

TOWN OF CUMBERLAND, RHODE ISLAND

CUMBERLAND WATER DEPARTMENT

FRANKLIN FARM

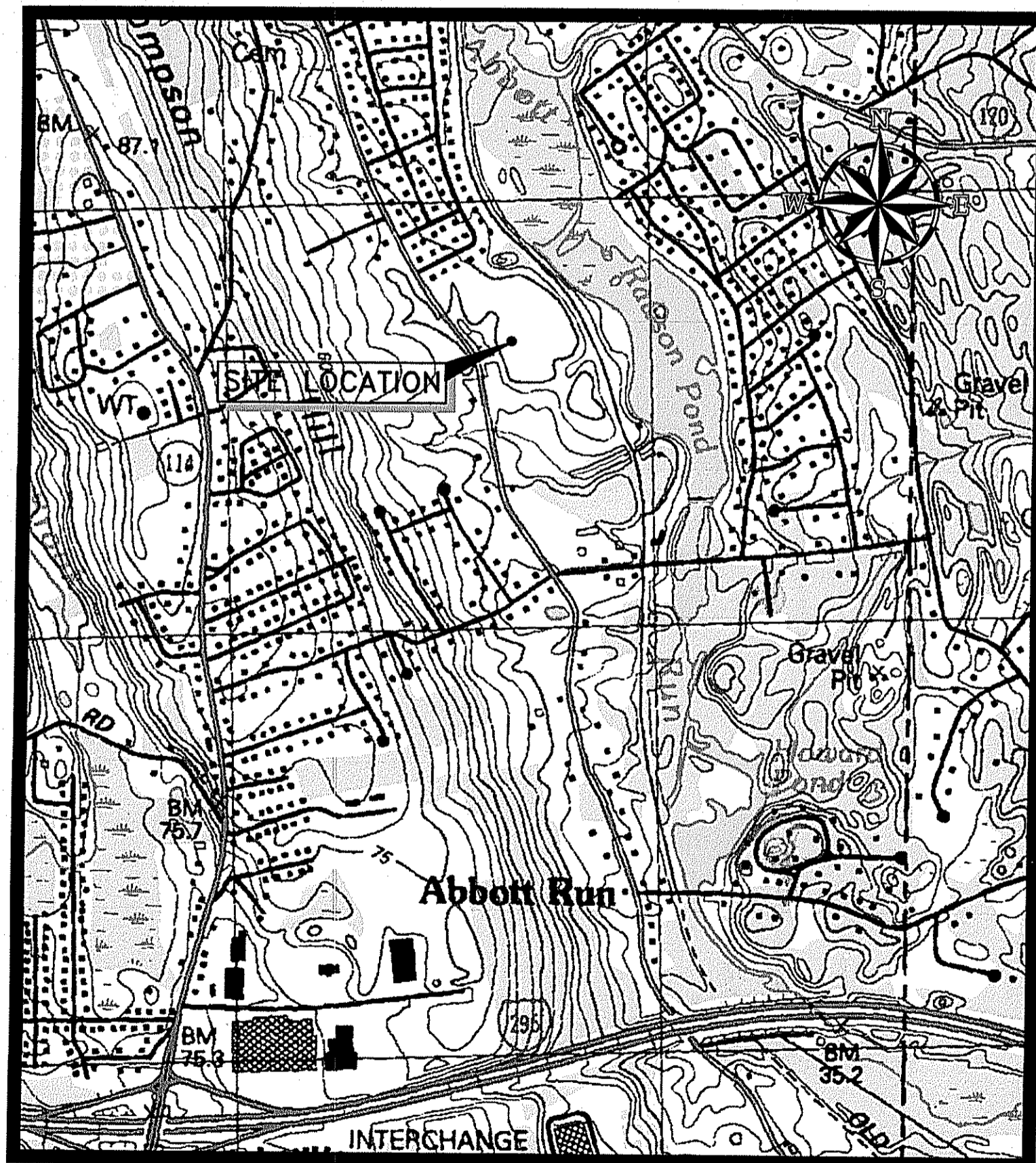
WETLAND PERMIT APPLICATION

PROJECT NO. 212636.29

FEBRUARY 2016

SHEET LIST:

- C-001 GENERAL NOTES, LEGEND AND ABBREVIATION
- C-100 EXISTING CONDITIONS PLAN
- C-200 SITE PLAN
- C-300 SITE DETAILS



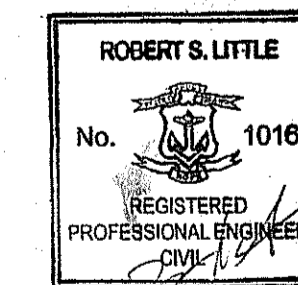
SOURCE: USGS TOPOGRAPHIC MAP

SITE LOCATION MAP



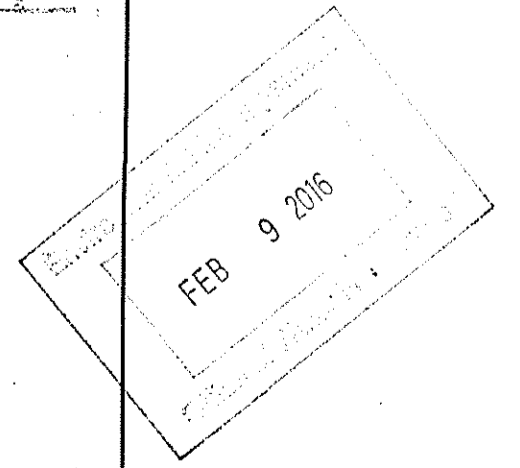
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUN 7 2016 FILE # 15-0277
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles H. [Signature]



\\ve\ahres\Projects\212636 Cumberland RI General Eng Services for Water Wp\Task Order 29 - Groundwater Well Exploration - Phase 212636.29-COVER.DWG, Feb 04, 2016 - 3:15pm

GENERAL NOTES:

- THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR AS REQUIRED TO PERFORM THE WORK AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
- THE LOCATION, TYPE AND SIZE OF EXISTING PIPES, DUCTS, CONDUITS AND OTHER UNDERGROUND STRUCTURES SHOWN ON THE DRAWINGS ARE NOT WARRANTED TO BE EXACT NOR IS IT WARRANTED THAT ALL UNDERGROUND STRUCTURES ARE SHOWN. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS.
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION WITH THE OWNER, UTILITY COMPANIES AND EMERGENCY SERVICES.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL SAFETY CODES, REGULATIONS, LEGAL REQUIREMENTS, PERMIT CONDITIONS, ETC.
- WORK WITHIN PUBLIC WAYS SHALL COMPLY WITH APPLICABLE MUNICIPAL AND STATE REQUIREMENTS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIM/HERSELF WITH THE CONDITIONS RELATING TO THE CONSTRUCTION AND PERFORMANCE OF THE WORK AS SHOWN ON THE DRAWINGS. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR THE MATERIALS AND LABOR NECESSARY TO CARRY OUT THE PROVISIONS OF THE CONTRACT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS THAT CONFLICT WITH THE PROPOSED WORK SHOWN ON THE DRAWINGS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITY'S SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COSTS SHALL BE BORNE BY THE CONTRACTOR.
- IN SO FAR AS POSSIBLE, THE CONTRACTOR SHALL PERFORM ALL THE WORK OF THIS PROJECT IN A MANNER THAT DOES NOT INTERFERE WITH THE WORK OF OTHERS OR THE OWNER'S OPERATIONS AT THE SITE. COORDINATE WITH THE OWNER TO ENSURE THAT THE WORK OF THIS PROJECT DOES NOT INCUR UNANTICIPATED INTERFERENCES. ALL CONSTRUCTION PHASING AND OPERATIONS SHALL BE COORDINATED WITH THE OWNER.
- THE CONTRACTOR SHALL SUPERVISE AND INSPECT THE WORK OF THIS PROJECT IN AN EFFICIENT AND COMPETENT MANNER. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCE AND PROCEDURES USED TO COMPLETE THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THE WORK IS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. A REPRESENTATIVE OF THE GENERAL CONTRACTOR SHALL BE PRESENT DURING ALL PHASES OF THE WORK.
- AS-BUILT DRAWINGS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PROVIDED TO THE OWNER UPON COMPLETION OF THE PROJECT. AS-BUILTS SHALL INCLUDE SWING-TIE LOCATIONS TO UNDERGROUND AND ABOVEGROUND UTILITIES INCLUDING ANY PIPE BENDS, TEES, VALVES, UNDERGROUND STRUCTURES, PULL BOXES, ETC. AND SHALL INCLUDE DEPTH OF COVER AND INVERT ELEVATIONS. AS-BUILTS SHALL INCLUDE LOCATIONS OF EXISTING UTILITIES WHICH ARE EXPOSED DURING CONSTRUCTION.

EXISTING CONDITIONS NOTES:

- EXISTING CONDITIONS SURVEY BASED UPON ELECTRONIC CAD PLAN PROVIDED BY NATIONAL SURVEYORS-DEVELOPERS INC. ON DECEMBER 2014.
- ELEVATIONS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCH MARKS NECESSARY FOR THE WORK.

UTILITY NOTES:

- THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY UTILITY CONNECTIONS OR CROSSINGS OF PROPOSED OR EXISTING UTILITIES. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER. THE CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY COMPANIES RELATIVE TO THE LOCATIONS AND ELEVATIONS OF THESE LINES. NO SEPARATE OR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR DUE TO ANY VARIANCE BETWEEN THE DATA SHOWN ON THE PLANS AND ACTUAL FIELD CONDITIONS ENCOUNTERED. THE CONTRACTOR IS RESPONSIBLE FOR HIS/HER OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE EXISTING UTILITIES AS MAY BE NECESSARY TO AVOID THEIR DAMAGE AND TO FACILITATE THE PROPOSED CONNECTION(S).
- BEFORE STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS AND FOR PERFORMING ANY NECESSARY WORK INVOLVED WITH THE UTILITY COMPANIES, SUCH AS ELECTRICITY, TELEPHONE, WATER, GAS AND ANY SYSTEM OR SYSTEMS WHICH WILL BE AFFECTED BY THE WORK.
- UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES.
- ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE BENCHMARK AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR AT GROUND BREAK.
- CONTRACTOR IS RESPONSIBLE FOR DIGGING TEST HOLES AND VERIFYING EXISTING UTILITIES AND STRUCTURE PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY THAT BASED ON EXACT LOCATION OF EXISTING UTILITIES THERE ARE NO CONFLICTS BETWEEN THEM AND THE PROPOSED UTILITIES. CONTRACTOR SHALL VERIFY THE SIZE AND MATERIAL OF EXISTING PIPING AND STRUCTURES TO ENSURE PROPER CONNECTION OF PROPOSED TO EXISTING WORK.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE SPECIFICATIONS OF THE LOCAL AUTHORITIES WITH REGARDS TO MATERIALS AND INSTALLATION OF UTILITIES.

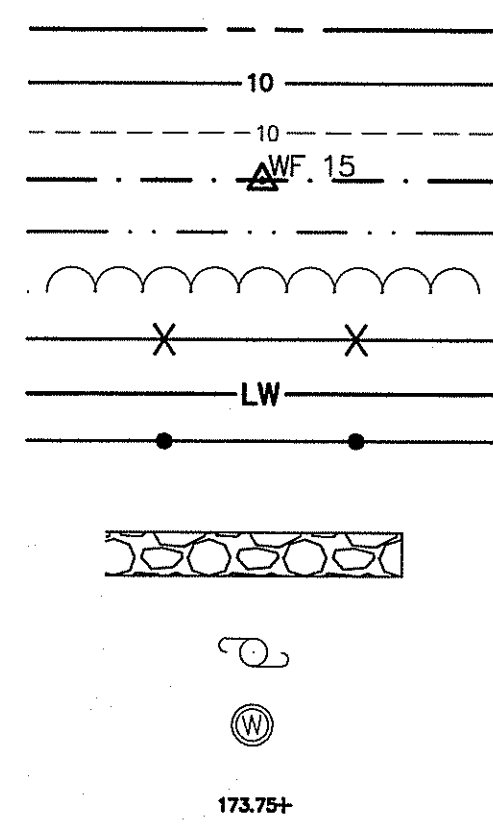
CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL CALL "DIG SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO EXCAVATION IN ACCORDANCE WITH STATE OF RHODE ISLAND, GENERAL LAW C39-1.2.
- THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE AGENCIES AND UTILITY COMPANIES IN WRITING 48 HOURS PRIOR TO ANY CONSTRUCTION WITHIN 15 FEET OF A UTILITY LINE.
- RESTORE ALL AREAS DISTURBED BY CONTRACTOR'S OPERATIONS TO ORIGINAL CONDITION UNLESS NOTED OTHERWISE (GRAVEL, PAVEMENT, GRASS, ETC.). LAND OUTSIDE THE PROPOSED LIMITS OF WORK SHALL NOT BE DISTURBED BY THE CONTRACTOR.
- PROPERLY PROTECT AND DO NOT DISTURB PROPERTY IRONS AND MONUMENTS. IF DISTURBED, THE PROPERTY MONUMENT WILL BE RESET AT THE CONTRACTOR'S EXPENSE, BY A REGISTERED LAND SURVEYOR APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT EQUIPMENT FLUIDS FROM REACHING ANY WATER. ANY INADVERTENT FLUID DISCHARGES SHALL BE IMMEDIATELY CLEANED FROM THE WATERS USING WHATEVER MEANS NECESSARY, AS DETERMINED BY THE ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN SPILL PREVENTION AND RESPONSE EQUIPMENT ON SITE.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SHORING OF ALL EXCAVATIONS IN ACCORDANCE WITH THE REQUIREMENTS OF ALL GOVERNING CODES AND REGULATIONS.
- ALL SURFACES OUTSIDE THE LIMIT OF WORK THAT ARE DISTURBED SHALL BE RESTORED TO THEIR ORIGINAL CONDITION, AS DETAILED, OR AS SPECIFIED BY THE ENGINEER.
- ALL EXISTING PIPING AND STRUCTURES EXPOSED DURING EXCAVATION SHALL BE ADEQUATELY SUPPORTED, BRACED, OR OTHERWISE PROTECTED DURING CONSTRUCTION ACTIVITIES.
- WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT, SAW CUT EXISTING PAVEMENT SMOOTH AND STRAIGHT. WHERE NEW BITUMINOUS CONCRETE MEETS EXISTING BITUMINOUS CONCRETE SURFACES, SAW CUT EDGES ARE TO BE SEALED WITH BITUMEN AND BACK SANDED.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- LIMIT OF DISTURBANCE SHALL NOT EXCEED ONE (1) ACRE.

SEDIMENTATION & EROSION CONTROL NOTES:

- SOIL AND EROSION CONTROLS SHALL BE PLACED PRIOR TO BEGINNING OF CONSTRUCTION ACTIVITIES. CONTRACTOR TO NOTIFY THE ENGINEER AND THE OWNER AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION ACTIVITIES.
- ALL WORK OF THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH EROSION AND SEDIMENTATION CONTROL STANDARDS AND DETAILS AS PRESENTED IN THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK PREPARED BY THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.
- SOIL DISTURBANCE SHALL BE KEPT TO A MINIMUM AND ALL DISTURBED AREAS SHALL BE STABILIZED (WITH PERMANENT OR TEMPORARY MEASURES) AS QUICKLY AS POSSIBLE. ALL DISTURBED AREAS NOT OTHERWISE TREATED SHALL RECEIVE A MINIMUM OF 4" OF LOAM, SEED, AND MULCH AS DETAILED IN THE SPECIFICATIONS AND IN ACCORDANCE WITH THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK PREPARED BY THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT. LIMITS OF DISTURBANCE SHALL NOT EXCEED ONE (1) ACRE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING ALL EROSION CONTROL MEASURES NECESSARY TO PREVENT OFF-SITE TRACKING OF EARTH, SEDIMENT AND DEBRIS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING ALL SEDIMENTATION CONTROL MEASURES NECESSARY TO PREVENT SEDIMENT FROM DISCHARGING INTO SEPARATE STORM DRAIN SYSTEM.
- ALL SITE SOILS TO BE STOCKPILED FOR MORE THAN 30 DAYS SHALL BE SURROUNDED BY EROSION CONTROL BARRIERS AND TEMPORARILY SEEDED AND MULCHED.
- EROSION CONTROL MEASURES SHALL BE INSPECTED AT A MINIMUM FREQUENCY OF ONCE EVERY WEEK, AND DURING AND AFTER EVERY RAIN EVENT GREATER THAN 0.25". ANY NECESSARY REPLACEMENT OR REPAIR SHALL BE PERFORMED PROMPTLY BY THE CONTRACTOR.
- DUST SHALL BE CONTROLLED AS NECESSARY THROUGH THE USE OF WATER. THE USE OF CALCIUM CHLORIDE FOR DUST CONTROL IS NOT ALLOWED.

LEGEND:



- EXISTING PROPERTY LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- EXISTING RIVERBANK WETLAND
- EXISTING 200' RIVERBANK WETLAND BUFFER
- EXISTING TREELINE
- PROPOSED FENCE
- LIMIT OF WORK
- PROPOSED SILT FENCE
- PROPOSED GRAVEL DRIVE
- EXISTING UTILITY POLE
- EXISTING MONITORING WELL
- PROPOSED SPOT GRADE

ABBREVIATIONS

| | | | |
|------------|---|-----------|----------------------|
| AB | ANCHOR BOLTS | SECT | SECTION |
| AGGR | AGGREGATE | SHT | SHEET |
| ALT | ALTERNATE | SI | SILL ELEVATION |
| ALUM | ALUMINUM | SMH | SEWER MANHOLE |
| ANSI | AMERICAN NATIONAL STANDARDS INSTITUTE | SPEC | SPECIAL |
| APA | AMERICAN PLYWOOD ASSOCIATION | SPEC'S | SPECIFICATIONS |
| APPROX; ± | APPROXIMATELY | SQ | SQUARE |
| | | SS | STAINLESS STEEL |
| BLDG | BUILDING | STD | STANDARD |
| BOF | BOTTOM OF FOOTING | SUSP | SUSPENDED |
| BOS | BOTTOM OF SILL | | |
| BOT | BOTTOM | TBM | TEMPORARY BENCH MARK |
| | | THR'HOLD | THRESHOLD |
| CL | CENTERLINE | TP | TEST PIT |
| CB | CATCHBASIN | TYP; TYP. | TYPICAL |
| CI | CAST IRON | | |
| CL | CLEARING LIMITS | W/ | WITH |
| CLG | CEILING | WD | WOOD |
| CLR | CLEAR | WF | WETLAND FLAG |
| CMP | CORRUGATED METAL PIPE | W.G.; WG | WATER GATE VALVE |
| CMU | CONCRETE MASONRY UNIT | WS | WATER SERVICE |
| CO | CLEANOUT | | |
| COL | COLUMN | | |
| CON | CONCRETE | | |
| CONN | CONNECTION | | |
| CONST | CONSTRUCTION | | |
| CONT | CONTINUOUS | | |
| CORR | CORRUGATED | | |
| CS | CARBON STEEL CURB STOP | | |
| CU | COPPER | | |
| | | | |
| DI | DUCTILE IRON | | |
| DIA; Ø | DIAMETER | | |
| DN | DOWN | | |
| DW | DOMESTIC WATER | | |
| | | | |
| EA | EACH | | |
| EL | ELEVATION | | |
| ELEC COND | ELECTRICAL CONDUIT | | |
| EQUIP | EQUIPMENT | | |
| EW | EACH WAY | | |
| EXIST, EX | EXISTING | | |
| EXP | EXPANSION | | |
| EXT | EXTERIOR | | |
| EXTEN | EXTENSION | | |
| | | | |
| FC | FIRECODE | | |
| FD | FLOOR DRAIN | | |
| FDN | FOUNDATION | | |
| FE | FIRE EXTINGUISHER | | |
| FF/FIN FLR | FINISH FLOOR | | |
| FFE | FINISH FLOOR ELEVATION | | |
| FIN | FINISHED | | |
| FIN GR | FINISH GRADE | | |
| FLR | FLOOR | | |
| FLR'G | FLOORING | | |
| FM | FORCE MAIN | | |
| | | | |
| GAL | GALLON | | |
| GALV | GALVANIZED | | |
| GG; G.G | GAS GATE VALVE | | |
| GWB | GYPSUM WALLBOARD | | |
| | | | |
| HORIZ | HORIZONTAL | | |
| H P | HIGH POINT | | |
| HP | HIGH PRESSURE | | |
| HT | HEIGHT | | |
| | | | |
| ID | INSIDE DIAMETER | | |
| IN | INCHES | | |
| INSUL | INSULATION | | |
| INT | INTERIOR | | |
| INV | INVERT | | |
| | | | |
| L P | LOW POINT | | |
| LP | LOW PRESSURE | | |
| LW | LIMIT OF WORK | | |
| | | | |
| MAX | MAXIMUM | | |
| MECH | MECHANICAL | | |
| MFG | MANUFACTURER | | |
| MH | MANHOLE | | |
| MIN; MIN. | MINIMUM | | |
| MJ | MECHANICAL JOINT | | |
| MTL | METAL | | |
| | | | |
| NAVD | NORTH AMERICAN VERTICAL DATUM | | |
| NO. | NUMBER | | |
| N/F | NOW OR FORMERLY | | |
| NS | NEAR SIDE | | |
| NTS | NOT TO SCALE | | |
| | | | |
| OC | ON CENTER | | |
| OD | OUTSIDE DIAMETER | | |
| OH | OVERHEAD | | |
| OPER | OPERATOR | | |
| | | | |
| PL | PLATE | | |
| PLYWD | PLYWOOD | | |
| PTD | PAINTED | | |
| PVC | POLYVINYL CHLORIDE | | |
| | | | |
| RCP | REINFORCED CONCRETE PIPE | | |
| REINF | REINFORCED | | |
| REQ'D | REQUIRED | | |
| RESIL | RESILIENT | | |
| RIDOT | RHODE ISLAND DEPARTMENT OF TRANSPORTATION | | |
| R/W | RIGHT OF WAY | | |

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF
 DATED JUN 7 2016 FILE # 15-0277
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ROBERT S. LITTLE
 No. 10160
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF RHODE ISLAND

| REV | DESCRIPTION | DATE |
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GENERAL NOTES, LEGEND AND ABBREVIATIONS

CUMBERLAND WATER DEPARTMENT
 FRANKLIN FARM
 CUMBERLAND, RHODE ISLAND

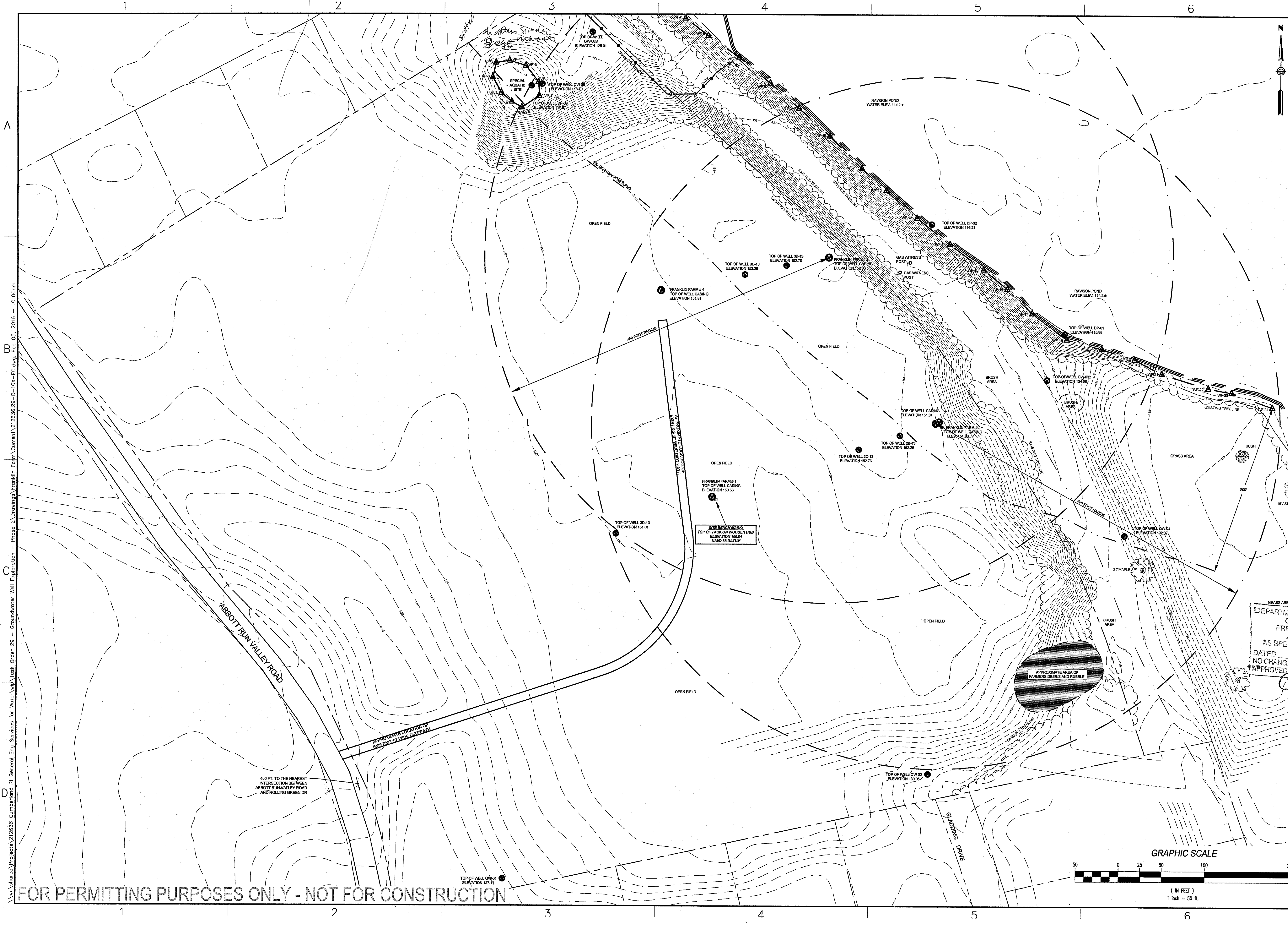
WETLAND PERMIT APPLICATION

JOB NO.: 212636.29
 DATE: FEBRUARY 2016
 SCALE: AS SHOWN
 SHEET: 1 OF 5

C-001

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Phase 2 Drawings\Franklin Farm\Current\212636.29-C-00X-01.dwg, Feb 04, 2016 - 3:15pm
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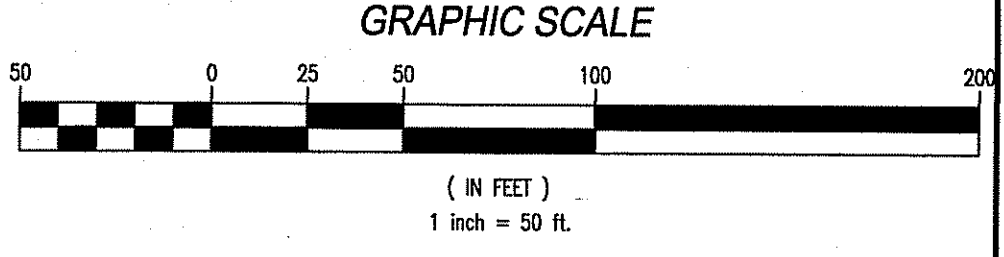
EXISTING CONDITIONS PLAN

DEPARTMENT OF ENVIRONMENTAL PLANNING
 OFFICE OF WATER RESOURCES
 FRESH WATER WATERSHEDS
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF
 DATED JULY 7, 2016. FILE # 15-0277
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CUMBERLAND WATER DEPARTMENT
 FRANKLIN FARM
 CUMBERLAND, RHODE ISLAND
WETLAND PERMIT APPLICATION

JOB NO.: 212636.29
 DATE: FEBRUARY 2016
 SCALE: AS SHOWN
 SHEET: 3 OF 5

C-100



FEB 9 2016

CONSTRUCTION SEQUENCE:

1. INSTALL EROSION AND SEDIMENT CONTROLS PRIOR TO START OF CONSTRUCTION. INSPECT AND MAINTAIN EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION.
2. INITIATE APPROPRIATE STABILIZATION PRACTICES ON ALL DISTURBED AREAS DURING CONSTRUCTION. AREAS OUTSIDE THE LIMIT OF WORK SHALL NOT BE DISTURBED.
3. LOAM AND SEED DISTURBED PVIOUS AREAS AFTER EARTHWORK HAS BEEN COMPLETED.

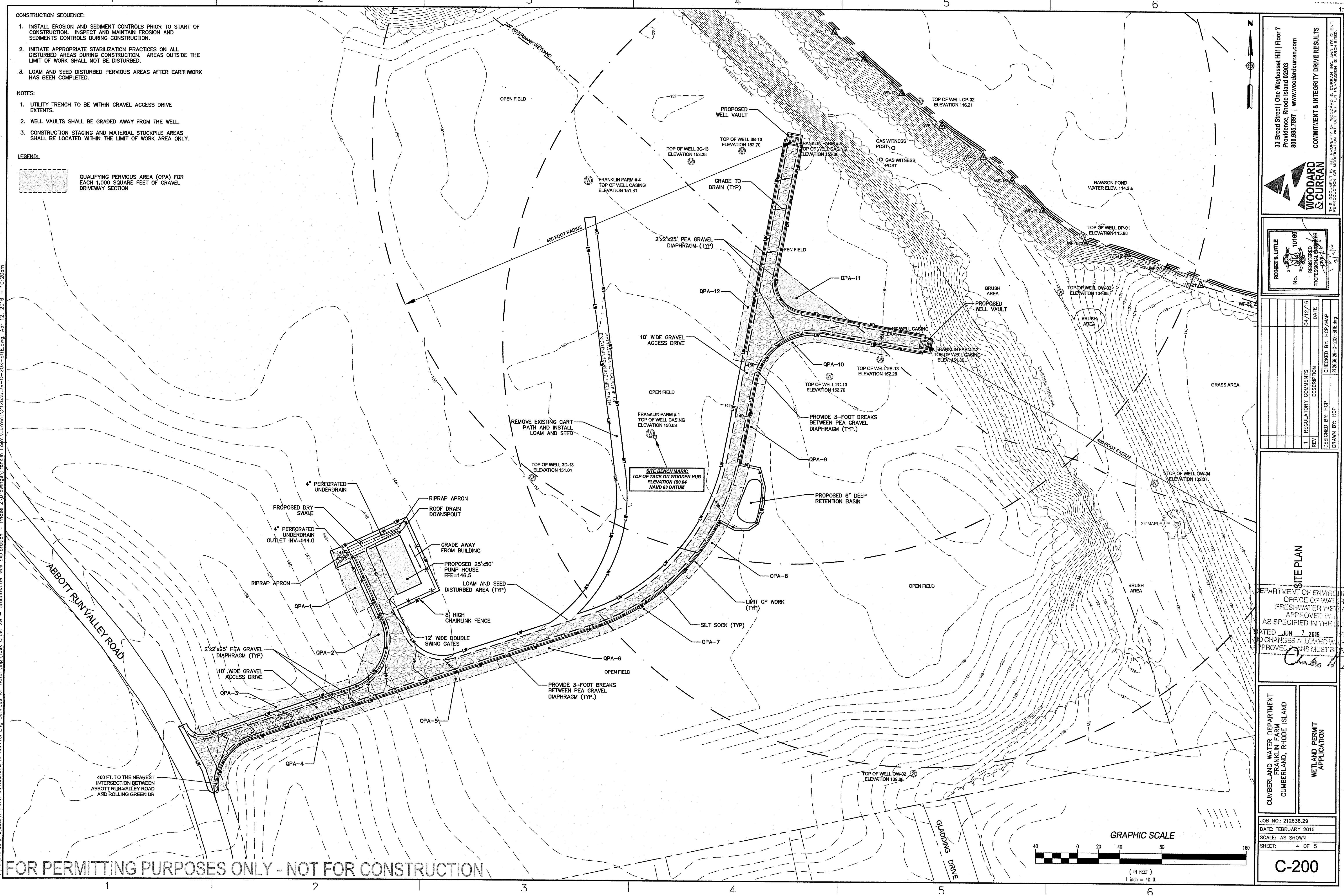
NOTES:

1. UTILITY TRENCH TO BE WITHIN GRAVEL ACCESS DRIVE EXTENTS.
2. WELL VAULTS SHALL BE GRADED AWAY FROM THE WELL.
3. CONSTRUCTION STAGING AND MATERIAL STOCKPILE AREAS SHALL BE LOCATED WITHIN THE LIMIT OF WORK AREA ONLY.

LEGEND:

QUALIFYING PVIOUS AREA (QPA) FOR EACH 1,000 SQUARE FEET OF GRAVEL DRIVEWAY SECTION

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| REV | REGULATORY COMMENTS | DATE |
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| 1 | | 04/12/16 |

DESIGNED BY: HCP
 CHECKED BY: HCP/MAP
 DRAWN BY: HCP

SITE PLAN

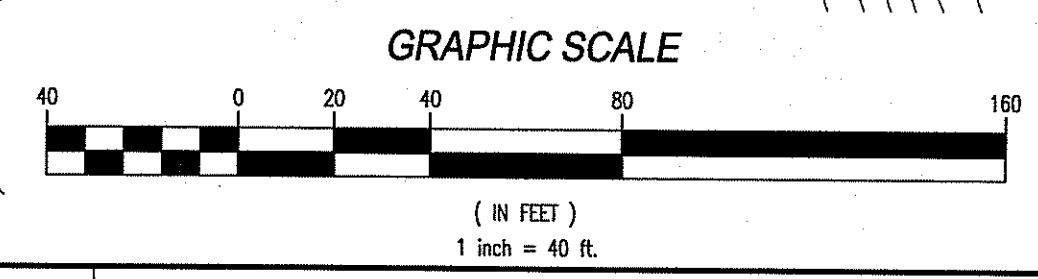
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CUMBERLAND WATER DEPARTMENT
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 CUMBERLAND, RHODE ISLAND

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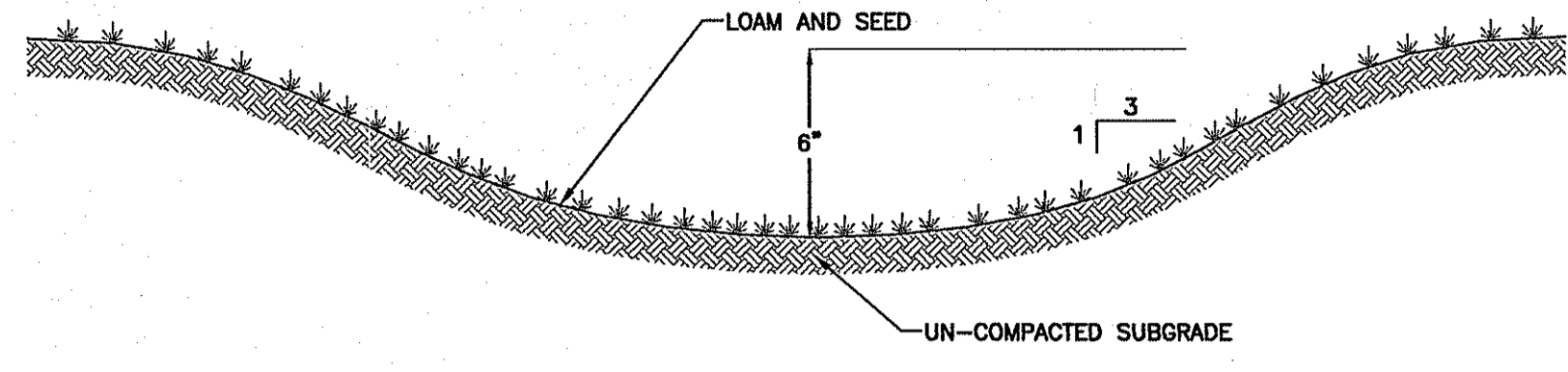
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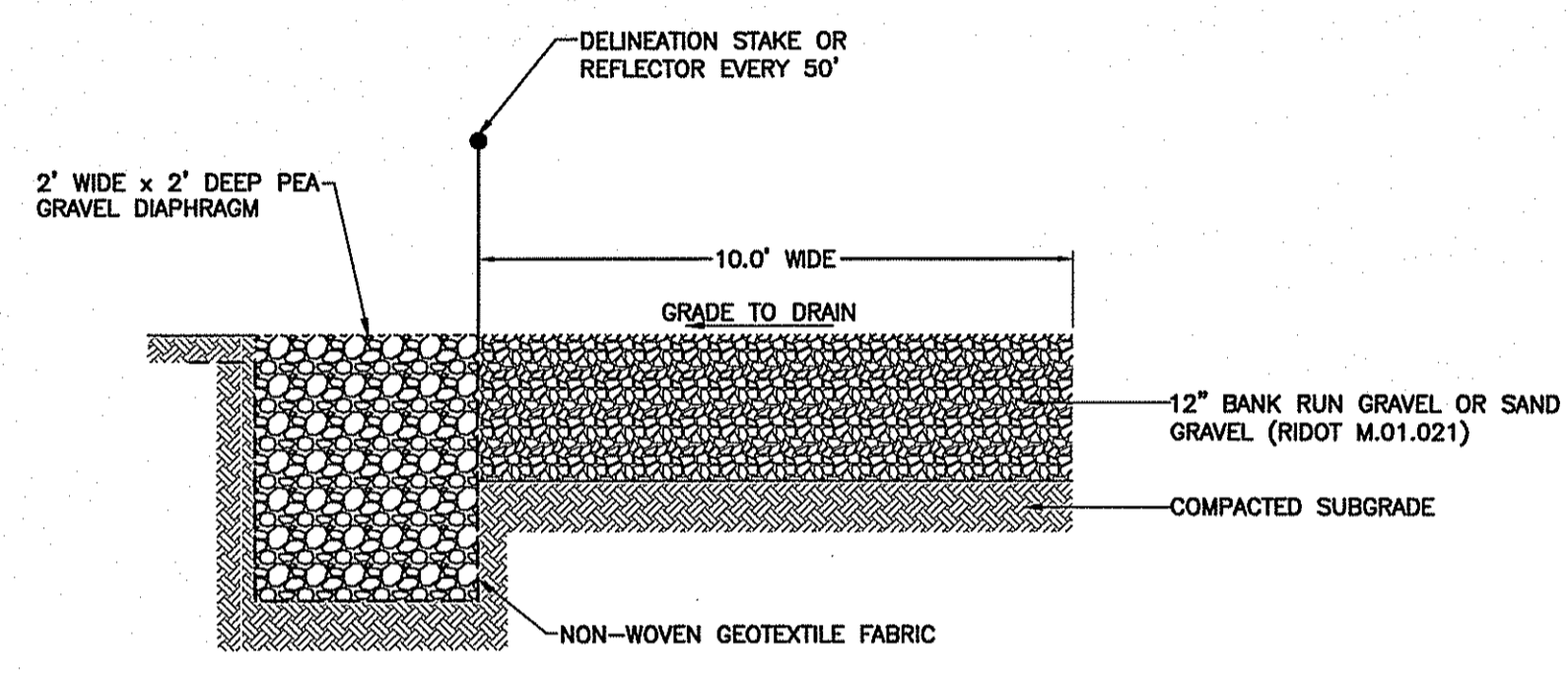
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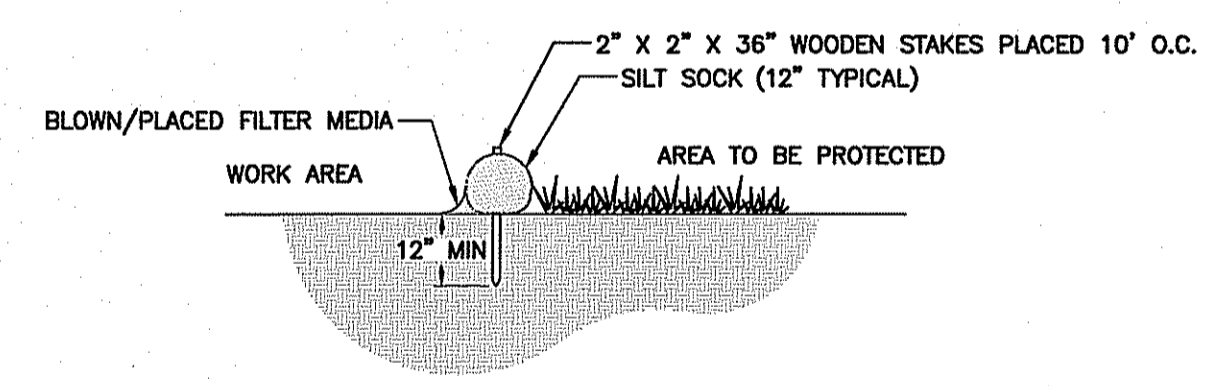
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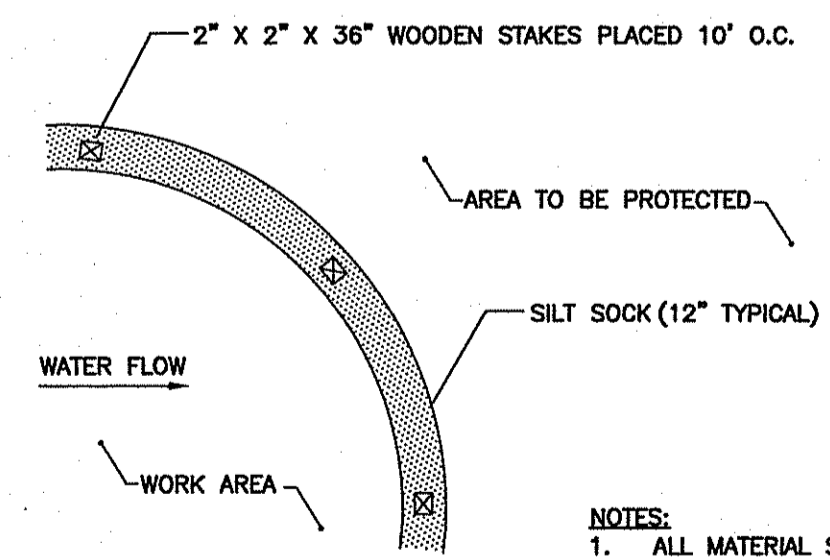
RETENTION BASIN
NOT TO SCALE



GRAVEL ACCESS DRIVE SECTION
NOT TO SCALE



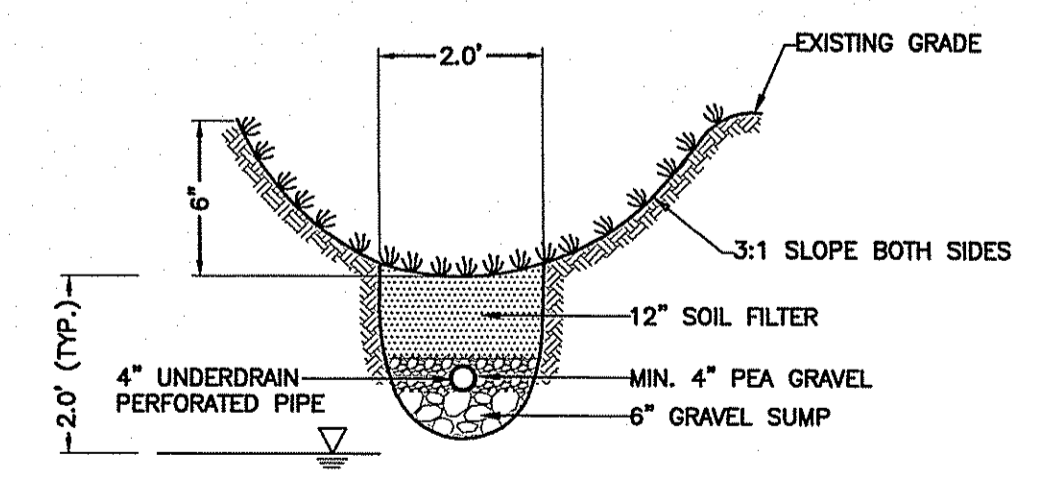
SECTION



PLAN

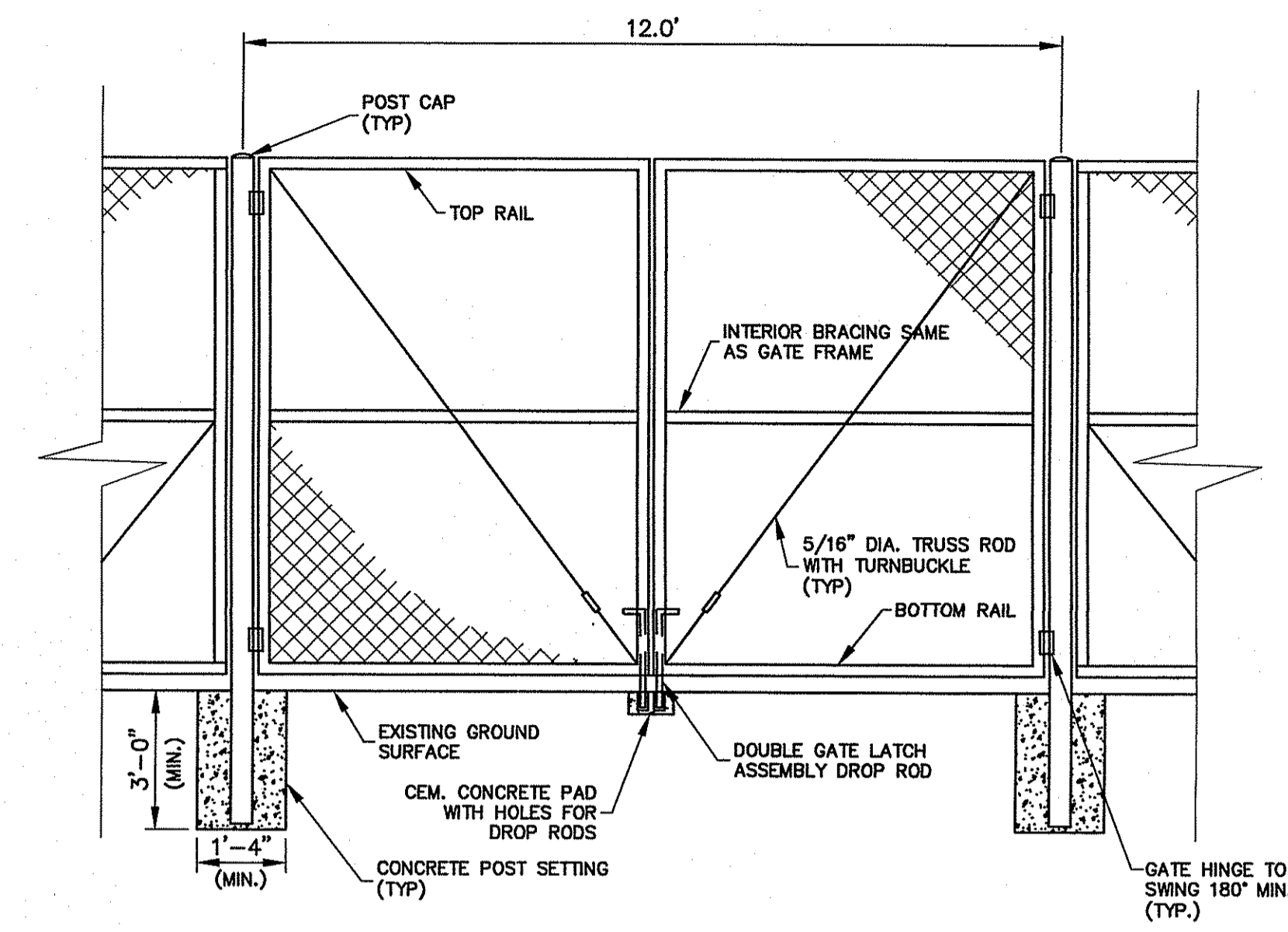
SILT SOCK SEDIMENT CONTROL
NOT TO SCALE

- NOTES:**
1. ALL MATERIAL SHALL MEET MANUFACTURER'S SPECIFICATIONS.
 2. FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
 3. COMPOST MATERIAL TO BE DISPersed ON SITE, AS APPROVED BY ENGINEER.

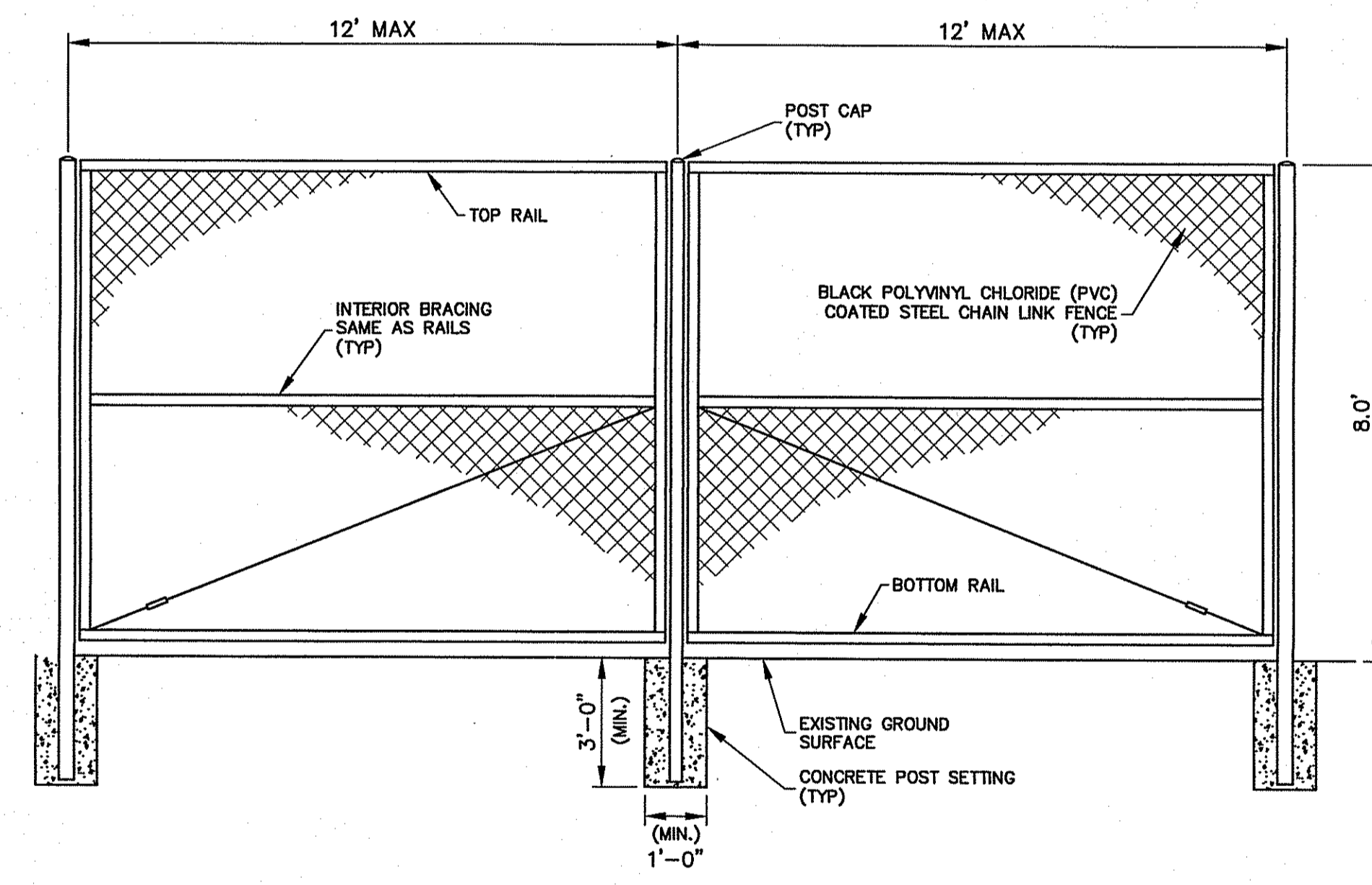


DRY SWALE DETAIL
NOT TO SCALE

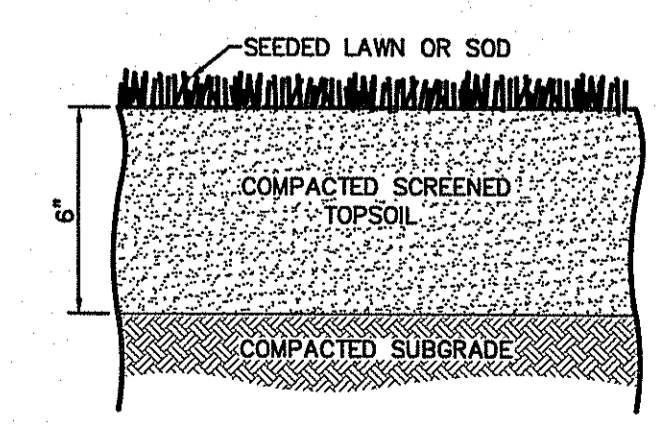
- NOTES:**
1. GRASS SURFACE SHALL MEET THE RHODE ISLAND STORMWATER MANUAL SPECIFICATIONS FOR OPEN CHANNELS.
 2. SOIL FILTER MEDIA SHALL MEET THE RHODE ISLAND STORMWATER MANUAL SPECIFICATIONS FOR BIORETENTION SOIL.



DOUBLE SWING GATE
NOT TO SCALE



TYPICAL CHAIN LINK FENCE
NOT TO SCALE



LOAM AND SEED DETAIL
NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESH-WATER WETLANDS PERMIT
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF
 DATED **JUN 7 2016** FILE # **15-077**
 NO CHANGES ALLOWED WITHOUT FORMAL
 APPROVED PLANS MUST BE APPROVED BY THE
Charles A. Hart

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ROBERT S. LITTLE
 No. 10169
 REGISTERED PROFESSIONAL ENGINEER
 State of Rhode Island

| REV | REGULATORY COMMENTS | DESCRIPTION | DATE |
|-----|---------------------|-------------|----------|
| 1 | REGULATORY COMMENTS | | 04/12/16 |

CHECKED BY: HCP/AMAP
 DESIGNED BY: HCP
 DRAWN BY: HCP
 2/28/2016-29-C-300-DET.dwg

SITE DETAILS

CUMBERLAND WATER DEPARTMENT
 FRANKLIN FARM
 CUMBERLAND, RHODE ISLAND
WETLAND PERMIT APPLICATION

JOB NO.: 212636-29
 DATE: FEBRUARY 2016
 SCALE: AS SHOWN
 SHEET: 5 OF 5

C-300

FOR PERMITTING PURPOSES ONLY - NOT FOR CONSTRUCTION