

# PROPOSED FGX INTERNATIONAL INC.

## SITE PLAN SET

GEORGE WASHINGTON HIGHWAY (ROUTE 116)  
SMITHFIELD, RHODE ISLAND

APRIL, 2012

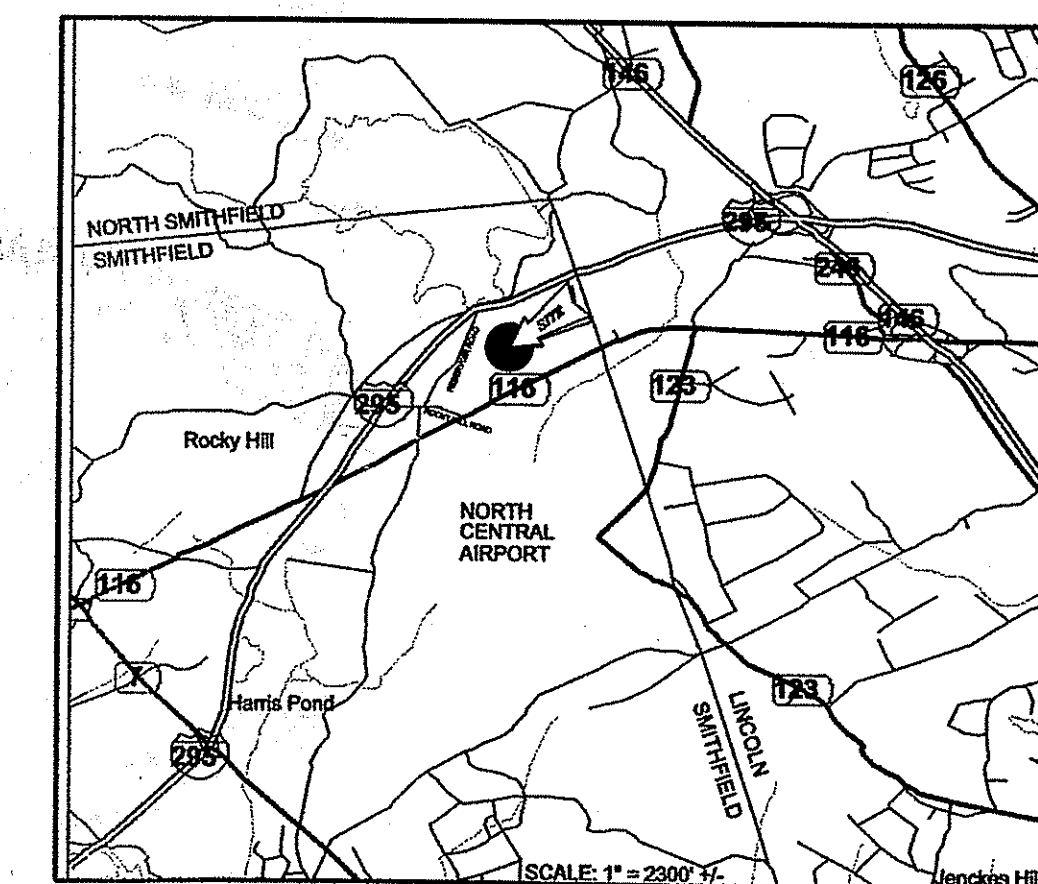
REVISED: AUGUST, 2012

DEC - 4 2012  
City of Smithfield

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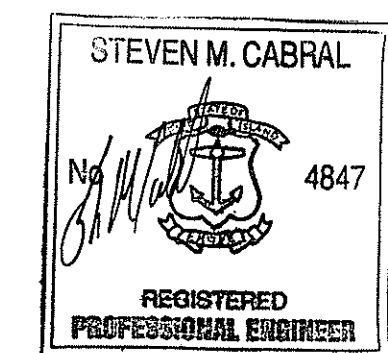
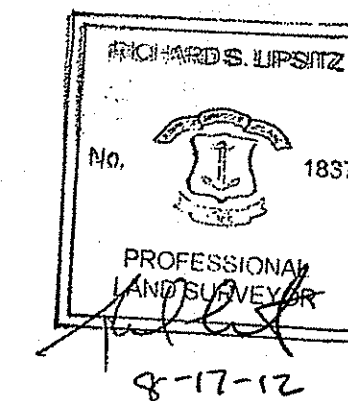
REVISED: OCTOBER 22, 2012  
REVISED: NOVEMBER 2, 2012  
REVISED: NOVEMBER 13, 2012  
REVISED: NOVEMBER 19, 2012  
REVISED: NOVEMBER 26, 2012



LOCATION MAP

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JAN 04 2013 FILE # 12-0140  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Signature*



OWNER / APPLICANT:  
A.P. 48, LOT # 17B

FGX INTERNATIONAL, INC.  
500 GEORGE WASHINGTON HIGHWAY (ROUTE 116)  
SMITHFIELD, RI 02917

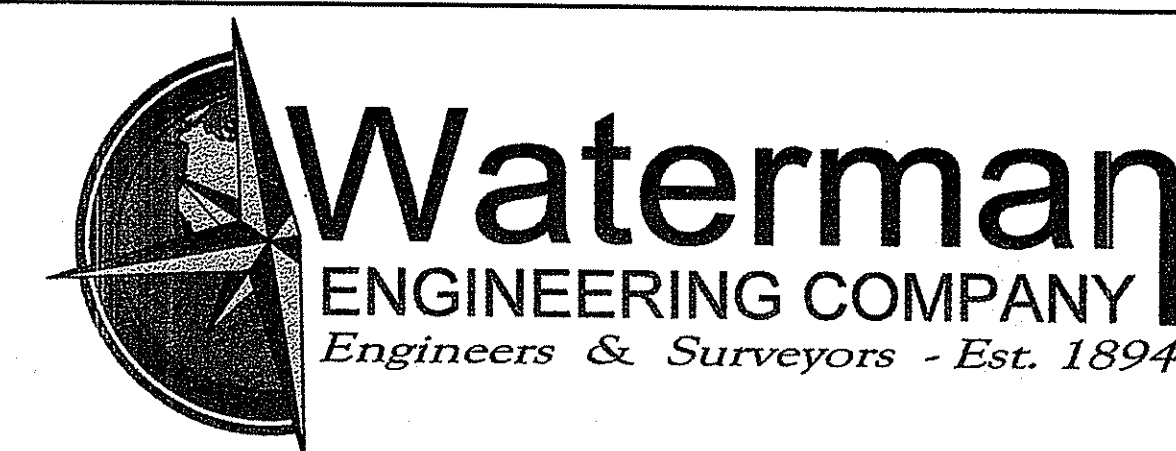


CROSSMAN ENGINEERING  
151 Centerville Road | Warwick, Rhode Island 02886  
Phone: (401) 738-5660 | Fax: (401) 738-8157  
Email: cei@crossmaneng.com

- Civil
- Transportation
- Environmental
- Site Planning
- Land Surveying
- Landscape Architecture

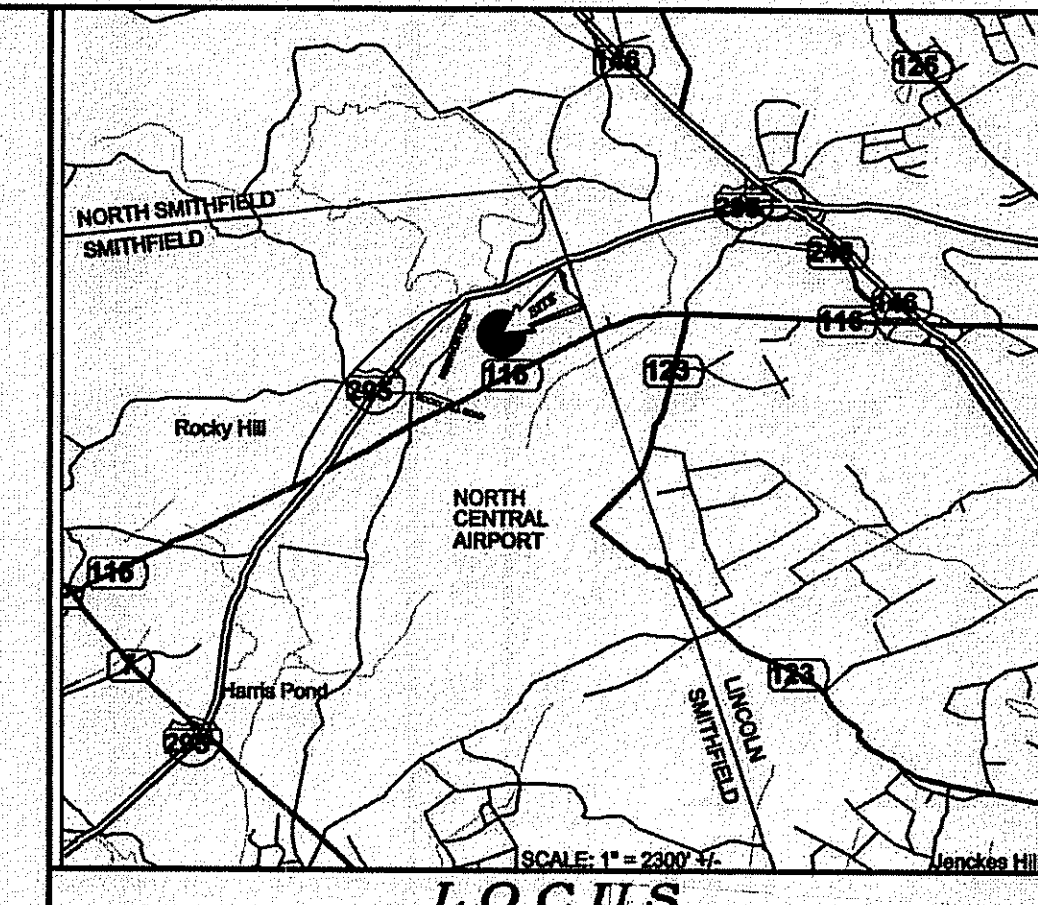
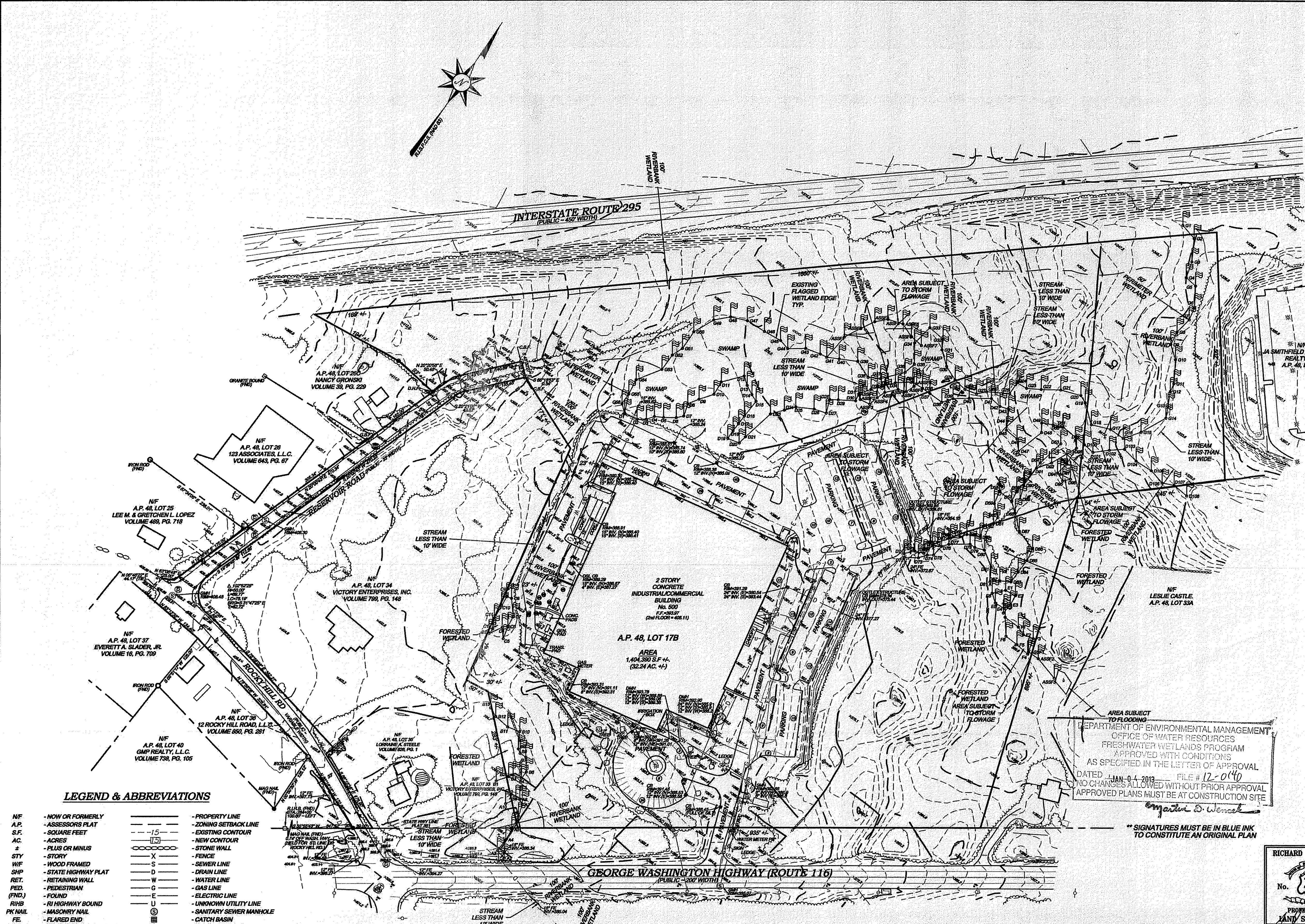
FOR RIDEM SUBMISSION

SHEET 1 of 28



46 Sutton Avenue  
East Providence, RI  
Phone: (401) - 438 - 5775  
Fax: (401) - 438 - 5773  
www.watermanengineering.net

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**NOTES / REFERENCES**

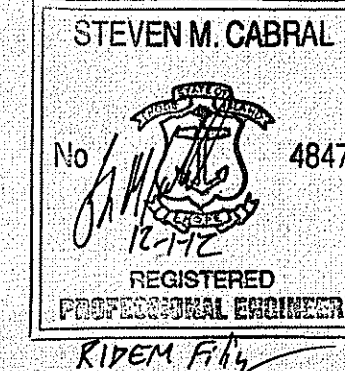
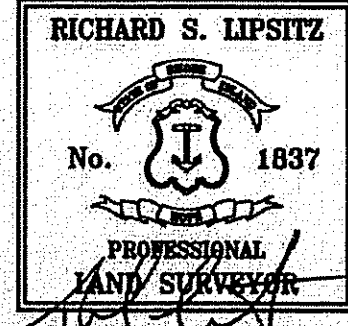
- REFERENCE IS MADE TO THE FOLLOWING MAPS AND PLANS OF RECORD:
  - A) PLAN ENTITLED "ADMINISTRATIVE SUBDIVISION PLAN LOT 17B, 32 AND 33B ON ASSESSOR PLAT 48 GEORGE WASHINGTON HIGHWAY IN SMITHFIELD, RHODE ISLAND FOR FGX INTERNATIONAL, INC. PREPARED BY STANLEY ENGINEERING, INC. SCALE: 1" = 80' APRIL 23, 2008"
  - B) PLAN ENTITLED "SMITHFIELD, R.I. ADMINISTRATIVE SUBDIVISION PREPARED FOR STEPHEN LONG, MARTIN CANAVAN & GMP REALTY, L.L.C. CLASS I SURVEY OF A.P. 48, LOTS 39 & 40A HARRIS ROAD GEORGE WASHINGTON HIGHWAY BY MLC SURVEYING, INC. NOVEMBER 1, 2011"
  - C) PLAN ENTITLED "EXISTING CONDITIONS PLAN 123 ASSOCIATES, L.L.C. SMITHFIELD, RHODE ISLAND A.P. 48, LOT 26, JUNE 08 LAST REVISED: 10/08/08 BY CASALI & DYAMCO ENGINEERING, INC. ANTHONY MUSCATELLI, P.L.S. INTERNATIONAL MAPPING & SURVEYING CORP. SCALE: 1" = 20' "
  - D) RHODE ISLAND HIGHWAY PLAT No. 361
  - E) UNTITLED SKETCH FOR ABOVE & BEYOND TREE SERVICE BY MLC SURVEYING, INC. 7-11-11
- REFERENCE IS MADE TO THE FOLLOWING TOWN OF SMITHFIELD LAND EVIDENCE RECORDS REGARDING RECORDED TITLE TO THE PREMISES SURVEYED:
  - A) A.P. 48, LOT 17B - FGX INTERNATIONAL, INC. - BOOK 647, PAGE 881
- THESE PREMISES MAY BE SUBJECT TO THE FOLLOWING EASEMENTS, RIGHTS OF WAY OR AGREEMENTS OF RECORD:
  - A) ABANDONMENT OF A PORTION OF RESERVOIR ROAD AS DESCRIBED IN SMITHFIELD TOWN COUNCIL BOOK 17, PAGE 334.
- THESE PREMISES ARE SITUATED IN AN "FC ZONE":
 

DIMENSIONAL REQUIREMENTS	
MIN. LOT AREA	= 3 AC.
MIN. FRONTAGE WIDTH	= 200 FT.
MIN. S/B FRONT YARD	= 150 FT.
MIN. S/B REAR YARD	= 50 FT.
MIN. S/B SIDE YARD	= 50 FT.
MAX. STRUCTURE HEIGHT	= 48 FT.
MAX. LOT COVERAGE	= 35%

NOTE - ZONING INFORMATION IS FROM CURRENT ZONING AND MAY NOT REFLECT THE CONDITIONS AT THE TIME OF CONSTRUCTION OR ANY VARIANCES GRANTED.
- THESE PREMISES ARE SITUATED IN A ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS DESIGNATED ON "NATIONAL FLOOD INSURANCE PROGRAM, FIRM FLOOD INSURANCE RATE MAP PROVIDENCE COUNTY, RHODE ISLAND (ALL JURISDICTIONS) PANEL 198 OF 451 TOWN OF SMITHFIELD MAP NUMBER 4400701980 EFFECTIVE DATE: MARCH 2, 2008, FEDERAL EMERGENCY MANAGEMENT AGENCY".
- ANY UTILITIES SHOWN ON THIS PLAN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING PLANS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH OR ABANDONED. THE SURVEYOR DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM ALL AVAILABLE INFORMATION. PLEASE CONTACT DIS SAFE 72 HOURS PRIOR TO CONSTRUCTION AT PHONE NO. 1-888-DIS-SAFE AND/OR ALL LOCAL UTILITY COMPANIES.
- THE HORIZONTAL DATUM FOR THIS PROJECT IS THE R.I.S.P.C.S. (NAD 83) AND THE VERTICAL DATUM FOR THIS PROJECT IS NAVD83. THE PROJECT DATUMS WERE ESTABLISHED FROM DATA TRANSMITTED FROM MTS REFERENCE STATIONS USING THE MTS RTK NETWORK VIA LEICA GPS 1200 SERIES ANTENNAS / RECEIVERS.
- WETLAND FLAGS DELINEATED BY NATURAL RESOURCE SERVICES, INC. & FIELD LOCATED BY WATERMAN ENGINEERING COMPANY USING THE MTS RTK NETWORK VIA LEICA GPS 1200 SERIES ANTENNAS / RECEIVERS.
- AERIAL TOPOGRAPHIC MAPPING COMPILED NOVEMBER 9, 2011 BY EASTREN TOPOGRAPHICS P.O. BOX 970 485 CENTER STREET (RT. 20) WOLFEBORO, NEW HAMPSHIRE 03894 FROM AERIAL PHOTOGRAPHS EXPOSED APRIL 25, 2009. GROUND CONTROL BY WATERMAN ENGINEERING COMPANY. ALL BUILDINGS SHOWN REPRESENT ROOF LINES AS SEEN IN THE AERIAL PHOTOGRAPHY.
- SUBSURFACE UTILITY INVESTIGATION BY AEI SUBSURFACE, INC. 339 MARKET STREET, BUILDING #3, WARREN, RHODE ISLAND 02885.
- NO KNOWN LAYOUTS FOR ROCKY HILL ROAD OR RESERVOIR ROAD WERE FOUND ON RECORD. THE RIGHTS OF WAY FOR BOTH STREETS WERE REPRODUCED USING THE LAND EVIDENCE RECORDS AND THE MONUMENTATION OCCUPATION FOUND. VERY LITTLE OCCUPATION CURRENTLY EXISTS IN THIS AREA AND MANY OF THE LAND EVIDENCE RECORDS ARE OLD & VAGUE.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JAN 04 2013 FILE # 12-0140  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

\*\* SIGNATURES MUST BE IN BLUE INK TO CONSTITUTE AN ORIGINAL PLAN



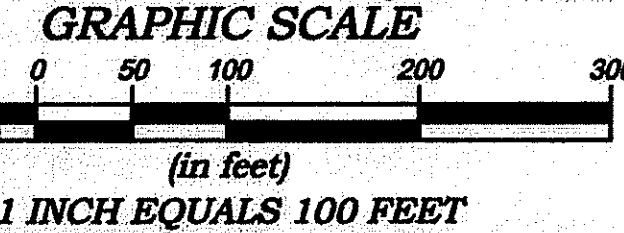
**CERTIFICATION**

THIS SURVEY AND PLAN CONFORM TO THE FOLLOWING CLASS STANDARDS AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS, EFFECTIVE APRIL 1, 1994.  
BOUNDARY SURVEY - CLASS I (RESERVOIR RD & ROCKY HILL RD AS SHOWN) - CLASS IV (REMAINDER OF SURVEY)  
TOPOGRAPHIC SURVEY - CLASS III  
PORTIONS OF THIS PLAN ARE SUBSTANTIALLY CORRECT IN ACCORDANCE WITH A CLASS IV STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. PORTIONS OF THIS PLAN ARE NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND IS SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE. (SEE CERTIFICATION ABOVE)

RICHARD S. LIPSITZ  
WATERMAN ENGINEERING COMPANY  
REG. NO. 1837  
DATE 11-0-12

**LEGEND & ABBREVIATIONS**

- |                                |                             |
|--------------------------------|-----------------------------|
| NF - NOW OR FORMERLY           | --- - PROPERTY LINE         |
| A.P. - ASSESSORS PLAT          | - - - - ZONING SETBACK LINE |
| S.F. - SQUARE FEET             | - - - - EXISTING CONTOUR    |
| AC. - ACRES                    | - - - - NEW CONTOUR         |
| + - PLUS OR MINUS              | --- - STONE WALL            |
| STY - STORY                    | X - FENCE                   |
| W/F - WOOD FRAMED              | S - SEWER LINE              |
| SHP - STATE HIGHWAY PLAT       | D - DRAIN LINE              |
| RET. - RETAINING WALL          | W - WATER LINE              |
| PEB. - PEDESTRIAN              | G - GAS LINE                |
| FOUND - FOUND                  | E - ELECTRIC LINE           |
| R/HB - R-I HIGHWAY BOUND       | U - UNKNOWN UTILITY LINE    |
| M/NAIL - MASONRY NAIL          | U - SANITARY SEWER MANHOLE  |
| FE - FLARED END                | CB - CATCH BASIN            |
| RCP - REINFORCED CONCRETE PIPE | SDM - STORM DRAIN MANHOLE   |
| CLF - CHAIN LINK FENCE         | WG - WATER GATE             |
| INV. - INVERT                  | GV - GAS VALVE              |
| x 10.80 - EXISTING SPOT GRADE  | EM - ELECTRIC MANHOLE       |
| x 10.80 - NEW SPOT GRADE       | GB - GRANITE BOUND          |
| T - TELECOM LINE               | DH - DRILL HOLE             |
|                                | IP - IRON PIPE              |



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NO.	DATE	REVISION	CHECKED BY
8	11/6/12	REVISED FLAG LOCATIONS PER RIDEM	RSL
5	10/22/12	ADDED TOPO FOR HARRIS & GW HWY INTERSECTION	RSL
4	07/25/12	BOUNDARY FOR RESERVOIR RD ADDED	RSL
3	08/29/12	UNDERGROUND UTILITY INVESTIGATIONS	RSL

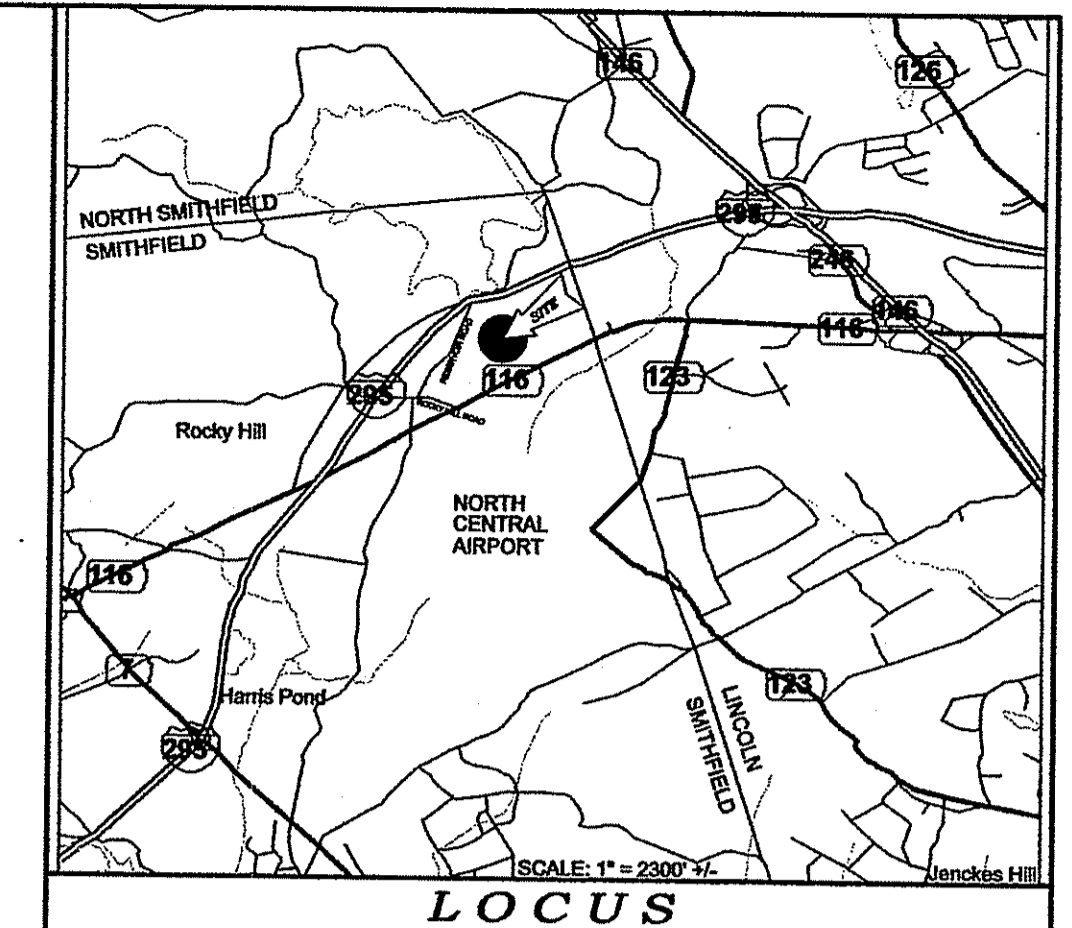
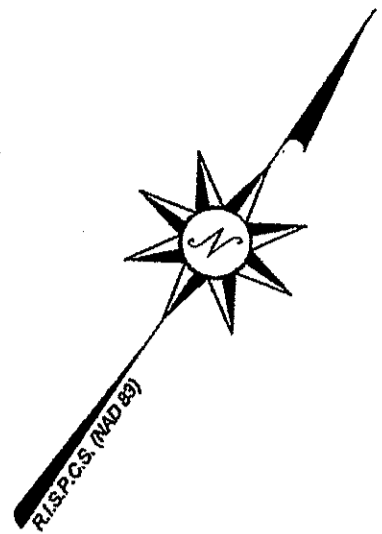
**EXISTING CONDITIONS PLAN**  
GEORGE WASHINGTON HIGHWAY (ROUTE 116)  
A.P. 48, LOT 17B  
SMITHFIELD, RHODE ISLAND

PROJECT NO. R11-091  
SCALE: 1" = 100'  
DATE: 11/1/2011  
DRAWN BY: BJT/MS  
CHECKED BY: RSL

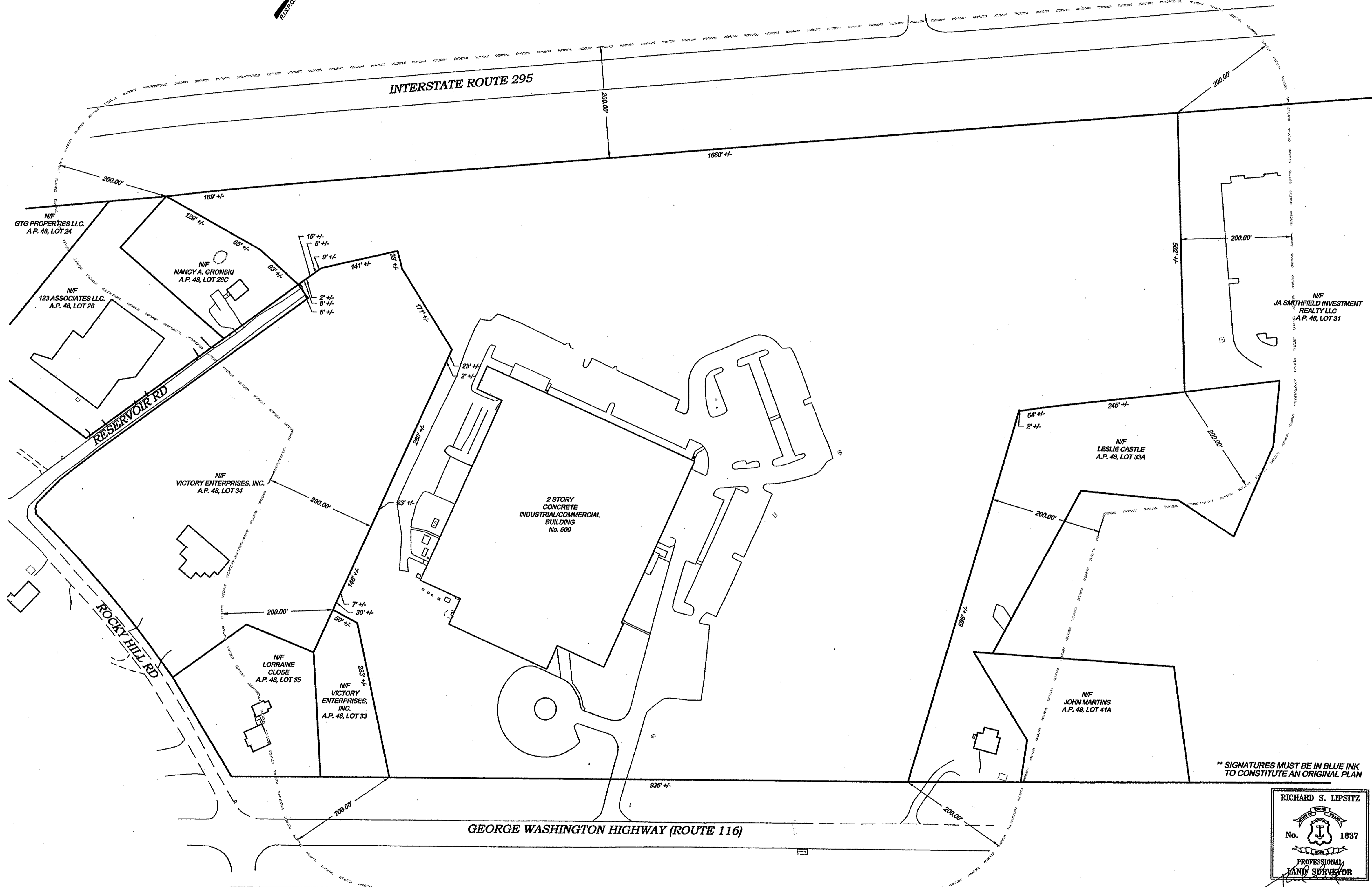
FILENAME: 11-091\_SUI\_REV4  
2 of 28 SHEETS  
DRAWING # EX1

**Waterman ENGINEERING COMPANY**  
Engineers & Surveyors - Est. 1894

46 Sutton Avenue  
East Providence, RI  
Phone: (401) 438-5775  
Fax: (401) 438-5773  
www.watermanengineering.net



DEC - 4 2012



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED JAN. 04 2012 FILE # 12-0146  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

*Signature*

STEVEN M. CABRAL  
 No. 4847  
 REGISTERED PROFESSIONAL ENGINEER  
*Signature*

REVISED: 10/22/12  
 REVISED: 11/02/12  
 REVISED: 11/13/12  
 REVISED: 11/19/12  
 REVISED: 11/26/12  
 Sheet 3 of 28

\*\* SIGNATURES MUST BE IN BLUE INK TO CONSTITUTE AN ORIGINAL PLAN

RICHARD S. LIPSTZ  
 No. 1837  
 PROFESSIONAL LAND SURVEYOR  
*Signature*

**CERTIFICATION**

THIS SURVEY AND PLAN CONFORM TO THE FOLLOWING CLASS STANDARDS AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS, EFFECTIVE APRIL 1, 1984.

BOUNDARY SURVEY - CLASS VI  
 TOPOGRAPHIC SURVEY - CLASS III

*Signature* 1837 8-17-12  
 RICHARD S. LIPSTZ REG. NO. DATE  
 WATERMAN ENGINEERING COMPANY

THIS PLAN IS SUBSTANTIALLY CORRECT IN ACCORDANCE WITH A CLASS IV STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. THIS PLAN IS NOT TO BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY AND IS SUBJECT TO SUCH CHANGES AS AN ACCURATE BOUNDARY SURVEY MAY DISCLOSE.

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 WATERMAN ENGINEERING CO.  
 CIVIL ENGINEERS & SURVEYORS  
 46 SUITON AVENUE  
 EAST PROVIDENCE, RI 02914-2095

1	5/10/12	PER TOWNS COMMENTS	RSL
NO.	DATE	REVISION	CHECKED BY
200' RADIUS MAP GEORGE WASHINGTON HIGHWAY (ROUTE 116) A.P. 48, LOT 17B SMITHFIELD, RHODE ISLAND			PROJECT NO. R11.021 SCALE: 1" = 100' +/- DATE: 4/10/2012 DRAWN BY: BJT/MS CHECKED BY: RSL
FGX INTERNATIONAL, INC. 500 GEORGE WASHINGTON HIGHWAY SMITHFIELD, RHODE ISLAND 02917			FILENAME: 11-091_200 Radius_RSV1 -3 of 28_SHTS DRAWING #: R1

**Waterman**  
 ENGINEERING COMPANY  
 Engineers & Surveyors - Est. 1894  
 46 Sution Avenue  
 East Providence, RI  
 Phone: (401) 438-5775  
 Fax: (401) 438-5773  
 www.watermanengineering.net

**GENERAL NOTES**

- ALL EXISTING UTILITIES HAVE BEEN PLOTTED BASED UPON EXISTING CONDITION PLANS PREPARED BY WATERMAN ENGINEERING. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE & UTILITIES, BOTH UNDERGROUND AND OVERHEAD, BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH "DIG SAFE PROGRAM LAW" ENACTED BY THE R.I. LEGISLATURE AND BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY CITY, STATE OR FEDERAL AGENCY THAT MAY APPLY. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- SPECIFICATIONS TO GOVERN THIS PROJECT ARE R.I.D.O.T. STANDARD SPECIFICATIONS. FOR ALL EXCAVATION, PLACEMENT OF FILL, PIPE INSTALLATION, BITUMINOUS PAVEMENT, CUTTING INTO CATCHBASIN/MANHOLES, CONCRETE AND SAWCUTTING, THE CONTRACTOR SHALL PERFORM THE WORK IN FULL COMPLIANCE WITH THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION, WITH LATEST REVISIONS UNLESS OTHERWISE SHOWN ON PLANS. THE "METHOD OF MEASUREMENT" AND "BASIS OF PAYMENT" ARE NOT APPLICABLE. THESE SPECIFICATIONS CAN BE OBTAINED ON-LINE AT:  
 HTTP://WWW.DOT.STATE.RI.US/ENGINEERING/STANDARDS/INDEX.ASP
- FOR ALL EXCAVATION AND PLACEMENT OF FILL, THE CONTRACTOR SHALL PERFORM THE WORK IN FULL COMPLIANCE WITH THE R.I. STANDARD SPECIFICATION SECTION 202.
- RHODE ISLAND STANDARDS REFERENCED ARE ACCORDING TO THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS "RHODE ISLAND STANDARD DETAILS" DATED JUNE 27, 2008, WITH ALL REVISIONS AS PREPARED BY THE DEPARTMENT OF TRANSPORTATION.
- THE CONTRACTOR MUST VERIFY PRIOR TO CONSTRUCTION THAT ALL REQUIRED AUTHORIZATION TO PERFORM WORK HAS BEEN OBTAINED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION OPERATIONS INCLUDING ALL ACTIONS OR OMISSIONS OF ANY SUBCONTRACTORS, AGENTS OR EMPLOYEES. THE CONTRACTOR MUST ENSURE THAT THE CONDITIONS OF ALL PERMITS, SPECIFICATIONS AND FEDERAL, STATE AND LOCAL REGULATIONS ARE STRICTLY ENFORCED. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ASPECTS OF ON-SITE SAFETY INCLUDING ANY DAMAGE TO EXISTING STRUCTURES.
- WORK SHOWN ON THE PLANS FOR WHICH THERE ARE NO PARTICULAR DETAILS OR SPECIFICATIONS DOES NOT RELIEVE THE CONTRACTOR FROM FURNISHING AND INSTALLING THE WORK. THE CONTRACTOR SHALL THOROUGHLY EXAMINE THE CONTRACT DOCUMENTS AND PLANS AND INSPECT THE SITE, AND THE BID PRICE SHALL INCLUDE ALL SERVICES AND MATERIALS NECESSARY TO COMPLETE THE PROJECT. ANY CHANGES TO THE PROJECT OR THE INSTALLATION OF AN ITEM FOR WHICH NO PARTICULAR DETAIL OR SPECIFICATION WAS PROVIDED MUST BE REVIEWED BY AND MUST BE ACCEPTABLE TO THE ENGINEER.
- CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY WORK.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT PRIOR TO THE INITIATION OF WORK. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS, RELATIVE TO THE SPECIFICATIONS OR APPLICABLE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL CONFORMANCE WITH LOCAL REGULATIONS AND CODES.
- ALL DISTURBED AREAS SHALL BE REPLACED IN KIND UNLESS OTHERWISE SHOWN.
- ANTICIPATED PERMITS/APPROVALS REQUIRED FOR THIS SITE INCLUDE: SMITHFIELD MAJOR LAND DEVELOPMENT, SMITHFIELD SOIL EROSION COMMISSION, R.I.D.E.M. WETLANDS, R.I.D.E.M. RIPDES, R.I.D.O.T., AND LOCAL WATER AND SEWER APPROVALS.
- APPROVAL FROM THE SMITHFIELD ZONING BOARD WAS RECEIVED ON JUNE 27, 2012 (FILE NO. 12-0111) GRANTING SPECIAL USE PERMITS FOR THIS SITE. RECORDED BK. 859 PG. 231-238.

**LAYOUT NOTE**

THE LAYOUT SHOWN REPRESENTS A GRAPHICAL DESIGN, AND PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL ENGAGE A PROFESSIONAL LAND SURVEYOR (PLS) REGISTERED IN THE STATE TO SET AND VERIFY ALL LINES AND GRADES. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY ITEM FOUND WHICH DOES NOT MATCH THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION FOR REVIEW. NO WORK SHALL PROCEED UNTIL AUTHORIZED BY THE ENGINEER.

**MAINTENANCE AND PROTECTION OF TRAFFIC NOTES**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC INCLUDING POLICE PROTECTION. ALL TEMPORARY CONSTRUCTION SIGNS, BARRICADES AND LANE CLOSURES SHALL BE IN CONFORMANCE WITH THE LATEST REVISIONS OF MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)
- TEMPORARY CONSTRUCTION SIGNS AND ALL APPLICABLE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC.
- THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS WILL NOT BE PARKED IN THE ROADWAY RIGHT-OF-WAY.
- ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS, CHANNELING DEVICES, ETC., SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 1988 EDITION, INCLUDING REVISION 3, SEPTEMBER 3, 1993, AND SUBSEQUENT ADDENDA.
- SIGN MOUNTINGS SHALL BE IN ACCORDANCE WITH THE STATE D.O.T. SPECIFICATIONS FOR TEMPORARY CONSTRUCTION SIGNS.

**SOIL EVALUATION DATA**

SOIL EVALUATIONS A THROUGH F WERE CONDUCTED BY CROSSMAN ENGINEERING ON JULY 27, 2012.

TEST PIT A	TEST PIT B	TEST PIT C	TEST PIT D	TEST PIT E	TEST PIT F
0" FOREST LITTER E 3" VERY DARK GRAYISH BROWN FINE SANDY LOAM A (FRIABLE) 6" YELLOWISH BROWN VERY FINE SANDY LOAM Bw1 (FRIABLE) 15" YELLOWISH BROWN FINE SANDY LOAM Bw2 (FRIABLE) 38" LIGHT YELLOWISH BROWN STONY GRAVELLY LOAMY FINE SAND C (FRIABLE) 80" LIGHT OLIVE BROWN LOAMY FINE SAND C2 (FRIABLE) 118" NO REFUSAL NO WATER SEEPAGE NO REDOX FEATURES 80" DESIGN GWT (ESHWT)	0" FOREST LITTER E 4" DARK BROWN FINE SANDY LOAM A (FRIABLE) 7" YELLOWISH BROWN FINE SANDY LOAM Bw1 (FRIABLE) 15" YELLOWISH BROWN VERY FINE SANDY LOAM Bw2 (FRIABLE) 33" LIGHT YELLOWISH BROWN STONY GRAVELLY LOAMY FINE SAND C (FRIABLE) 98" 98" REFUSAL NO WATER SEEPAGE NO REDOX FEATURES 96" DESIGN GWT (ESHWT)	0" FOREST LITTER E 4" DARK YELLOWISH BROWN STONY FINE SANDY LOAM A (FRIABLE) 7" DARK YELLOWISH BROWN FINE SANDY LOAM Bw1 (FRIABLE) 14" YELLOWISH BROWN STONY SANDY LOAM Bw2 (FRIABLE) 30" LIGHT OLIVE BROWN STONY SANDY LOAM C (FRIABLE) 48" LIGHT OLIVE BROWN STONY GRAVELLY SANDY LOAM/LOAMY FINE SAND C (FRIABLE) 84" 84" REFUSAL NO WATER SEEPAGE NO REDOX FEATURES 42" DESIGN GWT (ESHWT)	0" FOREST LITTER E 2" VERY DARK BROWN FINE SANDY LOAM A (FRIABLE) 5" DARK YELLOWISH BROWN FINE SANDY LOAM Bw1 (FRIABLE) 13" DARK YELLOWISH BROWN VERY FINE SANDY LOAM Bw2 (FRIABLE) 33" LIGHT OLIVE BROWN GRAVELLY LOAMY SAND C (FRIABLE) 66" 66" REFUSAL NO WATER SEEPAGE 36" REDOX FEATURES 36" DESIGN GWT (ESHWT)	0" FOREST LITTER E 2" VERY DARK GRAYISH BROWN FINE SANDY LOAM A (FRIABLE) 5" YELLOWISH BROWN FINE SANDY LOAM Bw1 (FRIABLE) 12" LIGHT OLIVE BROWN VERY FINE SANDY LOAM Bw2 (FRIABLE) 34" LIGHT YELLOWISH BROWN GRAVELLY FINE SAND/LOAMY FINE SAND C (FRIABLE) 46" 46" REFUSAL NO WATER SEEPAGE NO REDOX FEATURES 46" DESIGN GWT (ESHWT)	0" FOREST LITTER E 2" VERY DARK GRAYISH BROWN FINE SANDY LOAM A (FRIABLE) 6" YELLOWISH BROWN FINE SANDY LOAM Bw1 (FRIABLE) 12" LIGHT OLIVE BROWN VERY FINE SANDY LOAM Bw2 (FRIABLE) 34" LIGHT YELLOWISH BROWN GRAVELLY LOAMY VERY FINE SAND C (FRIABLE) 58" 58" REFUSAL NO WATER SEEPAGE 36" DESIGN GWT (ESHWT)

**FLOOD ZONE NOTE**

THE SITE IS LOCATED IN ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD, AS SHOWN ON THE FLOOD INSURANCE RATE MAP, PROVIDENCE COUNTY, RHODE ISLAND (ALL JURISDICTIONS), PANEL 186 OF 451, MAP NUMBER 44007C0186G, EFFECTIVE DATE MARCH 2, 2009.

**ENVIRONMENTAL NOTES**

- THE WATERBODY ID AND BASIN NAME IS IDENTIFIED AS RI 0001 004R-01 CROOKFALL BROOK. THIS WATERBODY IS ON THE IMPAIRMENT LIST FOR ENTEROCOCCUS.
- THIS SITE IS NOT DESIGNATED AS A NATURAL RESOURCE HERITAGE SITE (PER RIDEM ENVIRONMENTAL RESOURCE GIS).
- THE WATERSHED WATER CLASSIFICATION IS AA.
- THIS SITE IS NOT IDENTIFIED AS A LUHPPL SITE.

**PROPOSED PAVEMENT STRUCTURE**

**PAVEMENT TYPE A - ROCKY HILL ROAD and RESERVOIR ROAD**

- 1 1/2" BITUMINOUS CONCRETE SURFACE COURSE
- 2 1/2" BITUMINOUS CONCRETE BASE COURSE
- 8" RECLAIMED PAVEMENT

**PAVEMENT TYPE B-PARKING LOT**

- 1-1/2" BITUMINOUS CONCRETE SURFACE COURSE
- 2" BITUMINOUS CONCRETE BASE COURSE
- 8" GRAVEL BORROW SUBBASE

**RESERVOIR ROAD EXTENTION PAVEMENT**

- 1 1/2" BITUMINOUS CONCRETE SURFACE COURSE
- 2 1/2" BITUMINOUS CONCRETE BASE COURSE
- 8" GRAVEL BASE

**PAVEMENT TYPE C**

- 2" BITUMINOUS CONCRETE SURFACE COURSE
- 2" BITUMINOUS CONCRETE BASE COURSE
- 12" GRAVEL BORROW SUBBASE

**STORMWATER MANAGEMENT SYSTEM DESIGN INFILTRATION RATES**

THE DESIGN INFILTRATION RATES USED FOR THE PROPOSED STORMWATER MANAGEMENT SYSTEM HAS BEEN ESTABLISHED BY USING THE SOIL EVALUATION SOIL TEXTURES FOR THE C HORIZON (LOAMY SAND) IN REFERENCE TO TABLE 5-3 IN THE RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL, DECEMBER 2010. THE DESIGN INFILTRATION RATE IS 2.41 in/hr.

**CONSTRUCTION NOTES**

- THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO INSTALLATION OF UTILITIES ON SITE. THE COORDINATION IS NECESSARY FOR THE ENGINEER TO SCHEDULE SITE INSPECTIONS. INSTALLATIONS PERFORMED WITHOUT INSPECTIONS BY THE ENGINEER MAY WARRANT COMPLETE REMOVAL AND REINSTALLATION AT THE CONTRACTOR'S SOLE EXPENSE.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN DETAILED AS-BUILT INFORMATION FOR ALL UTILITY INSTALLATIONS. AS-BUILT INFORMATION MUST INCLUDE MATERIAL LIST, PIPE DEPTH AND SWING THE LOCATIONS (2 MINIMUM) FROM NEW PIPE TO BUILDING CORNERS. ALL PIPE BEND/ELBOW LOCATIONS SHALL BE DIMENSIONED. FINAL PAYMENT WILL NOT BE MADE UNTIL SUITABLE AS-BUILT DATA IS PROVIDED.

**SMITHFIELD PLANNING BOARD WAIVER REQUEST**

A WAIVER IS REQUESTED TO ALLOW TREE REMOVAL WITHIN 50' OF A RIGHT OF WAY LINE.

**SOIL NOTES**

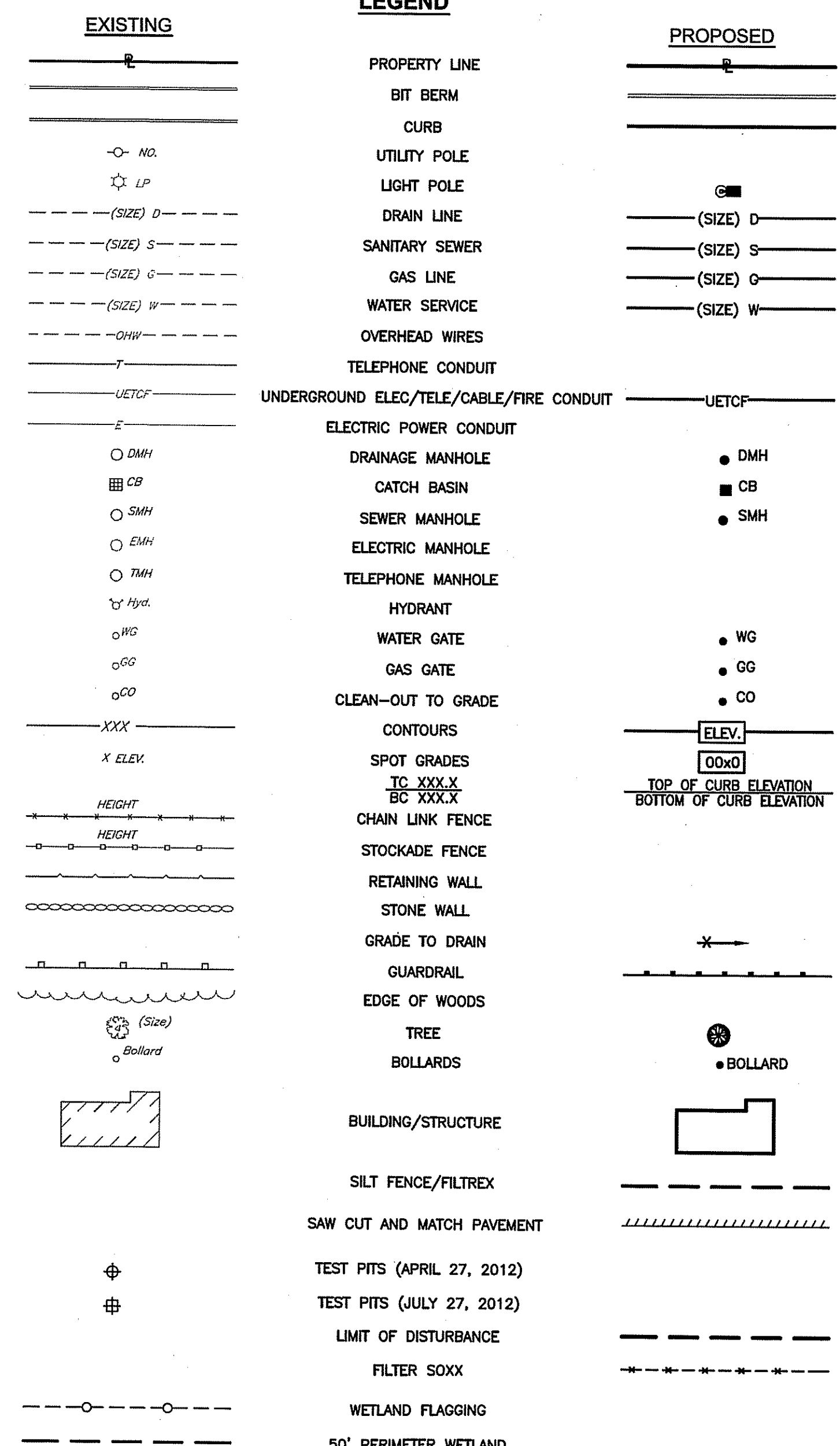
SOILS IDENTIFIED ON SITE ACCORDING TO THE SOIL SURVEY OF RHODE ISLAND ARE AS FOLLOWS:

- Pbb - PAXTON VERY STONY FINE SANDY LOAM, 0.8% SLOPES
- Rf - RIDGEBURY WHITMAN AND LEICESTER EXTREMELY STONY FINE SANDY LOAMS
- Ud - UDORTEM'S URBAN LAND COMPLEX
- Wob - WOODBRIDE VERY STONY FINE SANDY LOAM, 0.8% SLOPES

**SOIL EVALUATION SUMMARY - APRIL 27, 2012**

BELOW IS A SUMMARY OF THE SOIL EVALUATION RESULTS WITNESSED BY KEVIN FETZER (D-4029)

TEST PIT NUMBER	DEPTH TO GW SEE PAGE	ESHWT	DEPTH TO LIMITING LAYER	C HORIZON TEXTURE	SOIL CLASS
1	---	72"	120" NO LEDGE	GRAVELLY LOAMY SAND	LOGEMENT TILL
2	72"	24"	108" NO LEDGE	GRAVELLY LOAMY SAND	LOGEMENT TILL
3	---	0" OG	NONE	LOAMY FINE SAND AND GRAVELLY LOAMY SAND	ABLATION TILL
4	---	36"	52" LEDGE	LOAMY FINE SAND	ABLATION TILL
5	---	36"	90" LEDGE	LOAMY SAND	ABLATION TILL
6	48"	20"	60" LEDGE	SAND	ABLATION TILL



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED JAN 04 2013 FILE # 12-0140  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*Martin D. Wenech*

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 Fax: (401) 438-5773  
 www.watermanengineering.net

DEC -4 2012  
 KEY PLAN  
 STEVEN M. CABRAL  
 4847  
 REGISTERED PROFESSIONAL ENGINEER

PROJECT TITLE:  
**PROPOSED WAREHOUSE EXPANSION**  
 PLAT MAP 48, LOT 17B  
 ZONING DISTRICT PCD  
 PLANNED CORPORATE DISTRICT  
 500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND

PREPARED FOR:  
**FGX INTERNATIONAL, INC.**  
 500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND  
 02917

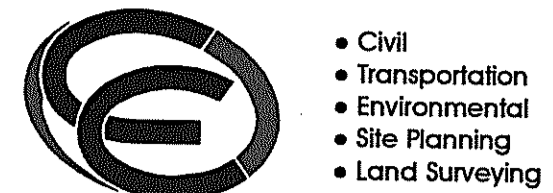
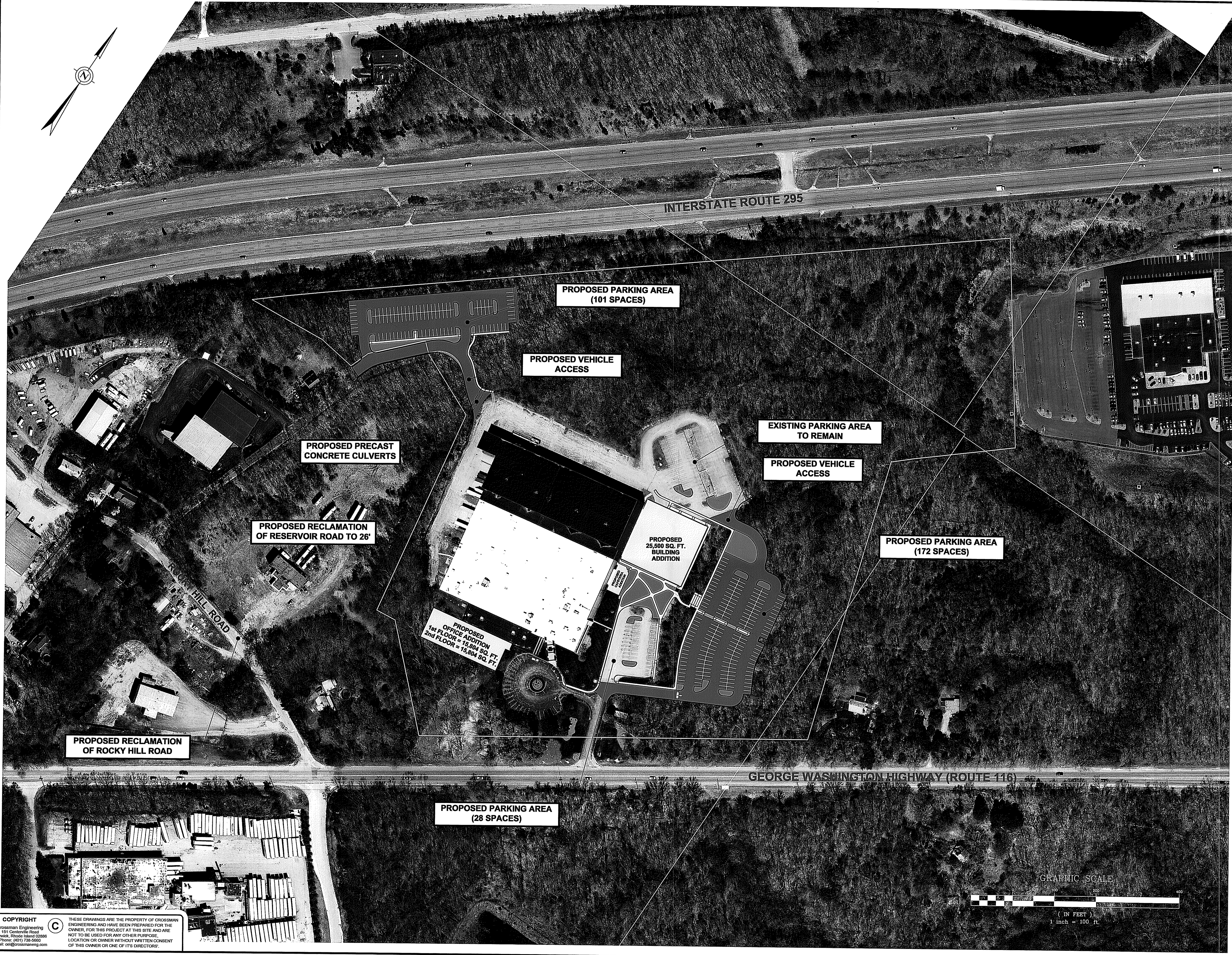
**GENERAL NOTES and LEGEND**

DATE:	SCALE:
AUGUST 2012	NO SCALE
DWG. NAME:	
1841-C01-NOTES-R5.dwg	

REVISIONS

NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12

DRAWING NUMBER  
**C1**  
 SHEET: 4 OF 28  
 AGENCY REVIEW SUBMISSION



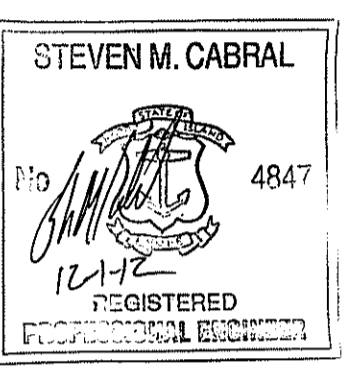
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DEC - 4 2012

KEY PLAN



PROJECT TITLE:  
**PROPOSED WAREHOUSE EXPANSION**  
 PLAT MAP 48, LOT 17B  
 ZONING DISTRICT PCD  
 PLANNED CORPORATE DISTRICT  
 500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND

PREPARED FOR:  
**FGX INTERNATIONAL, INC.**  
 500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND  
 02917

DRAWING TITLE:  
**OVERALL SITE PLAN and AERIAL MAP**

DATE: AUGUST 2012 SCALE: 1"=100'  
 DWG. NAME: 1841-C02-AERIAL-R5.dwg

REVISIONS

NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12

DRAWN: JAN 04 2013 12-0140  
 NO CHANGES  
 APPROVED PLANS

DRAWING NUMBER: **C2**  
 SHEET: 5 OF 28

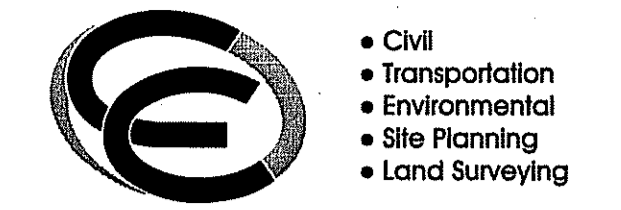
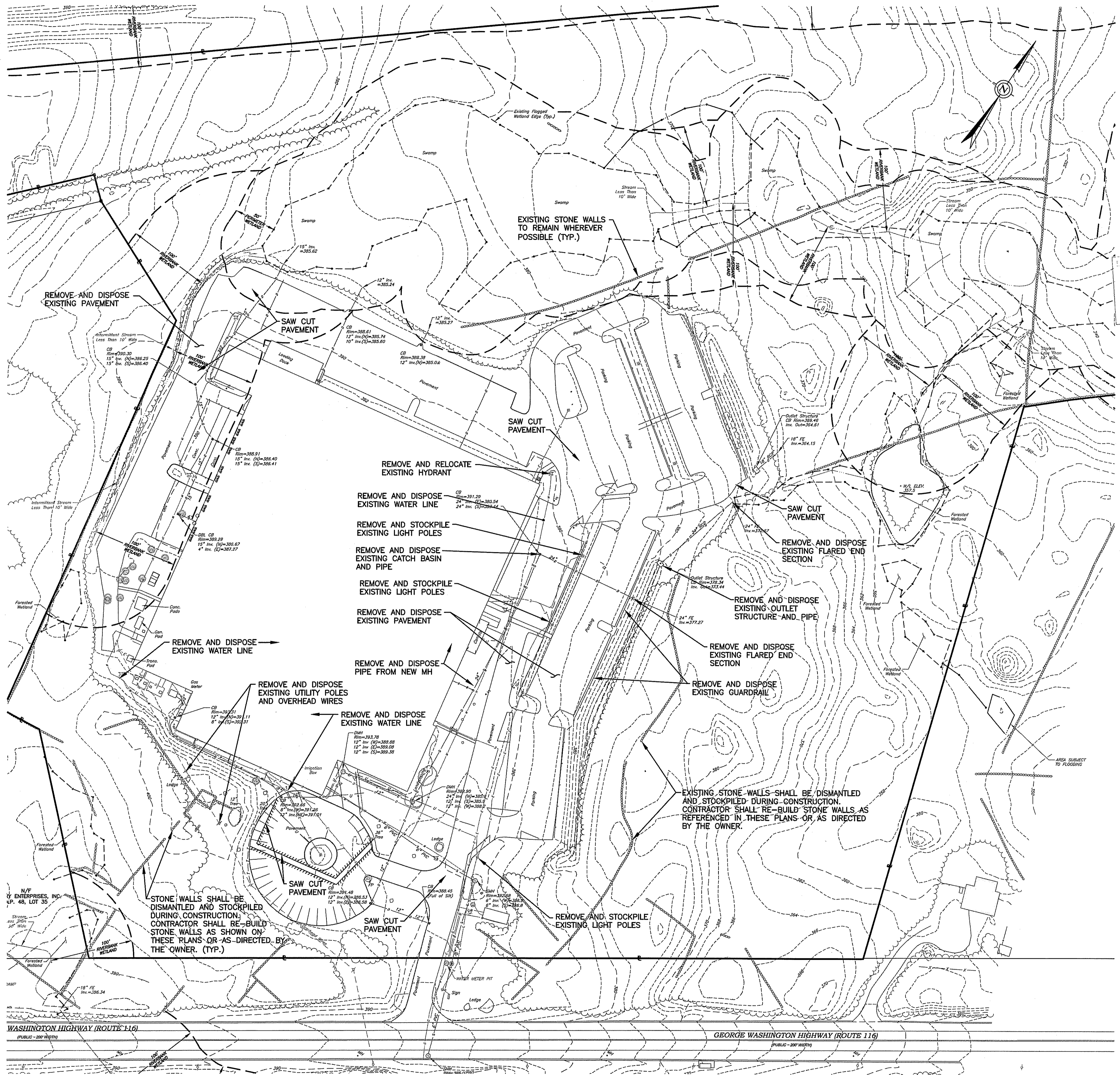
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**DEMOLITION NOTES**

- CONTRACTOR TO INSTALL TEMPORARY FENCING FOR PROTECTION OF PEDESTRIANS AND VEHICLES DURING CONSTRUCTION.
- THE DEMOLITION WORK SHALL INCLUDE THE PROPER DISPOSAL OF UTILITY PIPES, CONDUIT AND STRUCTURES WITHIN THE AREA NOTED ON THE PLAN. DEMOLITION SHALL BE LIMITED TO THE LOCATIONS SHOWN.
- DEBRIS OF ANY NATURE SHALL NOT BE ALLOWED TO ACCUMULATE IN THE STREETS, SIDEWALK AREAS OR GROUND SURROUNDING THE DEMOLITION WORK.
- ALL REQUIRED AUTHORIZATION TO PERFORM WORK MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- UPON COMPLETION OF THE DEMOLITION WORK, THE SITE SHALL BE LEFT IN A CLEAN AND SAFE CONDITION.
- UTILITY PIPES, CONDUITS AND STRUCTURES SHALL BE REMOVED AND DISPOSED OFF SITE. CAVITIES SHALL BE FILLED TO THE LEVEL OF THE SURROUNDING GROUND. FILL SHALL CONSIST OF GRAVEL BORROW AS SPECIFIED IN THE CONTRACT SPECIFICATIONS. FOR ALL EXCAVATION AND PLACEMENT OF FILL, THE CONTRACTOR SHALL PERFORM THE WORK IN FULL COMPLIANCE WITH THE R.I. STANDARD SPECIFICATION SECTION 202.
- THE CONTRACTOR SHALL SHORE UP, BRACE, UNDERPIN AND PROTECT ALL WALLS AND OTHER PARTS OF EXISTING STRUCTURES ADJACENT TO THE DEMOLITION AREA WHICH MAY BE AFFECTED IN ANY WAY BY THE DEMOLITION OPERATIONS.
- WHEN HOLES, PITS OR OTHER HAZARDOUS DEPRESSIONS ARE ADJACENT TO OR WITHIN EIGHT (8) FEET OF ANY SIDEWALK AREA AND ARE UNPROTECTED, A TEMPORARY GUARD FENCE SHALL BE IMMEDIATELY ERECTED FOR THE PROTECTION OF PEDESTRIANS. THE FENCING MATERIAL SHALL BE FREE FROM NAILS, FASTENINGS OR SPLINTERS, AND SHALL PRESENT A REASONABLY SMOOTH SURFACE ON THE SIDES OF POSSIBLE CONTACT. SUCH TEMPORARY FENCES SHALL BE LEFT IN PLACE AND SHALL BE PROPERLY MAINTAINED UNTIL THE HOLES, PITS OR DEPRESSIONS HAVE BEEN PROPERLY FILLED.
- THE CONTRACTOR SHALL AT ALL TIMES PROVIDE A SUFFICIENT NUMBER OF WORKMEN AND GUARDS AS MAY BE NECESSARY TO PROPERLY SAFEGUARD THE PUBLIC FROM HIS OPERATIONS.
- DURING THE DEMOLITION PROCESS THE CONTRACTOR SHALL USE SUFFICIENT WATER OR NON-SALVABLE MATERIALS TO PREVENT EXCESSIVE SPREADING OF DUST DURING DEMOLITION OPERATIONS.
- THE REMOVAL OF ALL ITEMS ASSOCIATED WITH THIS SITE SHALL BE DONE IN ACCORDANCE WITH THE APPROPRIATE STATE STANDARDS, FEDERAL REGULATIONS.
- THE CONTRACTOR SHALL TAKE PRECAUTIONS AGAINST THE DAMAGING OF PAVING, SIDEWALKS, UTILITIES, OR PRIVATE PROPERTIES AND SHALL PROMPTLY REPAIR AT HIS OWN EXPENSE ANY DAMAGE TO SUCH PAVING, SIDEWALKS, UTILITIES, OR PRIVATE PROPERTIES TO THE SATISFACTION OF THE OWNER.
- FOR UTILITY SERVICE REMOVAL, THE CONTRACTOR IS RESPONSIBLE TO CONTACT ALL APPLICABLE UTILITY COMPANIES PRIOR TO WORK AND OBTAIN THE NECESSARY PERMITS AND AUTHORIZATIONS.
- UTILITY AND DRAINAGE SYSTEM REMOVAL AND DISPOSAL CAN ONLY OCCUR FOLLOWING THEIR RELOCATION IN ACCORDANCE WITH THE PLANS. ALL UTILITIES AND DRAINS MUST REMAIN ACTIVE.
- THE CONTRACTOR IS REQUIRED TO STOCKPILE ALL STONES WITHIN WALLS REMOVED DURING CONSTRUCTION. RE-USE OF THE STONES WILL BE IN BUILDING ARCHITECTURE AND/OR BY REBUILDING STONE WALLS ON SITE IN ACCORDANCE WITH R.I. STD. 10.2.0. WALL RECONSTRUCTION WILL BE AS SHOWN ON THESE PLANS OR AS DIRECTED BY OWNER. THE CONTRACTOR SHALL INCLUDE THIS WORK TO RE-BUILD STONE WALLS IN THE PROJECT'S BID PRICE.



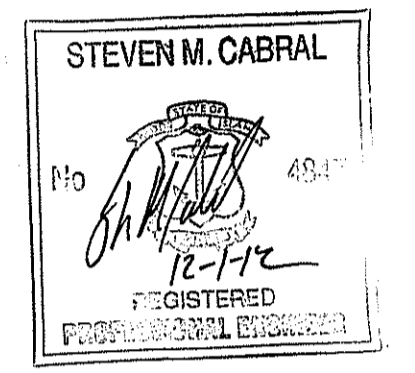
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DEC - 4 2012

KEY PLAN



**PROJECT TITLE:**  
**PROPOSED WAREHOUSE EXPANSION**

PLAT MAP 48, LOT 17B  
 ZONING DISTRICT PCD  
 PLANNED CORPORATE DISTRICT  
 500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND

**OWNER:**  
**FGX INTERNATIONAL, INC.**  
 500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND  
 02917

**DRAWING TITLE:**  
**SITE DEMOLITION PLAN**

**DATE:** AUGUST 2012 **SCALE:** 1"=60'  
**DWG. NAME:** 1841-C05-DEMO-R5.dwg

**REVISIONS**

NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12

DEPARTMENT OF ENVIRONMENT & PLANNING  
 OFFICE OF WATER RESOURCES  
 RIDEM WATER PLANTS  
 APPROVED WITH COMMENTS  
 AS SPECIFIED IN THE LETTER  
 DATED JAN 04 2013 FILE # 12-0140  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVED PLANS MUST BE AT COUNTY

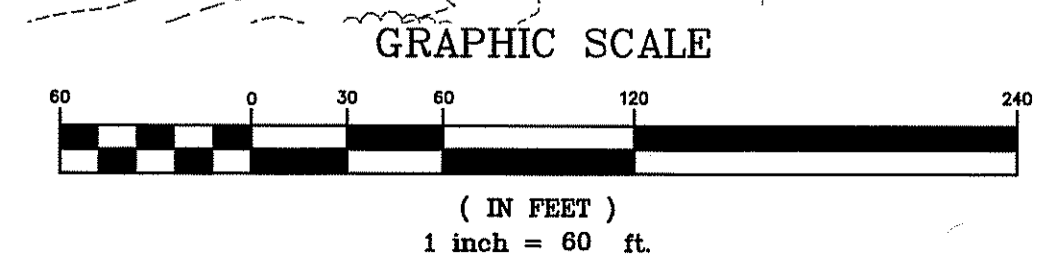
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**DESIGNER:** Steven M. Cabral  
**C5**

**SHEET:** 6 OF 28

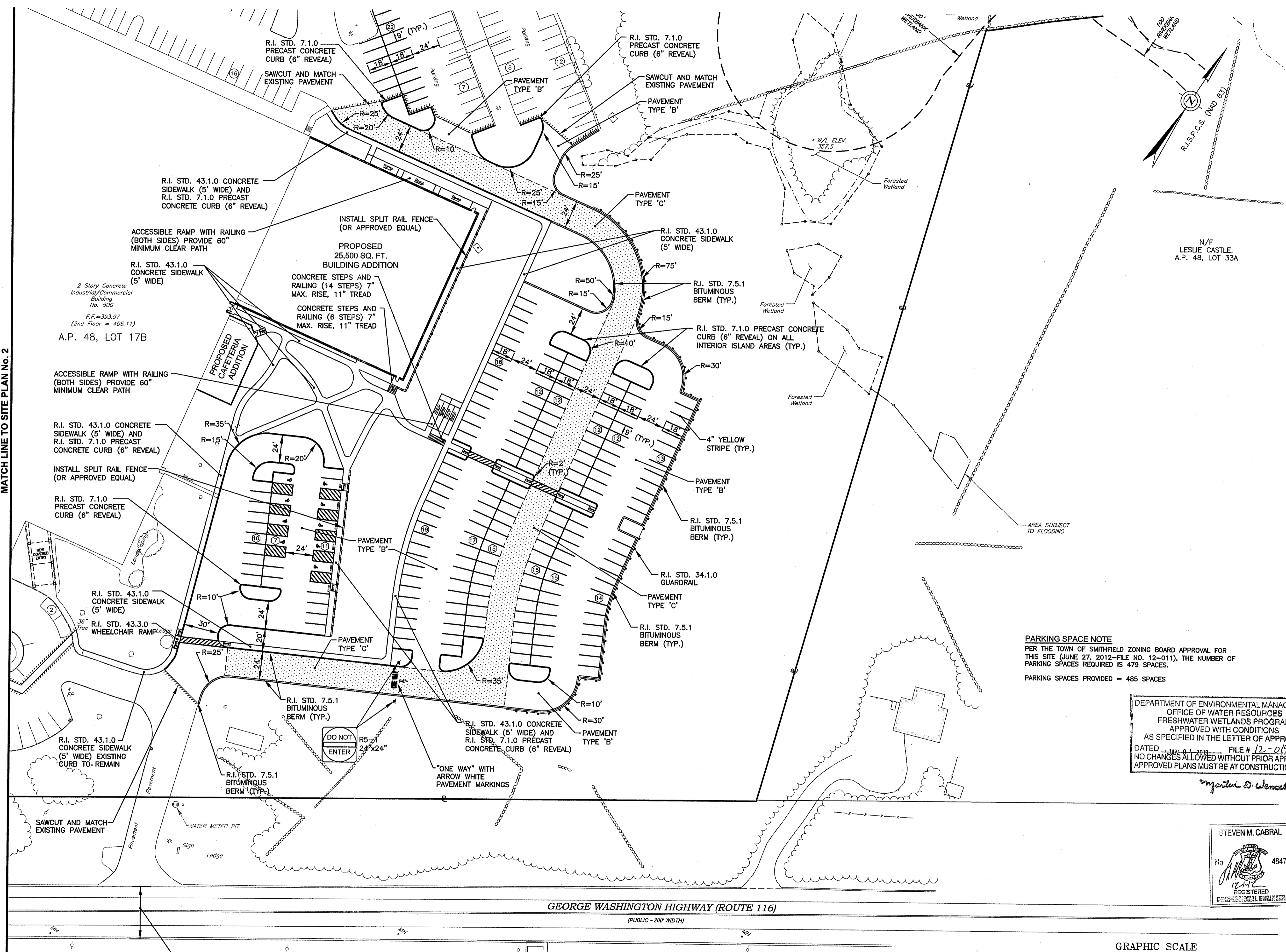
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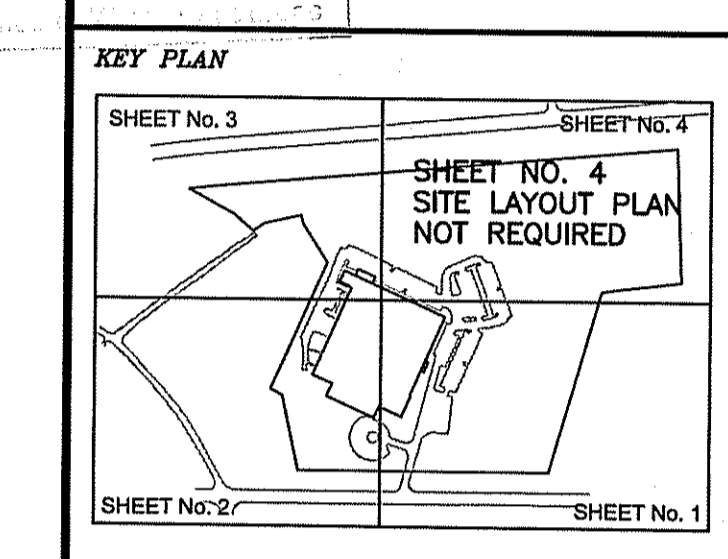
MATCH LINE TO SITE PLAN No. 2



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**PROJECT TITLE:**  
**PROPOSED WAREHOUSE EXPANSION**

PLAT MAP 48, LOT 17B  
 ZONING DISTRICT PCD  
 PLANNED CORPORATE DISTRICT  
 500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND

**PREPARED FOR:**  
**FGX INTERNATIONAL, INC.**

500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND  
 02917

**DRAWING TITLE:**  
**SITE LAYOUT PLAN No. 1**

**DATE:** AUGUST 2012  
**SCALE:** 1"=40'

**DWG. NAME:** 1841-C06-SITE-R5.dwg

**REVISIONS**

NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12

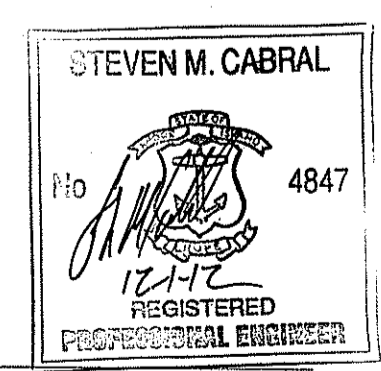
**DRAWING NUMBER**  
**C6.1**  
 SHEET: 7 OF 28

**AGENCY REVIEW SUBMISSION**

**PARKING SPACE NOTE**  
 PER THE TOWN OF SMITHFIELD ZONING BOARD APPROVAL FOR THIS SITE (JUNE 27, 2012-FILE NO. 12-011), THE NUMBER OF PARKING SPACES REQUIRED IS 479 SPACES.  
 PARKING SPACES PROVIDED = 485 SPACES

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED: JAN 07 2013 FILE # 12-0140  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

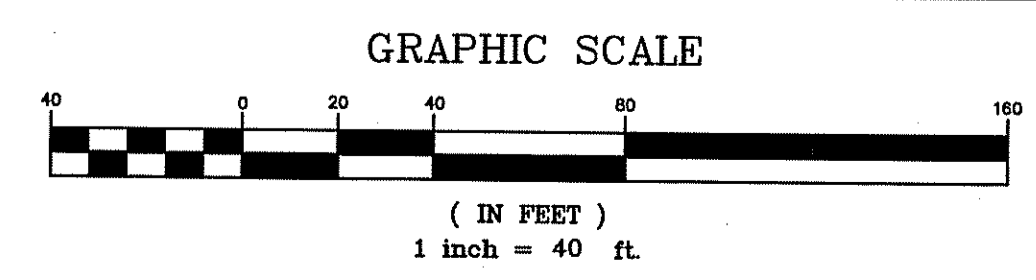
*Myra D. Wenzel*



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REFER TO PHYSICAL ALTERATION PERMIT PLAN SET PREPARED BY RAB PROFESSIONAL ENGINEERS, INC.

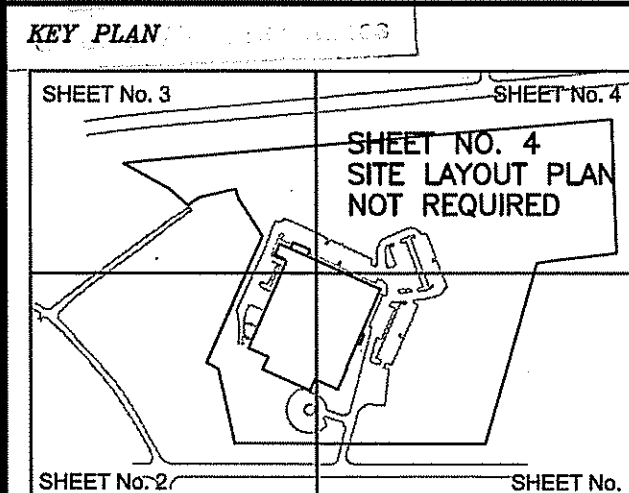




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DEC - 4 2012



**PROPOSED WAREHOUSE EXPANSION**

PLAT MAP 48, LOT 17B  
 ZONING DISTRICT PCD  
 PLANNED CORPORATE DISTRICT  
 500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND

PREPARED FOR:  
**FGX INTERNATIONAL, INC.**  
 500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND  
 02917

**SITE LAYOUT PLAN No. 2**

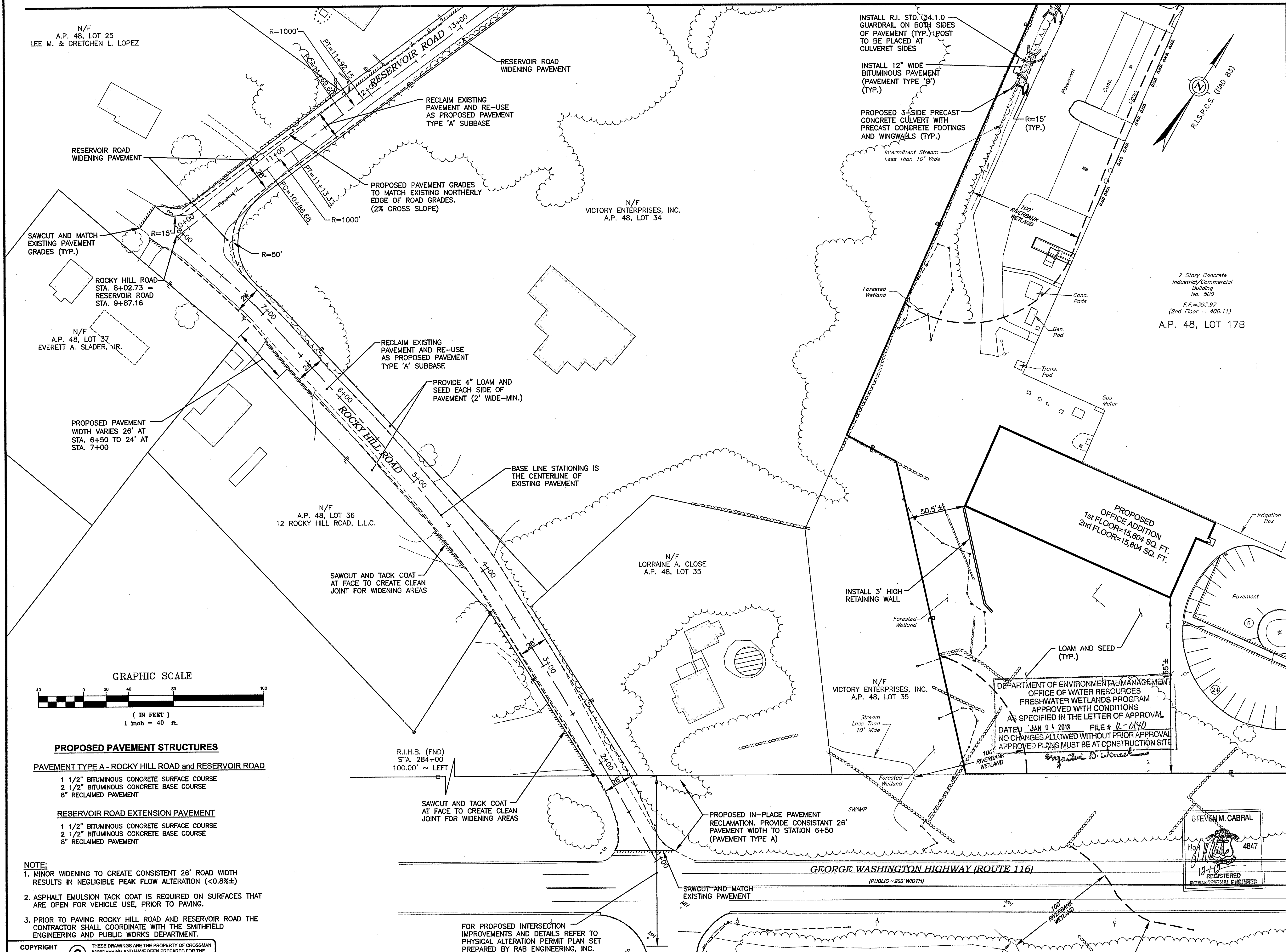
DATE: AUGUST 2012 SCALE: 1"=40'

DWG. NAME: 1841-C06-SITE-R5.dwg

NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12

DRAWING NUMBER  
**C6.2**  
 SHEET: 8 OF 28  
 AGENCY REVIEW SUBMISSION

MATCH LINE TO SITE PLAN No. 3



MATCH LINE TO SITE PLAN No. 1

N/F  
 A.P. 48, LOT 25  
 LEE M. & GRETCHEN L. LOPEZ

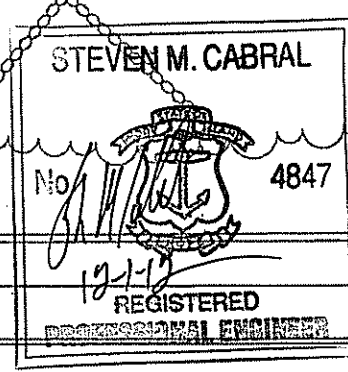
N/F  
 VICTORY ENTERPRISES, INC.  
 A.P. 48, LOT 34

N/F  
 A.P. 48, LOT 37  
 EVERETT A. SLADER, JR.

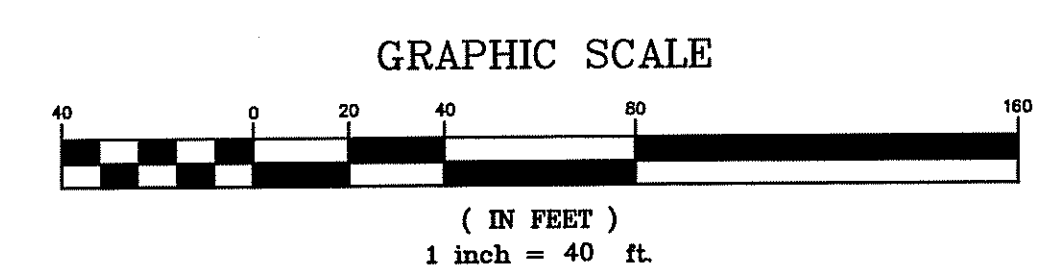
N/F  
 A.P. 48, LOT 36  
 12 ROCKY HILL ROAD, L.L.C.

N/F  
 LORRAINE A. CLOSE  
 A.P. 48, LOT 35

N/F  
 VICTORY ENTERPRISES, INC.  
 A.P. 48, LOT 35



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
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 DATED JAN 04 2013 FILE # 12-0140  
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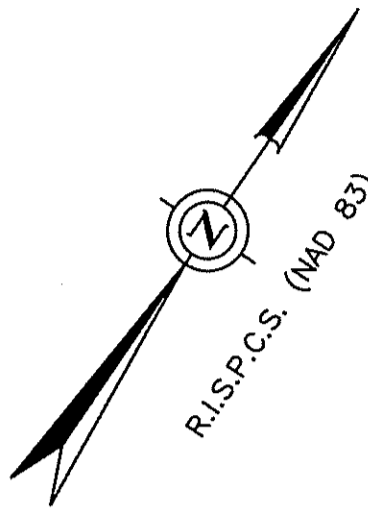
- PROPOSED PAVEMENT STRUCTURES**
- PAVEMENT TYPE A - ROCKY HILL ROAD and RESERVOIR ROAD**
- 1 1/2" BITUMINOUS CONCRETE SURFACE COURSE
  - 1 1/2" BITUMINOUS CONCRETE BASE COURSE
  - 8" RECLAIMED PAVEMENT
- RESERVOIR ROAD EXTENSION PAVEMENT**
- 1 1/2" BITUMINOUS CONCRETE SURFACE COURSE
  - 1 1/2" BITUMINOUS CONCRETE BASE COURSE
  - 8" RECLAIMED PAVEMENT

- NOTE:**
- MINOR WIDENING TO CREATE CONSISTENT 26' ROAD WIDTH RESULTS IN NEGLIGIBLE PEAK FLOW ALTERATION (<0.8%±)
  - ASPHALT EMULSION TACK COAT IS REQUIRED ON SURFACES THAT ARE OPEN FOR VEHICLE USE, PRIOR TO PAVING.
  - PRIOR TO PAVING ROCKY HILL ROAD AND RESERVOIR ROAD THE CONTRACTOR SHALL COORDINATE WITH THE SMITHFIELD ENGINEERING AND PUBLIC WORKS DEPARTMENT.

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 Email: cel@crossmaneng.com

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FOR PROPOSED INTERSECTION IMPROVEMENTS AND DETAILS REFER TO PHYSICAL ALTERATION PERMIT PLAN SET PREPARED BY RAB ENGINEERING, INC.

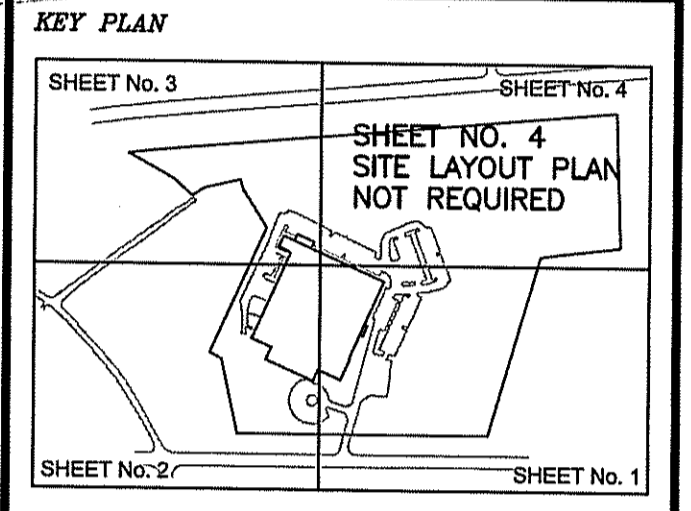


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*Steven M. Cabral*

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 151 Centerville Road | Warwick, Rhode Island 02886  
 Phone: (401) 738-5660 | Fax: (401) 738-8157  
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 Engineers & Surveyors - Est. 1894  
 46 Sutton Avenue  
 East Providence, RI  
 Phone: (401) 438-5775  
 Fax: (401) 438-5773  
 www.watermanengineering.net



PROJECT TITLE:  
**PROPOSED WAREHOUSE EXPANSION**

PLAT MAP 48, LOT 17B  
 ZONING DISTRICT PCD  
 PLANNED CORPORATE DISTRICT

500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND

PREPARED FOR:  
**FGX INTERNATIONAL, INC.**

500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND  
 02917

DRAWING TITLE:  
**SITE LAYOUT PLAN No. 3**

DATE: AUGUST 2012 SCALE: 1"=40'

DWG. NAME: 1841-C06-SITE-R5.dwg

REVISIONS

NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12

STEVEN M. CABRAL  
 No. 4847  
 REGISTERED PROFESSIONAL ENGINEER

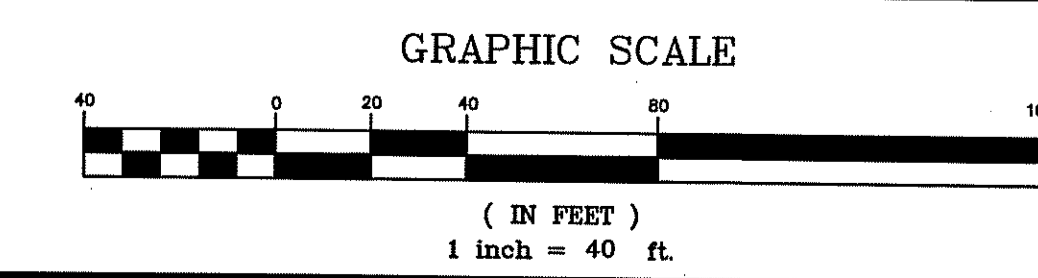
DRAWING NUMBER  
**C6.3**  
 SHEET: 9 OF 28  
 AGENCY REVIEW SUBMISSION

N/F  
 123 ASSOCIATES LLC.  
 A.P. 48, LOT 26

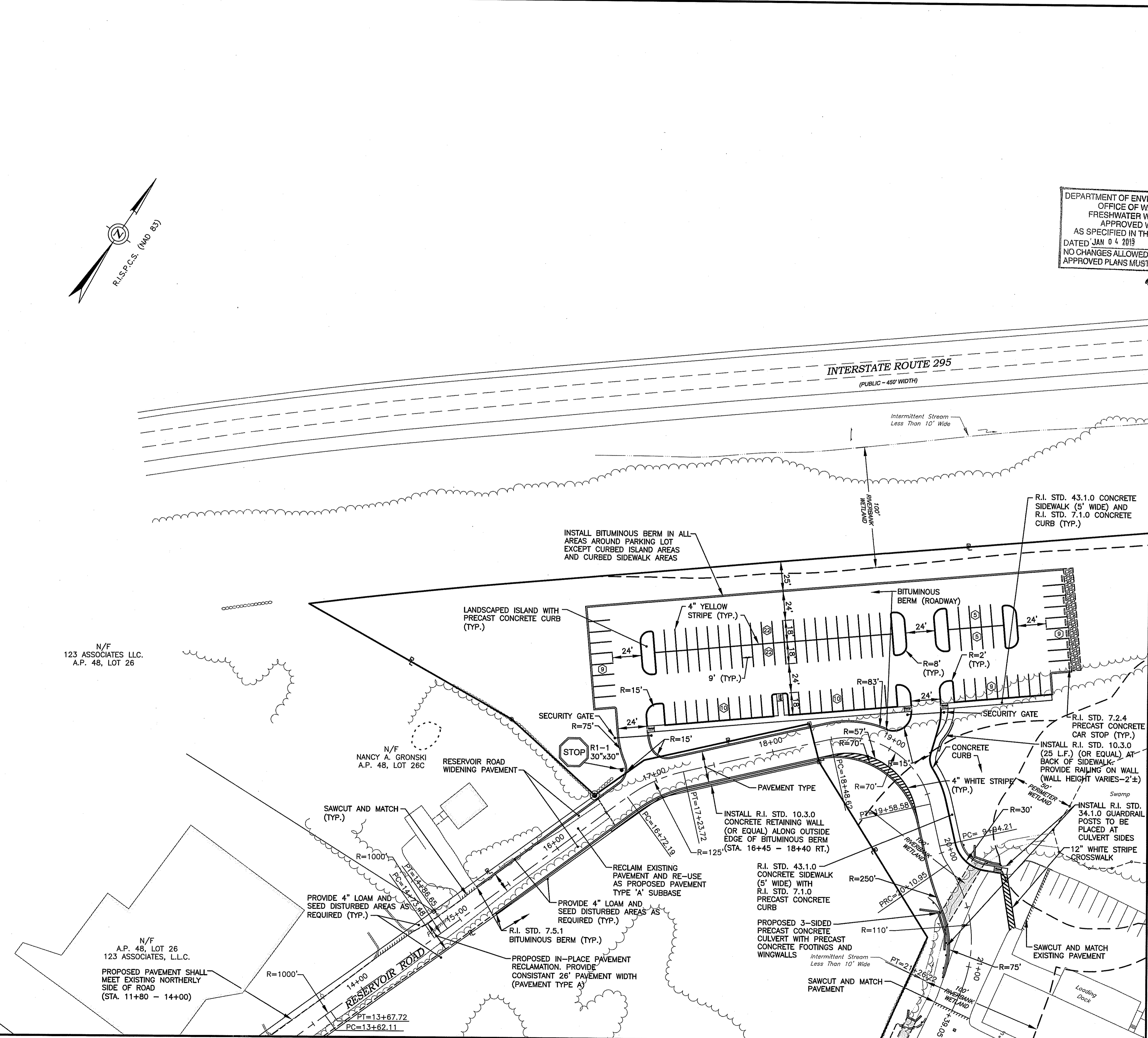
N/F  
 NANCY A. GRONSKI  
 A.P. 48, LOT 26C

N/F  
 A.P. 48, LOT 26  
 123 ASSOCIATES, L.L.C.  
 PROPOSED PAVEMENT SHALL MEET EXISTING NORTHERLY SIDE OF ROAD (STA. 11+80 - 14+00)

MATCH LINE TO SITE PLAN No. 2



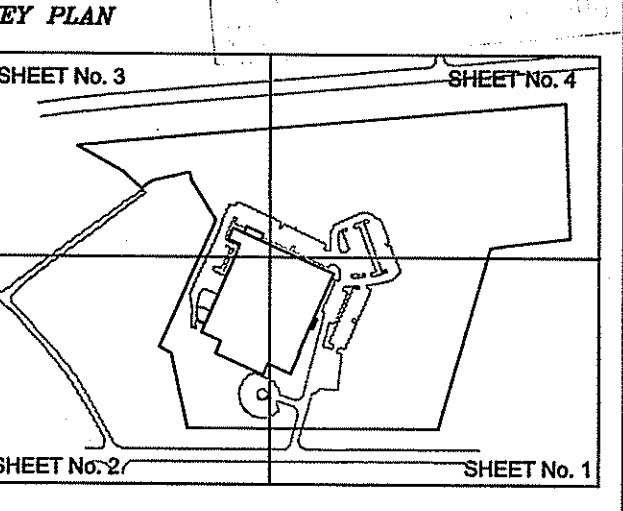
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MATCH LINE TO GRADING and DRAINAGE PLAN No.4

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**PROJECT TITLE:**  
**PROPOSED WAREHOUSE EXPANSION**

PLAT MAP 48, LOT 17B  
 ZONING DISTRICT PCD  
 PLANNED CORPORATE DISTRICT

500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND

**PREPARED FOR:**  
**FGX INTERNATIONAL, INC.**

500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND  
 02917

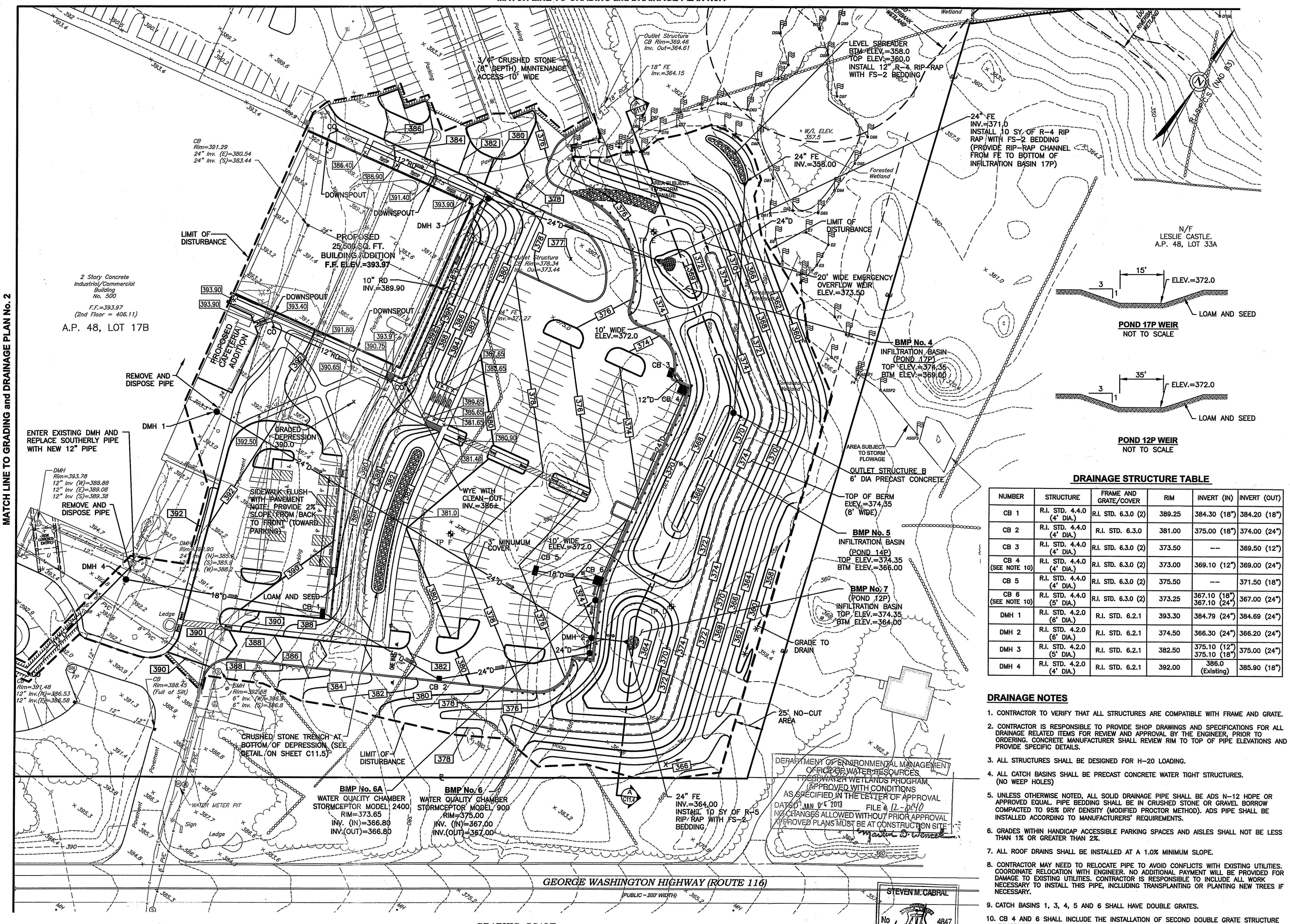
**DRAWING TITLE:**  
**GRADING and DRAINAGE PLAN No. 1**

**DATE:** AUGUST 2012      **SCALE:** 1"=40'  
**DWG. NAME:** 1841-C07-GRADE-R6.dwg

**REVISIONS**

NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12
6	R.I.D.E.M RESUBMISSION	12/13/12

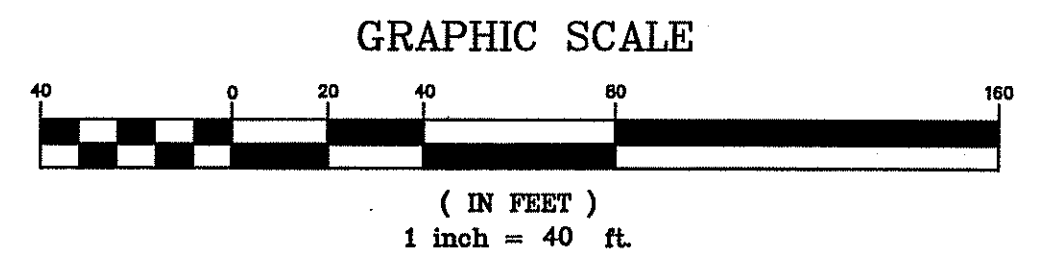
**DRAWING NUMBER**  
**C7.1**  
 SHEET: 10 OF 28  
**AGENCY REVIEW SUBMISSION**



MATCH LINE TO GRADING and DRAINAGE PLAN No. 2

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**DRAINAGE STRUCTURE TABLE**

NUMBER	STRUCTURE	FRAME AND GRATE/COVER	RIM	INVERT (IN)	INVERT (OUT)
CB 1	R.I. STD. 4.4.0 (4' DIA.)	R.I. STD. 6.3.0 (2)	389.25	384.30 (18")	384.20 (18")
CB 2	R.I. STD. 4.4.0 (4' DIA.)	R.I. STD. 6.3.0	381.00	375.00 (18")	374.00 (24")
CB 3	R.I. STD. 4.4.0 (4' DIA.)	R.I. STD. 6.3.0 (2)	373.50	---	369.50 (12")
CB 4 (SEE NOTE 10)	R.I. STD. 4.4.0 (4' DIA.)	R.I. STD. 6.3.0 (2)	373.00	369.10 (12")	369.00 (24")
CB 5	R.I. STD. 4.4.0 (4' DIA.)	R.I. STD. 6.3.0 (2)	375.50	---	371.50 (18")
CB 6 (SEE NOTE 10)	R.I. STD. 4.4.0 (5' DIA.)	R.I. STD. 6.3.0 (2)	373.25	367.10 (18") 367.10 (24")	367.00 (24")
DMH 1	R.I. STD. 4.2.0 (6' DIA.)	R.I. STD. 6.2.1	393.30	384.79 (24")	384.69 (24")
DMH 2	R.I. STD. 4.2.0 (6' DIA.)	R.I. STD. 6.2.1	374.50	366.30 (24")	366.20 (24")
DMH 3	R.I. STD. 4.2.0 (5' DIA.)	R.I. STD. 6.2.1	382.50	375.10 (12") 375.10 (18")	375.00 (24")
DMH 4	R.I. STD. 4.2.0 (4' DIA.)	R.I. STD. 6.2.1	392.00	386.0 (Existing)	385.90 (18")

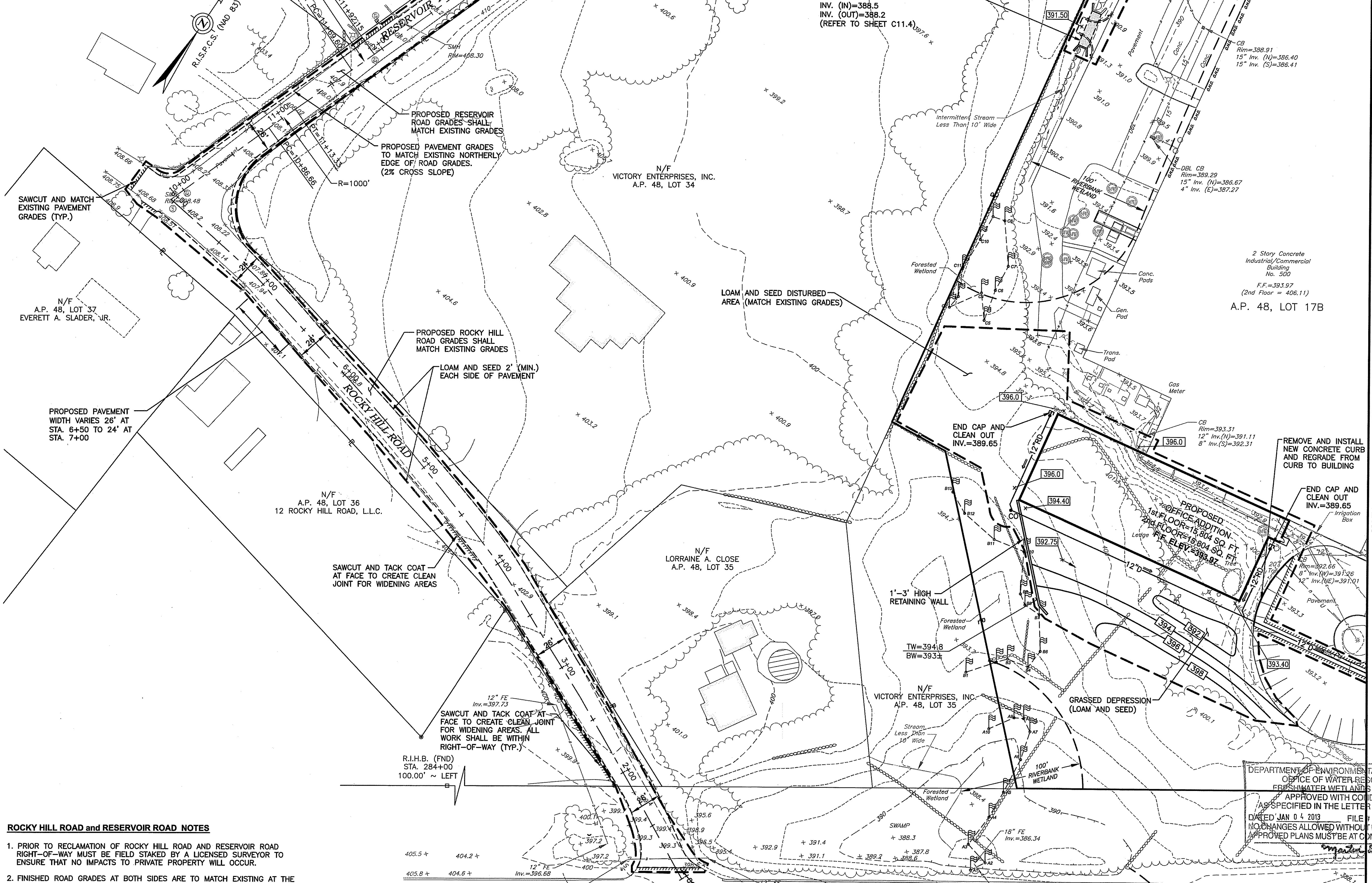
- DRAINAGE NOTES**
- CONTRACTOR TO VERIFY THAT ALL STRUCTURES ARE COMPATIBLE WITH FRAME AND GRATE.
  - CONTRACTOR IS RESPONSIBLE TO PROVIDE SHOP DRAWINGS AND SPECIFICATIONS FOR ALL DRAINAGE RELATED ITEMS FOR REVIEW AND APPROVAL BY THE ENGINEER, PRIOR TO ORDERING. CONCRETE MANUFACTURER SHALL REVIEW RIM TO TOP OF PIPE ELEVATIONS AND PROVIDE SPECIFIC DETAILS.
  - ALL STRUCTURES SHALL BE DESIGNED FOR H-20 LOADING.
  - ALL CATCH BASINS SHALL BE PRECAST CONCRETE WATER TIGHT STRUCTURES. (NO WEEP HOLES)
  - UNLESS OTHERWISE NOTED, ALL SOLID DRAINAGE PIPE SHALL BE ADS N-12 HDPE OR APPROVED EQUAL. PIPE BEDDING SHALL BE IN CRUSHED STONE OR GRAVEL BORROW COMPACTED TO 95% DRY DENSITY (MODIFIED PROCTOR METHOD). ADS PIPE SHALL BE INSTALLED ACCORDING TO MANUFACTURERS' REQUIREMENTS.
  - GRADES WITHIN HANDICAP ACCESSIBLE PARKING SPACES AND AISLES SHALL NOT BE LESS THAN 1% OR GREATER THAN 2%.
  - ALL ROOF DRAINS SHALL BE INSTALLED AT A 1.0% MINIMUM SLOPE.
  - CONTRACTOR MAY NEED TO RELOCATE PIPE TO AVOID CONFLICTS WITH EXISTING UTILITIES. COORDINATE RELOCATION WITH ENGINEER. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR DAMAGE TO EXISTING UTILITIES. CONTRACTOR IS RESPONSIBLE TO INCLUDE ALL WORK NECESSARY TO INSTALL THIS PIPE, INCLUDING TRANSPLANTING OR PLANTING NEW TREES IF NECESSARY.
  - CATCH BASINS 1, 3, 4, 5 AND 6 SHALL HAVE DOUBLE GRATES.
  - CB 4 AND 6 SHALL INCLUDE THE INSTALLATION OF SECOND DOUBLE GRATE STRUCTURE IMMEDIATELY ADJACENT TO CB 4 AND 6, FOR A TOTAL OF FOUR (4) STANDARD INLET GRATES AT EACH LOW AREA.
  - CONTRACTOR SHALL TAKE SPECIAL CARE WHEN INSTALLING DRAINLINE FROM DMH 7 TO CB1 DUE TO THE PROXIMITY OF THE EXISTING GAS LINE LOCATION.
  - WATER QUALITY CHAMBERS SHALL BE STORMCEPTOR STRUCTURES OR APPROVED EQUAL.

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STEVEN M. CABRAL  
 No. 4847  
 REGISTERED PROFESSIONAL ENGINEER  
 12-18-12

MATCH LINE TO GRADING and DRAINAGE PLAN No.3

N/F  
A.P. 48, LOT 25  
LEE M. & GRETCHEN L. LOPEZ



INSTALL PRECAST CONCRETE  
OPEN BOTTOM CULVERT  
LENGTH=35'  
INV. (IN)=388.5  
INV. (OUT)=388.2  
(REFER TO SHEET C11.4)

CB RIM=388.81  
15" INV. (N)=386.40  
15" INV. (S)=386.41

DBL CB  
RIM=389.29  
15" INV. (N)=386.67  
4" INV. (S)=387.27

2 Story Concrete  
Industrial/Commercial  
Building  
No. 500  
F.F.=393.97  
(2nd Floor = 406.11)  
A.P. 48, LOT 17B

END CAP AND  
CLEAN OUT  
INV.=389.65

CB RIM=393.31  
12" INV. (N)=391.11  
8" INV. (S)=392.31

END CAP AND  
CLEAN OUT  
INV.=389.65

CB RIM=392.66  
12" INV. (N)=391.36  
8" INV. (S)=391.01

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STEVEN M. CABRAL  
No. 4847  
REGISTERED PROFESSIONAL ENGINEER

SAWCUT AND MATCH  
EXISTING PAVEMENT  
GRADES (TYP.)

N/F  
A.P. 48, LOT 37  
EVERETT A. SLADER, JR.

PROPOSED PAVEMENT  
WIDTH VARIES 26' AT  
STA. 6+50 TO 24' AT  
STA. 7+00

N/F  
A.P. 48, LOT 36  
12 ROCKY HILL ROAD, L.L.C.

SAWCUT AND TACK COAT  
AT FACE TO CREATE CLEAN  
JOINT FOR WIDENING AREAS

SAWCUT AND TACK COAT AT  
FACE TO CREATE CLEAN JOINT  
FOR WIDENING AREAS. ALL  
WORK SHALL BE WITHIN  
RIGHT-OF-WAY (TYP.)

R.I.H.B. (FND)  
STA. 284+00  
100.00' ~ LEFT

LOAM AND SEED DISTURBED  
AREA (MATCH EXISTING GRADES)

PROPOSED ROCKY HILL  
ROAD GRADES SHALL  
MATCH EXISTING GRADES

LOAM AND SEED 2' (MIN.)  
EACH SIDE OF PAVEMENT

PROPOSED PAVEMENT GRADES  
TO MATCH EXISTING NORTHERLY  
EDGE OF ROAD GRADES.  
(2% CROSS SLOPE)

PROPOSED RESERVOIR  
ROAD GRADES SHALL  
MATCH EXISTING GRADES

N/F  
VICTORY ENTERPRISES, INC.  
A.P. 48, LOT 34

1'-3" HIGH  
RETAINING WALL

TW=394.8  
BW=393.3

N/F  
VICTORY ENTERPRISES, INC.  
A.P. 48, LOT 35

GRASSED DEPRESSION  
(LOAM AND SEED)

REMOVE AND INSTALL  
NEW CONCRETE CURB  
AND REGRADE FROM  
CURB TO BUILDING

END CAP AND  
CLEAN OUT  
INV.=389.65

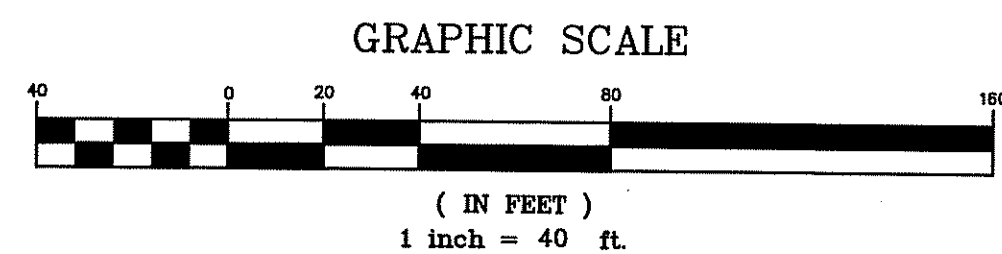
CB RIM=392.66  
12" INV. (N)=391.36  
8" INV. (S)=391.01

**ROCKY HILL ROAD and RESERVOIR ROAD NOTES**

1. PRIOR TO RECLAMATION OF ROCKY HILL ROAD AND RESERVOIR ROAD RIGHT-OF-WAY MUST BE FIELD STAKED BY A LICENSED SURVEYOR TO ENSURE THAT NO IMPACTS TO PRIVATE PROPERTY WILL OCCUR.
2. FINISHED ROAD GRADES AT BOTH SIDES ARE TO MATCH EXISTING AT THE EDGE OF PAVEMENT AND PROPERTY LINE. ANY DEVIATION IS SUBJECT TO ENGINEER APPROVAL.
3. EXISTING UTILITIES, TREES, MAILBOXES AND OBSTACLES ARE NOT DEPICTED. PRIOR TO CONSTRUCTION, THE ENGINEER SHALL PROVIDE 1"=20' SCALE, DETAILED "RECLAMATION INSTALLATION PLANS".

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EMAIL: CE@CROSSMANENG.COM

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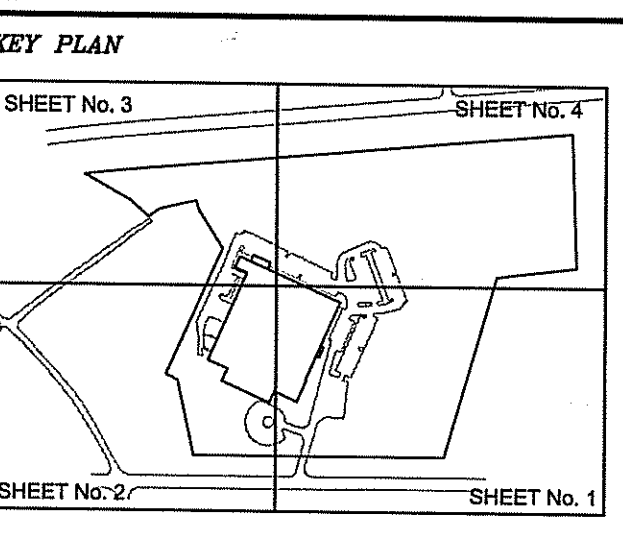


MATCH LINE TO GRADING and DRAINAGE PLAN No. 1

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www.watermanengineering.net



**PROJECT TITLE:**  
**PROPOSED WAREHOUSE EXPANSION**

PLAT MAP 48, LOT 17B  
ZONING DISTRICT PCD  
PLANNED CORPORATE DISTRICT

500 GEORGE WASHINGTON HIGHWAY  
SMITHFIELD, RHODE ISLAND

**PREPARED FOR:**  
**FGX INTERNATIONAL, INC.**

500 GEORGE WASHINGTON HIGHWAY  
SMITHFIELD, RHODE ISLAND  
02917

**DRAWING TITLE:**  
**GRADING and DRAINAGE PLAN No. 2**

**DATE:** AUGUST 2012      **SCALE:** 1"=40'

**DWG. NAME:** 1841-C07-GRADE-R5.dwg

**REVISIONS**

NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12

**DRAWING NUMBER**  
**C7.2**

SHEET: 11 OF 28

**AGENCY REVIEW SUBMISSION**

**DRAINAGE STRUCTURE TABLE**

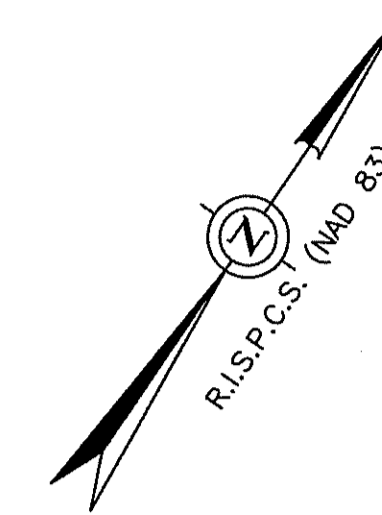
NUMBER	STRUCTURE	FRAME AND GRATE/COVER	RIM	INVERT (IN)	INVERT (OUT)
CB 7	R.I. STD. 4.4.0 (4' DIA.)	R.I. STD. 6.3.0 (2)	396.29	---	392.00 (12")
CB 8	R.I. STD. 4.4.0 (4' DIA.)	R.I. STD. 6.3.0 (2)	379.85	391.50 (12")	391.40 (12")
CB 9	R.I. STD. 4.4.0 (4' DIA.)	R.I. STD. 6.3.0 (DOUBLE GRATE)	397.71	390.50 (12")	390.40 (18")

**NOTES**

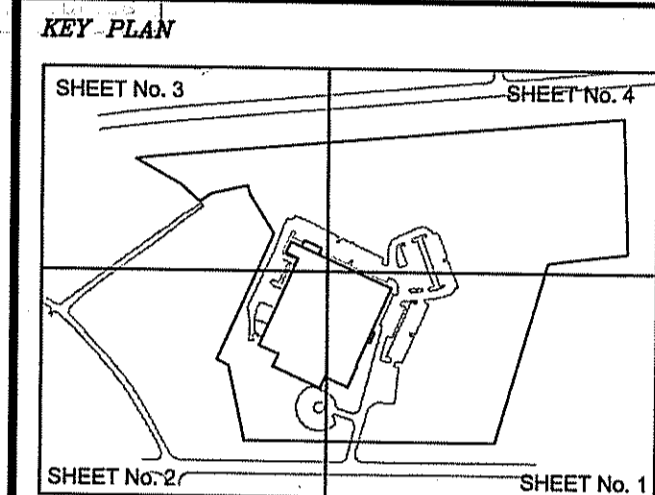
1. GRADING EASEMENT/AGREEMENTS MAY BE REQUIRED. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH OWNERS TO ENSURE THAT GRADING EASEMENTS/AGREEMENTS HAVE BEEN OBTAINED ON A.P. 48, LOT 34.
2. BOTTOM WALL GRADE IS THE TOP OF BERM GRADE.
3. CB 7 AND 8 SHALL BE DOUBLE GRATE.

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*Imperial D. Worsch*



DEC - 4 312



**PROJECT TITLE:**  
**PROPOSED WAREHOUSE EXPANSION**

PLAT MAP 48, LOT 17B  
 ZONING DISTRICT PCD  
 PLANNED CORPORATE DISTRICT

500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND

**PREPARED FOR:**  
**FGX INTERNATIONAL, INC.**

500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND  
 02917

**DRAWING TITLE:**  
**GRADING and DRAINAGE PLAN No. 3**

**DATE:** AUGUST 2012 **SCALE:** 1"=40'

**DWG. NAME:** 1841-C07-GRADE-R5.dwg

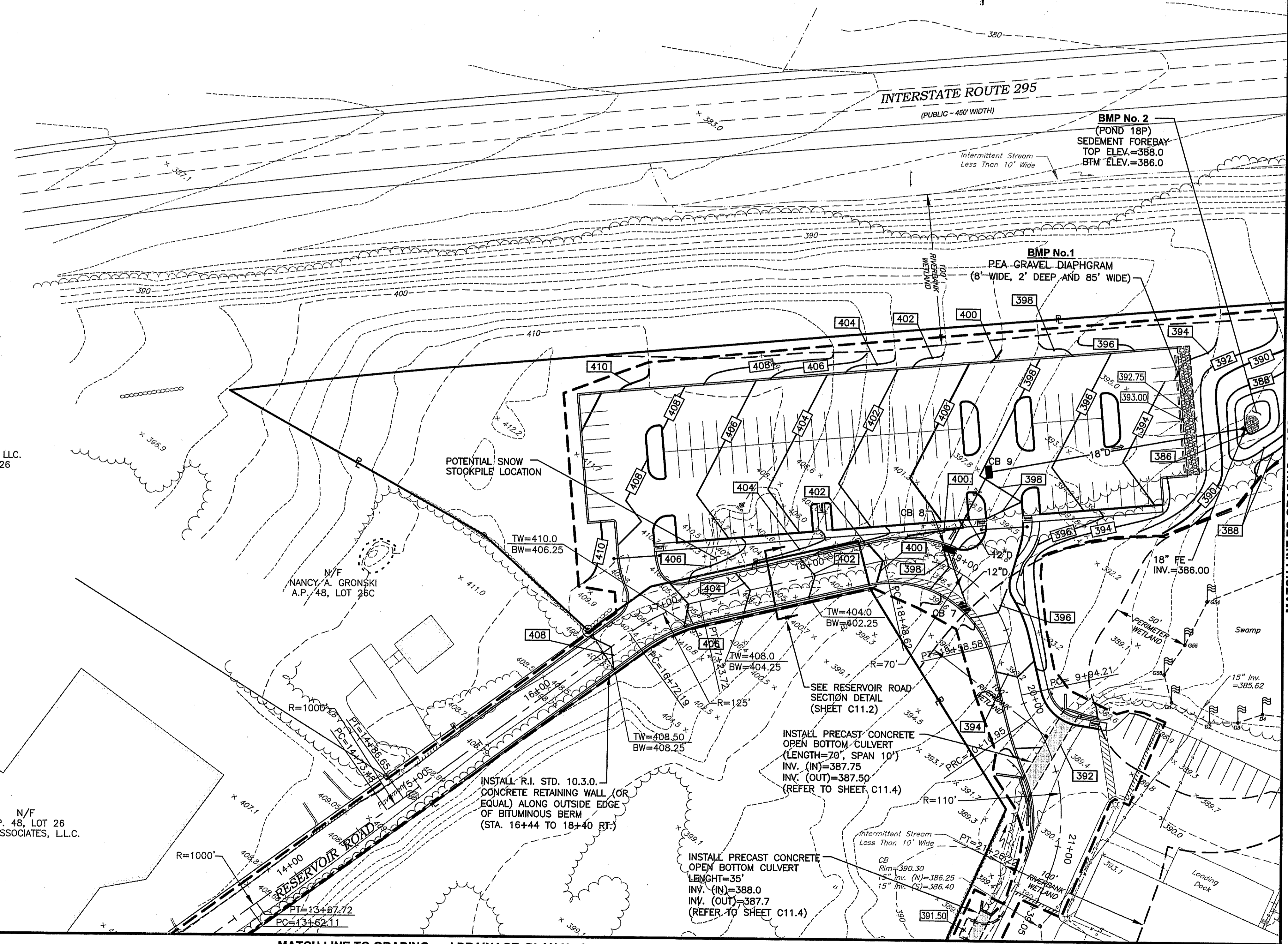
**REVISIONS**

NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12

**DRAWING NUMBER**  
**C7.3**

SHEET: 12 OF 28

**AGENCY REVIEW SUBMISSION**



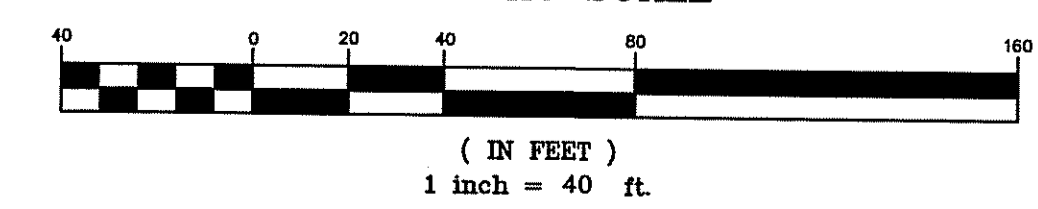
N/F  
 123 ASSOCIATES LLC.  
 A.P. 48, LOT 26

N/F  
 NANCY A. GRONSKI  
 A.P. 48, LOT 26C

N/F  
 A.P. 48, LOT 26  
 123 ASSOCIATES, L.L.C.

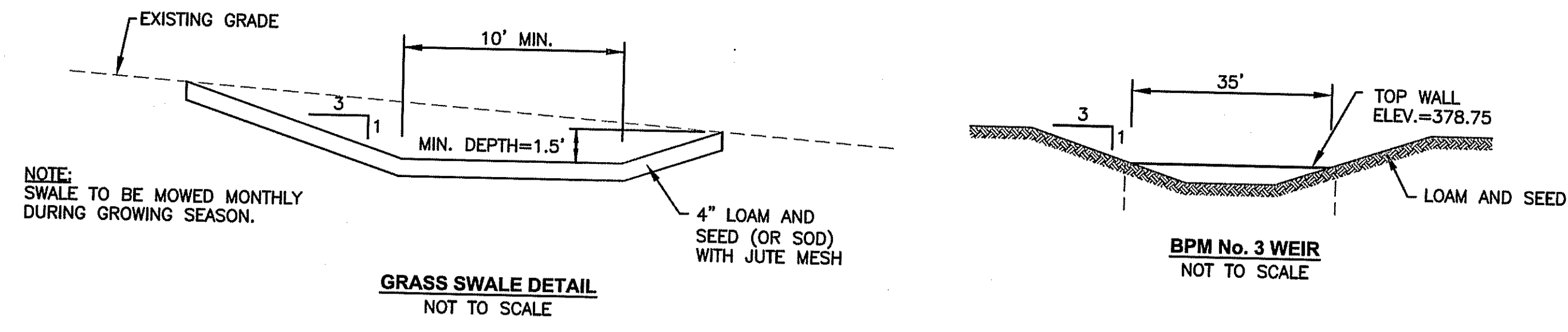
MATCH LINE TO GRADING and DRAINAGE PLAN No.2

GRAPHIC SCALE



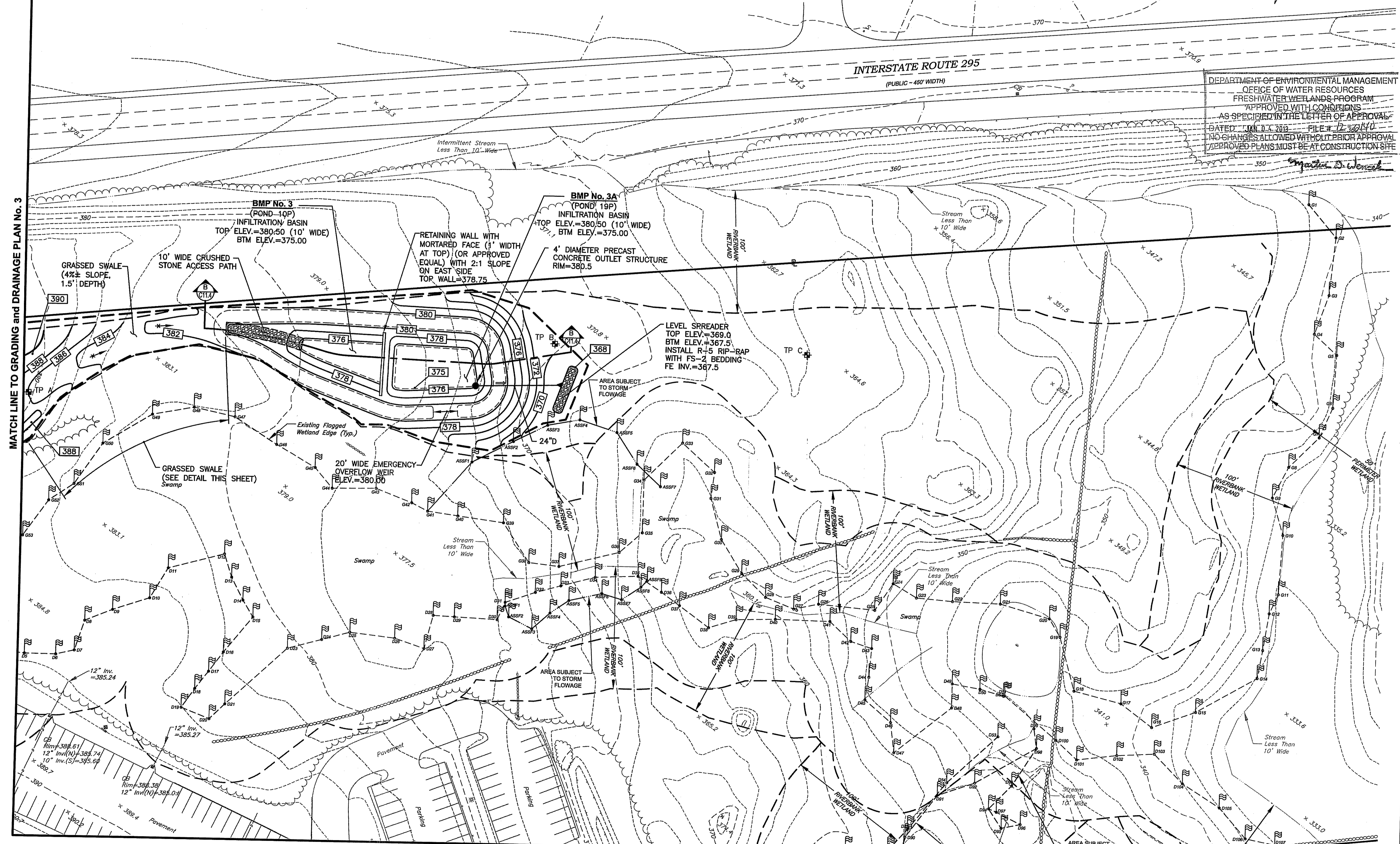
STEVEN M. CABRAL  
 No. 4847  
 REGISTERED PROFESSIONAL ENGINEER

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MATCH LINE TO GRADING and DRAINAGE PLAN No. 3



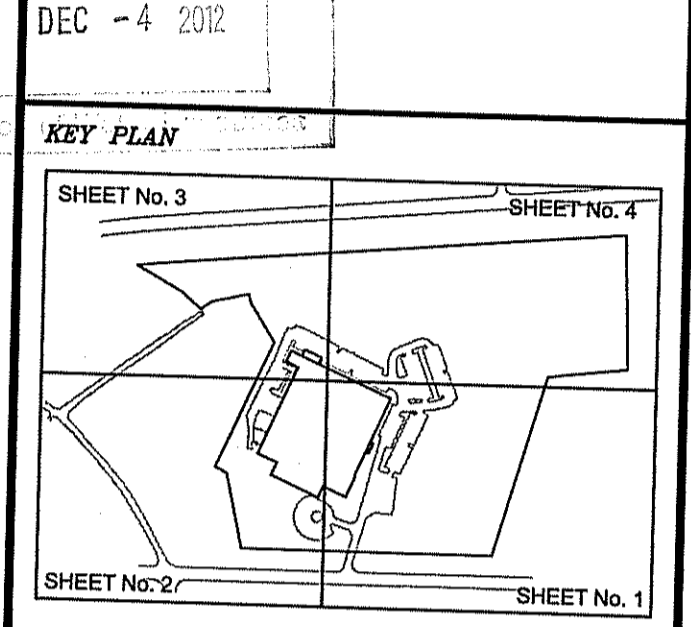
MATCH LINE TO GRADING and DRAINAGE PLAN No. 1

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Fax: (401) 438-5773  
www.watermanengineering.net



**PROJECT TITLE:**  
**PROPOSED WAREHOUSE EXPANSION**

PLAT MAP 48, LOT 17B  
ZONING DISTRICT PCD  
PLANNED CORPORATE DISTRICT

500 GEORGE WASHINGTON HIGHWAY  
SMITHFIELD, RHODE ISLAND

**PREPARED FOR:**  
**FGX INTERNATIONAL, INC.**

500 GEORGE WASHINGTON HIGHWAY  
SMITHFIELD, RHODE ISLAND  
02917

**DRAWING TITLE:**  
**GRADING and DRAINAGE PLAN No. 4**

**DATE:** AUGUST 2012      **SCALE:** 1"=40'

**DWG. NAME:** 1841-C07-GRADE-R5.dwg

**REVISIONS**

NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12

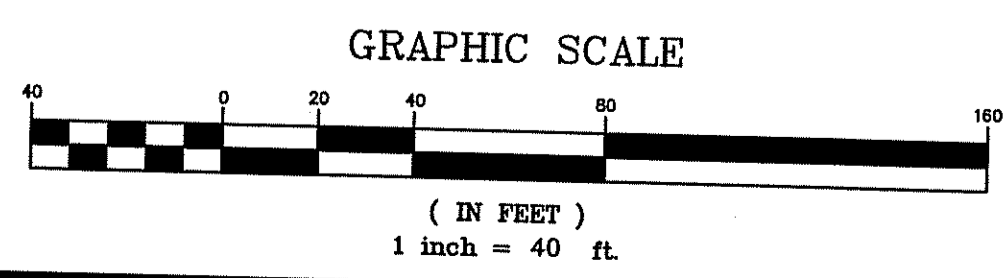
**DRAWING NUMBER:**  
**C7.4**

SHEET: 13 OF 28

**AGENCY REVIEW SUBMISSION**

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Phone: (401) 738-5660  
Email: cel@crossmaneng.com

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STEVEN M. CABRAL  
No. 4847  
REGISTERED PROFESSIONAL ENGINEER

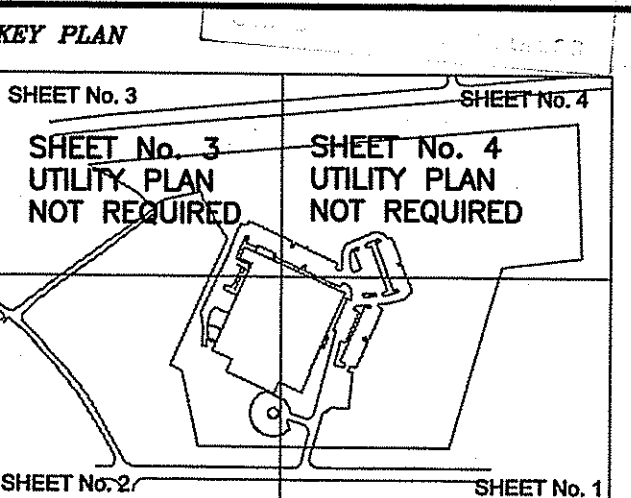


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151 Centerville Road | Warwick, Rhode Island 02886  
Phone: (401) 738-5660 | Fax: (401) 738-8157  
Email: cel@crossmaneng.com



46 Sutton Avenue  
East Providence, RI  
Phone: (401) 438-5775  
Fax: (401) 438-5773  
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DEC 18 2012



PROJECT TITLE:  
**PROPOSED WAREHOUSE EXPANSION**

PLAT MAP 48, LOT 17B  
ZONING DISTRICT PCD  
PLANNED CORPORATE DISTRICT  
500 GEORGE WASHINGTON HIGHWAY  
SMITHFIELD, RHODE ISLAND

PREPARED FOR:  
**FGX INTERNATIONAL, INC.**  
500 GEORGE WASHINGTON HIGHWAY  
SMITHFIELD, RHODE ISLAND  
02917

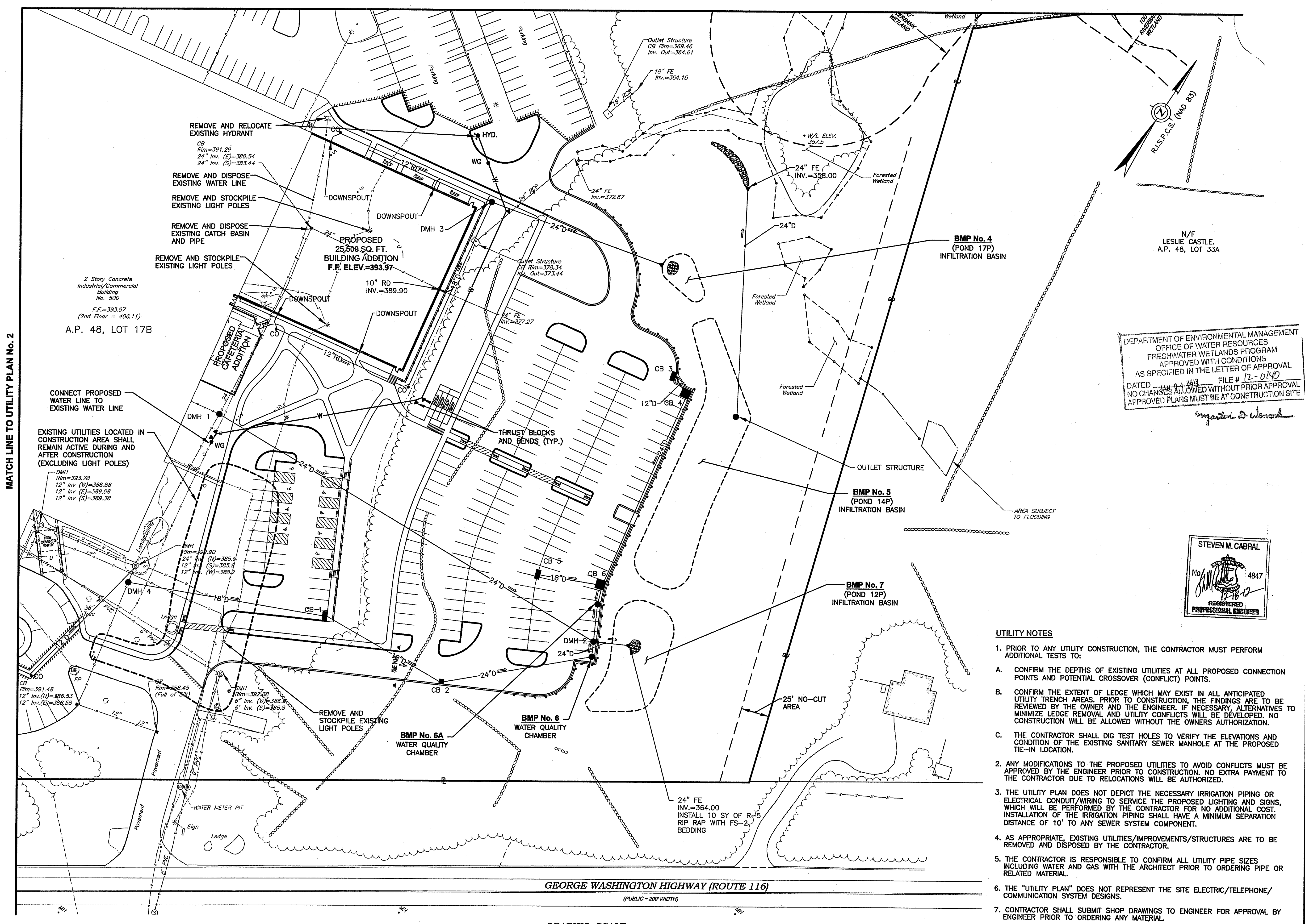
DRAWING TITLE:  
**UTILITY PLAN No. 1**

DATE: AUGUST 2012  
SCALE: 1"=40'  
DWG. NAME: 1841-C08-UTILITY-R6.dwg

REVISIONS

NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12
6	R.I.D.E.M RESUBMISSION	12/13/12

DRAWING NUMBER  
**C8.1**  
SHEET: 14 OF 28  
**AGENCY REVIEW SUBMISSION**

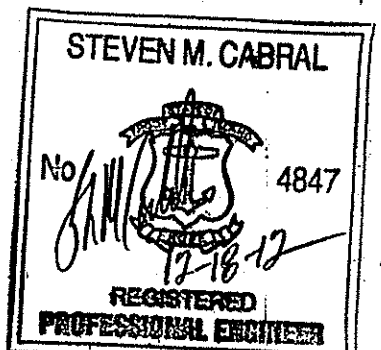


MATCH LINE TO UTILITY PLAN No. 2

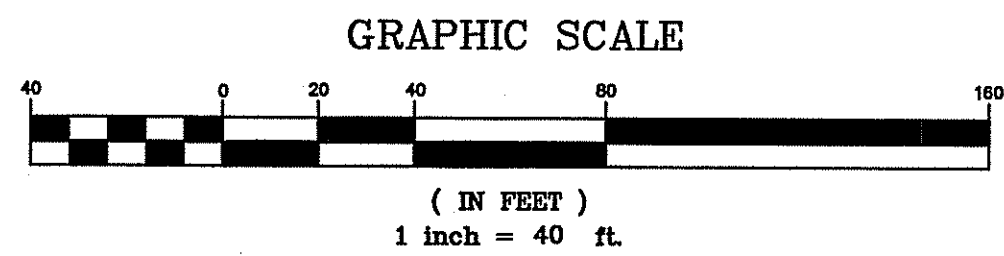
2 Story Concrete Industrial/Commercial Building No. 500  
F.F.=393.97  
(2nd Floor = 406.11)  
A.P. 48, LOT 17B

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JAN 9 2013 FILE # 12-0140  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Steven M. Cabral*



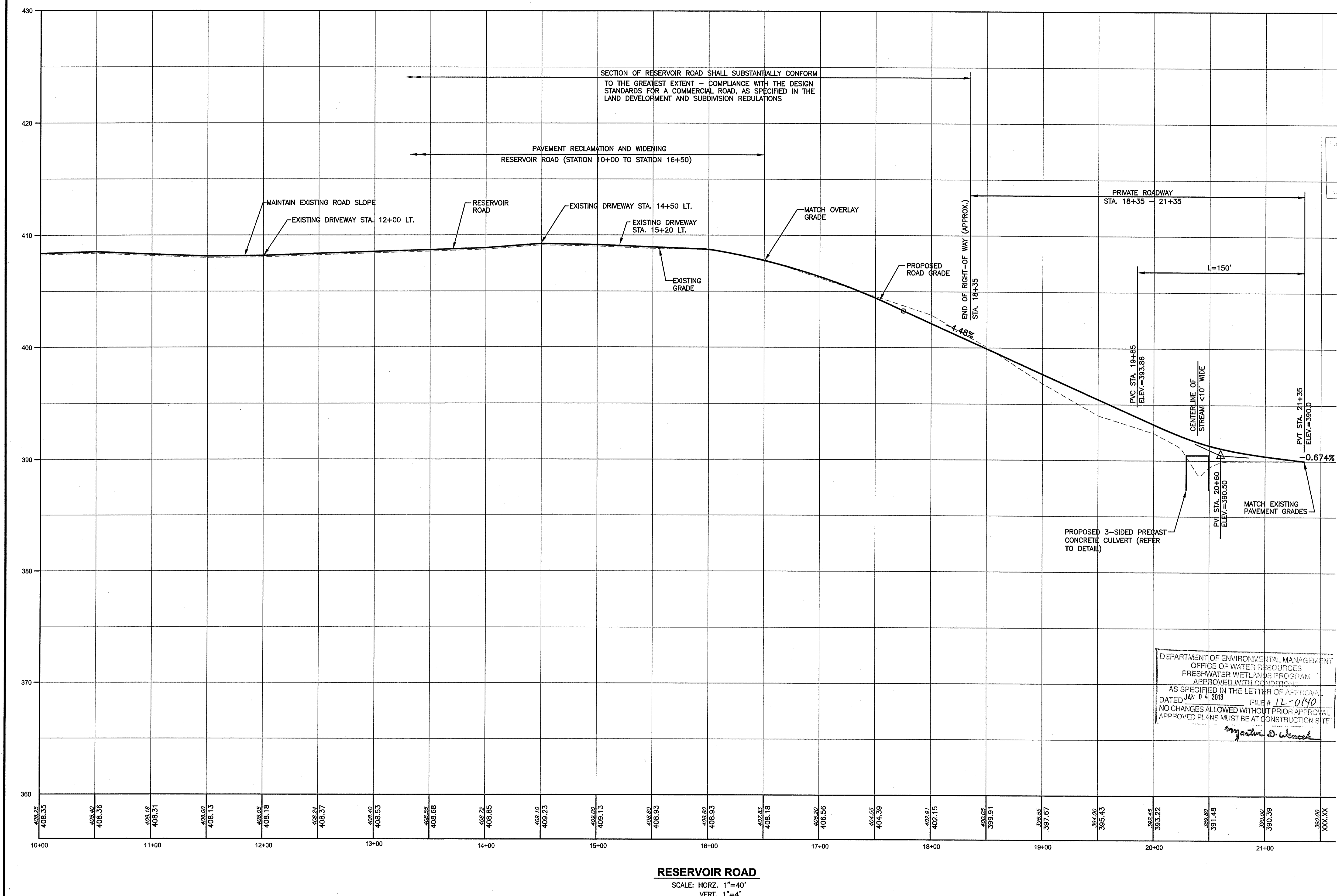
- UTILITY NOTES**
- PRIOR TO ANY UTILITY CONSTRUCTION, THE CONTRACTOR MUST PERFORM ADDITIONAL TESTS TO:
    - CONFIRM THE DEPTHS OF EXISTING UTILITIES AT ALL PROPOSED CONNECTION POINTS AND POTENTIAL CROSSOVER (CONFLICT) POINTS.
    - CONFIRM THE EXTENT OF LEDGE WHICH MAY EXIST IN ALL ANTICIPATED UTILITY TRENCH AREAS. PRIOR TO CONSTRUCTION, THE FINDINGS ARE TO BE REVIEWED BY THE OWNER AND THE ENGINEER. IF NECESSARY, ALTERNATIVES TO MINIMIZE LEDGE REMOVAL AND UTILITY CONFLICTS WILL BE DEVELOPED. NO CONSTRUCTION WILL BE ALLOWED WITHOUT THE OWNERS AUTHORIZATION.
    - THE CONTRACTOR SHALL DIG TEST HOLES TO VERIFY THE ELEVATIONS AND CONDITION OF THE EXISTING SANITARY SEWER MANHOLE AT THE PROPOSED TIE-IN LOCATION.
  - ANY MODIFICATIONS TO THE PROPOSED UTILITIES TO AVOID CONFLICTS MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION. NO EXTRA PAYMENT TO THE CONTRACTOR DUE TO RELOCATIONS WILL BE AUTHORIZED.
  - THE UTILITY PLAN DOES NOT DEPICT THE NECESSARY IRRIGATION PIPING OR ELECTRICAL CONDUIT/WIRING TO SERVICE THE PROPOSED LIGHTING AND SIGNS, WHICH WILL BE PERFORMED BY THE CONTRACTOR FOR NO ADDITIONAL COST. INSTALLATION OF THE IRRIGATION PIPING SHALL HAVE A MINIMUM SEPARATION DISTANCE OF 10' TO ANY SEWER SYSTEM COMPONENT.
  - AS APPROPRIATE, EXISTING UTILITIES/IMPROVEMENTS/STRUCTURES ARE TO BE REMOVED AND DISPOSED BY THE CONTRACTOR.
  - THE CONTRACTOR IS RESPONSIBLE TO CONFIRM ALL UTILITY PIPE SIZES INCLUDING WATER AND GAS WITH THE ARCHITECT PRIOR TO ORDERING PIPE OR RELATED MATERIAL.
  - THE "UTILITY PLAN" DOES NOT REPRESENT THE SITE ELECTRIC/TELEPHONE/COMMUNICATION SYSTEM DESIGNS.
  - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR APPROVAL BY ENGINEER PRIOR TO ORDERING ANY MATERIAL.
  - CONTRACTOR SHALL COORDINATE WITH PLUMBING ENGINEER AND FIRE PROTECTION ENGINEER FOR WATER SERVICE AND FIRE PROTECTION TO THE PROPOSED BUILDING ADDITIONS.
  - ELECTRIC, TELEPHONE, COMMUNICATION, AND SEWER SERVICES FOR THE PROPOSED BUILDING ADDITIONS WILL BE INTERNAL CONNECTIONS WITH THE EXISTING BUILDINGS.



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Warwick, Rhode Island 02886  
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**RESERVOIR ROAD**  
 SCALE: HORZ. 1"=40'  
 VERT. 1"=4'

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 Engineers & Surveyors Est. 1894  
 46 Sutton Avenue  
 East Providence, RI  
 Phone: (401) 438-5775  
 Fax: (401) 438-5773  
 www.watermanengineering.net

**KEY PLAN**  
 STEVEN M. CABRAL  
 No. 484  
 12-1-12  
 REGISTERED PROFESSIONAL ENGINEER

**PROJECT TITLE:**  
**PROPOSED WAREHOUSE EXPANSION**  
 PLAT MAP 48, LOT 17B  
 ZONING DISTRICT PCD  
 PLANNED CORPORATE DISTRICT  
 500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND

**PREPARED FOR:**  
**FGX INTERNATIONAL, INC.**  
 500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND  
 02917

**DRAWING TITLE:**  
**PROFILE PLAN**

**DATE:** AUGUST 2012      **SCALE:** AS SHOWN

**DWG. NAME:** 1841-C09-PROFILE-R5.dwg

**REVISIONS**

NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12

**DRAWING NUMBER**  
**C9**  
 SHEET: 16 OF 28  
**AGENCY REVIEW SUBMISSION**

**DUST CONTROL NOTES**

ON AN AS-NEEDED BASIS OR AS DIRECTED BY THE TOWN, THE CONTRACTOR SHALL UTILIZE ONE OF THE FOLLOWING METHODS (AS RECOMMENDED BY THE "R.I. SOIL EROSION AND SEDIMENT CONTROL HANDBOOK") TO CONTROL DUST:

- CALCIUM CHLORIDE SHOULD BE EITHER LOOSE DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH A SPREADER AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE.
- WATER
- SWEEPING OF EXISTING PAVED SURFACES

THE METHODS SHOULD BE REPEATED AS NEEDED, AND SPECIAL ATTENTION MUST BE GIVEN TO THE ACCESS DRIVES.

**INSPECTION/MAINTENANCE NOTES**

1. PRIOR TO COMMENCING CLEARING AND GRUBBING OPERATIONS, FILTERREX FILTER SOXX SHALL BE PLACED SO AS TO PREVENT SEDIMENT FROM ENTERING EXISTING ROADWAY DRAINAGE SYSTEM AND ADJUTING PROPERTIES.
2. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE WETLAND OR ROADWAY DRAINAGE SYSTEM.
3. ALL DISTURBED AREAS WHICH BECOME SUBJECT TO EROSION TENDENCIES WHETHER THEY BE NEWLY FILLED OR EXCAVATED SHALL RECEIVE PROTECTION, SUCH AS CRUSHED STONE, OR APPROVED EQUAL.
4. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING PERIODS OF RAINFALL.
5. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL MAINTENANCE AND SHALL INSPECT / REPLACE DAILY DURING CONSTRUCTION, FOLLOWING RAINFALL AND WEEKLY DURING NON CONSTRUCTION PERIODS.
6. ADDITIONAL FILTERREX FILTER SOXX OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER. EROSION CONTROL MAINTENANCE AND REPLACEMENT SHALL BE INCLUDED IN THE BASE BID PRICE.
7. THE "R.I. SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, 1989, MUST BE UTILIZED BY THE CONTRACTOR AS A GUIDE.
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL DUST CONTROL AND FOR THE ENTIRE PROJECT DURATION, INCLUDING TEMPORARY SHUT-DOWN PERIODS, MUST MONITOR AND REPAIR, AS NEEDED, ALL SLOPES TO ENSURE A STABLE PRODUCT.

**GENERAL PROJECT WIDE NOTES**

1. FILTERREX FILTER SOXX SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, MAINTAINED ON A REGULAR BASIS, AND SHALL BE PLACED TO PREVENT SEDIMENTATION ONTO ADJACENT PROPERTY AND WETLANDS.
2. WHERE APPLICABLE THE CONTRACTOR MUST REPLACE AND/OR RESEED ANY VEGETATION THAT DOES NOT DEVELOP/SURVIVE WITHIN THE PERIOD OF ONE YEAR AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE TO OR THE OWNER.
3. ALL FILTERREX FILTER SOXX OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AREA IS STABILIZED WHICH INCLUDES ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED. SLOPES SHALL BE STABILIZED WITH FILTERREX VEGETATED COVER, AND OTHER AREAS SHALL BE STABILIZED WITH CRUSHED STONE OR LOAM AND SEED, AS APPROVED BY THE OWNER.
4. TREES AND OTHER EXISTING VEGETATION SHALL BE RETAINED WHENEVER FEASIBLE; THE AREA BEYOND THE DRILLINE SHALL BE FENCED OR ROPED OFF TO PROTECT TREES FROM CONSTRUCTION EQUIPMENT.
5. AREAS DAMAGED DURING CONSTRUCTION SHALL BE STABILIZED, OR OTHERWISE RESTORED AT THE CONTRACTOR'S EXPENSE.
6. UNLESS REFERENCED ON THE PLANS, STOCKPILES SHALL HAVE NO SLOPE STEEPER THAN 2:1 AND SHALL BE SURROUNDED BY STAKED FILTER SOXX.
7. STOCKPILES EXPOSED FOR EXCESSIVE PERIODS SHALL RECEIVE TEMPORARY TREATMENT CONSISTING OF HAY, STRAW, FIBER MATTING OR APPROVED EQUAL.
8. SILT FENCE OR STAKED HAYBALES MAY BE USED IN LIEU OF THE FILTERREX FILTER SOXX.
9. CONTRACTOR IS RESPONSIBLE FOR DEWATERING AND EROSION AND SEDIMENT CONTROL DURING DEWATERING OPERATIONS. ALTERNATE DEWATERING PROTECTION SUCH AS USE OF R.I. STD. 9.7.0 (DEWATERING BASIN) IN CONJUNCTION WITH THE FILTERREX FILTER RING/SOXX MAY BE REQUIRED. ALL OPERATIONS AND PROTECTION SHALL BE INCLUDED IN THE BASE BID PRICE.
10. ALTERNATE DEWATERING BASIN LOCATIONS MAY BE INSTALLED AS APPROVED BY ENGINEER.

**NOTES**

1. FILTER SOXX (OR SILT FENCE OR STAKED HAYBALES) SHALL BE INSTALLED AROUND THE PERIMETER OF THE AREA TO BE DISTURBED BY CONSTRUCTION. ADDITIONAL APPLICATIONS OF THESE CONTROLS MEASURES MAY BE REQUIRED DURING THE CONSTRUCTION PROCESS. THE CONTRACTOR SHALL INSPECT THE SITE AT A MINIMUM OF ONCE PER WEEK OR WITHIN 24 HOURS AFTER A STORM EVENT.
2. IF EROSION OR EROSION TENDENCIES ARE APPARENT ON THE SITE, THE CONTRACTOR IS RESPONSIBLE TO INSTALL ADDITIONAL CONSTRUCTION BMP'S SUCH AS SAND BAGS AS DIRECTED BY THE ENGINEER DURING CONSTRUCTION.
3. IF SEDIMENT OR DEBRIS IS TRACKED ONTO EXISTING PAVED AREAS ADJACENT TO THE CONSTRUCTION AREA, THE CONTRACTOR IS REQUIRED TO SWEEP THE PAVEMENT ON A DAILY BASIS. THE AREA SHALL BE INSPECTED DAILY.
4. THE CONTRACTOR IS RESPONSIBLE TO KEEP THE SITE CLEAN OF TRASH. RECOMMENDED DAILY PATROL OF THE CONSTRUCTION SHOULD BE CONDUCTED TO PICK-UP TRASH. THE OPERATOR SHALL REQUIRE THE CONTRACTOR TO HAVE PORTABLE SANITARY FACILITIES ON SITE. ROUTING CLEANING AND WASTE DISPOSAL OF THESE PORTABLE SANITARY FACILITIES IS REQUIRED.

**NOTES**

1. CONTRACTOR SHALL INSTALL TEMPORARY MEASURES SUCH AS: FIBER MATTING, CRUSHED STONE, HAY OR STRAW IN AREAS WHERE SLOPES OR STABILIZATION HAS FAILED.
2. THE PROPOSED SAND FILTER BASIN SHALL NOT BE USED AS A SEDIMENT TRAP DURING CONSTRUCTION AND THE CONTRACTOR SHALL NOT DIRECT STORMWATER TO THE STORMWATER BASIN UNTIL THE BASIN IS SEEDED AND VEGETATION IS ESTABLISHED.
3. FILTER SOXX (OR SILT FENCE OR STAKED HAYBALES) SHALL BE INSTALLED AROUND THE PERIMETER OF THE AREA TO BE DISTURBED BY CONSTRUCTION. ADDITIONAL APPLICATIONS OF THESE CONTROLS MEASURES MAY BE REQUIRED DURING THE CONSTRUCTION PROCESS. THE CONTRACTOR SHALL INSPECT THE SITE AT A MINIMUM OF ONCE PER WEEK OR WITHIN 24 HOURS AFTER A STORM EVENT.
4. IF EROSION OR EROSION TENDENCIES ARE APPARENT ON THE SITE, THE CONTRACTOR IS RESPONSIBLE TO INSTALL ADDITIONAL CONSTRUCTION BMP'S SUCH AS SAND BAGS AS DIRECTED BY THE TOWN, STATE OR ENGINEER DURING CONSTRUCTION.
5. IF SEDIMENT OR DEBRIS IS TRACKED ONTO PAVED AREAS, THE CONTRACTOR IS REQUIRED TO SWEEP THE PAVEMENT ON A DAILY BASIS.
6. THE CONTRACTOR IS RESPONSIBLE TO KEEP THE SITE CLEAN OF TRASH. RECOMMENDED DAILY PATROL OF THE CONSTRUCTION SHOULD BE CONDUCTED TO PICK-UP TRASH. THE OPERATOR SHALL REQUIRE THE CONTRACTOR TO HAVE PORTABLE SANITARY FACILITIES ON SITE. ROUTING CLEANING AND WASTE DISPOSAL OF THESE PORTABLE SANITARY FACILITIES IS REQUIRED.

**CONSTRUCTION NOTES**

THE PROPOSED VEGETATIVE AND STRUCTURAL PRACTICES TO BE IMPLEMENTED DURING CONSTRUCTION ARE DESCRIBED AND ILLUSTRATED WITHIN THE ACCOMPANYING SITE PLANS. IN ADDITION, THE OPERATOR SHOULD INITIATE APPROPRIATE STABILIZATION PRACTICES ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS THE ACTIVITY IS TO RESUME WITHIN TWENTY-ONE (21) DAYS. IF BUILDING CONSTRUCTION CANNOT BEGIN WITHIN TWENTY-ONE (21) DAYS OF COMPLETING SITE PREPARATION ACTIVITIES ALL DISTURBED AREAS SHALL BE STABILIZED WITH LOAM AND SEEDING.

**ADDITIONAL CONTROLS**

- A CRUSHED STONE CONSTRUCTION ENTRANCE WILL BE LOCATED AT THE SITE'S PRIMARY ACCESS POINT. THE ENTRANCE WILL BE APPROXIMATELY 50 FEET LONG AND 20 FEET WIDE. ALL CONSTRUCTION VEHICLES WILL BE REQUIRED TO ENTER AND EXIT VIA THIS ENTRANCE.
- ALL TYPES OF WASTE GENERATED AT THE SITE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- THE CONTRACTOR IS REQUIRED TO NOTIFY LOCAL AUTHORITIES AND THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF WASTE MANAGEMENT, OF ANY HAZARDOUS MATERIAL SPILL.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN THE SITE IN AN ORDERLY AND CLEAN STATE. ALL CONSTRUCTION WASTE SHALL BE STORED IN APPROPRIATE CONTAINERS PRIOR TO REMOVAL AND CONTACT WITH PRECIPITATION SHALL BE KEPT TO A MINIMUM.
- GENERAL MAINTENANCE PROCEDURES ARE OUTLINED IN THE ACCOMPANYING SITE PLANS. IN ADDITION, THE OPERATOR AND CONTRACTOR ARE REQUIRED TO INSPECT ALL EROSION CONTROLS ON THE SITE AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN TWENTY-FOUR (24) HOURS AFTER A RAIN EVENT, WHICH GENERATES 0.25 INCHES OF RAIN IN A TWENTY-FOUR (24) HOUR PERIOD AND/OR AFTER A SIGNIFICANT AMOUNT OF RUNOFF.

**SEQUENCE OF CONSTRUCTION**

CONSTRUCTION ACTIVITIES WILL INCLUDE EARTHWORK, LEDGE REMOVAL IF REQUIRED, BUILDING CONSTRUCTION, DRAINAGE/UTILITY INSTALLATION AND EROSION AND SEDIMENT CONTROL INSTALLATION AND MAINTENANCE. IN GENERAL, THE SEQUENCE OF CONSTRUCTION WILL BE AS FOLLOWS:

- INSTALLATION OF EROSION CONTROLS SUCH AS SILT FENCING AND THE CONSTRUCTION ENTRANCE.
- DRAINAGE AND UTILITY REMOVAL/RELOCATION/INSTALLATION
- EARTHWORK ACTIVITIES CONSISTING OF PREPARING THE SITE FOR BUILDING AND/OR PARKING LOT CONSTRUCTION.
- BUILDING AND/OR PARKING LOT CONSTRUCTION.
- GROUND COVER TREATMENT/STABILIZATION.

**STORMWATER MANAGEMENT SYSTEM CONSTRUCTION NOTES**

1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL ROPE OFF PROPOSED SAND FILTER LOCATIONS. CONSTRUCTION EQUIPMENT SHALL NOT BE ALLOWED ON AREAS INTENDED FOR INFILTRATION.
2. THE SAND FILTERS SHALL NOT BE USED AS TEMPORARY SEDIMENT TRAPS FOR CONSTRUCTION ACTIVITIES.
3. CONTRACTOR SHALL USE LIGHT EARTH MOVING EQUIPMENT AND TRACKED MACHINERY TO EXCAVATE INFILTRATION AREAS.
4. PRIOR TO LOAM AND SEED INSTALLATION WITHIN THE SAND FILTER, TILL THE BASIN FLOOR WITH A ROTARY TILLER TO A DEPTH OF 12 INCHES TO RESTORE INFILTRATION RATES.
5. FOLLOWING CONSTRUCTION OF THE SAND FILTER THE AREA SHALL BE ROPED OFF. STORMWATER GENERATED BY OTHER CONSTRUCTION ACTIVITIES SHALL NOT BE DIRECTED TO THE COMPLETED BASINS.
6. STORMWATER MAY BE DIRECTED TO THE SAND FILTER AFTER CONSTRUCTION IS COMPLETE AND THE BOTTOM AND SIDE SLOPES ARE STABILIZED.
7. THE INFILTRATION/SAND FILTER BASINS SHALL NOT BE USED AS SEDIMENT BASINS DURING CONSTRUCTION.

**PROJECT CLOSE-OUT NOTE**

ONCE CONSTRUCTION IS COMPLETE AND PERMANENT GROUND COVER ESTABLISHED, THE CONTRACTOR SHALL CLEAN AND FLUSH ALL DRAIN LINES ON SITE. THE DRAIN LINES WITHIN THE UNDISTURBED AREAS SHALL BE INSPECTED FOR SEDIMENT AND, IF NECESSARY, CLEANED AND FLUSHED BY THE CONTRACTOR.

**GROUND COVER NOTE**

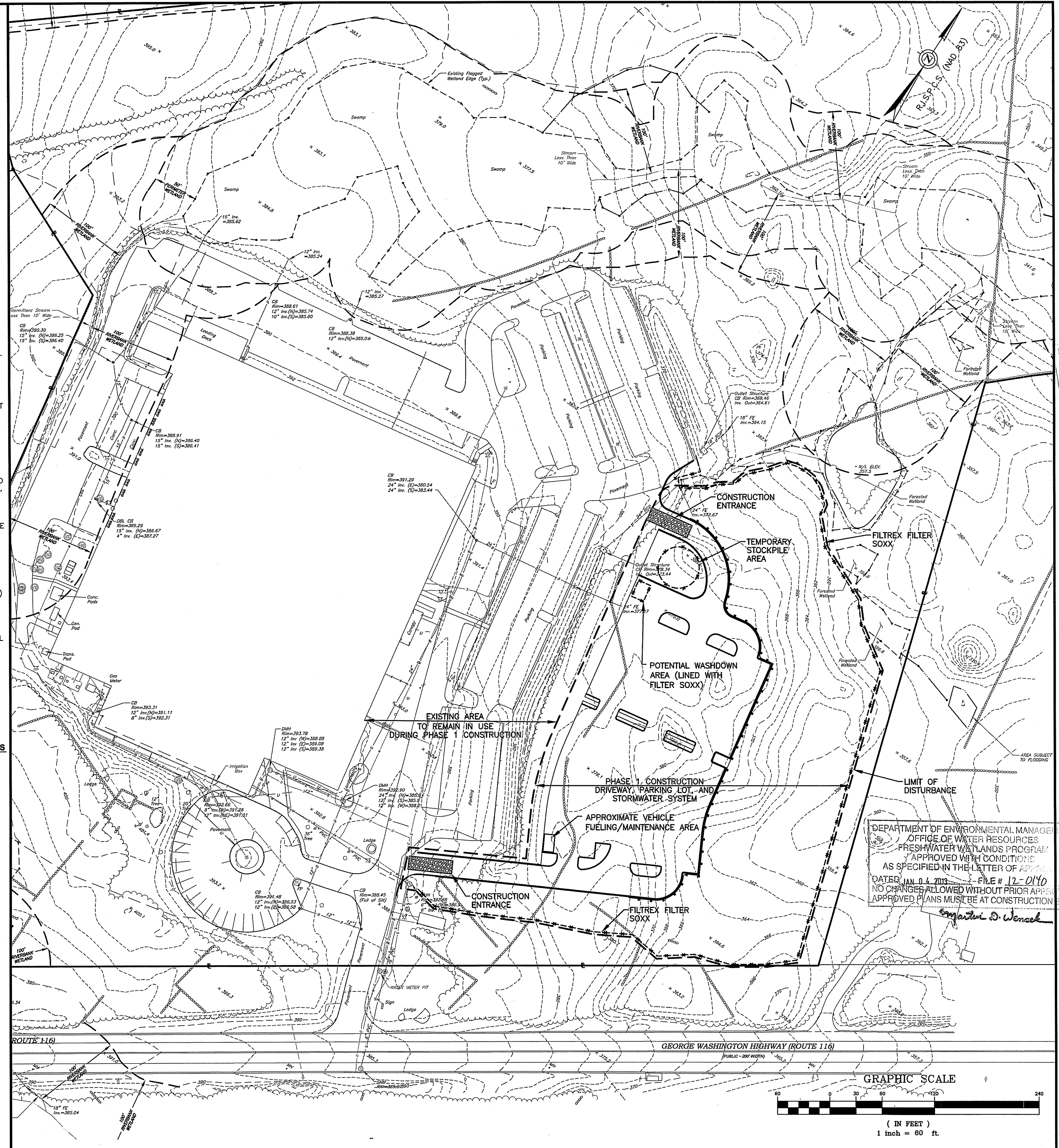
GROUND COVER FOR SLOPES OF 2:1 TO 3:1 SHALL BE STABILIZED WITH FILTERREX VEGETATED COVER. OTHER AREAS SHALL BE STABILIZED WITH CRUSHED STONE OR LOAM AND SEED, AS APPROVED BY THE OWNER.

**FILTREX SOXX NOTE**

CONTRACTOR IS RESPONSIBLE TO BECOME FAMILIAR WITH THE FILTREX PRODUCTS AND COORDINATE INSTALLATION SCHEDULES AND METHODS WITH THE ENGINEER PRIOR TO PLACEMENT.

**SILT FENCE/HAY BALE NOTE**

STAKED HAY BALES OR SILT FENCE MAY BE USED IN LIEU OF FILTREX PRODUCTS.



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 Warwick, Rhode Island 02886  
 Phone: (401) 738-5660  
 Email: ce@crossmaneng.com

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**PHASE 1 CONSTRUCTION**  
 SCALE: 1"=60'

**NOTE:**  
 ALL PROPOSED WORK CONDUCTED UNDER PHASE 1 WILL BRING SURFACE AREAS TO AN ERODIBLE SURFACE.

**CROSSMAN ENGINEERING**  
 151 Centerville Road | Warwick, Rhode Island 02886  
 Phone: (401) 738-5660 | Fax: (401) 738-8157  
 Email: ce@crossmaneng.com

**Waterman ENGINEERING COMPANY**  
 Engineers & Surveyors - Est. 1894  
 46 Sutton Avenue  
 East Providence, RI  
 Phone: (401) 438-5775  
 Fax: (401) 438-5773  
 www.watermanengineering.net

**KEY PLAN**  
 DEC - 4  
 STEVEN M. CABRAL  
 4847  
 REGISTERED PROFESSIONAL ENGINEER

**PROJECT TITLE:**  
**PROPOSED WAREHOUSE EXPANSION**  
 PLAT MAP 48, LOT 17B  
 ZONING DISTRICT PCB  
 PLANNED CORPORATE DISTRICT  
 500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND

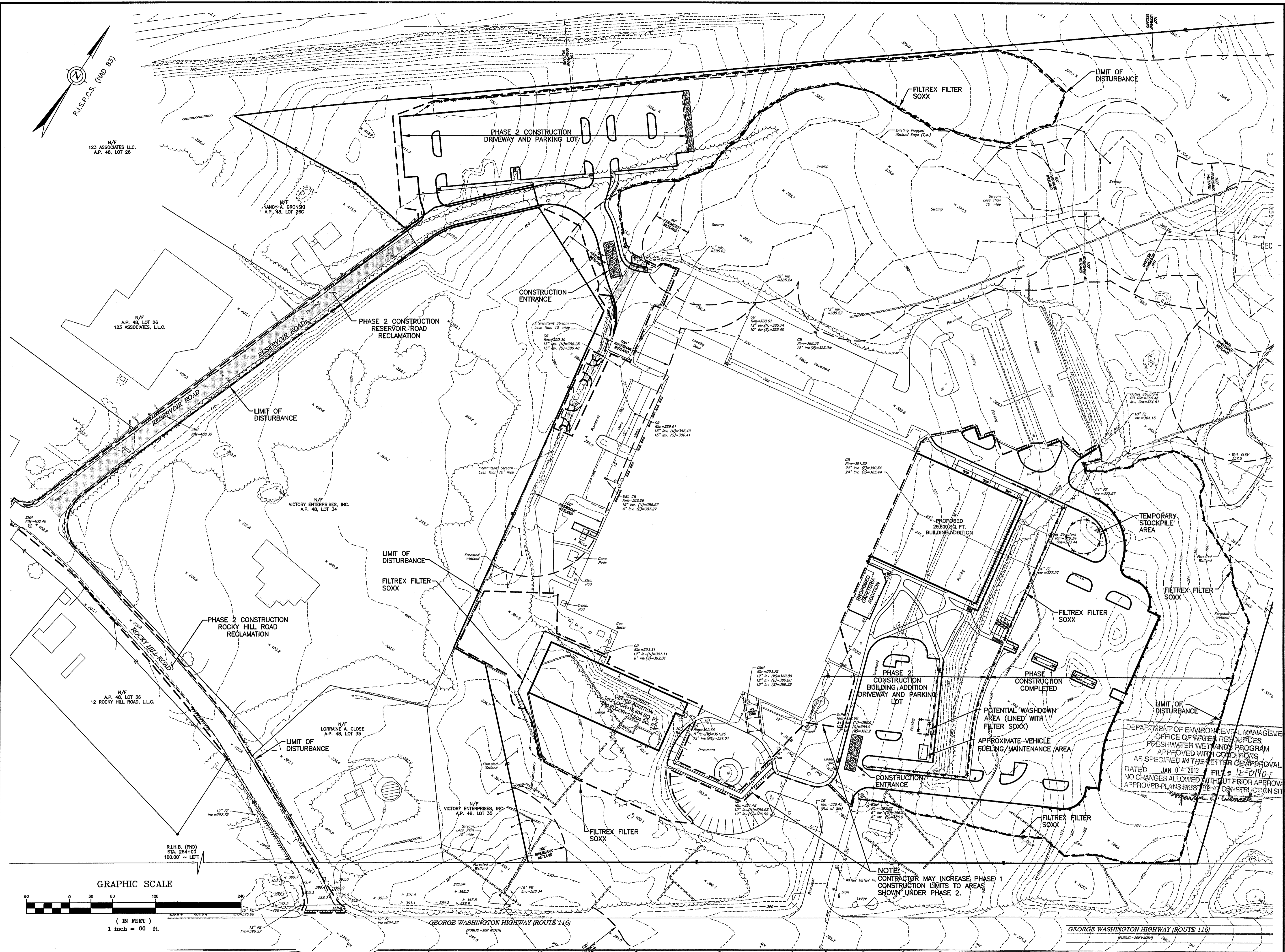
**OWNER:**  
**FGX INTERNATIONAL, INC.**  
 500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND  
 02917

**DRAWING TITLE:**  
**SOIL EROSION and SEDIMENT CONTROL PLAN No. 1**  
 DATE: AUGUST 2012 SCALE: AS SHOWN  
 DWG. NAME: 1841-C10.1-SOIL1-R5.dwg

**REVISIONS**

NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12

**DRAWING NUMBER**  
**C10.1**  
 SHEET: 17 OF 28  
**AGENCY REVIEW SUBMISSION**



**CROSSMAN ENGINEERING**  
 151 Cantanville Road | Warwick, Rhode Island 02886  
 Phone: (401) 738-5660 | Fax: (401) 738-8157  
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KEY PLAN

STEVEN M. CABRAL  
 No. 4847  
 REGISTERED PROFESSIONAL ENGINEER

PROJECT TITLE:  
**PROPOSED WAREHOUSE EXPANSION**

PLAT MAP 48, LOT 17B  
 ZONING DISTRICT PCD  
 PLANNED CORPORATE DISTRICT

500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND

OWNER:  
**FGX INTERNATIONAL, INC.**

500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND  
 02917

DRAWING TITLE:  
**SOIL EROSION and SEDIMENT CONTROL PLAN No. 2**

DATE: AUGUST 2012 SCALE: 1"=60'

DWG. NAME: 1841-C10.2-SOIL2-R5.dwg

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED JAN 04 2013 FILE # L-0140  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

REVISIONS	NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12	
2	RIDEM COMMENTS	11/02/12	
3	TOWN COMMENTS	11/13/12	
4	R.I.D.O.T. PAP	11/19/12	
5	VALUE ENGINEERING	11/26/12	

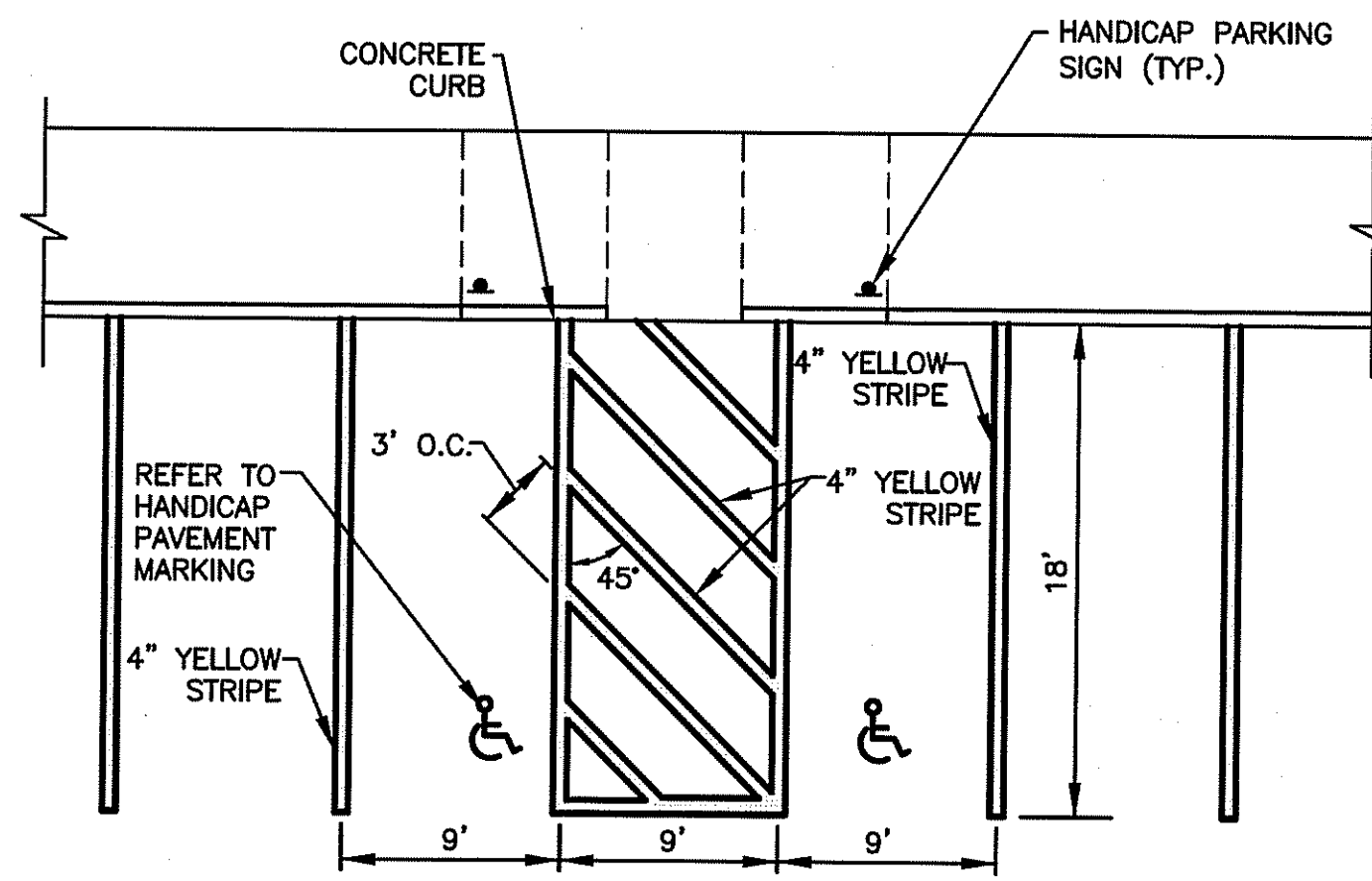
DRAWING NUMBER  
**C10.2**

SHEET: 18 OF 28

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 151 Cantanville Road  
 Warwick, Rhode Island 02886  
 Phone: (401) 738-5660  
 Email: cal@crossmaneng.com

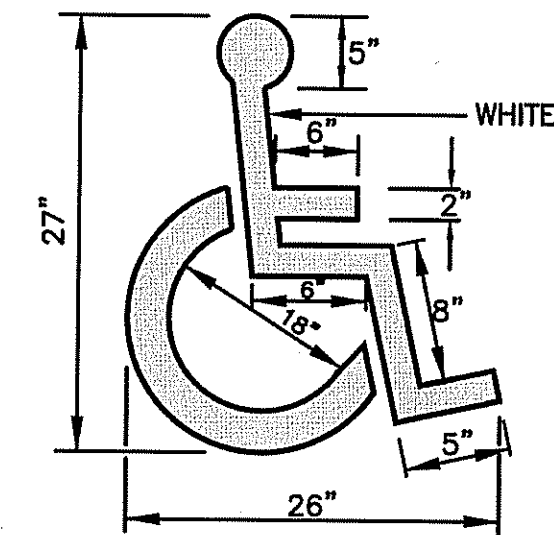
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**NOTE:**

1. ALL HANDICAP PARKING SPACES SHALL BE IN ACCORDANCE WITH THE LOCAL AND STATE BUILDING CODE AND ADA REQUIREMENTS.

**HANDICAP PARKING STALLS**  
NOT TO SCALE



**NOTE:**

1. ALL HANDICAP PARKING SPACES SHALL BE IN ACCORDANCE WITH THE LOCAL AND STATE BUILDING CODE AND ADA REQUIREMENTS.

**HANDICAP PAVEMENT MARKING**  
NOT TO SCALE



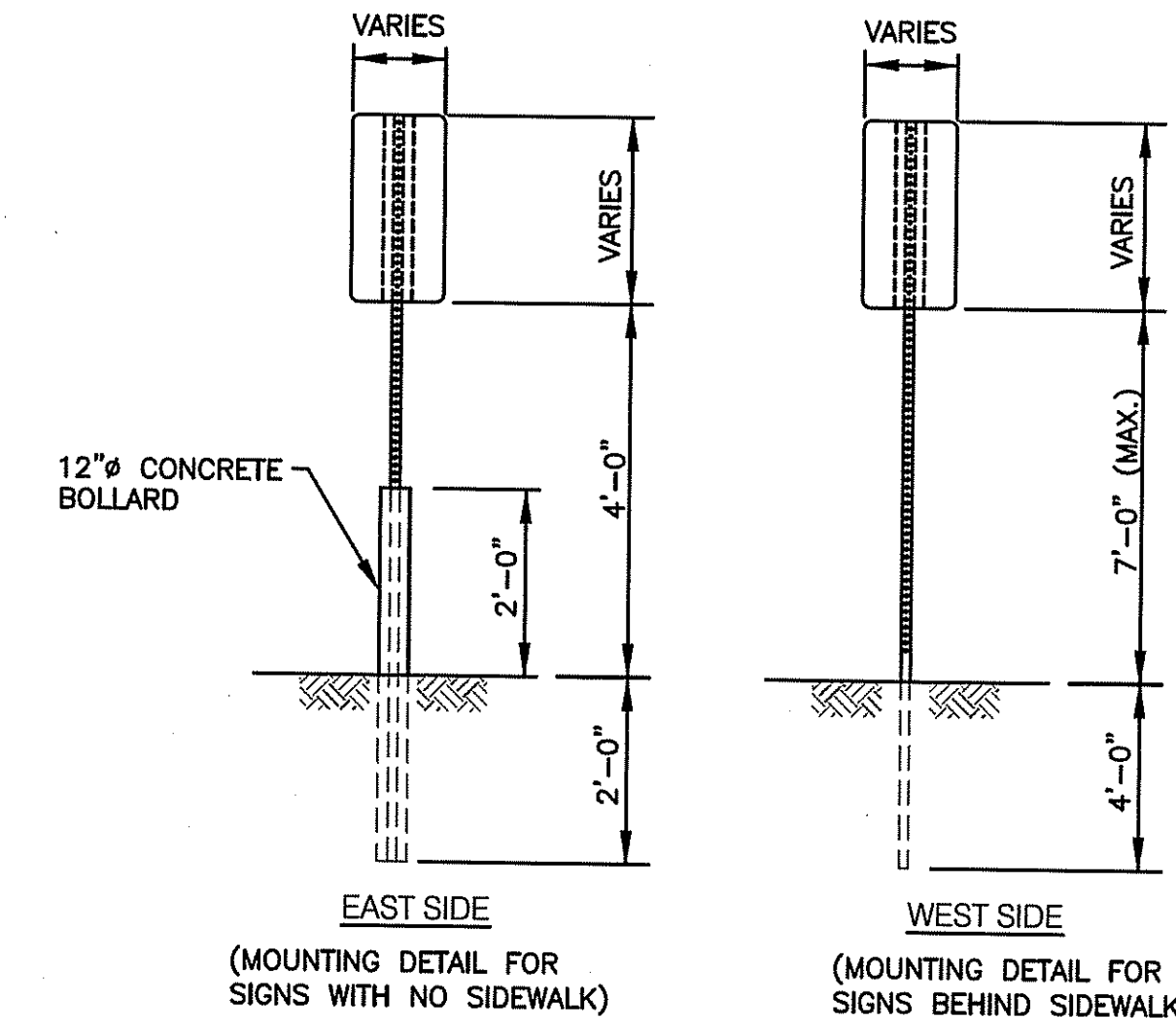
**NOTE:**

- ALL LETTERS ARE 1" SERIES "C" PER THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.).
- SIGN SHALL BE REFLECTORIZED (ENGINEERING GRADE) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
- CONTRACTOR SHALL VERIFY THE POSTED "FINE" AMOUNT WITH THE BUILDING OFFICIAL PRIOR TO INSTALLATION.
- ONE (1) SIGN REQUIRED FOR EACH PARKING SPACE.
- INSTALLED HEIGHT OF SIGN SHALL BE IN ACCORDANCE WITH SECTION 24-23 OF THE M.U.T.C.D.
- SIGN MAY BE MOUNTED ON BUILDING/WALL, AT PROPER HEIGHT, ALIGNED WITHIN 12" OF CENTER OF THE PARKING SPACE.
- ALL HANDICAP PARKING AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE LOCAL AND STATE BUILDING CODE.

**SIGN NOTES:**

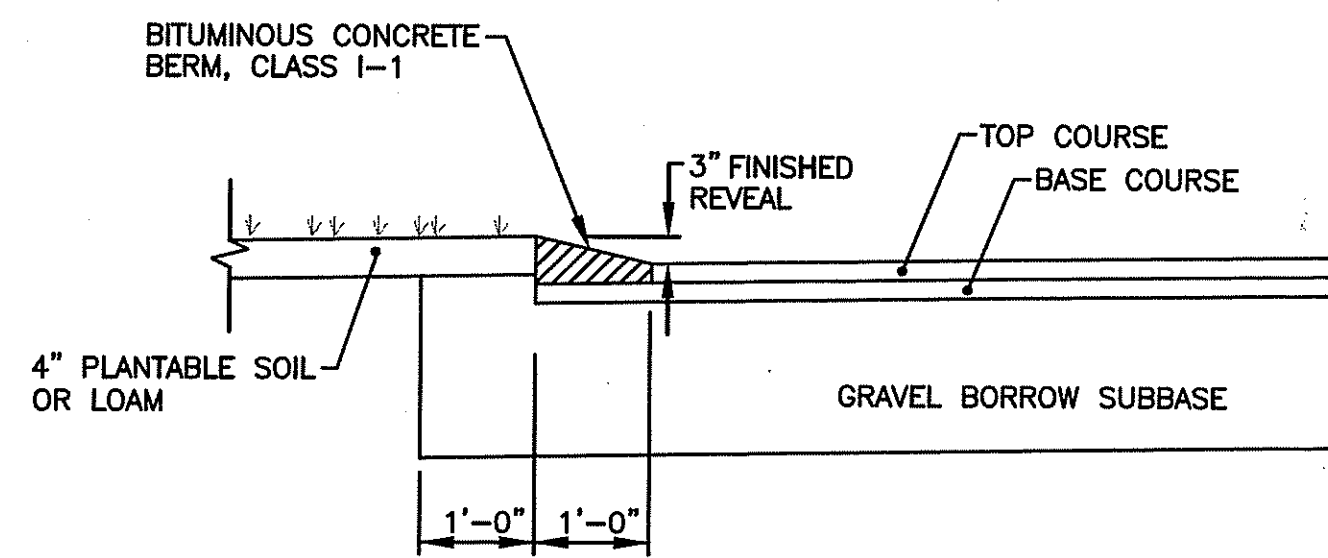
- SIGN POSTS SHALL BE GALVANIZED STEEL U-CHANNEL (3 1/2" WIDE-MIN.) AND INSTALLED IN CONFORMANCE WITH MUTCD AND LOCAL STANDARDS AND SPECIFICATIONS.
- POSTS SHALL BE DRIVEN TO A DEPTH OF 4 FEET (MIN.)
- THE EDGE OF THE SIGN SHALL BE 18" FROM THE FACE OF THE CURB.
- WITHIN SIDEWALK LOCATIONS THE SIGN POST WILL BE INSTALLED WITHIN A 8"x8"x6" SQUARE BOX FORM.

**PROPOSED HANDICAPPED PARKING SIGNS**  
NOT TO SCALE



**SIGN MOUNTING DETAIL**  
NOT TO SCALE

DEC - 4 2012

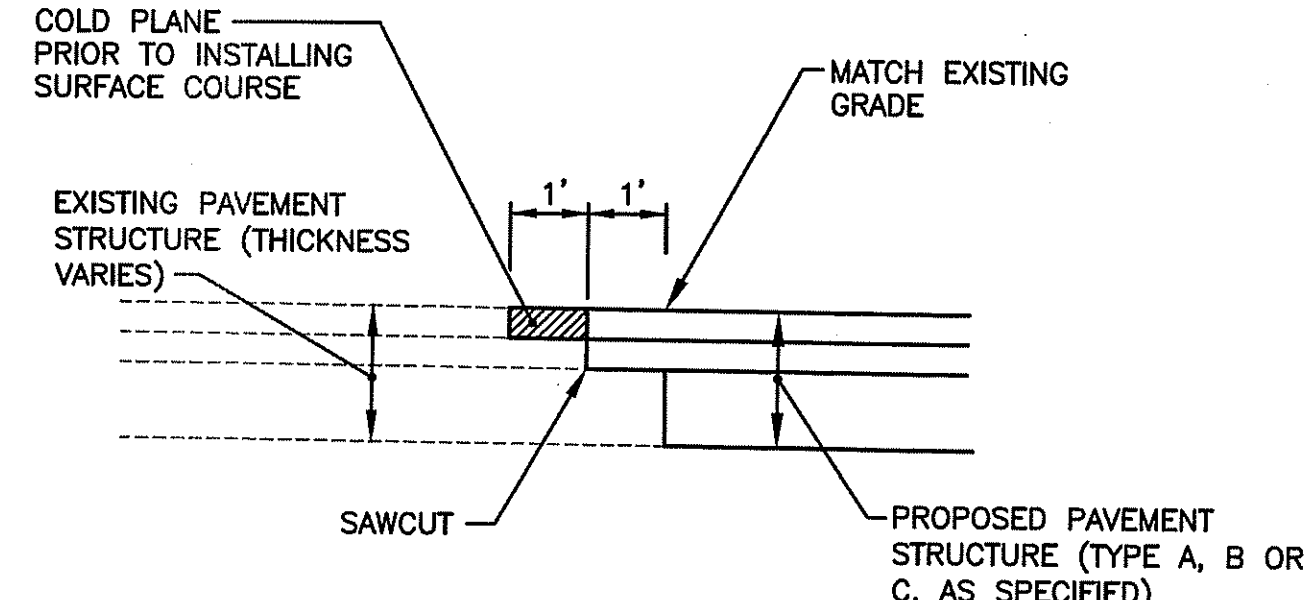


**CONSTRUCTION METHOD TYPE "A"**

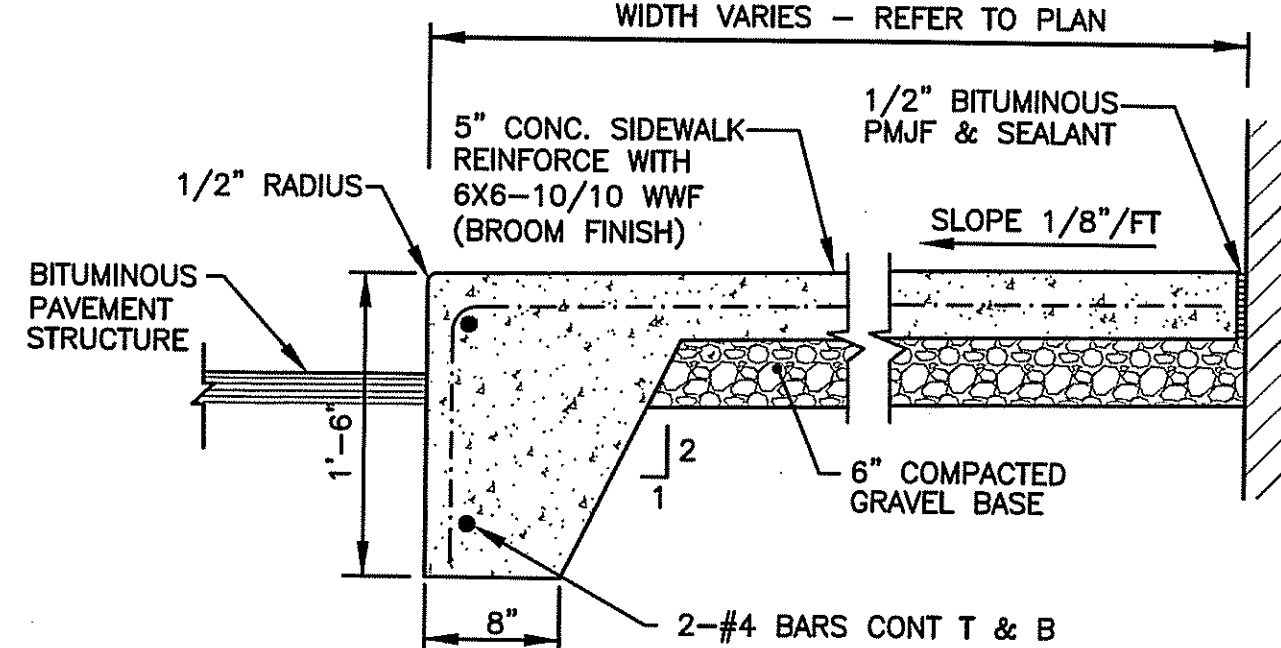
**NOTE:**

BERM SHALL BE MONOLITHIC PLACED WITH TOP COURSE OF BITUMINOUS PAVEMENT.

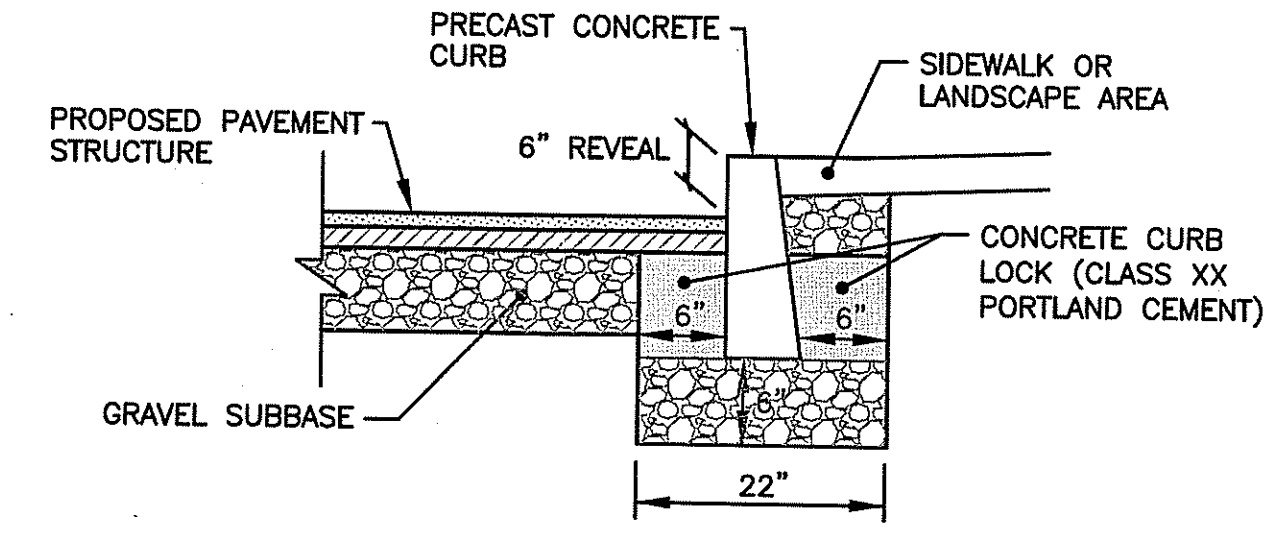
**BITUMINOUS CONCRETE BERM**  
NOT TO SCALE



**PROPOSED PAVEMENT MATCH AT EXISTING PAVEMENT**  
NOT TO SCALE

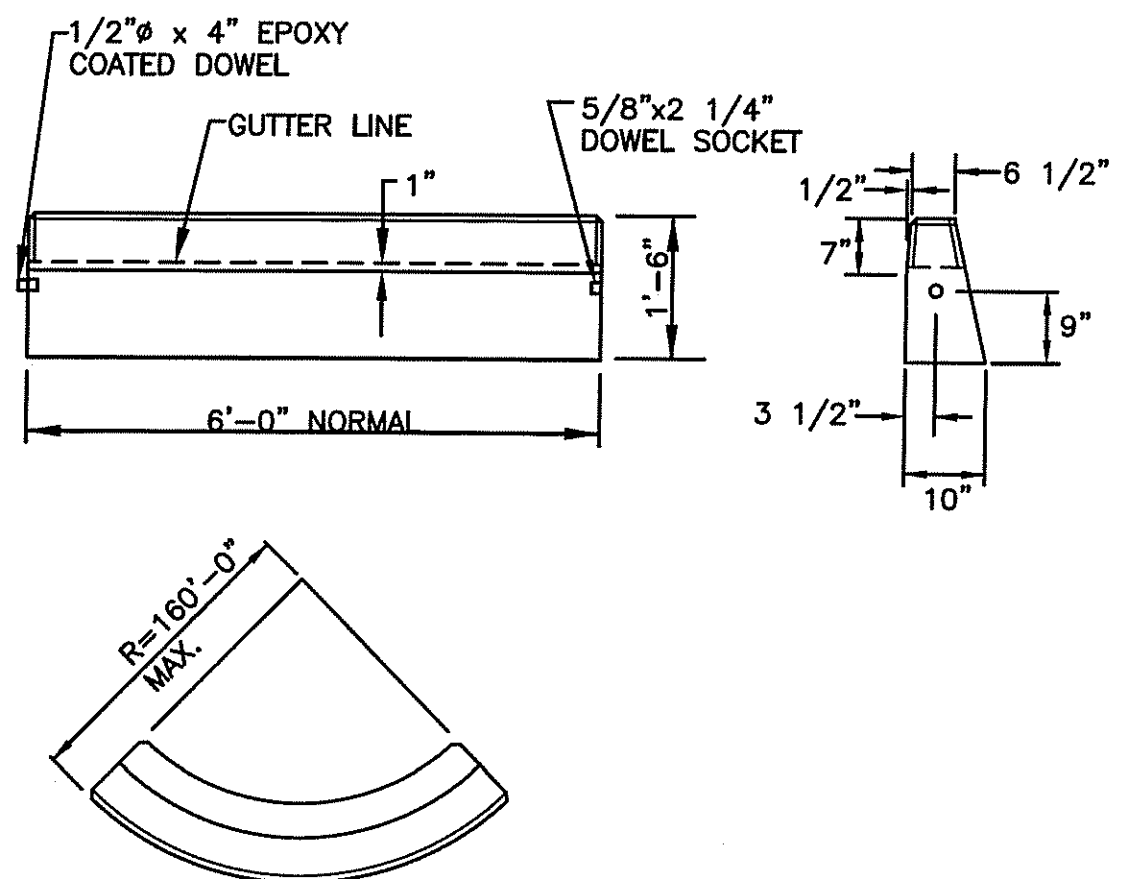


**TYPICAL CONCRETE WALK AT BUILDING DETAIL**  
NOT TO SCALE

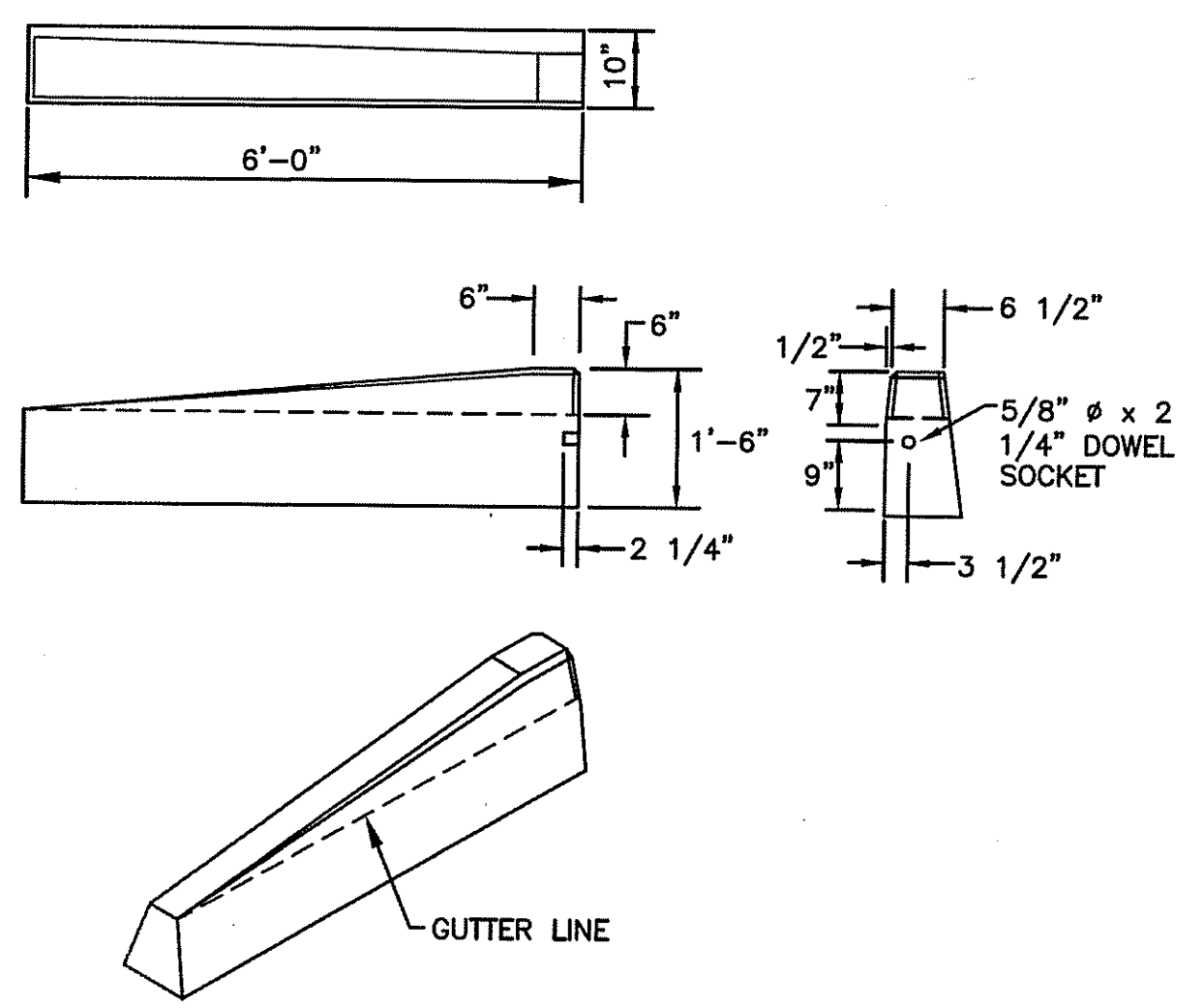


**NOTE:** CAST-IN-PLACE CONCRETE MAY BE UTILIZED

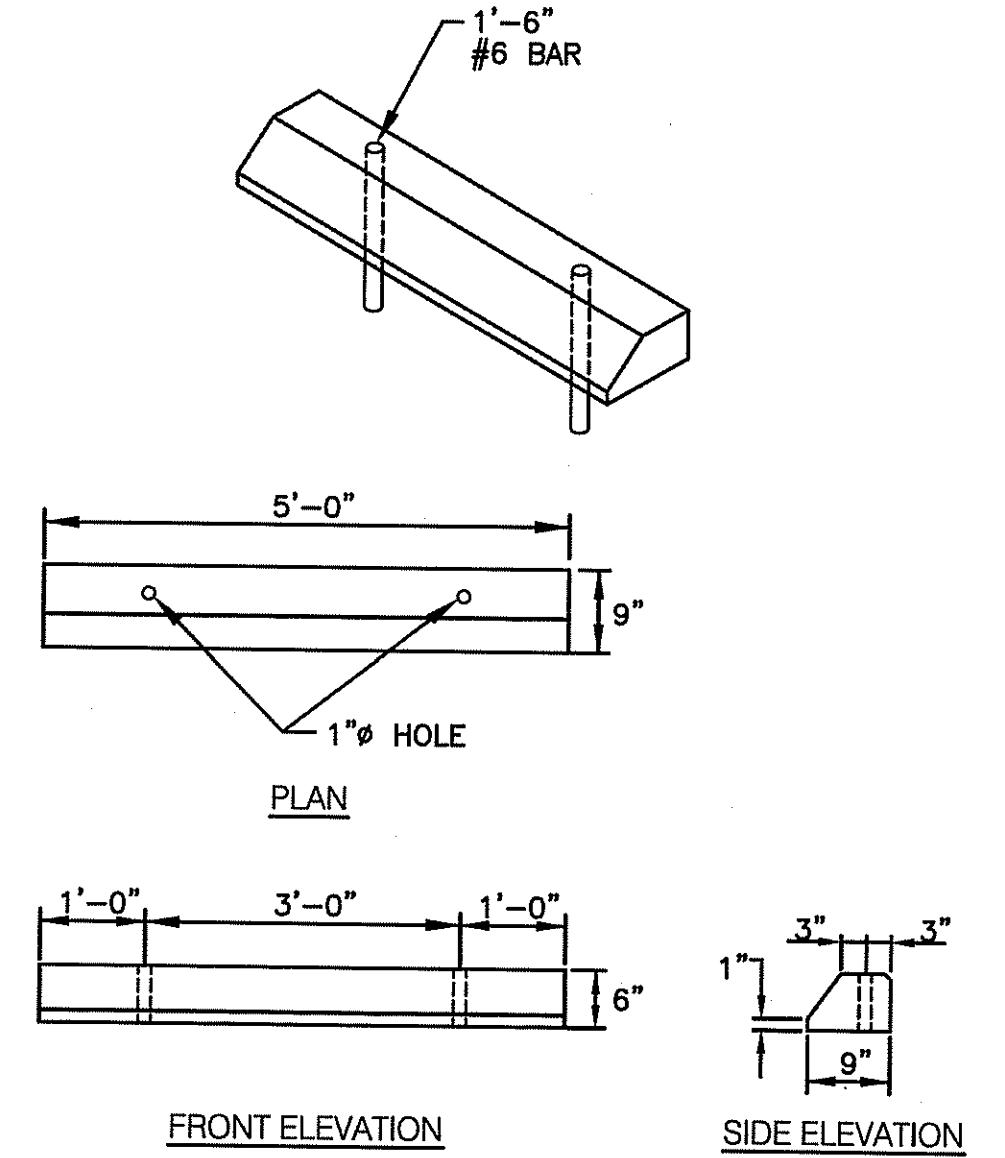
**TYPICAL PRECAST CONCRETE CURB INSTALLATION WITHIN PARKING AREAS**  
NOT TO SCALE



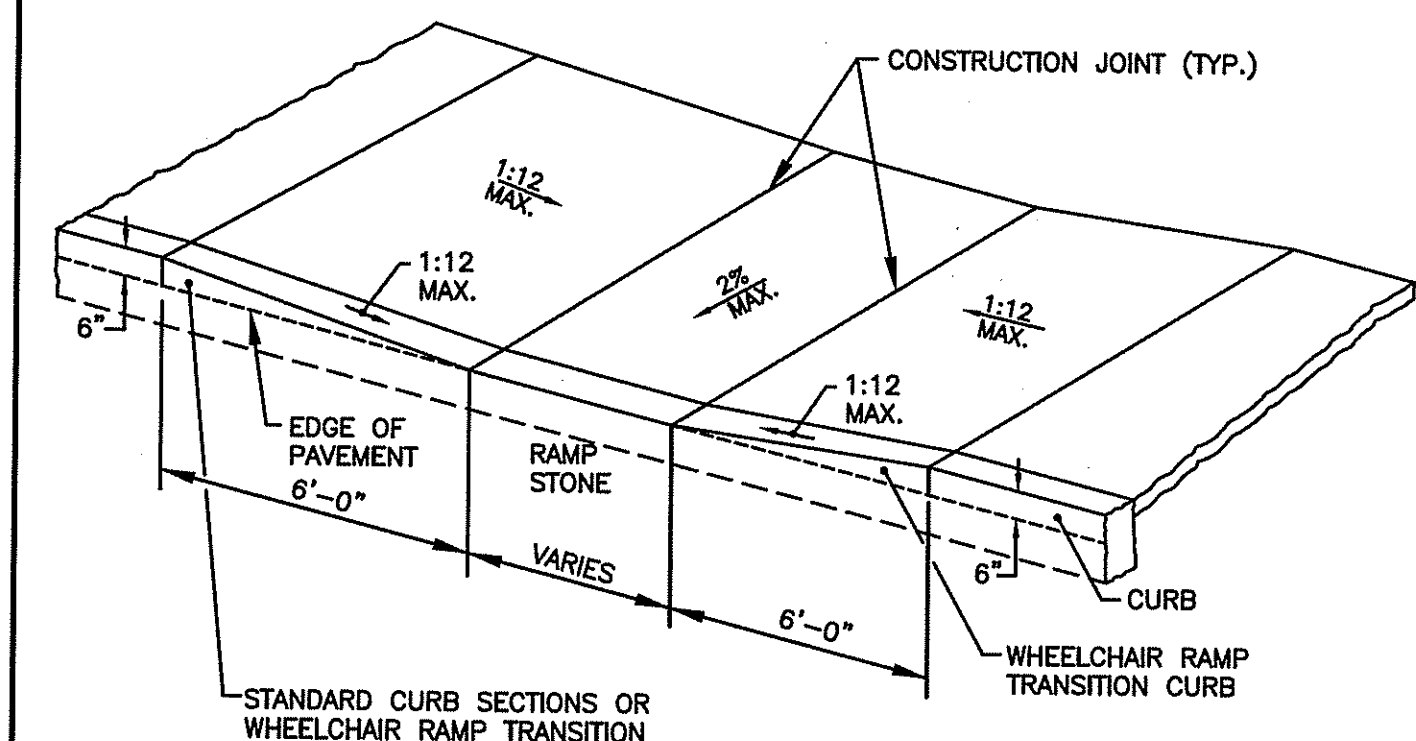
**PRECAST CONCRETE CURB**  
NOT TO SCALE



**6'-0" PRECAST CONCRETE TRANSITION CURB**  
NOT TO SCALE



**PRECAST CONCRETE CAR STOP**  
NOT TO SCALE



**ISOMETRIC VIEW**

**NOTE:** ALL WHEELCHAIR RAMPS SHALL BE IN ACCORDANCE WITH LOCAL STANDARDS, STATE BUILDING CODE AND ADA REQUIREMENTS.

**WHEELCHAIR RAMP DETAIL**  
NOT TO SCALE

**CROSSMAN ENGINEERING**  
151 Centerville Road | Warwick, Rhode Island 02886  
Phone: (401) 738-5660 | Fax: (401) 738-8157  
Email: cel@crossmaneng.com

**Waterman ENGINEERING COMPANY**  
Engineers & Surveyors - Est. 1894  
46 Sutton Avenue  
East Providence, RI  
Phone: (401) 438-5775  
Fax: (401) 438-5773  
www.watermanengineering.net

**STEVEN M. CABRAL**  
No. 4847  
12-1-12  
REGISTERED PROFESSIONAL ENGINEER

**PROJECT TITLE:**  
**PROPOSED WAREHOUSE EXPANSION**  
PLAT MAP 48, LOT 17B  
ZONING DISTRICT PC-D  
PLANNED CORPORATE DISTRICT  
500 GEORGE WASHINGTON HIGHWAY  
SMITHFIELD, RHODE ISLAND

**PREPARED FOR:**  
**FGX INTERNATIONAL, INC.**  
500 GEORGE WASHINGTON HIGHWAY  
SMITHFIELD, RHODE ISLAND  
02917

**DRAWING TITLE:**  
**MISCELLANEOUS DETAIL PLAN No. 1**

**DATE:** AUGUST 2012 **SCALE:** AS SHOWN  
**DWG. NAME:** 1841-C11.1-DETAIL1-R5.dwg

REVISIONS	NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12	
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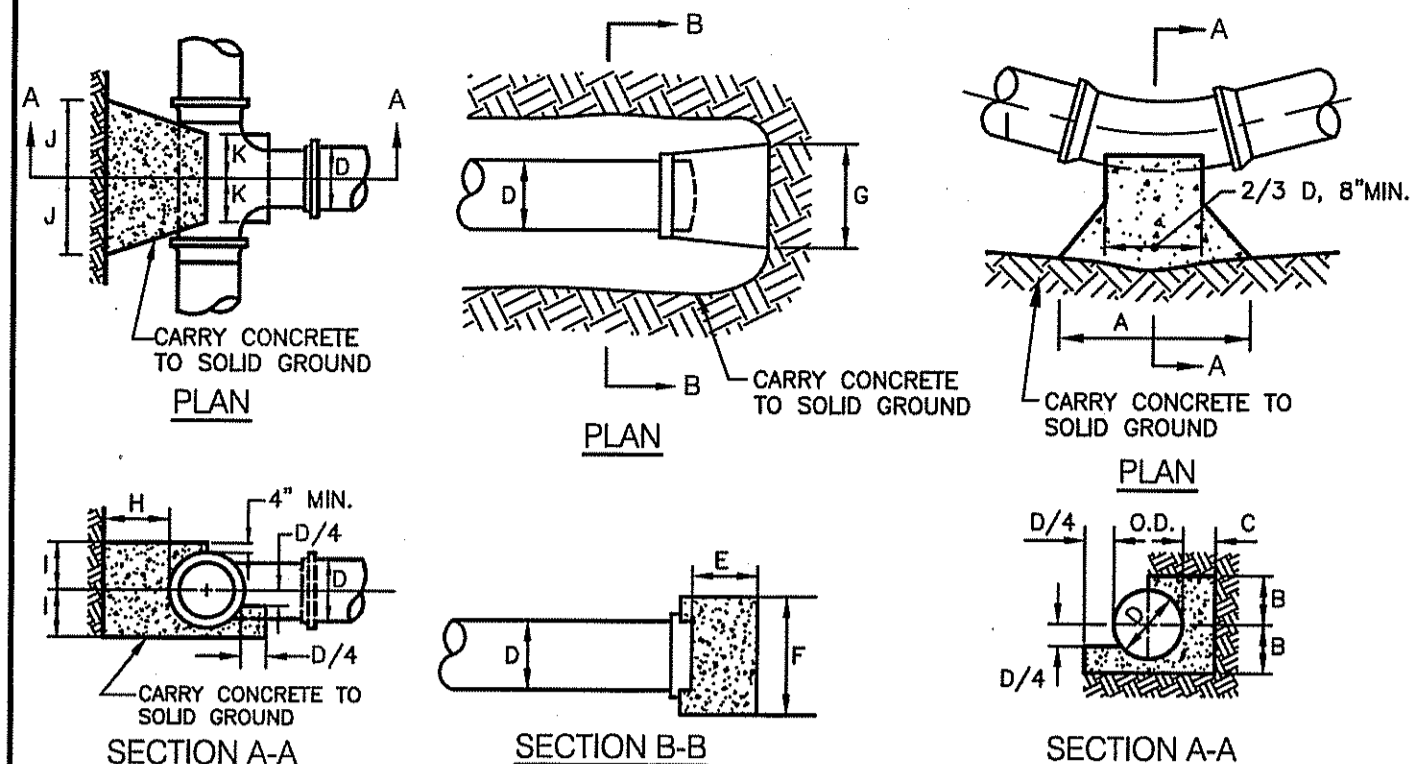
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATE: JAN 04 2013 FILE # 12-0140  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

**C11.1**  
SHEET: 19 OF 28

**AGENCY REVIEW SUBMISSION**

**GENERAL WATER NOTES**

- ALL INSTALLATION, JOINTS, CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE CURRENT RULES AND REGULATIONS OF THE SMITHFIELD WATER SUPPLY BOARD, AWWA STANDARDS AND GOVERNMENTAL REQUIREMENTS.
- ALL FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINT CLASS 350 CEMENT MORTAR LINED COMPACT STYLE (BY AMERICAN MANUFACTURER ONLY). FITTINGS SHALL MEET THE REQUIREMENTS OF ANSI/AWWA C153/A21.53. MECHANICAL JOINTS SHALL MEET THE REQUIREMENTS OF ANSI/AWWA C111/A21.11.
- WATER PIPE SHALL BE DOUBLE CEMENT MORTAR LINED DUCTILE IRON PIPE CLASS 52 (AMERICAN MANUFACTURER ONLY) AND SHALL MEET THE REQUIREMENTS OF THE SMITHFIELD WATER SUPPLY BOARD AND ANSI/AWWA C151/A21.51.
- CONSTRUCTION SHALL INCLUDE ALL PIPE, JOINTS, BENDS, TEES, FITTINGS, THRUST BLOCKS, GATE VALVES, GATE BOXES, SERVICE CONNECTIONS AND ALL MISCELLANEOUS ITEMS REQUIRED TO CONSTRUCT THE PROPOSED SYSTEM.
- 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 MECHANICAL RESTRAINED JOINT PIPE MAY BE UTILIZED.
- PRESSURE AND LEAKAGE TESTS AND DISINFECTING PIPES SHALL BE PERFORMED BY THE CONTRACTOR IN CONFORMANCE TO THE SMITHFIELD WATER SUPPLY BOARD REQUIREMENTS, AMERICAN WATER WORKS ASSOCIATION (AWWA) RECOMMENDATIONS, AND GOVERNMENTAL AGENCIES HAVING JURISDICTION. THE CONTRACTOR MUST FOLLOW THE REQUIREMENTS SET FORTH IN THE RULES AND REGULATIONS OF THE SMITHFIELD WATER SUPPLY BOARD.
- ALL GATE VALVES, FITTINGS, PIPE, JOINTS, ETC. SHALL BE DESIGNED FOR 1.5 TIMES WORKING PRESSURE BUT NOT LESS THAN 150 PSI.
- WATER PIPE SHALL BE LOCATED AT A DEPTH OF COVER EQUAL TO 5'-0". A MINIMUM OF 10'-FEET HORIZONTAL OR 18-INCH VERTICAL SEPARATION SHALL BE MAINTAINED IN THE PLACEMENT OF WATER MAINS, SERVICES, OR APPURTENANCES WITHIN THE VICINITY OF SEWER FACILITIES, OR VICE VERSA. WHERE THE ABOVE SEPARATION DISTANCES CANNOT BE ACHIEVED, THE SANITARY SEWER/STORM DRAIN PIPE SHALL BE ENCASED WITHIN A DUCTILE IRON CARRIER PIPE FOR A DISTANCE EQUAL TO 10'-FEET ON EITHER SIDE OF THE AREA OF CONCERN. CONCRETE ENCASEMENT IS NOT ALLOWED. UTILITY SEPARATION SHALL CONFORM TO THE RULES AND REGULATIONS OF THE SMITHFIELD WATER SUPPLY BOARD.
- ALL SYSTEM COMPONENTS AND CONSTRUCTION METHODS, SUCH AS GATE VALVE, PIPE, THRUST BLOCKS, FITTINGS, CASTINGS, ETC. SHALL BE SUBMITTED TO THE SMITHFIELD WATER SUPPLY BOARD AND ENGINEER FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION. THIS SUBMISSION SHALL INCLUDE MANUFACTURER'S LITERATURE, SHOP DRAWINGS, PROPOSED CONSTRUCTION METHODS, ETC..
- WATER LINE TRENCH TO BE AWWA TYPE 5. COMPACTION MUST BE ACCOMPLISHED IN 6" LIFTS. A METALIZED 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.
- GATE VALVES TO BE MUELLER IRON BODY BRONZE MOUNTED DOUBLE DISC PARALLEL SEAT TYPE OR AMERICAN DARLING RESILIENT VALVE SEAT MODEL CRS-80.
- THE FINAL LOCATIONS FOR ALL INTERIOR PIPING, BACK FLOW PREVENTORS AND VALVES SHALL BE VERIFIED WITH THE PLUMBING AND FIRE SPRINKLER SYSTEM SUB-CONTRACTORS.
- THE MANUFACTURER AND MODEL OF BACK FLOW PREVENTORS ARE TO BE VERIFIED BY THE APPROPRIATE PLUMBING AND FIRE SPRINKLER SUB-CONTRACTORS AND MUST BE APPROVED FOR USE BY THE SMITHFIELD WATER SUPPLY BOARD PRIOR TO ORDERING.
- AS-BUILT DRAWINGS MUST BE FURNISHED BY THE CONTRACTOR TO, AND APPROVED BY, THE SMITHFIELD WATER SUPPLY BOARD PRIOR TO WATER SERVICE ACTIVATION.
- ANY CONFLICTS ENCOUNTERED DURING CONSTRUCTION MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONTINUING WORK.
- CONSTRUCTION SHALL INCLUDE ALL PIPE, JOINTS, BENDS, TEES, FITTINGS, THRUST BLOCKS, GATE VALVES, GATE BOXES, SERVICE CONNECTIONS, METERS, BACKFLOW ASSEMBLY AND ALL MISCELLANEOUS ITEMS REQUIRED TO CONSTRUCT THE PROPOSED SYSTEM.
- PRESSURE AND LEAKAGE TESTS AND DISINFECTING PIPES SHALL BE PERFORMED BY THE CONTRACTOR IN CONFORMANCE TO SMITHFIELD WATER SUPPLY BOARD REQUIREMENTS, AMERICAN WATER WORKS ASSOCIATION (AWWA) RECOMMENDATIONS, AND GOVERNMENTAL AGENCIES HAVING JURISDICTION.



THRUST BLOCK FOR TEES		
SIZE OF BRANCH	D	H
6"	8"-12"	1'-6"
8"	1'-6"	1'-6"
10"	1'-3"	1'-7"
12"	1'-3"	1'-7"
14"	1'-3"	1'-7"
16"	8"	12"

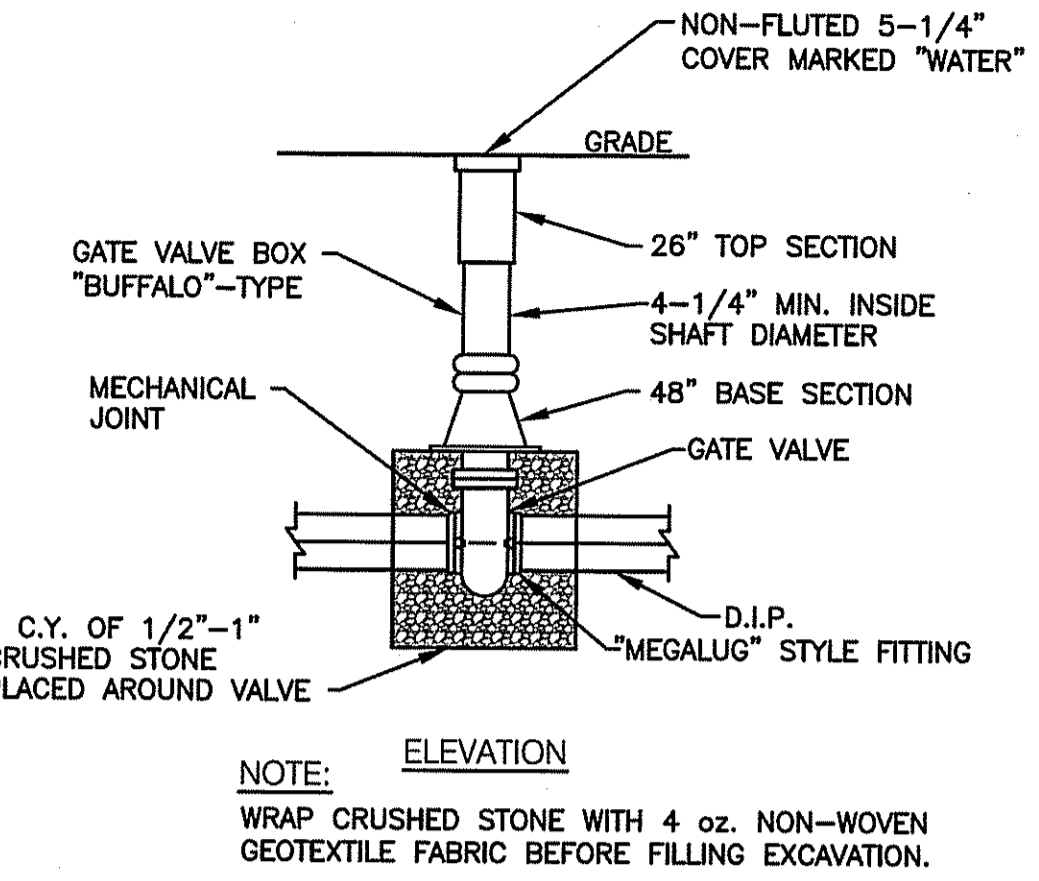
  

THRUST BLOCKS FOR CAPS		
D	E	F
6"	8"-12"	1'-6"
8"	1'-6"	1'-6"
10"	2'-5"	3'-2"
12"	2'-5"	3'-2"

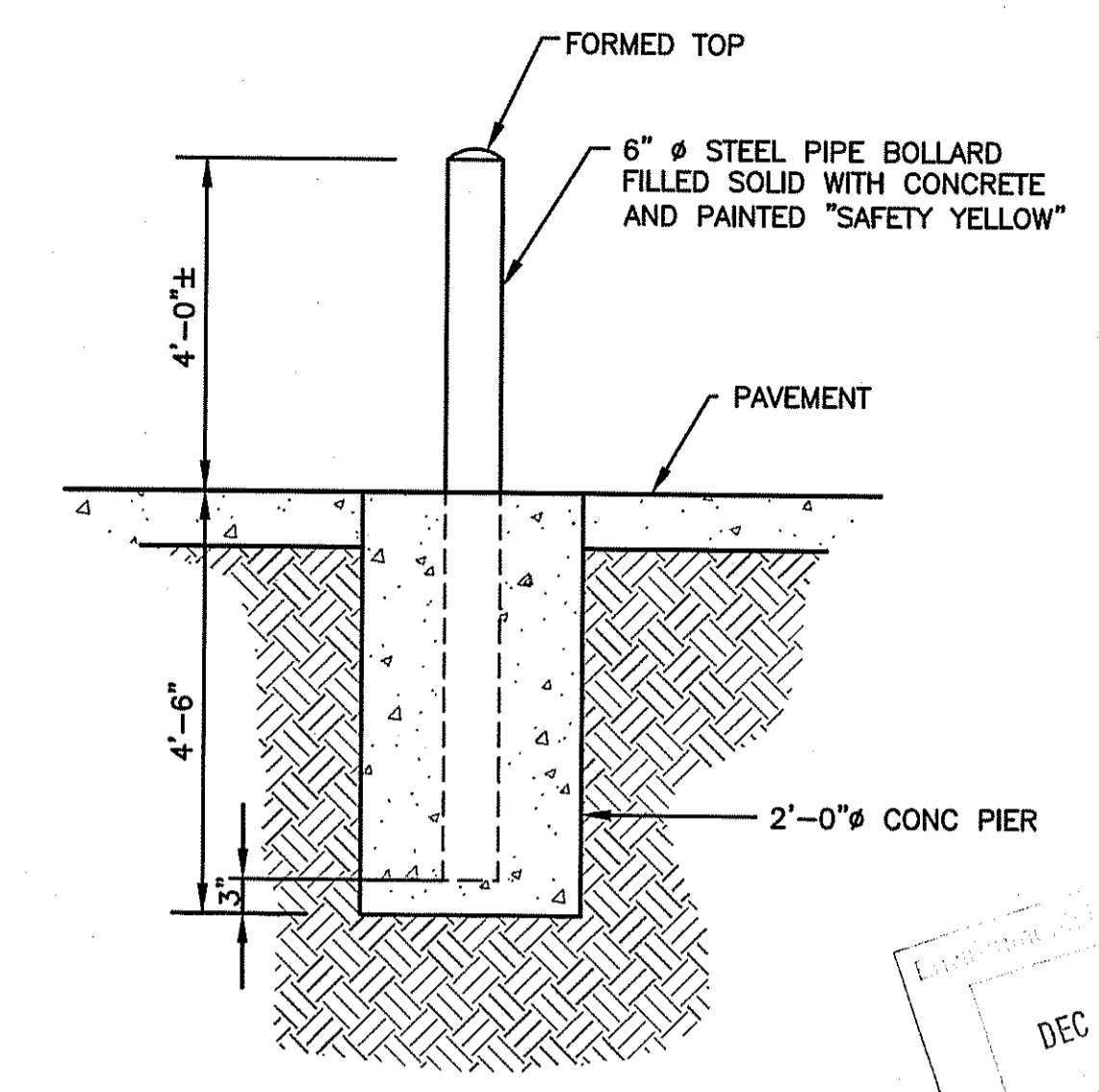
  

THRUST BLOCKS FOR HORIZONTAL BENDS			
BEND	A	B	C
1/8 (45°)	2'-0"	2'-6"	2'-6"
	10"	12"	12"
	1'-6"	1'-6"	1'-6"
1/4 (90°)	2'-6"	3'-0"	4'-0"
	1'-3"	1'-7"	1'-9"
	1'-6"	1'-6"	1'-6"

**THRUST BLOCKS FOR CAPS, TEES AND HORIZONTAL BENDS**  
NOT TO SCALE



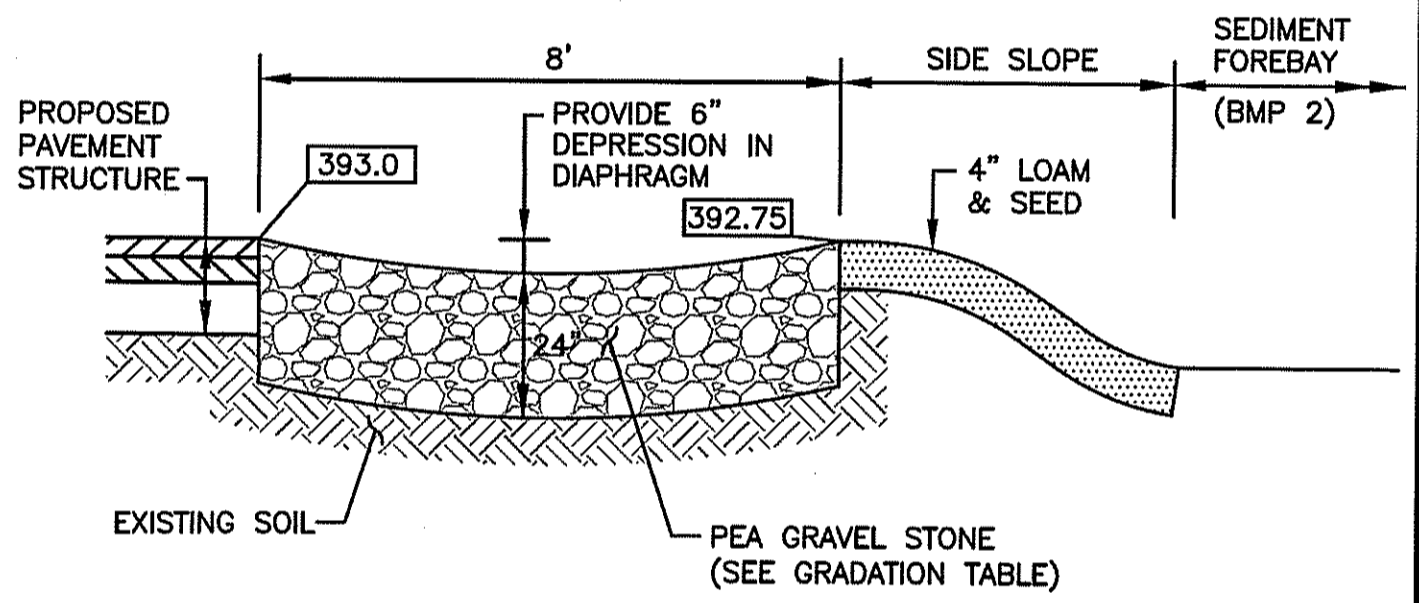
**TYPICAL WATER GATE BOX INSTALLATION**  
NOT TO SCALE



**TYPICAL BOLLARD DETAIL**  
NOT TO SCALE

**THRUST BLOCK NOTES**

- ALL CONCRETE TO BE CLASS B.
- BUTRESS DIMENSIONS SHOWN ARE MINIMUM. DIMENSIONS ARE BASED UPON SOIL BEARING PRESSURE OF 1500 P.S.F. LATERAL AND STATIC WATER PRESSURE OF 150 P.S.I. WHERE PRESSURE EXCEEDS 150 P.S.I. OR WHERE SOIL BEARING PRESSURE IS LESS THAN 1500 P.S.F. LATERAL; OR SOIL CONDITIONS OR EXCAVATION LIMITS ENCOUNTERED DURING CONSTRUCTION MAKE IT UNFEASIBLE TO PLACE THRUST BLOCKS AGAINST UNDISTURBED EARTH OF THE PROPER BEARING CAPACITY. THE CONTRACTOR SHALL DESIGN, GET APPROVAL OF, AND PLACE SPECIAL REACTION BLOCKS OF SUFFICIENT WEIGHT TO RESIST THE FULL THRUST OF THE LINE UNDER TEST AND OPERATING PRESSURES. THE DESIGN OF SUCH BLOCKS SHALL BE SUBJECT TO THE APPROVAL OF THE SMITHFIELD WATER SUPPLY BOARD AND THE ENGINEER BEFORE ACTUAL INSTALLATION TAKES PLACE.
- ALL THRUST BLOCKS SHALL BE CONCRETE 3,000 P.S.I. @ 28 DAYS AND BEARING AGAINST UNDISTURBED EARTH.



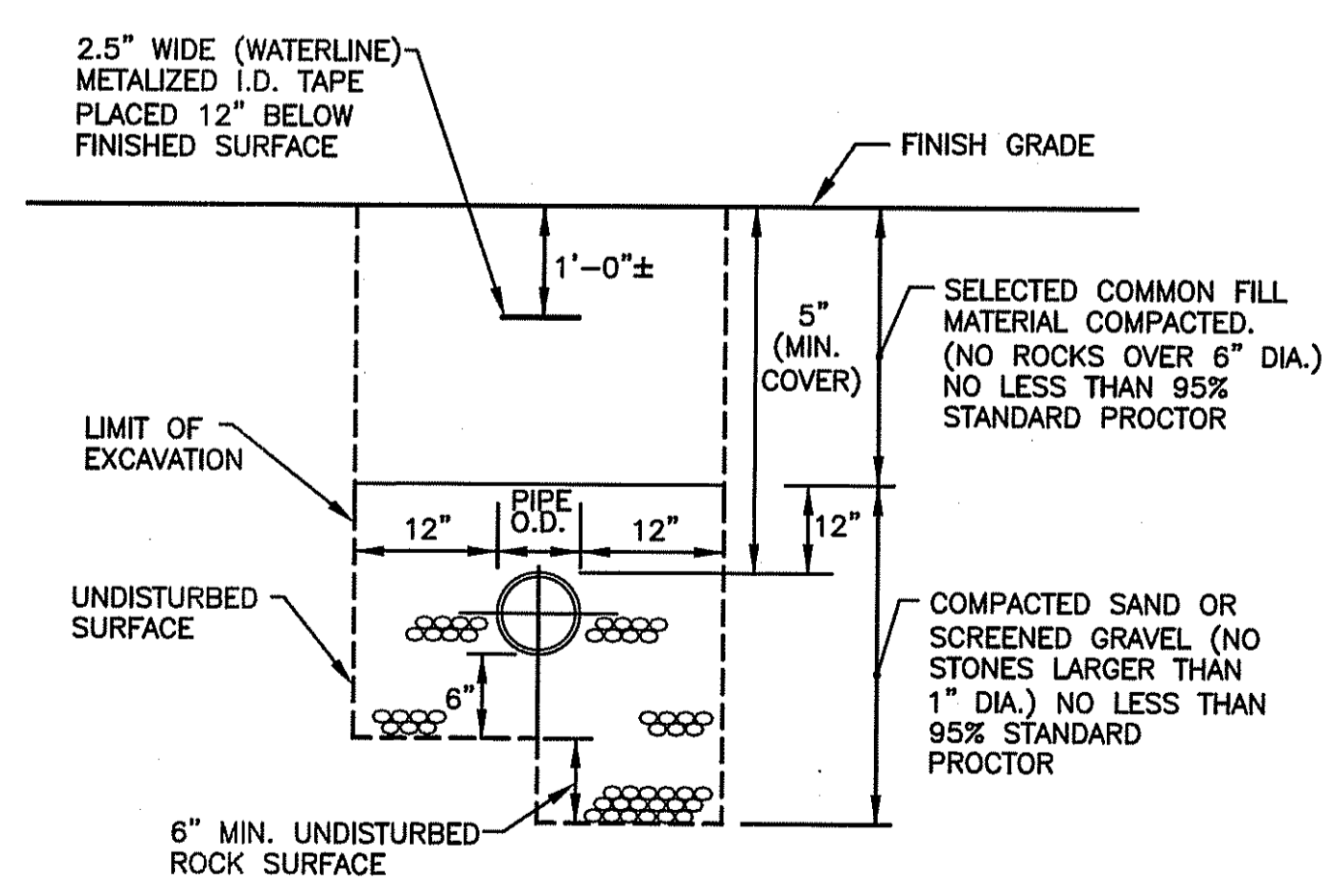
**BMP 1  
PEA GRAVEL DIAPHRAGM**  
NOT TO SCALE

**GRADATION OF PEA GRAVEL STONE**

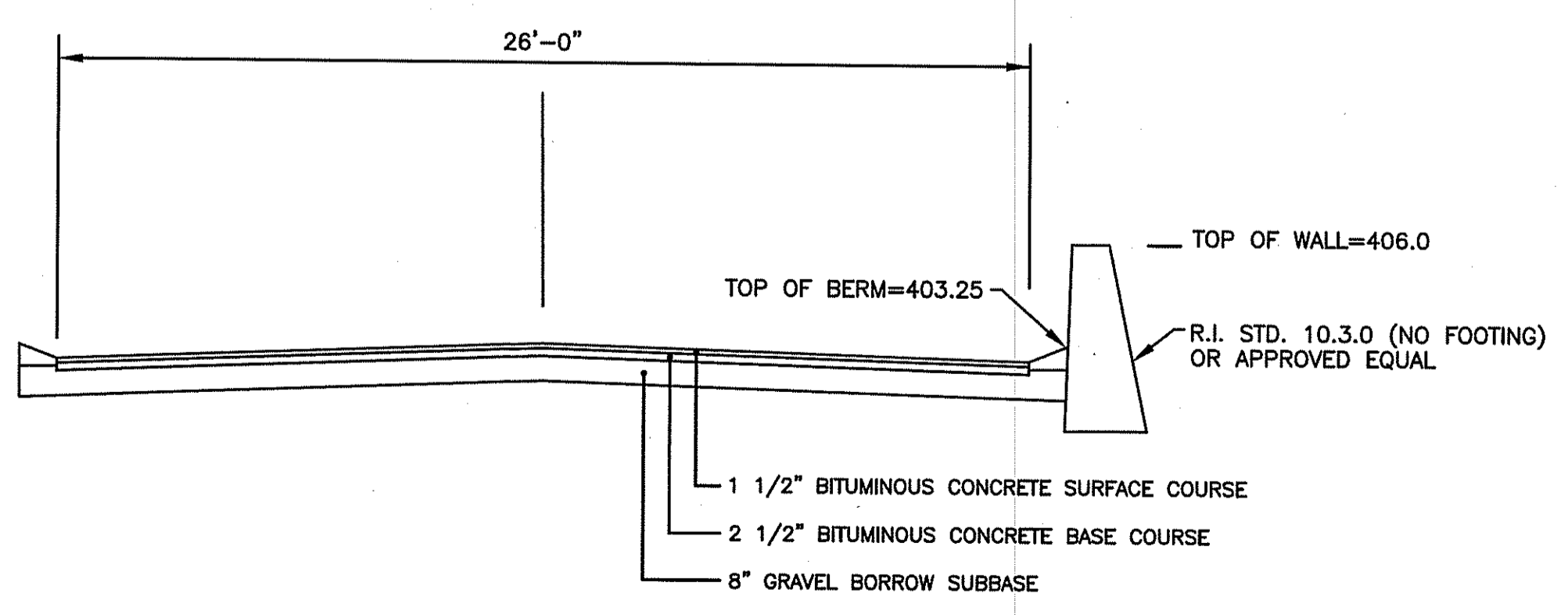
US STANDARD SIEVE SIZE (INCHES)	PERCENT PASSING
1/2	100
3/8	85-100
#4	10-30
#8	0-10
#16	0-5

SOURCE: STANDARD SPECIFICATIONS FOR TRANSPORTATION MATERIALS AND METHODS OF SAMPLING AND TESTING, PART 1A: SPECIFICATIONS, 25TH EDITION, 2005.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
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*Martin D. Wencel*



**TYPICAL WATER LINE TRENCH DETAIL**  
NOT TO SCALE



**EXTENSION OF RESERVOIR ROAD TYPICAL SECTION**  
SCALE: 1"=4'

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151 CENTERVILLE ROAD  
WARWICK, RHODE ISLAND 02886  
PHONE: (401) 738-5660  
EMAIL: CE@CROSSMANENG.COM

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46 Sutton Avenue  
East Providence, RI  
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**STEVEN M. CABRAL**  
4847  
REGISTERED PROFESSIONAL ENGINEER

**PROPOSED WAREHOUSE EXPANSION**  
PLAT MAP 48, LOT 17B  
ZONING DISTRICT PCD  
PLANNED CORPORATE DISTRICT  
500 GEORGE WASHINGTON HIGHWAY  
SMITHFIELD, RHODE ISLAND

**FGX INTERNATIONAL, INC.**  
500 GEORGE WASHINGTON HIGHWAY  
SMITHFIELD, RHODE ISLAND  
02917

**MISCELLANEOUS DETAIL PLAN No. 2**

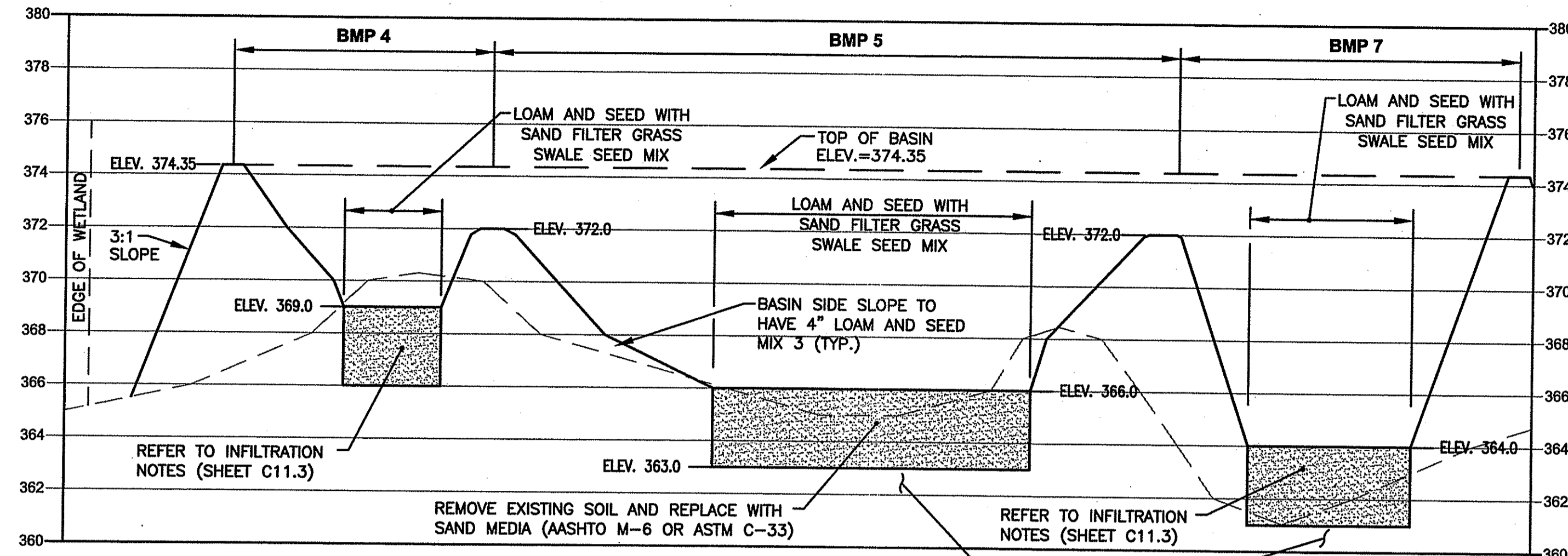
DATE: AUGUST 2012 SCALE: AS SHOWN  
DWG. NAME: 1841-C11.2-DETAIL2-R5.dwg

**REVISIONS**

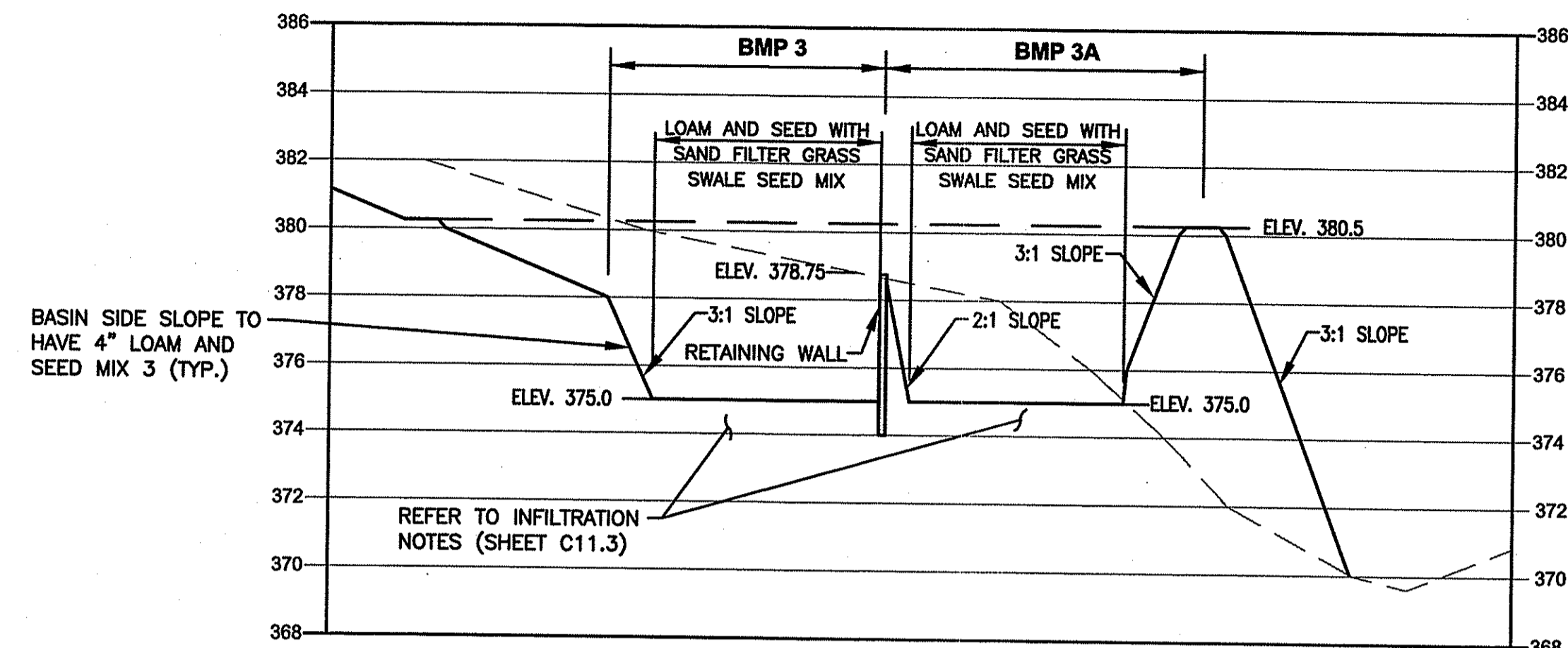
NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/28/12

DRAWING NUMBER  
**C11.2**  
SHEET: 20 OF 28  
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**SECTION A - A (BMP 4, 5 and 7)**  
SCALE: HORIZ. 1"=40'  
VERT. 1"=4'



**SECTION B - B (BMP 3 and 3A)**  
SCALE: HORIZ. 1"=40'  
VERT. 1"=4'

**NOTES**

- SAND FILTER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL, APPENDIX F.5, CONSTRUCTION STANDARDS/SPECIFICATIONS FOR FILTER BMP'S.
- MATERIAL USED FOR SAND FILTER SHALL MEET THE REQUIREMENTS OF TABLE F-16 IN APPENDIX F.5.
- THE CONTRACTOR IS RESPONSIBLE TO BECOME FAMILIAR WITH THE ABOVE REFERENCED MANUAL. THE MANUAL CAN BE FOUND AT <http://www.dem.ri.gov/pubs/regs/water/swmanual.pdf>.
- CONTRACTOR IS RESPONSIBLE TO SUBMIT SHOP DRAWINGS AND SPECIFICATIONS FOR SAND FILTER MATERIAL PRIOR TO START OF CONSTRUCTION.
- INSTALL 3" PERFORATED PIPE IN BASIN, SOLID PIPE OUTSIDE OF BASIN.

**BMP 3, 3A, 4, 5 and 7 SAND FILTER/INFILTRATION BASIN SEED MIX (BOTTOM)**

APPLICATION RATE = 15-25 LBS. / ACRE  
(SEASONALLY FLOODED MIX)  
(SAND FILTER BOTTOM AREA)

- 20% FOX SEDGE, PA ECOTYPE (CAREX VULPINOIDEA, PA ECOTYPE)
- 16% VIRGINIA WILD RYE, PA ECOTYPE (ELYMUS VIRGINICUS, PA ECOTYPE)
- 15% RIVERBANK WILD RYE, PA ECOTYPE (ELYMUS RIPARIUS, PA ECOTYPE)
- 15% JAPANESE MILLET (ECHINOCHLOA CRUSGALLI VAR. FRUMENTACEA)
- 15% DEER TONGUE, "TIOGA" (PANICUM CLANDESTINUM (DICHANTHELIUM C.), "TIOGA")
- 9% BLUNT BROOM SEDGE, PA ECOTYPE (CAREX SCOPARIA, PA ECOTYPE)
- 5% SWITCHGRASS, "CAVE-IN-ROCK" (PANICUM VIRGATUM, "CAVE-IN-ROCK")
- 2% GREEN BULRUSH, PA ECOTYPE (SCIRPUS ATROVIRENS, PA ECOTYPE)
- 2% AWL SEDGE, PA ECOTYPE (CAREX STIPATA, PA ECOTYPE)
- 1% AUTUMN BENTGRASS, APB (AGROSTIS PERENNANS, APB)

NOTE:  
THE ABOVE MIX IS IDENTIFIED AS "SEASONALLY FLOODED MIX" SUPPLIED BY ALLENS SEED, 693 SOUTH COUNTY TRAIL, EXETER, RI (401-294-2722). CONTRACTOR MAY USE APPROVED EQUAL SEED MIX.

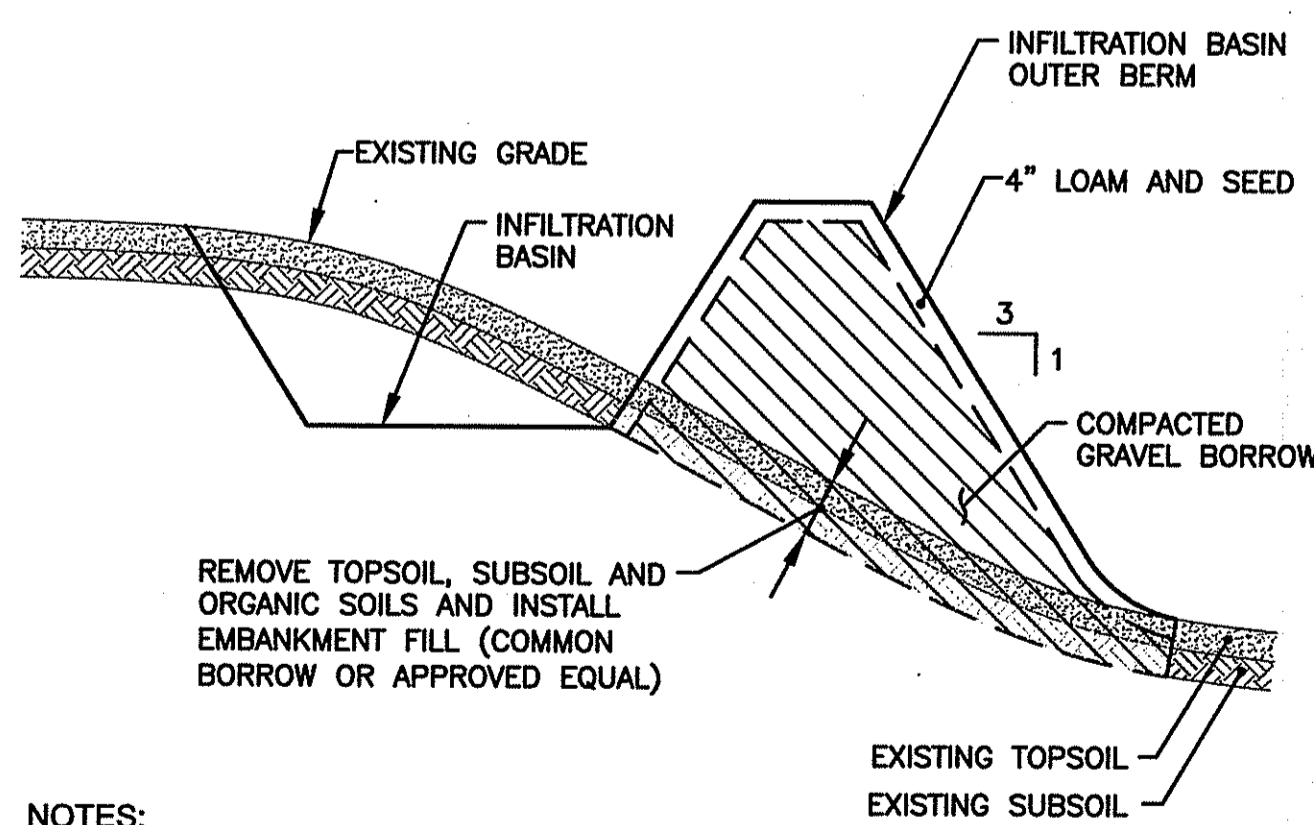
**BMP 3, 3A, 4, 5 and 7 TOPSOIL NOTE (BOTTOM)**

PREPARE THE SAND FILTER BOTTOM BED WITH THE FOLLOWING SAND, LOAM AND ORGANIC SOIL MIX: USDA LOAMY SAND OR SANDY LOAM SOIL TYPE MEETING THE FOLLOWING SPECIFICATION:

- ORGANIC MATTER: 2-5%
- CLAY: 0-2%
- SILT: 0-12%
- SAND: 85-88%

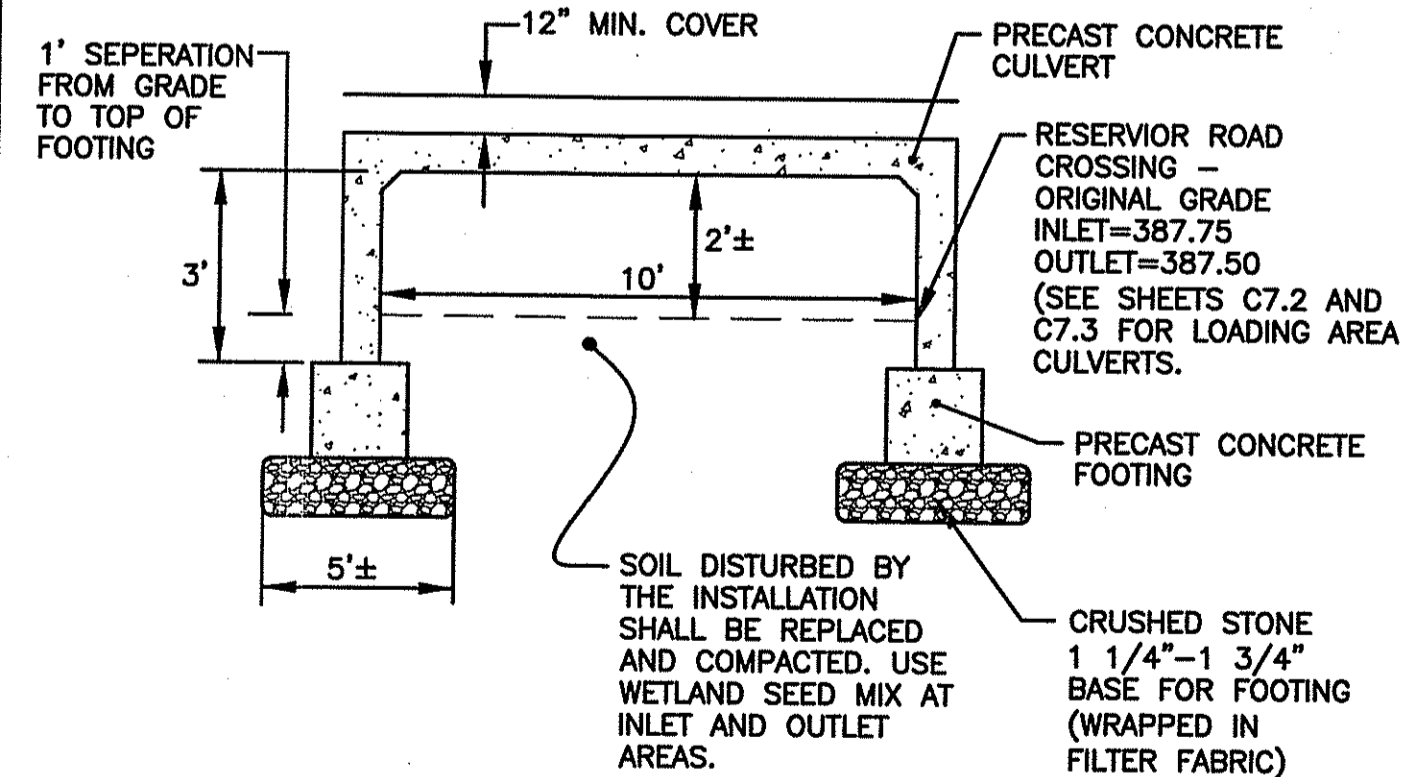
NOTE:  
FILTER FABRIC PLACED BETWEEN SAND AND TOPSOIL LAYERS SHALL BE MIRAFL 180-N OR APPROVED EQUAL.

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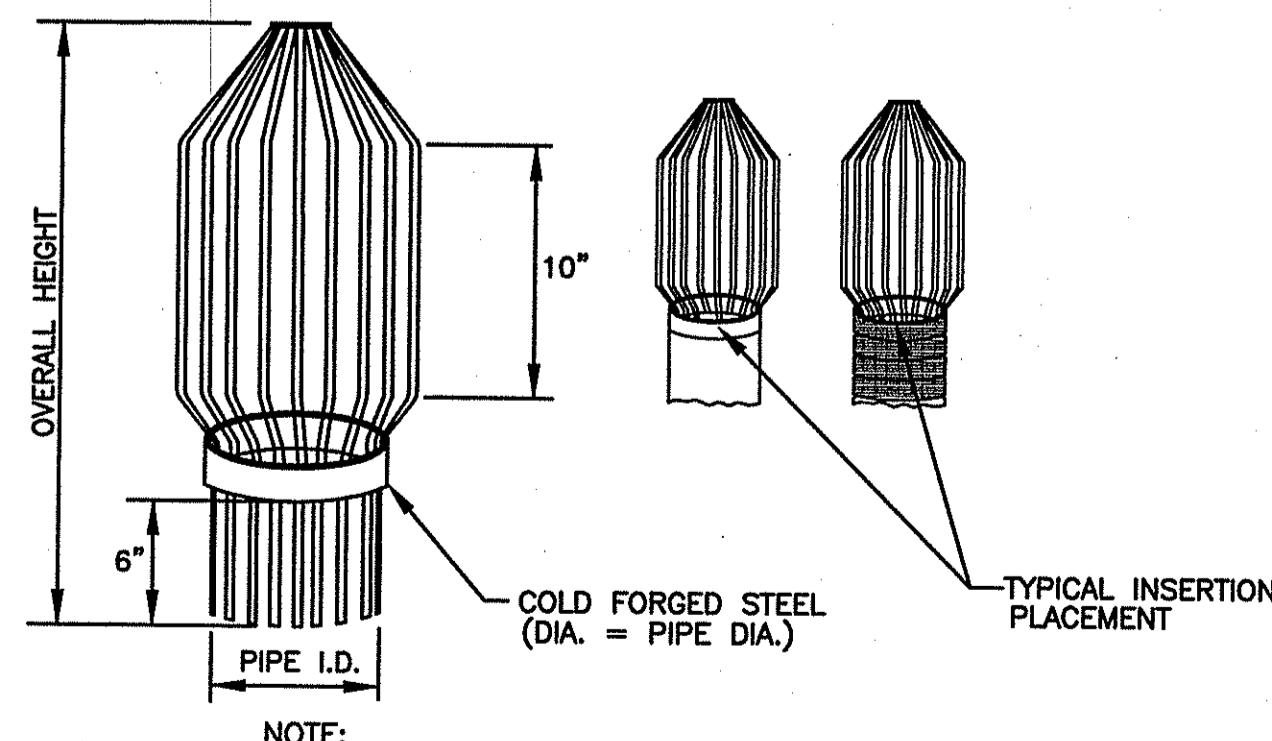
- NOTES:**
- USE ANTI-SEEP COLLAR AROUND ALL OUTLET PIPES.
  - NOTCHED EMBANKMENT TO BE USED BELOW PONDS 10P, 12P, 14P, 17P AND 19P.

**NOTCHED EMBANKMENT CONSTRUCTION DETAIL - SCHEMATIC**  
NOT TO SCALE



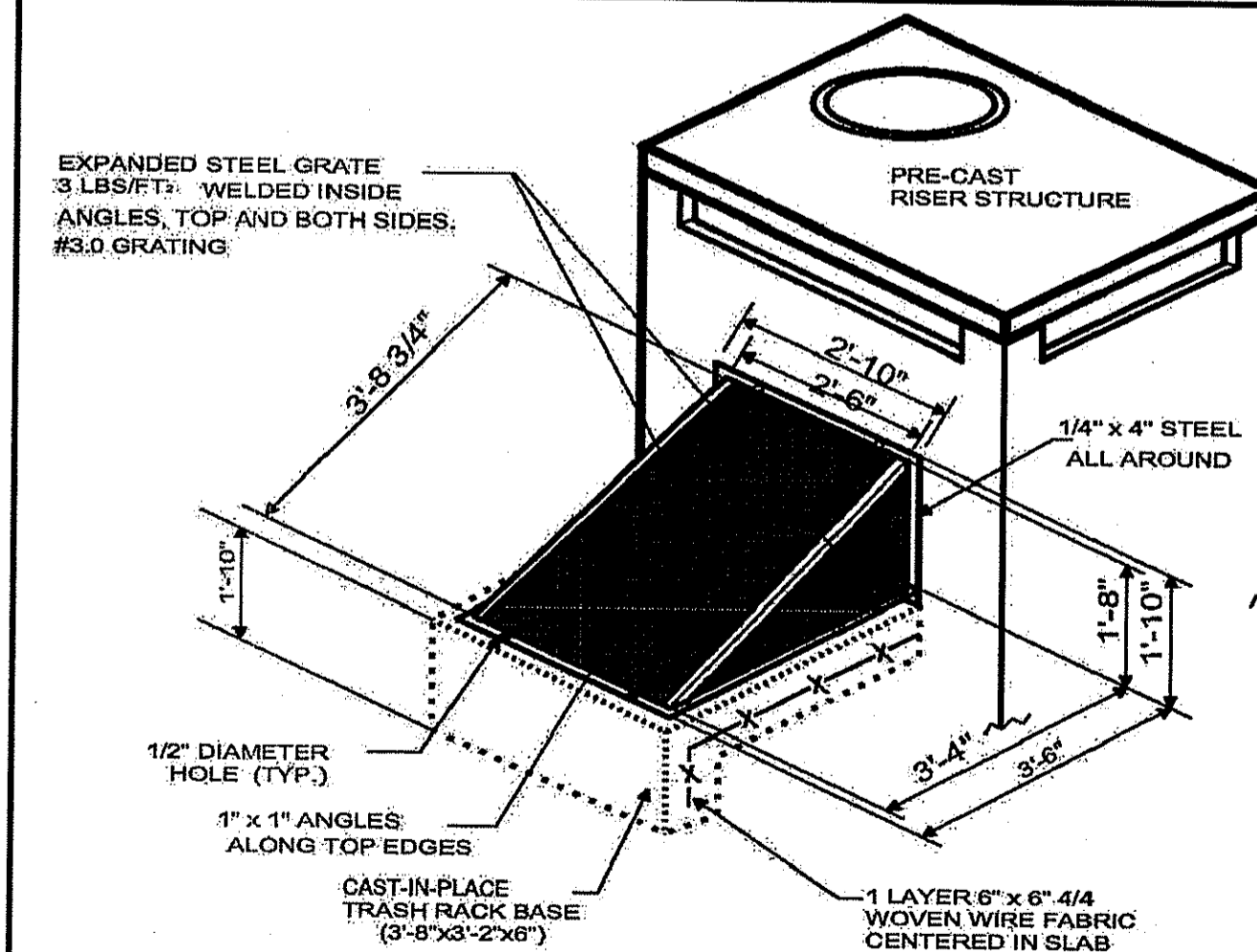
- NOTES:**
- CONTRACTOR IS RESPONSIBLE TO RETAIN A PRECAST CONCRETE SUPPLIER WITH A PROFESSIONAL ENGINEER TO DESIGN AND CERTIFY THE PRECAST CULVERT, FOOTING AND HEADWALL SYSTEM.
  - THE CULVERT FOOTINGS AND HEADWALL SHALL BE ABLE TO WITHSTAND H-20 LOADING.
  - THE GUARDRAIL POSTS SHALL BE PROPERLY SECURED TO THE CULVERT OR INSTALLED PER RI STD. 34.1.2.
  - SUBMITTALS OF SHOP DRAWINGS ARE REQUIRED FOR APPROVAL PRIOR TO CONSTRUCTION.

PIPE DIA.	BAR DIA.	BAR SPACING	OVERALL O.D.	OVERALL HEIGHT
8"	1/4"	1 1/8"	9 1/2"	19 1/8"
12"	1/4"	1 1/8"	13 1/2"	21 1/8"
15"	5/16"	1 1/2"	16 1/2"	22 1/8"
18"	5/16"	1 1/2"	19 1/2"	23 1/2"
24"	5/16"	2"	25 1/2"	26 1/2"
36"	5/16"	2"	37 1/2"	33 1/8"



- NOTE:  
1. THE TRASH RACK IS TO BE CONSTRUCTED OF 1/4" DIAMETER STEEL BASE, ACRYLIC COATED AGRI-DRAIN OR EQUAL.

**TYPICAL TRASH RACK DETAIL FOR ORIFICES >6"**  
NOT TO SCALE



- NOTES:**
- BRACING TO BE ADJUSTED TO CREATE FLUSH SEAL AGAINST CIRCULAR RISER STRUCTURES.
  - DIMENSIONS SHALL BE ADJUSTED TO FIT ORIFICE CONFIGURATIONS.

**TYPICAL TRASH RACK DETAIL FOR ORIFICES <6"**  
NOT TO SCALE

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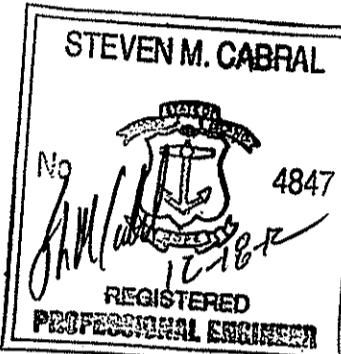
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Fax: (401) 438-5773  
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DEC 18 2012

KEY PLAN



PROJECT TITLE:

**PROPOSED WAREHOUSE EXPANSION**

PLAT MAP 48, LOT 17B  
ZONING DISTRICT PCD  
PLANNED CORPORATE DISTRICT  
500 GEORGE WASHINGTON HIGHWAY  
SMITHFIELD, RHODE ISLAND

PREPARED FOR:

**FGX INTERNATIONAL, INC.**

500 GEORGE WASHINGTON HIGHWAY  
SMITHFIELD, RHODE ISLAND  
02917

DRAWING TITLE:

**MISCELLANEOUS DETAIL PLAN No. 4**

DATE: AUGUST 2012 SCALE: AS SHOWN

DWG. NAME: 1841-C11.4-DETAIL4-R6.dwg

REVISIONS

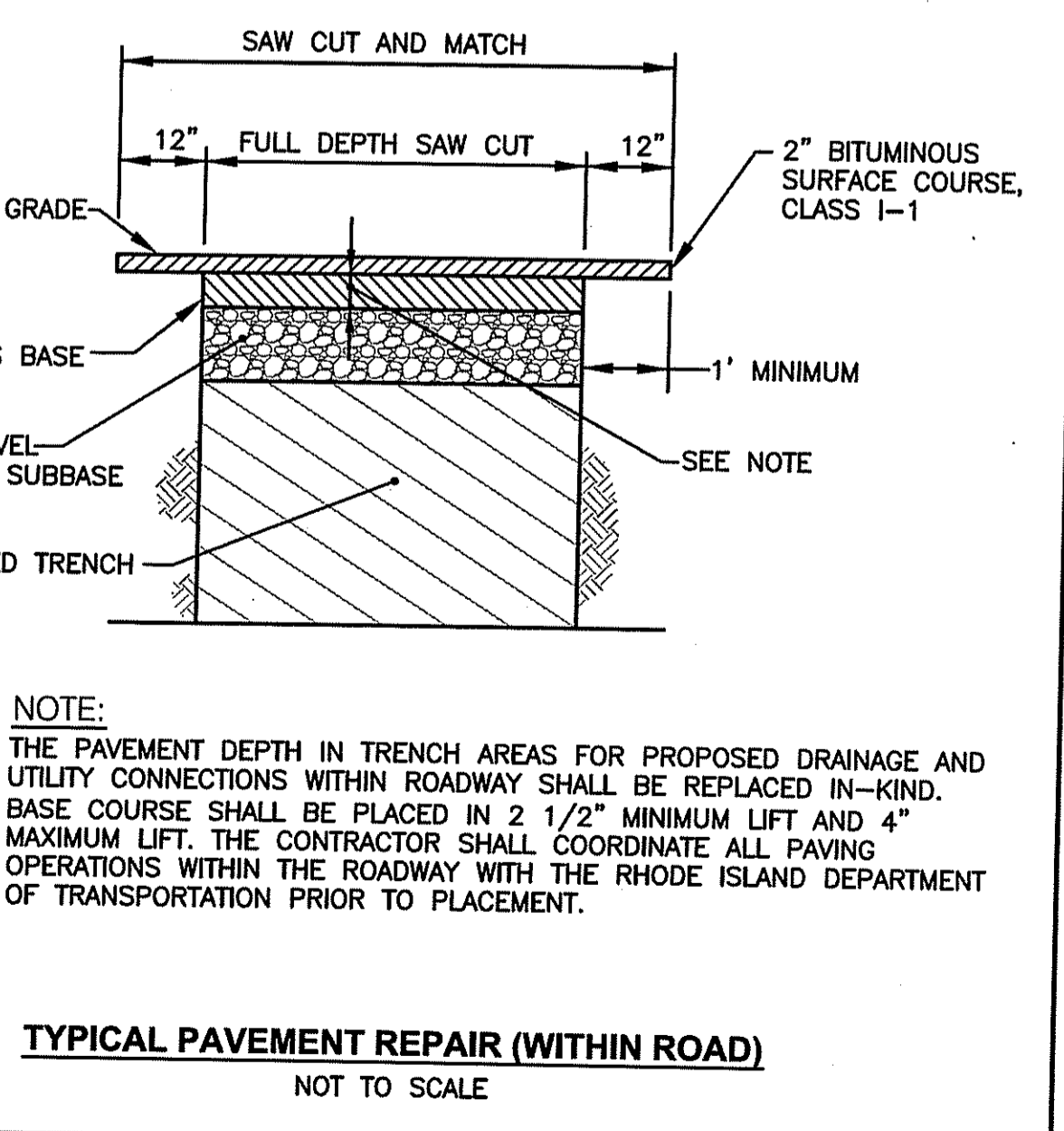
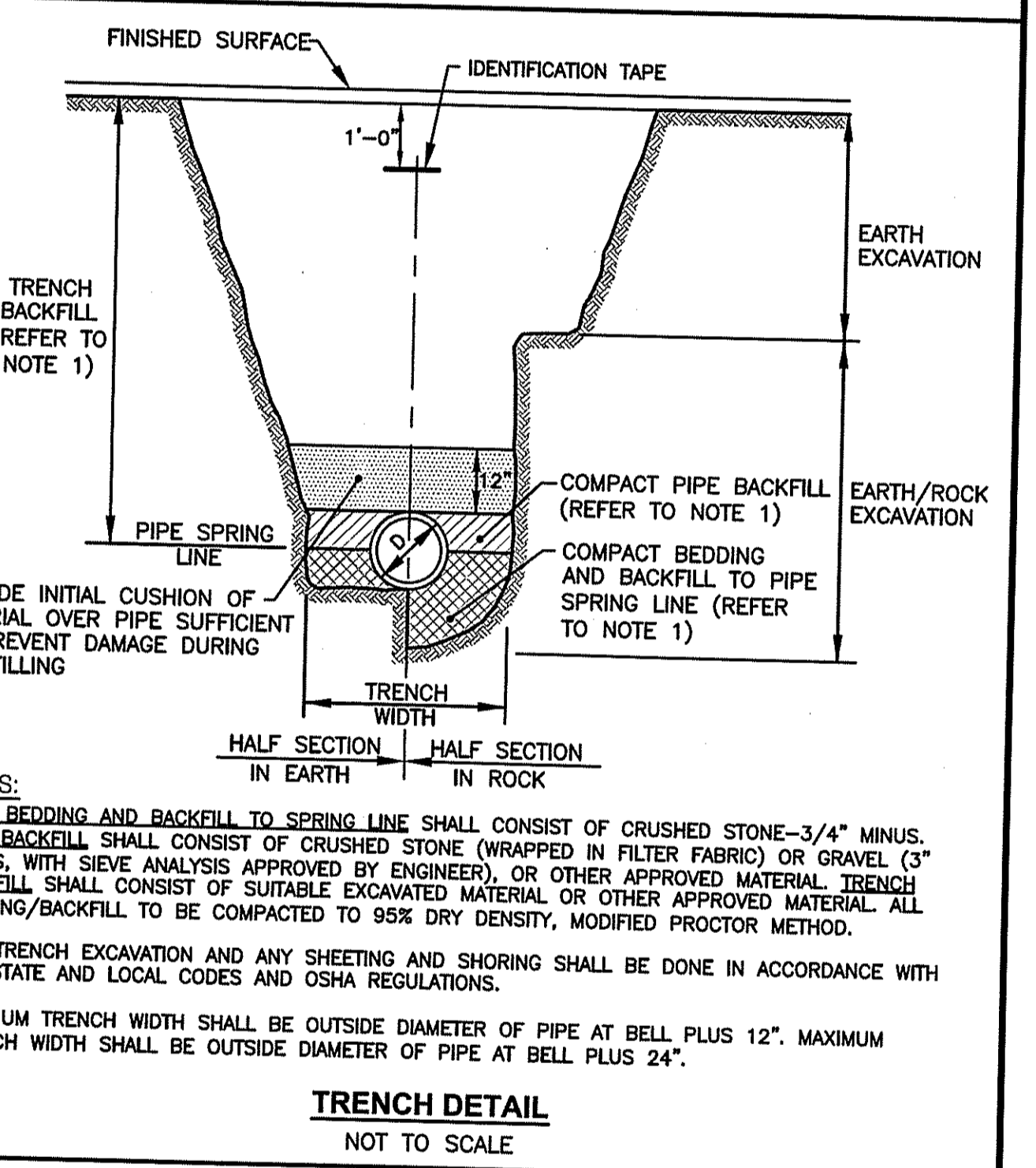
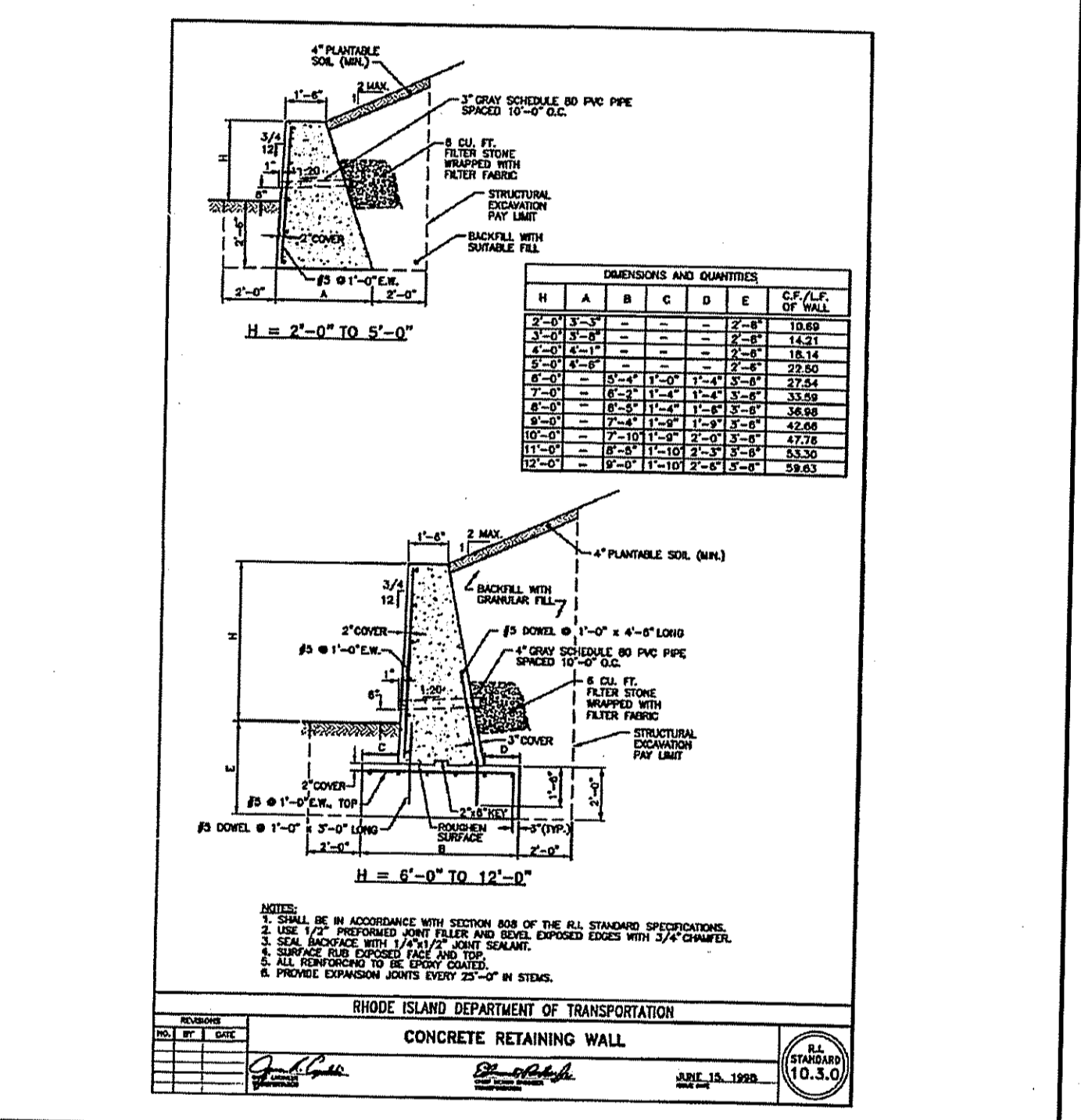
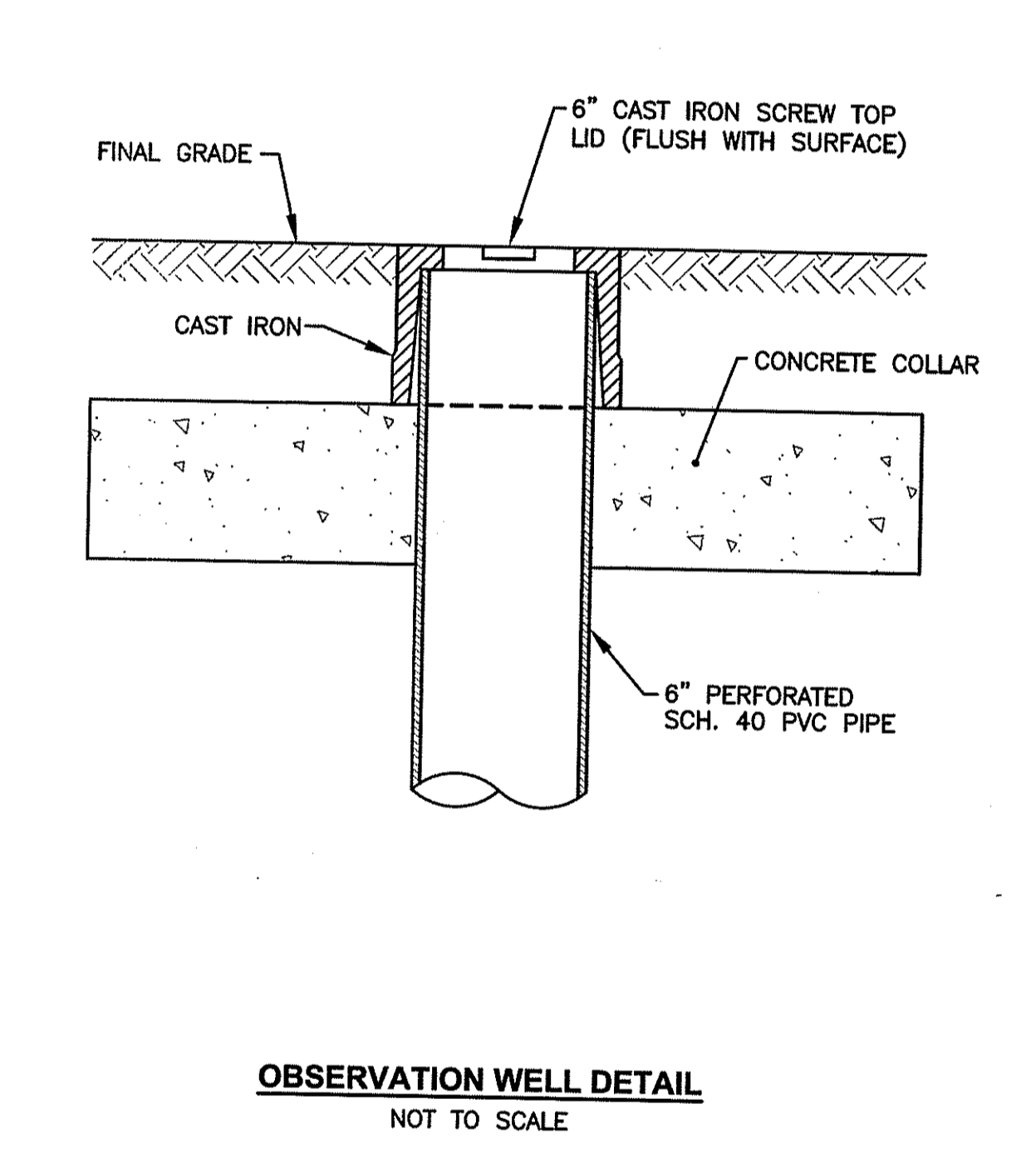
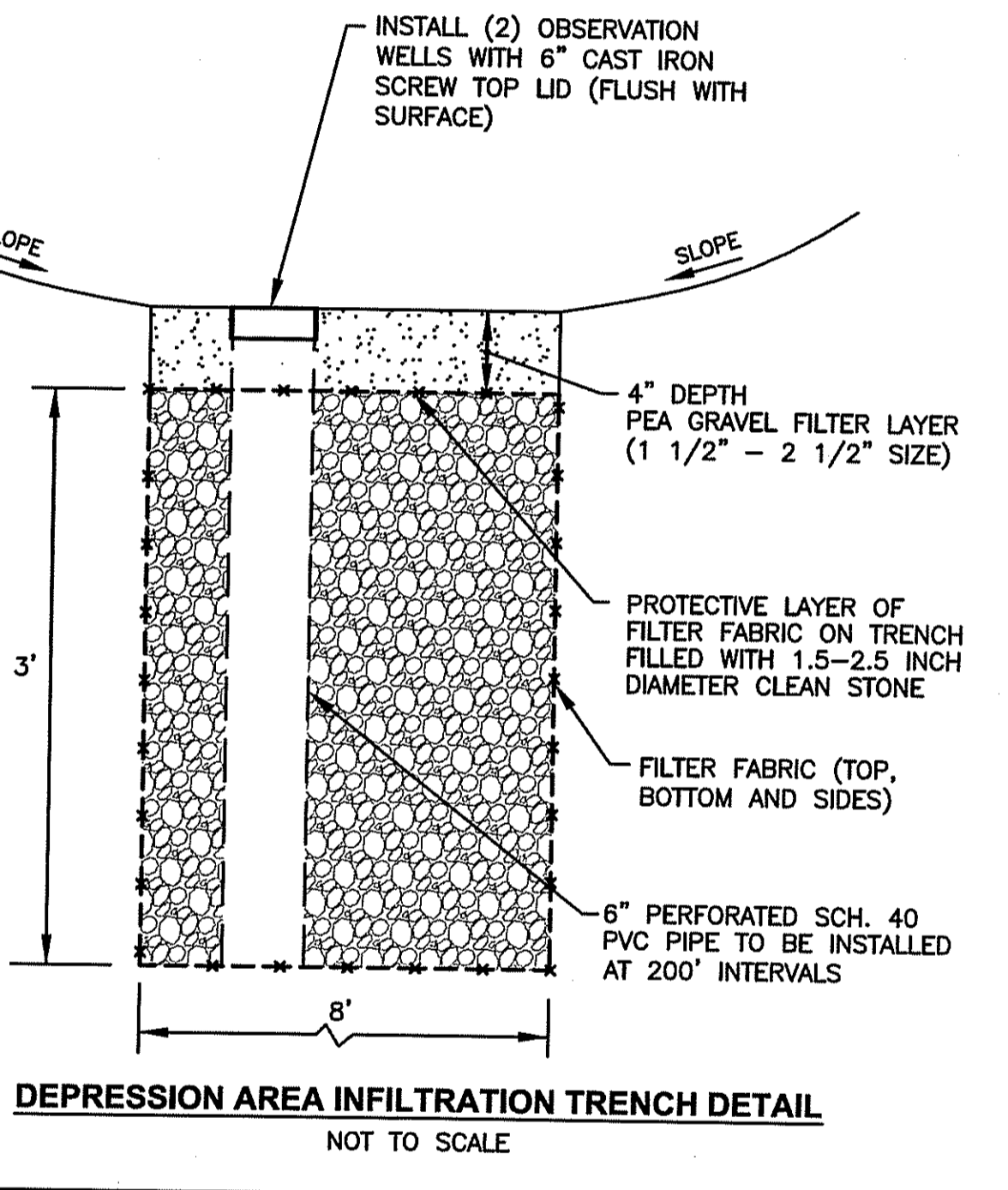
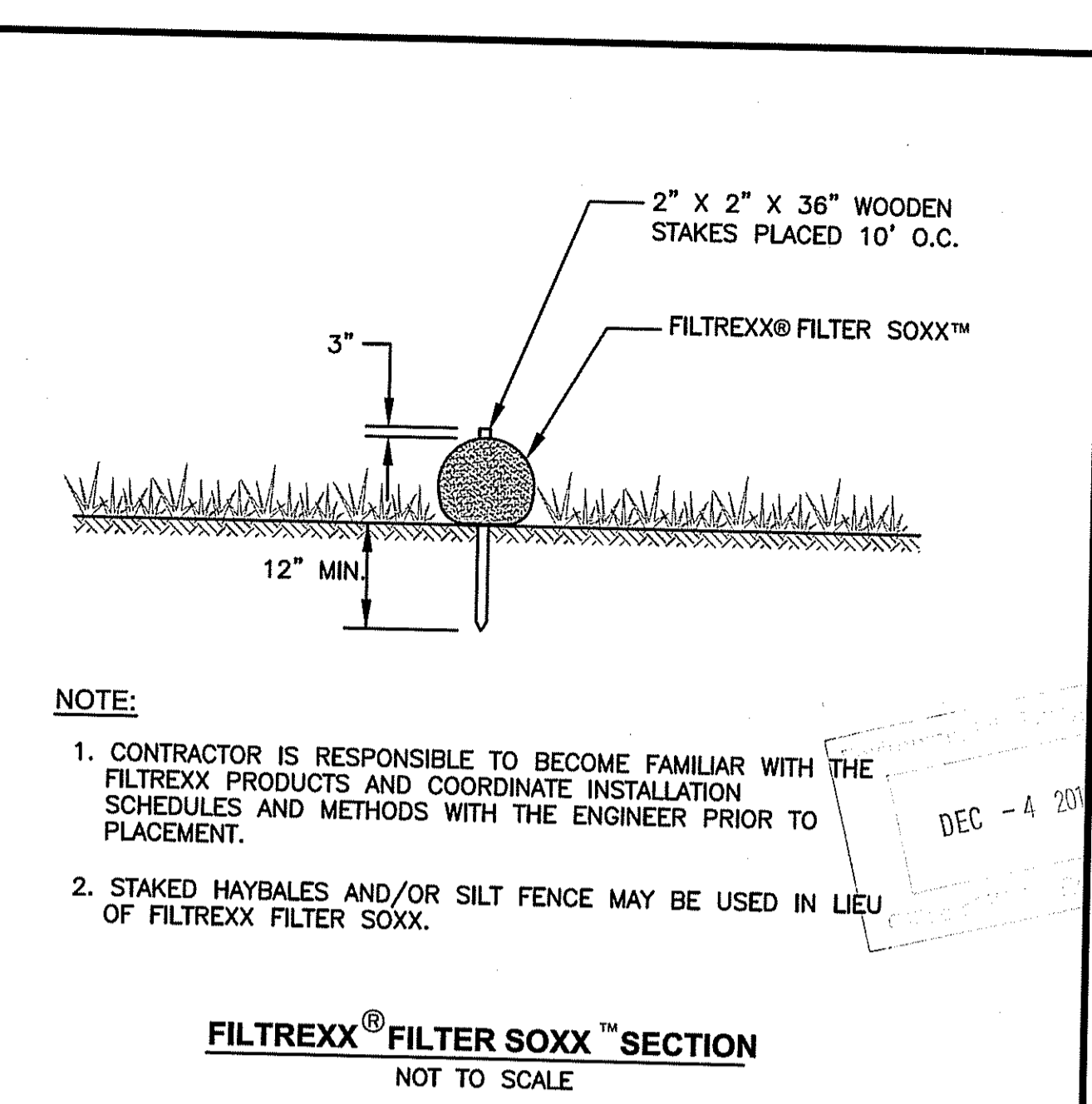
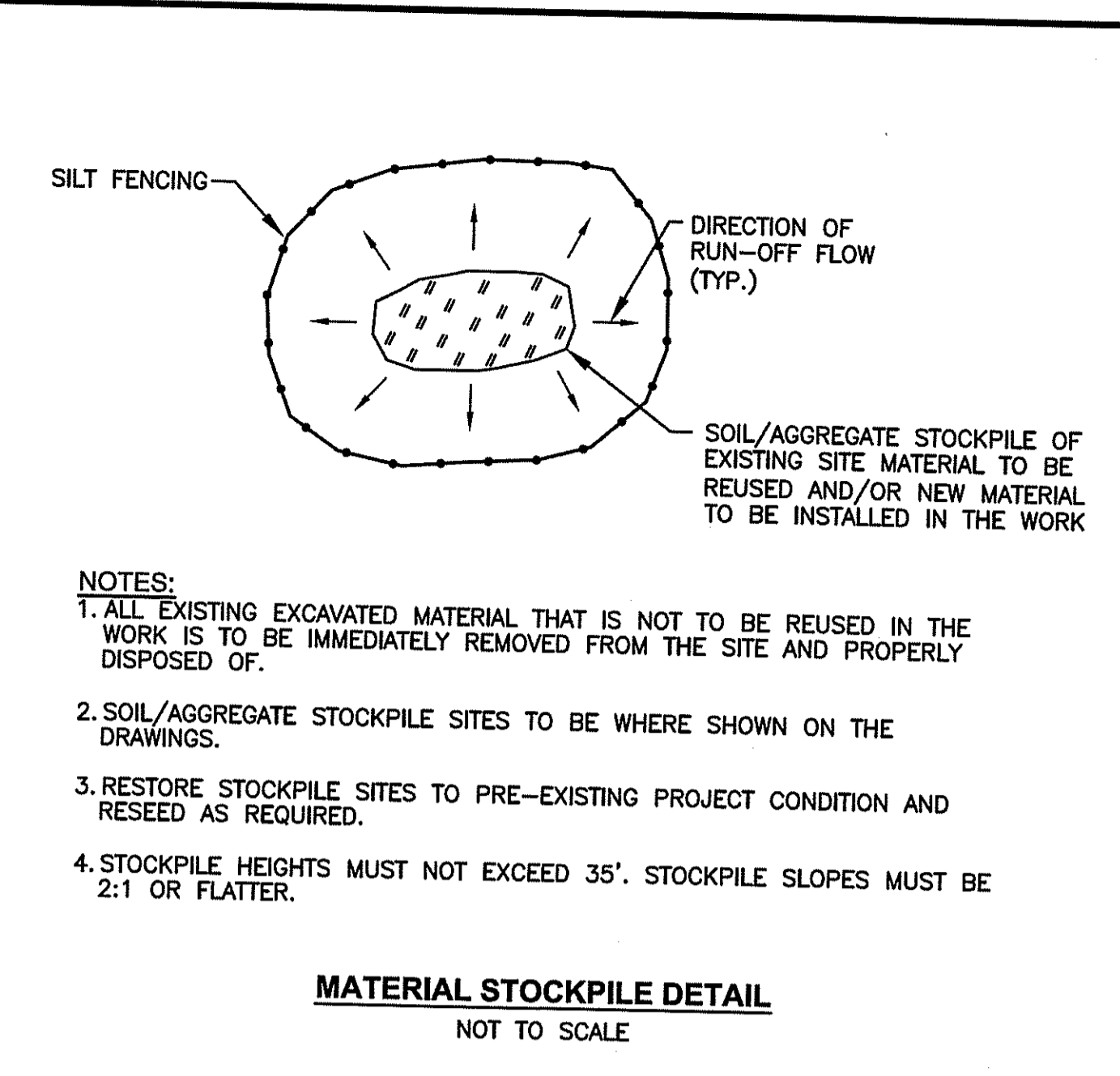
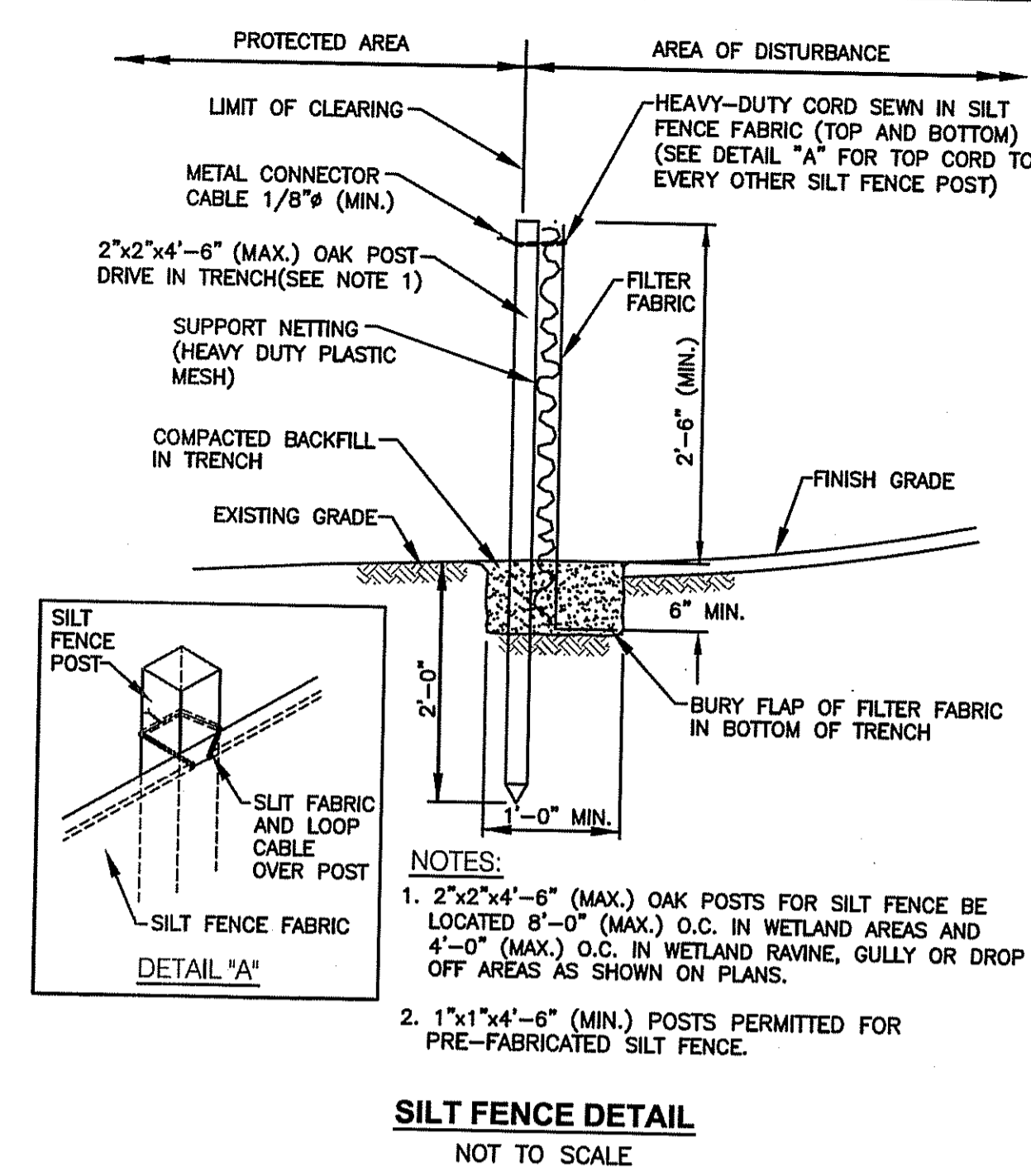
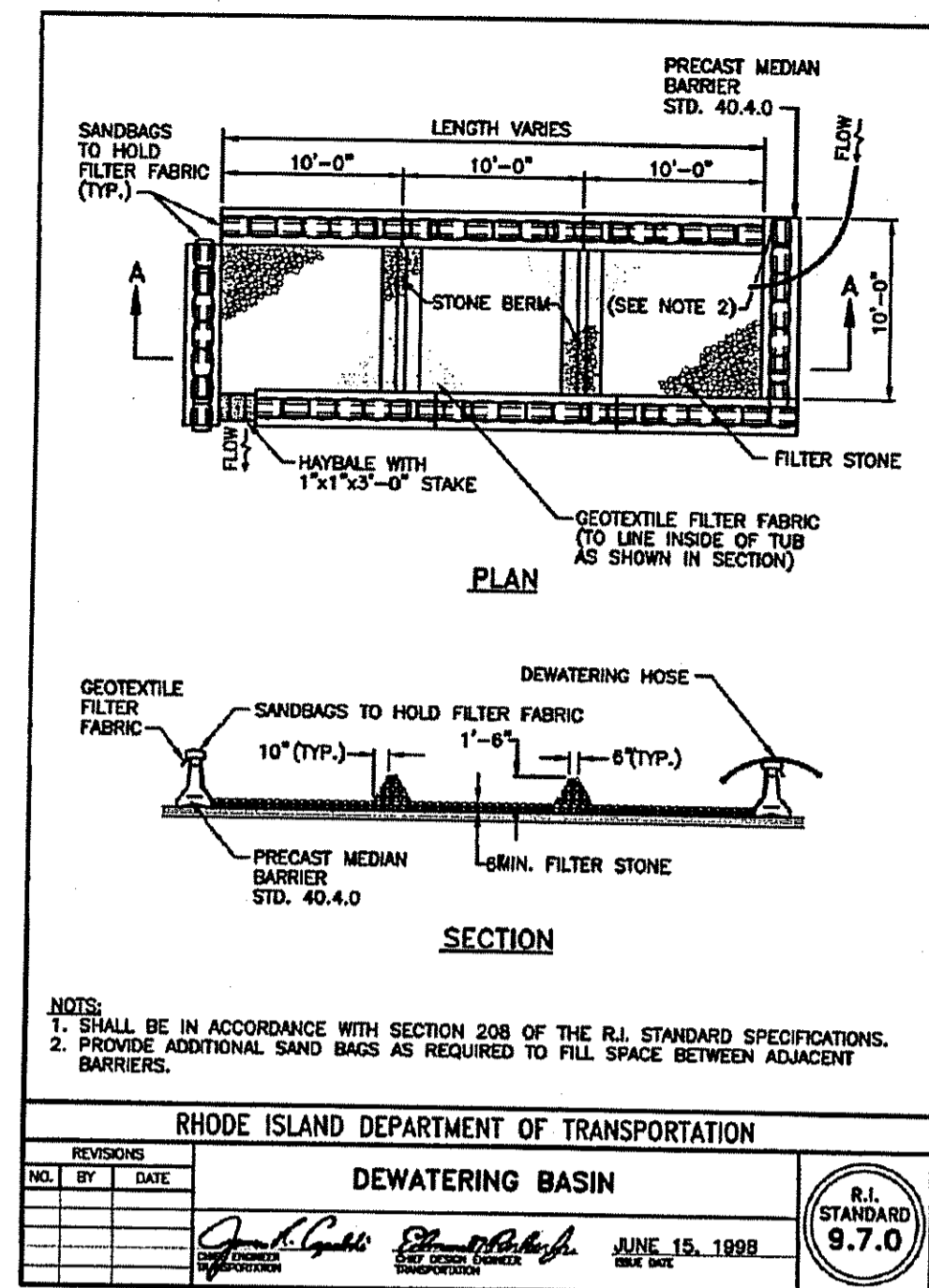
NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12
6	R.I.D.E.M. RESUBMISSION	12/13/12

DRAWING NUMBER

**C11.4**

SHEET: 22 OF 28

AGENCY REVIEW SUBMISSION



**NOTE:**  
THE PAVEMENT DEPTH IN TRENCH AREAS FOR PROPOSED DRAINAGE AND UTILITY CONNECTIONS WITHIN ROADWAY SHALL BE REPLACED IN-KIND. BASE COURSE SHALL BE PLACED IN 2 1/2" MINIMUM LIFT AND 4" MAXIMUM LIFT. THE CONTRACTOR SHALL COORDINATE ALL PAVING OPERATIONS WITHIN THE ROADWAY WITH THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION PRIOR TO PLACEMENT.

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www.watermanengineering.net

**STEVEN M. CABRAL**  
4847  
REGISTERED PROFESSIONAL ENGINEER

**PROPOSED WAREHOUSE EXPANSION**  
PLAT MAP 48, LOT 17B  
ZONING DISTRICT PCD  
PLANNED CORPORATE DISTRICT  
500 GEORGE WASHINGTON HIGHWAY  
SMITHFIELD, RHODE ISLAND

**FGX INTERNATIONAL, INC.**  
500 GEORGE WASHINGTON HIGHWAY  
SMITHFIELD, RHODE ISLAND  
02917

**MISCELLANEOUS DETAIL PLAN No. 5**

**DATE:** AUGUST 2012 **SCALE:** AS SHOWN  
**DWG. NAME:** 1841-C11.5-DETAIL5-R5.dwg

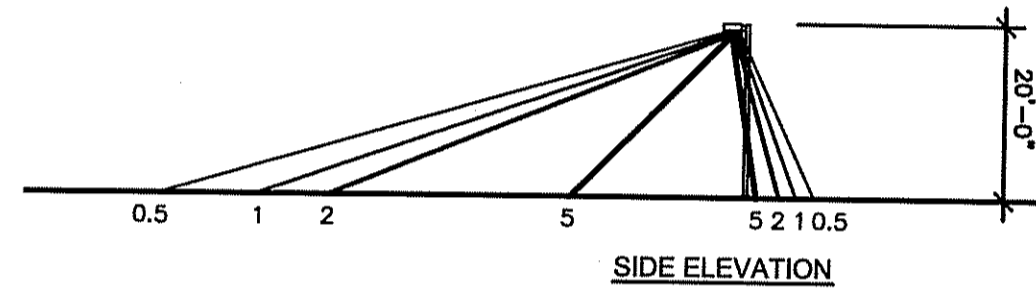
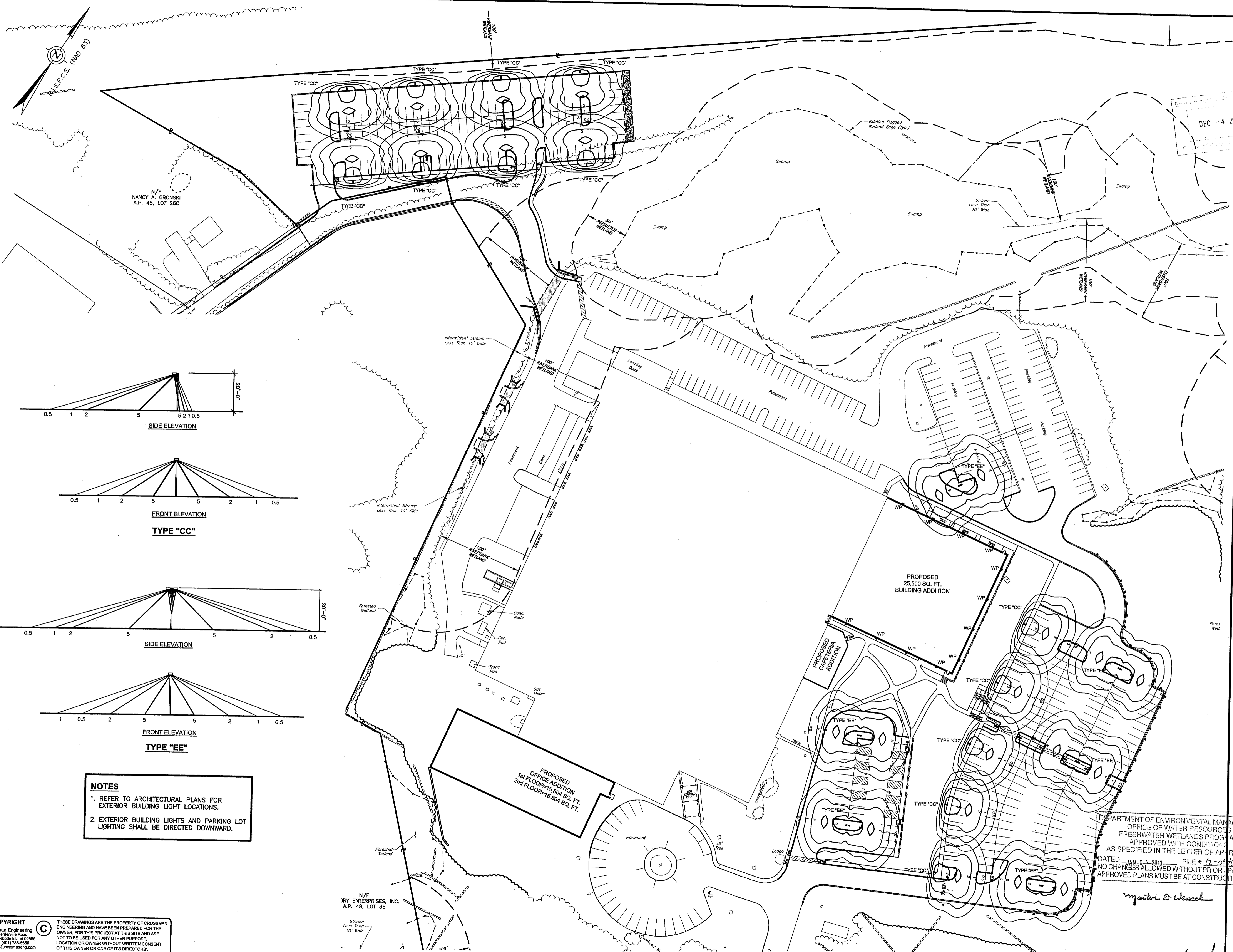
**REVISIONS**

NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12

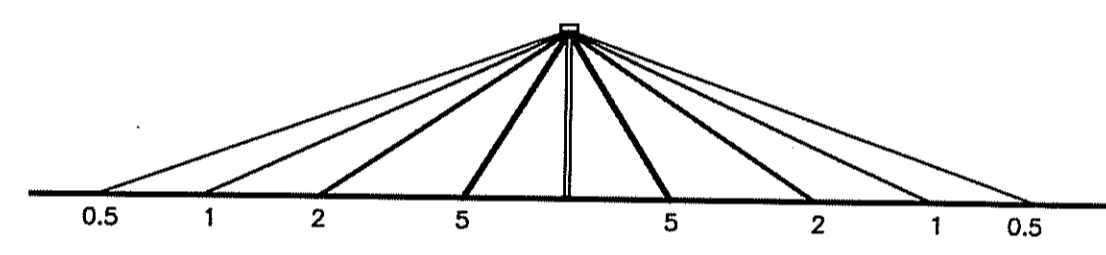
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JAN 04 2013 FILE # 12-0140  
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Martin D. Wencel

**C11.5**  
SHEET: 23 OF 28  
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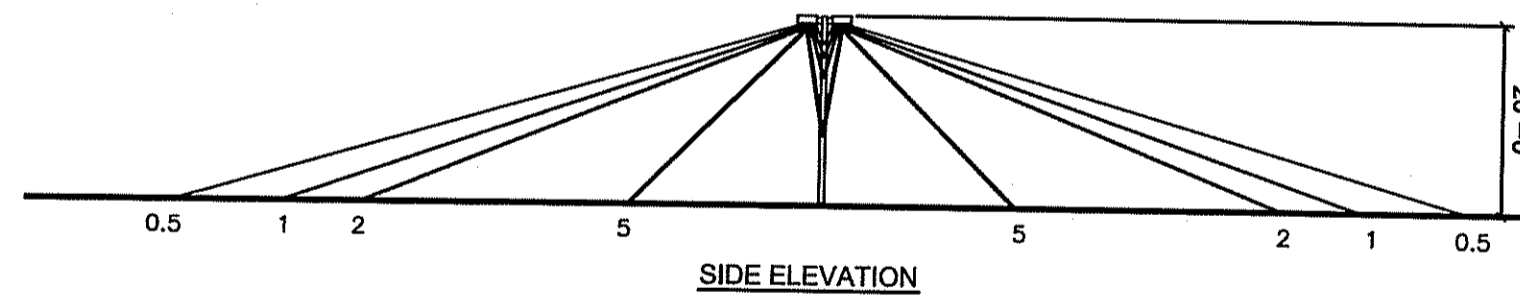


SIDE ELEVATION

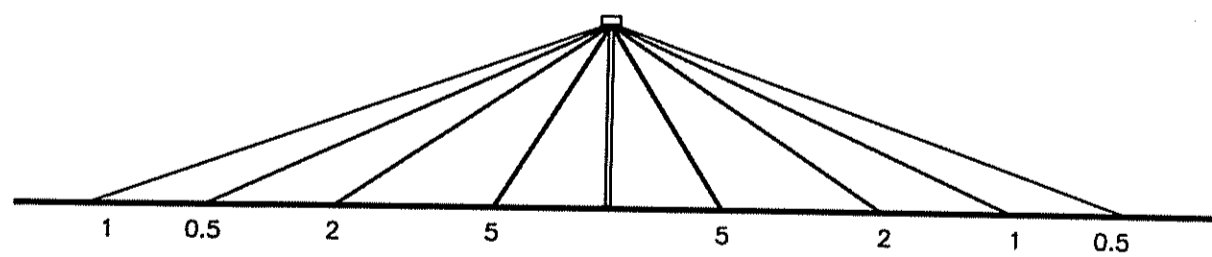


FRONT ELEVATION

TYPE "CC"



SIDE ELEVATION



FRONT ELEVATION

TYPE "EE"

**NOTES**  
 1. REFER TO ARCHITECTURAL PLANS FOR EXTERIOR BUILDING LIGHT LOCATIONS.  
 2. EXTERIOR BUILDING LIGHTS AND PARKING LOT LIGHTING SHALL BE DIRECTED DOWNWARD.

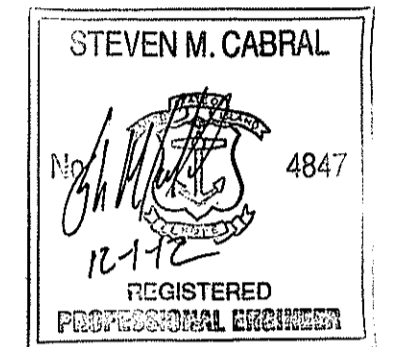
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KEY PLAN



**PROJECT TITLE:**  
**PROPOSED WAREHOUSE EXPANSION**  
 PLAT MAP 48, LOT 17B  
 ZONING DISTRICT PCD  
 PLANNED CORPORATE DISTRICT  
 500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND

**OWNER:**  
**FGX INTERNATIONAL, INC.**  
 500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND  
 02917

**DRAWING TITLE:**  
**SITE LIGHTING PLAN**

**DATE:** AUGUST 2012      **SCALE:** 1"=50'  
**DFG. NAME:** 1841-E01-LIGHT-R5.dwg

**REVISIONS**

NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
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 DATED JAN 04 2013 FILE # 12-010  
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**DRAWING NUMBER**  
**E1**  
 SHEET: 24 OF 28  
**AGENCY REVIEW SUBMISSION**



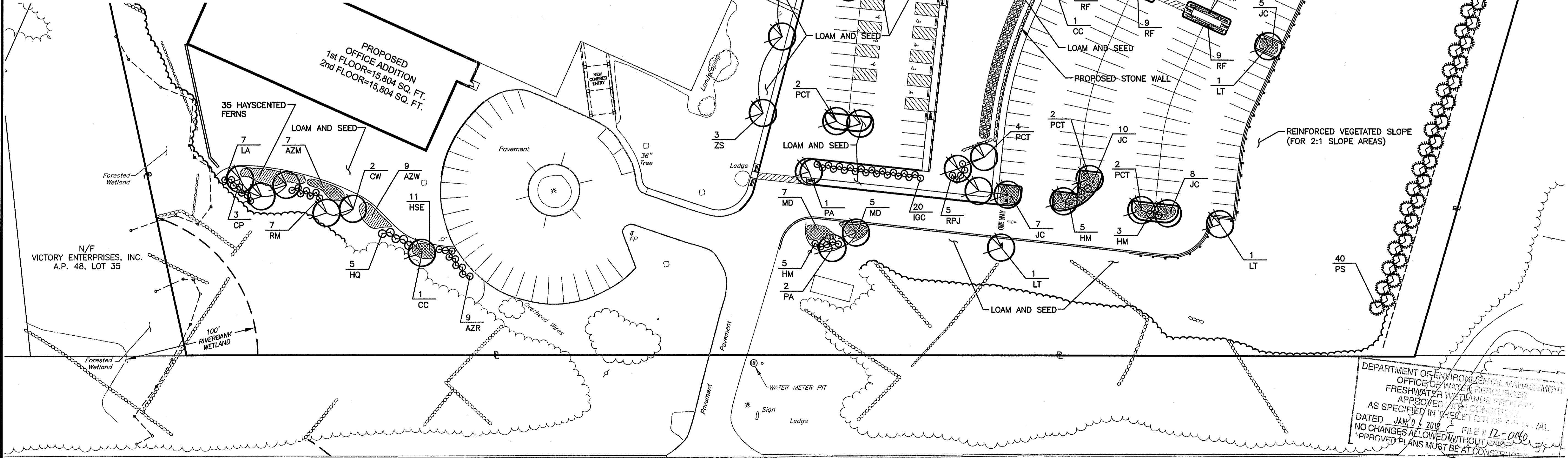
PLANTING SCHEDULE

TREES				
Key	Quantity	Botanical Name Common Name	Size	Remarks
AR	10	Acer rubrum 'October Glory' October Glory Red Maple	2-2 1/2" cal.	B&B
CC	4	Cercis canadensis Eastern Redbud	7-8' cal.	B&B
CP	3	Cornus x rugosa Stellar Pink Hybrid Dogwood	7-8'	B&B
CW	2	Cornus x rufida Celestial White Hybrid Dogwood	1 1/2-2" cal.	B&B
IO	5	Ilex opaca American Holly	6-8'	B&B
LT	12	Liriodendron tulipifera Tulip Tree	2-2 1/2" cal.	B&B
MS	4	Magnolia stellata Star Magnolia	7-8'	B&B
PA	5	Platanus acerifolia London Plane Tree	2-2 1/2" cal.	B&B
PCT	18	Prunus subhirtella 'Autumnalis' Autumn Flowering Cherry	2-2 1/2" cal.	B&B
PF	3	Picea pungens Colorado Spruce	6-8'	B&B
PS	53	Pinus strobus White Pine	6-8'	B&B
QP	10	Quercus palustris Pin Oak	2-2 1/2" cal.	B&B
ZS	8	Zelkova serrata 'Village Green' Japanese Zelkova		

GROUNDCOVERS				
Key	Quantity	Botanical Name Common Name	Size	Remarks
JC	58	Juniperus chin. 'Procumbens Nana' Dwarf Japanese Garden Juniper	2 gallon	Cont.
HSD	54	Hemerocallis Stella D'oro Yellow Blooming Daylily	1 gallon	Cont.
HSE	11	Hosta sieboldiana elegans Hosta	2 gallon	Cont.
MD	29	Microbiota densicata Russian Cypress	2 gallon	Cont.
RF	46	Rosa 'Flower Carpet' Flower Carpet Rose	1 gallon	Cont.
	35	Hayscented Fern	1 gallon	Cont.

- NOTES
1. DAFFODILS - CONTRACTOR TO SELECT NATURALIZING VARIETY SPACED APPROXIMATELY 6" O.C. WHERE SHOWN. VARIETY, QUANTITY AND SUPPLIER TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
  2. INSTALL STONE WALL USING STOCKPILED STONES FROM EXISTING WALLS REMOVED FOR CONSTRUCTION. LENGTH OF WALL MAY VARY DEPENDING ON USE OF STONES IN OTHER LOCATIONS. OWNER MAY MODIFY PROPOSED WALL LOCATIONS AND ANY MODIFICATIONS WILL BE COORDINATED WITH THE TOWN PLANNER.

SHRUBS				
Key	Quantity	Botanical Name Common Name	Size	Remarks
AP	1	Acer palmatum 'dissectum Crimson Queen' Threadleaf Japanese Maple	2 1/2-3'	B&B
AZ	8	Azalea 'Hino Crimson' Red Evergreen Azalea	18-24"	B&B
AZM	7	Azalea 'Mother's Day' Dwarf Pink Azalea	18-24"	B&B
AZR	9	Azalea 'Rose bud' Light Pink Azalea	18-24"	B&B
AZW	9	Azalea 'Gumpo White' White Azalea	18-24"	B&B
BD	1	Buddleia davidii 'Black Knight' Purple Butterfly Bush	3 gallon	Cont.
CA	35	Clethra alnifolia Summer sweet	2 gallon	Cont.
HM	29	Hydrangea macrophylla 'Nikko Blue' Nikko Blue Hydrangea	24-30"	B&B
HP	1	Hydrangea paniculata 'Compacta' Compact Pan Gee Hydrangea	5 Gallon	Cont.
HQ	5	Hydrangea quercifolia Oakleaf Hydrangea	5 gallon	Cont.
HS	1	Hibiscus syriacus 'Minerva' Lavender Red Rose of Sharon	3-4'	B&B
ICC	5	Ilex crenata 'Compacta' Compact Japanese Holly	7 Gallon	Cont.
IGC	31	Ilex glabra 'Compacta' Compact Inkberry	18-24"	B&B
IGS	7	Ilex glabra 'Shamrock' Dwarf Inkberry	18-24"	B&B
IVF	41	Ilex verticillata 'Sparkberry' - Female Female Winterberry	5 Gallon	Cont.
IYM	5	Ilex verticillata 'Sparkberry' - Male Male Winterberry	2 Gallon	Cont.
JBP	36	Juniperus conferta 'Blue Pacific' Blue Pacific Shore Juniper	2 Gallon	Cont.
LA	7	Leucothoe axillaris Coast Leucothoe	18-24"	B&B
RM	7	Rhododendron mucronulatum Lavender deciduous Azalea	5 Gallon	Cont.
RPJ	19	Rhododendron PJM PJM Rhododendron	24-30"	B&B
SD	5	Salix discolor Pussy Willow	2 Gallon	Cont.
TD	60	Taxus media x densiformis Dense Spreading Yew	18-24"	B&B
VD	13	Viburnum dentatum Arrowwood Viburnum	2-3'	Cont.
VPT	5	Viburnum plicatum tom. 'Shasta' Shasta	2 1/2-3'	Cont.



2 Story Concrete Industrial/Commercial Building No. 500  
F.F. = 393.97  
(2nd Floor = 406.11)  
A.P. 48, LOT 17B

GEORGE WASHINGTON HIGHWAY (ROUTE 116)

GRAPHIC SCALE  
1 inch = 40 ft.

GEORGE WASHINGTON HIGHWAY (ROUTE 116)  
(PUBLIC - 200' WIDTH)

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JAN 04 2012 FILE # 12-040  
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KEY PLAN

STEVEN M. CABRAL  
4847  
REGISTERED PROFESSIONAL ENGINEER

PROJECT TITLE:  
**PROPOSED WAREHOUSE EXPANSION**  
PLAT MAP 48, LOT 17B  
ZONING DISTRICT PCD  
PLANNED CORPORATE DISTRICT  
500 GEORGE WASHINGTON HIGHWAY  
SMITHFIELD, RHODE ISLAND

OWNER:  
**FGX INTERNATIONAL, INC.**  
500 GEORGE WASHINGTON HIGHWAY  
SMITHFIELD, RHODE ISLAND  
02917

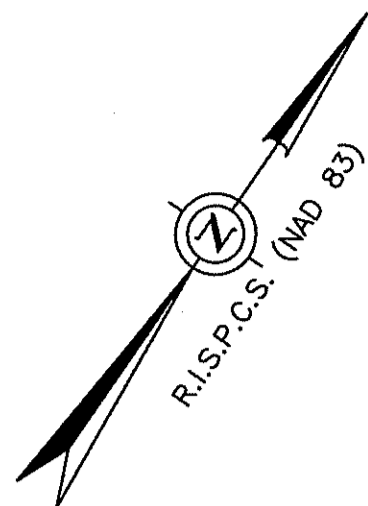
DRAWING TITLE:  
**LANDSCAPE PLAN No. 1**

DATE: AUGUST 2012 SCALE: 1"=40'  
DWG. NAME: 1841-L01-LAND-R5.dwg

REVISIONS

NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12

DRAWING NUMBER  
**L1**  
SHEET: 26 OF 28  
AGENCY REVIEW SUBMISSION



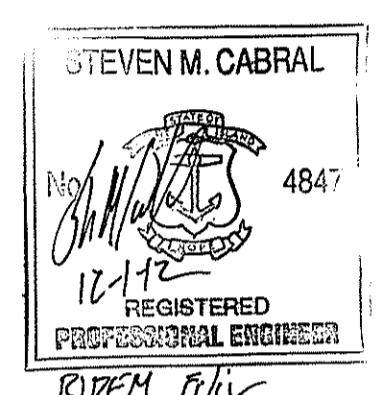
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DEC - 4 2012  
 C. CROSSMAN ENGINEERING

KEY PLAN



**PROJECT TITLE:**  
**PROPOSED WAREHOUSE EXPANSION**  
 PLAT MAP 48, LOT 17B  
 ZONING DISTRICT PCD  
 PLANNED CORPORATE DISTRICT  
 500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND

**OWNER:**  
**FGX INTERNATIONAL, INC.**  
 500 GEORGE WASHINGTON HIGHWAY  
 SMITHFIELD, RHODE ISLAND  
 02917

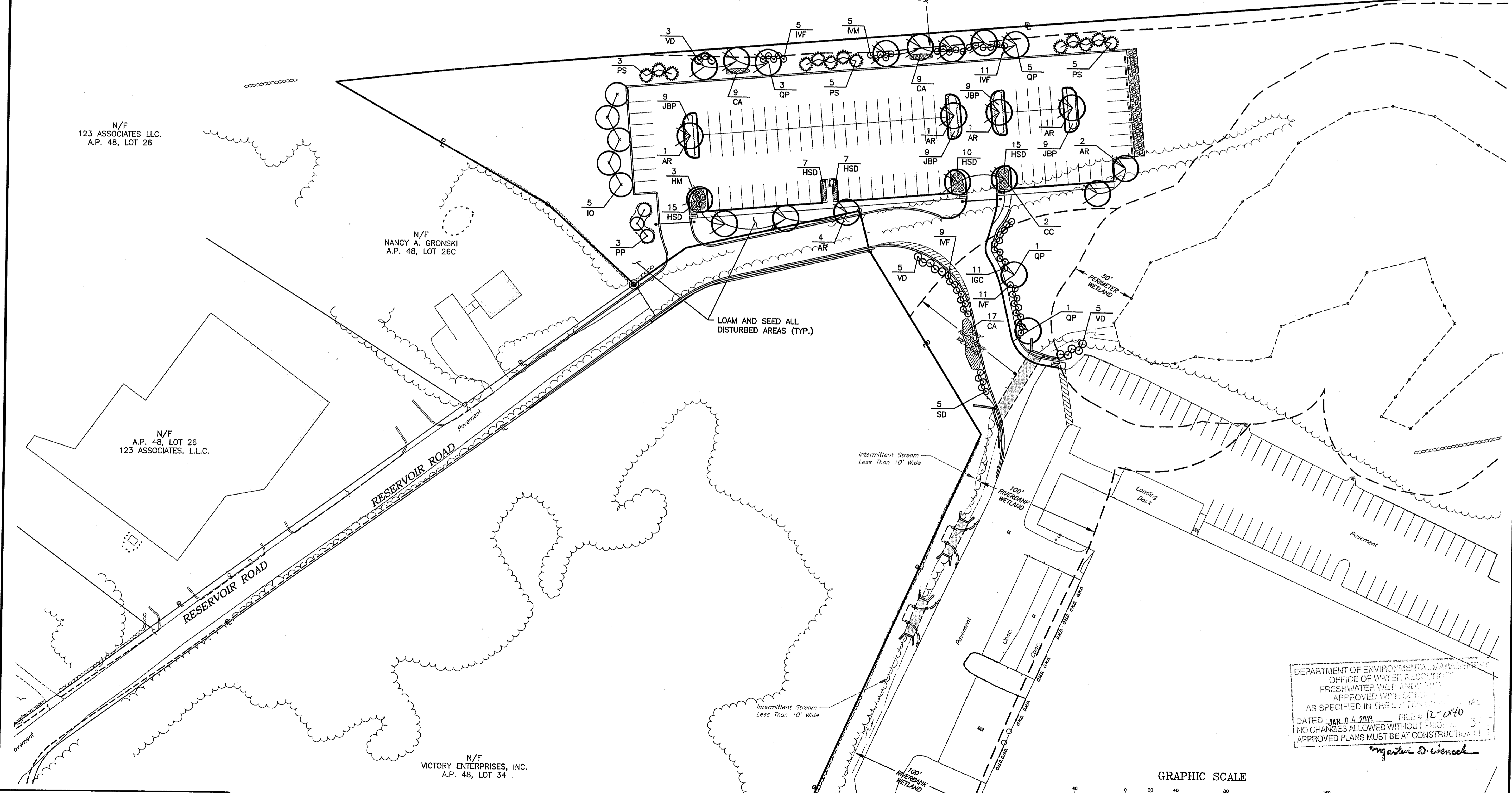
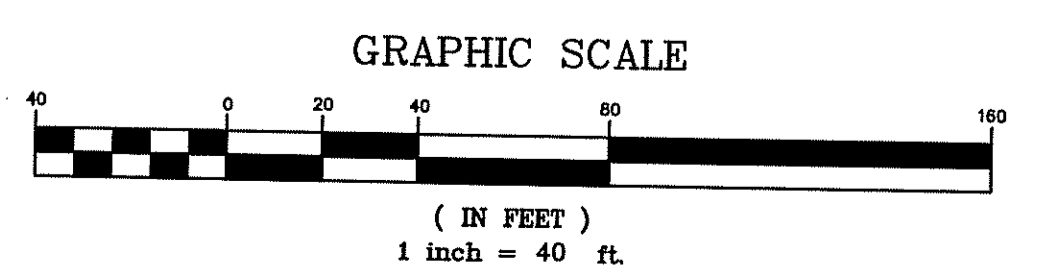
**DRAWING TITLE:**  
**LANDSCAPE PLAN No. 2**

**DATE:** AUGUST 2012    **SCALE:** 1"=40'  
**DWG. NAME:** 1841-L01-LAND-R5.dwg

**REVISIONS**

NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PERMIT  
 APPROVED WITH CONDITIONS  
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 DATED JAN 04 2013    FILE # 12-040  
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 APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
 Matthew D. Wenzel



N/F  
 123 ASSOCIATES LLC.  
 A.P. 48, LOT 26

N/F  
 NANCY A. GRONSKI  
 A.P. 48, LOT 26C

N/F  
 A.P. 48, LOT 26  
 123 ASSOCIATES, L.L.C.

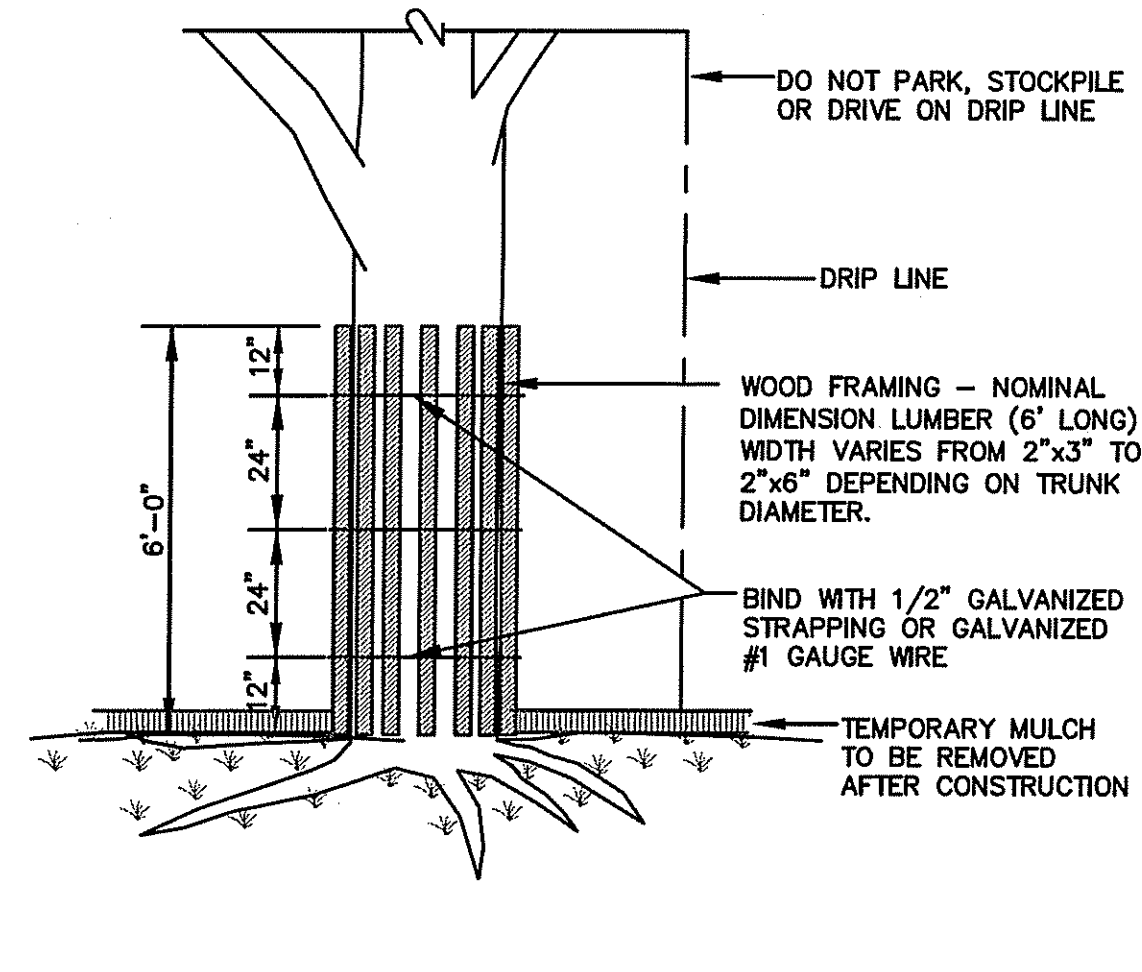
N/F  
 VICTORY ENTERPRISES, INC.  
 A.P. 48, LOT 34

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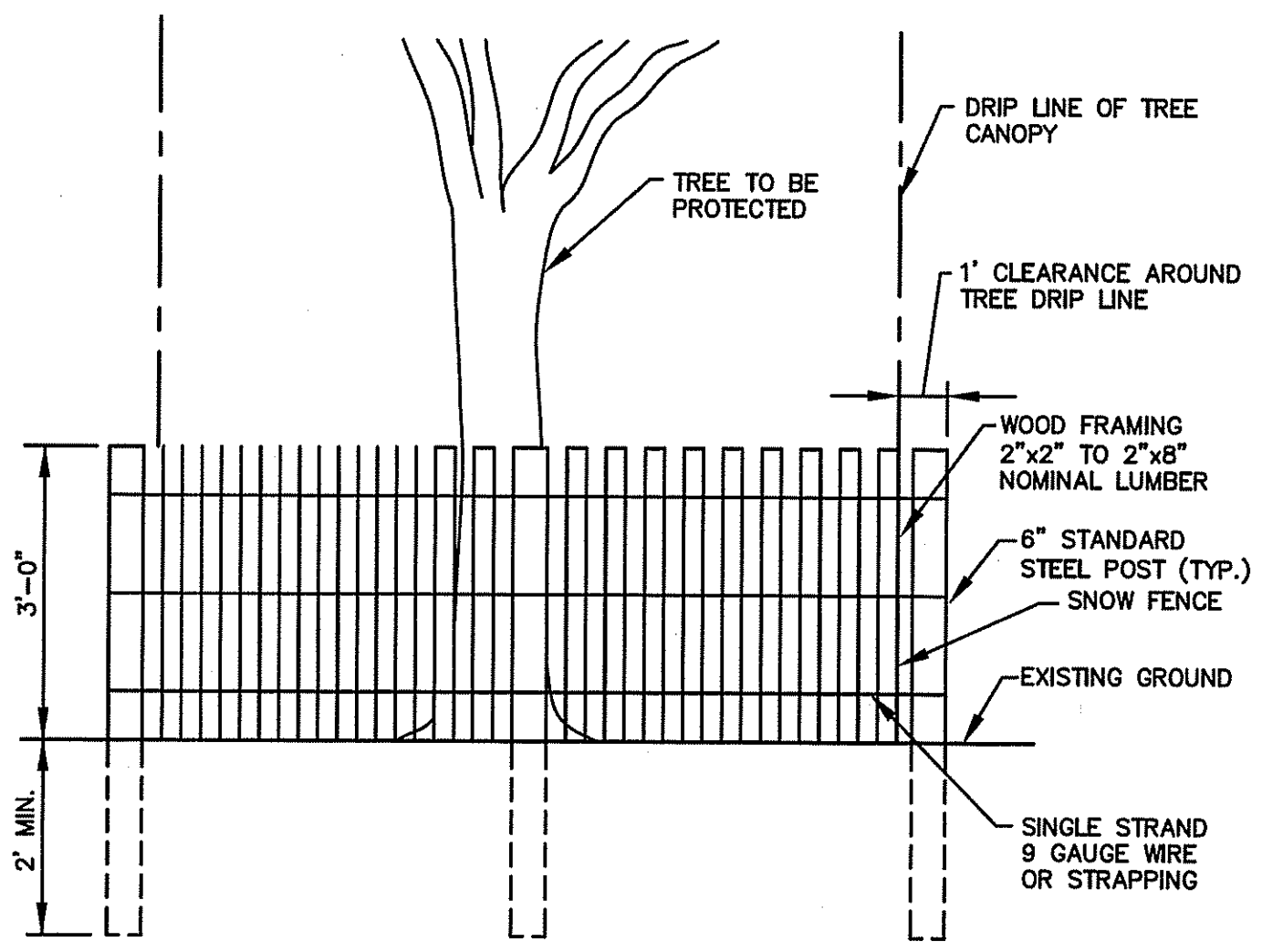
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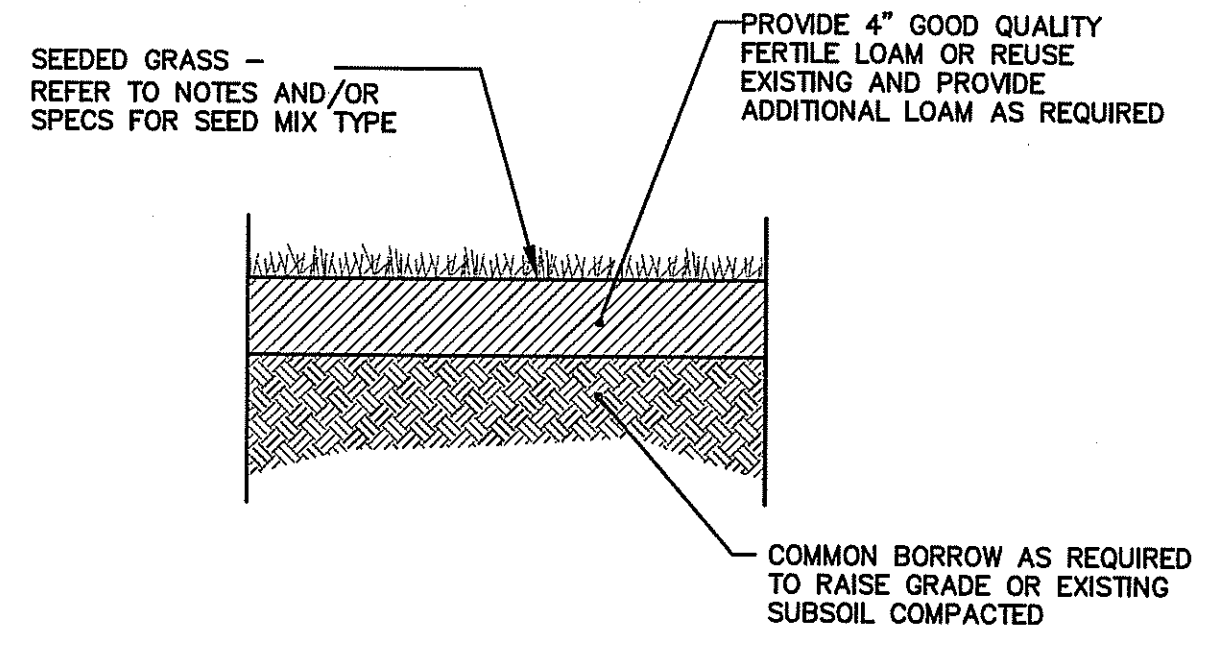
**DRAWING NUMBER**  
**L2**  
 SHEET: 27 OF 28



**TREE TRUNK PROTECTION DEVICE DETAIL**  
NOT TO SCALE

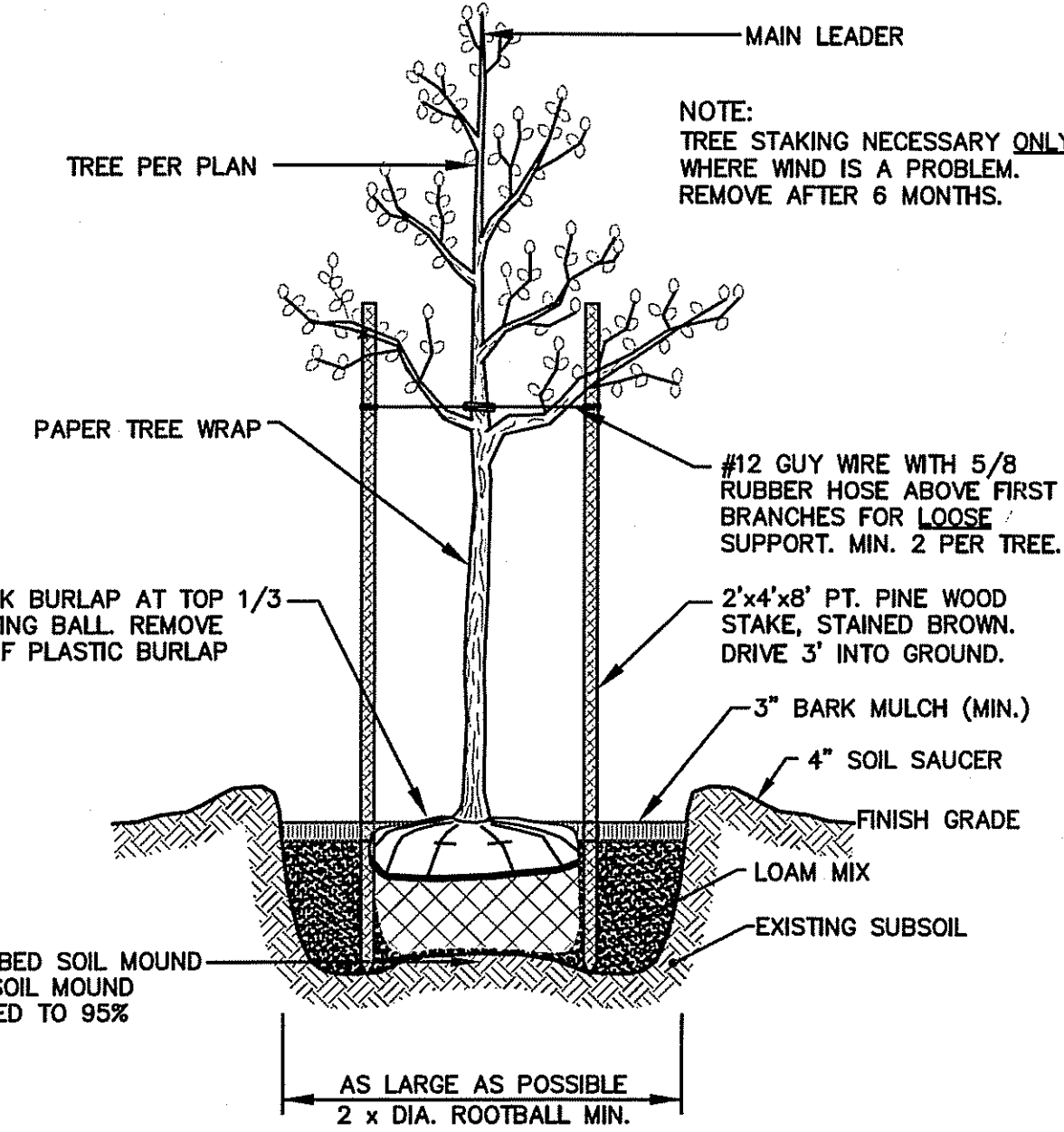


**DRIPLINE TREE PROTECTION DETAIL**  
NOT TO SCALE

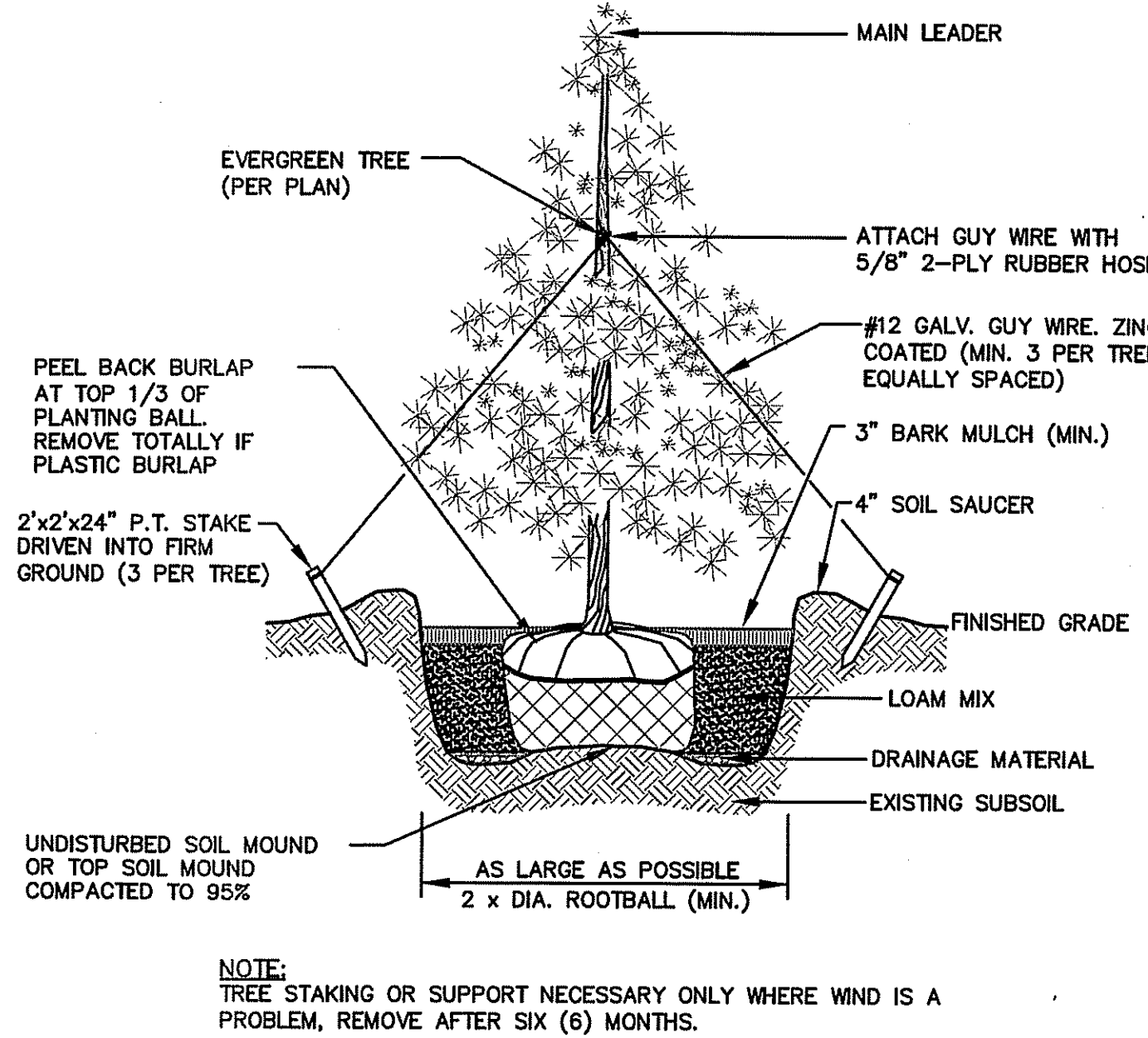


**NOTE:**  
THE CONTRACTOR WILL BE RESPONSIBLE FOR WATERING LAWN DURING THE COURSE OF THE GROWING SEASON FOR A PERIOD OF ONE (1) YEAR.

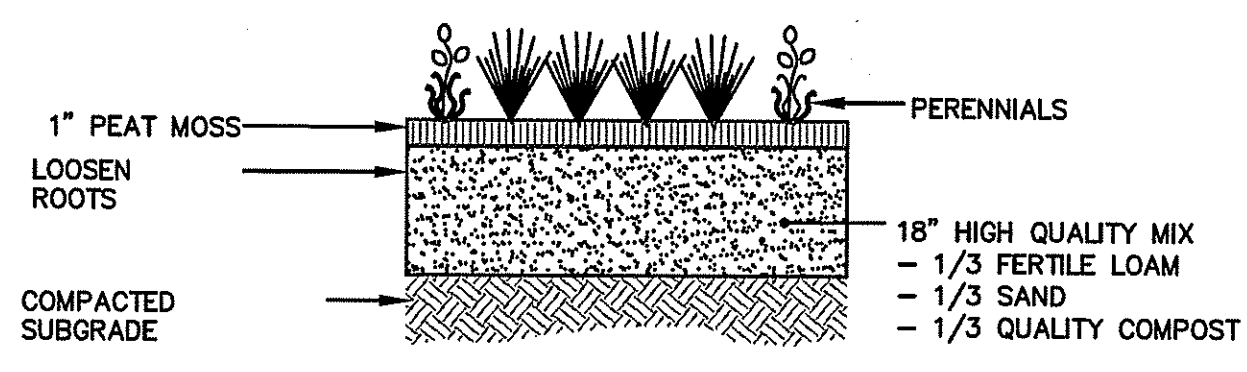
**LOAM-SEED DETAIL**  
NOT TO SCALE



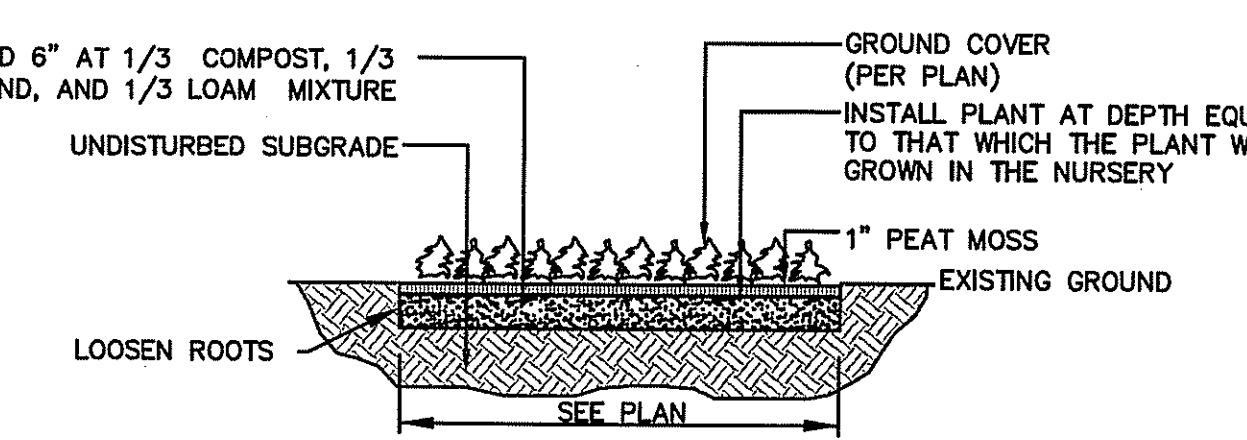
**DECIDUOUS TREE PLANTING DETAIL**  
NOT TO SCALE



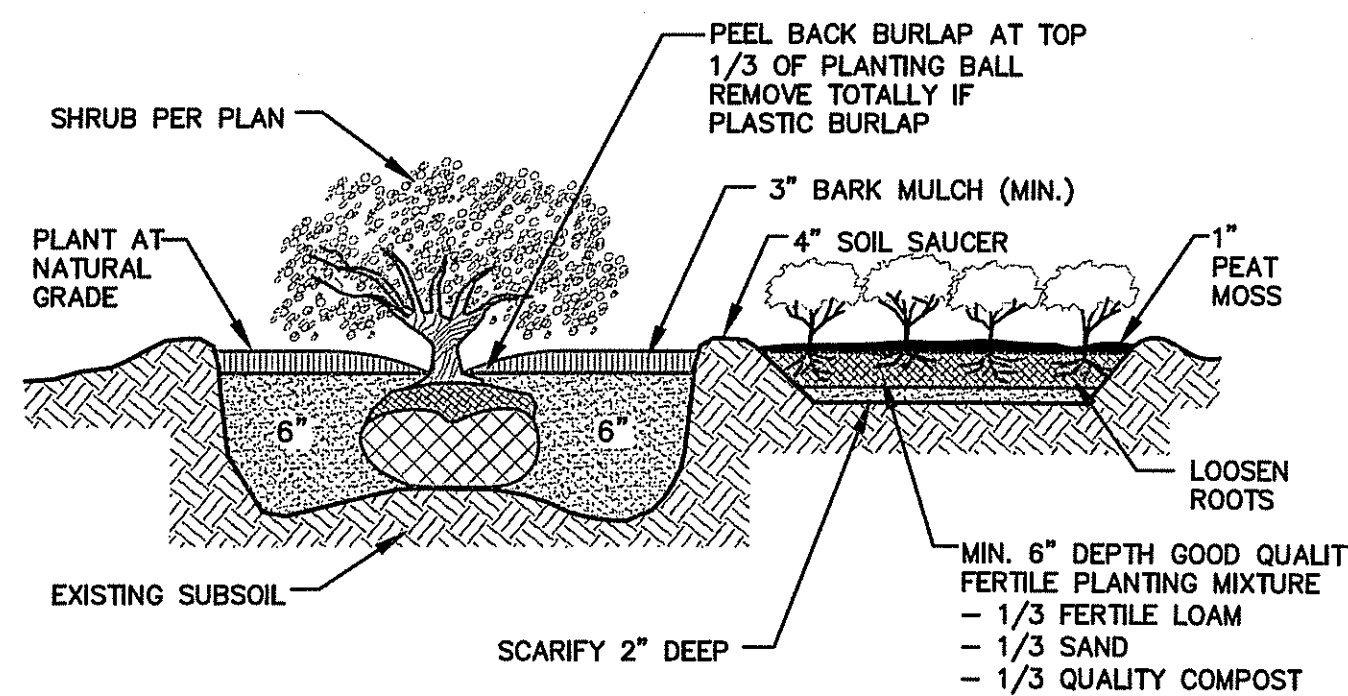
**EVERGREEN TREE PLANTING DETAIL**  
NOT TO SCALE



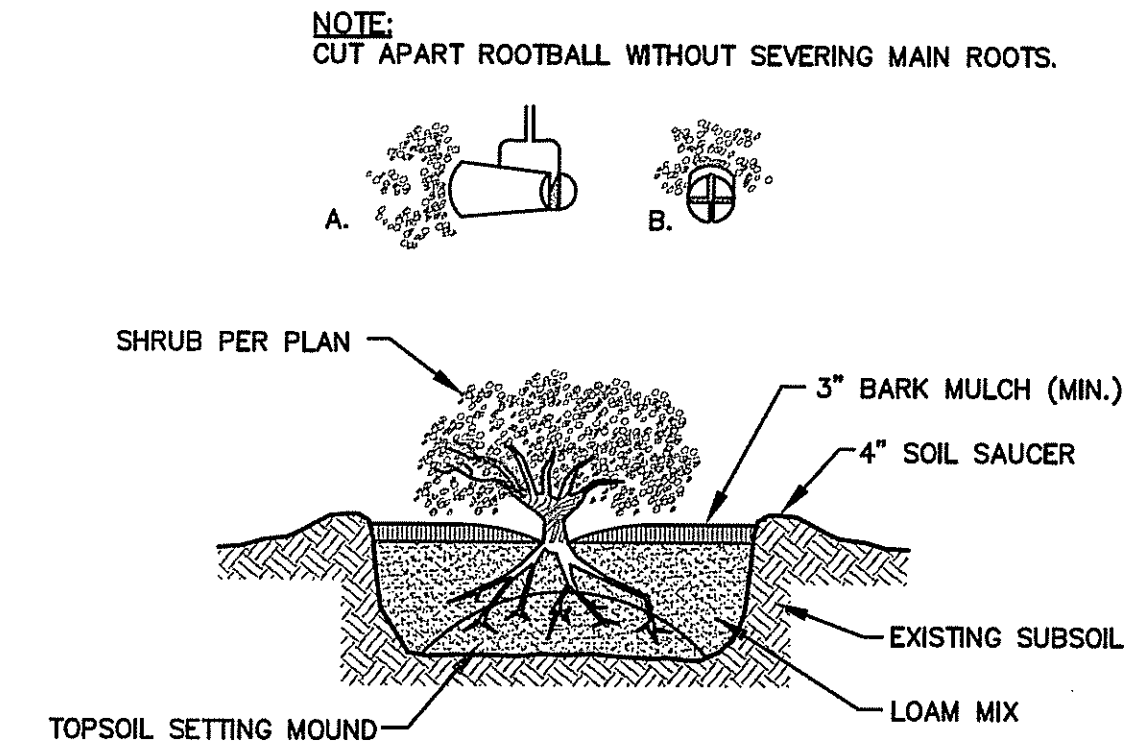
**PERENNIAL DETAIL**  
NOT TO SCALE



**PERENNIAL and GROUNDCOVER PLANTING DETAIL**  
NOT TO SCALE



**SHRUB and GROUNDCOVER PLANTING DETAIL**  
NOT TO SCALE



**CONTAINER GROWN PLANTING DETAIL**  
NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JAN 04 2013 FILE # 12-046  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Signature*

**SEEDING NOTES**

- LOAM SHALL BE SPREAD TO A MINIMUM DEPTH OF 4" OVER ALL AREAS DESIGNATED ON PLANS.
- SHAPE AND SMOOTH THE SURFACE TO THE LINES AND GRADES AS SHOWN ON PLANS.
- FERTILIZE WITH 10-10-10 OR EQUIVALENT ANALYSIS. AT LEAST 40% OF THE FERTILIZER NITROGEN SHALL BE IN A SLOW RELEASE FORM. INCORPORATE THE FERTILIZER INTO THE TOP 3 TO 4 INCHES OF THE PLANTING SOIL. APPLY AT THE RATE OF 8 POUNDS PER 1,000 SQUARE FEET AT SEEDING.
- LOAM: SPREAD EVENLY AND WORK INTO THE SOIL DURING PREPARATION OF SEED BED AT THE RATE OF ONE TON PER ACRE. INCORPORATE INTO THE SOIL BY DICING OR OTHER APPROVED METHOD. DISTRIBUTE LIME UNIFORMLY AND WORK INTO TOP 4 INCHES OF TOP SOIL (MINIMUM) AND UNIFORMLY BLENDED BY DICING OR ROTOTILLING.
- APPLICATION OF SEED:  
A. RATE OF APPLICATION OF SEED SHALL BE 8 POUNDS PER 1,000 SQUARE FEET OR AS INDICATED ON PLANS.  
B. SEEDING SHALL BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS, AND ONLY DURING THE FOLLOWING DATES:  
SPRING SEEDING: APRIL 15 TO JUNE 31  
FALL SEEDING: AUGUST 15 TO OCTOBER 15
- THE CONTRACTOR SHALL KEEP ALL SEEDING AREAS WATERED AND IN GOOD CONDITION, RESEEDING IF AND WHEN NECESSARY FOR AN 8 WEEK PERIOD OR UNTIL A GOOD, HEALTHY, UNIFORM GROWTH IS ESTABLISHED OVER THE ENTIRE AREA. THE CONTRACTOR SHALL ALSO MAINTAIN THESE AREAS IN AN APPROVED CONDITION UNTIL PROVISIONAL ACCEPTANCE.
- DURING THIS PERIOD, WATER TURF AS NECESSARY TO MAINTAIN AN ADEQUATE SUPPLY OF MOISTURE WITHIN THE ROOT ZONE. AN ADEQUATE SUPPLY OF MOISTURE IS EQUIVALENT OF ONE INCH OF ABSORBED WATER PER WEEK THAT IS DELIVERED AT WEEKLY INTERVALS IN THE FORM OF NATURAL RAIN OR IS AUGMENTED AS REQUIRED BY PERIODIC WATERING.
- CONTRACTOR SHALL OVERSEED WHEN NECESSARY TO PROMOTE GRASS GROWTH.
- CONTRACTOR SHALL REPLANT AREAS VOID OF TURF ONE SQUARE FOOT OR LARGER.
- SEED:  
a. SEED ALL AREAS DESIGNATED ON PLAN AS WELL AS ALL DISTURBED AREAS WITH THE BELOW SEED MIX. COORDINATION WITH ENGINEER IS RECOMMENDED PRIOR TO APPLICATION.

**SEED MIX No. 1**

(SLOPES, MEADOWS AND GENERAL RESTORATION AREA)

TYPE	% BY WEIGHT
CREeping RED FESCUE	70
ASTORIA BENTGRASS	5
BIRDFOOT TREFOL	15
PERENNIAL RYE GRASS	10

APPLICATION RATE = 200 lbs. / ACRE

**SEED MIX No. 2**

(MOWED AREAS)

TYPE	% BY WEIGHT
NASSAU KENT BLUE	60
JAMESTOWN CHEWINGS FESCUE	20
PALMER PERENNIAL RYE GRASS	20

APPLICATION RATE = 200 lbs. / ACRE

**SEED MIX No. 3**

(DETENTION/INFILTRATION AREAS)

TYPE	% BY WEIGHT
CREeping RED FESCUE	28
TALL FESCUE	24
PERENNIAL RYE GRASS	18
LITTLE BLUESTEM	15
REDTOP	4
NORTHEAST WILDFLOWER MIX	4

APPLICATION RATE = 220 lbs. / ACRE OR 5 LBS. PER 1,000 S.F.

**SEED MIX No. 4**

(BIO-DETENTION AREAS)

TYPE	% BY WEIGHT
HARD FESCUE	60
SHEEP FESCUE	40

APPLICATION RATE = 25-50 LBS./ACRE (WETLAND AREAS)

**SEED MIX No. 5**

(WETLAND AREAS)

TYPE	% BY WEIGHT
REDTOP (AGROSTIS STOLONIFERA)	25
DEER TONGUE (PANICUM CLANDESTINUM)	20
BLUEJOINT GRASS (CALAMAGROSTIS CANAD.)	20
ANNUAL RYEGRASS (LOLIA MULTIFLORUM)	10
SWITCHGRASS (PANICUM VIGATUM)	10
JOE PYE WEED (EUPATORIUM FISTULOSUM)	5
YELLOW FLAG IRIS (IRIS VERSICOLOR)	5
RICEGRASS (LEERSIA ORYZOIDES)	5

APPLICATION RATE = 60 lbs. / ACRE

**LANDSCAPE CONSTRUCTION NOTES**

- CONTRACTOR SHALL FURNISH AND INSTALL ALL PLANTS SHOWN ON THE DRAWINGS SPECIFIED HEREIN, AND IN THE QUANTITIES LISTED ON THE PLANT LIST. NO SUBSTITUTIONS WILL BE PERMITTED, UNLESS APPROVED BY THE LANDSCAPE ARCHITECT.
- LOAM TO BE SCREENED, GOOD QUALITY, FERTILE, FREE OF WEEDS, STICKS, STONES OVER 3/4", AND ROOTS. SPREAD TO A MINIMUM OF 4" OVER ALL PLANTED AREAS.
- BIO-DETENTION AREAS-PLANTING SOIL AND MULCH:  
LOAMY SAND TO A SANDY LOAM-80% SAND <20% SILT, <2% CLAY. WELL AGED GRADED COMPOST (25% OF SOIL MIX). WELL AGED, AERATED DARK BROWN HARD-WOOD MULCH (AGED 6 MONTHS).
- NURSERY STOCK SHALL MEET THE STANDARDS OF THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION AS TO GRADING AND QUALITY.
- ONLY NURSERY-GROWN PLANTS, GROWN IN ACCORDANCE WITH ACCEPTED HORTICULTURAL PRACTICES, AND GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR AT LEAST TWO (2) YEARS, WILL BE ACCEPTED.
- SET PLANTS PLUMB AND AT A LEVEL THAT AFTER SETTLEMENT THEY BEAR THE SAME RELATION TO THE SURROUNDING GROUND AS THEY BORE TO THE GROUND FROM WHICH THEY WERE DUG. SETTLE BACKFILL MATERIAL FOR PLANTS, THOROUGHLY AND PROPERLY BY FIRING OR TAMPING. FORM SAUCERS, CAPABLE OF HOLDING WATER ABOUT INDIVIDUAL PLANTS, BY PLACING RIDGES OF PLANTING SOIL AROUND EACH.
- STAKE ALL TREES OVER 5 FEET AS SHOWN ON PLANS. REMOVE STAKES AT THE END OF THE 1 YEAR GUARANTEE PERIOD.
- WATERING: WATER ALL PLANTS WITHIN 48 HOURS AFTER PLANTING. IF CONDITIONS WARRANT, AND AS MANY TIMES THEREAFTER TO SUSTAIN HEALTHY CONDITIONS UNTIL LANDSCAPE INSTALLATION IS COMPLETED. SATURATE THE SOIL AROUND EACH PLANT THOROUGHLY AT EACH WATERING.
- PRUNING: PRUNE PLANTS, AS DIRECTED BY OWNER, AT THE PROJECT SITE BEFORE OR IMMEDIATELY AFTER PLANTING IN ACCORDANCE WITH THE BEST HORTICULTURAL PRACTICE. CUT BROKEN, DEAD OR INJURED BRANCHES IMMEDIATELY ABOVE THE STEM COLLAR ON THE TRUNK OR LIMB. PRUNE ALL BROKEN ROOTS ON THE PLANT SIDE OF THE BREAK. PAINT CUTS OVER 3/4" IN DIAMETER WITH TREE WOUND PAINT. PRUNING SHALL NOT DEFORM OR OTHERWISE DESTROY THE TYPICAL SHAPE OR SYMMETRY OF THE PLANT, AND SHALL NOT REDUCE THE HEIGHT BY MORE THAN ONE-THIRD. DO NOT CUT BACK THE LEADER OF THE PLANT UNLESS DIRECTED BY THE LANDSCAPE ARCHITECT.
- FERTILIZING: FERTILIZE SHRUB BEDS WITH 10-6-4 FERTILIZER BROADCAST AT A RATE OF THREE POUNDS PER 100 SQUARE FEET OF SURFACE AREA BROADCAST. APPLY THE FERTILIZER UNIFORMLY TO THE SURFACE BEDS AND WORK INTO THE UPPER TWO INCHES OF SOIL. FERTILIZE INDIVIDUAL TREES AT A RATE OF ONE AGRIFORM PELLET PER INCH OF TRUNK DIAMETER (FOLLOW MANUFACTURER'S WRITTEN INSTRUCTIONS). APPLY A SECOND APPLICATION OF FERTILIZER TO ALL PLANT ITEMS AT THE SAME SPECIFIED RATES OVER THE MULCH AT THE END OF AN EIGHT WEEK PERIOD.
- LIMING: ADD POWDERED LIME EVERY SIX MONTHS - OR SLOW RELEASE GRANULAR LIME-AS PER MANUFACTURER'S INSTRUCTION.
- MULCHING: WITHIN A 72 HOUR PERIOD AFTER PLANTING, COVER ALL PLANTED AREAS WITH 3" DARK HEMLOCK MULCH. NO RED OR DYED MULCH TO BE USED. MULCH SHOULD BE PULLED ONE INCH AWAY FROM PLANT TRUNK OR STEM, AND NOT ALLOWED TO REST DIRECTLY AGAINST THE TRUNK OR STEM.
- GUARANTEE: ALL PLANTS FURNISHED BY THE CONTRACTOR SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER PRELIMINARY INSPECTION AND SHALL BE ALIVE AND IN SATISFACTORY GROWTH AT THE END OF THE GUARANTEE PERIOD. ALL DEAD OR DYING PLANT MATERIAL SHALL BE REPLACED AT ONCE BY THE CONTRACTOR, FREE OF CHARGE.
- REPLACEMENT: REPLACEMENT OF GRASS OR LANDSCAPE PLANTINGS SHALL BE IN ACCORDANCE WITH THE NEW INSTALLATION STANDARDS.

**CROSSMAN ENGINEERING**  
151 Centerville Road | Warwick, Rhode Island 02886  
Phone: (401) 738-5660 | Fax: (401) 738-8157  
Email: cel@crossmaneng.com

- Civil
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- Environmental
- Site Planning
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**Waterman ENGINEERING COMPANY**  
Engineers & Surveyors - Est. 1894

46 Sutton Avenue  
East Providence, RI  
Phone: (401) 438-5775  
Fax: (401) 438-5773  
www.watermanengineering.net

REGISTERED PROFESSIONAL ENGINEER  
EIPEM File #

KEY PLAN  
DEC - 2012  
Office of Environmental Management

**PROPOSED WAREHOUSE EXPANSION**

PLAT MAP 48, LOT 17B  
ZONING DISTRICT PCD  
PLANNED CORPORATE DISTRICT

500 GEORGE WASHINGTON HIGHWAY  
SMITHFIELD, RHODE ISLAND

PREPARED FOR:  
**FGX INTERNATIONAL, INC.**

500 GEORGE WASHINGTON HIGHWAY  
SMITHFIELD, RHODE ISLAND  
02917

DRAWING TITLE:  
**LANDSCAPE DETAIL PLAN**

DATE: AUGUST 2012 SCALE: AS SHOWN  
DWG. NAME: 1841-L03-LNDET-R5.dwg

REVISIONS

NUMBER	REMARKS	DATE
1	TOWN/RIDEM COMMENTS	10/22/12
2	RIDEM COMMENTS	11/02/12
3	TOWN COMMENTS	11/13/12
4	R.I.D.O.T. PAP	11/19/12
5	VALUE ENGINEERING	11/26/12

DRAWING NUMBER  
**L3**

SHEET: 28 OF: 28

AGENCY REVIEW SUBMISSION

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Crossman Engineering  
151 Centerville Road  
Warwick, Rhode Island 02886  
Phone: (401) 738-5660  
Email: cel@crossmaneng.com

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