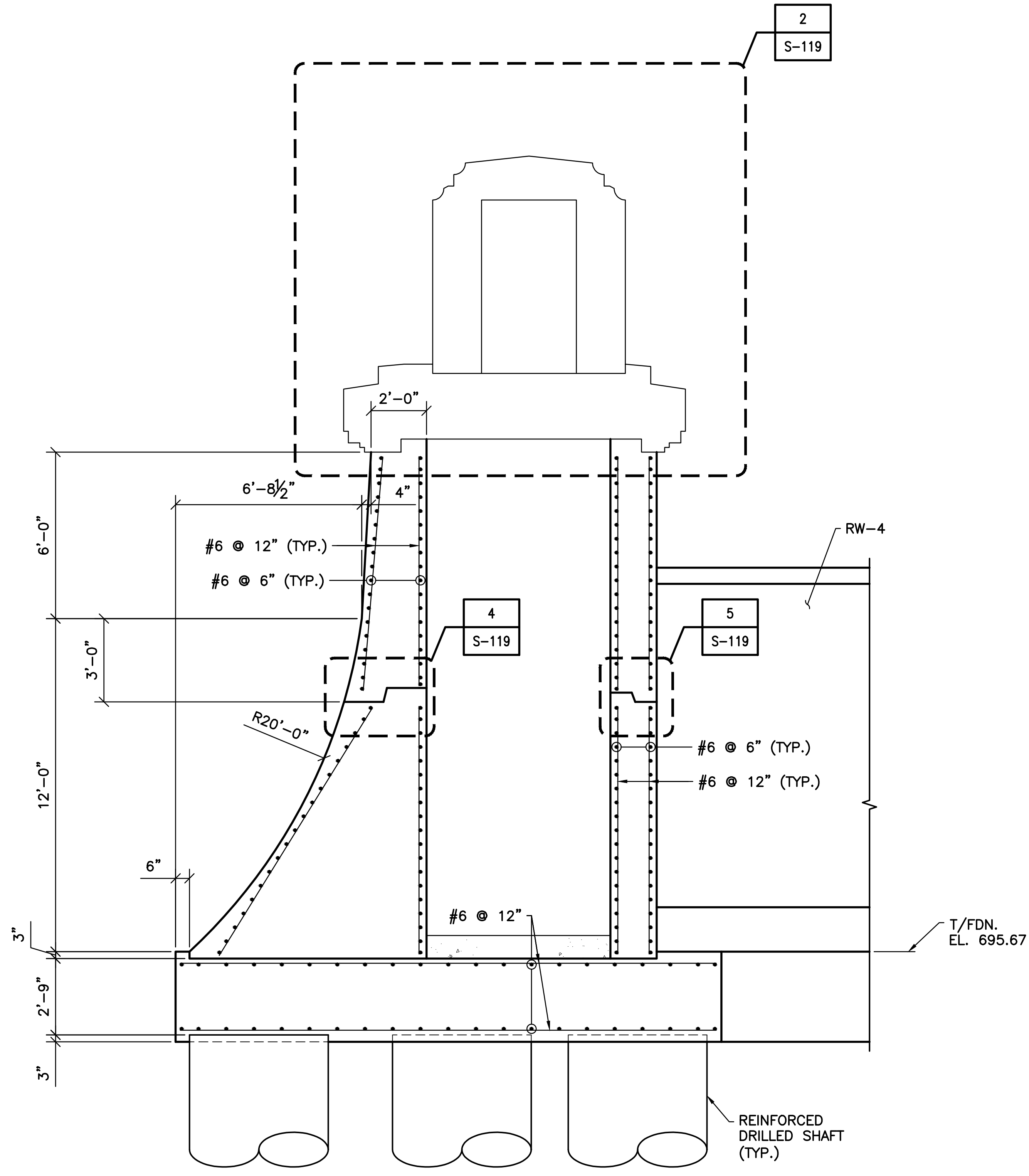
P-1 AND P-3 WALL PLANS

PROJECT TITLE:					
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO					
DIVISION USE ONLY			OWNER		
			CONTRACTOR		
			INSPECTOR		
AGREEMENT		COMPLETED			
RPD	CKD	GLD	CON. DR.		
INDEX DETAIL		RECORD FILE			

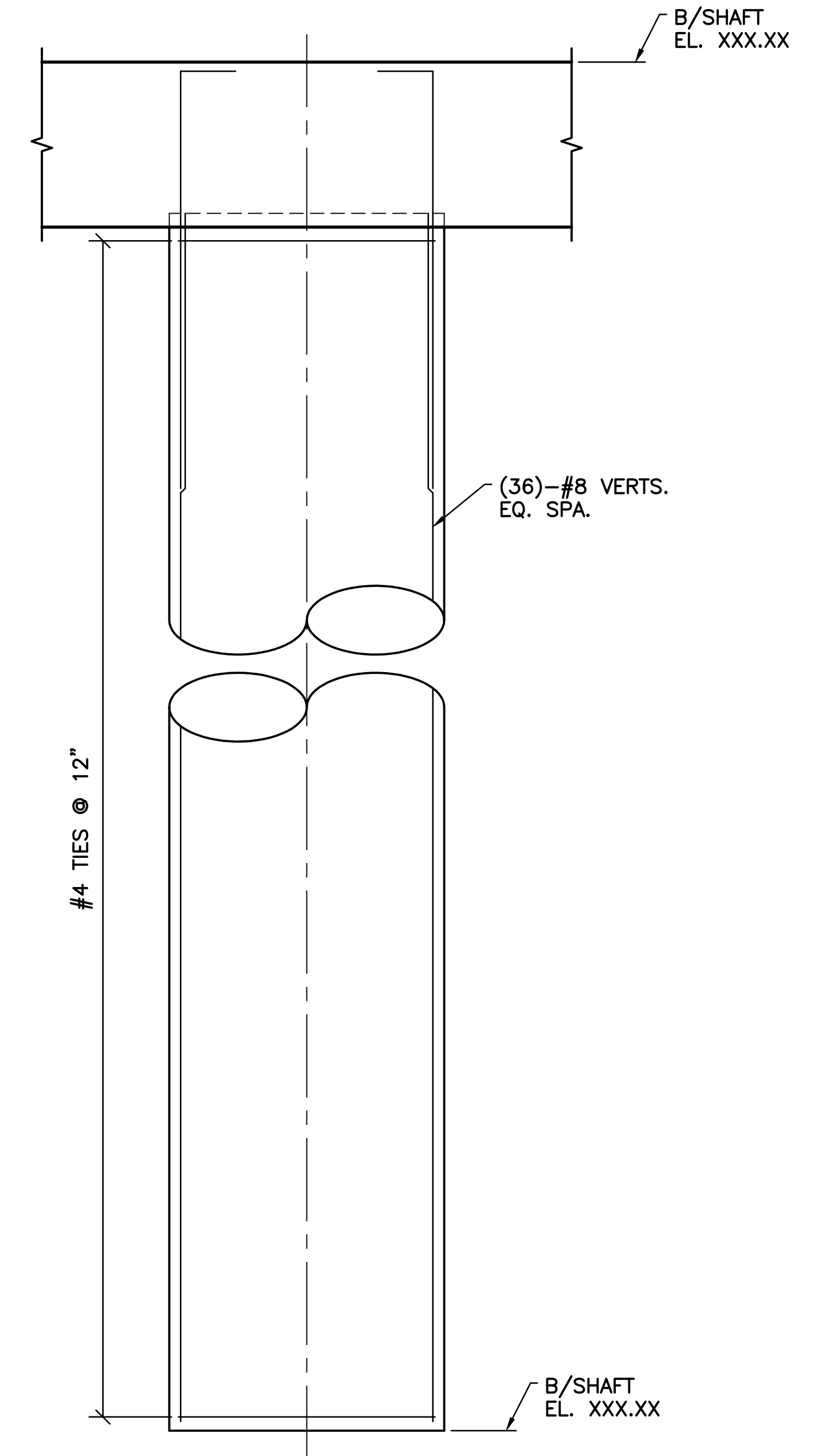
CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-117
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



A SECTION
S-116 SCALE: 3/8" = 1'-0"



B SECTION
S-116 SCALE: 3/8" = 1'-0"



TYPICAL REINFORCED DRILLED SHAFT
SCALE: 1/2" = 1'-0"

SHEET NOTES:

- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
- P-3 OPPOSITE HAND.

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EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER		GRANTOR
	VOL.	PAGE	

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PREPARED BY:

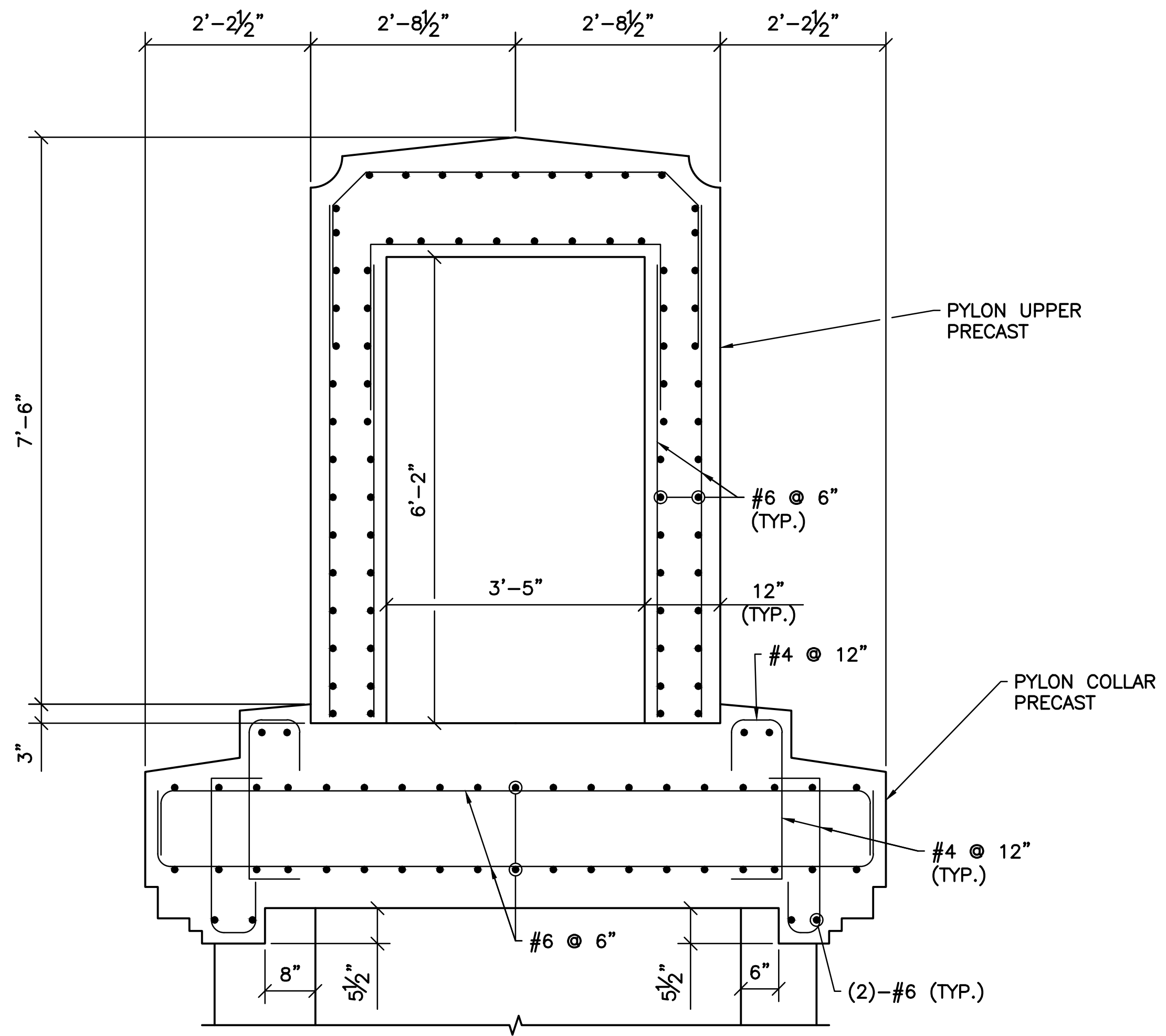

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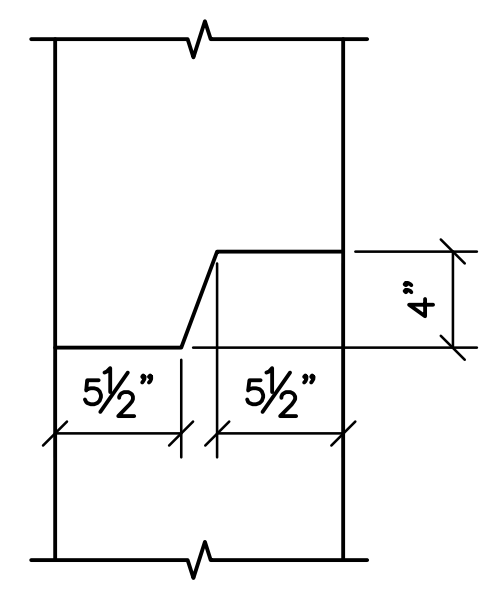
P-1 AND P-3 SECTIONS

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	CLD	CON. DR.
INDEX DETAIL	RECORD FILE		

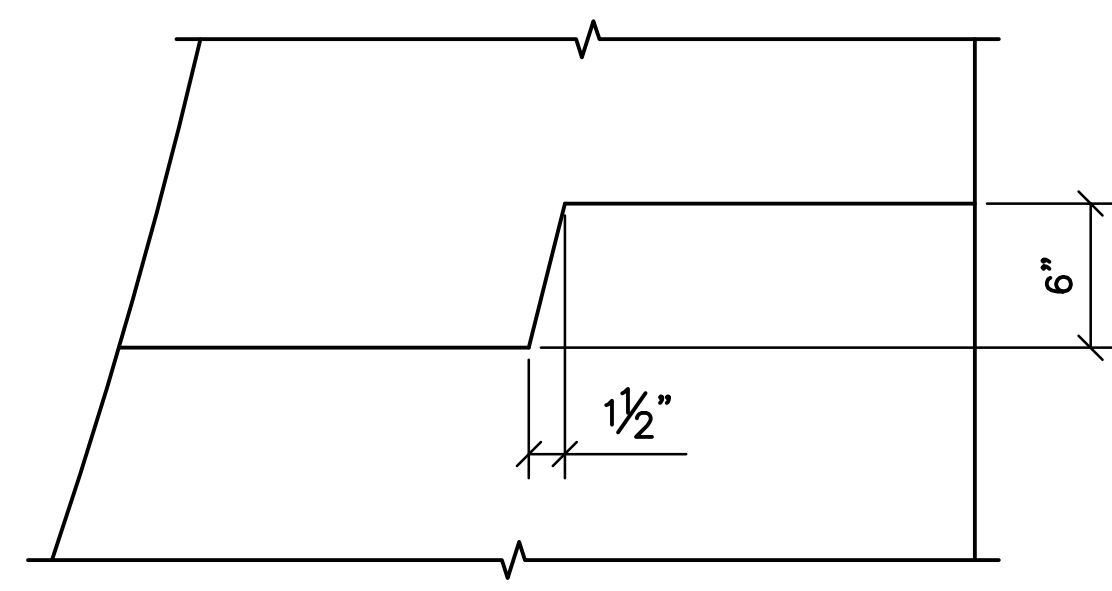
CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-118
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



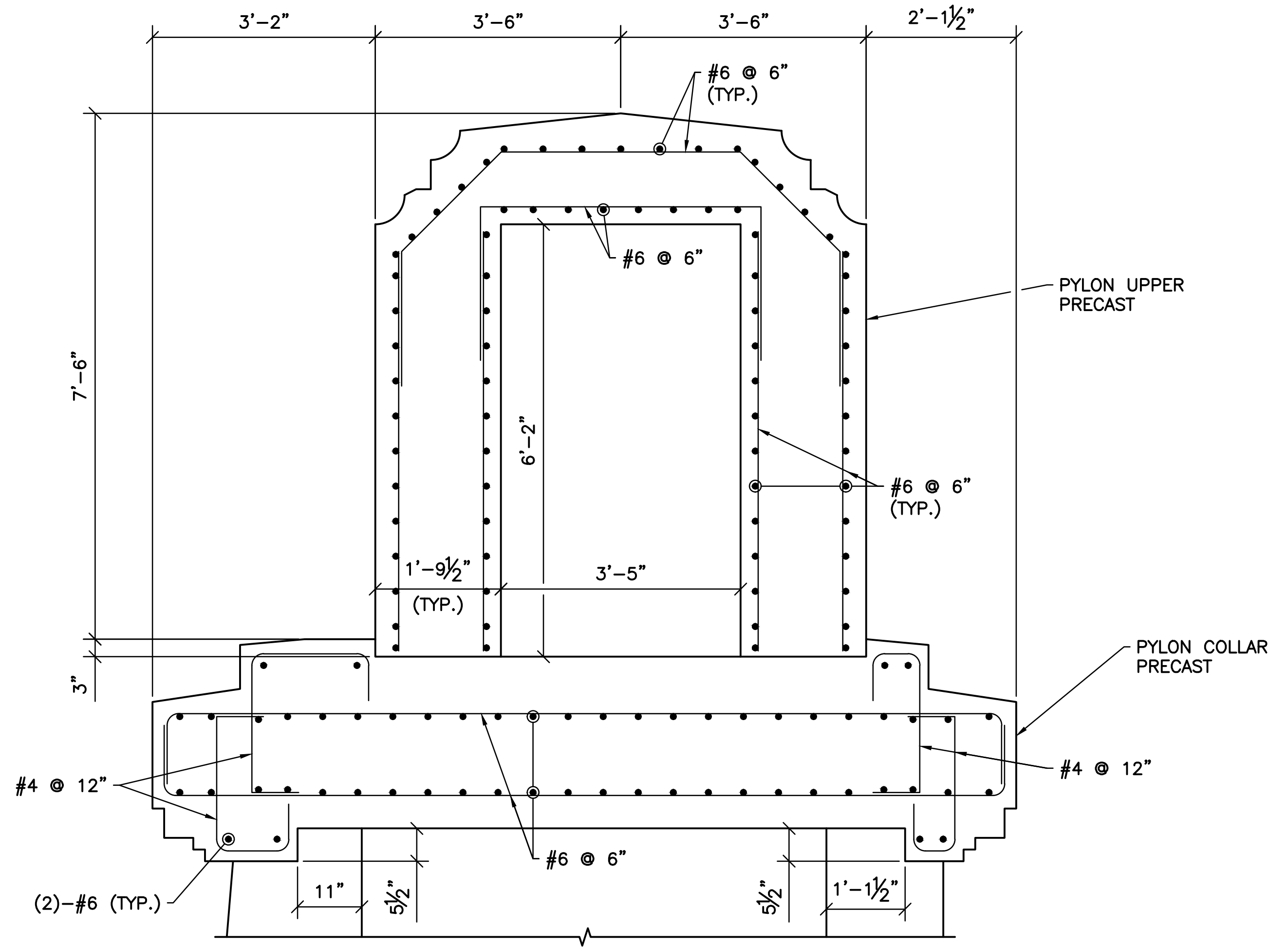
1 DETAIL
S-119 SCALE: 3/4" = 1'-0"



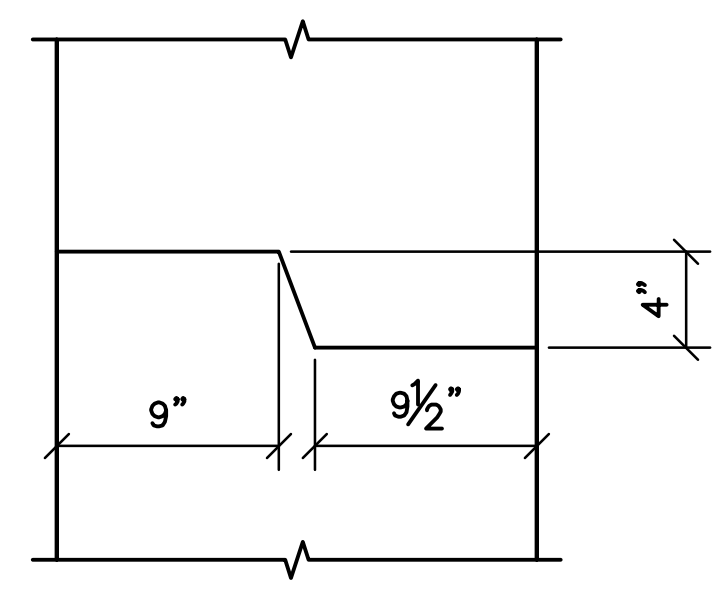
3 DETAIL
S-119 SCALE: 1 1/2" = 1'-0"



4 DETAIL
S-119 SCALE: 1 1/2" = 1'-0"



2 DETAIL
S-119 SCALE: 3/4" = 1'-0"



5 DETAIL
S-119 SCALE: 1 1/2" = 1'-0"

- SHEET NOTES:
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 - SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR PRECAST SHAPE DETAILS.

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER		GRANTOR
	VOL.	PAGE	

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

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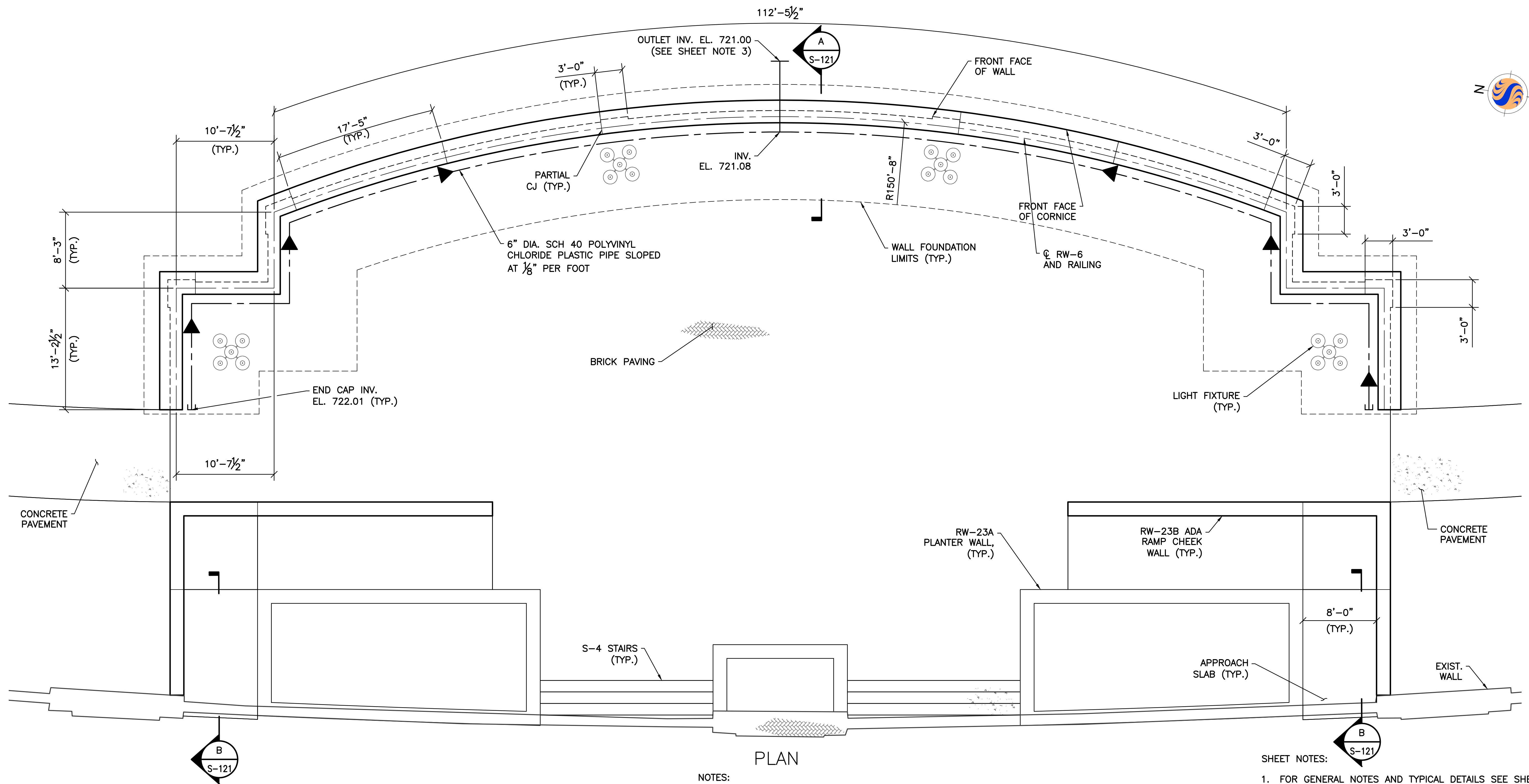
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Columbus, Ohio 43204
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P-1 AND P-3 DETAILS

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
		AGREEMENT	COMPLETED
		RPD	CKD
		GLD	CON. DR.
INDEX DETAIL		RECORD FILE	

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-119
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



PLAN

NOTES:

- DESIGN ALLOWABLE BEARING PRESSURE:
-RW-6 = 8,500 PSF.
- DESIGN LL = 250 PSF.
- OUTLET PIPE TO BE 6" DIA. SCH 40 POLYVINYL CHLORIDE SOLID WALL PIPE.


SHEET NOTES:


- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
- SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR RW-23A PLANTER WALL, RW-23B ADA RAMP CHEEK WALL, S-4, LIGHT FIXTURES, AND PAVEMENT DETAILS.
- SEE TERMINATION OF PLASTIC PIPE DETAIL.

EASEMENT REFERENCE		
CITY NO.	COUNTY RECORDER	GRANTOR
	VOL. PAGE	

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PREPARED BY:


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 (614) 486-4387

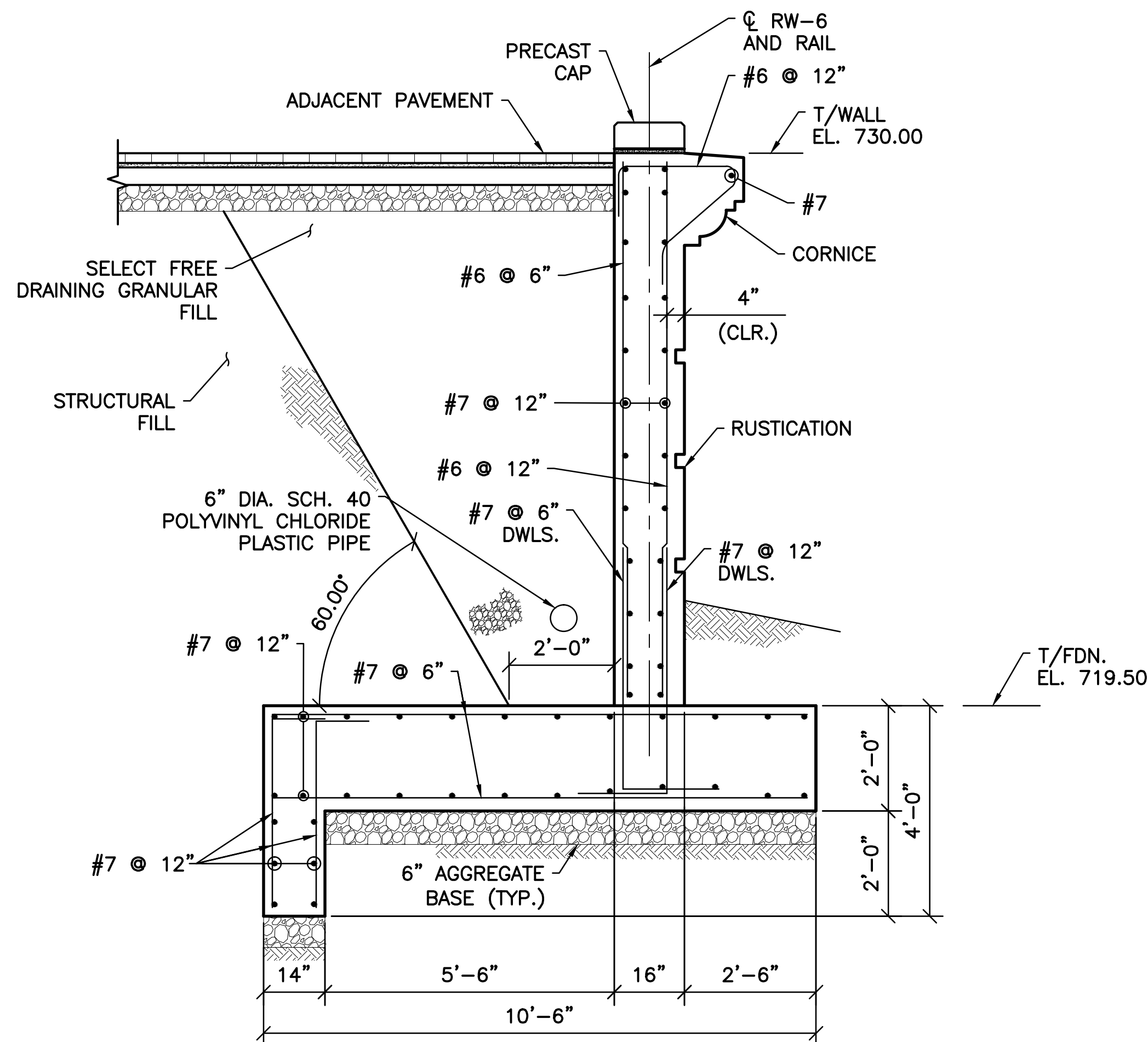

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CIVIC CENTER OVERLOOK PLAN

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	CLD	CON. DR.
INDEX DETAIL	RECORD FILE		

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 3/16" = 1'-0"	SHEET: S-120
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

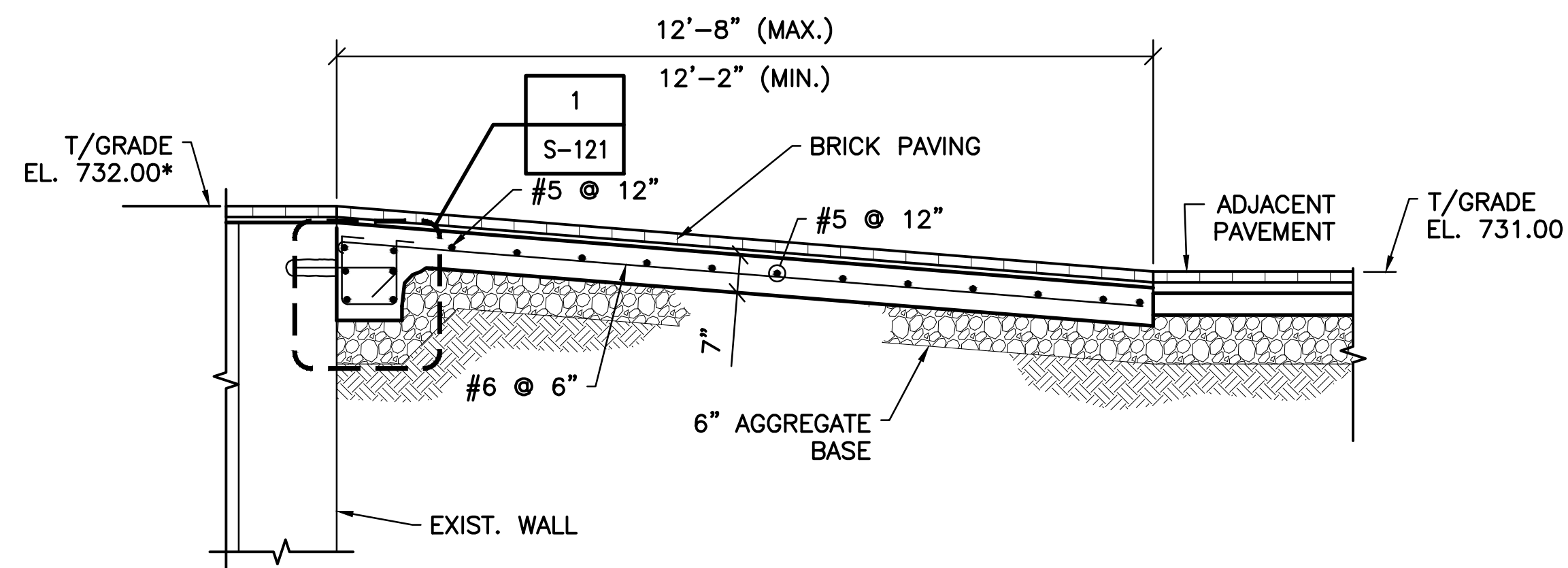
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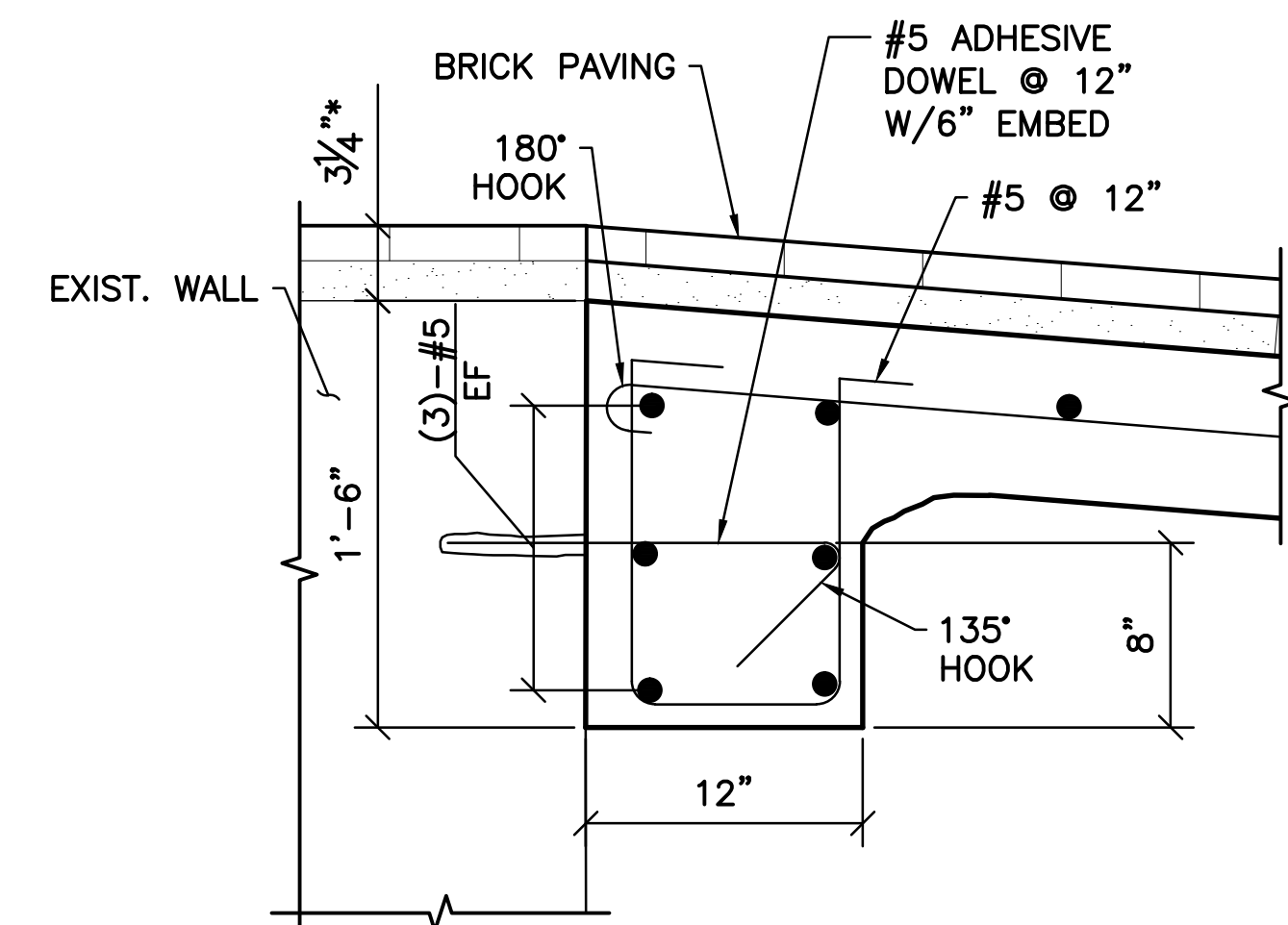
A SECTION
S-120 SCALE: 1/2" = 1'-0"

NOTE:

1. RAILING NOT SHOWN FOR CLARITY.



B SECTION
S-120 SCALE: 1/2" = 1'-0"



1 DETAIL
S-121 SCALE: 1 1/2" = 1'-0"

SHEET NOTES:

- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
- SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR RUSTICATION, CORNICE, PRECAST CAP, AND PAVEMENT DETAILS.

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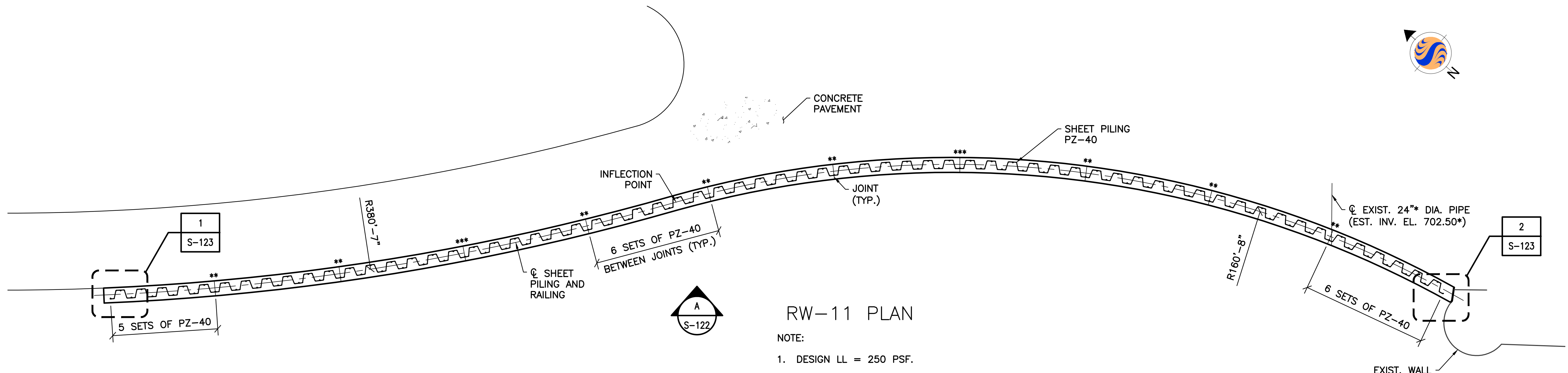
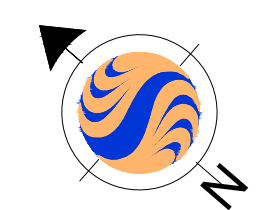
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CIVIC CENTER OVERLOOK SECTIONS AND DETAIL

PROJECT TITLE:					
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO					
DIVISION USE ONLY			OWNER		
			CONTRACTOR		
			INSPECTOR		
AGREEMENT		COMPLETED			
RPD	CKD	GLD	CON. DR.		
INDEX DETAIL		RECORD FILE			

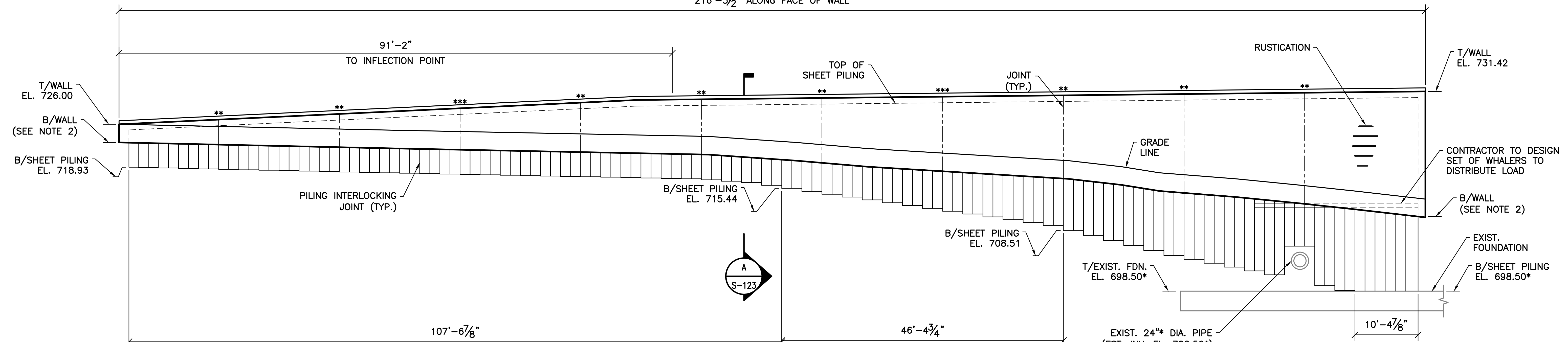
CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-121
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



RW-11 PLAN

NOTE:
1. DESIGN LL = 250 PSF.

216'-3 1/2" ALONG FACE OF WALL



RW-11 DEVELOPED ELEVATION

NOTES:
1. CONTRACTOR TO LINEALLY INTERPOLATE B/SHEET PILING ELEVATIONS BETWEEN GIVEN ELEVATION.
2. B/WALL EL. TO BE MIN. 3'-0" BELOW GRADE.

SHEET NOTES:
1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
2. SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR PRECAST CAP, RUSTICATION, AND PAVEMENT DETAILS.
3. RAILING NOT SHOWN FOR CLARITY.
** JOINT TYPE "A"
*** JOINT TYPE "B"

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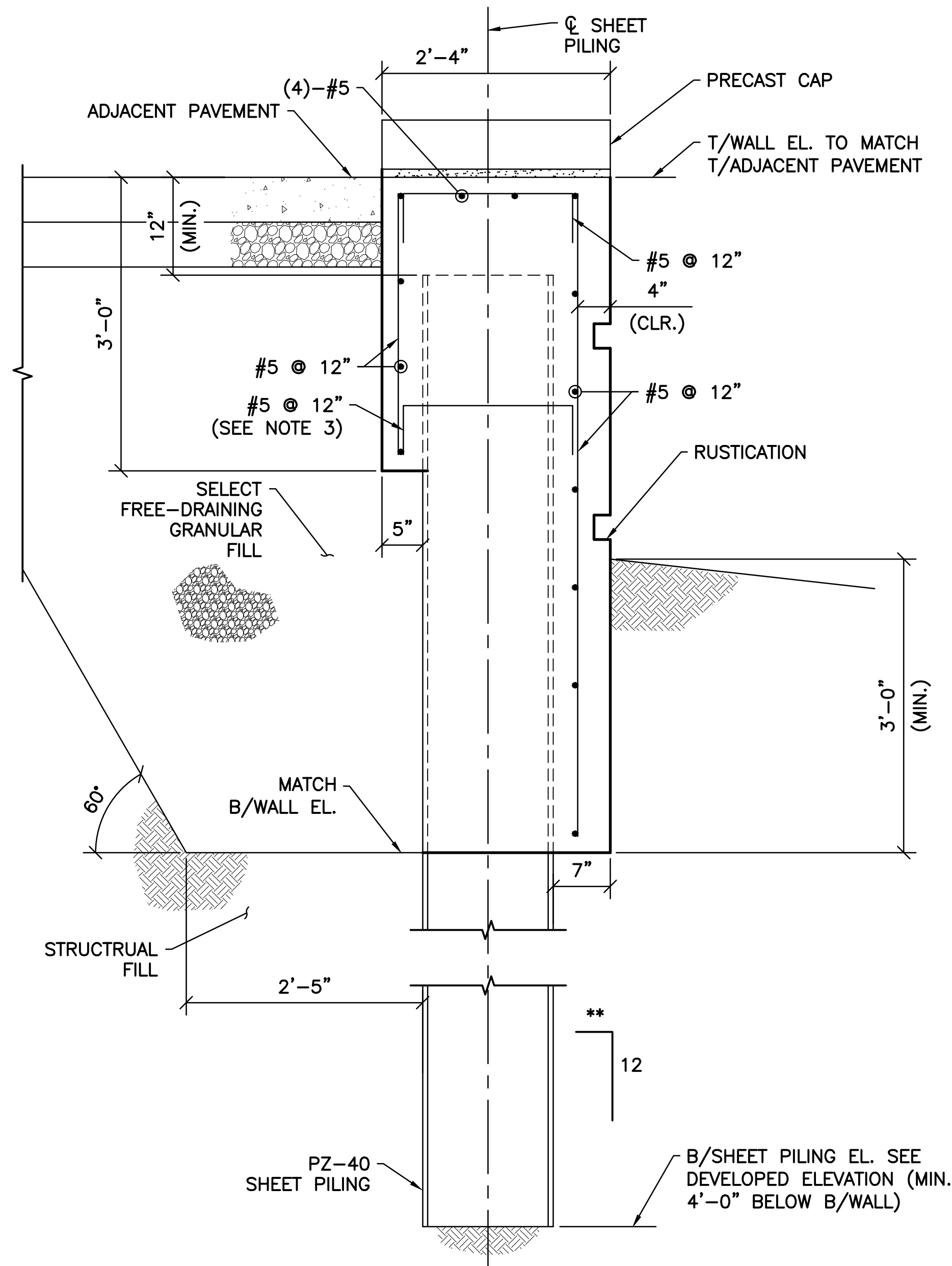
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RW-11 PLAN AND DEVELOPED ELEVATION

PROJECT TITLE:			
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		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	GLD	CON. DR.
INDEX	RECORD	RECORD	FILE
DETAIL			

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 1/8" = 1'-0"	SHEET: S-122
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

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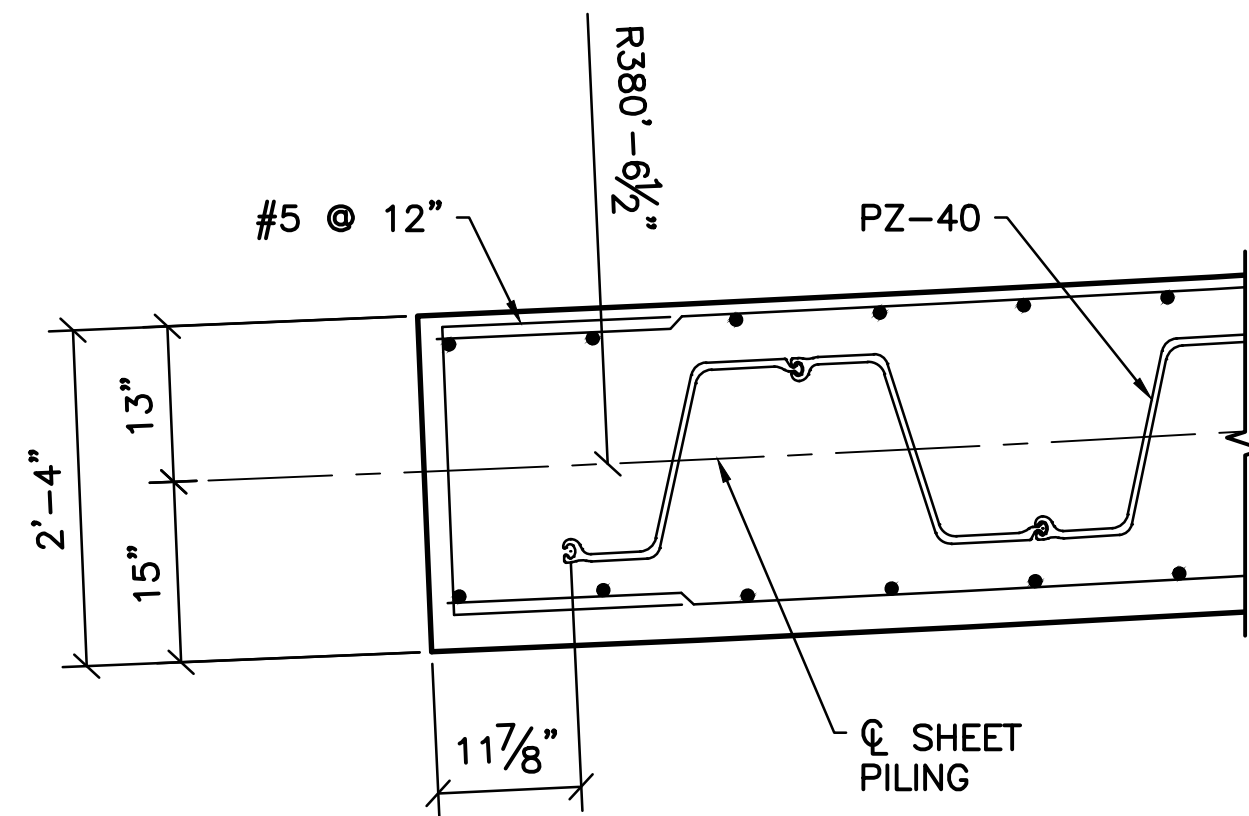


A SECTION
S-122 SCALE: 1" = 1'-0"

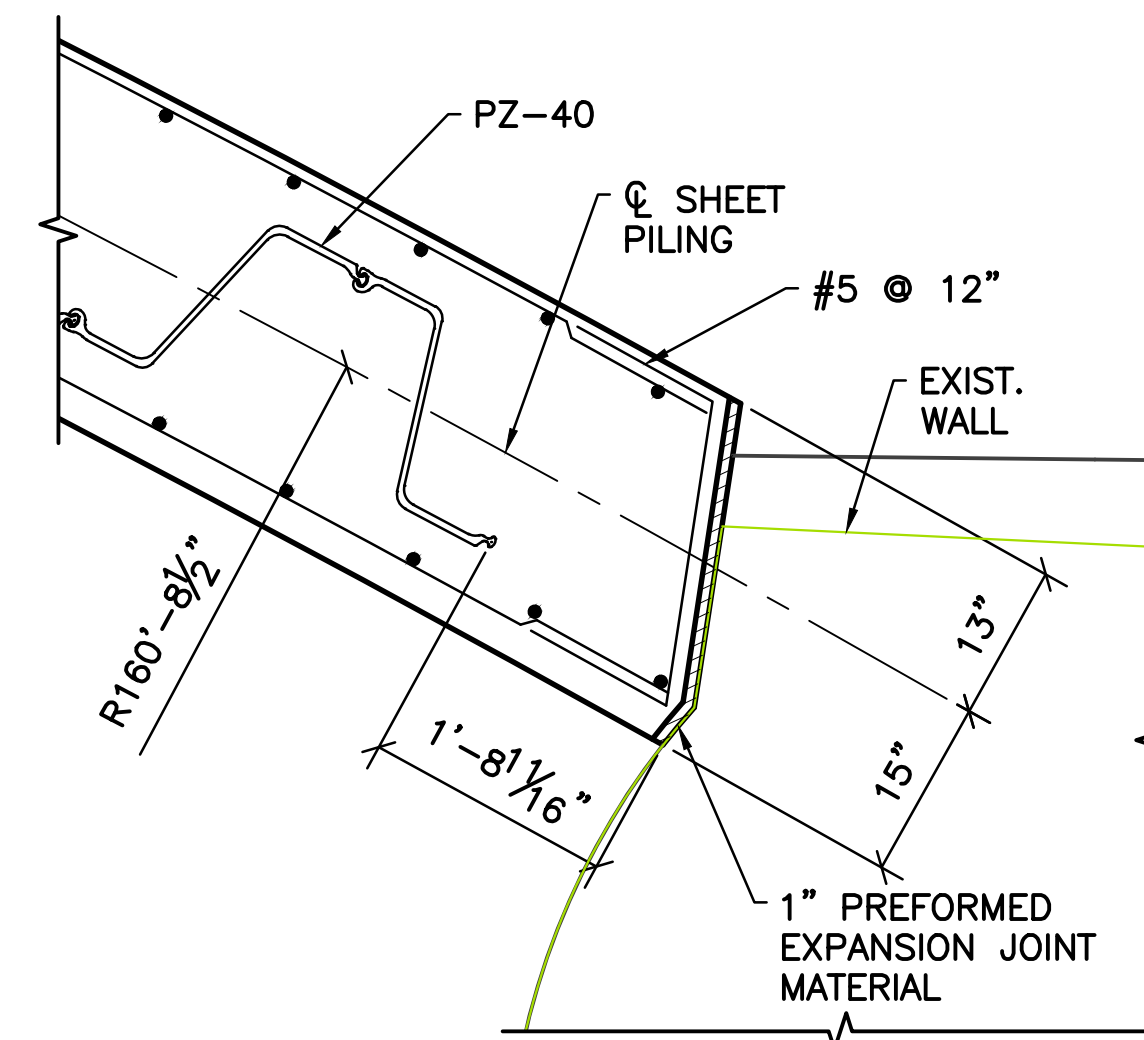
NOTES:

1. SEE SHEET S-122 FOR ELEVATIONS.
2. RAILING NOT SHOWN FOR CLARITY.
3. BURN HOLES IN SHEET PILING TO PASS REINFORCING.

** BATTER SHEET PILE AT 1/8" PER 12" TO ACCOMMODATE DEFLECTION IN WALL. PLACE FILL BEHIND WALL PRIOR TO PLACEMENT OF CONCRETE.



1 DETAIL
S-122 SCALE: 3/4" = 1'-0"



2 DETAIL
S-122 SCALE: 3/4" = 1'-0"

SHEET NOTES:

1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
2. SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR ADJACENT PAVEMENT, PRECAST CAP, AND RUSTICATION DETAILS.

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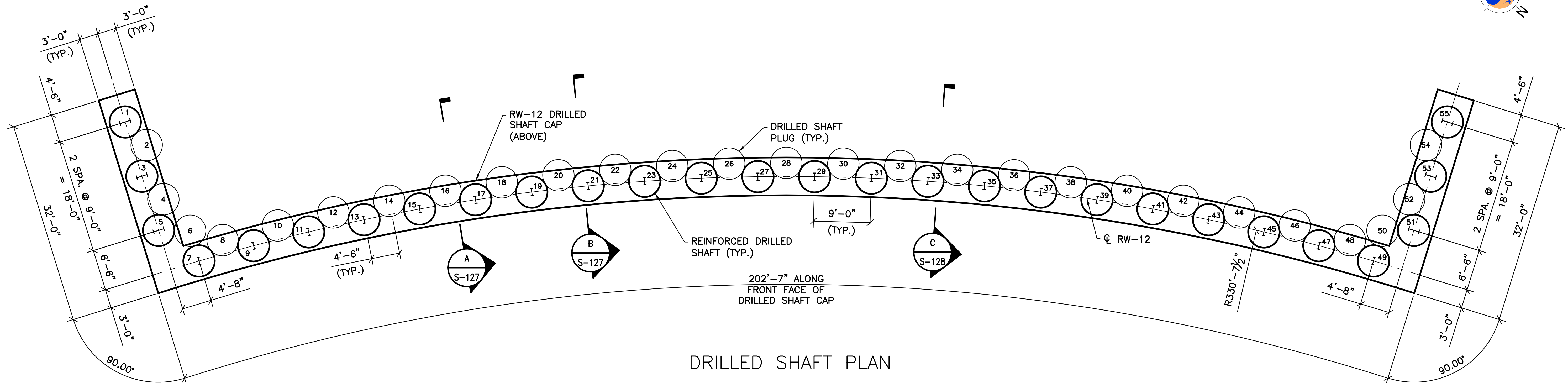
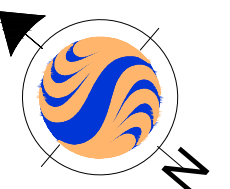
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RW-11 SECTION AND DETAILS

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		INSPECTOR	
		AGREEMENT	COMPLETED
INDEX	RECORD	CLD	CON. DR.
DETAIL	FILE		

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 1" = 1'-0"	SHEET: S-123
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



DRILLED SHAFT PLAN

- SHEET NOTES:
1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 2. ALL DRILLED SHAFTS TO BE 5'-0" DIA.
 3. MAX ALLOWABLE LATERAL CAPACITY OF REINFORCED DRILLED SHAFTS 1 THRU 5 AND 51 THRU 55 = 28 TONS
 4. MAX ALLOWABLE VERTICAL CAPACITY OF REINFORCED DRILLED SHAFTS = 153 TONS

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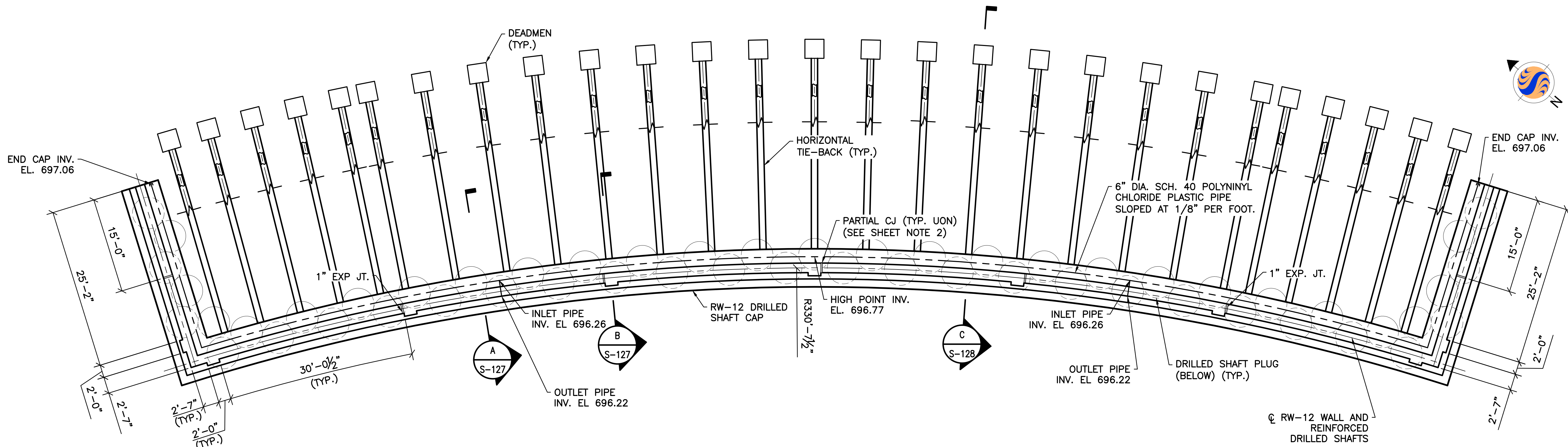

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RW-12 DRILLED SHAFT PLAN

PROJECT TITLE:			
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		CONTRACTOR	
		INSPECTOR	
		AGREEMENT	COMPLETED
		RPD	CKD
		CLD	CON. DR.
		INDEX DETAIL	RECORD FILE

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 1/8" = 1'-0"	SHEET: S-124
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

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RW-12 FOUNDATION PLAN

SHEET NOTE:

1. ALL OUTLET PIPES TO BE 6" DIA. SCH. 40 POLYVINYL CHLORIDE SOLID WALL PIPE.

SHEET NOTE:

1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
2. ALL CONSTRUCTION JOINTS TO STOP 3'-0" FROM TOP OF WALL.

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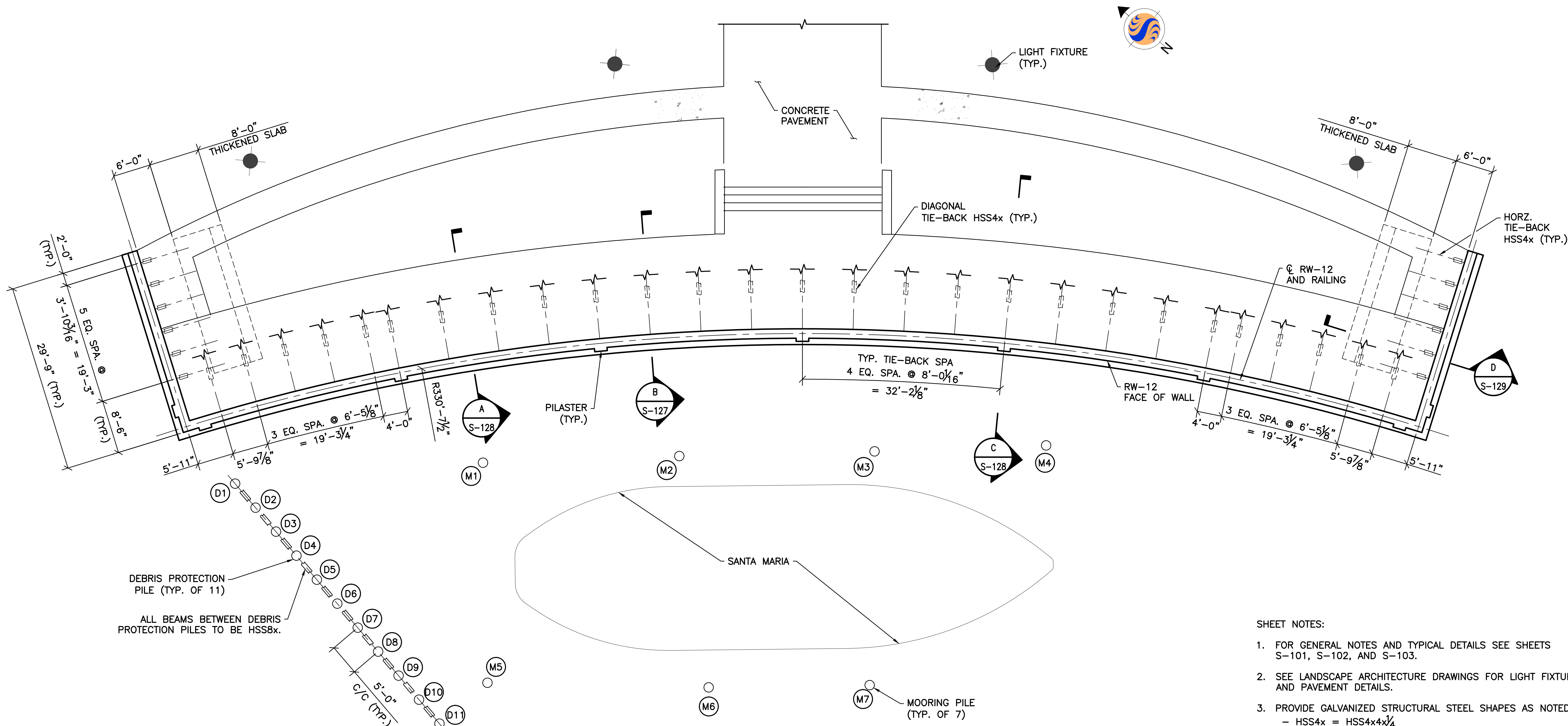

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RW-12 FOUNDATION PLAN

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			CONTRACTOR		
			INSPECTOR		
AGREEMENT		COMPLETED			
RPD	CKD	CLD	CON. DR.		
INDEX DETAIL		RECORD FILE			

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE	
<small>DIVISION USE ONLY</small>	
SCALE: 1/8" = 1'-0"	SHEET: S-125
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



RW-12 TOP OF WALL PLAN

- NOTES:
- DESIGN LL = 250 PSF.

- SHEET NOTES:
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 - SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR LIGHT FIXTURE AND PAVEMENT DETAILS.
 - PROVIDE GALVANIZED STRUCTURAL STEEL SHAPES AS NOTED:
 - HSS4x = HSS4x4x1/4
 - HSS8x = HSS8x8x3/4
 - ALL MOORING PILES, ARE 24" DIA x 1/2" THICK CAST-IN-PLACE NON-REINFORCED CONCRETE PILES
 - MAXIMUM ALLOWABLE LATERAL CAPACITY OF MOORING PILES = 13.75 TONS.
 - ALL DEBRIS PROTECTION PILES ARE 24" DIA. x 1/2" THICK CAST-IN-PLACE NON-REINFORCED CONCRETE PILES.
 - MAXIMUM ALLOWABLE LATERAL CAPACITY OF DEBRIS PROTECTION PILES = 12.5 TONS.

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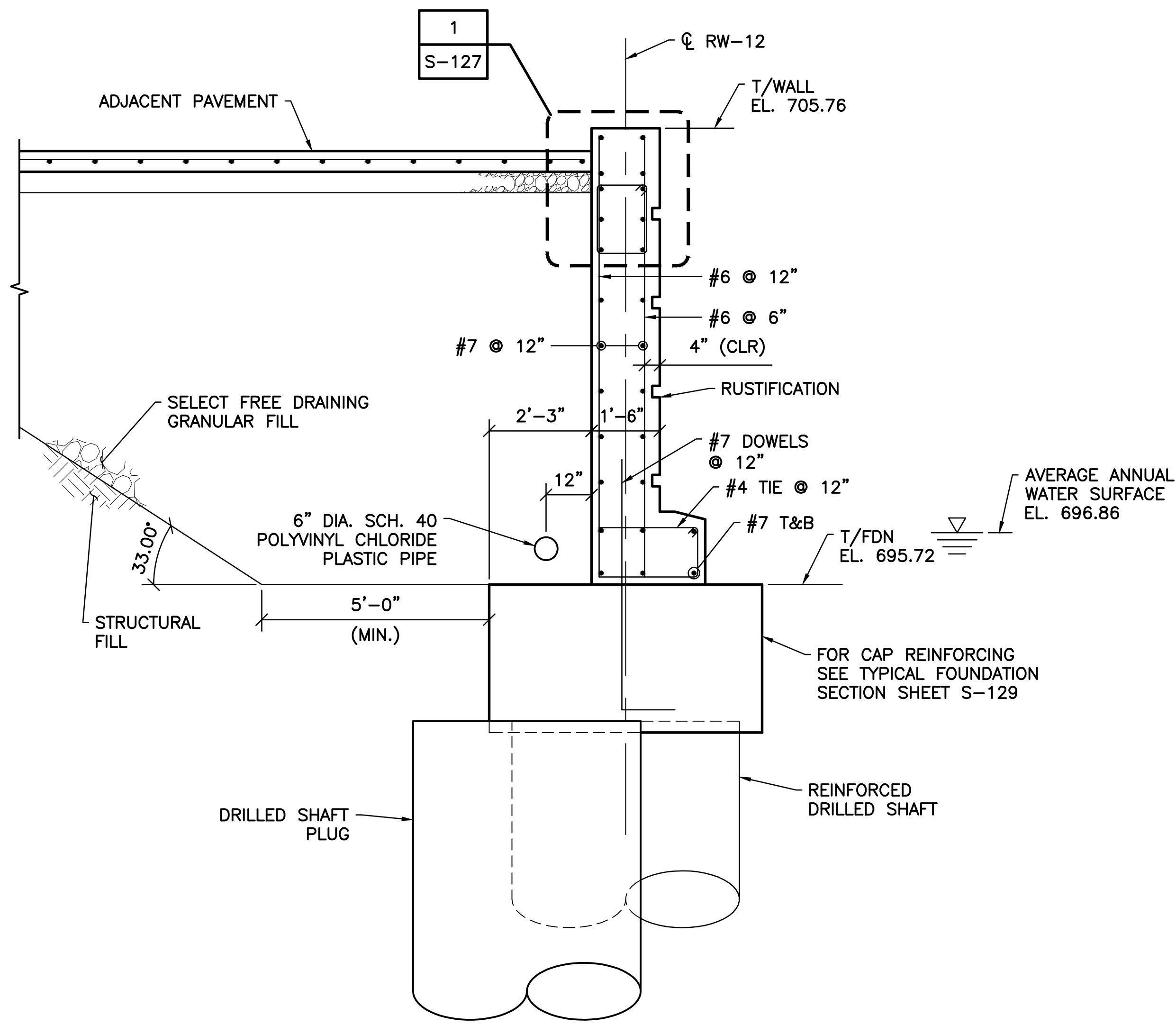
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RW-12 TOP OF WALL PLAN

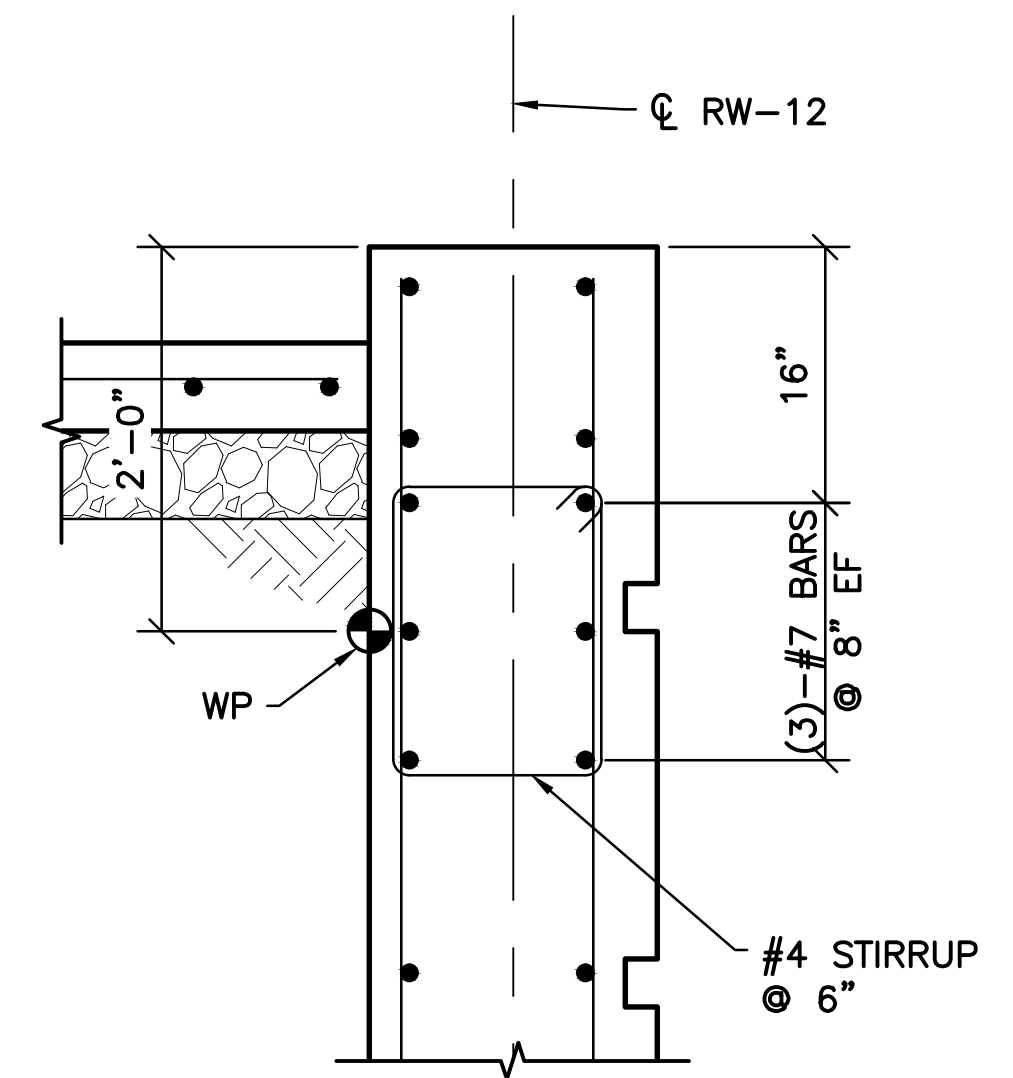
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		INSPECTOR	
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INDEX DETAIL	RECORD FILE		

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 1/8" = 1'-0"	SHEET: S-126
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

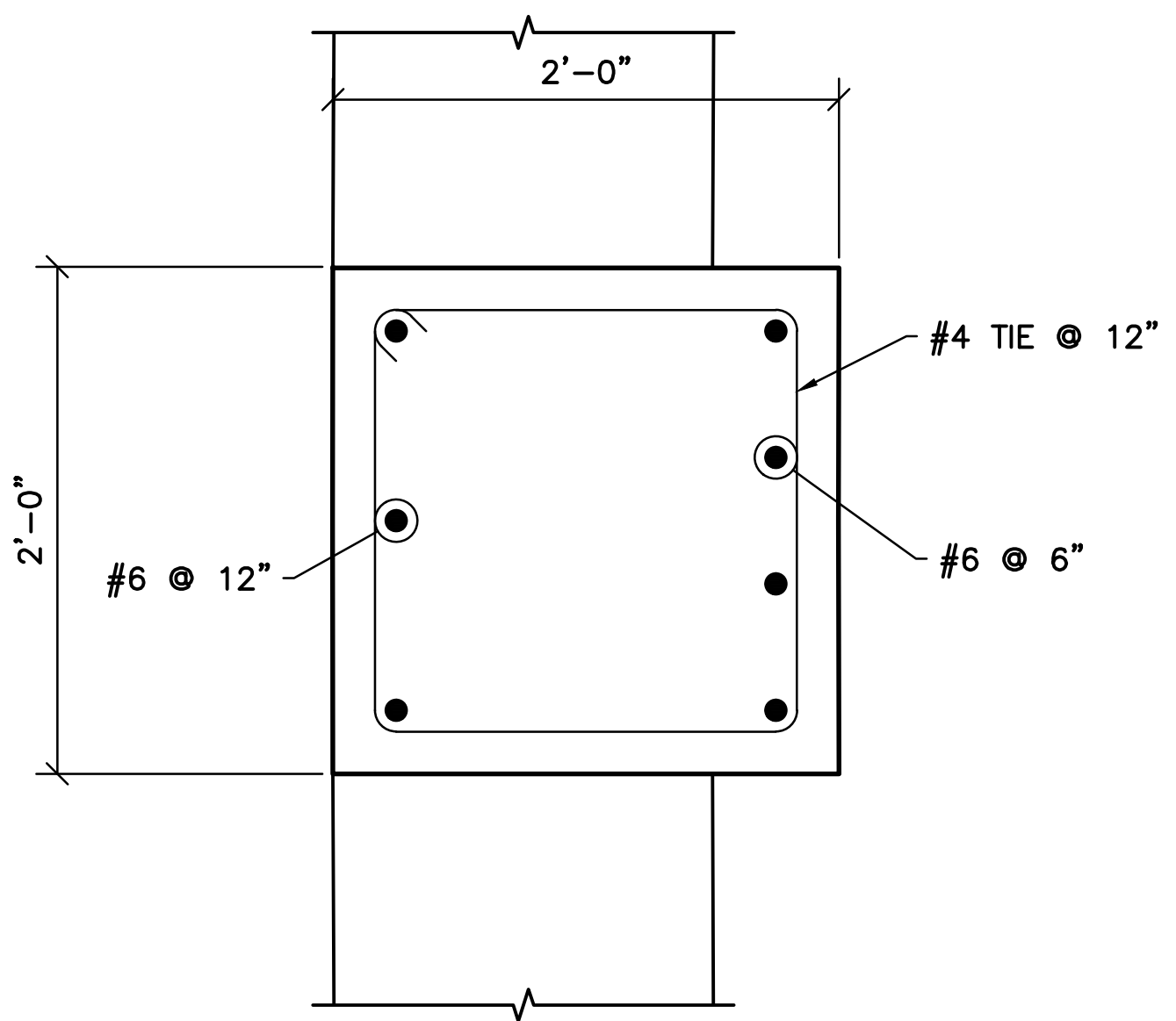
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A SECTION
S-124 SCALE: 1/2" = 1'-0"

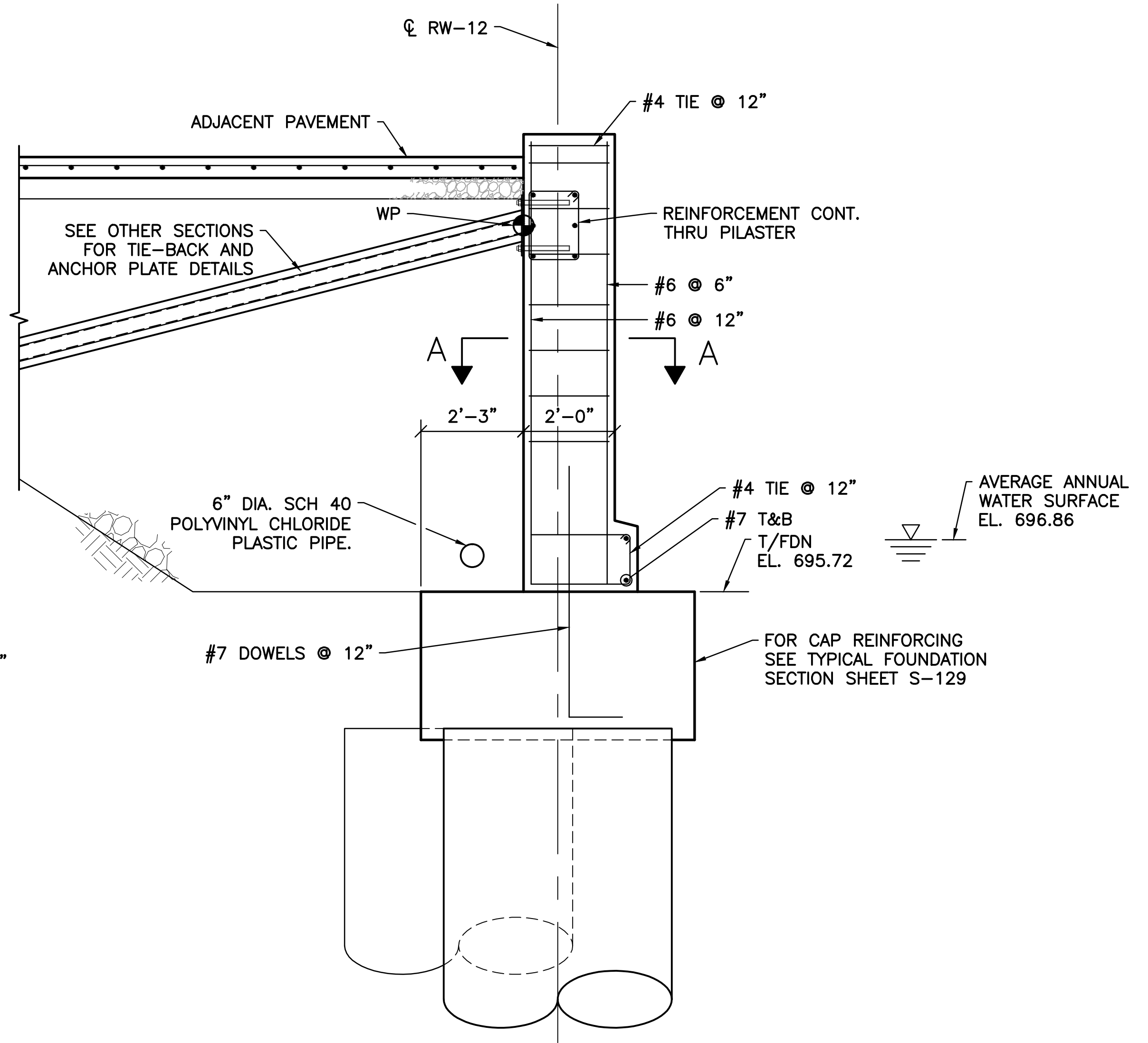


1 DETAIL
S-127 SCALE: 1" = 1'-0"



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

NOTE:
1. WALL REINFORCEMENT NOT SHOWN FOR CLARITY.



B SECTION
S-124 SCALE: 1/2" = 1'-0"

- SHEET NOTE:
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 - SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR ADJACENT PAVEMENT AND RUSTIFICATION DETAILS.
 - RAILING NOT SHOWN FOR CLARITY.

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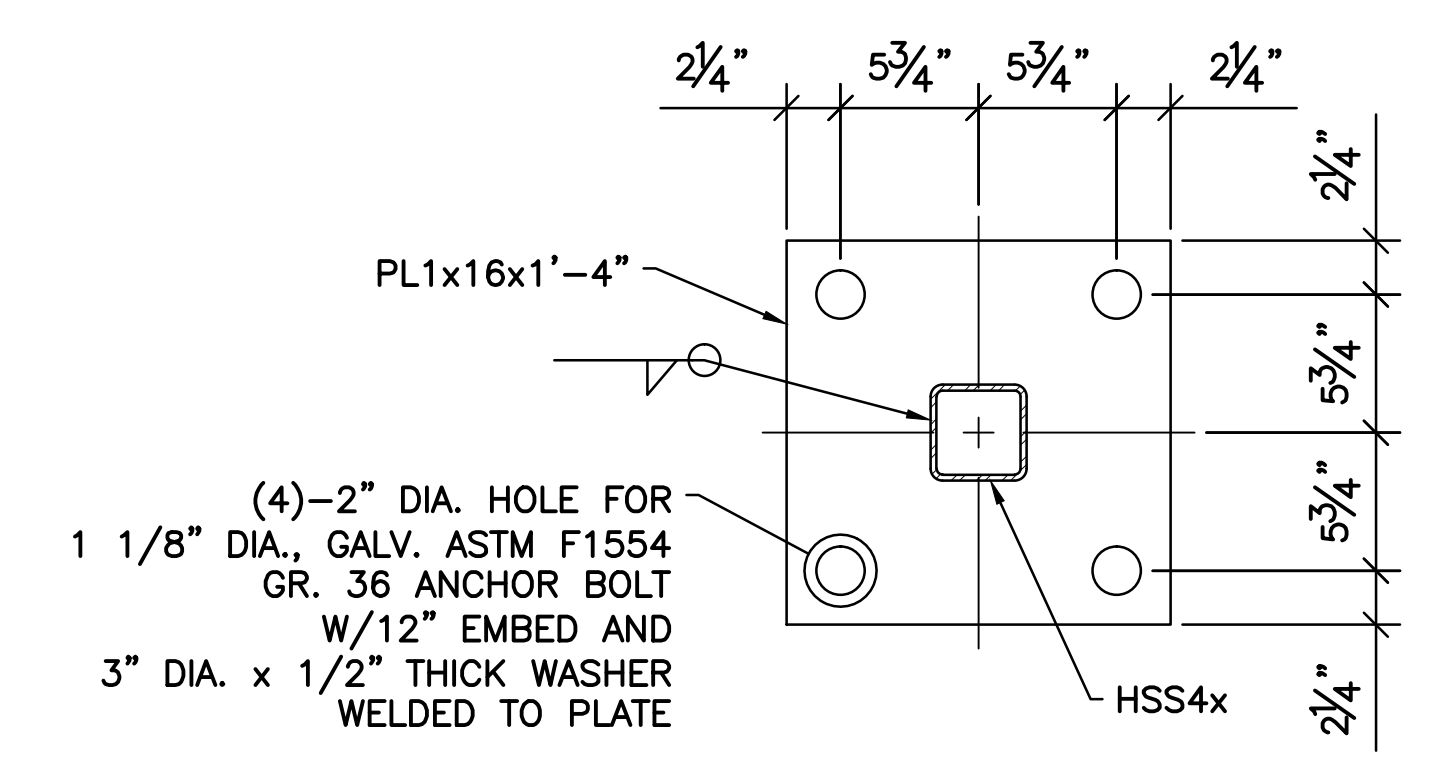
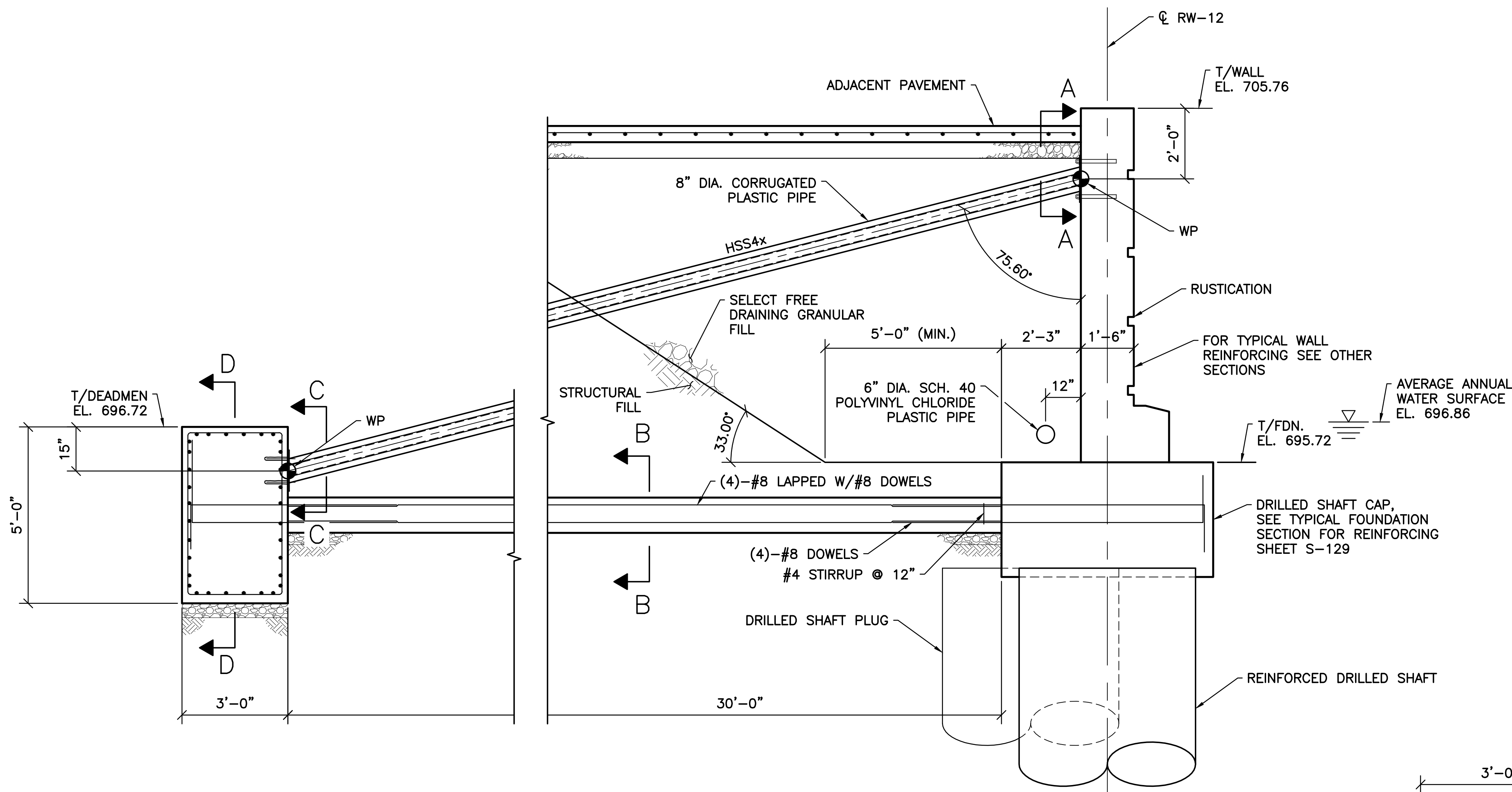
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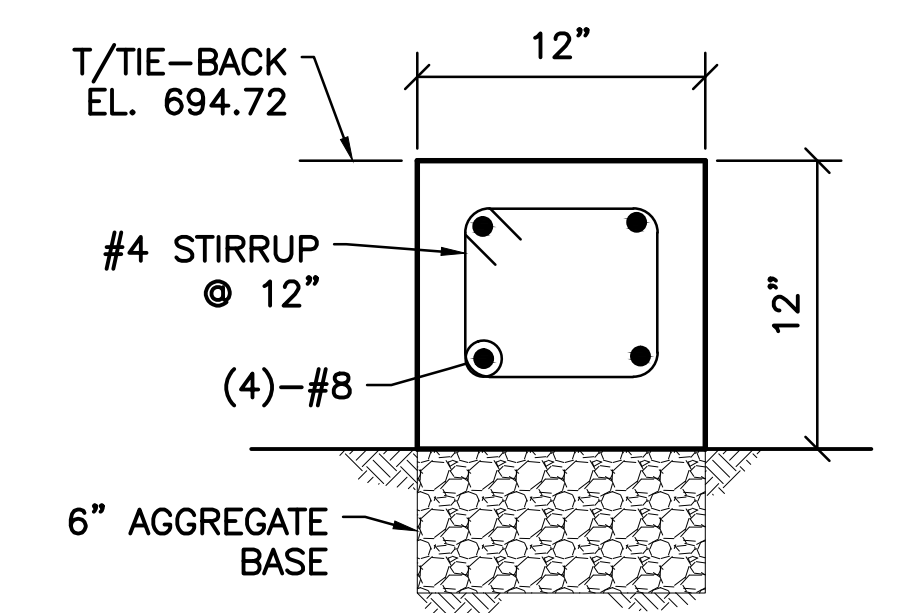
RW-12 SECTION AND DETAIL

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INDEX DETAIL	RECORD FILE		

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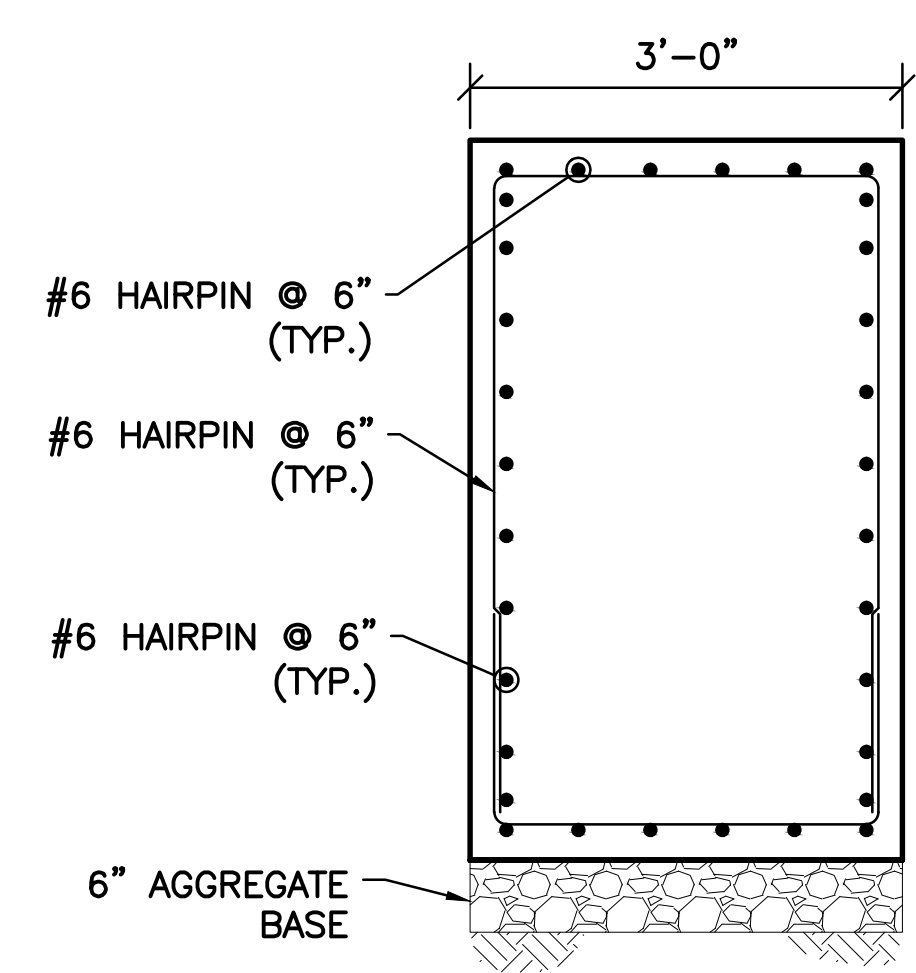


SECTION A-A
SCALE: 1 1/2" = 1'-0"

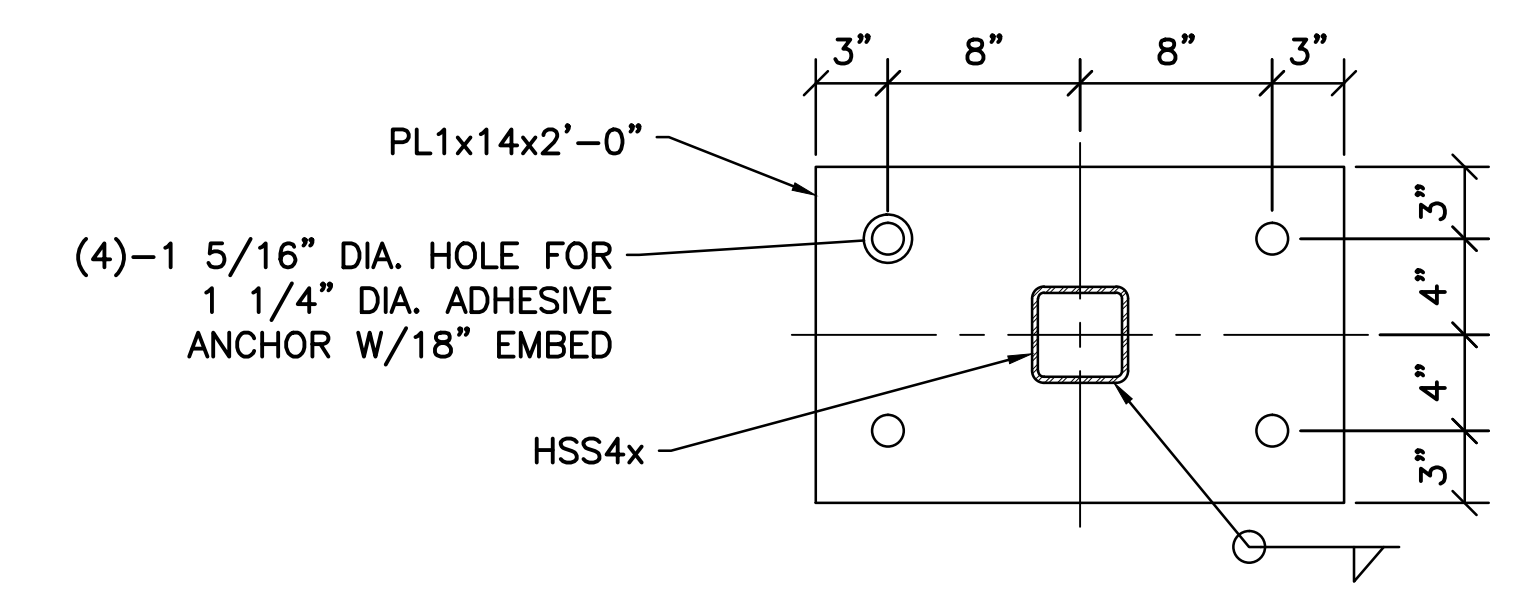


SECTION B-B
SCALE: 1 1/2" = 1'-0"

SECTION C
SCALE: 1/2" = 1'-0"



SECTION D-D
SCALE: 3/4" = 1'-0"



SECTION C-C
SCALE: 1 1/2" = 1'-0"

- SHEET NOTES:
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 - SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR ADJACENT PAVEMENT AND RUSTICATION DETAILS.
 - RAILING NOT SHOWN FOR CLARITY.

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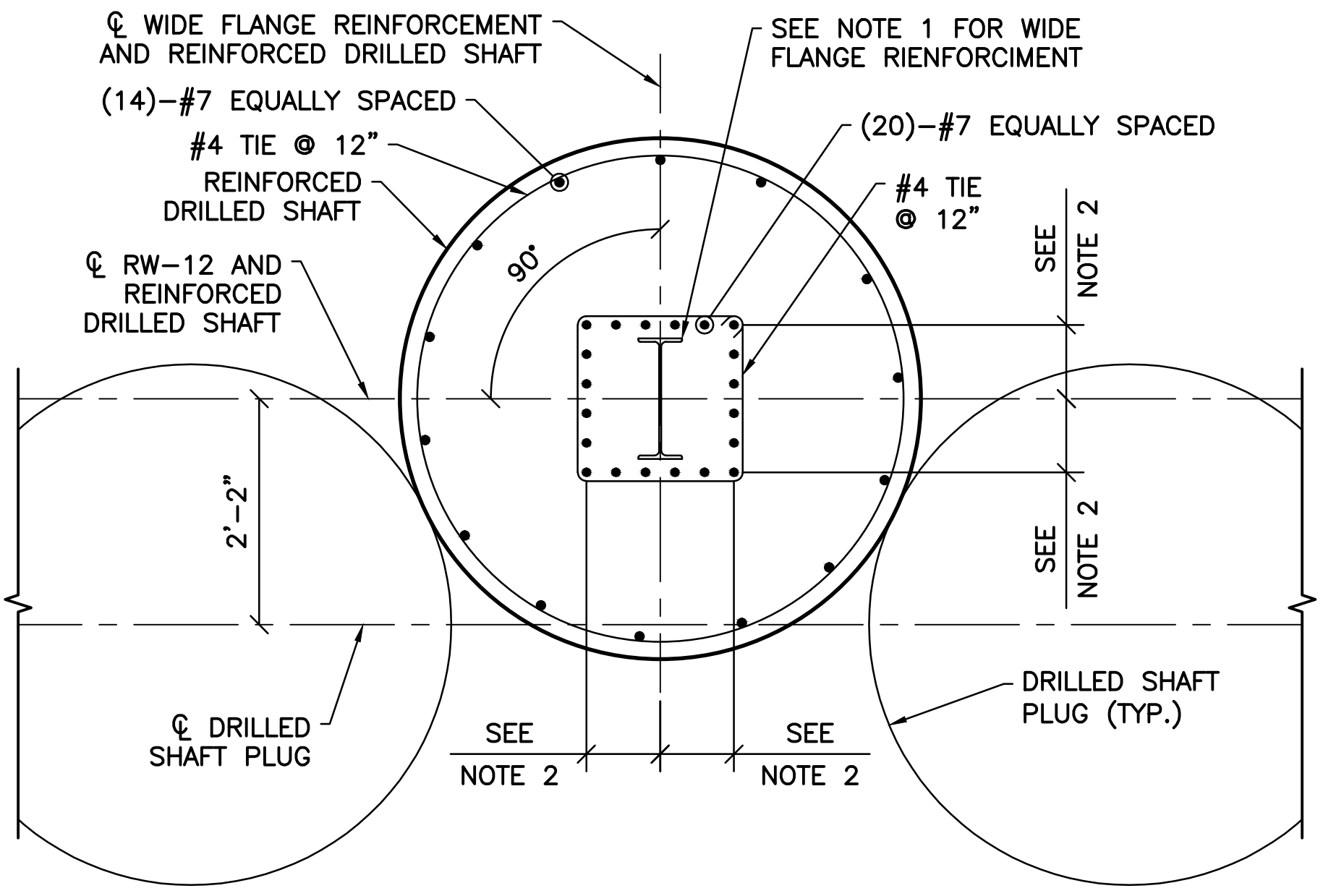
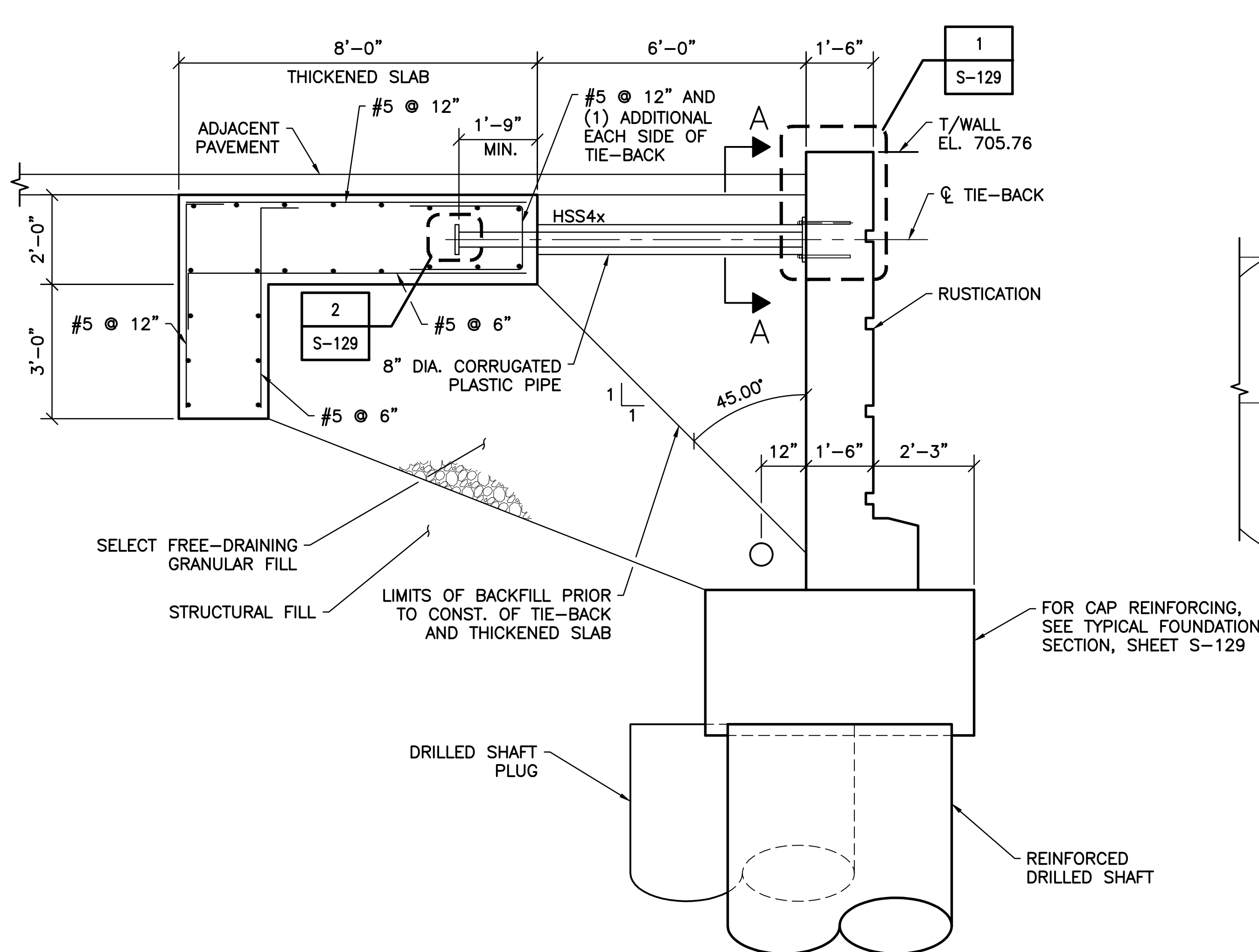
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RW-12 SECTION 2

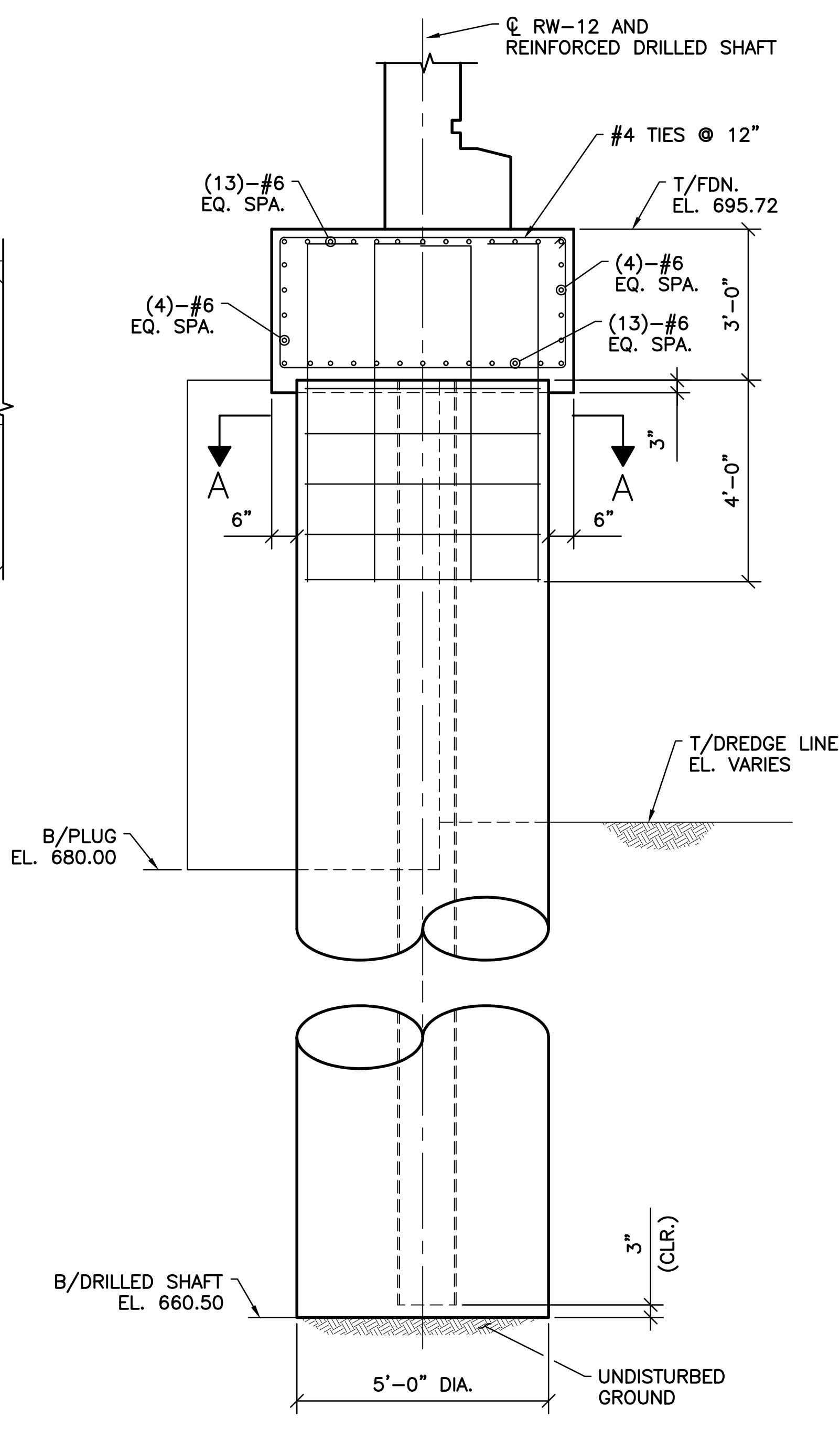
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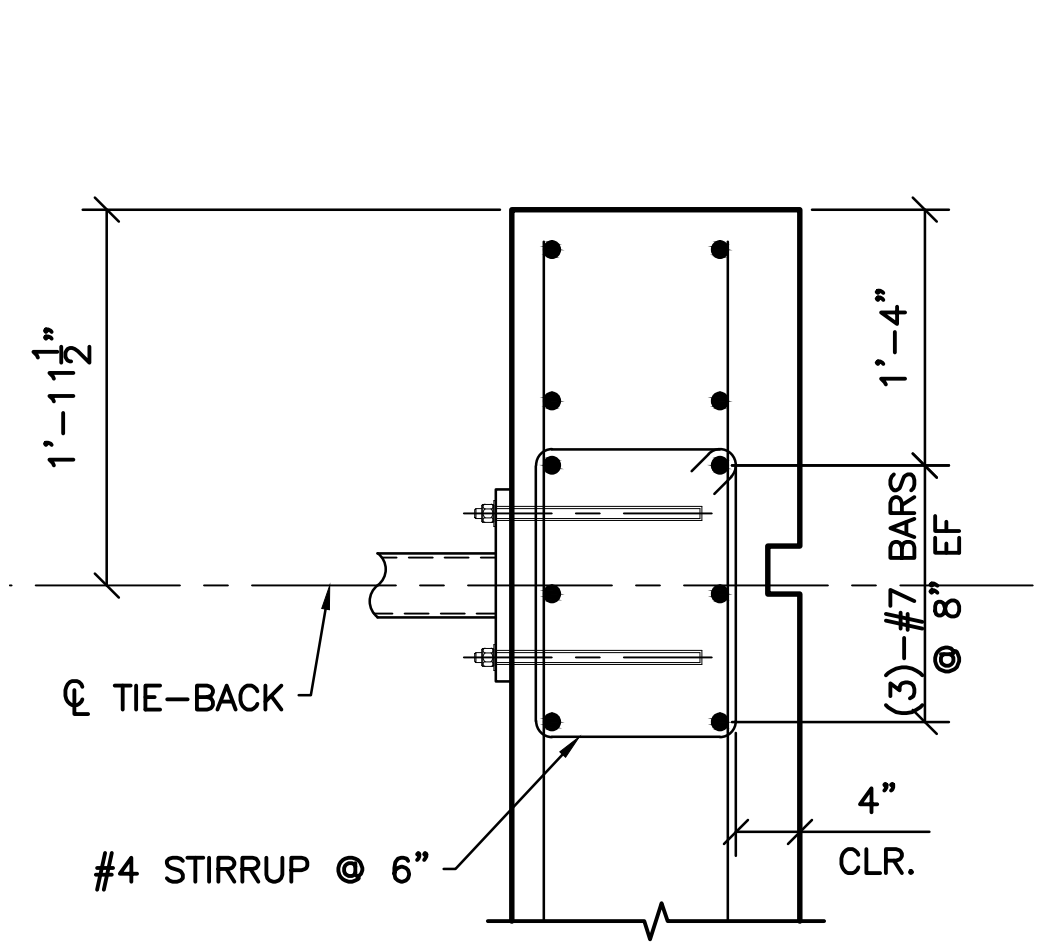
SECTION A-A
SCALE: 3/4" = 1'-0"

- NOTE:
- WIDE FLANGE REINFORCING FOR REINFORCED DRILLED SHAFTS:
 - REINFORCED DRILLED SHAFTS 7 THRU 49= W14x26
 - ALL OTHERS= W21x55
 - DIMENSION TO INTERIOR REINFORCING:
 - REINFORCED DRILLED SHAFTS 7 THRU 55= 8 1/2"
 - ALL OTHERS= 11 1/2"

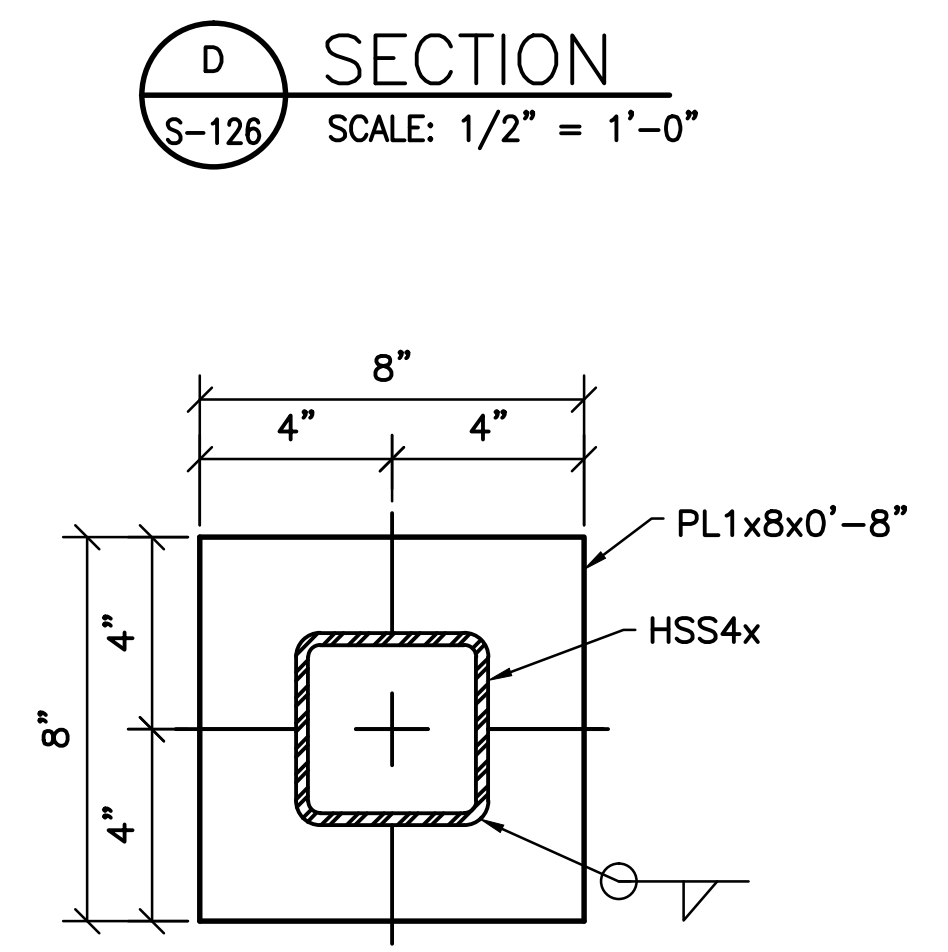


TYPICAL FOUNDATION SECTION
SCALE: 1/2" = 1'-0"

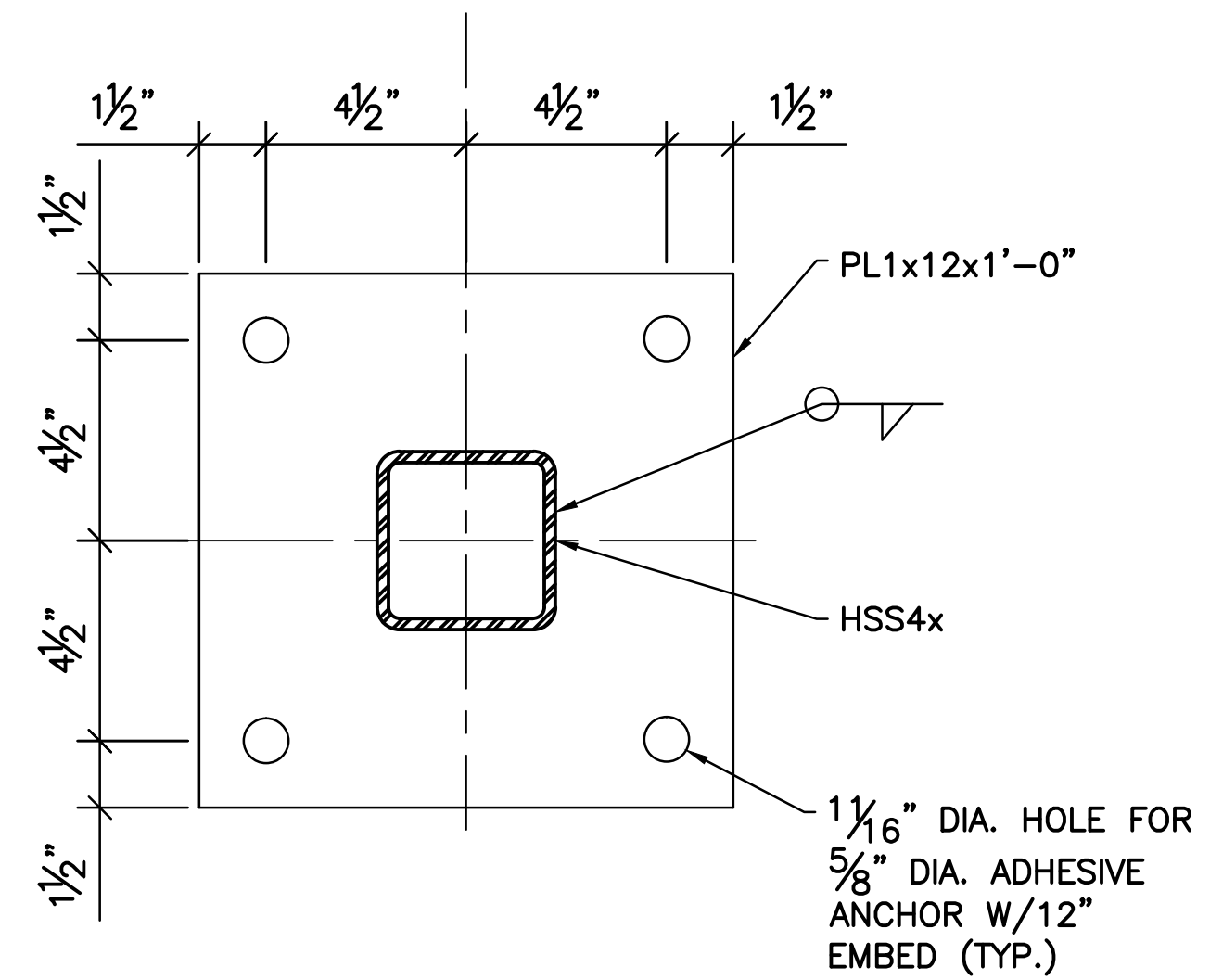
- SHEET NOTE:
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 - SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR RUSTICATION DETAILS.
 - RAILING NOT SHOWN FOR CLARITY.



1 DETAIL
S-129 SCALE: 1" = 1'-0"



2 DETAIL
S-129 SCALE: 3" = 1'-0"



SECTION A-A
SCALE: 3" = 1'-0"

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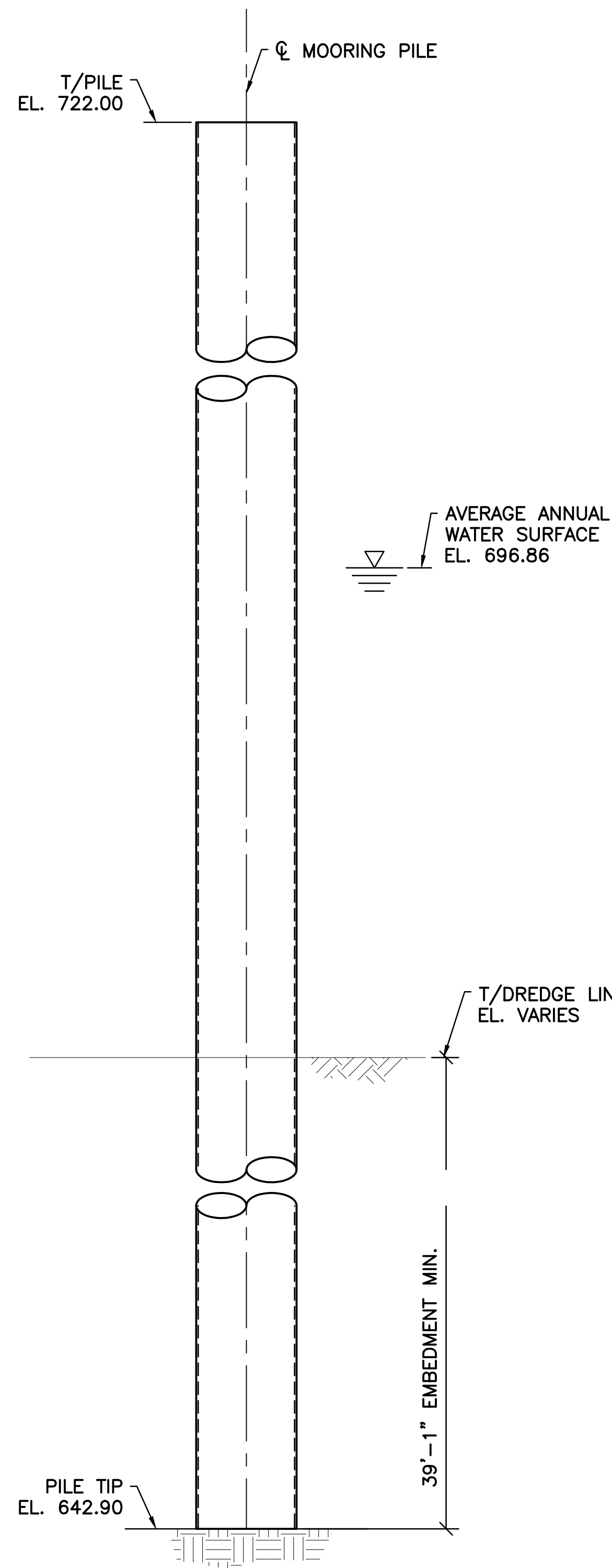
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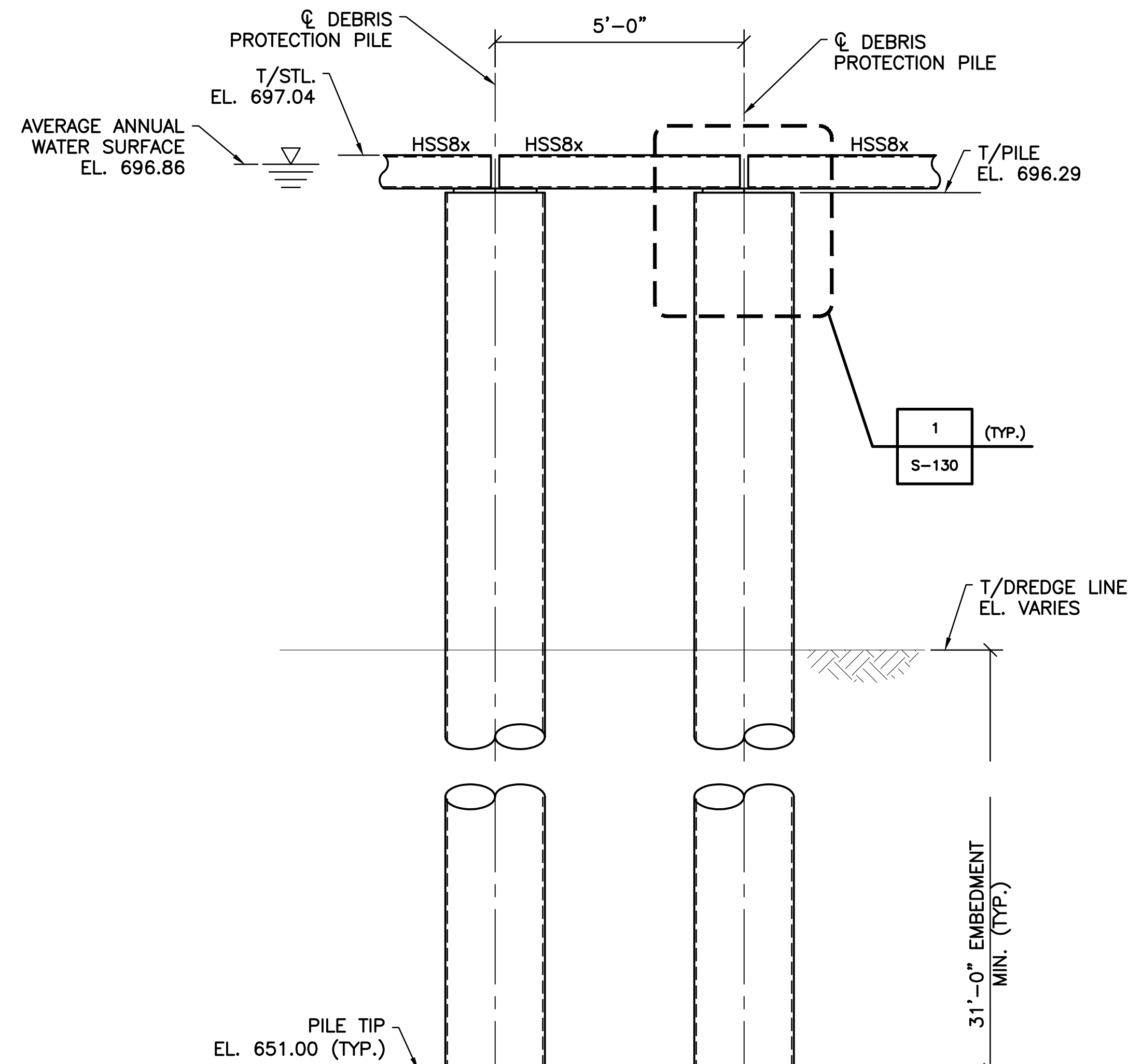
RW-12 SECTIONS 3

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INDEX DETAIL		RECORD FILE			

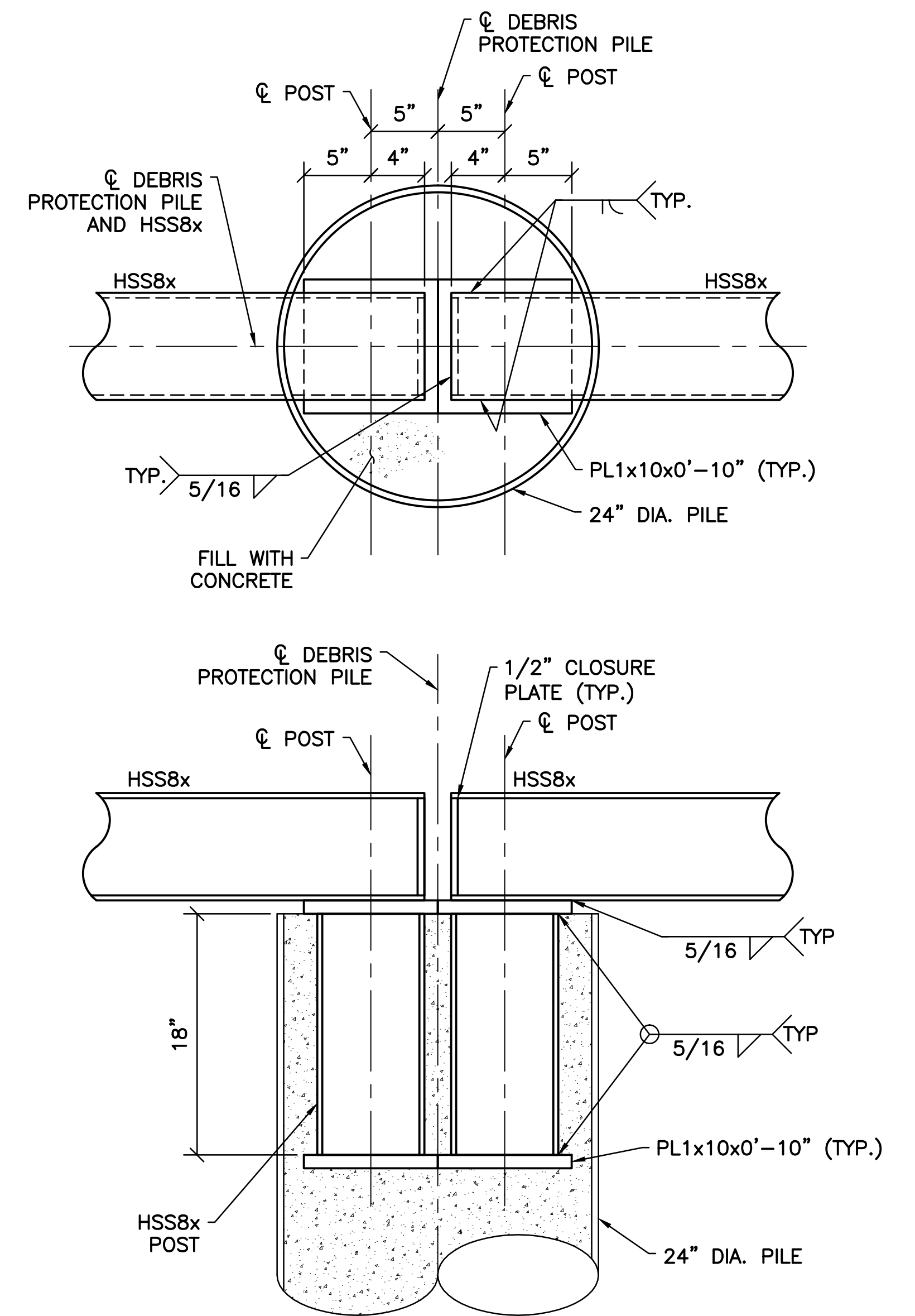
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SCALE: AS NOTED	SHEET: S-129
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



TYPICAL MOORING PILE ELEVATION
SCALE: 1/2" = 1'-0"



TYPICAL PROTECTION PILE ELEVATION
SCALE: 1/2" = 1'-0"



1 DETAIL
S-130 SCALE: 1 1/2" = 1'-0"

SHEET NOTE:

- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
- PROVIDE GALVANIZED STRUCTURAL STEEL SHAPES AS NOTED:
- HSS8x = HSS8x8x3/8
- DEBRIS PROTECTION PILES AND MOORING PILES TO BE FILLED WITH CONCRETE. SLOPE CONCRETE AT TOP TO ALLOW FOR DRAINAGE.

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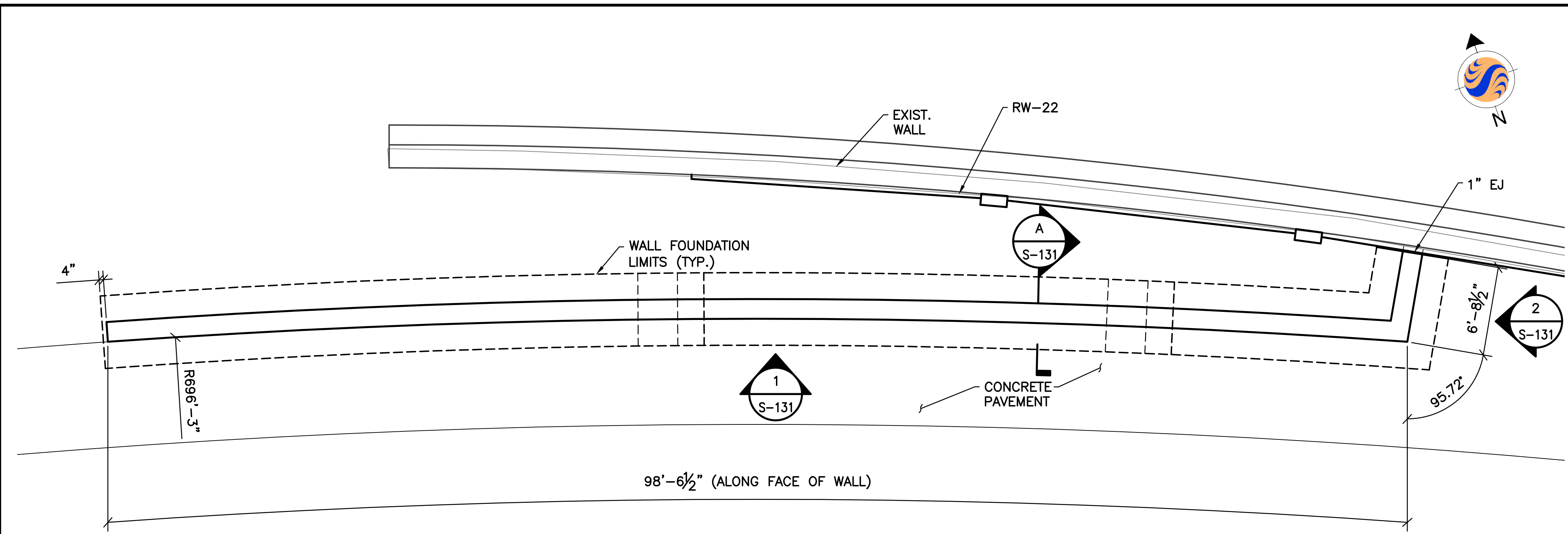
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MOORING AND PROTECTION PILE ELEVATIONS AND DETAIL

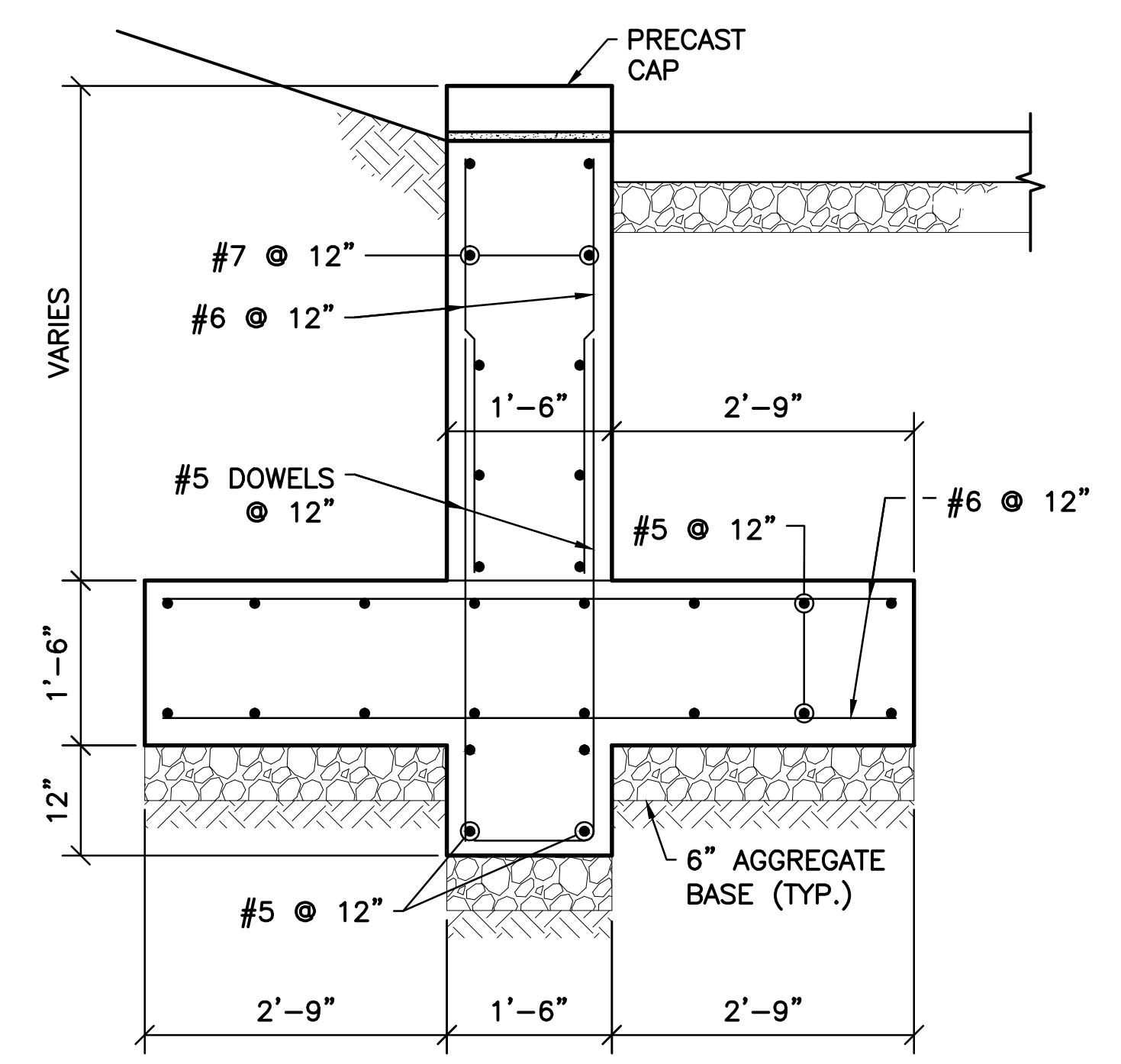
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DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	GLD	CON. DR.
INDEX DETAIL	RECORD FILE		

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-130
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

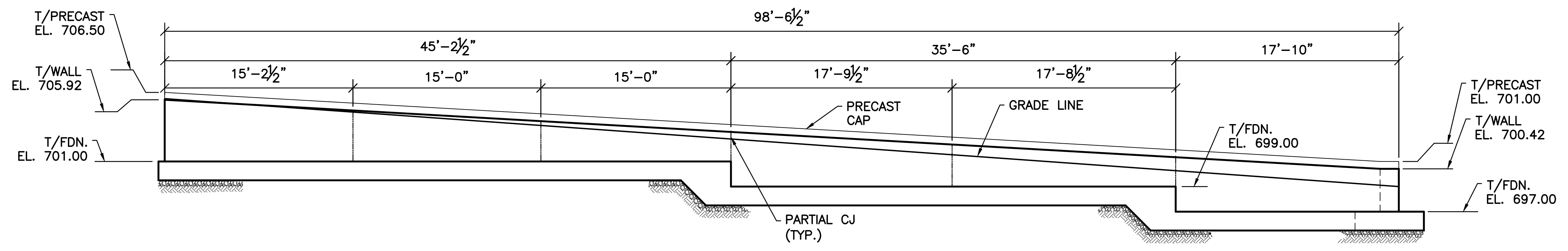


PLAN
SCALE: 3/16" = 1'-0"

- NOTES:
- DESIGN ALLOWABLE BEARING PRESSURE = 7,000 PSF.
 - DESIGN LL = 250 PSF.

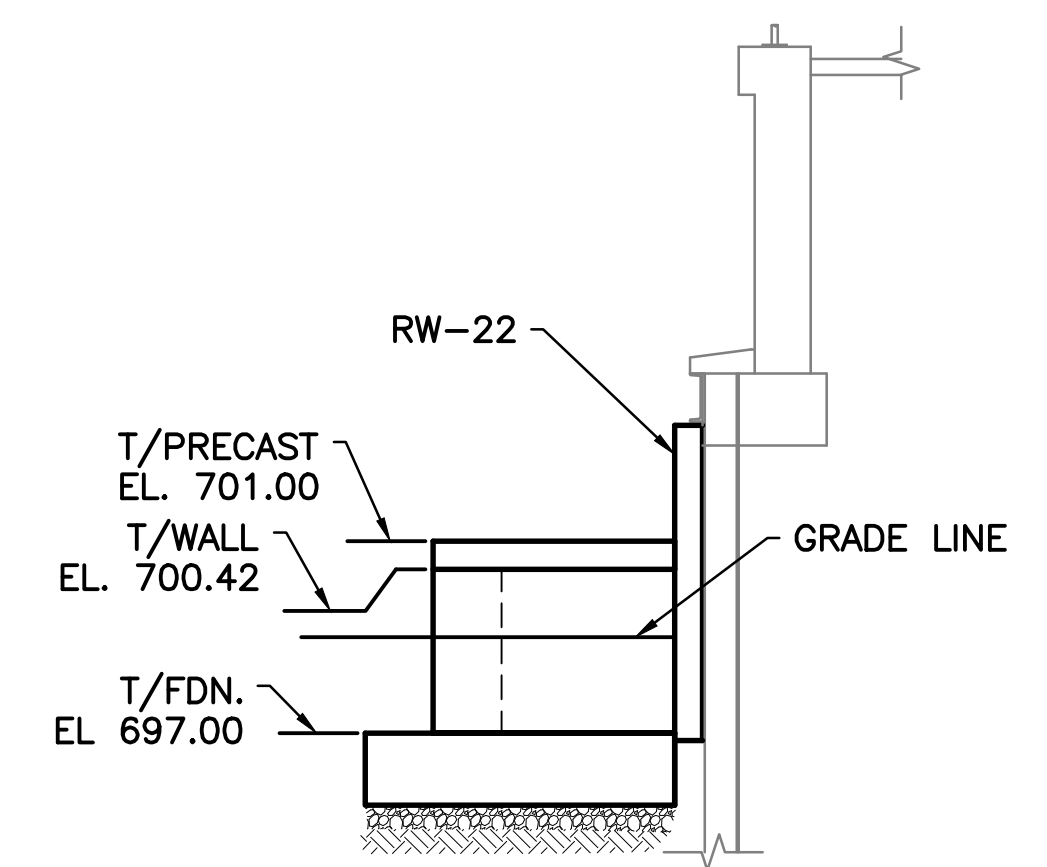


SECTION
SCALE: 3/4" = 1'-0"



ELEVATION 1
SCALE: 3/16" = 1'-0"

- NOTE:
- ALL HORIZONTAL DIMENSIONS ARE MEASURED ALONG THE FRONT FACE OF WALL.



ELEVATION 2
SCALE: 1/4" = 1'-0"

- SHEET NOTES:
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 - SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR PRECAST CAP DETAILS.

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EASEMENT REFERENCE			REVISIONS		
CITY NO.	COUNTY RECORDER		NO.	DESCRIPTION	APPROVAL/DATE
	VOL.	PAGE			

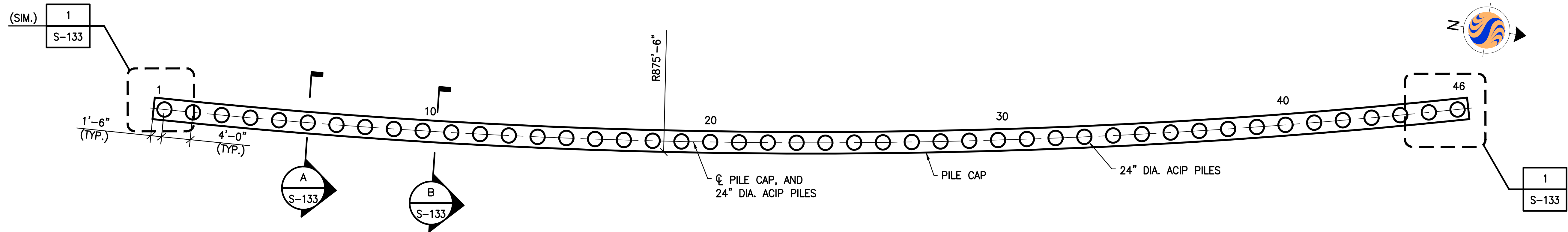
PREPARED BY:		

Stantec Consulting Services Inc.
1500 Lake Shore Drive, Suite 100
Columbus, Ohio 43204
(614) 486-4383
(614) 486-4387

RW-14 PLAN, ELEVATIONS, AND SECTION

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	GLD	CON. DR.
INDEX DETAIL	RECORD FILE		

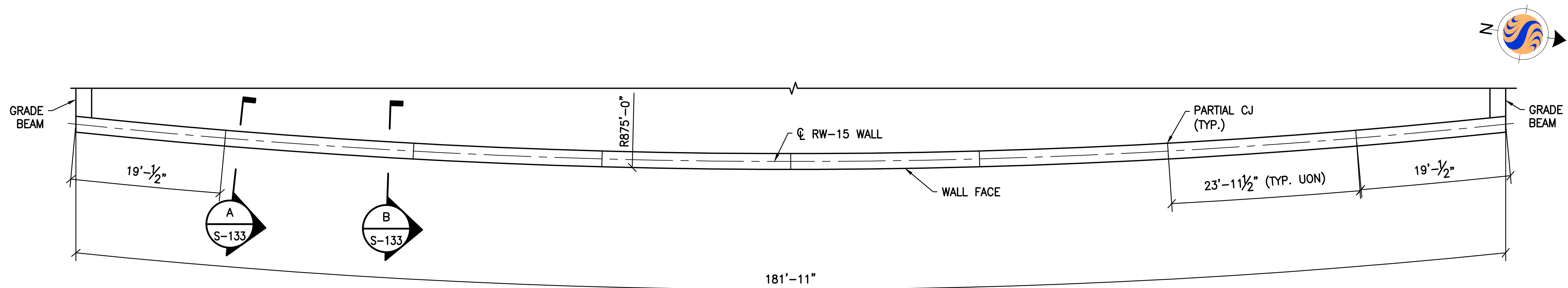
CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-131
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



RW-15 FOUNDATION PLAN

NOTES:

1. ALL PILES TO BE 24" DIA. AUGER CAST-IN-PLACE (ACIP), 46 TOTAL.
2. MAX. ALLOWABLE VERTICAL CAPACITY OF 24" DIA. ACIP PILES = 4.1 TONS.
3. MAX. ALLOWABLE LATERAL CAPACITY OF 24" DIA. ACIP PILES = 2.5 TONS.



RW-15 TOP OF WALL PLAN


NOTE:

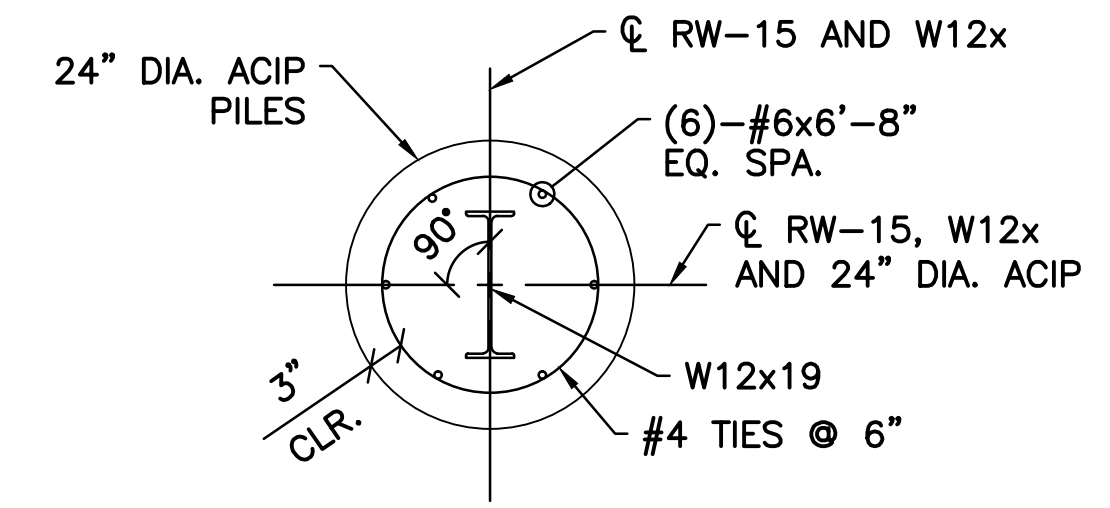
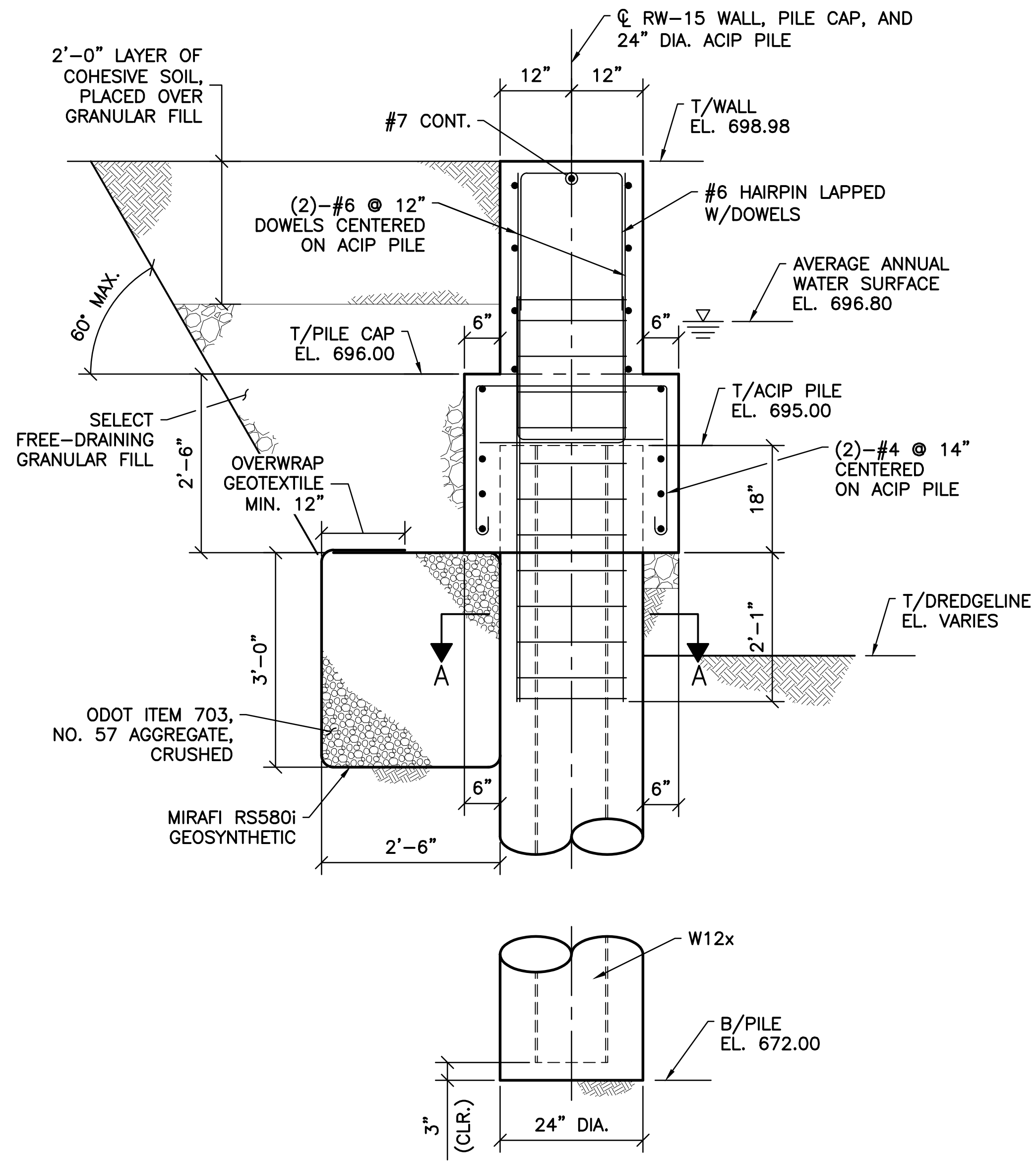
1. DESIGN LL = 250 PSF.

SHEET NOTES:

1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
2. ALL HORIZONTAL DIMENSIONS SHOWN MEASURED ALONG ϕ RW-15.

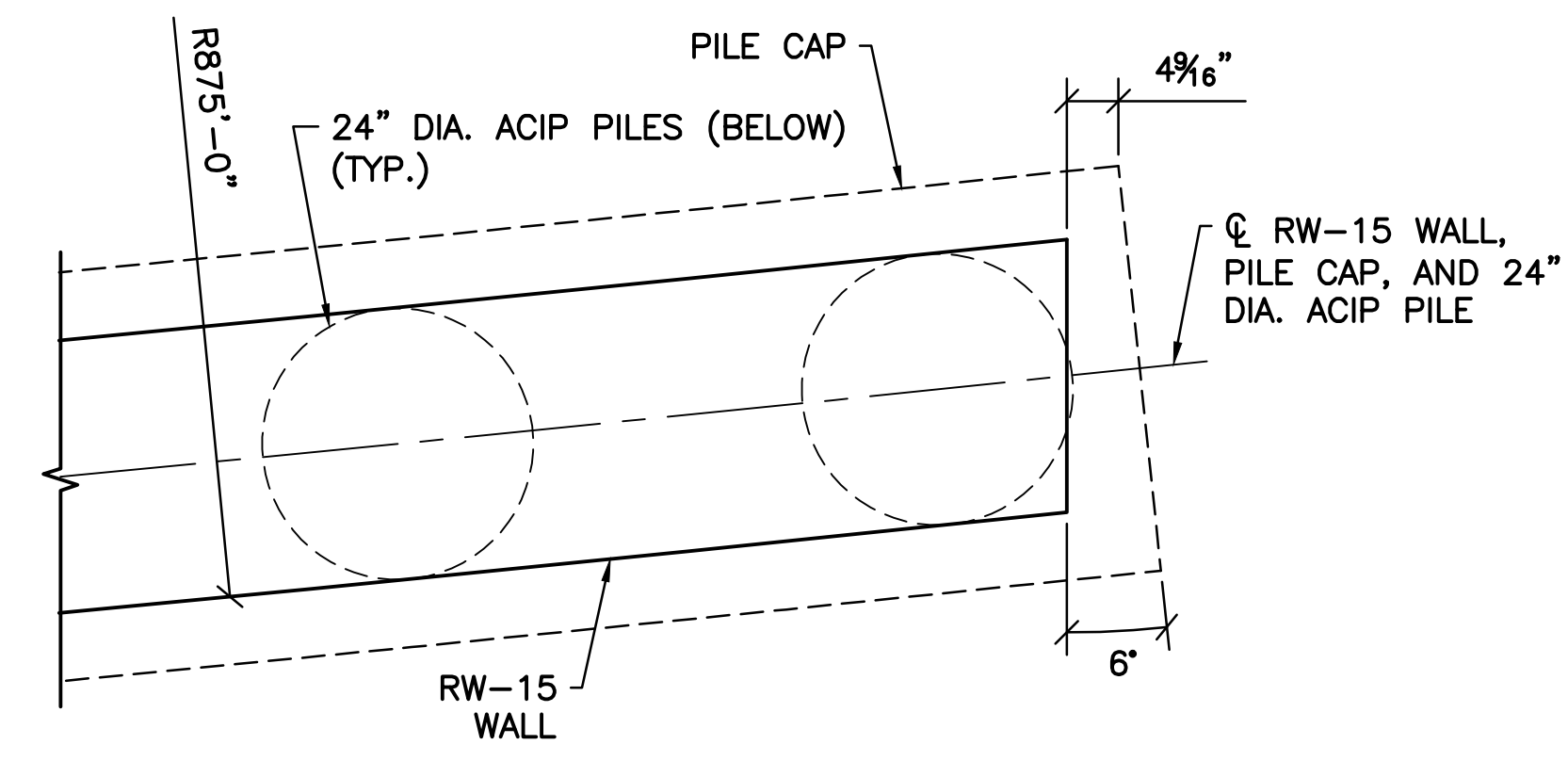
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EASEMENT REFERENCE			REVISIONS			PREPARED BY:  Stantec Consulting Services Inc. 1500 Lake Shore Drive, Suite 100 Columbus, Ohio 43204 (614) 486-4383 (614) 486-4387	PROJECT TITLE:				CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
CITY NO.	COUNTY RECORDER VOL. PAGE	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE		COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO				SCALE: 1/8" = 1'-0"	SHEET: S-132
						RW-15 FOUNDATION AND TOP OF WALL PLAN				CONTRACTOR		
										INSPECTOR		OWNER
							AGREEMENT	COMPLETED				
							RPD	CKD	CLD	CON. DR.		
							INDEX DETAIL	RECORD FILE				
							CONTRACT DRAWING NO. CC-16423		RECORD PLAN NO.			

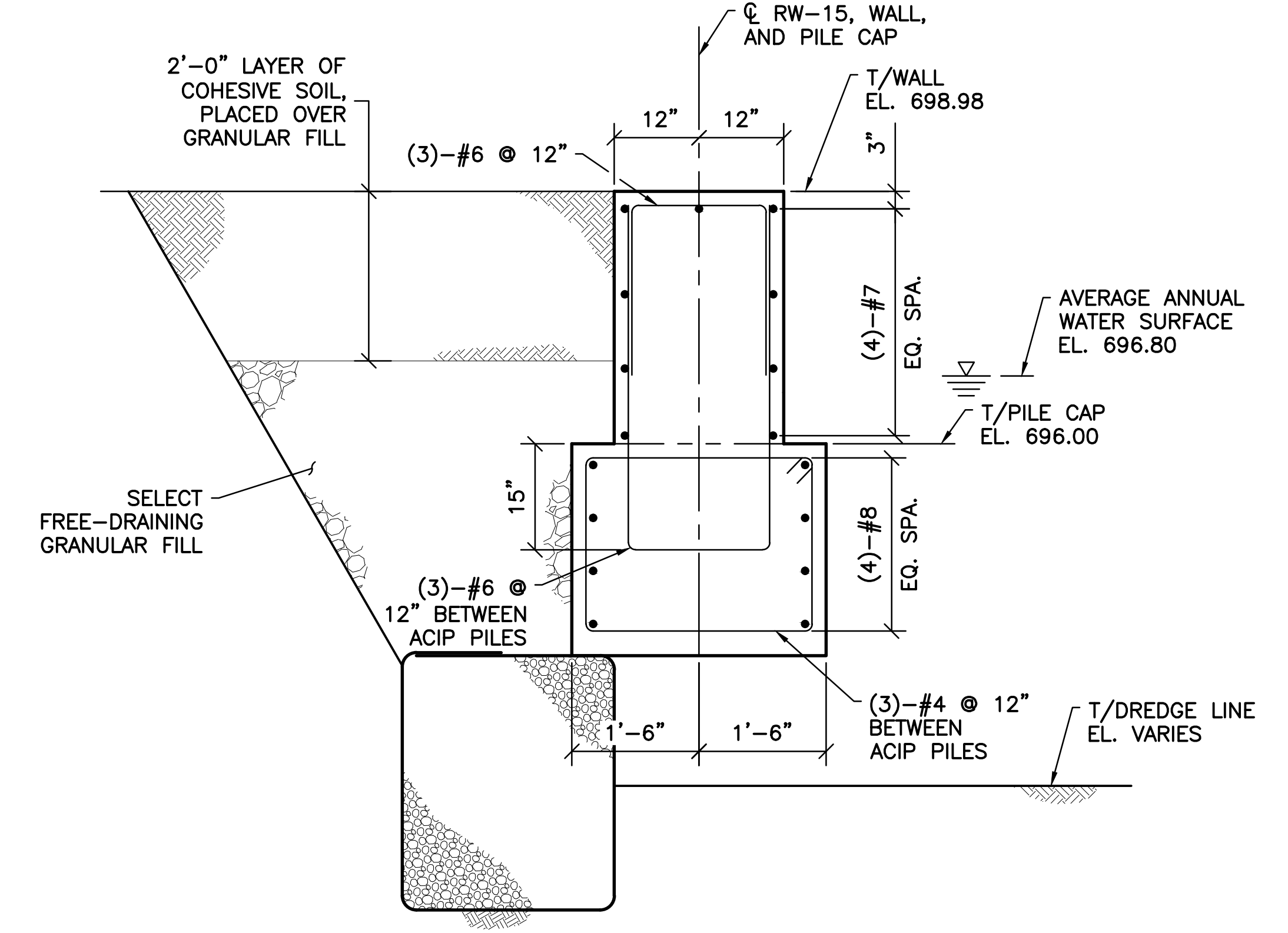


SECTION A-A

A SECTION
S-132



1 DETAIL
S-132



B SECTION
S-132

SHEET NOTE:
1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.

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EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER		GRANTOR
	VOL.	PAGE	

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PREPARED BY:

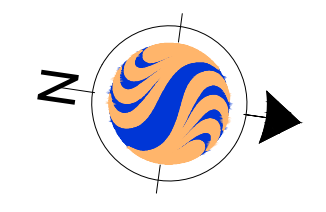
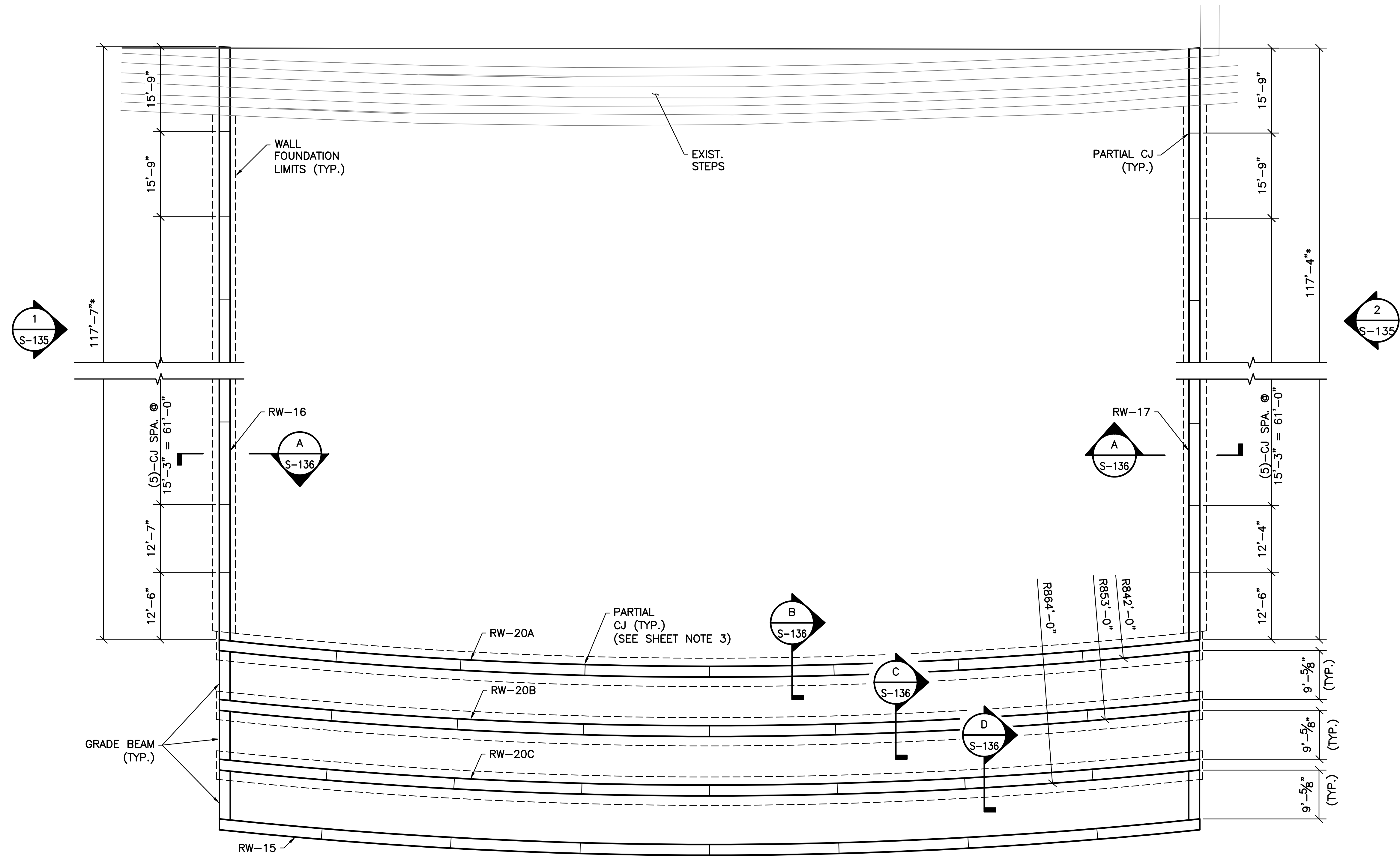
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 Columbus, Ohio 43204
 (614) 486-4383
 (614) 486-4387


 LANDSCAPE ARCHITECTURE • URBAN PLANNING

RW-15 WALL SECTIONS AND DETAIL

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	GLD	CON. DR.
INDEX DETAIL	RECORD FILE		

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 3/4" = 1'-0"	SHEET: S-133
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



RW-16, RW-17, RW-20A,
B, AND C WALL PLAN

NOTES:

1. DESIGN ALLOWABLE BEARING PRESSURE:
 -RW-20A, RW-20B AND RW-20C = 7,000 PSF
 -RW-16 AND RW-17 = 8,000 PSF
2. DESIGN LL = 250 PSF.

SHEET NOTES:

1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
2. WALL FOUNDATIONS TO EXTEND 4" MINIMUM BEYOND END OF WALL UNLESS OTHERWISE NOTED
3. ALL CONTRACTION JOINTS IN WALLS RW-20A, RW-20B, AND RW-20C TO MATCH NUMBER AND SPACING OF CONTRACTION JOINTS IN RW-15.

EASEMENT REFERENCE		
CITY NO.	COUNTY RECORDER	GRANTOR
	VOL. PAGE	

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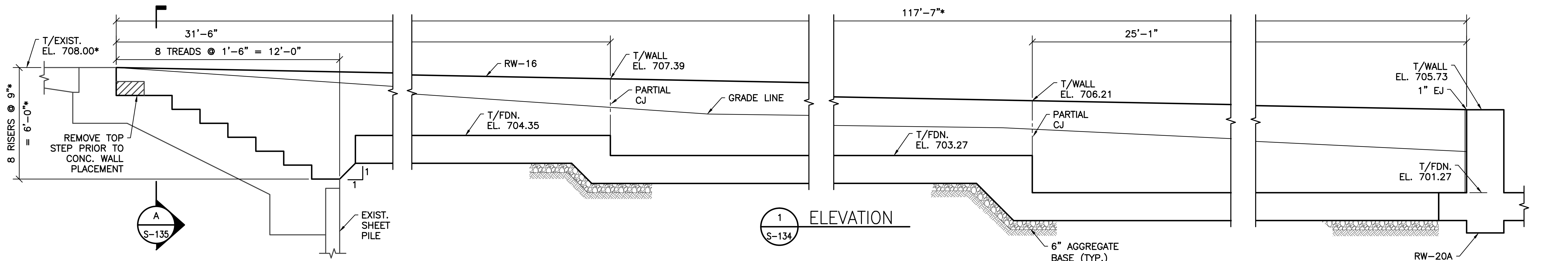

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RW-16, RW-17, RW-20A, B, AND C WALL PLAN

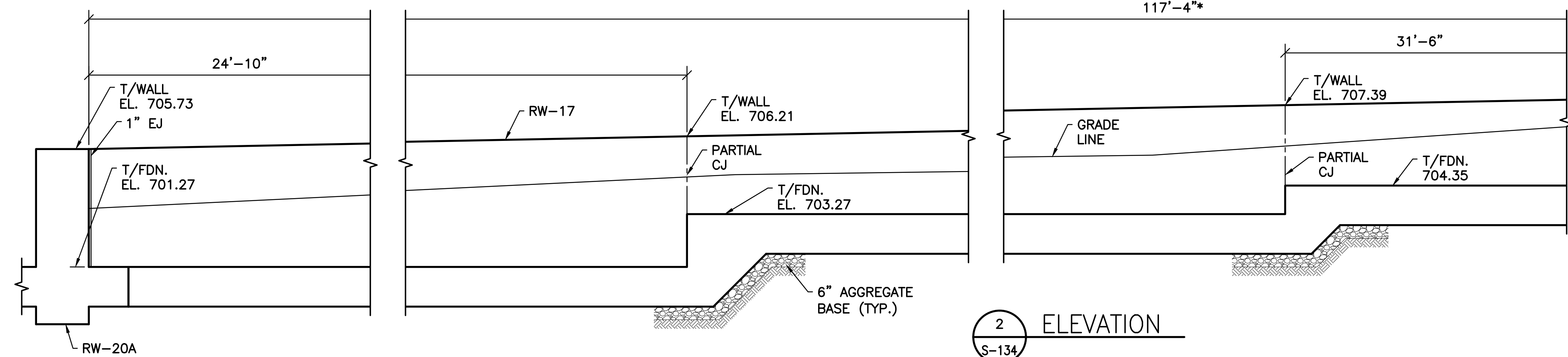
PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	CLD	CON. DR.
INDEX DETAIL	RECORD FILE		

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 3/32" = 1'-0"	SHEET: S-134
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

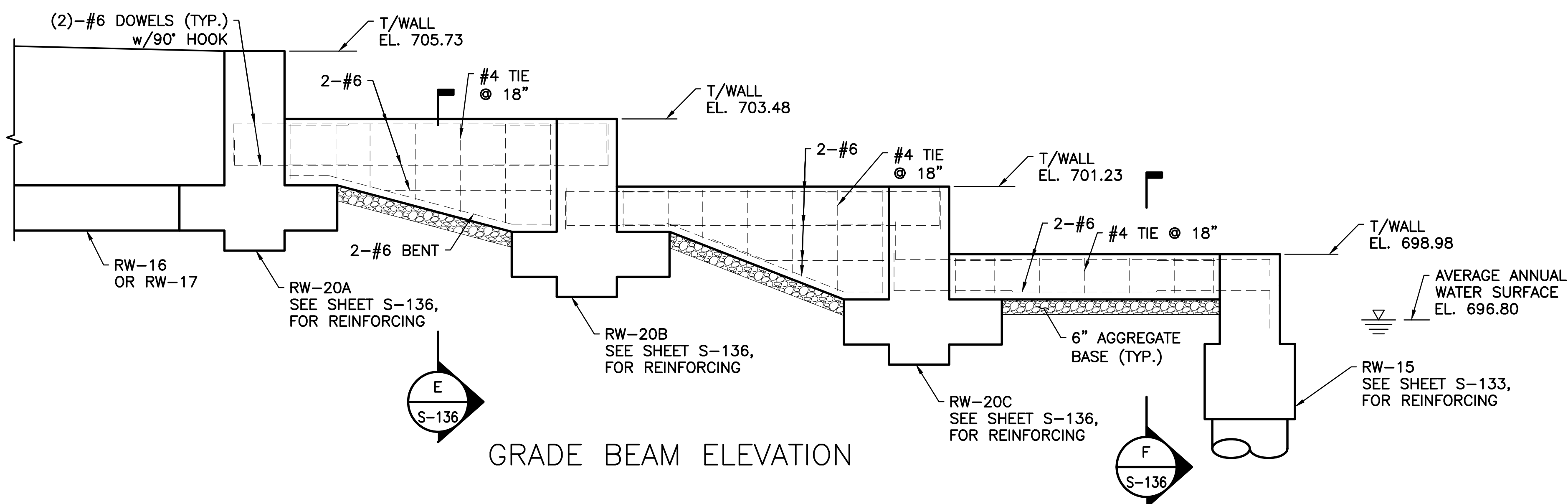
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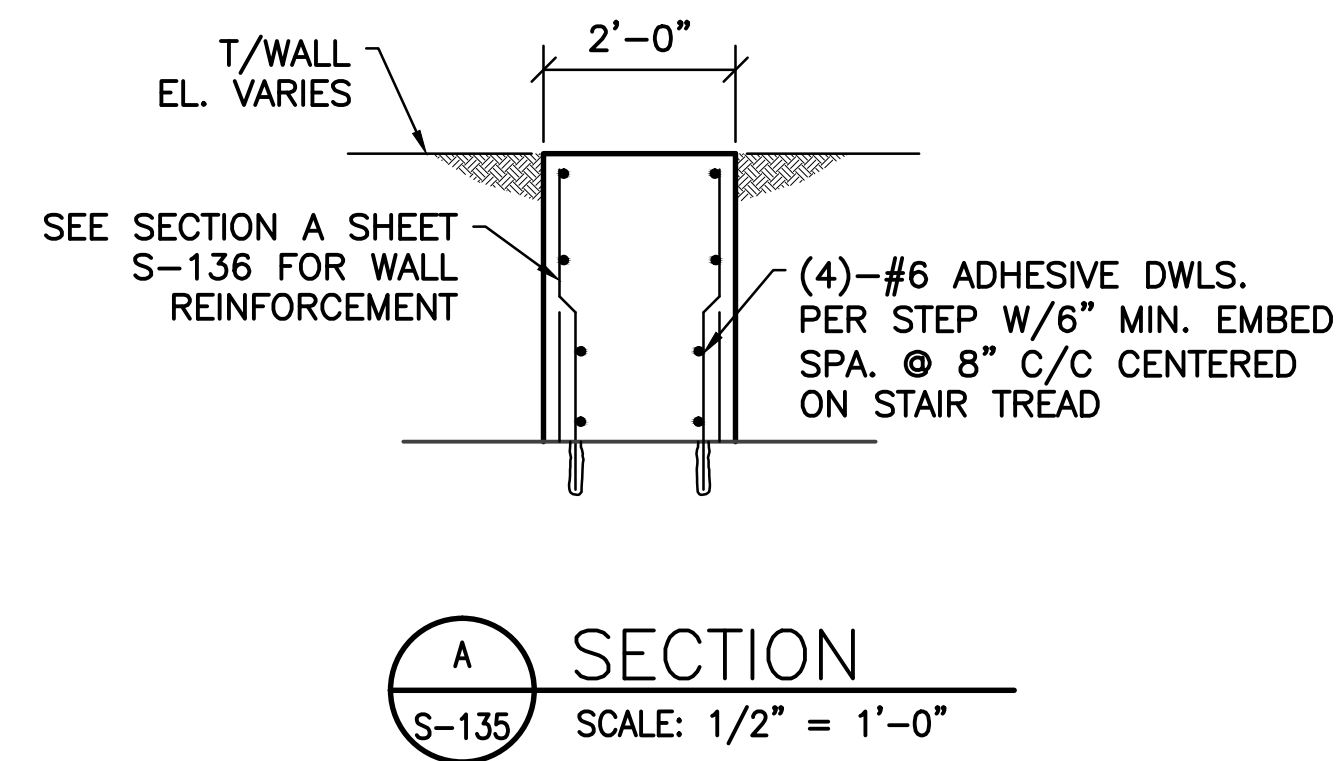
1 ELEVATION
S-134



2 ELEVATION
S-134



GRADE BEAM ELEVATION



A SECTION
S-135 SCALE: 1/2" = 1'-0"

SHEET NOTE:
1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE S-101, S-102, AND S-103.

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CITY NO.	COUNTY RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE
	VOL. PAGE				

EASEMENT REFERENCE			REVISIONS		
CITY NO.	COUNTY RECORDER	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE
	VOL. PAGE				

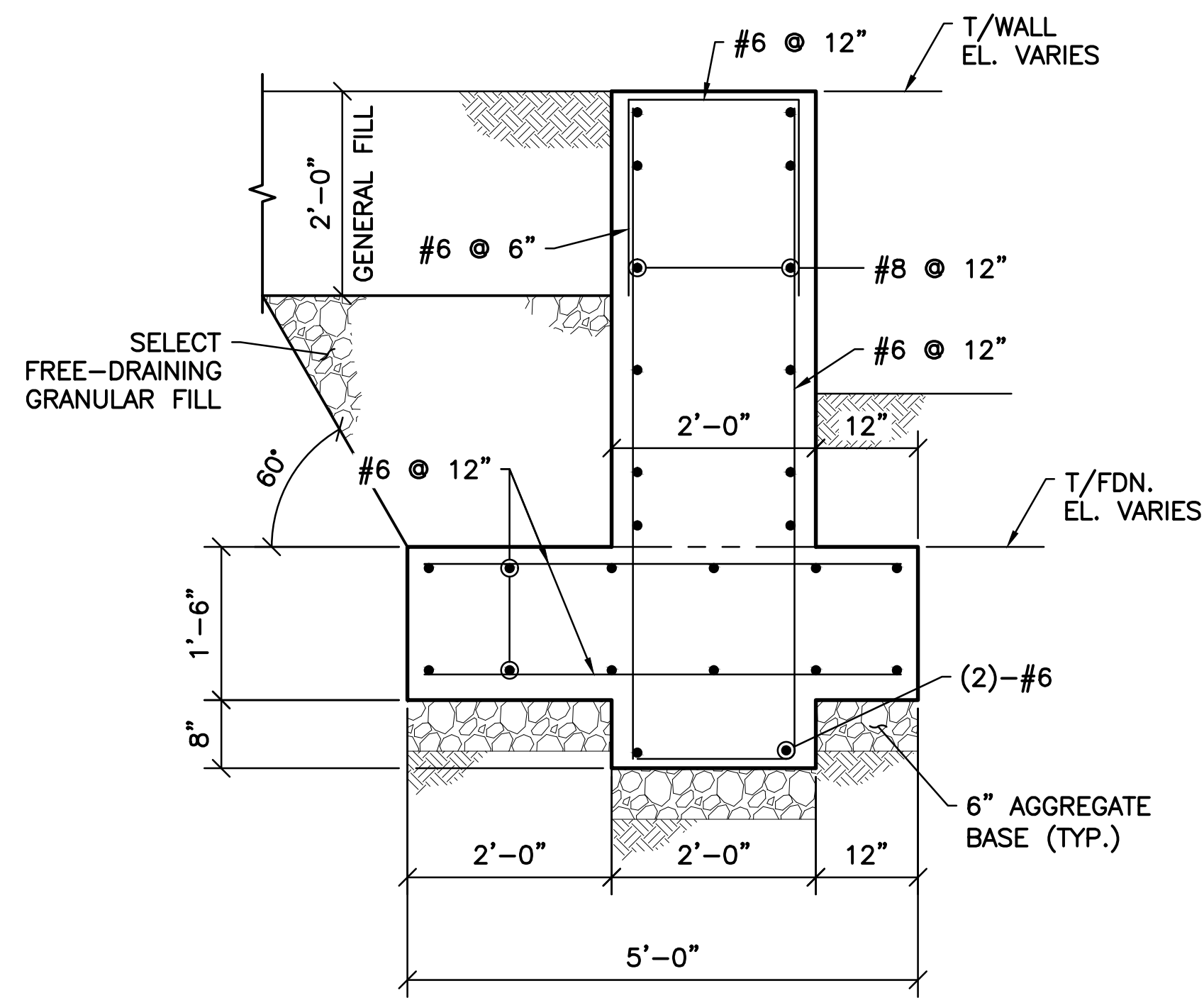
PREPARED BY:
 Stantec Consulting Services Inc.
 1500 Lake Shore Drive, Suite 100
 Columbus, Ohio 43204
 (614) 486-4383
 (614) 486-4387
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PROJECT TITLE:
 COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION
 SCIOTO GREENWAYS PROJECT
 CITY OF COLUMBUS, OHIO

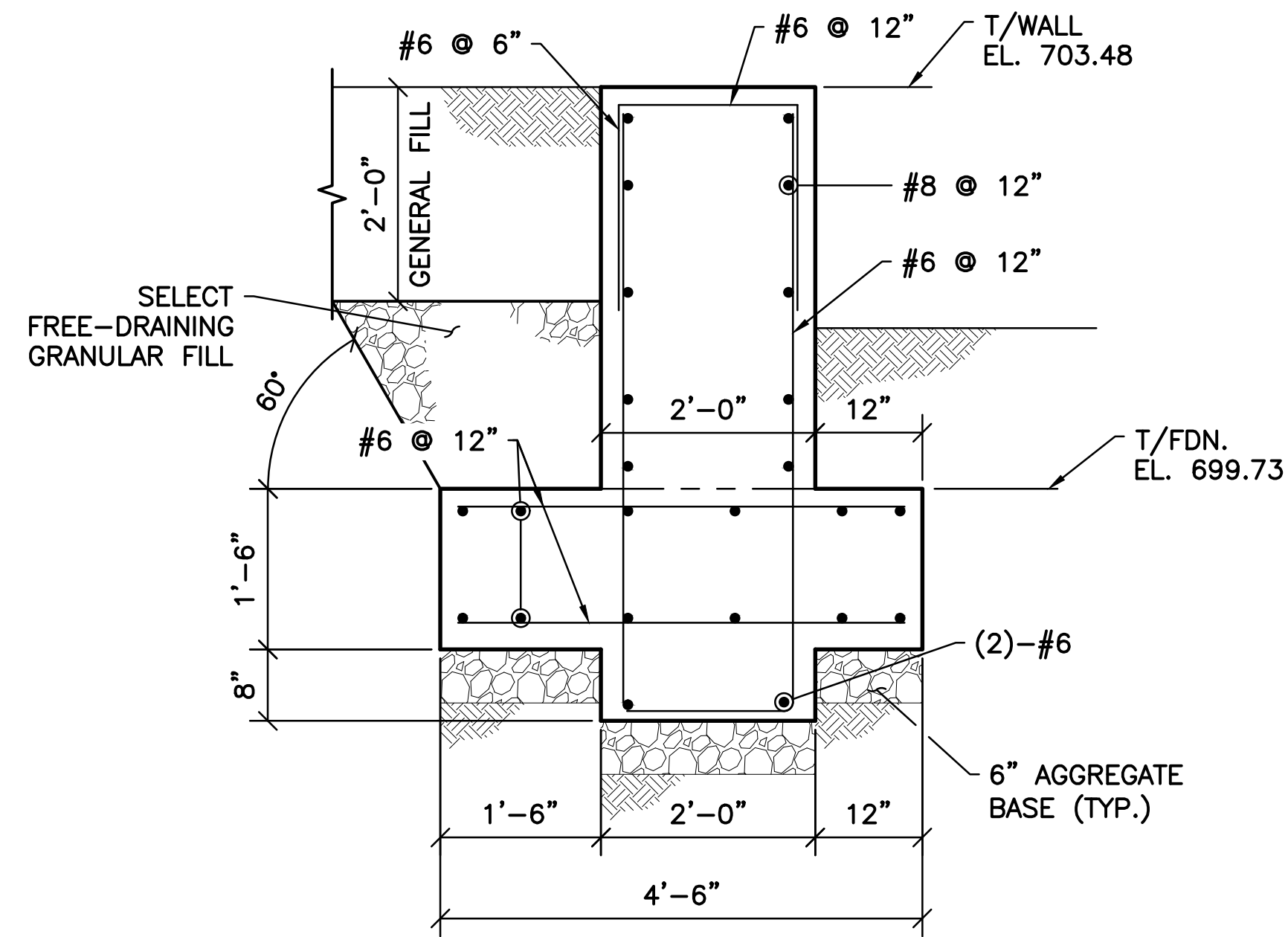
RW-16, RW-17, AND GRADE BEAM ELEVATIONS

DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
		AGREEMENT	COMPLETED
		RPD CKD	GLD CON. DR.
		INDEX DETAIL	RECORD FILE

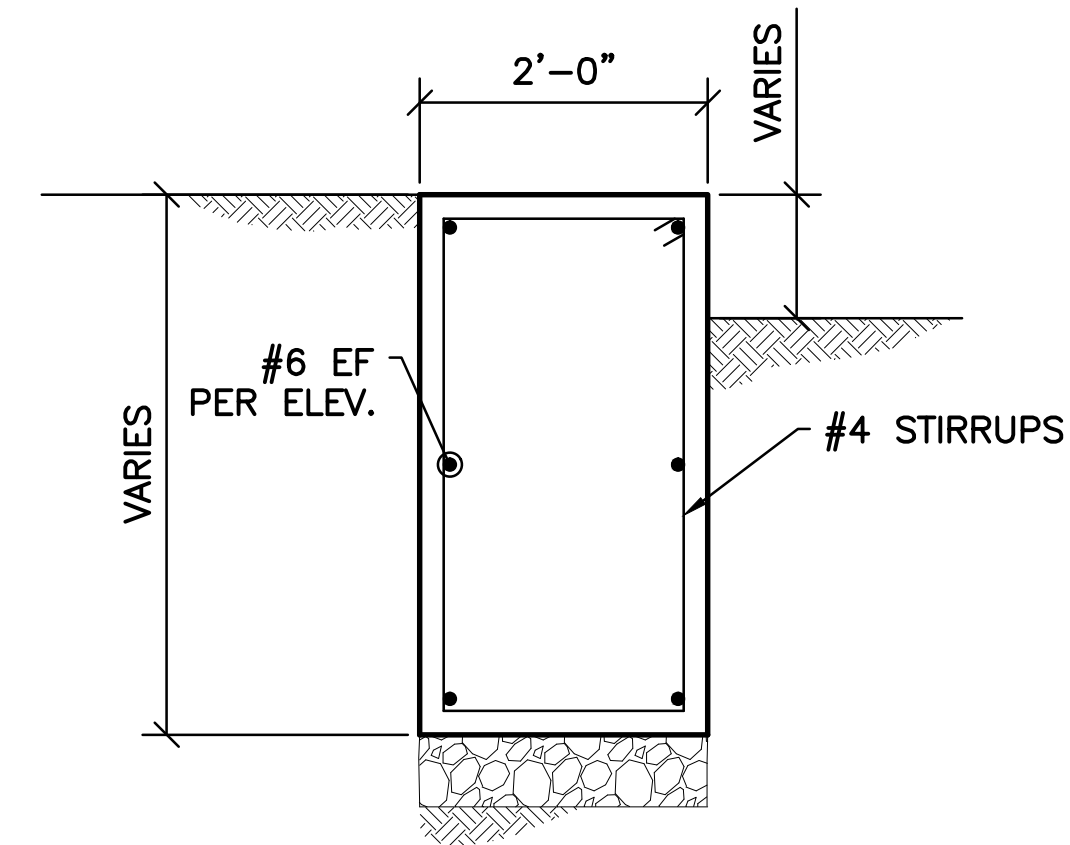
CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>		SCALE: 3/8" = 1'-0"	SHEET: S-135
CONTRACT DRAWING NO. CC-16423		RECORD PLAN NO.	



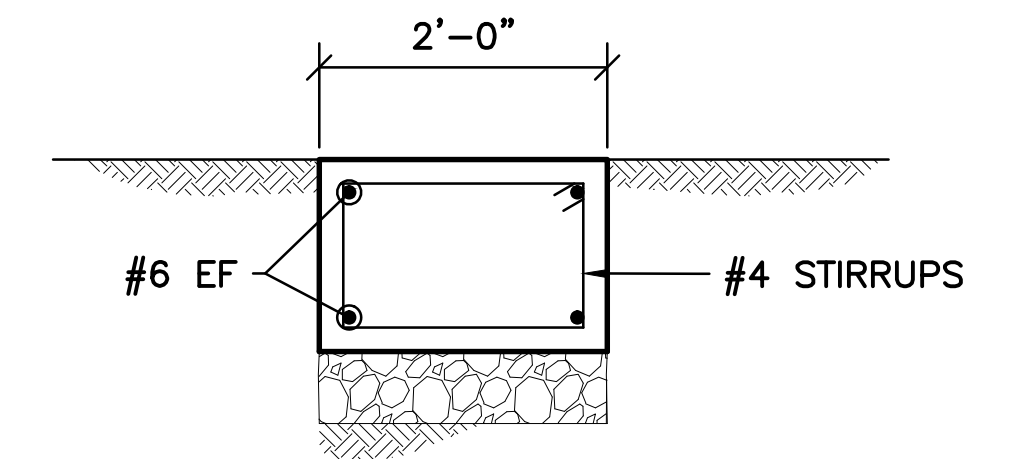
A SECTION
S-134



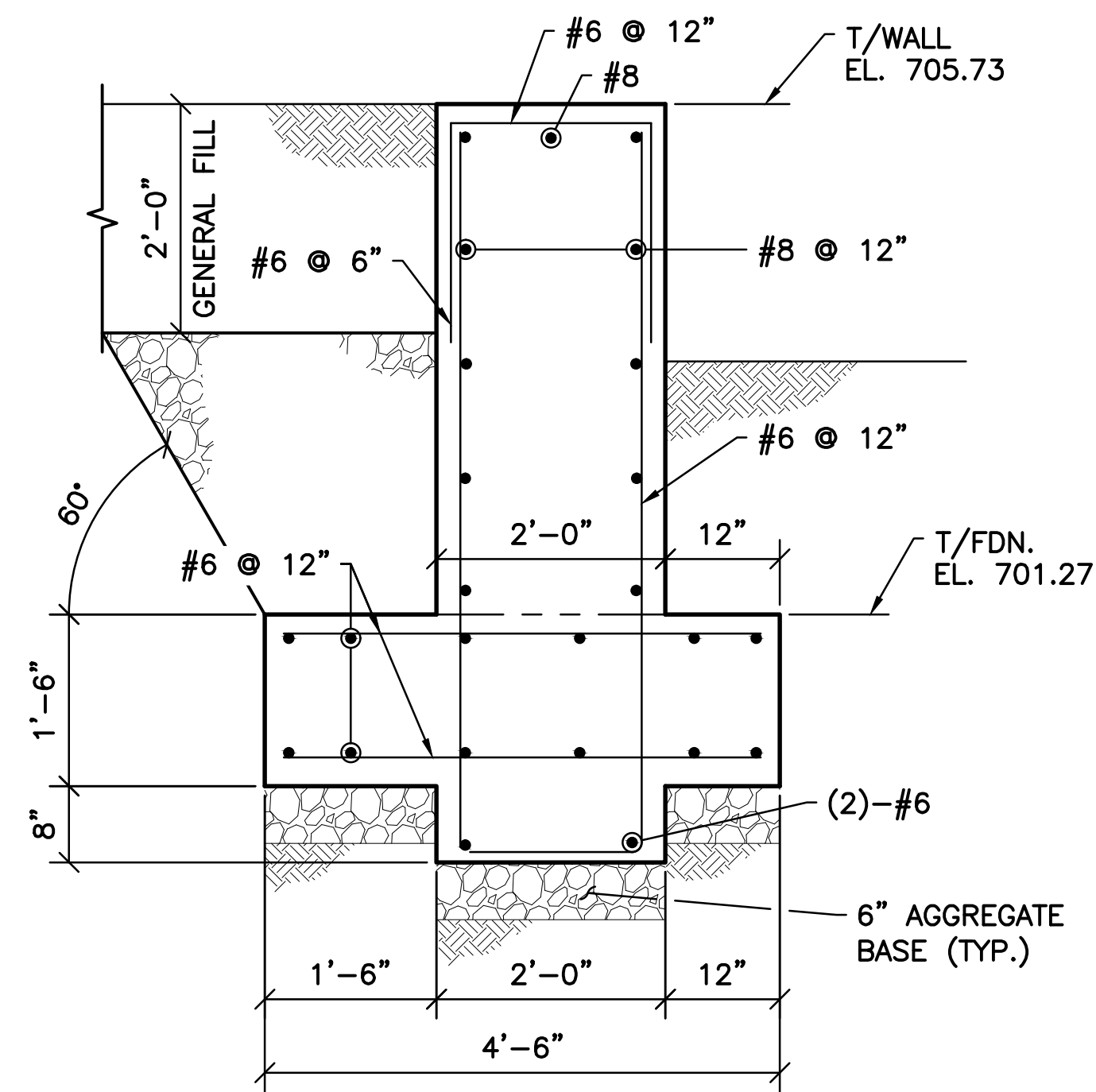
C SECTION
S-134



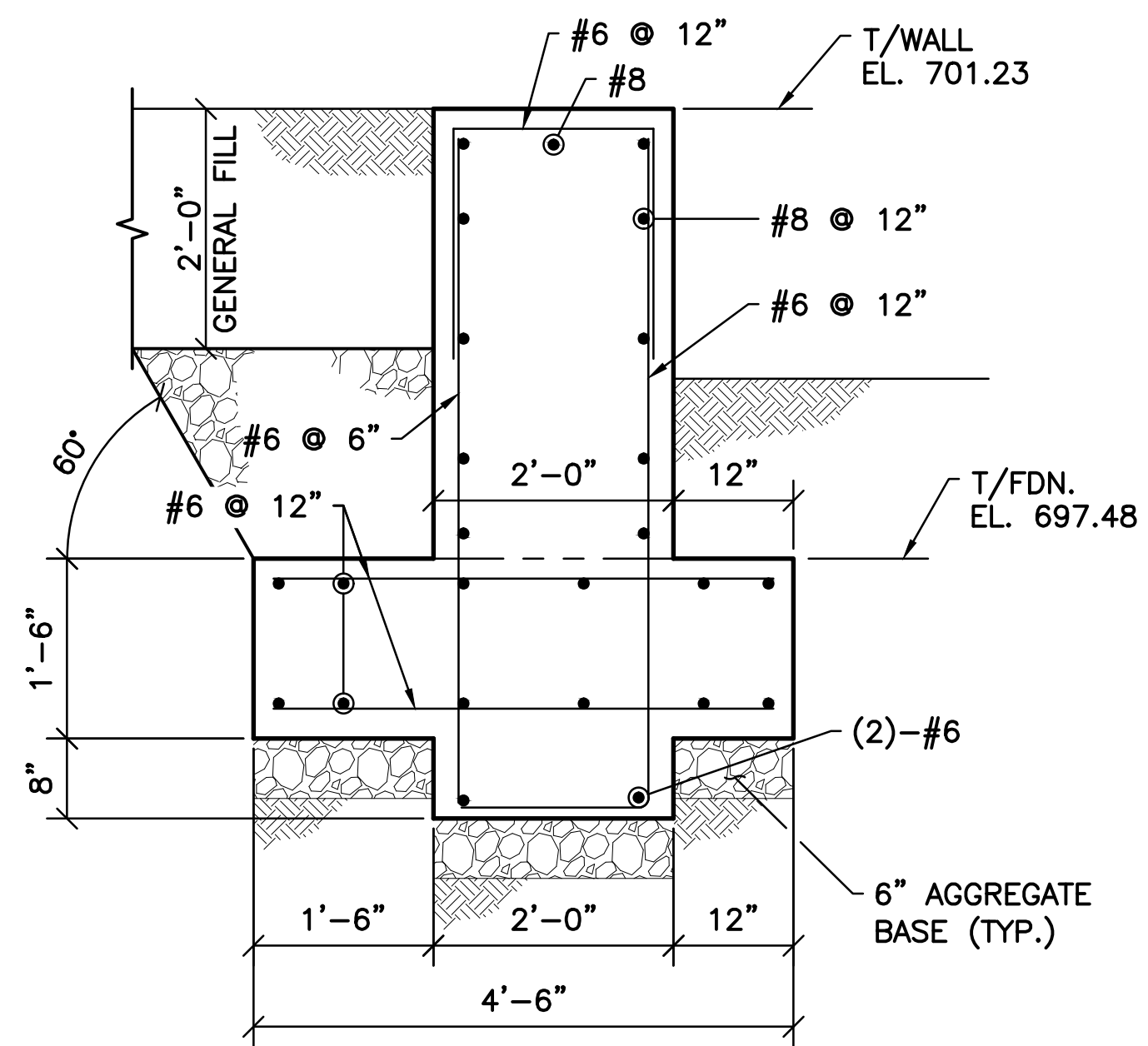
E SECTION
S-135



F SECTION
S-135



B SECTION
S-134



D SECTION
S-134

SHEET NOTE:
1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.

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EASEMENT REFERENCE			GRANTOR
CITY NO.	COUNTY RECORDER VOL. PAGE		

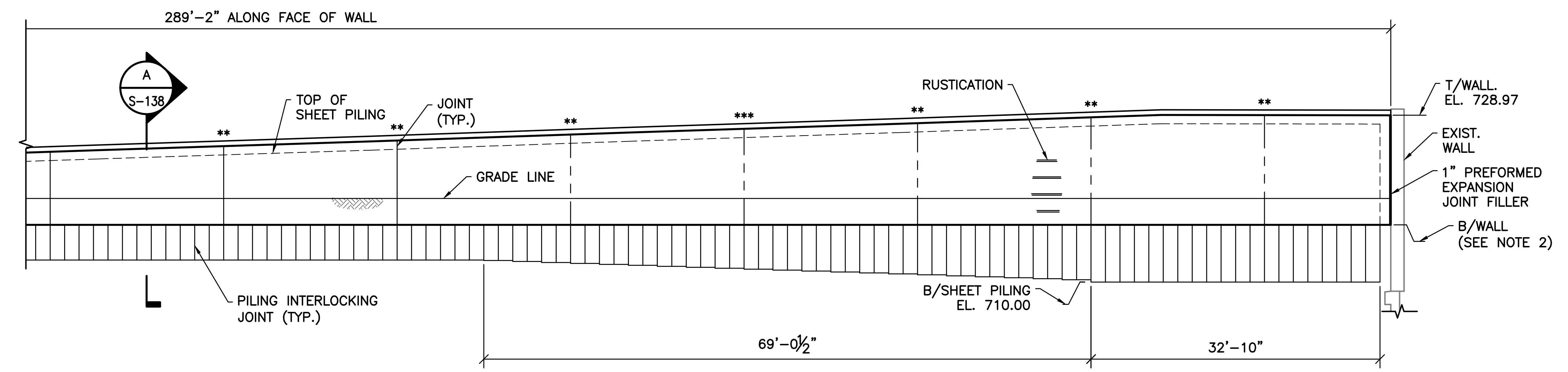
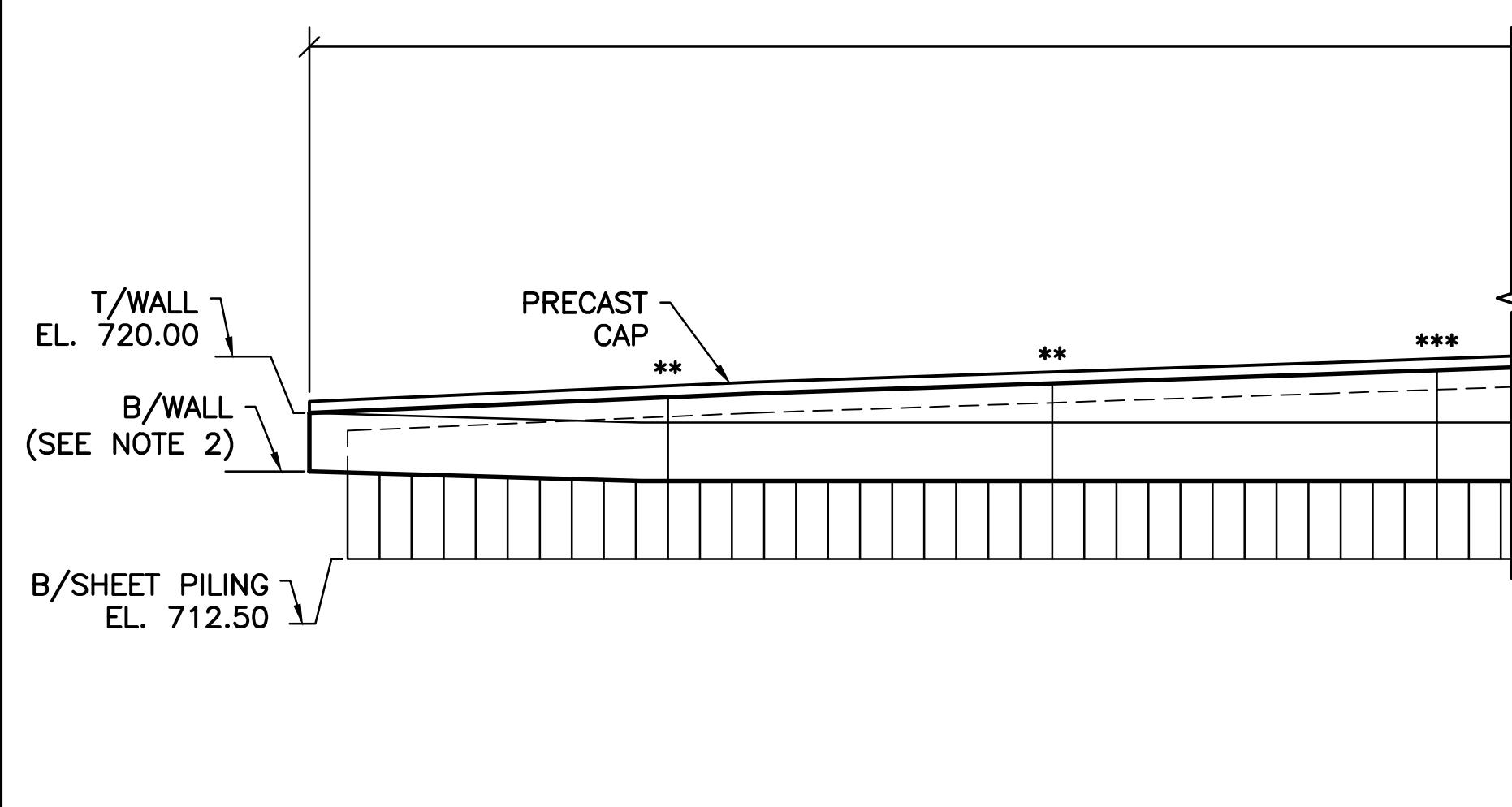
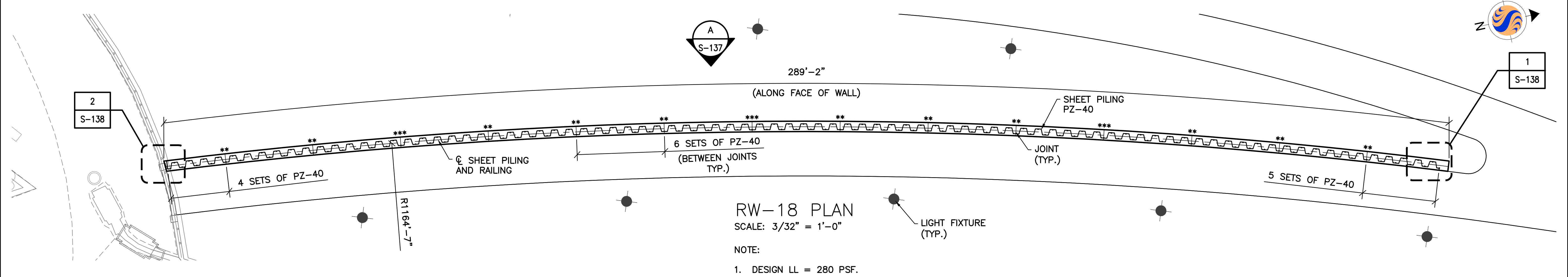
REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

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 1500 Lake Shore Drive, Suite 100
 Columbus, Ohio 43204
 (614) 486-4383
 (614) 486-4387
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RW-16, RW-17, RW-20A, B AND C WALL SECTIONS

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
	AGREEMENT		COMPLETED
	RPD	CKD	GLD CON. DR.
	INDEX DETAIL		RECORD FILE

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 3/4" = 1'-0"	SHEET: S-136
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



- NOTES:
- CONTRACTOR TO LINEALLY INTERPOLATE B/SHEET PILING ELEVATIONS BETWEEN GIVEN ELEVATION.
 - B/WALL EL. TO BE MIN. 3'-0" BELOW GRADE.

- SHEET NOTES:
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 - SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR PRECAST CAP, LIGHT FIXTURES, RUSTICATION AND PAVEMENT DETAILS.
 - RAILINGS NOT SHOWN FOR CLARITY.
- ** JOINT TYPE "A"
*** JOINT TYPE "B"

EASEMENT REFERENCE		
CITY NO.	COUNTY RECORDER	GRANTOR
	VOL. PAGE	

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

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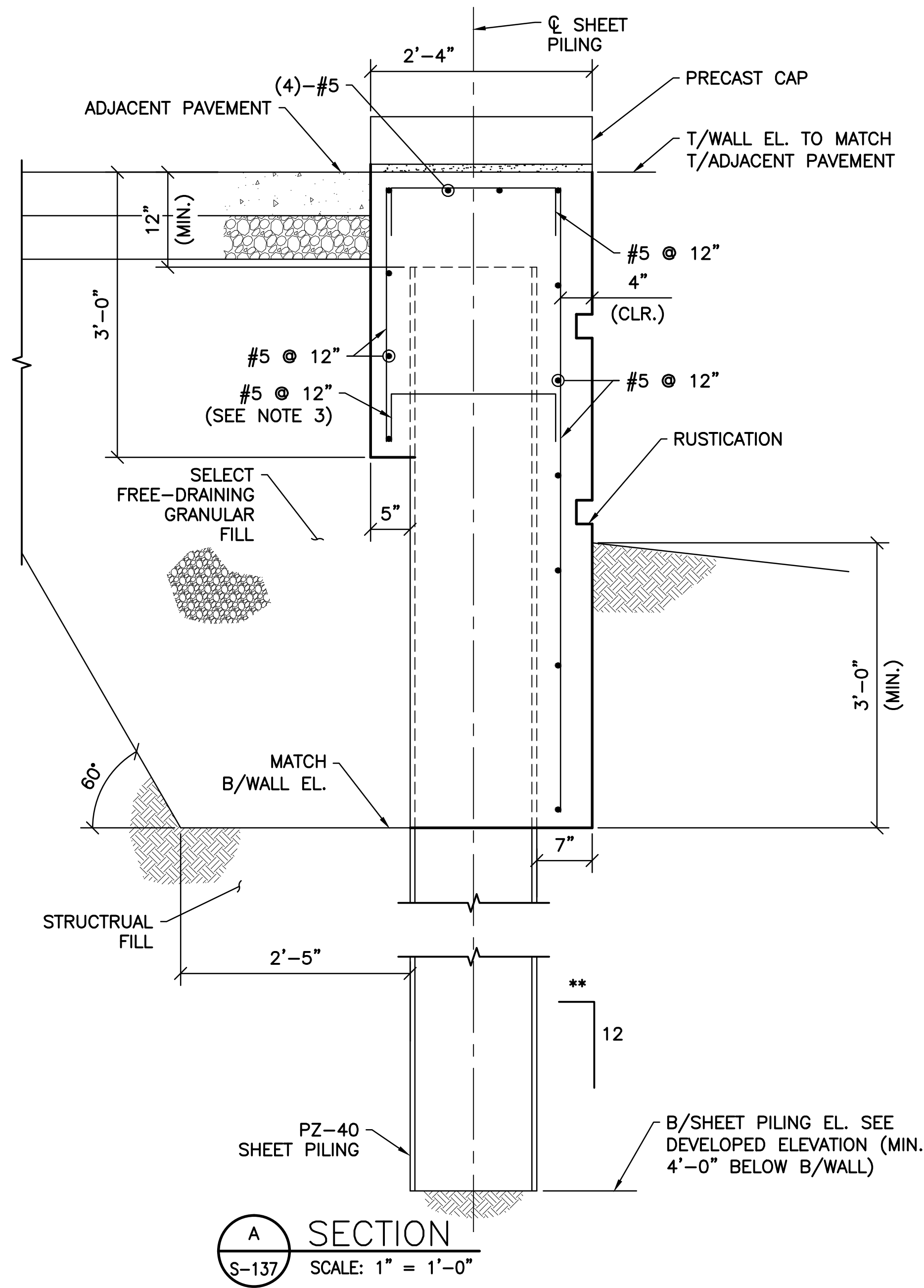
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LANDSCAPE ARCHITECTURE + URBAN PLANNING

RW-18 PLAN AND DEVELOPED ELEVATION

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
INSPECTOR			
AGREEMENT	COMPLETED		
RPD	CKD	GLD	CON. DR.
INDEX DETAIL	RECORD FILE		

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-137
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

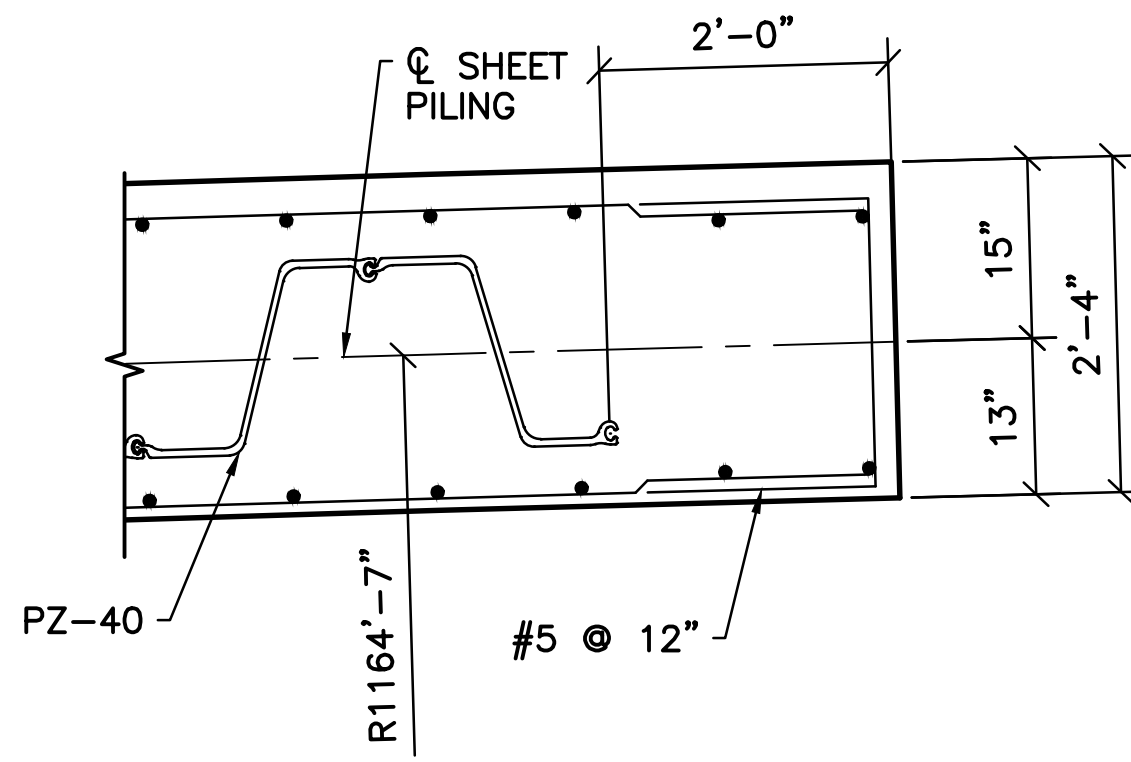
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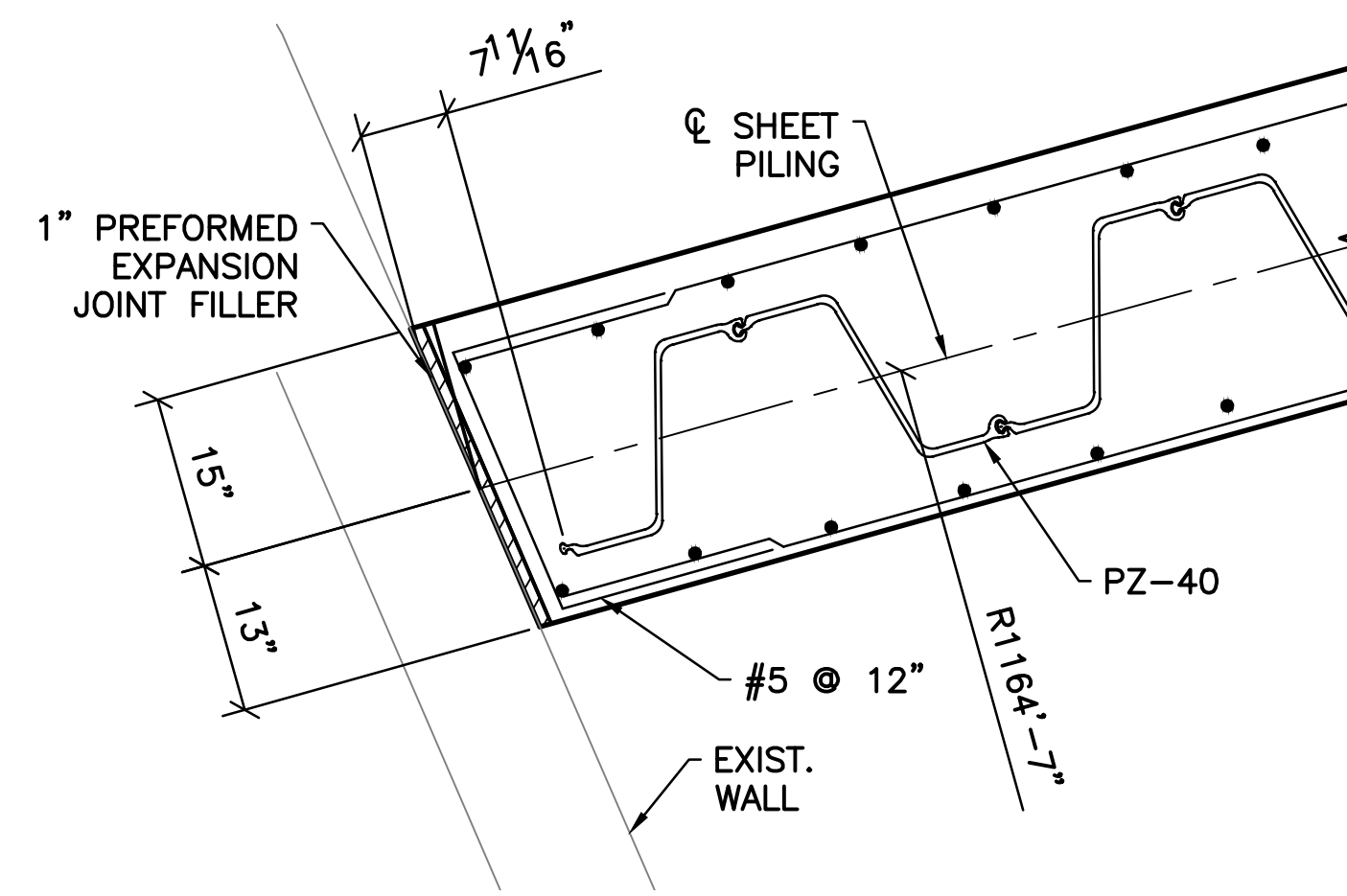
A SECTION
S-137 SCALE: 1" = 1'-0"

NOTES:

1. SEE SHEET S-137 FOR ELEVATION.
 2. RAILING NOT SHOWN FOR CLARITY.
 3. BURN HOLES IN SHEET PILING TO PASS REINFORCING.
- ** BATTER SHEET PILE AT 1/8" PER 12" TO ACCOMMODATE DEFLECTION IN WALL. PLACE FILL BEHIND WALL PRIOR TO PLACEMENT OF CONCRETE.



1 DETAIL
S-137 SCALE: 3/4" = 1'-0"



2 DETAIL
S-137 SCALE: 3/4" = 1'-0"

SHEET NOTES:

1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
2. SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR ADJACENT PAVEMENT, PRECAST CAP, AND RUSTICATION DETAILS.

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EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER		GRANTOR
	VOL.	PAGE	

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PREPARED BY:

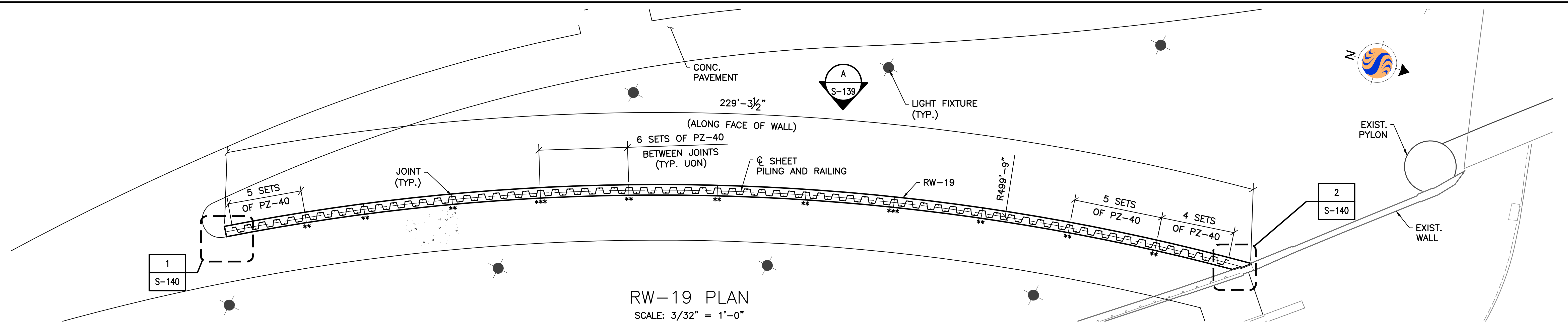
Stantec Consulting Services Inc.
1500 Lake Shore Drive, Suite 100
Columbus, Ohio 43204
(614) 486-4383
(614) 486-4387

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LANDSCAPE ARCHITECTURE + URBAN PLANNING

RW-18 SECTION AND DETAILS

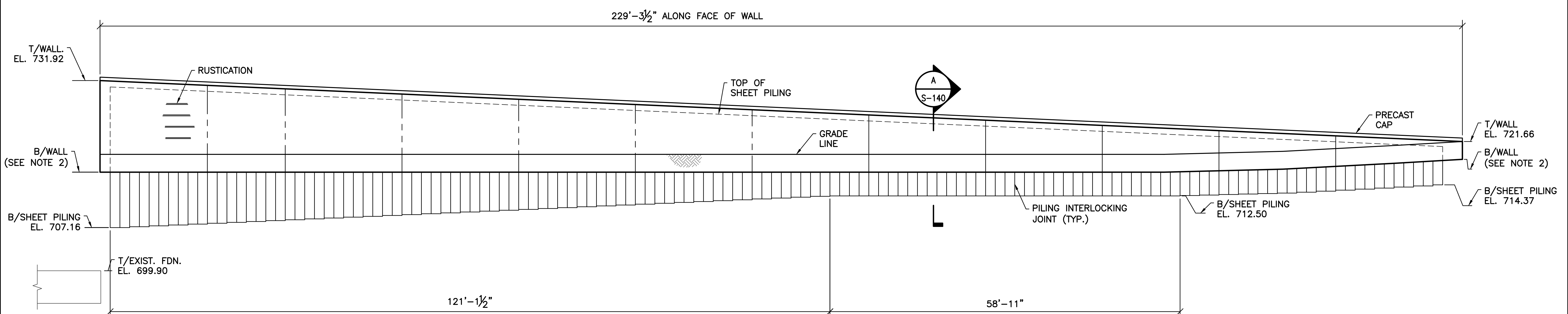
PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
		AGREEMENT	COMPLETED
		RPD	CKD
		GLD	CON. DR.
		INDEX	RECORD
		DETAIL	FILE

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-138
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



RW-19 PLAN
SCALE: 3/32" = 1'-0"

NOTE:
1. DESIGN LL = 250 PSF.



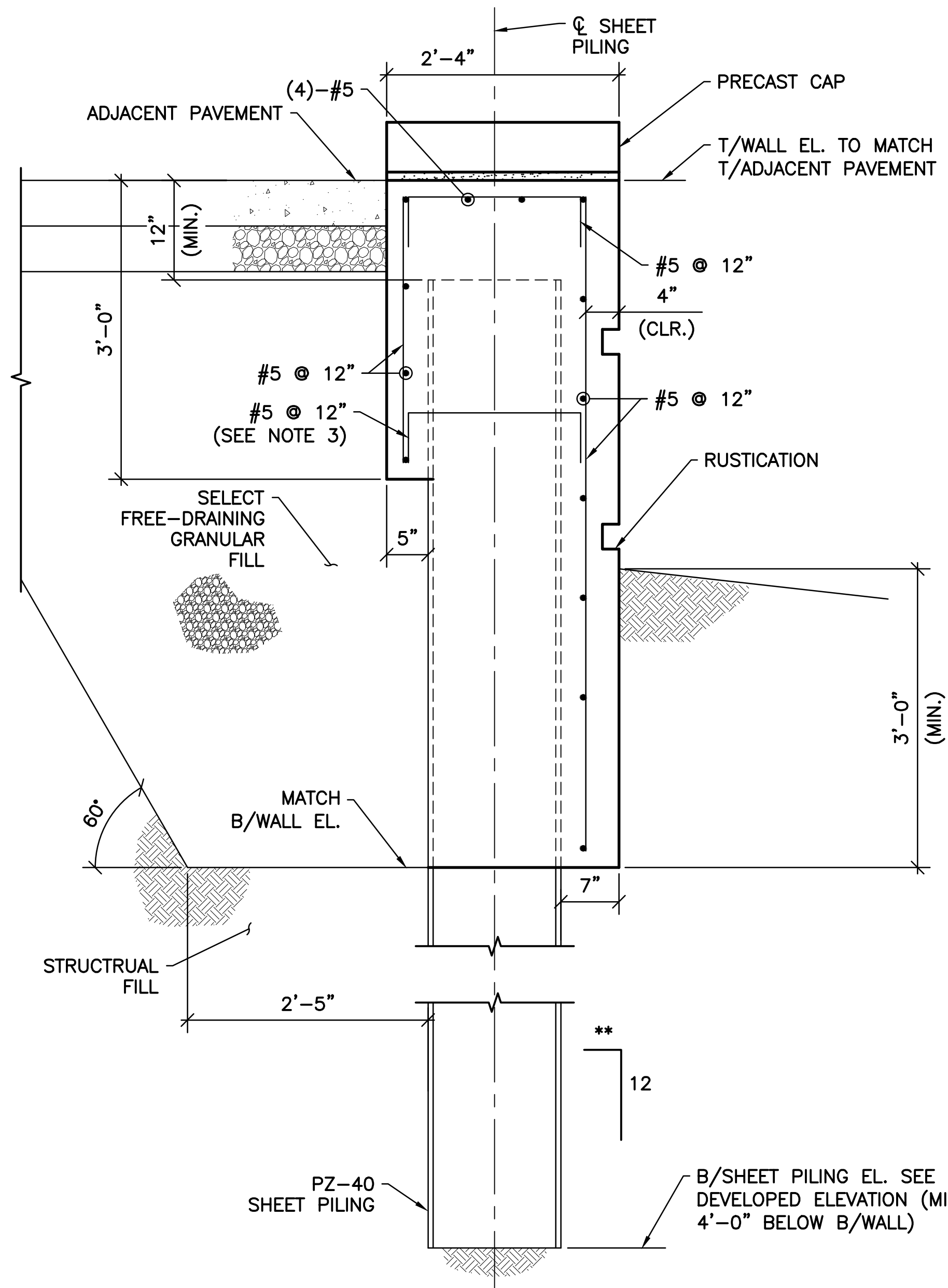
RW-19 DEVELOPED ELEVATION
SCALE: 1/8" = 1'-0"

NOTES:
1. CONTRACTOR TO LINEALLY INTERPOLATE B/SHEET PILING ELEVATIONS BETWEEN GIVEN ELEVATION.
2. B/WALL EL. TO BE MIN. 3'-0" BELOW GRADE.

SHEET NOTES:
1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
2. SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR PRECAST CAP, LIGHT FIXTURES, RUSTICATION, AND PAVEMENT DETAILS.
** JOINT TYPE "A"
*** JOINT TYPE "B"

EASEMENT REFERENCE			REVISIONS			PREPARED BY: Stantec Consulting Services Inc. 1500 Lake Shore Drive, Suite 100 Columbus, Ohio 43204 (614) 486-4383 (614) 486-4387	PROJECT TITLE: COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO	CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>			
CITY NO.	COUNTY RECORDER VOL. PAGE	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE			DIVISION USE ONLY	OWNER	SCALE: AS NOTED	SHEET: S-139
							RW-19 PLAN AND DEVELOPED ELEVATION	CONTRACTOR		CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.
								INSPECTOR			
								AGREEMENT RPD CKD	COMPLETED GLD CON. DR.		
								INDEX DETAIL	RECORD FILE		

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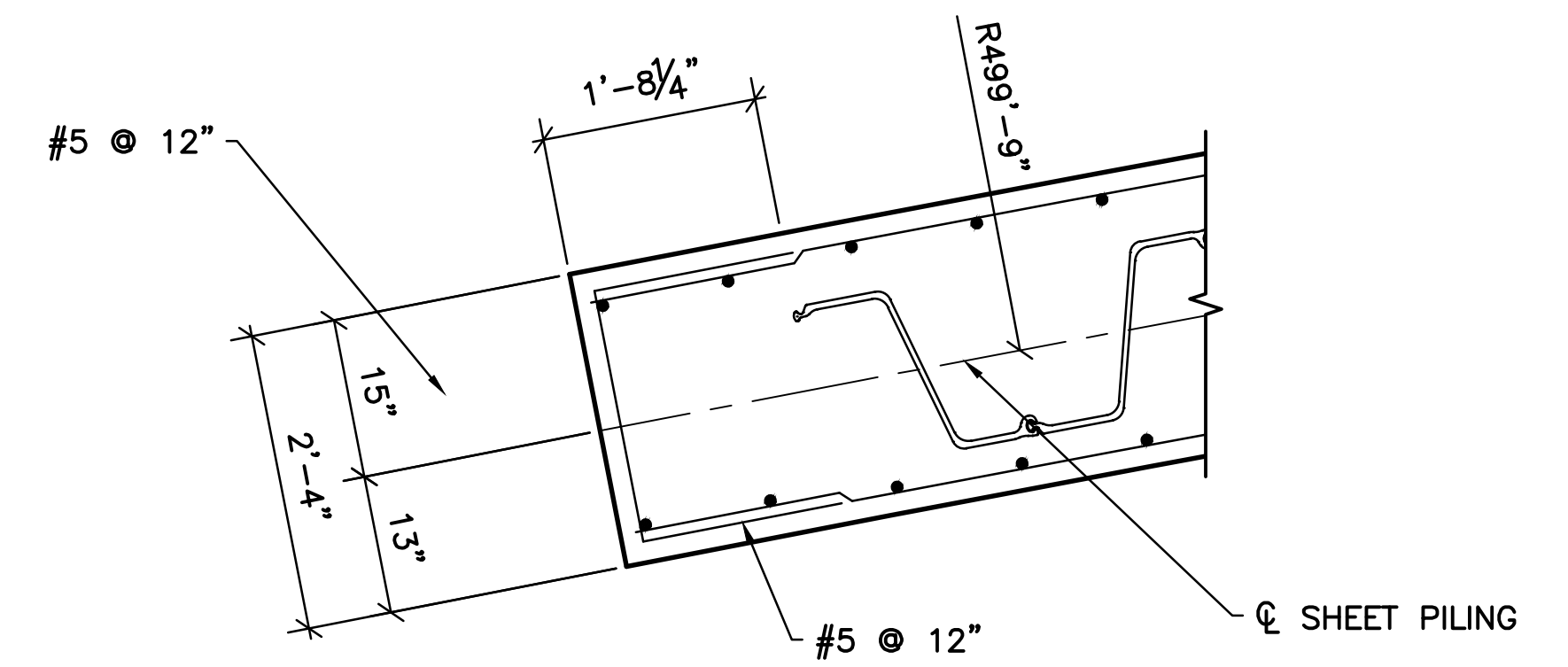


A SECTION
S-139 SCALE: 1" = 1'-0"

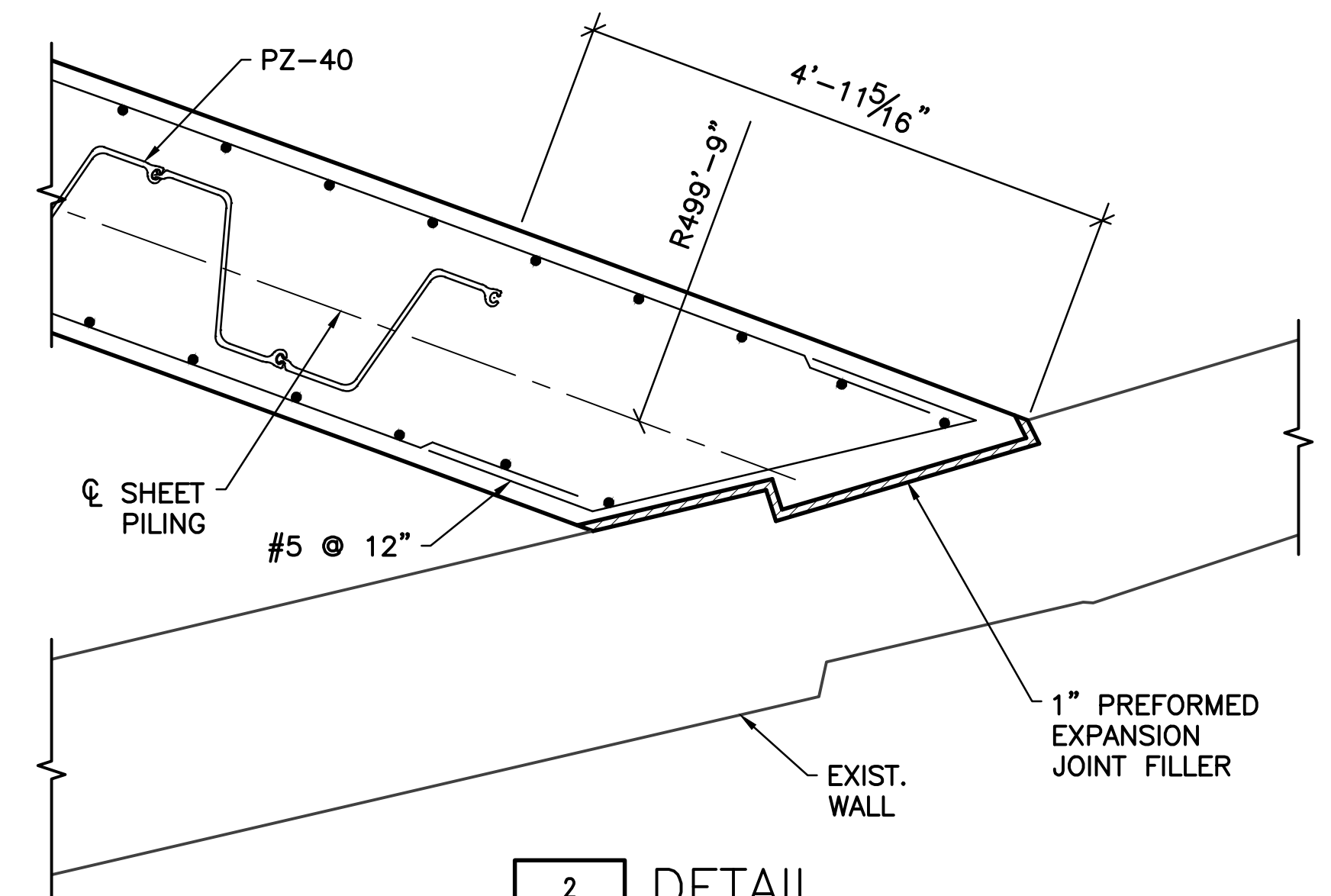
NOTES:

- SEE SHEET S-139 FOR ELEVATION.
- RAILING NOT SHOWN FOR CLARITY.
- BURN HOLES IN SHEET PILING TO PASS REINFORCING.

** BATTER SHEET PILE AT $\frac{1}{8}$ " PER 12" TO ACCOMMODATE DEFLECTION IN WALL. PLACE FILL BEHIND WALL PRIOR TO PLACEMENT OF CONCRETE.



1 DETAIL
S-139 SCALE: 3/4" = 1'-0"



2 DETAIL
S-139 SCALE: 3/4" = 1'-0"

SHEET NOTES:

- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
- SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR ADJACENT PAVEMENT, PRECAST CAP, AND RUSTICATION DETAILS.

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EASEMENT REFERENCE			GRANTOR
CITY NO.	COUNTY RECORDER VOL. PAGE		

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PREPARED BY:

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1500 Lake Shore Drive, Suite 100
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(614) 486-4383
(614) 486-4387

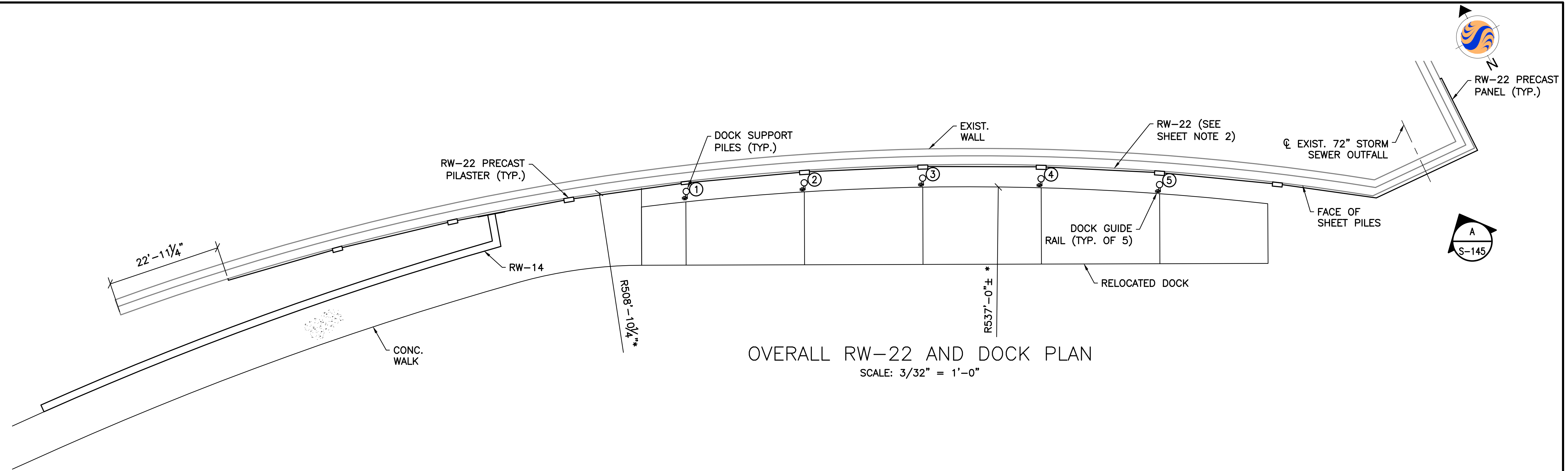
Stantec

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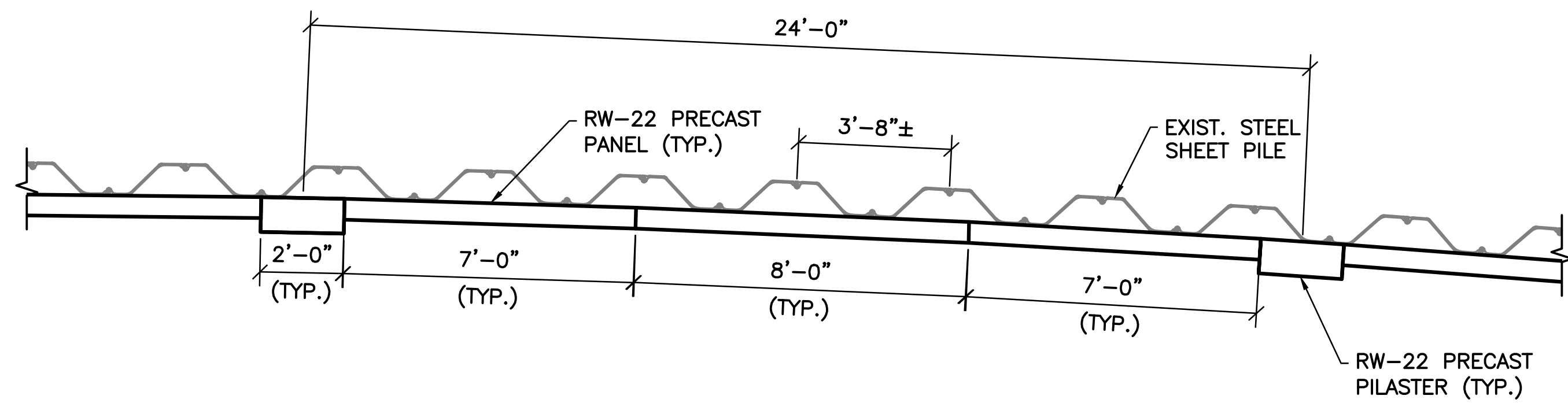
RW-19 SECTIONS AND DETAILS

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
		AGREEMENT COMPLETED	
		RPD CKD GLD CON. DR.	
		INDEX RECORD	
		DETAIL FILE	

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-140
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



OVERALL RW-22 AND DOCK PLAN
SCALE: 3/32" = 1'-0"



TYPICAL PRECAST PLAN UNO
SCALE: 3/8" = 1'-0"

- NOTE:
- SEE ADDITIONAL PRECAST DETAILS AT 72" STORM SEWER OUTFALL.

- SHEET NOTES:
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE S-101, S-102, AND S-103.
 - FOR LIMITS OF RW-22 SEE LANDSCAPE ARCHITECTURE DRAWINGS.
 - ALL DOCK SUPPORT PILES ARE 16" DIA. x 5/8" THICK CAST-IN-PLACE NON-REINFORCED CONCRETE PILES.
 - MAXIMUM ALLOWABLE LATERAL CAPACITY OF THE DOCK SUPPORT PILES = 12 KIPS.
 - MAXIMUM ALLOWABLE DOCK SUPPORT PILE DEFLECTION IS 4.67" AT TOP OF PILE.

EASEMENT REFERENCE			
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	VOL.	PAGE	

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(614) 486-4387

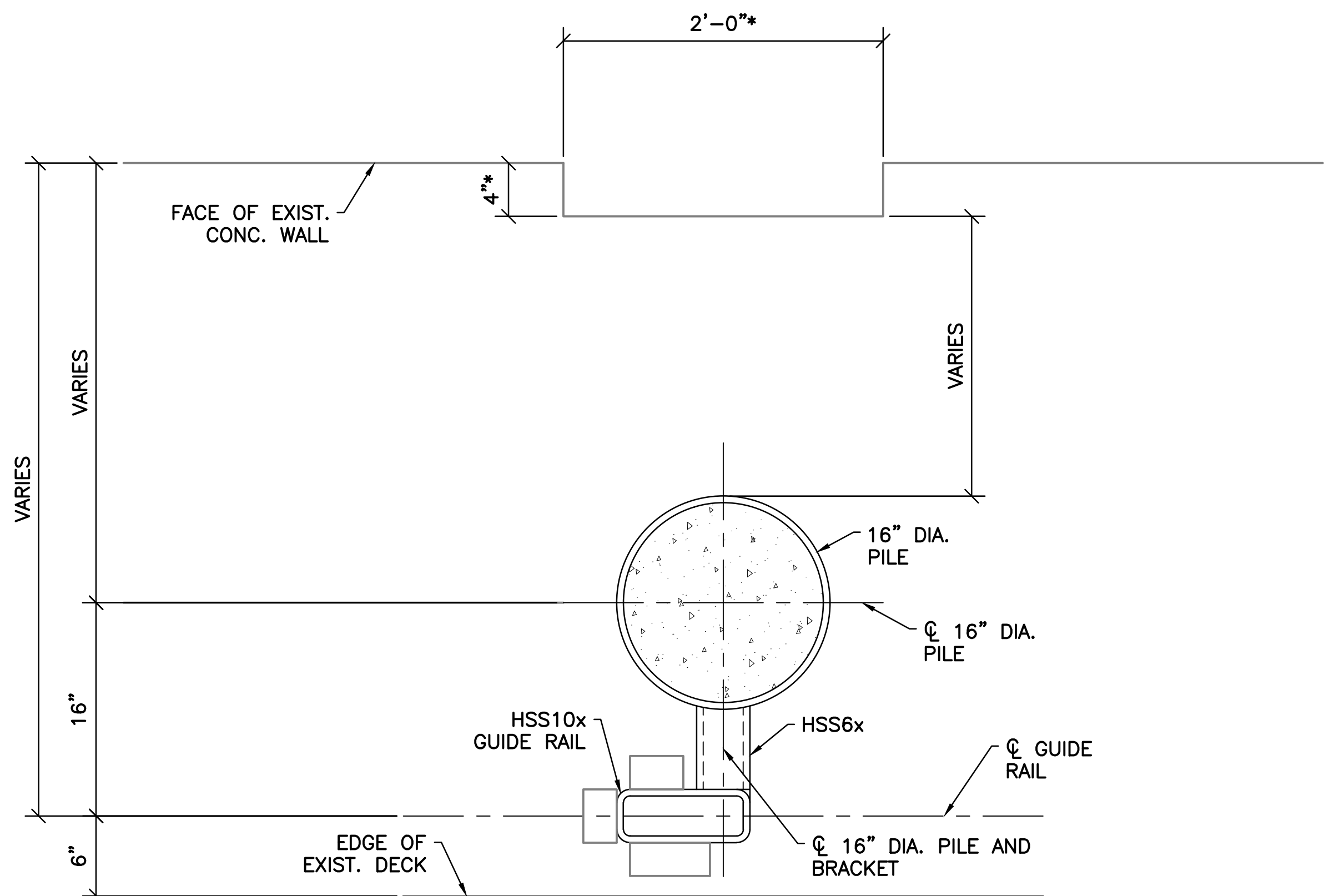
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RW-22 AND DOCK PLAN

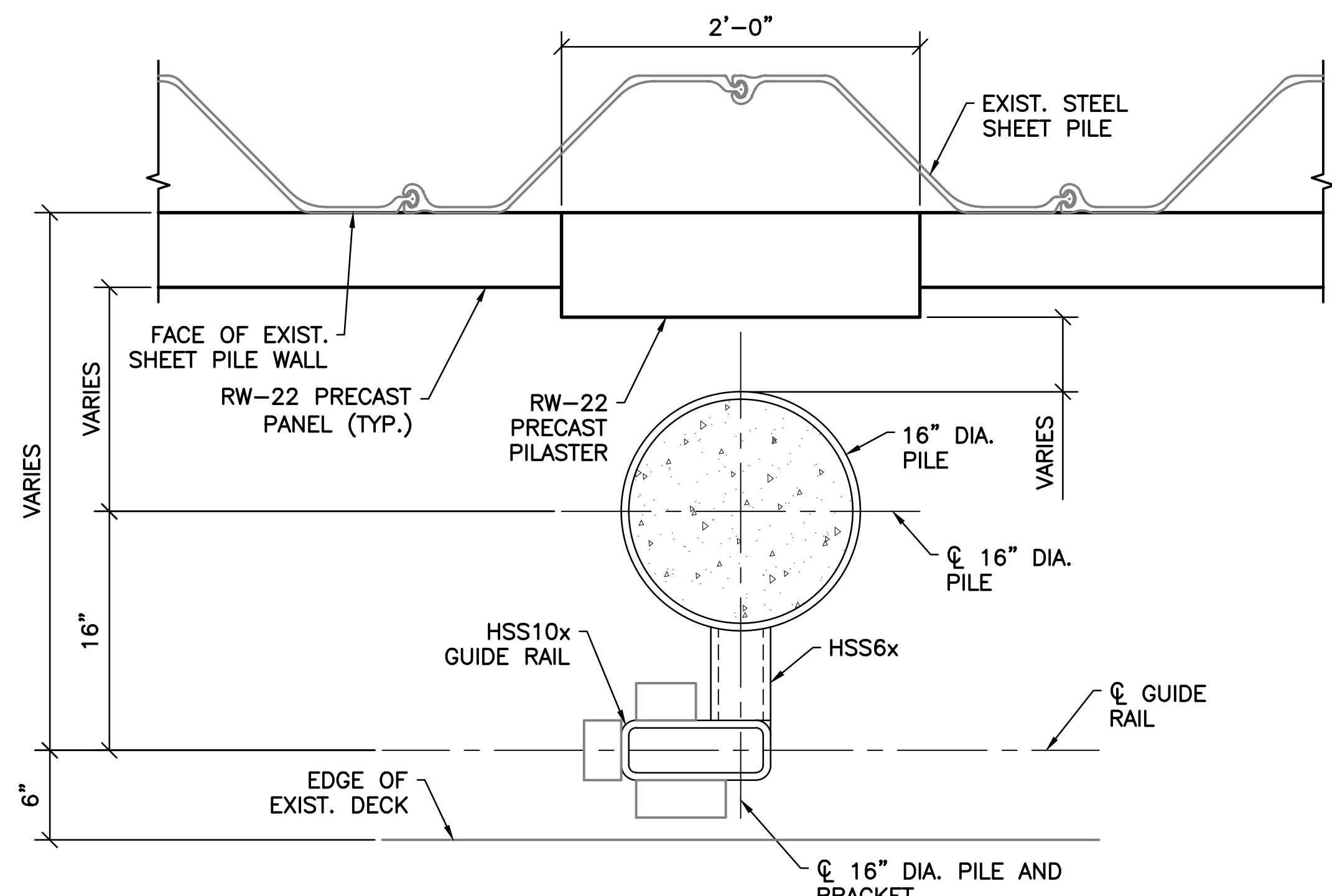
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COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT		COMPLETED	
RPD	CKD	GLD	CON. DR.
INDEX DETAIL		RECORD FILE	

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-141
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

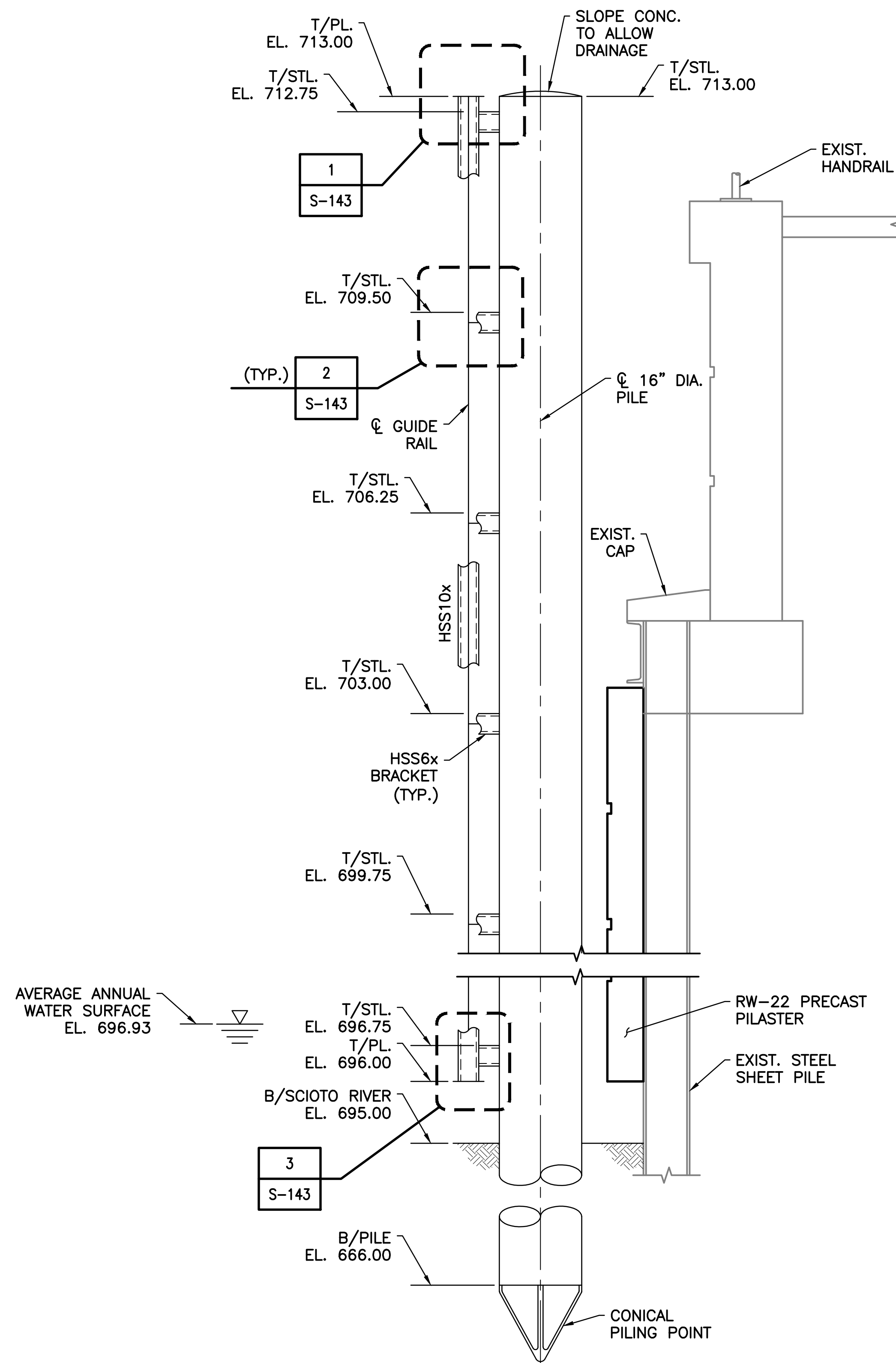
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PLAN @ EL. 709.50
SCALE: 1 1/2" = 1'-0"



PLAN @ EL. 703.00
SCALE: 1 1/2" = 1'-0"



TYPICAL ELEVATION
SCALE: 3/4" = 1'-0"

- SHEET NOTES:
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 - PROVIDE GALVANIZED AND PAINTED STRUCTURAL STEEL SHAPES AS NOTED:
 - ALL HSS10x = HSS10x4x5/8
 - ALL HSS6x = HSS6x4x3/8

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EASEMENT REFERENCE			GRANTOR
CITY NO.	COUNTY RECORDER VOL. PAGE		

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NO.	DESCRIPTION	APPROVAL/DATE

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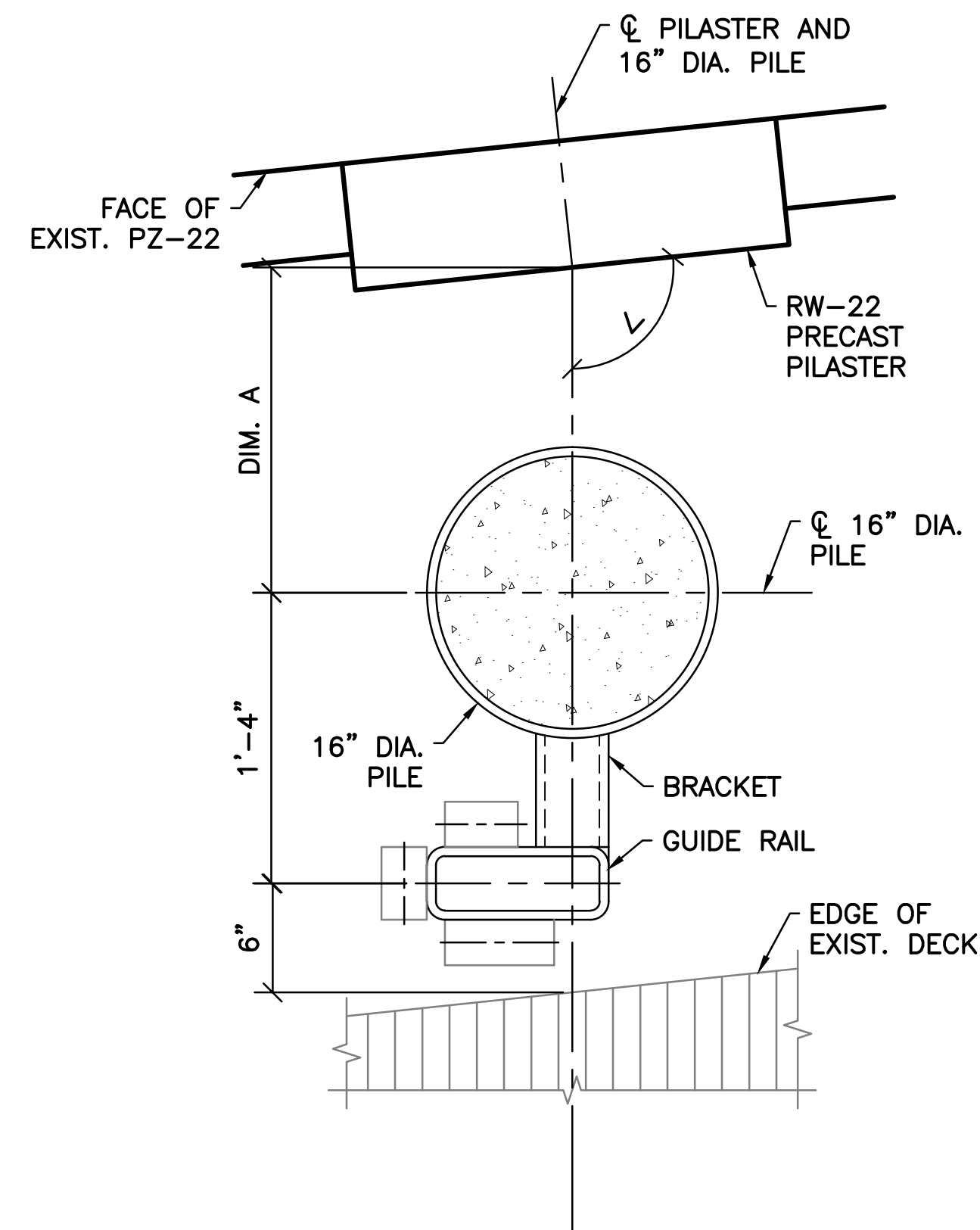
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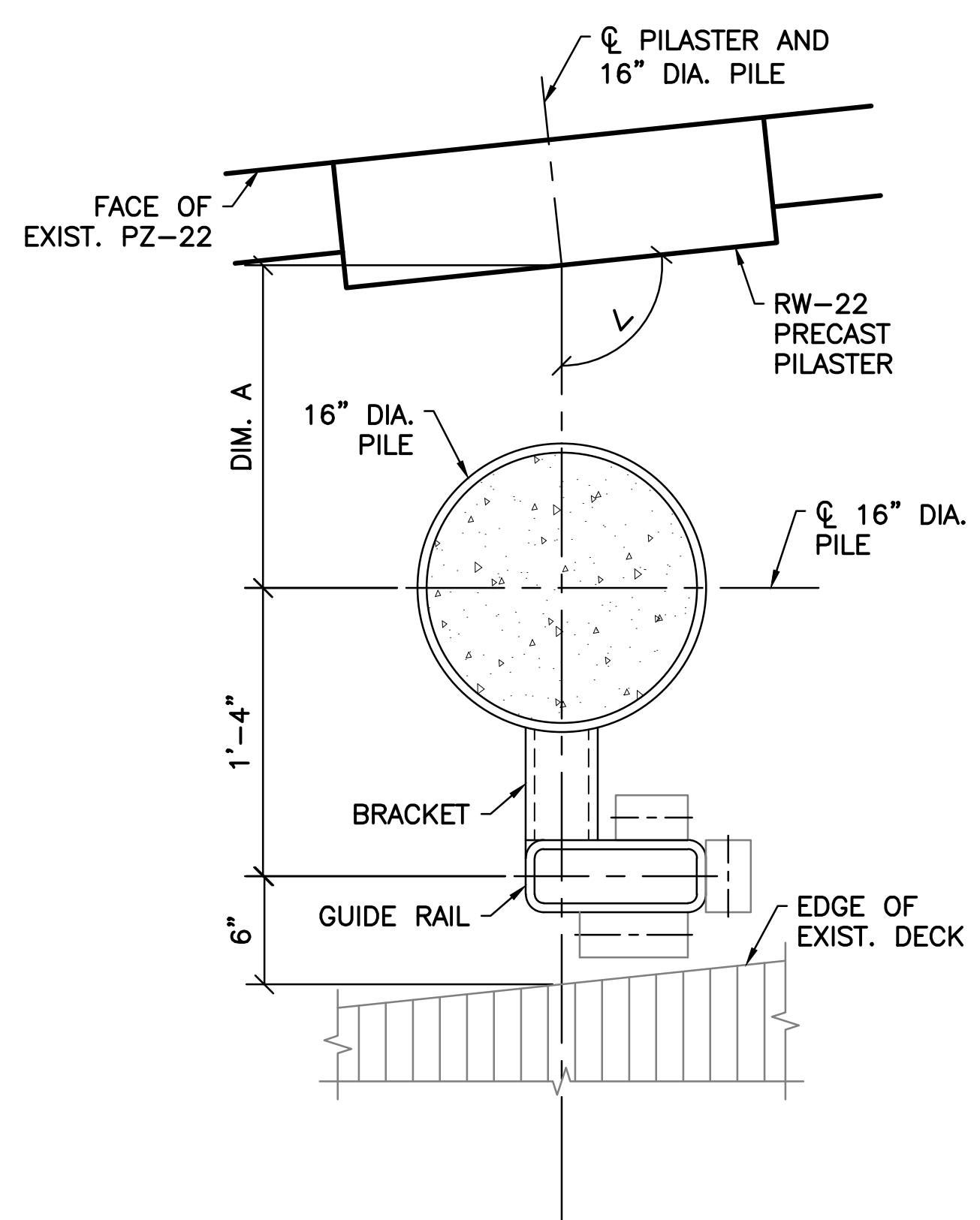
DOCK SUPPORT PLANS AND ELEVATION

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
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INDEX DETAIL	RECORD FILE		

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-142
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



LAYOUT A



LAYOUT B

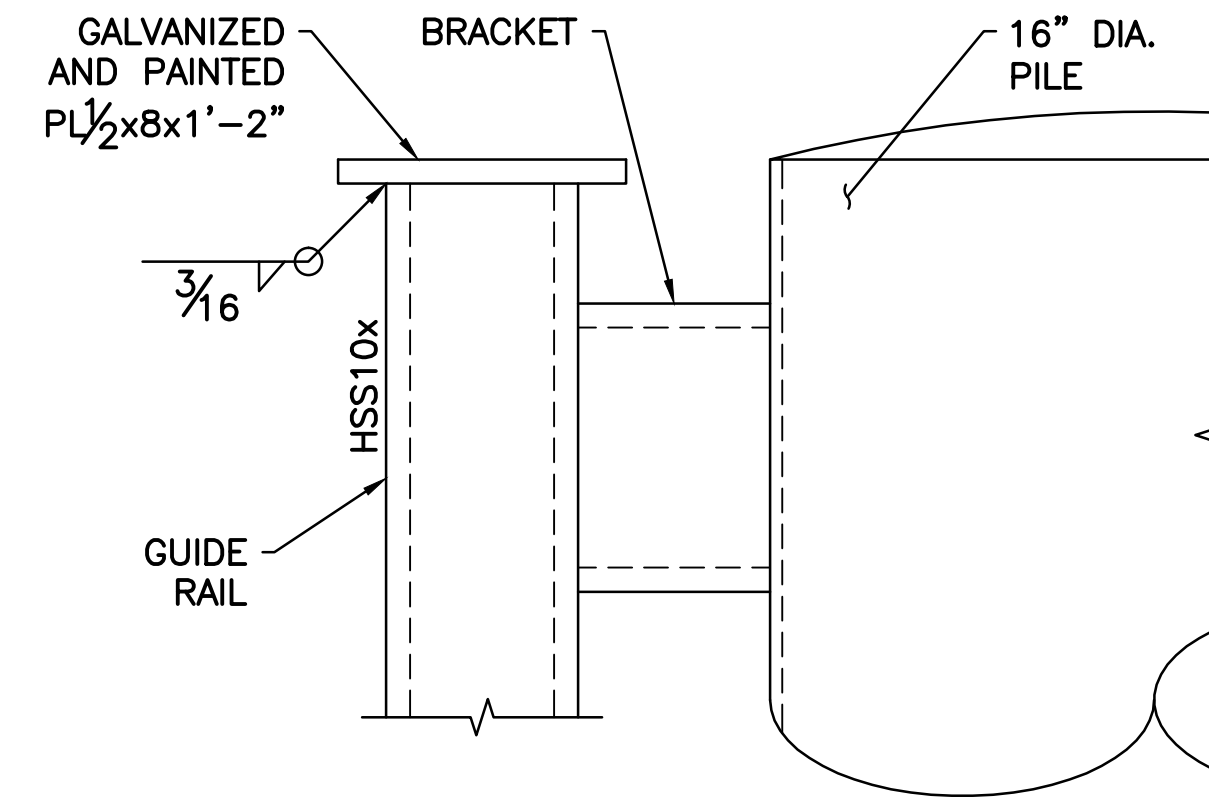
DOCK SUPPORT LAYOUT
SCALE: 1 1/2" = 1'

NOTES:

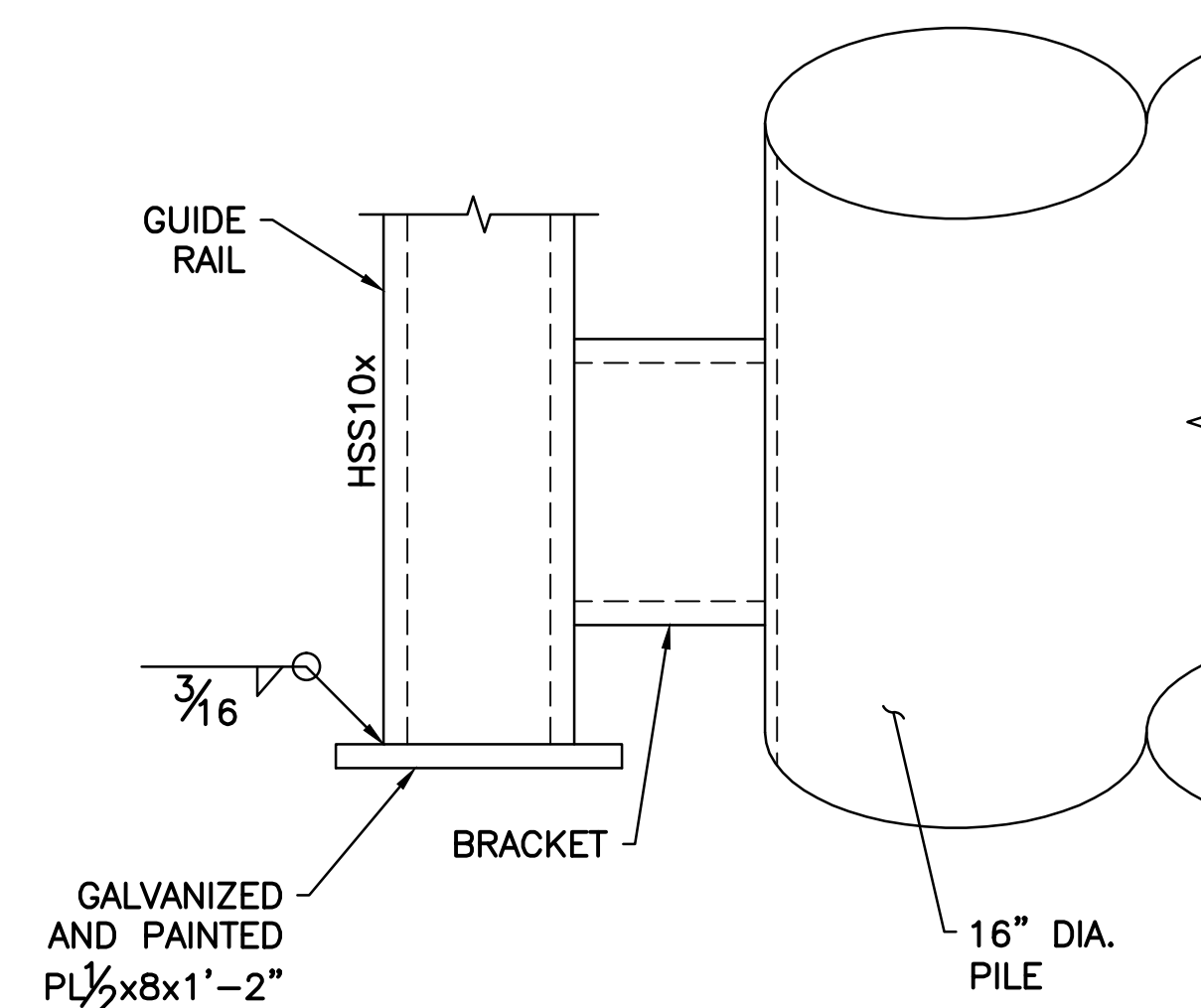
- LAYOUT A APPLIES TO PILE 1, PILE 3, AND PILE 5.
LAYOUT B APPLIES TO PILE 2 AND PILE 4.
- SEE DOCK SUPPORT TABLE FOR ADDITIONAL INFORMATION.

DOCK SUPPORT TABLE		
PILE NO.	DIM. A	ANGLE \angle
1	13"	96.6°
2	15"	93.9°
3	1'-6"	91.2°
4	1'-8"	88.6°
5	1'-11"	85.9°

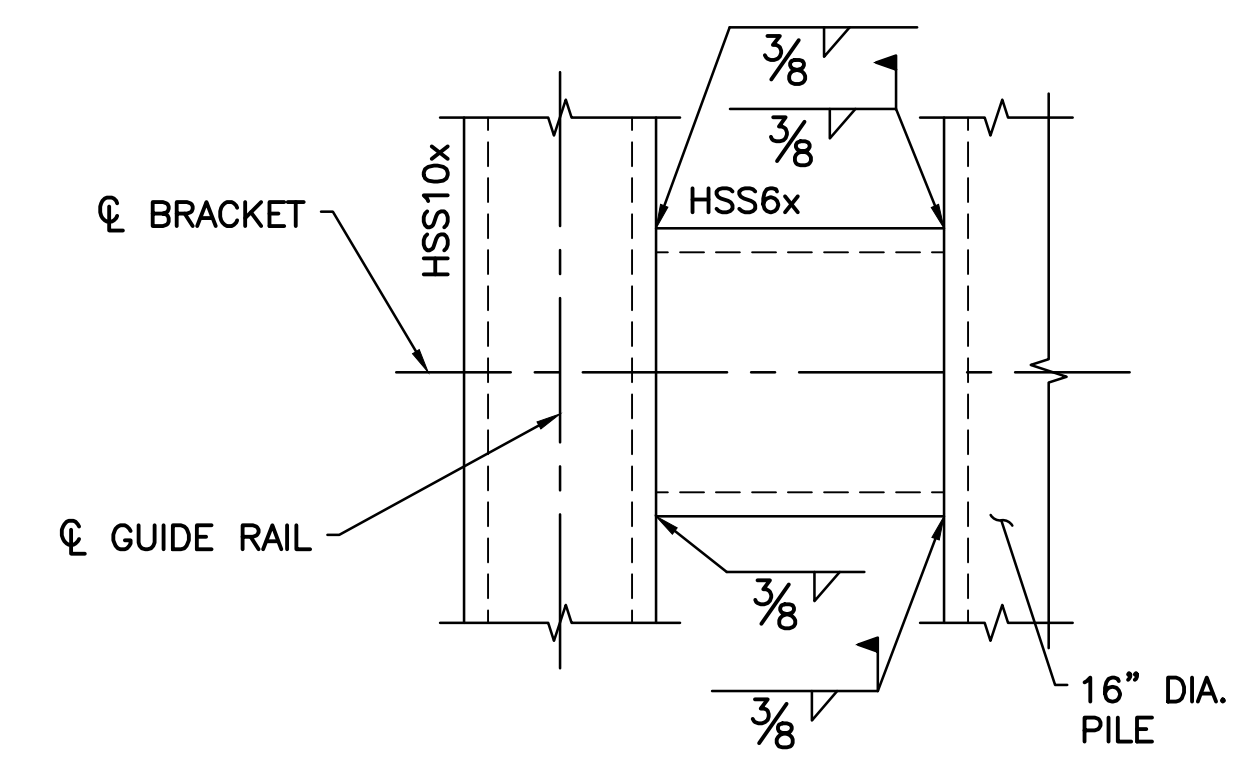
- CONTRACTOR SHALL FIELD VERIFY ALL DOCK SUPPORT LAYOUT DIMENSIONS PRIOR TO INSTALLATION OF PILES.



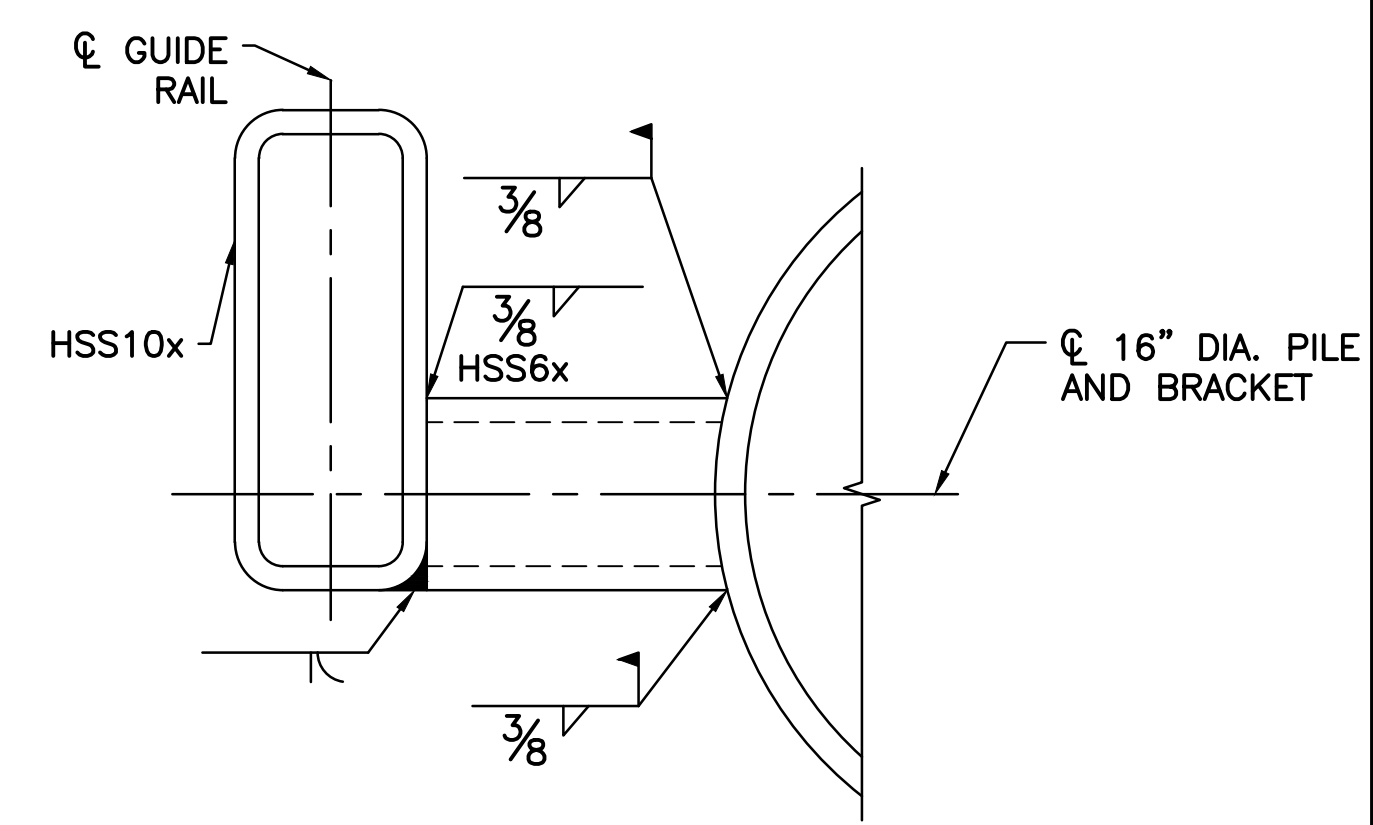
1 DETAIL
S-142 SCALE: 3" = 1'-0"



3 DETAIL
S-142 SCALE: 3" = 1'-0"



2 DETAIL
S-142 SCALE: 3" = 1'-0"



SHEET NOTE:

- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.

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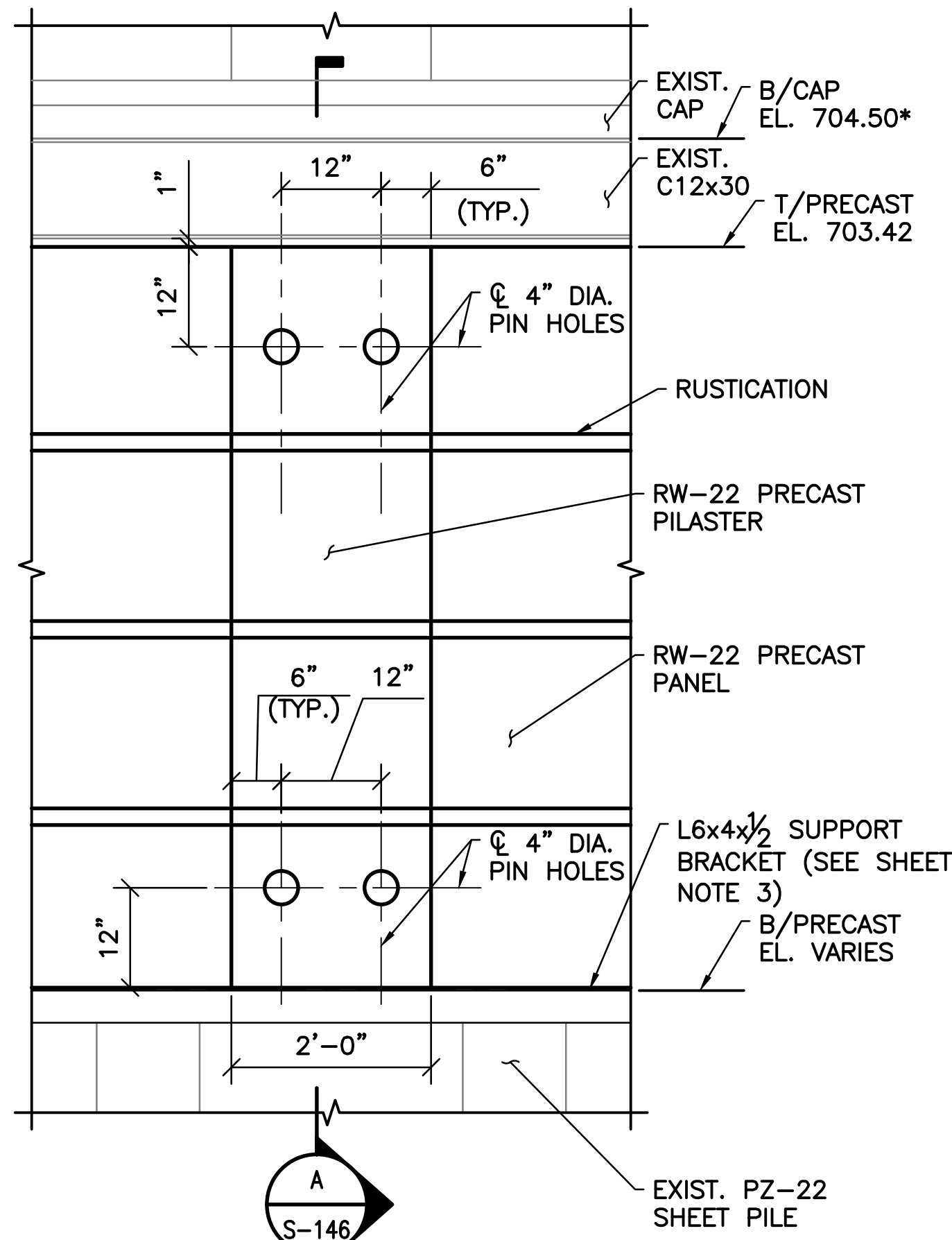

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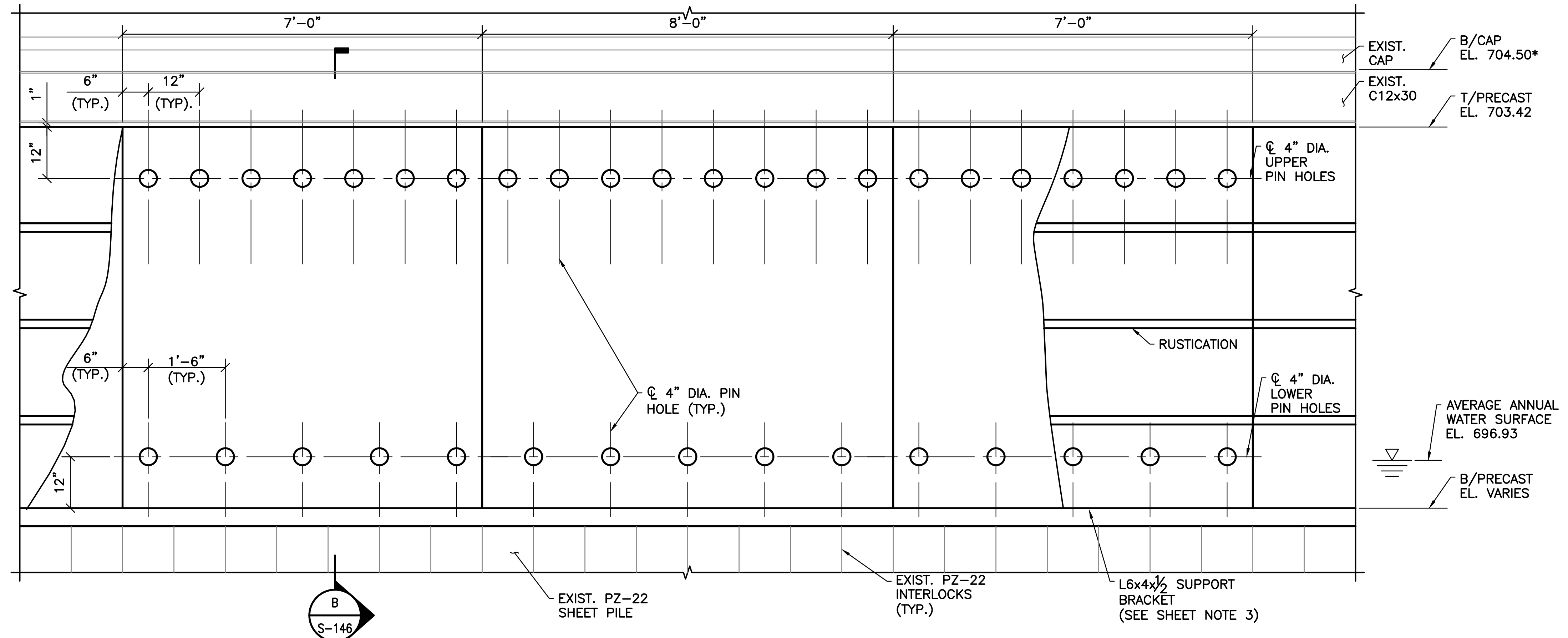
DOCK SUPPORT RAIL DETAILS

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
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		CONTRACTOR	
		INSPECTOR	
AGREEMENT		COMPLETED	
RPD	CKD	GLD	CON. DR.
INDEX DETAIL		RECORD FILE	

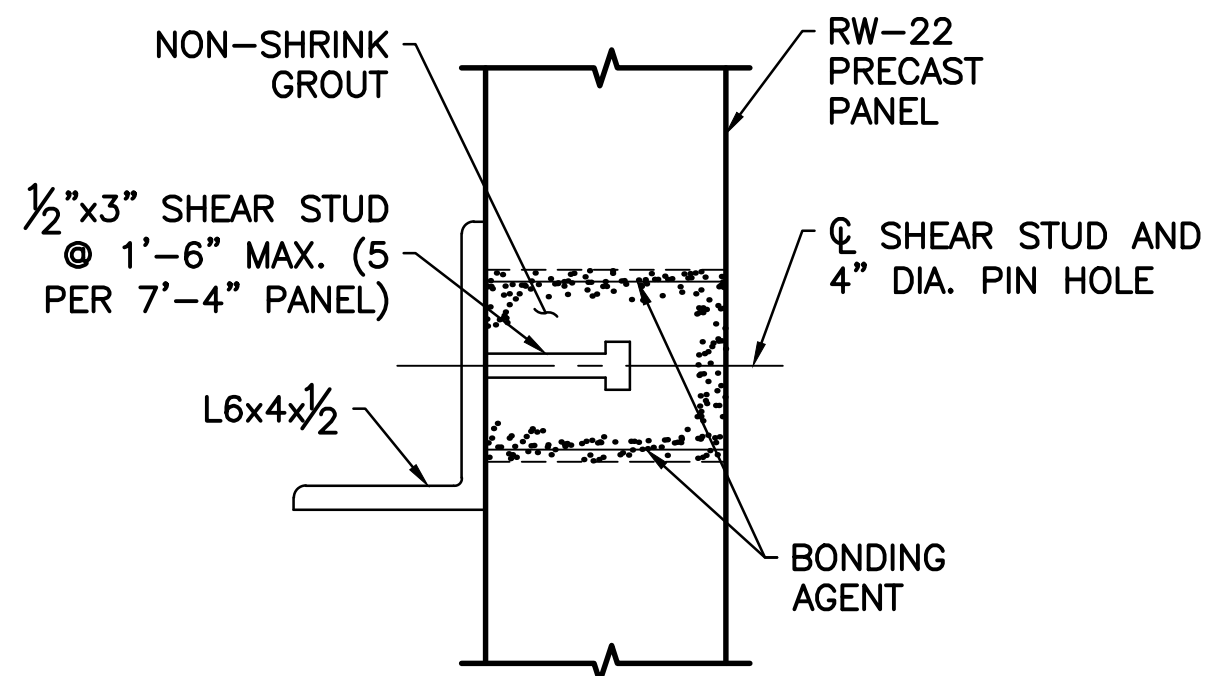
CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE	
<small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-143
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



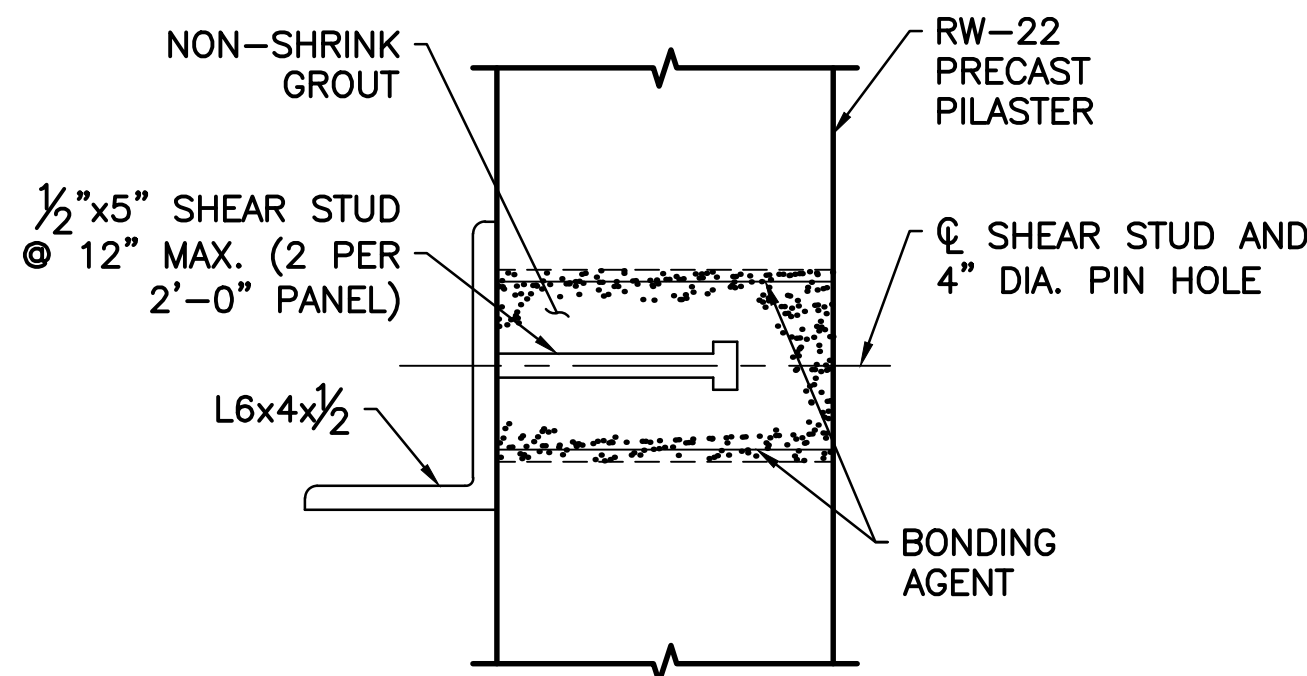
TYPICAL RW-22 PRECAST PILASTER ELEVATION
SCALE: 3/4" = 1'-0"



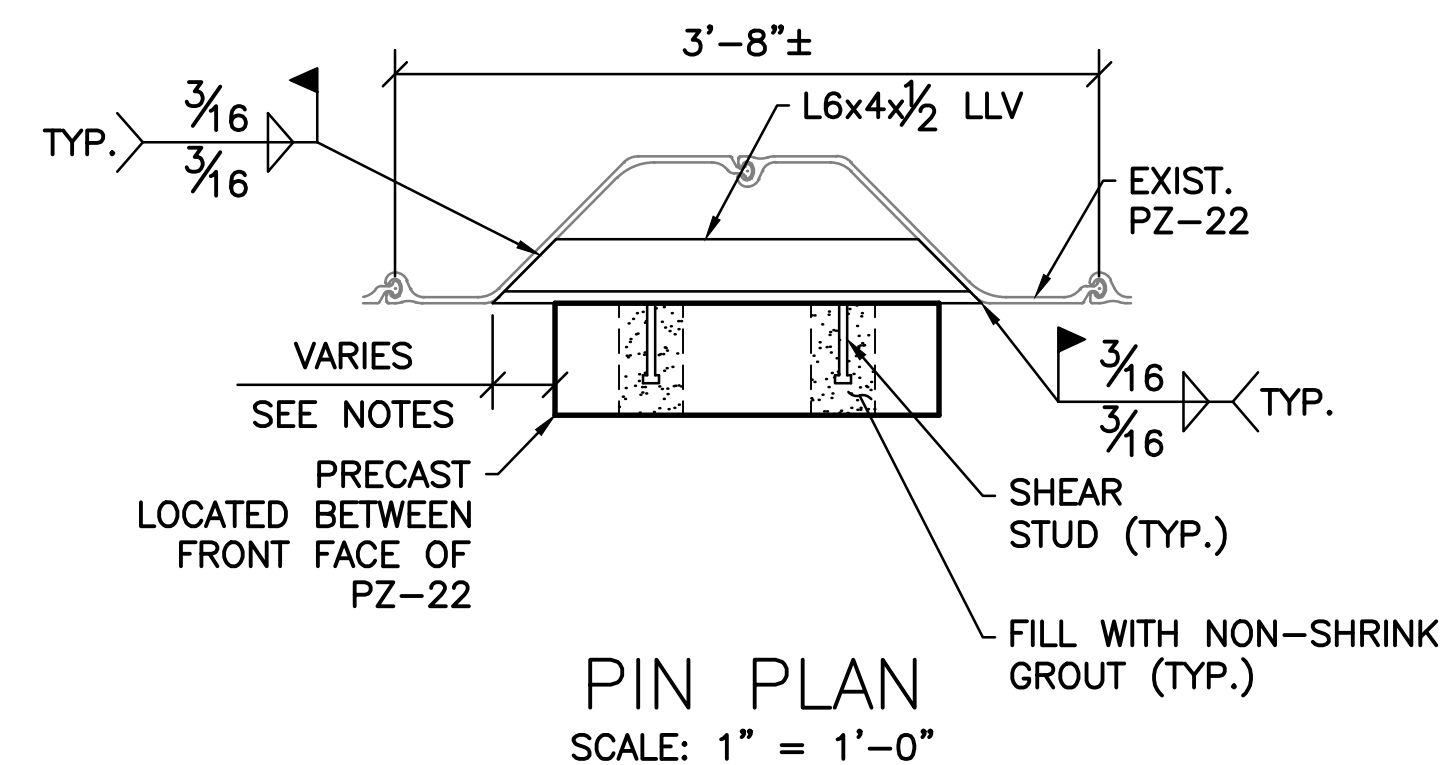
TYPICAL RW-22 PRECAST PANEL ELEVATION
SCALE: 3/4" = 1'-0"



PIN SECTION AT RW-22 PRECAST PANEL
SCALE: 3" = 1'-0"



PIN SECTION AT RW-22 PRECAST PILASTER
SCALE: 3" = 1'-0"



PIN PLAN
SCALE: 1" = 1'-0"

- NOTES:
1. WHEN PRECAST FALLS PARTIALLY ON FRONT FACE WELD ONE STUD TO FRONT FACE OF PZ-22 AND THE OTHER TO THE L6x4x1/2.
 2. IF PRECAST FALLS MAINLY ON FRONT FACE ADJUST STUD SPACING TO 8" C/C AND WELD BOTH STUDS TO FRONT FACE.

- SHEET NOTES:
1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 2. SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR CHANGE IN PRECAST BOTTOM ELEVATION AND RUSTICATION DETAILS.
 3. L6x4x1/2 SUPPORT BRACKET IS DISCONTINUOUS AT EXIST. PZ-22 INTERLOCKS.

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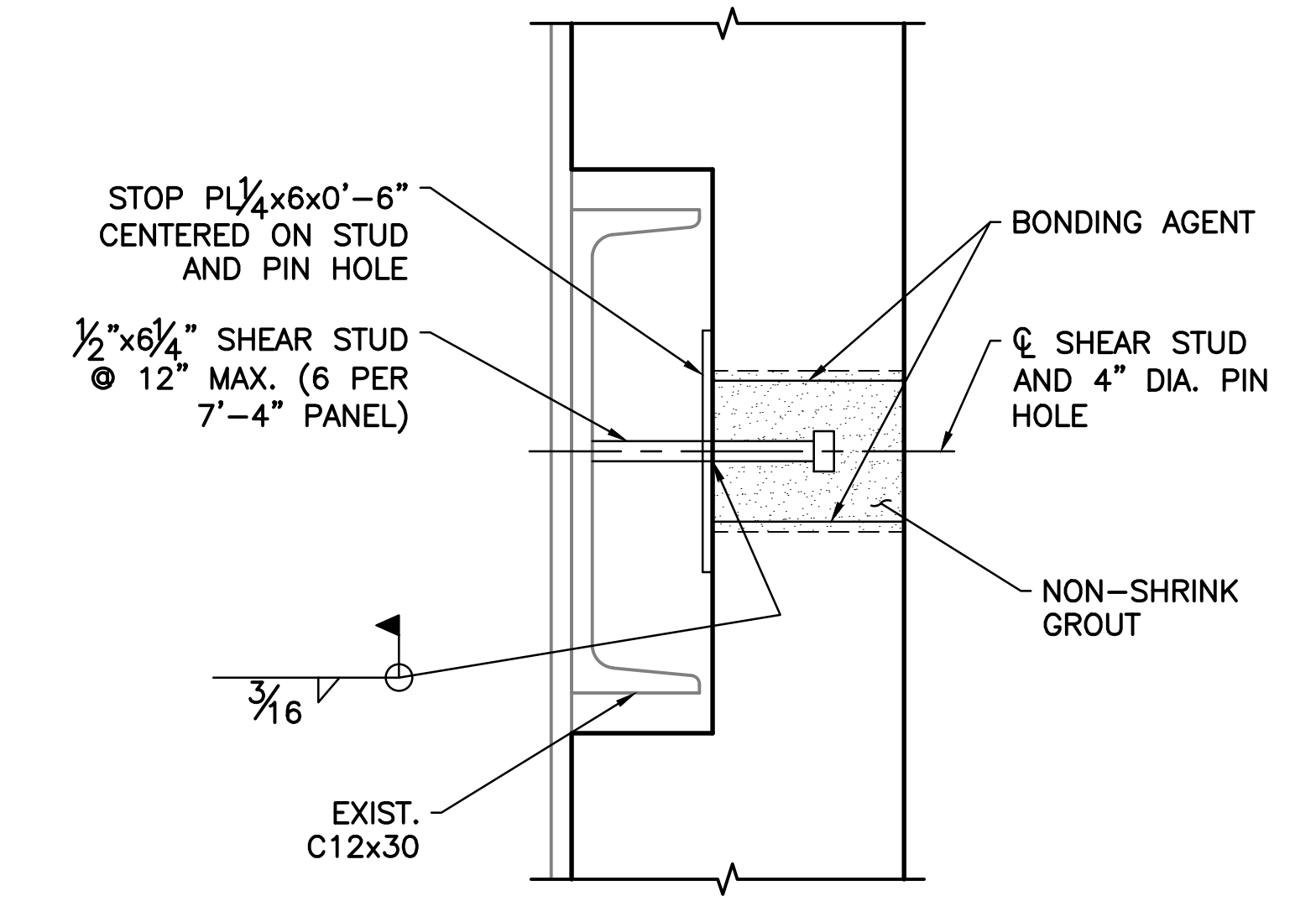
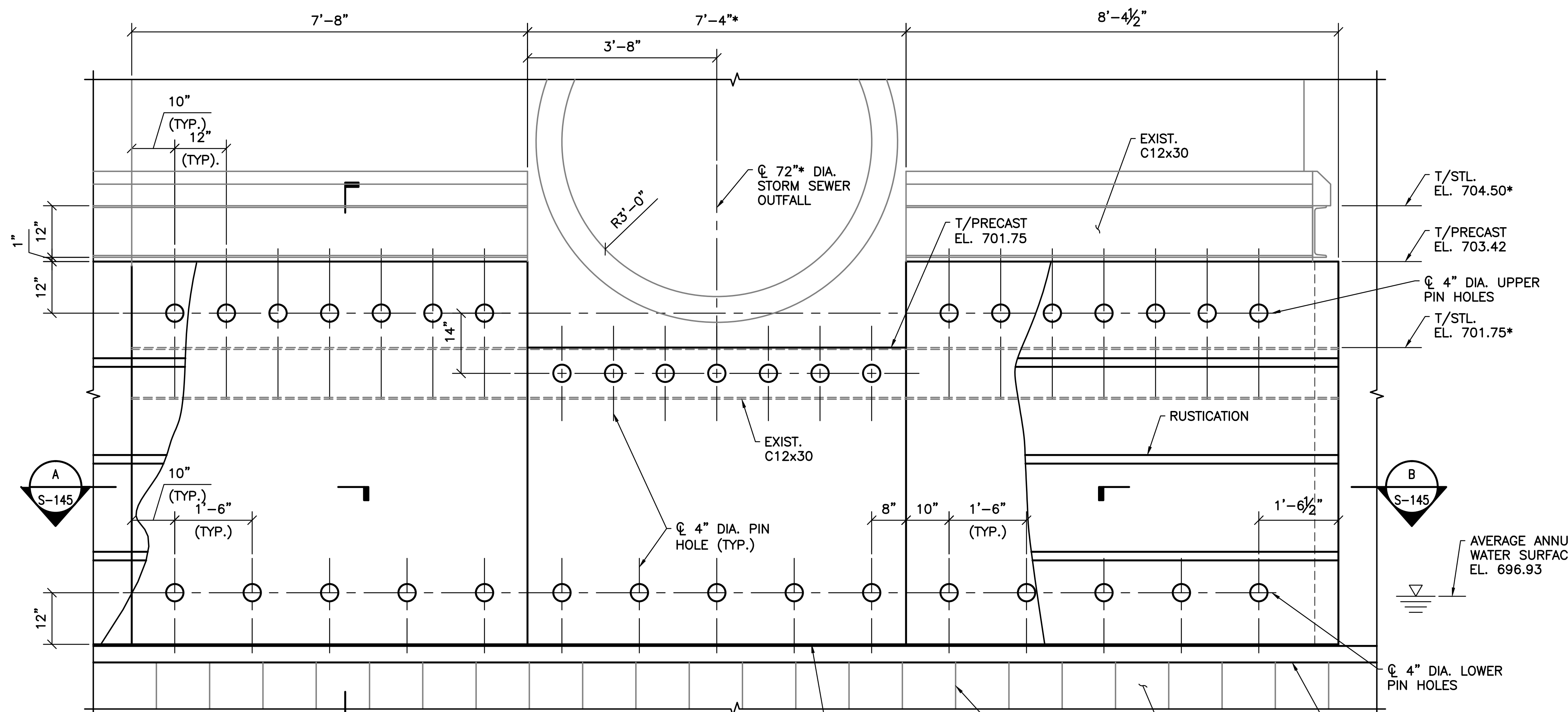
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RW-22 PRECAST TYPICAL ELEVATIONS AND DETAIL

PROJECT TITLE:			
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		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
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INDEX DETAIL	RECORD FILE		

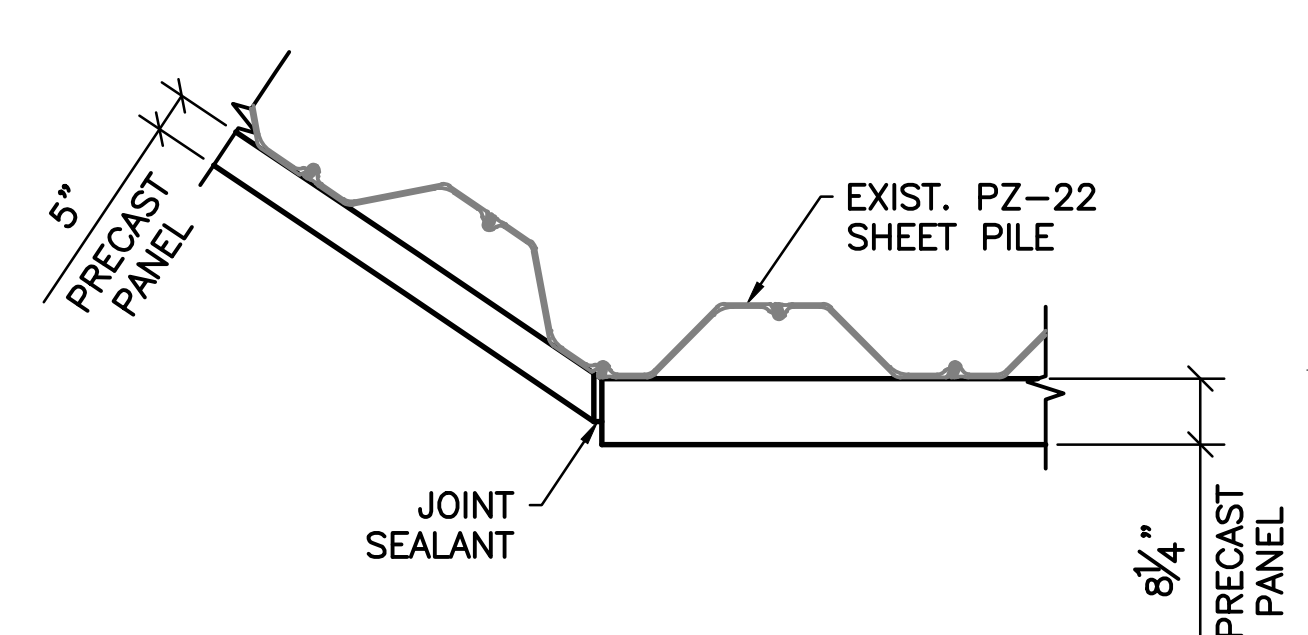
CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-144
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.



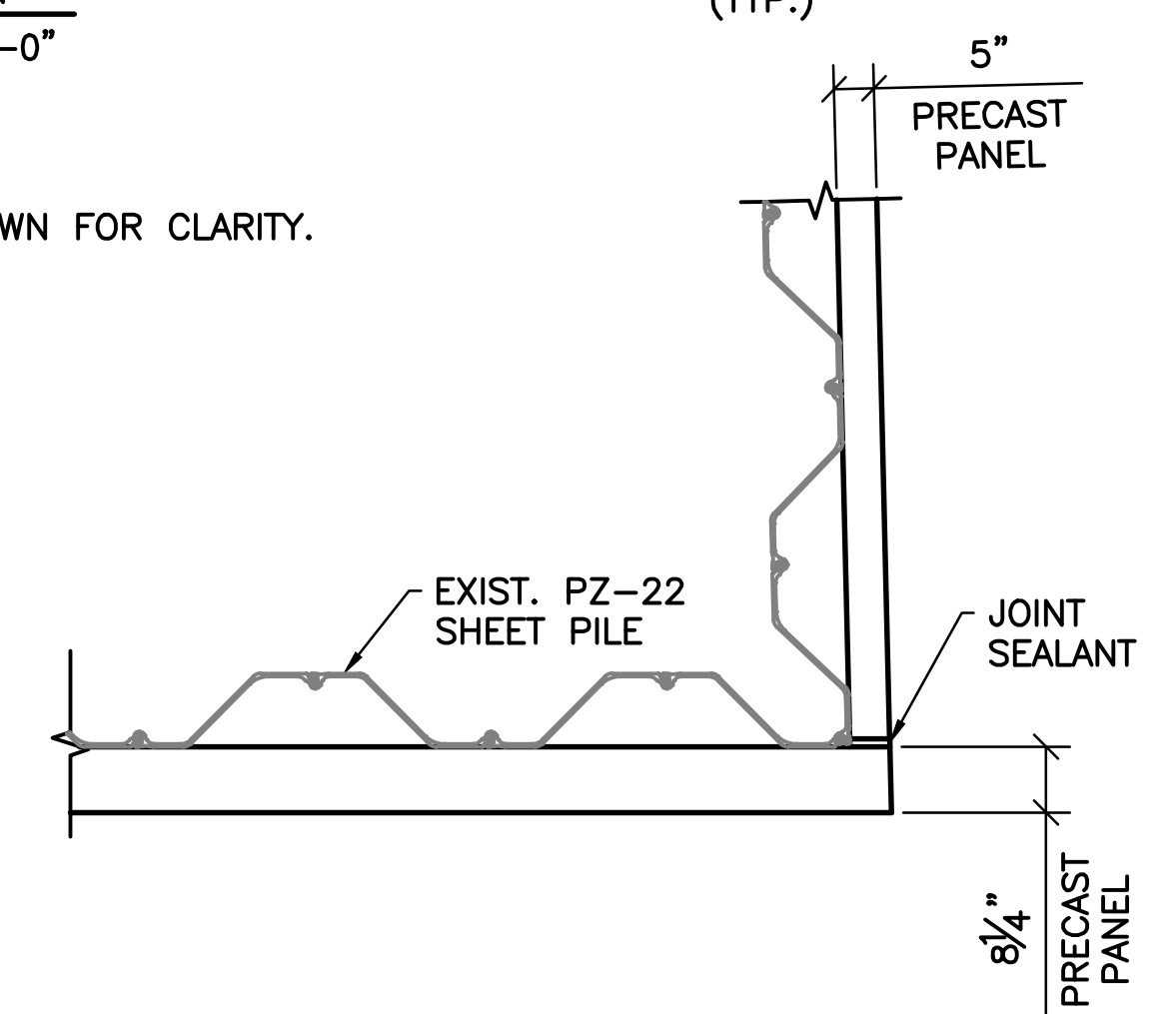
PIN SECTION AT EXIST C12x30
SCALE: 3" = 1'-0"

A ELEVATION
S-141 SCALE: 3/4" = 1'-0"

NOTE:
1. EXIST. FLAP VALVE NOT SHOWN FOR CLARITY.



A SECTION
S-145 SCALE: 1/2" = 1'-0"



B SECTION
S-145 SCALE: 1/2" = 1'-0"

- SHEET NOTES:
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 - SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR CHANGE IN PRECAST BOTTOM ELEVATION AND RUSTICATION DETAILS.
 - L6x6x1/2 SUPPORT BRACKET IS DISCONTINUOUS AT EXIST. PZ-22 INTERLOCKS.
 - FIELD VERIFY EXISTING WALL AND SEWER OUTFALL DIMENSIONS AND LOCATIONS PRIOR TO PREPARING SHOP DRAWINGS FOR PRECAST PANELS.

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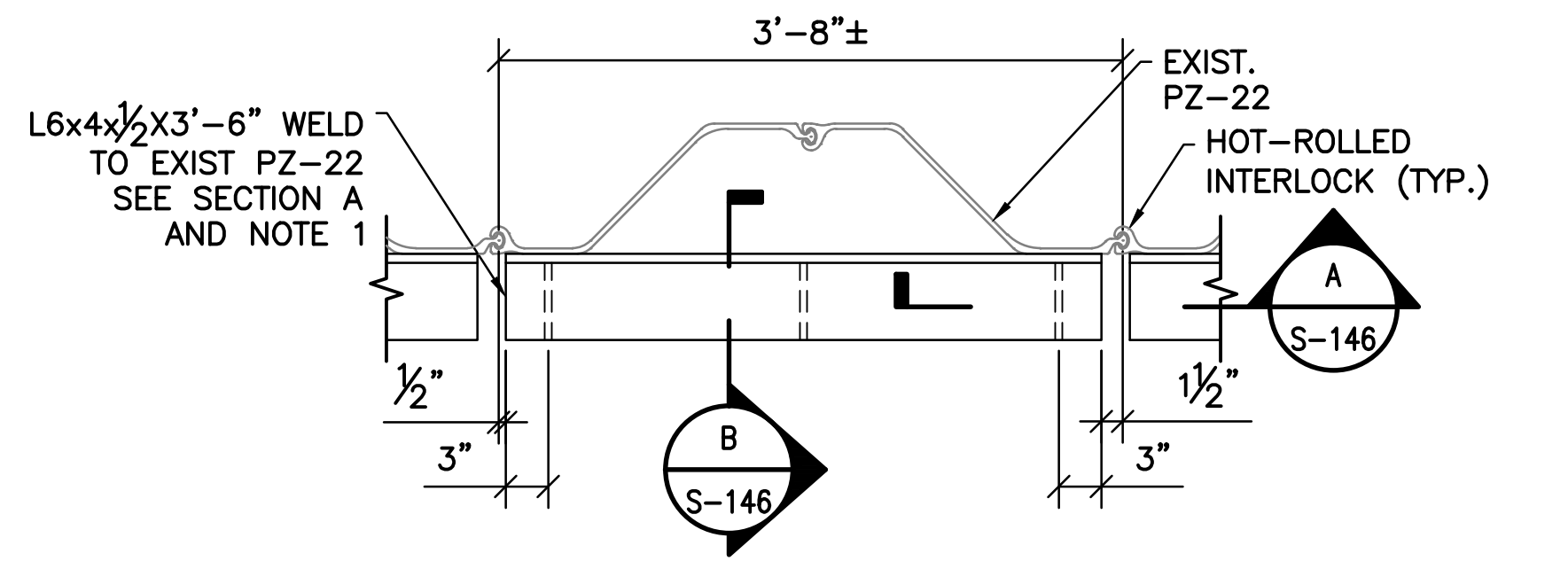
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RW-22 PRECAST ELEVATION AND SECTIONS

PROJECT TITLE:			
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		CONTRACTOR	
INSPECTOR			
AGREEMENT	COMPLETED		
RPD	CKD	CLD	CON. DR.
INDEX	RECORD		
DETAIL	FILE		

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-145
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

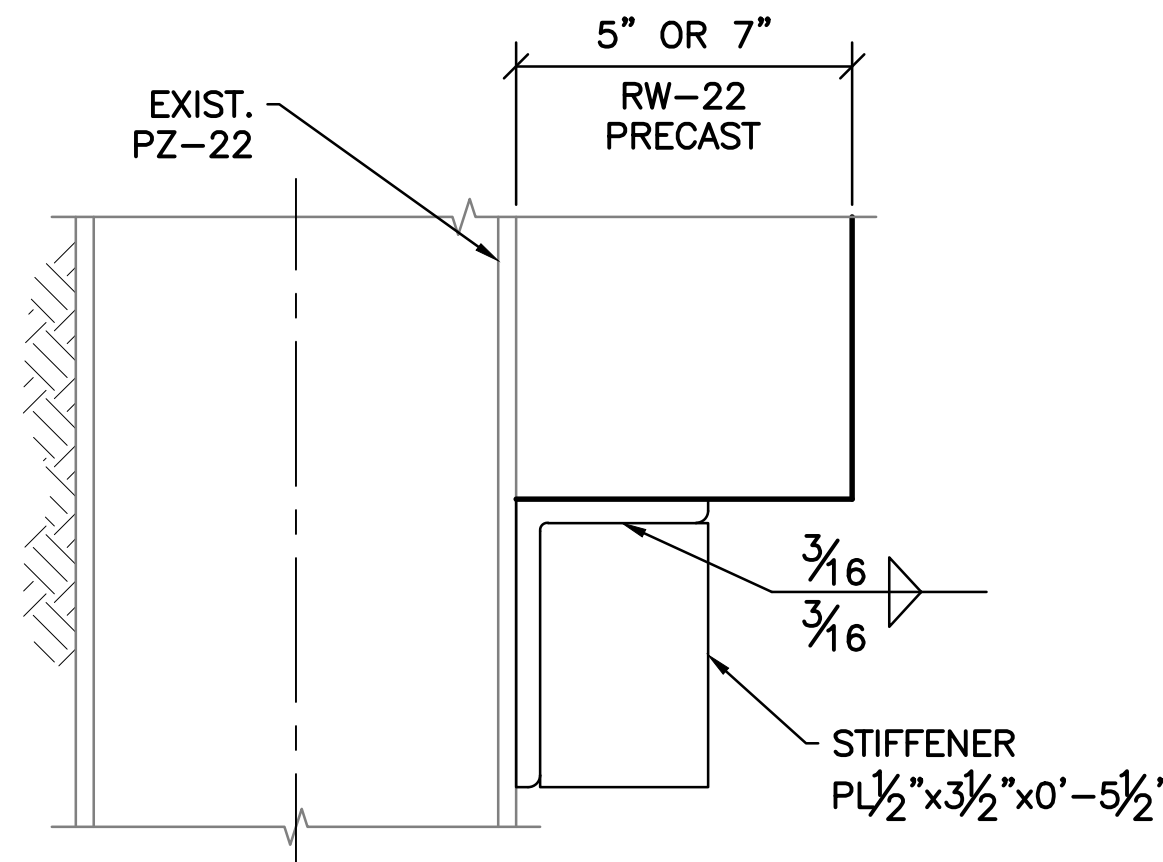


RW-22 PRECAST SUPPORT BRACKET PLAN

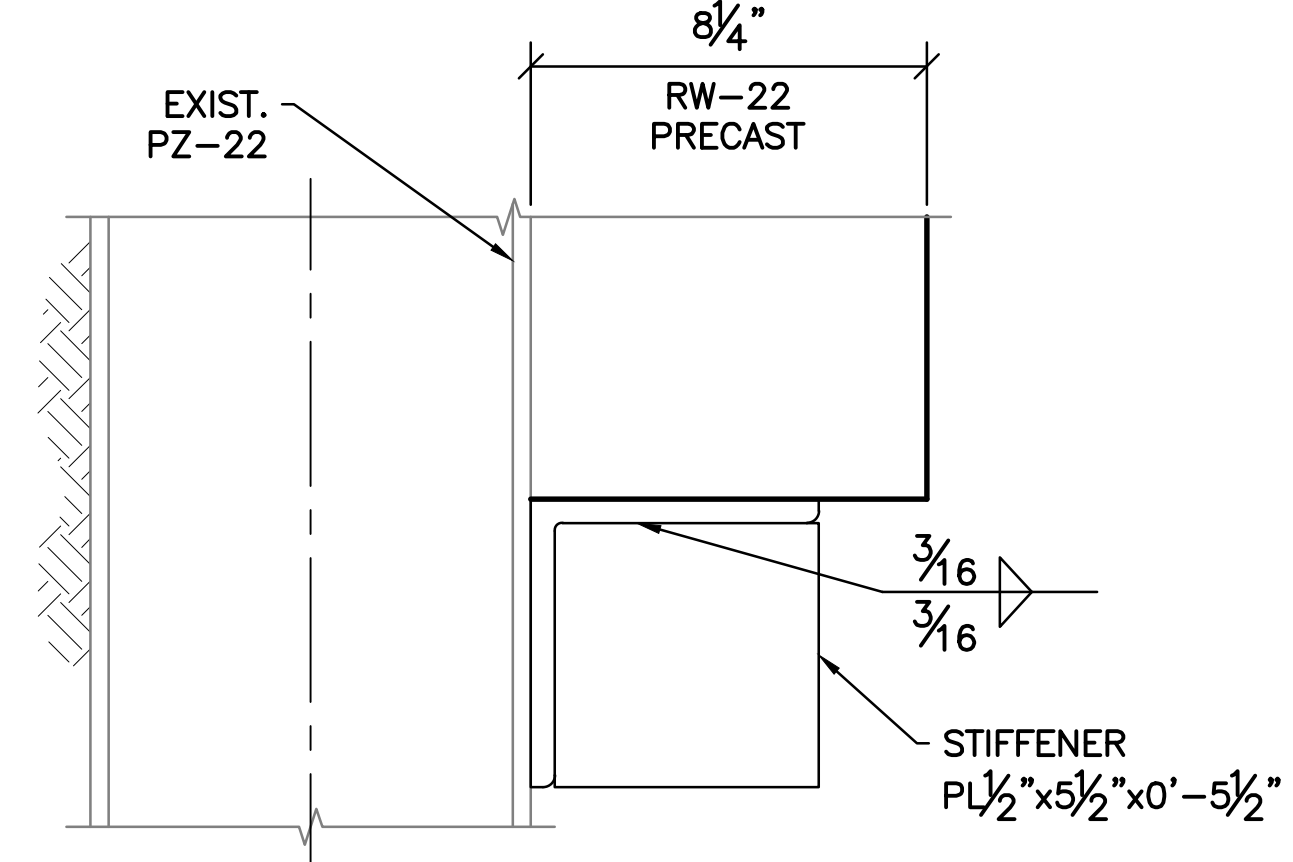
SCALE: 1" = 1'-0"

NOTE:

1. AT 8 1/4" PRECAST USE L6x6x1/2 IN PLACE OF L6x4x1/2.

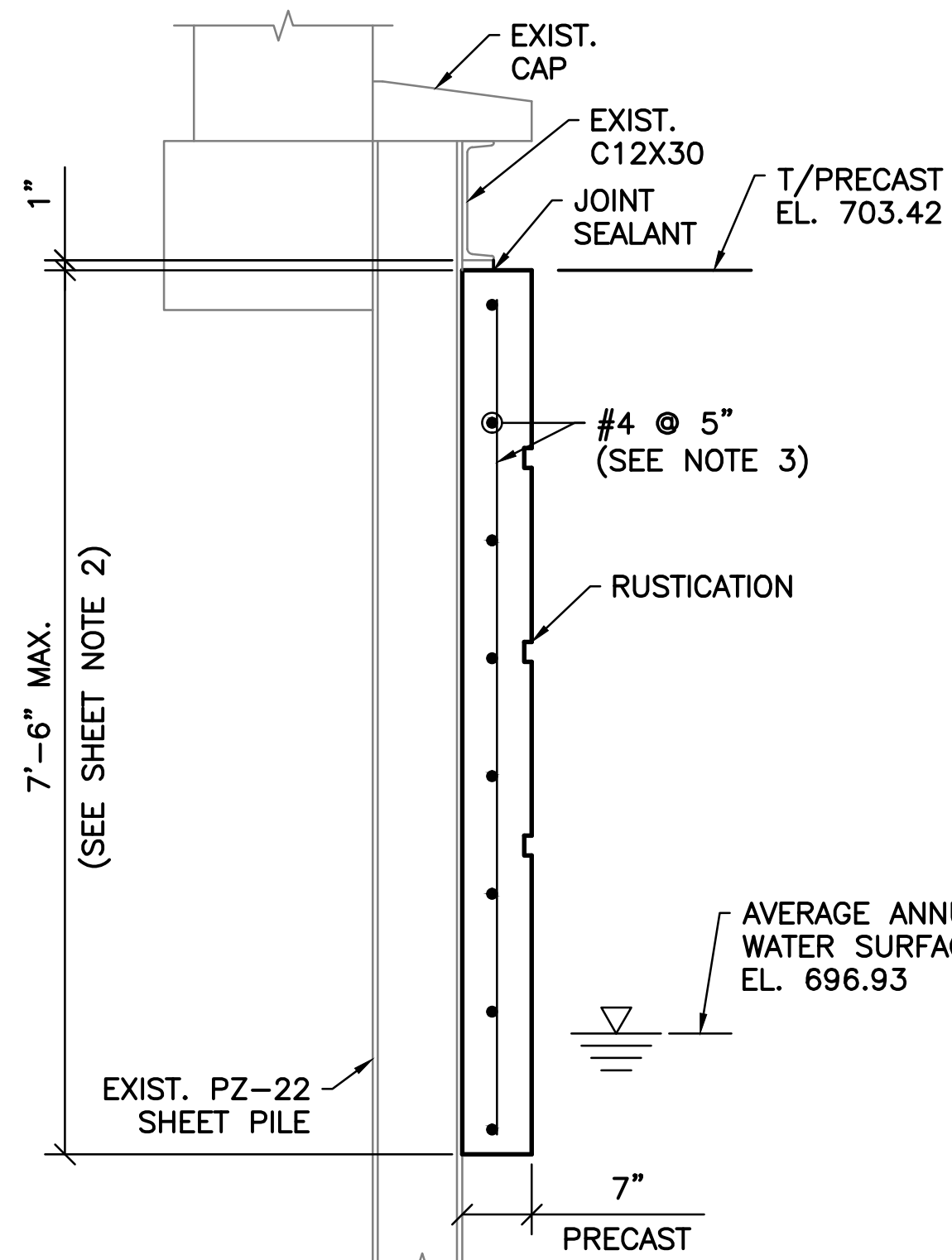


5" OR 7" PRECAST PANEL

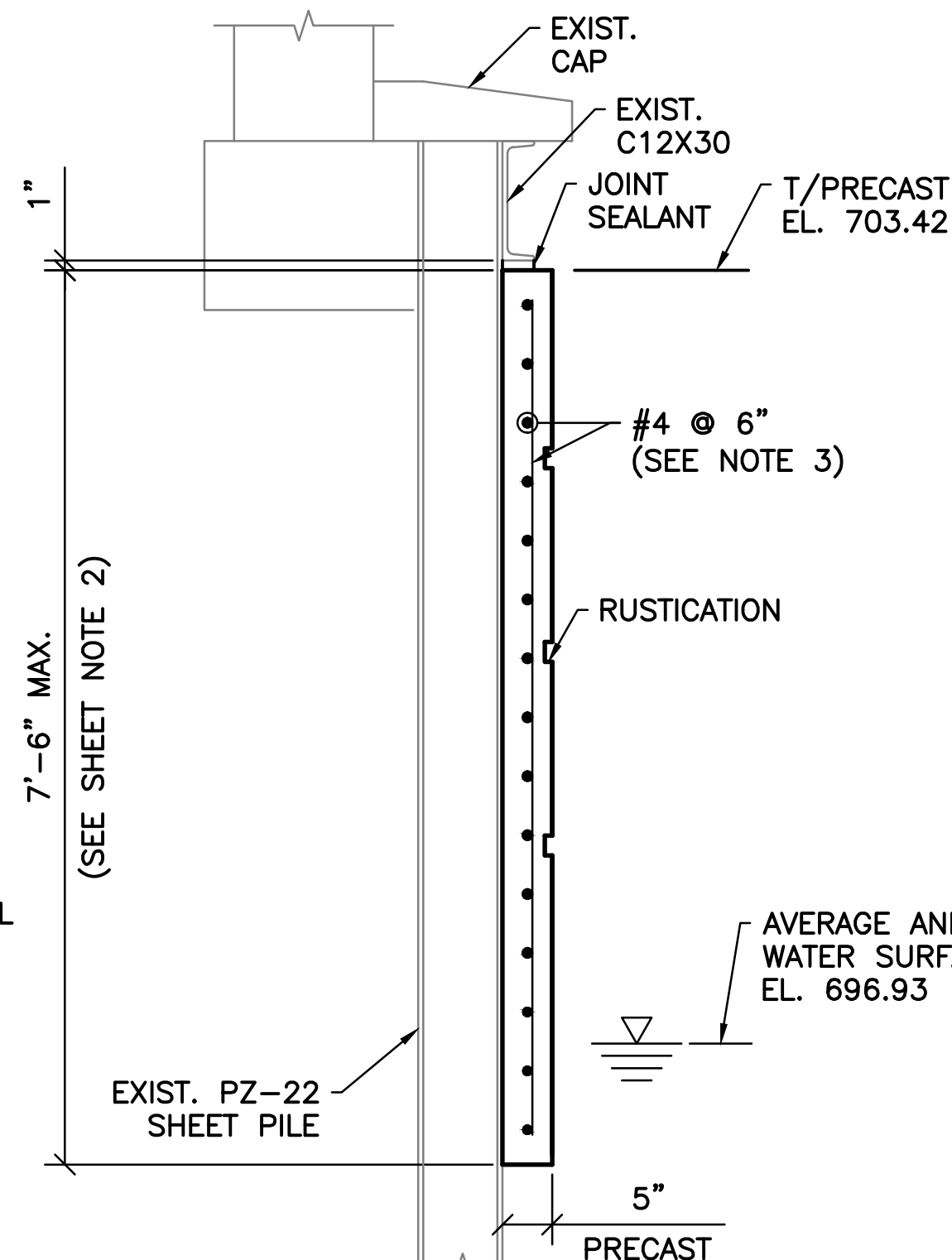


8 1/4" PRECAST PANEL

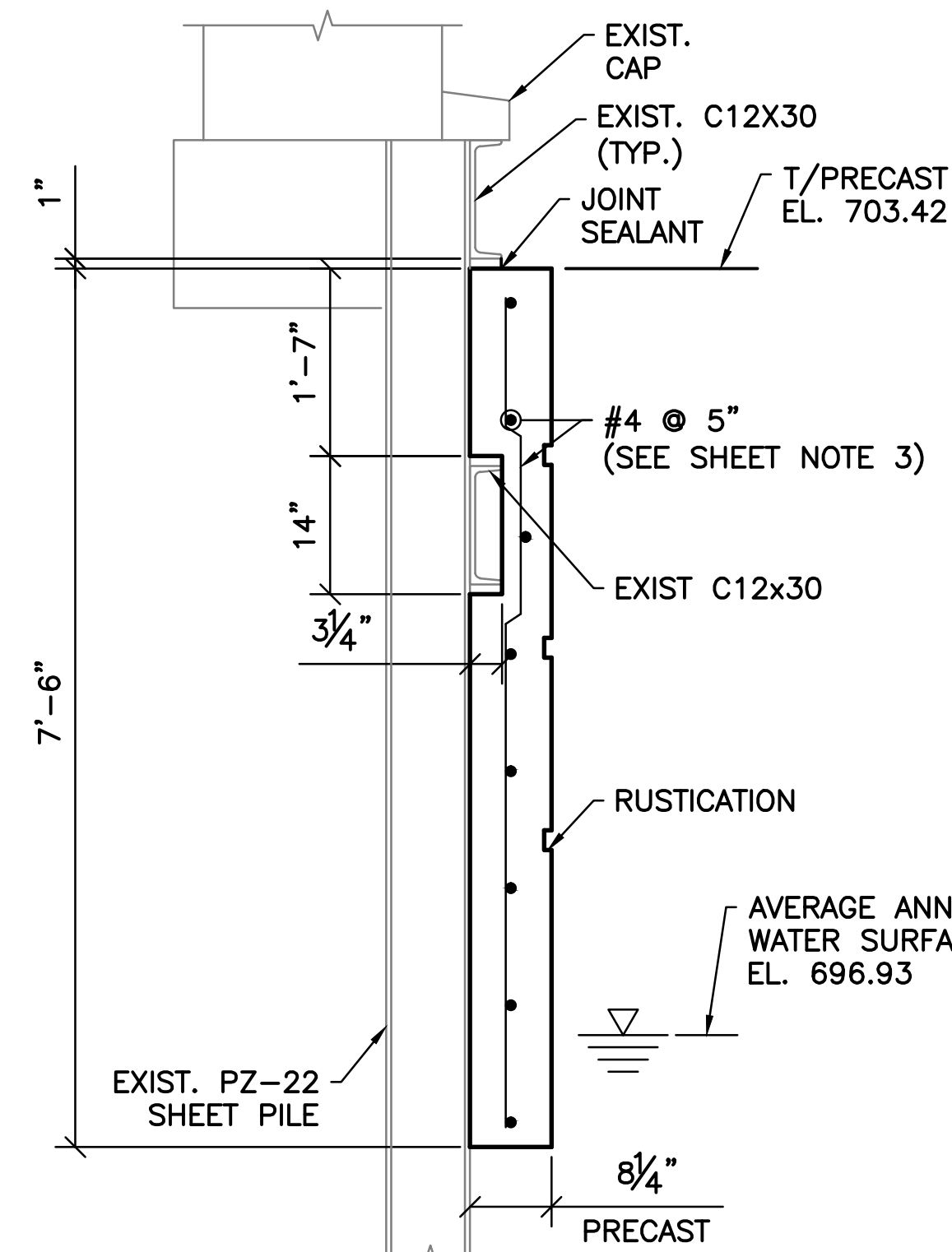
B SECTION
S-146 SCALE: 3" = 1'-0"



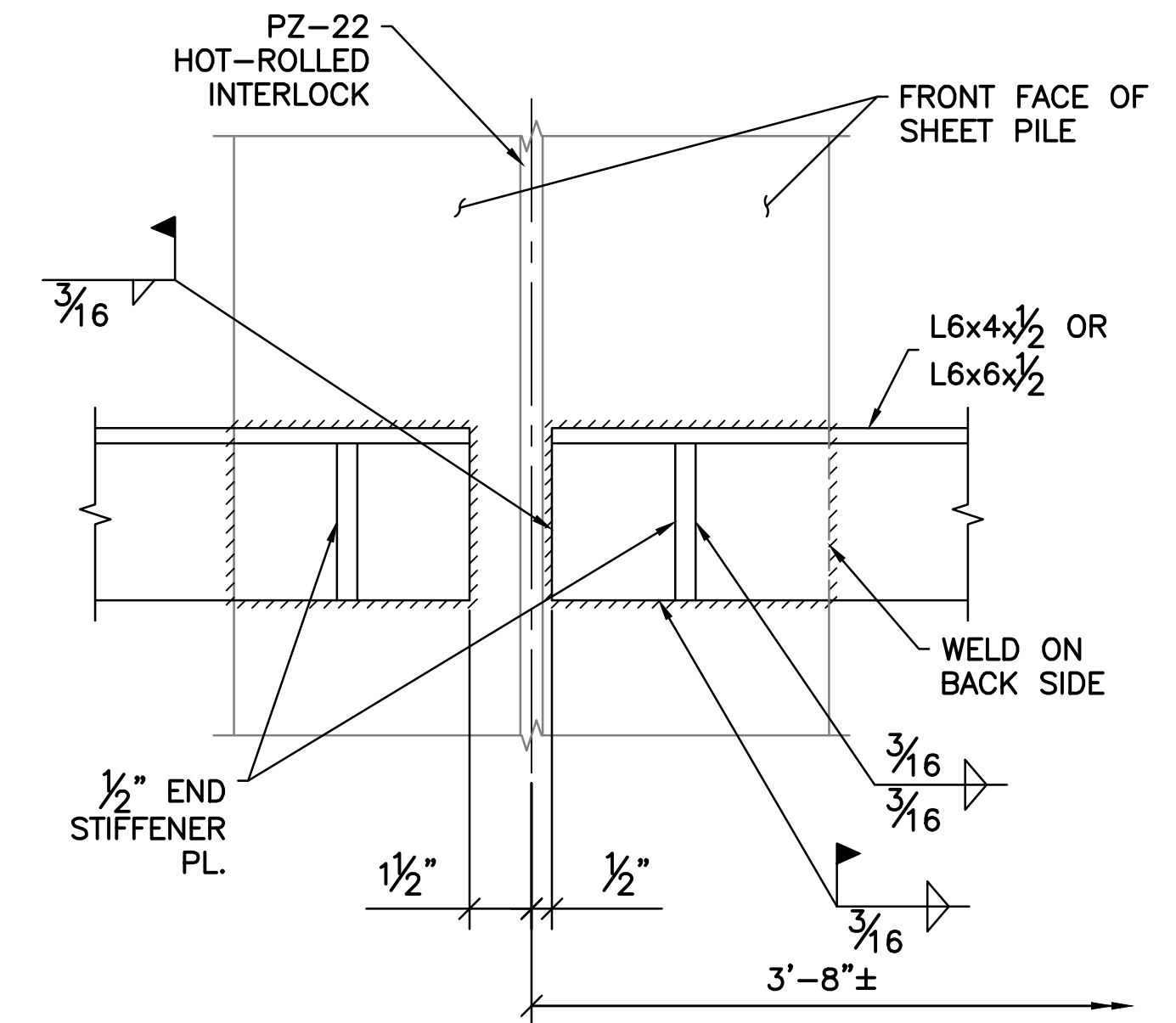
A SECTION
S-144 SCALE: 3/4" = 1'-0"



B SECTION
S-144 SCALE: 3/4" = 1'-0"



C SECTION
S-145 SCALE: 3/4" = 1'-0"



A SECTION
S-146 SCALE: 3" = 1'-0"

SHEET NOTES:

1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
2. SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR CHANGE IN PRECAST BOTTOM ELEVATION AND RUSTICATION DETAILS.
3. ADJUST PRECAST REINFORCING AS REQUIRED TO CLEAR PIN-HOLES BY 1" AND PROVIDE 1 1/2" MINIMUM COVER.

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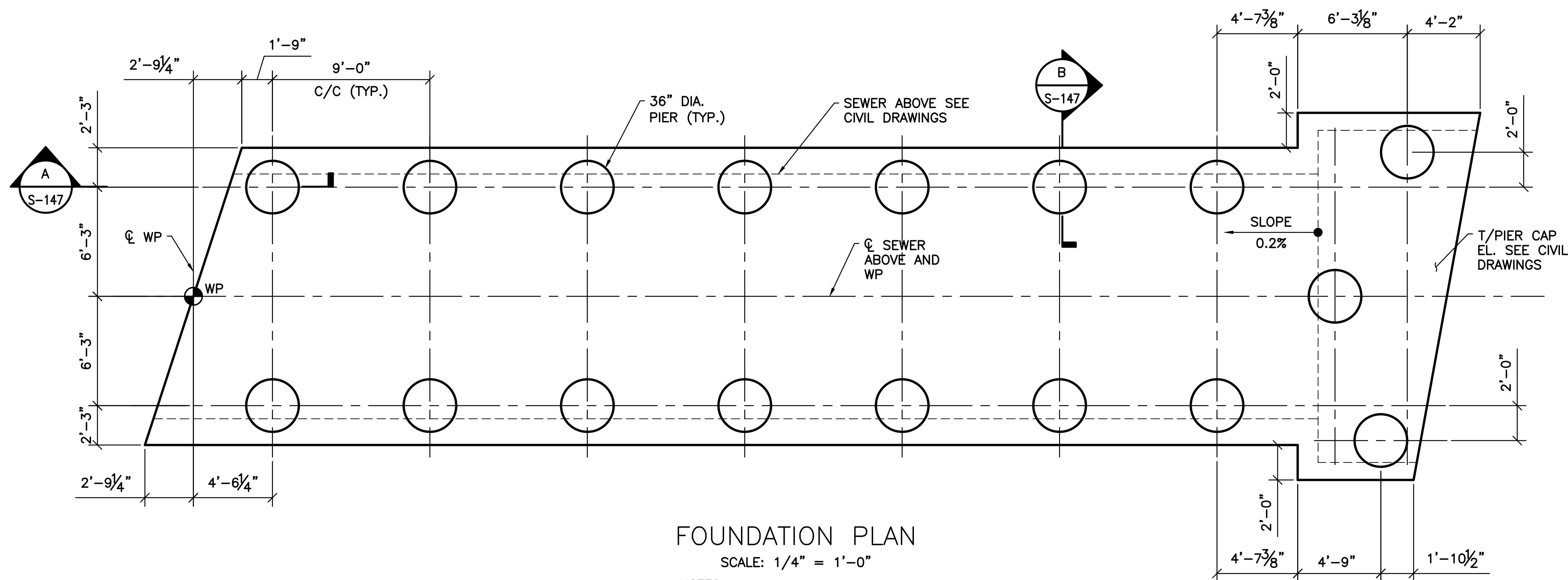
PROJECT TITLE:

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INDEX DETAIL	RECORD FILE		

CITY OF COLUMBUS
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DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

RW-22 PRECAST DETAILS

SCALE: AS NOTED SHEET: S-146
CONTRACT DRAWING NO. CC-16423 RECORD PLAN NO.

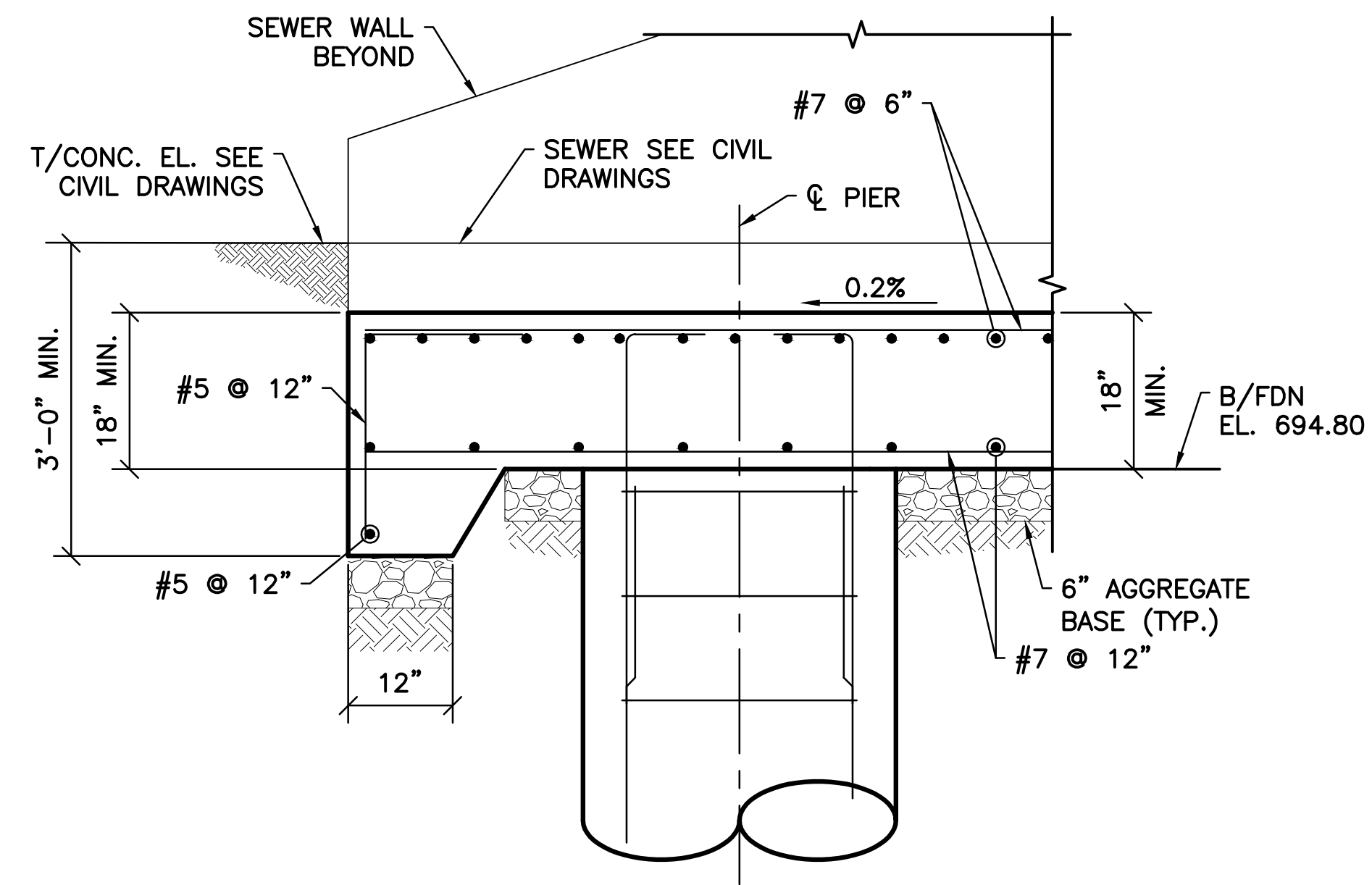


FOUNDATION PLAN

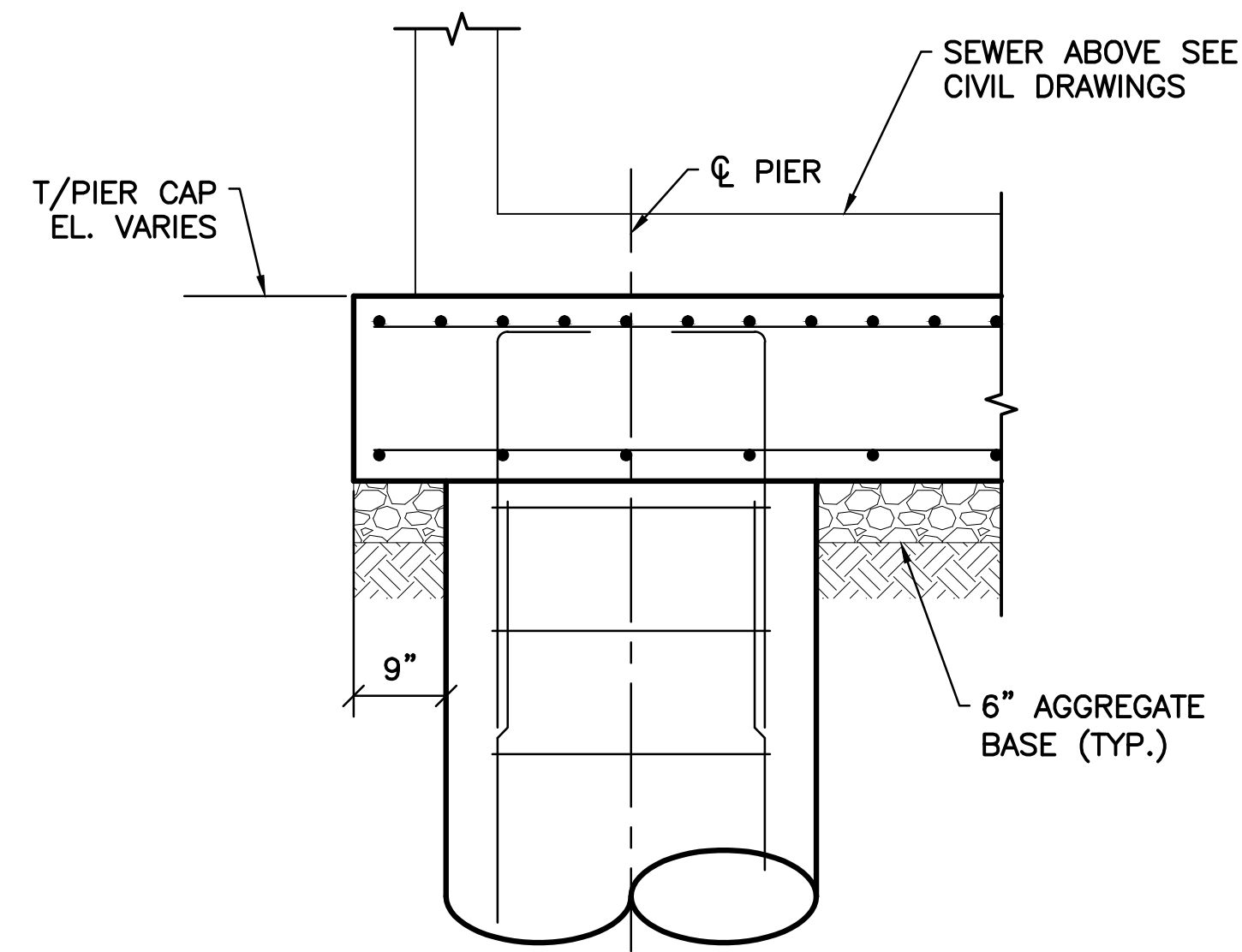
SCALE: 1/4" = 1'-0"

NOTES:

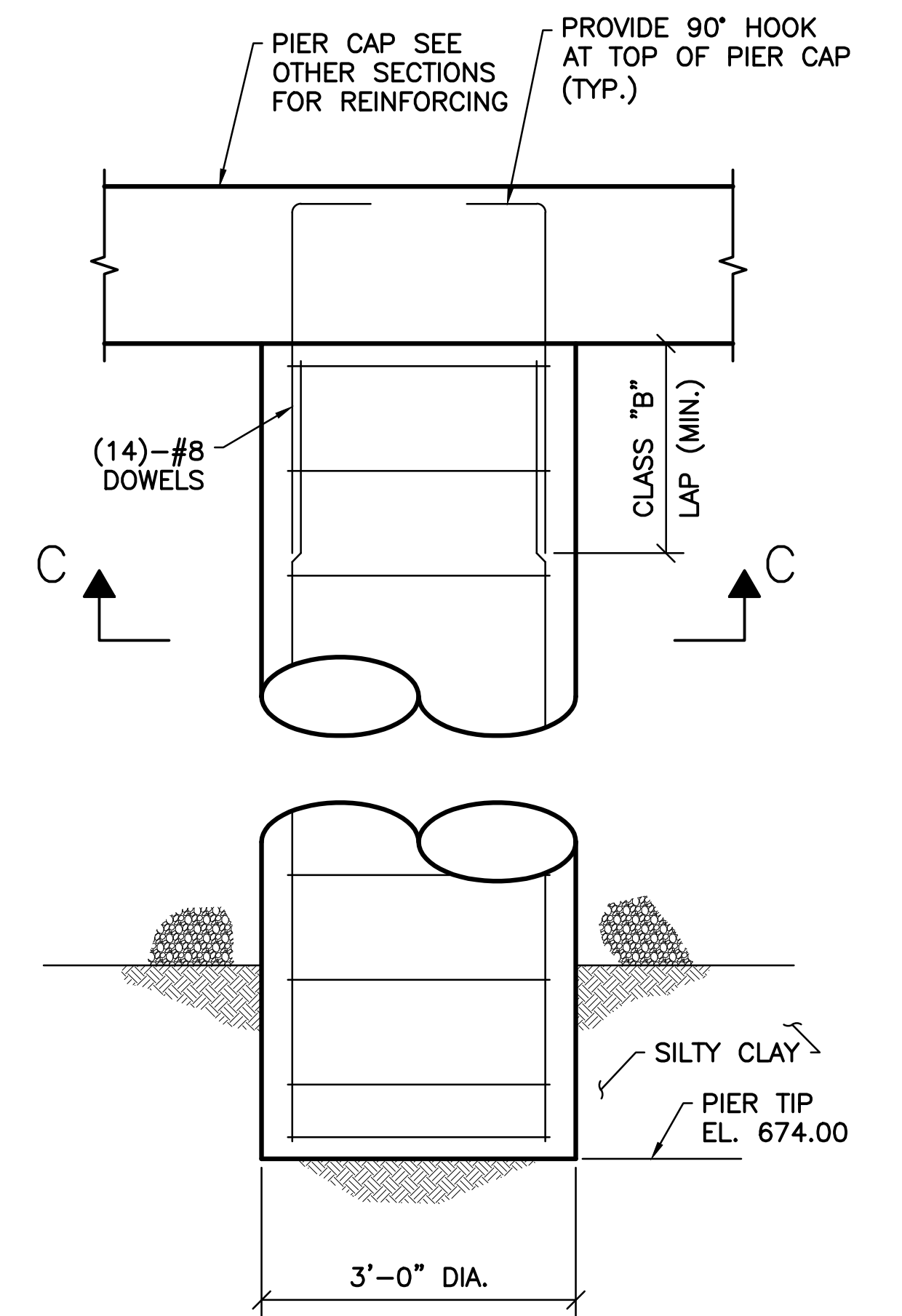
1. ALL PIERS TO BE 36" DIA. REINFORCED DRILLED SHAFTS.
2. PIER MAX ALLOWABLE VERTICAL CAPACITY = 82.5 TONS.



A SECTION
S-147 SCALE: 3/4"=1'-0"

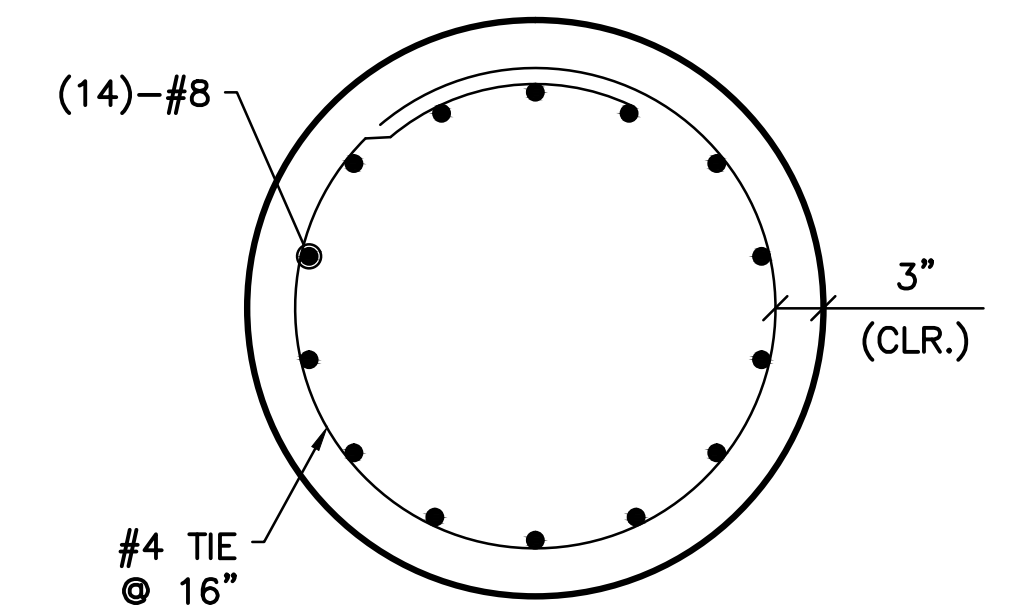


B SECTION
S-147 SCALE 3/4"=1'-0"



TYPICAL DRILLED PIER DETAIL

SCALE: 3/4" = 1'-0"



C SECTION
S-147 SCALE: 1" = 1'-0"

SHEET NOTE:

1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.

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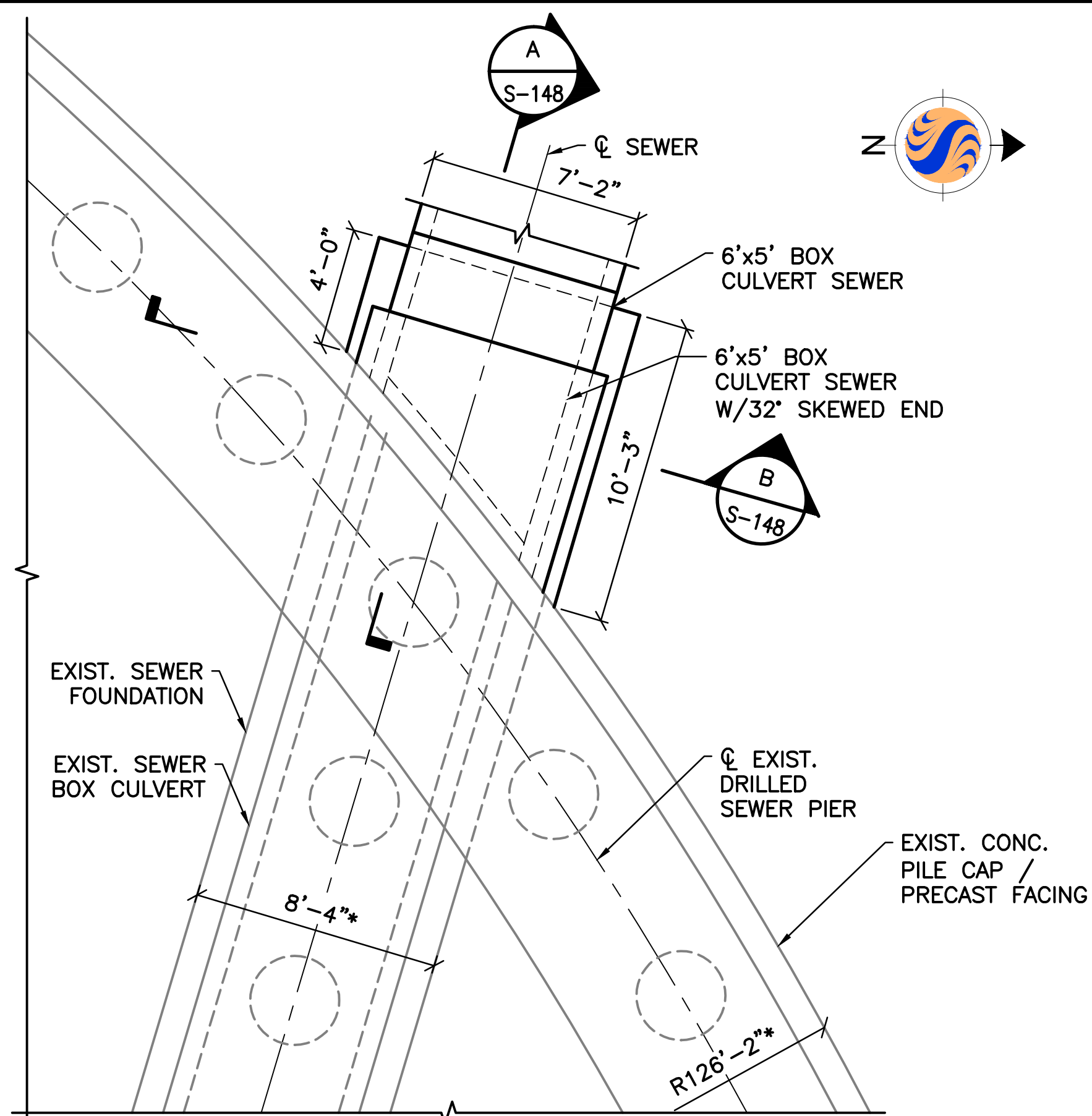
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D-4 OUTFALL FOUNDATION PLAN AND SECTIONS

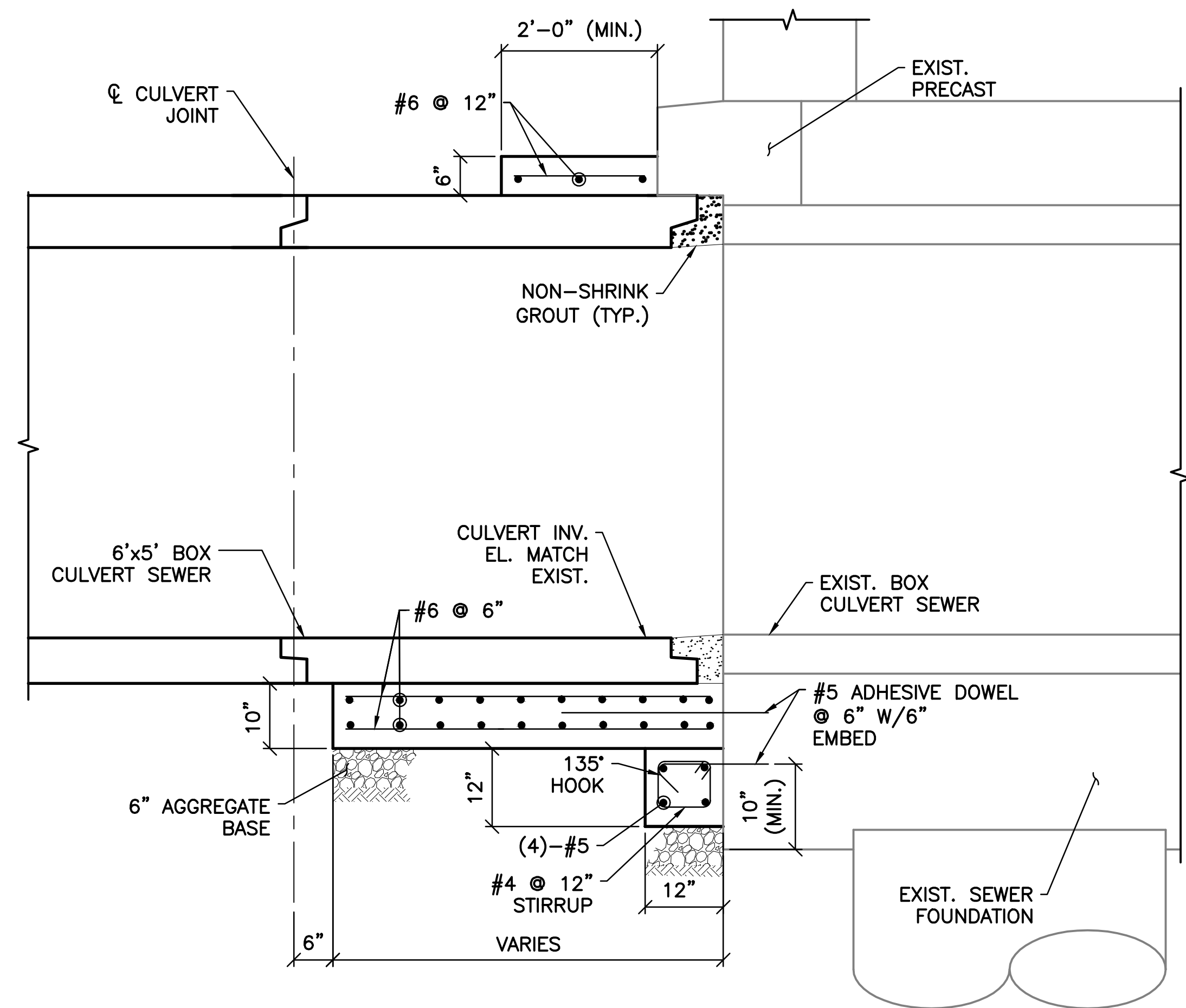
PROJECT TITLE:			
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		CONTRACTOR	
		INSPECTOR	
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RPD	CKD	GLD	CON. DR.
INDEX DETAIL	RECORD FILE		

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS NOTED	SHEET: S-147
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

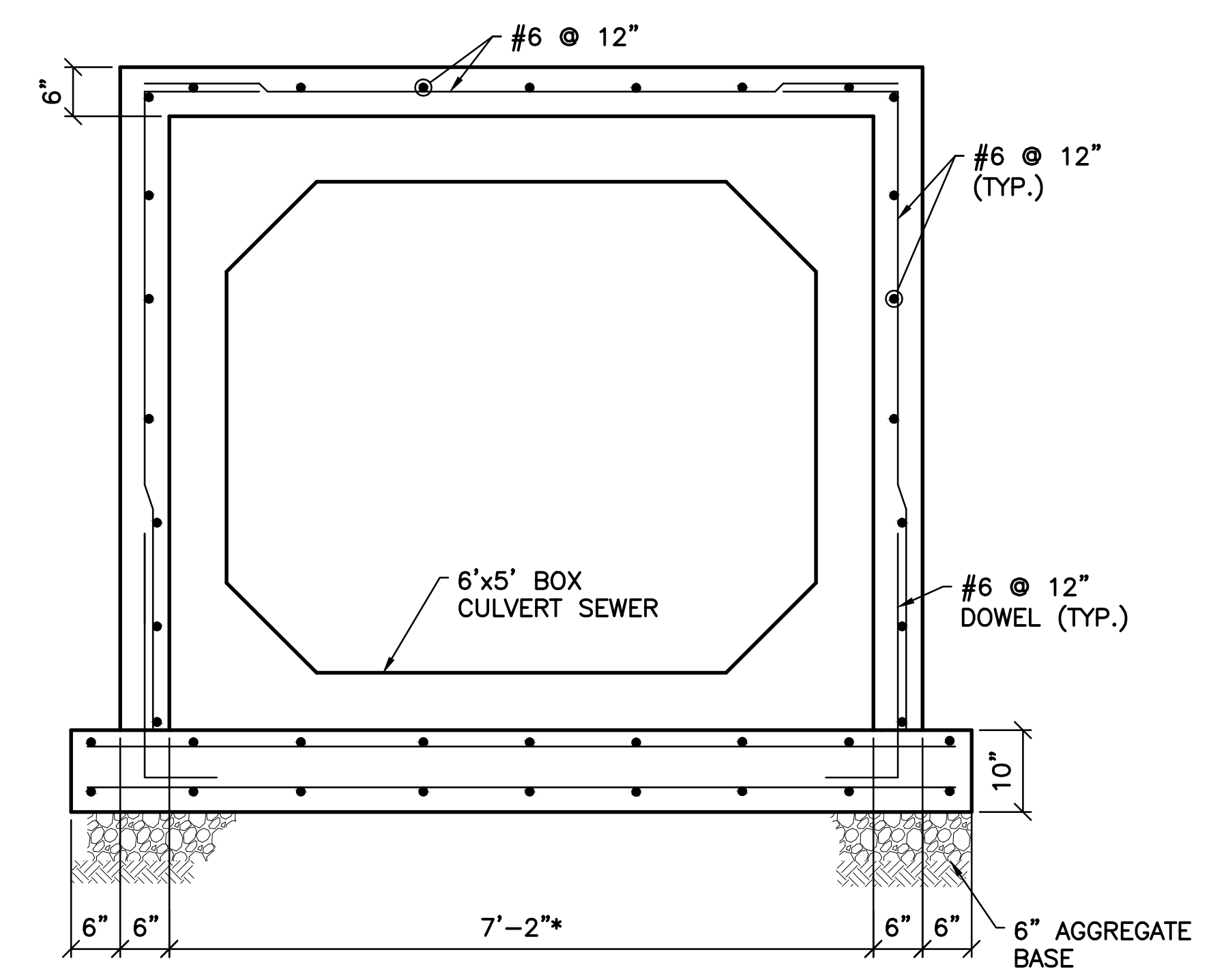


PLAN
SCALE: 1/4" = 1'-0"

- NOTE:
- DESIGN ALLOWABLE BEARING PRESSURE = 3,000 PSF.
 - DESIGN LL = 250 PSF.



A SECTION
SCALE: 3/4" = 1'-0"



B SECTION
SCALE: 3/4" = 1'-0"

- SHEET NOTE:
- FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.

EASEMENT REFERENCE		
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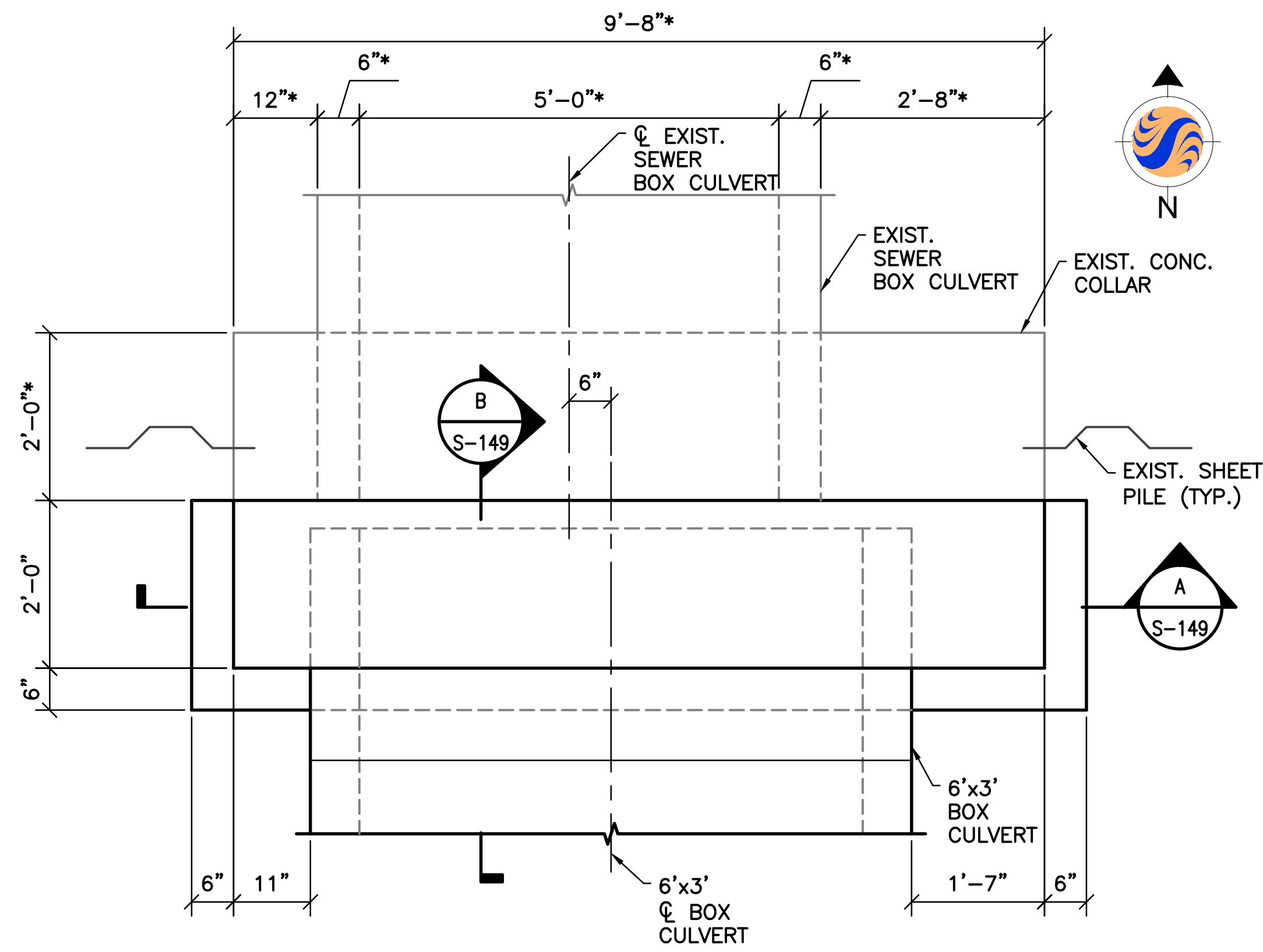
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L-8 OUTFALL PLAN AND SECTIONS

PROJECT TITLE:			
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO			
DIVISION USE ONLY		OWNER	
		CONTRACTOR	
		INSPECTOR	
AGREEMENT	COMPLETED		
RPD	CKD	GLD	CON. DR.
INDEX DETAIL	RECORD FILE		

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: AS SHOWN	SHEET: S-148
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

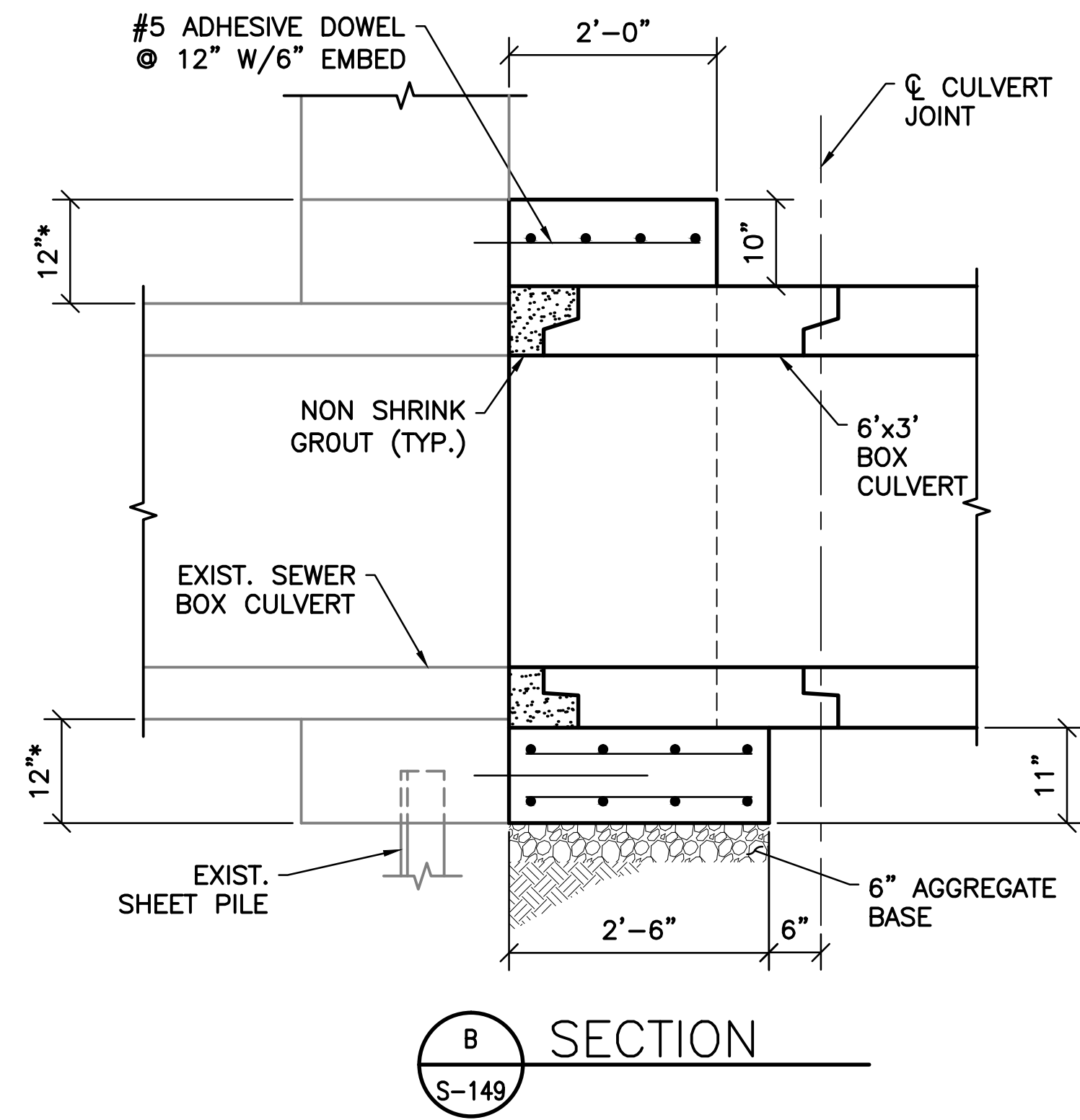
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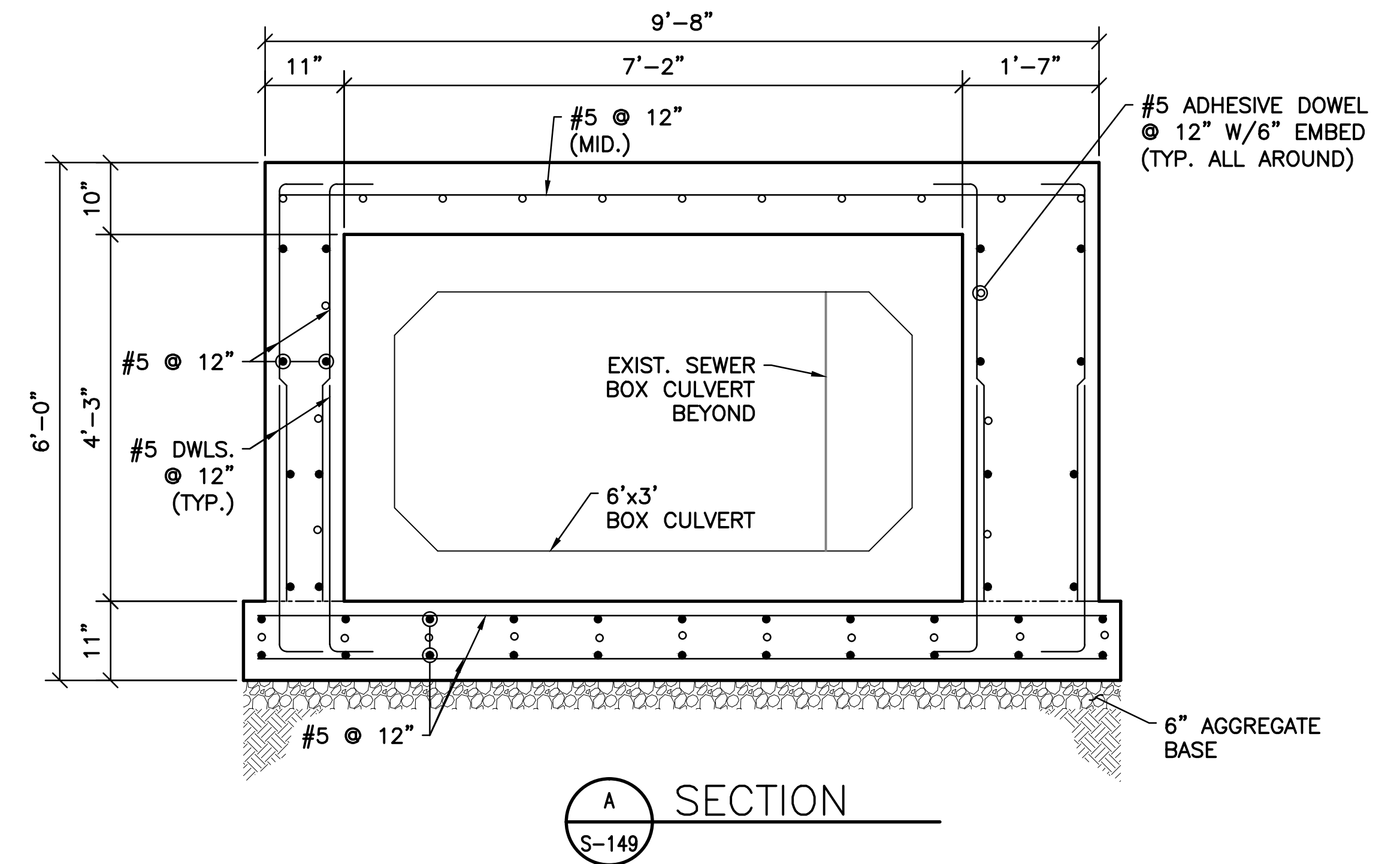
PLAN

NOTES:

1. DESIGN ALLOWABLE BEARING PRESSURE = 3,000 PSF.
2. DESIGN LL = 250 PSF.



SECTION B
S-149



SECTION A
S-149


SHEET NOTE:


1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.

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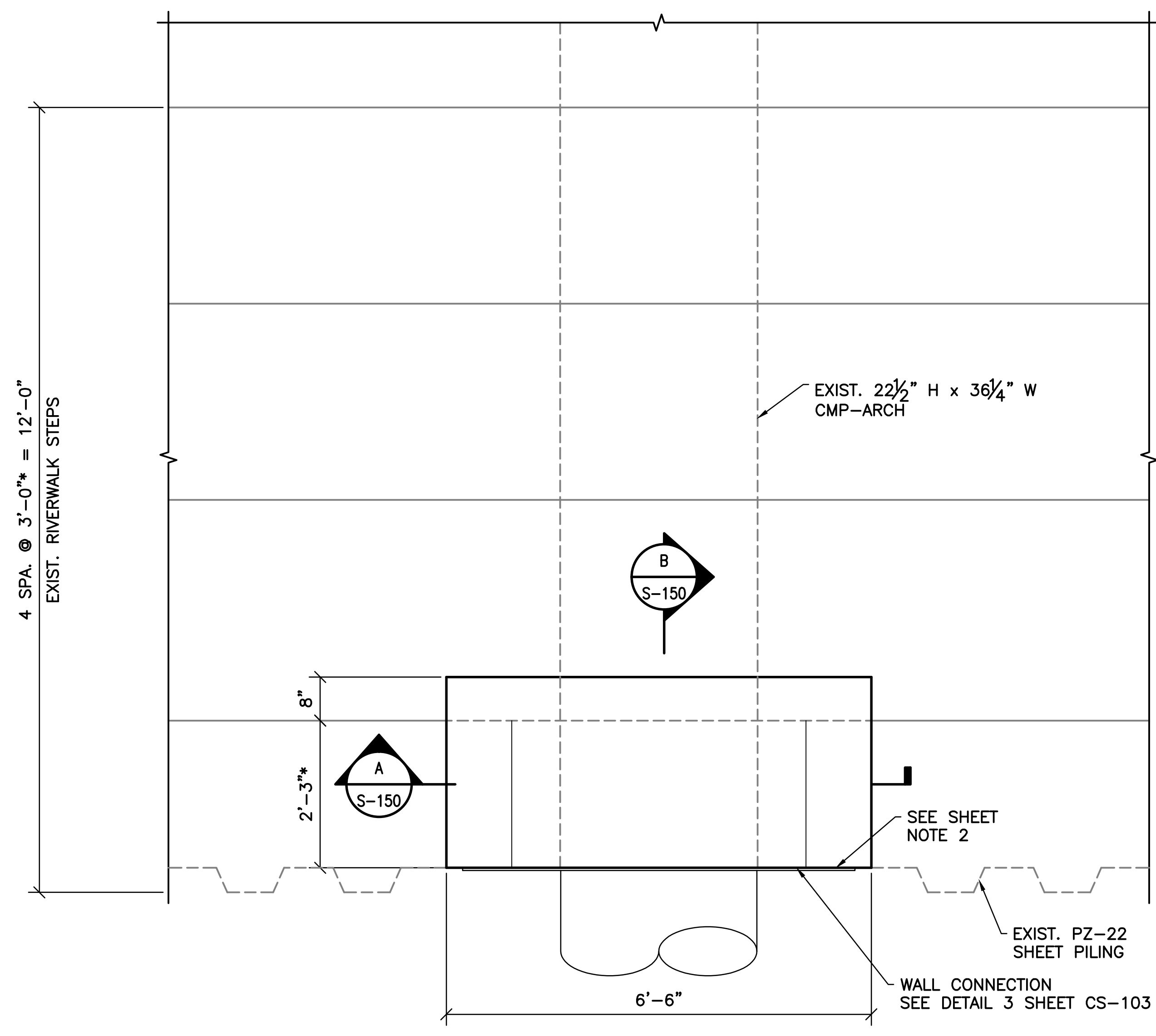
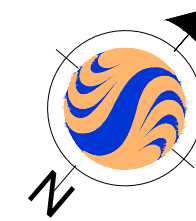

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LANDSCAPE ARCHITECTURE + URBAN PLANNING

0-0281 OUTFALL PLAN AND SECTIONS

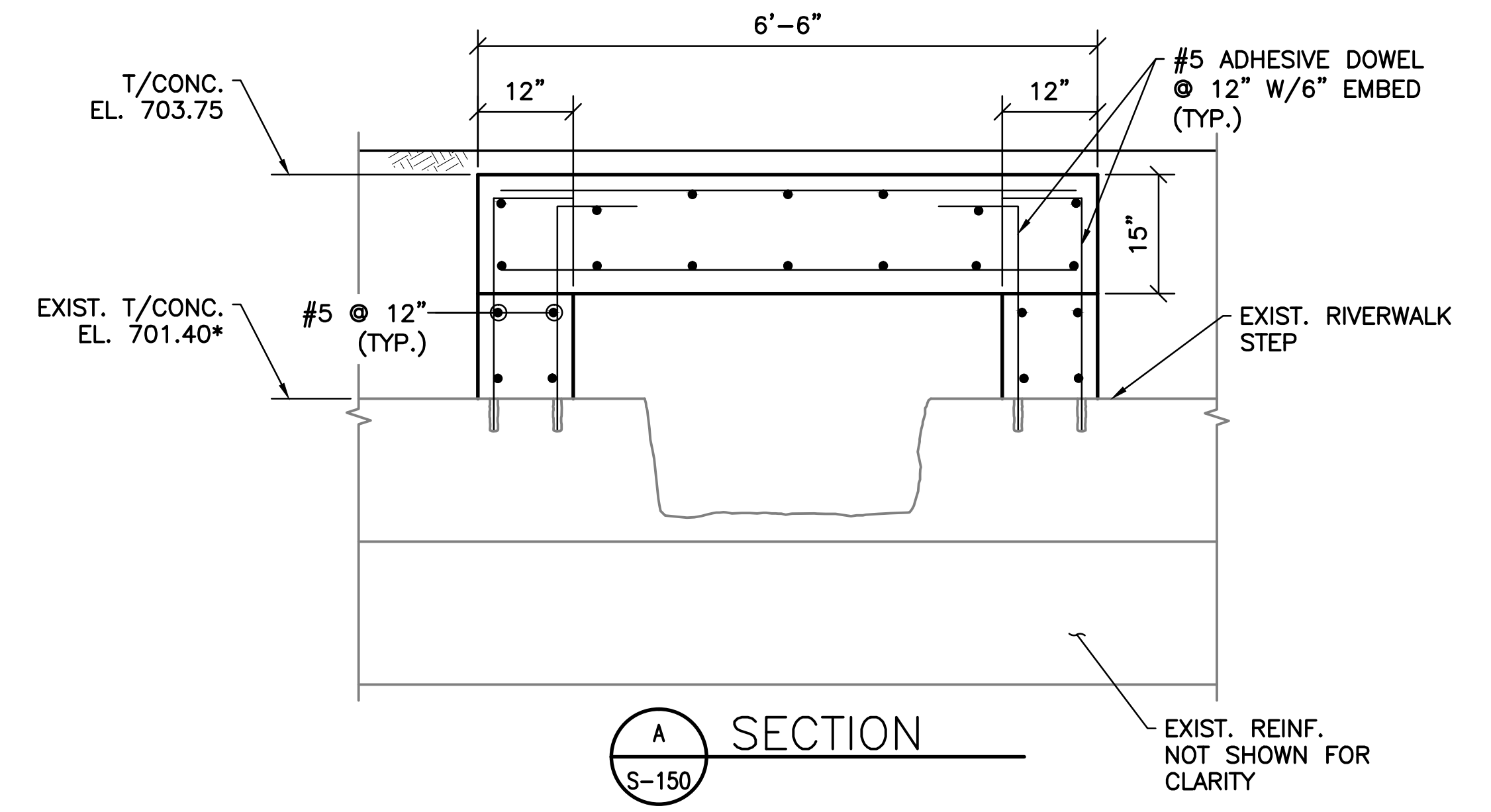
PROJECT TITLE:					
COLUMBUS DOWNTOWN DEVELOPMENT CORPORATION SCIOTO GREENWAYS PROJECT CITY OF COLUMBUS, OHIO					
DIVISION USE ONLY			OWNER		
			CONTRACTOR		
			INSPECTOR		
AGREEMENT		COMPLETED			
RPD	CKD	CLD	CON. DR.		
INDEX DETAIL		RECORD FILE			

CITY OF COLUMBUS DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE AND DRAINAGE <small>DIVISION USE ONLY</small>	
SCALE: 3/4" = 1'-0"	SHEET: S-149
CONTRACT DRAWING NO. CC-16423	RECORD PLAN NO.

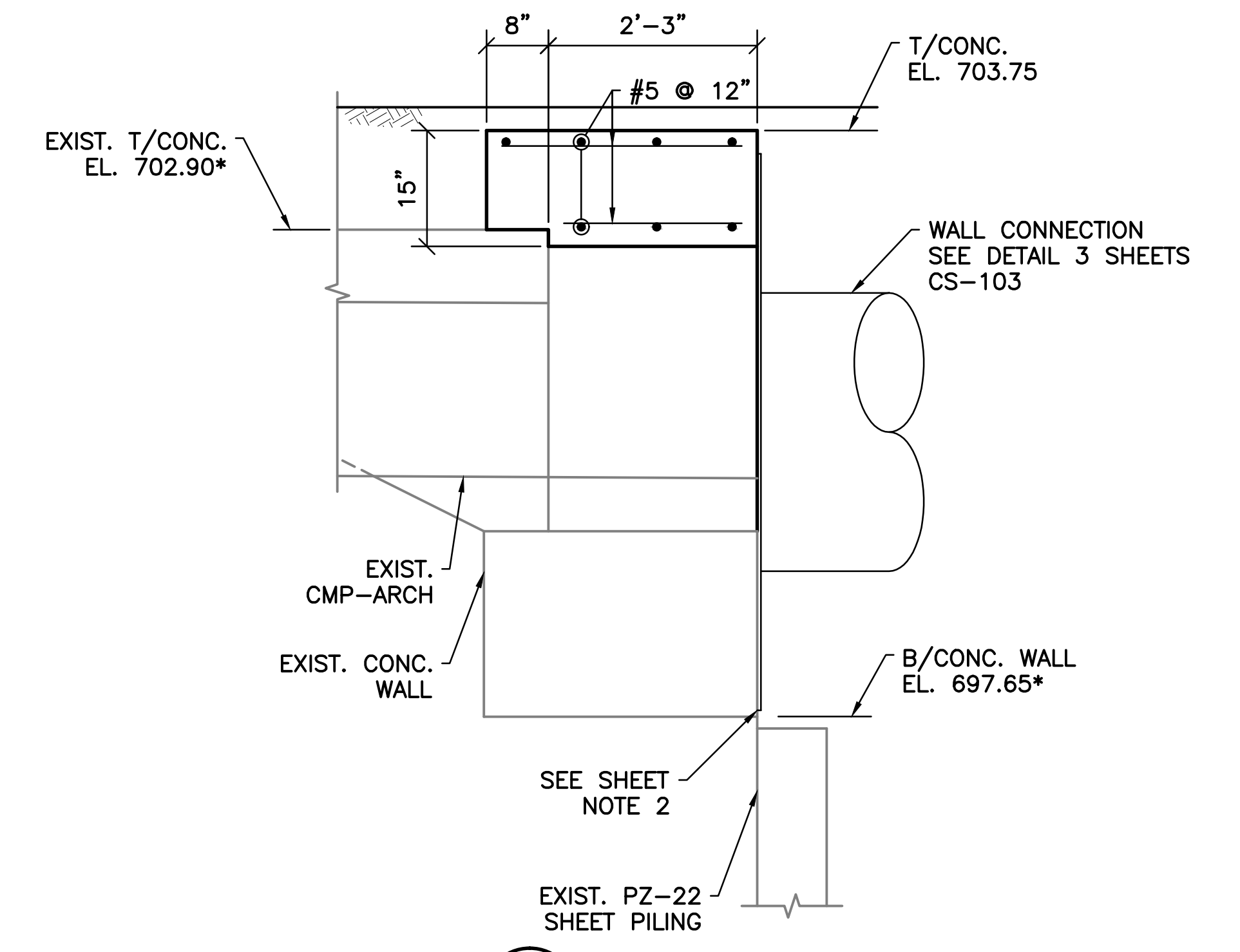


PLAN

NOTE:
1. DESIGN LL = 250 PSF.



A SECTION
S-150



B SECTION
S-150

- SHEET NOTES:
1. FOR GENERAL NOTES AND TYPICAL DETAILS SEE SHEETS S-101, S-102, AND S-103.
 2. DEMOLISH SHEET PILING AND CONCRETE TO PROVIDE VERTICAL SURFACE TO ANCHOR WALL CONNECTION.

v:\1734\active\173408853_scioto_greenways\structure\final_design\drawing\s-150.dwg

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER		GRANTOR
	VOL.	PAGE	

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PREPARED BY:


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D69B OUTFALL MODIFICATIONS

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