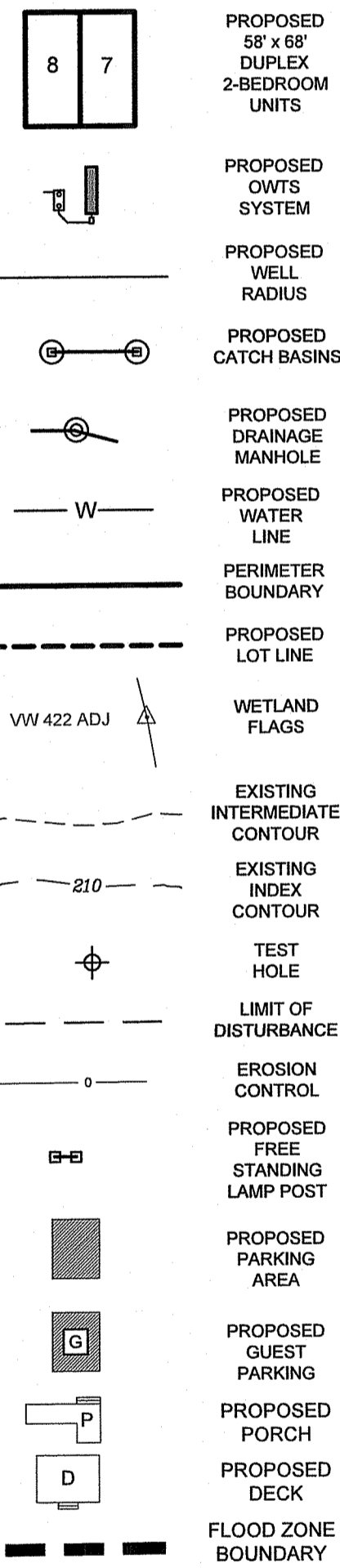


WETLANDS SUBMISSION
A
COMPREHENSIVE PLAN
OF A
MAJOR LAND DEVELOPMENT
FOR
HOPE RIVER VILLAGE
A 55 AND OLDER COMMUNITY
OLD HOPE KENT ROAD
SCITUATE, R.I.

BEING A.P. 10, LOT 9
 LOT AREA = 22.38 ACRES

1. THIS SITE DOES NOT FALL WITHIN A CRITICAL RESOURCE AREA AS DEFINED IN RULE 38.00.
2. THESE LOTS ARE NOT WITHIN THE PROVIDENCE WATER SUPPLY BOARD WATERSHED.
3. WETLAND EDGE HAS BEEN VERIFIED BY RIDEM APPLICATION #06-0214 (7/20/07).
4. THERE ARE NO EXISTING ONSITE WASTEWATER TREATMENT SYSTEMS WITHIN 100' OF THE PROPOSED WELLS.
5. THERE ARE NO EXISTING DRAINS WITHIN 100' OF THE PROPOSED OWTS.
6. THERE ARE NO EXISTING OR PROPOSED PRIVATE WELLS WITHIN 150' OF THE PROPOSED OWTS.
7. THERE ARE NO EXISTING OR PROPOSED PUBLIC WELLS WITHIN 400' OF THE PROPOSED OWTS EXCEPT AS SHOWN ON PLAN.
8. THERE ARE NO WETLANDS IN THE AREA OF PROPOSED DEVELOPMENT, EXCEPT AS SHOWN ON PLAN.
9. BASEMAP AND PHYSICAL DATA PROVIDED BY HORSLEY WITEN GROUP, INC.
10. THE PERIMETER SURVEY WAS PERFORMED TO THE ACCURACY OF A CLASS III STANDARD.
11. ALL BENCHMARKS ARE TO BE SET WITHIN 150' OF EACH OWTS AT TIME OF CONSTRUCTION.
12. THE LOCATION OF ALL PROPOSED UTILITIES TO BE DETERMINED BY THE RESPECTIVE UTILITY COMPANY.
13. UNDERGROUND ELECTRIC, CABLE, AND TELEPHONE SERVICES ARE PROPOSED FOR THIS DEVELOPMENT.
14. 48 PARKING SPACES PROVIDED/REQUIRED.
15. INDIVIDUAL TRASH PICKUP WILL BE PROVIDED.

LEGEND



PROJECT SYNOPSIS:

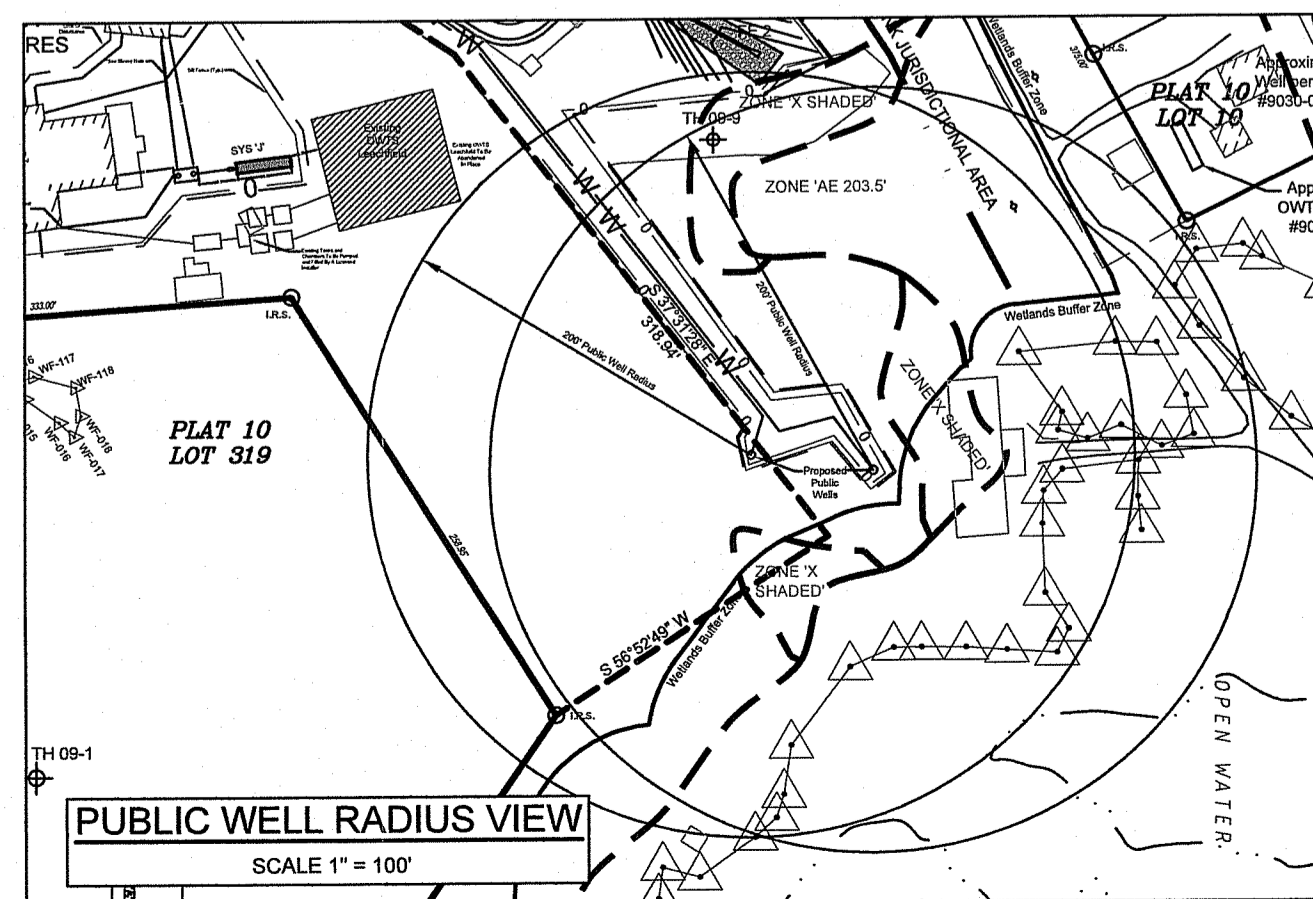
NEW KENT GROUP, LLC. proposes to develop a residential 55 and older housing development to be called HOPE RIVER VILLAGE. The Project is located in Scituate on the easterly side of Old Hope Kent Road and northerly of Howard Avenue. The site, which consists of Tax Assessor's Map 10, Lot 9 contains a total of 22.38 acres of land. The property is located in zone: RSW-60/80. This project is not located within the Providence Water Supply Board Watershed.

All existing structures to be removed with the exception of the structures shown on the proposed conditions plan.
PROPOSED LOT CONFIGURATION:
 LOT "A" - Development Lot AREA = 2.77 Acres
 Lot A contains 3 vacant buildings with no current permitted use. There is no proposed development with the exception of the relocation of the well.
 LOT "B" - Development Lot AREA = 19.48 Acres
 LOT "C" - To be dedicated to the Town, Lot AREA = 0.13 Acres
PROPOSED IMPROVEMENTS ON LOT "A"

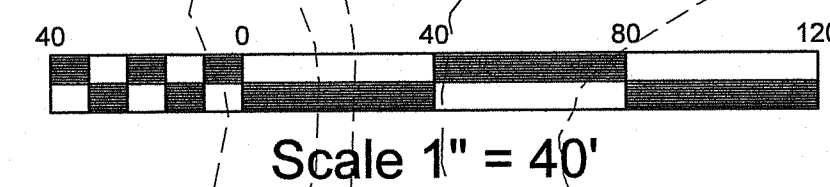
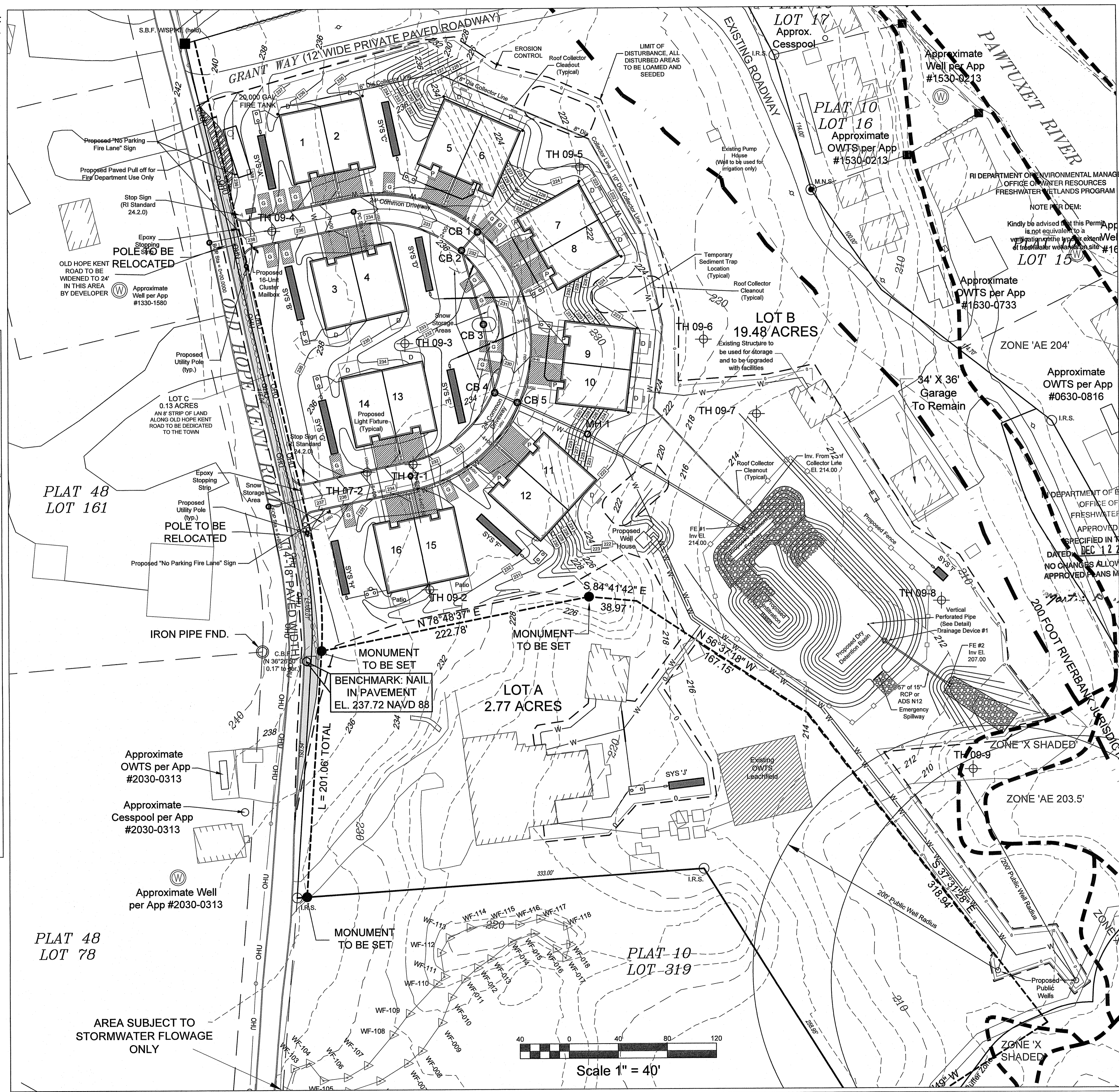
- 1 - PUBLIC WELL
- PROPOSED IMPROVEMENTS ON LOT "B"**
- UNITS 1 - 16 (55 and older) 4 of these Units will be Affordable Housing
- 8 - PROPOSED STRUCTURES (56' x 58')
- 2 - DWELLING UNITS PER STRUCTURE
- 16 - DWELLING UNITS TOTAL
- 2 - BEDROOMS PER DWELLING UNIT
- 32 - BEDROOMS TOTAL
- 8 - PRIVATE ONSITE WASTEWATER TREATMENT SYSTEMS
- 1 - PUBLIC WELL

TESTHOLE & PERCOLATION DATA

- TH 07-1 - SHWT VERIFIED @ 108" (8930-3179)
- TH 07-2 - SHWT VERIFIED @ 108" (8930-3179)
- TH 09-1 - SHWT VERIFIED @ 120" (SUBDIVISION)
- TH 09-2 - SHWT VERIFIED @ 120" (SUBDIVISION)
- TH 09-3 - SHWT VERIFIED @ 144" (SUBDIVISION)
- TH 09-4 - SHWT VERIFIED @ 120" (SUBDIVISION)
- TH 09-5 - SHWT VERIFIED @ 120" (SUBDIVISION)
- TH 09-6 - SHWT VERIFIED @ 120" (SUBDIVISION)
- TH 09-7 - SHWT VERIFIED @ 120" (SUBDIVISION)
- TH 09-8 - SHWT VERIFIED @ 120" (SUBDIVISION)
- TH 09-9 - SHWT VERIFIED @ 120" (SUBDIVISION)



OWNER/APPLICANT:
 NEW KENT GROUP, LLC.
 36 GRANT WAY
 HOPE, RI 02831
 PHONE: 401-644-4323



PROPOSED CONDITIONS PLAN
 FOR
HOPE RIVER VILLAGE
A 55 AND OLDER COMMUNITY
 OWNER/APPLICANT: NEW KENT GROUP, LLC.
 36 GRANT WAY, HOPE, RI 02831 - PHONE: 401-644-4323
 BEING A.P. 10, LOT 9 LOT AREA = 22.38 ACRES
 LOCATED AT
 15 OLD HOPE KENT ROAD, SCITUATE, R.I.

Checked By: PUF
 Date: 3/22/2023

NO.	REVISION	DATE	BY
1.	PER RIDEM COMMENTS	9/2/23	PUF

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED: DEC 12 2023
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

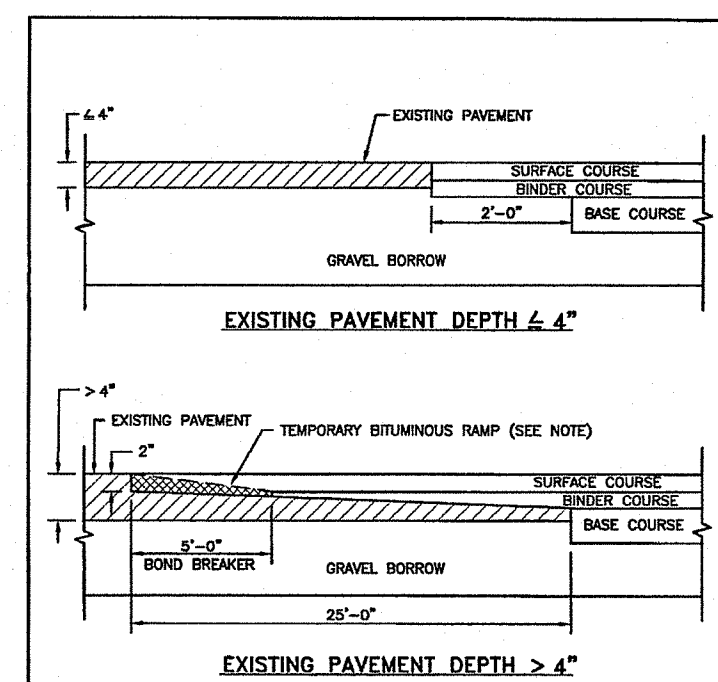
AMERICAN ENGINEERING, INC.
 Professional Engineering & Land Surveying
 400 South County Trail - Suite A 201
 Exeter, Rhode Island 02822
 DCofta@AmericanEngineeringRI.com
 Phone (401) 294-4080 / Fax (401) 294-3625

Sheet
 Ri Environmental Management
 SEP 25 2023
 Office of Water Resources
3
 of 6 sheets
 Drawing No. 107139

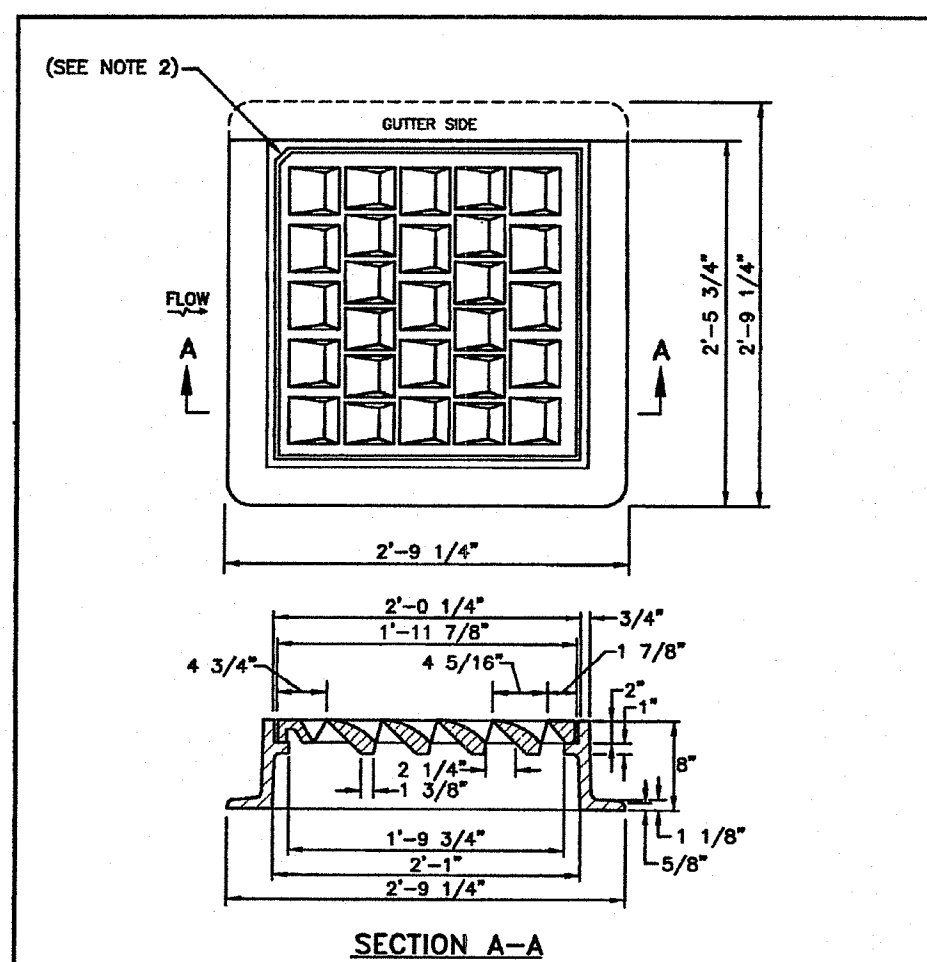
Structure Table	
Structure Name	Structure Details
CB 1	RIM = 232.12 SUMP = 225.95 1-2 INV OUT = 228.95
CB 2	RIM = 232.12 SUMP = 225.65 1-2 INV IN = 228.75 2-3 INV OUT = 228.65
CB 3	RIM = 230.75 SUMP = 224.14 2-3 INV IN = 227.39 3-4 INV OUT = 227.14
CB 4	RIM = 229.60 SUMP = 222.76 3-4 INV IN = 226.01 4-5 INV OUT = 225.76
CB 5	RIM = 229.60 SUMP = 222.26 4-5 INV IN = 225.36 5-MH1 INV OUT = 225.26
MH 1	RIM = 225.50 SUMP = 216.48 5-MH1 INV IN = 222.09 MH1-FE1 INV OUT = 217.48

NOTE
All Catch Basins and Stormdrains set above the Seasonal High Groundwater Table

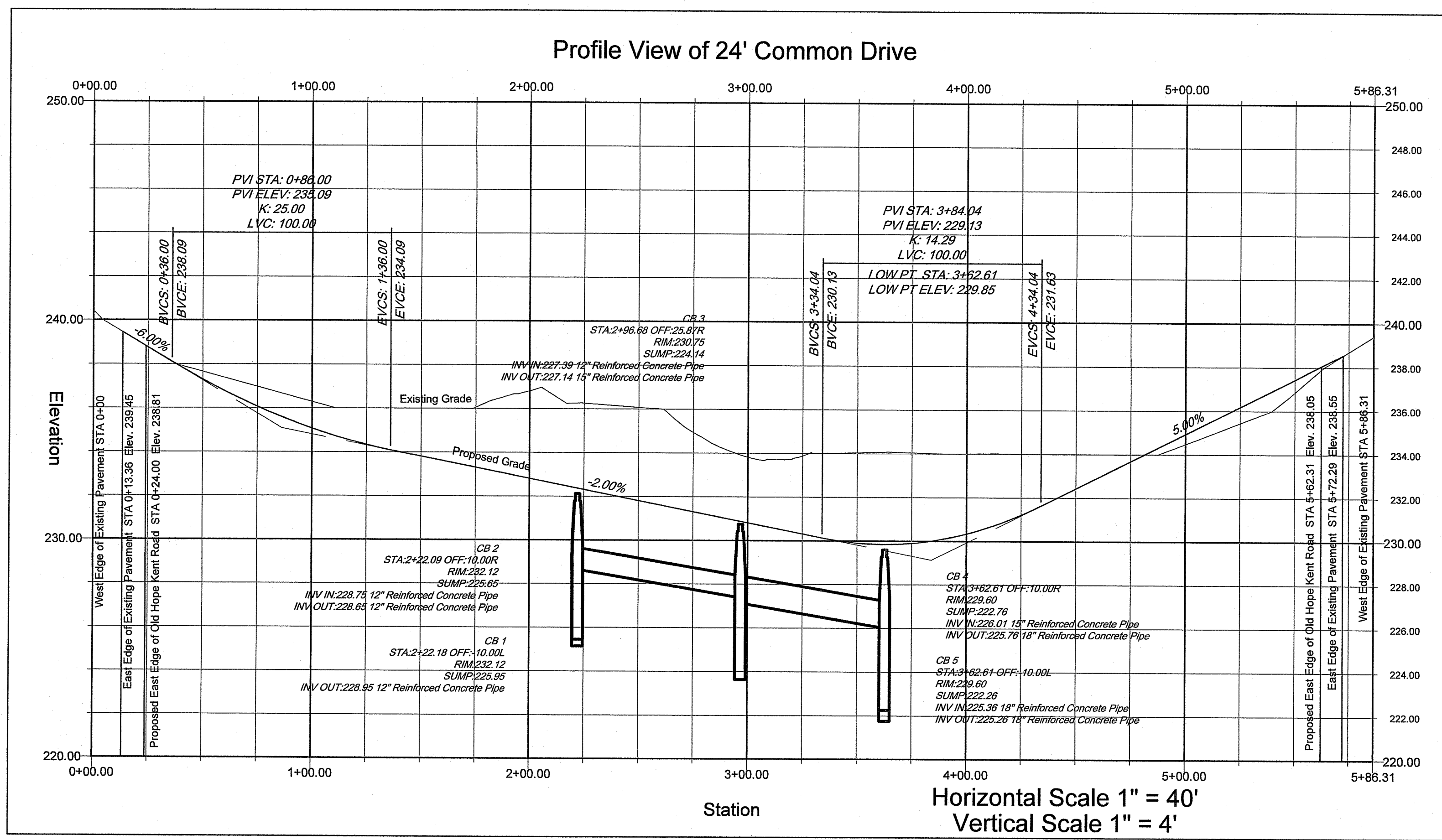
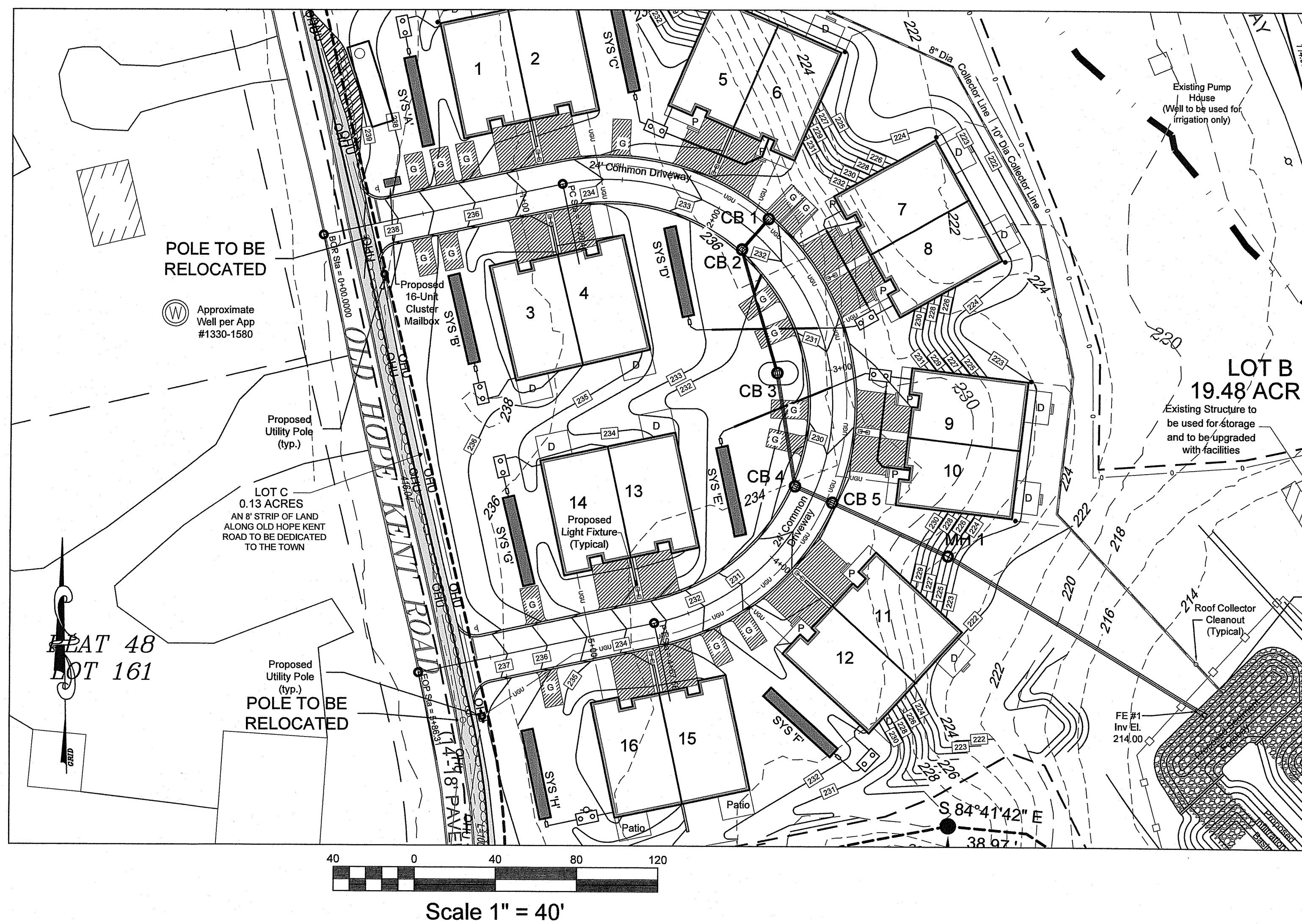
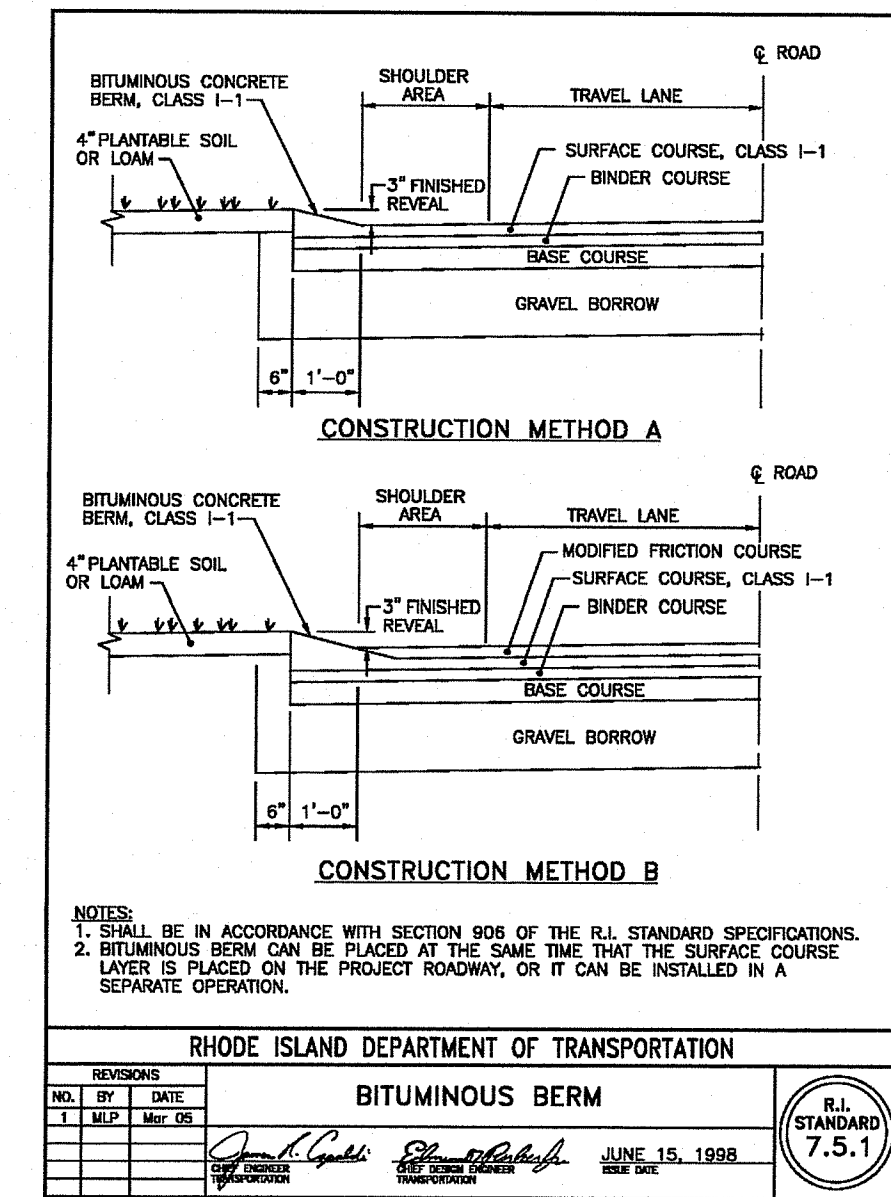
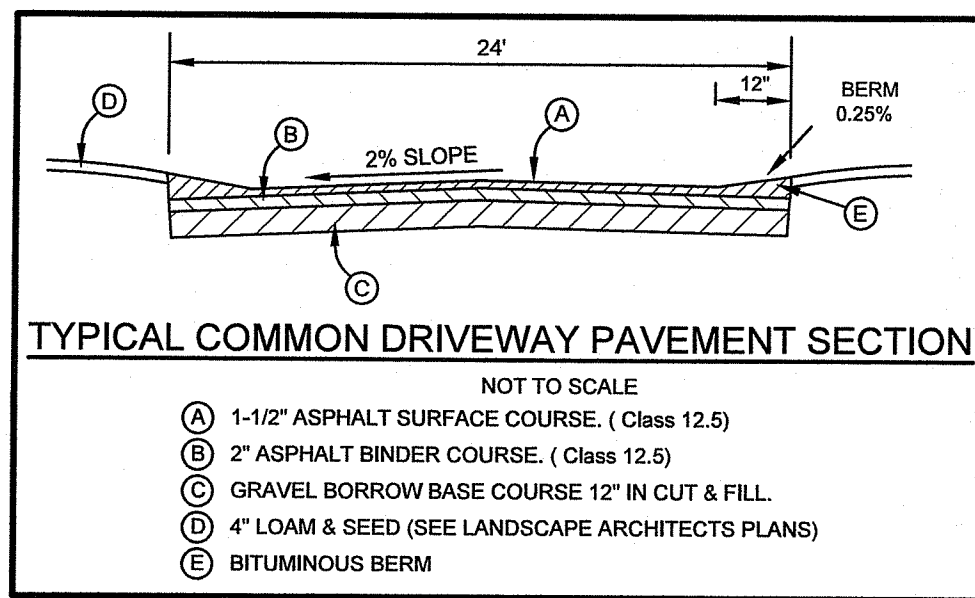
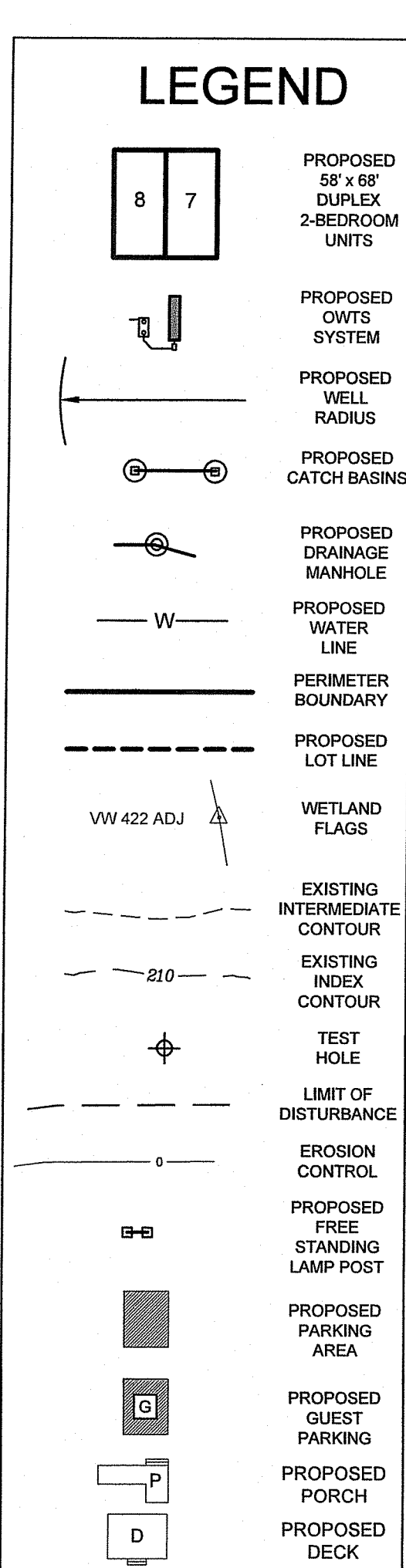
Pipe Table					
Pipe Name	Size	Length	Slope	Inv. In El.	Inv. Out El.
MH1-FE1	18"	143'	2.43%	217.48	214.00
1-2	12"	20'	1.00%	228.95	228.75
2-3	12"	63'	2.00%	228.65	227.39
3-4	15"	56'	2.00%	227.14	226.01
4-5	18"	20'	2.00%	225.76	225.36
5-MH1	18"	63'	5.02%	225.26	222.09



RHODE ISLAND DEPARTMENT OF TRANSPORTATION TRANSVERSE PAVEMENT CUT AND MATCH				
NO.	BY	DATE	REV.	DESCRIPTION
1	J.P.	06/15/1998		ISSUED FOR PERMIT



RHODE ISLAND DEPARTMENT OF TRANSPORTATION HIGH CAPACITY FRAME AND GRATE (BICYCLE SAFE)				
NO.	BY	DATE	REV.	DESCRIPTION
1	J.P.	06/15/1998		ISSUED FOR PERMIT



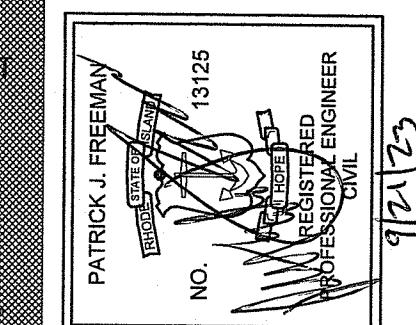
RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: DEC 12 2023 FILE # 23-0178
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

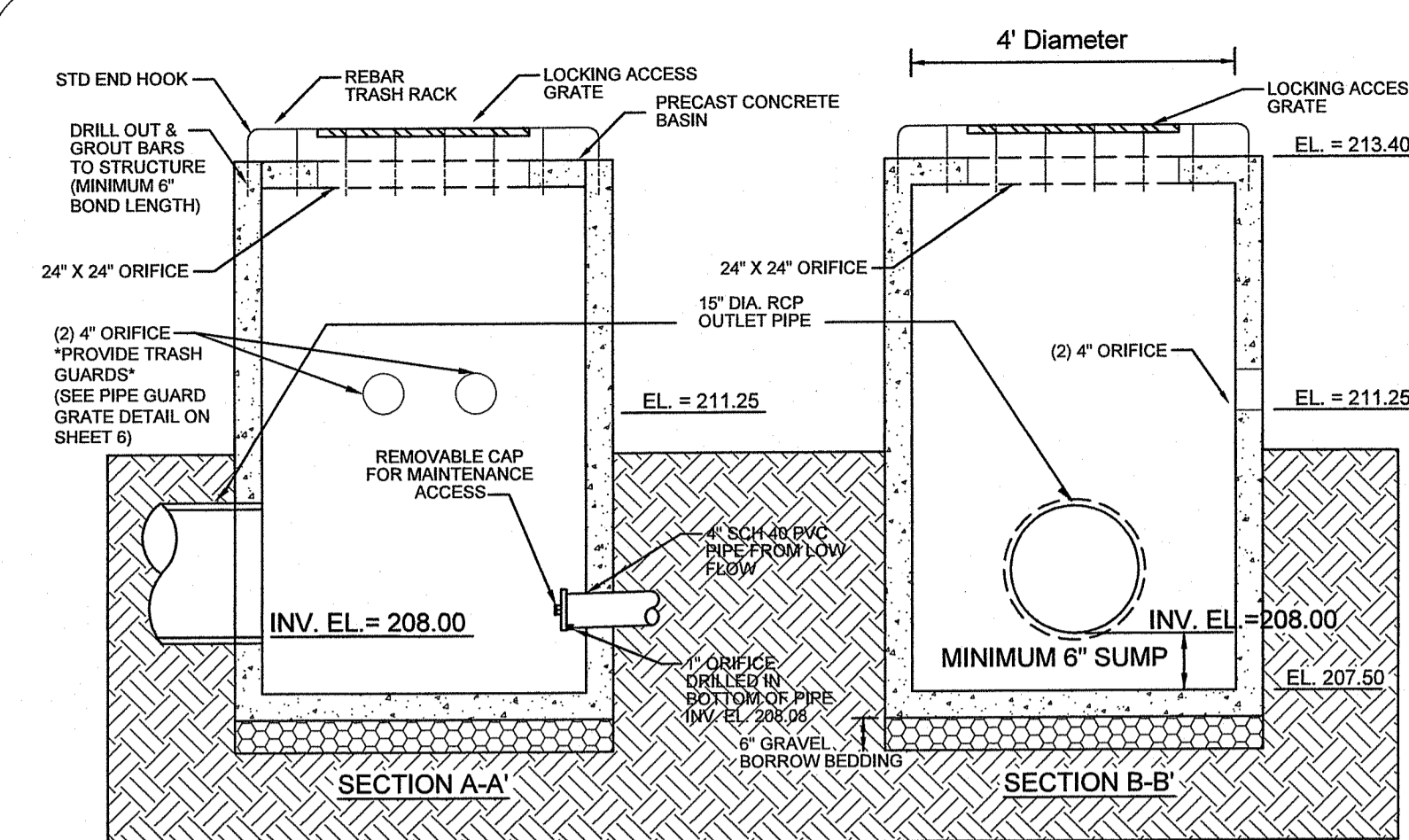
RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
NOTE PER DEM:
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

AMERICAN ENGINEERING, INC.
Professional Engineering & Land Surveying
400 South County Trail - Suite A 201
Exeter, Rhode Island 02822
DCofta@AmericanEngineeringRI.com
Phone (401) 294-4080 / Fax (401) 294-3625

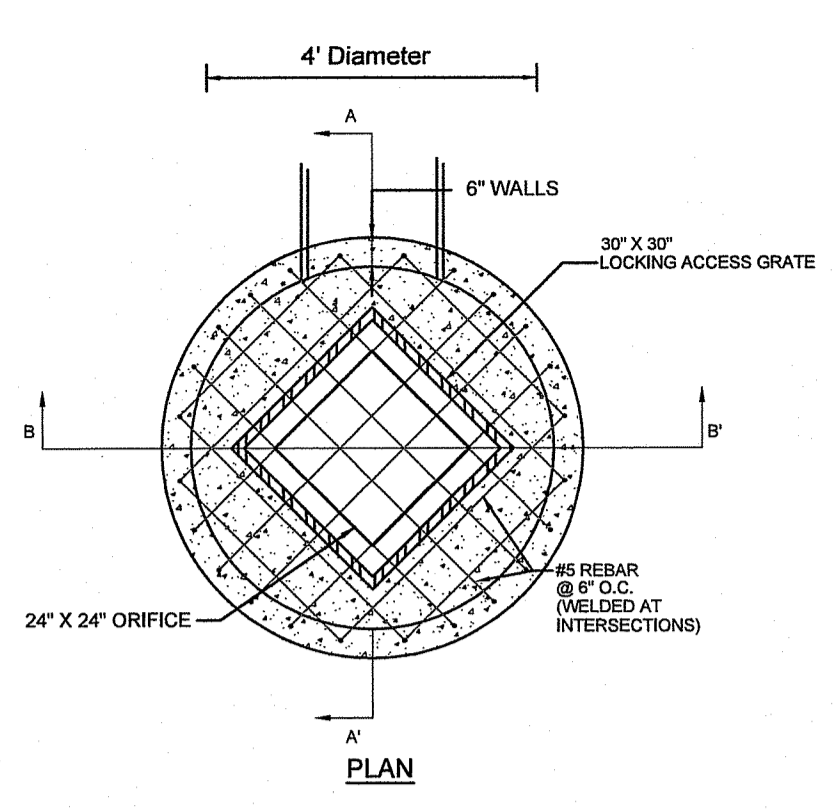
PROPOSED COMMON DRIVE PLAN & PROFILE
FOR
HOPE RIVER VILLAGE
A 55 AND OLDER COMMUNITY
OWNER/APPLICANT: NEW KENT GROUP, LLC.
36 GRANT WAY, HOPE, RI 02831 - PHONE: 401-644-4323
BEING A.P. 10, LOT 9 LOT AREA = 22.38 ACRES
LOCATED AT
15 OLD HOPE KENT ROAD, SCITUATE, R.I.

Checked By: P.J.F.		Date: 3/22/2023	
REVISIONS			
NO.	REVISION	BY	DATE
1.	PER HIDDEN COMMENTS	P.J.F.	3/21/23

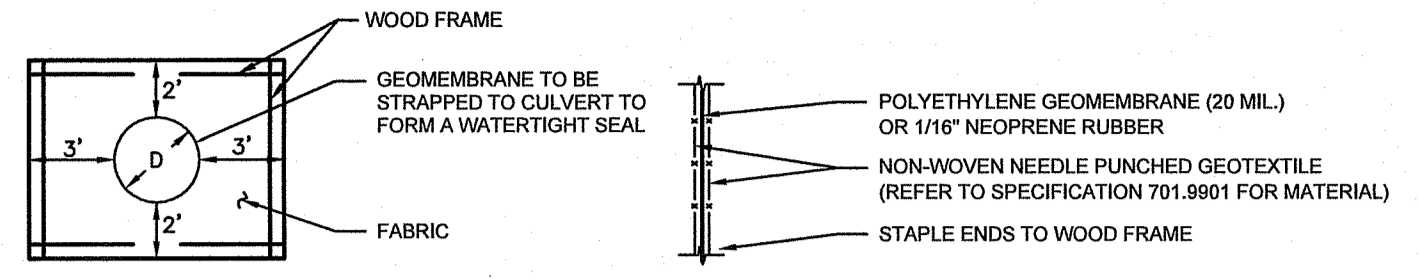




Drainage Structure #1: 4' Diameter Standpipe Weir
NOT TO SCALE

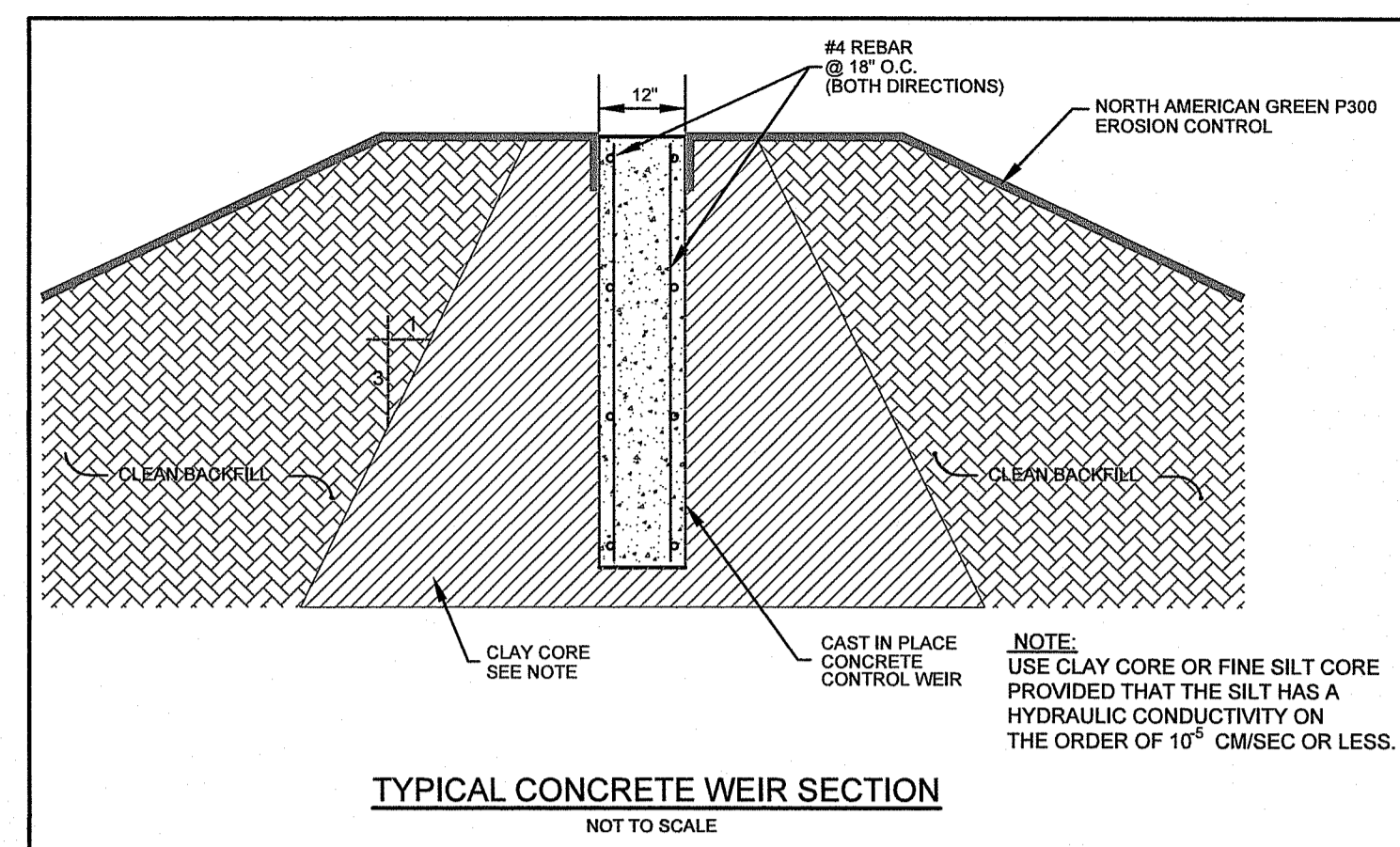


PLAN

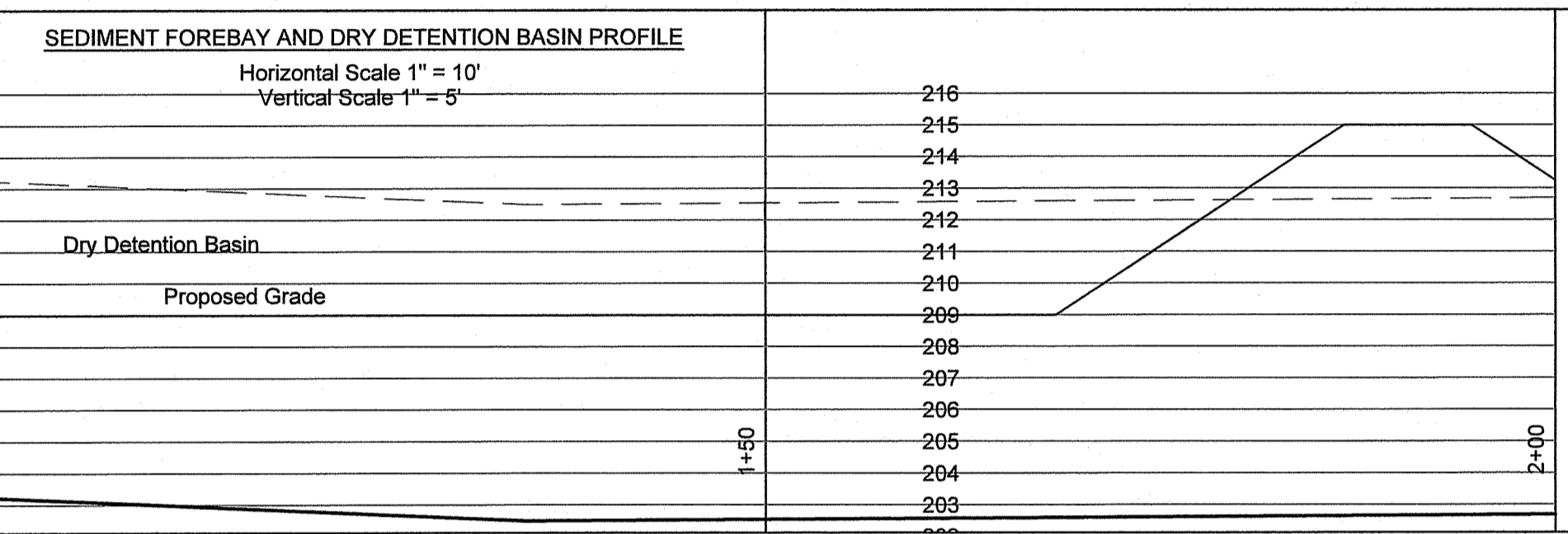
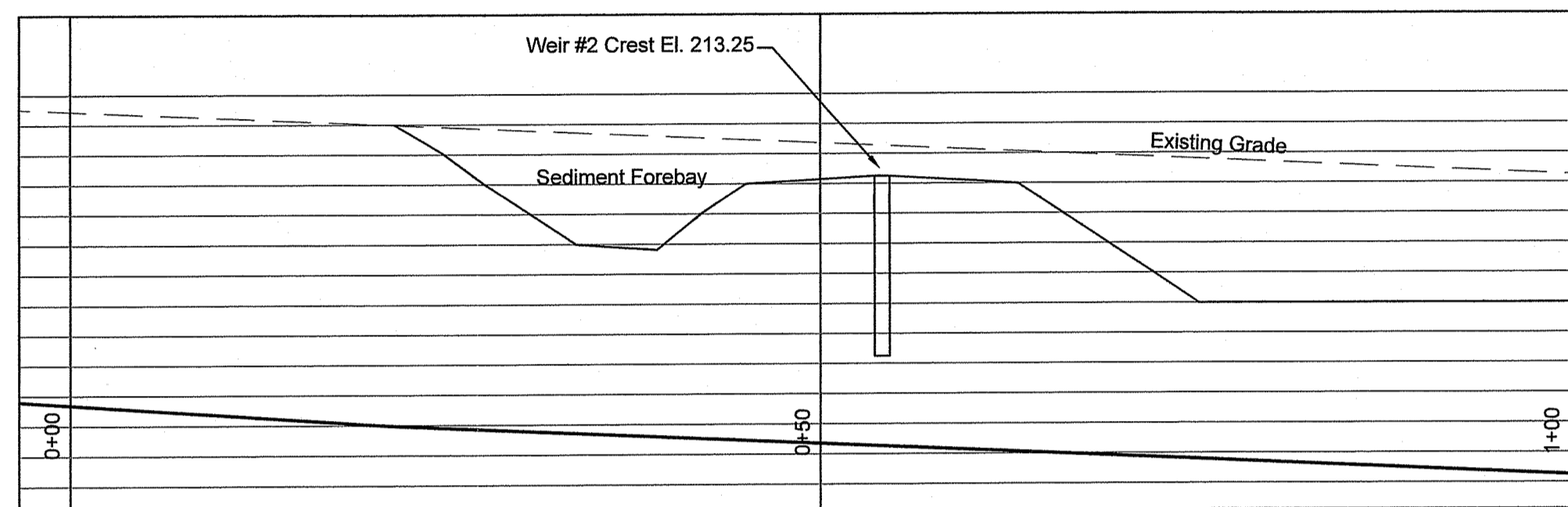


SECTION ANTI-SEEP COLLAR DETAILS NOT TO SCALE FABRIC DETAIL

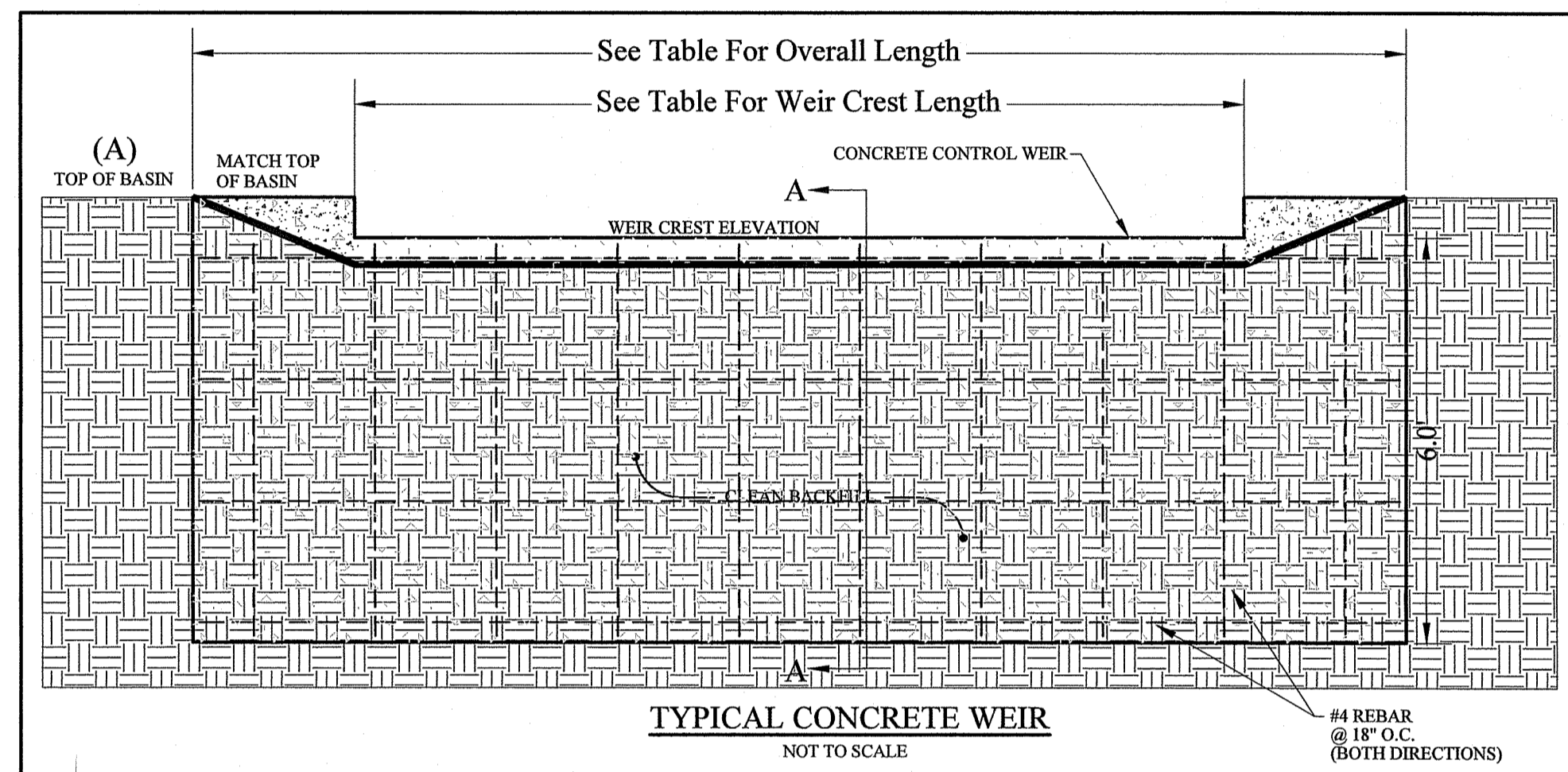
- NOTES:
1. ALL CULVERTS EXITING PROPOSED PONDS SHALL HAVE AN "ANTI-SEEP COLLAR" INSTALLED AT THEIR MID LENGTH.
 2. THE STRAP SHALL BE SUBJECT TO ENGINEER'S APPROVAL. THE STRAP MAY BE A POLYPROPYLENE CORD WITH A TENSILE STRENGTH OF 200 POUNDS AND SHALL PROVIDE A PERMANENT, NON-SLIP, TIE.



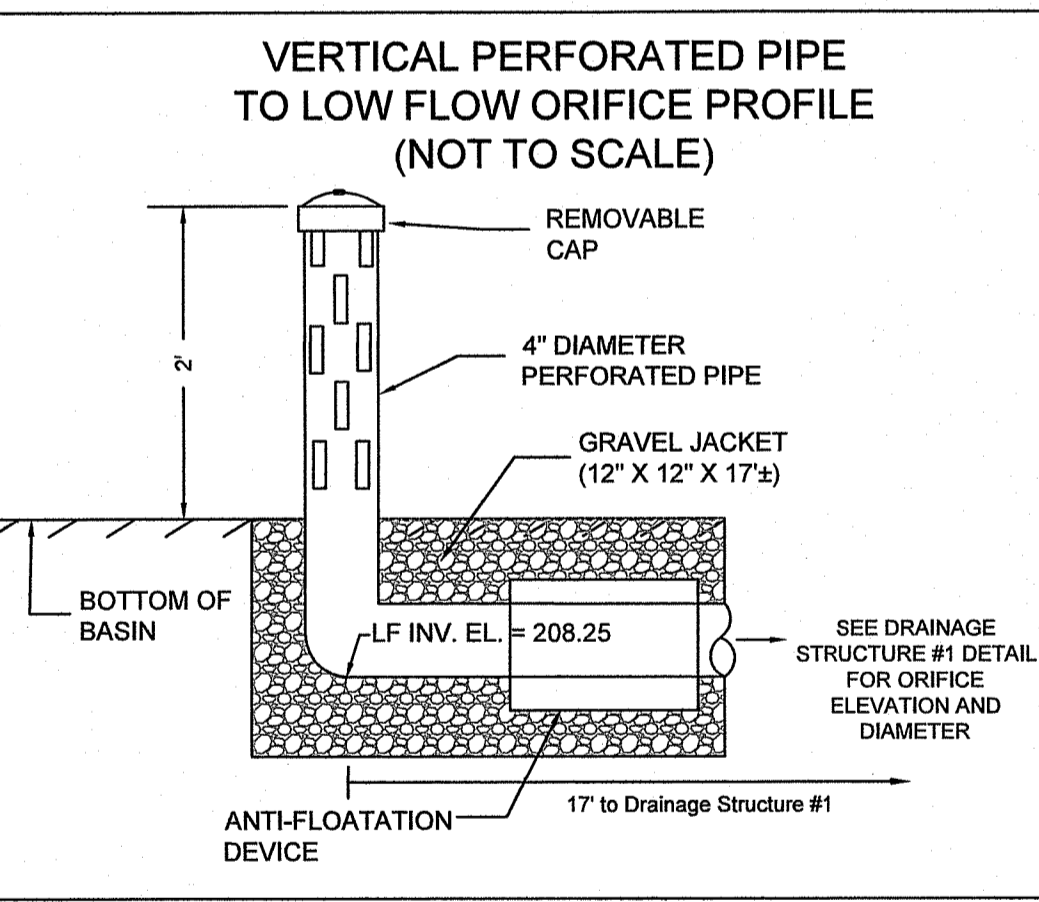
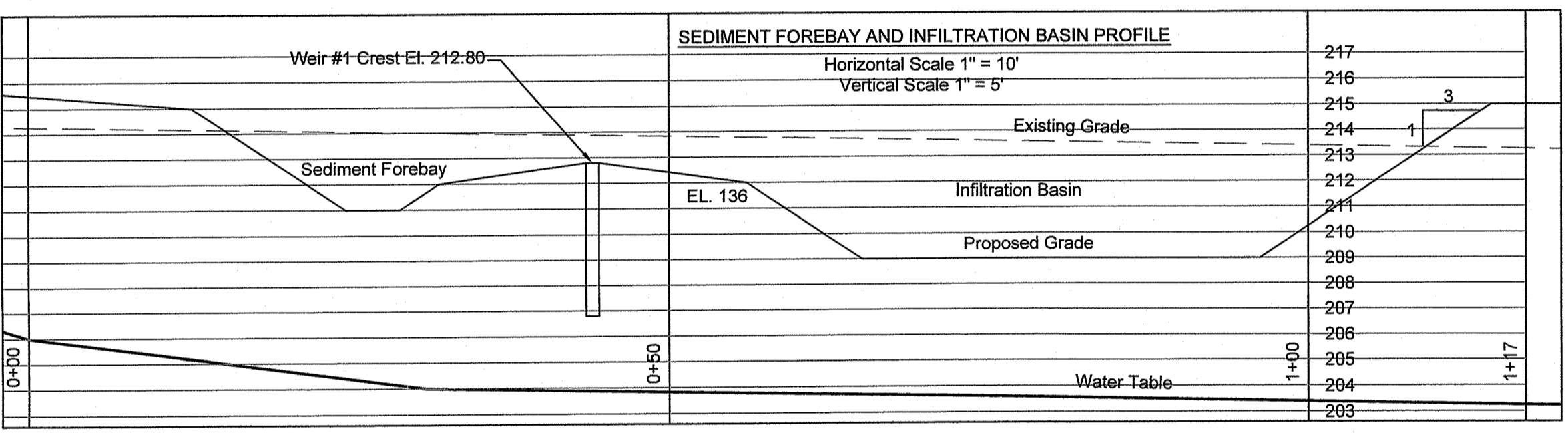
TYPICAL CONCRETE WEIR SECTION
NOT TO SCALE



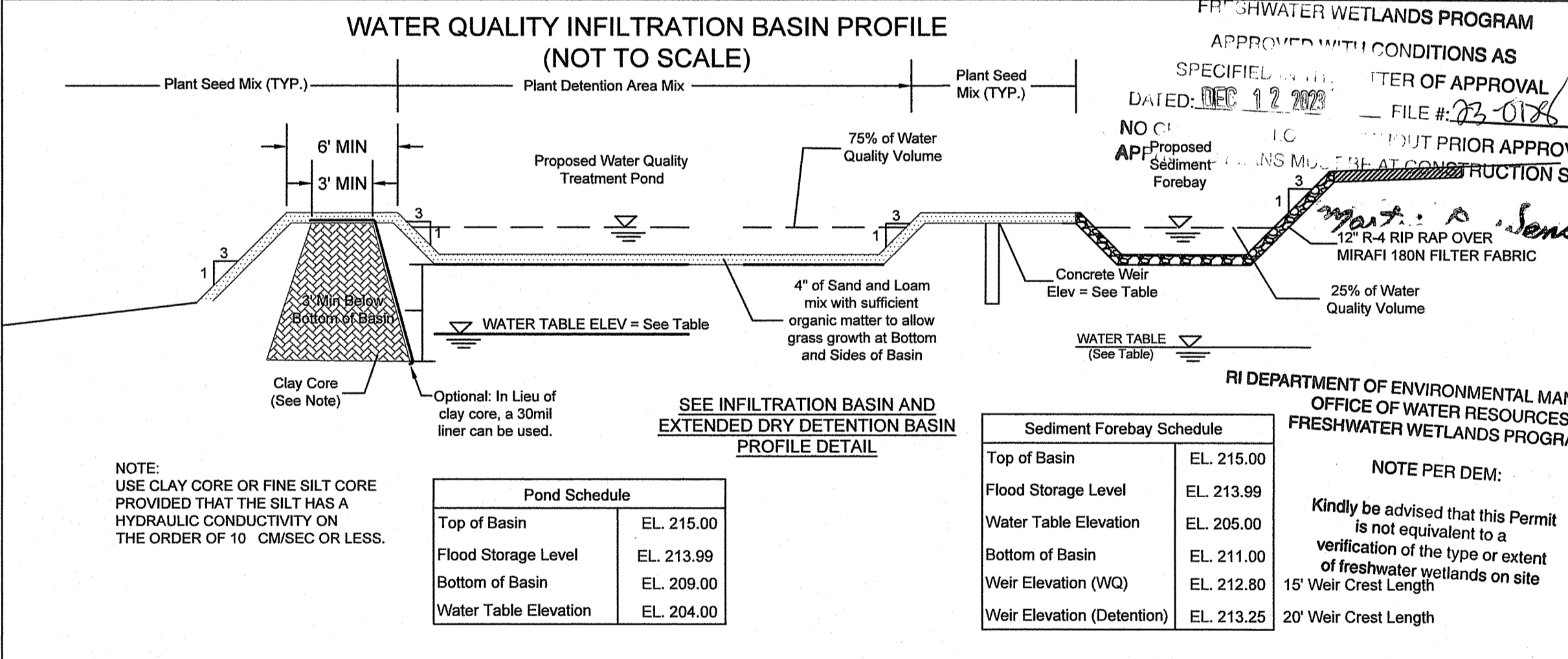
Concrete Weir ID	Overall Length	Weir Crest Length	Weir Crest Elev.	Top of Basin Elev.
#1 (F.B. - I.B.)	30'	15'	212.80	215.00
#2 (F.B. - Ex. Det.)	30'	20'	213.25	215.00



TYPICAL CONCRETE WEIR
NOT TO SCALE



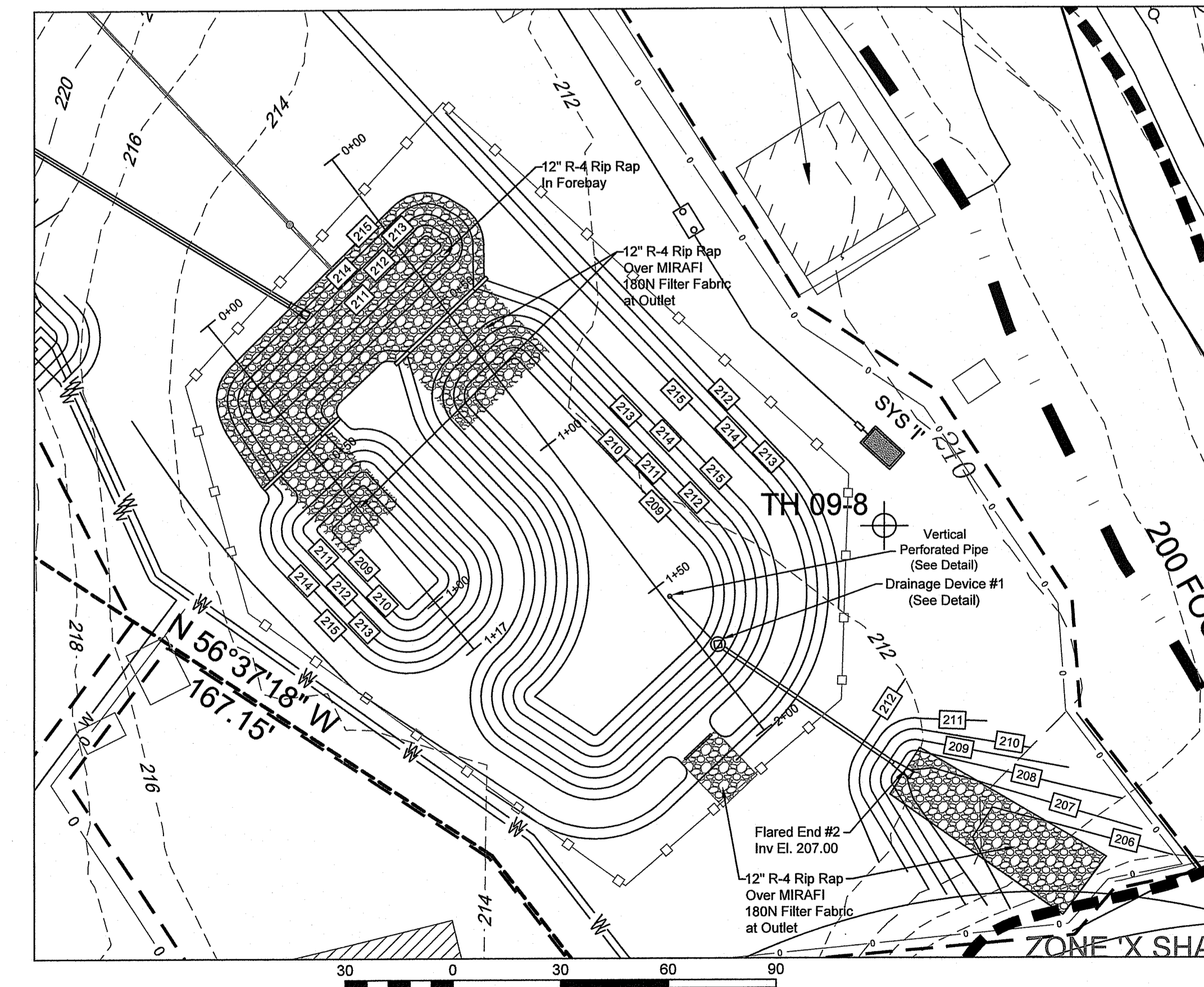
VERTICAL PERFORATED PIPE TO LOW FLOW ORIFICE PROFILE (NOT TO SCALE)



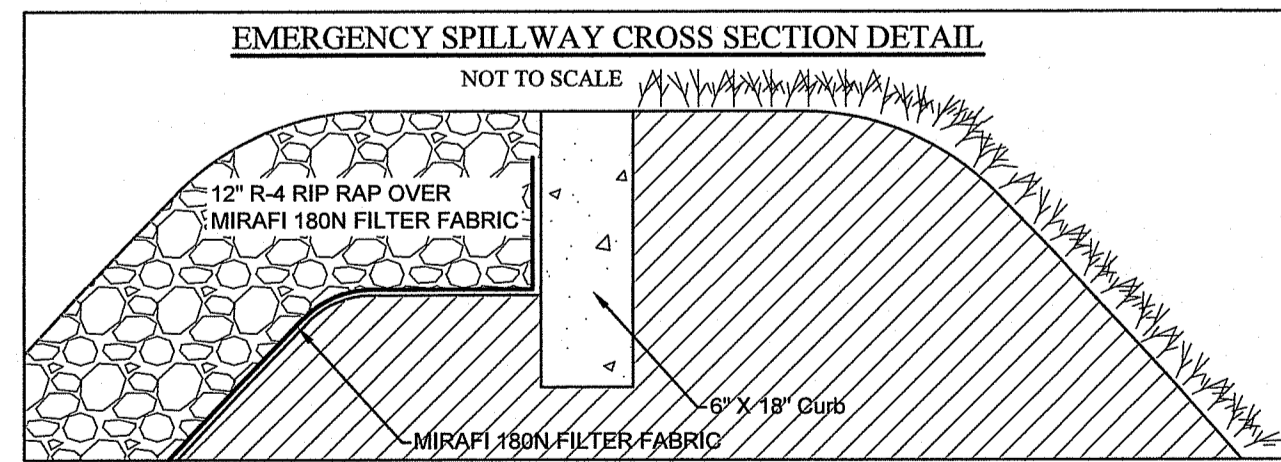
WATER QUALITY INFILTRATION BASIN PROFILE (NOT TO SCALE)

Pond Schedule	
Top of Basin	EL. 215.00
Flood Storage Level	EL. 213.99
Bottom of Basin	EL. 209.00
Water Table Elevation	EL. 204.00

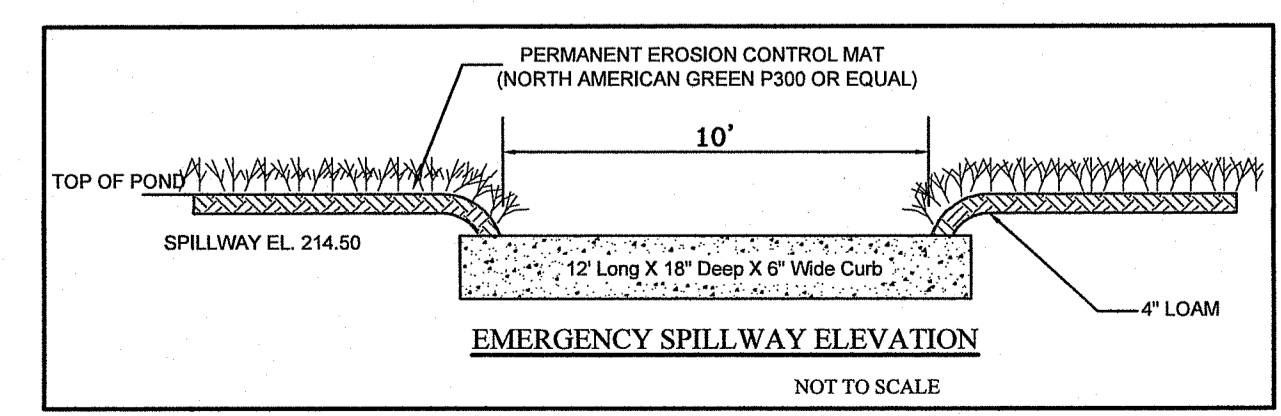
Sediment Forebay Schedule	
Top of Basin	EL. 215.00
Flood Storage Level	EL. 213.99
Water Table Elevation	EL. 205.00
Bottom of Basin	EL. 211.00
Weir Elevation (WQ)	EL. 212.80
Weir Elevation (Detention)	EL. 213.25



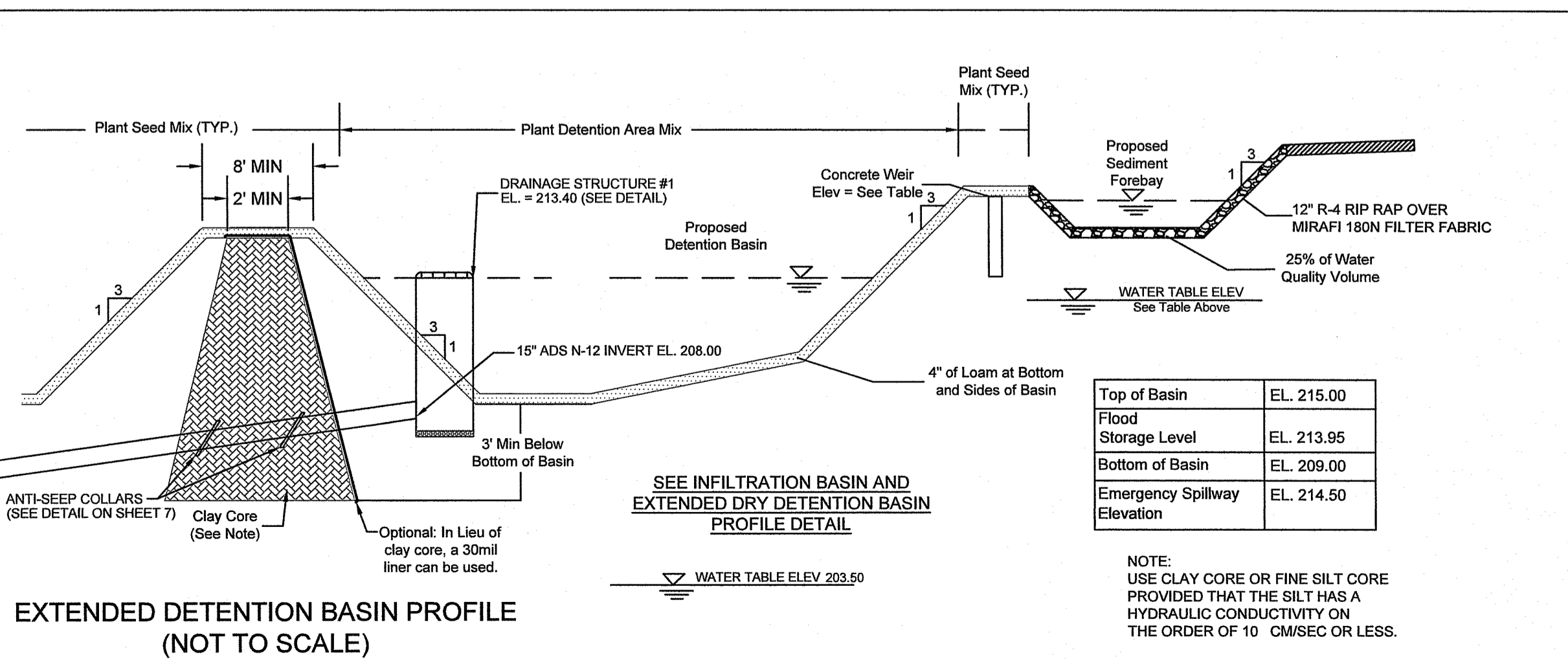
Scale 1" = 30'



EMERGENCY SPILLWAY CROSS SECTION DETAIL (NOT TO SCALE)



EMERGENCY SPILLWAY ELEVATION (NOT TO SCALE)



EXTENDED DETENTION BASIN PROFILE (NOT TO SCALE)

Pond Schedule	
Top of Basin	EL. 215.00
Flood Storage Level	EL. 213.95
Bottom of Basin	EL. 209.00
Emergency Spillway Elevation	EL. 214.50

NOTE: USE CLAY CORE OR FINE SILT CORE PROVIDED THAT THE SILT HAS A HYDRAULIC CONDUCTIVITY ON THE ORDER OF 10⁻³ CM/SEC OR LESS.

STORMWATER MANAGEMENT SYSTEM PLAN FOR
HOPE RIVER VILLAGE
A 55 AND OLDER COMMUNITY
OWNER/APPLICANT: NEW KENT GROUP, LLC.
36 GRANT WAY, HOPE, RI 02831 - PHONE: 401-644-4323
BEING A.P. 10, LOT 9 LOT AREA = 22.38 ACRES
LOCATED AT HOPE KENT ROAD, SCITUATE, R.I.

Drawn By: **MJC** Checked By: **PJF**
Scale: 1" = 40' Date: 3/22/2023

NO.	REVISION	DATE
1.	PER RIDER COMMENTS	3/21/23

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL DATED: 03/12/2023 FILE # 23-0176
NO CONSTRUCTION PRIOR APPROVAL
APPROVED FOR THE PROPOSED SEDIMENT FOREBAY AND EXTENDED DRY DETENTION BASIN CONSTRUCTION SITE
PATRICK J. FREEMAN 13125
REGISTERED PROFESSIONAL ENGINEER CIVIL
9/21/23

AMERICAN ENGINEERING, INC.
Professional Engineering & Land Surveying
400 South County Trail - Suite A 201
Exeter, Rhode Island 02822
DCofta@AmericanEngineeringRI.com
Phone (401) 294-4090 / Fax (401) 294-3625

MAINTENANCE AND RESPONSIBILITY

- THE CONSTRUCTION SUPERINTENDENT SHALL HAVE THE SOLE RESPONSIBILITY FOR THE DESIGN IMPLEMENTATION. THEY SHALL ALSO BE RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION WORKERS AND SUB-CONTRACTORS ARE AWARE OF THE PROVISIONS OF THE PLAN AND THE ENGINEER'S REPORT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ASPECTS OF THE DESIGN PRIOR TO FINAL APPROVAL BY THE TOWN. DURING THAT TIME, ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHOULD BE CHECKED ON A WEEKLY BASIS AS WELL AS AFTER EACH SIGNIFICANT RAINFALL. ALL SUCH MEASURES SHOULD BE CLEANED OR REPLACED AS NECESSARY.
- REPLANTING, REGRADING OR OTHER REPAIRS NEEDED AS A RESULT OF EROSION AND SEDIMENTATION SHOULD BE DONE PROMPTLY.
- ALL VEGETATION NOT SURVIVING AT LEAST ONE FULL GROWING SEASON SHALL BE REPLACED AT THE OWNERS EXPENSE.
- UPON PROJECT COMPLETION, THE PROPERTY OWNER SHALL ADHERE TO THE FOLLOWING MAINTENANCE RECOMMENDATIONS:

- A. MOWING:**
- THE MOWING OF GRASS IN AND AROUND THE BASIN SHOULD BE DONE AT LEAST ONCE PER GROWING SEASON, PREFERABLY AFTER AUGUST 15 TO PROTECT GROUND NESTING BIRDS AND OTHER ANIMALS. MORE FREQUENT MOWINGS WILL BE REQUIRED FOR BASINS MAINTAINED AS RECREATIONAL OR OPEN SPACE FACILITIES. TRASH AND LITTER MUST BE REMOVED DURING MOWING OPERATIONS.

- B. INSPECTIONS:**
- THE STRUCTURAL INTEGRITY OF THE BASIN, ESPECIALLY ANY IMPOUNDING STRUCTURES, SHOULD BE INSPECTED ON AN ANNUAL BASIS. IN ADDITION, THE INLETS FOR THE BASIN SHOULD ALSO BE INSPECTED ANNUALLY. ANY DEFICIENCIES MUST BE CORRECTED IMMEDIATELY AFTER OBSERVATION. THE BASIN AND ALL STRUCTURES SHOULD BE INSPECTED MORE OFTEN DURING THE FIRST YEAR OF OPERATION, ESPECIALLY AFTER LARGE STORMS, TO ENSURE PROPER STABILIZATION AND FUNCTION.
 - EMBANKMENT SUBSIDENCE
 - EROSION
 - CRACKING
 - TREE GROWTH
 - OUTLET & SPILLWAY CONDITION
 - SEDIMENT ACCUMULATION

ANY DEFICIENCY NOTED DURING THE INSPECTION WILL BE IMMEDIATELY REPAIRED OR REPLACED. IF ENCOUNTERED, TRASH, DEBRIS, ETC. SHOULD BE REMOVED FROM THE DRAINAGE SYSTEM AT LEAST TWICE A YEAR. RESEEDING OF ANY ERODED OR BARE SPOTS IN OR AROUND THE BASIN MUST BE DONE IMMEDIATELY FOLLOWING EXAMINATIONS TO PREVENT SUBSEQUENT SOIL EROSION, MAINTAINING A FULLY VEGETATED BASIN WITH HEALTHY GRASS IS PARAMOUNT TO A SUCCESSFULLY OPERATING FACILITY.

- C. SEDIMENT REMOVAL:**
- FOLLOWING CONSTRUCTION, THE PONDS, BASINS, AND DRAINAGE SYSTEMS ARE TO BE CLEANED OF ACCUMULATED SEDIMENT PRIOR TO ACCEPTANCE BY THE TOWN AND THEN ONCE EVERY TWO YEARS. THE RESULTING POND CONDITION AFTER SEDIMENT REMOVAL MUST BE THE ORIGINAL DESIGN CONDITIONS.
 - ALL REMOVED SEDIMENT IS TO BE TESTED TO DETERMINE POLLUTANT CONTENT. THE SEDIMENT IS TO BE PROPERLY DISPOSED IN UPLAND AREAS BASED UPON THE TEST RESULTS AND LOCAL, STATE AND FEDERAL REGULATIONS.

- D. CATCH BASINS, MANHOLES AND DRAIN LINES:**
- AN INSPECTION MUST OCCUR ON AN ANNUAL BASIS BY QUALIFIED PERSONNEL TO ENSURE PROPER OPERATION.
 - THE INSPECTION SHOULD, AS A MINIMUM, CONCENTRATE ON THE FOLLOWING:
 - DAMAGE TO GRATE/COVER
 - EVIDENCE OF STANDING WATER
 - DEBRIS REMOVAL
 - STRUCTURAL ALIGNMENT/INTEGRITY
 - ANY DEFICIENCY NOTED DURING THE INSPECTION WILL BE IMMEDIATELY REPAIRED OR REPLACED.

GENERAL NOTES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY AND ALL PERMITS REQUIRED BY THE STATE OF RHODE ISLAND AND THE MUNICIPALITY PRIOR TO COMMENCING ANY WORK.
- IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF ALL EXISTING UTILITIES, STRUCTURES, AND ADJUTING PROPERTIES. THE COST OF ANY REPAIR OR REPLACEMENT OF DAMAGED ITEMS SHALL BE BORNE BY THE CONTRACTOR.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE MUNICIPAL ENGINEERING DEPARTMENT AND ALL UTILITY INSTALLATIONS AND INSPECTIONS WITH THE APPROPRIATE UTILITY CO. A 48 HOUR ADVANCE NOTICE IS REQUIRED BEFORE WORK COMMENCEMENT.
- ALL WORK WITHIN THE STATES ROADWAY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2013 AMENDED AUGUST 2013 AND STANDARD DETAILS, JUNE 15, 1998 AS AMENDED BY REVISION.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR QUANTITY TAKE OFF IN COMPLETING ANY EMBANKMENT AREAS TO RECEIVE 4" OF TOPSOIL AND SEED. SEE EROSION CONTROL PROGRAM DETAILS.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION INDICATED ON THESE PLANS. THAT INCLUDES ANY CONSTRUCTION TO BRING UTILITIES TO THE SITE, ANY REPAIRS, ANY TRENCHING REQUIRED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND SOIL EROSION CONTROL MEASURES.
- THE LOCATION OF EXISTING UTILITIES AS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED BY THE APPROPRIATE UTILITY COMPANIES. CALL DIG-SAFE (800)225-4977
- IN ALL EXCAVATION AND PLACEMENT OF FILL THE CONTRACTOR SHALL PERFORM THE WORK IN FULL COMPLIANCE WITH THE R.I. STANDARD SPECIFICATION SECTION 202.

GENERAL BASIN NOTES

- THE DETENTION BASIN SHALL BE MAINTAINED ACCORDING TO THE FOLLOWING SCHEDULE:
- ALL TREES, SHRUBS AND STUMPS SHOULD BE REMOVED FROM THE SPILLWAY (BERM) SIDE OF THE BASIN.
- TREES OR SHRUBS SHOULD NOT BE PLANTED ON ANY IMPOUNDING EMBANKMENTS (i.e. DIKES OR BERMS) OR WITHIN THE BASIN. SUCH PLANTINGS ARE GENERALLY DISCOURAGED IN ORDER TO REDUCE THE CHANCE OF FAILURE DUE TO ROOT DECAY AND SUBSURFACE DISTURBANCE. GRASSES ARE CONSIDERED THE ONLY ACCEPTABLE VEGETATION FOR PLANTING AND STABILIZING IMPOUNDING EMBANKMENTS.
- THE ENTIRE BASIN MUST BE STABILIZED WITH A DENSE LAYER OF GRASS IMMEDIATELY FOLLOWING BASIN CONSTRUCTION. THIS MAY REQUIRE THE ADDITION OF 4-6 INCHES OF A LOAMY SOIL SUBSTRATE TO PROMOTE GOOD VEGETATIVE GROWTH AND INFILTRATION. THE ADDITION OF LOAMY SOIL TO THE BASIN MUST BE FACTORED INTO THE OVERALL VOLUME REQUIREMENT. THE BASIN SHALL BE SEEDED WITH TURF-TYPE TALL FESCUES OR SIMILAR.
- THE DETENTION BASINS SHALL ALSO BE UTILIZED AS TEMPORARY BASINS DURING CONSTRUCTION. THESE BASINS SHALL THEN BE ENTIRELY CLEANED OF SEDIMENT AND THE BOTTOM SCARIFIED PRIOR TO SEEDING AND VEGETATION STABILIZATION. FAILURE TO DO SO WILL ALLOW EXCESSIVE QUANTITIES OF SEDIMENTS TO REMAIN IN THE BASINS AND WILL NECESSITATE MORE FREQUENT CLEANING OF THE DRAINAGE SYSTEM.
- THE MAXIMUM ALLOWABLE SLOPE LEADING TO THE BASIN FLOOR SHALL BE 3:1 (HORIZONTAL TO 1 VERTICAL) TO FACILITATE MOWING AND OTHER MAINTENANCE OPERATIONS.
- CONCRETE FOR OUTLET WEIR SHALL BE CLASS 'A' 3000 PSI. ALL EXPOSED EDGES SHALL HAVE 3/4" CHAMFERS. REINFORCING STEEL SHALL BE GRADE 60.

DETENTION BASIN MAINTENANCE PLAN

- THE DETENTION BASIN SHALL BE MAINTAINED ACCORDING TO THE FOLLOWING SCHEDULE:
- THE GRASS ON THE DETENTION BASIN (DIKE & SLOPES) SHALL BE MOVED ONCE BETWEEN THE MONTHS OF MAY AND OCTOBER. MOVED HEIGHT OF VEGETATION SHALL NOT BE LESS THAN TWO INCHES.
- THE INLET & OUTLET PIPES TO THE DETENTION BASIN SHALL BE KEPT CLEAN OF SILT AND DEBRIS. THE PIPES SHALL BE CLEANED ANNUALLY.
- ACCUMULATED SILT AND DEBRIS SHALL BE REMOVED FROM THE BASIN ANNUALLY, PREFERABLE AT THE TIME OF MOWING.
- ACCUMULATED SILT, SAND AND DEBRIS SHALL BE REMOVED FROM CATCH BASIN SUMPS AS REQUIRED BUT AT A MINIMUM OF ONCE PER YEAR.
- ALL SILT, SAND AND DEBRIS REMOVED FROM THE BASINS SHALL BE DISPOSED OF OFF-SITE. DISPOSAL LOCATION SHALL BE PRE-APPROVED BY RIDEM OR THE MUNICIPALITY.
- DETENTION BASINS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL APPROVAL OF CONSTRUCTION.

EROSION CONTROL & SOIL STABILIZATION PROGRAM

- UNDISTURBED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
- ALL DISTURBED SLOPES EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 15, SHALL BE SEEDED OR PROTECTED BY THAT DATE FOR ANY WORK COMPLETED DURING EXISTING CONSTRUCTION PERIODS.
- THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS, AND SHALL CONFORM WITH R.I. STANDARD SPECIFICATION M. 20.
- THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR THE FOLLOWING:
- THE DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING: PERMANENT SEEDING MIXTURES: A - MOVED AREA: ALL FLAT OR SLOPES LESS THAN 1:1

MIXTURE	% BY WT.	SEEDING DATES
RED FESCUE	75	APRIL 1 - JUNE 15
KENTUCKY BLUEGRASS	15	AUG. 15 - OCT. 15
COLONIAL BENTGRASS	5	
PERENNIAL RYEGRASS	5	
BIRDSFOOT TREFOIL	15	
TOTAL 100%WACRE		

- TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS MAT OR FIBER LINING (BURJAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS ORDERED BY THE ENGINEER.
- HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 3000-4000 LBS./AC.
- ALL HAYBALES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING CAN BE USED TO HELP MAINTAIN EROSION. A TEMPORARY SEEDING GUIDE MUST BE INCLUDED AS A REFERENCE. THE FOLLOWING SPECIES ARE RECOMMENDED:

SEDIMENTATION CONTROL PROGRAM

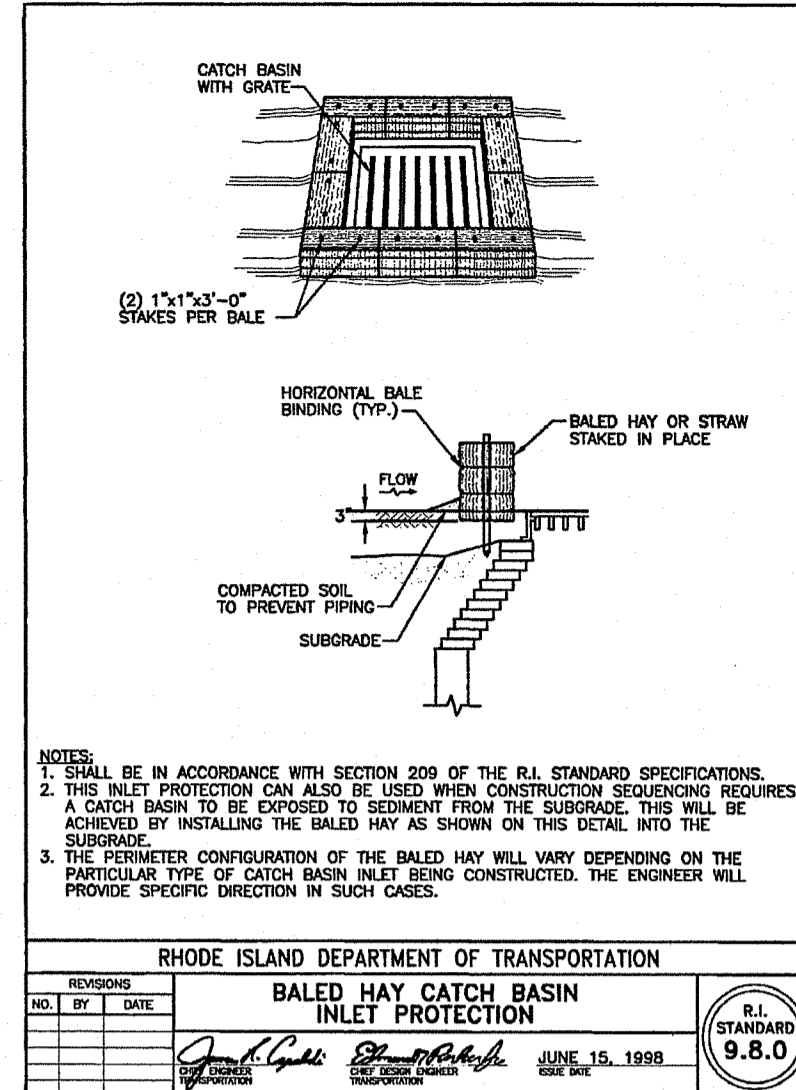
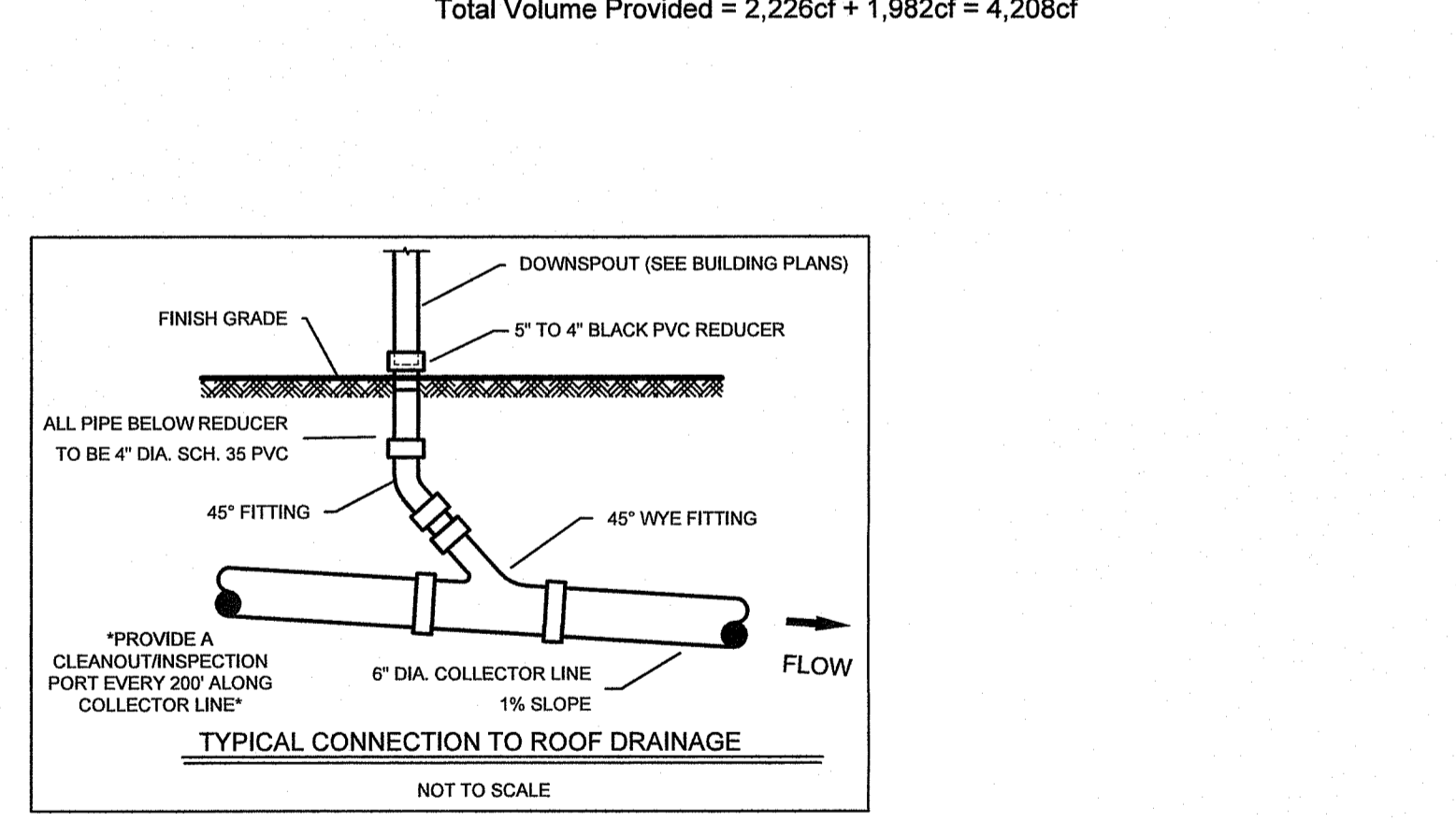
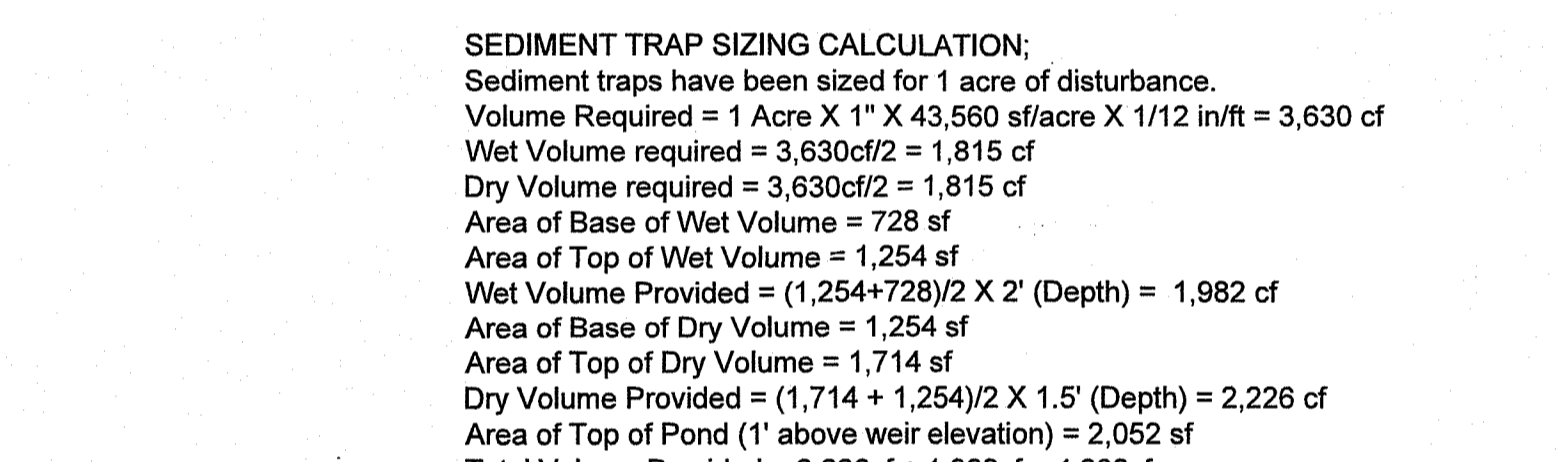
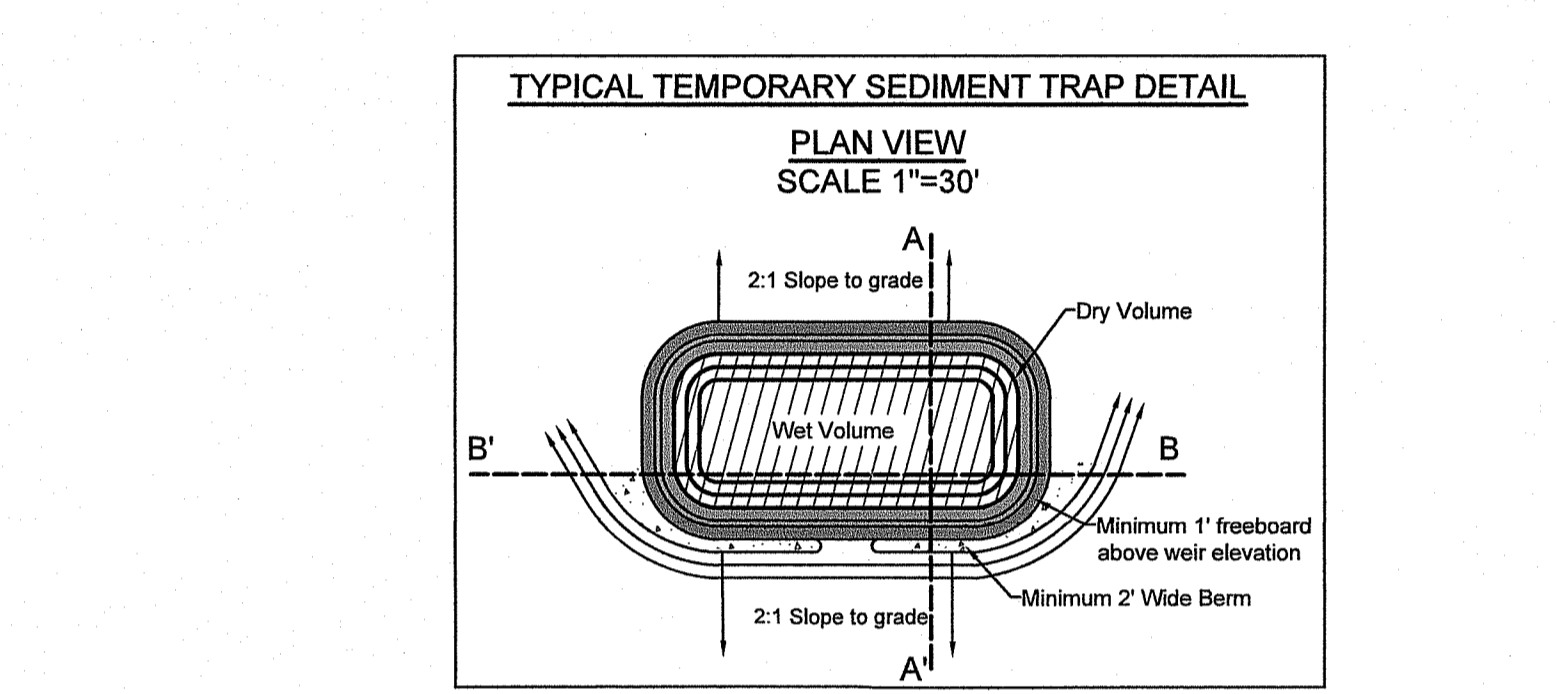
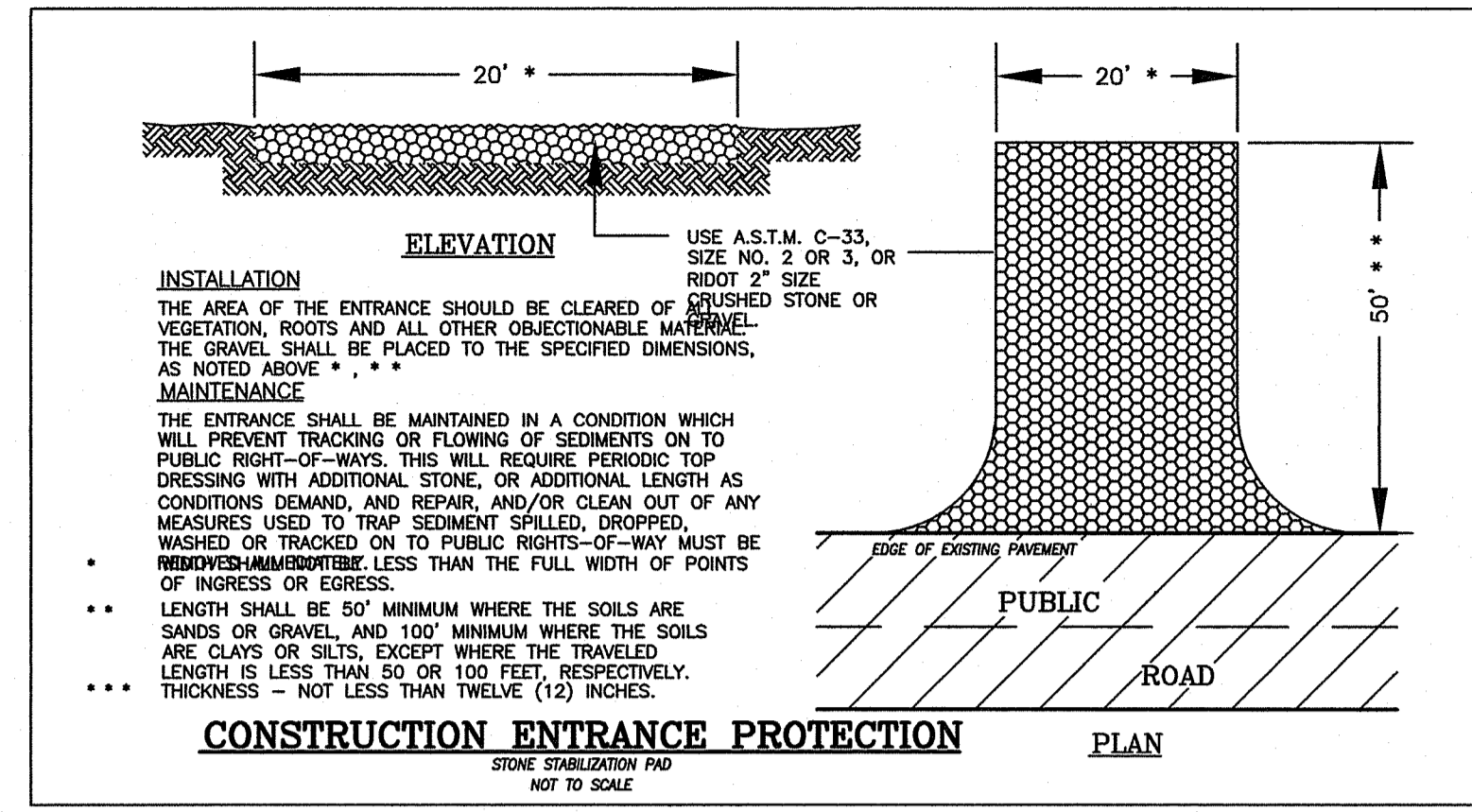
- ALL DISTURBED AREAS SUBJECT TO EROSION TENDENCIES WHETHER THEY ARE NEWLY FILLED OR EXCAVATED SHALL RECEIVE SUITABLE SOLE PROTECTION.
- DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
- CARE SHALL BE TAKEN SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING EITHER EXISTING OR PROPOSED DRAINAGE OR SEWER STRUCTURES.
- SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED REGULARLY AND AFTER PERIODS OF RAINFALL. SUCH DEVICES SHALL BE REPAIRED OR REPLACED AS NEEDED.
- CARE SHALL BE TAKEN SO AS NOT TO PLACE "REMOVED SEDIMENTS" WITHIN THE PATH OF EXISTING, NEWLY CREATED (BOTH TEMPORARY AND PERMANENT) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECT TO STORM WATER FLOW.
- ADDITIONAL HAYBALES, SILT FENCE OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.
- REFERENCE THE "RHODE ISLAND EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE U.S. DEPT. OF AGRICULTURE, SOIL CONSERVATION SERVICE, 1989, WITH ANY AMENDMENTS AS A GUIDE.

ORDER OF PROCEDURE

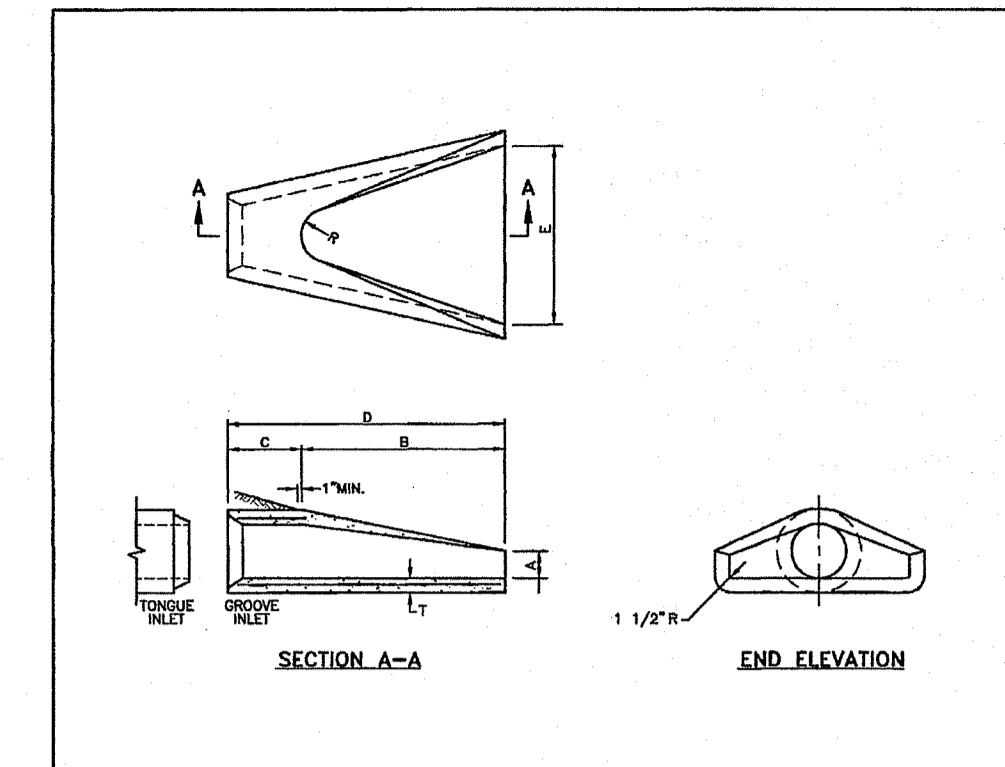
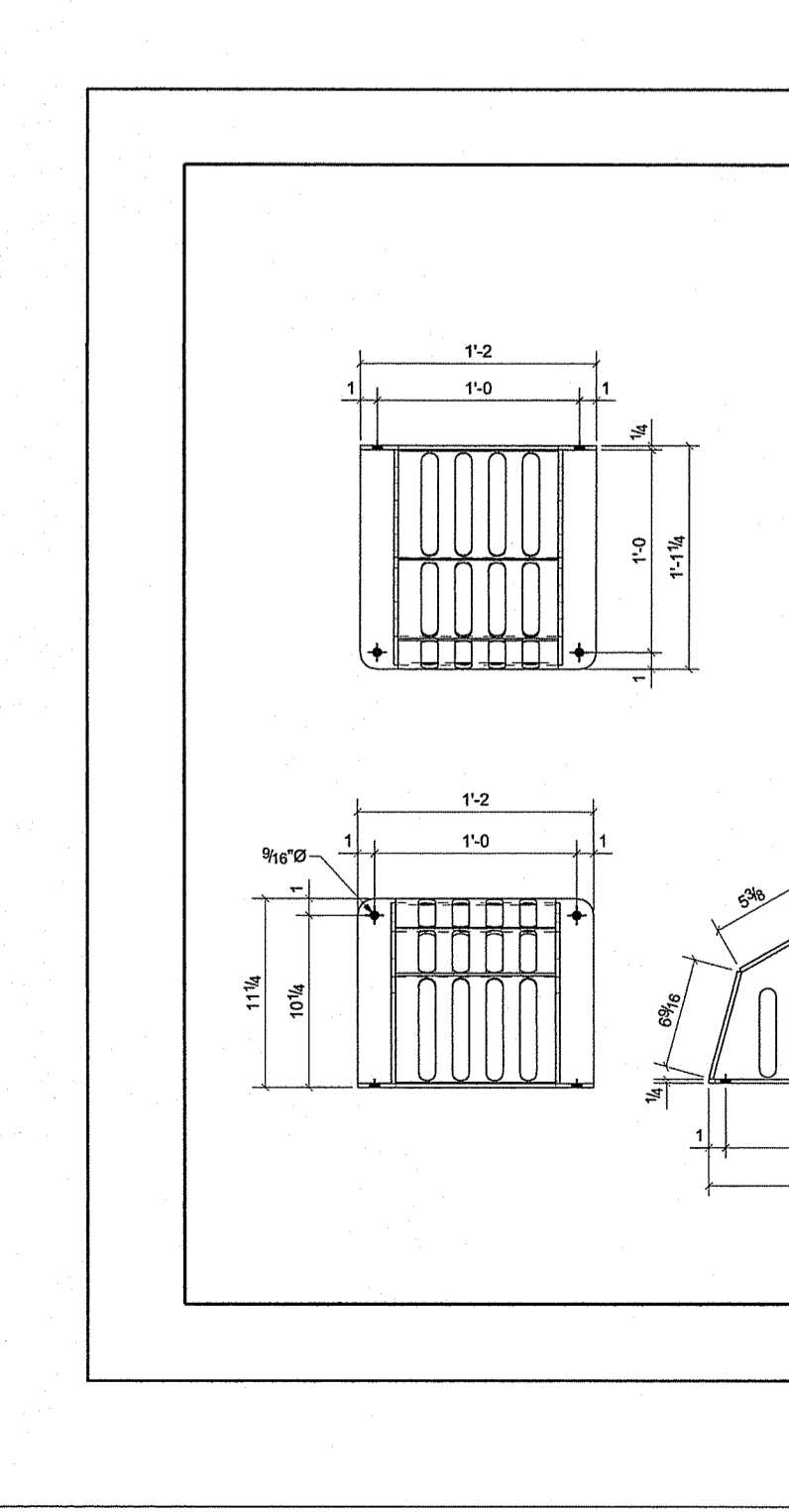
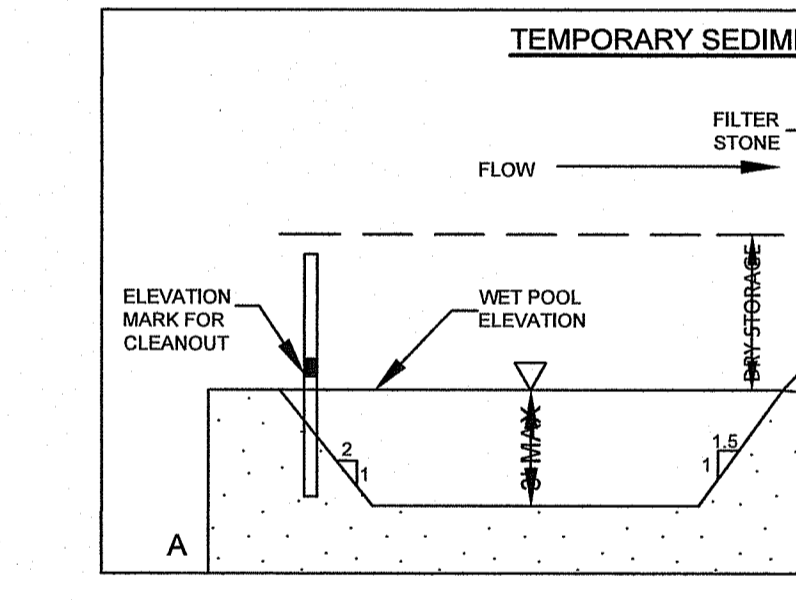
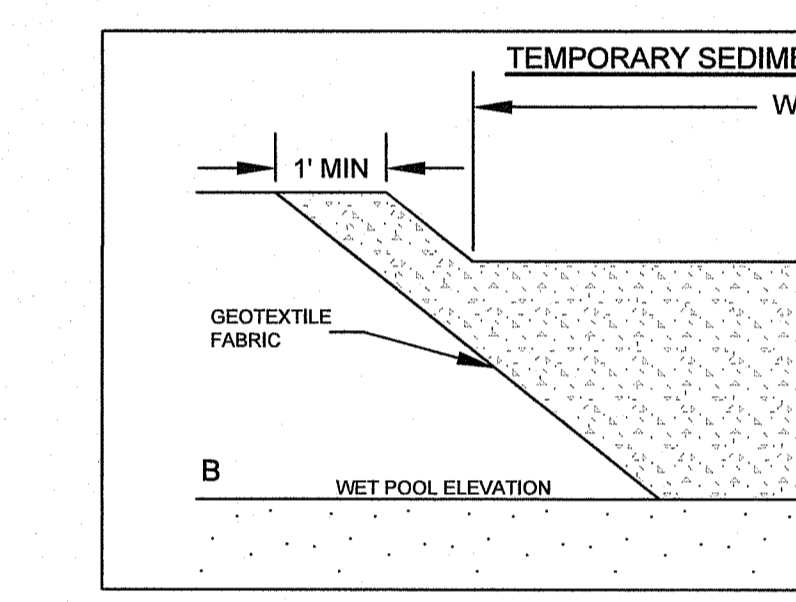
- IMMEDIATELY UPON COMPLETION OF THE CLEARING AND GRUBBING OPERATION AND PRIOR TO ANY GRADING, TEMPORARY HAYBALES, SILT FENCE OR SANDBAGS SHALL BE PLACED OUTSIDE THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS. (I.E. ALONG NEW ROADWAYS, STREAMBANKS, CRITICAL AREAS, ETC.)
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE PERIODICALLY CLEANED AND MAINTAINED AS PER THE RESPECTIVE PROGRAMS DURING THE CONSTRUCTION.
- IF WORK PROGRESS IS TO BE INTERRUPTED AT ANY TIME, REFERENCE EROSION AND SEDIMENTATION CONTROL PROGRAMS FOR TEMPORARY CONTROL.

CONSTRUCTION PHASING NOTES:

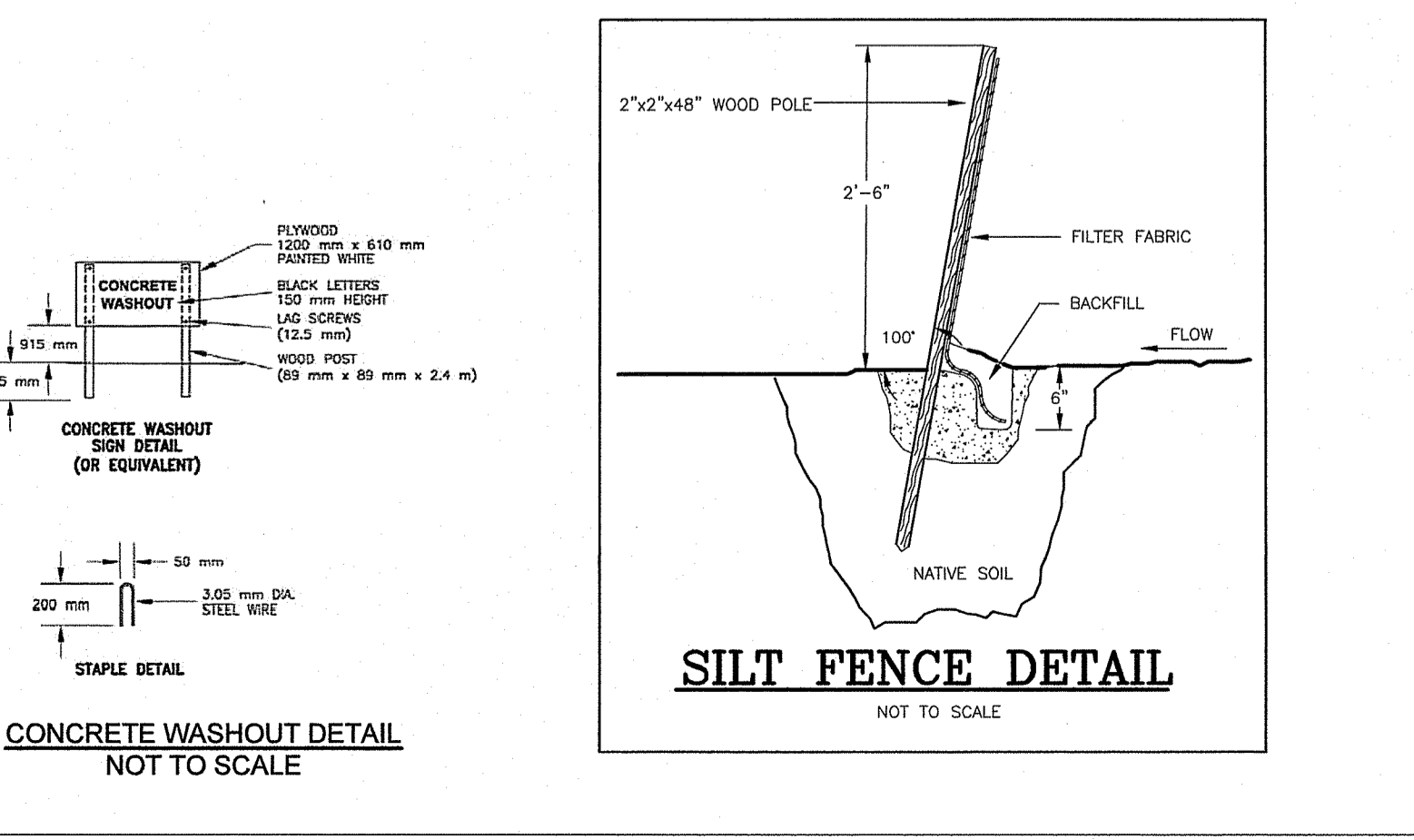
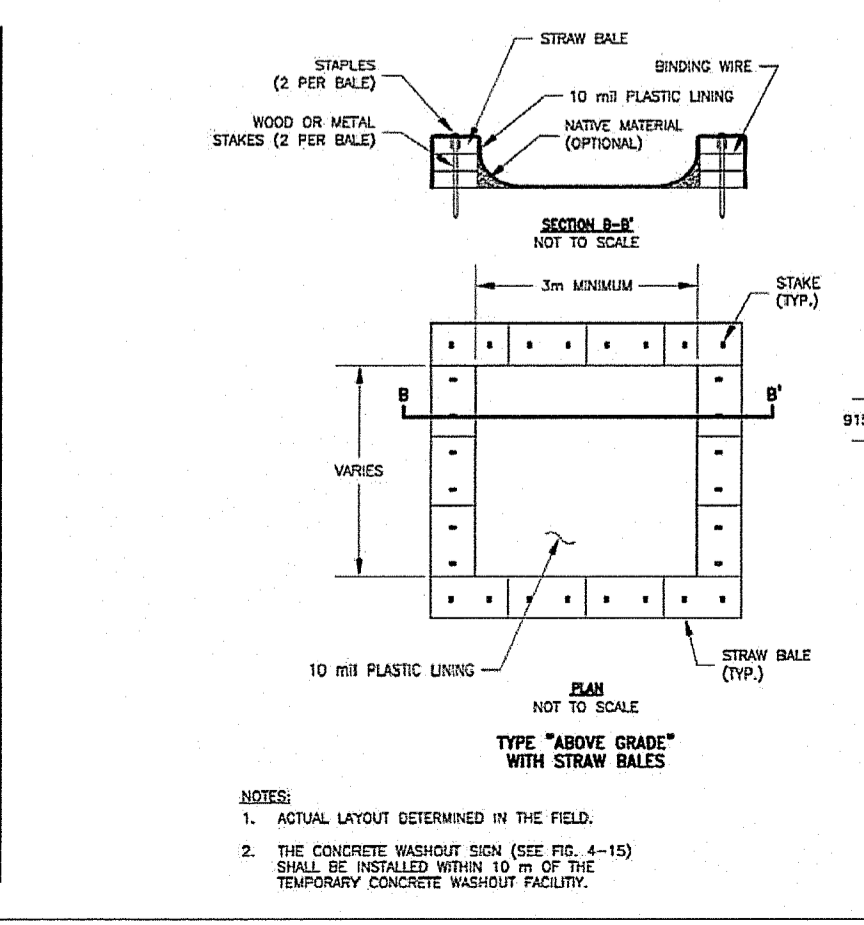
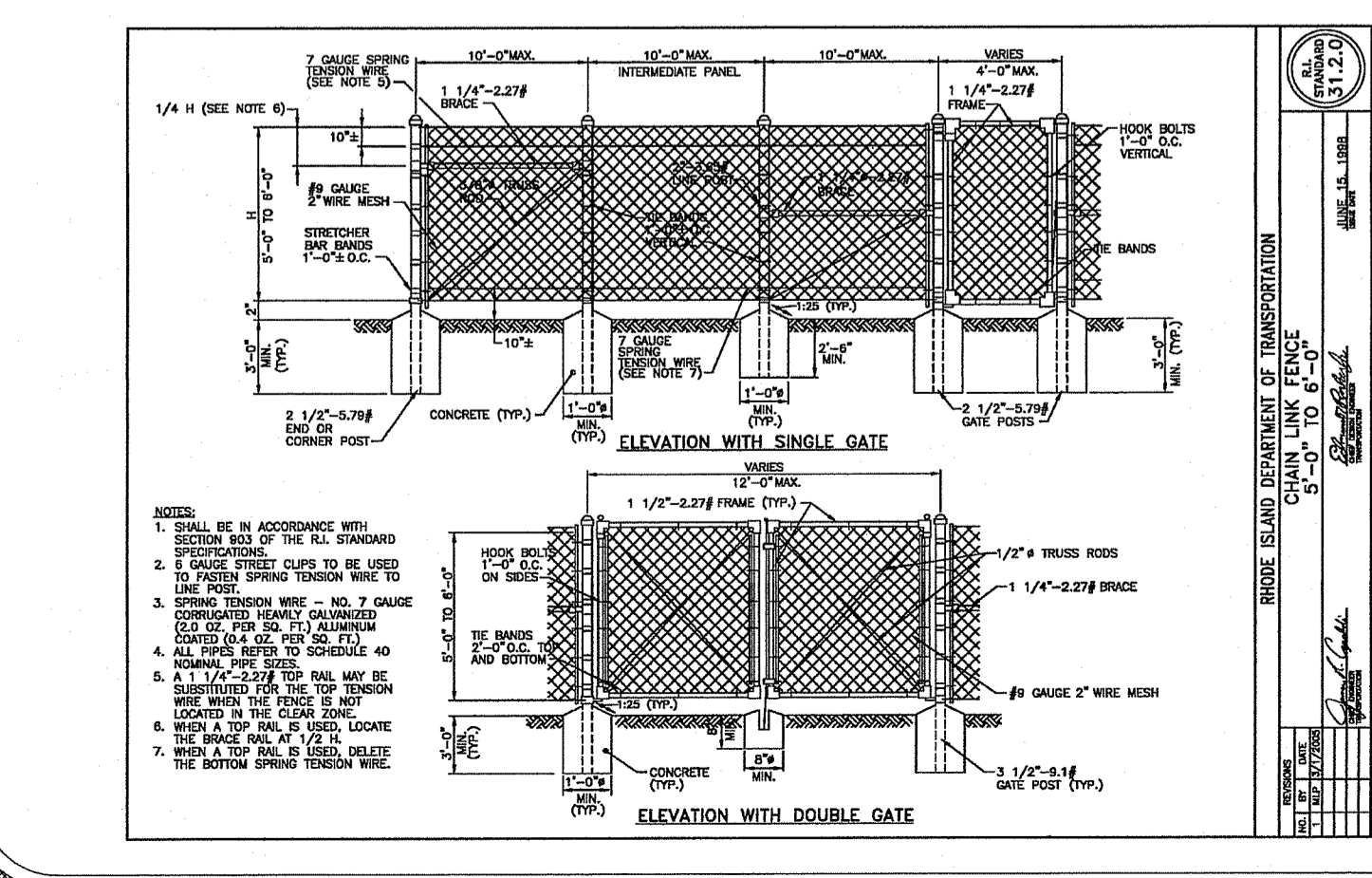
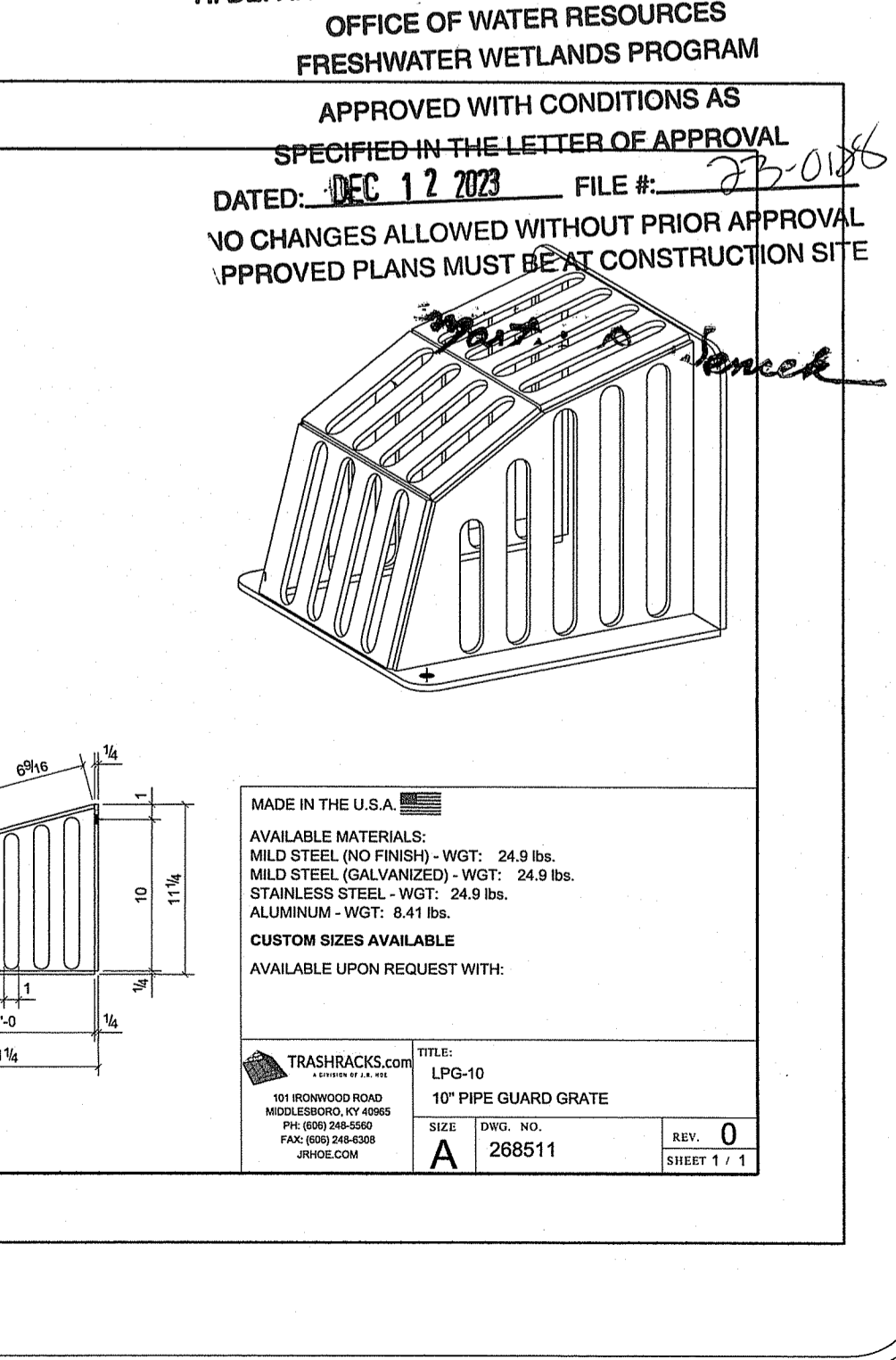
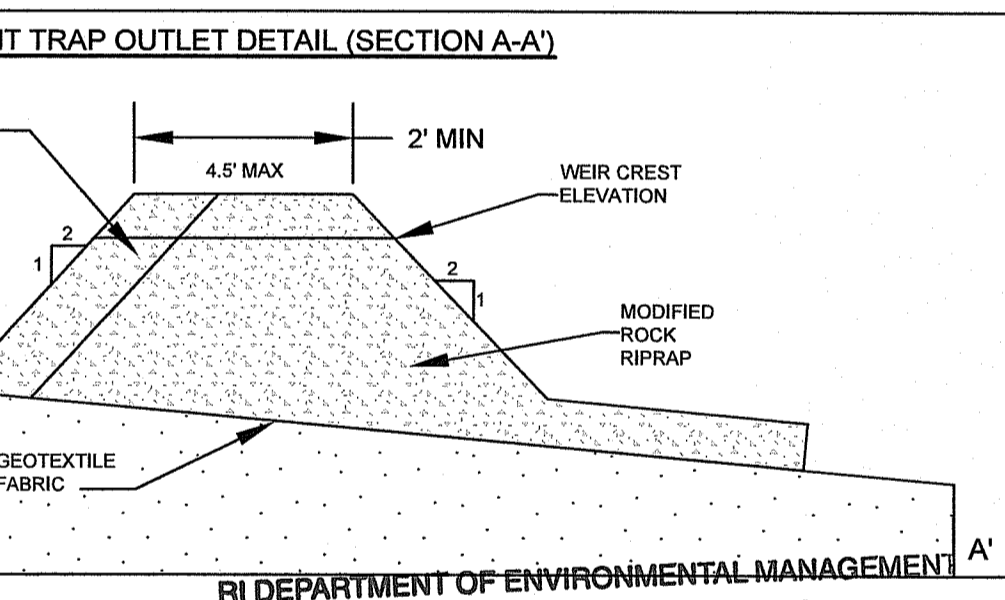
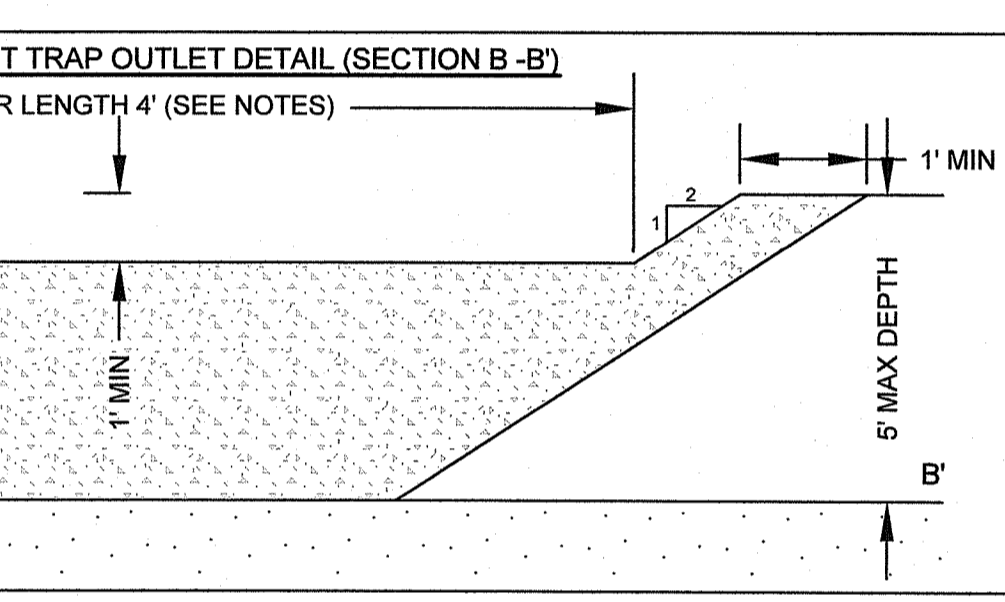
- PRIOR TO ANY GROUND DISTURBING ACTIVITY, PERIMETER SOIL EROSION CONTROL SEDIMENT CONTROLS SHALL BE INSTALLED. FOR CONSTRUCTION OF THE PROPOSED ROAD, SOIL EROSION CONTROLS SHALL BE PLACED DOWN-GRADIENT PRIOR TO ANY GROUND DISTURBANCE.
- CONSTRUCT THE CONSTRUCTION ENTRANCE.
- CONSTRUCT TEMPORARY SEDIMENT BASINS.
- CLEAR AND GRUB AREAS FOR ROAD AND DRAINAGE STRUCTURES. DISPOSE OF STUMPS.
- REMOVE LOAM AND SUB-SOILS AND STOCKPILE FOR LATER USE. SEE THE EROSION CONTROL & SOIL STABILIZATION PROGRAM FOR ADDITIONAL GUIDANCE.
- CONSTRUCT FOREBAYS, WATER QUALITY SAND FILTER, INFILTRATION BASIN, AND DETENTION POND.
- CONSTRUCT THE ROAD (SUBGRADE, BASE COURSE, AND BINDER PAVEMENT), UTILITIES, AND ASSOCIATED DRAINAGE STRUCTURES.
- INSTALL HAYBALE EROSION CONTROL DEVICES AT CATCH BASIN INLETS.
- INDIVIDUAL LOTS SHALL BE CONSTRUCTED ON A LOT BY LOT BASIS.



NO.	REVISION	DATE
1	ISSUED	JUNE 15, 1998



NO.	REVISION	DATE
1	ISSUED	JUNE 15, 1998



GENERAL NOTES AND DETAILS FOR HOPE RIVER VILLAGE
A 55 AND OLDER COMMUNITY
OWNER/APPLICANT: NEW KENT GROUP, LLC.
36 GRANT WAY, HOPE, RI 02831 - PHONE: 401-644-4323
BEING A.P. 10, LOT 9 LOT AREA = 22.38 ACRES
LOCATED AT HOPE KENT ROAD, SCITUATE, R.I.
15 OLD HOPE KENT ROAD, SCITUATE, R.I.

Checked By: P.J.F.
Date: 3/22/2023
Scale: 1" = 40'
Drawn By: M.J.C.
REVISIONS

NO. REVISION DATE
1. PER RIDEM COMMENTS 02/21/23
PATRICK J. JEFFREY
NO. DATE
1. 02/21/23
PROFESSIONAL ENGINEER
9/21/23

AMERICAN ENGINEERING, INC.
Professional Engineering & Land Surveying
400 South County Trail - Suite A 201
Exeter, Rhode Island 02822
DCoffa@AmericanEngineeringRI.com
Phone (401) 294-4090 / Fax (401) 294-3625

Sheet
RI Environmental Management
SEP 25 2023
of 6 sheets
Drawing No. 107139