

BETHEL BURYING GROUND

MEMORIAL PROJECT

AT WECCACOE PLAYGROUND

PROJECT ADMINISTRATOR

Office of the Arts, Culture and Creative Economy
 City of Philadelphia, City Hall, Room 116
 Philadelphia, Pennsylvania 19107
 215 686 8446

PROJECT OWNER

Philadelphia Parks and Recreation
 1515 Arch St #10
 Philadelphia, Pennsylvania 19102
 215 683 3600

ARTIST

Karyn Olivier
 karyn@karynolivier.com

ARCHITECT

SMP Architects
 1600 Walnut Street, 2nd Floor
 Philadelphia, Pennsylvania 19103
 215 985 4410

LANDSCAPE ARCHITECT

Ground Reconsidered
 915 Spring Garden Street, Suite 403,
 Philadelphia, PA 19123
 215 790 0727

CIVIL ENGINEER

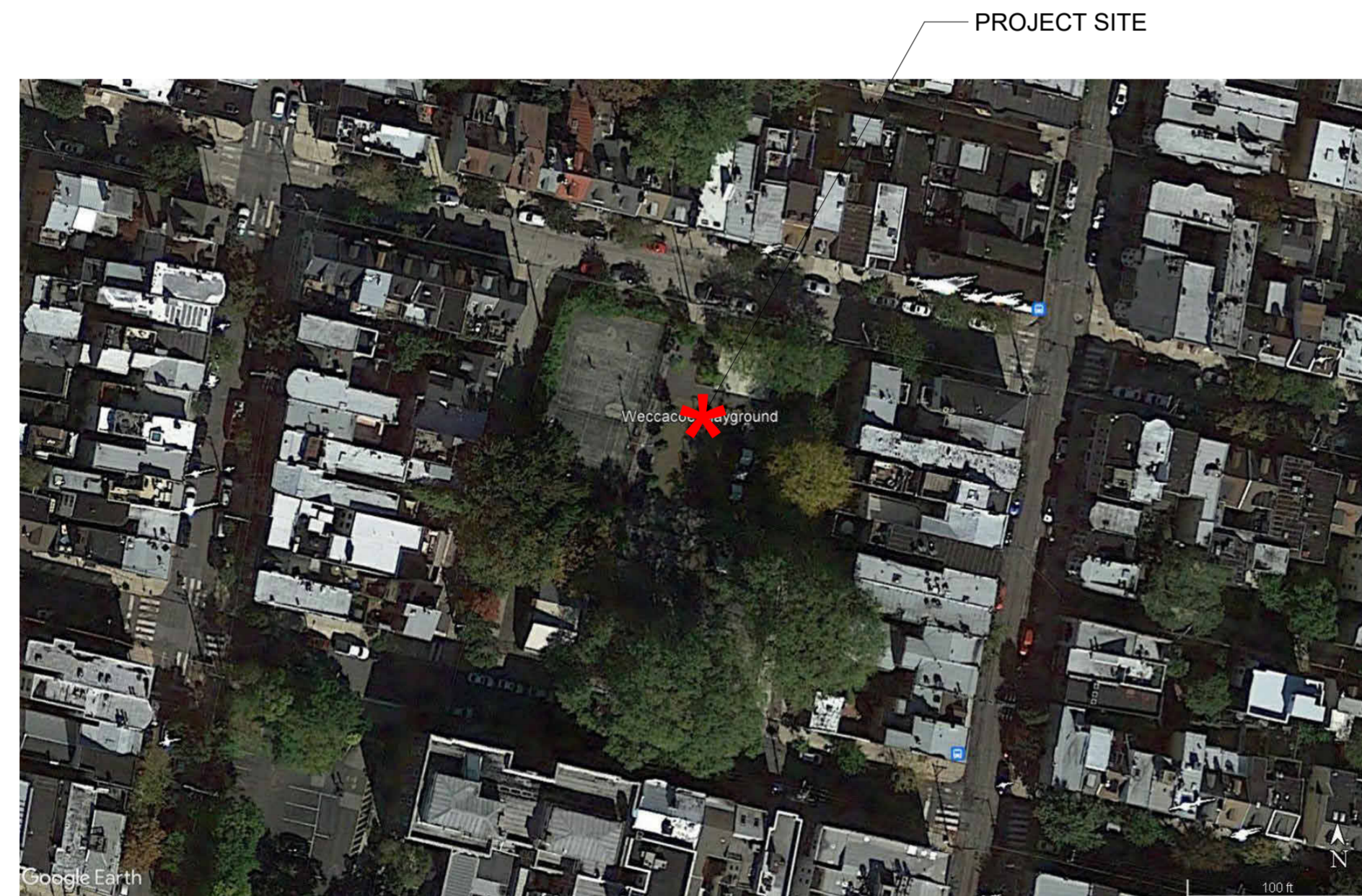
KS Engineers, PC
 530 Walnut Street, Suite 460
 Philadelphia, Pennsylvania 19106
 215 925 0425

ARCHAEOLOGIST

AECOM
 1700 Market Street, Suite 1600,
 Philadelphia, Pennsylvania 19103
 215 399 4300

100% CONSTRUCTION DOCUMENTS

05/10/2024



PROJECT SITE



PROJECT ADDRESS
 400 CATHARINE STREET
 PHILADELPHIA, PA 19147

DRAWING LIST:

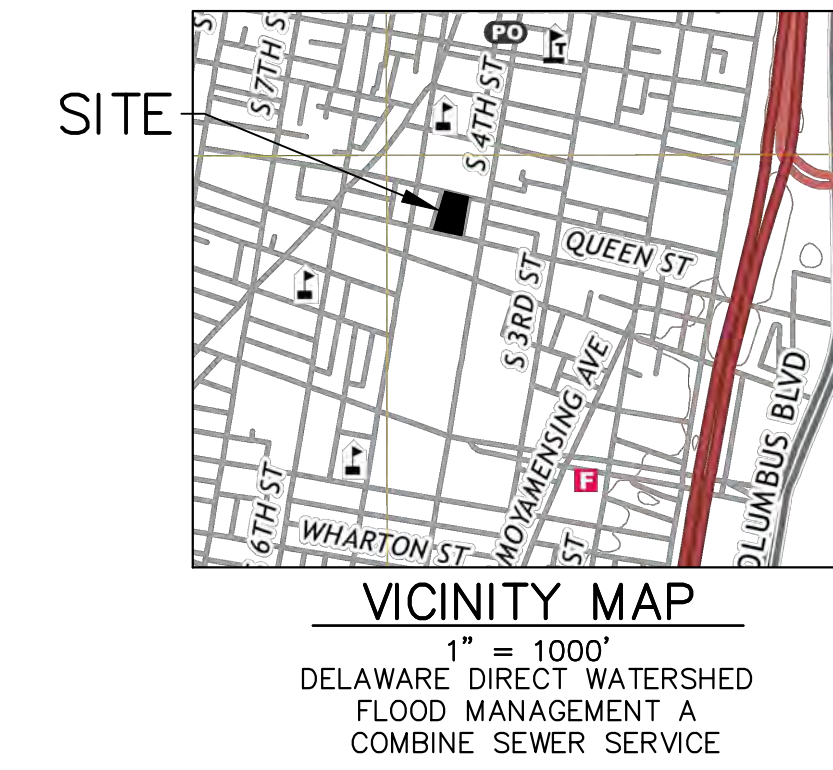
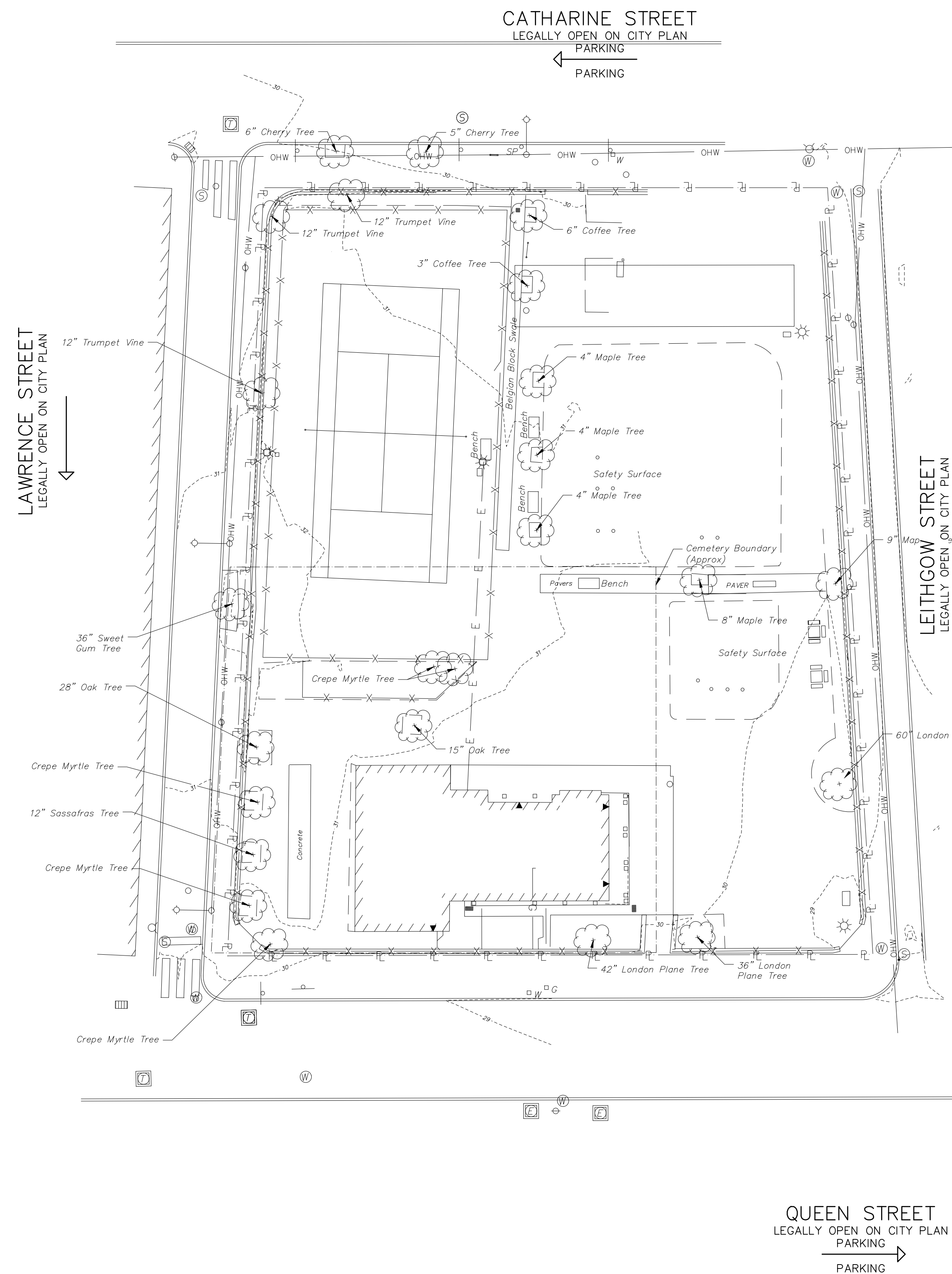
GENERAL	
CS	COVER SHEET
CIVIL	
C100	EXISTING SITE PLAN
C101	EXISTING UTILITIES PLAN
C201	UTILITIES DEMOLITION PLAN
C300	UTILITIES & GRADING PLAN
CE100	EROSION AND SEDIMENT CONTROL PLAN
CE501	EROSION AND SEDIMENT CONTROL DETAILS
CE701	EROSION AND SEDIMENT CONTROL NOTES
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L201	SITE MATERIALS PLAN
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L603	SITE DETAILS
L604	SITE DETAILS
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ARCHITECTURAL	
A2.0	DETAILS - BRICK PIERS AND GATE

EXISTING LEGEND

	BUILDING
	CONCRETE CURB
	MAJOR CONTOUR LINE
	MINOR CONTOUR LINE
	GAS LINE
	POTABLE WATER
	SANITARY SEWER
	STORM SEWER
	TELECOMMUNICATION CONDUIT
	ELECTRIC CONDUIT
	FENCE
	UNKNOWN MANHOLE
	TELEPHONE MANHOLE
	SANITARY MANHOLE
	STORM MANHOLE
	STORM/SANITARY MANHOLE
	ELECTRIC MANHOLE
	WATER MANHOLE
	WATER VALVE
	GAS VALVE
	UNKNOWN VALVE
	SEWER VENT
	FIRE HYDRANT
	UTILITY POLE/STREET LIGHT
	LIGHT POLE
	TRAFFIC LIGHT
	SIGN
	TREE
	UNDER GROUND STORAGE TANK
	CITY INLET
	GRATE INLET
	OMG INLET
	PROPERTY LINE
	EASEMENT LINE

GENERAL NOTES:

- ALL DIMENSIONS ARE SHOWN IN U.S. SURVEY FEET.
- SURVEY INFORMATION OBTAINED FROM A FIELD SURVEY PERFORMED BY KSE ON 07/10/2023 THRU 07/21/2023. SURVEY BASED ON P.A.S.P.C.S. (SOUTH ZONE) NAD83. BEARINGS SHOWN ARE PER CITY PLAN AND DEED OF RECORD. ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988.
- SUBJECT TO ALL RESTRICTIONS, EASEMENTS AND/OR COVENANTS OF RECORD EITHER WRITTEN OR IMPLIED THAT MAY NOT APPEAR OF THIS PLAN.
- IF BUILDINGS ARE ON THIS PLAN, BUILDING OFFSET DISTANCES SHOWN ARE FOR THE PURPOSE OF CHECKING COMPLIANCE WITH ZONING AND DEED RESTRICTIONS ONLY. NO LIABILITY WILL BE ACCEPTED IF THESE DISTANCES ARE USED FOR ANY OTHER PURPOSES.
- UNDERGROUND UTILITIES AS SHOWN TAKEN FROM FIELD EVIDENCE AND PLANS AS PROVIDED BY THE VARIOUS UTILITY AUTHORITIES (PA ONE CALL SERIAL NO. 20231642217, 20231642279, 20231642344, & 20231642431). THE ACCURACY REGARDING UTILITY LOCATION AND/OR DEPTH CANNOT BE GUARANTEED AND ADDITIONAL UNDERGROUND UTILITIES NOT DEPICTED ON THIS PLAN MAY EXIST. BEFORE EXCAVATIONS ARE BEGUN, THE PENNSYLVANIA ONE CALL SYSTEM AT 1-800-242-1776 SHALL BE CONTACTED AT LEAST 3-10 DAYS PRIOR TO COMMENCEMENT OF ANY DEMOLITION OR EXCAVATION ACTIVITIES IN ACCORDANCE WITH ALL APPLICABLE LAWS, RULES AND REGULATIONS.
- INFORMATION PERTAINING TO LOTS OTHER THAN THE SUBJECT PARCEL IS SHOWN FOR INFORMATIONAL PURPOSES ONLY.
- SITE LIES WITHIN THE MAPPED LIMITS OF FLOOD ZONE X, AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NO. 4207570184H, DATED 11/18/2015 FOR THE CITY OF PHILADELPHIA.
- PROJECT SITE IS NOT LOCATED IN A SPECIAL FLOOD HAZARD ZONE AND THERE ARE NO WETLANDS ON SITE. THERE ARE NO WATER COURSES OR BODIES OF WATER LOCATED WITHIN 100 FEET OF THE PROPERTY.



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No.	Date	Revisions

Seal:

ACT 187

IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PENNSYLVANIA ACT 187 AND TO CONTACT THE "ONE CALL SYSTEM" THREE (3) WORKING DAYS (UNLESS OTHERWISE NOTED) PRIOR TO START OF CONSTRUCTION.

PENNSYLVANIA ONE CALL: 1-800-242-1776

PHILADELPHIA WATER DEPARTMENT 1101 MARKET STREET, 2ND FLOOR PHILADELPHIA, PENNSYLVANIA (215) 685-6270	VERIZON 900 RACE STREET PHILADELPHIA, PENNSYLVANIA 19107 (215) 351-8947
PHILADELPHIA GAS WORKS 800 W. MONTGOMERY AVENUE, 3RD FLOOR PHILADELPHIA, PENNSYLVANIA 19122 (215) 684-6796	COMCAST 1351 S. COLUMBUS BOULEVARD PHILADELPHIA, PENNSYLVANIA 19147 (215) 952-4935
PECO-CONSTRUCTION DEPARTMENT 2301 MARKET STREET PHILADELPHIA, PENNSYLVANIA 19103 (215) 731-3264	

Drawn: SA Checked: NLC Approved: RSB

Job Number: 749
File:

Date: **05/10/2024**

Drawing Set: **100% CONSTRUCTION DOCUMENTS**

Drawing Title: **EXISTING SITE PLAN**

Drawing Number:

C100

PROTECT YOURSELF

WHAT YOU DON'T KNOW CAN HURT YOU.

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE & 10 WORKING DAYS IN DESIGN STAGE

Philadelphia One Call System, Inc.
1-800-242-1776

SITE LOCATION:
405-25 QUEEN ST
PHILADELPHIA, PA 19147

PROPERTY OWNER:
CITY OF PHILADELPHIA
1401 JOHN F. KENNEDY BLVD
PHILADELPHIA, PA 19102-1617

SCALE: 1" = 20'-0"

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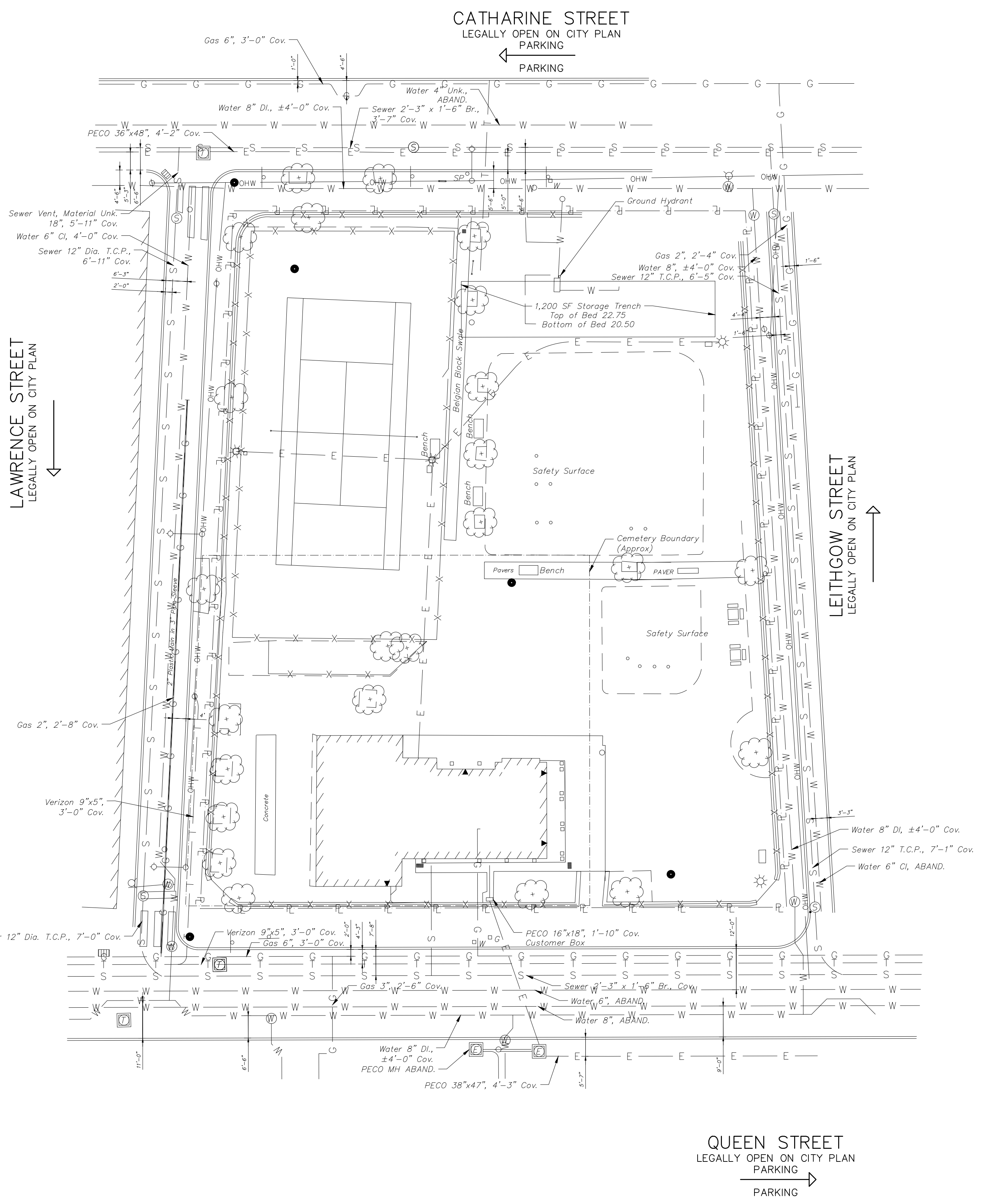
EXISTING LEGEND

	BUILDING
	CONCRETE CURB
	MAJOR CONTOUR LINE
	MINOR CONTOUR LINE
	GAS LINE
	POTABLE WATER
	SANITARY SEWER
	STORM SEWER
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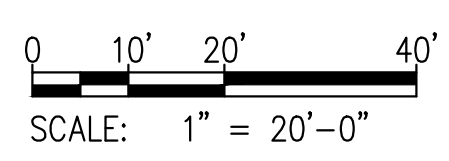
No.	Date	Revisions

Drawn: SA Checked: NLC Approved: RSB
 Job Number: 749
 File:
 Date: **05/10/2024**
 Drawing Set: **100% CONSTRUCTION DOCUMENTS**
 Drawing Title: **EXISTING UTILITIES PLAN**
 Drawing Number:

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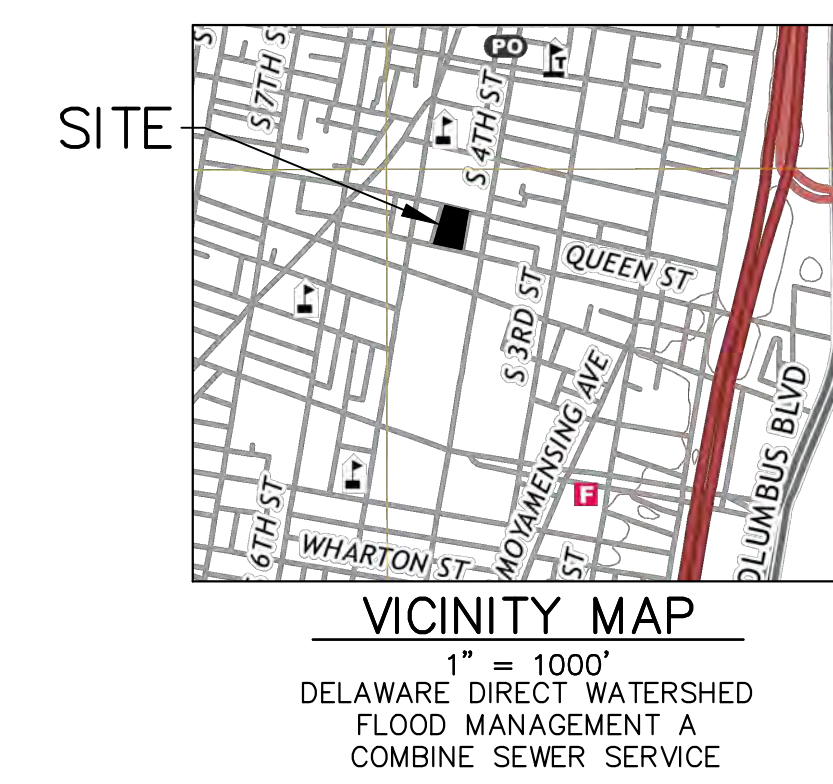
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C101

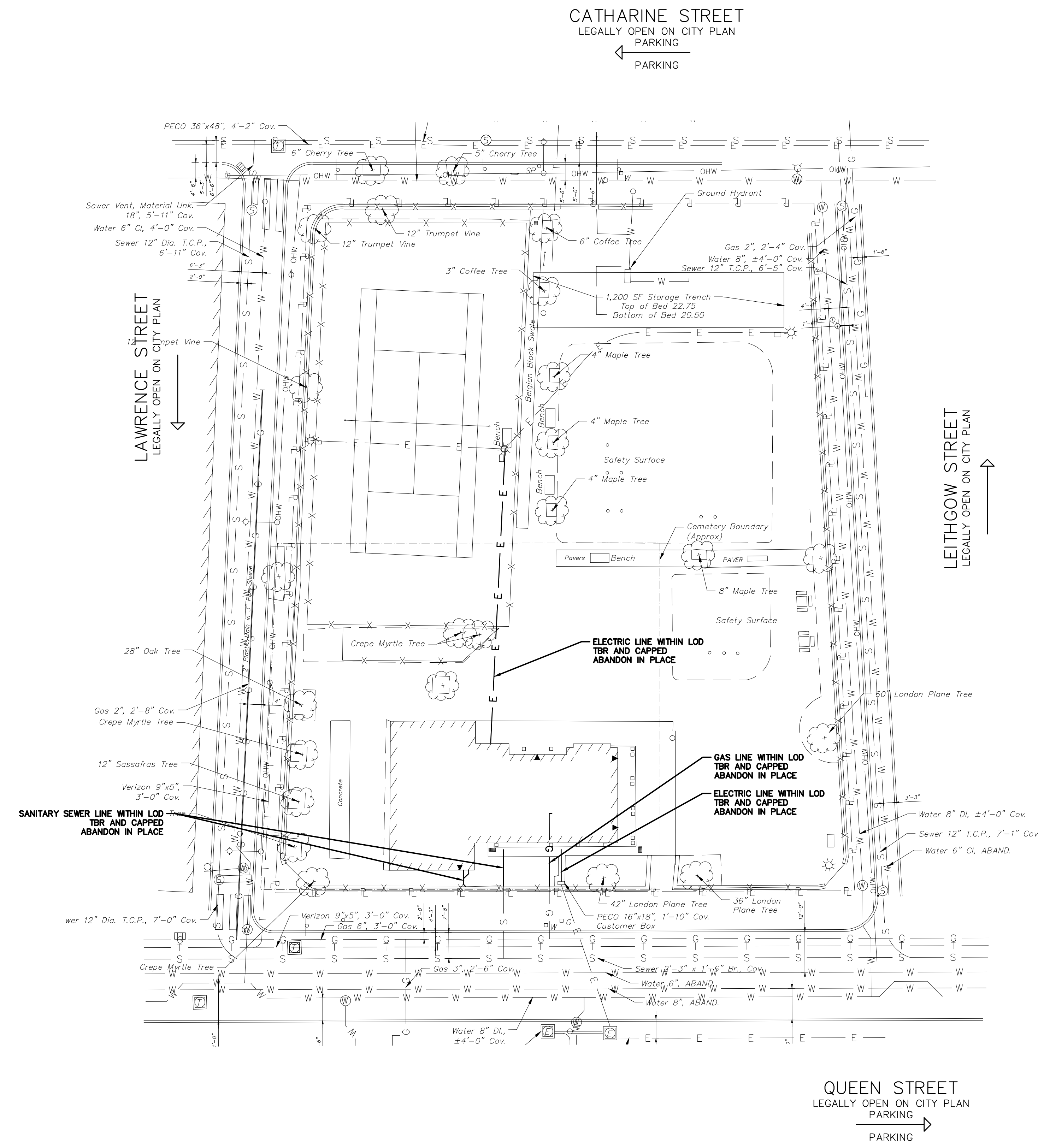
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 - ALL SITE WORK TO BE COMPLETED IN ACCORDANCE WITH LOCAL ORDINANCES AND SPECIFICATIONS INCLUDING, BUT NOT LIMITED TO, PHILADELPHIA DEPARTMENT OF STREETS, PHILADELPHIA WATER DEPARTMENT, AND THE PHILADELPHIA CODE.

No.	Date	Revisions

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Job Number: 749
 File: _____

Date: 05/10/2024

Drawing Set:
100% CONSTRUCTION DOCUMENTS

Drawing Title:
UTILITIES DEMOLITION PLAN

Drawing Number:
C201

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EXISTING LEGEND	
	BUILDING
	CONCRETE CURB
	MAJOR CONTOUR LINE
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PROPOSED LEGEND	
	LIMIT OF DISTURBANCE
	MAJOR CONTOUR LINE
	MINOR CONTOUR LINE
	PROPOSED FENCE
	PROPOSED STORM SEWER LINE
	PROPOSED WATER LINE
	PROPOSED FIRE SERVICE LINE
	PROPOSED SANITARY SEWER LINE
	PROPOSED ELECTRICAL CONDUIT
	PROPOSED FLOW ARROW
	AREA TO BE REMOVED

E&SC LEGEND	
	8 CFS
	12 CFS
	18 CFS
	24 CFS
	32 CFS
	FB
	TREE PROTECTION FENCE
	LIMIT OF DISTURBANCE AND PROJECT SITE BOUNDARY
	SILT FENCE
	RUMBLE PAD

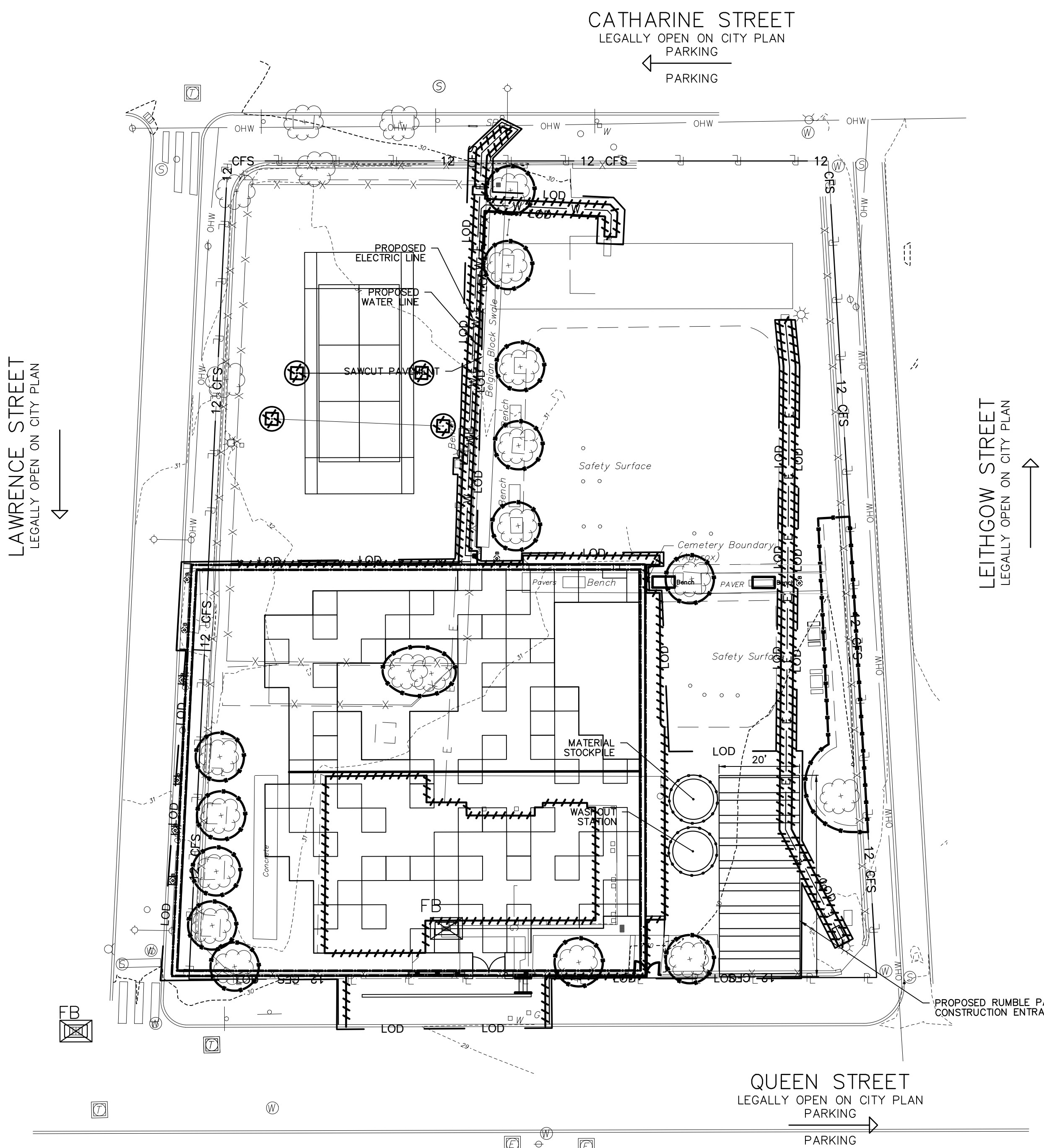
SOIL SYMBOL	SOIL DESCRIPTION	% OF SITE	RUNOFF CLASS	HYDRIC SOIL	SLOPE RANGE	DEPTH	SOIL LIMITATIONS
UdB	URBAN LAND	100.00%	LOW	NO	0-8%	0"-10"	N/A

EROSION AND SEDIMENT CONTROL (E&SC) NOTES:

- EXISTING CONCRETE AND BITUMINOUS PAVING TO BE SAW-CUT ALONG LIMIT OF DISTURBANCE LINE WITH A CLEAN CUT LINE TO A SUFFICIENT DEPTH TO ALLOW THE REMOVAL OF PAVING WITHOUT DISTURBING THE EXISTING PAVING THAT IS TO REMAIN
- THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION AND SHALL SAFELY AND LEGALLY DISPOSE OF ALL THESE ITEMS IN ACCORDANCE WITH APPLICABLE LOCAL, FEDERAL, STATE AND REGULATORY AUTHORITY HAVING JURISDICTION. RECYCLING MUST BE DONE IN ACCORDANCE WITH APPLICABLE REGULATIONS. BURNING OF ANY DEMOLISHED MATERIALS ON-SITE SHALL NOT BE PERMITTED. RECYCLING OF DEMOLITION DEBRIS SHALL BE APPROVED BY THE OWNER. ALL EXISTING FILL TO BE REMOVED FROM SITE IN ACCORDANCE WITH THE PA DEP MANAGEMENT OF FILL POLICY AND REGULATIONS.
- COMPOST FILTER SOCK ON PAVING TO BE WEIGHTED DOWN BY OBJECTS OF CONSIDERABLE MASS (SAND BAGS, CONCRETE BLOCK OR OTHER SUITABLE MATERIAL). COMPOST FILTER SOCK TO BE INSTALLED DOWNSTREAM OF ALL EARTH MOVING ACTIVITIES.
- INLET PROTECTION IN ROADWAYS NOT TO INCLUDE STONE OR BERMS FOR ROADWAY MAINTENANCE PURPOSES.
- MAXIMUM HEIGHT FOR STOCKPILE AREAS TO BE 20 FEET. THE MAXIMUM SIDE SLOPE FOR STOCKPILE AREAS NOT TO EXCEED 2H:1V.
- RUMBLE PAD TO BE SIZED IN ACCORDANCE WITH PA DEP MINIMUM REQUIREMENTS OF 50'L X 20'W AND INSTALLED.
- CONSTRUCTION, DEMOLITION AND EARTHWORK DUST CONTROL TO BE COMPLETED IN ACCORDANCE WITH THE CITY OF PHILADELPHIA DUST CONTROL REQUIREMENTS (AIR MANAGEMENT REGULATION (AMR) II, SECTION IX.) AND TO INCLUDE BUT NOT LIMITED TO:
 - NOTIFY OCCUPANTS OF NEARBY PROPERTIES, IN WRITING 10 DAYS BEFORE ENGAGING IN EARTHWORK, CONSTRUCTION AND DEMOLITION ACTIVITIES.
 - USE OF VACUUM OR SIMILAR SUCTION SYSTEMS TO CAPTURE DUST KICKED UP BY POWER TOOLS WHEN GRINDING OR CUTTING.
 - APPLICATION OF WATER OR APPROVED DUST CONTROL SUPPRESSANT DURING EXCAVATION, DEMOLITION AND/OR CONSTRUCTION TO SUPPRESS DUST FORMATION.
 - COVERING AND WETTING OF STOCKPILES EARTH, SAND, GRAVEL AND OTHER SIMILAR CONSTRUCTION MATERIALS.
 - ALL PERIMETER FENCING MUST HAVE DUST CONTROL FABRIC AND MUST MEASURE A MINIMUM OF 5 FT IN HEIGHT FROM THE BOTTOM OF FENCING.
 - 10 MILE PER HOUR SPEED LIMIT FOR ALL EQUIPMENT AND TRUCKS TRAVELING WITHIN THE WORK SITE.
 - WETTING AND SWEEPING OF ROADWAYS / ACCESS ROAD IN A WORK SITE TO PREVENT DUST FORMATION.

MAINTENANCE NOTES:

- ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:
 - INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
 - ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
 - COMPOST FILTER SOCKS SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED WHEN IT REACHES ONE-HALF THE HEIGHT OF THE EXPOSED COMPOST FILTER SOCK.
 - THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCE AS CONDITIONS DEMAND.



LIMIT OF DISTURBANCE (LOD) SUMMARY		
ON-SITE	13,655 S.F.	0.31 ACRES
PUBLIC R.O.W.	892 S.F.	0.02 ACRES
TOTAL	14,547 S.F.	0.33 ACRES

PA ONE CALL SERIAL NO. 20231642217, 20131642279, 20231642344, 20231642431
ACT 187

IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PENNSYLVANIA ACT 187 AND TO CONTACT THE "ONE CALL SYSTEM" THREE (3) WORKING DAYS (UNLESS OTHERWISE NOTED) PRIOR TO START OF CONSTRUCTION.	
PENNSYLVANIA ONE CALL: 1-800-242-1776	
PHILADELPHIA WATER DEPARTMENT 1101 MARKET STREET, 2nd FLOOR PHILADELPHIA, PENNSYLVANIA (215) 685-6270	VERIZON 900 RACE STREET PHILADELPHIA, PENNSYLVANIA 19107 (215) 351-8947
PHILADELPHIA GAS WORKS 800 W. MONTGOMERY AVENUE, 3RD FLOOR PHILADELPHIA, PENNSYLVANIA 19122 (215) 684-6796	COMCAST 1351 S. COLUMBUS BOULEVARD PHILADELPHIA, PENNSYLVANIA 19147 (215) 952-4935
PECO-CONSTRUCTION DEPARTMENT 2301 MARKET STREET PHILADELPHIA, PENNSYLVANIA 19103 (215) 731-3264	

GENERAL NOTES:

- ALL DIMENSIONS ARE SHOWN IN U.S. SURVEY FEET.
- SURVEY INFORMATION OBTAINED FROM A FIELD SURVEY PERFORMED BY KSE ON 07/10/2023 THRU 07/21/2023. SURVEY BASED ON P.A.S.P.C.S. (SOUTH ZONE) NAD83. BEARINGS SHOWN ARE PER CITY PLAN AND DEED OF RECORD. ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988.
- SUBJECT TO ALL RESTRICTIONS, EASEMENTS AND/OR COVENANTS OF RECORD EITHER WRITTEN OR IMPLIED THAT MAY NOT APPEAR OF THIS PLAN.
- IF BUILDINGS ARE ON THIS PLAN, BUILDING OFFSET DISTANCES SHOWN ARE FOR THE PURPOSE OF CHECKING COMPLIANCE WITH ZONING AND DEED RESTRICTIONS ONLY. NO LIABILITY WILL BE ACCEPTED IF THESE DISTANCES ARE USED FOR ANY OTHER PURPOSES.
- UNDERGROUND UTILITIES AS SHOWN TAKEN FROM FIELD EVIDENCE AND PLANS AS PROVIDED BY THE VARIOUS UTILITY AUTHORITIES (PA ONE CALL SERIAL NO. 20231642217, 20231642279, 20231642344, & 20231642431). THE ACCURACY REGARDING UTILITY LOCATION AND/OR DEPTH CANNOT BE GUARANTEED AND ADDITIONAL UNDERGROUND UTILITIES NOT DEPICTED ON THIS PLAN MAY EXIST. BEFORE EXCAVATIONS ARE BEGUN, THE PENNSYLVANIA ONE CALL SYSTEM AT 1-800-242-1776 SHALL BE CONTACTED AT LEAST 3-10 DAYS PRIOR TO COMMENCEMENT OF ANY DEMOLITION OR EXCAVATION ACTIVITIES IN ACCORDANCE WITH ALL APPLICABLE LAWS, RULES AND REGULATIONS.
- INFORMATION PERTAINING TO LOTS OTHER THAN THE SUBJECT PARCEL IS SHOWN FOR INFORMATIONAL PURPOSES ONLY.
- SITE LIES WITHIN THE MAPPED LIMITS OF FLOOD ZONE X, AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NO. 4207570184H, DATED 11/18/2015 FOR THE CITY OF PHILADELPHIA.
- PROJECT SITE IS NOT LOCATED IN A SPECIAL FLOOD HAZARD ZONE AND THERE ARE NO WETLANDS ON SITE. THERE ARE NO WATER COURSES OR BODIES OF WATER LOCATED WITHIN 100 FEET OF THE PROPERTY.

PROTECT YOURSELF



WHAT YOU DON'T KNOW CAN HURT YOU.

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE & 10 WORKING DAYS IN DESIGN STAGE
Pennsylvania One Call System, Inc.
1-800-242-1776

PWD TRACKING No. FY24-BETH-7618-01

SITE LOCATION:
405-25 QUEEN ST
PHILADELPHIA, PA 19147

PROPERTY OWNER:
CITY OF PHILADELPHIA
1401 JOHN F. KENNEDY BLVD
PHILADELPHIA, PA 19102-1617

0 10' 20' 40'
SCALE: 1" = 20'-0"



VICINITY MAP
1" = 1000'
DELAWARE DIRECT WATERSHED FLOOD MANAGEMENT A COMBINE SEWER SERVICE

BETHEL BURYING GROUND MEMORIAL PROJECT AT WECCACOE PLAYGROUND

Design Team:

ARTIST
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215 399 4300

No.	Date	Revisions

Seal:

Drawn: SA Checked: NLC Approved: RSB

Job Number: 749
File:

Date: 05/10/2024

Drawing Set: 100% CONSTRUCTION DOCUMENTS

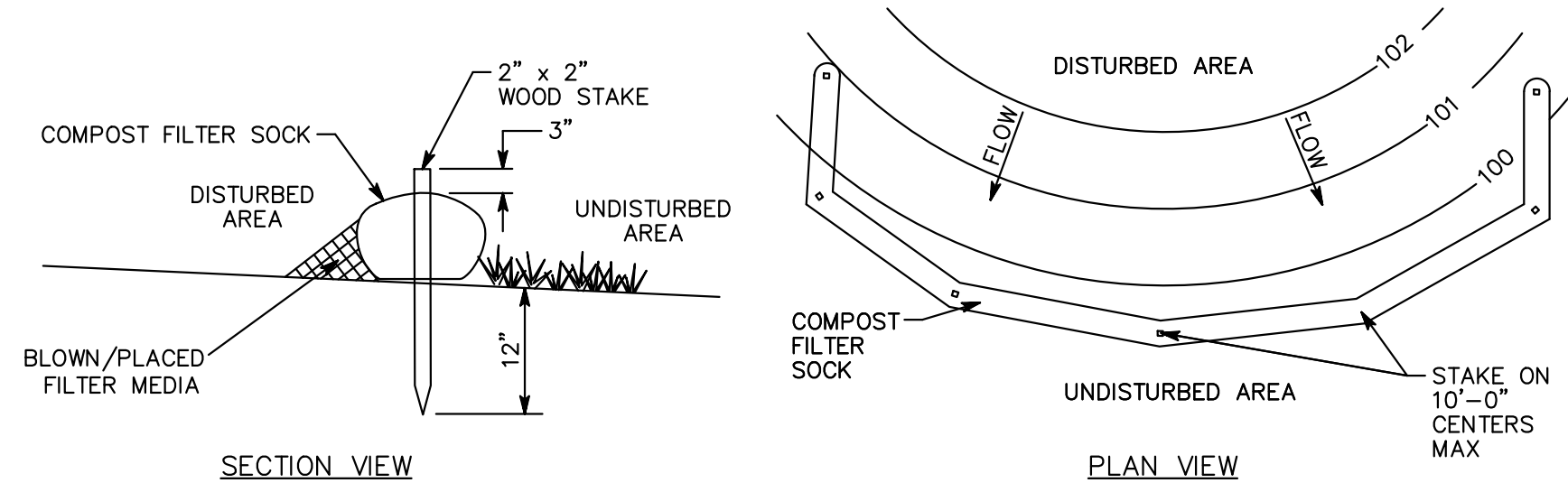
EROSION AND SEDIMENT CONTROL PLAN

Drawing Number:

CE100

Material Type	3 mil HDPE	5 mil HDPE	6 mil HDPE	Multi-Filament Polypropylene (MFPP)	Heavy Duty Multi-Filament Polypropylene (HDMFPP)
Material Characteristics	Photo-degradable	Photo-degradable	Bio-degradable	Photo-degradable	Photo-degradable
Sock Diameters	12", 18"	12", 15", 18", 24"	12", 15", 18", 24", 32"	12", 15", 18", 24", 32"	12", 18", 24"
Mesh Opening	3/8"	3/8"	3/8"	3/8"	1/2"
Tensile Strength		26 psi	26 psi	44 psi	202 psi
Ultraviolet Stability %					
Original Strength	23% at 1000 hr.	23% at 1000 hr.		100% at 1000 hr.	100% at 1000 hr.
Minimum Functional Longevity	6 months	9 months	6 months	1 year	2 years
Two-ply systems					
Inner Containment Netting	HDPE biaxial net				
	Continuously wound				
Outer Filtration Mesh	Fusion-welded junctures				
	3/4" X 3/4" Max. aperture size				
	Composite Polypropylene Fabric (Woven layer and non-woven fleece mechanically fused via needle punch)				
3/16" Max. aperture size					
Sock fabrics composed of burlap may be used on projects lasting 6 months or less.					

Organic Matter Content	80% - 100% (dry weight basis)
Organic Portion	Fibrous and elongated
pH	5.5 - 8.0
Moisture Content	35% - 55%
Particle Size	80% pass through 1" screen
Soluble Salt Concentration	5.0 g/50m (maximum)



- SECTION VIEW PLAN VIEW
- REMOVE DEPOSITS WHEN SEDIMENT ACCUMULATION IS ONE HALF THE HEIGHT OF THE EXPOSED COMPOST FILTER SOCK.
 - PLACE COMPOST FILTER SOCK ON LEVEL GRADE. EXTEND BOTH ENDS OF THE COMPOST FILTER SOCK AT LEAST 8'-0" UPSLOPE AT 45 DEGREES TO THE MAIN ALIGNMENT.
 - REPLACE BIODEGRADABLE FILTER SOCK AFTER 6 MONTHS; PHOTODEGRADABLE AFTER 12 MONTHS.
 - ALL DIMENSIONS ARE IN U.S. CUSTOMARY UNITS.
 - CONTRACTOR SHALL PROVIDE SAND BAGS, CONCRETE BLOCKS, OR OTHER SUITABLE MATERIAL TO STABILIZE COMPOST FILTER SOCK ON PAVED AREAS AND PREVENT IT FROM MOVING OR SHIFTING.
 - STABILIZING DEVICES SHALL BE SPACED 10 FEET ON CENTER OR AS RECOMMENDED BY THE MANUFACTURER, WHICHEVER IS LESS.
 - SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
 - TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.

COMPOST FILTER SOCK

TOPSOIL APPLICATION

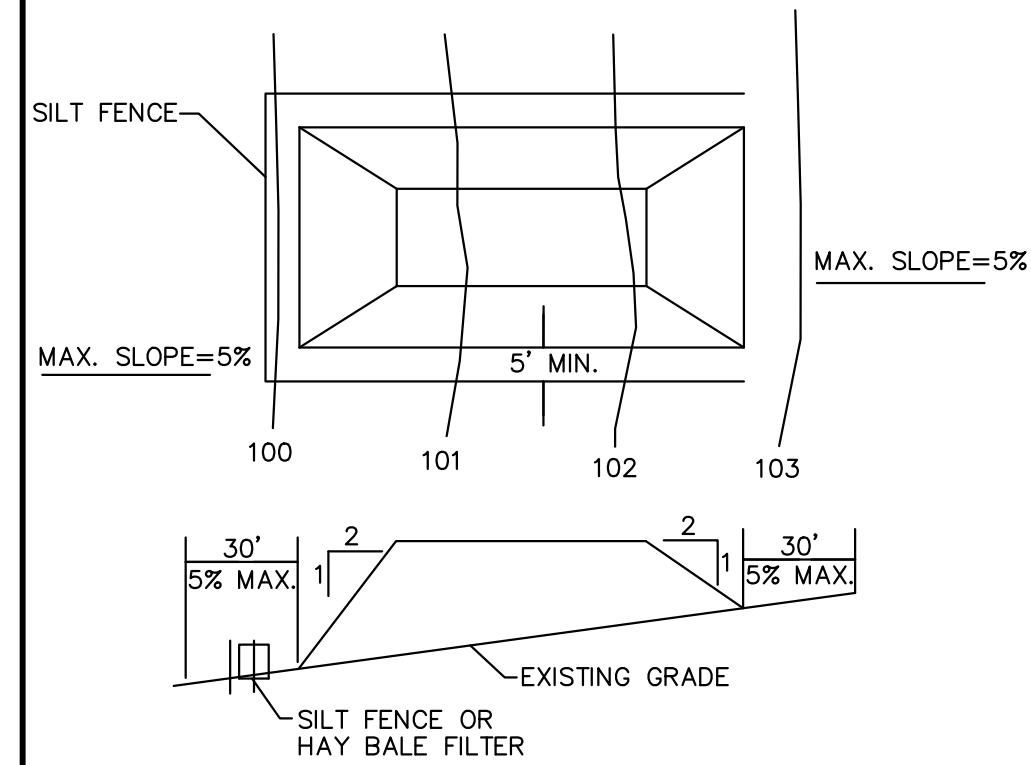
Graded areas should be scarified or otherwise loosened to a depth of 3 to 5 inches to permit bonding of the topsoil to the surface areas and to provide a roughened surface to prevent topsoil from sliding down slope.

Topsoil should be uniformly distributed across the disturbed area to a depth of 4 to 8 inches minimum — 2 inches on fill outcrops. Spreading should be done in such a manner that seeding or sodding can proceed with a minimum of additional preparation or tillage. Irregularities in the surface resulting from topsoil placement should be corrected in order to prevent formation of depressions unless such depressions are part of the PCSM plan.

Topsoil should not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet, or in a condition that may otherwise be detrimental to proper grading and seedbed preparation. Compacted soils should be scarified 6 to 12 inches along contour wherever possible prior to seeding.

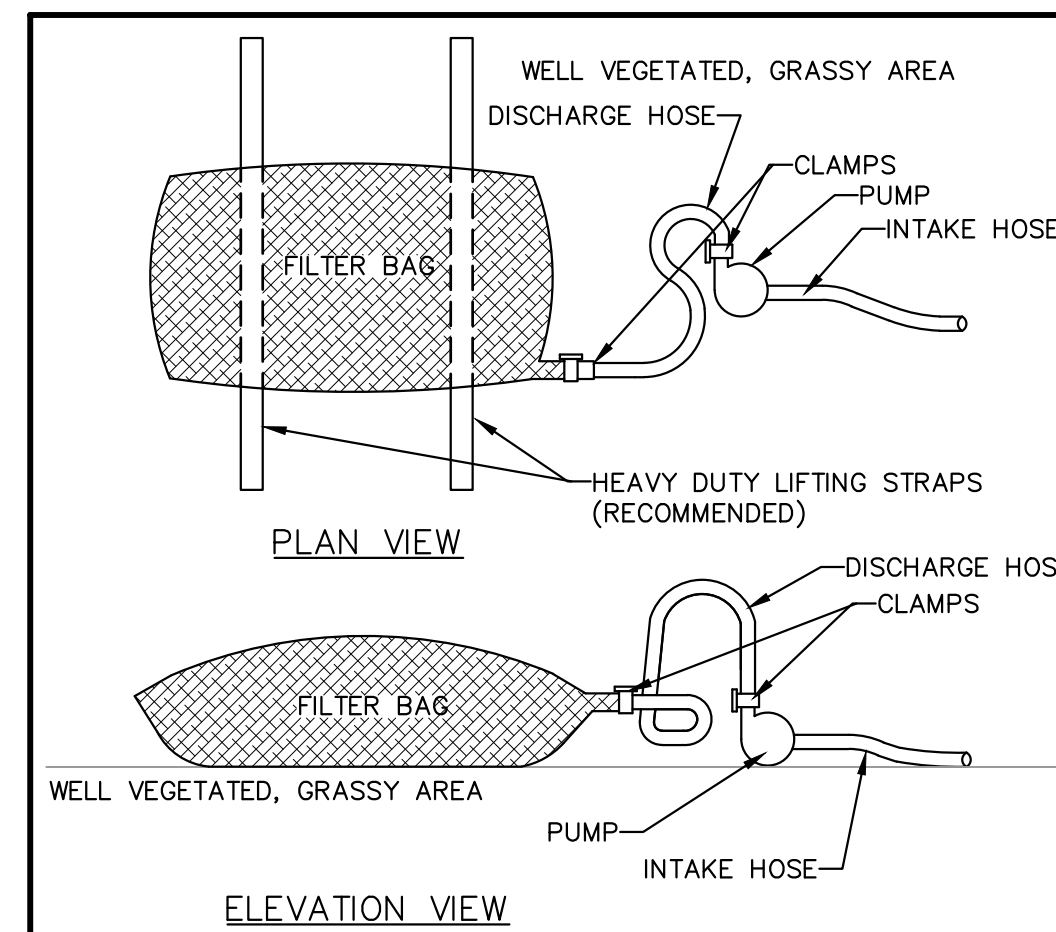
Depth (in)	Per 1,000 Square Feet	Per Acre
1	3.1	134
2	6.2	268
3	9.3	403
4	12.4	537
5	15.5	672
6	18.6	806
7	21.7	940
8	24.8	1,074

Adapted from VA DSWC

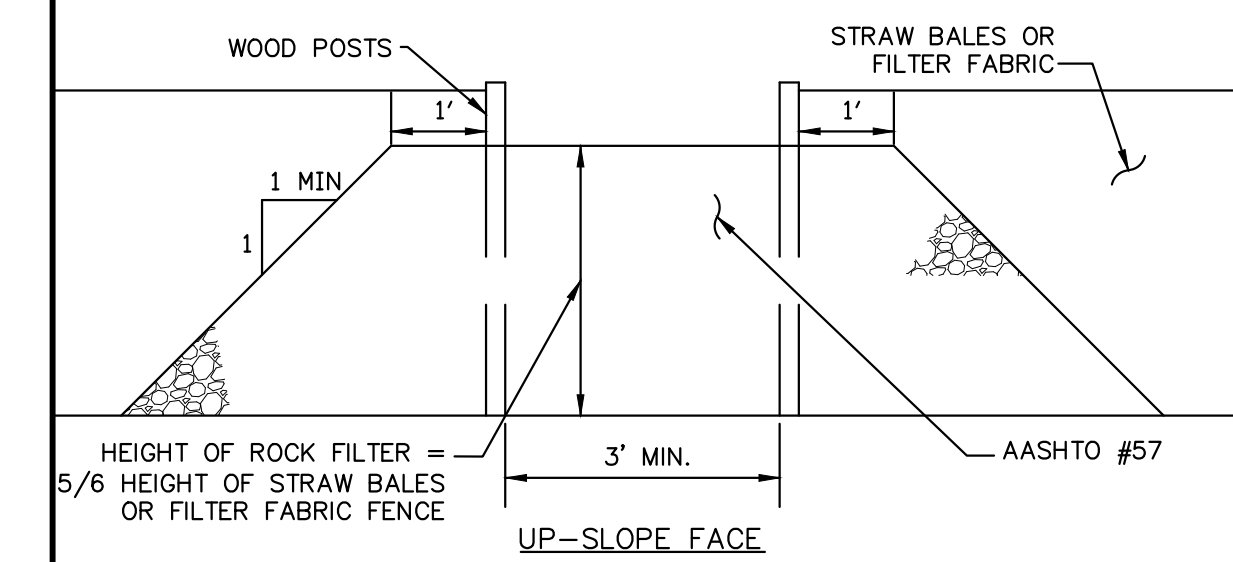
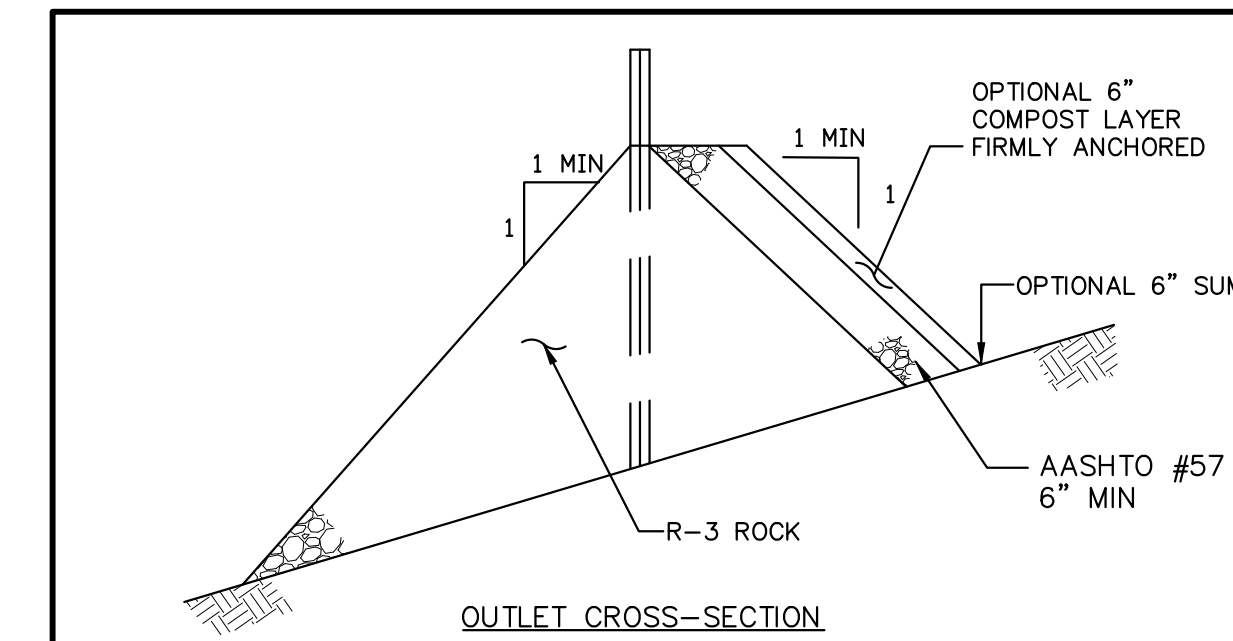


- NOTES:
- PLACE STOCKPILES AT LOCATIONS AS SHOWN ON THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
 - ALL SIDE SLOPES SHALL BE 2H:1V OR FLATTER.
 - STOCKPILE SHALL RECEIVE A VEGETATIVE COVER IN ACCORDANCE WITH MINIMUM STABILIZATION REQUIRED.
 - SILT FENCE SHALL BE INSTALLED AS DETAILED HEREON.
 - STOCKPILE NOT TO EXCEED 20 FEET IN HEIGHT.

TEMPORARY STOCKPILE

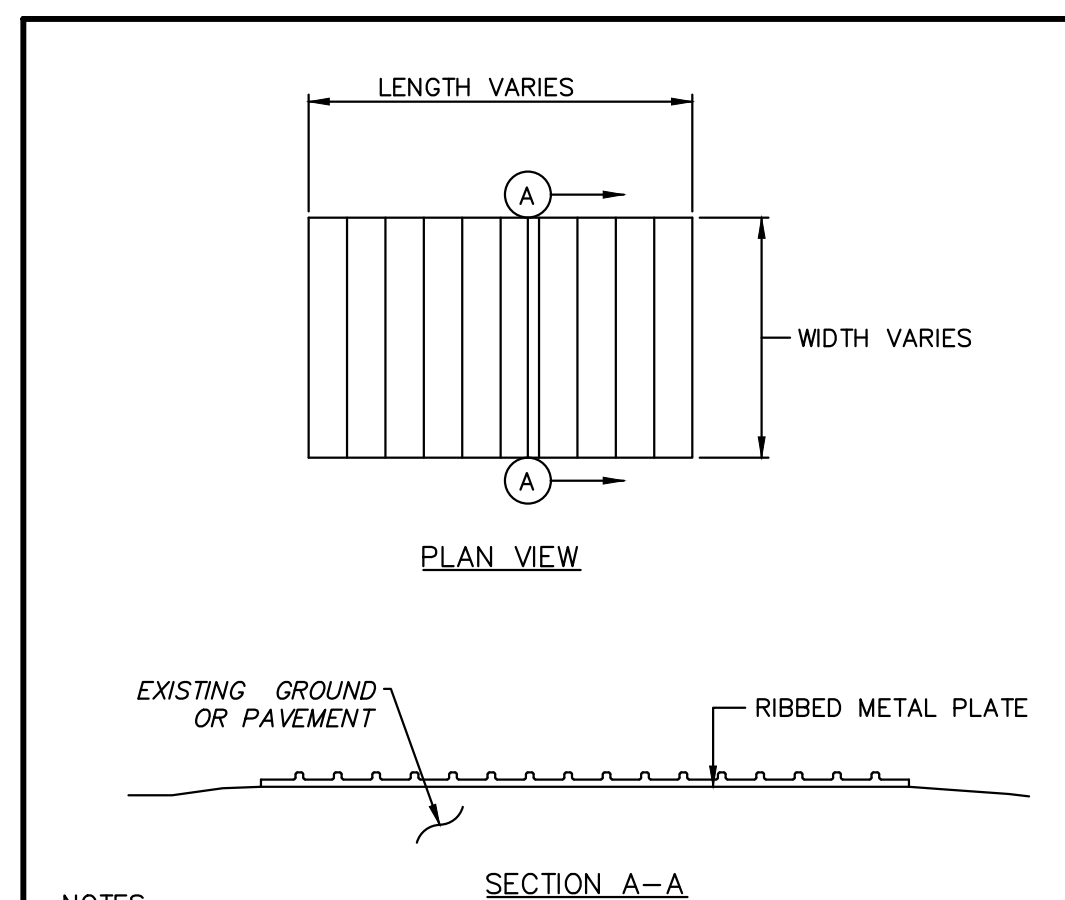


PUMPED WATER FILTER BAG



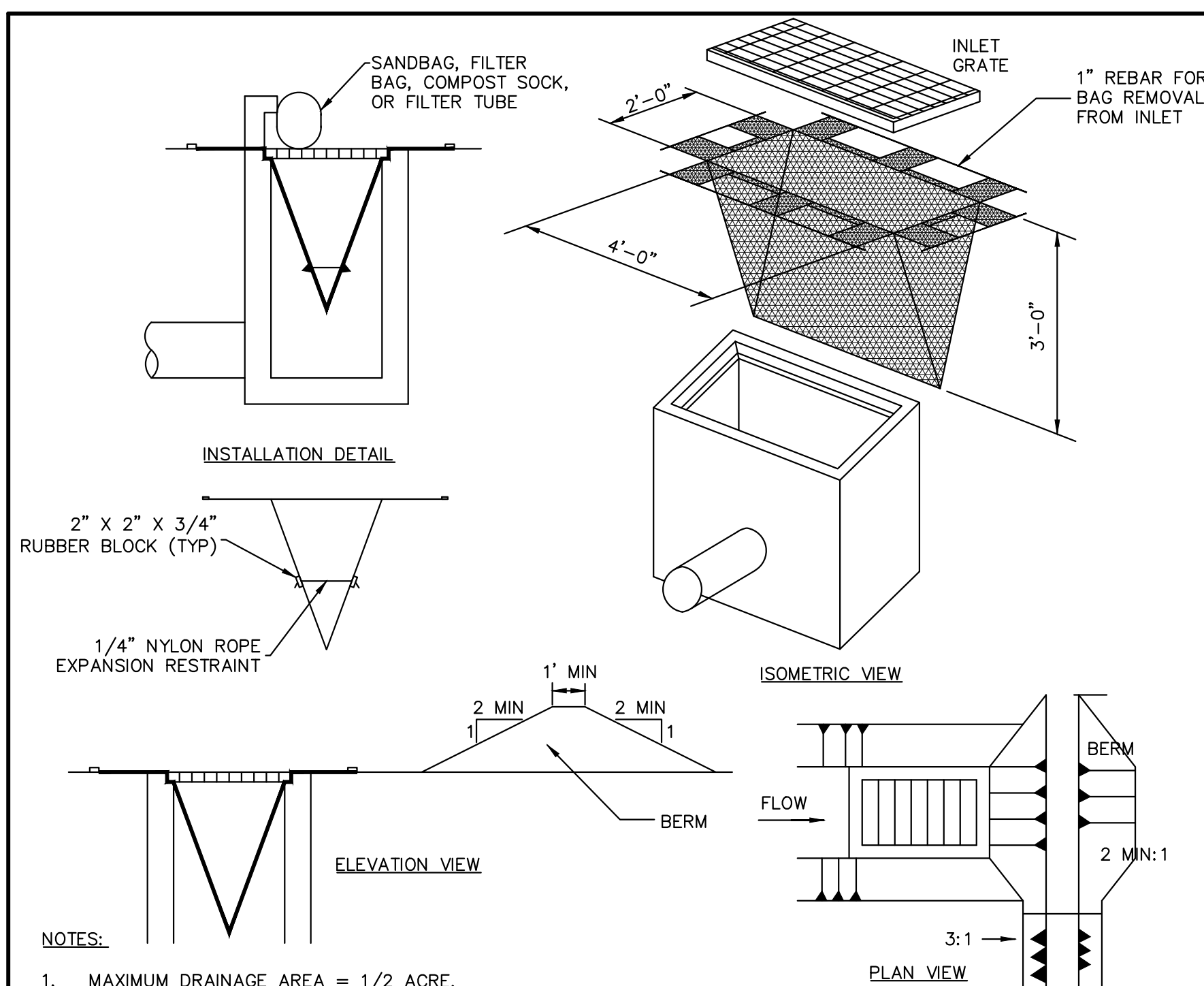
- Notes:
- A rock filter outlet shall be installed where failure of a silt fence or straw barrier has occurred due to concentrated flow. Anchored compost layer shall be used on upslope face in HQ and EV watersheds.
 - Sediment must be removed when accumulations reach 1/3 the height of the outlet.

ROCK FILTER OUTLET



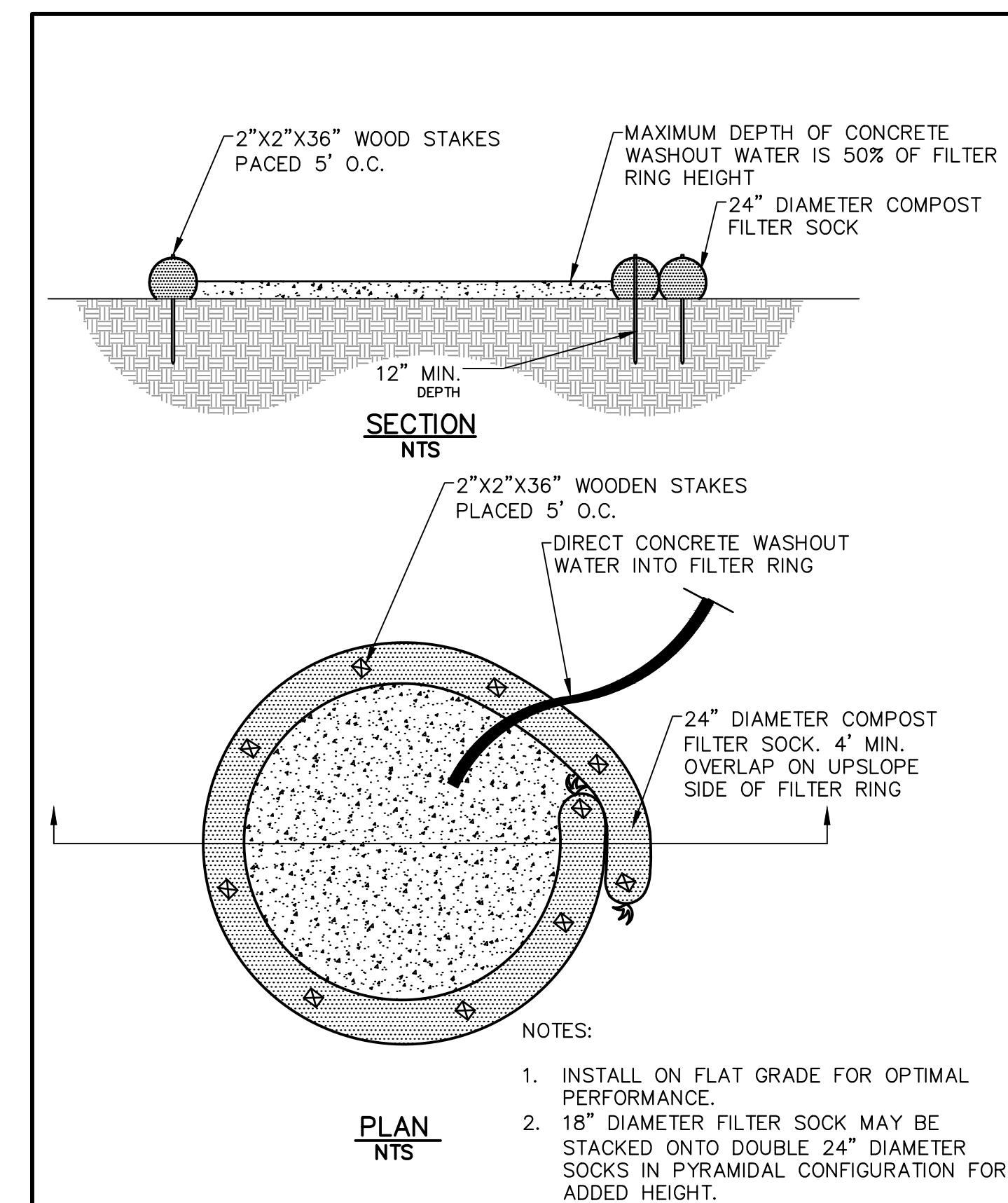
- NOTES:
- PRE-CONSTRUCTED RUMBLE PADS ARE TO BE USED IN LIEU OF ROCK CONSTRUCTION ENTRANCE. RUMBLE PAD SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND A SUFFICIENT NUMBER OF PADS SHALL BE INSTALLED TO PROVIDE FOR A MINIMUM OF FOUR (4) TIRE REVOLUTIONS WHILE ON THE PAD. MORE PADS MAY BE NEEDED DEPENDING ON SITE CONDITIONS. ACCUMULATED MATERIALS SHOULD BE CLEANED FROM THE PADS DAILY (MORE OFTEN IF NECESSARY) AND DISPOSED IN THE MANNER SPECIFIED BY THE PLAN.
 - MINIMUM SIZE 50'L X 20'W

RUMBLE PAD (CONSTRUCTION ENTRANCE)



- NOTES:
- MAXIMUM DRAINAGE AREA = 1/2 ACRE.
 - INLET PROTECTION IS NOT REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS REQUIRED FOR ALL INSTALLATIONS.
 - EARTHEN BERM IN ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR TO REMAIN PERMANENTLY.
 - DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS

FILTER BAG INLET PROTECTION



COMPOST SOCK WASHOUT STATION

BETHEL BURYING GROUND MEMORIAL PROJECT AT WECCACOE PLAYGROUND

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No.	Date	Revisions

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Job Number: 749
File:

Date: 05/10/2024

Drawing Set: 100% CONSTRUCTION DOCUMENTS

Drawing Title: EROSION AND SEDIMENT CONTROL DETAILS

Drawing Number:

CE501

STANDARD EROSION AND SEDIMENT CONTROL NOTES:

- 1. AN INDUSTRIAL WASTE PERMIT WILL BE REQUIRED SHOULD PUMPING TO CITY-OWNED INFRASTRUCTURE BECOME NECESSARY DURING CONSTRUCTION. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS.
- 2. INLET PROTECTION SHOULD BE PROVIDED FOR ALL INLETS OWNED BY PWD THAT ARE LOCATED WITHIN ONE BLOCK OF THE PROJECT SITE.
- 3. PWD IS NOT RESPONSIBLE FOR ANY CLEANING OR REPAIRS NEEDED ON CITY-OWNED INFRASTRUCTURE DUE TO FAILURE OF ANY EROSION AND SEDIMENT CONTROL PRACTICES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE FUNCTIONING IN ACCORDANCE WITH THE APPROVED PLANS.
- 4. INSPECTION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHALL OCCUR ON A WEEKLY BASIS, BEFORE ANY ANTICIPATED PRECIPITATION EVENTS, AND AFTER ALL PRECIPITATION EVENTS.
- 5. THE MAXIMUM HEIGHT FOR STOCKPILES AREAS SHALL BE 20 FEET. THE MAXIMUM SIDE SLOPE FOR STOCKPILE AREAS SHALL NOT EXCEED 2:1.
- 6. THE ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED ON-SITE. A STOCKPILE SHALL BE MAINTAINED ON-SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- 7. FILTER FABRIC FENCE SHOULD BE INSTALLED AT LEVEL GRADE. BOTH ENDS OF EACH FENCE SECTION SHOULD BE EXTENDED AT LEAST 8 FEET UPSLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. SUPPORT STAKES SHALL BE SPACED AT A MAXIMUM OF 8 FEET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE FILTER FENCE.
- 8. ANY FENCE SECTION WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET. SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET.
- 9. EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS.
- 10. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY PWD AND PA DEP.
- 11. UNTIL THE SITE IS STABILIZED, ALL E&S BMP'S SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL E&S BMP'S PRIOR TO ANY ANTICIPATED STORM EVENT, AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING, AND RESETTING, MUST BE PERFORMED IMMEDIATELY. IF E&S BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S, OR MODIFICATIONS OF THOSE INSTALLED, WILL BE REQUIRED.
- 12. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING, AS WELL AS CUTS AND FILLS, SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. PWD SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. PWD MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- 13. AT LEAST THREE (3) DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- 14. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING BY PWD AND THE PA DEP PRIOR TO IMPLEMENTATION.
- 15. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL.
- 16. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING, AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OF THE PROJECT UNTIL THE E&S BMP'S SPECIFIED BY THE BMP'S SEQUENCE FOR THAT STAGE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
- 17. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
- 18. A LOG SHOWING DATES THAT E&S BMP'S WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO PWD AT THE TIME OF INSPECTION.
- 19. ALL SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF IN THE FOLLOWING MANNER: REMOVAL AND DISPOSAL TO BE AT AN OFF-SITE LOCATION IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- 20. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF THREE TO FIVE INCHES -- SIX TO 12 INCHES ON COMPACTED SOILS -- PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM FOUR INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF TWO INCHES OF TOPSOIL.

- 21. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE, OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES, AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
- 22. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED NINE INCHES IN THICKNESS.
- 23. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- 24. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- 25. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- 26. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- 27. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
- 28. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUB-AREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN ONE YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN ONE YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- 29. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
- 30. E&S BMP'S SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP'S APPROVED BY PWD AND PA DEP.
- 31. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY E&S BMP'S MUST BE REMOVED OR CONVERTED TO PERMANENT POST-CONSTRUCTION STORMWATER MANAGEMENT PRACTICES. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE E&S BMP'S SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
- 32. SEDIMENT BASINS AND/OR TRAPS SHALL BE KEPT FREE OF ALL CONSTRUCTION WASTE, WASH WATER, AND OTHER DEBRIS HAVING POTENTIAL TO CLOG THE BASIN/TRAP OUTLET STRUCTURES AND/OR POLLUTE THE SURFACE WATERS. (WHEN APPLICABLE)
- 33. DURING CONSTRUCTION, THE SELECTED CONTRACTOR IS EXPECTED TO FOLLOW THE PCSMP APPROVED BY PWD (WHERE APPLICABLE). NO CHANGE OR DEVIATION FROM THE APPROVED PCSMP IS PERMITTED WITHOUT PRIOR APPROVAL FROM PWD.
- 34. ALL WORK ASSOCIATED WITH PWD WATER CONVEYANCE AND SEWER INFRASTRUCTURE SHALL BE DONE IN ACCORDANCE WITH THE CITY OF PHILADELPHIA WATER DEPARTMENT "WATER MAIN STANDARD DETAILS AND CORROSION CONTROL SPECIFICATIONS", 1985 EDITION, AND "STANDARD DETAILS AND STANDARD SPECIFICATIONS FOR SEWERS", 1985 EDITION.
- 35. CONTACT PWD WATER TRANSPORT RECORDS (1101 MARKET STREET, 2ND FLOOR, PHONE: 215-685-6271) FOR ADDITIONAL APPROVALS AND PERMITS REQUIRED FOR ALL WATER SERVICES, METERS, AND CONNECTIONS TO THE EXISTING AND/OR PROPOSED PWD FACILITIES.
- 36. ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE PADEP'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET SEQ., 271.1 AND 287.1 ET SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- 37. A DUST CONTROL PERMIT WILL BE REQUIRED WHEN COMPLETELY DEMOLISHING A BUILDING OR STRUCTURE THAT IS MORE THAN THREE (3) STORES, GREATER THAN FORTY (40) FEET TALL, OR ENCOMPASSES MORE THAN TEN THOUSAND (10,000) SQUARE FEET; COMPLETELY OR PARTIALLY DEMOLISHING ANY BUILDING OR STRUCTURE BY IMPLOSION; OR ENGAGING IN EARTHWORKS, DEFINED AS "CLEANING, GRUBBING, OR EARTH DISTURBANCE OF ANY LAND EXCESS OF 5,000 SQUARE FEET."

SITE STABILIZATION METHODS (TEMPORARY & PERMANENT STABILIZATION)

- 1. STRAW MULCH MUST BE APPLIED AT 3.0 TONS PER ACRE.
- 2. MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS MUST BE INSTALLED ON ALL SLOPES GREATER THAN 3:1.
- 3. STRAW MULCH SHALL BE APPLIED IN LONG STRANDS, NOT CHOPPED OR FINELY BROKEN.

TEMPORARY SEEDING

- 1. THE FOLLOWING SURFACES OF THE SITE SHALL BE TEMPORARILY SEEDDED AND MULCHED:

- A. THE SURFACE OF TOPSOIL STOCKPILES.
- B. THE SURFACE OF EXPOSED EARTH AREAS THAT WILL BE EXPOSED WITHOUT CONSTRUCTION ACTIVITY THEREON.
- 2. SEEDING SHALL OCCUR IMMEDIATELY AFTER ESTABLISHMENT OF THE TOPSOIL STOCKPILES OR ROUGH GRADED AREAS. THE FOLLOWING SHALL BE PLANTED:
A. 40 LBS./ACRE ANNUAL RYE GRASS -- COMMON, 100% P.L.S.
- 3. PREPARE AREAS TO BE SEEDDED AS FOLLOWS:
A. REMOVE ALL DEBRIS, INCLUDING LARGE STONES. APPLY LIME AT A RATE OF 3 TONS PER ACRE AND FERTILIZER AT THE RATE OF 50-50-50 PER ACRE AND WORK INTO SOIL.
B. SOW SEED AT THE INDICATED RATE. DIVIDE SEED INTO TWO EQUAL LOTS. SOW ONE LOT IN ONE DIRECTION. SOW SECOND LOT AT RIGHT ANGLE TO FIRST. RAKE SEEDDED AREA SLIGHTLY. ROLL SURFACE LIGHTLY TO FIRM SOIL AROUND SEED.
- 4. PLACE CLEAN DRY STRAW OR HAY MULCH WITHIN 48 HOURS AFTER SEEDING. PLACE AT THE RATE OF 3 TONS PER ACRE.
- 5. SEEDING DATES SHALL BE BETWEEN MARCH 1 AND NOVEMBER 15.

TEMPORARY MULCHING

- 1. MULCH PROPOSED LANDSCAPE AREAS OR TOPSOIL STOCKPILES IF EARTHWORK IS COMPLETED OUTSIDE OF THE RECOMMENDED PLANTING SEASONS FOR TEMPORARY SEEDING OR DUE TO UNFAVORABLE WEATHER CONDITIONS.
- 2. MULCH SHALL BE APPLIED IMMEDIATELY FOLLOWING THE ESTABLISHMENT OF THE TOPSOIL STOCKPILE OR ROUGH GRADING.
- 3. MULCH WITH SUITABLE FIBROUS GROUND, SHREDDED AGED HARDWOOD, PINE WOOD BARK OR STRAW, UNIFORMLY AND CONTINUOUSLY TO A LOOSE DEPTH OF 3 INCHES MINIMUM. ANCHOR AS REQUIRED.
- 4. PROPERLY MAINTAIN MULCHED AREAS UNTIL PERMANENT STABILIZATION MEASURES ARE COMPLETE. REAPPLY MULCH MATERIALS WHICH BECOME DISLOGGED AS INITIAL OR MODIFIED RATES AS NECESSARY. IF A SLOPE FAILURE OCCURS WHICH REQUIRES REDRESSING, EXCAVATION, OR THE ESTABLISHMENT OF A NEW SLOPE, REPLACE MULCH AS NECESSARY.

PERMANENT SEEDING

- 1. PERMANENT SEEDING SHALL OCCUR IMMEDIATELY AFTER THE FINAL GRADING IS COMPLETED. THE FOLLOWING SEED SHALL BE PLACED UNLESS OTHERWISE SPECIFIED ON THE PLANS OR DIRECTED IN THE FIELD.
THE FOLLOWING SEED MIX SHALL BE USED:
A. 40% PENNLAWN FINE FESCUE
B. 3% RED TOP
C. 20% CHAMPION PERENNIAL RYE GRASS QUANTITIES ARE OF PURE LIVE SEED (P.L.S.) SPREAD AT A RATE OF 63 LBS. PER ACRE.
- 2. REMOVE ALL DEBRIS, INCLUDING LARGE STONES. TILL SOIL TO A DEPTH OF FOUR INCHES TO SIX INCHES. APPLY LIME AT A RATE OF 4 TONS PER ACRE. APPLY COMMERCIAL 10-20-20 FERTILIZER AT A RATE OF 930 LBS. PER ACRE. WORK FERTILIZER INTO TOP INCH OF SOIL.
- 3. SEED ONLY AT THE FOLLOWING TIMES:
A. SPRING: MARCH 1 TO APRIL 30
B. LATE SUMMER/EARLY FALL: AUGUST 15 TO NOVEMBER 15
- 4. DIVIDE SEED INTO TWO EQUAL LOTS. SOW ONE LOT IN ONE DIRECTION. SOW SECOND LOT AT RIGHT ANGLE TO FIRST LOT. RAKE SEEDDED AREA SLIGHTLY. ROLL SURFACE LIGHTLY TO FIRM SOIL AROUND SEED.
- 5. MULCH SEEDDED AREAS WITH STRAW OR HAY AT THE RATE OF 3 TONS PER ACRE. ANCHOR MULCH. COMPLY WITH THE REQUIREMENTS OF SECTION 805 - MULCHING, PENNDOT PUBLICATION 408. ANCHOR MULCH AS SPECIFIED.
- 6. MULCHING SHALL BE DONE AT THE MINIMUM RATE OF 3 TONS PER ACRE WITH SALT HAY, HAY OR STRAW MULCHES. PLACE MULCH IMMEDIATELY AFTER SEEDING OR WITHIN 48 HOURS AFTER SEEDING IS COMPLETED. PROPERLY MAINTAIN MULCHED AREAS UNTIL THE ENTIRE PROJECT HAS BEEN COMPLETED. PROMPTLY REAPPLY MULCH MATERIALS WHICH BECOME DISLOGGED OR LOST DUE TO WIND, RAIN, OR OTHER CAUSES AT INITIAL RATES OR AS DIRECTED.
- 7. LIQUID MULCH BINDERS MAY BE USED TO ANCHOR SALT HAY, HAY OR STRAW MULCHES. A. APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND CATCHES THE MULCH IN VALLEYS AND AT CRESTS OF BANKS. REMAINDER OF AREAS SHOULD BE UNIFORM IN APPEARANCE.
B. USE ONE OF THE FOLLOWING: EMULSIFIED ASPHALT, CLASS E-1 OR E-6, APPLY 31 GALLONS PER 1,000 SQUARE YARDS ON SLOPES LESS THAN 8 FEET HIGH. ON SLOPES 8 FEET HIGH OR MORE, USE 58 GALLONS PER 1,000 SQUARE YARDS. CUTBACK ASPHALT, CLASS RC-250. APPLY 31 GALLONS PER 1,000 SQUARE YARDS ON FLAT AREAS AND ON SLOPES LESS THAN 8 FEET HIGH. ON SLOPES 8 FEET HIGH OR MORE, USE 58 GALLONS PER 1,000 SQUARE YARDS. NON-ASPHALTIC EMULSION - NATURAL VEGETABLE GUM BLENDED WITH GELLING AND HARDENING AGENTS (TERRA TACK, AR) AS MANUFACTURED BY GRASS GROWERS COMPANY OR EQUAL. APPLY 25 LBS. PER 1,000 SQUARE YARDS.

MAINTENANCE PROGRAM

- 1. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION STABILIZATION, AND MAINTENANCE OF ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AND RELATED ITEMS INCLUDED WITHIN THIS PLAN. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND STABILIZATION OF PERMANENT CONTROL MEASURES AND RELATED ITEMS INCLUDED WITHIN THIS PLAN.

- 2. THE OWNER WILL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL PERMANENT CONTROL MEASURES.
- 3. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMP'S MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROL BMP'S AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING, AND RESETTING, MUST BE DONE IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S, OR MODIFICATIONS TO THOSE INSTALLED WILL BE REQUIRED.
- 4. SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF AT AN OFF-SITE LOCATION IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- 5. SOIL SEDIMENT REMOVED FROM SILT FENCE DURING REGULAR MAINTENANCE WILL BE INCORPORATED BACK INTO THE EARTHWORK AS FILL ON THE SITE. SOIL SEDIMENT MATERIAL SHALL BE DISTRIBUTED ON-SITE WITHOUT CHANGING DRAINAGE PATTERNS DURING A SPECIFIC CONSTRUCTION STAGE. SILT FENCE INSTALLED ON THE PROJECT SITE SHALL BE MAINTAINED AS FOLLOWS:
A. THE FENCE CONDITION WILL BE INSPECTED ONCE A WEEK OR AFTER EVERY STORM EVENT, WHICHEVER COMES FIRST. ANY NECESSARY REPAIRS WILL BE MADE IMMEDIATELY.
B. ACCUMULATED SEDIMENTS WILL BE REMOVED AS REQUIRED TO KEEP THE FENCE FUNCTIONAL. DEPOSITS WILL BE REMOVED WHERE ACCUMULATIONS REACH ONE-HALF THE ABOVE-GROUND HEIGHT OF THE FENCE.
C. UNDERCUTTING OR EROSION OF THE TOE ANCHOR WILL BE REPLACED IMMEDIATELY WITH ROCK FILTER OUTLETS.
D. ANY MANUFACTURER'S RECOMMENDATIONS WILL BE ADHERED TO WHEN REPLACING FILTER FABRIC FENCE DUE TO WEATHERING.
- 6. AT THE END OF EACH CONSTRUCTION DAY, ANY SEDIMENT DEPOSITED ON PUBLIC ROADWAYS, WILL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. WASHING OF THE ROADWAY WITH WATER WILL NOT BE PERMITTED.
- 7. OTHER BMP'S
A. SEDIMENT MUST BE REMOVED FROM STORM WATER INLET PROTECTION AFTER EACH RUNOFF EVENT.

CONSTRUCTION SEQUENCE:

- 1. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE THE INSPECTIONS COORDINATOR OF PWD (OFFICE 215-685-6387), MUST BE CALLED TO SCHEDULE A PRECONSTRUCTION MEETING.
- 2. AT LEAST 3 DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES SHALL NOTIFY THE PENNSYLVANIA ONE CALL SYSTEM INCORPORATED AT 1-800-242-1776 FOR BURIED UTILITY LOCATIONS.
- 3. CONSTRUCTION FENCE TO BE INSTALLED AROUND THE PERIMETER OF THE WORK AREA. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THE FENCE WITH THE OWNER AND/OR ENGINEER. CONSTRUCTION FENCE LOCATION SHALL BE INSTALLED TO PROTECT THE PUBLIC FROM LAND DISTURBANCE ACTIVITIES AND TO MAINTAIN PEDESTRIAN ACCESS.
- 4. INSTALL COMPOST FILTER SOCK DOWNHILL FROM ALL EARTH MOVING ACTIVITIES AND AS SHOWN ON THE PLAN. ALTHOUGH OFF SITE AREAS ARE PAVED, COMPOST FILTER SOCK OR OTHER EROSION CONTROL PRACTICES SHALL BE INSTALLED AROUND THE PERIMETER OF THE WORK AREA AS SHOWN ON THE PLAN.
- 5. INSTALL INLET PROTECTION AS SHOWN ON THE PLAN AND ANY INLETS WITHIN ONE BLOCK OF PROJECT SITE. EXISTING INLETS SHALL BE PROTECTED THROUGHOUT THE DURATION OF THE CONSTRUCTION.
- 6. INSTALL CONSTRUCTION ENTRANCE AS SHOWN AND IN ACCORDANCE WITH THE CONSTRUCTION ENTRANCE DETAIL.
- 7. CLEAR AND GRUB SITE, DEMOLISH EXISTING PAVING, CURBING, AND FENCING AS REQUIRED. SAWCUT PAVED AREAS AS NEEDED TO MINIMIZE EARTH DISTURBANCE. EXCAVATE TRENCHES FOR PROPOSED SEWER CONNECTIONS. DEMOLISHED MATERIAL SHALL BE REMOVED FROM THE SITE AND DISCARDED IN ACCORDANCE WITH APPLICABLE CITY, STATE, AND FEDERAL REGULATIONS.
- 8. ROUGH GRADE SUBBASE TO REQUIRED DEPTHS.
- 9. INSTALL PROPOSED SITE IMPROVEMENTS, INCLUDING PLAY SURFACE, PLAY EQUIPMENT, MINI PITCH, RAMPS, AND BENCHES.
- 10. TOPSOIL AND SEED GRASSED AREAS. INSTALL PLANTS AND TREES.
- 11. SWEEP PAVED AREAS DAILY TO PREVENT TRACKING OF SOIL OFF-SITE.
- 12. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT INSPECTIONS COORDINATOR OF PWD (OFFICE: 215-685-6387) FOR A FINAL INSPECTION PRIOR TO REMOVAL OF THE E&S BMP'S. AS SOON AS SLOPES, CHANNEL DITCHES AND OTHER DISTURBED AREAS REACH FINAL GRADE, THEY MUST BE STABILIZED. CESSATION OF ACTIVITY FOR FOUR (4) DAYS OR LONGER REQUIRES TEMPORARY STABILIZATION.
- 13. AS SOON AS SLOPES, CHANNELS, DITCHES, AND OTHER DISTURBED AREAS REACH FINAL GRADE, THEY MUST BE STABILIZED. CESSATION OF ACTIVITY FOR FOUR (4) DAYS OR LONGER REQUIRES TEMPORARY STABILIZATION.
- 14. REMOVE SOIL EROSION MEASURES AFTER SITE HAS BEEN INSPECTED AND STABILIZED.

BETHEL BURYING GROUND MEMORIAL PROJECT AT WECCACOE PLAYGROUND

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Job Number: 749
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EROSION AND SEDIMENT CONTROL NOTES

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CE701

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DEMOLITION LEGEND

- PROPERTY LINE
- EXTENTS OF BURYING GROUND
- - - - - LIMIT OF WORK
- PF TREE PROTECTION FENCE
- CF CONSTRUCTION FENCE
- SAWCUT EXISTING PAVEMENT
- BUILDING TO BE REMOVED
- CONCRETE PAVEMENT TO BE REMOVED
- BUILDING SLAB TO BE REMOVED
- ASPHALT PAVEMENT TO BE REMOVED
- ASPHALT PAVEMENT TO BE MILLED AND OVERLAYED
- BRICK UNIT PAVERS TO BE REMOVED
- CLEAR AND GRUB VEGETATION
- X TREE TO BE REMOVED

DEMOLITION NOTES

- REMOVE ALL PAVEMENT AND CONSTRUCTION DEBRIS AS INDICATED ON PLAN. PAVING BASE MATERIALS MAY REMAIN IF CONSISTENT WITH SPECIFIED AGGREGATE BASE MATERIAL.
- NO EXCAVATION OR GROUND DISTURBANCE EXCEEDING 1 FOOT BELOW THE SURFACE CAN OCCUR ANYWHERE WITHIN THE BOUNDARIES OF THE BURYING GROUND WITHOUT AN ARCHAEOLOGICAL MONITOR PRESENT ON SITE. ARCHAEOLOGISTS TO BE IMMEDIATELY NOTIFIED IF ANY SUSPECTED HUMAN REMAINS OR FUNERARY ARTIFACTS ARE EXPOSED WITHIN THE CEMETERY.
- COMMUNITY CENTER BUILDING: BUILDING DEMOLITION TO BE HALTED AT CURRENT PLAYGROUND SURFACE; EXISTING UTILITY LINES TO BE DISCONNECTED IN QUEEN STREET AND ASSOCIATED UNDERGROUND CONDUIT TO BE LEFT IN PLACE.
- AREAS OF ASPHALT REMOVAL: ARCHAEOLOGICAL MONITOR MUST BE PRESENT DURING SURFACE PAVING REMOVAL. PAVING TO BE SAW CUT INTO MANAGEABLE SEGMENTS TO EXPEDITE REMOVAL; IF MECHANIZED EQUIPMENT TO BE USED MACHINES MUST BE SET UP ON PAVED SURFACES; NO MECHANIZED ACCESS WILL OCCUR IN AREAS WHERE PAVED SURFACES HAVE BEEN REMOVED.
- TENNIS COURT FENCE: IN-GROUND SUPPORTING POSTS TO BE CUT OFF NO DEEPER THAN 1 FOOT BELOW THE CURRENT SURFACE; CEMENTED POST FOUNDATIONS TO REMAIN IN THE GROUND.

TREE REPLACEMENT REQUIREMENTS

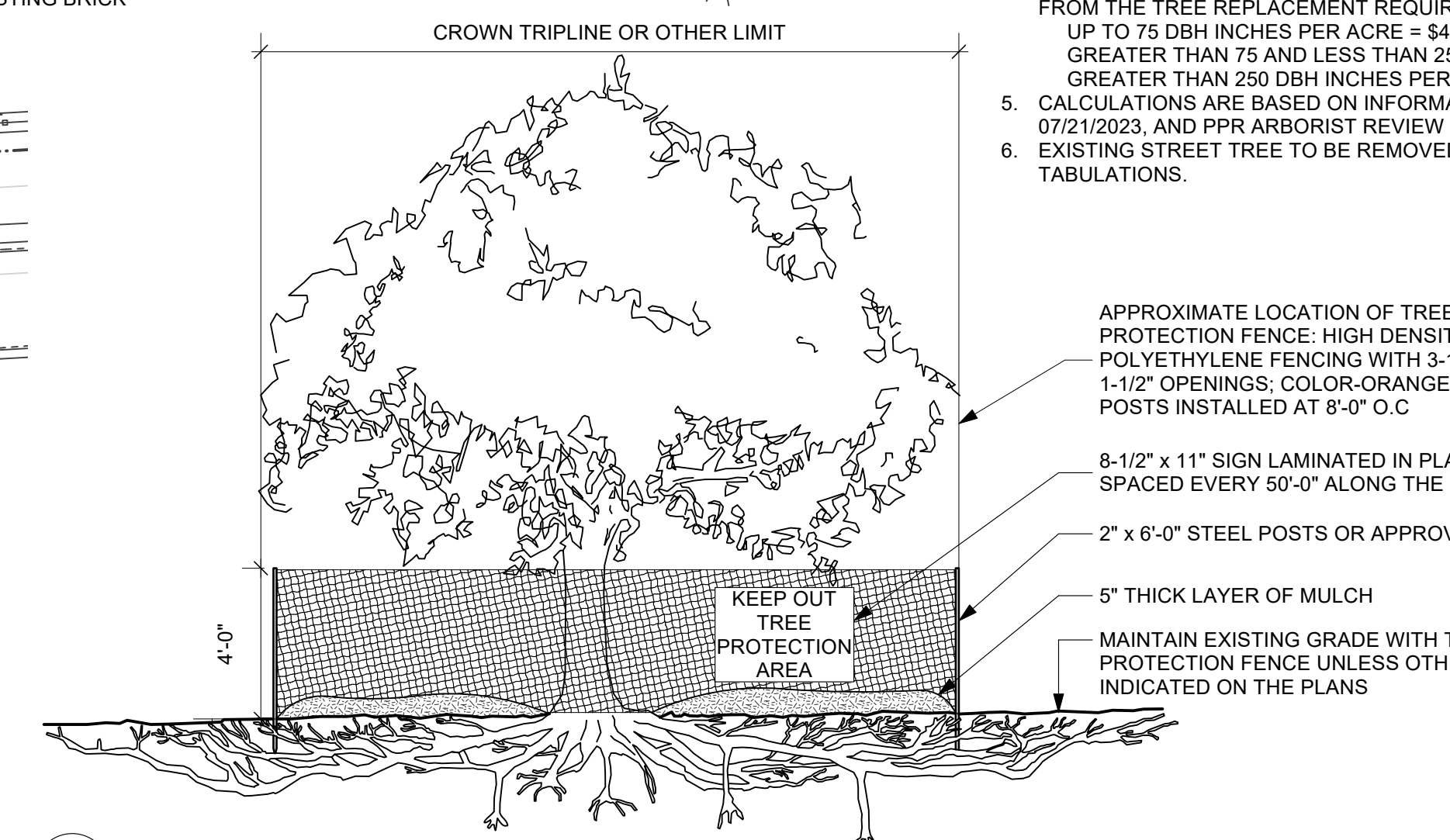
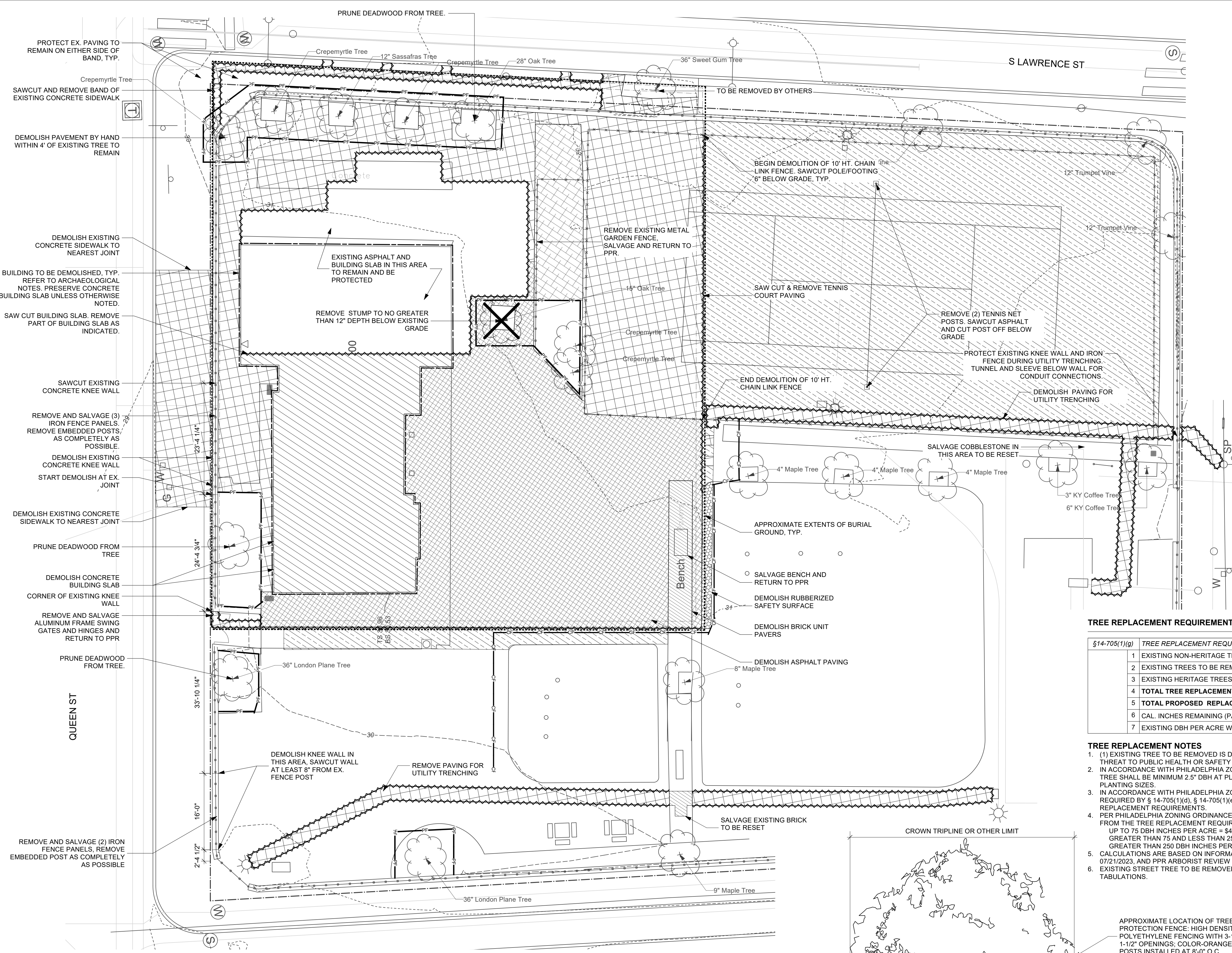
§14-705(1)(g)	TREE REPLACEMENT REQUIREMENTS	QTY.	CALIPER (IN.)
1	EXISTING NON-HERITAGE TREES TO BE REMOVED	-	-
2	EXISTING TREES TO BE REMOVED - NOT INCLUDED, SEE NOTES	1	15
3	EXISTING HERITAGE TREES TO BE REMOVED	-	-
4	TOTAL TREE REPLACEMENT REQUIREMENT (#1 + #3)	-	-
5	TOTAL PROPOSED REPLACEMENT TREES (SEE L501)	2	4
6	CAL. INCHES REMAINING (PAY FEE IN-LIEU) (#4 - #5)	-	-
7	EXISTING DBH PER ACRE WITHIN LOD (0.75 ACRES)	216	288

TREE REPLACEMENT NOTES

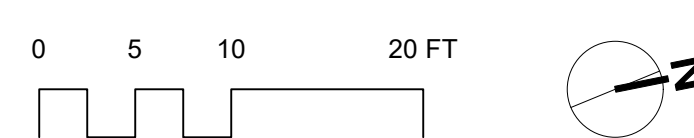
- (1) EXISTING TREE TO BE REMOVED IS DEEMED BY ARBORIST TO BE DEAD, DAMAGED, DISEASED OR A THREAT TO PUBLIC HEALTH OR SAFETY & EXCLUDED FOR TREE REPLACEMENT REQUIREMENTS.
- IN ACCORDANCE WITH PHILADELPHIA ZONING ORDINANCE SECTION 14-705 (1)(g), EACH REPLACEMENT TREE SHALL BE MINIMUM 2.5" DBH AT PLANTING. SEE TREE SCHEDULE ON L002 FOR REQUIRED PLANTING SIZES.
- IN ACCORDANCE WITH PHILADELPHIA ZONING ORDINANCE SECTION 14-705(1)(g)(3) ANY TREES REQUIRED BY § 14-705(1)(d), § 14-705(1)(e), or § 14-803(5) SHALL BE COUNTED TOWARDS THE TOTAL REPLACEMENT REQUIREMENTS.
- PER PHILADELPHIA ZONING ORDINANCE SECTION 14-705 (c) (9), FOR EACH DBH INCH OF TREE WAIVED FROM THE TREE REPLACEMENT REQUIREMENTS, AN IN-LIEU FEE IS REQUIRED AS FOLLOWS:
UP TO 75 DBH INCHES PER ACRE = \$400 PER INCH
GREATER THAN 75 AND LESS THAN 250 DBH INCHES PER ACRE = \$200 PER INCH
GREATER THAN 250 DBH INCHES PER ACRE = \$50 PER INCH
- CALCULATIONS ARE BASED ON INFORMATION FROM FIELD SURVEY BY KS ENGINEERING DATED 07/21/2023, AND PPR ARBORIST REVIEW LETTER DATED 04/02/24.
- EXISTING STREET TREE TO BE REMOVED FROM S. LAWRENCE STREET IS EXCLUDED FROM TREE TABULATIONS.

NOTES:

- SEE SPECIFICATIONS FOR ADDITIONAL TREE PROTECTION REQUIREMENTS.
- IF THERE IS NO EXISTING IRRIGATION, SEE SPECIFICATIONS FOR WATERING REQUIREMENTS.
- NO PRUNING SHALL BE PERFORMED EXCEPT BY APPROVED ARBORIST.
- NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
- SEE SITE PREPARATION PLAN FOR ANY MODIFICATIONS WITH THE TREE PROTECTION AREA.



1 SITE DEMOLITION AND PROTECTION PLAN
Scale: 1" = 10'-0"



2 TREE PROTECTION FENCE DETAIL
Scale: 1/4" = 1'-0"

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Drawing Title:
DEMOLITION AND PROTECTION PLAN

Drawing Number:
L101

BETHEL BURYING GROUND MEMORIAL PROJECT AT WECCACOE PLAYGROUND

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MATERIALS LEGEND

- PROPERTY LINE
- EXTENTS OF BURYING GROUND
- LIMIT OF WORK
- CHAIN LINK FENCE
- SALVAGED IRON FENCE
- ⊙ B BOLLARD, REFER TO 3/L604
- ASPHALT PAVING, REFER TO 4/601
- MILL AND OVERLAY EX. ASPHALT PAVING, REFER TO 5/601
- CAST-IN-PLACE CONCRETE PAVING, REFER TO 6/L601
- PRECAST CONCRETE UNIT PAVER, COLOR A
- PRECAST CONCRETE UNIT PAVER, COLOR B
- PRECAST CONCRETE UNIT PAVER, COLOR C
- ENGRAVED GRANITE UNIT PAVERS, COLOR A
- ENGRAVED GRANITE UNIT PAVERS, COLOR B
- BRICK UNIT PAVERS, REFER TO 3/L601
- RESET BRICK OR COBBLE UNIT PAVERS

REFER TO 1 AND 2/L601

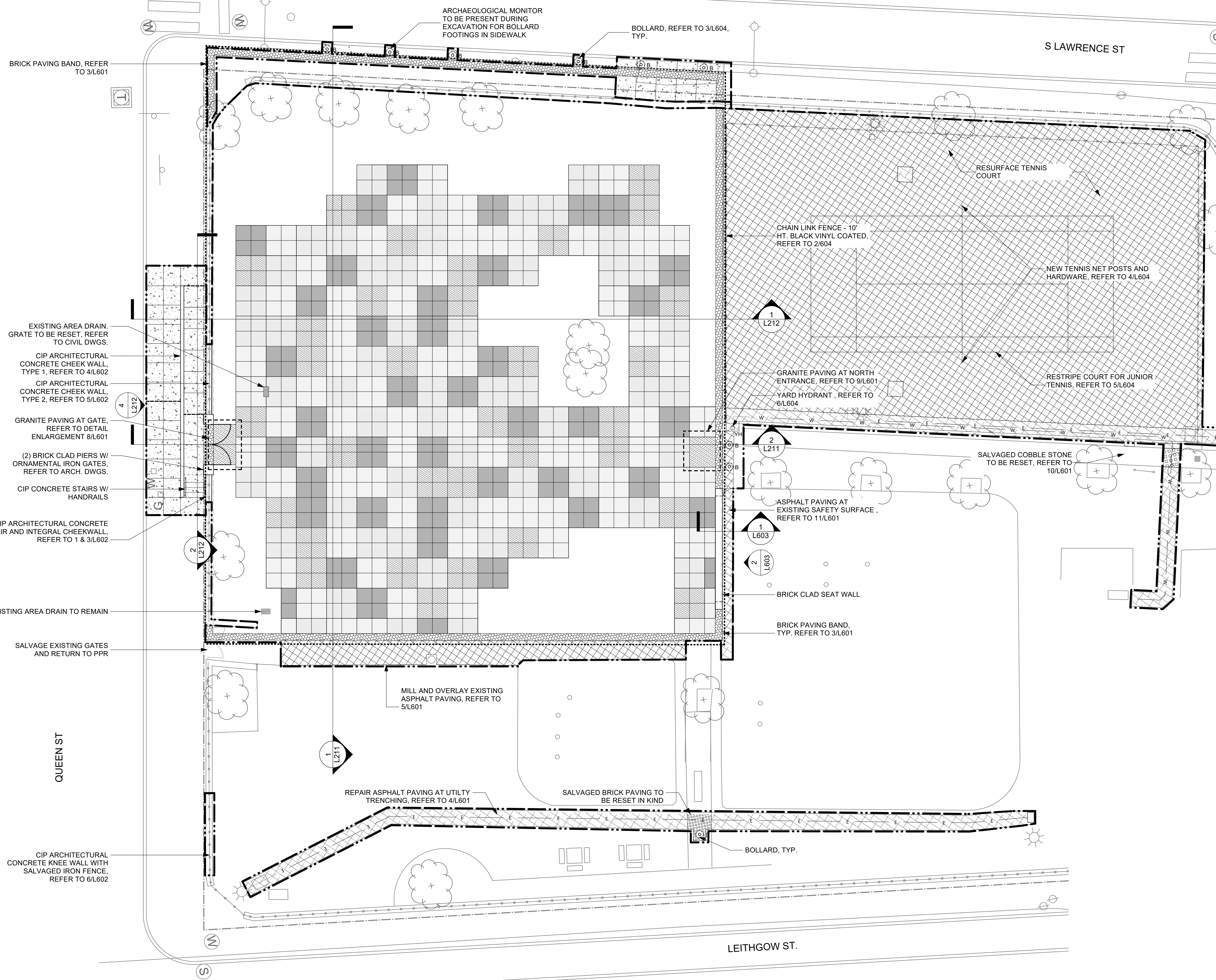
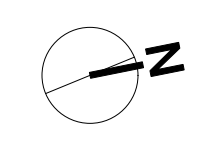
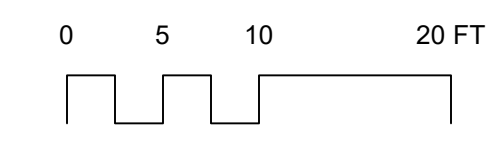
MATERIALS PLAN NOTES

- ANY DISCREPANCY BETWEEN FIELD CONDITIONS AND DOCUMENTED EXISTING OR PROPOSED CONDITIONS SHALL BE REPORTED TO OWNER IN WRITING.
- NEW GATE PIERS: ARCHAEOLOGISTS TO BE NOTIFIED AND ALLOWED ACCESS TO PIER LOCATIONS IN ADVANCE OF CONSTRUCTION TO CONDUCT SUPPLEMENTAL SUBSURFACE TESTING OF PRESUMED BURYING GROUND WALL FOUNDATIONS. ARCHAEOLOGISTS TO BE PRESENT TO MONITOR PIER FOUNDATION EXCAVATION.
- BRICK SEATING WALL: AFTER BURYING GROUND FOUNDATION WALL IDENTIFIED, DEEPER EXCAVATION FOR WALL SUPPORT CAN OCCUR IN ADJACENT GROUND LOCATED OUTSIDE THE BOUNDARIES OF THE CEMETERY.

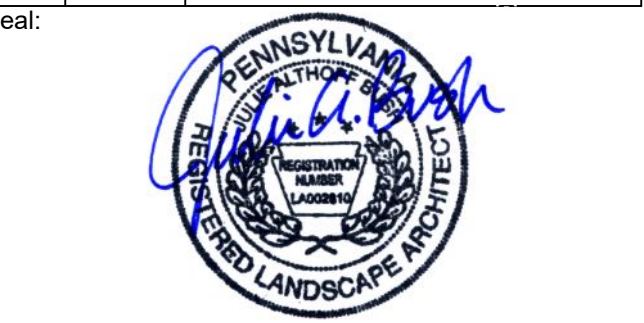
PAVER INSCRIPTION SCHEDULE

INSCRIPTION	DETAIL #	PAVER SIZE	PAVER QUANTITY
INSCRIPTION STYLE A	7/L601	3' X 3'	102
INSCRIPTION STYLE B	7/L601	3' X 3'	13
INSCRIPTION STYLE C	7/L601	3' X 3'	13
INSCRIPTION STYLE D	8 & 9/L601	4' X 2'-6"	2

NOTE: LOCATIONS OF VARIOUS INSCRIBED PAVERS TO BE FINALIZED DURING SUBMITTAL PROCESS.



No.	Date	Revisions



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Drawing Number: L201

BETHEL BURYING GROUND MEMORIAL PROJECT AT WECCACOE PLAYGROUND

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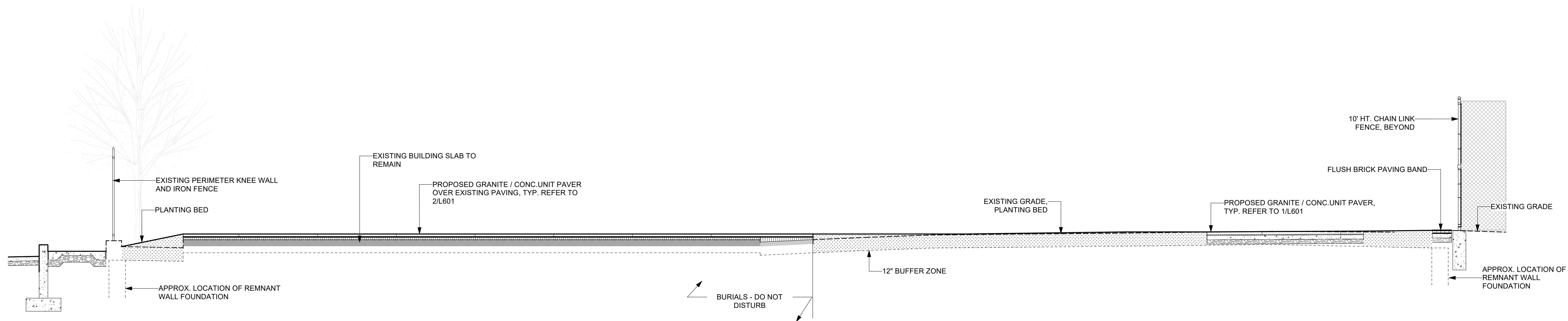
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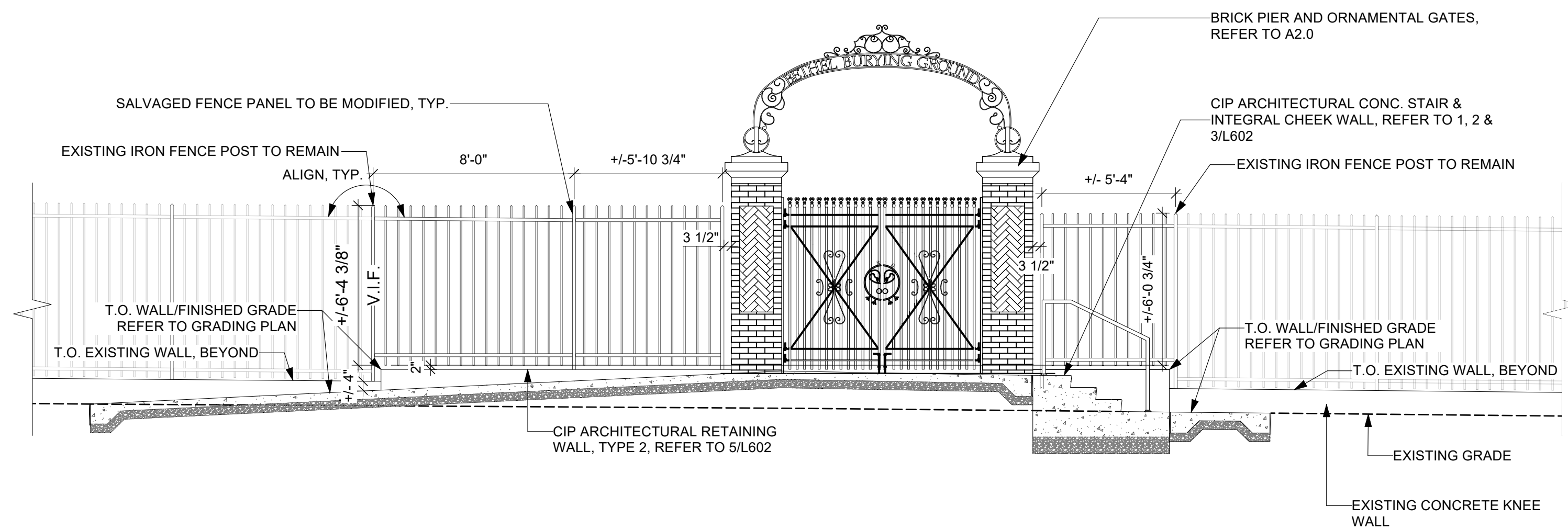
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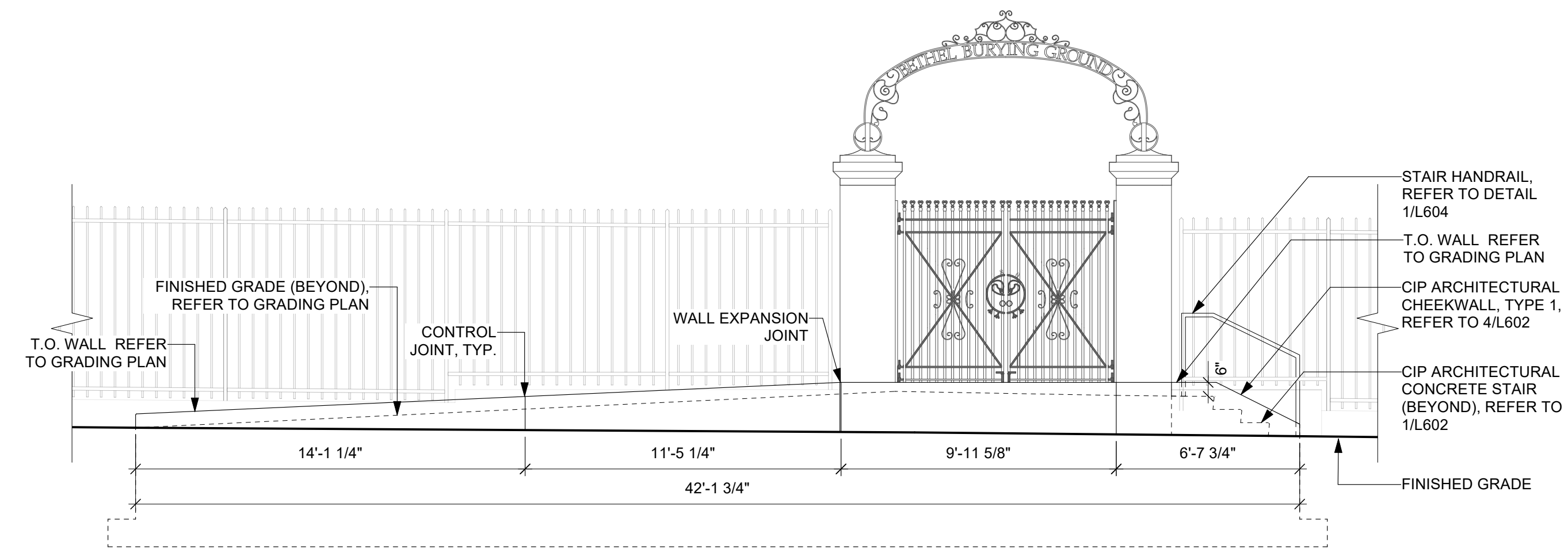
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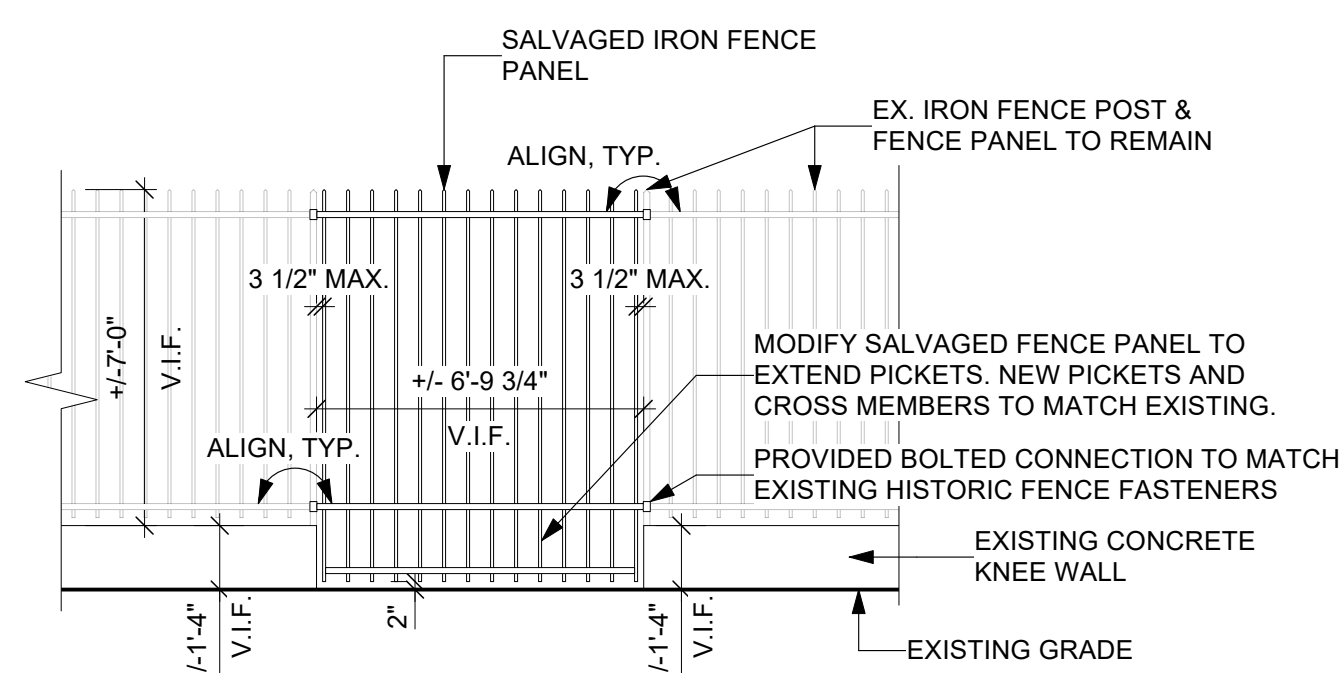
1 N/S Site Section
L212 Scale: 1/4" = 1'-0"



2 Section/Elevation at Ceremonial Gates
L212 Scale: 1/4" = 1'-0"



4 ELEVATION OF CIP ARCHITECTURAL CHEEKWALL
L212 Scale: 1/4" = 1'-0"



3 Salvaged Iron Infill at Former Gate
L212 Scale: 1/4" = 1'-0"

No.	Date	Revisions

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File:

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SITE SECTIONS

Drawing Number:
L212

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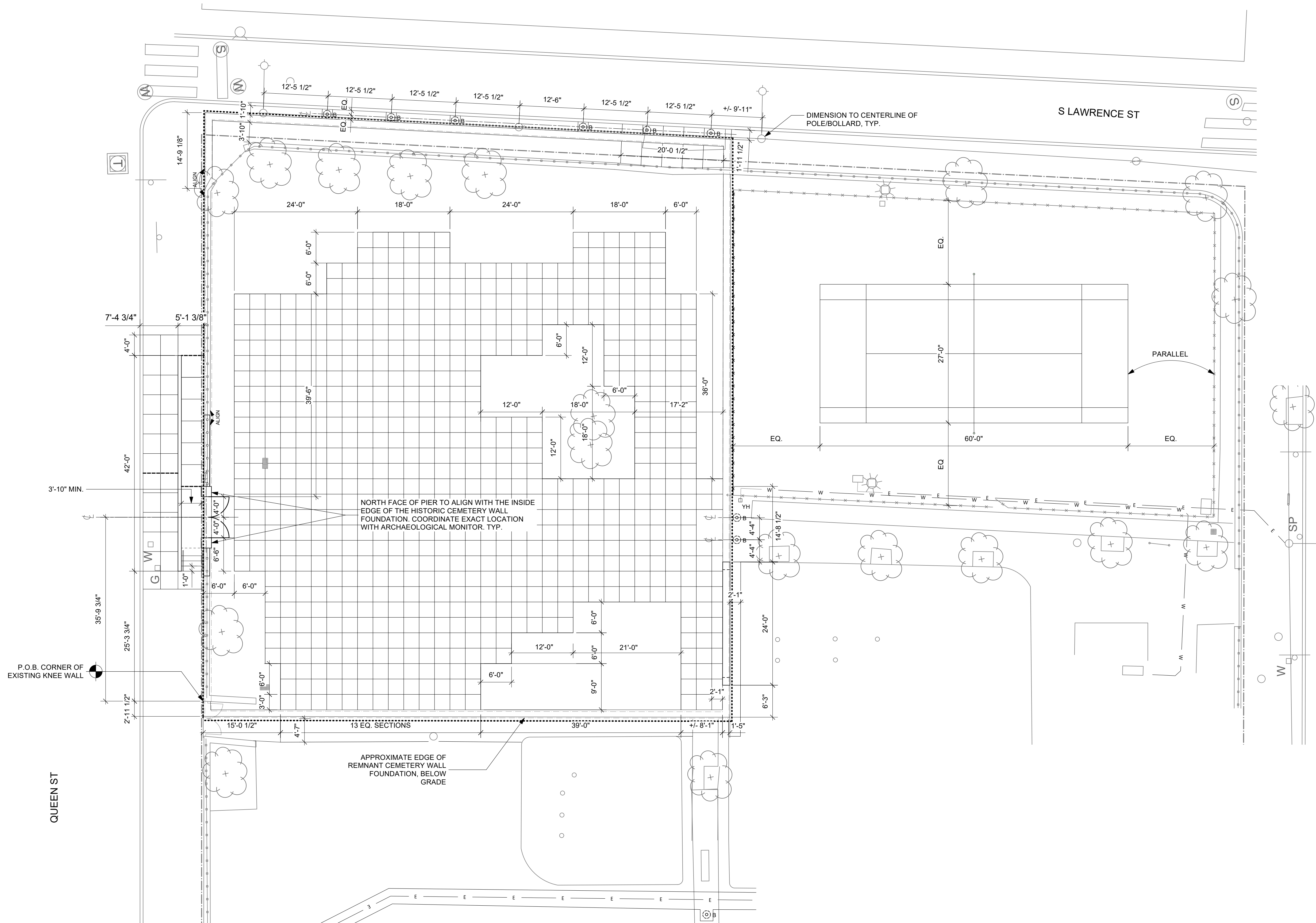
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LAYOUT LEGEND

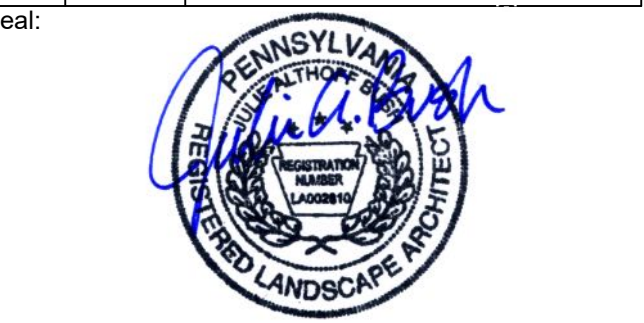
- PROPERTY LINE
- EXTENTS OF BURYING GROUNDS
- CENTER LINE
- REFERENCE LINE
- x'x'— LINEAR DIMENSION
- x'— ANGULAR DIMENSION
- R'x'x'— RADIAL DIMENSION
- P.O.B. POINT OF BEGINNING
- P.O.C. POINT OF CURVATURE
- ALIGN

LAYOUT NOTES

1. ALL LINES ARE PARALLEL OR PERPENDICULAR UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE SHOWN TO FACE OF MATERIALS, UNLESS SHOWN OTHERWISE.
3. V.I.F. = VERIFY IN FIELD. VERIFY ALL DIMENSIONS FROM FIELD MEASUREMENTS. VERIFY LAYOUT OF ALL PROPOSED WORK WITH EXISTING CONDITIONS. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH ANY WORK.
4. PROVIDE STAKED LAYOUT FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK.
5. ANY DISCREPANCY BETWEEN FIELD CONDITIONS AND DOCUMENTED EXISTING OR PROPOSED CONDITIONS SHALL BE REPORTED TO OWNER IN WRITING.
6. NEW GATE PIERS: ARCHAEOLOGISTS TO BE NOTIFIED AND ALLOWED ACCESS TO PIER LOCATIONS IN ADVANCE OF CONSTRUCTION TO CONDUCT SUPPLEMENTAL SUBSURFACE TESTING OF PRESUMED BURYING GROUND WALL FOUNDATIONS. ARCHAEOLOGISTS TO BE PRESENT TO MONITOR PIER FOUNDATION EXCAVATION.
7. BRICK SEATING PIER: AFTER BURYING GROUND FOUNDATION WALL IDENTIFIED, DEEPER EXCAVATION FOR WALL SUPPORT CAN OCCUR IN ADJACENT GROUND LOCATED OUTSIDE THE BOUNDARIES OF THE CEMETERY.



No.	Date	Revisions



Drawn: XD/TM Checked: TM Approved: JB
Job Number: 749
File:

Date: 05/10/2024

Drawing Set:
100% CONSTRUCTION DOCUMENTS

Drawing Title:
LAYOUT PLAN

Drawing Number:
L301

BETHEL BURYING GROUND MEMORIAL PROJECT AT WECCACOE PLAYGROUND

Design Team:

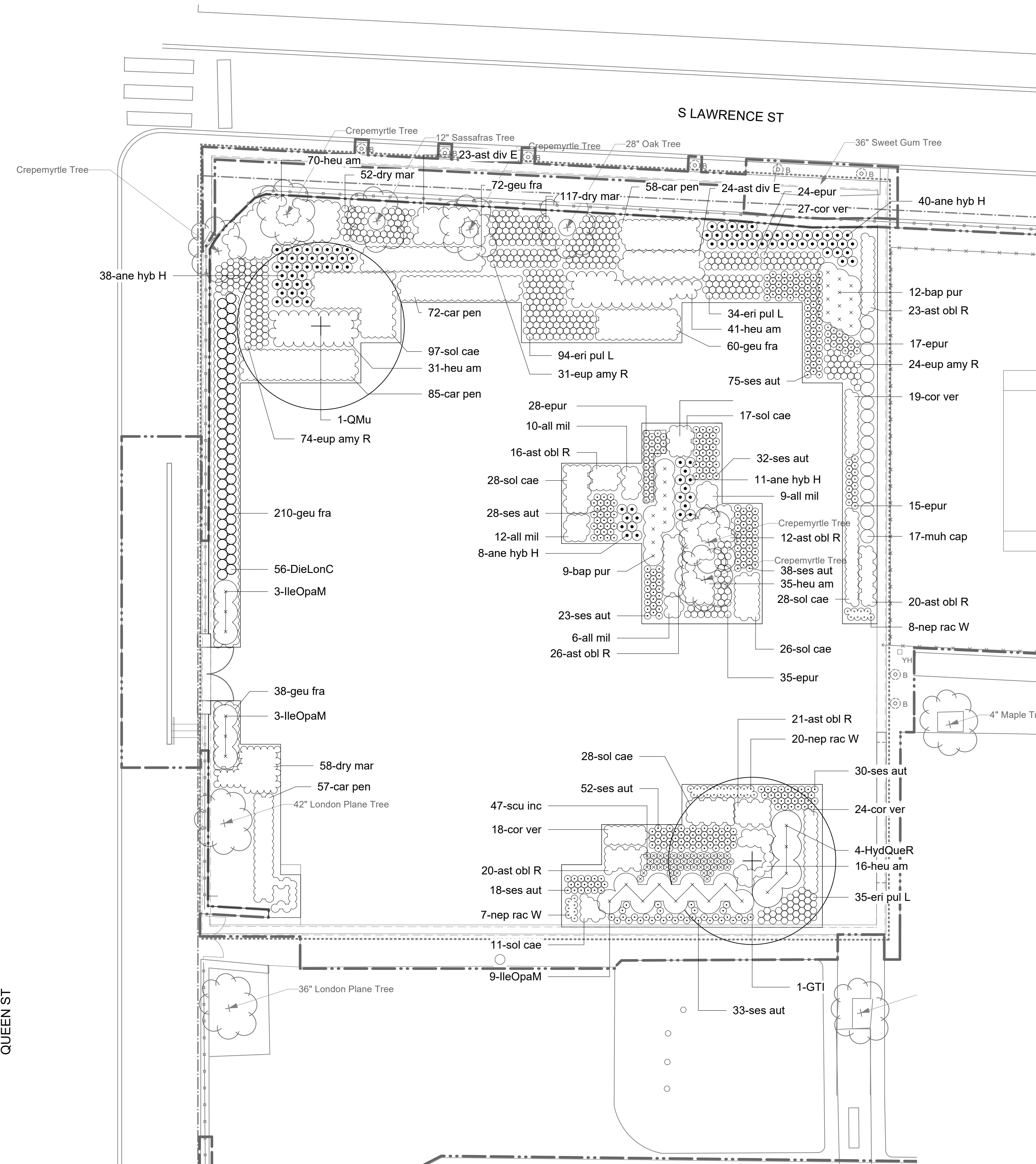
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PLANTING LEGEND

- PROPERTY LINE
- LIMIT OF WORK
- EXTENTS OF BURYING GROUNDS
- PROPOSED CANOPY TREE
- (with X) EXISTING TREE TO REMAIN AND BE PROTECTED
- (with X) PROPOSED SHRUB PLANTING, TYP.
- (with dots) PROPOSED PERENNIAL PLANTING, TYP.

PLANTING NOTES

- REFER TO SPECIFICATION SECTION 329300, PLANTS FOR ADDITIONAL REQUIREMENTS.
- EXCAVATE FOR PLANTING ONLY AS DEEP AS NECESSARY TO FIT THE ROOT MASS OF THE CONTAINER PLANT. ARCHAEOLOGICAL MONITOR TO BE NOTIFIED TO REVIEW ANY PLANTS THAT WILL REQUIRE DEEPER THAN 12" EXCAVATION. NOTIFY ARCHAEOLOGIST IMMEDIATELY IF YELLOW SOIL IS ENCOUNTERED DURING EXCAVATION.

PLANT SCHEDULE

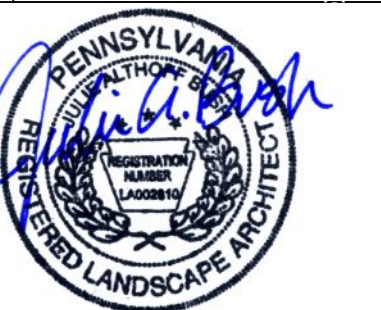
Qty	Id	Botanical Name	Common Name	Size	Spacing	Notes
Trees						
1	OMu	<i>Quercus muehlenbergii</i>	Chinkapin Oak	2" Cal.	As Shown	Specimen Quality, B&B
1	GTI	<i>Gleditsia triacanthos 'Christie'</i>	Halka Honeylocust	2" Cal.	As Shown	Specimen Quality, B&B
Shrubs						
57	DieLonC	<i>Diervilla lonicera 'Copper'</i>	Bush Honeysuckle	#1	18" o.c.	Container
4	HydQueR	<i>Hydrangea quercifolia 'Ruby Slipper'</i>	Ruby Slippers Oak Leaf Hydrangea	#3	As Shown	Container
15	IleOpaM	<i>Ilex opaca 'Maryland Dwarf'</i>	Maryland Dwarf American Holly	#3	As Shown	Container
Ornamental Grasses						
273	car pen	<i>Carex pensylvanica</i>	Pennsylvania Sedge	#32	12" o.c.	Plug
18	muh cap	<i>Muhlenbergia capillaris</i>	Muhly Grass	#1	24" o.c.	
330	ses aut	<i>Sesleria autumnalis</i>	Autumn Moor Grass	#1	12" o.c.	
Perennials						
38	all mil	<i>Allium 'Millennium'</i>	Millennium Allium	#SP4	12" o.c.	
1	ane can	<i>Anemone canadensis</i>	Meadow Anemone	#SP4	18" o.c.	
98	ane hyb H	<i>Anemone x hybrida 'Honore Jobert'</i>	Honore Jobert Anemone	#SP4	18" o.c.	
48	ast div E	<i>Aster divaricatus 'Eastern Star'</i>	Eastern Star Wood Aster	#50	18" o.c.	Plug
139	ast obl R	<i>Aster oblongifolius 'Raydon's Favorite'</i>	Raydon's Favorite Aromatic Aster	#50	12" o.c.	Plug
22	bap pur	<i>Baptisia 'Purple Smoke'</i>	Purple Smoke False Indigo	#1	18" o.c.	
89	cor ver	<i>Coreopsis verticillata</i>	Thread-leaf Coreopsis	#SP4	12" o.c.	
119	epur	<i>Echinacea purpurea</i>	Purple Coneflower	#50	12" o.c.	Plug
164	eri pul L	<i>Erigeron pulchellus var. pulchellus 'Lynn'</i>	Robin's Plantain	#32	12" o.c.	Plug
130	eup amy R	<i>Euphorbia amygdaloides var. robbiae</i>	Wood Spurge	#SP4	12" o.c.	
381	geu fra	<i>Geum fragaroides</i>	Barren Strawberry	#32	12" o.c.	Plug
194	heu am	<i>Heuchera americana 'Dale's Strain'</i>	Coral Bells	#SP4	18" o.c.	
36	nep rac W	<i>Nepeta racemosa 'Walker's Low'</i>	Walker's Low Catmint	#SP4	12" o.c.	
48	scu inc	<i>Scutellaria incana</i>	Downy Skullcap	#50	12" o.c.	
236	sol cae	<i>Solidago caesia</i>	Bluestem Goldenrod	#50	12" o.c.	Plug
Ferns						
456	dry mar	<i>Dryopteris marginalis</i>	Marginal Shield Fern	#32	12" o.c.	Plug

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S LAWRENCE ST

No.	Date	Revisions

Seal:



Drawn: XD/TM Checked: TM Approved: JB

Job Number: 749
File:

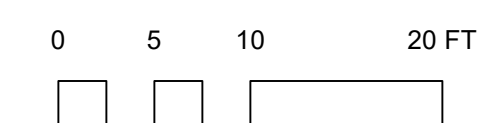
Date:
05/10/2024

Drawing Set:
100% CONSTRUCTION DOCUMENTS

Drawing Title:
PLANTING PLAN

Drawing Number:

L501



BETHEL BURYING GROUND MEMORIAL PROJECT AT WECCACOE PLAYGROUND

Design Team:

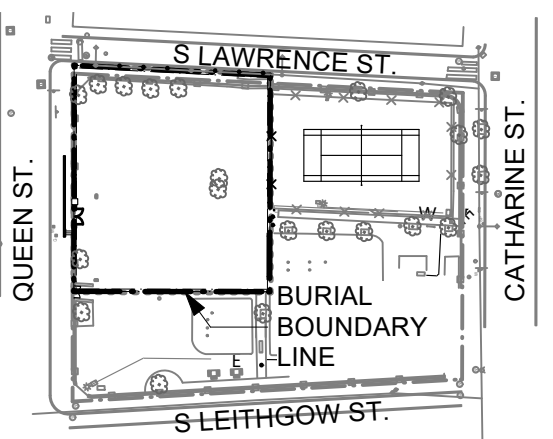
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PLANTING LEGEND

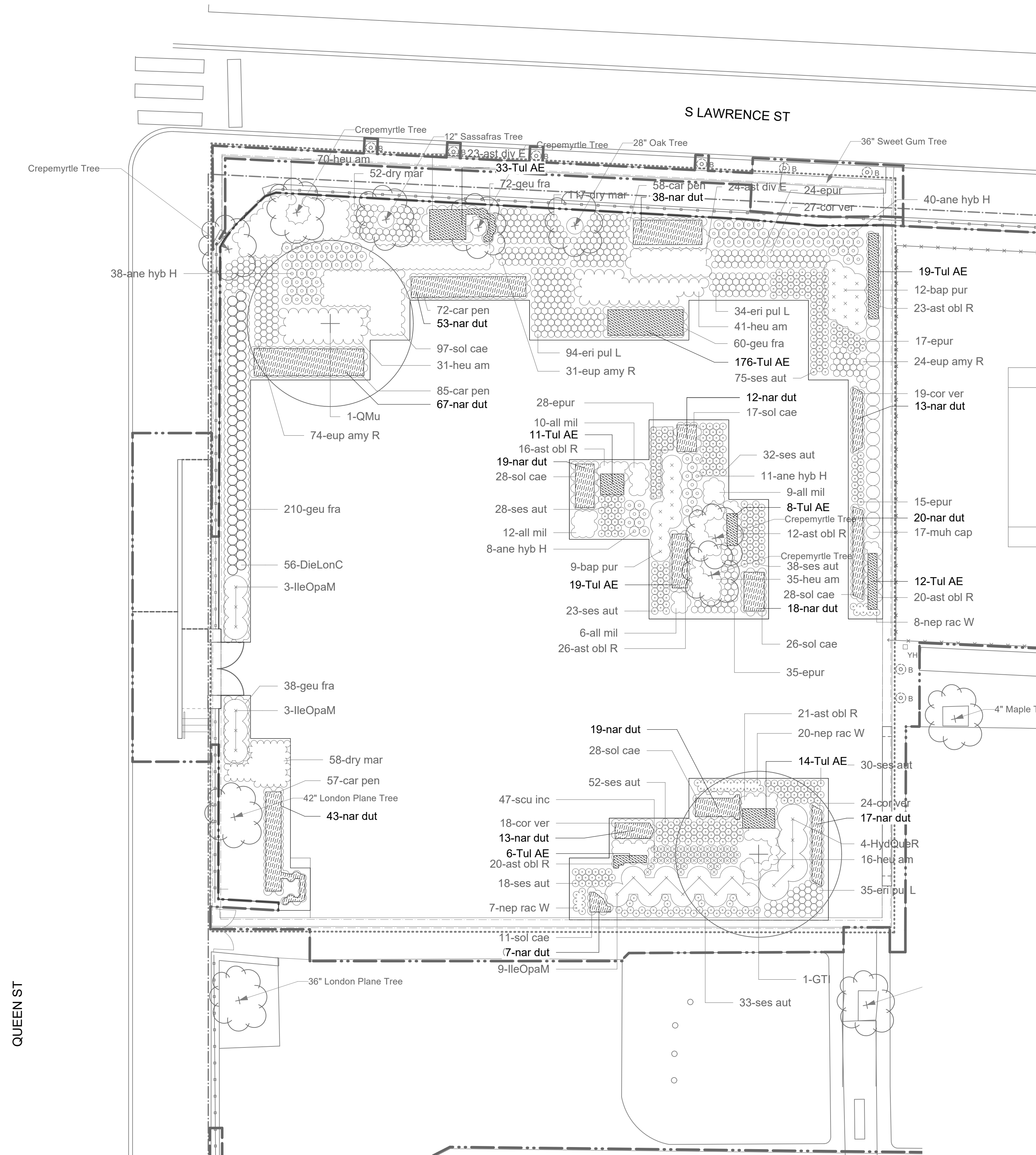
PROPOSED BULB PLANTING, TYP.

PLANTING NOTES

- REFER TO SPECIFICATION SECTION 329300, PLANTS FOR ADDITIONAL REQUIREMENTS.
- EXCAVATE FOR PLANTING ONLY AS DEEP AS NECESSARY TO FIT THE ROOT MASS OF THE CONTAINER PLANT. ARCHAEOLOGICAL MONITOR TO BE NOTIFIED TO REVIEW ANY PLANTS THAT WILL REQUIRE DEEPER THAN 12" EXCAVATION. NOTIFY ARCHAEOLOGIST IMMEDIATELY IF YELLOW SOIL IS ENCOUNTERED DURING EXCAVATION.

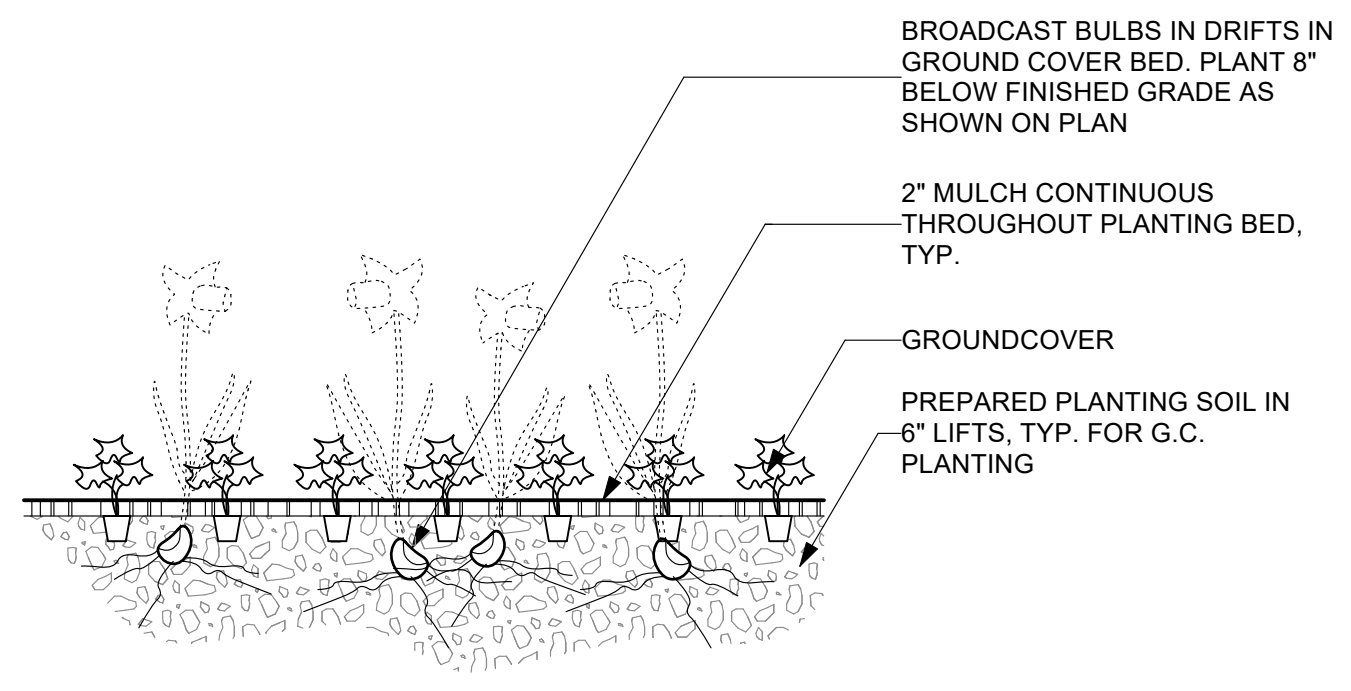
PLANT SCHEDULE

Qty	Id	Botanical Name	Common Name	Size	Spacing	Notes
340	nar dut	<i>Narcissus 'Dutch Master'</i>	Dutch Master Daffodil	Top size	12" o.c.	
298	Tul AE	<i>Tulipa 'Apeldoorn Elite'</i>	Darwin Hybrid Tulip	Top size	12" o.c.	

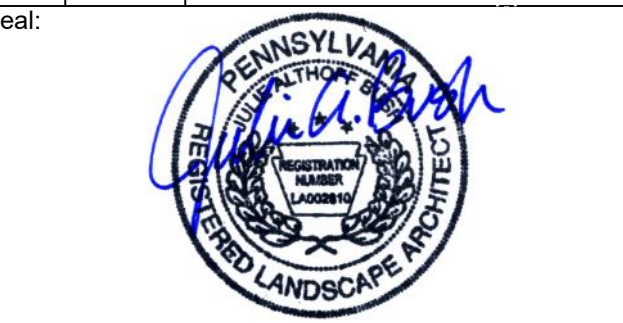


1 BULB PLANTING PLAN
Scale: 1" = 10'-0"

2 BULB AND GROUNDCOVER PLANTING DETAIL
Scale: 1/2" = 1'-0"



No.	Date	Revisions



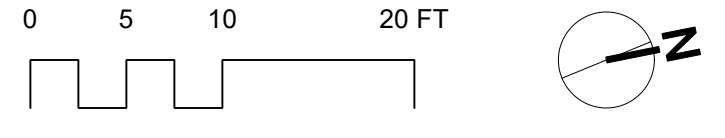
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Job Number: 749
File:

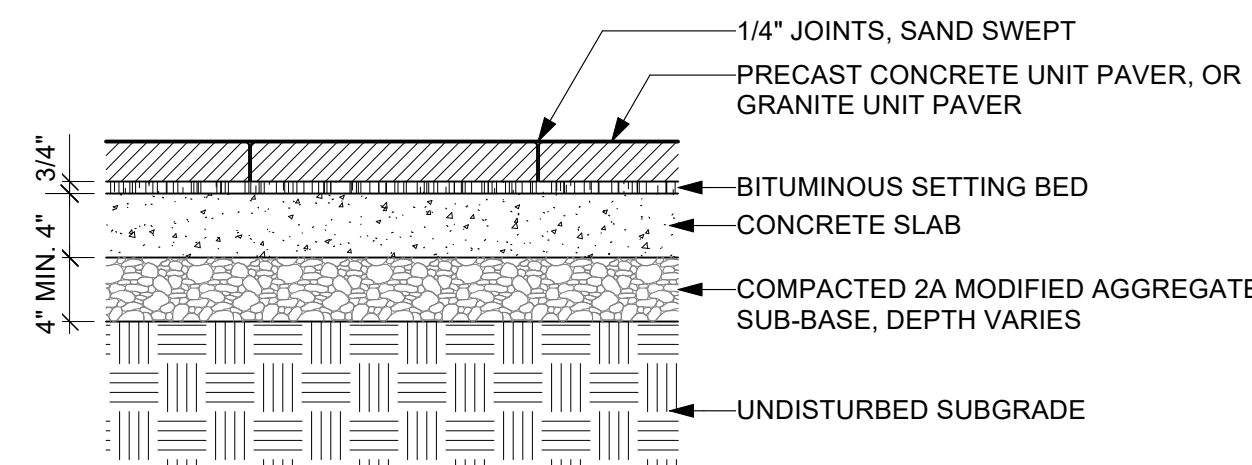
Date: 05/10/2024

Drawing Set:
100% CONSTRUCTION DOCUMENTS

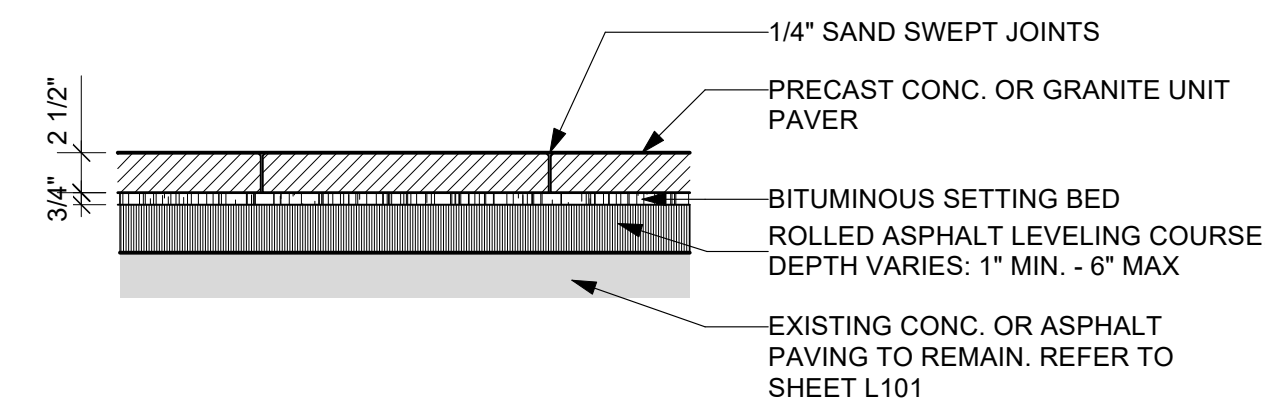
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PLANTING PLAN - BULBS

Drawing Number:
L502

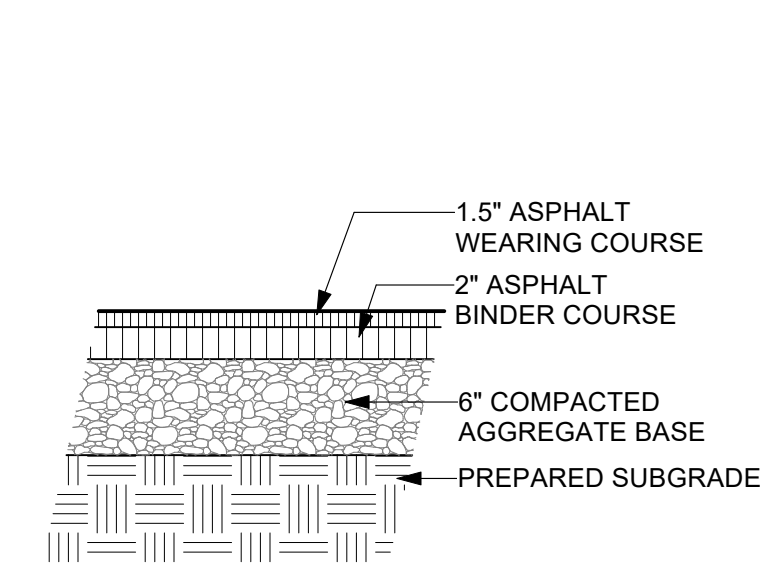




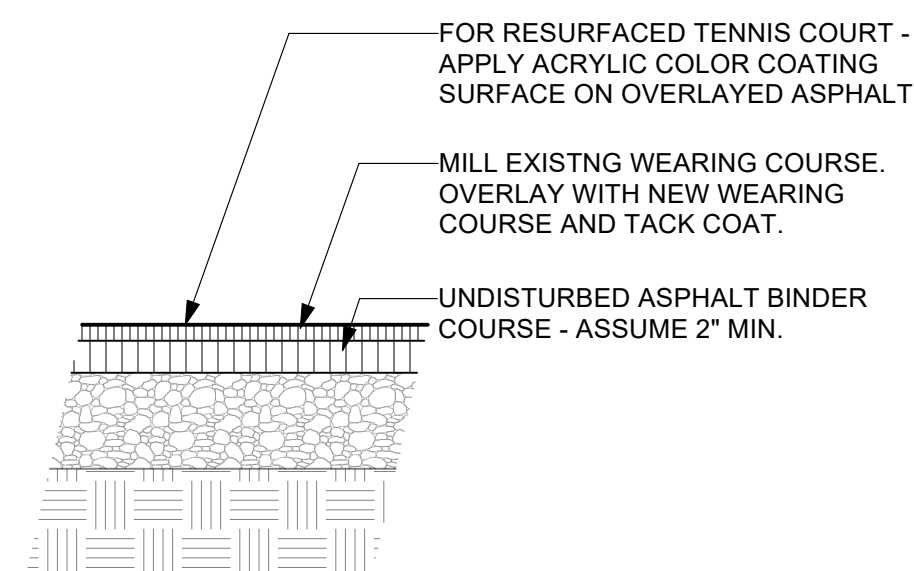
1 PRECAST CONCRETE OR GRANITE UNIT PAVING, TYP
L601 Scale: 1" = 1'-0"



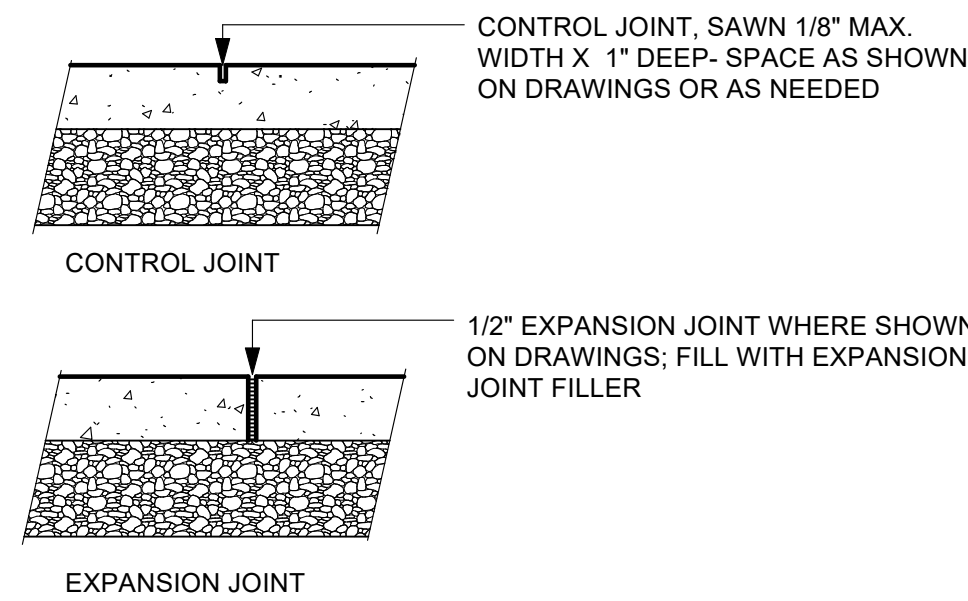
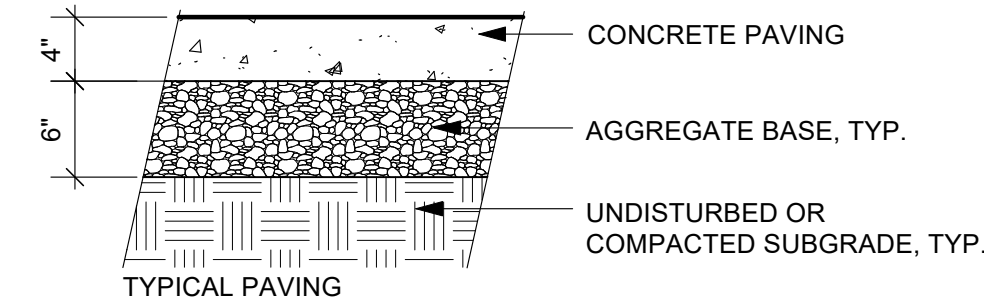
2 UNIT PAVING OVER EXISTING PAVING TO REMAIN
L601 Scale: 1" = 1'-0"



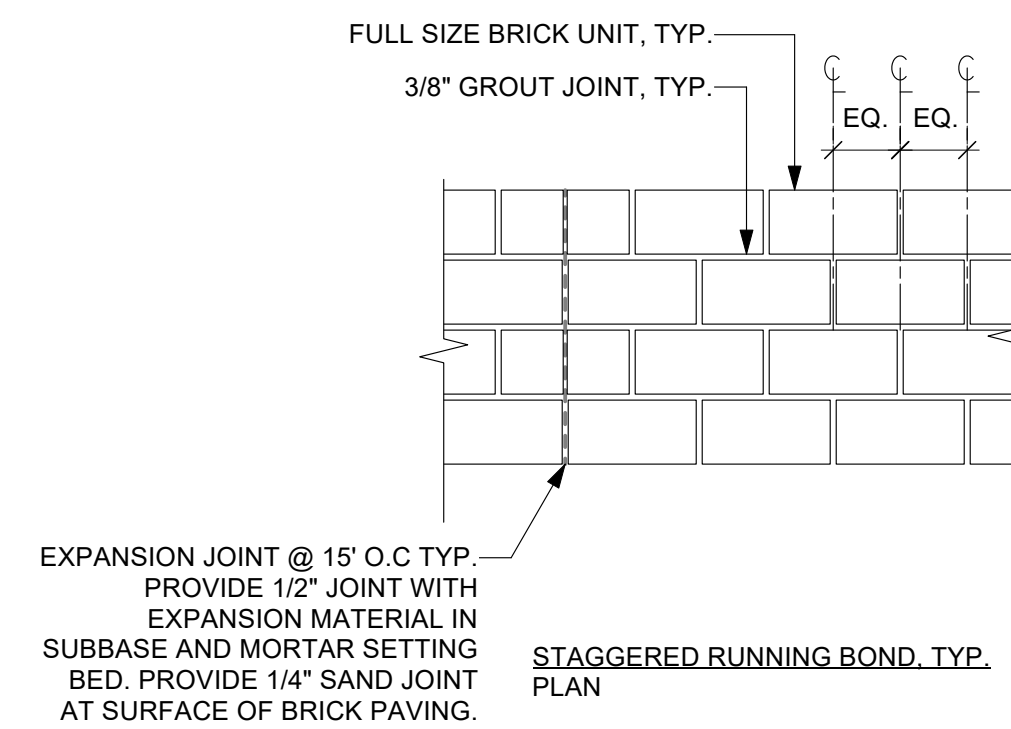
4 ASPHALT PAVING, TYP.
L601 Scale: 1" = 1'-0"



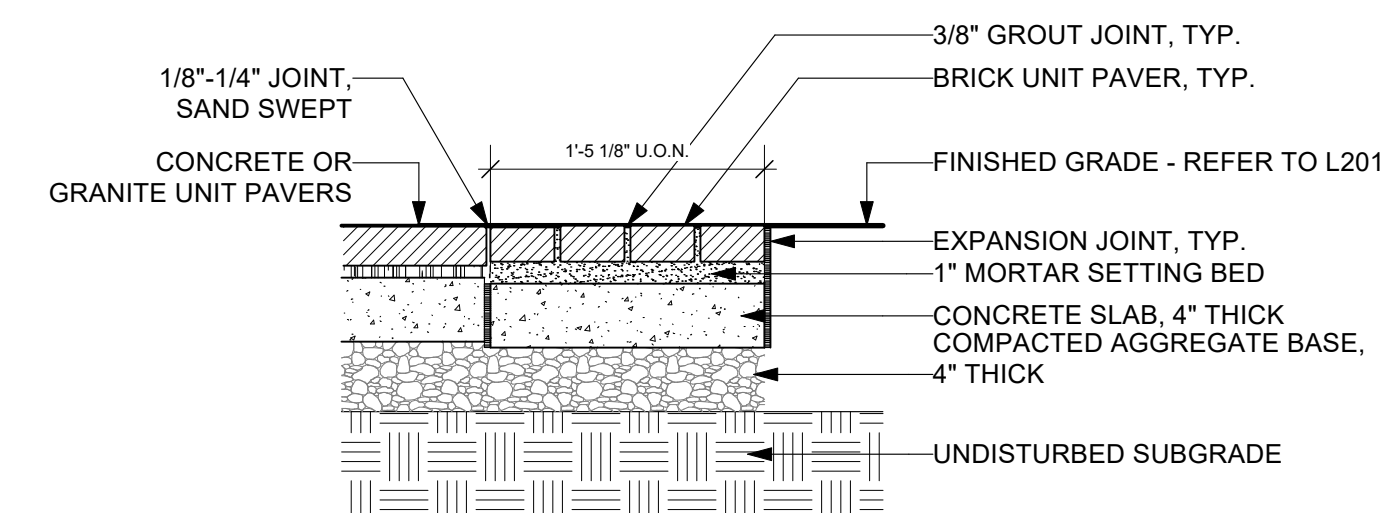
5 ASPHALT MILL AND OVERLAY
L601 Scale: 1" = 1'-0"



6 CONCRETE PAVING, TYP.
L601 Scale: 1" = 1'-0"

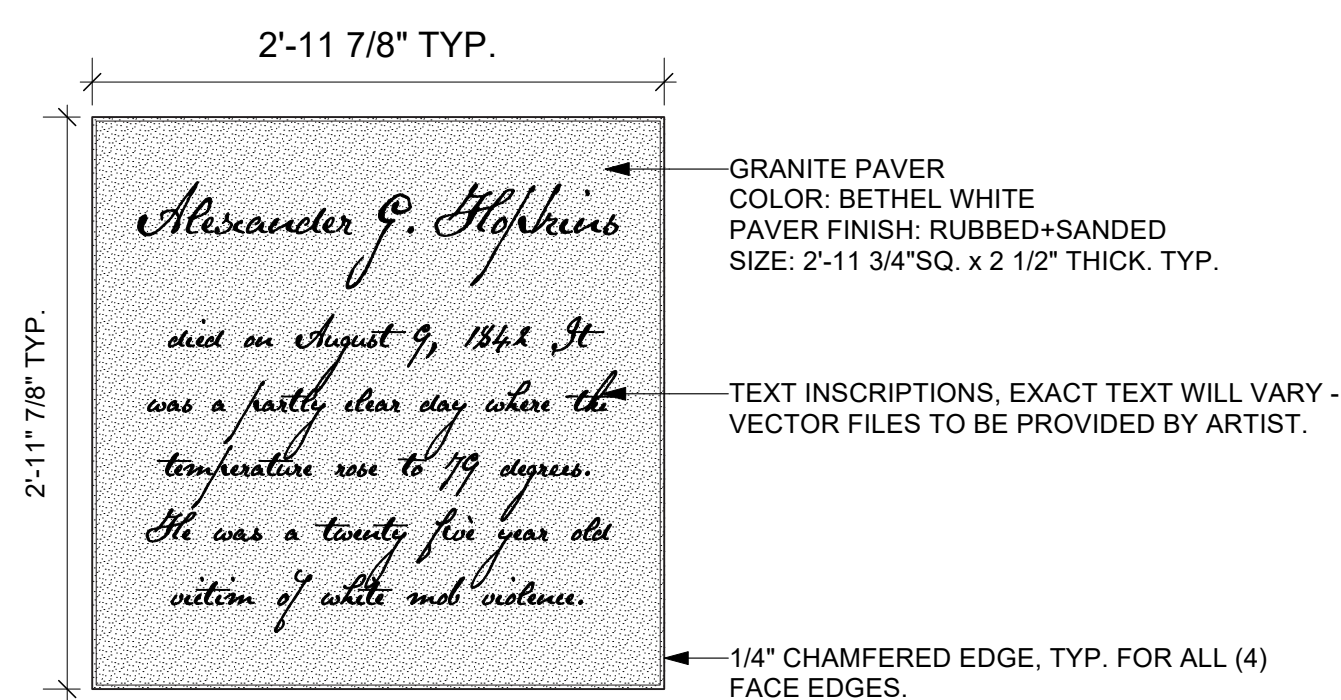


3 BRICK PAVING BAND
L601 Scale: 1" = 1'-0"



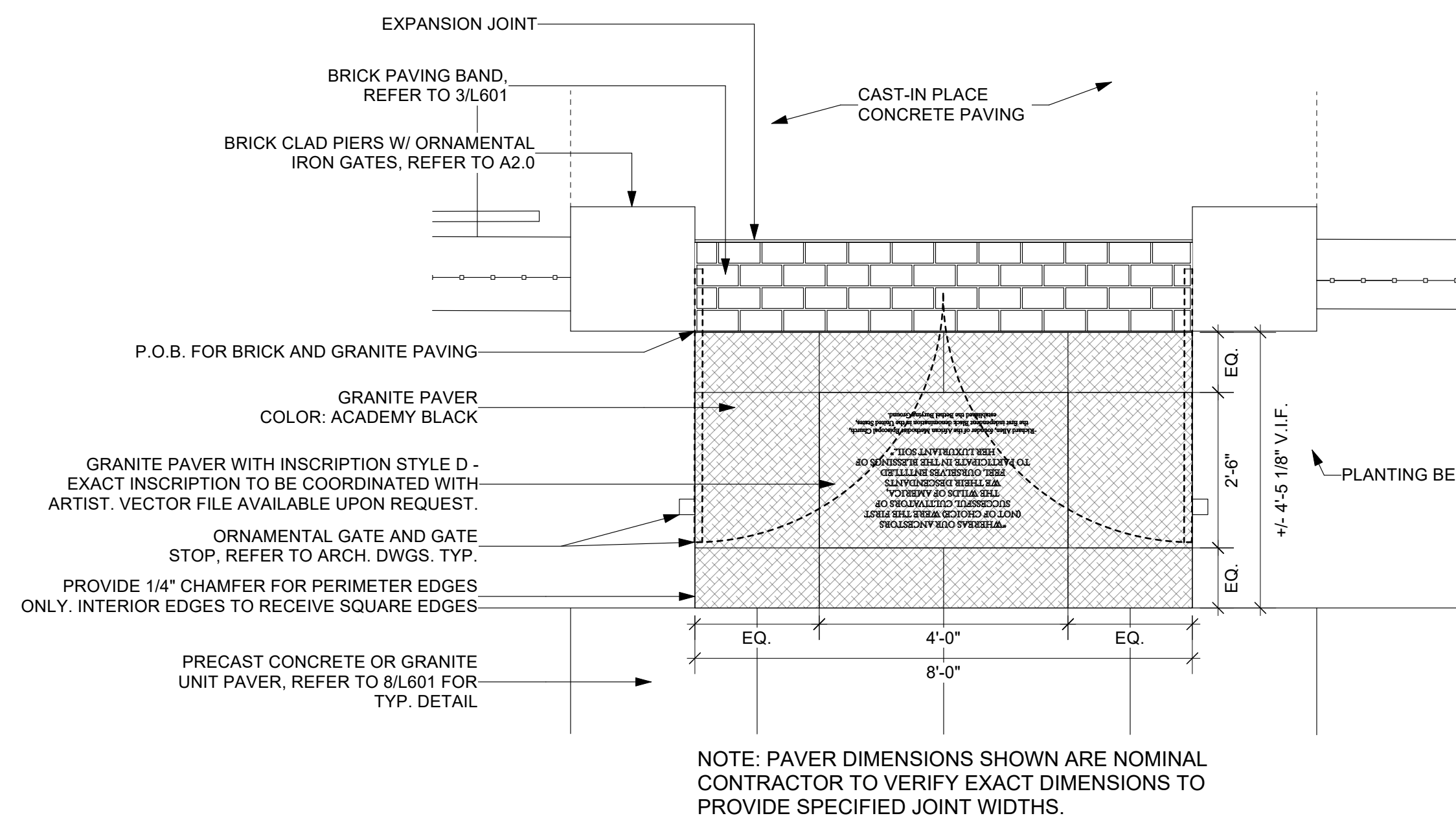
3 BRICK PAVING BAND
L601 Scale: 1" = 1'-0"

INSCRIPTION STYLE	SPECIFICATION NOTES
INSCRIPTION STYLE A	INCISED SAND-BLAST LETTERING 1/16"-1/8" DEEP, TYP. LETTERING FINISH: MEDIUM DARK GREY SHADOW.
INSCRIPTION STYLE B	INCISED SAND-BLAST LETTERING, DEPTH TO BE AS SHALLOW AS POSSIBLE WITHOUT LOSING LEGIBILITY, TYP. LETTERING FINISH: NO COLORIZATION
INSCRIPTION STYLE C	RAISED LETTERING, 1/32" - 1/16" PROTRUSION LETTERING FINISH: DIAMOND 8

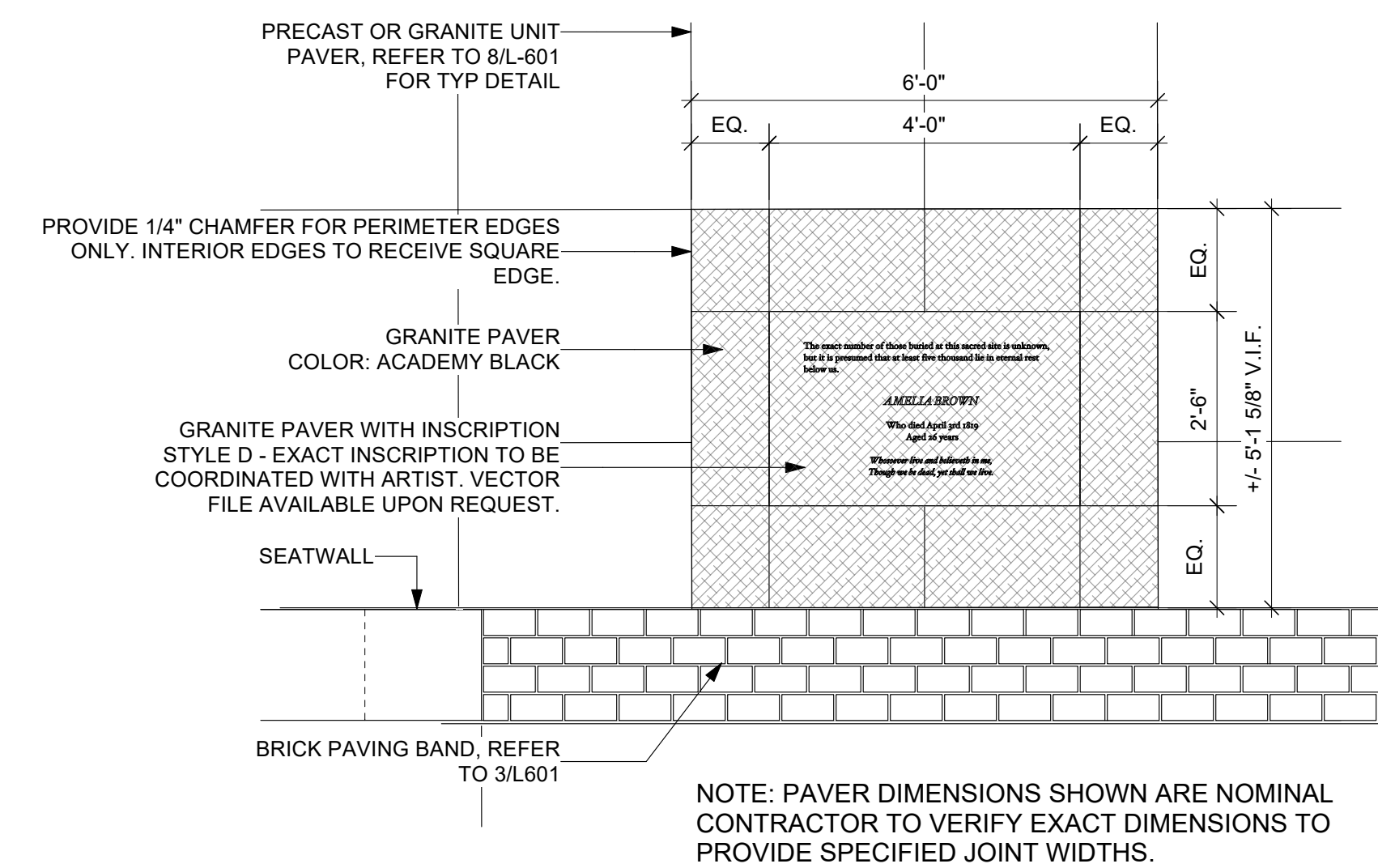


7 ENGRAVED GRANITE PAVER, TYP.
L601 Scale: 1" = 1'-0"

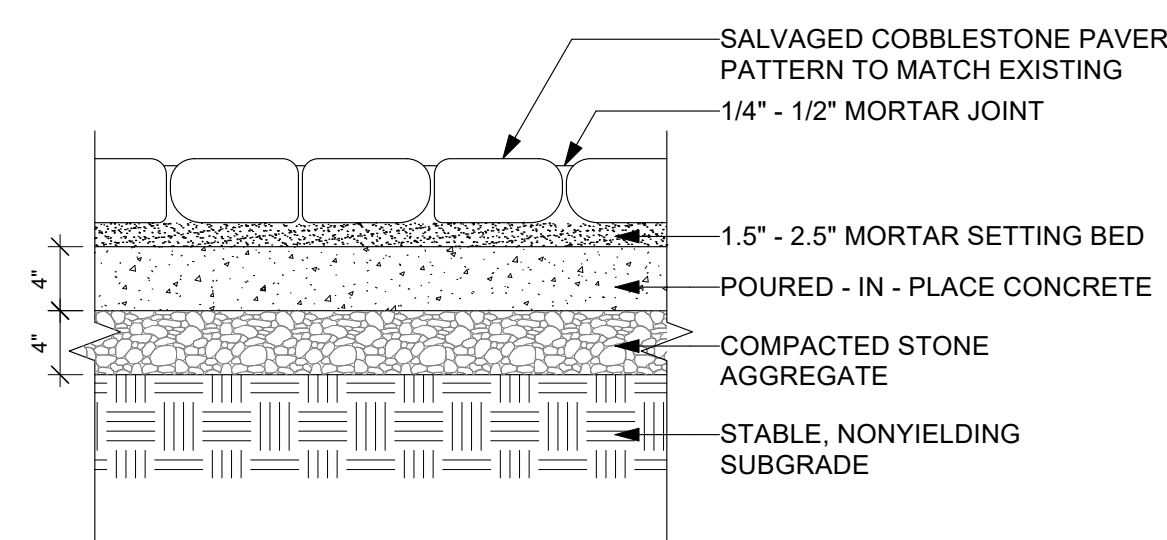
INSCRIPTION STYLE	SPECIFICATION NOTES
INSCRIPTION STYLE D	INCISED SAND-BLAST LETTERING 1/16" DEEP, TYP. LETTERING FINISH: #12 GOLD METALLIC SPRAY



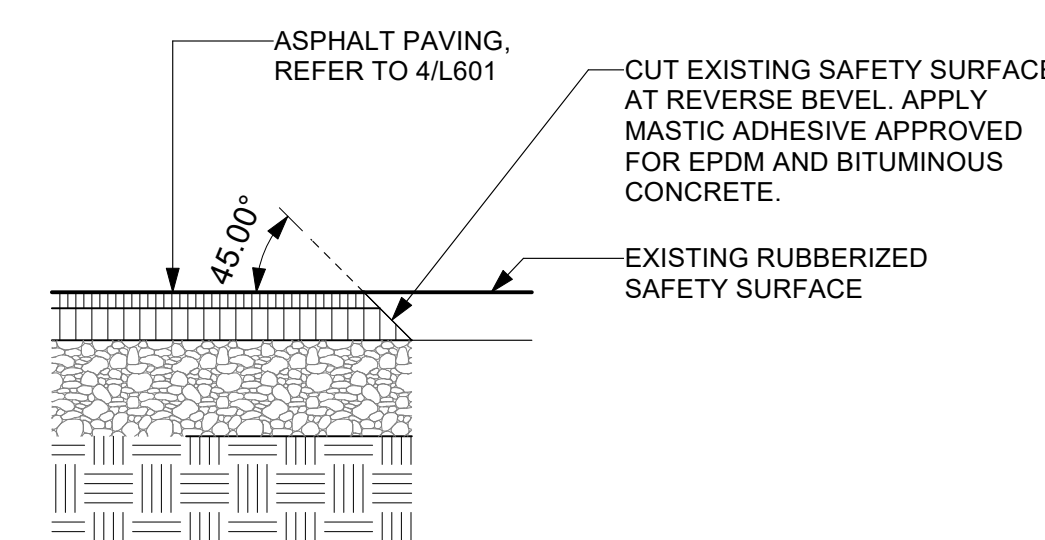
8 PAVING PLAN ENLARGEMENT AT GATE
L601 Scale: 1/2" = 1'-0"



9 PAVING PLAN ENLARGEMENT AT NORTH ENTRANCE
L601 Scale: 1/2" = 1'-0"



10 SALVAGED COBBLESTONE PAVER
L601 Scale: 1" = 1'-0"



11 ASPHALT PAVING AT EXISTING SAFETY SURFACE
L601 Scale: 1" = 1'-0"

BETHEL BURYING GROUND MEMORIAL PROJECT AT WECCACOE PLAYGROUND

Design Team:

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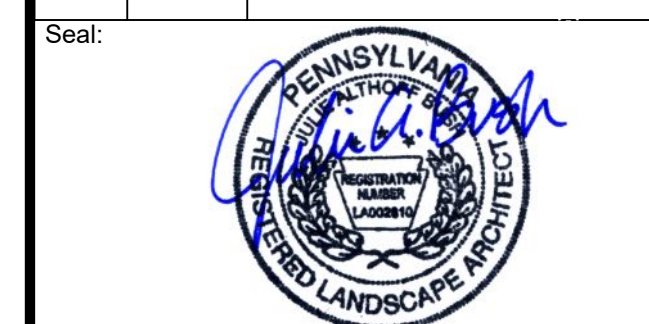
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No.	Date	Revisions



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Job Number: 749
File:

Date:
05/10/2024

Drawing Set:
100% CONSTRUCTION DOCUMENTS

Drawing Title:
SITE DETAILS

Drawing Number:
L601

BETHEL BURYING GROUND MEMORIAL PROJECT AT WECCACOE PLAYGROUND

Design Team:

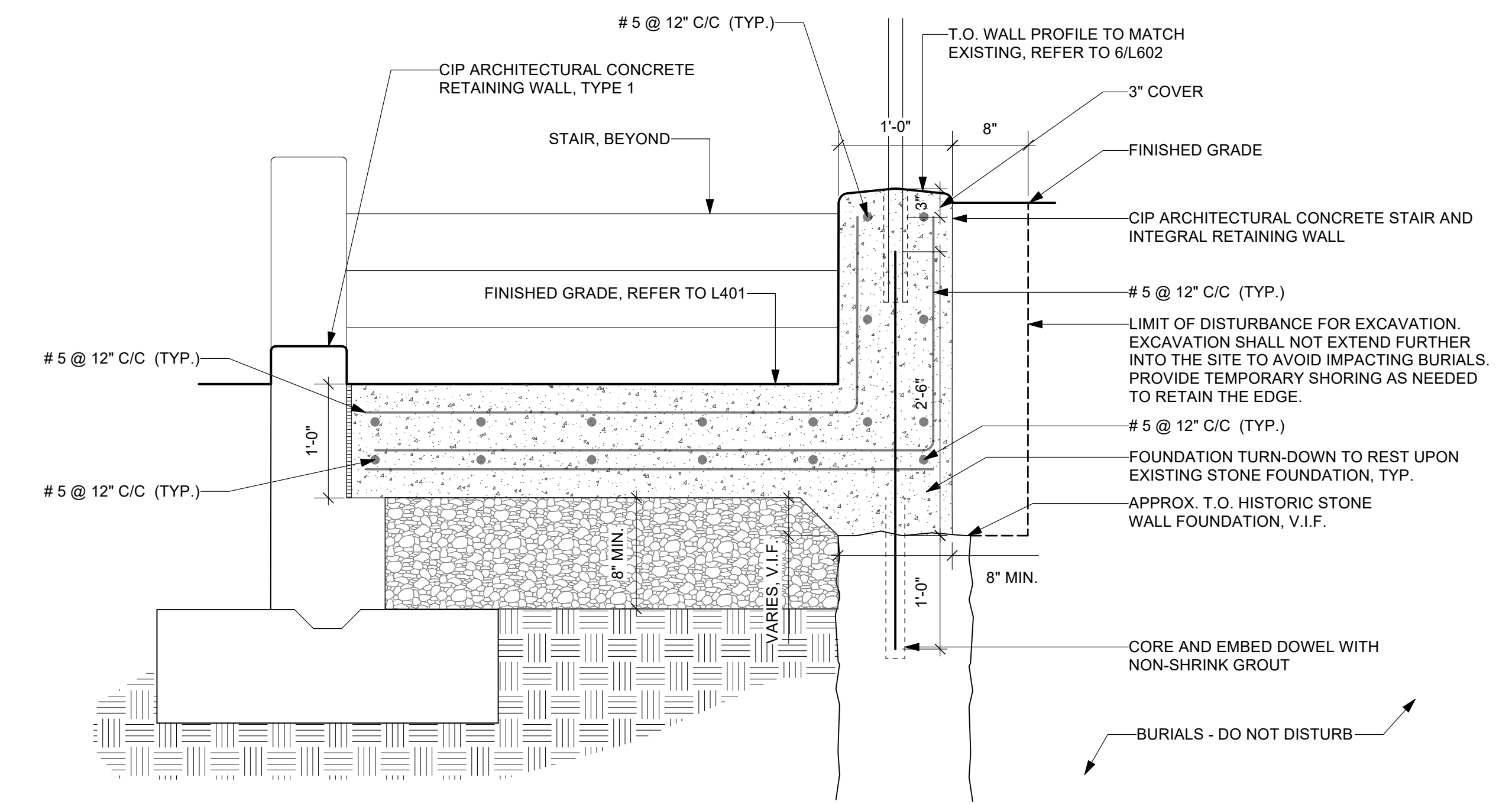
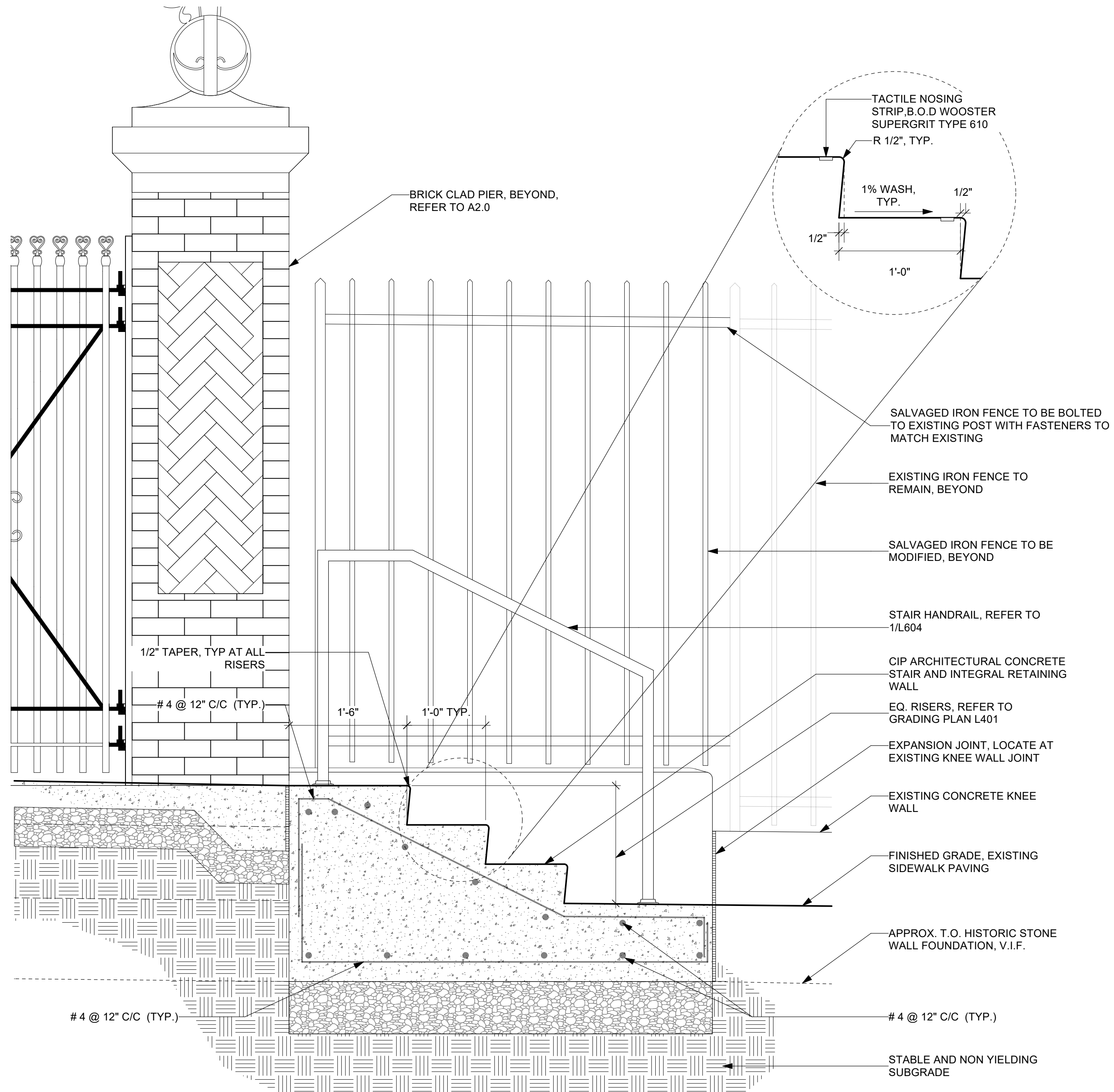
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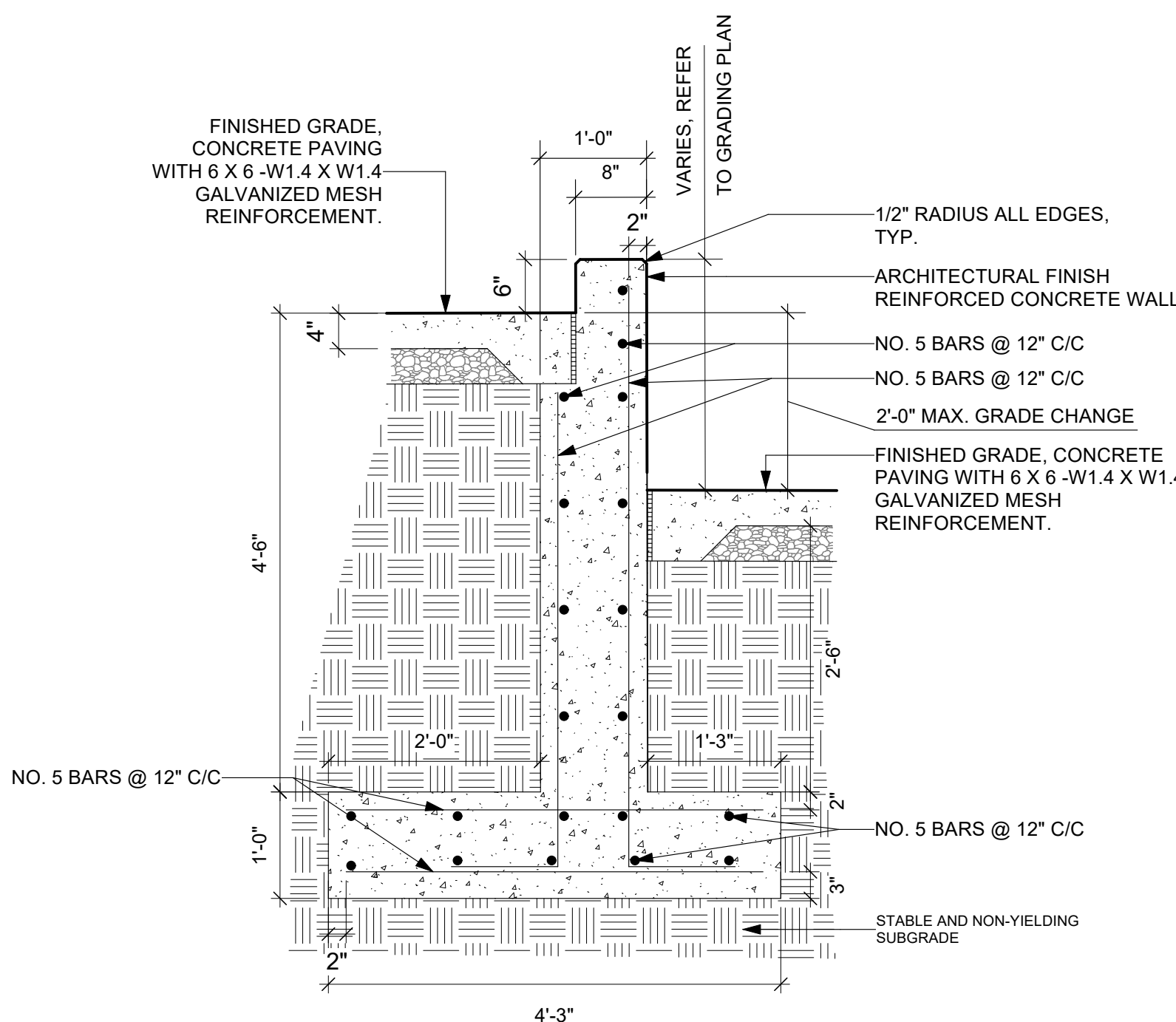
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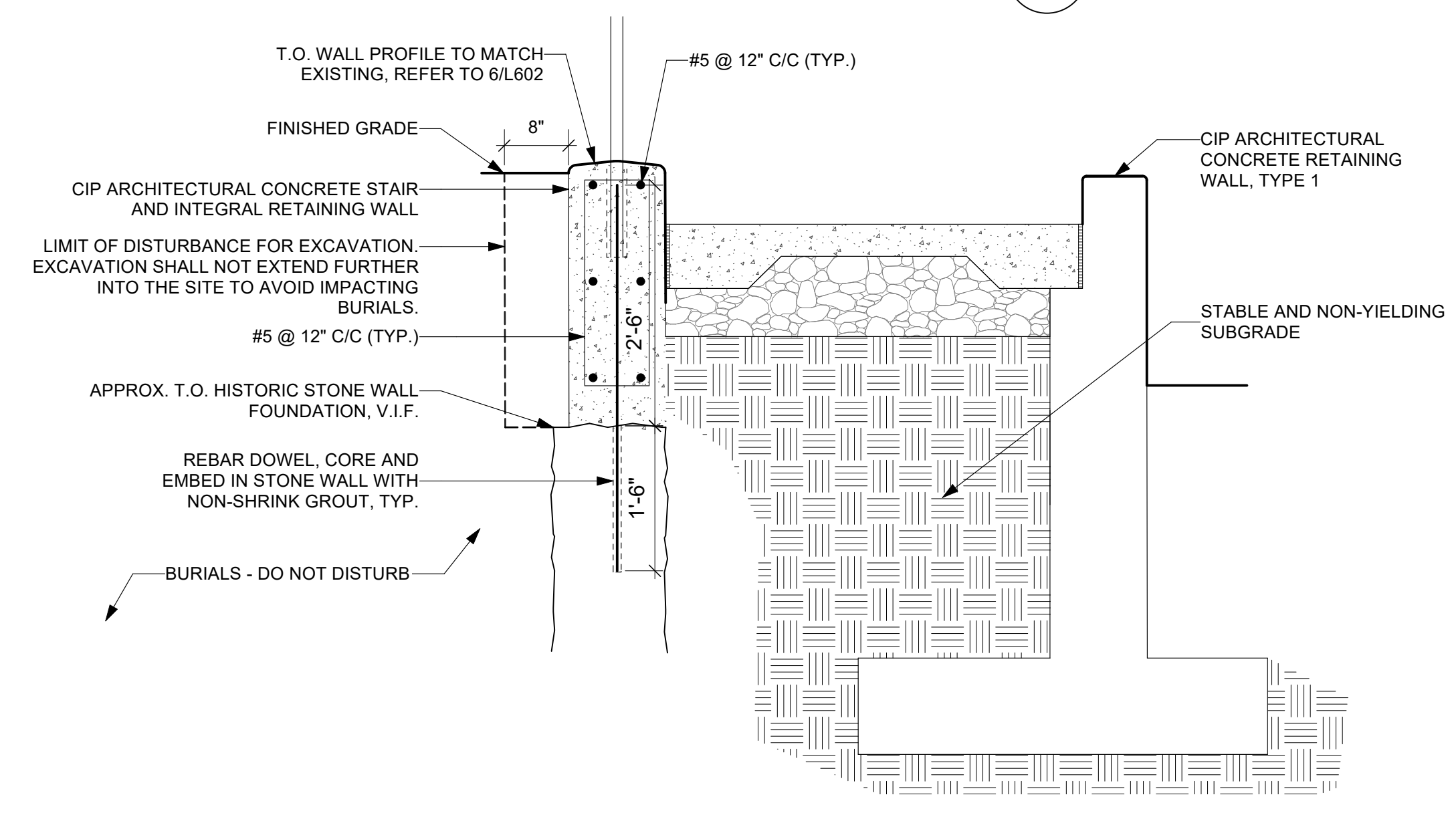
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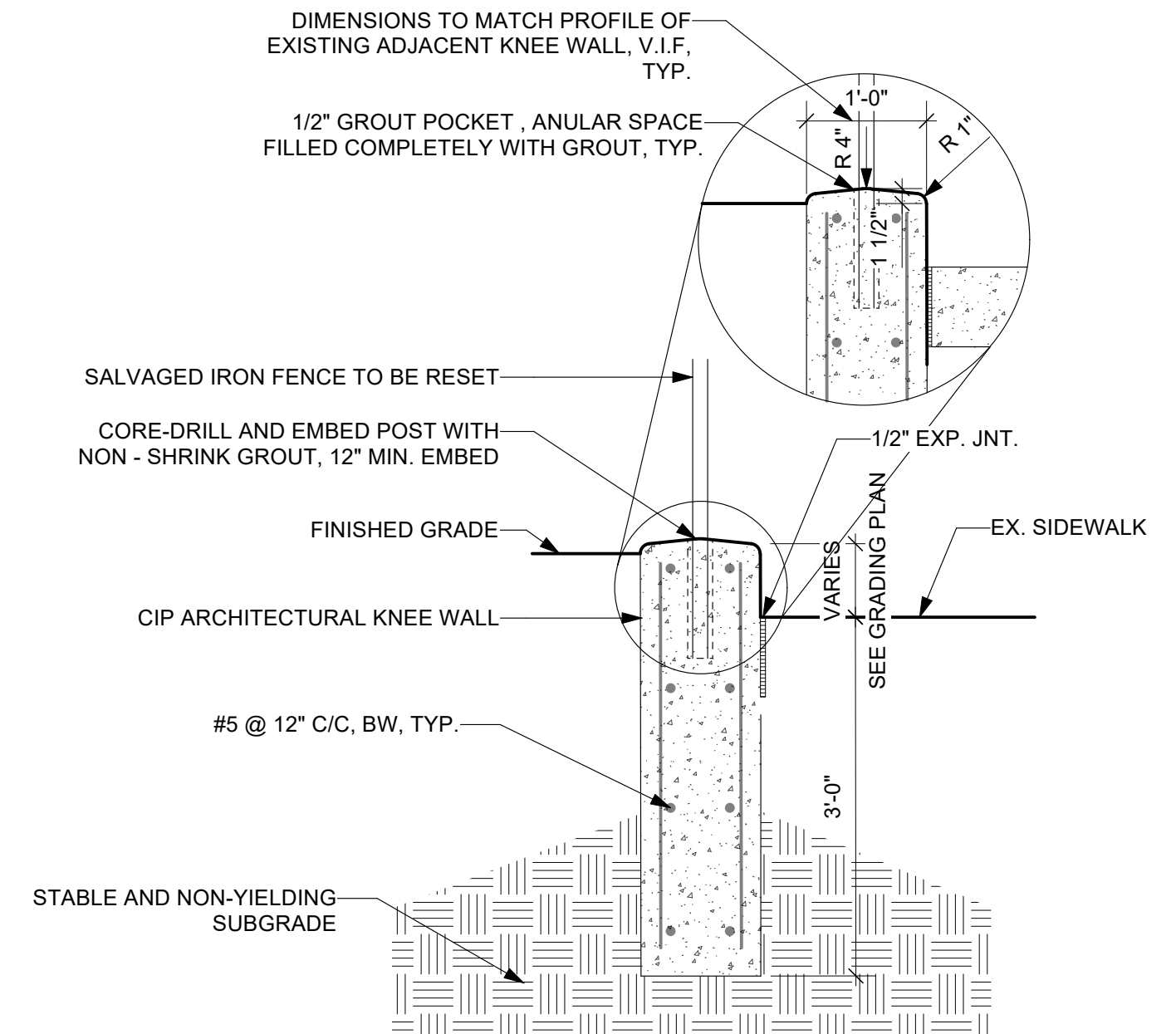
3
L602
Scale: 1" = 1'-0"



4
L602
Scale: 3/4" = 1'-0"

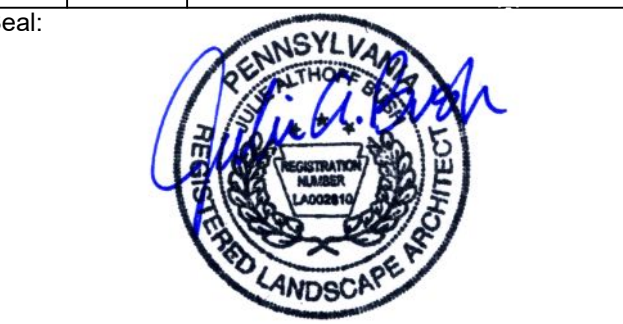


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L602
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6
L602
Scale: 3/4" = 1'-0"

No.	Date	Revisions



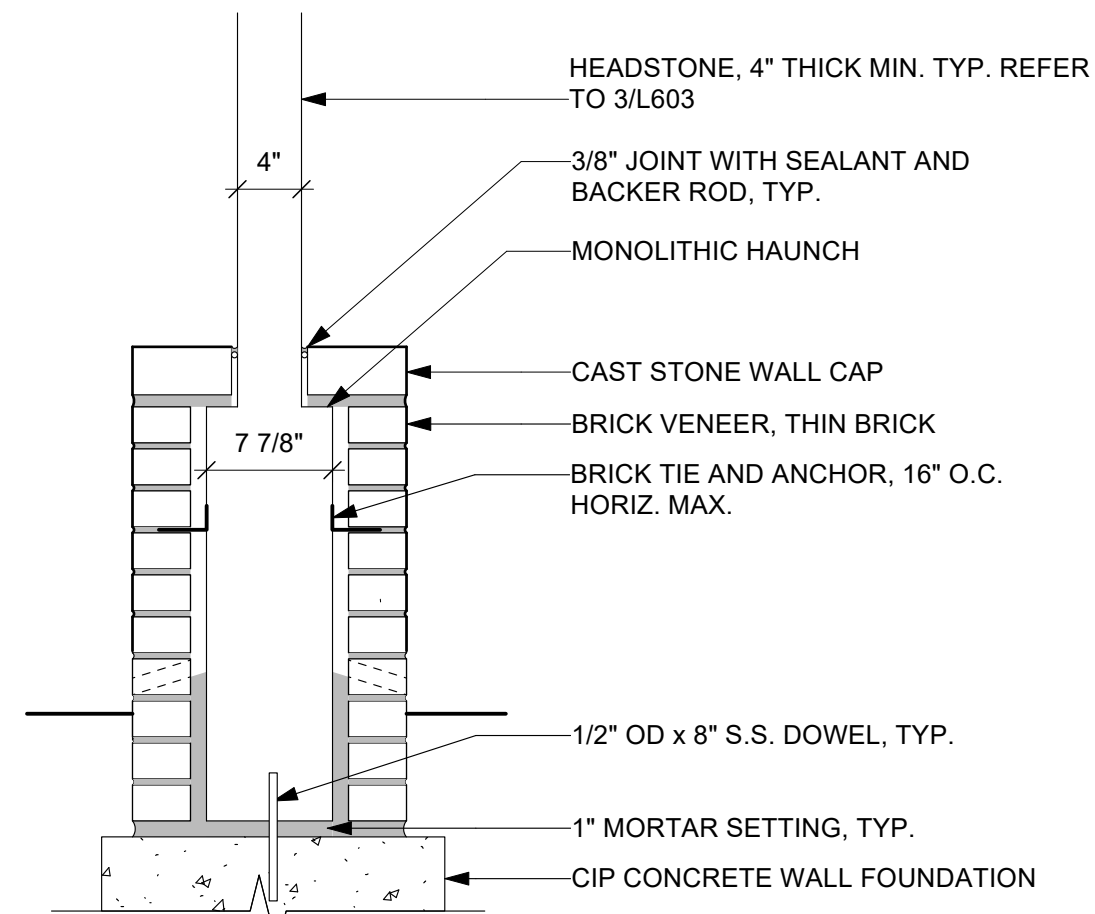
Drawn: XD/TM
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Approved: JB

Job Number: 749
Date: 05/10/2024

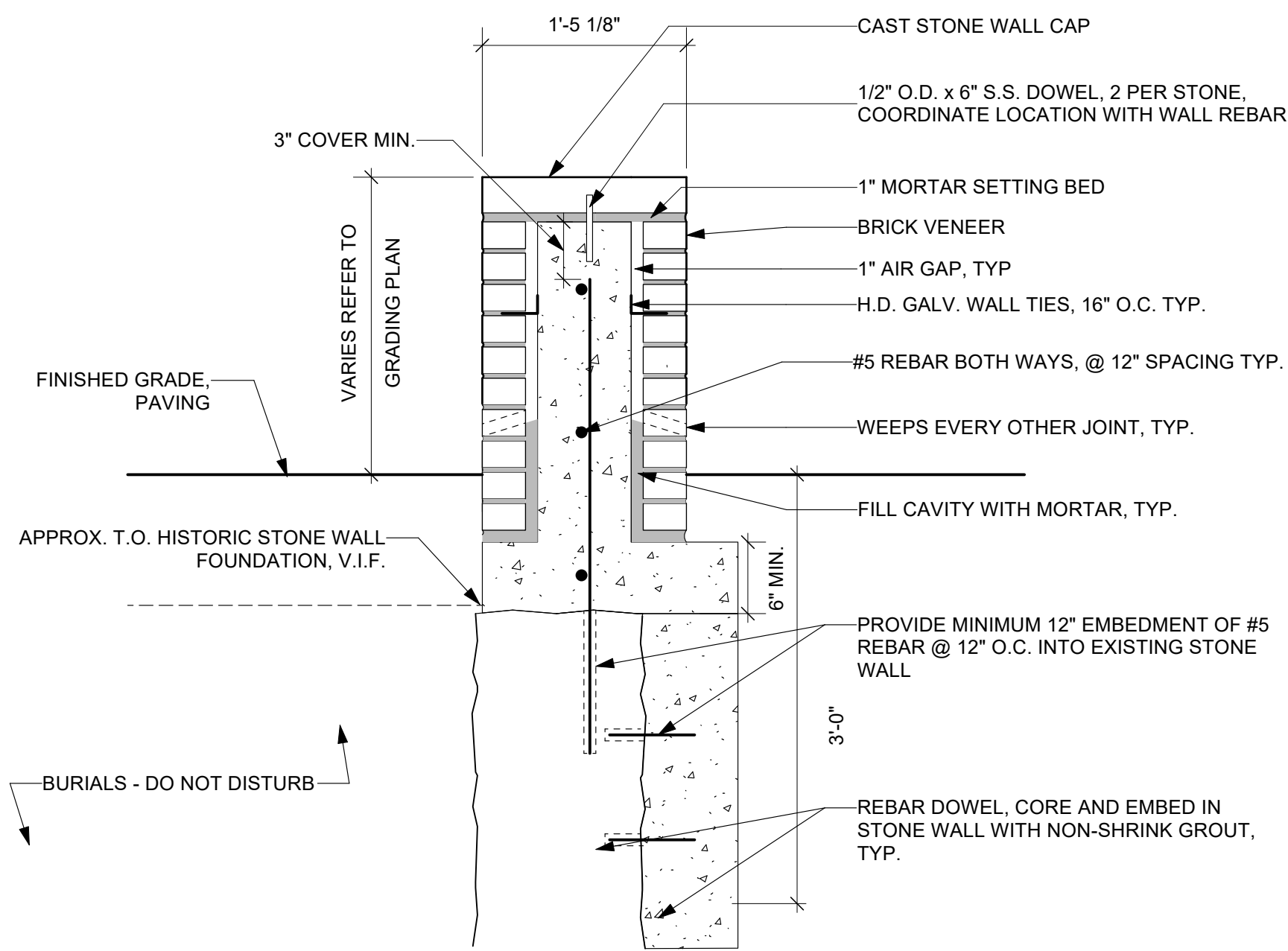
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Drawing Title:
SITE DETAILS

Drawing Number:
L602

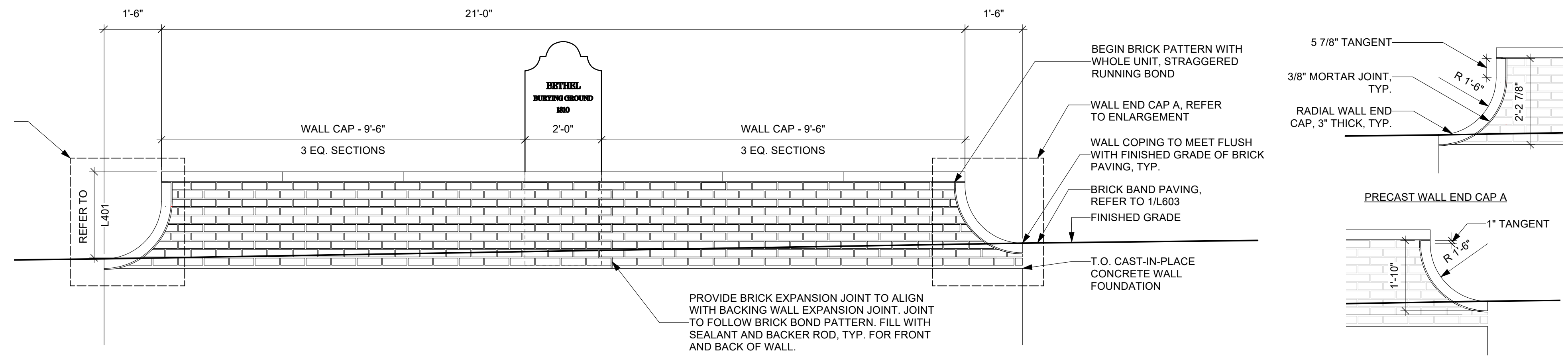


SECTION AT HEADSTONE

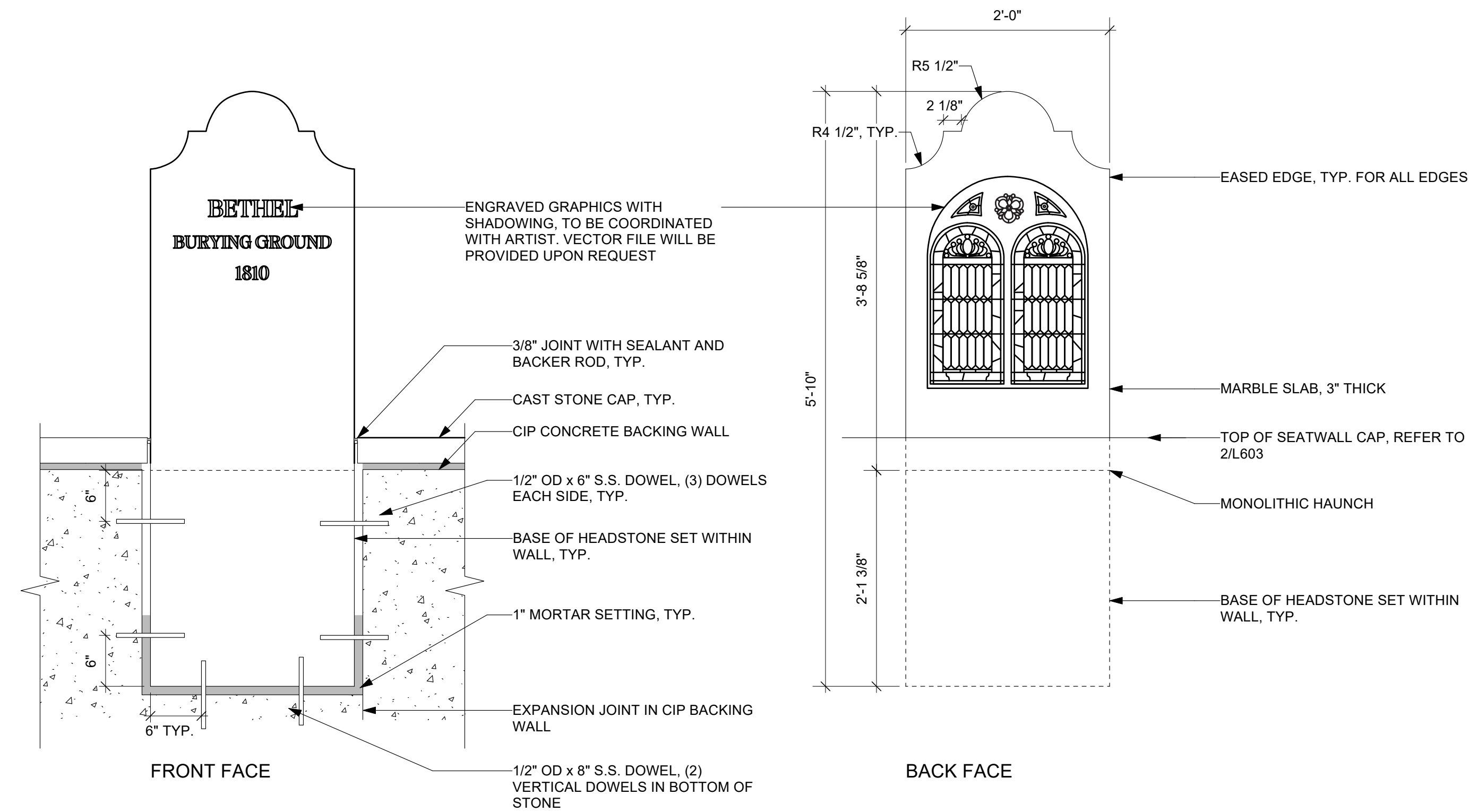
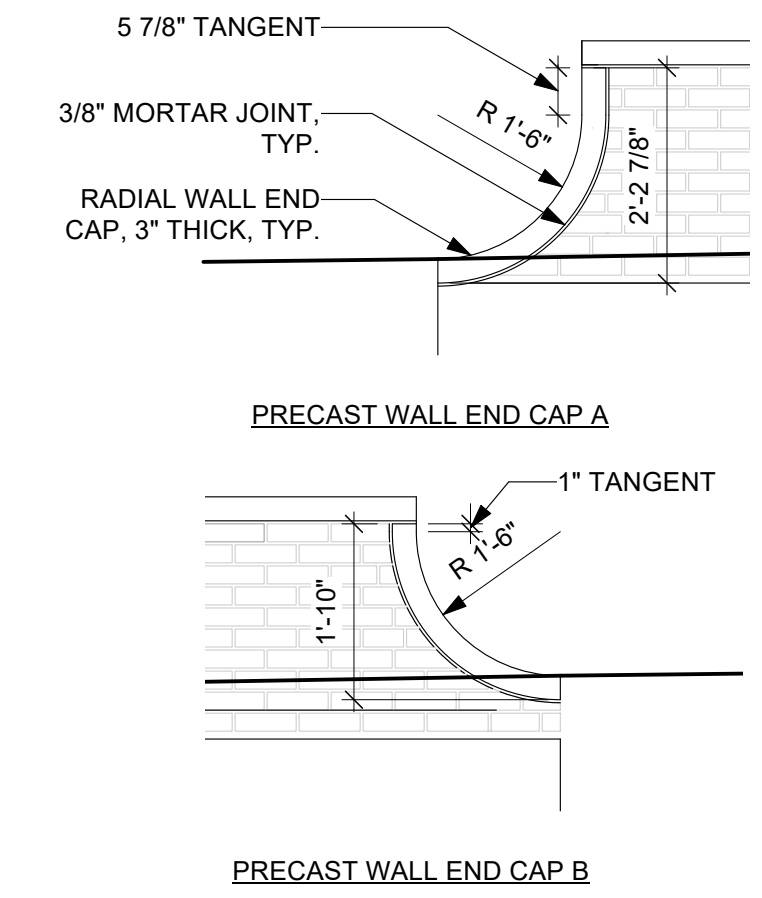


SECTION - TYPICAL

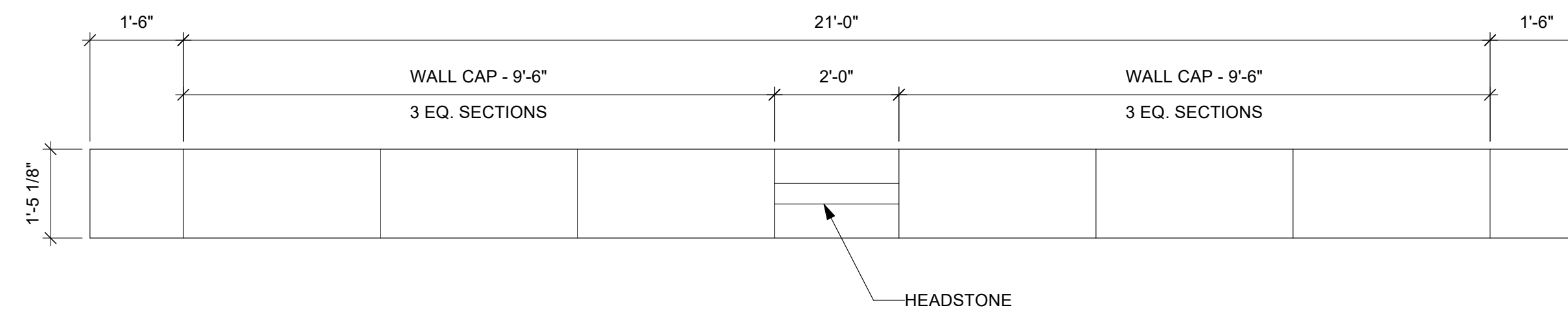
1 BRICK CLAD SEATWALL
L603 Scale: 1" = 1'-0"



2 BRICK SEATWALL ELEVATION
L603 Scale: 1/2" = 1'-0"



3 HEADSTONE ENLARGEMENT
L603 Scale: 1" = 1'-0"



5 BRICK SEATWALL PLAN DETAIL
L603 Scale: 1/2" = 1'-0"

BETHEL BURYING GROUND MEMORIAL PROJECT AT WECCACOE PLAYGROUND

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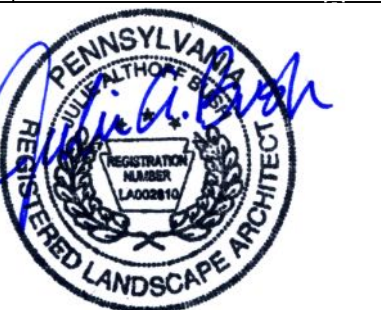
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No.	Date	Revisions

Seal:



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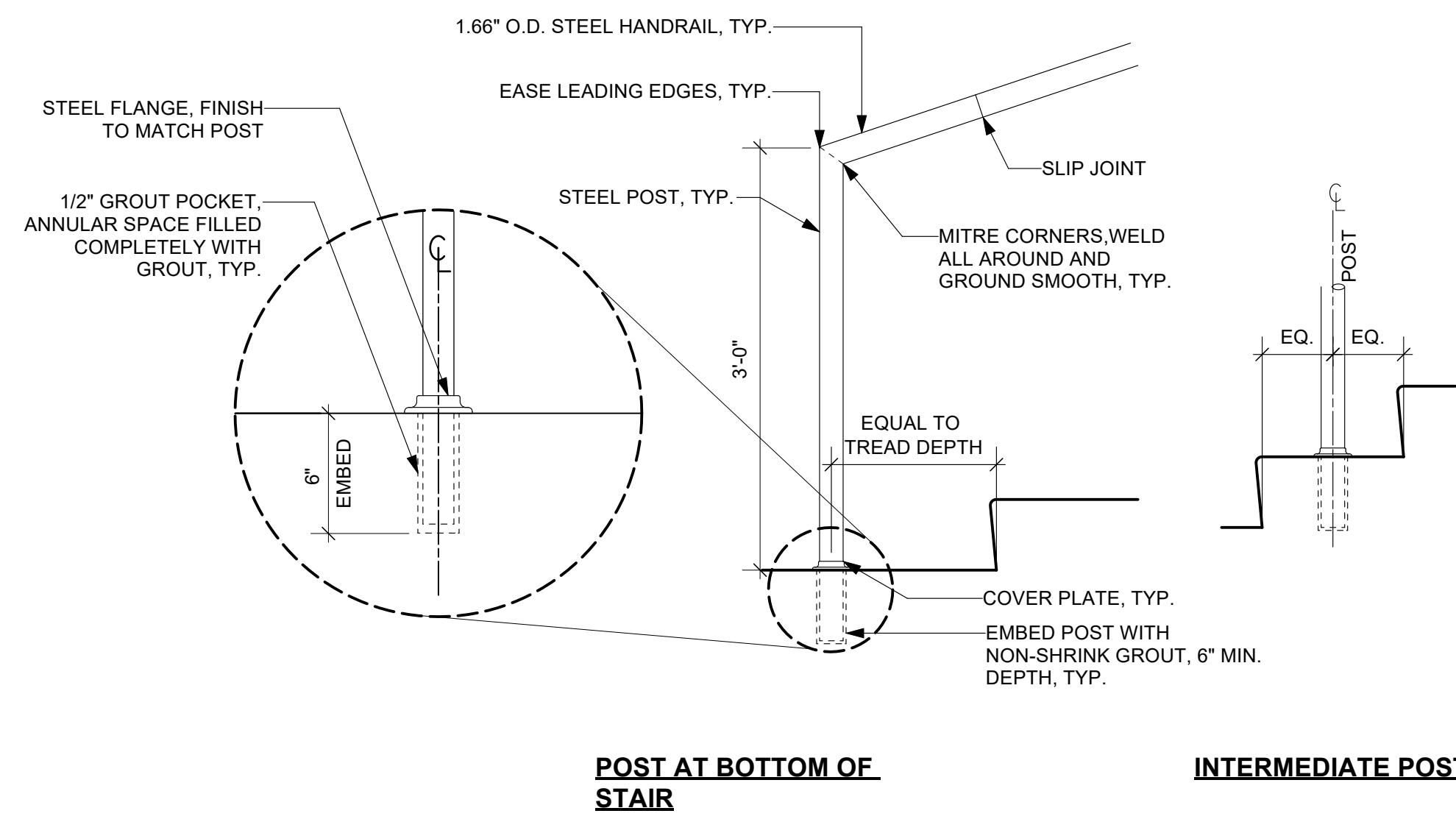
Date:
05/10/2024

Drawing Set:
100% CONSTRUCTION DOCUMENTS

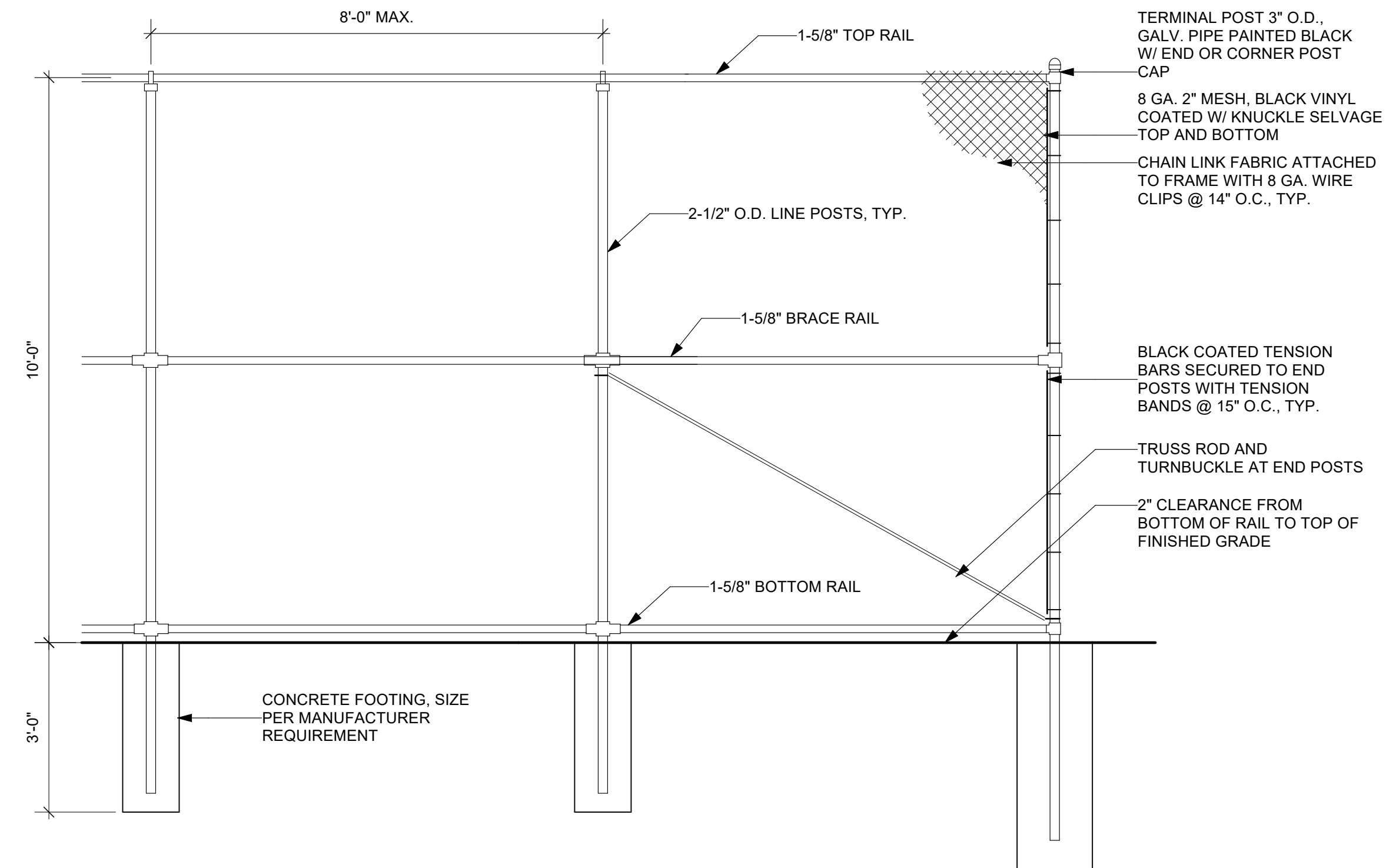
Drawing Title:
SITE DETAILS

Drawing Number:
L603

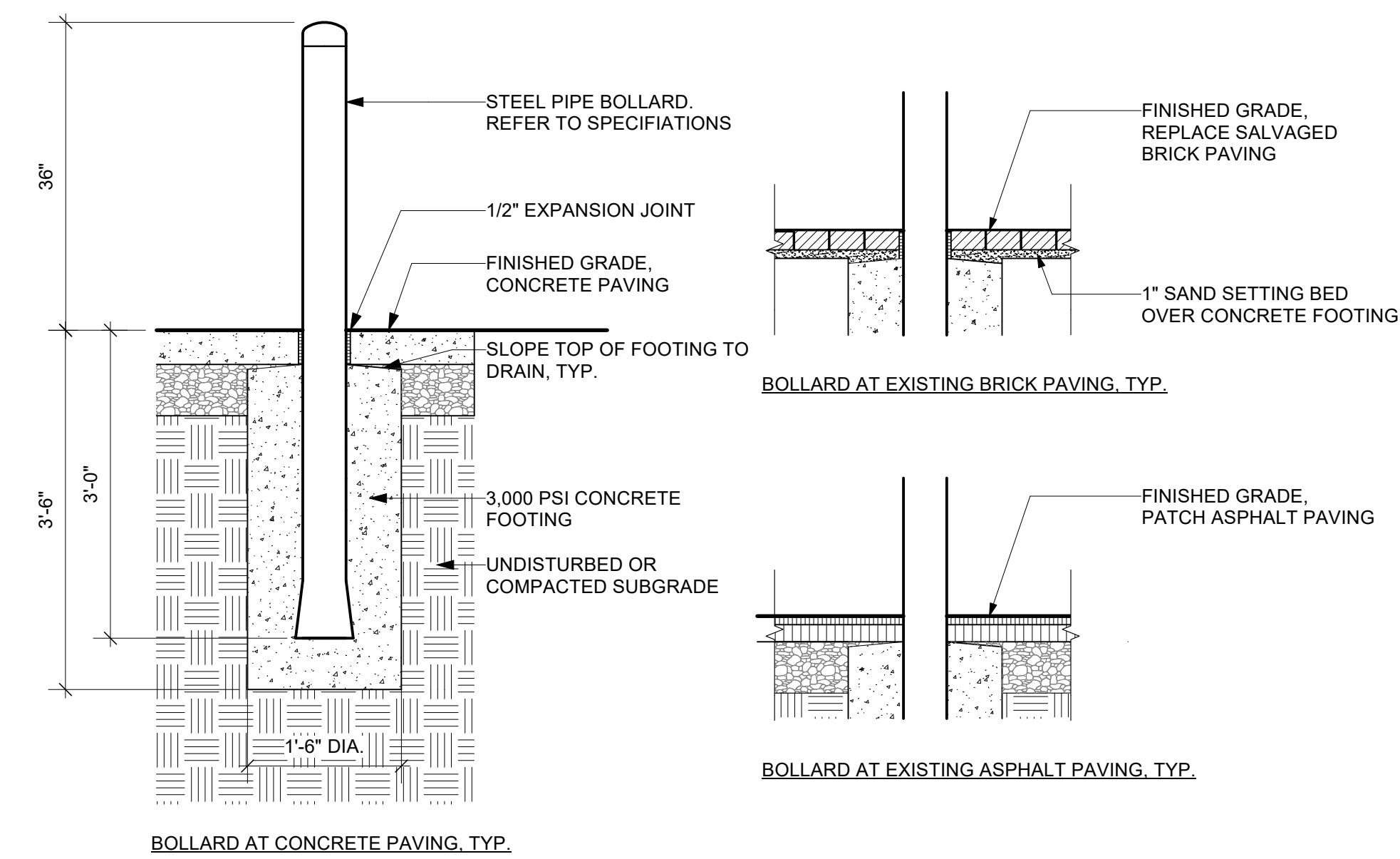
NOTES:
 1. HANDRAILS AND POSTS TO BE 1-1/4" SCHEDULE 40 (1.66" O.D.) STEEL - SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 2. HANDRAILS AND POSTS TO BE SHOP PAINTED TO MATCH GATES.



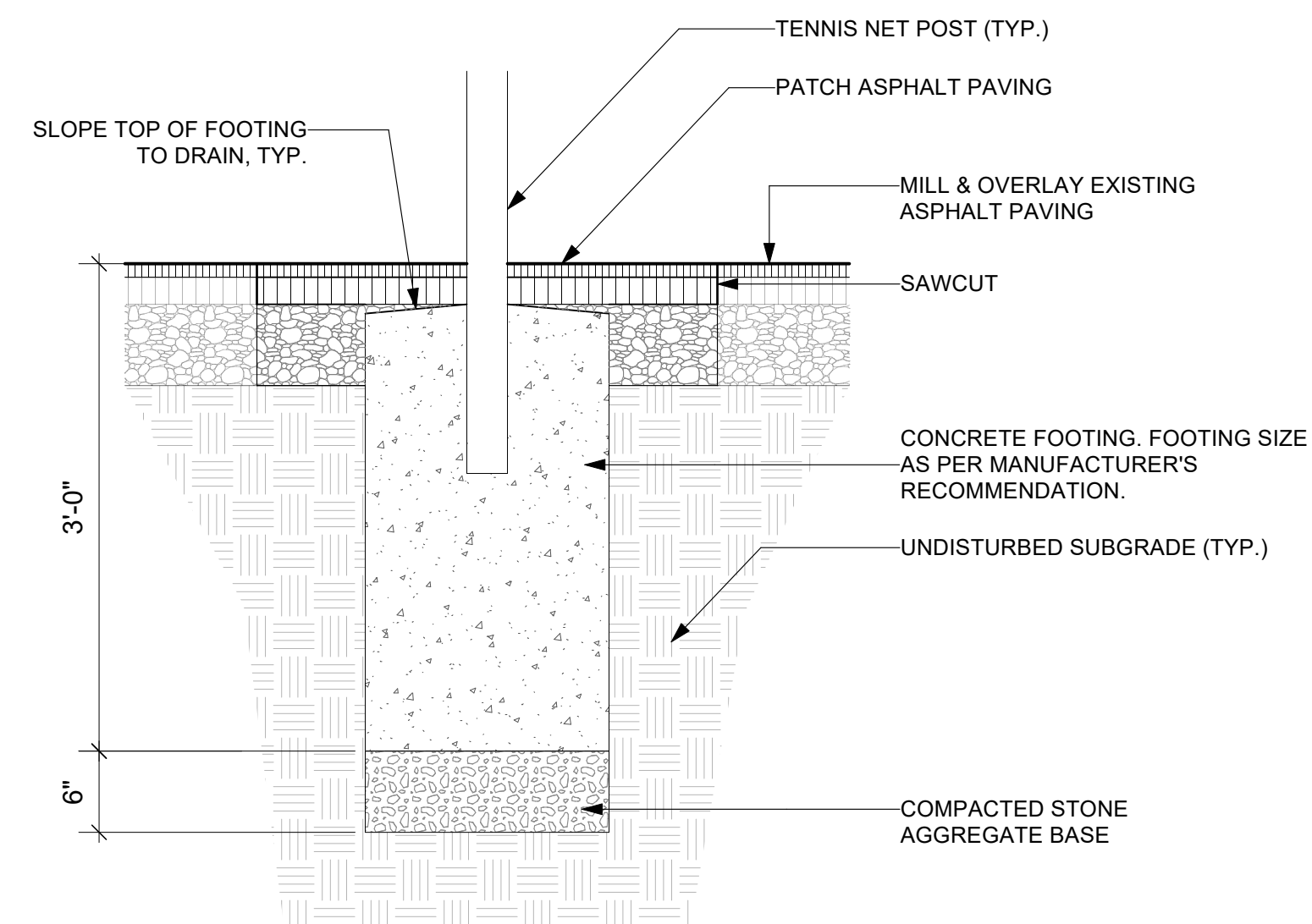
1 HANDRAIL DETAIL, TYP.
 L604 Scale: 1" = 1'-0"



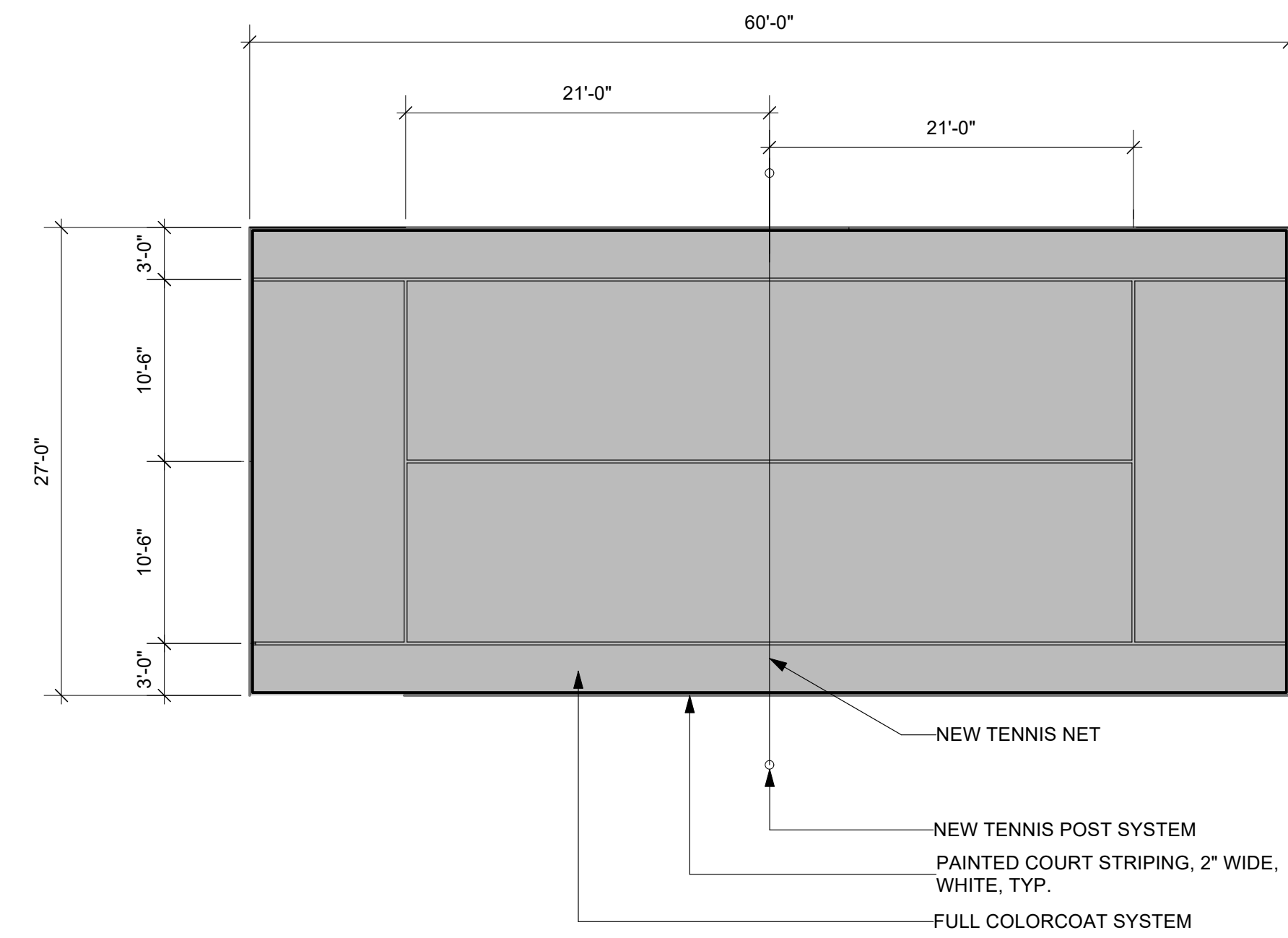
2 CHAIN LINK FENCE - 10' HT.
 L604 Scale: 1/2" = 1'-0"



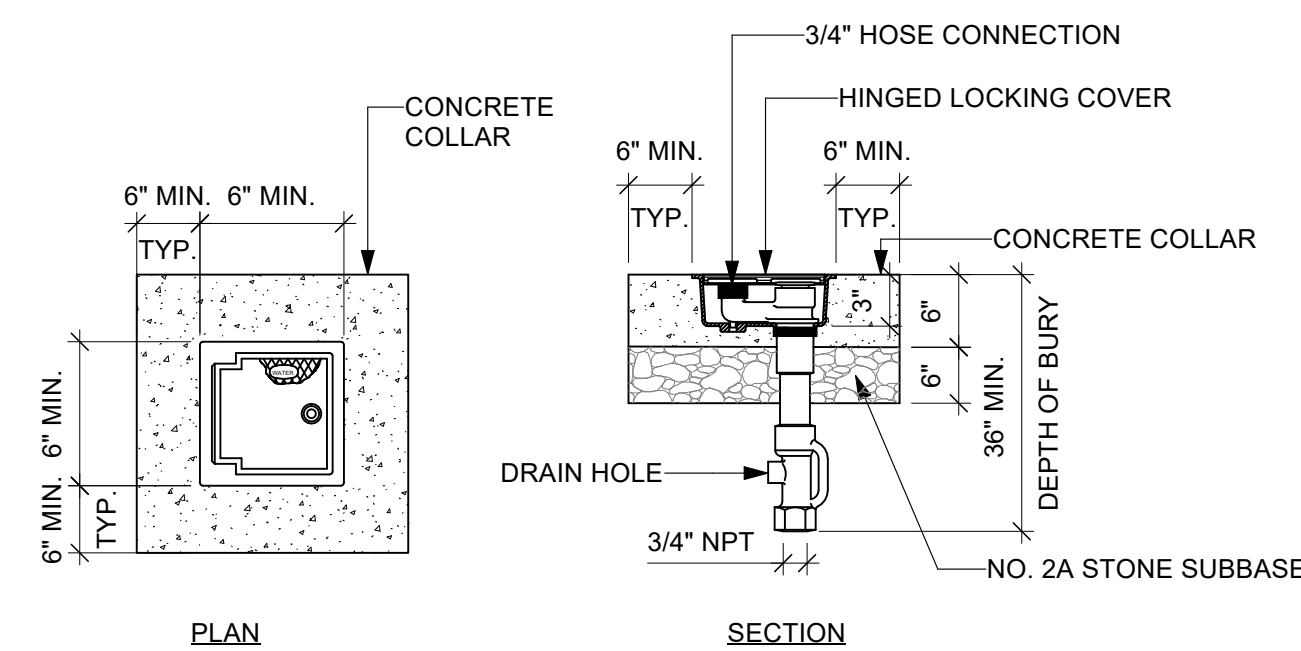
3 BOLLARD, TYP.
 L604 Scale: 3/4" = 1'-0"



4 TENNIS NET POST, TYP.
 L604 Scale: 1" = 1'-0"



5 JUNIOR TENNIS COURT STRIPING, TYP.
 L604 Scale: 1/8" = 1'-0"



6 FREEZE PROOF YARD HYDRANT
 L604 Scale: N.T.S.

BETHEL BURYING GROUND MEMORIAL PROJECT AT WECCACOE PLAYGROUND

Design Team:

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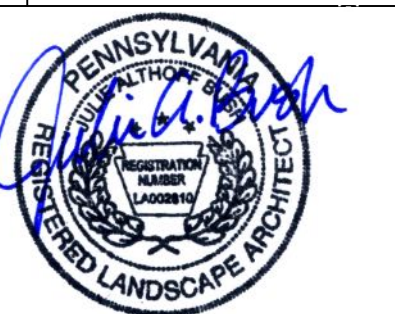
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No.	Date	Revisions

Seal:



Drawn: XD/TM Checked: TM Approved: JB

Job Number: 749
 File:

Date:
 05/10/2024

Drawing Set:
 100% CONSTRUCTION DOCUMENTS

Drawing Title:
 SITE DETAILS

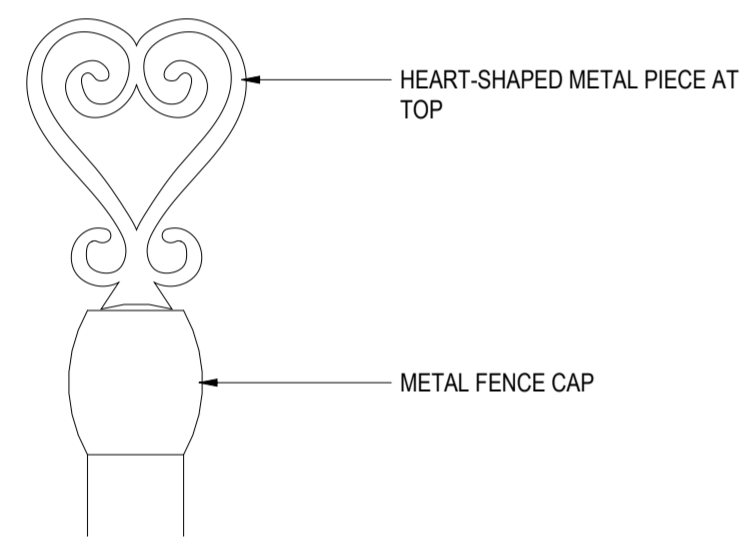
Drawing Number:
L604



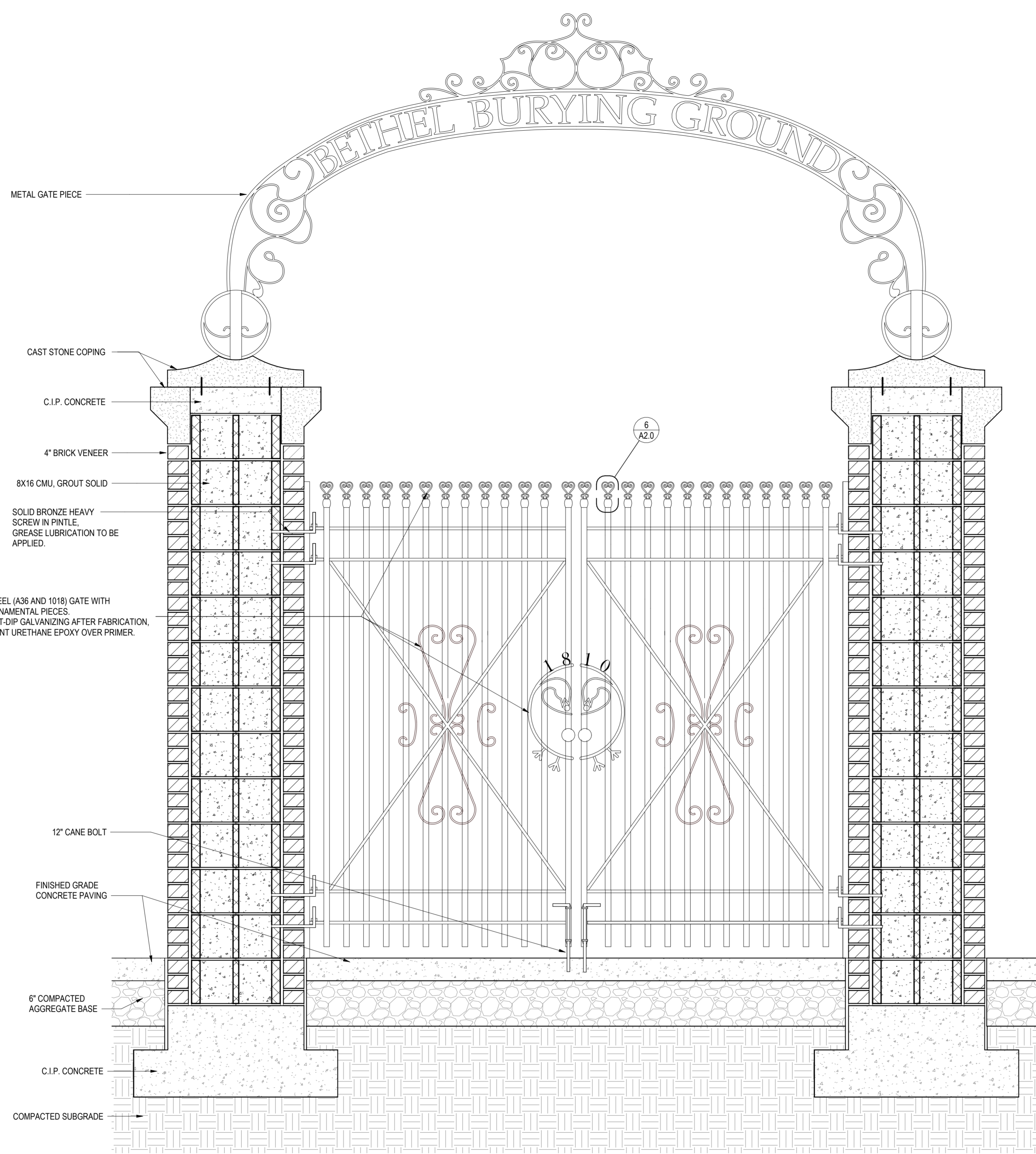
GATE RENDERING FROM ARTIST'S PROPOSAL



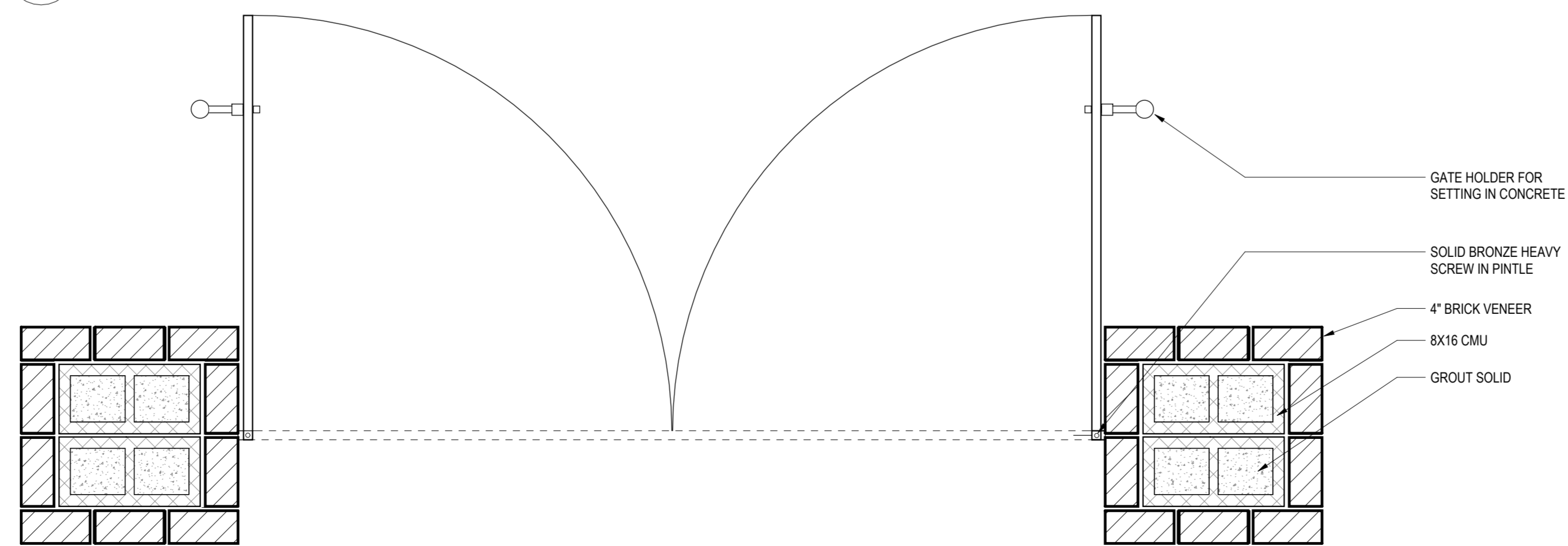
KEY SYMBOLS FROM ARTIST'S PROPOSAL



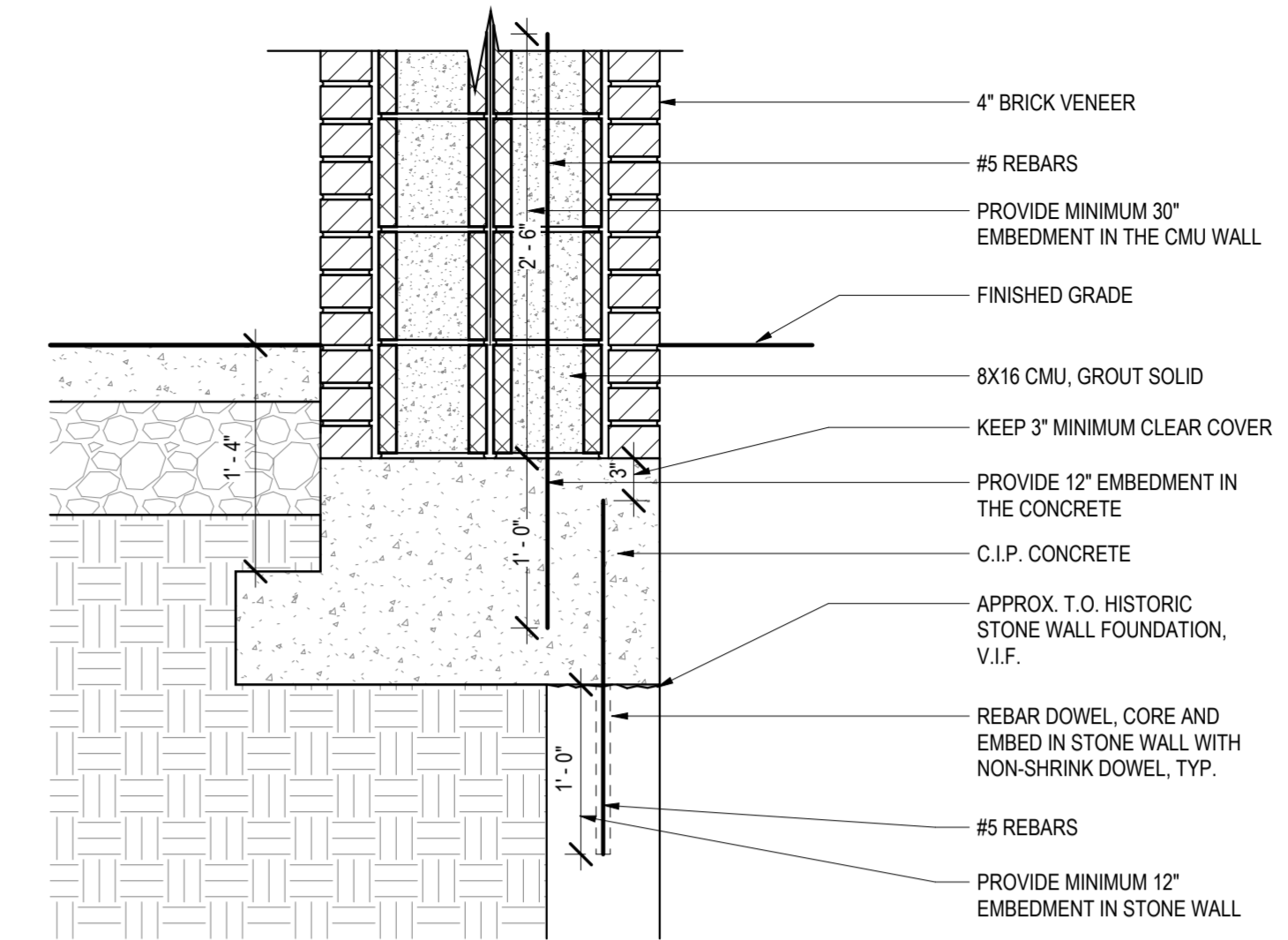
6 DETAIL - ORNAMENT PIECE
A2.0 6" 1'-0"



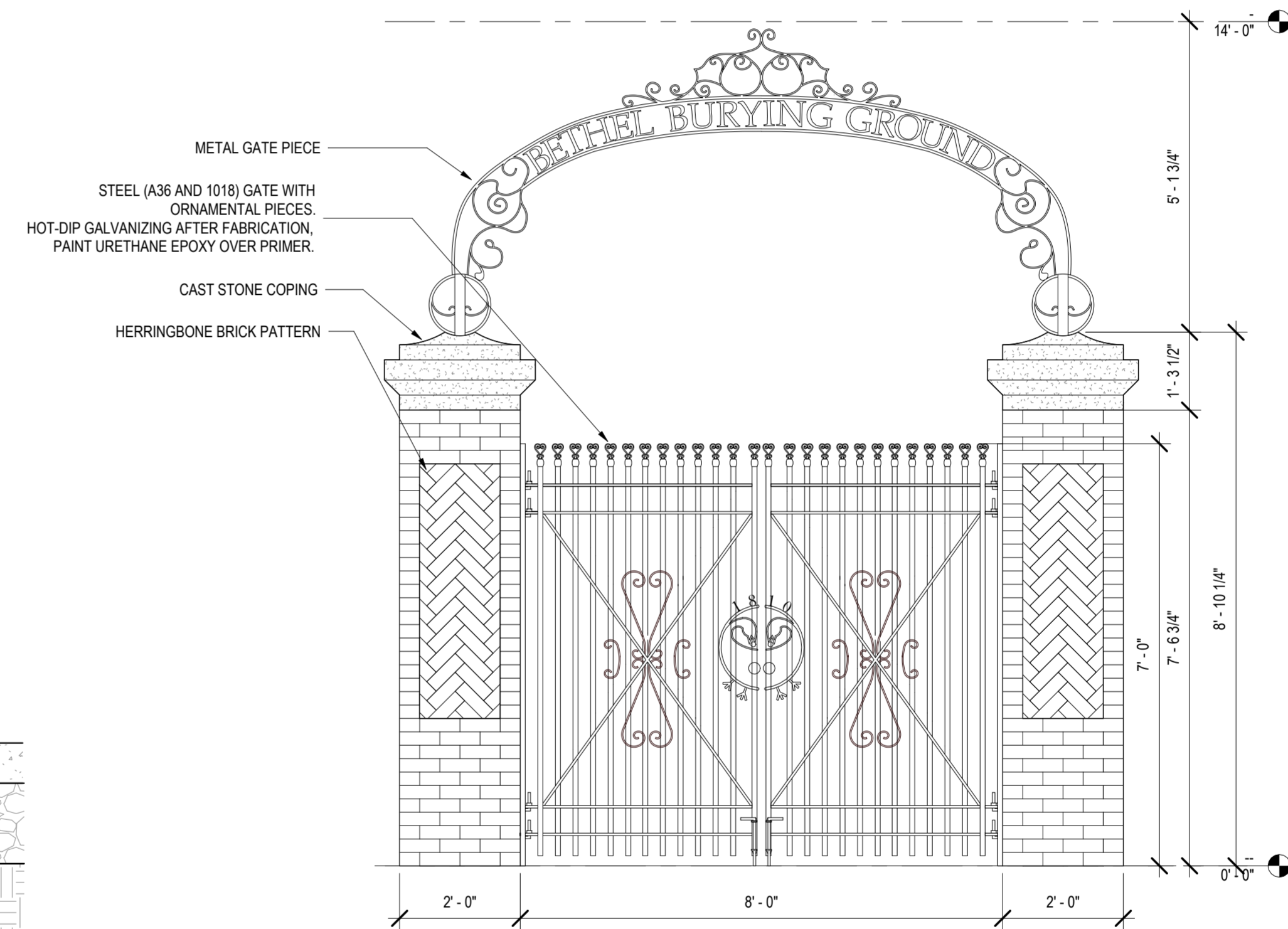
3 SECTION - EW LOOKING NORTH
A2.0 1" 1'-0"



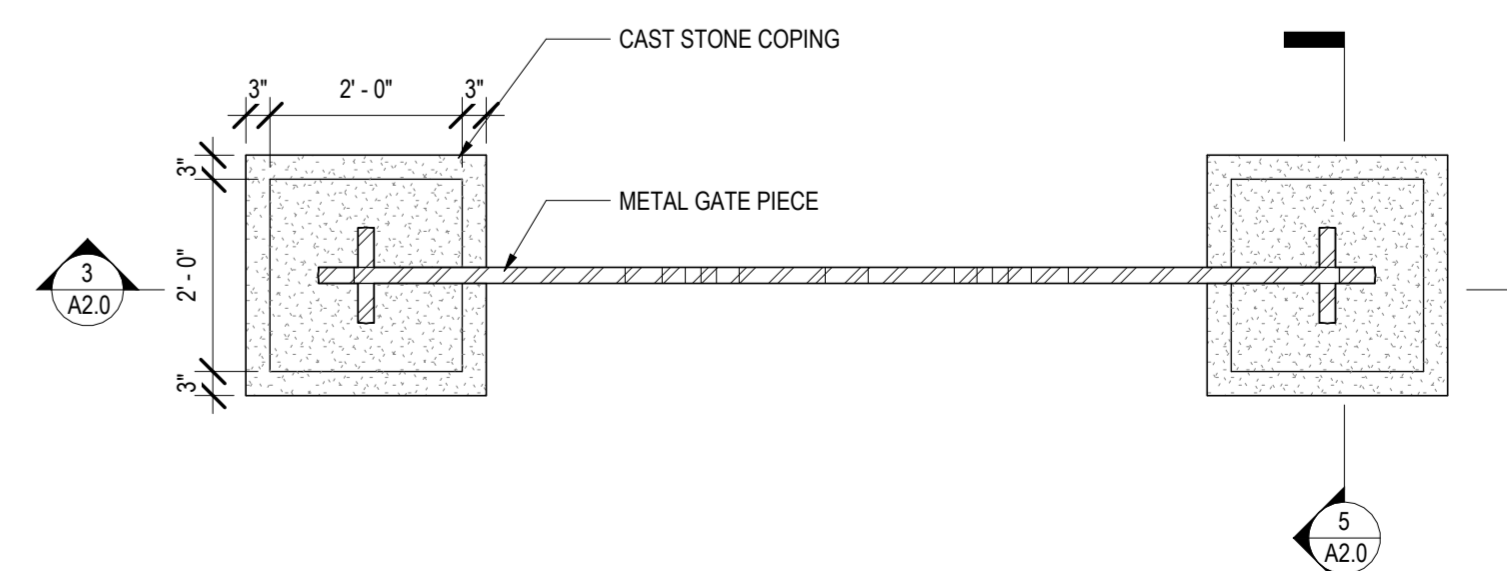
1 PLAN - BRICK PIER GATE
A2.0 1" 1'-0"



5 SECTION DETAIL AT FOUNDATION
A2.0 1" 1'-0"



2 ELEVATION - BRICK PIER GATE
A2.0 1/2" 1'-0"



4 PLAN - BRICK PIER GATE FROM TOP
A2.0 1/2" 1'-0"

BETHEL BURYING GROUND MEMORIAL PROJECT AT WECCACOE PLAYGROUND

Design Team:

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DETAILS - BRICK PIERS AND GATE

Drawing Number:

A2.0