

# TOWN OF CUMBERLAND 45 BROAD STREET CUMBERLAND RHODE ISLAND 02864

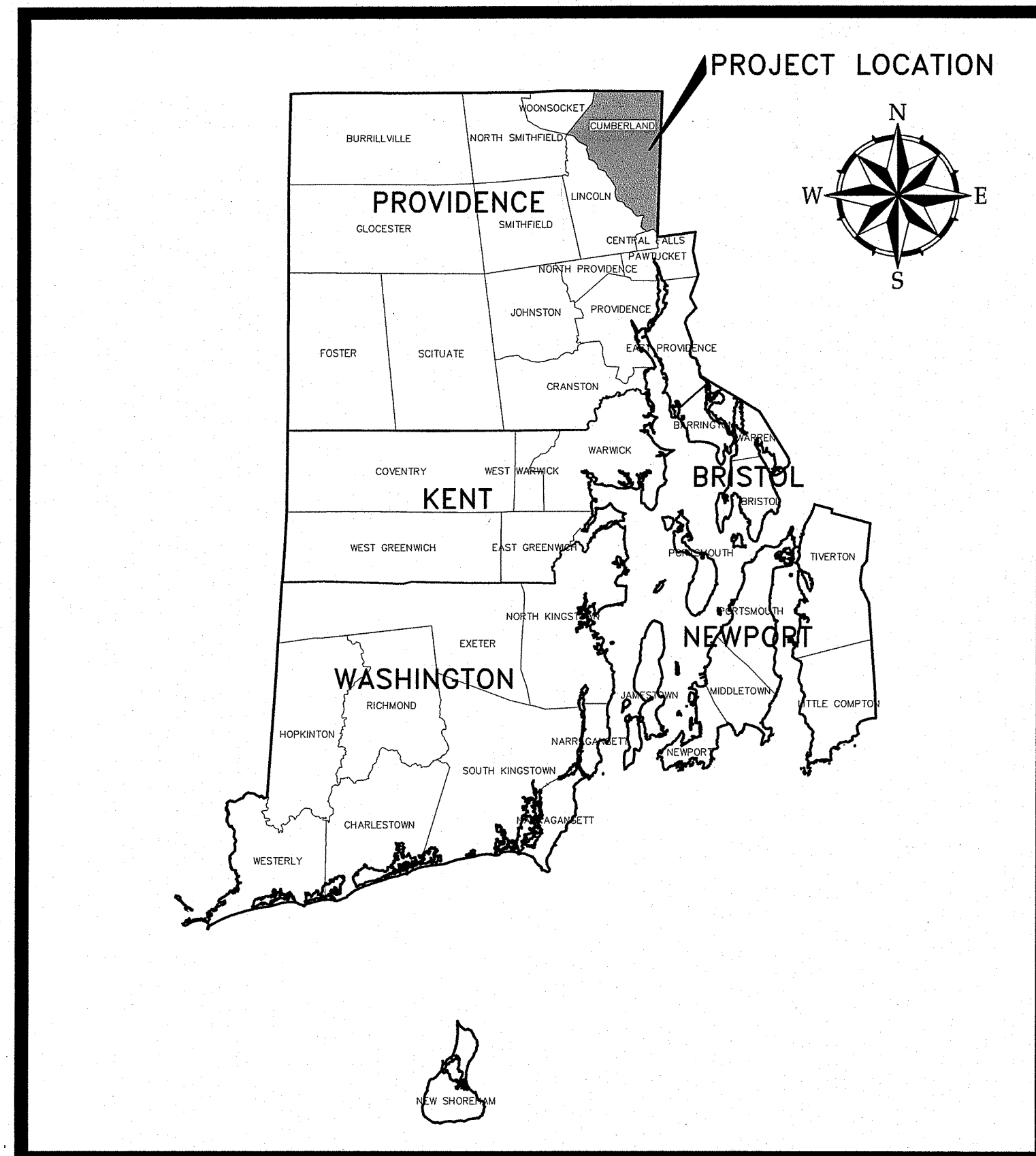
Environmental Management  
DEC - 2 2019  
Office of Water Resources

## FRANKLIN FARM WELL FACILITY

PROJECT NO. 231096.00

NOVEMBER 2019

PERMITTING REVIEW SET -  
NOT FOR CONSTRUCTION



PROJECT LOCATION MAP

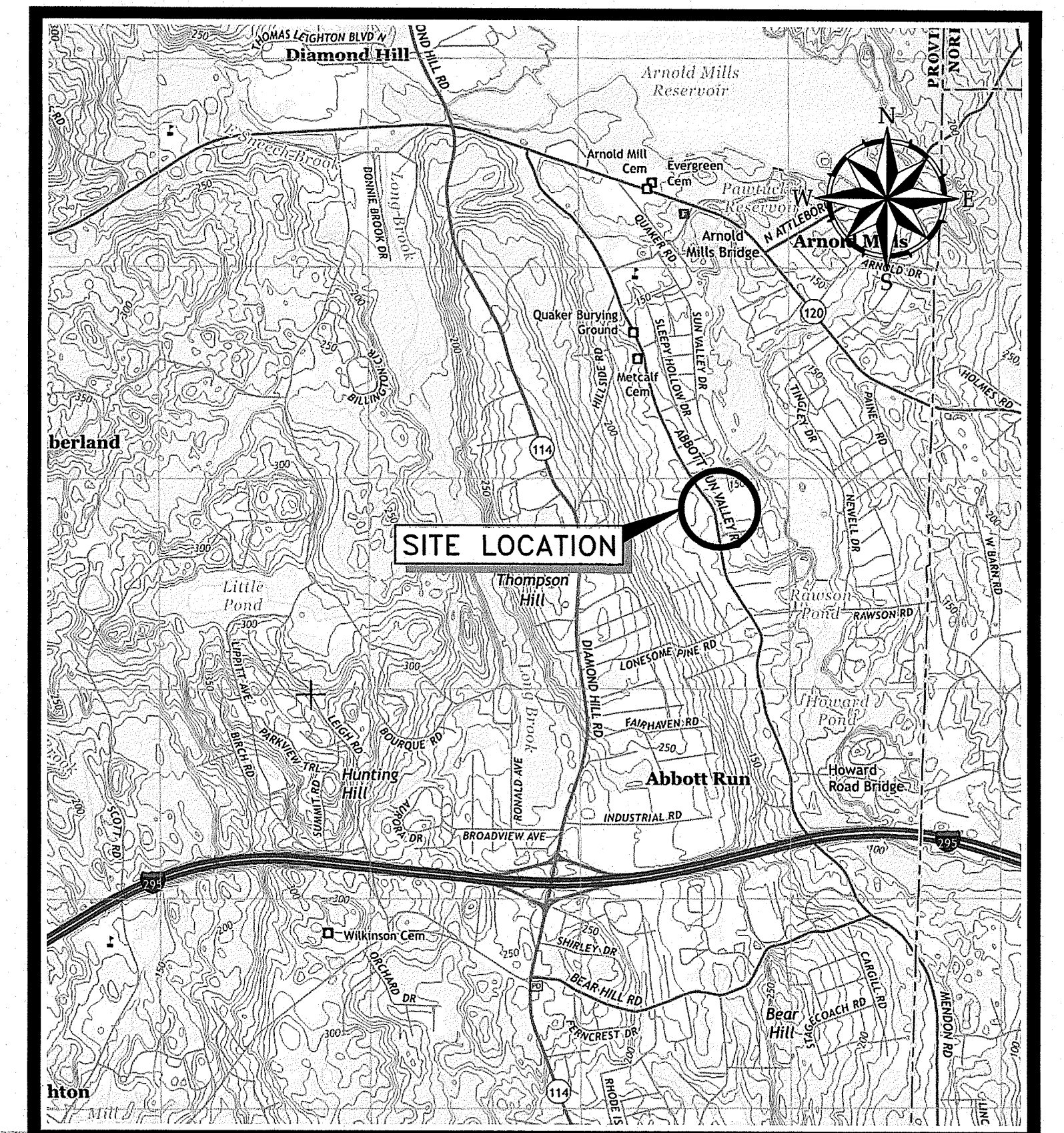
50 0 50 100  
scale mile

ROBERT S. LITTLE  
No. 10169  
REGISTERED  
PROFESSIONAL ENGINEER  
CIVIL

**WOODARD  
& CURRAN**

33 Broad Street Floor 7  
Providence, Rhode Island 02903  
800.985.7897 | [www.woodardcurran.com](http://www.woodardcurran.com)

COMMITMENT & INTEGRITY DRIVE RESULTS



SITE LOCATION MAP

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESH WATER WELLS DIVISION  
APPROVED FOR PERMITTING REVIEW  
AS SPECIFIED IN THE STATE OF RHODE ISLAND  
DEC 3 0 2019  
DATED: FILE # 18-0300  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

2000 0 2000 4000  
scale feet

\\woodardcurran.net\sharea\Projects\0231096.00 Cumberland-Franklin Farm Wells\Facility Drawings\General\23109600-C-000.dwg, Nov 11, 2019 - 10:02am



UTILITY NOTES:

- 1. 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.

SEDIMENTATION & EROSION CONTROL NOTES:

- 1. 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.

EXISTING CONDITIONS NOTES:

- 1. EXISTING CONDITIONS SURVEY BASED UPON ELECTRONIC CAD PLAN PROVIDED BY NATIONAL SURVEYORS-DEVELOPERS INC. IN DECEMBER 2014, APRIL 2018 AND AUGUST 2019.

CONSTRUCTION NOTES:

- 1. 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.

ABBREVIATIONS

Table with columns for abbreviations and their corresponding descriptions, including terms like ANCHOR BOLTS, HORIZONTAL, and SANITARY SEWER.

CIVIL SYMBOLS

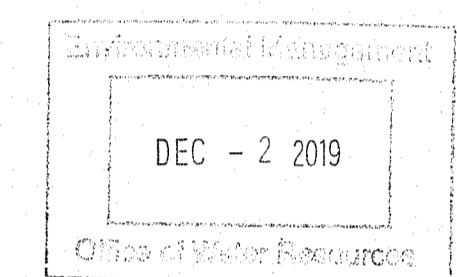
Table showing civil symbols for existing and proposed conditions, such as SANITARY SEWER MANHOLE, CATCH BASIN, and UNDERGROUND ELECTRIC.

EXISTING LINETYPES

Table of existing linetypes for various utilities like SANITARY SEWER, FORCE MAIN, and UNDERGROUND ELECTRIC.

PROPOSED LINETYPES

Table of proposed linetypes for various utilities like SANITARY SEWER, FORCE MAIN, and UNDERGROUND ELECTRIC.



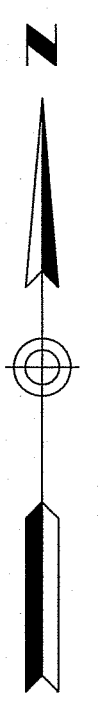
Revision table with columns for revision number, description, date, and reviewer.

CIVIL NOTES, LEGEND AND ABBREVIATIONS

TOWN OF CUMBERLAND, 45 BROAD STREET, CUMBERLAND, RHODE ISLAND 02864

JOB NO.: 231096.00, DATE: NOVEMBER 2019, SCALE: AS NOTED, SHEET: 3 of 11, C-001

PERMITTING REVIEW SET - NOT FOR CONSTRUCTION



A

B

C

D

A

B

C

D

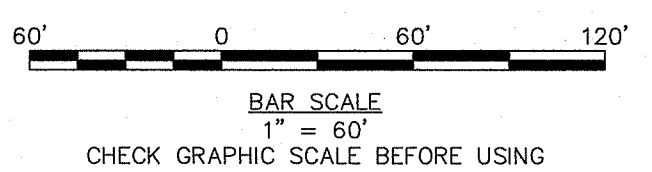


Environmental Management  
 DEC - 2 2019  
 Office of Water Resources

RAWSON POND  
 WATER ELEV. 114.2 ±

RAWSON POND  
 WATER ELEV. 114.2 ±

RAWSON POND  
 WATER ELEV. 114.2 ±



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**WOODARD & CURRAN**

COMMITMENT & INTEGRITY DRIVE RESULTS

THE PROFESSIONAL SEAL OF A REGISTERED PROFESSIONAL ENGINEER IS REQUIRED FOR THIS PROJECT. ANY REVISIONS TO THIS PLAN MUST BE APPROVED BY THE ENGINEER. THIS PROJECT IS NOT TO BE CONSTRUCTED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

ROBERT S. LITTLE  
 No. 10168  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL

REV	DESCRIPTION	DATE
B	ISSUE FOR RIBOCH REVIEW	12/16/2019
A	ISSUE FOR RIBOCH REVIEW	09/29/2019

DESIGNED BY: AEF  
 CHECKED BY: RSL  
 DRAWN BY: JDE  
 23109600-C-100.dwg

**EXISTING CONDITIONS**

TOWN OF CUMBERLAND  
 45 BROAD STREET  
 CUMBERLAND, RHODE ISLAND 02864

**FRANKLIN FARM WELL FACILITY**

JOB NO.: 231096.00  
 DATE: NOVEMBER 2019  
 SCALE: 1"=60'  
 SHEET: 4 of 11  
**C-100**

PERMITTING REVIEW SET - NOT FOR CONSTRUCTION

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF PERMITTING AND REGULATORY SERVICES  
 100 WATER STREET, SUITE 1000, PROVIDENCE, RI 02903  
 DEC 3 0 2019  
 18-0360  
 Nancy L. Freeman

\\woodardcurran.net\shared\Projects\231096.00 Cumberland-Franklin and Schofield Farm Wells.wp\Franklin Farm Wells\23109600-C-100.dwg, Nov 11, 2019 10:02am

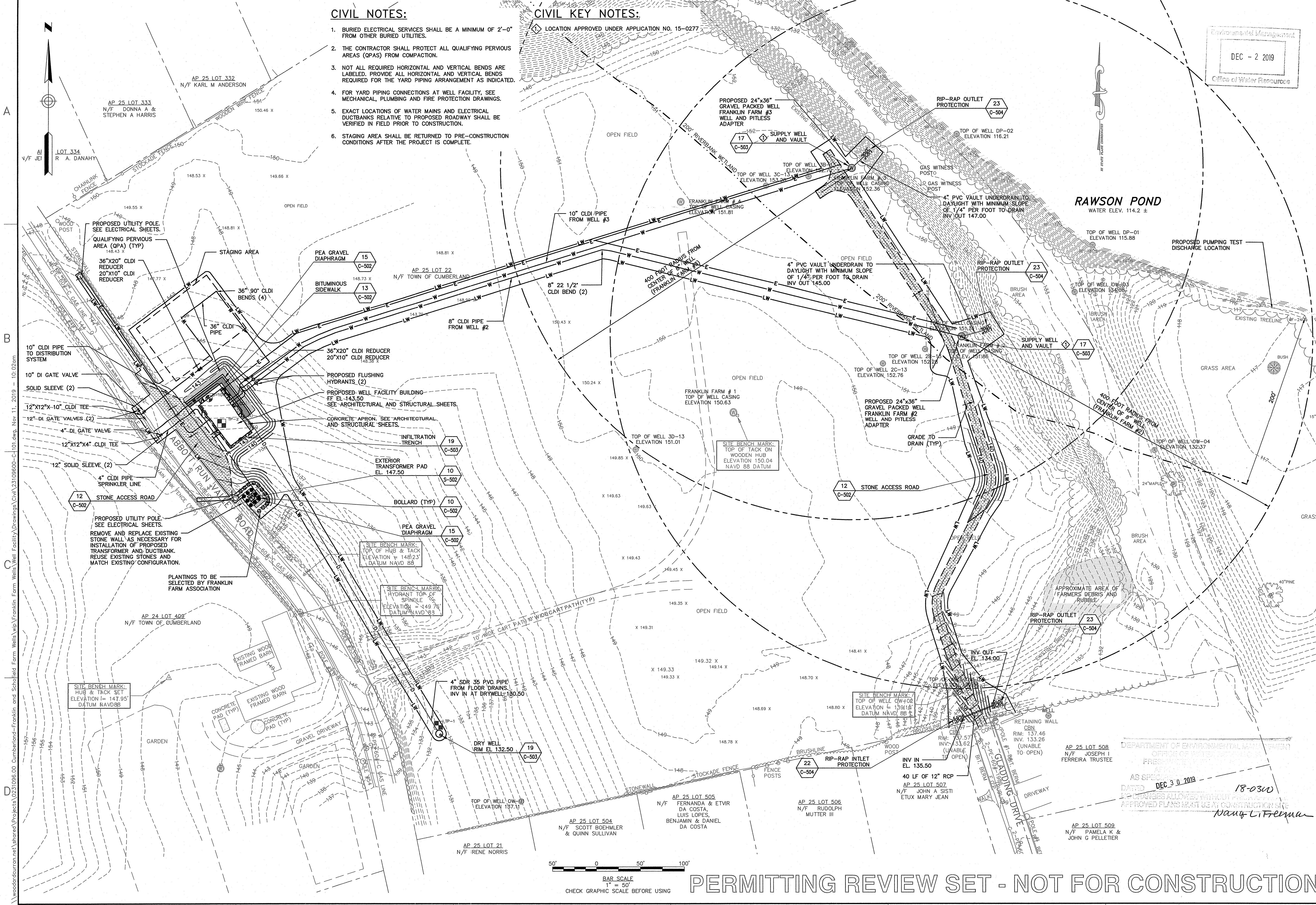


CIVIL NOTES:

1. BURIED ELECTRICAL SERVICES SHALL BE A MINIMUM OF 2'-0" FROM OTHER BURIED UTILITIES.
2. THE CONTRACTOR SHALL PROTECT ALL QUALIFYING PERVIOUS AREAS (OPAS) FROM COMPACTION.
3. NOT ALL REQUIRED HORIZONTAL AND VERTICAL BENDS ARE LABELED, PROVIDE ALL HORIZONTAL AND VERTICAL BENDS REQUIRED FOR THE YARD PIPING ARRANGEMENT AS INDICATED.
4. FOR YARD PIPING CONNECTIONS AT WELL FACILITY, SEE MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS.
5. EXACT LOCATIONS OF WATER MAINS AND ELECTRICAL DUCTBANKS RELATIVE TO PROPOSED ROADWAY SHALL BE VERIFIED IN FIELD PRIOR TO CONSTRUCTION.
6. STAGING AREA SHALL BE RETURNED TO PRE-CONSTRUCTION CONDITIONS AFTER THE PROJECT IS COMPLETE.

CIVIL KEY NOTES:

LOCATION APPROVED UNDER APPLICATION NO. 15-0277



Environmental Management  
 DEC - 2 2019  
 Office of Water Resources

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ROBERT S. LITTLE  
 No. 10169  
 REGISTERED PROFESSIONAL ENGINEER

REV.	DESCRIPTION	CHECKED BY: RSL	DATE
B	ISSUE FOR BIDDING REVIEW		12/6/2019
A	ISSUE FOR PERM REVIEW		10/20/2019
DESIGNED BY: AEF			
DRAWN BY: JDE			

OVERALL SITE, GRADING AND YARD PIPING PLAN

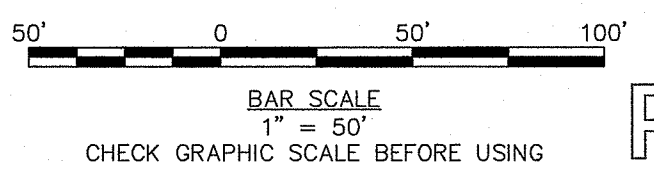
TOWN OF CUMBERLAND  
 45 BROAD STREET  
 CUMBERLAND, RHODE ISLAND 02864

FRANKLIN FARM  
 WELL FACILITY

JOB NO.: 231096.00  
 DATE: NOVEMBER 2019  
 SCALE: 1"=50'  
 SHEET: 6 of 11  
**C-101**

PERMITTING REVIEW SET - NOT FOR CONSTRUCTION

\woodardcurran.net\shared\Projects\0231096.00 Cumberland-Franklin and Schofield Farm Wells Wp\Franklin Farm Well Facility\Drawings\Civil\23109600-C-101.dwg, Nov 11, 2019, 10:02am



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER DIVISION  
 AS SPECIFIED BY PERMITS  
 DATED DEC 3 0 2019  
 18-0310  
 ANY CHANGES ALLOWED WITHOUT PERMITTING REVIEW  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
 Nanq L. Freeman

**CIVIL NOTES:**

1. BURIED ELECTRICAL SERVICES SHALL BE A MINIMUM OF 2'-0" FROM OTHER BURIED UTILITIES.
2. THE CONTRACTOR SHALL PROTECT ALL QUALIFYING PERVIOUS AREAS (QPAS) FROM COMPACTION.
3. NOT ALL REQUIRED HORIZONTAL AND VERTICAL BENDS ARE LABELED. PROVIDE ALL HORIZONTAL AND VERTICAL BENDS REQUIRED FOR THE YARD PIPING ARRANGEMENT AS INDICATED.
4. FOR YARD PIPING CONNECTIONS AT WELL FACILITY, SEE MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS.
5. EXACT LOCATIONS OF WATER MAINS AND ELECTRICAL DUCTBANKS RELATIVE TO PROPOSED ROADWAY SHALL BE VERIFIED IN FIELD PRIOR TO CONSTRUCTION.

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**ROBERT S. LITTLE**  
 No. 10769  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL

REV	DESCRIPTION	DATE
B	ISSUE FOR RIBBON REVIEW	12/16/2019
A	ISSUE FOR RIBBON REVIEW	09/29/2019

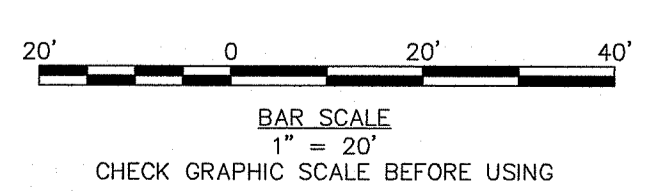
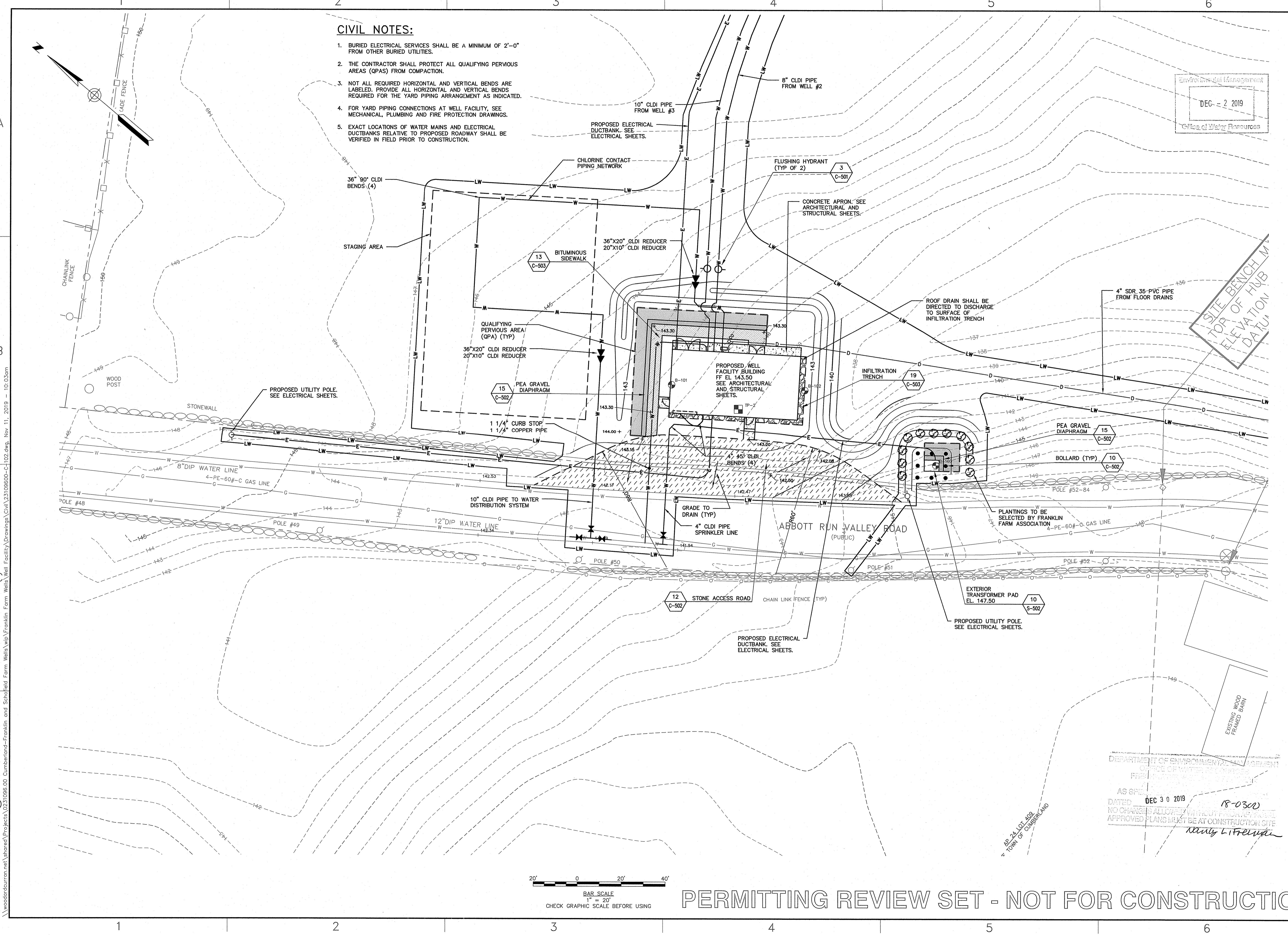
DESIGNED BY: AEF  
 CHECKED BY: RSL  
 DRAWN BY: JDE  
 2/10/2019 C-102.049

**WELL FACILITY SITE, GRADING AND YARD PIPING ENLARGED PLAN**

TOWN OF CUMBERLAND  
 45 BROAD STREET  
 CUMBERLAND, RHODE ISLAND 02864

FRANKLIN FARM  
 WELL FACILITY

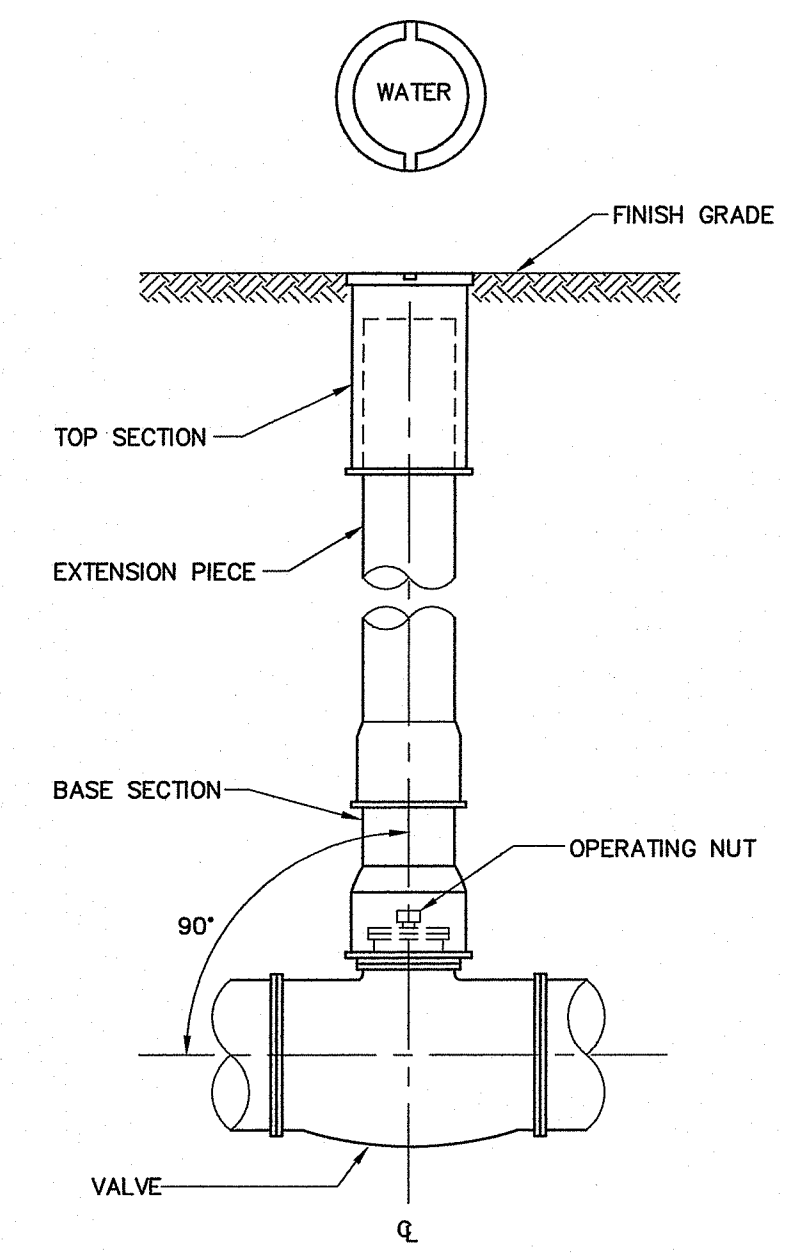
JOB NO.: 231096.00  
 DATE: NOVEMBER 2019  
 SCALE: 1"=20'  
 SHEET: 10 OF 11  
**C-102**



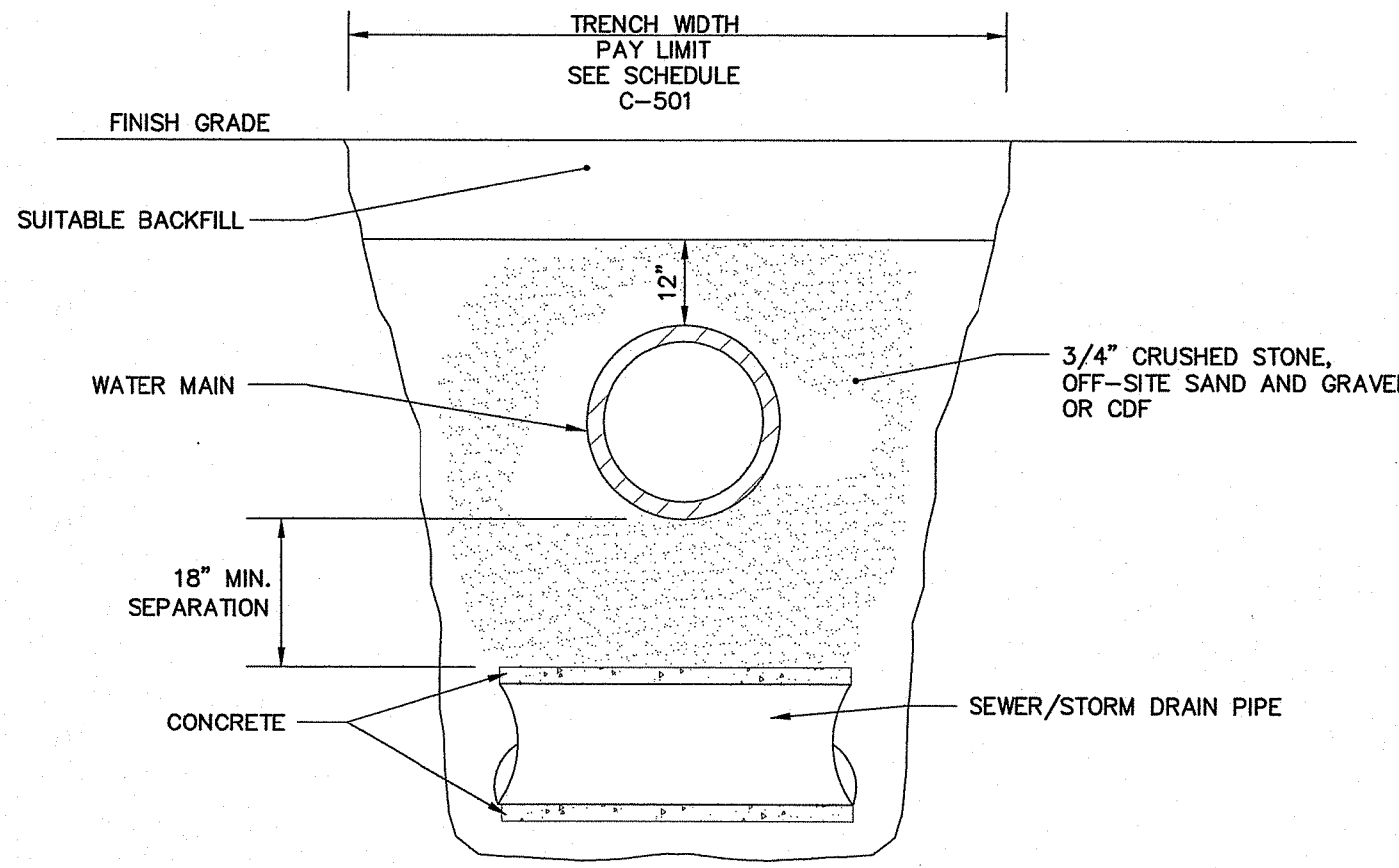
**PERMITTING REVIEW SET - NOT FOR CONSTRUCTION**

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 18-0300  
 DATED DEC 3 0 2019  
 AS SPECIFIED  
 NO CHANGES ALLOWED WITHOUT PROPER PERMIT  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*Neely L. Felver*

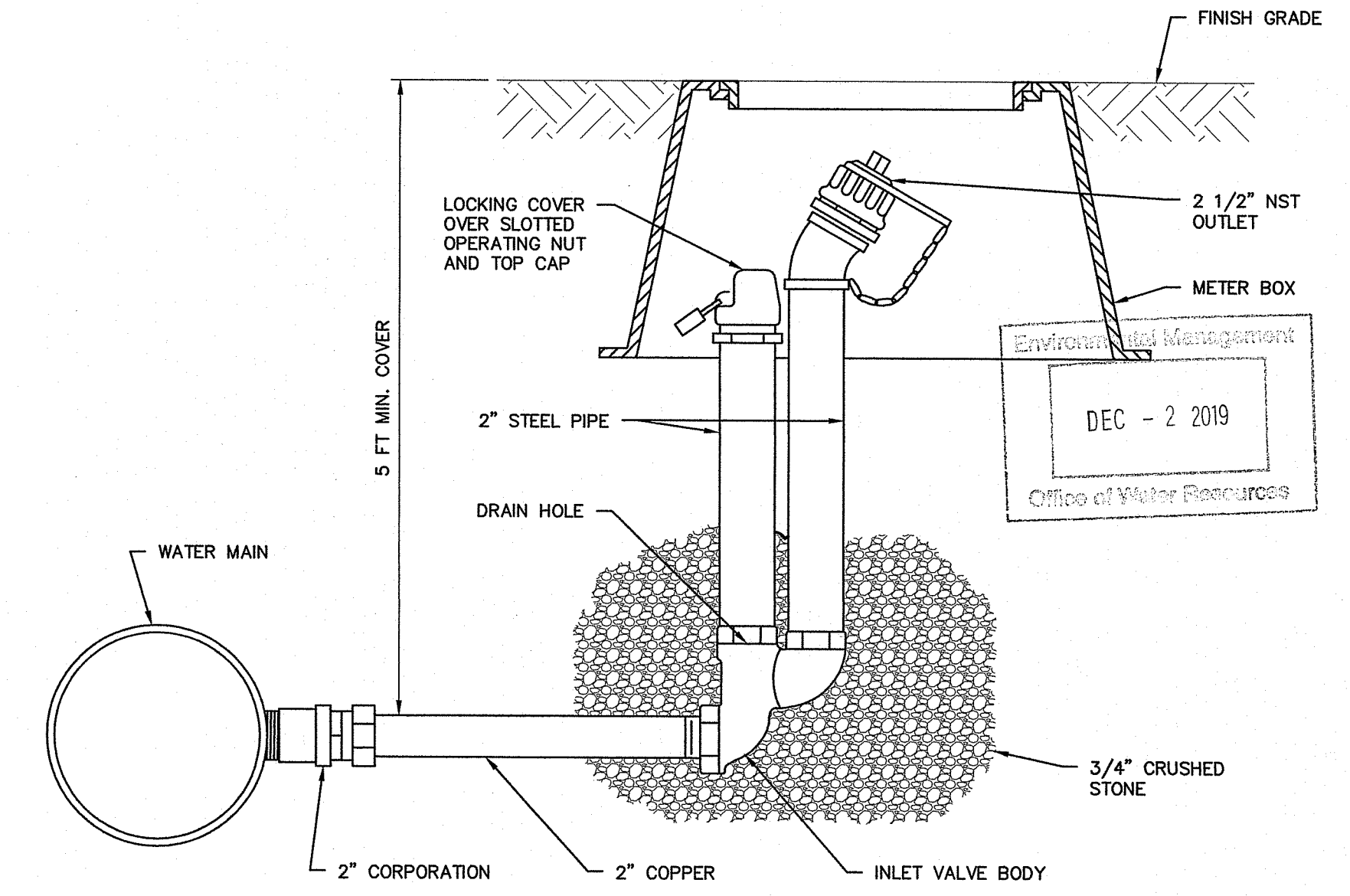
woodardcurran.net\shared\Projects\20231096.00 Cumberland-Franklin and Schofield Farm Wells\wfa\Franklin Farm Wells\Civil\Drawings\C-102.dwg, Nov 11, 2019 - 10:03am



**1 VALVE WITH VALVE BOX**  
N.T.S.  
C-501

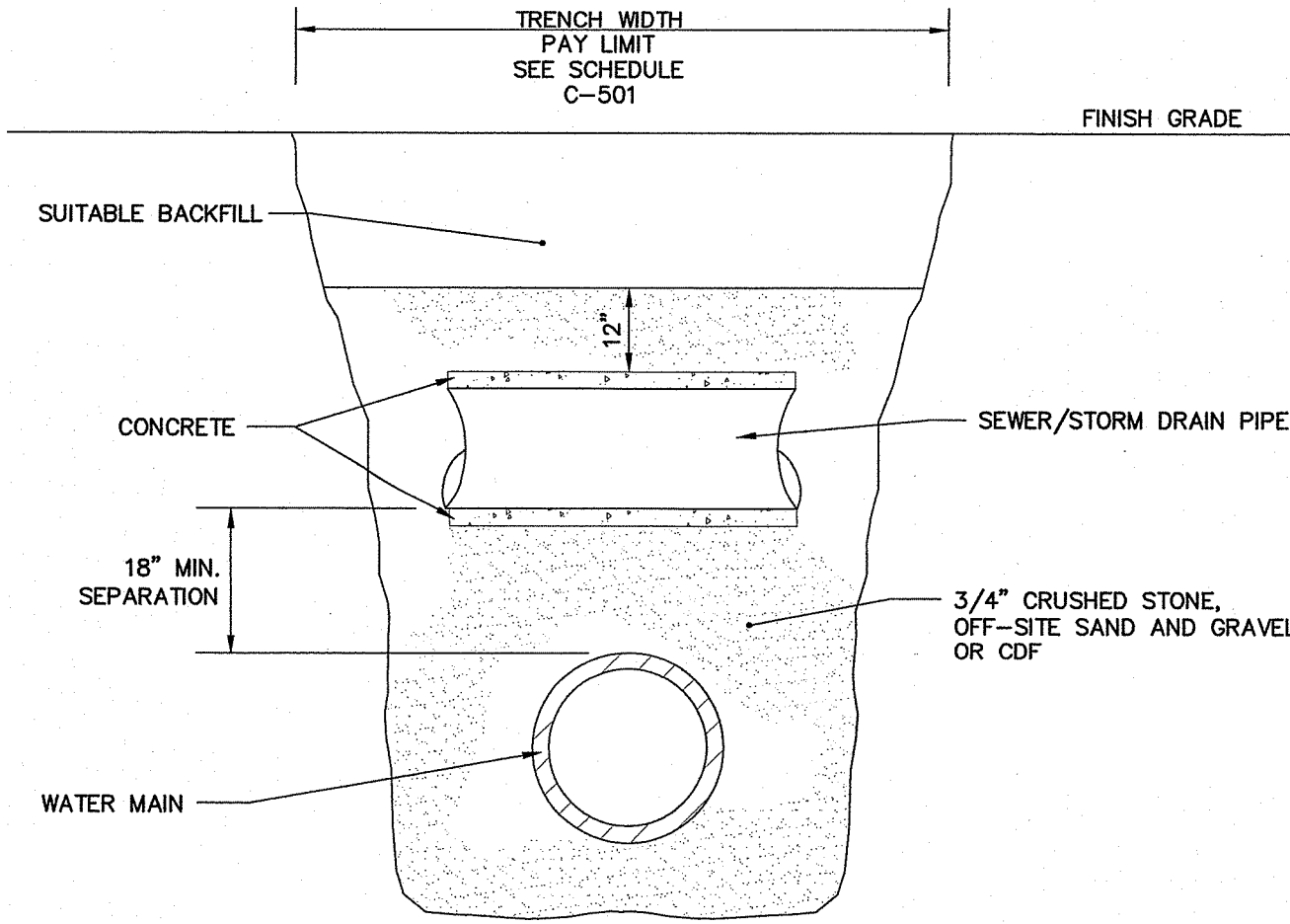


**2 TYPICAL UTILITY CROSSING TRENCH DETAIL 1**  
N.T.S.  
C-501

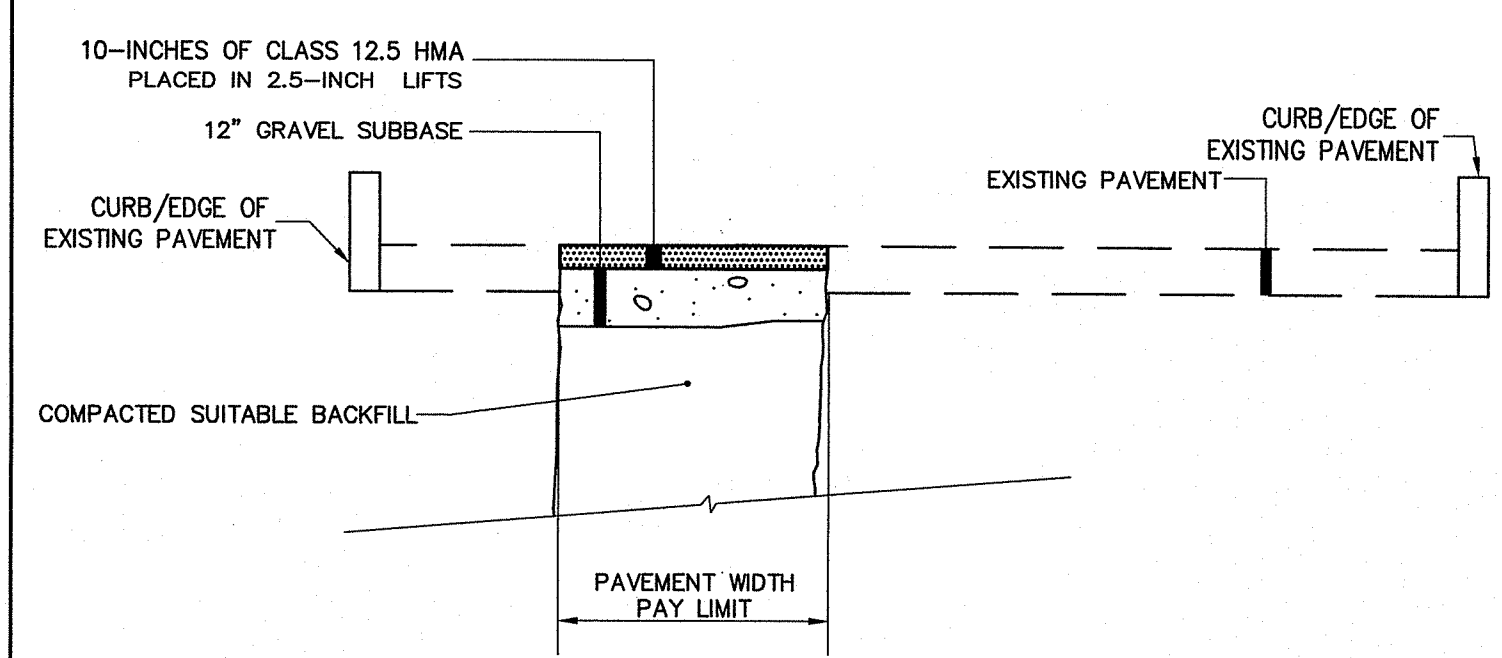


**3 FLUSHING HYDRANT**  
N.T.S.  
C-102

TRENCH, PAVEMENT & ROCK WIDTH PAY LIMITS					
TRENCH DEPTH	NOMINAL PIPE DIAMETER (D)	TRENCH WIDTH	TRENCH PAVEMENT	PERMANENT TOP PAVEMENT	ROCK EXCAVATION
<12'	LESS THAN 24"	4' - 0"	4' - 0"	6' - 0"	4' - 0"
<12'	24 TO 30"	5' - 0"	5' - 0"	7' - 0"	5' - 0"
<12'	GREATER THAN 30"	6' - 0"	6' - 0"	8' - 0"	6' - 0"
12' TO 16'	LESS THAN 24"	5' - 0"	5' - 0"	7' - 0"	5' - 0"
12' TO 16'	24 TO 30"	6' - 0"	6' - 0"	8' - 0"	6' - 0"
12' TO 16'	GREATER THAN 30"	7' - 0"	7' - 0"	9' - 0"	7' - 0"
>16'	LESS THAN 24"	6' - 0"	6' - 0"	8' - 0"	6' - 0"
>16'	24 TO 30"	7' - 0"	7' - 0"	9' - 0"	7' - 0"
>16'	GREATER THAN 30"	8' - 0"	8' - 0"	10' - 0"	8' - 0"

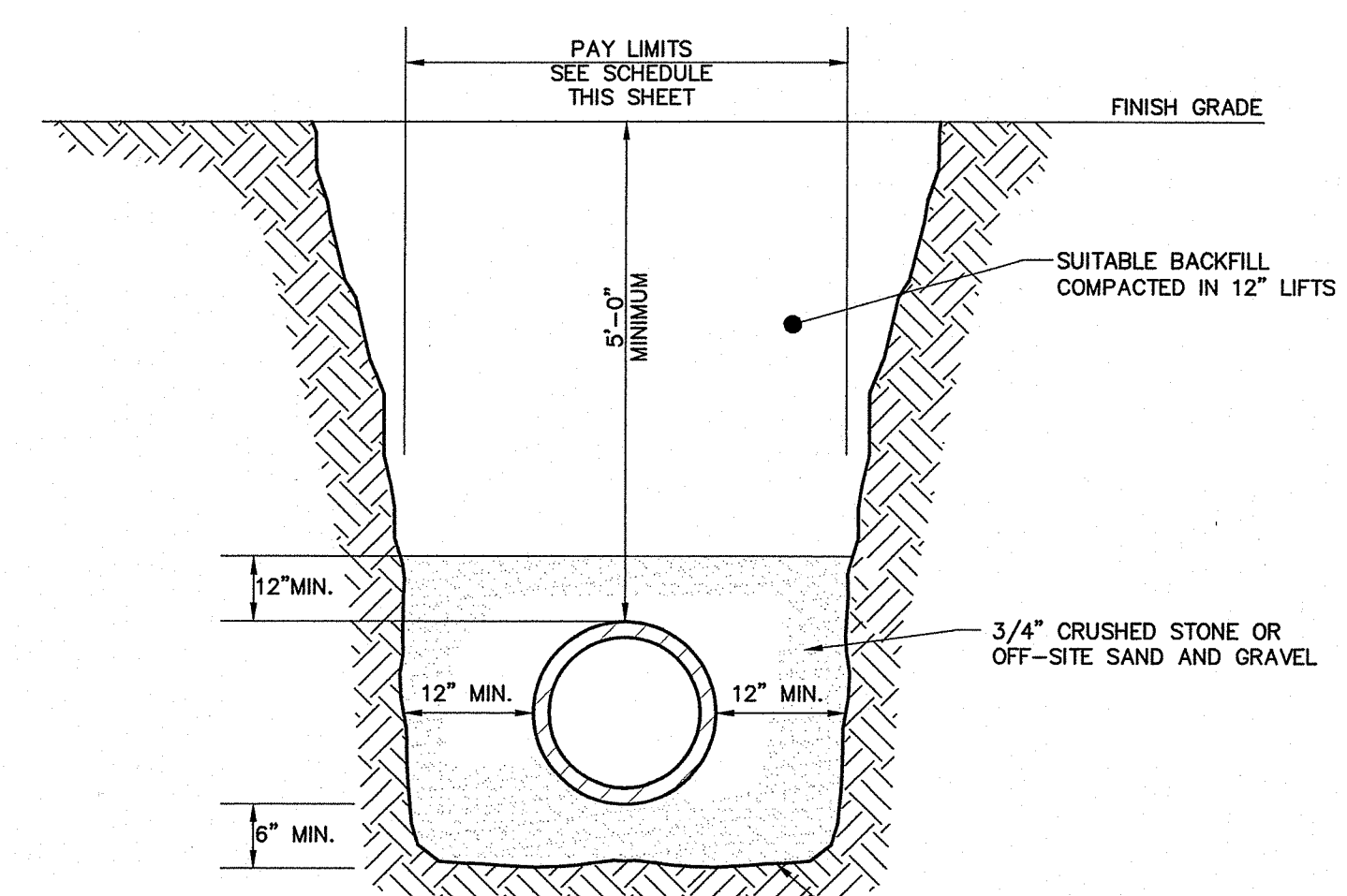


**4 TYPICAL UTILITY CROSSING TRENCH DETAIL 2**  
N.T.S.  
C-501

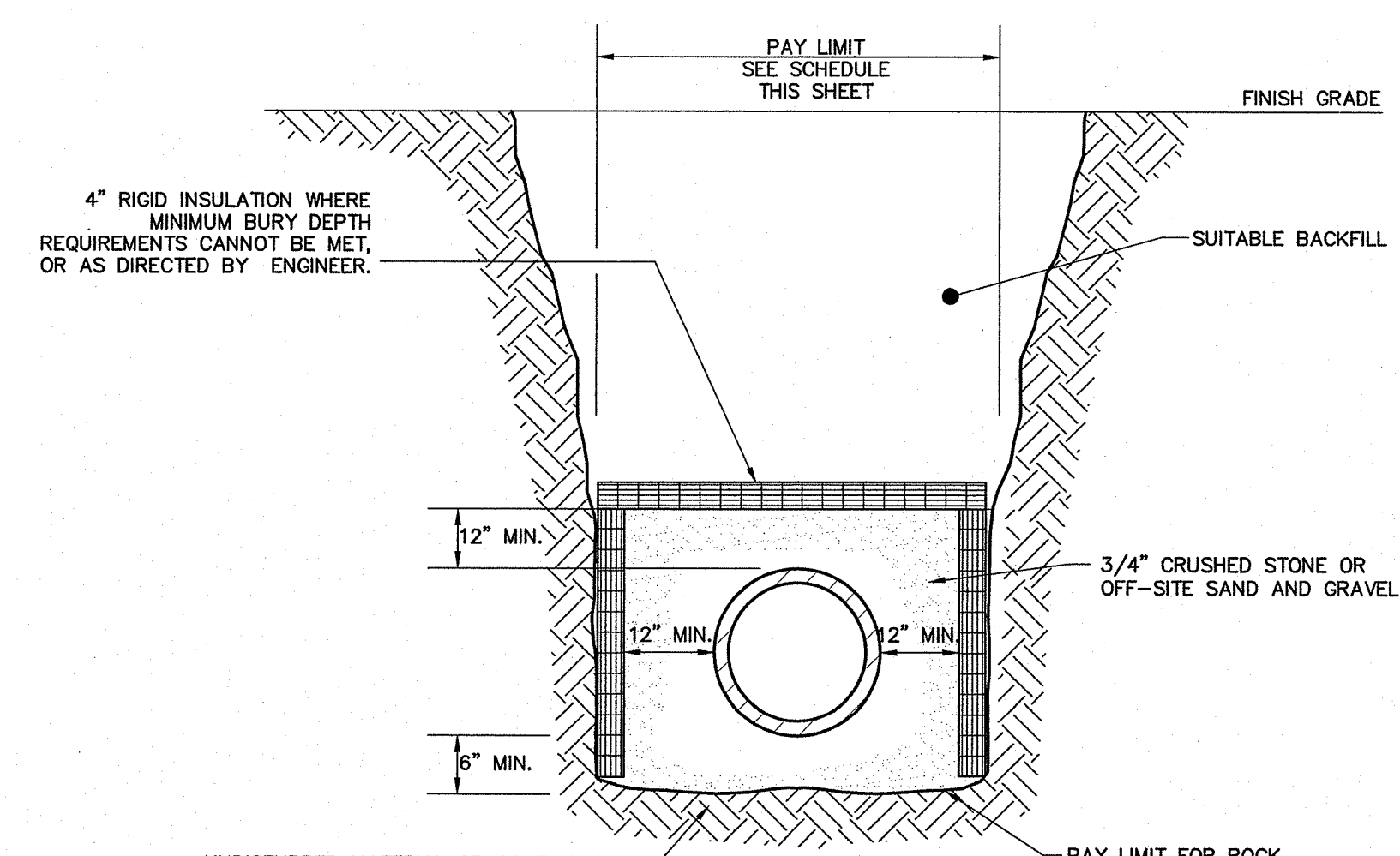


**NOTES:**  
1. TRENCHES WITHIN ABBOTT VALLEY RUN ROAD MUST BE PAVED WEEKLY. TRENCHES MAY BE BROUGHT TO TO GRADE WITH GRAVEL BORROW DAILY. MAINTAIN GRAVEL BORROW IN SMOOTH AND LEVEL CONDITION UNTIL PAVING.

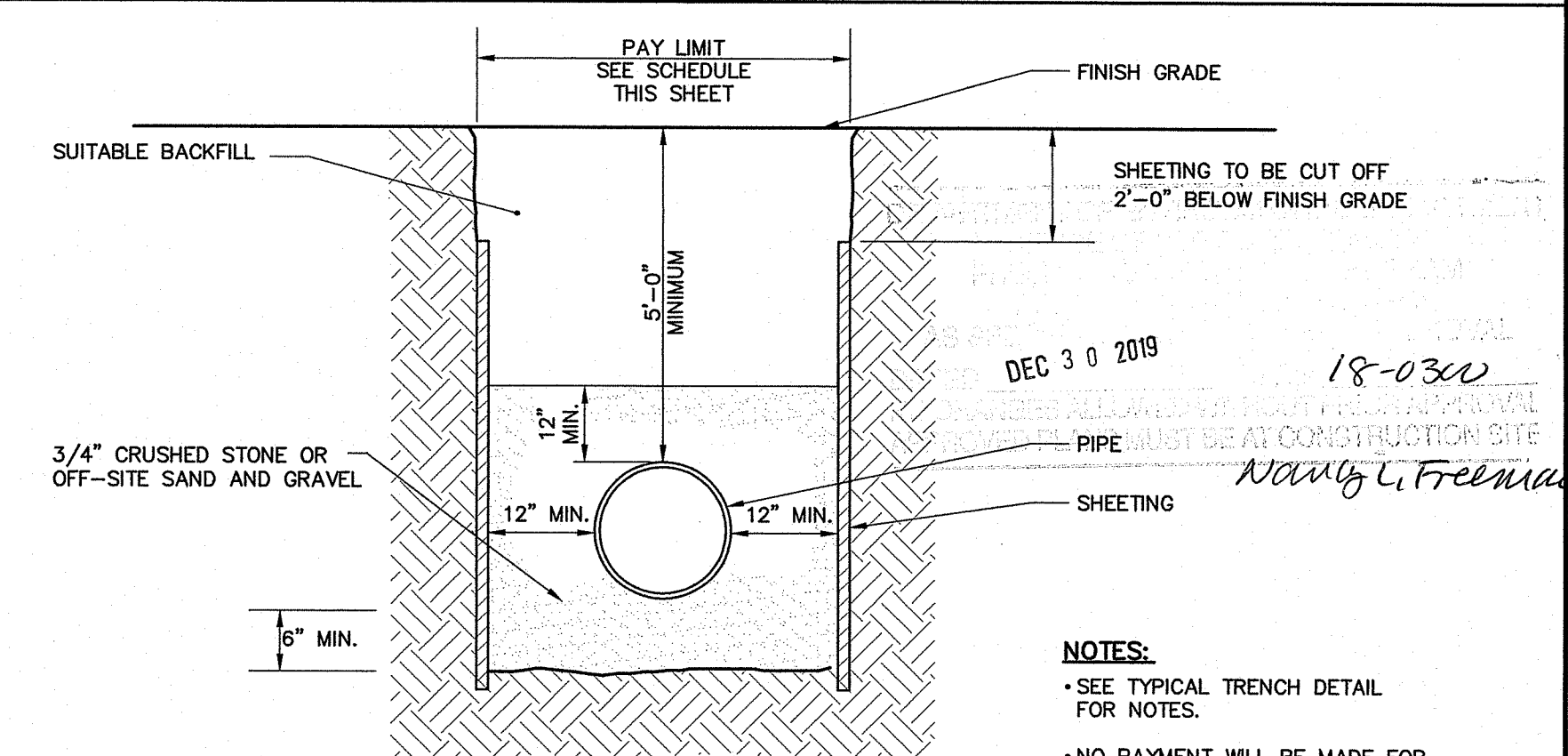
**5 TRENCH PAVEMENT SECTION**  
N.T.S.  
C-501



**6 TYPICAL WATER MAIN TRENCH**  
N.T.S.  
C-501



**7 TYPICAL TRENCH FOR PIPE INSULATION**  
N.T.S.  
C-501



**8 SHEETED TRENCH**  
N.T.S.  
C-501

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**ROBERT S. LITTLE**  
No. 10169  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL

REV	DESCRIPTION	DATE	CHECKED BY: RSL	DESIGNED BY: AEF	DRAWN BY: JDE
B	ISSUE FOR ROAD REVIEW	12/16/2019			
A	ISSUE FOR ROAD REVIEW	09/20/2019			

**CIVIL DETAILS - 1**

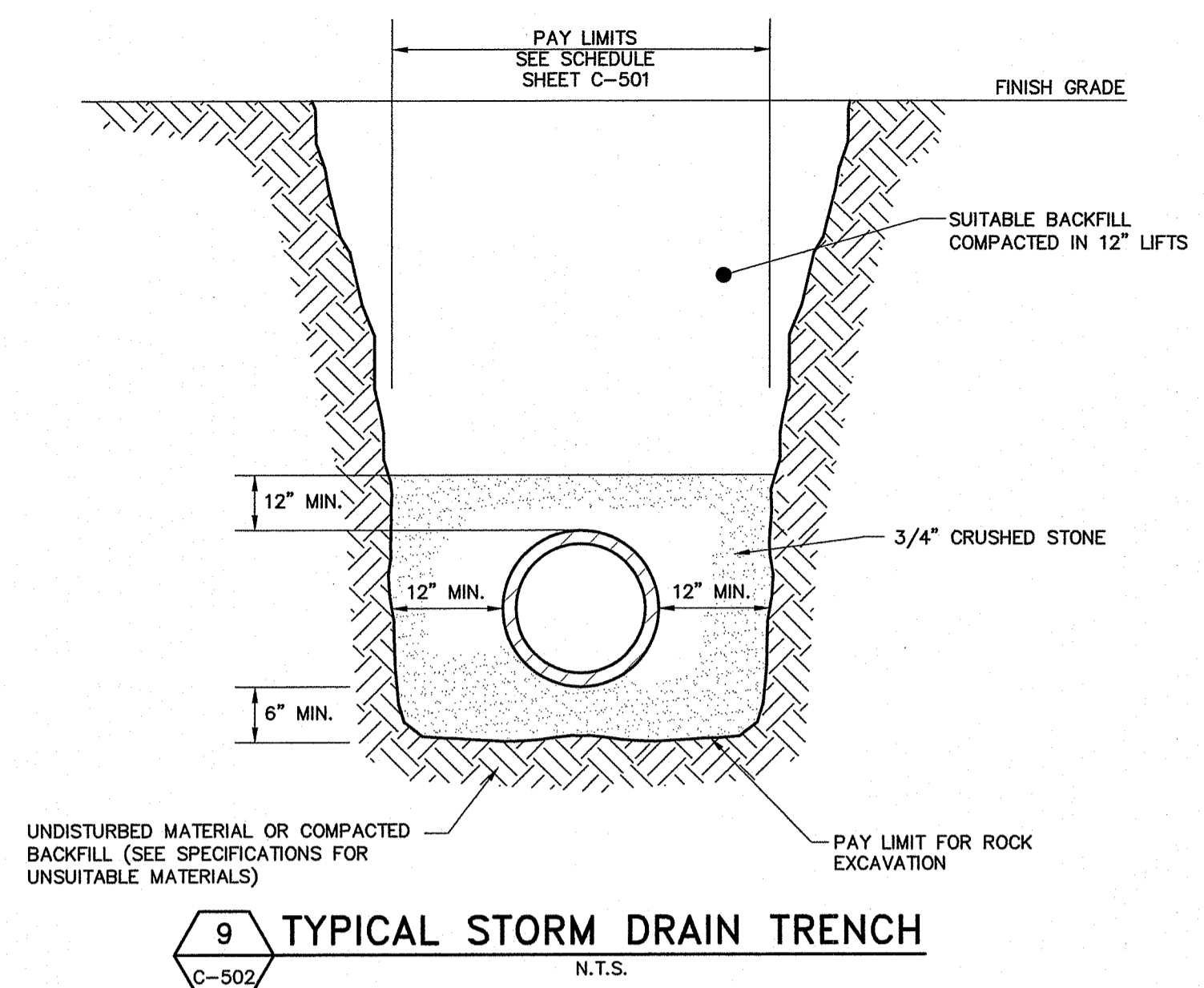
TOWN OF CUMBERLAND  
45 BROAD STREET  
CUMBERLAND, RHODE ISLAND 02864

**FRANKLIN FARM WELL FACILITY**

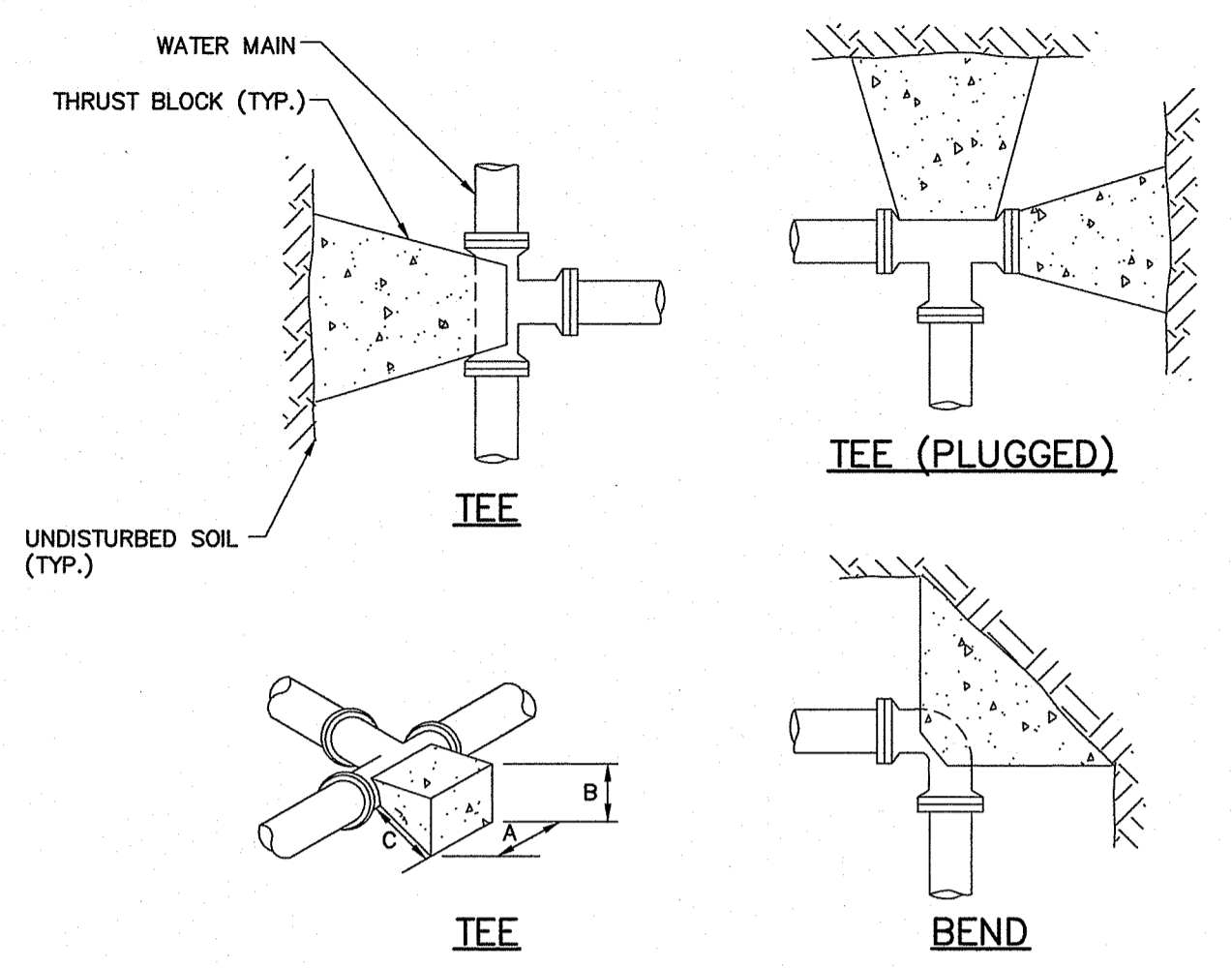
JOB NO.: 231096.00  
DATE: NOVEMBER 2019  
SCALE: AS NOTED  
SHEET: 7 of 11  
**C-501**

PERMITTING REVIEW SET - NOT FOR CONSTRUCTION

woodardcurran.net\shared\Projects\231096.00 Cumberland-Franklin Farm Wells Well Facility\Drawings\Civil\23109600-C-501-C-504.dwg, Nov. 11, 2019 - 10:03am



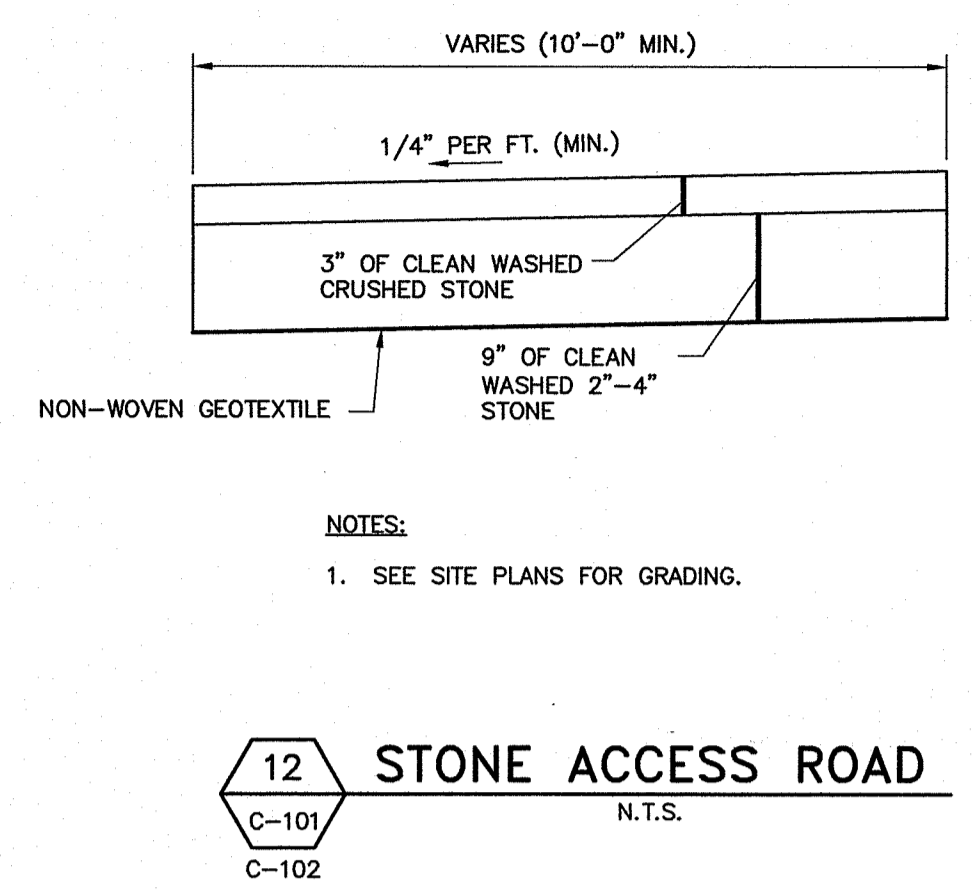
**9 TYPICAL STORM DRAIN TRENCH**  
N.T.S.



NOMINAL PIPE SIZE (INCHES)	MAXIMUM PIPE OD (INCHES)	REQUIRED BEARING AREA (SQ FT)					
		90 DEG	60 DEG	45 DEG	30 DEG	22.30 DEG	11.25 DEG
3	3.96	2.0	1.4	1.1	0.7	0.5	0.3
4	4.80	2.9	2.0	1.6	1.1	0.8	0.4
6	6.90	6	4	3	2.2	1.6	0.8
8	9.05	10	7	6	4	3	1.4
10	11.10	15	11	8	6	4	2.1
12	13.20	22	15	12	8	6	3
14	15.30	29	21	16	11	8	4
16	17.40	38	27	20	14	10	5
18	19.50	48	34	26	17	13	7
20	21.60	58	41	32	21	16	8
24	25.80	83	59	45	30	23	12
30	32.00	128	90	69	47	35	18
36	38.30	183	130	99	67	51	25

- NOTES:
1. MAXIMUM TEST PRESSURE = 1.5x150 PSI
  2. MINIMUM ALLOWABLE SOIL BEARING PRESSURE = 2000 PSF
  3. BEARING AREA = AxB
  4. C SHALL BE GREATER THAN A/2 AND B/2
  5. WRAP FITTINGS WITH POLYETHYLENE PRIOR TO CONSTRUCTING THRUST BLOCKS. NO JOINTS SHALL BE COVERED WITH CONCRETE.

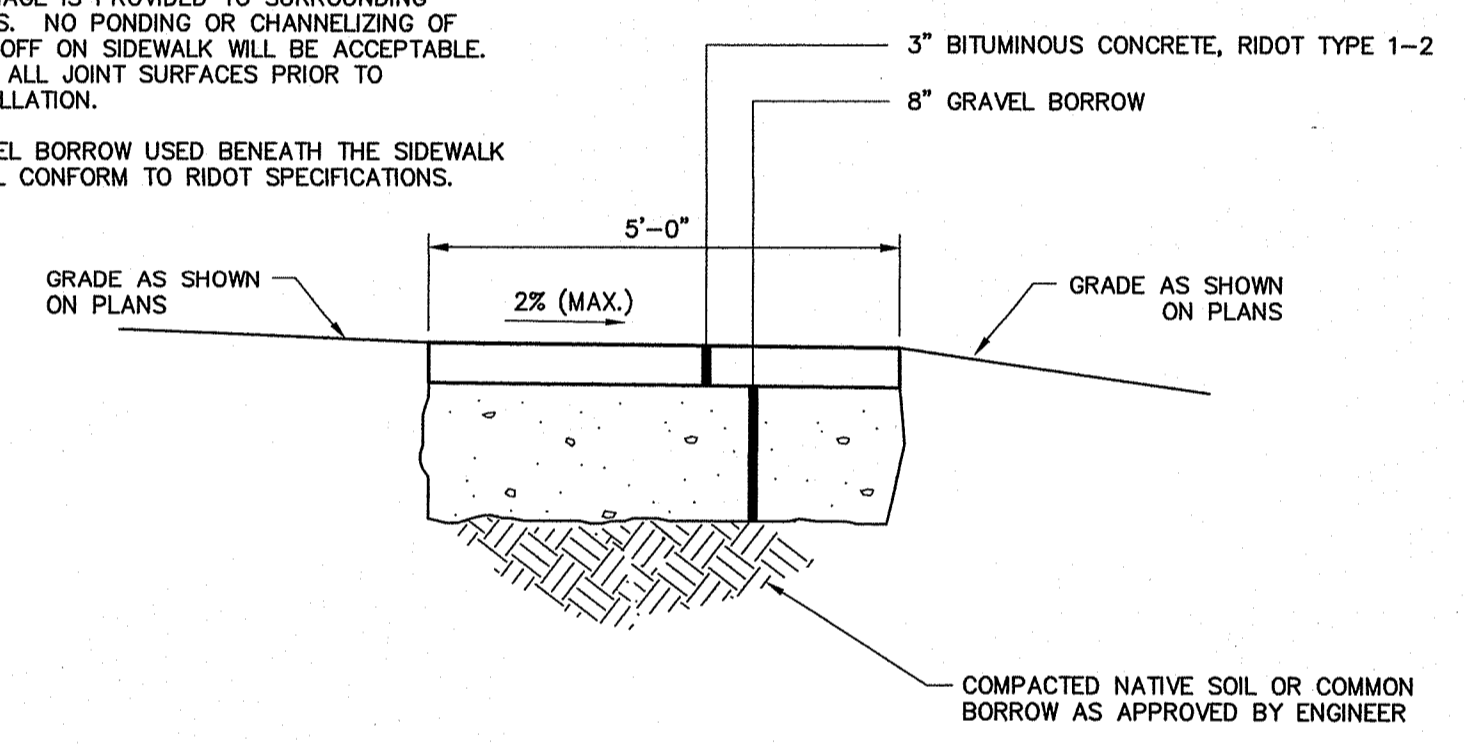
**11 THRUST BLOCKS FOR HORIZONTAL BENDS AND LOWER VERTICAL BENDS**  
N.T.S.



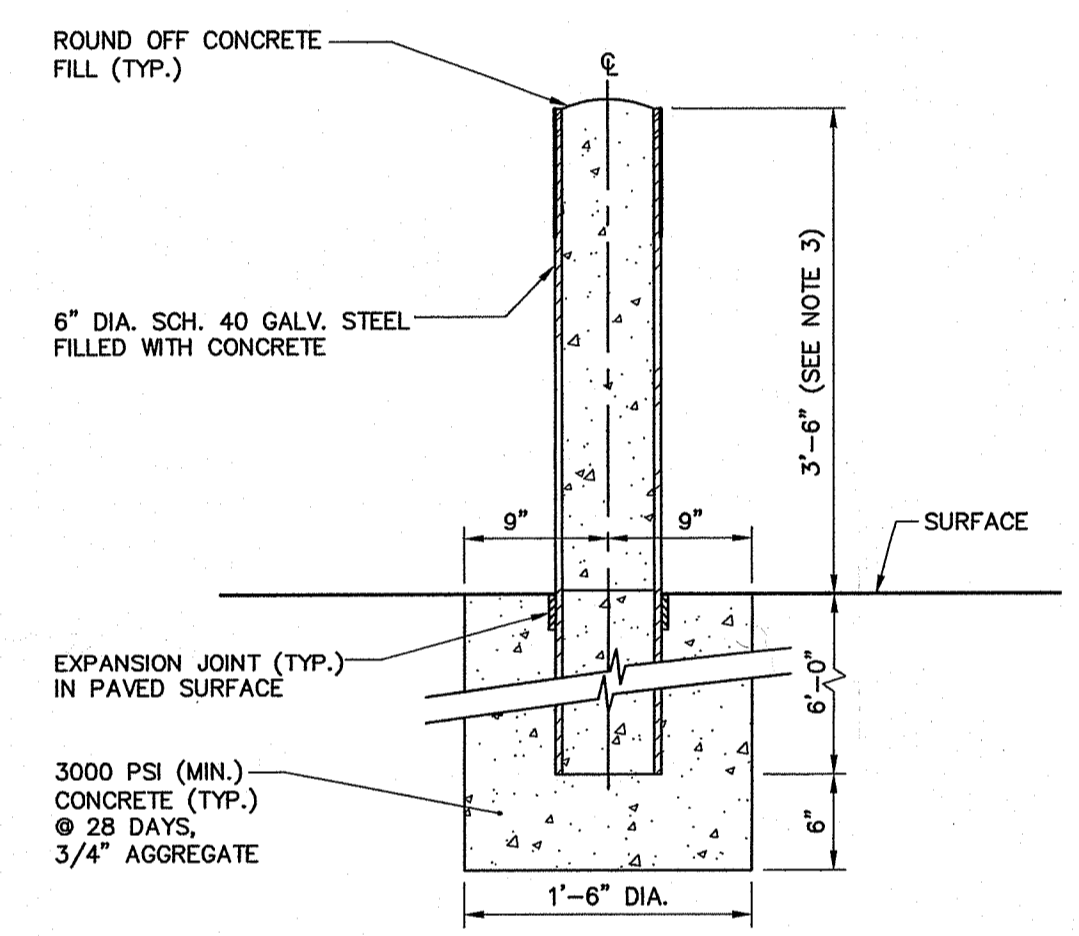
**12 STONE ACCESS ROAD**  
N.T.S.

**NOTE:**

1. CONTRACTOR TO ENSURE THAT POSITIVE DRAINAGE IS PROVIDED TO SURROUNDING AREAS. NO PONDING OR CHANNELIZING OF RUN-OFF ON SIDEWALK WILL BE ACCEPTABLE. TACK ALL JOINT SURFACES PRIOR TO INSTALLATION.
2. GRAVEL BORROW USED BENEATH THE SIDEWALK SHALL CONFORM TO RIDOT SPECIFICATIONS.

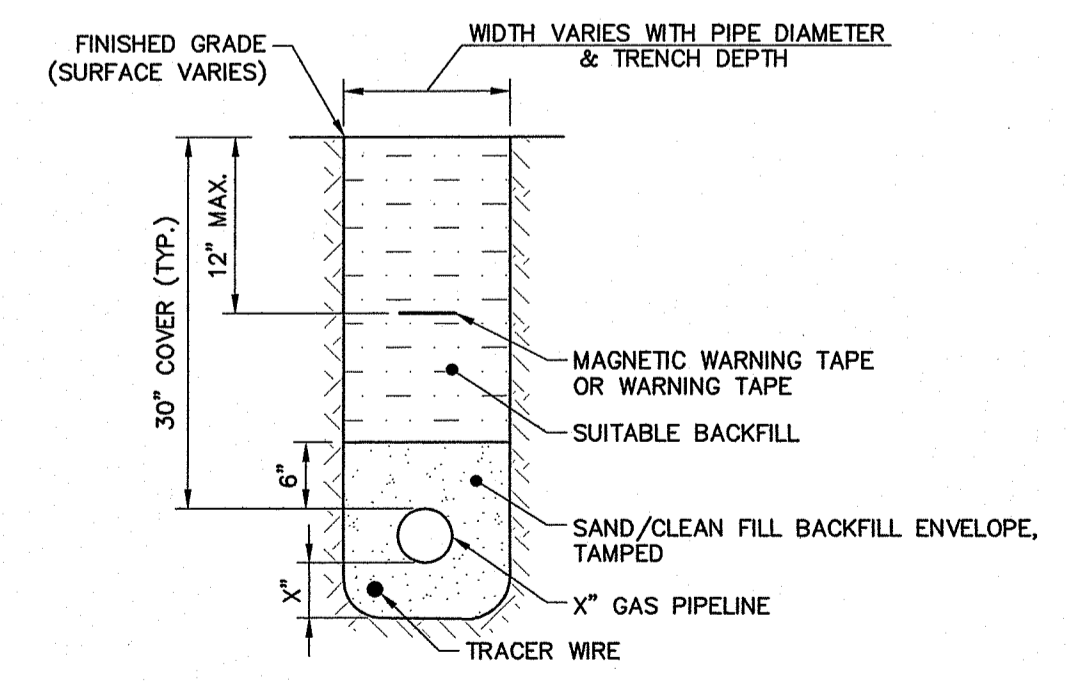


**13 BITUMINOUS SIDEWALK**  
N.T.S.

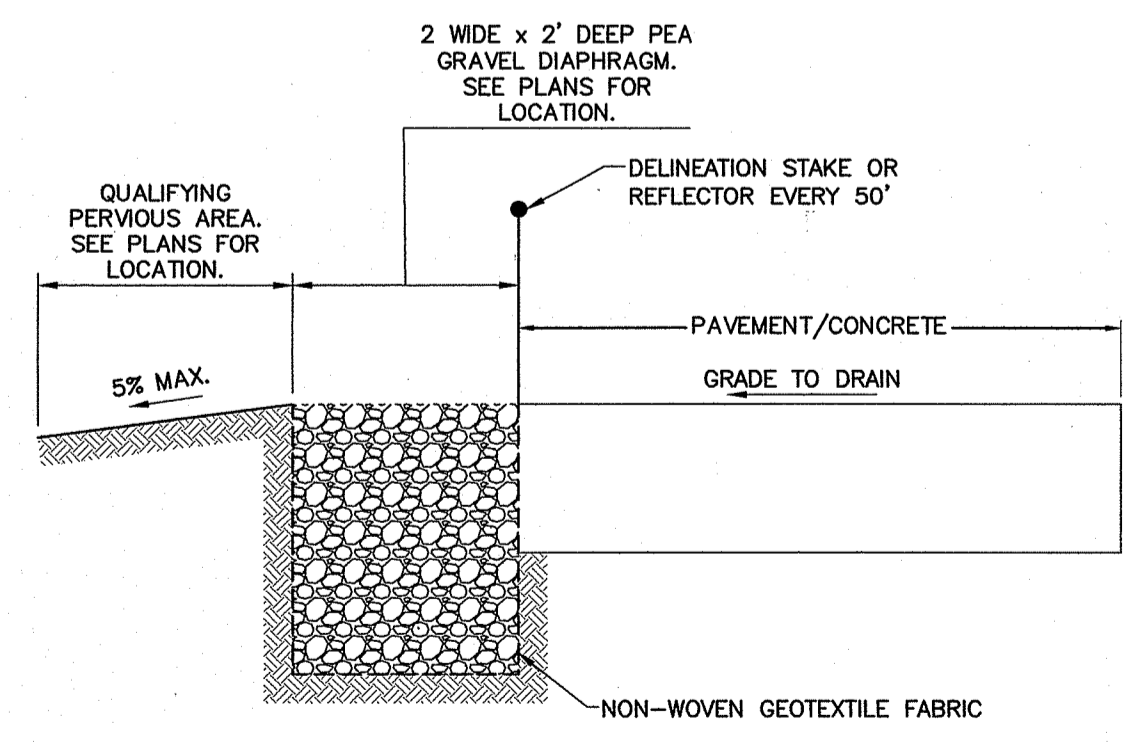


- NOTES:
1. ALL BOLLARDS SHALL BE SLEEVED.
  2. COLOR SELECTED BY ENGINEER.
  3. 5'-0" FOR TRANSFORMER PAD

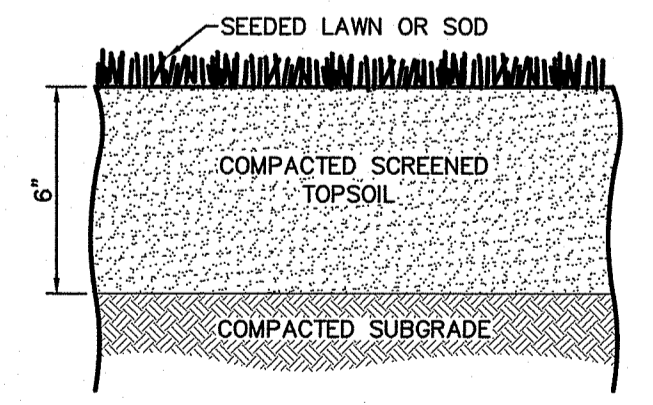
**10 BOLLARD**  
N.T.S.



**14 GAS PIPE TRENCH**  
N.T.S.



**15 PEA GRAVEL DIAPHRAGM**  
N.T.S.



- NOTES:
1. LOAM AND SEED SHALL BE APPLIED TO ALL DISTURBED AREAS, UNLESS OTHERWISE NOTED.
  2. DISTURBED AREAS SHALL BE RE-VEGETATED WITH A LOW-MAINTENANCE GRASS SEED MIX THAT WILL REQUIRE MINIMAL FERTILIZER, IF ANY.

**16 LOAM AND SEED**  
N.T.S.

Office of Water Resources  
DEC - 2 2019

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Providence, Rhode Island 02903  
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ROBERT S. LITTLE  
No. 10169  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL

REV	DESCRIPTION	DATE	CHECKED BY
B	ISSUE FOR RFDIA REVIEW	12/6/2019	RSL
A	ISSUE FOR RFDIA REVIEW	8/20/2018	RSL

DESIGNED BY: AEF  
DRAWN BY: JDE  
23109600-C-501-C-504.dwg

CIVIL DETAILS - 2

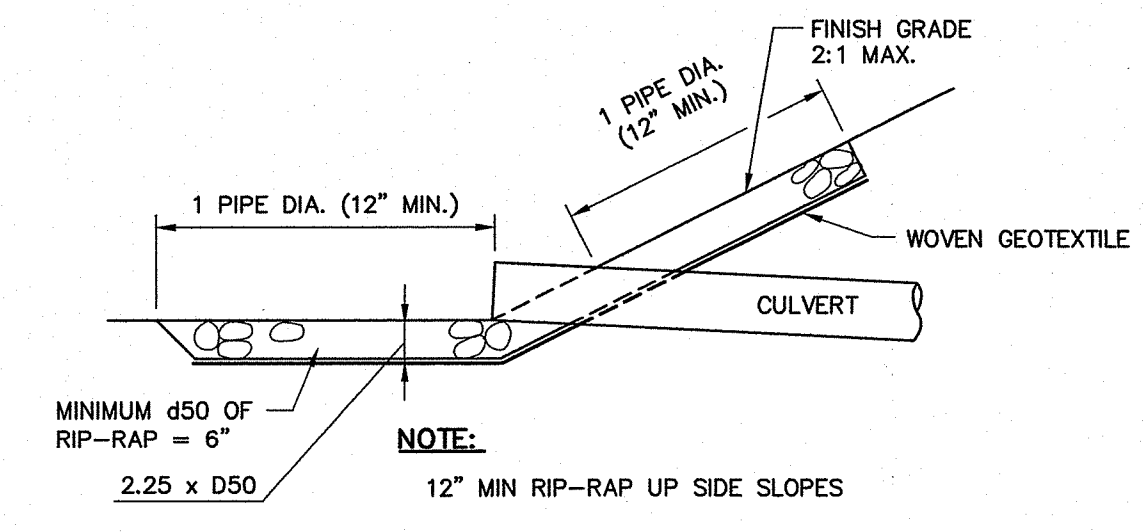
TOWN OF CUMBERLAND  
45 BROAD STREET  
CUMBERLAND, RHODE ISLAND 02864

FRANKLIN FARM WELL FACILITY

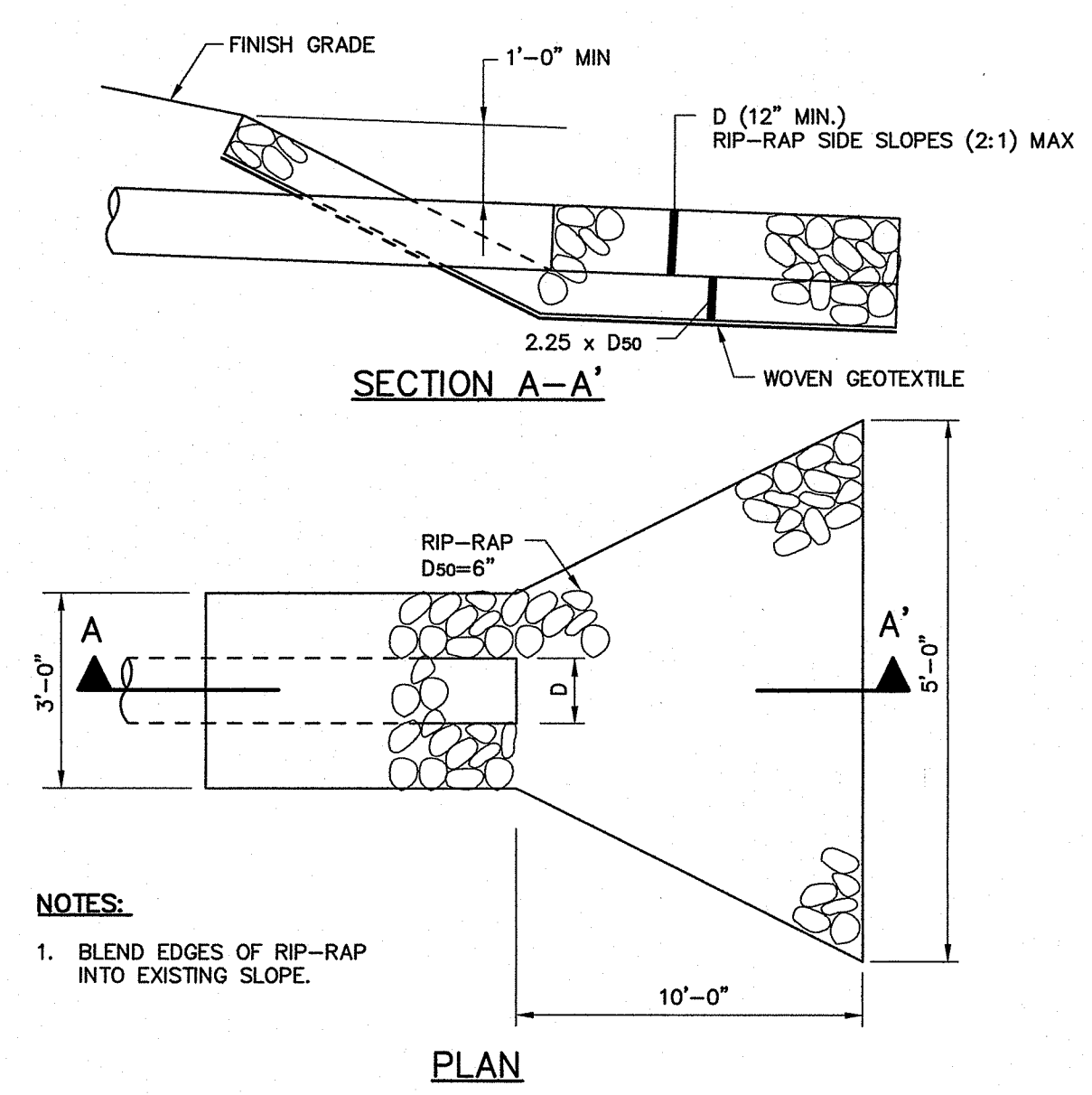
JOB NO.: 231096.00  
DATE: NOVEMBER 2019  
SCALE: AS NOTED  
SHEET: 7 of 11  
**C-502**

PERMITTING REVIEW SET - NOT FOR CONSTRUCTION

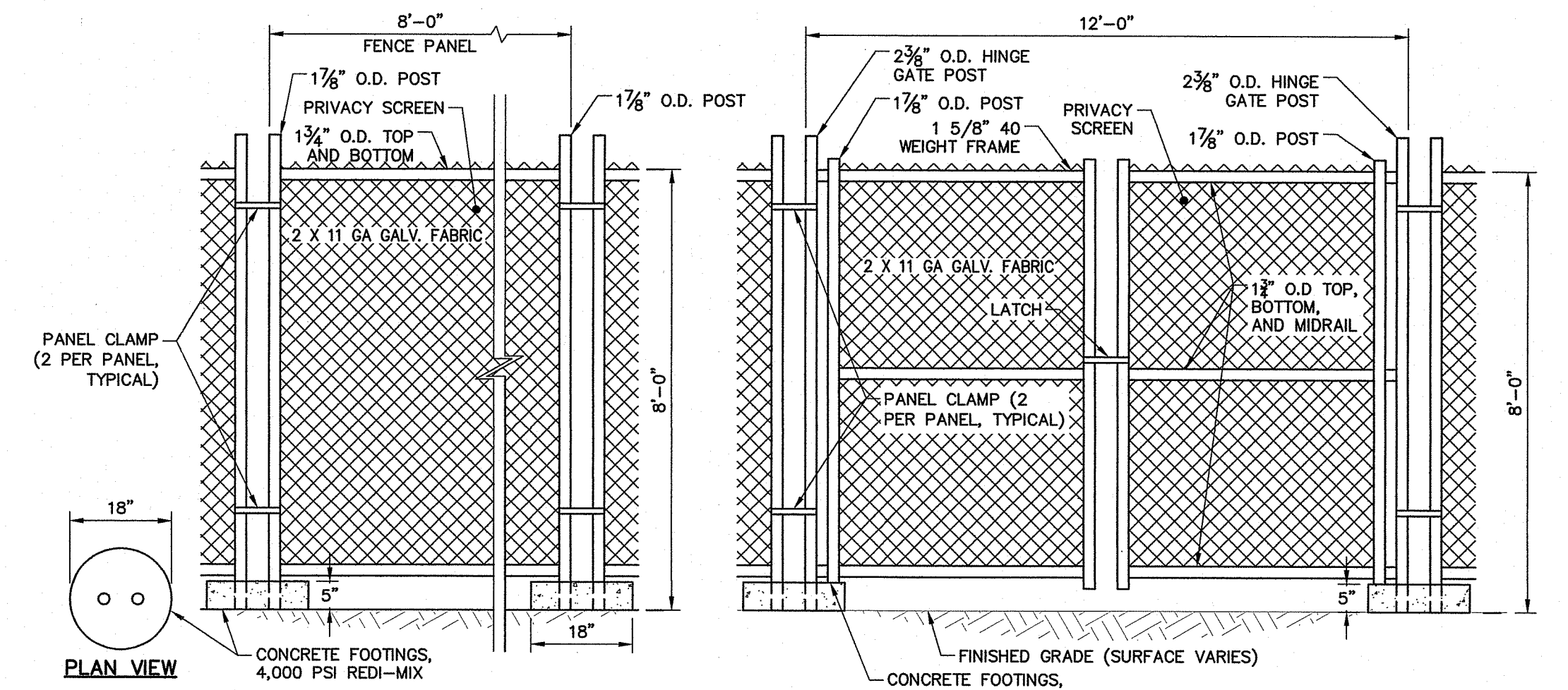




**22 RIP-RAP INLET PROTECTION**  
C-101 N.T.S.

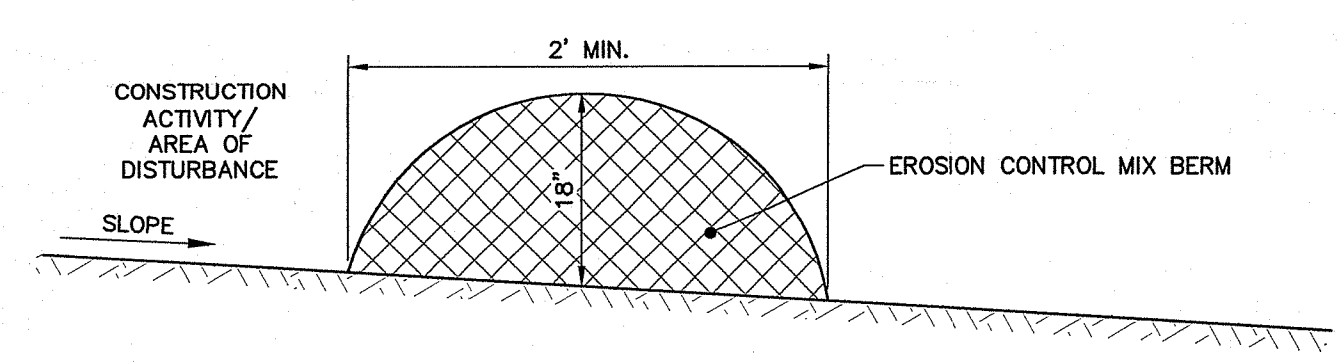


**23 RIP-RAP OUTLET PROTECTION**  
C-101 N.T.S.



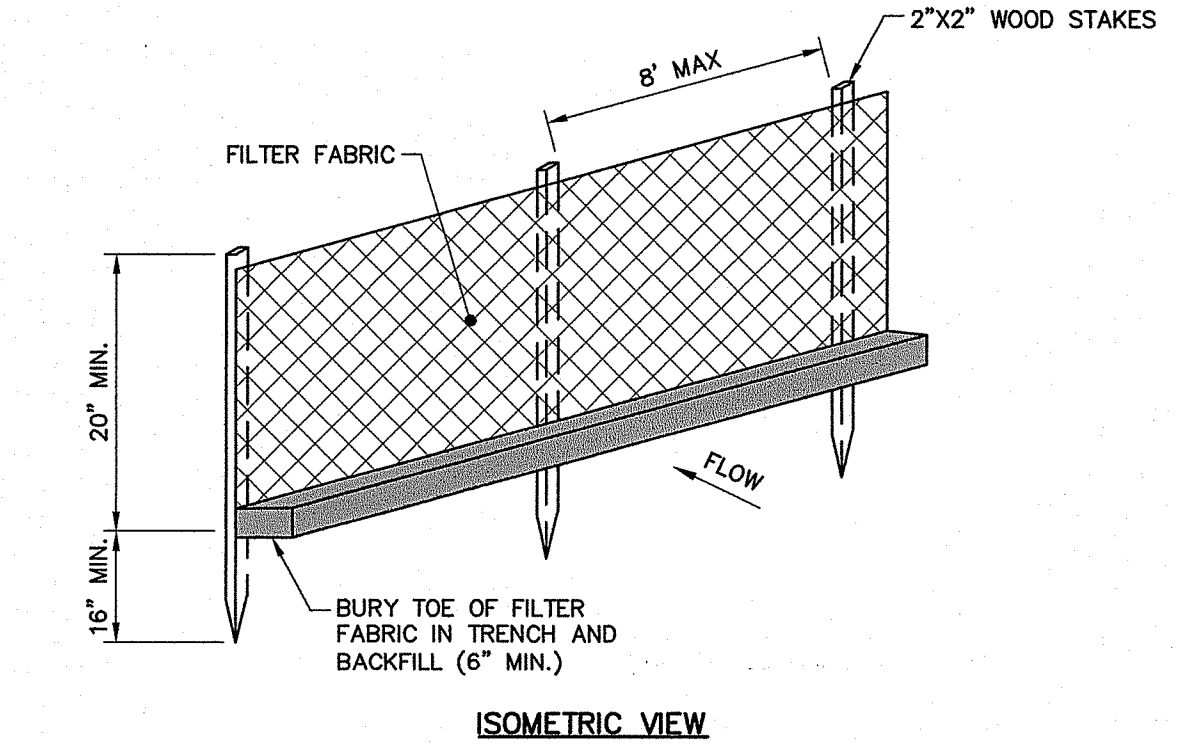
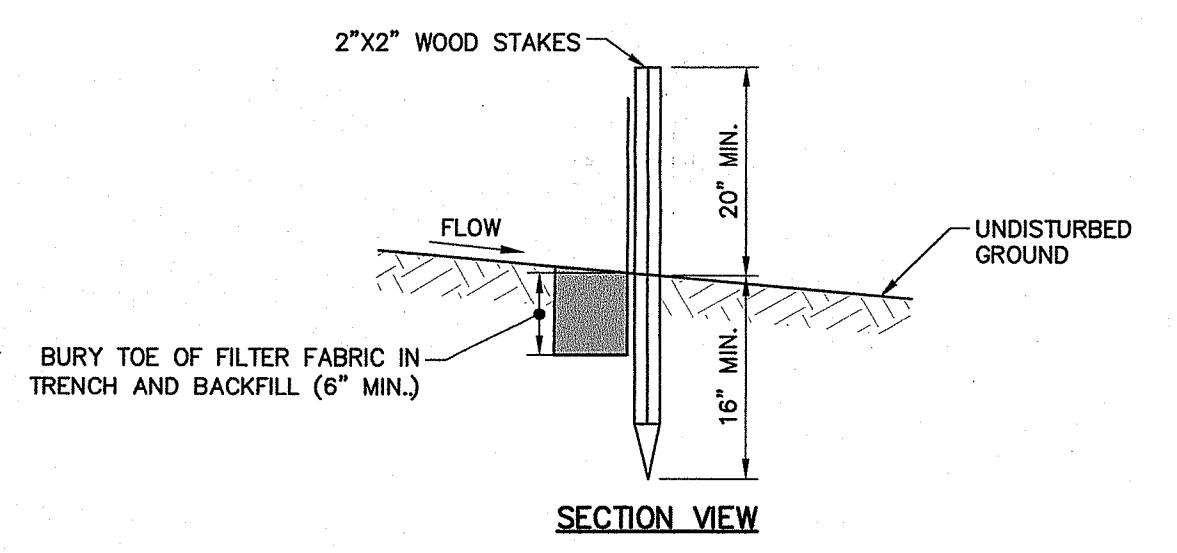
**24 TEMPORARY CHAIN LINK CONSTRUCTION FENCE**  
C-504 N.T.S.

- NOTES:**
- CONTRACTOR SHALL PROVIDE PERIODIC INSPECTION AND MAINTENANCE OF FENCE INCLUDING REPAIRS AS NECESSARY AND REQUIRED BY THE ENGINEER.
  - CONTRACTOR SHALL INSTALL GREEN PRIVACY SCREENING FABRIC OR APPROVED EQUAL AROUND THE PERIMETER OF THE TEMPORARY CONSTRUCTION FENCING.
  - PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SAMPLES OF THE PRIVACY SCREENING TO THE ENGINEER FOR REVIEW AND APPROVAL.



- NOTES:**
- EROSION CONTROL MIX CAN BE MANUFACTURED ON OR OFF THE PROJECT SITE. IT MUST CONSIST PRIMARILY OF ORGANIC MATERIAL AND MAY INCLUDE: SHREDDED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR ACCEPTABLE MANUFACTURED PRODUCTS. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS OR REPROCESSED WOOD PRODUCTS WILL NOT BE ACCEPTABLE AS THE ORGANIC COMPONENT OF THE MIX.
  - EROSION CONTROL MIX SHALL CONTAIN A WELL-GRADED MIXTURE OF PARTICLE SIZES AND MAY CONTAIN ROCKS LESS THAN 4" IN DIAMETER. EROSION CONTROL MIX MUST BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH. THE MIX COMPOSITION SHALL MEET THE FOLLOWING STANDARDS:
    - THE ORGANIC MATTER CONTENT SHALL BE BETWEEN 80 AND 100% DRY WEIGHT BASIS.
    - PARTICLE SIZE BY WEIGHT SHALL BE 100% PASSING A 6" SCREEN AND A MINIMUM OF 70% MAXIMUM OF 85% PASSING A 0.75" SCREEN.
    - THE ORGANIC PORTION NEEDS TO BE FIBROUS AND ELONGATED.
    - LARGE PORTIONS OF SILTS, CLAYS OR FINE SANDS ARE NOT ACCEPTABLE IN THE MIX.
    - SOLUBLE SALTS CONTENT SHALL BE < 4.0 MMHOS/CM.
    - THE PH SHOULD FALL BETWEEN 5.0 AND 8.0.

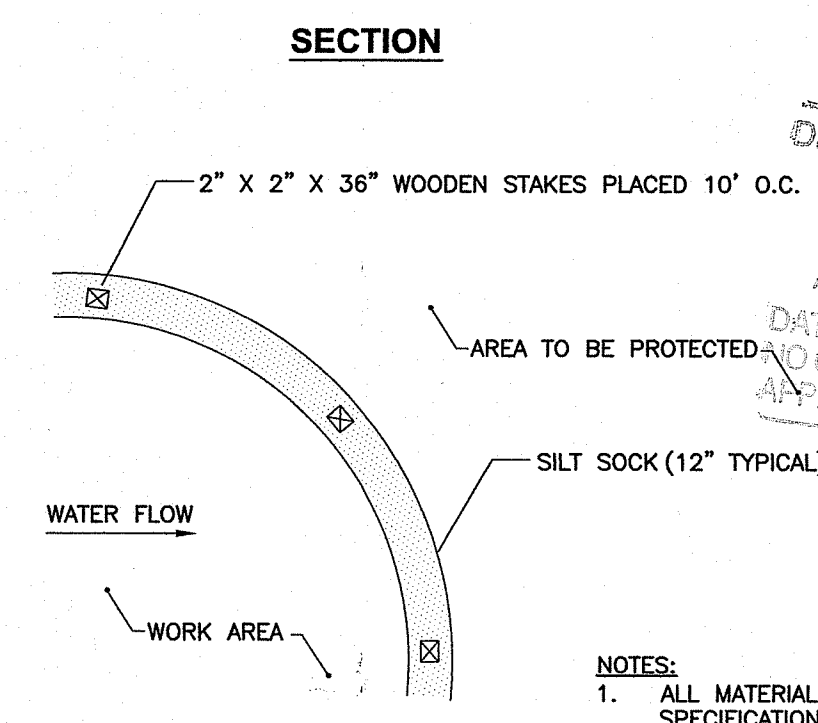
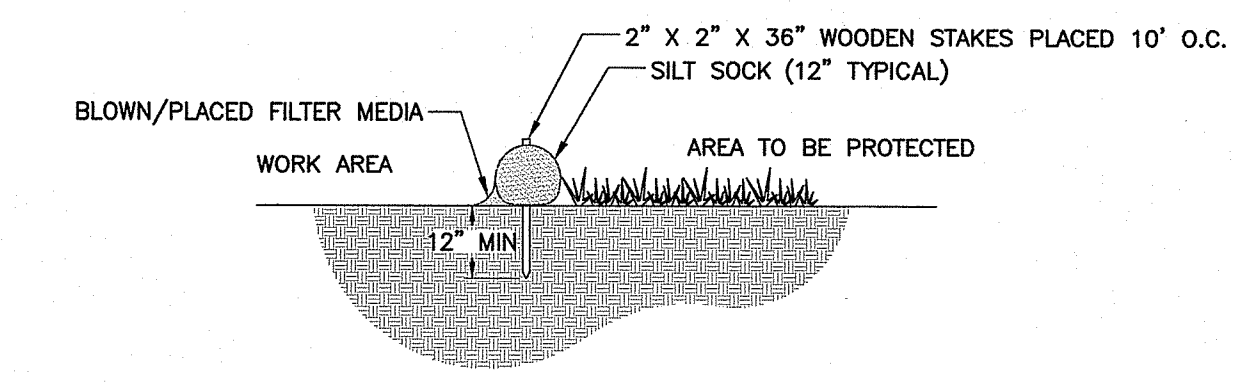
**EROSION CONTROL BERM MIX**



- NOTES:**
- INSTALL FABRIC ON UPHILL SIDE OF WOOD STAKES.
  - SPACING BETWEEN WOOD STAKES PER MANUFACTURER'S RECOMMENDATION.
  - SILT FENCE WILL NOT BE USED IN DRAINAGE WAYS.
  - MAINTENANCE: INSPECT FOR TEARS IN THE FABRIC OR DAMAGE TO SUPPORTS. REPAIR AS NECESSARY. REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES A DEPTH OF SIX-INCHES OR MORE.
  - REMOVAL: WHEN UPSLOPE AREAS ARE STABILIZED, THE STRUCTURE AND ANY ACCUMULATED SEDIMENT WILL BE REMOVED.

**SILTATION FENCE**

**25 SEDIMENT BARRIER OPTIONS**  
CD-101 N.T.S.



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

**SILT SOCK SEDIMENT CONTROL**

Office of Water Resources  
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Providence, Rhode Island 02903  
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**WOODARD & CURRAN**  
COMMITMENT & INTEGRITY DRIVE RESULTS

ROBERT S. LITTLE  
No. 10168  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL

REV.	DESCRIPTION	DATE
B	ISSUE FOR RIDDH REVIEW	12/16/2019
A	ISSUE FOR RIDDH REVIEW	09/29/2019

CHECKED BY: RSL  
DESIGNED BY: AEF  
DRAWN BY: JDE  
23109600-C-504\_C-504.dwg

CIVIL DETAILS - 4

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WITH PROTECTION  
APPROVED FOR PERMITTING  
AS SPECIFIED IN PERMITTING  
DATED DEC 3 0 2019  
NO CHANGES ALLOWED WITHOUT PERMITTING  
APPROVED PLANS MUST BE AT O&M PERMITTING  
Nancy L. Freeman

TOWN OF CUMBERLAND  
45 BROAD STREET  
CUMBERLAND, RHODE ISLAND 02864

FRANKLIN FARM  
WELL FACILITY

JOB NO.: 231096.00  
DATE: NOVEMBER 2019  
SCALE: AS NOTED  
SHEET: 11 OF 11  
**C-504**