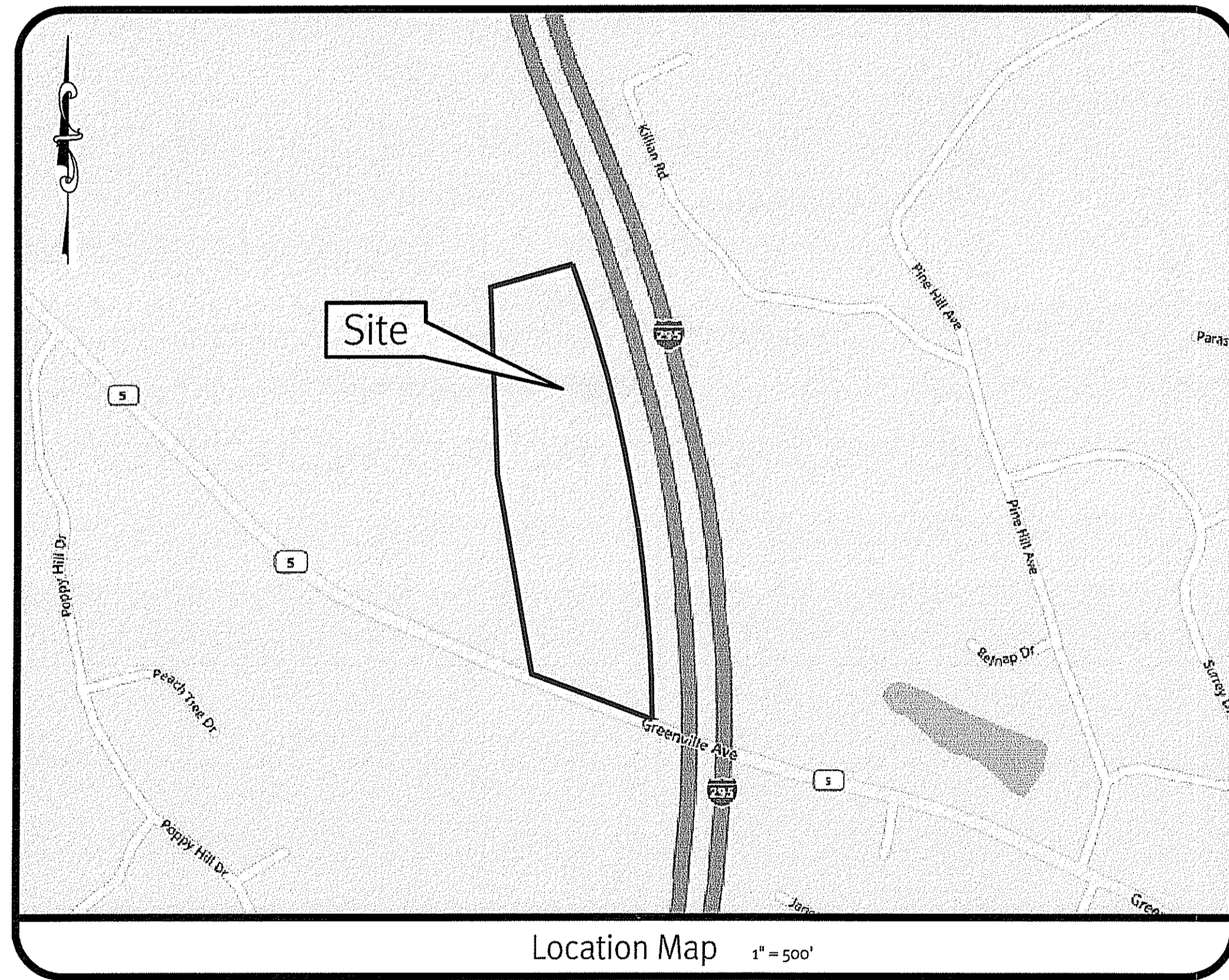


RIDEM Preliminary Determination

Greater RI Baptist Temple Driveway

671 Greenville Avenue
Johnston, RI

Assessor's Plat 50 Lot 71



Sheet Index

1. Cover Sheet
2. General Notes & Legend
3. Half Mile Aerial & USGS Map
4. Existing Conditions Plan - 1
5. Site Layout Plan
6. Grading & Drainage Plan
7. Revised Sand Filter A & Sand Filter J

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED **NOV 22 2017** FILE # **17-0250**
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Wemel

RIDEM Approval Application Reference 16-0253
This new permit application references design analysis and plan references as approved under RIDEM Application 16-0253 (Citizens Bank Corporate Campus). See approved submission documents for further information.

SESC / O&M
The Soil Erosion and Sediment Control Plan (SESC) from RIDEM Application 16-0253 and new Greater RI Baptist Temple Operations and Maintenance Plan (O&M) are required documents with this plan set and must be maintained by the contractor and owner onsite.

NICOLE M. W. REILLY
Nicole M. W. Reilly
REGISTERED PROFESSIONAL ENGINEER
CIVIL

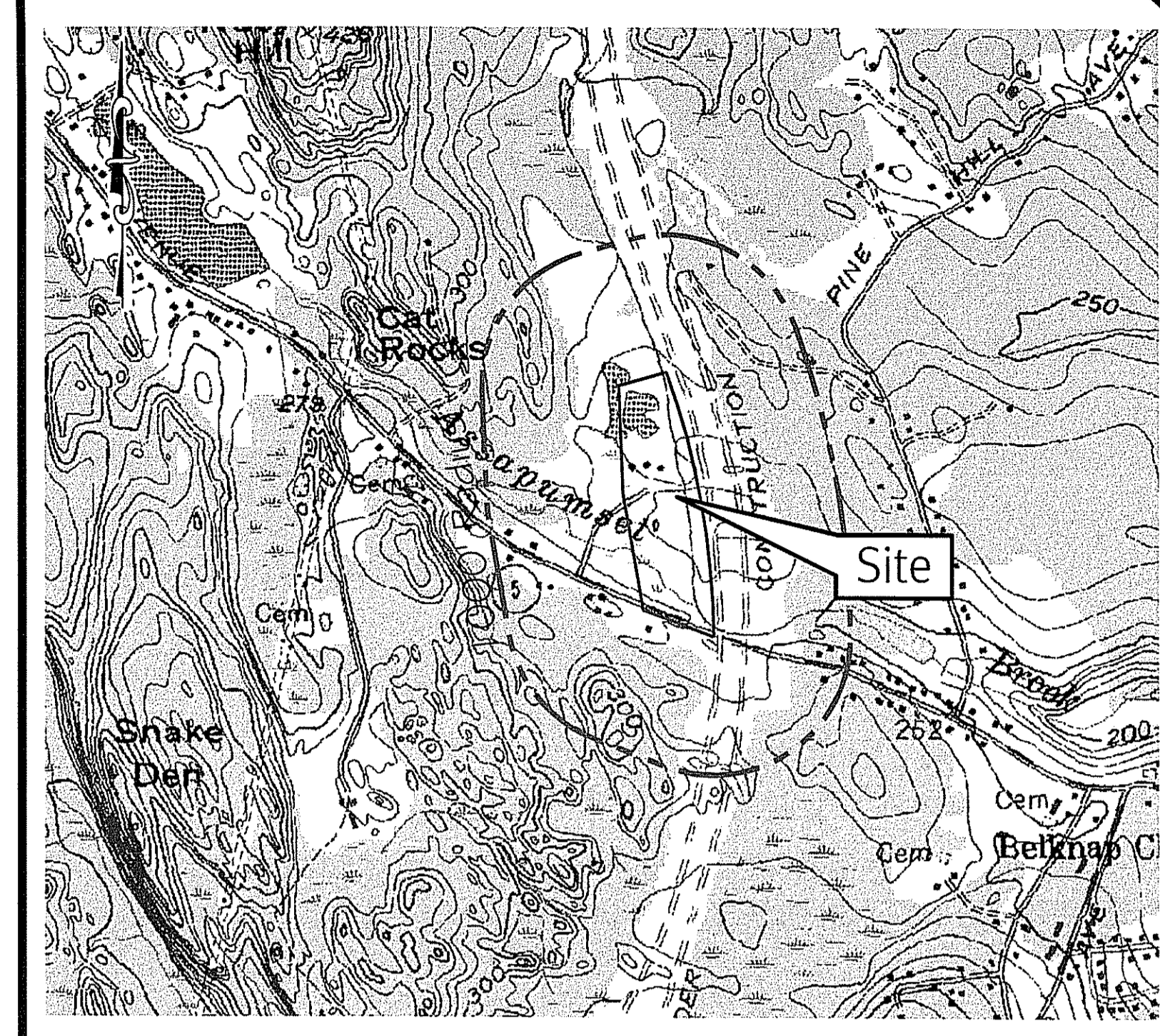
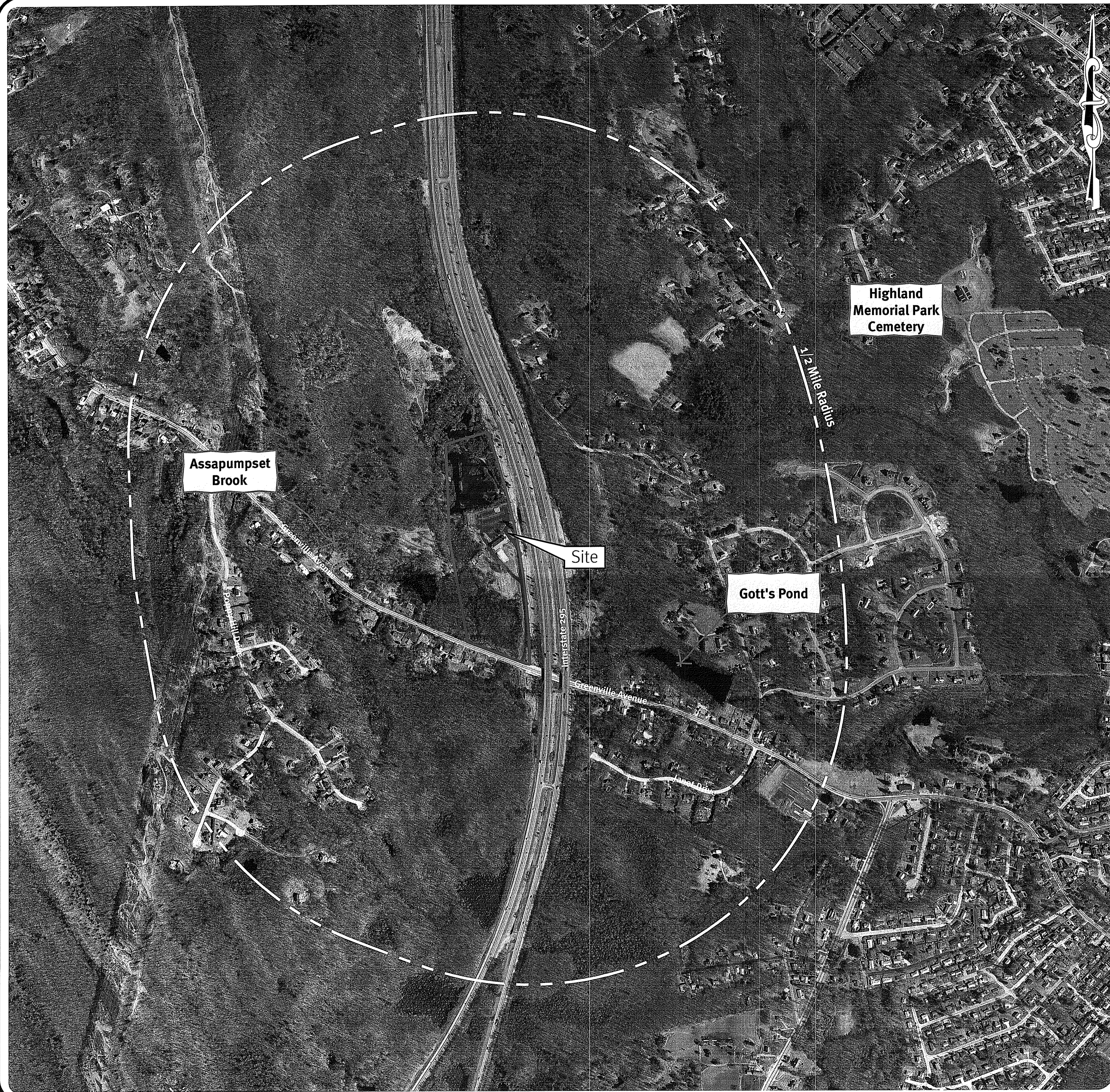
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The contractor is responsible for all of the means, methods, safety, precautions and requirements, and OSHA compliance in the implementation of this plan and design.

No.	Date	Description	Drawn By: J.A.D.
1	09-23-2017	RIDEM Preliminary Determination	J.A.D.
			Design By: J.A.D.

Cover Sheet
GRIBT Driveway
Johnston, Rhode Island
Applicant
Greater RI Baptist Temple
671 Greenville Avenue, Johnston, Rhode Island 02919
Tel: 401-231-4795
DE Job No: 2387-001-809 Copyright 2017 by DiPrete Engineering Associates, Inc.

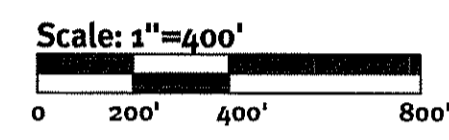
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USGS Map Scale: 1"=1000'

Photo obtained from the RI-GIS.



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Jonathan D. Wenzel

Half Mile Aerial & USGS Map
GRIBT Driveway

Applicant
Johnston, Rhode Island
Greater RI Baptist Temple
671 Greenville Avenue, Johnston, Rhode Island 02919
Tel: 401-231-4796

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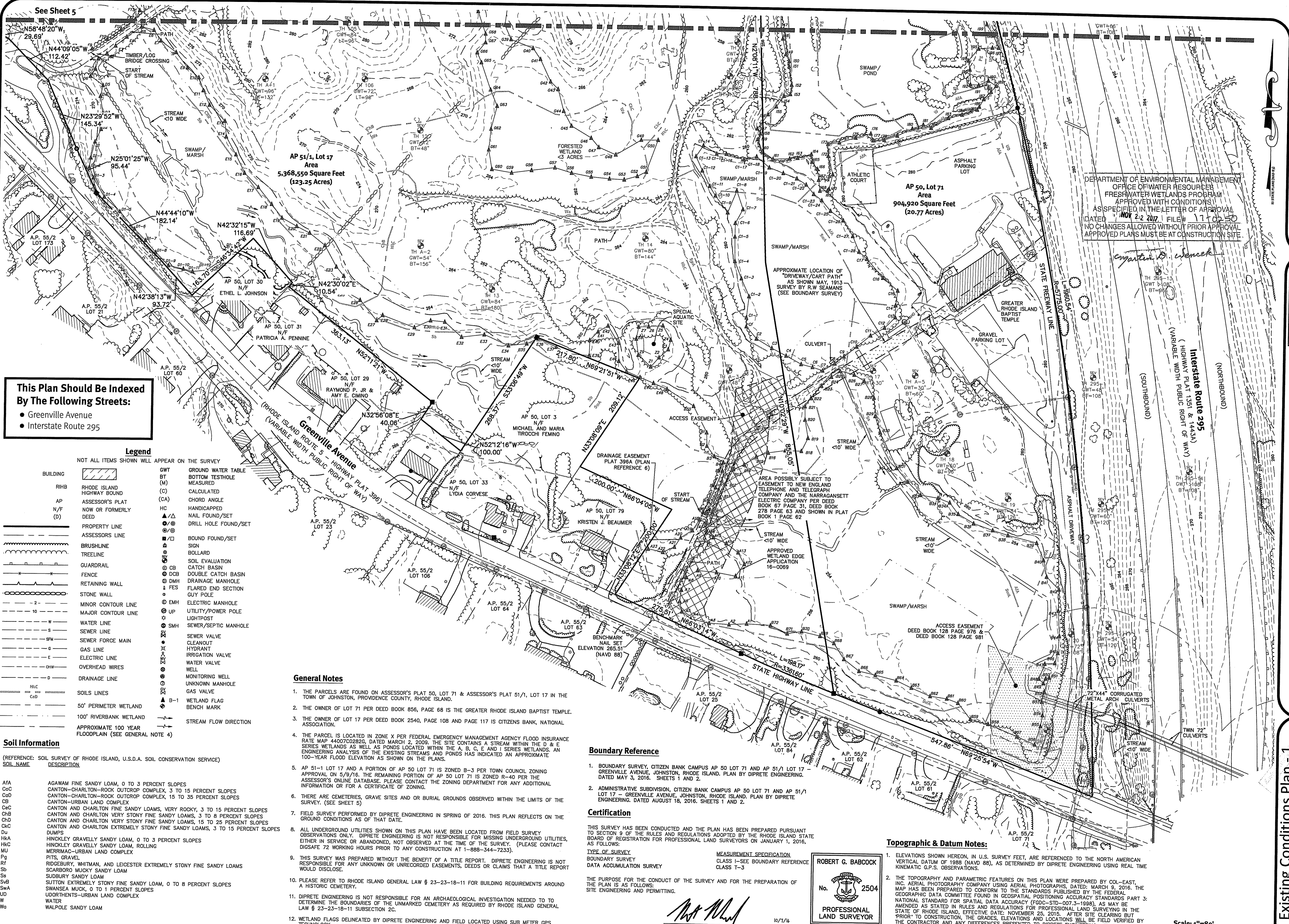
No.	Date	DESCRIPTION	By
1	10/23/2017	DESIGN SUBMITTAL DETERMINATION	JAD
			Design By: JAD.

DiPrete Engineering

Two Stafford Court Cranston, RI 02920
tel: 401-943-1000 fax: 401-464-6006 www.diprete-eng.com

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NICOLE M. W. REILLY
Nicole M. W. Reilly
REGISTERED PROFESSIONAL ENGINEER
CIVIL



This Plan Should Be Indexed By The Following Streets:

- Greenville Avenue
- Interstate Route 295

Legend

NOT ALL ITEMS SHOWN WILL APPEAR ON THE SURVEY

	BUILDING		GROUND WATER TABLE MEASURED
	RHODE ISLAND HIGHWAY BOUND		BOTTOM TESTHOLE MEASURED
	ASSESSOR'S PLAT		CALCULATED
	NOW OR FORMERLY DEED		CHORD ANGLE
	PROPERTY LINE		HANDICAPPED
	ASSESSORS LINE		NAIL FOUND/SET
	BRUSHLINE		DRILL HOLE FOUND/SET
	TREELINE		BOUND FOUND/SET
	GUARDRAIL		SIGN
	FENCE		BOLLARD
	RETAINING WALL		SOIL EVALUATION
	STONE WALL		CATCH BASIN
	MINOR CONTOUR LINE		DOUBLE CATCH BASIN
	MAJOR CONTOUR LINE		DRAINAGE MANHOLE
	WATER LINE		FLARED END SECTION
	SEWER LINE		GUY POLE
	SEWER FORCE MAIN		ELECTRIC MANHOLE
	GAS LINE		UTILITY/POWER POLE
	ELECTRIC LINE		LIGHTPOST
	OVERHEAD WIRES		SEWER/SEPTIC MANHOLE
	DRAINAGE LINE		SEWER VALVE
	DUMPS		CLEANOUT
	50' PERIMETER WETLAND		HYDRANT
	100' RIVERBANK WETLAND		IRRIGATION VALVE
	APPROXIMATE 100 YEAR FLOODPLAIN (SEE GENERAL NOTE 4)		WATER VALVE
			WELL
			MONITORING WELL
			UNKNOWN MANHOLE
			GAS VALVE
			WETLAND FLAG
			BENCH MARK
			STREAM FLOW DIRECTION

Soil Information

(REFERENCE: SOIL SURVEY OF RHODE ISLAND, U.S.D.A. SOIL CONSERVATION SERVICE)

SOIL NAME	DESCRIPTION
AfA	AGAWAM FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES
CaC	CANTON-CHARLTON-ROCK OUTCROP COMPLEX, 3 TO 15 PERCENT SLOPES
CaD	CANTON-CHARLTON-ROCK OUTCROP COMPLEX, 15 TO 35 PERCENT SLOPES
Cb	CANTON-URBAN LAND COMPLEX
CaC	CANTON AND CHARLTON FINE SANDY LOAMS, VERY ROCKY, 3 TO 15 PERCENT SLOPES
ChB	CANTON AND CHARLTON VERY STONY FINE SANDY LOAMS, 3 TO 8 PERCENT SLOPES
ChC	CANTON AND CHARLTON VERY STONY FINE SANDY LOAMS, 15 TO 25 PERCENT SLOPES
ChD	CANTON AND CHARLTON EXTREMELY STONY FINE SANDY LOAMS, 3 TO 15 PERCENT SLOPES
CkC	DUMPS
HkA	HINCKLEY GRAVELLY SANDY LOAM, 0 TO 3 PERCENT SLOPES
HkC	HINCKLEY GRAVELLY SANDY LOAM, ROLLING
MU	MERRIMAC-URBAN LAND COMPLEX
Pg	PITS, GRAVEL
Rf	RIDGEBURY, WHITMAN, AND LEICESTER EXTREMELY STONY FINE SANDY LOAMS
Sb	SCARBORO MUCKY SANDY LOAM
Ss	SUBURBY SANDY LOAM
SvB	SUTTON EXTREMELY STONY FINE SANDY LOAM, 0 TO 8 PERCENT SLOPES
SwA	SWANSEA MUCK, 0 TO 1 PERCENT SLOPES
UD	UDRTHENTIS-URBAN LAND COMPLEX
W	WATER
Wd	WALPOLE SANDY LOAM

- General Notes**
1. THE PARCELS ARE FOUND ON ASSESSOR'S PLAT 50, LOT 71 & ASSESSOR'S PLAT 51/1, LOT 17 IN THE TOWN OF JOHNSTON, PROVIDENCE COUNTY, RHODE ISLAND.
 2. THE OWNER OF LOT 71 PER DEED BOOK 856, PAGE 68 IS THE GREATER RHODE ISLAND BAPTIST TEMPLE.
 3. THE OWNER OF LOT 17 PER DEED BOOK 2540, PAGE 108 AND PAGE 117 IS CITIZENS BANK, NATIONAL ASSOCIATION.
 4. THE PARCEL IS LOCATED IN ZONE X PER FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP 4407030282G, DATED MARCH 2, 2009. THE SITE CONTAINS A STREAM WITHIN THE D & E SERIES WETLANDS AS WELL AS PONDS LOCATED WITHIN THE A, B, C, E AND I SERIES WETLANDS. AN ENGINEERING ANALYSIS OF THE EXISTING STREAMS AND PONDS HAS INDICATED AN APPROXIMATE 100-YEAR FLOOD ELEVATION AS SHOWN ON THE PLANS.
 5. AP 51-1 LOT 17 AND A PORTION OF AP 50 LOT 71 IS ZONED B-3 PER TOWN COUNCIL ZONING APPROVAL ON 5/9/16. THE REMAINING PORTION OF AP 50 LOT 71 IS ZONED R-40 PER THE ASSESSOR'S ONLINE DATABASE. PLEASE CONTACT THE ZONING DEPARTMENT FOR ANY ADDITIONAL INFORMATION OR FOR A CERTIFICATE OF ZONING.
 6. THERE ARE CEMETERIES, GRAVE SITES AND OR BURIAL GROUNDS OBSERVED WITHIN THE LIMITS OF THE SURVEY. (SEE SHEET 5)
 7. FIELD SURVEY PERFORMED BY DIPRETE ENGINEERING IN SPRING OF 2016. THIS PLAN REFLECTS ON THE GROUND CONDITIONS AS OF THAT DATE.
 8. ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN LOCATED FROM FIELD SURVEY OBSERVATIONS ONLY. DIPRETE ENGINEERING IS NOT RESPONSIBLE FOR MISSING UNDERGROUND UTILITIES, EITHER IN SERVICE OR ABANDONED, NOT OBSERVED AT THE TIME OF THE SURVEY. (PLEASE CONTACT DISSAFE 72 WORKING HOURS PRIOR TO ANY CONSTRUCTION AT 1-888-344-7233).
 9. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. DIPRETE ENGINEERING IS NOT RESPONSIBLE FOR ANY UNKNOWN OR UNRECORDED EASEMENTS, DEEDS OR CLAIMS THAT A TITLE REPORT WOULD DISCLOSE.
 10. PLEASE REFER TO RHODE ISLAND GENERAL LAW § 23-23-18-11 FOR BUILDING REQUIREMENTS AROUND A HISTORIC CEMETERY.
 11. DIPRETE ENGINEERING IS NOT RESPONSIBLE FOR AN ARCHAEOLOGICAL INVESTIGATION NEEDED TO DETERMINE THE BOUNDARIES OF THE UNMARKED CEMETERY AS REQUIRED BY RHODE ISLAND GENERAL LAW § 23-23-18-11 SUBSECTION 2c.
 12. WETLAND FLAGS DELINEATED BY DIPRETE ENGINEERING AND FIELD LOCATED USING SUB METER GPS TECHNOLOGY.

Boundary Reference

1. BOUNDARY SURVEY, CITIZEN BANK CAMPUS AP 50 LOT 71 AND AP 51/1 LOT 17 GREENVILLE AVENUE, JOHNSTON, RHODE ISLAND. PLAN BY DIPRETE ENGINEERING, DATED MAY 3, 2016. SHEETS 1 AND 2.
2. ADMINISTRATIVE SUBDIVISION, CITIZEN BANK CAMPUS AP 50 LOT 71 AND AP 51/1 LOT 17 GREENVILLE AVENUE, JOHNSTON, RHODE ISLAND. PLAN BY DIPRETE ENGINEERING, DATED AUGUST 18, 2016. SHEETS 1 AND 2.

Certification

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON JANUARY 1, 2016, AS FOLLOWS:

TYPE OF SURVEY: BOUNDARY SURVEY
 DATA ACCUMULATION SURVEY

MEASUREMENT SPECIFICATION:
 CLASS 1-SEE BOUNDARY REFERENCE
 CLASS 1-3

THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:
 SITE ENGINEERING AND PERMITTING.

ROBERT G. BABCOCK
 No. 2504
 PROFESSIONAL LAND SURVEYOR

Topographic & Datum Notes:

1. ELEVATIONS SHOWN HEREON, IN U.S. SURVEY FEET, ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), AS DETERMINED BY DIPRETE ENGINEERING USING REAL TIME KINEMATIC G.P.S. OBSERVATIONS.
2. THE TOPOGRAPHY AND PARAMETRIC FEATURES ON THIS PLAN WERE PREPARED BY COL-EAST, INC. AERIAL PHOTOGRAPHY COMPANY USING AERIAL PHOTOGRAPHS, DATED: MARCH 9, 2016. THE GEOGRAPHIC DATA ACCURACY (FGCS-STD-007.3-1998), AS MAY BE AMENDED AS STATED IN RULES AND REGULATIONS FOR PROFESSIONAL LAND SURVEYING IN THE STATE OF RHODE ISLAND, EFFECTIVE DATE: NOVEMBER 25, 2015. AFTER SITE CLEARING BUT PRIOR TO CONSTRUCTION, THE GRADES, ELEVATIONS AND LOCATIONS WILL BE FIELD VERIFIED BY THE CONTRACTOR AND ANY DIFFERENCES PRESENTED TO DIPRETE ENGINEERING. IT IS ESSENTIAL THAT ANY DISCREPANCIES IN THE MAPPING BE DEALT WITH PRIOR TO CONSTRUCTION COMMENCEMENT.

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 OFFICE OF WATER RESOURCES
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 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

Signature

Existing Conditions Plan - 1

Citizens Bank Campus

AP 50 LOT 71 and AP 51/1 LOT 17 - Greenville Avenue
 Johnston, Rhode Island

Prepared by:
 Robert G. Babcock
 Citizens Bank
 One Citizens Plaza, Providence, Rhode Island 02903

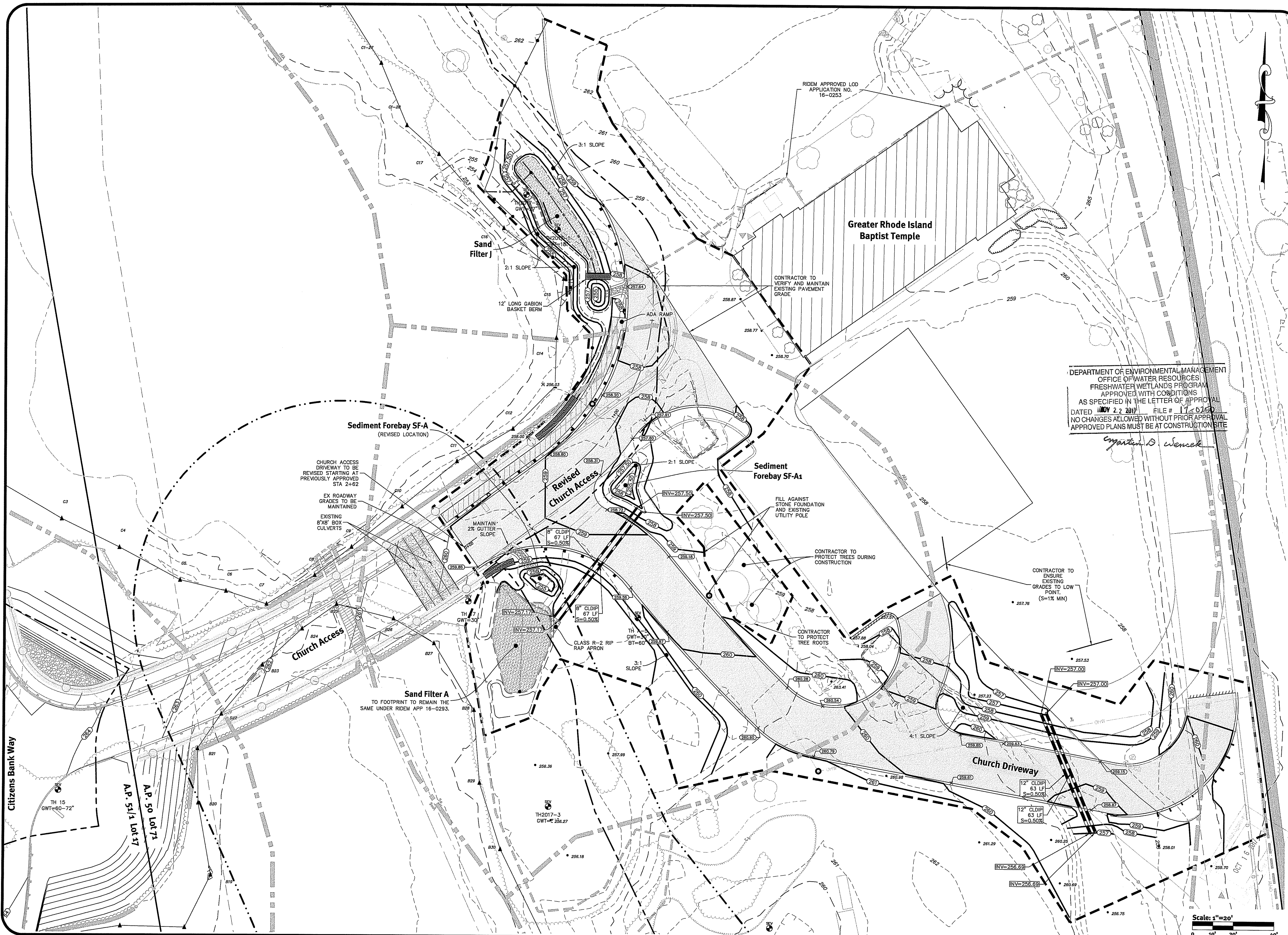
Drawn By: MTT

DIPRETE Engineering

Two Stafford Court, Cranston, RI 02920
 Tel: 401-943-9000 Fax: 401-943-6006 www.diprete-eng.com

BRIAN C GIROUX
 No. 9341
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

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Martin D. Wemel

Scale: 1"=20'
 0 10' 20' 40'

Grading & Drainage Plan
GRIBT Driveway

Applicant:
Greater RI Baptist Temple
 67 Greenville Avenue, Johnston, Rhode Island 02919
 Tel: 402-232-4795

No.	DATE	DESCRIPTION	BY
1	05/13/2017	REVISION: PRELIMINARY DRAINAGE	JAD
2	05/13/2017	REVISION: PRELIMINARY DRAINAGE	JAD

Drawn By: JAD
 Design By: JAD

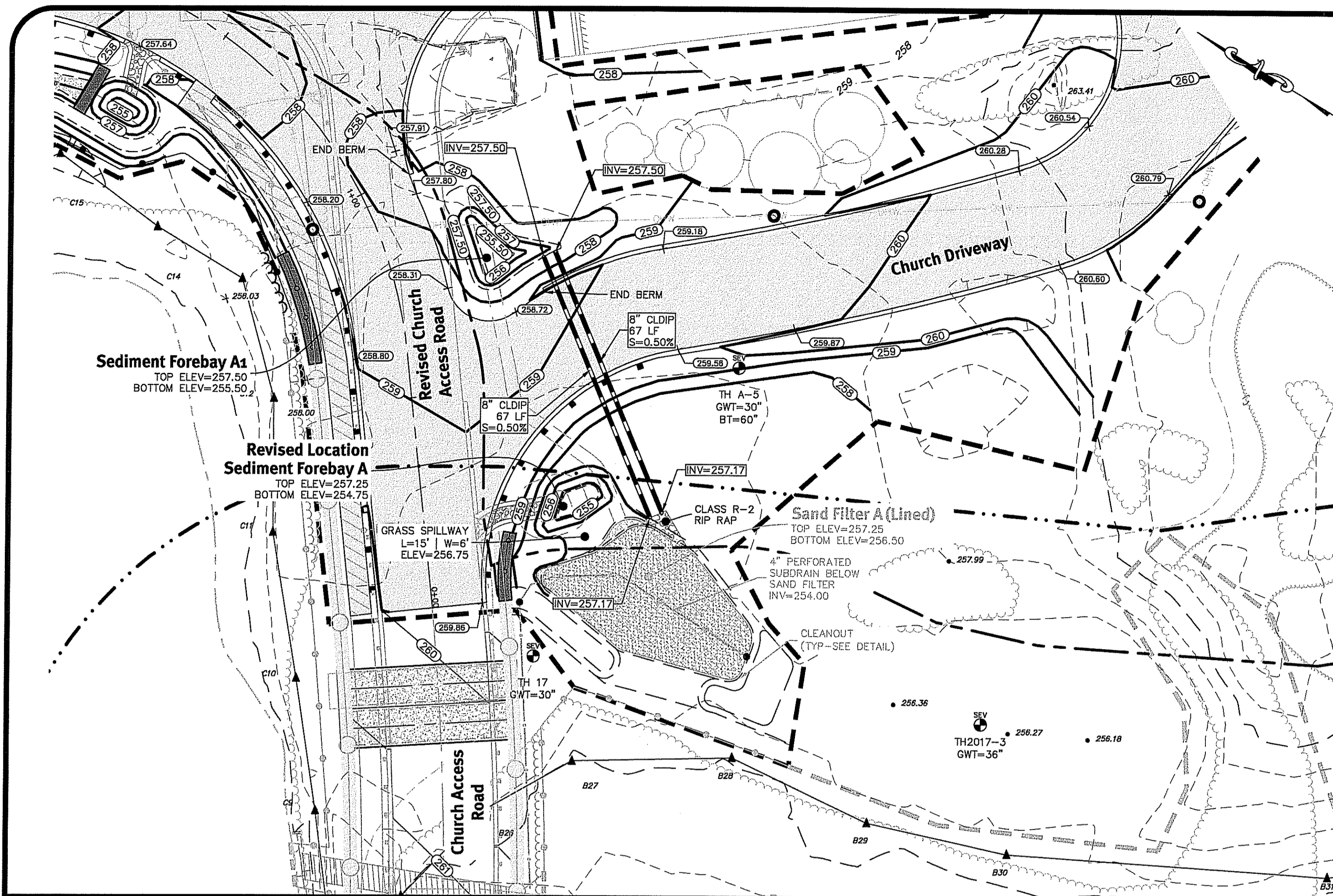
NICOLE M. W. REILLY

 REGISTERED
 PROFESSIONAL ENGINEER
 CIVIL

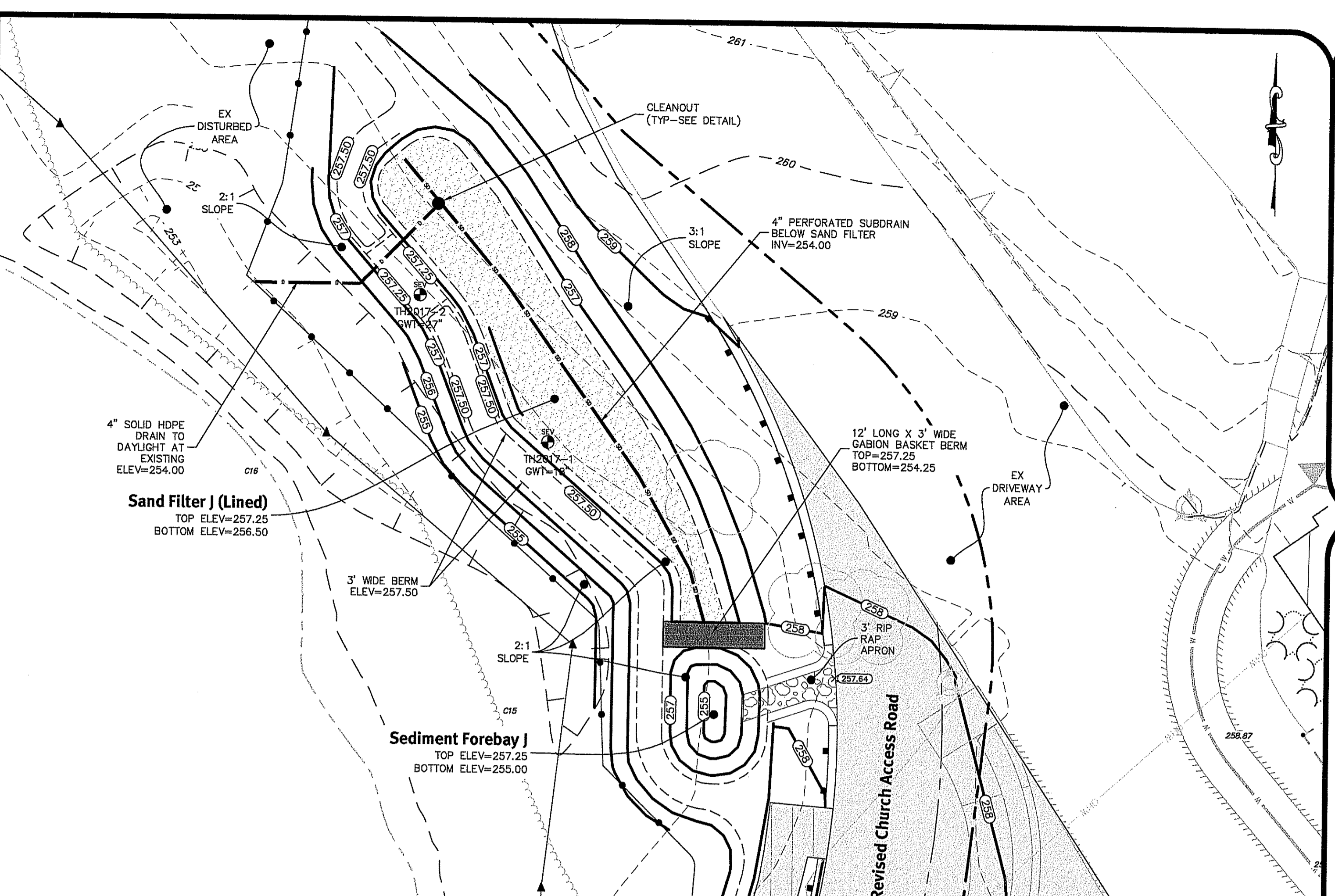
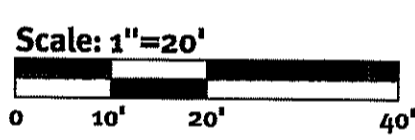
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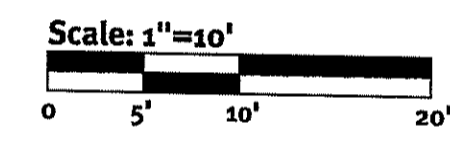
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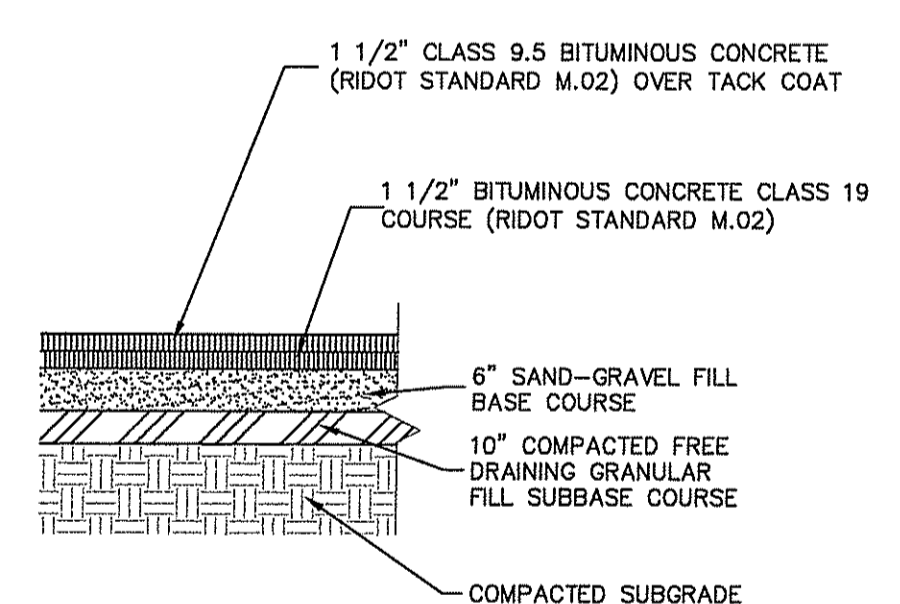
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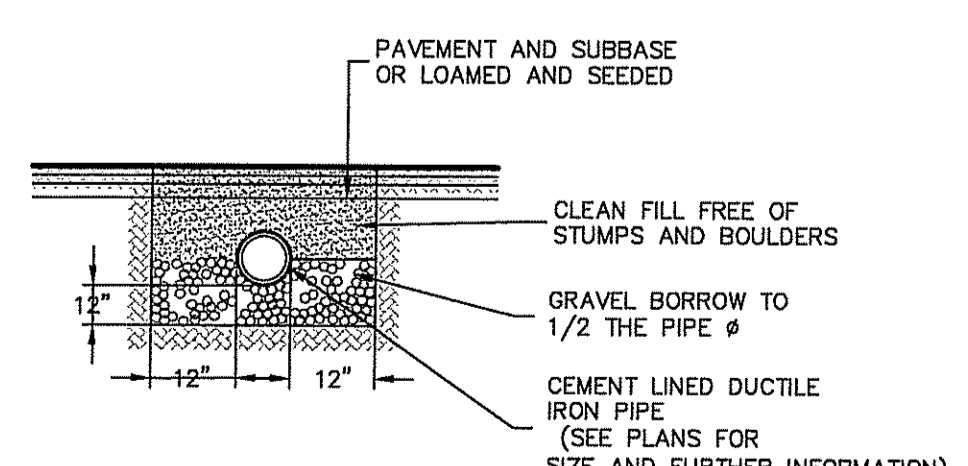
Sand Filter J (Lined)



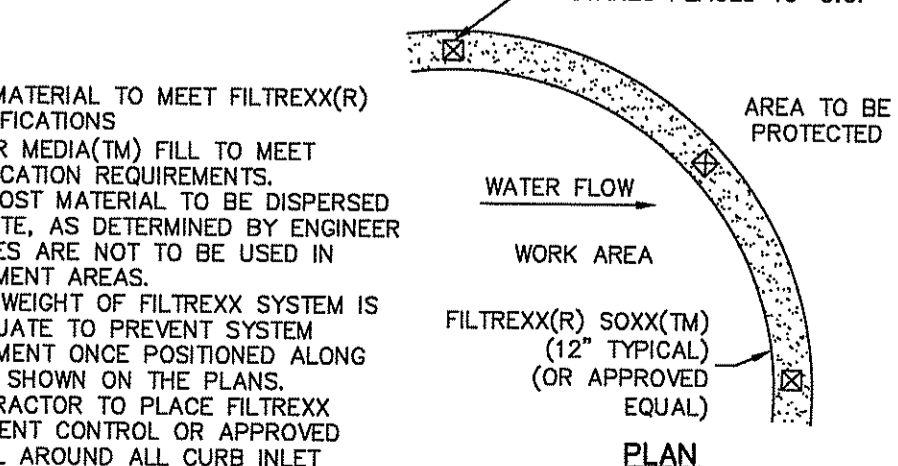
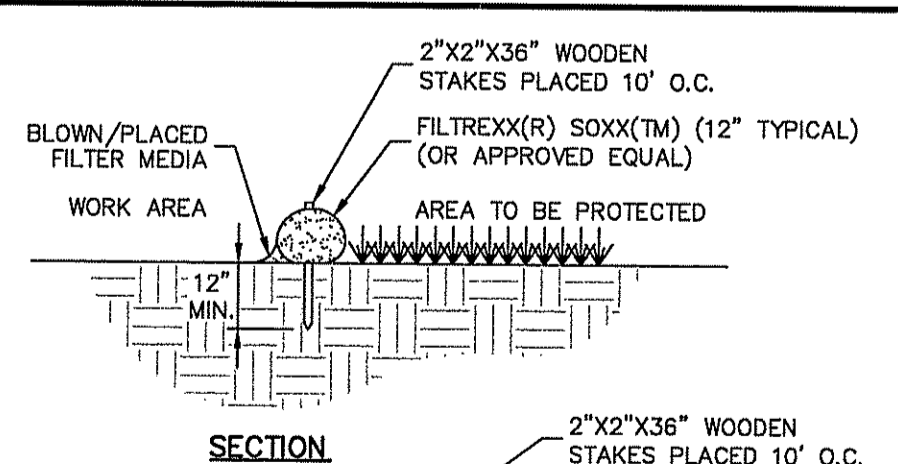
NOTE:
THIS PAVEMENT SECTION DETAIL REFLECTS MINIMUM REQUIREMENTS. FOR GRADATION SPECIFICATIONS AND COMPACTION INFORMATION SEE EARTHWORK SPECIFICATIONS DATED 9/23/26 BY GZA.



Typical Pavement Section
NOT TO SCALE

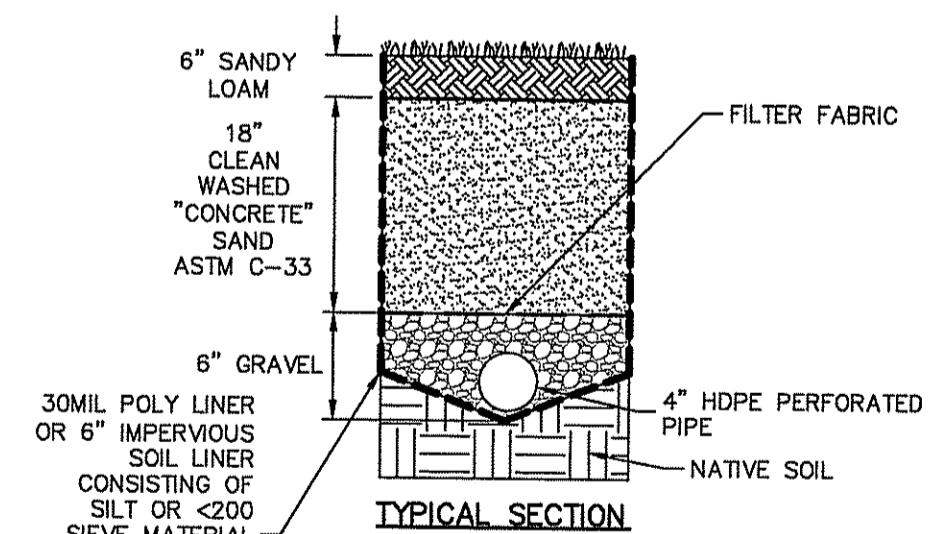


Drainage Trench Detail
NOT TO SCALE



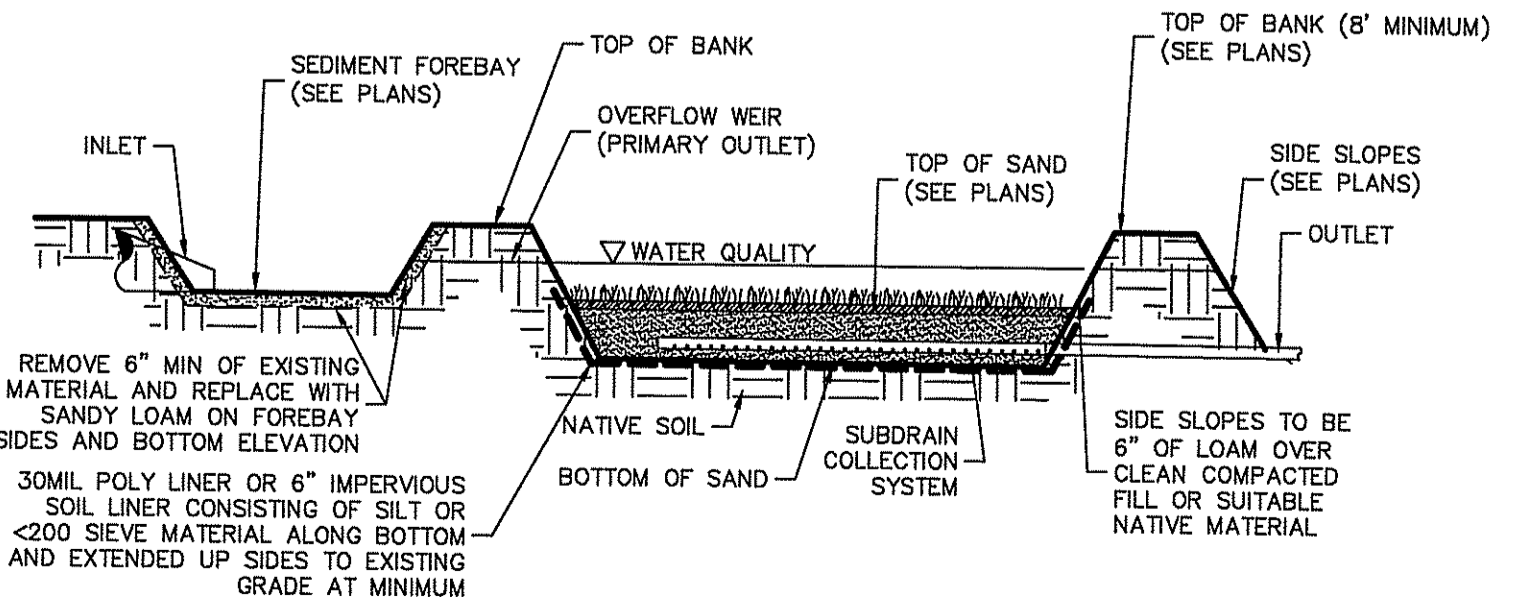
- NOTES:**
1. ALL MATERIAL TO MEET FILTREXX(R) SPECIFICATIONS
 2. FILTER MEDIA(TM) FILL TO MEET APPLICATION REQUIREMENTS.
 3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER
 4. STAKES ARE NOT TO BE USED IN PAVEMENT AREAS.
 5. SELF WEIGHT OF FILTREXX SYSTEM IS ADEQUATE TO PREVENT SYSTEM MOVEMENT ONCE POSITIONED ALONG AREA SHOWN ON THE PLANS.
 6. CONTRACTOR TO PLACE FILTREXX SEDIMENT CONTROL OR APPROVED EQUAL AROUND ALL CURB INLET LOCATIONS AS SPECIFIED ON PLANS.

Filtrexx Sediment Control (or Approved Equal)
NOT TO SCALE



DESCRIPTION	SF-A	SF-J
TOP ELEVATION	257.25	257.25
100 YEAR STORM ELEVATION	257.18	257.50
10 YEAR STORM ELEVATION	256.87	257.37
1 YEAR STORM ELEVATION	255.90	256.86
TOP OF SOIL ELEVATION	256.50	256.50
SAND & LOAM DEPTH	2.0'	2.0'
BOTTOM OF SAND LAYER	254.50	254.00
SEASONAL HIGH GWT ELEVATION	254.25	254.25
SOIL EVALUATION	TH-17 TH-A-5	TH-17-1

NOTE:
REFERENCE LANDSCAPE ARCHITECT PLANS FOR PLANTING SCHEDULE AND OTHER INFORMATION



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Martin D. Wencik

Revised Sand Filter A & Sand Filter J
GRIBT Driveway

Applicant
Greater RI Baptist Temple
671 Greenville Avenue, Johnston, Rhode Island 02919
tel. 401-231-4795

DiPrete Engineering

Two Stafford Court, Cranston, RI 02906
tel. 401-919-1000 fax. 401-941-6006 www.diprete-eng.com

NICOLE M. W. REILLY
REGISTERED PROFESSIONAL ENGINEER
CIVIL

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No.	Date	Description	Design By: J.A.D.
1	10/2/2017	Revised Sand Filter A & Sand Filter J	J.A.D.