

# OLD TRAILSIDE MUSEUM SANITARY LIFT STATION

## PRELIMINARY AND FINAL SITE PLAN

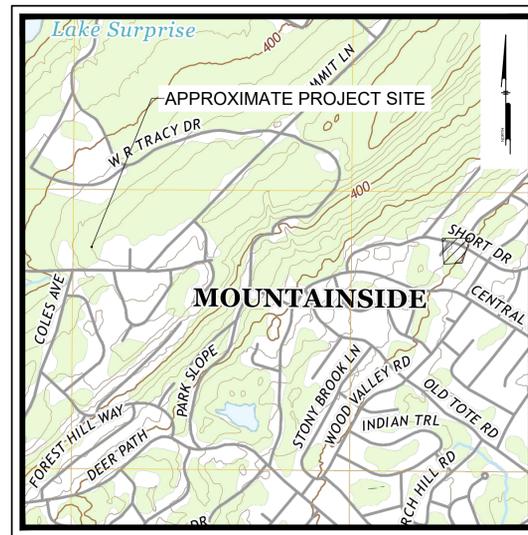
**BLOCK 2 LOT 4  
UNION COUNTY, NEW JERSEY  
ISSUED: NOVEMBER 7, 2025**

**PREPARED FOR:  
OWNER/DEVELOPER  
RSC ARCHITECTS  
3 UNIVERSITY PLAZA DRIVE, SUITE 600  
HACKENSACK, NEW JERSEY 07601**



**UNION COUNTY IMPROVEMENT AUTHORITY  
COMMISSIONERS**  
CHRISTOPHER KOLIBAS - CHAIRPERSON  
SCOTT M. HUFF - VICE CHAIRPERSON  
ANDREA MOJICA - SECRETARY  
STEVE GARY HOCKADAY - TREASURER  
DAVID BARNETT - COMMISSIONER  
JONATHAN BOGUCHWAL - COMMISSIONER  
JENNY DAVIS TOTH - COMMISSIONER  
AHMED SHEHATA - COMMISSIONER  
TERRI HUDAK - COMMISSIONER

SHEET LIST TABLE				
PAGE	SHEET	SHEET TITLE	DATE	REV.
1	CS0001	COVER SHEET	2025-11-07	
2	CS0002	GENERAL NOTES AND LEGEND	2025-11-07	
3	CS0201	EXISTING CONDITIONS PLAN	2025-11-07	
4	CS0501	DEMOLITION AND CLEARING PLAN	2025-11-07	
5	CS1001	SITE PLAN AND SANITARY PROFILE I	2025-11-07	
6	CS1002	SITE PLAN AND SANITARY PROFILE II	2025-11-07	
7	CS6001	CONSTRUCTION DETAILS I	2025-11-07	
8	CS6002	CONSTRUCTION DETAILS II	2025-11-07	
9	CS8001	SOIL EROSION AND SEDIMENT CONTROL PLAN	2025-11-07	
10	CS8501	SOIL EROSION AND SEDIMENT CONTROL DETAILS	2025-11-07	



**USGS MAP**  
Scale: 1" = 1000'

UTILITIES AND EMERGENCY CONTACT INFORMATION	
MOUNTAINSIDE DEPARTMENT OF PUBLIC WORKS: MATHEW DEANNA, CPWM,CRP DIRECTOR 1385 US HIGHWAY 22 EAST MOUNTAINSIDE, NJ, 07092 TEL: (908) 232-2409	MOUNTAINSIDE FIRE DIVISION PETER ESEMLARE CHIEF 210 NEW PROVIDENCE ROAD MOUNTAINSIDE, NJ, 07092 TEL: (908) 233-1047
PUBLIC SERVICE ELETRIC & GAS CO. MANAGER - CORPORATE PROPERTIES 80 PARK PLAZA, T6B NEWARK, NJ 07102 TEL: (973) 430-7000	MOUNTAINSIDE POLICE DEPARTMENT JOSEPH GIANNUZZI CHIEF OF POLICE 1385 US HIGHWAY 22 EAST MOUNTAINSIDE, NJ, 07092 TEL: (908) 232-8100
ELIZABETHTOWN GAS CO. 12 WEST JERSEY STREET ELIZABETH, NEW JERSEY 07202 TEL: (800) 242-5830	UNION COUNTY PARKS AND RECREATION 10 ELIZABETHTOWN PLAZA ELIZABETH, NEW JERSEY 07202 TEL: (908) 527-4900
UNION COUNTY IMPROVEMENT AUTHORITY 10 ELIZABETHTOWN PLAZA, 5TH FLOOR ELIZABETH, NEW JERSEY 07202 TEL: (908) 527-4025	

**NEW JERSEY**



**CALL BEFORE YOU DIG  
1-800-272-1000**

CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH THE REQUIREMENTS OF THE NEW JERSEY ONE-CALL DAMAGE PREVENTION SYSTEM AS STATED IN THE "UNDERGROUND FACILITY PROTECTION ACT". TICKET NUMBER(S):



1085 Raymond Boulevard  
Suite 2102  
Newark, NJ 07102  
T 973.265.9775  
F 973.265.9774  
NJ CERTIFICATE OF AUTHORIZATION NO. GA28033300

PREPARED BY:  
**PENNONI ASSOCIATES INC.**

**Pennoni**  
NJ COA GA28033300  
**PENNONI ASSOCIATES INC.**  
1085 Raymond Boulevard, Suite 2102  
Newark, NJ 07102  
T 973.265.9775 F 973.265.9774

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK  
**STEPHEN C. HOYT, PE**  
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE NO. 240604015  
DATE: 11/07/2025

**OLD TRAILSIDE MUSEUM SANITARY LIFT STATION**  
452 NEW PROVIDENCE ROAD  
MOUNTAINSIDE, NEW JERSEY 07092  
**COVER SHEET**  
RSC ARCHITECTS  
3 UNIVERSITY PLAZA DRIVE, SUITE 600  
HACKENSACK, NEW JERSEY 07601

DATE	NO.	REVISIONS	BY
2025-11-07	4	ISSUE FOR BID	PM
2025-10-17	3	90% SUBMISSION	PM
2025-10-07	2	60% SUBMISSION	PM
2025-09-18	1	30% SUBMISSION	PM

ALL DOCUMENTS PREPARED BY PENNONI ASSOCIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON THE EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY PENNONI ASSOCIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO PENNONI ASSOCIATE. OWNER SHALL INDENTIFY AND HOLD HARMLESS PENNONI ASSOCIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

PROJECT	RSCAR25004
DATE	2025-11-07
DRAWING SCALE	AS NOTED
DRAWN BY	PM
APPROVED BY	SH

**CS0001**

SHEET 1 OF 10

**ISSUED FOR BID**

PLOTTED: 11/07/2025 10:13 AM BY: PAPA R. NEWMAN PLOTTED BY: PENNONI ASSOCIATES INC.

GENERAL NOTES:

- 1. EXISTING TOPOGRAPHIC AND SITE FEATURES SHOWN HEREIN OBTAINED FROM A PLAN ENTITLED EXISTING CONDITIONS SURVEY, BY KENNETH R. RAKE, PENNONI ASSOCIATES, DATED 09/05/2025
2. THE CONTRACTOR SHALL REFER TO PLANS THROUGHOUT THE DRAWINGS SET AND SPECIFICATIONS, IF ANY, FOR ACTUAL LOCATIONS OF ALL SITE FEATURES, AND SHALL COORDINATE THE INSTALLATION OF THESE ELEMENTS WITH THE SITE LAYOUT PRIOR TO INSTALLATION.
3. THESE PLANS REPRESENT OVERALL SITEWORK IMPROVEMENTS REQUIRED FOR PROJECT CONSTRUCTION. THE WORK TO BE PERFORMED IS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH THE PROJECT CONTRACT SPECIFICATIONS, IF ANY. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION, AS SUCH, THESE PLANS DO NOT COMPLY WITH ALL SPECIFIC SITE DETAILS OF INSTALLATION REQUIRED FOR SITEWORK CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL IMPROVEMENTS REQUIRED TO ACHIEVE CONSTRUCTION DEPICTED ON THESE PLANS.
4. THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS AND RESOLVE ANY POSSIBLE CONFLICTS WITH THE OWNER AND OWNER'S ENGINEER PRIOR TO COMMENCEMENT OF WORK. THIS INCLUDES A TOPOGRAPHIC SURVEY OF ALL AREAS THE CONTRACTOR REQUIRES ADDITIONAL TOPOGRAPHIC INFORMATION. ANY CONDITIONS THAT DIFFER FROM THE SURVEY SHOWN ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND OWNERS ENGINEER PRIOR TO THE START OF WORK.
5. INFORMATION RELATED TO ELEVATIONS AND NEW UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION ON THE DRAWINGS. CONTRACTOR SHALL REVIEW ALL PLANS, PROFILES AND ANY INFORMATION DATA TABLES FOR CONSISTENCY PRIOR TO CONSTRUCTION. ANY INCONSISTENCIES OR DISCREPANCIES THAT ARE FOUND SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S ENGINEER PRIOR TO THE START OF WORK.
6. THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED ON SHEETS THROUGHOUT THE PLAN SET AND REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL APPLICABLE REQUIREMENTS.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE RESTORATION OF ANY STREET SIGNAGE, UTILITY, CURB, LANDSCAPING, OR SIGNAGE DISTURBED OR REMOVED DURING THE CONSTRUCTION TO THE ORIGINAL CONDITION AND SATISFACTION OF THE OWNER, COORDINATE WITH THE BOROUGH OF MOUNTAINSIDE AND ADJACENT PROPERTY OWNERS.
8. THE CONTRACTOR IS REQUIRED TO OBTAIN THE SERVICES OF A GEOTECHNICAL ENGINEER TO INSPECT, TEST, AND CERTIFY TO THE COMPACTION OF ALL LOAD BEARING FILLS.
9. THE CONTRACTOR WILL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED, OR REGRADING AS REQUIRED BY THE ENGINEER EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.
10. THE CONTRACTOR SHALL PROVIDE ANY AND ALL EXCAVATION AND MATERIAL SAMPLES NECESSARY TO CONDUCT REQUIRED SOIL TESTS. ALL ARRANGEMENTS AND SCHEDULING FOR THE TESTING SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
11. SOILS TESTING AND ON-SITE INSPECTION SHALL BE PERFORMED BY AN INDEPENDENT GEOTECHNICAL ENGINEER. THE SOILS ENGINEER IS TO TEST REPORTS TO THE CONTRACTOR, AND THE CONSTRUCTION MANAGER, AND SHALL PROMPTLY NOTIFY THE CONSTRUCTION MANAGER AND THE CONTRACTOR SHOULD WORK PERFORMED BY THE CONTRACTOR FAIL TO MEET THESE SPECIFICATIONS.
12. CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AREA AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
13. ALL TRAFFIC CONTROL DEVICES WITHIN THE RIGHT OF WAY TO BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH "THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION. SIGN POSTS SHALL BE GALVANIZED STEEL AND ALL SIGN MATERIALS SHALL BE MADE OF REFLECTIVE SHEETING ON ALUMINUM BLANKS IN ACCORDANCE WITH NJDOT STANDARD SPECIFICATIONS.
14. UNLESS OTHERWISE INDICATED, ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2019, AS AMENDED AND SUPPLEMENTED TO DATE.
15. SHOP DRAWINGS FOR NEW CAST-IN-PLACE AND/OR PRECAST CONCRETE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION OR PROCUREMENT.
16. NO LAND DISTURBANCE, CONSTRUCTION ACTIVITY, STOCKPILING, OR STORAGE OF MATERIAL SHALL OCCUR WITHIN OPEN WATERS OR WETLANDS BUFFER BOUNDARIES WITHOUT PRIOR APPROVAL FROM THE NJ DEPARTMENT OF ENVIRONMENTAL PROTECTION.
17. THE CONTRACTOR SHALL NOTIFY THE SOMERSET UNION SOIL CONSERVATION DISTRICT A MINIMUM OF 72 HOURS BEFORE THE BEGINNING OF CONSTRUCTION.
18. ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL, AND LOCAL CODES, AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER/DEVELOPER.
19. UPON COMPLETION OF THE WORK, REMOVE ALL DEBRIS, EQUIPMENT AND UNUSED MATERIALS FROM OWNER PROPERTY AND RESTORE THE AREAS TO THEIR ORIGINAL CONDITION, AS APPROVED BY THE ENGINEER.
20. THE CONTRACTOR SHALL NOTIFY ALL AGENCIES HAVING JURISDICTION AT LEAST 48 HOURS IN ADVANCE OF ANY WORK.
21. ALL MATERIAL BROUGHT ON SITE SHALL BE CLEAN FILL, SAMPLED, AND ANALYZED IN ACCORDANCE WITH STANDARD NJDEP QUALITY ASSURANCE STANDARDS AND PRACTICES AT A MINIMUM, AS SPECIFIED IN N.J.A.C. 7:26E, TO FULLY CHARACTERIZE THE CONTAMINANTS IN THE LATEST SOIL CLEANUP CRITERIA (SCC). THE CONTRACTOR SHALL SUBMIT TO THE OWNER WRITTEN DOCUMENTATION FROM A LABORATORY CERTIFIED IN NEW JERSEY ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM (ELCP) AND IN ACCORDANCE WITH N.J.A.C. 7:18 PRIOR TO PLACEMENT OF THE MATERIAL ON SITE. THE MATERIAL MUST NOT CONTAIN CONTAMINANTS ABOVE THE MOST RESTRICTIVE DIRECT CONTACT OR IMPACT TO GROUNDWATER (IGW) SCC.
22. PER FEMA FLOOD INSURANCE RATE MAP (FIRM) NUMBER 34039C0019F, EFFECTIVE 09/20/2006, THIS SITE IS IN ZONE X, AN AREA OF MINIMAL FLOOD HAZARD.
23. AS PART OF THE BASE BID CONTRACT, THE CONTRACTOR SHALL INCLUDE GPR UTILITY LOCATION SERVICES THAT LOCATES AND IDENTIFIES ALL UTILITIES PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE A SUMMARY REPORT OF THE GPR RESULTS TO THE OWNER AND ENGINEER OF RECORD.
24. PER THE BOROUGH OF MOUNTAINSIDE ORDINANCE SECTION 19-1.1, NO PERSON SHALL REMOVE, PERMIT OR CAUSE TO BE REMOVED SOIL FROM ANY PREMISES WITHIN THE LIMITS OF THE BOROUGH UNLESS AND UNTIL A PERMIT THEREFOR HAS BEEN ISSUED BY THE BOROUGH CLERK.

DEMOLITION/CLEARING NOTES:

- 1. APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF ANY SITE WORK ACTIVITIES INCLUDING DEMOLITION/CLEARING AS SHOWN ON THIS PLAN. CONTRACTOR SHALL OBTAIN APPROVAL BY THE BOROUGH OF MOUNTAINSIDE PRIOR TO ANY TRAFFIC DISRUPTIONS.
2. ALL DEMOLITION WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA 241 AND OSHA STANDARDS.
3. CONTRACTOR SHALL REFER TO PROJECT ENVIRONMENTAL DOCUMENTS FOR ENVIRONMENTAL CONCERNS (IF ANY) RELATED TO THE SUBJECT PROPERTY. DEMOLITION/CLEARING MATERIALS SHALL BE DISPOSED IN ACCORDANCE WITH LOCAL, STATE AND OTHER JURISDICTIONAL CODE, RULES AND REGULATIONS.
4. EXISTING UTILITY SERVICES SHALL BE PROTECTED DURING DEMOLITION/CLEARING AND CONSTRUCTION UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHALL PROVIDE EXTREME CARE DURING ANY DEMOLITION AND CLEARING ALONG PROPERTY LINES. NEIGHBORING PROPERTIES SHALL BE PROTECTED AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO NEIGHBORING PROPERTIES AND THEIR STRUCTURES DURING DEMOLITION/CLEARING, AND CONSTRUCTION.
6. THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS, THE BOROUGH OF MOUNTAINSIDE, UNION COUNTY, OR STATE OF NEW JERSEY OF ANY EXCAVATION THAT AFFECTS THEIR PROPERTY OR INFRASTRUCTURE.
7. PRIOR TO REMOVAL OF EXISTING FULL-DEPTH ASPHALTIC AND/OR CONCRETE PAVEMENT, CONTRACTOR SHALL SAWCUT TO FULL DEPTH TO PROVIDE A CLEAN STRAIGHT EDGE. CONCRETE SIDEWALK AND/OR CURB SHALL BE REMOVED TO THE NEAREST CONTROL JOINT.
8. ALL HOLES AND TRENCH AREAS REMAINING AFTER DEMOLITION SHALL BE BACKFILLED TO MATCH EXISTING GRADE IN ACCORDANCE WITH THE GENERAL NOTES HEREON AND APPLICABLE SPECIFICATIONS.
9. ALL EXISTING CATCH BASINS AND MANHOLES SHALL BE FIELD LOCATED PRIOR TO WORK AND THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES PERTAINING TO LOCATIONS SHOWN ON THE CONTRACT DRAWINGS.
10. CONTRACTOR SHALL NOTIFY OWNER AND THE ENGINEER (72) HOURS PRIOR TO INITIATING ANY UTILITY ABANDONMENT.
11. ALL UNDERGROUND UTILITIES SHALL BE REMOVED, IF ANY, TO A MINIMUM OF FOUR (4) FT BELOW EXISTING GROUND SURFACE.
12. ELECTRICAL UTILITIES SHALL BE DISCONNECTED PRIOR TO BEGINNING ANY DEMOLITION WORK. DEMOLITION SHALL INCLUDE THE REMOVAL OF BURIED AND EXPOSED CONDUIT IN THE AREA DESIGNATED FOR DEMOLITION, SEALING ENDS OF ALL BURIED CONDUIT ABANDONED IN PLACE AND REMOVING ALL POWER AND CONTROL WIRING BETWEEN THE DEMOLISHED STRUCTURE AND THE TERMINAL JUNCTION BOX, CIRCUIT BREAKER, OR METER CONTROL CENTER SUPPLYING POWER TO THE STRUCTURE.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE DISCONNECTION AND/OR REMOVAL OF ANY SERVICE UTILITIES ATTACHED/CONNECTED/RECEIVING SUPPLYING, ETC. TO ANY BUILDING AND/OR STRUCTURE NOTED HEREIN TO BE DEMOLISHED. CONTRACTOR SHALL OBTAIN ANY NECESSARY PERMITS OR APPROVALS ASSOCIATED WITH SAME.
14. ALL ACTIVE CONSTRUCTION SITES AND LOCATIONS SHALL BE PROVIDED WITH NON-COMBUSTIBLE REFUSE CONTAINER(S) IN SUCH NUMBERS AS SHALL BE NECESSARY TO CONTAIN ALL COMBUSTIBLE REFUSE GENERATED BY THE CONSTRUCTION ACTIVITIES. ALL COMBUSTIBLE REFUSE, RUBBISH AND DEBRIS SHALL BE COLLECTED UP AND DEPOSITED IN THE CONTAINER(S) ON A DAILY BASIS. REFUSE CONTAINER(S) SHALL BE LOCATED A MINIMUM OF 20 FEET AWAY FROM ANY BUILDING, STRUCTURE, LOT LINE OR COMBUSTIBLE MATERIAL STORAGE LOCATION.
15. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND PROTECTING EXISTING STRUCTURES AS IDENTIFIED ON THE DEMOLITION AND CLEARING PLAN. THE CONTRACTOR MUST NOTIFY THE ENGINEER IF ANY DAMAGE OCCURS TO THESE ITEMS. THE ENGINEER/OWNER WILL DETERMINE WHETHER THE DAMAGED ITEMS CAN BE REPAIRED, OR SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.

UTILITY NOTES:

GENERAL:

- 1. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, UTILITY LOCATIONS, UTILITY LINES, AND INVERTS PRIOR TO CONSTRUCTION. CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN BY THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND TO TAKE WHATEVER STEPS NECESSARY TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS DILIGENTLY ATTEMPTED TO LOCATE AND INDICATE EXISTING FACILITIES ON THESE PLANS; HOWEVER, THIS INFORMATION IS SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UTILITIES SHOWN OR NOT SHOWN. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES FOR EXACT LOCATION OF THEIR UTILITIES PRIOR TO STARTING CONSTRUCTION. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND REPLACE ANY AND ALL DAMAGE MADE TO UTILITIES BY THE CONTRACTOR.
3. THE SITE CONTRACTOR SHALL COORDINATE SITE UTILITY INSTALLATION WITH UTILITY COMPANIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITY COMPANIES 48 HOURS PRIOR TO BEGINNING EXCAVATION.
4. THE CONTRACTOR SHALL PROVIDE PROPER NOTIFICATIONS TO THE TOWNSHIP ENGINEER AND/OR DEPARTMENT OF PUBLIC WORKS PRIOR TO CONSTRUCTION.
5. ALL ON-SITE UTILITIES SHALL BE UNDERGROUND, WHERE APPLICABLE, UNLESS OTHERWISE NOTED.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PAVEMENT REPAIRS REQUIRED FOR UTILITY WORK. REPAIRS SHALL BE MADE PER BOROUGH STANDARDS.
7. THE CONTRACTOR MUST VERIFY THE LOCATION, SIZE, AND SERVICEABILITY OF THE EXISTING WATER MAINS AND SANITARY SEWER MAINS PRIOR TO BEGINNING ANY SITE OR BUILDING CONSTRUCTION.
8. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORD OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CONTACT THE STATE ONE CALL BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE IMPROVEMENTS SHOWN ON THE PLANS.
9. ALL EXISTING LIGHT POLES, WIRING, ETC. IMPACTED BY CONSTRUCTION SHALL BE REMOVED AND RESTORED IN ACCORDANCE WITH LOCAL CODES AND REGULATIONS.
10. SHOP DRAWINGS FOR ALL SANITARY SEWER UTILITIES SHALL BE SUBMITTED TO THE BOROUGH FOR REVIEW AND APPROVAL.
11. ALL ON-SITE SANITARY SEWER FACILITIES SHALL BE PRIVATELY OWNED, OPERATED AND MAINTAINED.
12. AT ALL NEW CONNECTIONS TO EXISTING MANHOLES THE CONTRACTOR TO CORE DRILL OPENING AT EXISTING MANHOLES, PROVIDE RUBBER BOOT, CONNECT NEW PIPE TO MANHOLE, AND RECONSTRUCT MANHOLE CHANNEL AS REQUIRED. ALL WORK TO BE WATERTIGHT.

WATER & SANITARY:

- 1. THRUST BLOCKS SHALL BE PROVIDED AT ALL TEES, ELBOWS AND PLUGS. THRUST BLOCKS SHALL BE TWENTY-EIGHT (28) DAYS STRENGTH OF 4,500 PSI.
2. TREES SHALL BE PLANTED A MIN. OF 10' FROM FIRE HYDRANTS WATER LINES, SANITARY SEWERS, SANITARY MANHOLES AND SANITARY CLEANOUTS. PLANTINGS SHALL BE PLANTED A MIN. 5' FROM SANITARY SEWER LATERALS, MAIN AND MANHOLES.
3. BURIED PVC SDR-26 PIPE MUST HAVE RUBBER PUSH ON JOINT. GLUE JOINTS WILL NOT BE ACCEPTABLE FOR BURIED PIPE.
4. ALL WATER MAINS AND SANITARY SHALL BE SEPARATED BY A DISTANCE OF AT LEAST 10 FEET HORIZONTALLY. IF SUCH LATERAL SEPARATION IS NOT POSSIBLE, PIPES SHALL BE IN SEPARATE TRENCHES WITH THE SEWER AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN, OR SUCH OTHER SEPARATION APPROVED BY THE DEPARTMENT. WHERE APPROPRIATE SEPARATION FROM A WATER MAIN IS NOT POSSIBLE, THE SEWER SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE USING MECHANICAL OR SLIP-ON JOINTS FOR A DISTANCE OF AT LEAST 10 FEET ON EITHER SIDE OF THE CROSSING. IN ADDITION, ONE FULL LENGTH OF SEWER PIPE SHOULD BE LOCATED SO BOTH JOINTS WILL BE FAR FROM THE WATER LINE AS POSSIBLE. WHERE A WATER MAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER SHALL BE PROVIDED. THE DEPARTMENT MAY ALSO REQUIRE ADDITIONAL STRUCTURAL SUPPORT FOR STORM SEWERS CROSSING OVER SEWER LINES.

TRENCHING NOTES:

- 1. ALL TRENCHES OR DITCHES WHICH CROSS AN EXISTING STREET OR WHICH ARE DUG FOR SEWERS, WATER MAINS, GAS MAINS OR OTHER UTILITIES, INCLUDING THE HOUSE CONNECTIONS FOR THESE UTILITIES, SHALL BE FILLED WITH QUARRY PROCESS STONE. THE STONE SHALL BE PLACED IN LAYERS NOT EXCEEDING TWELVE (12) INCHES IN DEPTH AND SHALL BE SPRINKLED WITH WATER AND MECHANICALLY COMPACTED. ALL SOFT SPOTS AND DEPRESSIONS IN A SURFACE, WHICH HAS BEEN GRADED, WILL BE REMOVED AND FILLED WITH STONE OF A SIZE TO BE DETERMINED BY THE CITY ENGINEER. ALL TRENCHES WHICH ARE DUG IN A FUTURE STREET OR EXISTING RIGHT OF WAY (R.O.W.), ON WHICH NO SUB-BASE OR PAVEMENT HAS BEEN CONSTRUCTED, SHALL BE BACKFILLED AS INDICATED ABOVE OR MAY BE BACKFILLED WITH SUITABLE ON-SITE EXCAVATED MATERIALS OR IMPORTED FILL.
2. PRIOR TO USING ANY ON-SITE AND/OR IMPORTED SOIL MATERIALS, THE CONTRACTOR OR ANY INDIVIDUAL OR FIRM SHALL EMPLOY A RECOGNIZED SOIL LABORATORY TO SECURE SOIL SAMPLES, PERFORM THE NECESSARY LABORATORY ANALYSIS AND ESTABLISH THE COMPACTION AND OTHER CRITERIA NECESSARY FOR THE PROPER PLACEMENT OF THE BACKFILL. A REPORT OF THE LABORATORY FINDINGS, INCLUDING THE COMPACTION SPECIFICATIONS, SHALL BE SUBMITTED TO THE PROJECT LSRR, PROJECT GEOTECHNICAL ENGINEER, AND AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL PRIOR TO COMMENCING ANY BACKFILL OPERATIONS USING ON-SITE AND/OR IMPORTED SOIL MATERIALS.
3. ALL SEWER UTILITIES TO BE INSTALLED PER THE BOROUGH OF MOUNTAINSIDE REQUIREMENTS AND MUST BE INSPECTED PRIOR TO BACKFILL.
4. DURING THE BACKFILLING OPERATIONS, THE CONTRACTOR OR ANY INDIVIDUAL OR FIRM ENGAGED IN BACKFILLING OPERATIONS SHALL EMPLOY A PROFESSIONAL ENGINEER, LICENSED IN THE STATE OF NEW JERSEY, OR HIS/HER REPRESENTATIVE, WHO IS REGULARLY ENGAGED IN THE PRACTICE OF GEOTECHNICAL ENGINEERING AND WHO IS TRAINED IN SOIL MECHANICS, TO OBSERVE THE PLACEMENT OF THE BACKFILL. THE SOILS ENGINEER SHALL FILE DAILY REPORTS, WITH THE AUTHORITY HAVING JURISDICTION INDICATING THE RESULTS OF THE COMPACTION AND, UPON THE CONCLUSION OF THE PROJECT, SHALL FILE A FINAL CERTIFICATION INDICATING THAT THE BACKFILL MATERIAL HAS BEEN PLACED AND COMPACTED IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN THE APPROVED LABORATORY REPORT.
5. BACKFILL IN TRENCHES OR LAWN AREAS SHALL COMPLY WITH THE REQUIREMENTS FOR ON-SITE OR IMPORTED SOIL MATERIALS, AS INDICATED ABOVE.

PIPING NOTES:

- 1. ALL STORM SEWER, SANITARY SEWER, AND WATER MAIN PIPING SHALL MAINTAIN A MINIMUM OF TEN (10) FEET FROM BUILDING FOUNDATIONS OR OTHER STRUCTURES.
2. SITE CONTRACTOR SHALL PROVIDE ALL BENDS, FITTINGS, ADAPTERS, ETC. AS REQUIRED FOR PIPE CONNECTIONS.
3. CONTRACTOR SHALL MAINTAIN 1' OF VERTICAL CLEARANCE BETWEEN UTILITY PIPING/CONDUITS.
4. CONTRACTOR SHALL CLEAN ALL STORM SEWERS, AREA DRAINS AND STRUCTURES AT THE COMPLETION OF CONSTRUCTION, INCLUDING ALL EXISTING PIPES AND STRUCTURES WITHIN THE CONTRACT LIMITS.

GRADING AND DRAINAGE NOTES:

- 1. ALL SOIL AND MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS. DE-WATERING PRACTICES SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS FOR THE DISCHARGE OF DE-WATERED GROUNDWATER. ALL SOIL IMPORTED TO THE SITE SHALL BE CERTIFIED CLEAN FILL. CONTRACTOR SHALL MAINTAIN RECORDS OF ALL FILL MATERIALS BROUGHT TO THE SITE.
2. THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY AND/OR PERMANENT SHORING WHERE REQUIRED DURING EXCAVATION ACTIVITIES, INCLUDING BUT NOT LIMITED TO UTILITY TRENCHES, TO ENSURE THE STRUCTURAL INTEGRITY OF NEARBY STRUCTURES AND STABILITY OF THE SURROUNDING SOILS.
3. EXISTING PIPES (IF ANY) ARE TO BE MAINTAINED AND NEW PIPES (ONCE INSTALLED) SHALL BE PROTECTED WITH A MINIMUM 2' COVER DURING CONSTRUCTION.
4. CONTRACTOR SHALL ADJUST AND CUT EXISTING PAVEMENT AS NEEDED TO ASSURE SMOOTH FIT AND CONTINUOUS GRADE.
5. THE CONTRACTOR IS RESPONSIBLE TO SET ALL NEW UTILITY COVERS AND RESET ALL EXISTING UTILITY COVERS WITHIN THE PROJECT LIMITS TO FINAL GRADE IN ACCORDANCE WITH ANY APPLICABLE MUNICIPAL, COUNTY, STATE, AND/OR UTILITY AUTHORITY REGULATIONS.

ENVIRONMENTAL NOTES:

- 1. ALL MATERIALS BROUGHT ON SITE SHALL BE CLEAN FILL, SAMPLED, AND ANALYZED IN ACCORDANCE WITH STANDARD NJDEP QUALITY ASSURANCE STANDARDS AND PRACTICES AT A MINIMUM, AS SPECIFIED IN N.J.A.C. 7:26E, TO FULLY CHARACTERIZE THE CONTAMINANTS IN THE LATEST SOIL CLEANUP CRITERIA (SCC). THE CONTRACTOR SHALL SUBMIT TO THE OWNER WRITTEN DOCUMENTATION FROM A LABORATORY CERTIFIED IN NEW JERSEY ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM (ELCP) AND IN ACCORDANCE WITH N.J.A.C. 7:18 PRIOR TO PLACEMENT OF THE MATERIAL ON SITE. THE MATERIAL MUST NOT CONTAIN CONTAMINANTS ABOVE THE MOST RESTRICTIVE DIRECT CONTACT OR IMPACT TO GROUNDWATER (IGW) SCC.

ABBREVIATIONS

Table listing abbreviations for materials and construction terms. Includes: AC ASPHALT CONCRETE, AFG ABOVE FINISHED GRADE, AHJ AUTHORITY, BCW BARE COPPER WIRE, BLDG BUILDING, CL CENTER LINE, CNG COMPRESSED NATURAL GAS, COMP COMPRESSOR, CONC CONCRETE, CMU CONCRETE MASONRY UNIT, CONT CONTINUOUS, CU FT CUBIC FEET, CS CARBON STEEL, DIA OR Ø DIAMETER, DEPT DEPARTMENT, DWG DRAWING, EX EXISTING, EA EACH, ELEV OR EL ELEVATION, EQ EQUAL, ENCL ENCLOSURE, ESD EMERGENCY SHUT DOWN, EXIST EXISTING, FES FLARED END SECTION, FG FINISH GRADE, FFE FIRST FLOOR ELEVATION, FH FIRE HYDRANT, FIG FIGURE, FOC FACE OF CURB, FSSP FUEL SYSTEM SUPPORT PANEL, FX FIRE EXTINGUISHER, GALV GALVANIZED, GND GROUND, HC HANDICAP, HP HORSE POWER, HORIZ HORIZONTAL, TC TOP OF CURB, BC BOTTOM OF CURB, TW TOP OF WALL, BW BOTTOM OF WALL, UW UNDERGROUND, MAX MAXIMUM, MCC MOTOR CONTROL CENTER, MCP MOTOR CONTROL PANEL, MIN MINIMUM, MSA METER SET ASSEMBLY, MSB MASTER SWITCH BOARD, MTR MOTOR, N NEW, N/A NOT APPLICABLE, NGV NATURAL GAS VEHICLE, NTS NOT TO SCALE, NO NUMBER, OC ON CENTER, PL PLATE, POC POINT OF CONNECTION, PB PUSH BUTTON, PR PROPOSED, REF REFERENCE, REINF REINFORCEMENT, (RR) REMOVE AND REPLACE, SCH SCHEDULE, SEC SECTION, SIM SIMILAR, SPR SPRINKLERED, SQ SQUARE, SF SQUARE FEET, SS STAINLESS STEEL, STD STANDARD, THK THICK, THRU THROUGH, TOC TOP OF CURB, XFM TRANSFORMER, TYP TYPICAL, UNO UNLESS NOTED OTHERWISE, VERT VERTICAL, DO DEPRESSED CURB, HDPE HIGH DENSITY POLYETHYLENE, RD ROOF DRAIN, ID INLINE DRAIN, DMH DRAINAGE MANHOLE, SMH SANITARY MANHOLE, OCS OUTLET CONTROL STRUCTURE

LEGEND

Legend table mapping symbols to utility types. Includes: BUILDING, PROPERTY LINE, ADJACENT PROPERTY LINE, SETBACK LINE, RIGHT-OF-WAY LINE, ROADWAY CENTERLINE, FENCE, CURB, SIDEWALK, CONCRETE, FULL DEPTH ASPHALT, CROSSWALK, DETECTABLE WARNING, ENTRYWAY, DEPRESSED CURB, SPOT ELEVATION, IRRIGATION HEAD, LIGHT, BOLLARD, SIGN, SIGN POST AND BOARD, CONTOUR, SOILS LINE, WATER LINE DOMESTIC, WATER LINE FIRE, SANITARY SEWER, STORM SEWER ROOF DRAIN, STORM SEWER, OVERHEAD ELECTRIC, UNDERGROUND ELECTRIC, UNDERGROUND GAS, OVERHEAD TELEPHONE, GEOTHERMAL WELL PIPING, FIBER OPTIC LINE, CHILLED WATER LINE, HOT WATER LINE, CABLE TV JUNCTION BOX, CABLE TV MANHOLE, FIBER HANDHOLE, FIBER JUNCTION BOX, FIBER MANHOLE, GAS MANHOLE, GAS METER, GAS STUB OUT, GAS VALVE, ELECTRICAL HANDHOLE, ELECTRICAL METER, ELECTRICAL MANHOLE, ELECTRICAL PANEL BOX, ELECTRICAL PEDESTAL, ELECTRICAL STUB OUT, ELECTRICAL STUB OUT, MONITORING WELL, SANITARY SEWER CLEANOUT, FORCE MAIN MANHOLE, SANITARY MANHOLE, STEAM MANHOLE, STORM DRAIN CLEANOUT, STORM DRAIN MANHOLE, STORM DRAIN HEADWALL, STORM DRAIN ID, STORM DRAIN INLET/VAULT, STORM ROOF DRAIN, STORM STAND PIPE, STORM DRAIN WING WALL, TELEPHONE HANDHOLE, TELEPHONE JUNCTION BOX, TELEPHONE MANHOLE, TELEPHONE PANEL BOX, TELEPHONE PEDESTAL, SEPTIC TANK, UTILITY POLE, BUSH, CONIFEROUS TREE, DECIDUOUS TREE, STUMP, FIRE HYDRANT, WATER MANHOLE, WATER POST INDICATOR VALVE, SIAMESE CONNECTION, WATER STUB OUT, WATER VALVE, WATER METER

Pennonni logo and contact information for Stephen C. Hoyt, PE, Professional Engineer, New Jersey License No. 24G064015. Includes address: 1085 Raymond Boulevard, Suite 2102, Newark, NJ 07102.

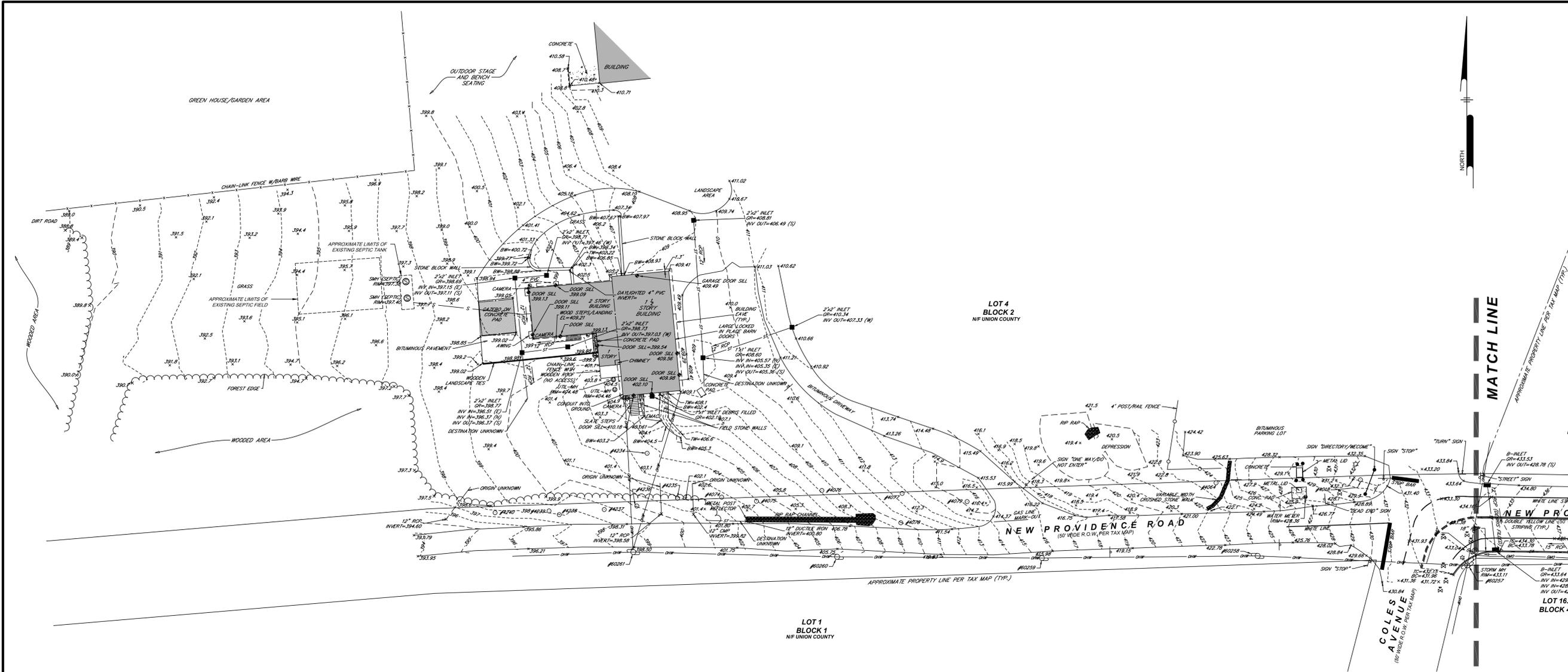
Project title: OLD TRAILSIDE MUSEUM SANITARY LIFT STATION. Location: 452 NEW PROVIDENCE ROAD, MOUNTAINSIDE, NEW JERSEY 07092. General Notes and Legend section.

Revisions table with columns for Date, Description, and By. Includes entries for Issue for Bid, 90% Submission, 60% Submission, and 30% Submission.

Project information: PROJECT RSCAR25004, DATE 2025-11-07, DRAWING SCALE N.T.S., DRAWN BY PM/DS, APPROVED BY SH.

Large text: CS0002 SHEET 2 OF 10

ISSUED FOR BID

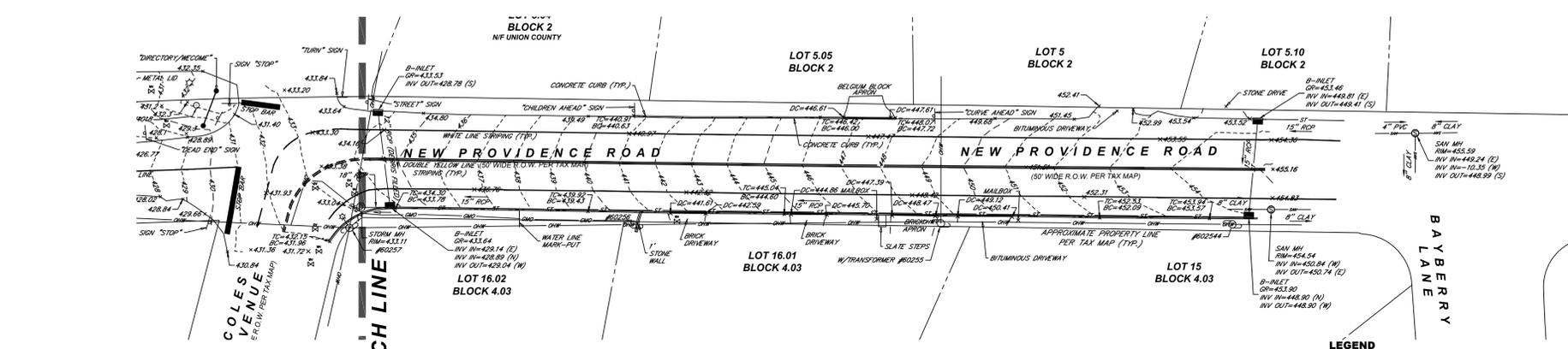


**NOTES**

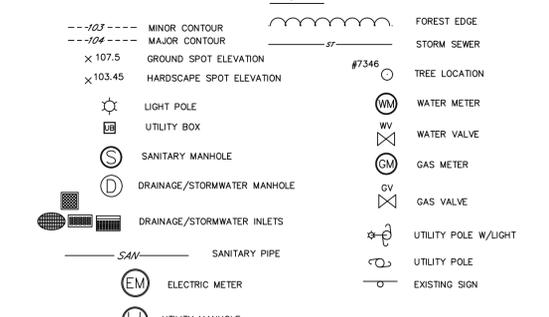
- THE PROJECT HORIZONTAL DATUM SHOWN HEREON IS THE NEW JERSEY STATE PLANE COORDINATE SYSTEM NAD 1983. (NJSPCS-NAD 83 ADJUSTMENT 2011).
- THE PROJECT VERTICAL DATUM SHOWN HEREON IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88) AS DERIVED FROM NATIONAL GEODETIC SURVEY CONTROL STATIONS USING GNSS RTN OBSERVATIONS.
- UNLESS OTHERWISE NOTED, ALL DIMENSIONS SHOWN HEREON ARE AT-GRADE DISTANCES BASED ON THE MODIFIED GROUND NJSPCS AS PER NOTE NUMBER 1 ABOVE.
- SITE FEATURES AND TOPOGRAPHIC INFORMATION SHOWN HEREON WAS THE RESULT OF A FIELD SURVEY PERFORMED BY VAN-NOTE HARVEY A DIVISION OF PENNONI ON AUGUST 21-22 AND SEPTEMBER 5, 2025.
- TREE INFORMATION SHOWN HEREON WITHIN THE SURVEY LIMIT LINE IS THE RESULT OF A FIELD SURVEY PERFORMED BY VAN-NOTE-HARVEY A DIVISION OF PENNONI ON AUGUST 21 & 22, 2025 AND SUBJECT TO REVIEW BY AN ARBORIST.
- SUBSURFACE UTILITY MARK-OUT WAS NOT PERFORMED FOR PREPARATION OF THIS PLAN.
- THE DEPICTION OF UNDERGROUND FEATURES HEREON IS APPROXIMATE UNLESS OTHERWISE NOTED. CONFIRMATION OF THE POSITION AND DEPTH OF ANY UNDERGROUND FEATURE IS REQUIRED PRIOR TO ANY EARTH DISTURBANCE.
- PROPERTY LINES SHOWN HEREON ARE FROM NEW JERSEY GEOGRAPHIC INFORMATION SYSTEM (GIS) AND ARE SHOWN FOR GRAPHICAL PURPOSES ONLY.
- THE INFORMATION SHOWN HEREON CORRECTLY REPRESENTS THE CONDITIONS FOUND AT, AND AS OF THE DATE OF THE FIELD SURVEY, EXCEPT SUCH IMPROVEMENTS OR EASEMENTS, IF ANY, BELOW THE SURFACE AND NOT VISIBLE.
- UNLESS SPECIFICALLY NOTED HEREON, STORM DRAIN AND SANITARY SEWER INFORMATION (INCLUDING PIPE INVERT, PIPE MATERIAL, AND PIPE SIZE) WAS OBSERVED AND MEASURED AT FIELD LOCATED STRUCTURES (MANHOLES, CATCH BASINS, OUTFALLS STRUCTURES, ETC.). CONDITIONS CAN VARY FROM THOSE ENCOUNTERED AT THE TIMES WHEN AND THE LOCATIONS WHERE DATA WAS OBTAINED. DESPITE MEETING THE REQUIRED STANDARD OF CARE THE SURVEYOR CANNOT AND DOES NOT WARRANT THAT THE PIPE MATERIAL AND/OR PIPE SIZE THROUGHOUT THE PIPE RUN ARE THE SAME AS THOSE OBSERVED AT EACH STRUCTURE, OR THAT THE PIPE RUN IS STRAIGHT BETWEEN THE LOCATED STRUCTURES.
- UNLESS SPECIFICALLY NOTED HEREON, THE SURVEYOR HAS NOT PERFORMED EXCAVATIONS TO PHYSICALLY LOCATE ANY UNDERGROUND UTILITIES OR STRUCTURES. THE SURVEYOR MAKES NO GUARANTEE OR WARRANTY THAT THE SHOWN UNDERGROUND UTILITIES ARE EITHER IN SERVICE, ABANDONED, OR SUITABLE FOR USE, OR ARE IN THE EXACT LOCATION OR CONFIGURATION DEPICTED HEREON. ALL UNDERGROUND UTILITIES LOCATIONS ARE APPROXIMATE.
- NO RESPONSIBILITY OR LIABILITY IS ASSUMED BY THE SURVEYOR FOR LOCATION OF UTILITIES OR EASEMENTS, IF ANY, LOCATED BELOW THE SURFACE OF THE LANDS OR NOT VISIBLE ON THE SURFACE OF THE LANDS SHOWN HEREON.
- FLOODWAY AND WETLAND INFORMATION HAS NOT BEEN DETERMINED OR SHOWN HEREON.
- PRIOR TO ANY EARTH DISTURBANCE, CONTACT 'NEW JERSEY ONE CALL' AT 811 OR 1 (800) 272 1000.
- IF THIS DOCUMENT DOES NOT CONTAIN A RAISED IMPRESSION SEAL OF THE PROFESSIONAL, IT IS NOT AN AUTHORIZED ORIGINAL DOCUMENT AND MAY HAVE BEEN ALTERED.
- THIS PLAN WAS PREPARED IN A MANNER CONSISTENT WITH THE CARE ORDINARILY EXERCISED BY OTHER PROFESSIONALS PERFORMING SIMILAR SERVICES IN THE SAME LOCALE, UNDER THE SAME OR SIMILAR CIRCUMSTANCES AND CONDITIONS. THE CONSULTANT MAKES NO OTHER REPRESENTATIONS OR WARRANTIES, WHETHER EXPRESSED OR IMPLIED, WITH RESPECT TO THE SERVICES RENDERED.

**REFERENCE PLANS**

- UNION COUNTY TOPOGRAPHIC SURVEY FOR THE SENSORY TRAIL IMPROVEMENT PROGRAM DATED AUGUST 9, 2024, SCALE: 1"=20' SITUATED IN THE TOWNSHIP OF MOUNTAINSIDE, UNION COUNTY, NEW JERSEY PREPARED FOR THE COUNTY OF UNION, PREPARED BY PENNONI ASSOCIATES, INC., PROJECT NO. CUNIX24005, SHEET 1 OF 1.
- PARTIAL TOPOGRAPHIC SURVEY FOR WATCHING RESERVATION PLANETARIUM, BLOCK 2 LOT 4, DATED AUGUST 26, 2024, SCALE 1"=30', SITUATED IN THE BOROUGH OF MOUNTAINSIDE, UNION COUNTY, NEW JERSEY, PREPARED BY COLLIER'S ENGINEERING AND DESIGN, PROJECT NUMBER 2400359A, SHEET 1 OF 1.



TREE TAG No.	DIAMETER AT BREAST HEIGHT (INCHES)	SPECIES	HEIGHT (FEET)
4018	20	BURNING BUSH	10
4054	MULTI 20	BURNING BUSH	10
4074	15	HOLLY LOCUST	60
4075	20	HOLLY LOCUST	45
4076	48	HOLLY LOCUST	65
4077	27	BEECH	55
4078	12	BEECH	25
4079	16	GINGKO	75
4234	28	LOCUST	60
4235	16	LOCUST	55
4236	15	LOCUST	55
4237	13	LOCUST	40
4238	8	ASHH	50
4239	22	LOCUST	60
4240	9	TULIP	45



**ISSUED FOR BID**

**Pennoni**  
 NJ COA GA26033300  
**PENNONI ASSOCIATES INC.**  
 1085 Raymond Boulevard, Suite 2102  
 Newark, NJ 07102  
 T 973.265.9775 F 973.265.9774

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

**STEPHEN C. HOYT, PE**  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. 24GE054015

DATE: 11/07/2025

**OLD TRAILSIDE MUSEUM SANITARY LIFT STATION**  
 452 NEW PROVIDENCE ROAD  
 MOUNTAINSIDE, NEW JERSEY 07092

**EXISTING CONDITIONS PLAN**

RSC ARCHITECTS  
 3 UNIVERSITY PLAZA DRIVE, SUITE 600  
 HACKENSACK, NEW JERSEY 07601

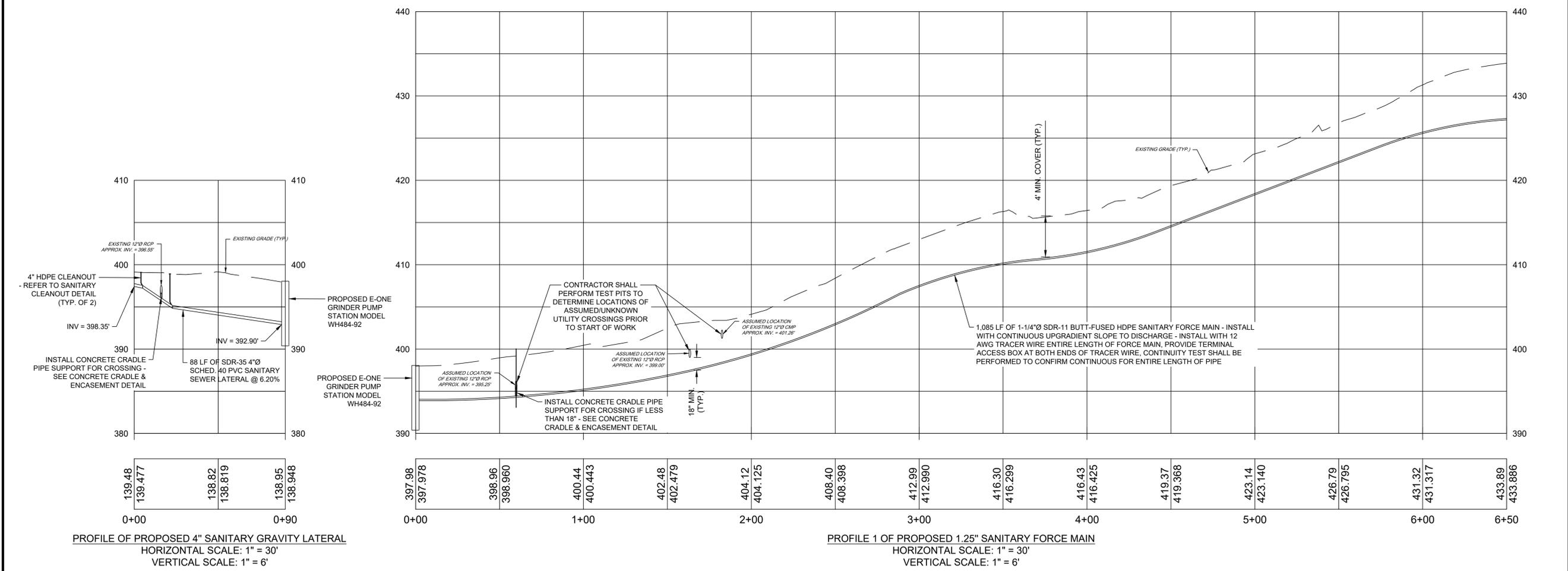
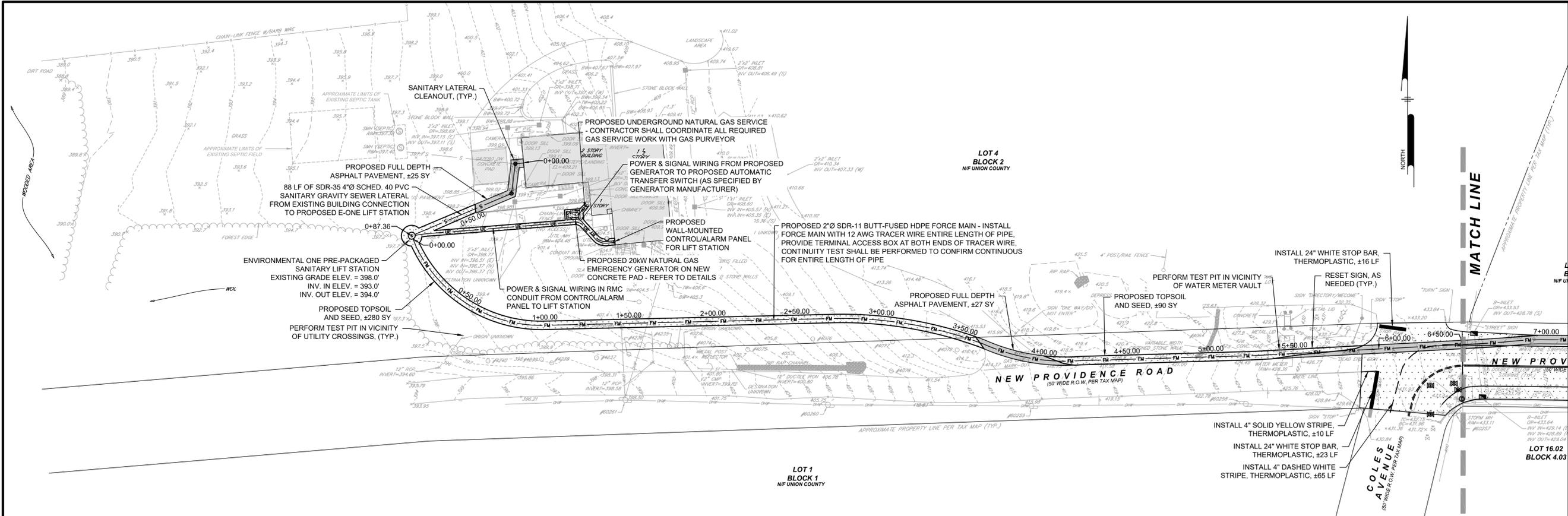
NO.	DATE	REVISIONS	BY
4	2025-11-07	ISSUE FOR BID	PM
3	2025-10-17	90% SUBMISSION	PM
2	2025-10-07	60% SUBMISSION	PM
1	2025-09-18	30% SUBMISSION	PM

ALL DOCUMENTS PREPARED BY PENNONI ASSOCIATES ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS ON THE EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY PENNONI ASSOCIATES FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO PENNONI ASSOCIATES AND OWNER SHALL INDEMNIFY AND HOLD HARMLESS PENNONI ASSOCIATES FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RELATING THEREFROM.

PROJECT: **RSCAR25004**  
 DATE: 2025-11-07  
 DRAWING SCALE: 1"=30'  
 DRAWN BY: PM  
 APPROVED BY: SH

**CS0201**  
 SHEET 3 OF 10





**PROFILE OF PROPOSED 4" SANITARY GRAVITY LATERAL**  
 HORIZONTAL SCALE: 1" = 30'  
 VERTICAL SCALE: 1" = 6'

**PROFILE 1 OF PROPOSED 1.25" SANITARY FORCE MAIN**  
 HORIZONTAL SCALE: 1" = 30'  
 VERTICAL SCALE: 1" = 6'

**Pennoni**  
 NJ COA GA26033300  
**PENNONI ASSOCIATES INC.**  
 1085 Raymond Boulevard, Suite 2102  
 Newark, NJ 07102  
 T 973.265.9775 F 973.265.9774

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

**STEPHEN C. HOYT, PE**  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. 246064015

DATE: 11/07/2025

**OLD TRAILSIDE MUSEUM SANITARY LIFT STATION**  
 452 NEW PROVIDENCE ROAD  
 MOUNTAINSIDE, NEW JERSEY 07092

**SITE PLAN AND SANITARY PROFILE I**

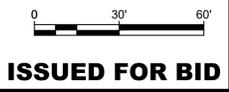
RSC ARCHITECTS  
 3 UNIVERSITY PLAZA DRIVE, SUITE 600  
 HACKENSACK, NEW JERSEY 07601

NO.	DATE	REVISIONS	BY
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3	2025-10-17	90% SUBMISSION	PM
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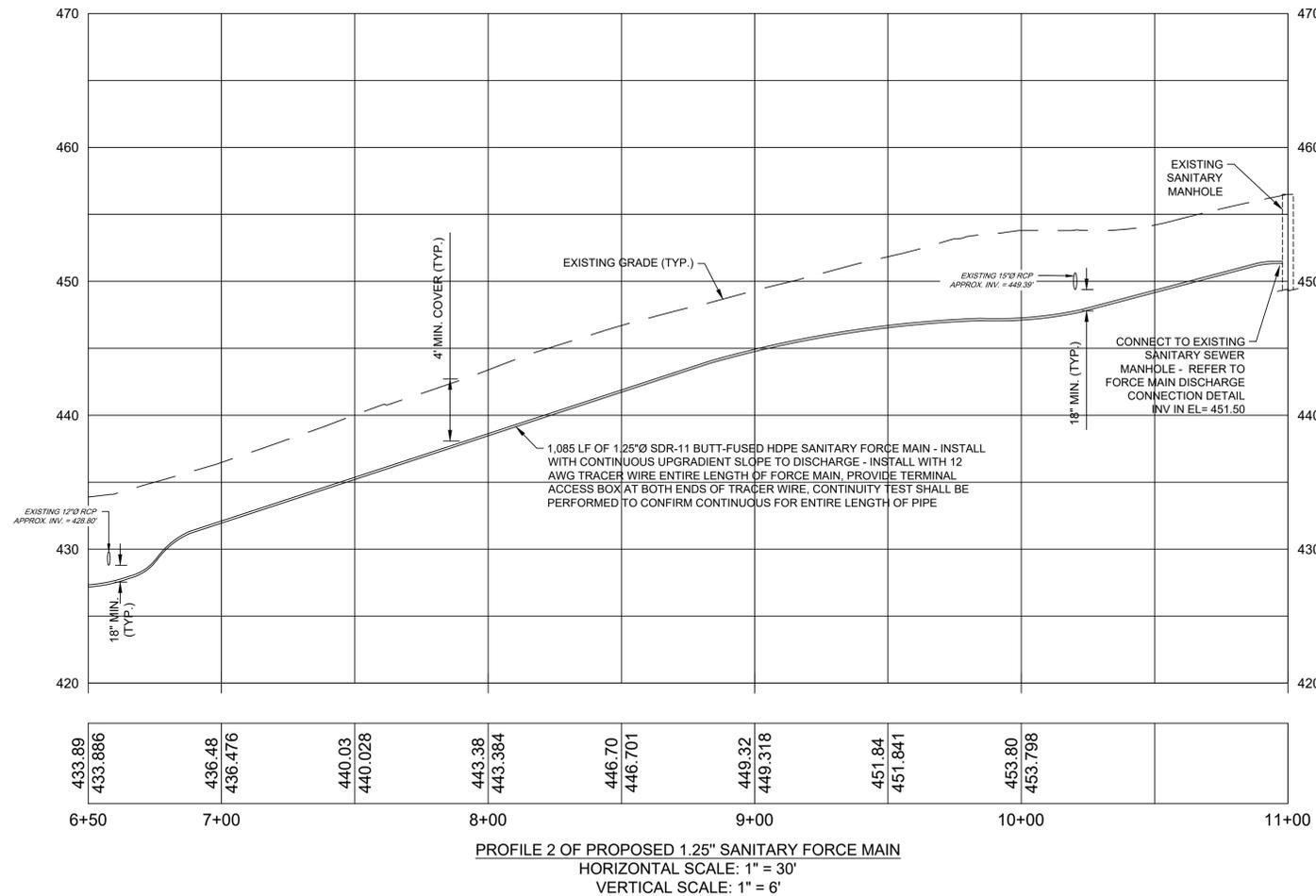
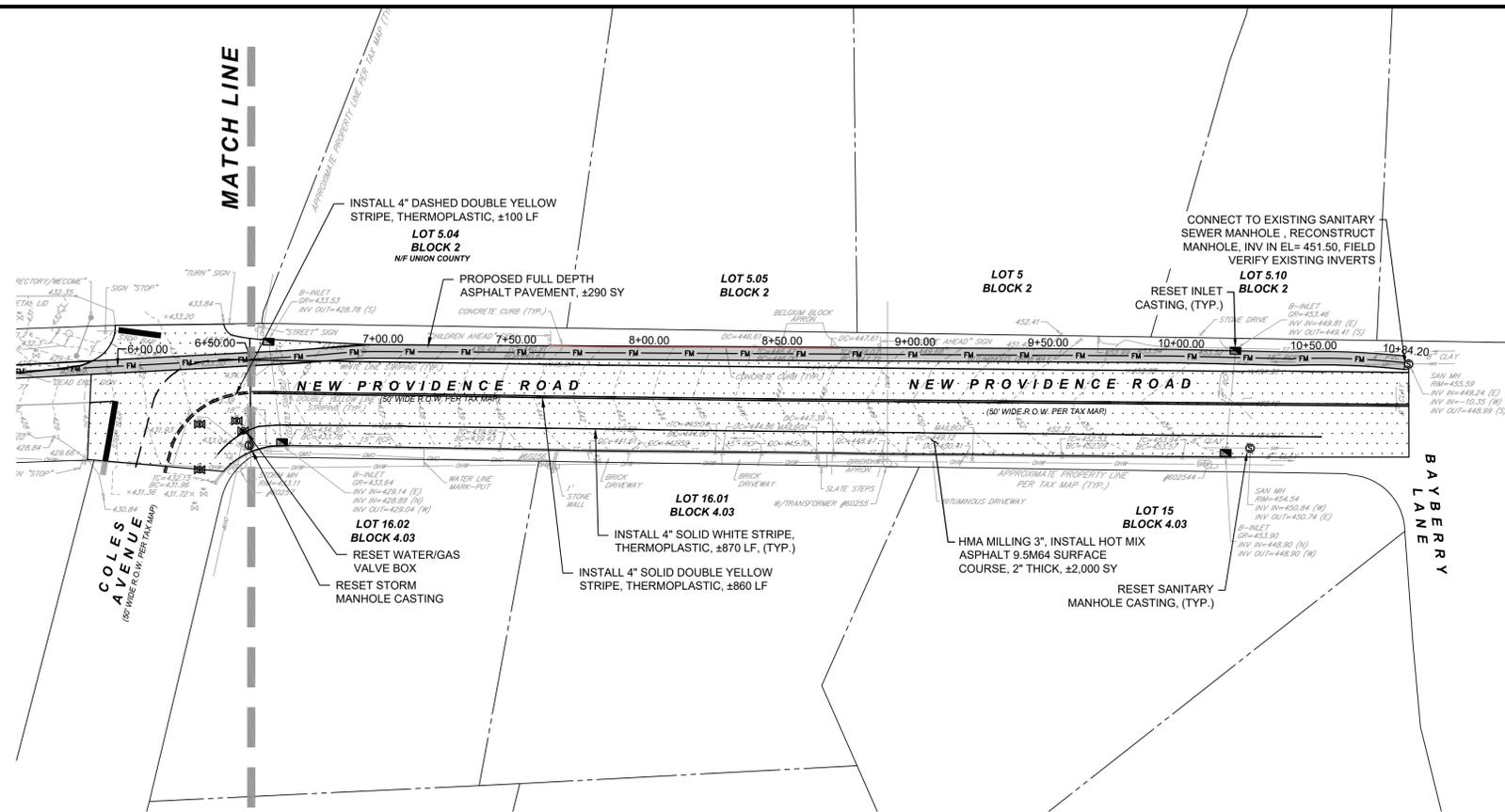
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 DATE: 2025-11-07  
 DRAWING SCALE: AS NOTED  
 DRAWN BY: PM  
 APPROVED BY: SH

**CS1001**  
 SHEET 5 OF 10



**ISSUED FOR BID**

PLOTTED: 11/07/2025 10:23 AM BY: P. Hoyle, New York PLOTTED: Pennoni Associates



**Pennoni**  
 NJ COA GA26033300  
**PENNONI ASSOCIATES INC.**  
 1085 Raymond Boulevard, Suite 2102  
 Newark, NJ 07102  
 T 973.265.9775 F 973.265.9774

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

**STEPHEN C. HOYT, PE**  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. 240604015

DATE: 11/07/2025

**OLD TRAILSIDE MUSEUM SANITARY LIFT STATION**  
 452 NEW PROVIDENCE ROAD  
 MOUNTAINSIDE, NEW JERSEY 07092

**SITE PLAN AND SANITARY PROFILE II**

RSC ARCHITECTS  
 3 UNIVERSITY PLAZA DRIVE, SUITE 600  
 HACKENSACK, NEW JERSEY 07601

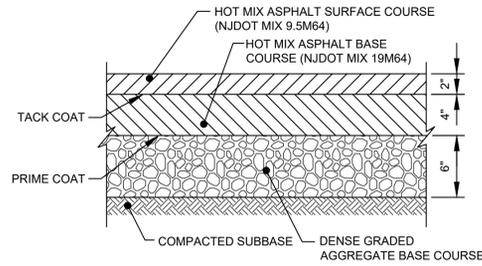
NO.	DATE	REVISIONS	BY
4	2025-11-07	ISSUE FOR BID	PM
3	2025-10-17	90% SUBMISSION	PM
2	2025-10-07	60% SUBMISSION	PM
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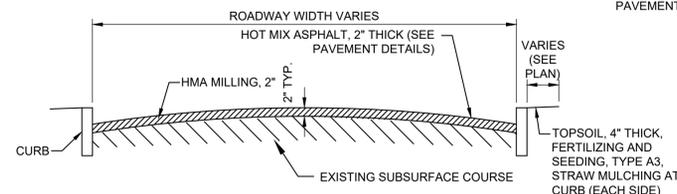
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 DATE: 2025-11-07  
 DRAWING SCALE: AS NOTED  
 DRAWN BY: PM  
 APPROVED BY: SH

**ISSUED FOR BID**

PLOTTED: 11/20/25 10:27 AM BY: PAPA, R. NICHOLAS PLOTTSTYLE: Pennoni NCS.dwg  
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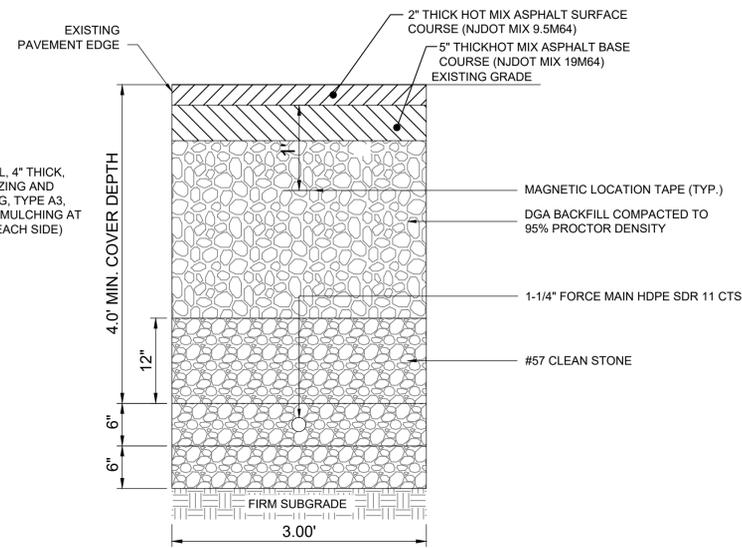


**FULL DEPTH ASPHALT PAVEMENT**  
N.T.S.

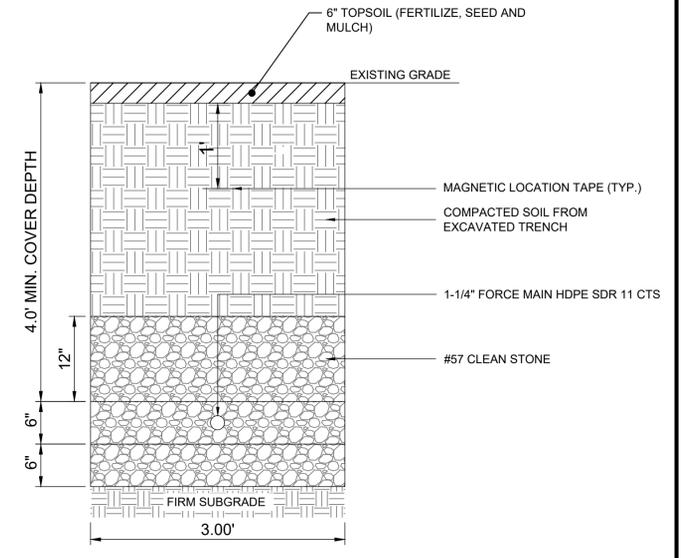


NOTE:  
1. HMA PAVEMENT REPAIR (VARIABLE THICKNESS) PRIOR OVERLAY SHALL BE PERFORMED AFTER THE MILLING PHASE IF AND WHERE DIRECTED.

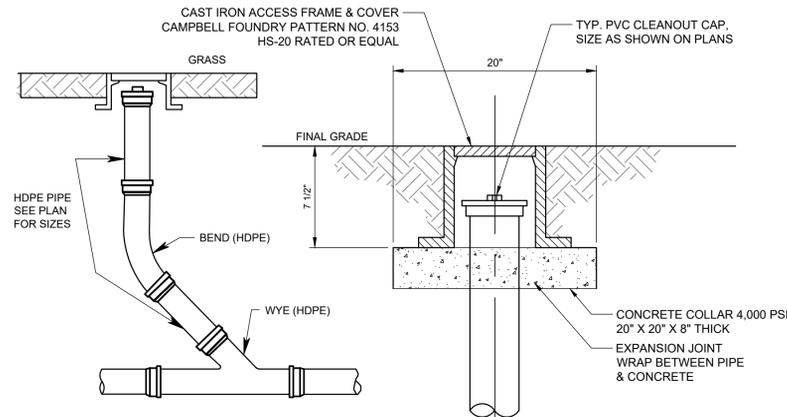
**MILL AND OVERLAY CROSS SECTION**  
N.T.S.



**ROADWAY**

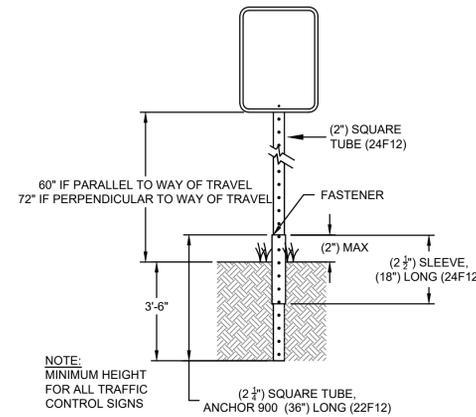


**UNPAVED AREAS**



NOTE:  
IN AREAS WHERE A REQUIRED CLEAN OUT IS WITHIN A TRAVELED PATH, WALKWAY, OR PAVEMENT, A CASTING SHALL BE INSTALLED TO PROTECT THE CLEAN OUT. THE CASTING SHALL HAVE A MINIMUM RATING OF HS-20. THE CASTING SHALL BE FLUSH WITH THE GRADE AND A CONCRETE COLLAR/FOOTING 8 INCHES THICK MIN., 4,000 PSI MIN. AND 4 INCHES WIDER THAN THE NEW CASTING BOTTOM FLANGE

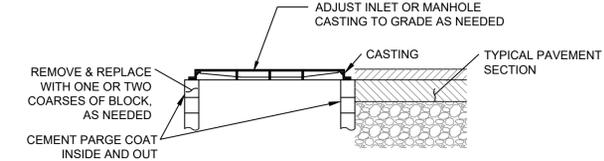
**SANITARY CLEANOUT DETAIL**  
N.T.S.



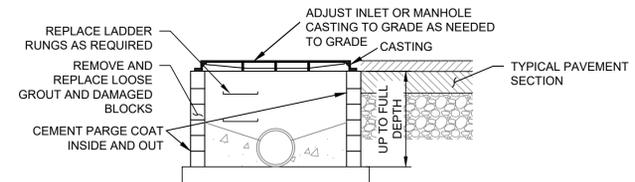
NOTE:  
MINIMUM HEIGHT FOR ALL TRAFFIC CONTROL SIGNS

**SIGN POST DETAIL**  
N.T.S.

**FORCE MAIN TRENCH DETAIL**  
N.T.S.

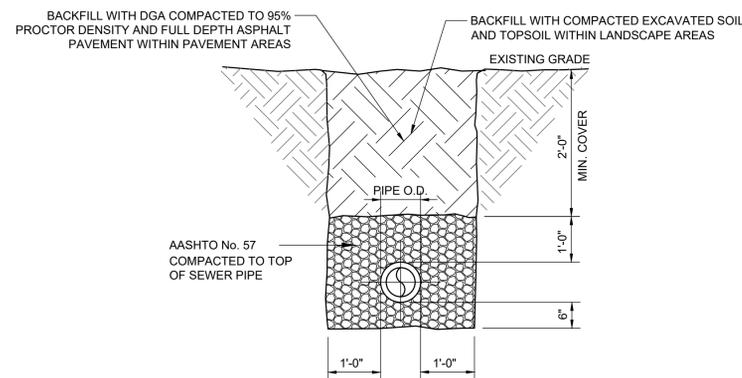


**RESET CASTING DETAIL**  
N.T.S.



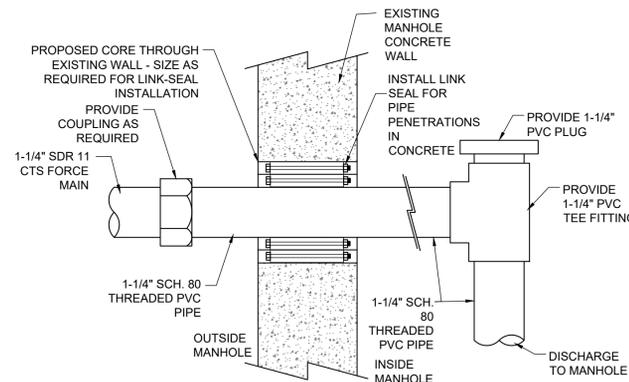
NOTE:  
1. APPLICABLE WHEN RESET/REPAIR EXCEEDS MORE THAN TWO BLOCKS OR 12\"/>

**RECONSTRUCT STRUCTURE DETAIL**  
N.T.S.



**TYPICAL P.V.C. PIPE TRENCH**

N.T.S.



NOTE:  
1. ENTIRE INSTALLATION SHALL STRICTLY CONFORM WITH MANUFACTURER'S SPECIFICATIONS AND INSTALLATION PROCEDURES.

**FORCE MAIN DISCHARGE CONNECTION DETAIL**  
N.T.S.

**Pennoni**  
NJ COA GA26033300  
**PENNONI ASSOCIATES INC.**  
1085 Raymond Boulevard, Suite 2102  
Newark, NJ 07102  
T 973.265.9775 F 973.265.9774

**STEPHEN C. HOYT, PE**  
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE NO. 240604015

DATE: 11/07/2025

**OLD TRAILSIDE MUSEUM SANITARY LIFT STATION**  
452 NEW PROVIDENCE ROAD  
MOUNTAINSIDE, NEW JERSEY 07092

**CONSTRUCTION DETAILS I**

RSC ARCHITECTS  
3 UNIVERSITY PLAZA DRIVE, SUITE 600  
HACKENSACK, NEW JERSEY 07601

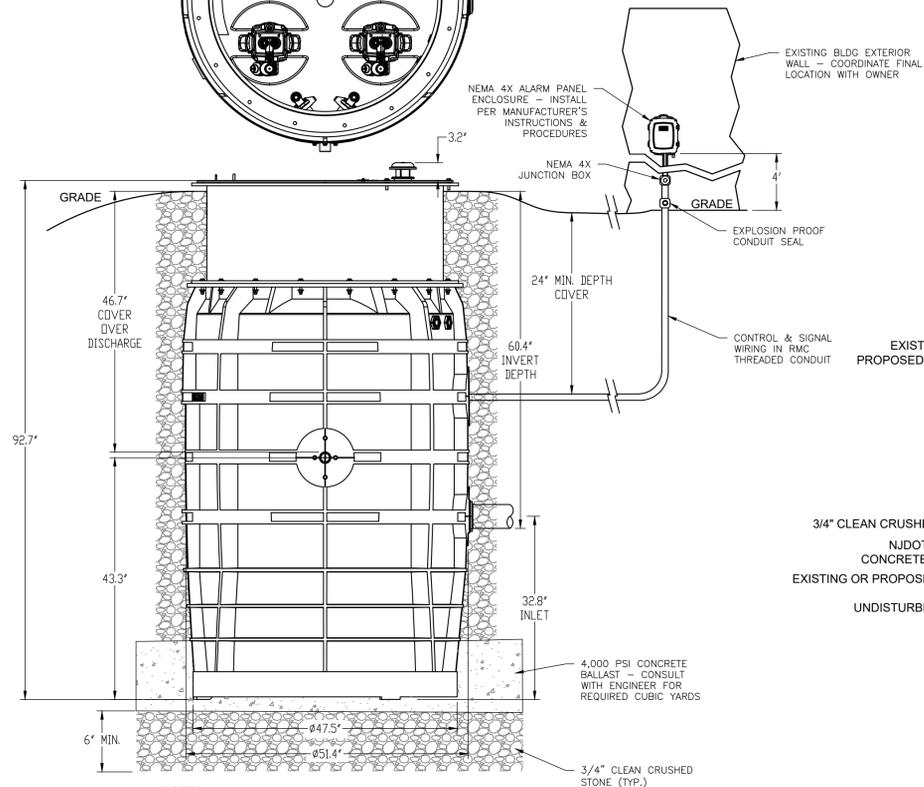
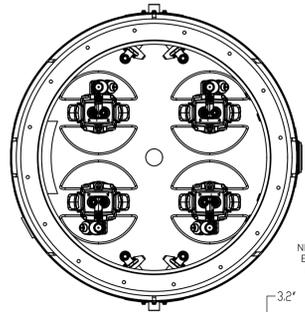
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PROJECT	RSCAR25004
DATE	2025-11-07
DRAWING SCALE	N.T.S.
DRAWN BY	PM
APPROVED BY	SH

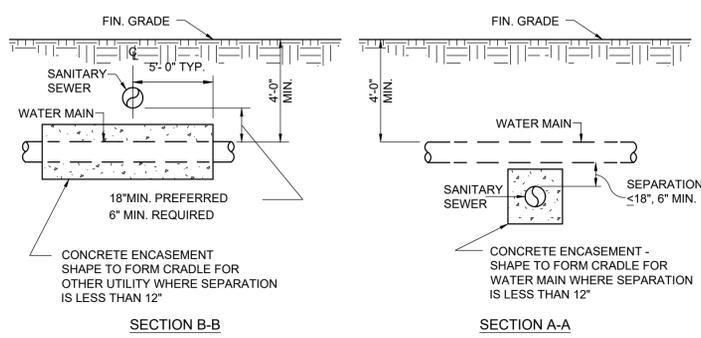
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PLOTTED: 11/07/2025 10:12 AM BY: P. R. N. PENNONI PROJECT: OLD TRAILSIDE MUSEUM SANITARY LIFT STATION

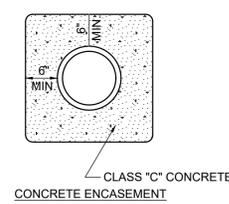
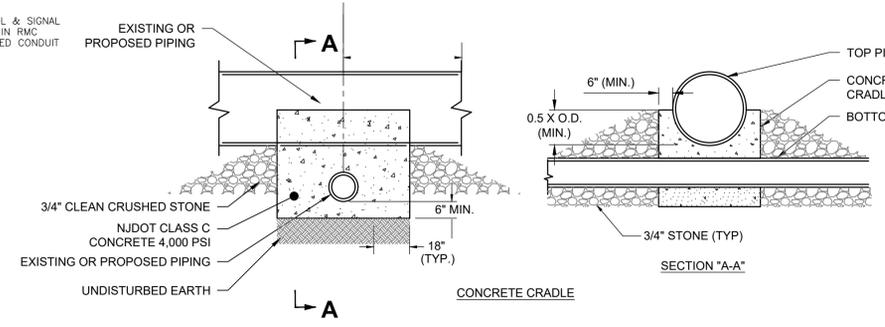


- NOTES:
1. DIMENSIONS ARE FOR REFERENCE ONLY.
  2. DISCHARGE: 1-1/4" NPT, SS (X2).
  3. INLET: EPDM GROMMET FOR 4" DWV PIPE (STANDARD).
  4. BASIS OF DESIGN: E-ONE MODEL # WH484-92.

**LIFT STATION DETAIL**  
N.T.S.

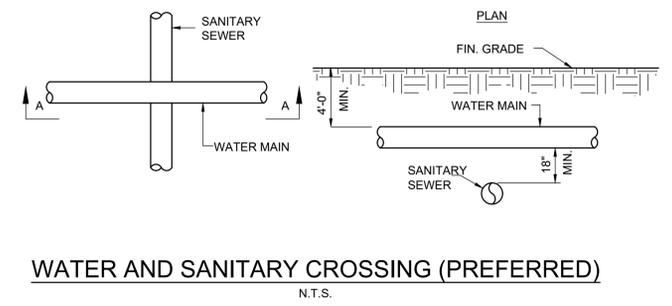


**WATER AND SANITARY CROSSING (ALTERNATES)**  
N.T.S.

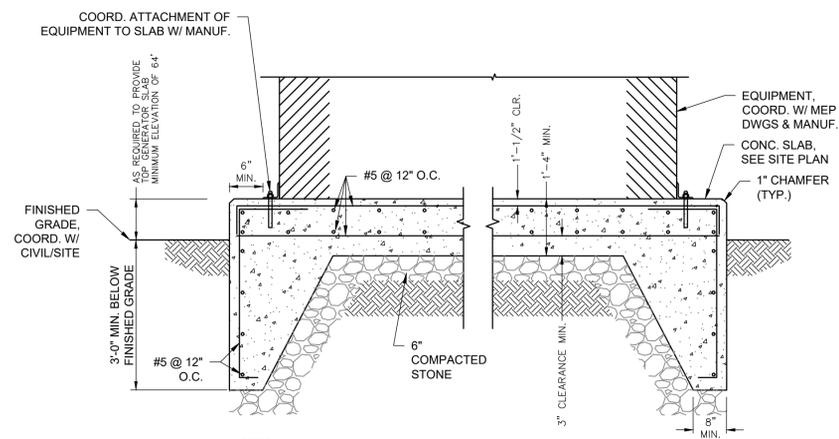


- NOTES:
1. CONCRETE CRADLE TO BE PROVIDED WHEN AND WHERE DIRECTED ON PLANS OR BY WATER & SEWER UTILITY AUTHORITY FIELD REPRESENTATIVE
  2. CRADLES OR ENCASEMENTS ARE REQUIRED WHEN LESS THAN 18" VERTICAL SEPARATION BETWEEN OUTSIDE WALLS OF CROSSING PIPES. PLACE AS DIRECTED BY THE AUTHORITY'S FIELD REPRESENTATIVE.
  3. PIPE BELL SHALL BE LOCATED OUTSIDE OF CONCRETE CRADLE. PAYMENT FOR MATERIAL AND INSTALLATION OF THIS ITEM SHALL BE INCLUDED UNDER THE "36-INCH REINFORCED CONCRETE PIPE" PAY APP ITEM.

**CONCRETE CRADLE & ENCASEMENT DETAIL**  
N.T.S.

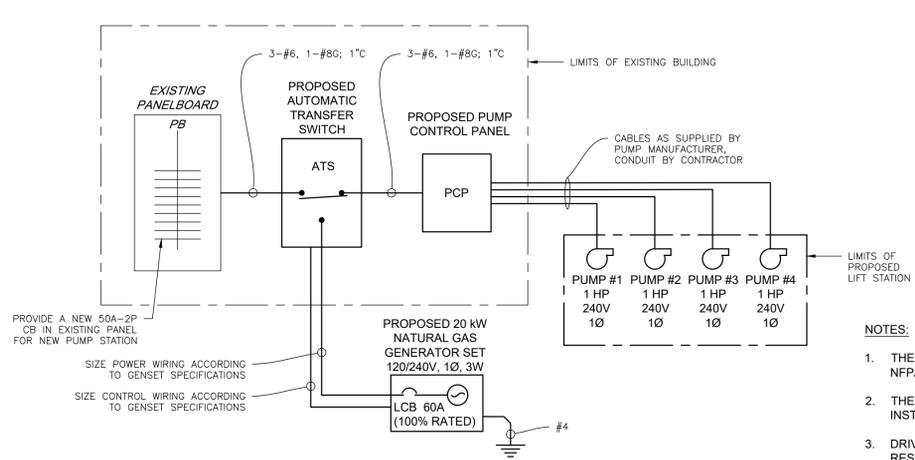


**WATER AND SANITARY CROSSING (PREFERRED)**  
N.T.S.

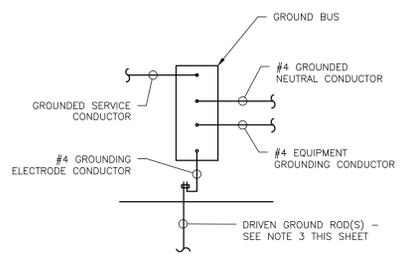


- NOTES:
1. COORDINATE PAD SIZE, HEIGHT, EMBEDDED UTILITIES, ANCHOR BOLTS & PAD LOCATIONS WITH FINAL EQUIPMENT REQUIREMENTS, MANUFACTURER'S RECOMMENDATIONS AND ELECTRICAL DRAWINGS.
  2. ALL PADS TO HAVE 1" CHAMFERED EDGES, ALL AROUND.
  3. PAD DIMENSIONS SHALL PROJECT 6" (MIN.) PAST UNIT, ALL AROUND.
  4. ALL CONCRETE TO BE BROOMED FINISHED, 4500 PSI AND 4-6% AIR ENTRAINED.

**CONCRETE EQUIPMENT MAT SLAB DETAIL**  
N.T.S.

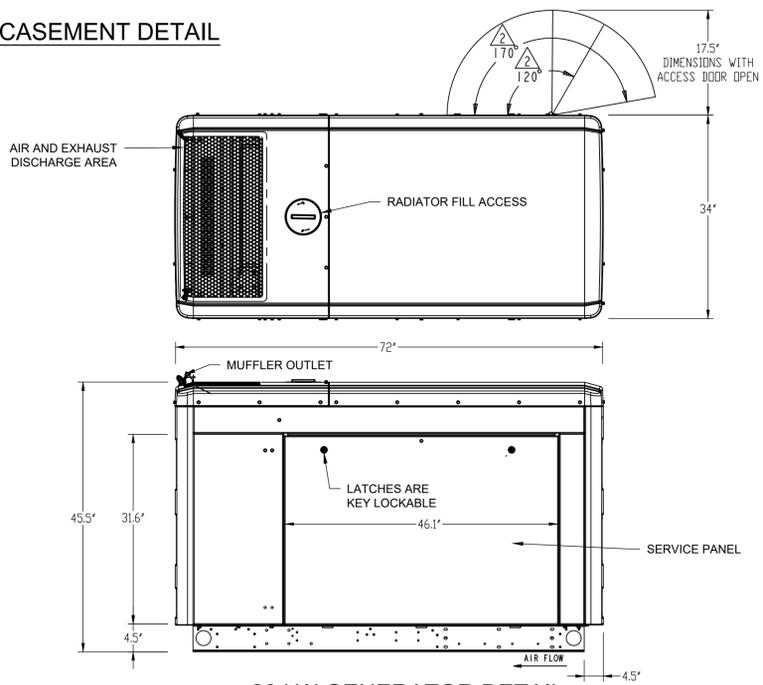


**SINGLE LINE DIAGRAM**  
N.T.S.



**GROUND BUS DETAIL**  
N.T.S.

- NOTES:
1. THE ENTIRE ELECTRICAL SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70 - NATIONAL ELECTRICAL CODE.
  2. THE STATION SHALL BE PROVIDED WITH A GROUNDING ELECTRODE SYSTEM INSTALLED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE - ARTICLE 250.32.
  3. DRIVEN GROUND RODS SHALL BE PROVIDED AS REQUIRED TO ATTAIN A RESISTANCE TO GROUND NOT EXCEEDING 25 OHMS. GROUND RODS SHALL BE NOT LESS THAN 8 FEET IN LENGTH AND SHALL EXTEND TO PERMANENTLY MOIST.
  4. CONTRACTOR SHALL VERIFY ALL CAPACITIES/SIZES AGAINST EQUIPMENT SELECTED FOR INSTALLATION.
  5. ALL EQUIPMENT PROPOSED FOR INSTALLATION SHALL BE SUBJECT TO REVIEW AND ACCEPTANCE BY THE OWNER/ENGINEER.
  6. AND MATERIALS SHALL BE PROVIDED BY THE CONTRACTOR. CONTRACTOR SHALL COORDINATE AND COMPLY WITH ELECTRIC COMPANY REQUIREMENTS.
  7. PUMP & LEVEL TRANSDUCER CABLES SHALL RUN UN-SPLICED BETWEEN EQUIPMENT & CONTROL ENCLOSURE. SUBMERSIBLE MOTOR CABLES TO BE PROVIDED AND CONNECTED TO MOTORS BY PUMP MANUFACTURER - INSTALLATION IN CONDUIT BY CONTRACTOR.



**20 kW GENERATOR DETAIL**  
N.T.S.

- NOTES:
1. INSTALL IN STRICT CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
  2. THE ENTIRE ELECTRICAL SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70 - NATIONAL ELECTRICAL CODE.

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

**STEPHEN C. HOYT, PE**  
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE NO. 24G064015

DATE: 11/07/2025

**OLD TRAILSIDE MUSEUM SANITARY LIFT STATION**  
452 NEW PROVIDENCE ROAD  
MOUNTAINSIDE, NEW JERSEY 07092

**CONSTRUCTION DETAILS II**

RSC ARCHITECTS  
3 UNIVERSITY PLAZA DRIVE, SUITE 600  
HACKENSACK, NEW JERSEY 07601

NO.	DATE	REVISIONS	BY
4	2025-11-07	ISSUE FOR BID	PM
3	2025-10-17	90% SUBMISSION	PM
2	2025-10-07	60% SUBMISSION	PM
1	2025-09-18	30% SUBMISSION	PM

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PROJECT: RSCAR25004  
DATE: 2025-11-07  
DRAWING SCALE: N.T.S.  
DRAWN BY: PM  
APPROVED BY: SH

# SOMERSET UNION SOIL EROSION AND SEDIMENT CONTROL NOTES

- ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 30 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO NJ STATE STANDARDS.
- PERMANENT VEGETATION SHALL BE SEEDING OR SODDED ON ALL EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCH WILL BE USED FOR PROTECTION UNTIL SEEDING IS ESTABLISHED.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NJ STATE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, 7TH EDITION LAST REVISED JANUARY 2014.
- A SUB-BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE SUB-BASE SHALL BE INSTALLED WITHIN 15 DAYS OF PRELIMINARY GRADING.
- IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING ALL CRITICAL AREAS SUBJECT TO EROSION (I.E., STEEP SLOPES, ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF TWO (2) TONS PER ACRE, ACCORDING TO THE NJ STATE STANDARDS.
- ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACKFILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E., SLOPES GREATER THAN 3:1)
- TRAFFIC CONTROL STANDARDS REQUIRE THE INSTALLATION OF A 50'X30'X6" PAD OF 1 1/2" OR 2" STONE, AT ALL CONSTRUCTION DRIVEWAYS, IMMEDIATELY AFTER INITIAL SITE DISTURBANCE.
- THE SOMERSET-UNION SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED IN WRITING 48 HOURS IN ADVANCE OF ANY LAND DISTURBING ACTIVITY.
- AT THE TIME WHEN THE SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS GOING TO BE ACCOMPLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER, SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE. A UNIFORM APPLICATION TO A DEPTH OF 5 INCHES (UNSETTLED) IS REQUIRED ON ALL SITES.
- IN THAT NJSA 4:24-39 ET SEQ., REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE THE PROVISIONS OF THE CERTIFIED PLAN FOR SOIL EROSION AND SEDIMENT CONTROL HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES. ALL SITE WORK FOR SITE PLANS AND ALL WORK AROUND INDIVIDUAL LOTS IN SUBDIVISIONS, WILL HAVE TO BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE MUNICIPALITY.
- CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
- ANY CHANGES TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN WILL REQUIRE THE SUBMISSION OF REVISED SOIL EROSION AND SEDIMENT CONTROL PLANS TO THE DISTRICT FOR RE-CERTIFICATION. THE REVISED PLANS MUST MEET ALL CURRENT NJ STATE SOIL EROSION & SEDIMENT CONTROL STANDARDS.
- THE SOMERSET-UNION SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED OF ANY CHANGES IN OWNERSHIP.
- MULCHING TO THE NJ STANDARDS IS REQUIRED FOR OBTAINING A CONDITIONAL REPORT OF COMPLIANCE. CONDITIONALS ARE ONLY ISSUED WHEN THE SEASON PROHIBITS SEEDING.
- CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL ADJACENT ROADS CLEAN DURING LIFE OF CONSTRUCTION PROJECT.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR REMEDIATING ANY EROSION OR SEDIMENT PROBLEMS THAT ARISE AS A RESULT OF ONGOING CONSTRUCTION AT THE REQUEST OF THE SOMERSET-UNION SOIL CONSERVATION DISTRICT.
- HYDRO SEEDING IS A TWO-STEP PROCESS. THE FIRST STEP INCLUDES SEED, FERTILIZER, LIME, ETC., ALONG WITH MINIMAL AMOUNTS OF MULCH TO PROMOTE CONSISTENCY, GOOD SEED TO SOIL CONTACT, AND GIVE A VISUAL INDICATION OF COVERAGE. UPON COMPLETION OF SEEDING OPERATION, HYDRO-MULCH SHOULD BE APPLIED AT A RATE OF 1500 LBS. PER ACRE IN SECOND STEP. THE USE OF HYDRO-MULCH, AS OPPOSED TO STRAW, IS LIMITED TO OPTIMUM SEEDING DATES AS LISTED IN THE NJ STANDARDS.

## SOIL DE-COMPACTION AND TESTING REQUIREMENTS

### SOIL COMPACTION TESTING REQUIREMENTS

- SUBGRADE SOILS PRIOR TO THE APPLICATION OF TOPSOIL (SEE PERMANENT SEEDING AND STABILIZATION NOTES FOR TOPSOIL REQUIREMENTS) SHALL BE FREE OF EXCESSIVE COMPACTION TO A DEPTH OF 6.0 INCHES TO ENHANCE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
- AREAS OF THE SITE WHICH ARE SUBJECT TO COMPACTION TESTING AND/OR MITIGATION ARE GRAPHICALLY DENOTED ON THE CERTIFIED SOIL EROSION CONTROL PLAN.
- COMPACTION TESTING LOCATIONS ARE DENOTED ON THE PLAN. A COPY OF THE PLAN OR PORTION OF THE PLAN SHALL BE USED TO MARK LOCATIONS OF TESTS, AND ATTACHED TO THE COMPACTION REMEDIATION FORM, AVAILABLE FROM THE LOCAL SOIL CONSERVATION DISTRICT. THIS FORM MUST BE FILLED OUT AND SUBMITTED PRIOR TO RECEIVING A CERTIFICATE OF COMPLIANCE FROM THE DISTRICT.
- IN THE EVENT THAT TESTING INDICATES COMPACTION IN EXCESS OF THE MAXIMUM THRESHOLDS INDICATED FOR THE SIMPLIFIED TESTING METHODS (SEE DETAILS BELOW), THE CONTRACTOR SHALL HAVE THE OPTION TO PERFORM EITHER (1) COMPACTION MITIGATION OVER THE ENTIRE MITIGATION AREA DENOTED ON THE PLAN (EXCLUDING EXEMPT AREAS), OR (2) PERFORM ADDITIONAL, MORE DETAILED TESTING TO ESTABLISH THE LIMITS OF EXCESSIVE COMPACTION WHEREUPON ONLY THE EXCESSIVELY COMPACTED AREAS WOULD REQUIRE COMPACTION MITIGATION. ADDITIONAL DETAILED TESTING SHALL BE PERFORMED BY A TRAINED, LICENSED PROFESSIONAL.

### COMPACTION TESTING METHODS

- PROBING WIRE TEST (SEE DETAIL)
- HAND-HELD PENETROMETER TEST (SEE DETAIL)
- TUBE BULK DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)
- NUCLEAR DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)

NOTE: ADDITIONAL TESTING METHODS WHICH CONFORM TO ASTM STANDARDS AND SPECIFICATIONS, AND WHICH PRODUCE A DRY WEIGHT, SOIL BULK DENSITY MEASUREMENT MAY BE ALLOWED SUBJECT TO DISTRICT APPROVAL.

FURTHER INFORMATION REGARDING SOIL TESTING METHOD OPTIONS ARE LOCATED IN THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, CHAPTER 19, OR THE WWW.NJ.GOV/AGRICULTURE/DIVISIONS/ANR/NRC/NJEROSION.HTML

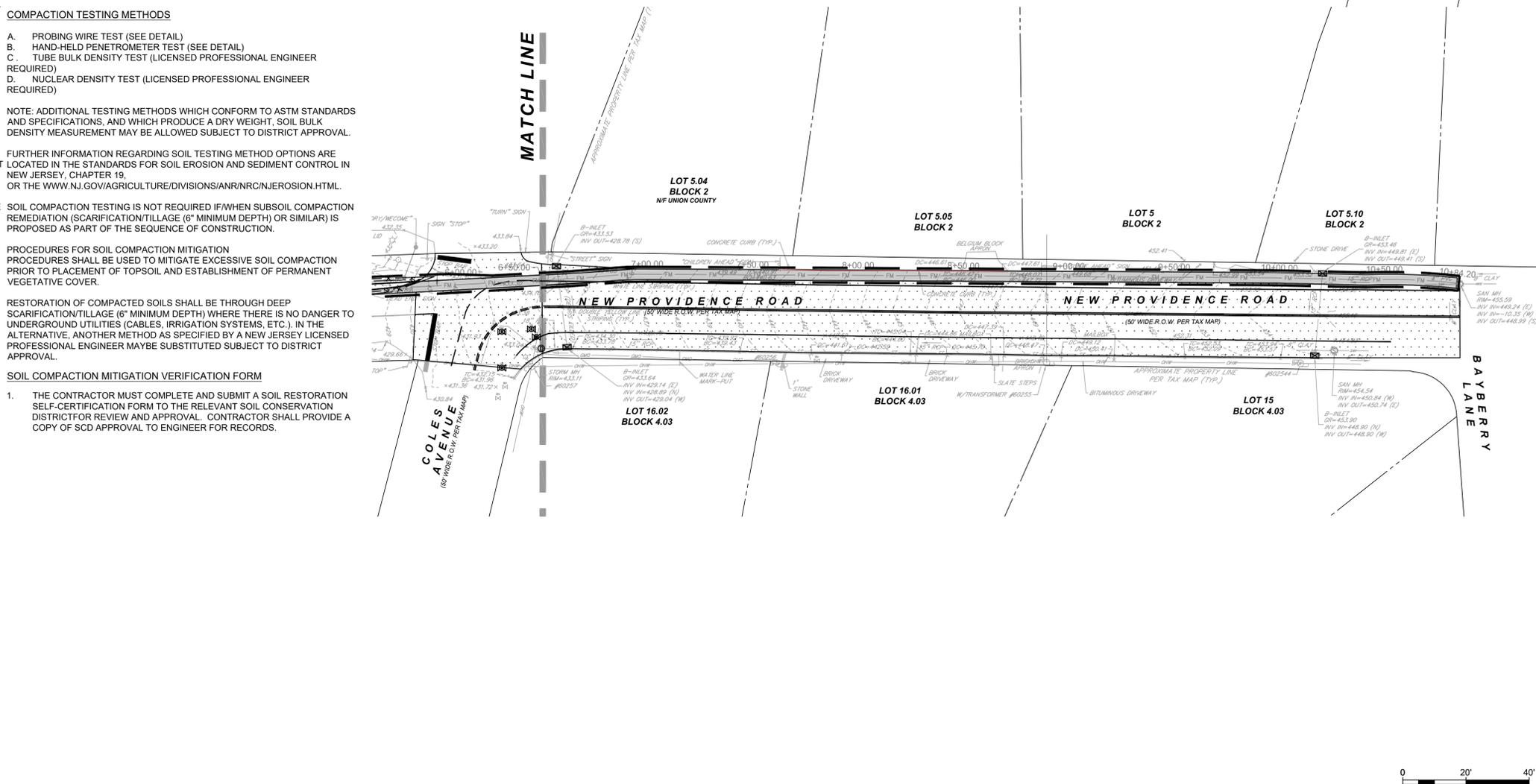
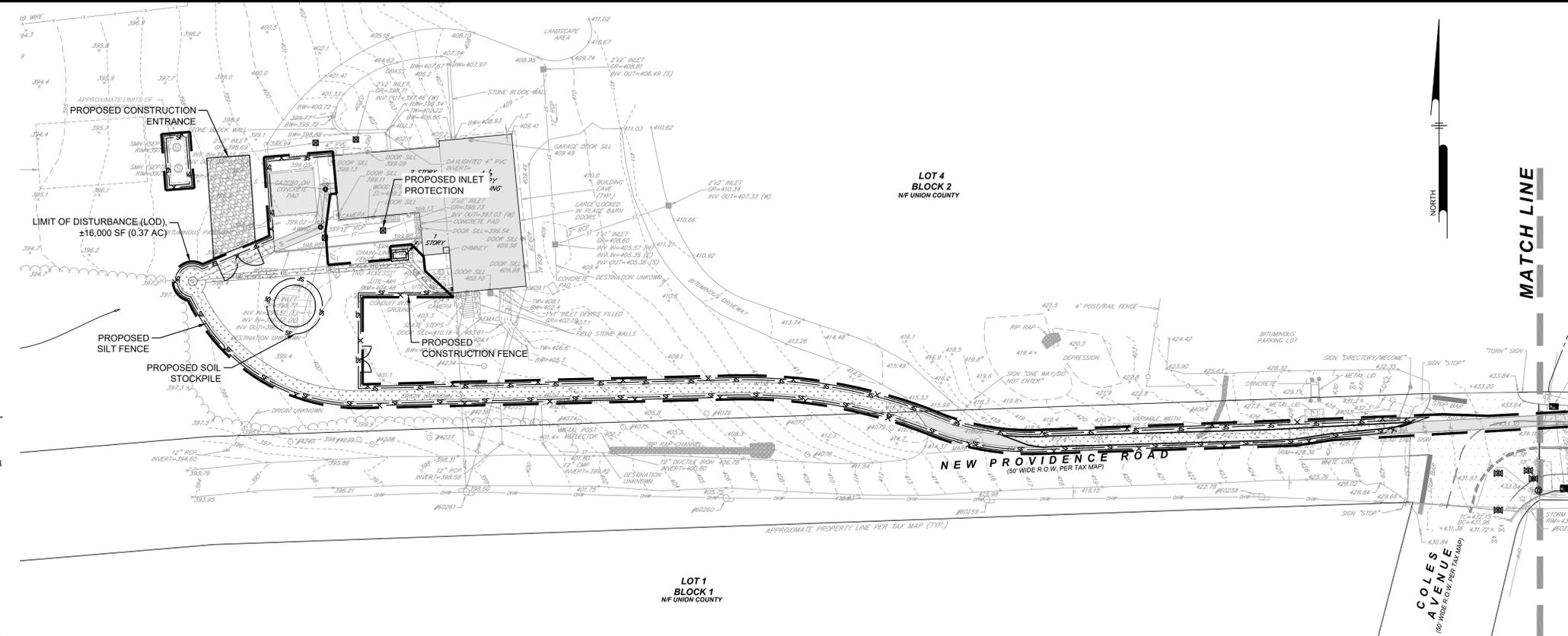
SOIL COMPACTION TESTING IS NOT REQUIRED IF WHEN SUBSOIL COMPACTION REMEDIATION (SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) OR SIMILAR) IS PROPOSED AS PART OF THE SEQUENCE OF CONSTRUCTION.

PROCEDURES FOR SOIL COMPACTION MITIGATION PROCEDURES SHALL BE USED TO MITIGATE EXCESSIVE SOIL COMPACTION PRIOR TO PLACEMENT OF TOPSOIL AND ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.

RESTORATION OF COMPACTED SOILS SHALL BE THROUGH DEEP SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.). IN THE ALTERNATIVE, ANOTHER METHOD AS SPECIFIED BY A NEW JERSEY LICENSED PROFESSIONAL ENGINEER MAYBE SUBSTITUTED SUBJECT TO DISTRICT APPROVAL.

### SOIL COMPACTION MITIGATION VERIFICATION FORM

- THE CONTRACTOR MUST COMPLETE AND SUBMIT A SOIL RESTORATION SELF-CERTIFICATION FORM TO THE RELEVANT SOIL CONSERVATION DISTRICT FOR REVIEW AND APPROVAL. CONTRACTOR SHALL PROVIDE A COPY OF SCD APPROVAL TO ENGINEER FOR RECORDS.



ISSUED FOR BID

**Pennoni**  
 NJ COA. GA.26033300  
**PENNONI ASSOCIATES INC.**  
 1085 Raymond Boulevard, Suite 2102  
 Newark, NJ 07102  
 T 973.265.9775 F 973.265.9774

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

**STEPHEN C. HOYT, PE**  
 PROFESSIONAL ENGINEER  
 NEW JERSEY LICENSE NO. 2460645015

DATE: 11/07/2025

**OLD TRAILSIDE MUSEUM SANITARY LIFT STATION**  
 452 NEW PROVIDENCE ROAD  
 MOUNTAINSIDE, NEW JERSEY 07092

**SOIL EROSION AND SEDIMENT CONTROL PLAN**

RSC ARCHITECTS  
 3 UNIVERSITY PLAZA DRIVE, SUITE 600  
 HACKENSACK, NEW JERSEY 07601

NO.	DATE	REVISIONS	BY
4	2025-11-07	ISSUE FOR BID	PM
3	2025-10-17	90% SUBMISSION	PM
2	2025-10-07	60% SUBMISSION	PM
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PROJECT: RSCAR25004  
 DATE: 2025-11-07  
 DRAWING SCALE: 1"=30'  
 DRAWN BY: PM  
 APPROVED BY: SH

**CS8001**  
 SHEET 9 OF 10

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**SOIL EROSION SEDIMENT CONTROL GENERAL NOTES**

- THE CONTRACTOR SHALL SCHEDULE AND CONDUCT HIS OPERATIONS TO MINIMIZE EROSION OF SOIL AND PREVENT MUDDYING OF STREAMS, RIVERS, IRRIGATION SYSTEMS AND PERFORMANCE OF THEIR CONTRACT WORK WHICH WILL CONTRIBUTE TO THE CONTROL OF EROSION AND SEDIMENTATION SHALL BE CARRIED OUT IN CONJUNCTION WITH EARTHWORK OPERATIONS OR AS SOON THEREAFTER AS PRACTICABLE. THE AREA OF BARE SOIL EXPOSED AT ANY ONE TIME BY CONSTRUCTION OPERATIONS SHALL BE KEPT TO A MINIMUM.
- PRIOR TO A SUSPENSION OF CONSTRUCTION OPERATIONS FOR A PERIOD OF 20 DAYS OR MORE, ANY AREA THAT HAS BEEN DISTURBED AND LEFT EXPOSED SHALL RECEIVE TEMPORARY STABILIZATION.
- WHEN BORROWED MATERIAL IS OBTAINED FROM OTHER THAN COMMERCIAL OPERATED SOURCES, EROSION OF THE BORROW SITE SHALL BE SO CONTROLLED BOTH DURING AND AFTER COMPLETION OF THE WORK THAT EROSION WILL BE MINIMIZED AND SEDIMENT WILL NOT ENTER STREAMS OR OTHER BODIES OF WATER. WASTE OR DISPOSAL AREAS AND CONSTRUCTION ROADS SHALL BE LOCATED AND CONSTRUCTED IN A MANNER THAT WILL KEEP SEDIMENT FROM ENTERING STREAMS.
- FREQUENT FORDING OF LIVE STREAMS WILL NOT BE PERMITTED; THEREFORE, TEMPORARY BRIDGES OR OTHER STRUCTURES SHALL BE USED WHEREVER AN APPROPRIATE NUMBER OF STREAM CROSSINGS ARE NECESSARY. UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEERS, MECHANIZED EQUIPMENT SHALL NOT BE OPERATED IN LIVE STREAMS.
- WHEN WORK AREAS OR GRAVEL PITS ARE LOCATED IN OR ADJACENT TO LIVE STREAMS, SUCH AREAS SHALL BE SEPARATED FROM THE MAINSTREAM BY A DIKE OR OTHER BARRIER TO KEEP SEDIMENT FROM ENTERING A FLOWING STREAM. CARE SHALL BE TAKEN DURING THE CONSTRUCTION AND REMOVAL OF SUCH BARRIERS TO MINIMIZE THE MUDDYING OF A STREAM.
- WATER FROM AGGREGATE WASHING OR OTHER OPERATIONS CONTAINING SEDIMENT SHALL BE TREATED BY FILTRATION, A SETTLING BASIN OR OTHER MEANS SUFFICIENT TO REDUCE THE SEDIMENT CONTENT TO NOT MORE THAN THAT OF THE STREAM INTO WHICH IT IS DISCHARGED.
- POLLUTANTS SUCH AS FUELS, LUBRICANTS, BITUMENS, RAW SEWAGE AND OTHER HARMFUL MATERIALS SHALL NOT BE DISCHARGED INTO OR NEAR RIVERS, STREAMS AND IMPOUNDMENTS OR INTO NATURAL OR MANMADE CHANNELS LEADING THERETO. WASH WATER OR WASTE FROM CONCRETE MIXING OPERATIONS SHALL BE ALLOWED TO ENTER LIVE STREAMS.
- ALL APPLICABLE REGULATIONS OF FISH AND WILDLIFE AGENCIES AND STATUTES RELATING TO THE PREVENTION AND ABATEMENT OF POLLUTION SHALL BE COMPILED WITHIN THE PERFORMANCE OF THE CONTRACT.

**MAINTENANCE**

- ALL WATERWAYS SHALL BE CLEARED AS SOON AS PRACTICABLE OF FALSEWORK, PILING, DEBRIS AND OTHER OBSTRUCTIONS PLACED DURING CONSTRUCTION OPERATIONS AND NOT A PART OF THE FINISHED WORK.
- SEDIMENTATION COLLECTED IN THE DETENTION BASIN SHALL BE REMOVED AFTER IT HAS BUILT UP TO THE ELEVATION OF THE BEGINNING OF THE PERFORATIONS IN THE RISER PIPE. ALL SILT COLLECTED SHALL BE PLACED BACK UP ON THE SITE.
- SEEDED AREAS THAT HAVE WASHED AWAY SHALL BE FILLED AND GRADED, AS NECESSARY, AND THEN RESEDED. ADDITIONAL HAY MULCHING SHALL BE APPLIED TO RETAIN THE SEED UNTIL IT HAS A CHANCE TO ROOT PROPERLY.
- AREAS THAT CONTAIN SOD SHALL BE CHECKED VERY CAREFULLY TO ENSURE THAT JOINTS BETWEEN THE SOD STRIPS ARE TIGHT AND SECURE. WHERE JOINT SEPARATION IS IN EVIDENCE, A CAREFUL INSPECTION OF EACH JOINT SHALL BE MADE TO DETERMINE WHETHER UNDERMINING OF THE STRIPS IS OCCURRING. IF IT IS, THE STRIPS SHALL BE ROLLED UP, THE SUBSURFACE SHALL BE FILLED AND GRADED, AS REQUIRED, AND THE SOD STRIPS SHALL BE RE-LAID WITH THE RIGHT JOINTS AND PEGGING.
- THE ABOVE PROCEDURE FOR SEEDED AND SODDED AREAS SHALL BE REPEATED AFTER EACH RUNOFF PRODUCING RAIN UNTIL NO MORE SIGNS OF EROSION ARE EVIDENT.
- A GOOD STAND OF VEGETATION SHALL BE DEFINED AS THE MANUFACTURER'S RECOMMENDED HEIGHT.
- SHOULD UNFORESEEN EROSION CONDITIONS DEVELOP DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE ACTION TO REMEDY SUCH CONDITIONS AND TO PREVENT DAMAGE TO ADJACENT PROPERTIES AS A RESULT OF INCREASED RUNOFF AND/OR SEDIMENT DISPLACEMENT. SPECIAL ATTENTION SHOULD BE GIVEN TO FROZEN SLOPES. STOCKPILES OF WOOD CHIPS, HAY BALES, CRUSHED STONE AND OTHER MULCHES SHALL BE HELD IN READINESS TO DEAL IMMEDIATELY WITH EMERGENCY PROBLEMS OF EROSION. DURING CONSTRUCTION THE CONTRACTOR WILL BE RESPONSIBLE FOR SOIL EROSION CONTROL MAINTENANCE. AFTER CONSTRUCTION THE OWNER WILL BE RESPONSIBLE FOR MAINTAINING THE FACILITIES.

**TEMPORARY EROSION AND SEDIMENT CONTROL**

TEMPORARY INLET PROTECTION SHALL BE APPLIED TO EACH INLET. THEY SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF VEGETATION HAS BEEN ESTABLISHED.

SEED SHALL BE APPLIED ACCORDING TO THE ENCLOSED CHART. THE CONTRACTOR SHALL ADHERE TO THE RECOMMENDED SEEDING DATES WHEN SELECTING TEMPORARY SEED TYPES, FERTILIZER, LIME AND MULCH IN ACCORDANCE WITH RATES AND MATERIALS INDICATED IN PERMANENT STABILIZATION SECTION.

**TEMPORARY SEEDING AND SEEDING DATES**

TEMPORARY INLET PROTECTION SHALL BE APPLIED TO EACH INLET. THEY SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF VEGETATION HAS BEEN ESTABLISHED.

SEED SHALL BE APPLIED ACCORDING TO THE ENCLOSED CHART. THE CONTRACTOR SHALL ADHERE TO THE RECOMMENDED SEEDING DATES WHEN SELECTING TEMPORARY SEED TYPES, FERTILIZER, LIME AND MULCH IN ACCORDANCE WITH RATES AND MATERIALS INDICATED IN PERMANENT STABILIZATION SECTION.

CROP	SEEDING RATE		SEEDING DATES	
	PER ACRE	PER 1000 SQ. FT.	NORTH JERSEY	SOUTH JERSEY
OATS (SPRING)	1 1/2 BU.	2 LBS.	BEFORE APR. 25	BEFORE APR. 1
RYE	2 BU.	2.4 LBS	SEPT. 1 - OCT.15	SEPT. 1 - NOV. 1
BARLEY (WINTER)	2 BU.	2.4 LBS	SEPT. 20-30	SEPT. 20 - OCT. 15
RYEGRASSES (ANNUAL)	40 LBS.	0.9 LB.	BEFORE MAY 20 AUG. 15 - OCT. 15	BEFORE MAY 15 AUG. 25 - NOV. 1
KOREAN LESPEDEZA*	25 LBS.	0.6 LB.	---	FEB. 1 - JULY 5
MILLET (FOXTAIL*)	30 LBS.	0.7 LB.	MAY 10 - JUNE 20	MAY 1 - JULY 1
SUDANGRASS*	60 LBS.	1.4 LB.	MAY 20 - JUNE 20	MAY 1 - JULY 5
WEeping LOVE-GRASS	3 LBS.	0.1 LB.	JUNE 1 - AUG. 1	MAY 1 - AUG. 15

\*MAY BE PLANTED THROUGH SUMMER IF SOIL MOISTURE IS ADEQUATE OR CAN BE IRRIGATED.

DUST CONTROL SHALL BE ACCOMPLISHED BY PERIODIC SPRINKLING OF DISTURBED AREAS AS REQUIRED.

**METHODS**

- WORK LIME AND FERTILIZER INTO SOIL WITH A SPRING TOOTH OR DISC HARROW.
- APPLY SEED AT THE GIVEN RATE AND FIRM WITH A ROLLER OR LIGHT DRAG.
- APPLY SALT HAY IN AN UNIFORM FASHION UNTIL 80% OF THE GROUND IS COVERED. A SLIGHTLY HEAVIER APPLICATION IS NECESSARY ON STEEP SLOPES.
- ANCHOR SALT HAY IN PLACE SPRAYING MULCH BINDER AT GIVEN RATES.

**PERMANENT STABILIZATION**

ALL EXPOSED EARTH SURFACES SHALL BE PERMANENTLY STABILIZED AFTER COMPLETION OF CONSTRUCTION OF ALL SITE IMPROVEMENTS

PERMANENT STABILIZATION SHALL BE ACCOMPLISHED BY THE FOLLOWING METHODS AND MATERIALS.

MATERIALS	TYPE	APPLICATION RATES
LIME	PULVERIZED	2 TONS/ACRE
FERTILIZER	P K N	600 LB./ACRE
LAWN AREA SEED MIX	TURF TYPE-TALL FESCUE (BLEND OF 3 CULTIVARS)	220 LB./ACRE
	KY BLUEGRASS (BLEND)	20 LB./ACRE
	PERENNIAL RYEGRASS (BLEND)	20 LB./ACRE
NATIVE DETENTION BASIN BOTTOM SEED MIX	ERNST CO. MIX #183 WITH GRAIN RYE OR JAPANESE MILLET COVER CROP	20 LB./ACRE AND 30 LBS./ACRE FOR COVER CROP
NATIVE WILDFLOWER AND GRASS SEED MIX	ERNST CO. MIX #153 WITH GRAIN RYE OR GRAIN RYE COVER CROP	20 LB./ACRE AND 30 LBS./ACRE FOR COVER CROP
MULCH	SALT HAY	1.5 TO 2 TONS/ACRE
MULCH BINDER USE ONLY WITH SALT HAY	SALT HAY ANCHORED WITH WOOD AND FIBER MULCH OR AN APPROVED EQUAL	90-115 LB./100 S.F. AND ANCHORED WITH MULCHED ANCHORING TOOL OR LIQUID MULCH BINDER, AND SHALL BE PROVIDED ON ALL SEEDING.

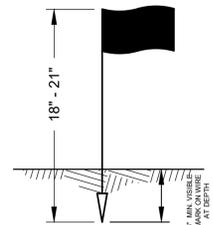
**NOTE:**

- PROJECTS LOCATED IN PLANT HARDINESS ZONES, 7A, 7B, PLANT DATES FOR PERMANENT VEGETATION SHALL BE BETWEEN 05/01 AND 08/14, PER TABLE 4-3 OF THE NJ STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL.
- AS AN ALTERNATIVE TO THE PRECEDING, AREAS TO RECEIVE PERMANENT VEGETATIVE COVER CAN BE HYDROSEEDING USING THE PREVIOUS FERTILIZATION, SEEDING AND LIMING RATES WITH THE ADDITION OF PAPER FIBER MULCH (400 LBS/ACRE) AND TERITAC MULCH BINDER (1 CASE/ACRE). THE USE OF PAPER FIBER MULCH AND BINDER IN THE SEEDING SLURRY WOULD NEGATE THE NEED FOR WOOD CHIPS, SALT HAY AND ASPHALT MULCH BINDER UNDER METHODS 3 AND 4.
- HYDROSEEDING IS A TWO STEP PROCESS. MULCH CANNOT BE MIXED IN WITH THE SEED, FERTILIZER AND LIME.
- 6" OF CLEAN TOP SOIL SHALL BE PROVIDED ON ALL AREAS OF DISTURBANCE WHERE TOP SOIL DOES NOT EXIST.

**CONSTRUCTION SEQUENCE**

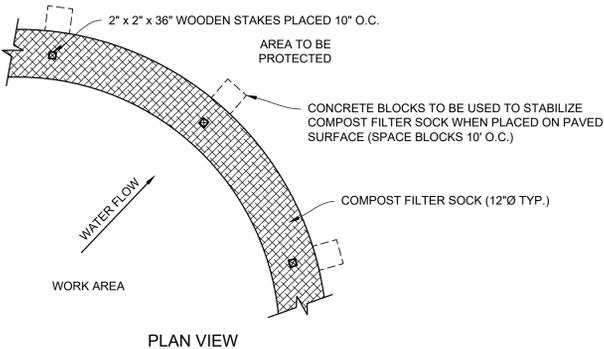
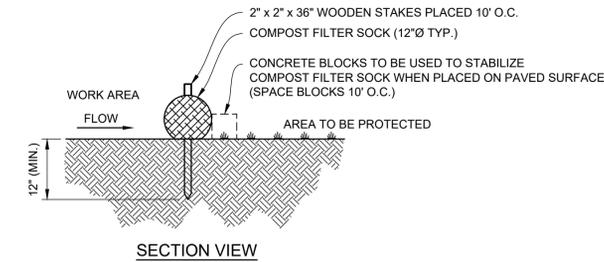
- ESTABLISH CLEAR BOUNDARY DEMARCATING WETLANDS BUFFER BOUNDARY.
- ESTABLISH SOIL EROSION AND SEDIMENT CONTROL MEASURES AND TEMPORARY CONSTRUCTION ENTRANCE PER PLAN AND NOTES.
- CLEAR SITE, INCLUDING FULL DEPTH ASPHALT PAVEMENT, UTILITY TRENCHING, AND EXCAVATION FOR EXISTING SEPTIC FIELD ABANDONMENT.
- INSTALL UNDERGROUND UTILITIES.
- COMPLETE SITE GRADING.
- CONSTRUCT SURROUNDING SITE IMPROVEMENTS.
- APPLY FINAL STABILIZATION MEASURES AND COMPACTION TESTING.
- TOPSOIL, FERTILIZE, SEED, AND MULCH AREAS OF DISTURBANCE.
- REMOVE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

**ESTIMATED PROJECT DURATION: 2-3 MONTHS**



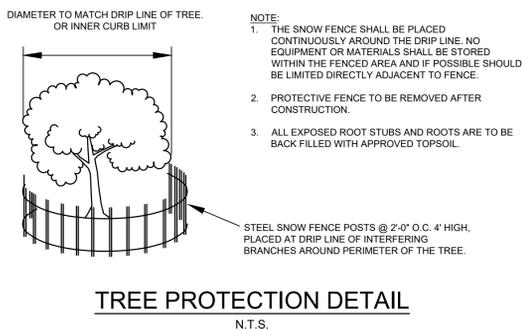
**PROBING WIRE TEST  
15.5 GA. STEEL WIRE (SURVEY FLAG)**

- N.T.S.
- RECORD DEPTH OF PENETRATION WHEN WIRE DEFORMS; MINIMUM DEPTH OF 6" TO PASS TEST. EITHER PREMEDITATE OR PERFORM THE NEXT TEST.
  - SOIL SHOULD BE MOIST BUT NOT SATURATED. DO NOT TEST WHEN SOIL IS EXCESSIVELY DRY OR SUBJECT TO FREEZING TEMPERATURES. SLOW, STEADY DOWNWARD PRESSURE USED TO ADVANCE.
  - \* WIRE MAY BE RE-INSERTED IF/WHEN AN OBSTRUCTION (ROCK, ROOT, DEBRIS) IS ENCOUNTERED.

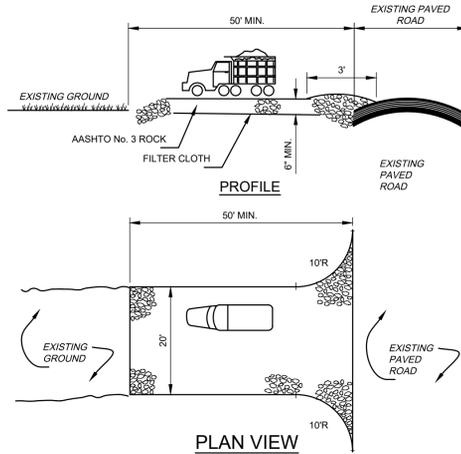


**NOTE:**  
SEDIMENT SHALL BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER. COMPOST FILTER SOCKS SHALL BE REPLACED WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF COMPOST FILTER SOCK IS REDUCED. COMPOST FILTER SOCKS SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. ALL SEDIMENT ACCUMULATION AT THE COMPOST FILTER SOCK SHALL BE REMOVED AND PROPERLY DISPOSED OF BEFORE THE COMPOST FILTER SOCK IS REMOVED.

**TEMPORARY COMPOST FILTER SOCK DETAIL**

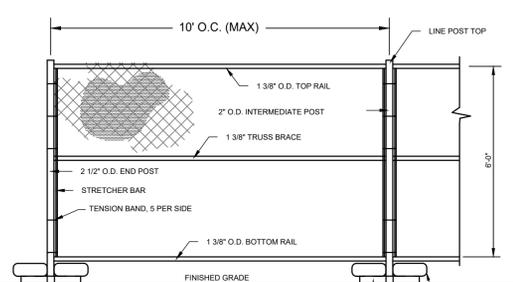


**TREE PROTECTION DETAIL**



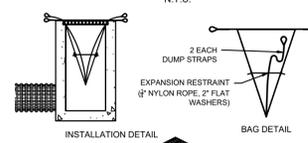
- NOTES:**
- STONE SIZE: USE ASTM C-33, SIZE 2" TO 3", CRUSHED STONE.
  - LENGTH: AS REQUIRED BUT NOT LESS THAN FIFTY (50) FEET.
  - THICKNESS: NOT LESS THAN SIX (6) INCHES.
  - WIDTH: NOT LESS THAN THE FULL WIDTH AT POINT WHERE INGRESS OR EGRESS OCCURS.
  - FILTER CLOTH: WILL BE PLACED OVER ENTIRE AREA PRIOR TO PLACING OF STONES.
  - SURFACE WATER: ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
  - MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONES AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
  - VEHICLE WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED IT SHALL BE DONE ON AN APPROVED SEDIMENT TRAPPING DEVICE. INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

**CONSTRUCTION ENTRANCE**

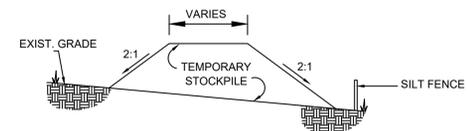


- NOTES:**
- 2X1 1 GA. WIRE FILL.
  - TENSION BANDS w/ NUTS AND BOLTS (NOT PRESS CLIPS)
  - WIRE TIES EVERY 12".
  - ALL PIPE AND WIRE TO BE HAND DIPPED GALVANIZED.

**CONSTRUCTION FENCE DETAIL**



**INLET PROTECTION DETAIL**



**NOTE:** CONTRACTOR TO COORDINATE TEMPORARY STOCKPILE AREAS WITH SOIL CONSERVATION DISTRICT REPRESENTATIVE. ALL TEMPORARY STOCKPILE AREAS MUST BE KEPT WITHIN THE LIMIT OF DISTURBANCE.

**TEMPORARY SOIL STOCKPILE**

**Pennoni**  
NJ COA. GA26033300  
**PENNONI ASSOCIATES INC.**  
1085 Raymond Boulevard, Suite 2102  
Newark, NJ 07102  
T 973.265.9775 F 973.265.9774

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

**STEPHEN C. HOYT, PE**  
PROFESSIONAL ENGINEER  
NEW JERSEY LICENSE NO. 2406045015

DATE: 11/07/2025

**OLD TRAILSIDE MUSEUM SANITARY LIFT STATION**  
452 NEW PROVIDENCE ROAD  
MOUNTAINSIDE, NEW JERSEY 07092

**SOIL EROSION AND SEDIMENT CONTROL DETAILS**

RSC ARCHITECTS  
3 UNIVERSITY PLAZA DRIVE, SUITE 600  
HACKENSACK, NEW JERSEY 07601

NO.	DATE	REVISIONS	BY
4	2025-11-07	ISSUE FOR BID	PM
3	2025-10-17	90% SUBMISSION	PM
2	2025-10-07	60% SUBMISSION	PM
1	2025-09-18	30% SUBMISSION	PM

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PROJECT: **RSCAR25004**  
DATE: 2025-11-07  
DRAWING SCALE: N.T.S.  
DRAWN BY: PM  
APPROVED BY: SH

**CS8501**  
SHEET 10 OF 10

**ISSUED FOR BID**