

LOCUS MAP
N.T.S.

SANITARY SEWER NOTES

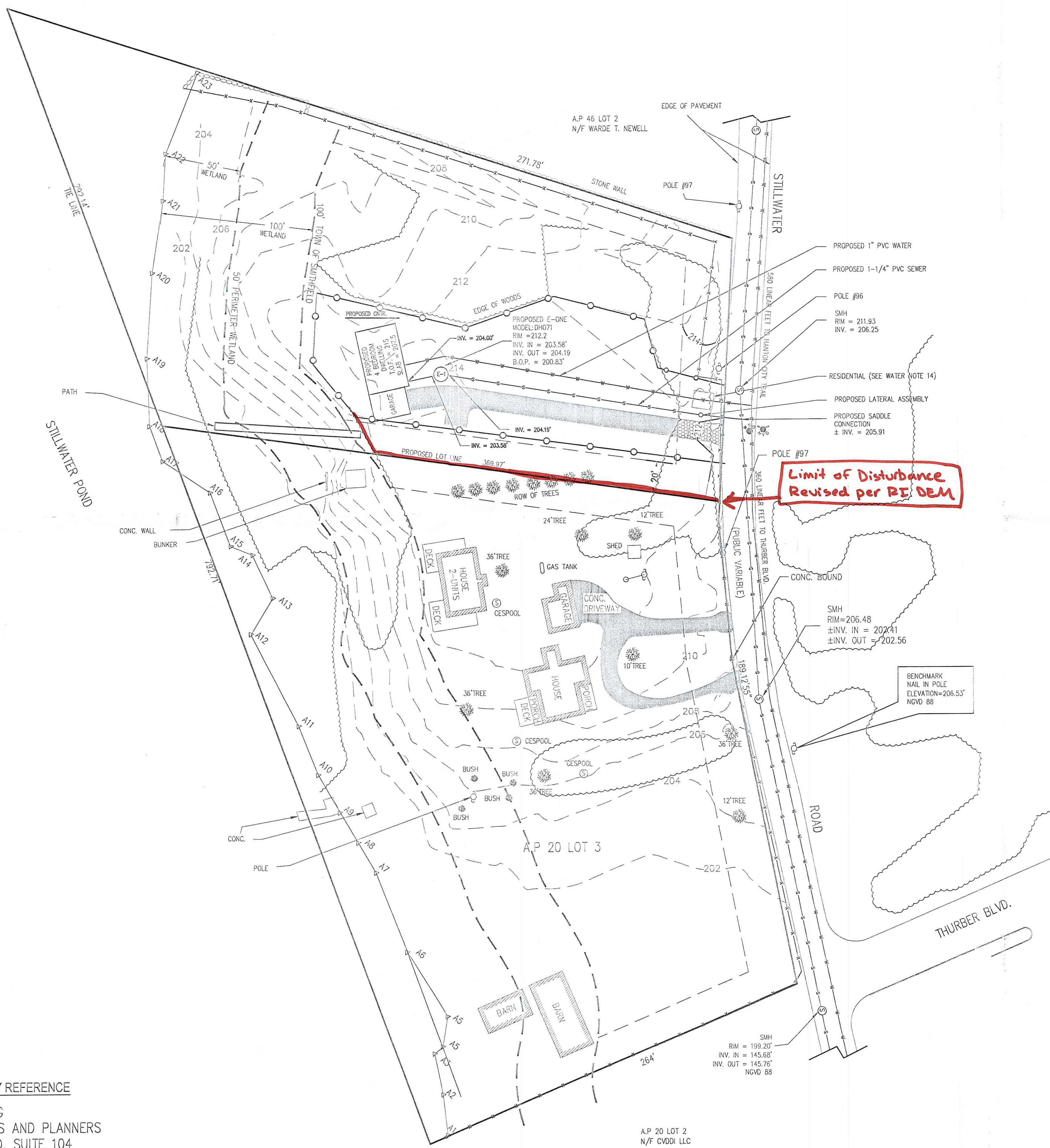
- 1) ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE RULES AND REGULATIONS GOVERNING THE PUBLIC SANITARY SEWER SYSTEM IN THE TOWN OF SMITHFIELD, RHODE ISLAND, AS AMENDED.
- 2) EXISTING SANITARY SEWER FLOWS SHALL BE MAINTAINED WITHOUT INTERRUPTION DURING CONSTRUCTION. DRAIN LAYERS SHALL ONLY INSTALL BUILDING SEWERS DURING THE NORMAL WORKING HOURS OF THE TOWN OF SMITHFIELD.
- 3) ALL SEWER LATERALS ARE TO HAVE TEN (10) FEET OF HORIZONTAL CLEARANCE FROM WATER LINES WHERE SEWER AND WATER CROSS. A MINIMUM OF EIGHTEEN (18) INCHES OF VERTICAL CLEARANCE SHALL BE MAINTAINED. IF THIS CANNOT BE MAINTAINED THEN THE WATERMAIN SHALL BE ENCASED IN CONCRETE FOR 10 FEET EACH SIDE OF CROSSING.
- 4) ALL NON-PRESSURE SANITARY SEWER PIPES SHALL BE POLY VINYL CHLORIDE (PVC) PIPE AND SHALL CONFORM TO ASTM D-3034, SDR 35.
- 5) ALL EXCAVATIONS FOR THE INSTALLATION OF A BUILDING SEWER SHALL BE OPEN TRENCH WORK. PIPE LAYING AND BACKFILL SHALL BE PERFORMED IN ACCORDANCE WITH ASTM SPECIFICATIONS (D12-72) EXCEPT THAT NO BACKFILL SHALL BE PLACED UNTIL WORK HAS BEEN INSPECTED.
- 6) ALL BUILDING SEWER LINES SHALL BE OF 6-INCH DIAMETER AND BUILT WITH A MINIMUM DEPTH OF COVER OF 42 INCHES AND WIDTH OF TRENCH SHALL BE AT LEAST 24 INCHES.
- 7) ALL SEWER PIPE SHALL BE CONSTRUCTED ON A BED OF CRUSHED STONE AT LEAST 6 INCHES IN DEPTH. STONE SHALL BE INSTALLED BEFORE THE PIPE IS PLACED IN THE TRENCH AND THE PIPE SHALL BE COVERED WITH AT LEAST 6 INCHES OF CRUSHED STONE. NO BLOCKS OR STONES SHALL BE USED TO SUPPORT THE PIPE.
- 8) BUILDING SEWER JOINTS SHALL BE TIGHT AND WATERPROOF. NO CEMENT-MORTAR JOINTS WILL BE PERMITTED.
- 9) ALL JOINTS POLYVINYL CHLORIDE (PVC) PIPE OR BETWEEN SUCH PIPE SHALL BE MADE WITH APPROVED PREMOLDED GASKET JOINTS.
- 10) ALL EXCAVATIONS FOR BUILDING SEWER INSTALLATIONS SHALL BE ADEQUATELY GUARDED WITH BARRICADES AND LIGHTS SO AS TO PROTECT THE PUBLIC FROM HAZARD. STREETS, SIDEWALKS, PARKWAYS AND OTHER PUBLIC PROPERTY DISTURBED IN THE COURSE OF THE WORK SHALL BE RESTORED AT THE OWNER'S EXPENSE, IN A MANNER SATISFACTORY TO THE TOWN. BACK FILLING THE EXCAVATION OVERNIGHT MAY BE REQUIRED. WHEN IT IS NECESSARY TO CLOSE A STREET, THE FIRE DEPARTMENT AND POLICE DEPARTMENT SHALL BE NOTIFIED BY THE CONTRACTOR. A STREET OPENING PERMIT FROM THE TOWN OF SMITHFIELD HIGHWAY DEPARTMENT AND PERFORMANCE BOND SHALL BE POSTED WITH THE SEWER DEPARTMENT AT LEAST TWELVE (12) HOURS BEFORE OPENING THE STREET.
- 11) BEFORE ANY CONSTRUCTION COMMENCES ON THIS PROJECT, THE CONTRACTOR MUST NOTIFY THE BOARD OR DULY AUTHORIZED AGENT WITH A TIMELINE IN ADEQUATE ADVANCE TO THE BEGINNING OF ANY WORK ON SEWER OR HOUSE CONNECTIONS.
- 12) AFTER THE COMPLETION OF INSTALLING THE SEWER SYSTEM THE APPLICANT SHALL HAVE ALL COMPONENTS OF THE SYSTEM TESTED AS REQUIRED BY THE COMMISSION AND TO MEET THE COMMISSION'S SPECIFICATIONS.

Smithfield Water Notes

- 1) ALL INSTALLATION, JOINTS, CONSTRUCTION METHODS AND MATERIALS SHALL BE ACCORDING TO SMITHFIELD WATER DISTRICT INSTALLATION OF WATER MAINS, AWWA STANDARDS AND GOVERNMENTAL REQUIREMENTS.
- 2) WATER PIPE SHALL BE AWWA C-900 PVC.
- 3) CONSTRUCTION SHALL INCLUDE ALL PIPE, JOINTS, BENDS, TEES, FITTINGS, THRUST BLOCKS, SERVICE CONNECTIONS AND ALL MISCELLANEOUS ITEMS REQUIRED TO CONSTRUCT THE PROPOSED SYSTEM.
- 4) CONCRETE THRUST, ANCHOR, OR BEARING BLOCKS SHALL BE INSTALLED IN LOCATIONS INDICATED AND AT ALL BENDS, FITTINGS, PLUGS, ETC. WHEN A THRUST BLOCK CANNOT BE PLACED AGAINST UNDISTURBED EARTH, A REACTION BLOCK SUBSTITUTE SHALL BE DESIGNED AND SUBMITTED TO THE ENGINEER FOR APPROVAL.
- 5) PRESSURE AND LEAKAGE TESTS AND DISINFECTING PIPES SHALL BE PERFORMED BY THE CONTRACTOR IN CONFORMANCE TO AMERICAN WATER WORKS ASSOCIATION (AWWA) RECOMMENDATIONS, GREENVILLE WATER DISTRICT REQUIREMENTS, AND GOVERNMENTAL AGENCIES HAVING JURISDICTION.
- 6) ALL FITTINGS, PIPE, JOINTS, ETC. SHALL BE DESIGNED FOR 1.5 TIMES WORKING PRESSURE BUT NOT LESS THAN 150 P.S.I. PIPE SIZES SHOWN ON THE PLANS ARE SUBJECT TO CHANGE UPON REVIEW BY THE GREENVILLE WATER DISTRICT.
- 7) WATER PIPE SHALL TYPICALLY BE LOCATED AT LEAST TEN (10) FEET HORIZONTALLY FROM SEWER PIPE, AND AT A MINIMUM DEPTH OF COVER EQUAL TO 5' WHERE A NEW WATER MAIN IS LESS THAN 18 INCHES CLEAR DISTANCE ABOVE A SEWER OR WHERE A WATER MAIN PASSES BENEATH A SEWER OR STORM DRAIN. ENCASE THE SEWER OR DRAIN IN 6" OF CONCRETE FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE CROSSING.
- 8) ALL SYSTEM COMPONENTS AND CONSTRUCTION METHODS, SUCH AS PIPE, THRUST BLOCKS, FITTINGS, CASTINGS, ETC. SHALL BE SUBMITTED TO THE GREENVILLE WATER DISTRICT AND ENGINEER FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION. THIS SUBMISSION SHALL INCLUDE MANUFACTURER'S LITERATURE, SHOP DRAWINGS, PROPOSED CONSTRUCTION.
- 9) WATER LINE TRENCH TO BE AWWA TYPE S, A METALLIZED DETECTABLE IDENTIFICATION TAPE 2" IN WIDTH, BLUE IN COLOR AND PRINTED WITH "CAUTION WATERLINE BURIED BELOW" SHALL BE UTILIZED OVER ALL MAINS. TAPE SHALL BE SET AT APPROXIMATELY 1'-0" BELOW FINISHED GRADE.
- 10) THE DEVELOPER SHALL MAKE APPLICATION FOR AND PAY ALL FEES FOR PERMITS REQUIRED TO CONSTRUCT THIS PROJECT. THE DEVELOPER SHALL NOTIFY THE DISTRICT IN WRITING A MINIMUM OF 72 HOURS PRIOR TO WATER INFRASTRUCTURE INSTALLATION.
- 11) PRIOR TO RECEIVING AUTHORIZATION TO CONSTRUCT, ALL MATERIALS SHALL BE BY THE DISTRICT SUPERINTENDANT.
- 12) ALL WATER MAIN AND LATERALS SHALL MEET TESTING AND DISINFECTING REQUIREMENTS.
- 13) CONSTRUCTION DRAWINGS MUST BE PROVIDED TO THE DISTRICT AT THE COMPLETION OF CONSTRUCTION.
- 14) A RESIDENTIAL METER PIT SHALL BE REQUIRED. CONSULT WITH DISTRICT SUPERINTENDANT FOR SPECIFIC DETAILS.

SURVEY REFERENCE

MARC N. NYBERG
LAND SURVEYORS AND PLANNERS
501 GREAT ROAD, SUITE 104
NORTH SMITHFIELD, RHODE ISLAND 02896
TEL. (401) 762-2870 FAX (401) 762-2871



LEGEND

- UTILITY POLE
- - - 372 EXISTING CONTOUR
- - - 373 EXISTING WETLAND EDGE
- - - 374 50' PERIMETER WETLAND
- - - 375 EXIST. TREELINE
- - - 376 WATER LINE
- - - 378 PROPOSED CONTOUR
- - - 379 SILT FENCE
- - - 380 ZONING SETBACKS
- - - 381 CHAIN LINK FENCE
- - - 382 SILT FENCE / LIMIT OF DISTURBANCE
- - - 383 PROPOSED CONTOUR

ZONING R-1E2

- MIN. LOT AREA 40,000 SF
- MIN. FRONTAGE 150 FT
- MIN. FRONT YARD 30 FT
- MIN. SIDE YARD 20 FT
- MIN. REAR YARD 40 FT

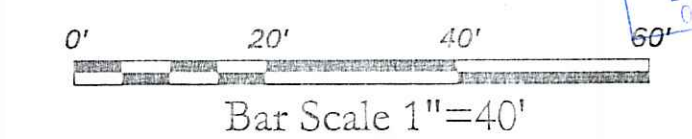
SEDIMENT CONTROL NOTES

1. DISTURBED AREAS WHICH ARE PARTICULARLY SENSITIVE TO EROSION SHALL RECEIVE A CRUSHED STONE OR SHARP ANGULAR RIP-RAP TREATMENT IF OTHER METHODS OF STABILIZATION ARE UNSUCCESSFUL.
2. BANKS OR SLOPES NOT RECEIVING RIP RAP SHALL BE SEEDED AND PROTECTED WITH FIBER MULCH.
3. DURING CONSTRUCTION, THE CONTRACTOR AND/OR THE DEVELOPER SHALL BE RESPONSIBLE FOR UTILIZING BEST MANAGEMENT PRACTICES TO CONTROL ENVIRONMENTAL DAMAGE THAT COULD RESULT FROM UNCHECKED STORMWATER RUNOFF.
4. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED PERIODICALLY AND MAINTAINED REGULARLY. SPECIAL ATTENTION SHOULD BE GIVEN AFTER A HEAVY OR PROLONGED RAINFALL.
5. CARE SHALL BE SO AS NOT TO PLACE "REMOVED SEDIMENTS" WITHIN THE PATH OF EXISTING OR NEWLY CREATED (WITH TEMPORARY AND PERMANENT) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECTED TO STORM WATER FLOWAGE.
6. ADDITIONAL HAY BALS, SILT FENCE OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.
7. SEDIMENTATION TRAPS SHALL BE PROVIDED AND MAINTAINED AT ALL DRAINAGE STRUCTURES DURING CONSTRUCTION. SPECIAL CARE SHALL BE TAKEN TO INCLUDE EROSION PROTECTION ON LULU CATCH BASINS.
8. REFERENCE THE "RHODE ISLAND EROSION AND SEDIMENT CONTROL HANDBOOK" (1989) PREPARED BY THE RI DEPT. OF ENVIRONMENTAL MANAGEMENT, RI STATE CONSERVATION COMMISSION AND THE U.S. DEPT. OF AGRICULTURE, SOIL CONSERVATION SERVICE AS A PRACTICAL GUIDE.

Limit of Disturbance
Revised per RE DEM

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO.: 08-0311
DATED FEB 27 2009
SEE LETTER OF SAME DATE.

Nancy L. Freeman



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BY	
NO.	
DATE	
REVISION	

BRIAN P. THALMANN
Site/Civil Engineers • Land Planners
600 Putnam Pike
Smithfield, Rhode Island
(401) 349-3040

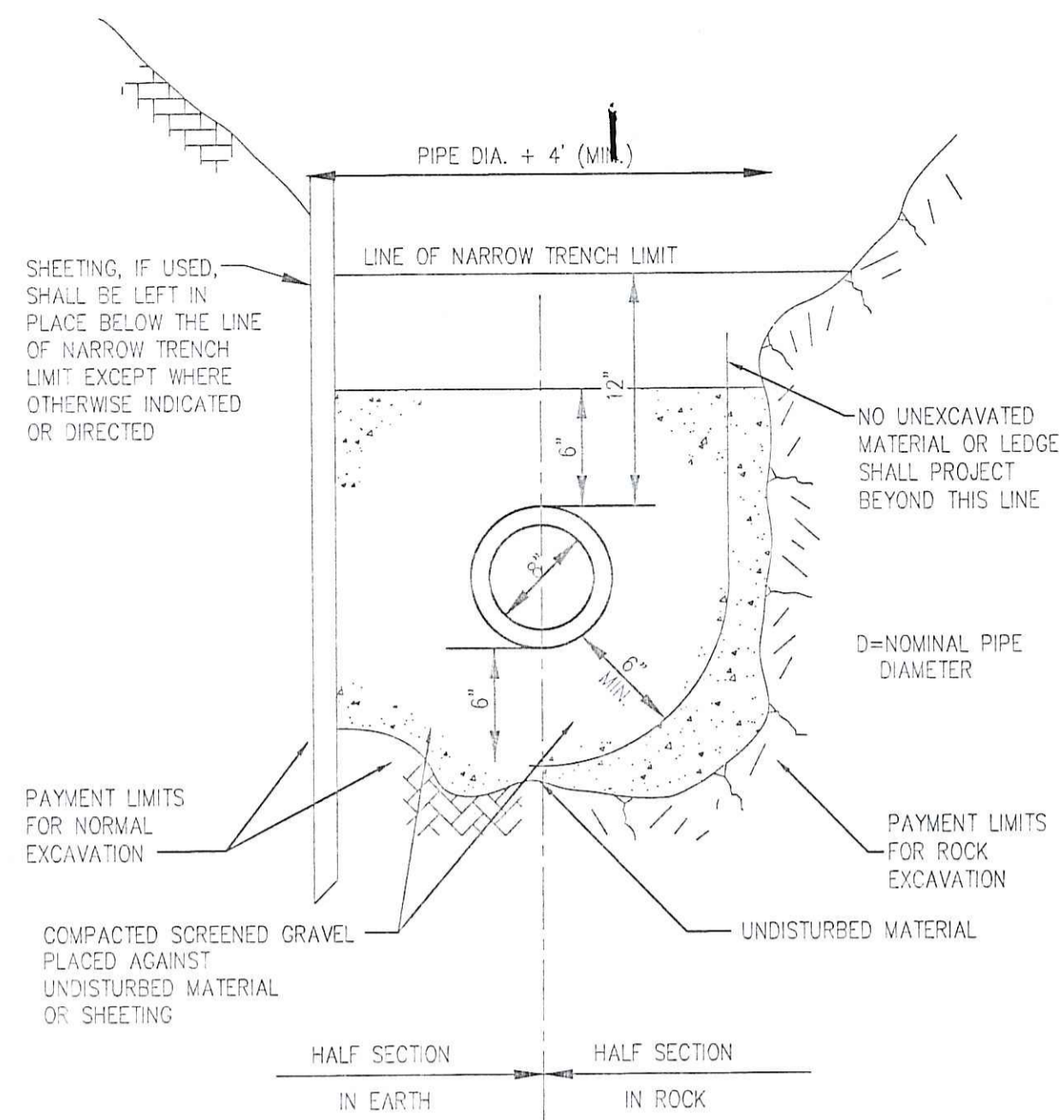
Thalman Engineering Co., Inc.
ENGINEERING CO., INC.

Site Plan
Lot 3
Proposed Single Family Dwelling
Smithfield
Rhode Island
Sillwater Road
Prepared for:
Fitchard and Jeanine Poirier
320 Sillwater Road Smithfield, R.I.
date: 12/19/08
scale: 1"=40'

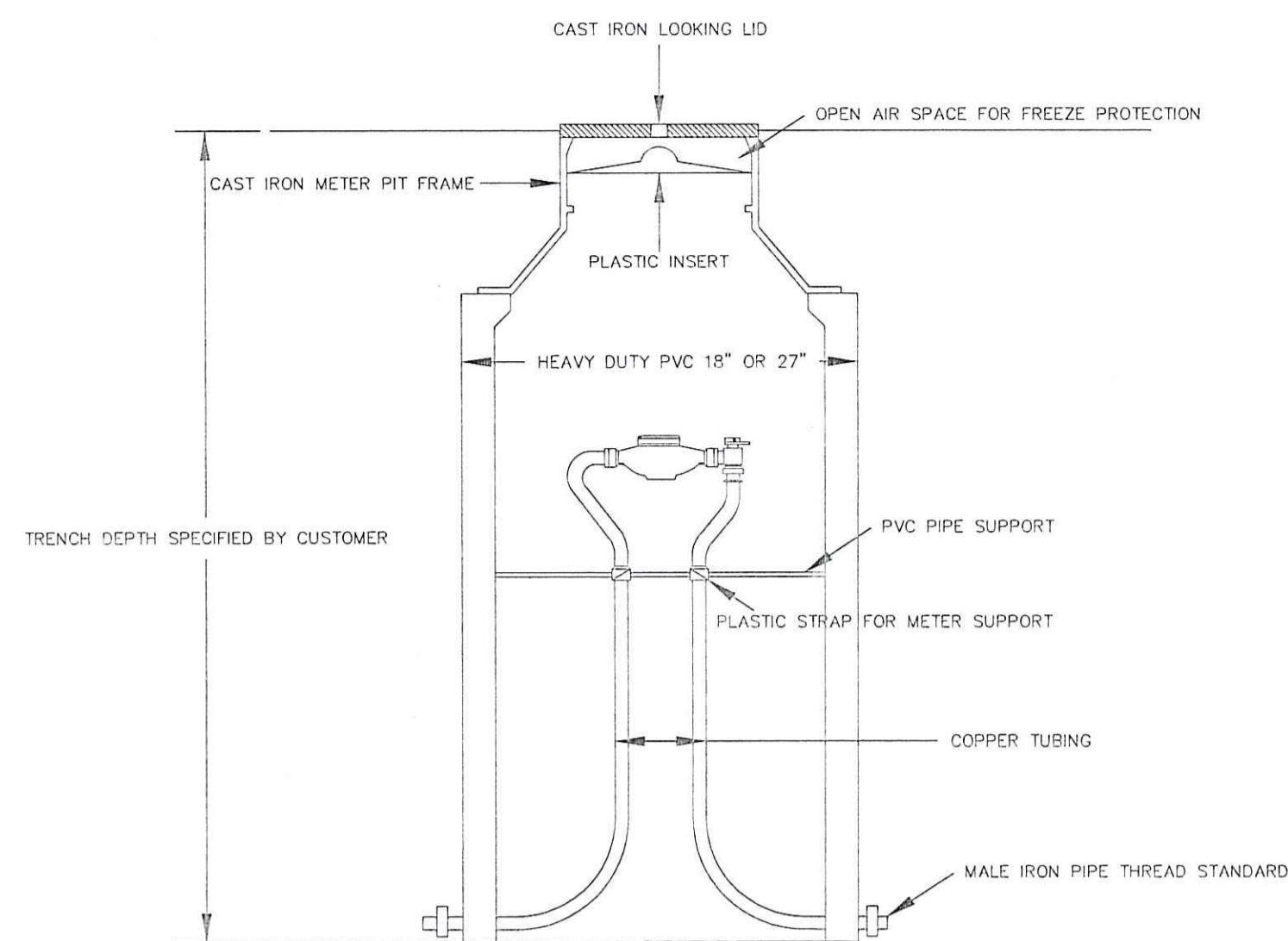
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Checked By: BPT

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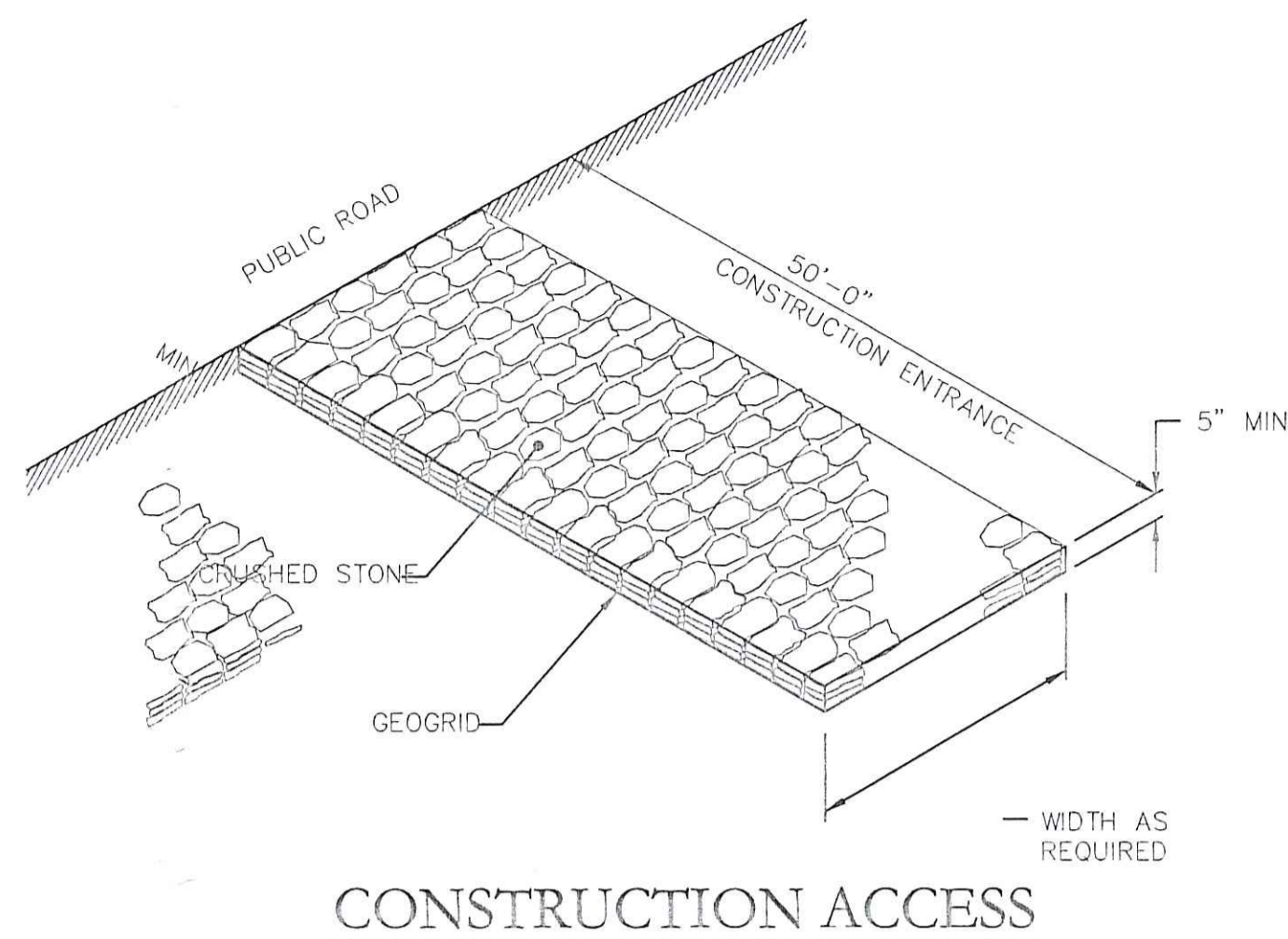
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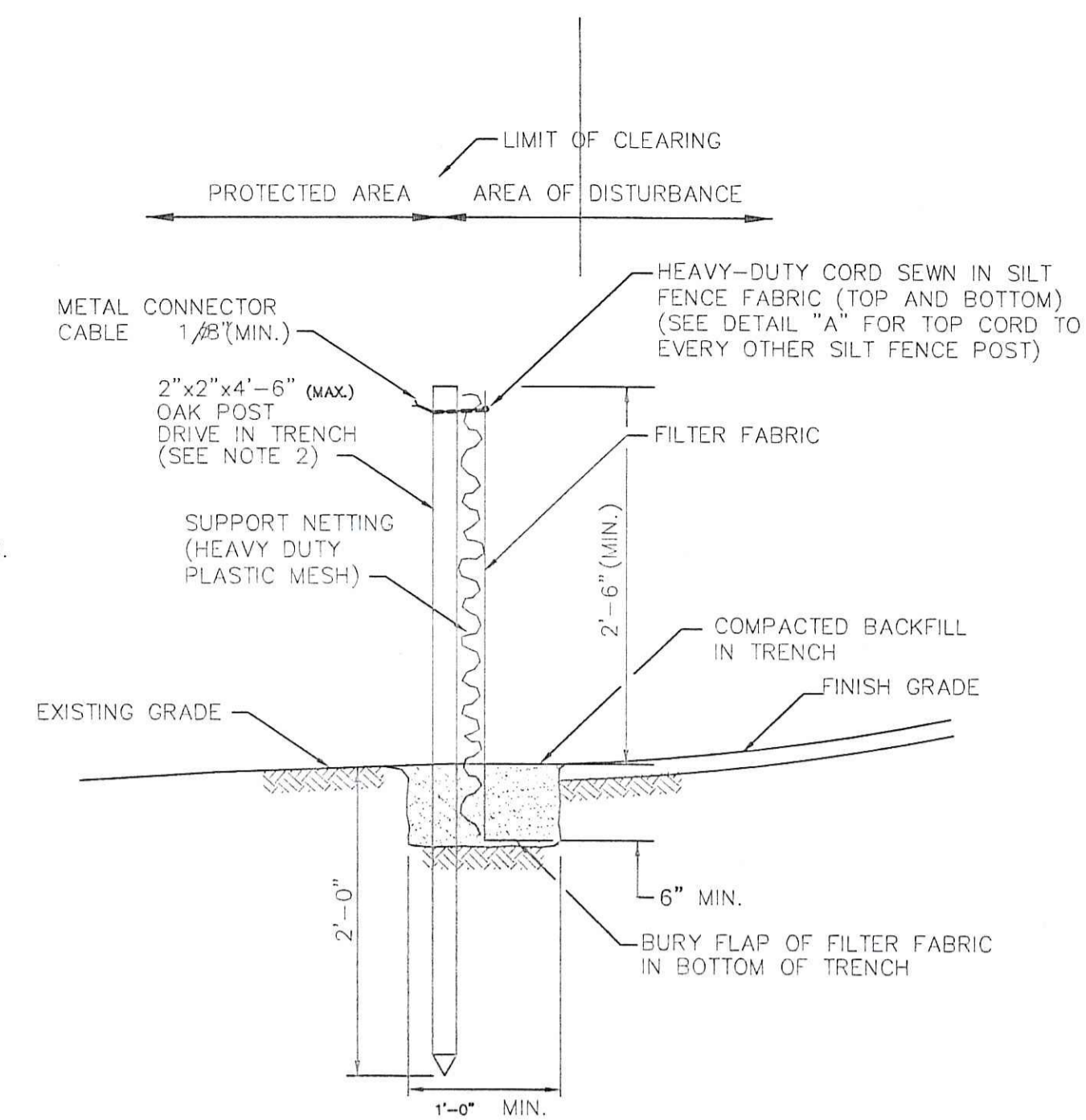
TYPICAL SEWER TRENCH DETAIL



Meter Pit

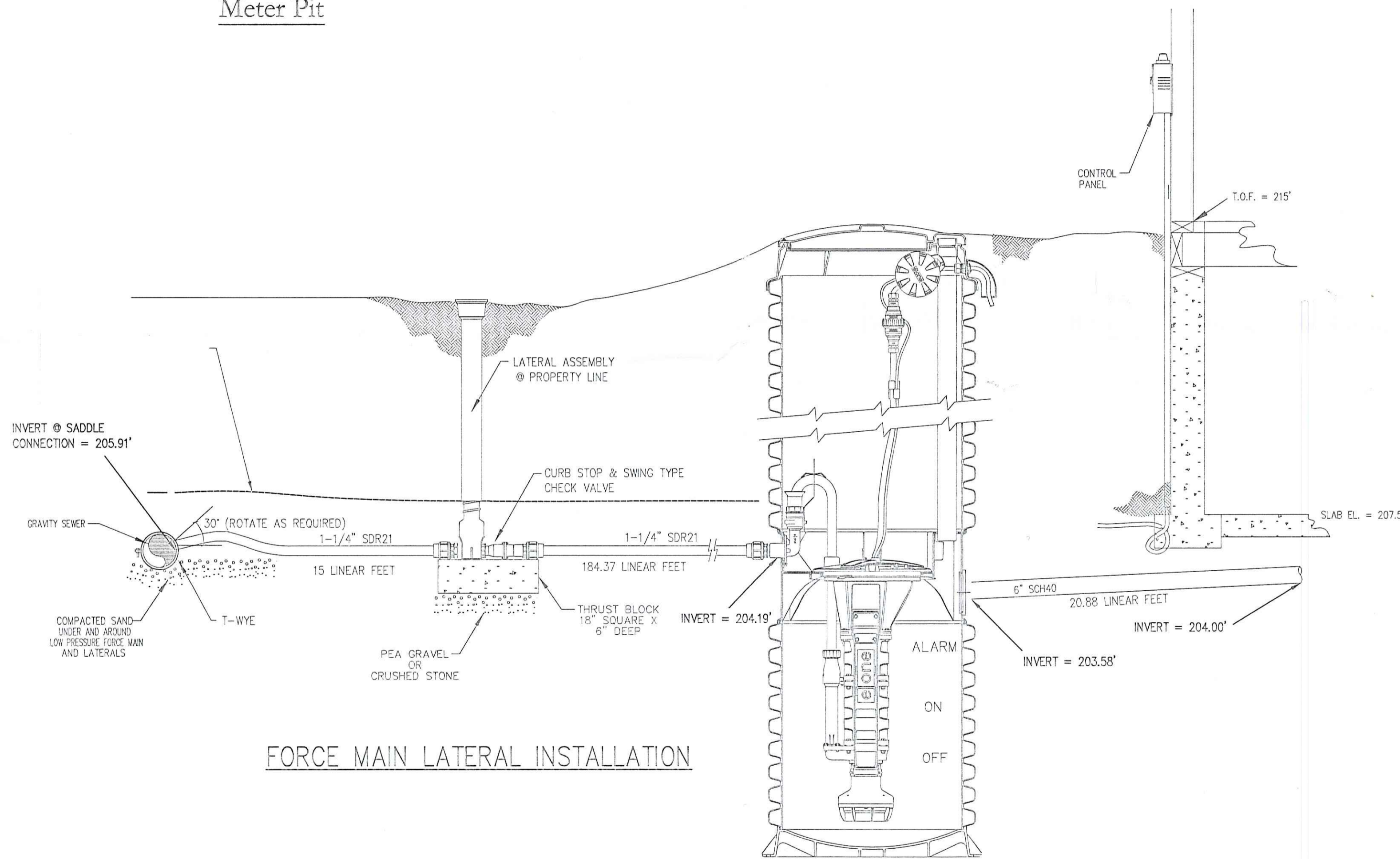


CONSTRUCTION ACCESS

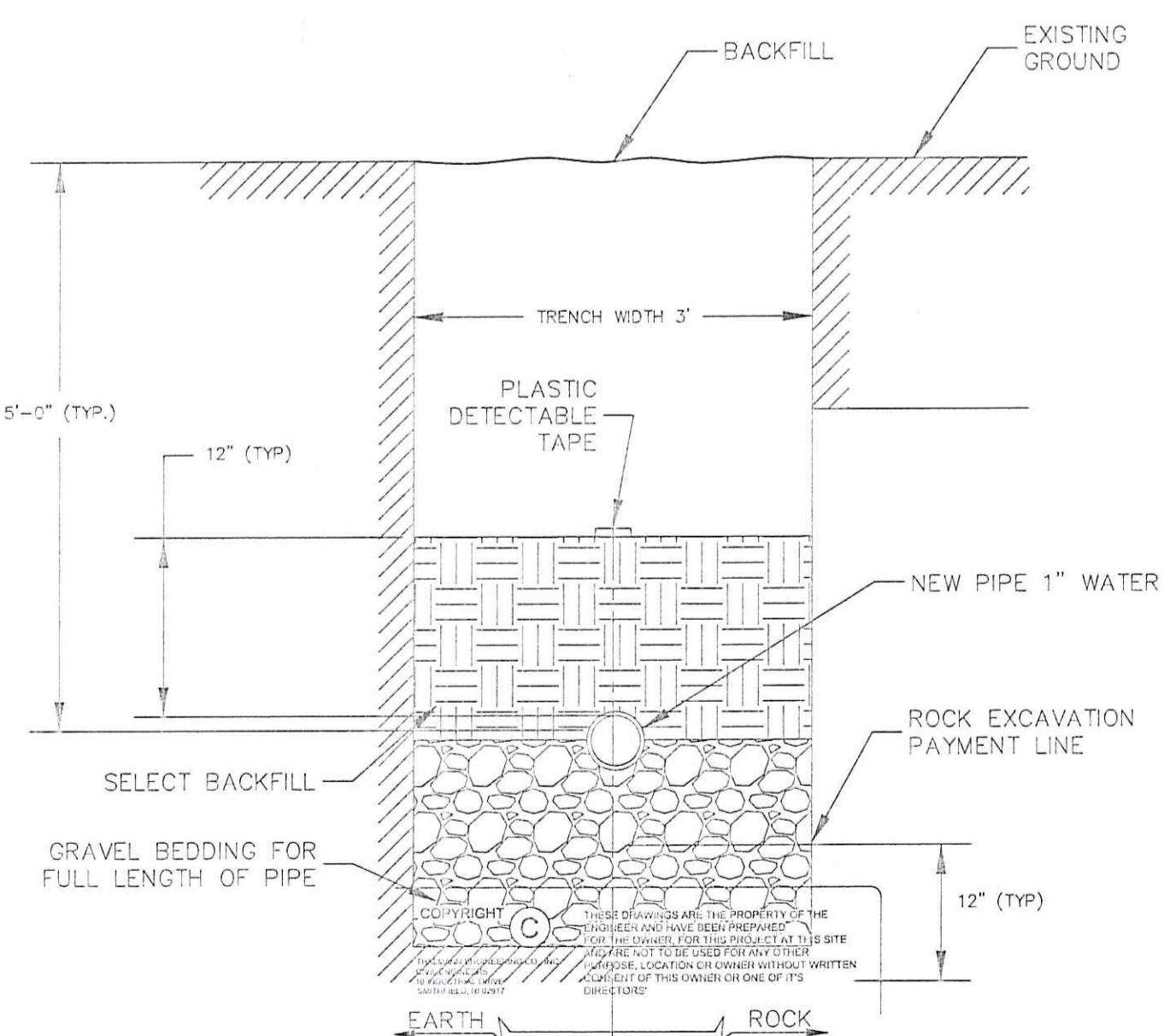


SILT FENCE DETAIL

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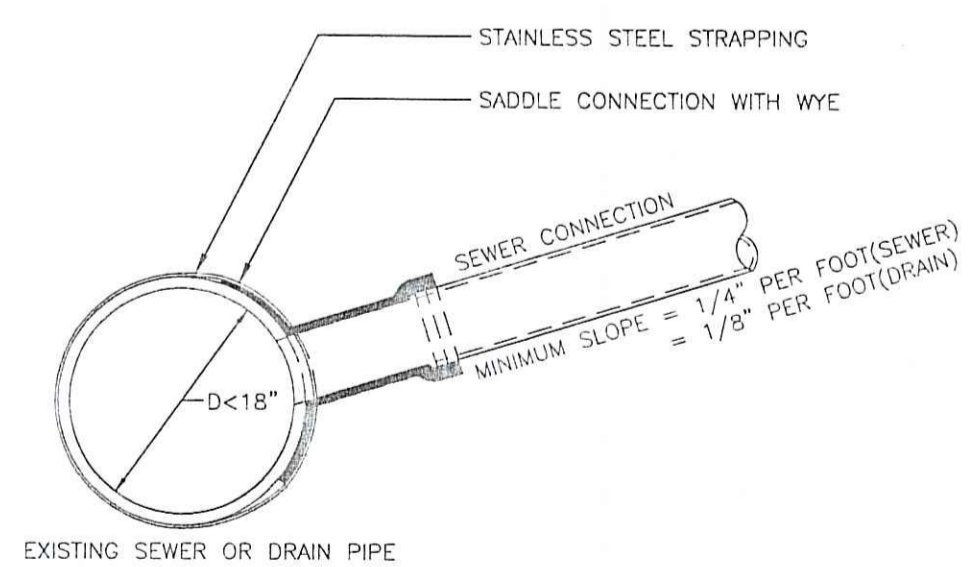


FORCE MAIN LATERAL INSTALLATION



SMITHFIELD WATER TRENCH DETAIL

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO.: 08-0391
DATED FEB 27 2009
SEE LETTER OF SAME DATE.



- NOTES:
1. FULL PVC OR IRON SADDLE MAY BE USED TO CONNECT TO EXISTING PVC, CLAY, CONCRETE, OR IRON PIPE.
 2. SADDLES MUST HAVE RUBBER GASKETS AND SHALL BE TIGHTENED WITH STRAPS. SADDLES WILL NOT BE CEMENTED ONTO THE PIPE.
 3. FULL WYE CONNECTION FITTINGS MAY BE USED.
 4. PIPE SHALL BE CUT TO CONFORM TO THE OPENING IN THE SADDLE.
 5. CONNECTIONS DIRECTLY INTO THE EXISTING PIPE WITHOUT A SADDLE OR A FULL WYE FITTING ARE NOT ALLOWED.

SADDLE CONNECTION

NO.	DATE	REVISION	BY



Thalmann Engineering Co., Inc.
Site/Civil Engineers • Land Planners
600 Putnam Pike
Smithfield, Rhode Island
(401) 349-3040

Site Plan
Proposed Single Family Dwelling
Lot 3
Stallwater Road
Smithfield
Rhode Island
Prepared for:
Richard and Jeanne Poirier
320 Stallwater Road Smithfield, R.I.

Drawn By: CRP
Checked By: BPT
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