

SILVER PINES - PHASE II

A 66-UNIT RESIDENTIAL DEVELOPMENT

**MAIN STREET
NORTH SMITHFIELD, RHODE ISLAND
AP 4; LOT 9**

ZONING DISTRICT: RESIDENTIAL - SUBURBAN (RS)

APPROVALS:

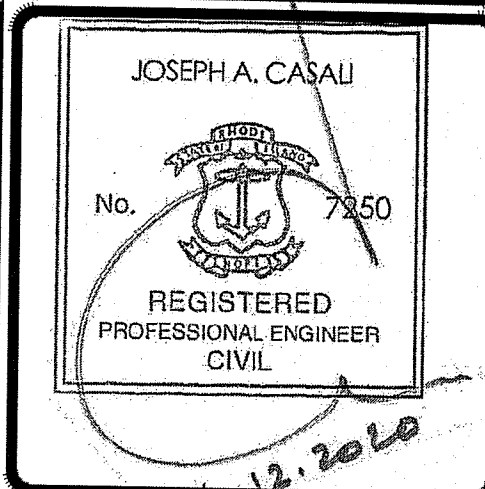
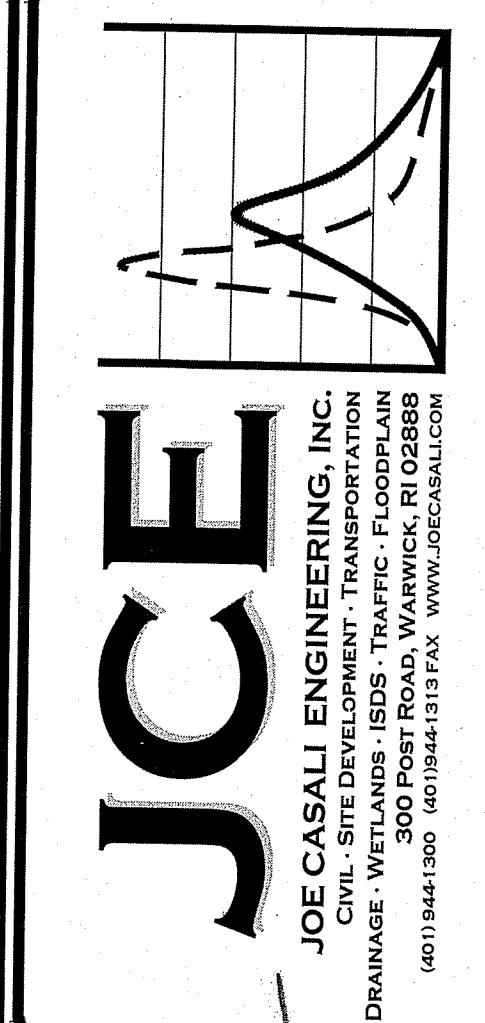
TOWN OF NORTH SMITHFIELD PLANNING BOARD -PRELIMINARY PLAN APPROVAL (NOVEMBER 3, 2005)
RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT - INSIGNIFICANT ALTERATION PERMIT NO. 03-0473 (OCTOBER 21, 2004; CURRENTLY EXPIRED)

FILINGS:

RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT - PRELIMINARY DETERMINATION APPLICATION

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED OCT 16 2020 FILE # 20-0131
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

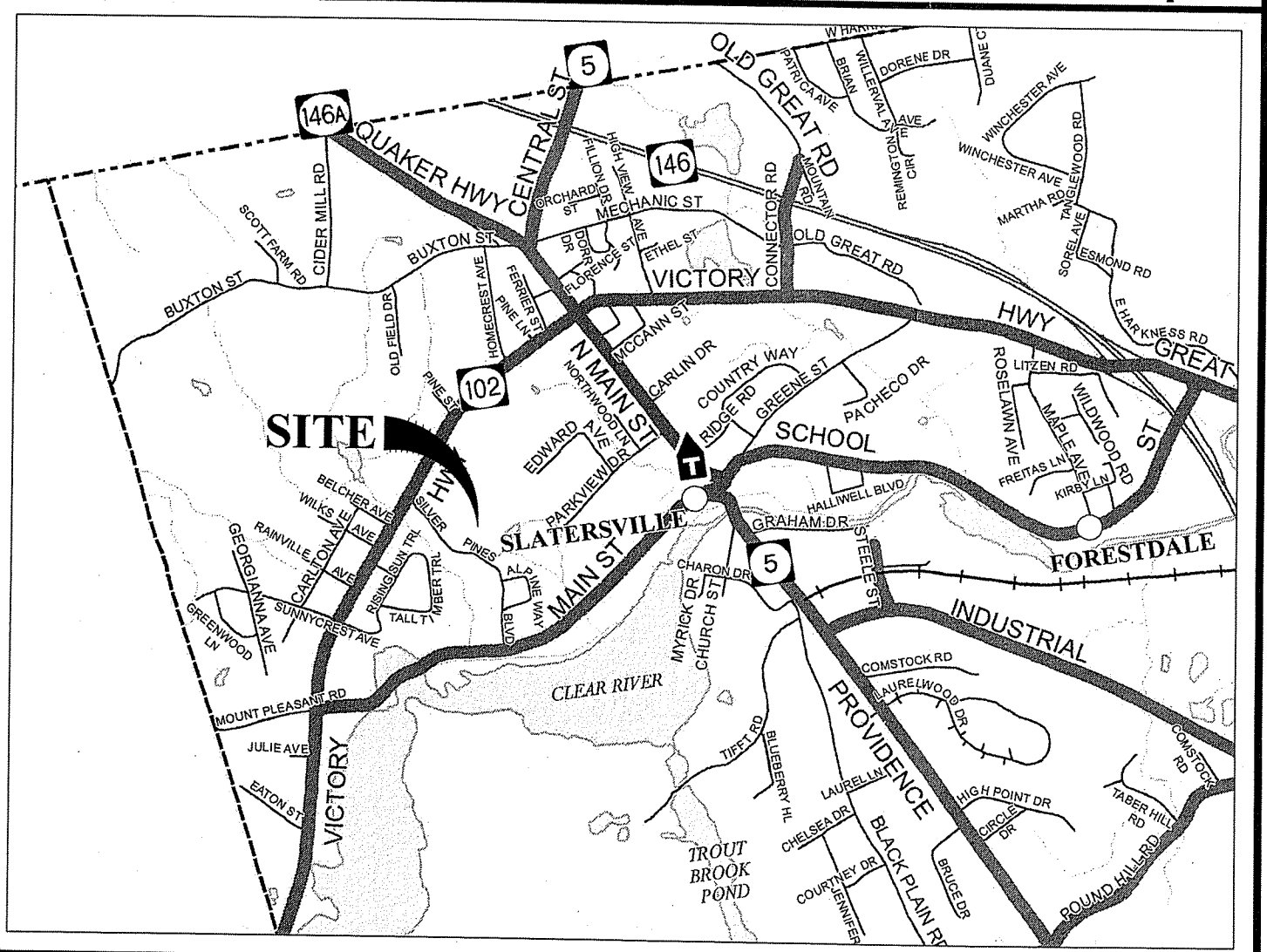
SILVER PINES - PHASE II
MAIN STREET
NORTH SMITHFIELD, RHODE ISLAND
AP 4, LOT 9



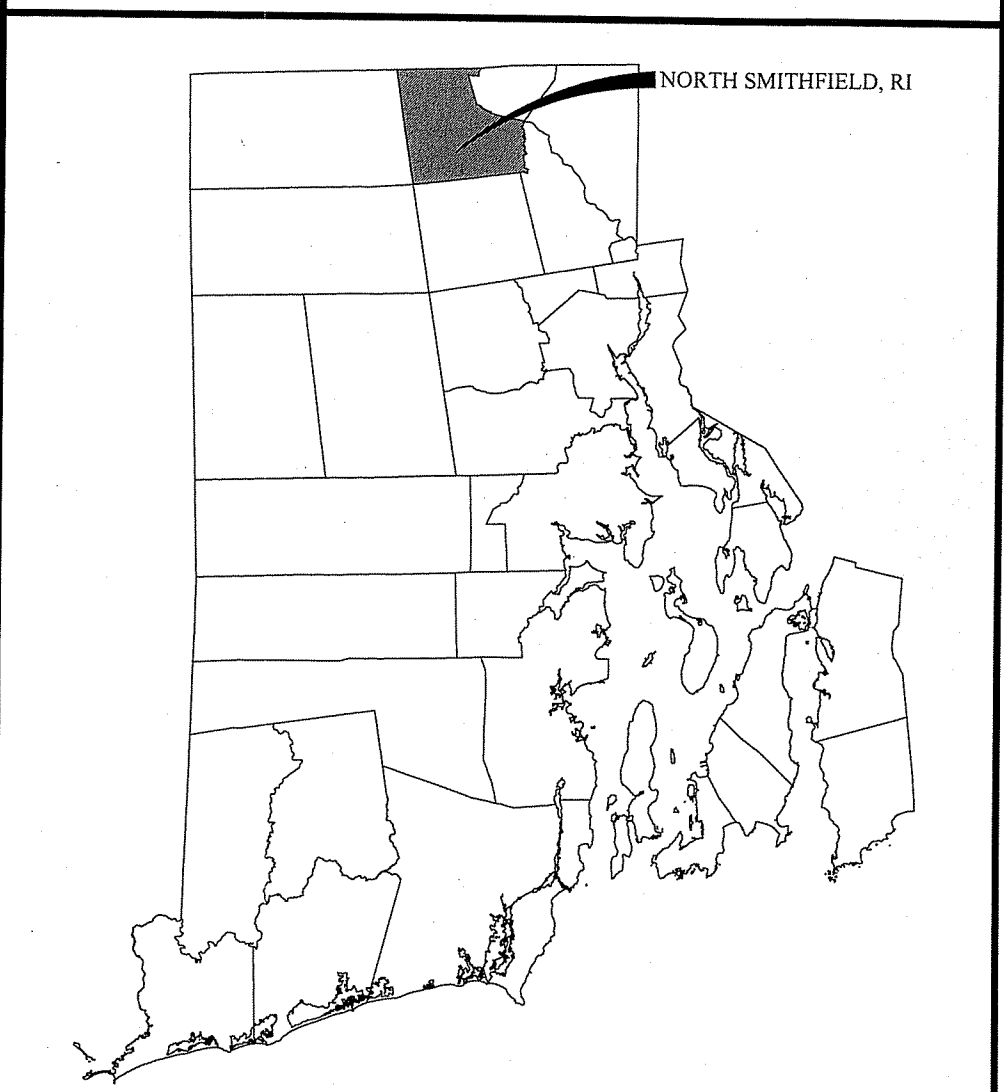
PROJECT TEAM

OWNER / APPLICANT: DAS CONTRACTING CORP. 520 OLD COUNTRY ROAD WEST HICKSVILLE, NY 11802 PHONE: 516-681-0562 FAX: 516-681-0571 CONTACT: MATTHEW HOWE	SURVEYOR: NATIONAL LAND SURVEYORS, INC. 42 HAMLET AVENUE WOONSOCKET, RI 02895 PHONE: 401-769-7779
ARCHITECT: O'HEARNE ASSOCIATES ARCHITECTS P.O. BOX 1213 11 MAIN STREET SLATERSVILLE, RI 02876 PHONE: 781-784-4646 FAX: 401-769-7435	LANDSCAPE ARCHITECT: THE GIFFORD DESIGN GROUP, INC 4096 MENDON ROAD CUMBERLAND, RI 02864 PHONE: 401-671-6336 FAX: 401-671-6466
CIVIL ENGINEER: JOE CASALI ENGINEERING, INC. 300 POST ROAD WARWICK, RI 02888 PHONE: 401-944-1300 FAX: 401-944-1313	

LOCUS MAP (SCALE: 1"=2000')



STATE WIDE MAP



INDEX OF DRAWINGS

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REFERENCE PLANS

1 OF 1	EXISTING CONDITIONS PLAN, PREPARED BY JOHN P. CAITO CORPORATION, DATED SEPTEMBER 2004
1 OF 1	ADMINISTRATIVE SUBDIVISION PLAN, PREPARED BY NATIONAL SURVEYORS-DEVELOPERS INC., DATED SEPTEMBER 2002

REVISIONS:

NO.	DATE	DESCRIPTION

DESIGNED BY: WMLJR
DRAWN BY: SDSP
CHECKED BY: JAC
DATE: JUNE 2020
PROJECT NO: 10-39b

PRELIMINARY, NOT FOR CONSTRUCTION

COVER SHEET

SHEET 1 OF 16-19

Q:\10-39 Silver Pines Elderly Assisted Living Facility\10-39b Phase II\CADD\Silver Pines II [Preliminary Plan].dwg - Jun. 15, 2020 11:23am

GENERAL NOTES:

- 1. CONTRACTOR SHALL NOTIFY "DIGSAFE" (811) AT LEAST 72 HOURS BEFORE EXCAVATING.
2. CLASS I PROPERTY LINE AND CLASS III TOPOGRAPHIC SURVEY PROVIDED BY NATIONAL SURVEYORS-DEVELOPERS INC., 42 HAMLET AVENUE, WOONSOCKET, RI 02895 IN NOVEMBER 2000, REVISED NOVEMBER 2002.
3. THE LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE LATEST AVAILABLE INFORMATION...

CULTURAL RESOURCE INVENTORY:

- 1. THERE ARE NO KNOWN HISTORICALLY SIGNIFICANT SITE OR STRUCTURES ON THE PROPOSED SITE.
2. THERE ARE NO KNOWN STATE OR LOCALLY DESIGNATED HISTORIC SITES, DISTRICTS, OR CEMETERIES ON THE PROJECT SITE.
3. THERE ARE STONE WALLS LOCATED ON THE PROPOSED PROJECT SITE AS NOTED ON THIS PLAN.

RECREATIONAL RESOURCE INVENTORY:

- 1. THERE ARE NO KNOWN HIKING, BIKING, OR BRIDLE PATHS WITHIN OR ADJACENT TO THE PROJECT SITE.
2. THERE ARE NO BOAT LAUNCHES, LAKE OR STREAM ACCESS POINTS, BEACHES, OR WATER TRAILS ON THE PROPOSED PROJECT SITE.
3. THERE ARE NO PLAY FIELDS OR PLAYGROUNDS ON OR ADJACENT TO THE PROJECT SITE.

SITE NOTES:

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING (R&D) OF ALL MATERIALS INDICATED ON THE PLANS.
2. ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS, AND WALKWAYS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE FEDERAL AMERICAN WITH DISABILITIES ACT AND WITH ALL APPLICABLE STATE AND LOCAL LAWS AND REGULATIONS, WHICHEVER IS MORE STRINGENT.
3. STOCKPILES OF EARTH MATERIALS SHALL NOT BE LOCATED ADJACENT TO DRAINAGE STRUCTURES.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC INCLUDING POLICE PROTECTION. ALL TEMPORARY AND VEHICULAR SIGNS, BARRICADES AND LANE CLOSURES SHALL BE IN CONFORMANCE WITH THE LATEST REVISIONS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2009 EDITION.
2. TEMPORARY CONSTRUCTION SIGNS AND ALL APPLICABLE TRAFFIC CONTROL DIVIDES SHALL BE IN PLACE PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC.

DRAINAGE SYSTEM NOTES:

- 1. THE PROPOSED DRAINAGE LINES SHALL BE ADS N-12 HDPE PIPE OR AN APPROVED EQUAL UNLESS OTHERWISE NOTED ON THE SITE PLANS.
2. ALL RIM ELEVATIONS SHOWN ARE APPROXIMATE AND ARE TO BE SET FLUSH WITH FINAL GRADES.
3. ALL CATCH BASINS AND CULVERTS SHALL BE PROTECTED WITH STAKED HAYBALES (R.I. STD. 9.8.0) DURING CONSTRUCTION ACTIVITIES.

MISCELLANEOUS UTILITY NOTES:

- 1. PRIOR TO CONSTRUCTION ALL POTENTIAL UTILITY/DRAINAGE CONFLICTS MUST BE IDENTIFIED BY THE CONTRACTOR. ANY MODIFICATIONS TO THE PROPOSED UTILITIES TO AVOID CONFLICTS MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
2. OVERHEAD ELECTRIC AND TELEPHONE SERVICES ARE TO BE REMOVED BY THE APPROPRIATE UTILITY COMPANY AND COORDINATED BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL AT ALL TIMES PROVIDE A SUFFICIENT NUMBER OF WORKMEN AND GUARDS AS MAY BE NECESSARY TO PROPERLY SAFEGUARD THE PUBLIC FROM THEIR OPERATIONS.

SEQUENCE & STAGING OF PROPOSED CONSTRUCTION ACTIVITIES:

- 1. SURVEY AND STAKE THE PROPOSED DRAINAGE BMP'S (SEDIMENT FOREBAY, INFILTRATION BASIN, TREE FILTERS, AND GRASS SWALES), ROADWAY CENTERLINE, WATER LINE, OWTS LOCATIONS AND LIMIT OF DISTURBANCE. THE CONTRACTOR SHALL NOT COMPACT THE AREAS OF THE DRAINAGE BMP'S DURING CONSTRUCTION OPERATIONS. CONTRACTOR SHALL INSTALL CONSTRUCTION FENCE TO PROTECT BMP'S.
2. PLACE SEDIMENTATION BARRIERS (HAY BALES OR SILT FENCE) AS SHOWN ON THE PLANS AND AS STAKED OUT IN THE FIELD. IN NO CASE IS THE LIMIT OF WORK TO EXTEND BEYOND THE SEDIMENTATION BARRIERS.

BMP MAINTENANCE SCHEDULE:

- 1. ALL MAINTENANCE (INCLUDING CLEANING) REQUIRED DURING THE CONSTRUCTION PHASE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL INCLUDE:
A. MEASURES NEED TO ENSURE THE PROPER OPERATION OF THE STORMWATER RUNOFF (DRAINAGE) AND WATER QUALITY CONTROL SYSTEMS TO INCLUDE INSPECTION, CLEANING AND REPAIRS ALL PIPES, INTAKE AND DISCHARGE STRUCTURES, CATCH BASIN SUMPS, AND MANHOLES.
B. INSPECTION OF ALL SLOPES, BERMS, AND OTHER CONTROL STRUCTURES FOR STRUCTURAL INTEGRITY/STABILITY AND EVIDENCE OF SOIL EROSION PROCESSES, AND MAINTENANCE OF THESE STRUCTURES IF NECESSARY.

CATCH BASINS

- INSPECTIONS SHALL BE PERFORMED A MINIMUM OF 2 TIMES PER YEAR (SPRING/FALL). UNITS SHALL BE CLEANED WHENEVER THE DEPTH OF SEDIMENT IS GREATER THAN OR EQUAL TO 2-FEET (LESS THAN 2-FEET FROM THE BOTTOM OF PIPE). ALL REMOVED SEDIMENT SHALL BE TESTED TO DETERMINE POLLUTANT CONTENT AND SHALL BE REMOVED IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
• THE INLET GRATE SHALL NOT BE WELDED TO THE FRAME SO THAT THE SUMP CAN BE EASILY INSPECTED AND MAINTAINED.

ROOF DRAIN LEADERS

- PERFORM ROUTINE ROOF INSPECTIONS QUARTERLY.
• KEEP ROOFS CLEAN AND FREE OF DEBRIS.
• KEEP ROOF DRAINAGE SYSTEMS CLEAR.

PRE-TREATMENT SEDIMENT FOREBAYS

- AFTER CONSTRUCTION, THE SEDIMENT FOREBAYS SHALL BE INSPECTED AND CLEANED WHEN SEDIMENT BUILD UP IS IN EXCESS OF 6" OR 25% OF THE SEDIMENT FOREBAY VOLUME.

SAND FILTER SYSTEMS

- DURING THE SIX MONTHS IMMEDIATELY AFTER CONSTRUCTION, THE SAND FILTERS SHALL BE INSPECTED AFTER THE FIRST TWO RAINFALL EVENTS OF AT LEAST 1.0 INCH TO ENSURE THE SYSTEM IS FUNCTIONING PROPERLY. THEREAFTER INSPECTIONS SHALL BE CONDUCTED ON AN ANNUAL BASIS AND AFTER STORM EVENTS OF GREATER THAN OR EQUAL TO 2 INCHES.
• SILT AND SEDIMENT SHALL BE REMOVED FROM THE FILTER BED WHEN THE ACCUMULATION EXCEEDS ONE INCH. WHEN THE FILTER BED FOR MORE THAN 48 HOURS, THE TOP FEW INCHES OF DISCOLORED MATERIAL SHALL BE REMOVED AND REPLACED SHALL BE REPLACED WITH FRESH MATERIAL. THE REMOVED SEDIMENTS SHALL BE DISPOSED IN AN ACCEPTABLE MANNER AT AN APPROVED AND PERMITTED LOCATION.

SEDIMENTATION CONTROL PROGRAM:

- 1. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE STORMWATER MANAGEMENT AREAS. THESE AREAS CANNOT BE USED AS SEDIMENT CONTROL DEVICES.
2. ALL DISTURBED AREAS SUBJECT TO EROSION TENDENCIES WHETHER THEY ARE NEWLY FILLED OR EXCAVATED, SHALL RECEIVE SUITABLE SLOPE PROTECTION.
3. ALL UPSLOPED AREAS ARE TO BE STABILIZED PRIOR TO CONNECTING TO THE STORMWATER FACILITIES
4. DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF DURING STORMS AND PERIODS OF RAINFALL.
5. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED PERIODICALLY AND AFTER PERIODS OF RAINFALL. SUCH DEVICES SHALL BE REPAIRED OR REPLACED AS NEEDED.
6. REFERENCE THE "RHODE ISLAND EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE U.S. DEPT. OF AGRICULTURE, SOIL CONSERVATION SERVICE 1989, AS A GUIDE (REVISED 2014).

ORDER OF PROCEDURE:

- 1. SEDIMENT CONTROL DEVICES SHALL SET IN PLACE PRIOR TO THE START OF ANY CONSTRUCTION.
2. ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE PERIODICALLY CLEANED AND MAINTAINED DURING THE CONSTRUCTION.
3. IF WORK PROGRESS IS INTERRUPTED AT ANY TIME, REFERENCE EROSION & SEDIMENTATION PROGRAMS FOR TEMPORARY CONTROL.
4. SPECIFIED PLANTINGS ARE TO TAKE PLACE IN EARLY SPRING (APRIL 1 THRU MAY 30) OR EARLY FALL (SEPTEMBER 1 THRU 30) AND ARE TO BE MAINTAINED FOR A PERIOD OF ONE GROWING SEASON AND SHALL BE REPLACED IF NECESSARY.

LOADING & SEEDING

SEEDING ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH SECTION L.02 SEEDING OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION, 2010 EDITION (WITH LATEST ADDENDA), AND SHALL ALSO CONFORM TO THE FOLLOWING:

- 1. AFTER ROUGH GRADING IS COMPLETED, ALL DISTURBED AREAS AND AREAS LABELED AS 'LOAM AND SEED' ARE TO BE BROUGHT TO AN ELEVATION OF 6" BELOW THE PROPOSED FINISHED GRADE. SCARIFY THE SUBGRADE TO A DEPTH OF 12" WITH THE TEETH OF A BACKHOE OR A POWER RAKE TO RESULT IN AN UNCOMPACTED SUBSOIL. 6" OF GOOD QUALITY TOPSOIL IS TO BE APPLIED AND RAKED TO FINISHED GRADE.
2. THE TOPSOIL IS TO BE GOOD QUALITY LOAM, FERTILE AND FREE OF WEEDS, STICKS AND STONES OVER 3/4" IN SIZE AND OTHERWISE COMPLYING WITH SECTION M.18.01 OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION, 2010 EDITION (WITH LATEST ADDENDA),
3. PRIOR TO SEEDING OR SODDING, FERTILIZE WITH 10-10-10 OR EQUIVALENT ANALYSIS. AT LEAST 40% OF THE FERTILIZER NITROGEN SHALL BE IN SLOW RELEASE FORM. INCORPORATE THE FERTILIZER INTO THE TOP 1-2" OF THE PLANTING SOIL. APPLY AT A RATE OF 8 LBS. PER 1000 SQUARE FEET.
4. APPLY LIME AT A RATE OF ONE TON PER ACRE AND UNIFORMLY INCORPORATE INTO THE TOP 1-2" OF TOPSOIL.

SEEDING

AFTER THE SEED BED IS PREPARED, SEED IS TO BE BROADCAST EVENLY OVER THE SURFACE AND WORKED INTO THE TOP 1" OF SOIL. SEED SHALL BE APPROVED URI #2 OR APPROVED EQUAL. APPLY AT A RATE OF 4-5 LBS. PER 1000 SQUARE FEET OR AS OTHERWISE DIRECTED BY THE MANUFACTURER.

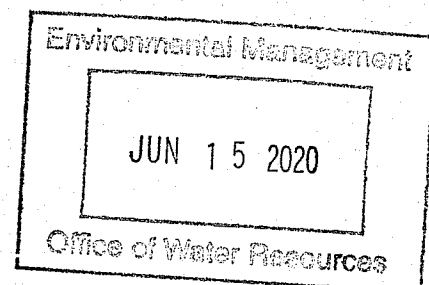
URI #2 IMPROVED SEED MIX, % BY WEIGHT:

- 40% CREEPING RED FESCUE
20% IMPROVED PERENNIAL RYEGRASS
20% IMPROVED KENTUCKY BLUEGRASS
20% KENTUCKY BLUEGRASS

RECOMMENDED SEEDING DATES ARE MARCH 15 TO JUNE 15 AND SEPTEMBER 15 TO NOVEMBER 15. AT THE CONTRACTORS DISCRETION, SEED MAY BE APPLIED BY HYDROSEEDING RATHER THAN THE METHOD DESCRIBED ABOVE.

LEGEND

- EXISTING PROPERTY LINE
ABUTTING PROPERTY LINE
BUILDING SETBACK LINE
EXISTING CONTOUR
PROPOSED CONTOUR
EXISTING STONE WALL
PROPOSED CURB
EXISTING GUARD RAIL
EXISTING DRAIN LINE
PROPOSED DRAIN LINE
EXISTING DRAINAGE MANHOLE
PROPOSED DRAINAGE MANHOLE
EXISTING CATCH BASIN
PROPOSED CATCH BASIN
EXISTING UTILITY POLE
PROPOSED UTILITY POLE
EXISTING TELECOM DUCTBANK
EXISTING ELECTRIC DUCTBANK
RELOCATED ELECTRIC DUCTBANK
EXISTING GAS LINE
PROPOSED GAS LINE
EXISTING WATER LINE
PROPOSED WATER LINE
EXISTING WATER SHUT OFF VALVE
PROPOSED WATER SHUT OFF VALVE
EXISTING SEWER LINE
PROPOSED SEWER LINE
EXISTING SEWER MANHOLE
PROPOSED SEWER MANHOLE
NOW OR FORMERLY TREELINE
SILT FENCE
LIMIT OF DISTURBANCE
TEST HOLE
BORING
DECORATIVE LIGHT
POLE MOUNTED LIGHT



SILVER PINES - PHASE II
MAIN STREET
NORTH SMITHFIELD, RHODE ISLAND
AP 4, LOT 9

Table with 2 columns: NO. DATE, DESCRIPTION. Includes revision information and project details.

PRELIMINARY, NOT FOR CONSTRUCTION

GENERAL NOTES & LEGEND

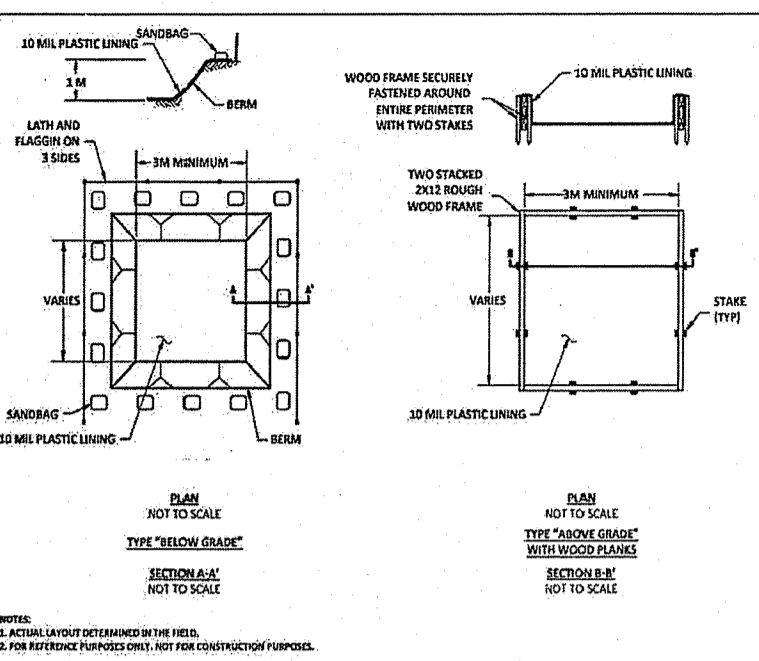
SHEET 2 OF 16



LOCATION OF EXISTING UTILITIES SHOWN, ARE FROM GATE LOCATION AND EXISTING DOCUMENTATION AND MAY NOT BE ACCURATE. EXACT LOCATION TO BE DONE BY THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY PRIOR TO ANY EXCAVATION CALL DIGSAFE AT: 1-888-DIG-SAFE 1-888-344-7233

Q:\10-39 Silver-Pines-Elderly-Assisted-Living-Facility\10-39b Phase II\CAD\Silver Pines II (Preliminary Plan).dwg Jun. 15, 2020 11:23am

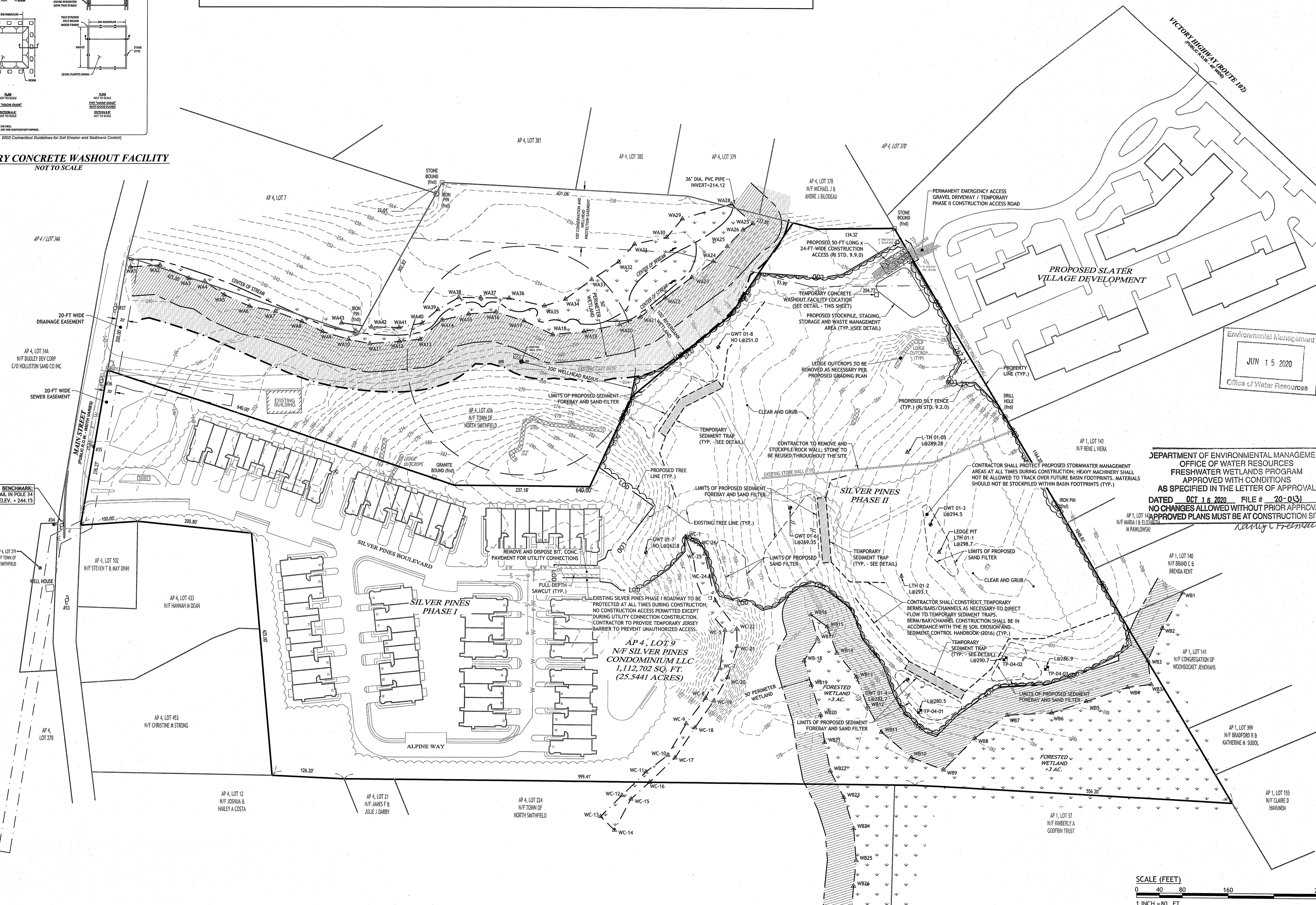
NOTE:
NO CONSTRUCTION ACCESS IS PERMITTED OVER SILVER PINES PHASE I ROADWAYS FOR THE CONSTRUCTION OF SILVER PINES PHASE II.



TEST HOLE DATA					
DETENTION BASIN	TEST HOLE ID	GROUND ELEVATION	TEST HOLE DEPTH	GROUNDWATER ELEVATION	LEDGE ELEVATION
1	01-6	287.2	15+	NONE @ 252	NONE @ 252
2	01-6	278.2	9	NONE @ 269	269
2A-1	01-7 & 01-8	271.2	11+	NONE @ 262	NONE @ 260
3	01-4	287.2	5.5	NONE @ 281.5	281.5
4	01-4	287.2	5.5	NONE @ 281.5	281.5

TEST PIT DATA					
DETENTION BASIN	TEST PIT ID	GROUND ELEVATION	TEST HOLE DEPTH	GROUNDWATER ELEVATION	LEDGE ELEVATION
3	04-01	285.2	4.5	NONE @ 280.5	280.5
4	04-02	297.2	6.8	NONE @ 290.7	290.7
4	04-03	294.2	7.1	NONE @ 286.9	286.9

TEMPORARY CONCRETE WASHOUT FACILITY
NOT TO SCALE



Environmental Management
JUN 15 2020
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED OCT 16 2020 FILE # 20-013
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APPROVED PLANS MUST BE AT CONSTRUCTION SITE

SILVER PINES - PHASE II
MAIN STREET
NORTH SMITHFIELD, RHODE ISLAND
AP 4, LOT 9

REVISIONS:	NO.	DATE	DESCRIPTION

DESIGNED BY: WMLJR
DRAWN BY: SD/SP
CHECKED BY: JAC
DATE: JUNE 2020
PROJECT NO: 10-396

PRELIMINARY, NOT FOR CONSTRUCTION

EXISTING CONDITIONS & SITE PREP. PLAN

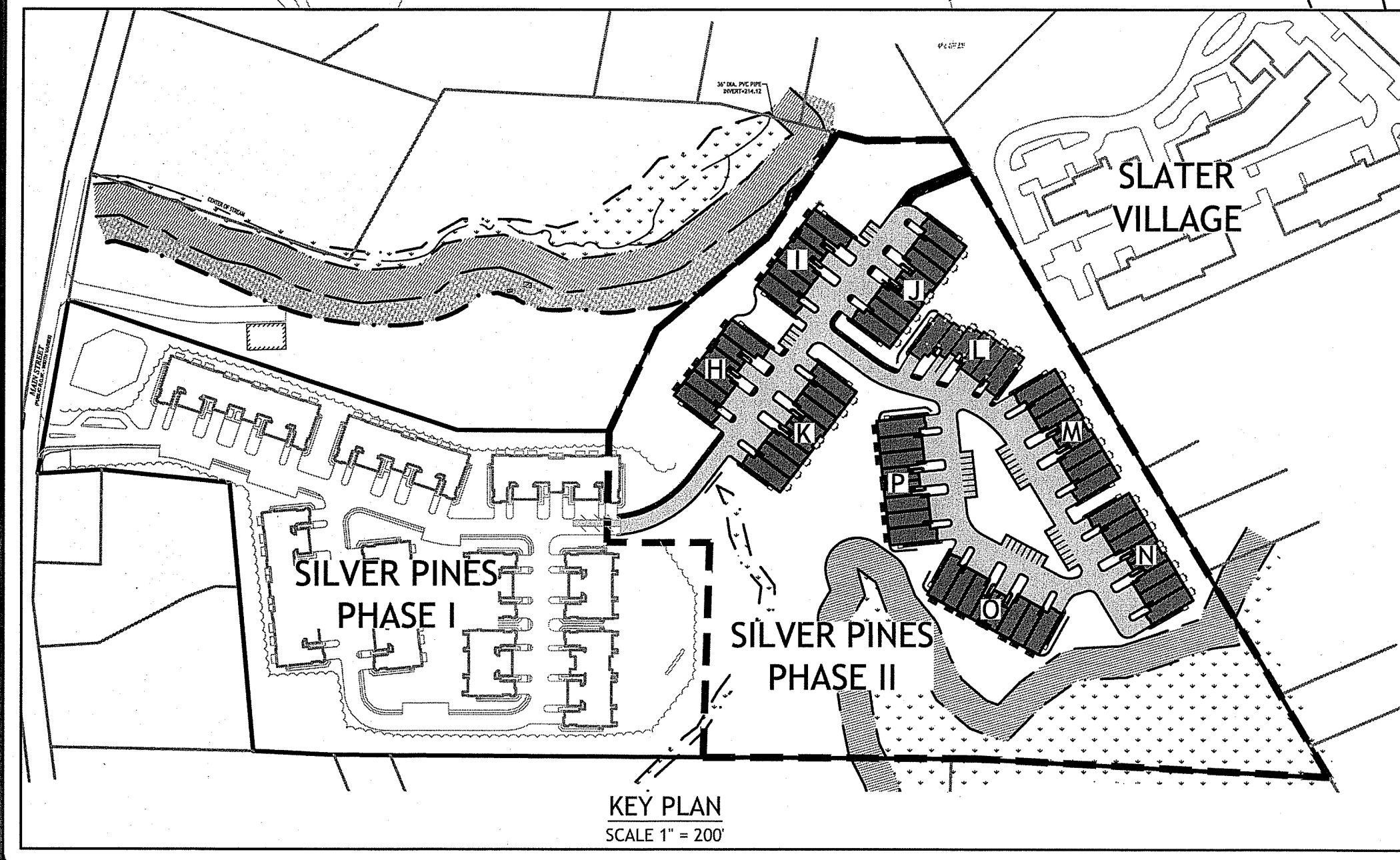
SHEET 3 OF 46-11

JCE
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JOSEPH A. CASALI
No. 7350
REGISTERED PROFESSIONAL ENGINEER CIVIL
12.2010

01:10:39 Silver Pines Elderly Assisted Living Facility 10-396 Phase II (Preliminary Plan).dwg Jun. 15, 2020 11:22am

03:10:39 Silver Pines Elderly Assisted Living Facility 10:39b Phase II (Preliminary Plan).dwg Jun. 15, 2020 11:22am



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JOSEPH A. CASALI
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REGISTERED PROFESSIONAL ENGINEER
CIVIL
12.20.20

SILVER PINES - PHASE II
MAIN STREET
NORTH SMITHFIELD, RHODE ISLAND
AP 4, LOT 9

REVISIONS:

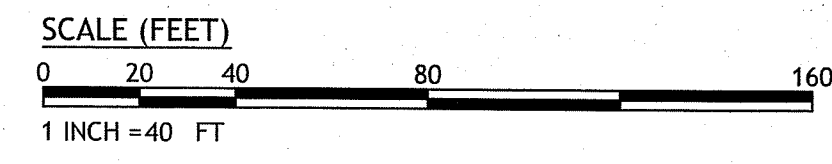
NO.	DATE	DESCRIPTION

DESIGNED BY: WMLJR
DRAWN BY: SD/SP
CHECKED BY: JAC
DATE: JUNE 2020
PROJECT NO: 10-39b

PRELIMINARY, NOT FOR CONSTRUCTION

SITE PLAN

SHEET 4 OF 16-19



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JOSEPH A. CASALI
 No. 7250
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 12.2020

SILVER PINES - PHASE II
 MAIN STREET
 NORTH SMITHFIELD, RHODE ISLAND
 AP 4, LOT 9

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DESIGNED BY: WMLR
 DRAWN BY: SDSP
 CHECKED BY: JAC
 DATE: JUNE 2020
 PROJECT NO: 10-39b

PRELIMINARY, NOT FOR CONSTRUCTION

OVERALL SITE GRADING PLAN

SHEET 5 OF 16-11

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JCE
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JOSEPH A. CASALI
No. 1350
REGISTERED PROFESSIONAL ENGINEER
CIVIL
6/15/2020

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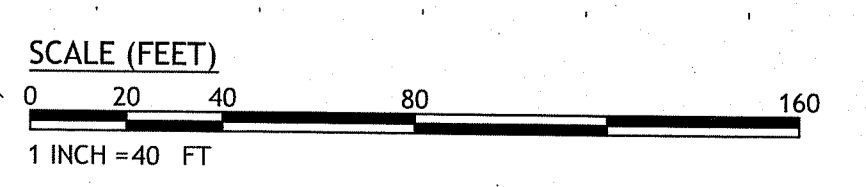
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DRAINAGE PLAN
SHEET 6 OF 16-19



Q:\10-39 Silver Pines Elderly Assisted Living Facility\10-39b Phase II\CADD\Silver Pines II Preliminary Plan.dwg, Jun. 15, 2020 11:24am



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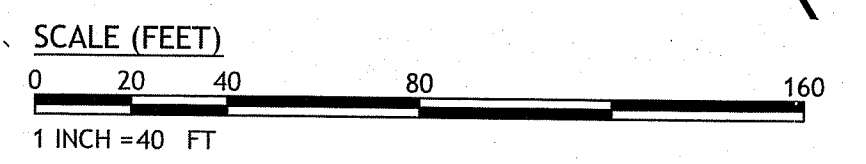
PRELIMINARY, NOT FOR CONSTRUCTION

SEWER PLAN

SHEET 7 OF 46-14

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JOSEPH A. CASALI
 No. 7350
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 12.2020



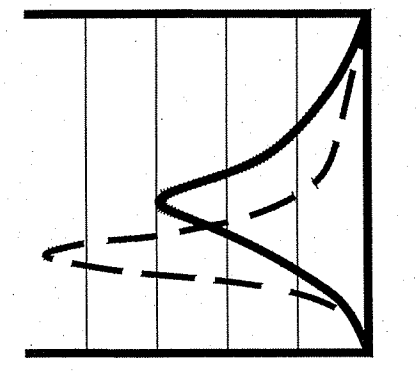
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Environmental Management
JUN 15 2020
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED OCT 16 2020 FILE # 20-0131
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Rebecca L. Freeman



JCE
JOE CASALI ENGINEERING, INC.
CIVIL - SITE DEVELOPMENT - TRANSPORTATION
DRAINAGE - WETLANDS - EROSION - TRAFFIC - PAVING - CONSTRUCTION
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JOSEPH A. CASALI
No. 77360
REGISTERED PROFESSIONAL ENGINEER CIVIL

SILVER PINES - PHASE II
MAIN STREET
NORTH SMITHFIELD, RHODE ISLAND
AP 4, LOT 9

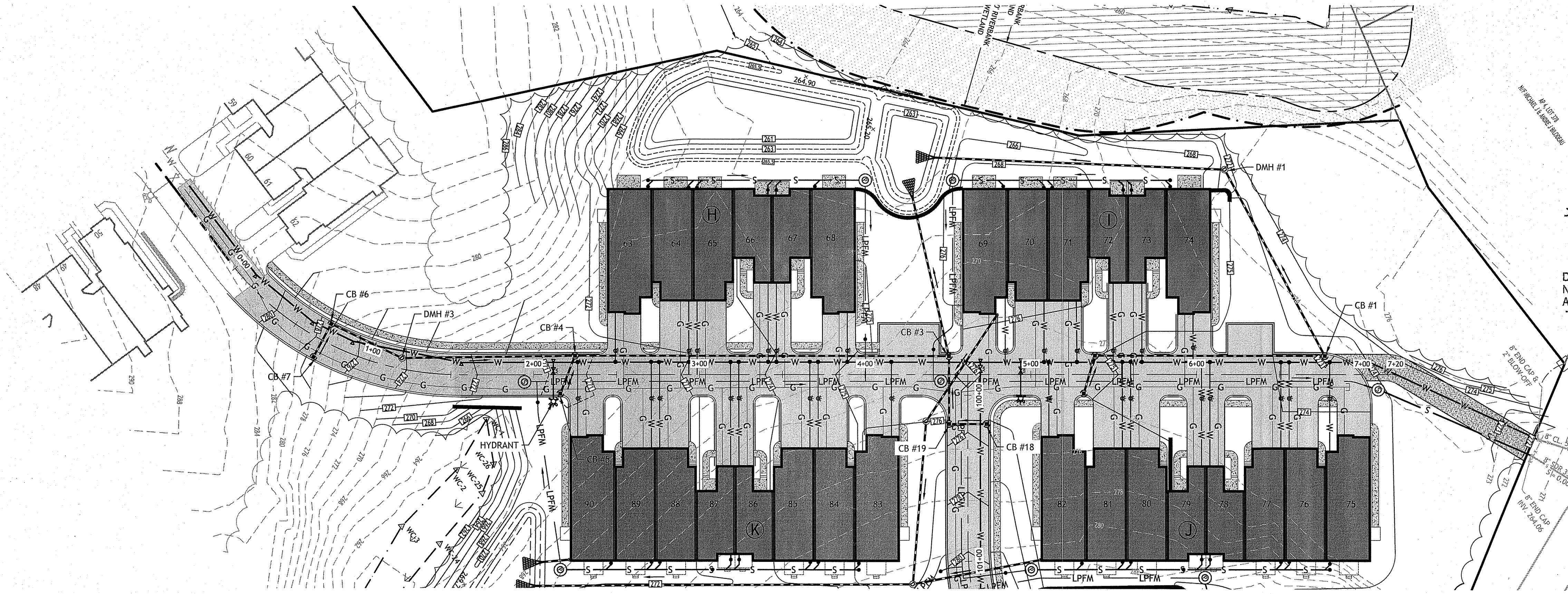
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DRAWN BY: SDSP
CHECKED BY: JAC
DATE: JUNE 2020
PROJECT NO: 10-395

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WATER PLAN

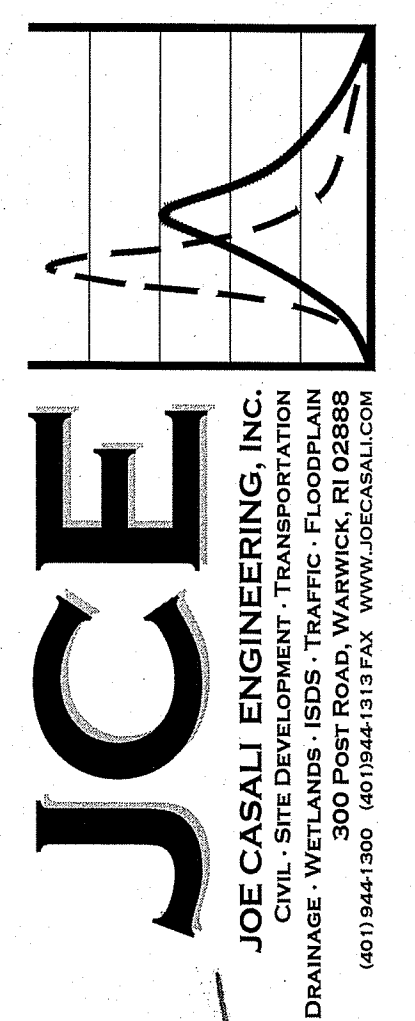
SHEET 8 OF 4619



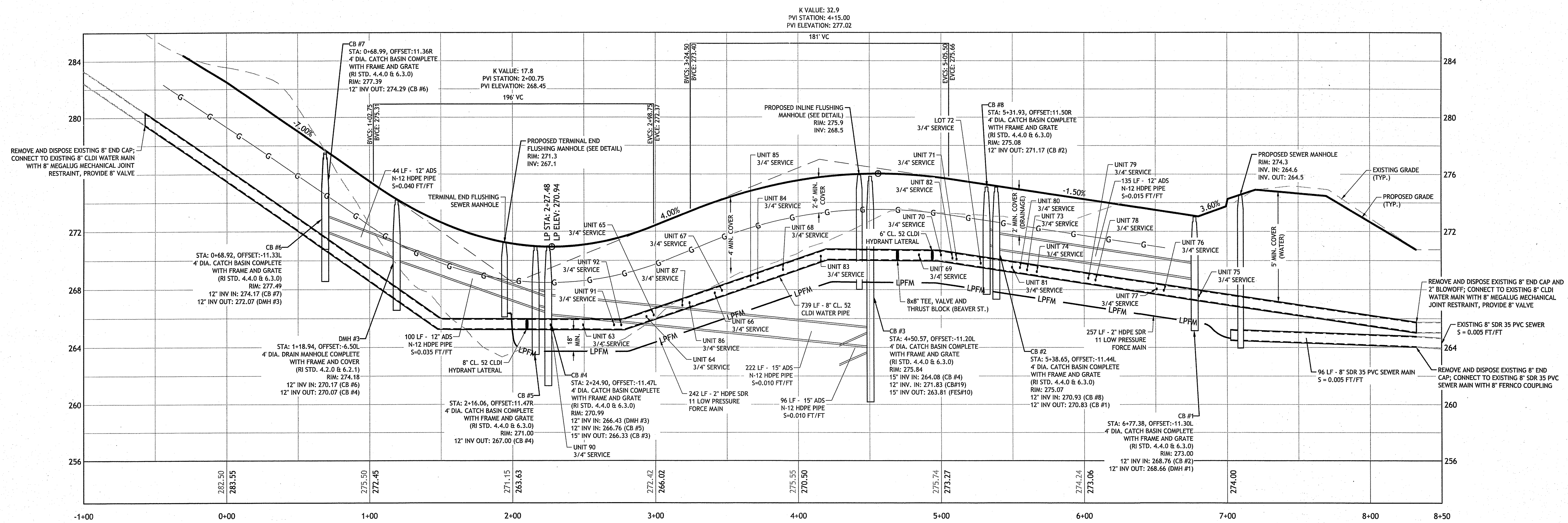
SILVER PINES BOULEVARD PLAN (STA 0+00 TO 7+20)
SCALE: 1" = 40'

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Nancy L. Frema

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JUN 15 2020
Office of Water Resources



JOSEPH A. CASALI
No. 7250
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PROFESSIONAL ENGINEER
CIVIL
12.20.20



SILVER PINES BOULEVARD PROFILE (STA 0+00 TO 7+20)

HORIZONTAL: 1" = 40'
VERTICAL: 1" = 4'

SILVER PINES - PHASE II
MAIN STREET
NORTH SMITHFIELD, RHODE ISLAND
AP 4, LOT 9

REVISIONS:

NO.	DATE	DESCRIPTION

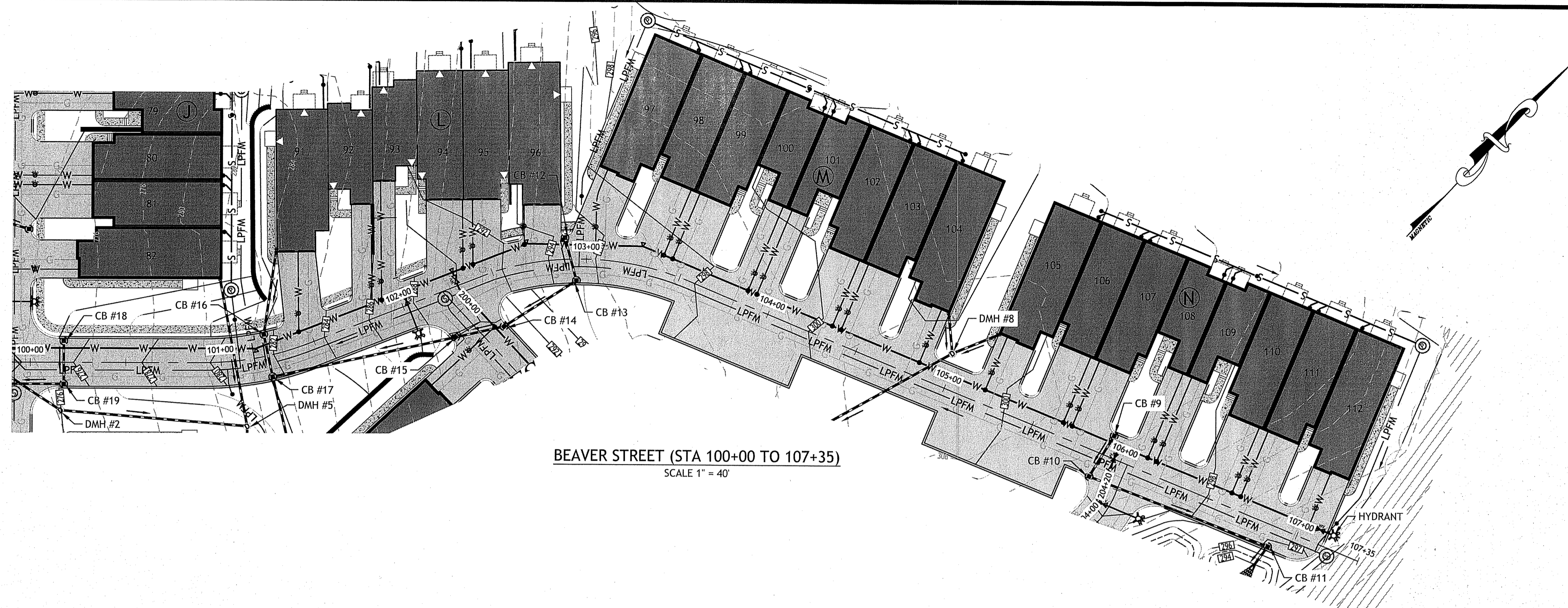
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CHECKED BY: JAC
DATE: JUNE 2020
PROJECT NO: 10-39b

PRELIMINARY, NOT FOR CONSTRUCTION

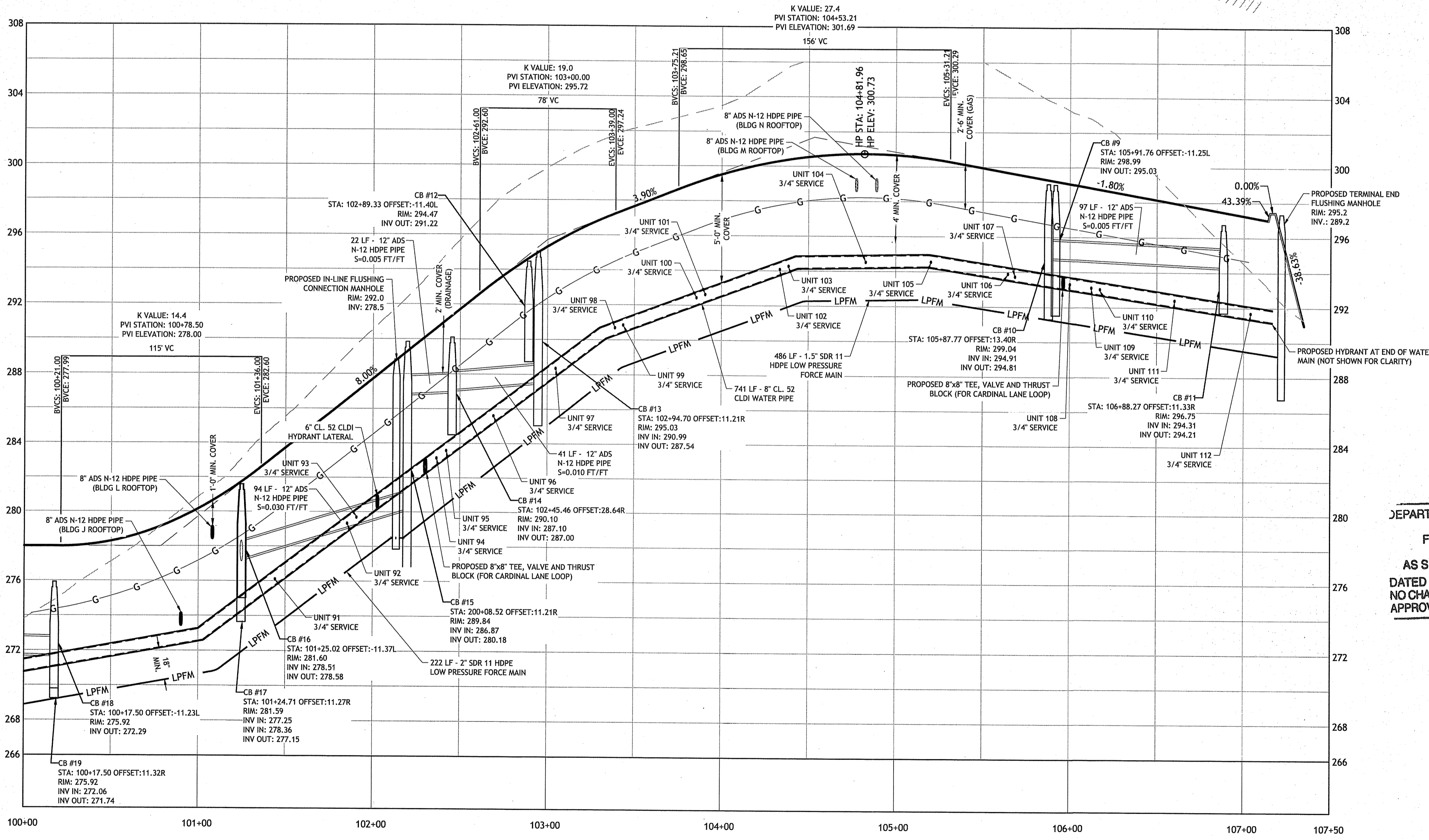
ROADWAY PROFILE:
SILVER PINES BOULEVARD

SHEET 9 OF 16

Q:\10-39 Silver Pines Elderly Assisted Living Facility\10-39b Phase II\ACAD\Silver Pines II (Preliminary Plan).dwg Jun. 15, 2020 11:24am



BEAVER STREET (STA 100+00 TO 107+35)
SCALE 1" = 40'



BEAVER STREET PROFILE (STA 100+00 TO 107+35)
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 4'

Environmental Management
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Nancy Freeman

JCE
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CIVIL
12.2010

SILVER PINES - PHASE II
MAIN STREET
NORTH SMITHFIELD, RHODE ISLAND
AP 4, LOT 9

REVISIONS:

NO.	DATE	DESCRIPTION

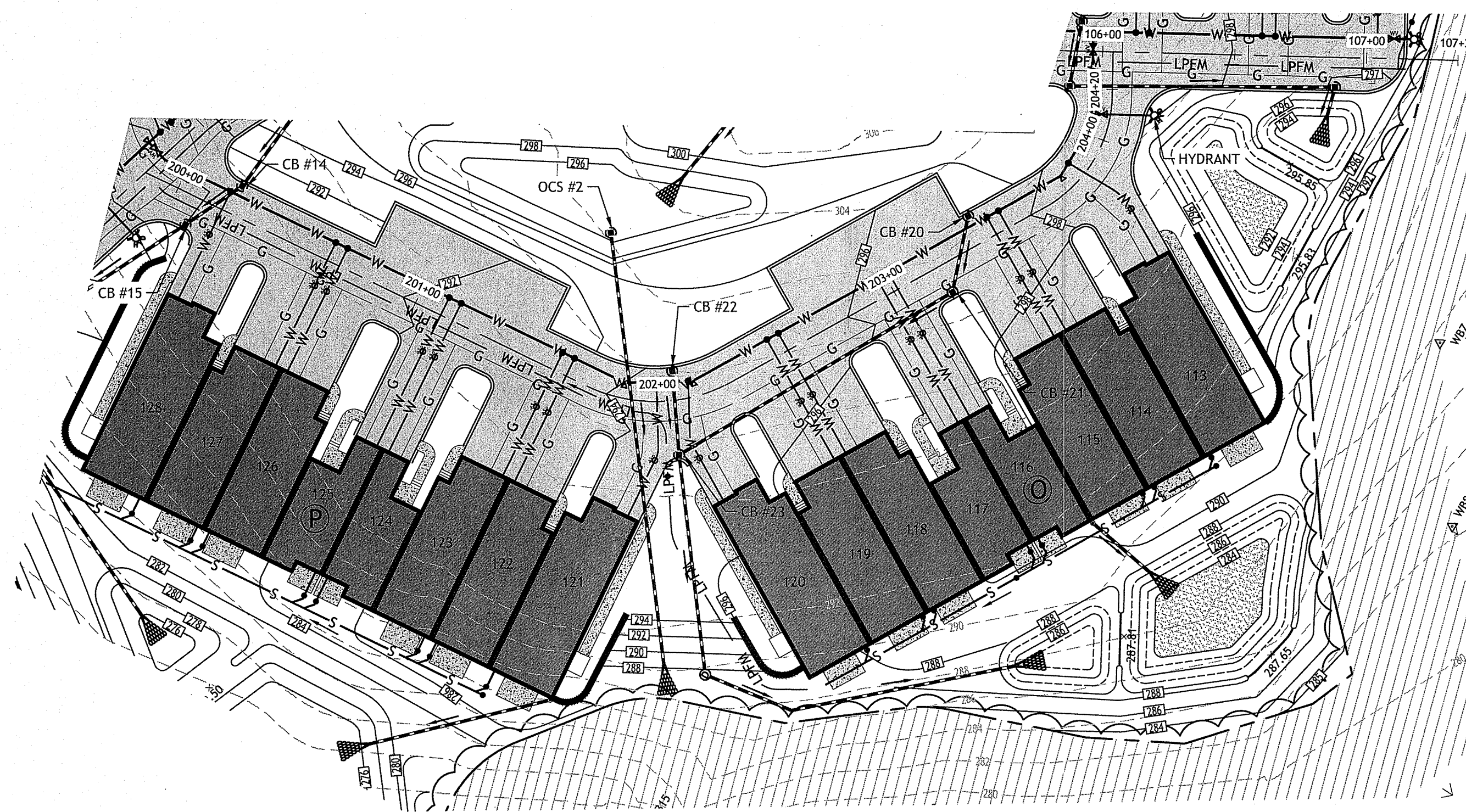
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PROJECT NO: 10-396

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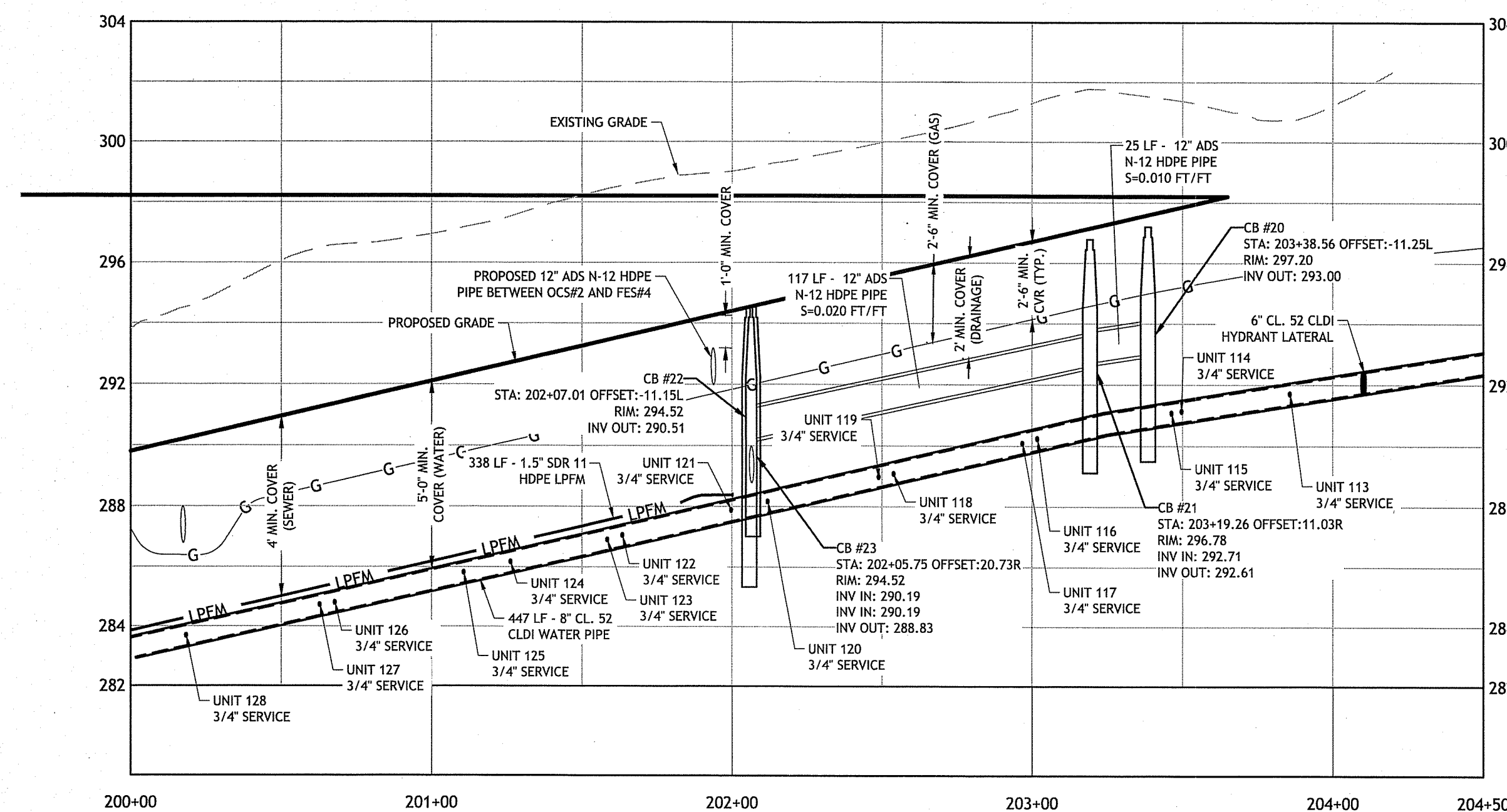
**ROADWAY PROFILE:
BEAVER STREET**

**SHEET
10 OF 16-19**

Q:\10-39 Silver Pines Elderly Assisted Living Facility\10-396 Phase II\CAD\Silver Pines II (Preliminary Plan).dwg Jun 15, 2020 11:24am



CARDINAL LANE PLAN (STA 200+00 TO 204+34)
SCALE 1" = 40'

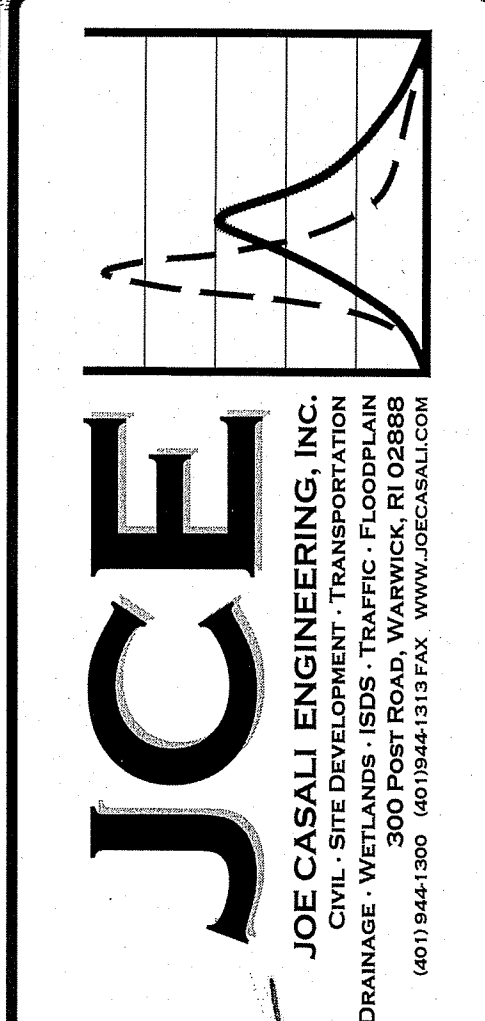


CARDINAL LANE PROFILE (STA 200+00 TO 204+34)
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 4'

Environmental Management
JUN 15 2020
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Nancy L. Ferman



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PROFESSIONAL ENGINEER
CIVIL
12.20.20

SILVER PINES - PHASE II
MAIN STREET
NORTH SMITHFIELD, RHODE ISLAND
AP 4, LOT 9

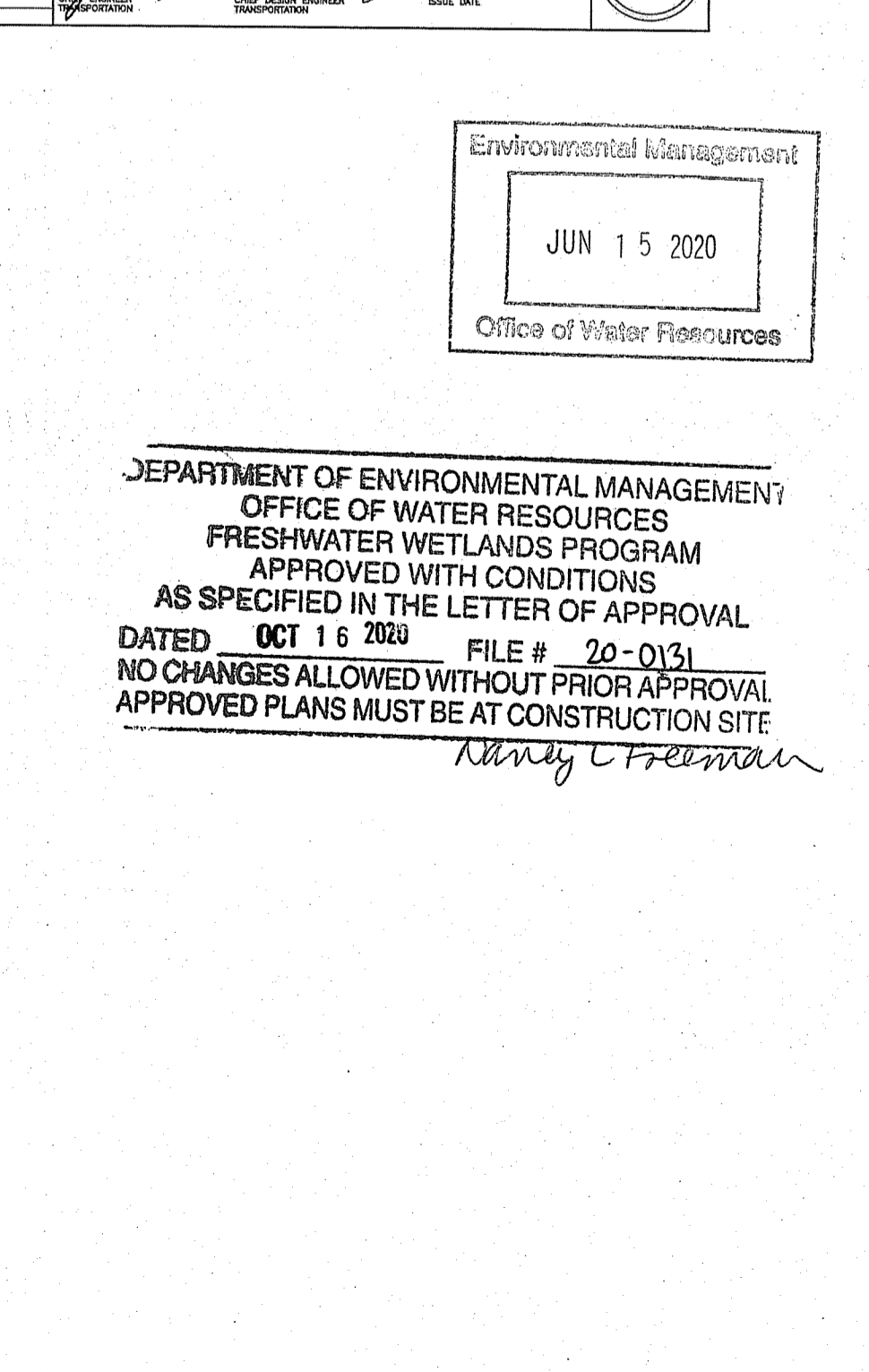
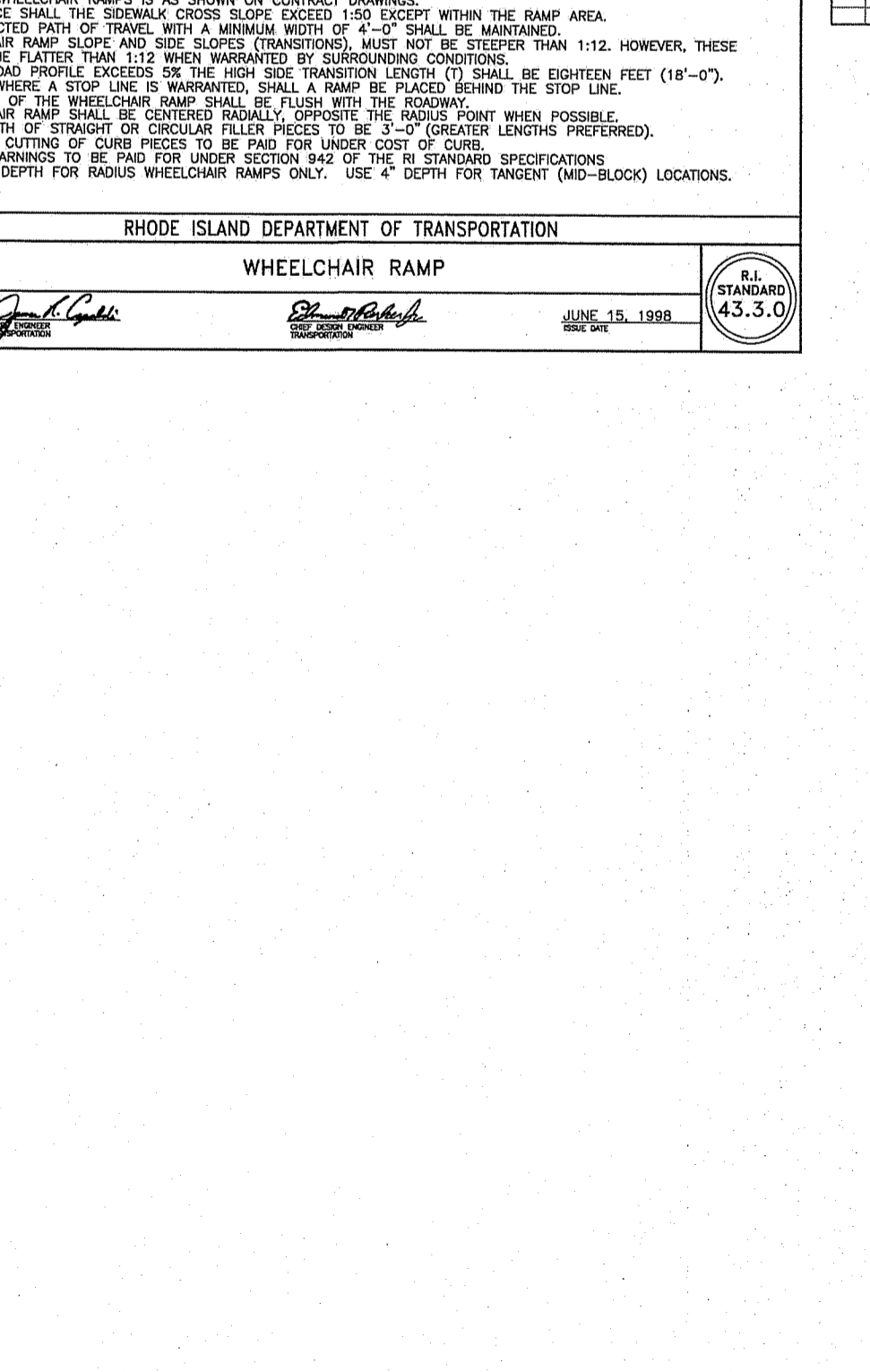
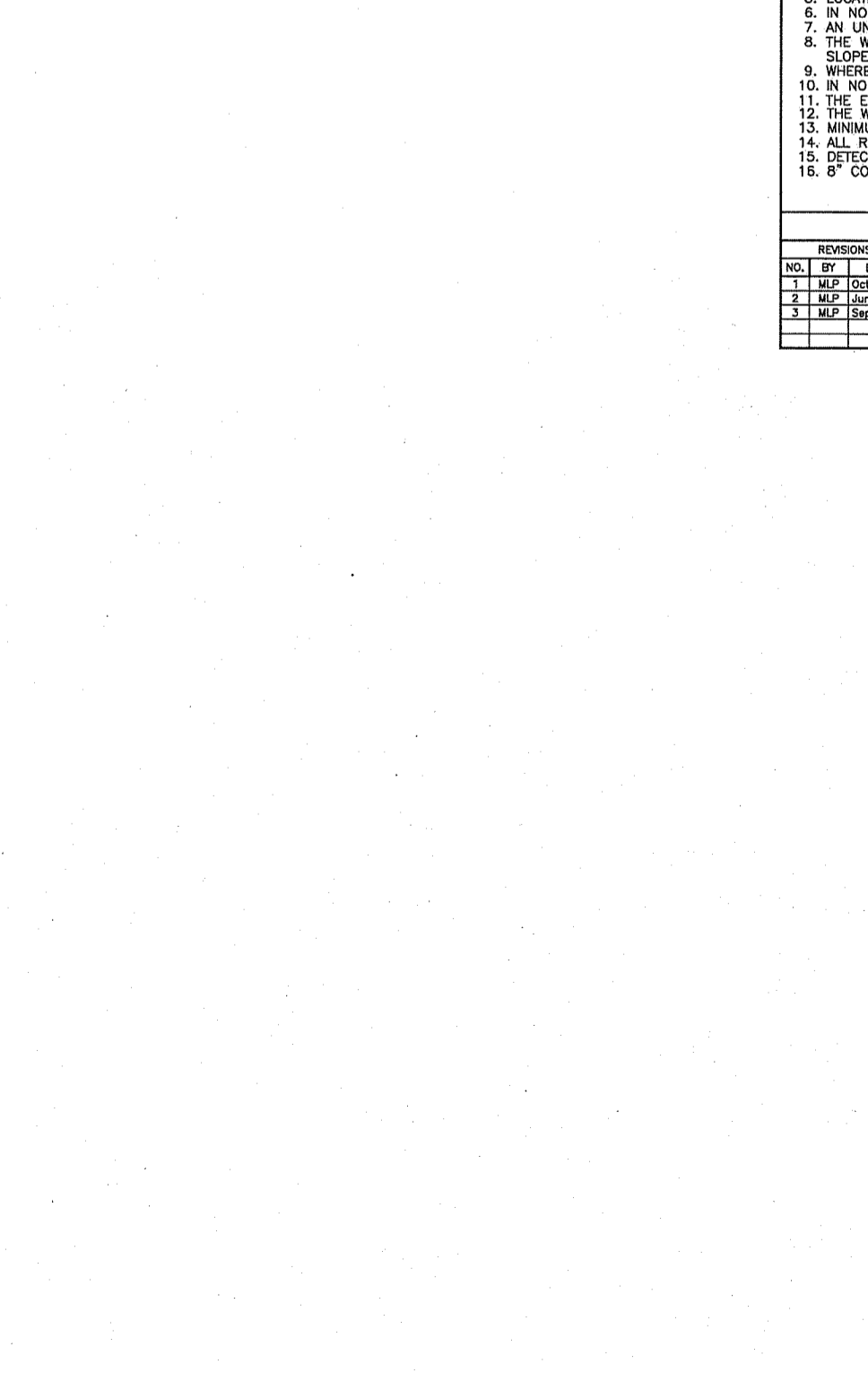
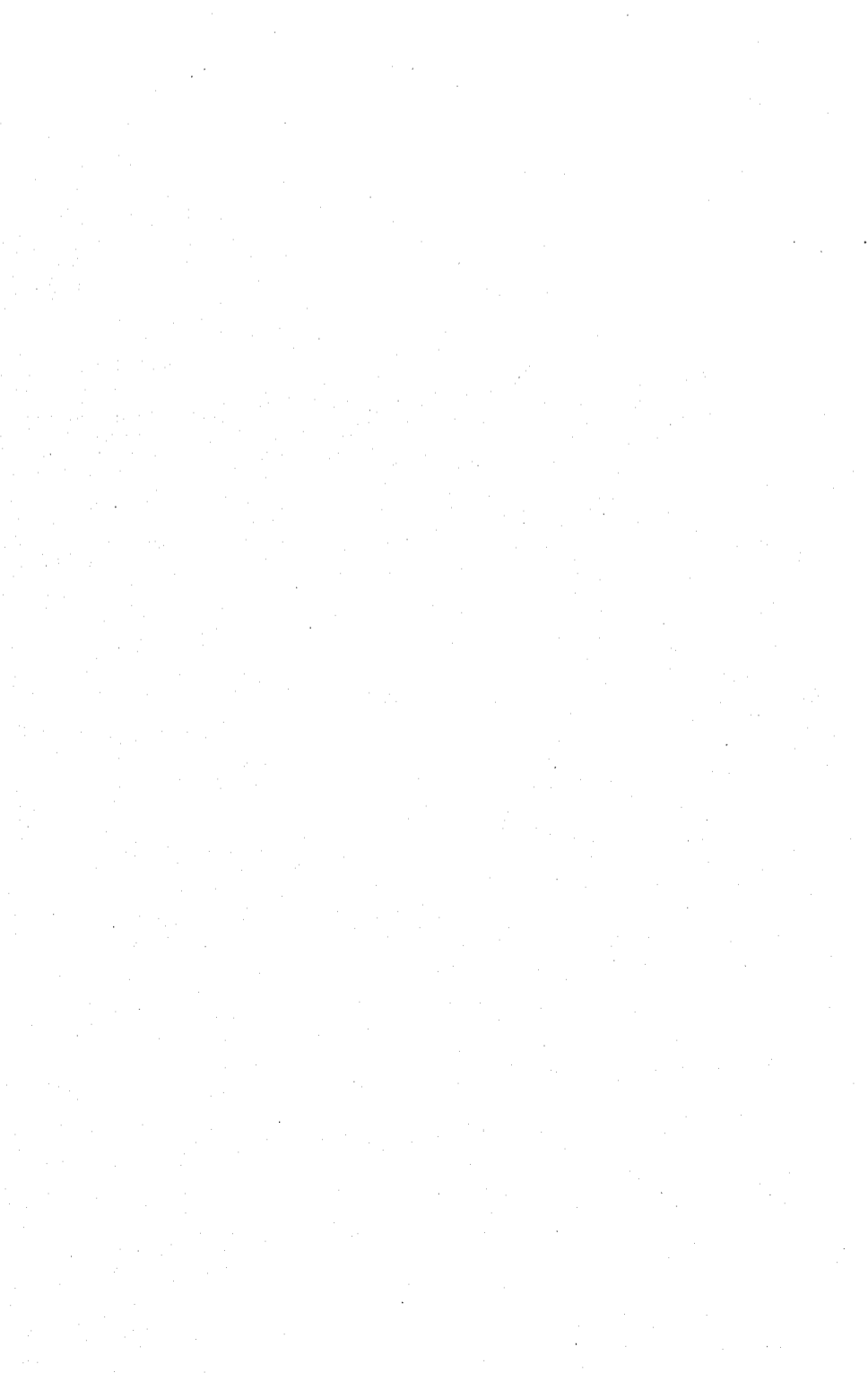
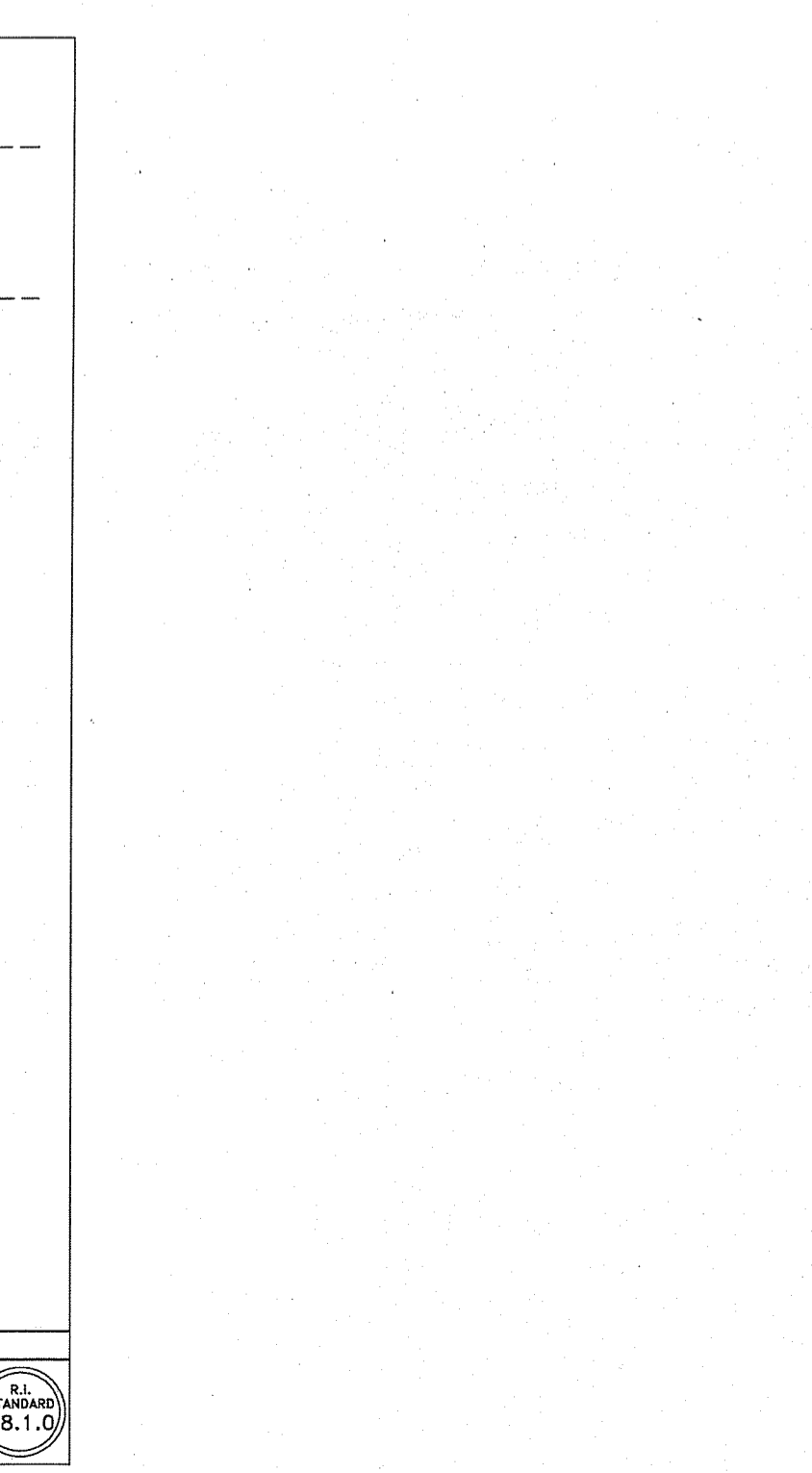
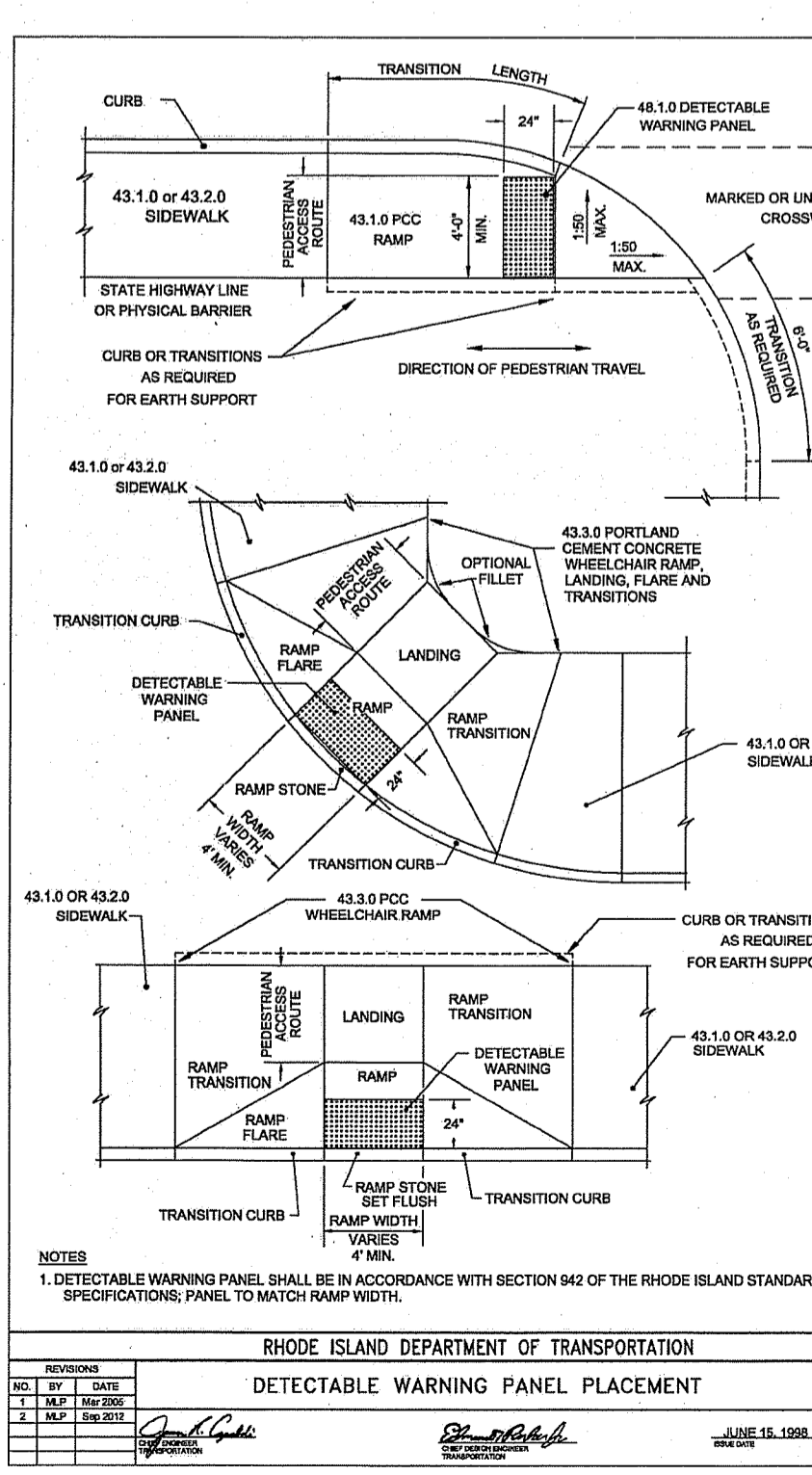
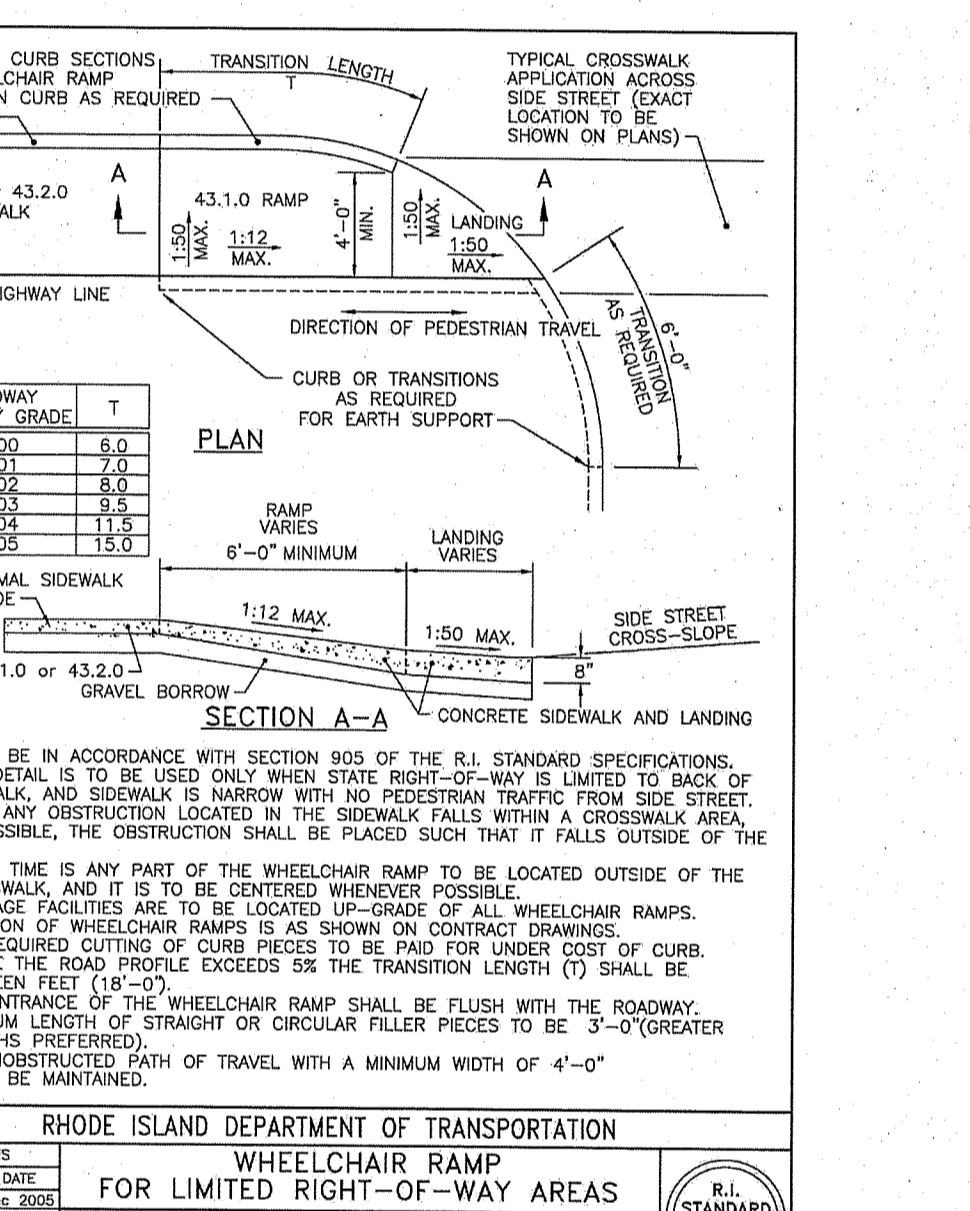
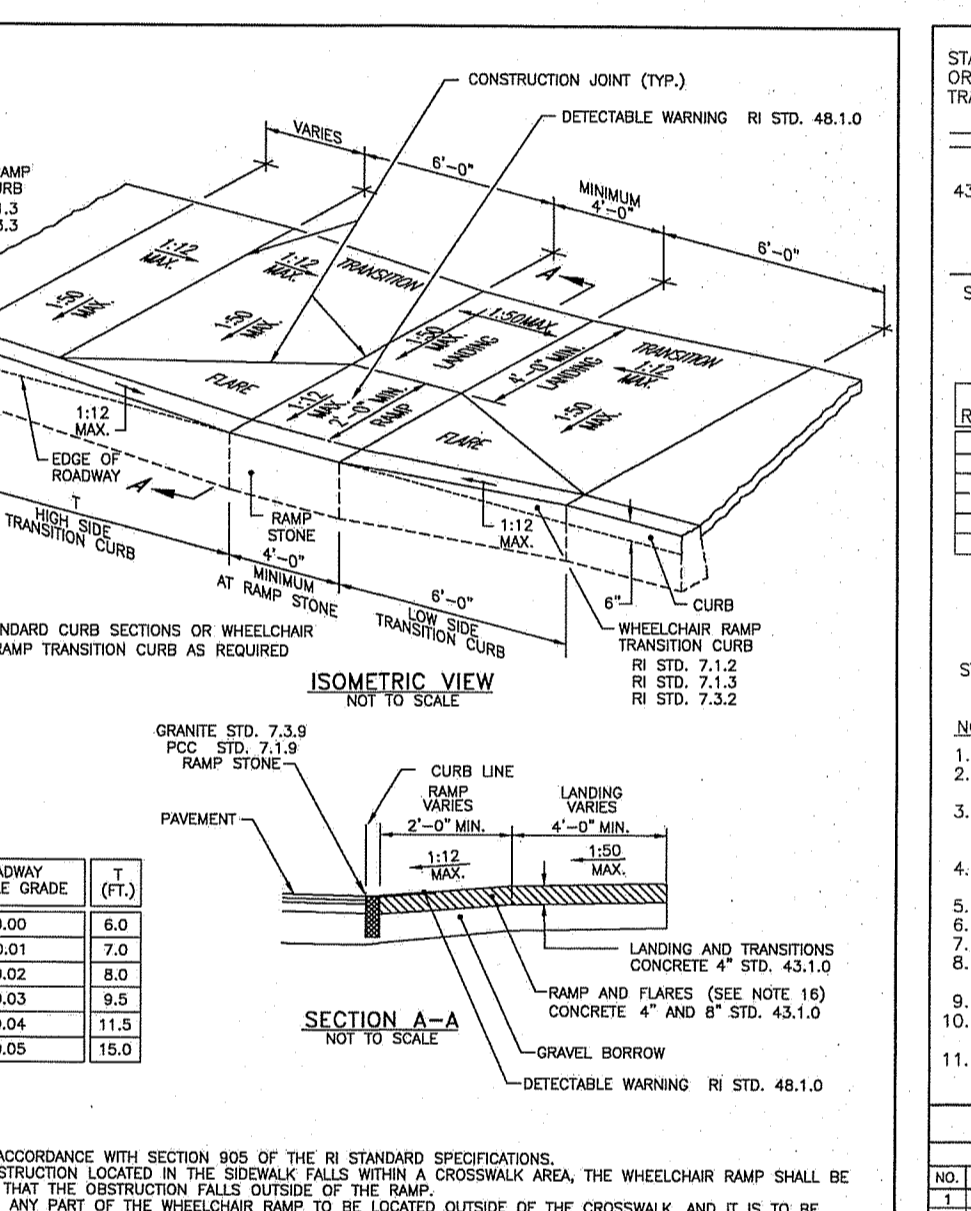
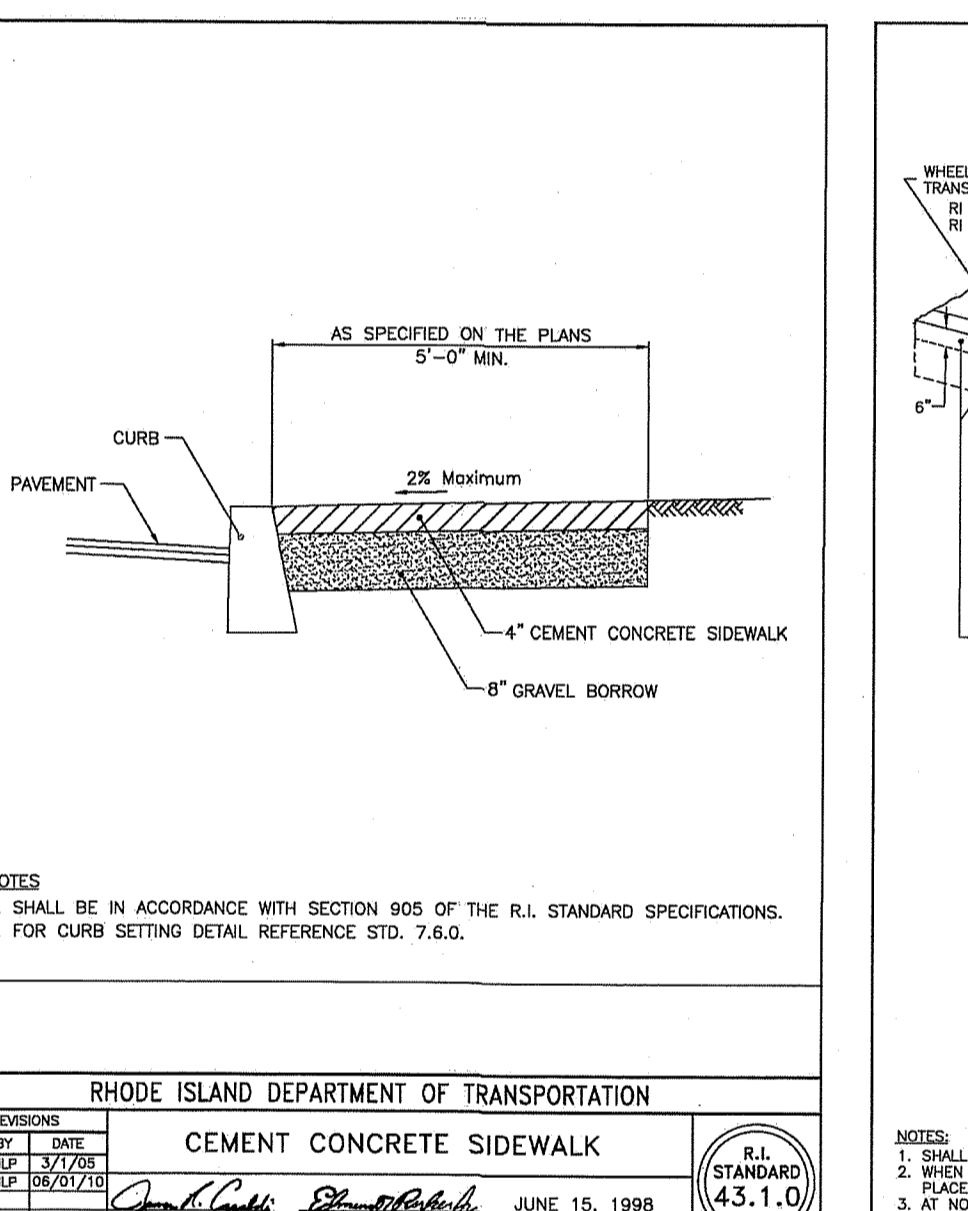
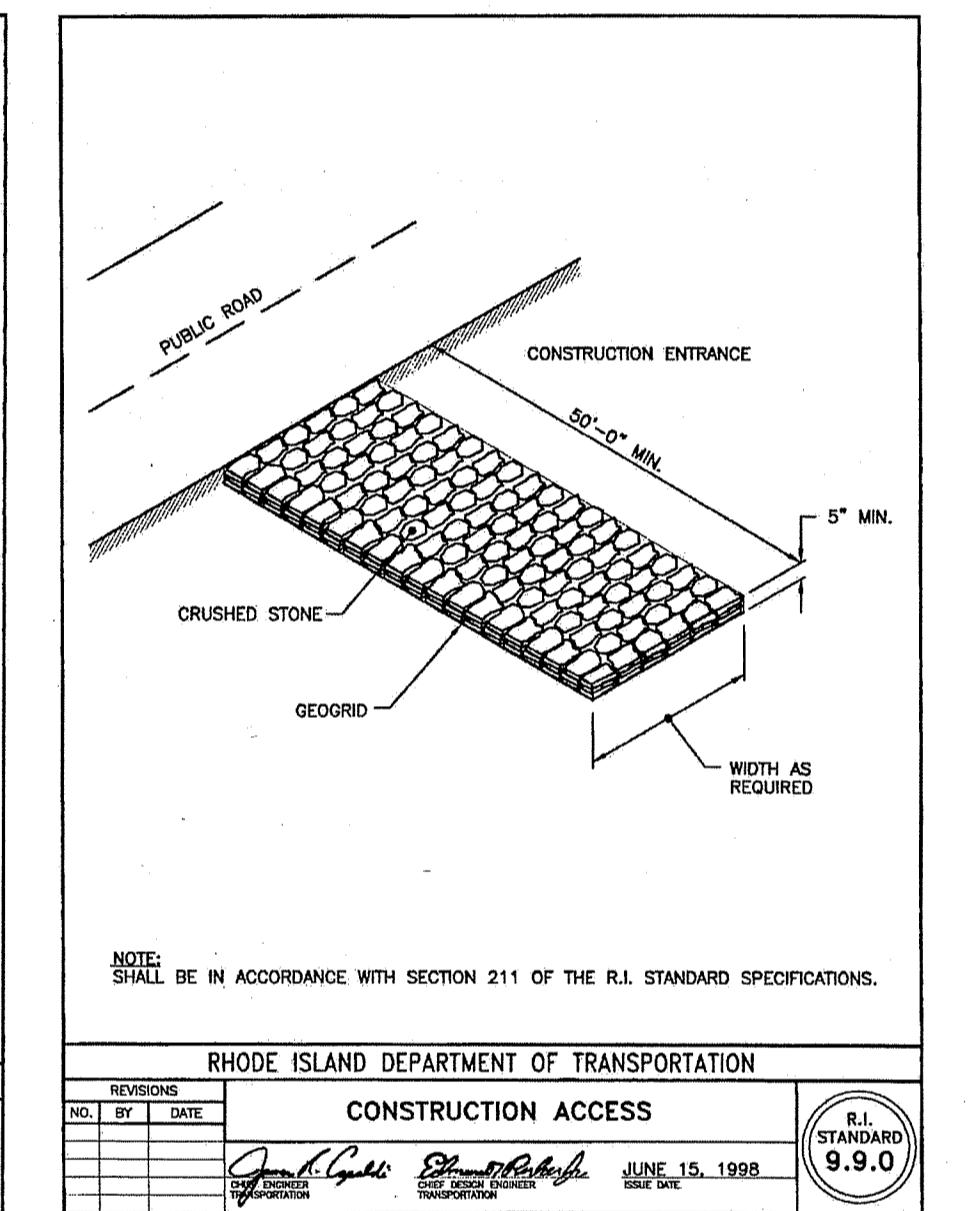
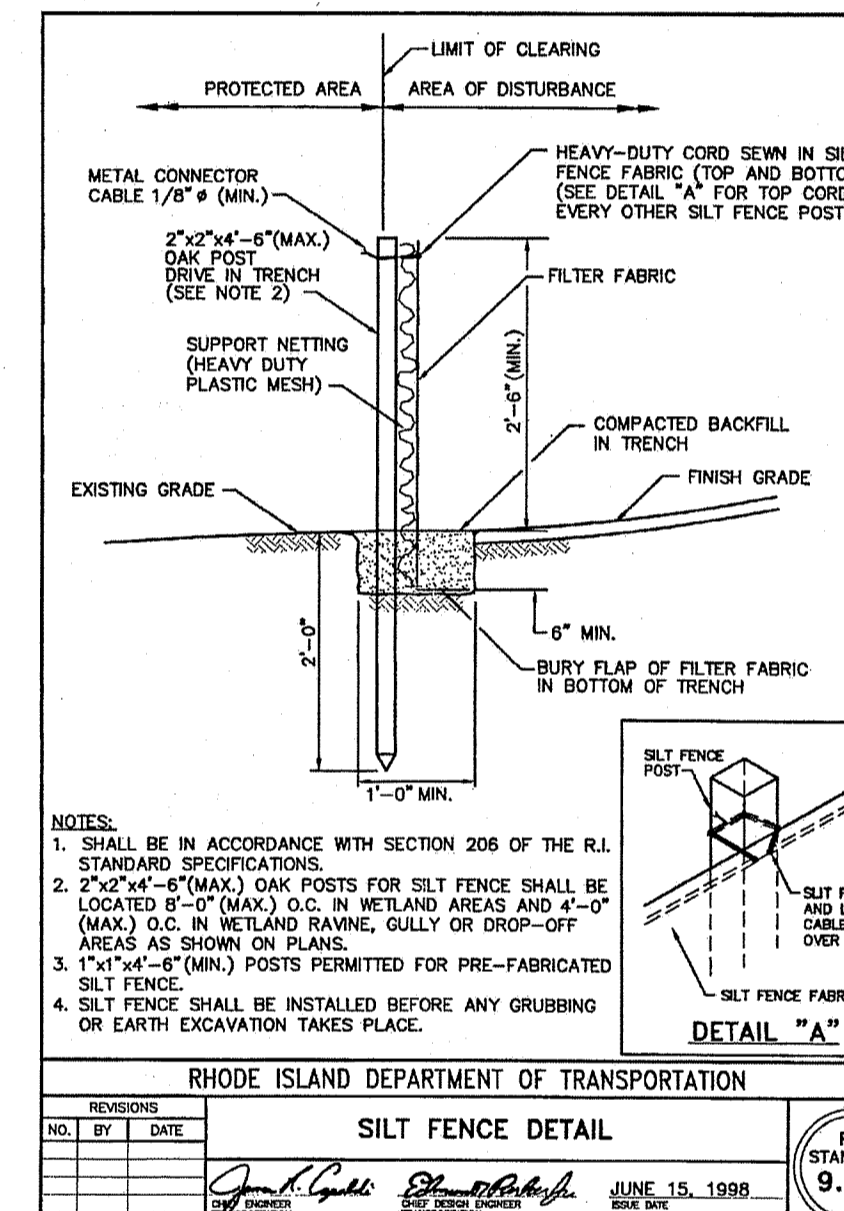
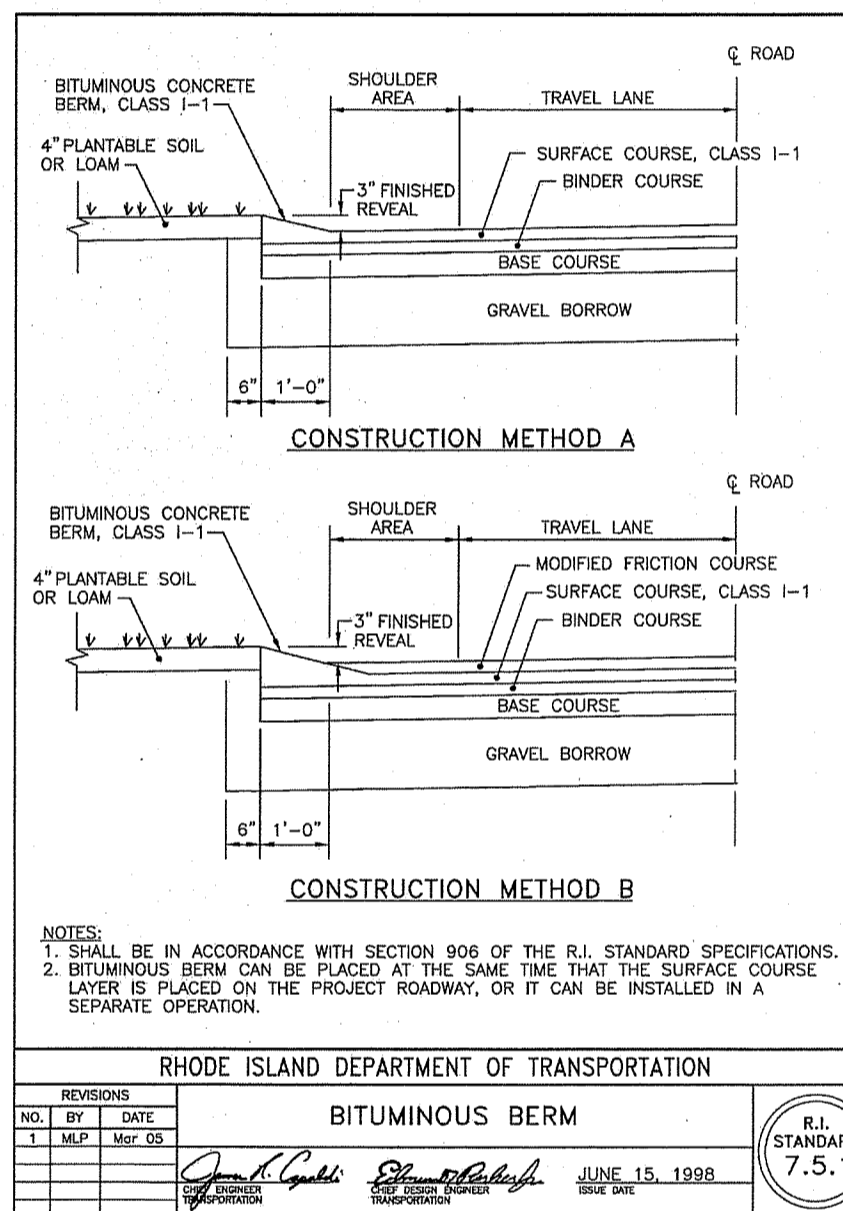
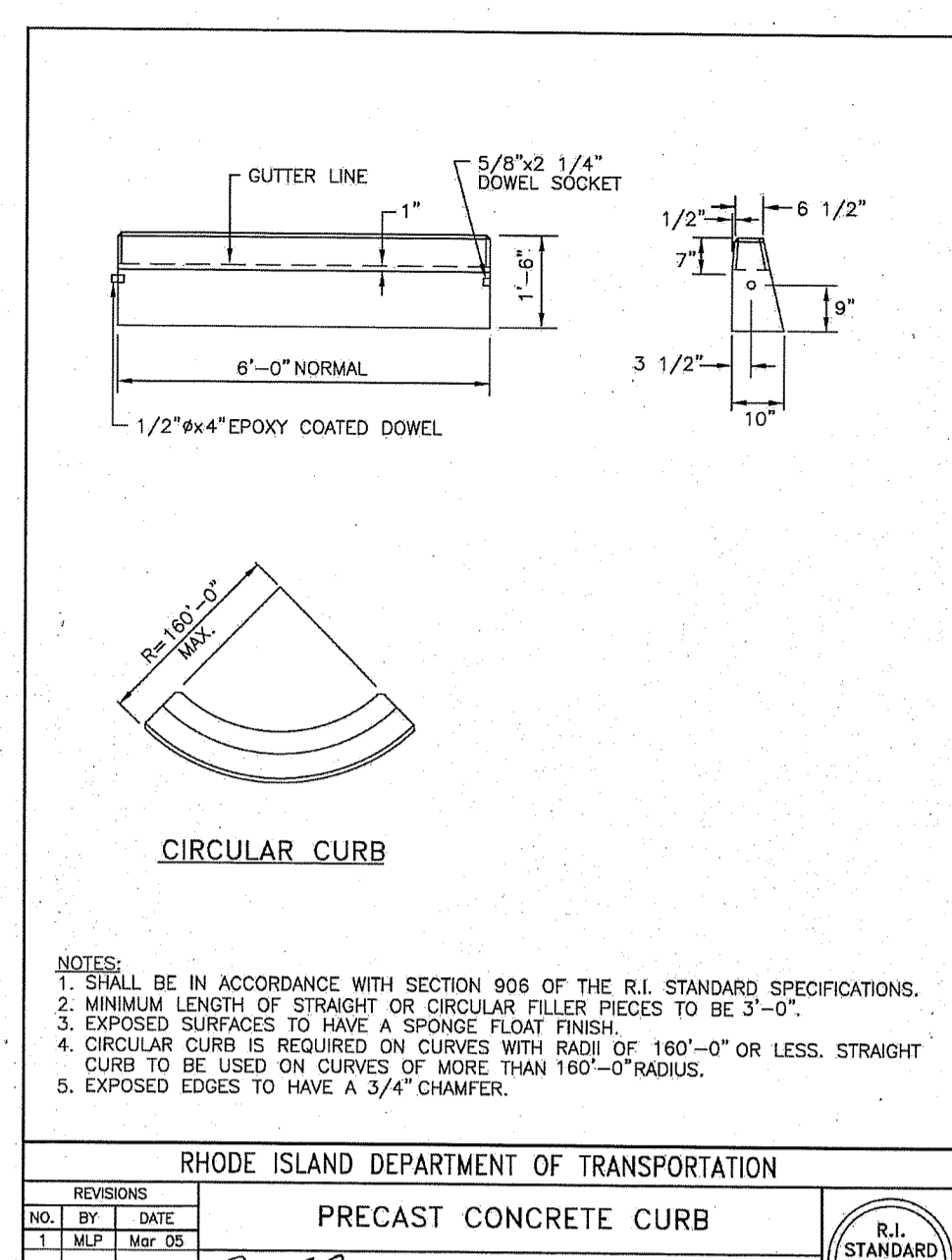
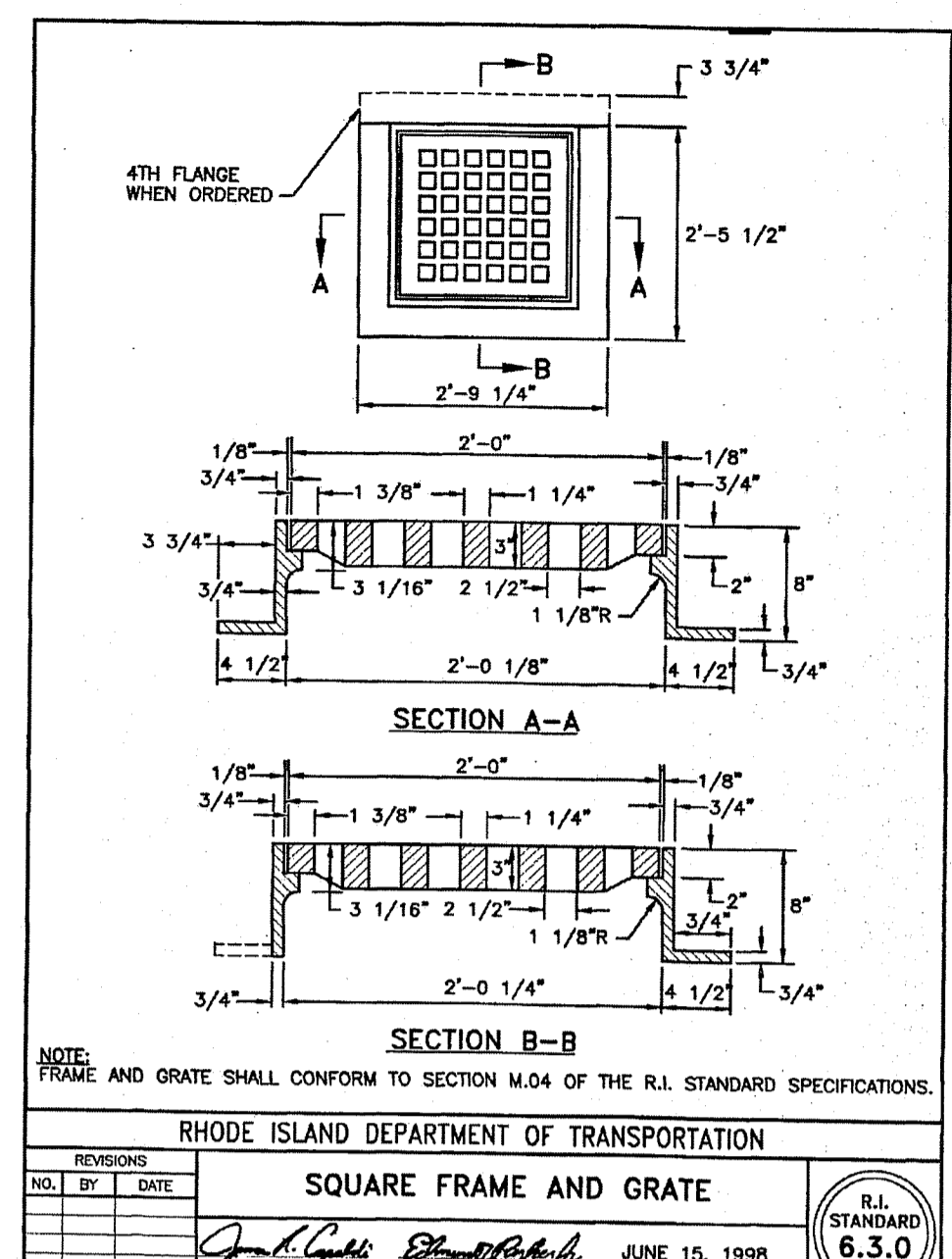
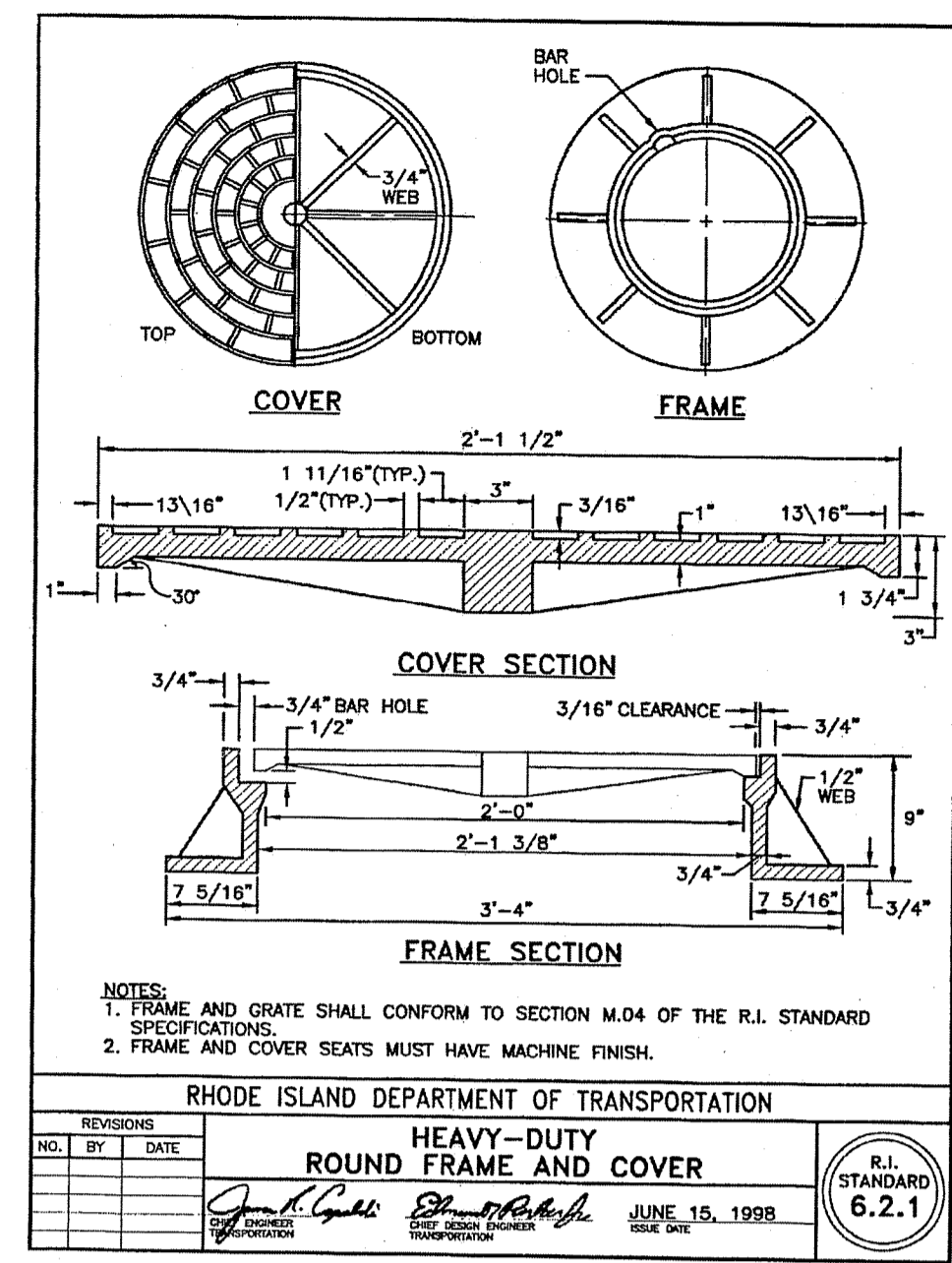
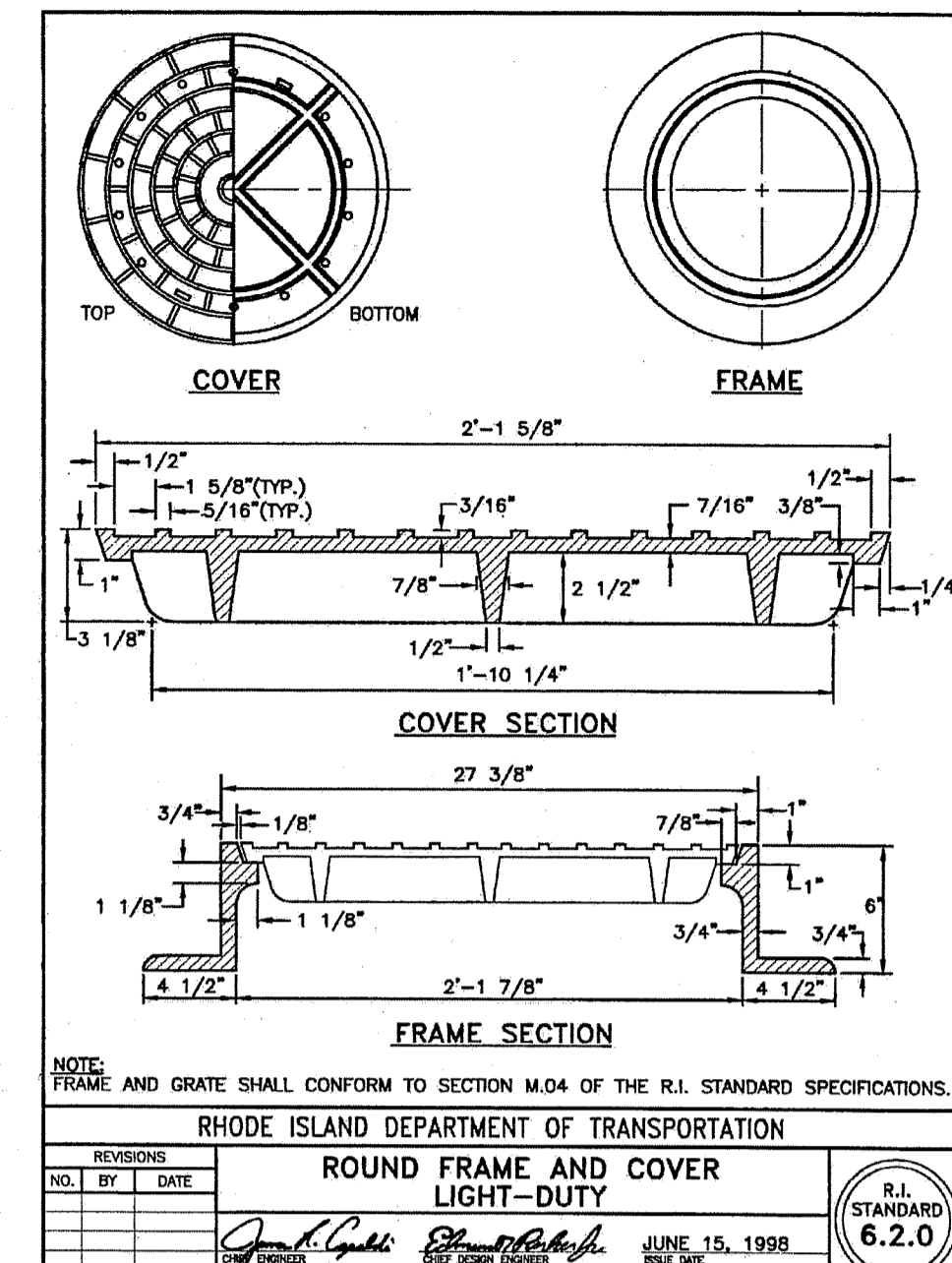
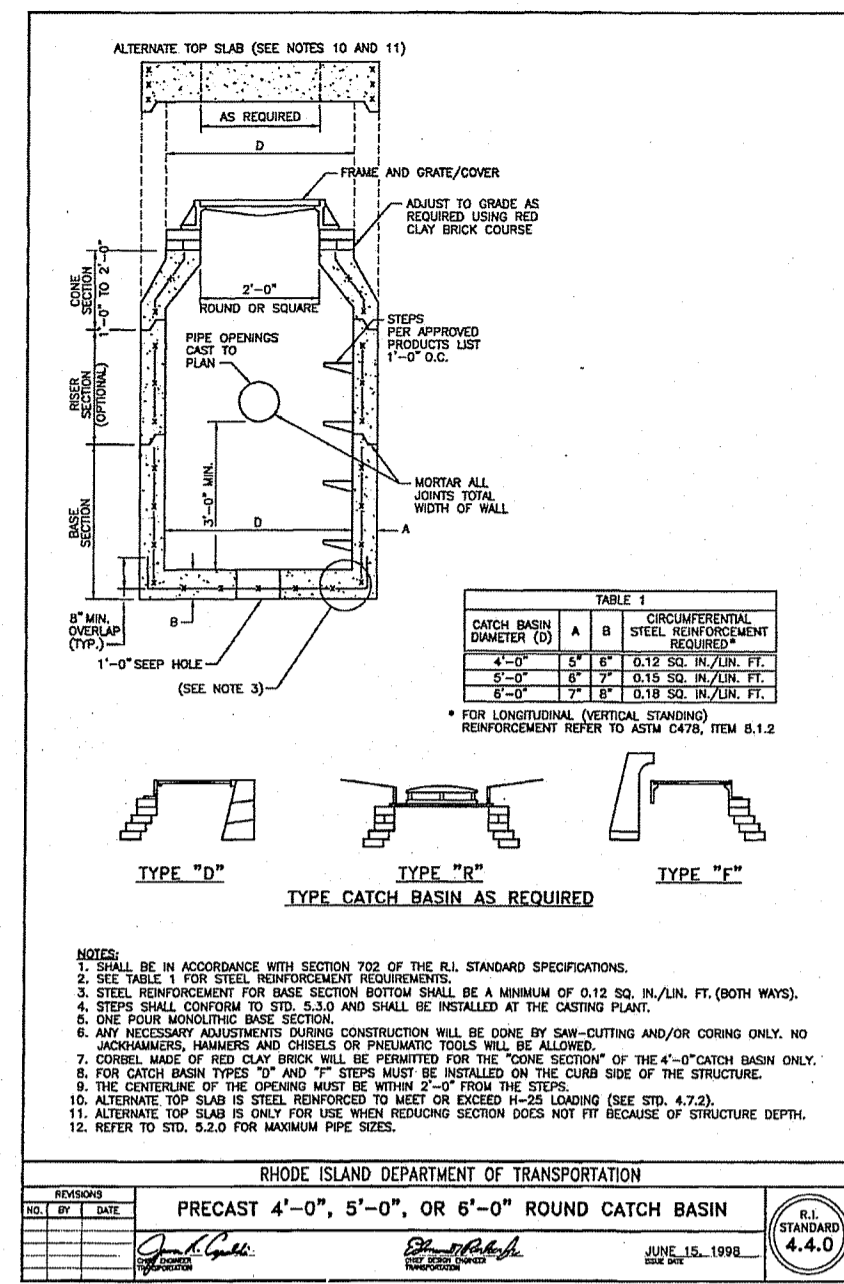
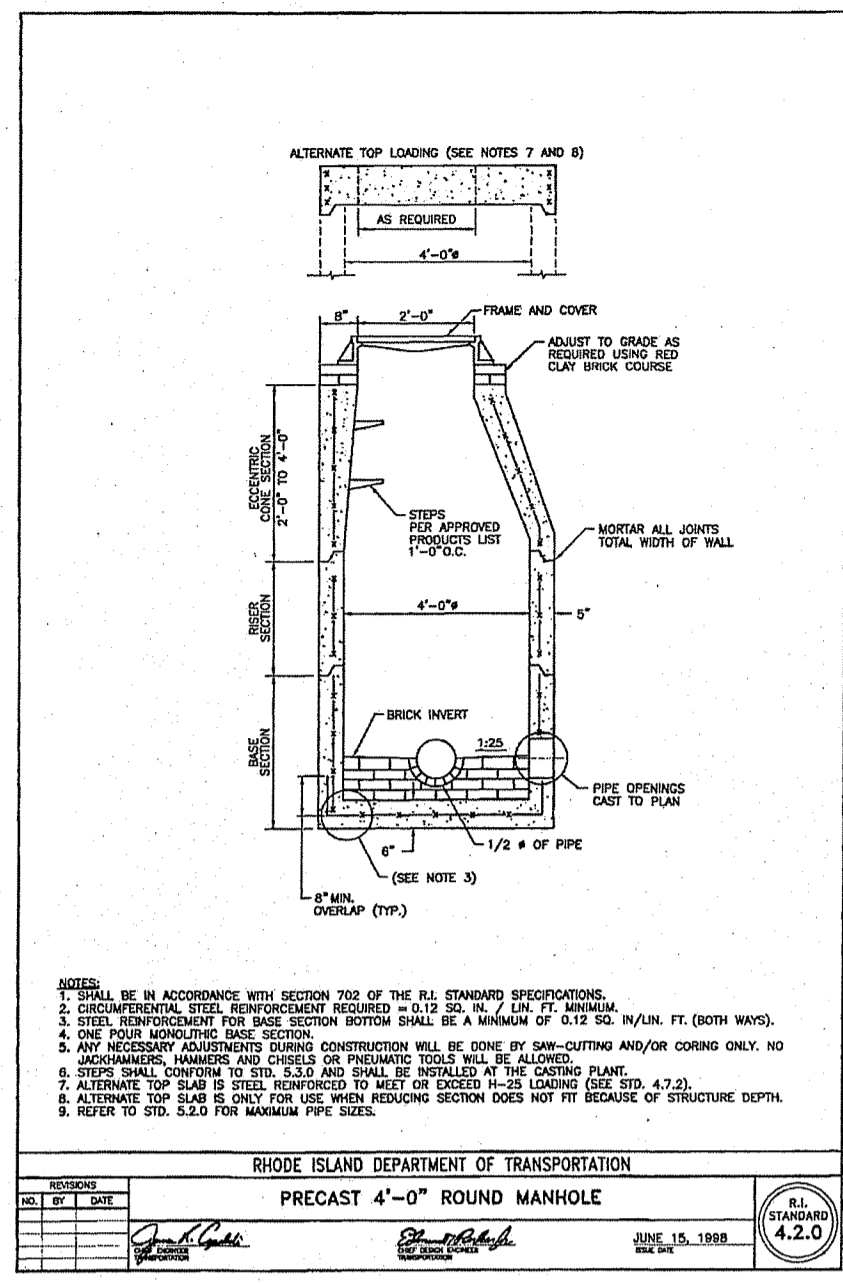
NO.	DATE	DESCRIPTION

DESIGNED BY: WMLJR
DRAWN BY: SD/SP
CHECKED BY: JAC
DATE: JUNE 2020
PROJECT NO: 10-396

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**ROADWAY PROFILE:
CARDINAL LANE**

**SHEET
11 OF 46-19**



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 MAIN STREET
 NORTH SMITHFIELD, RHODE ISLAND
 AP 4, LOT 9

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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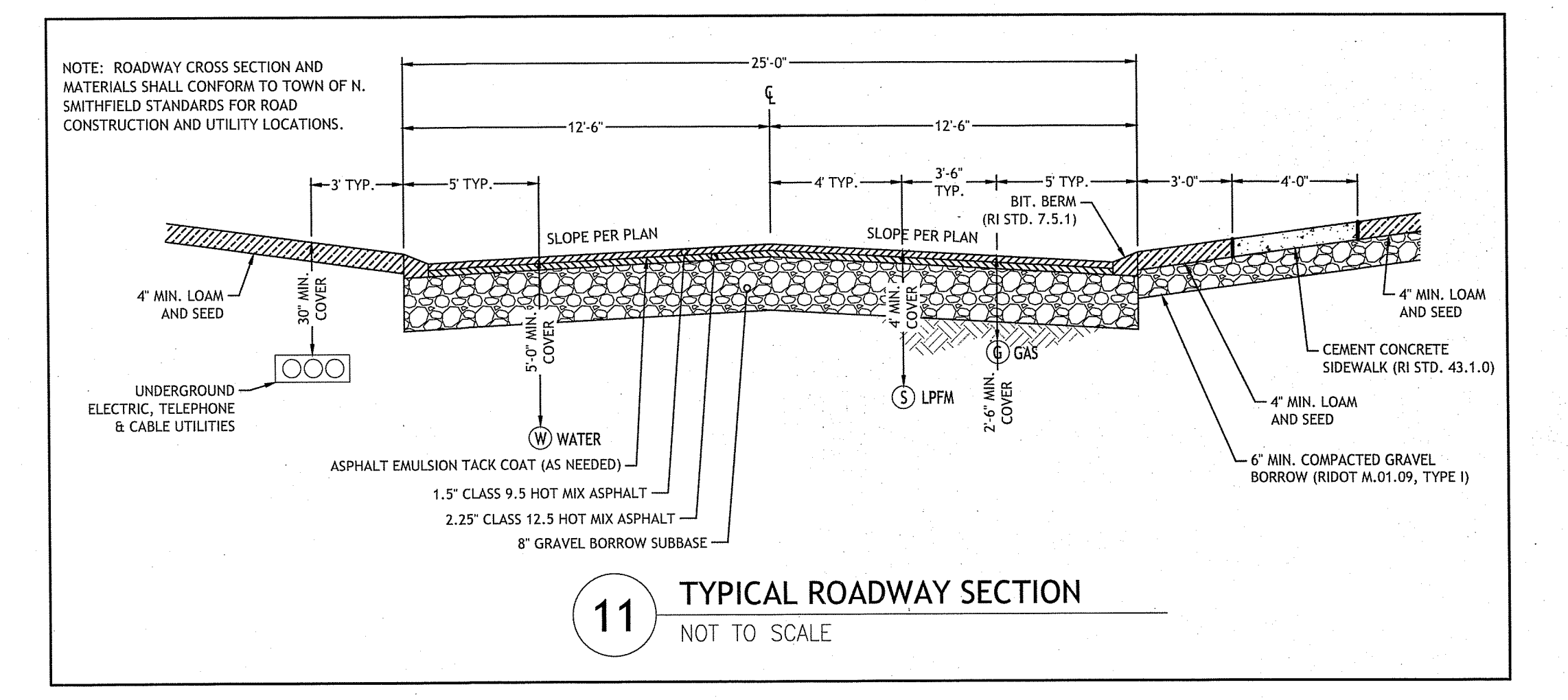
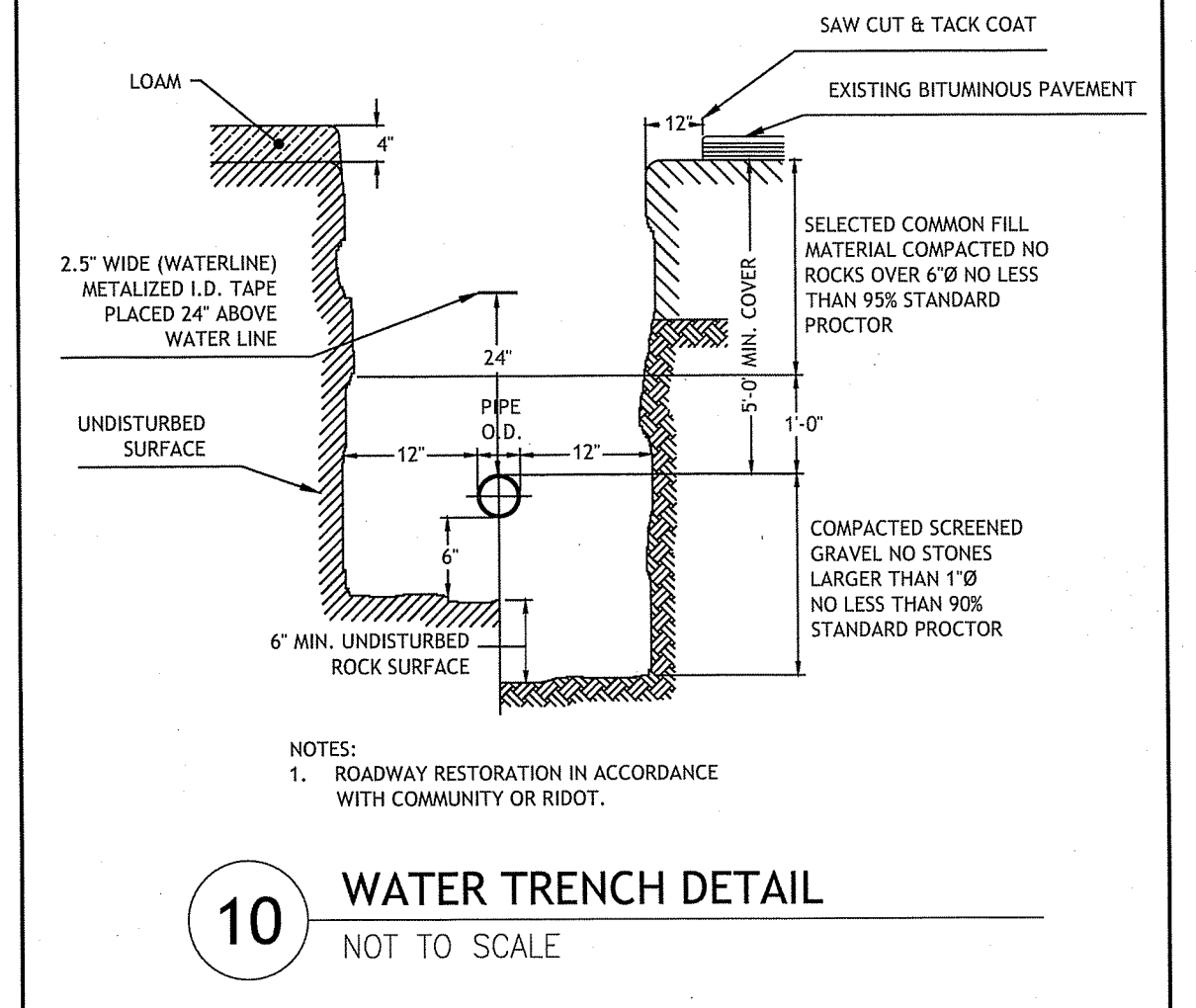
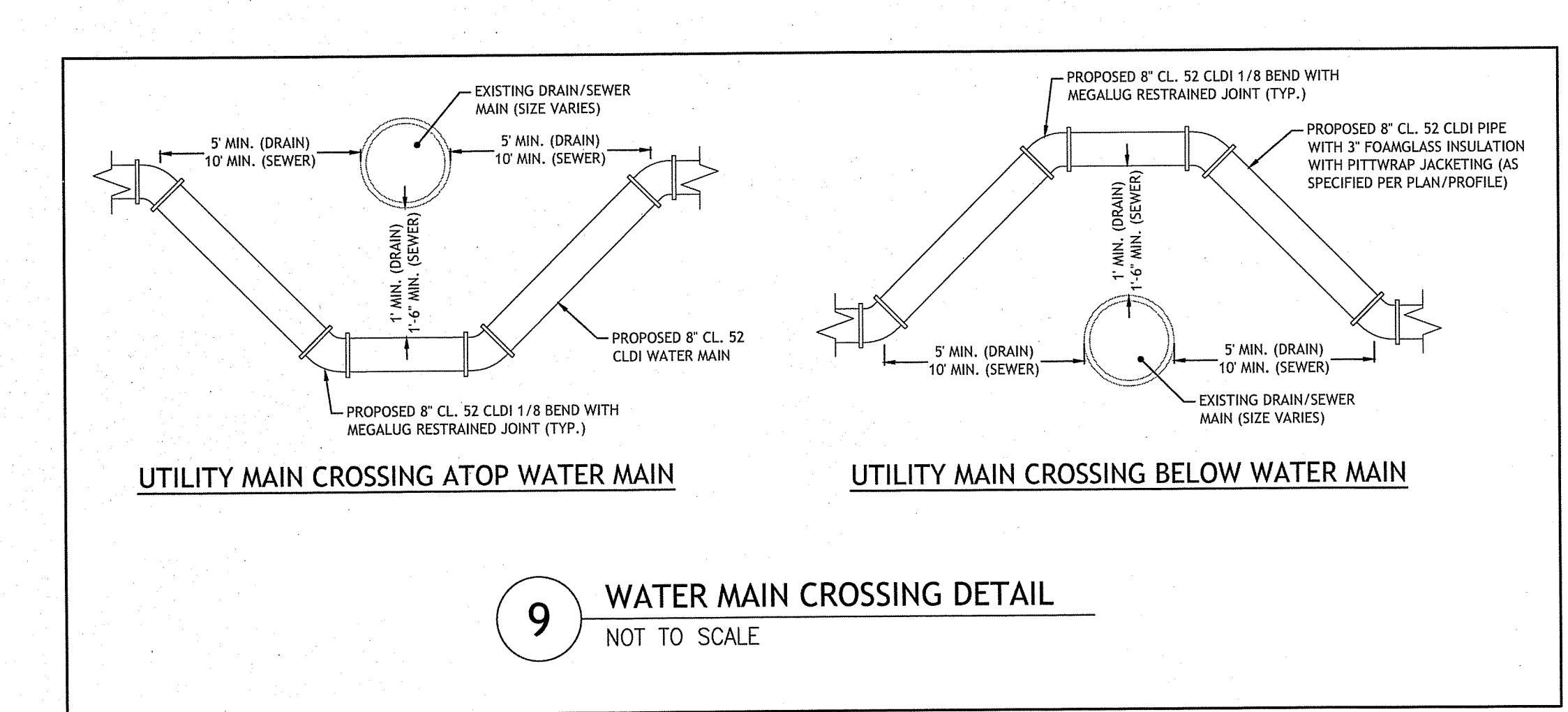
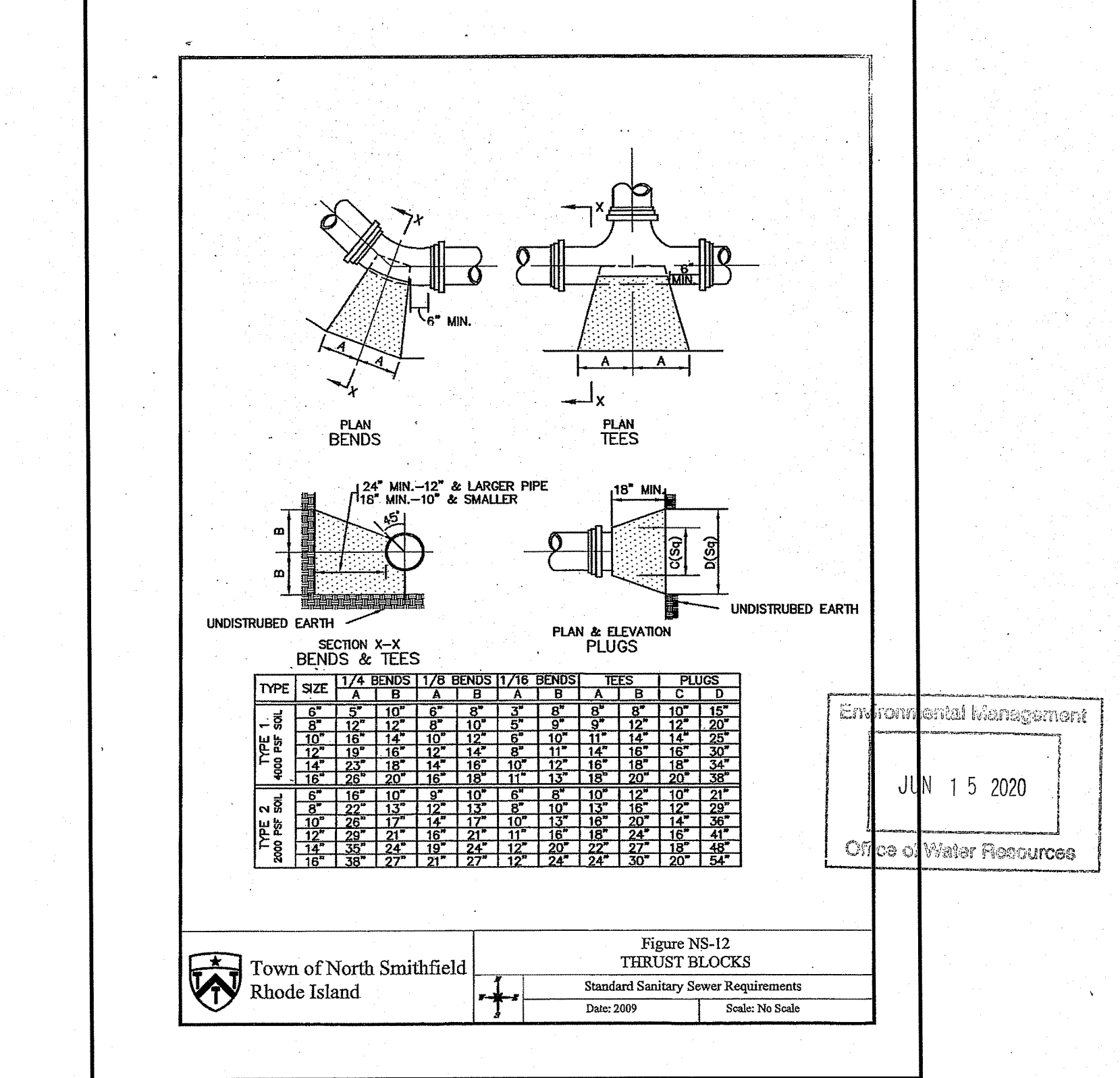
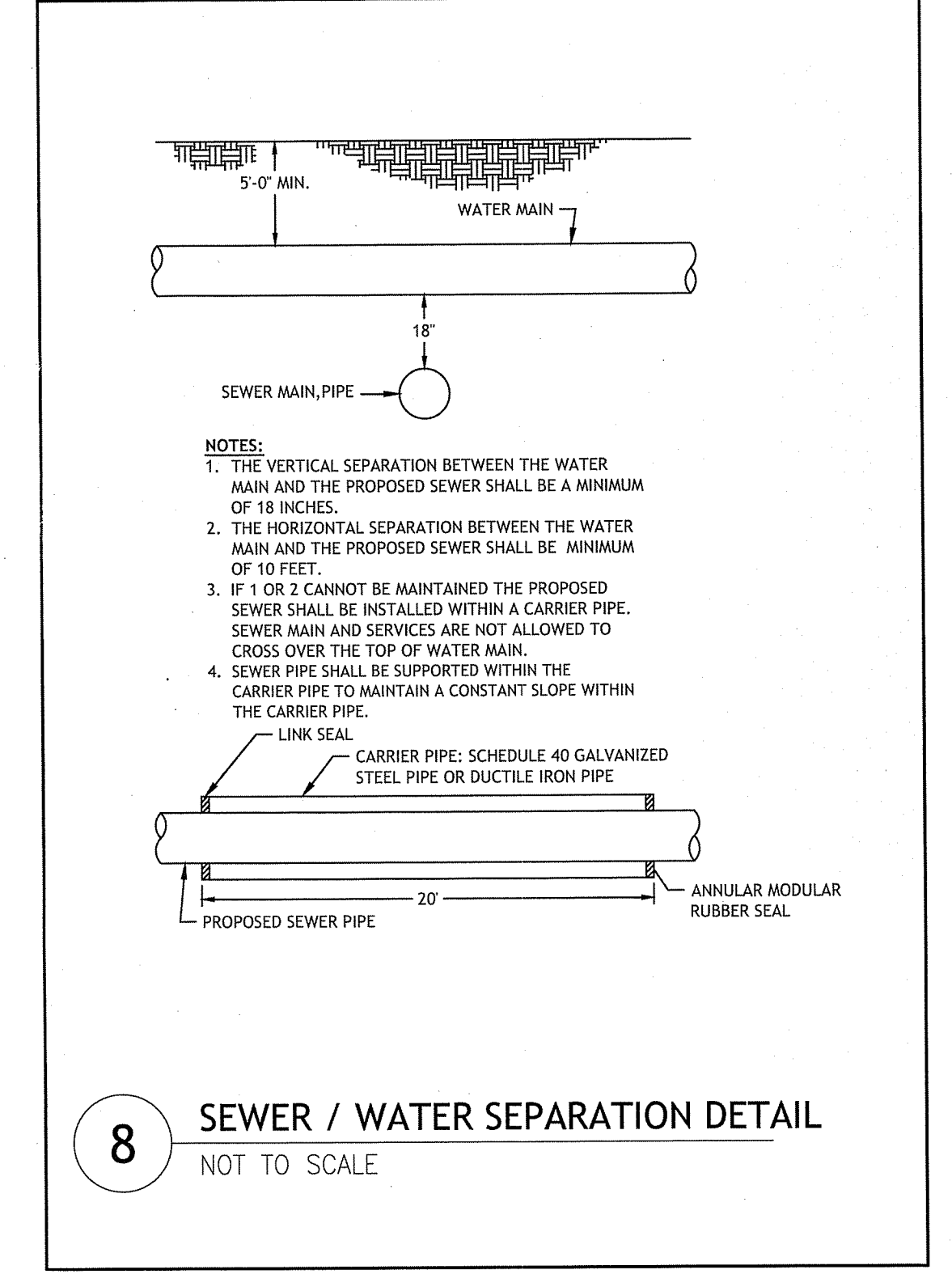
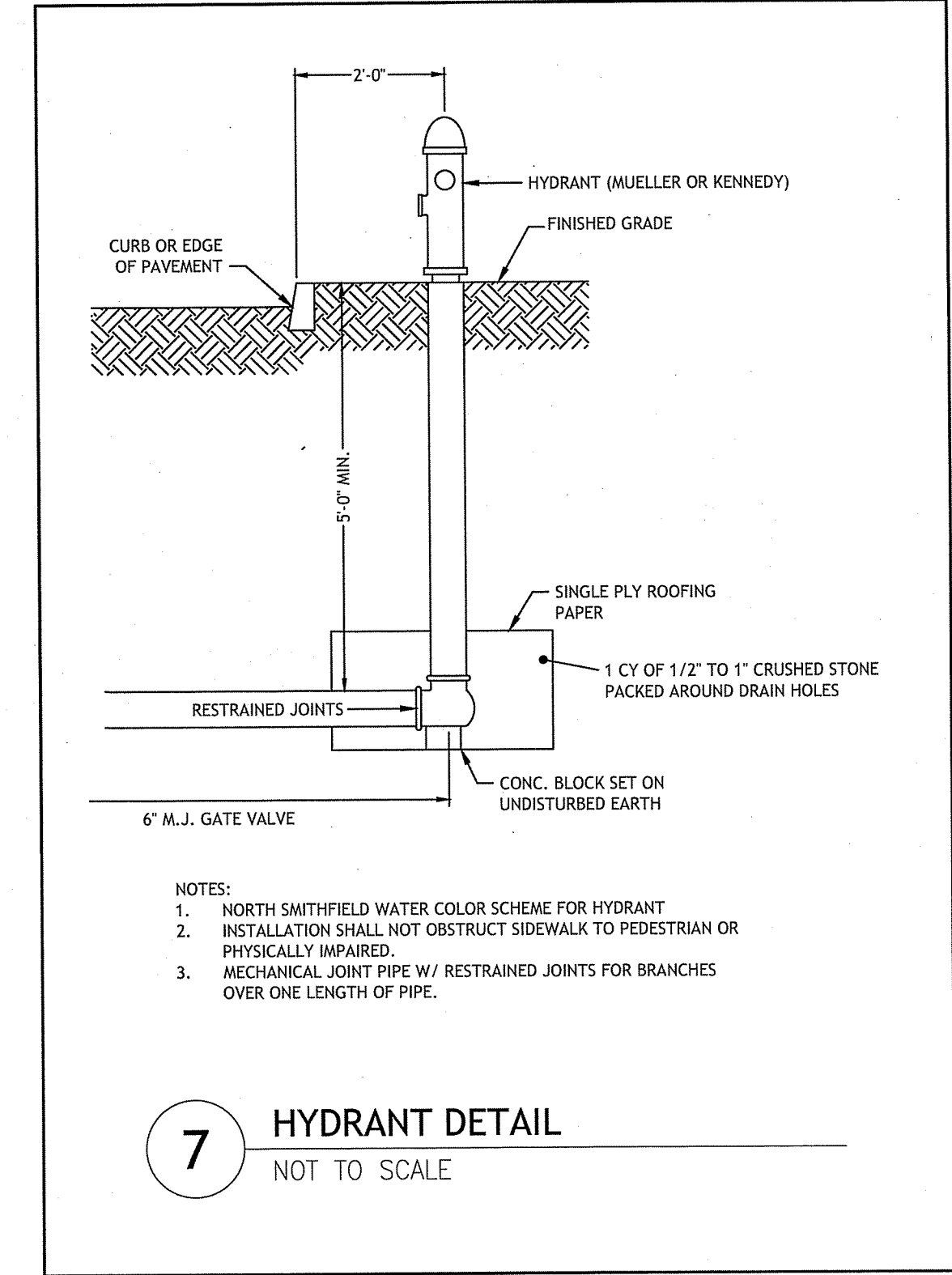
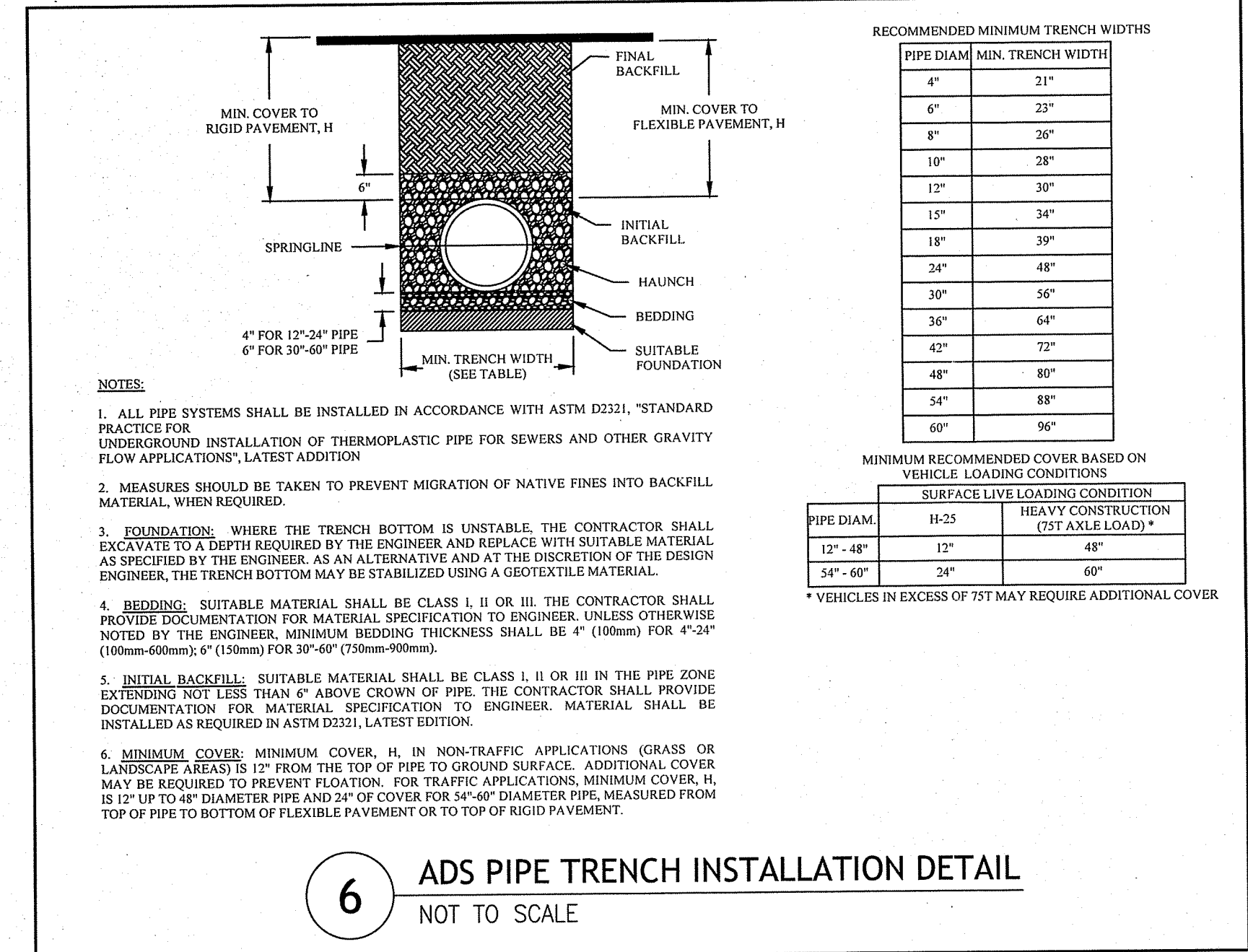
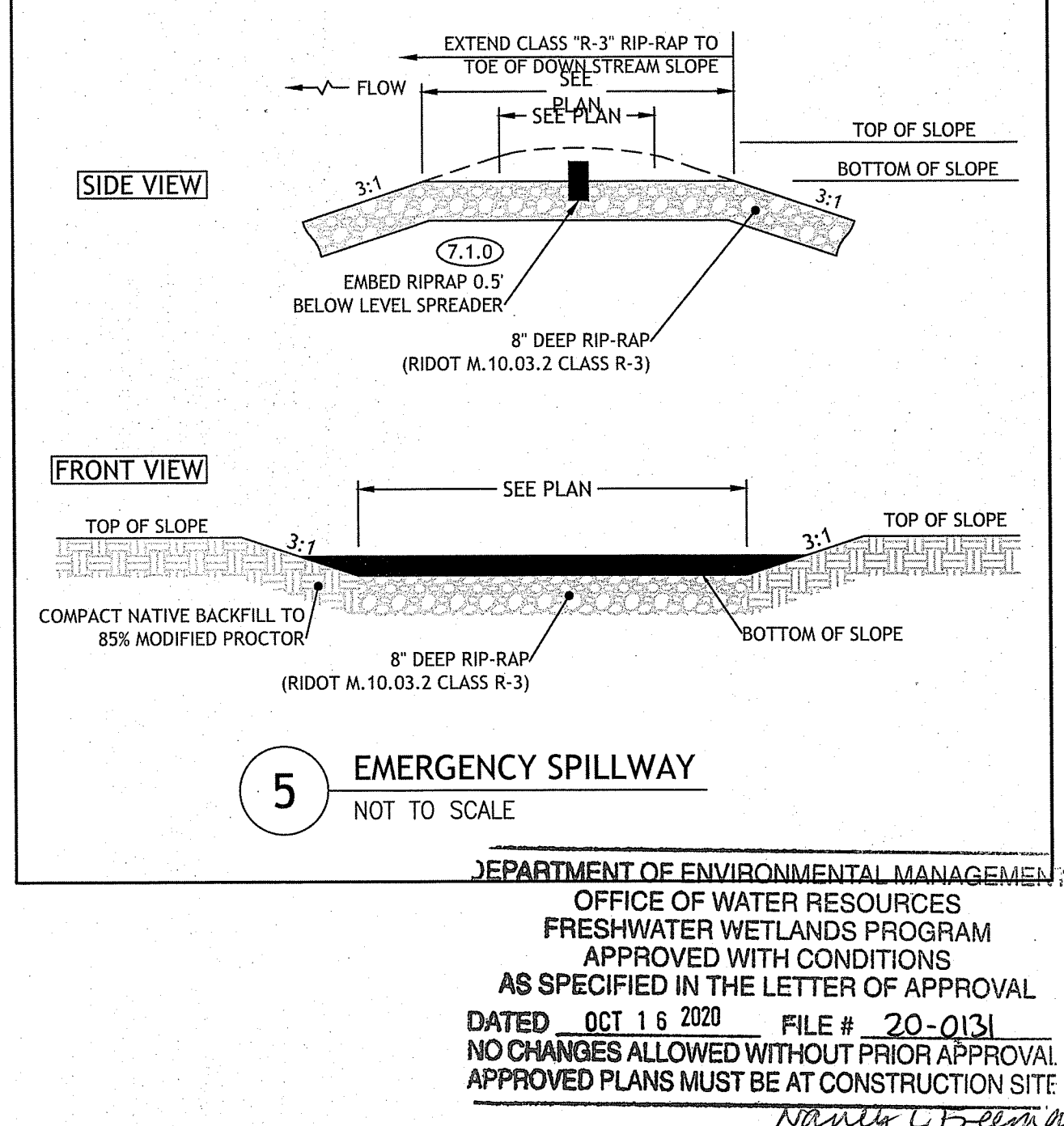
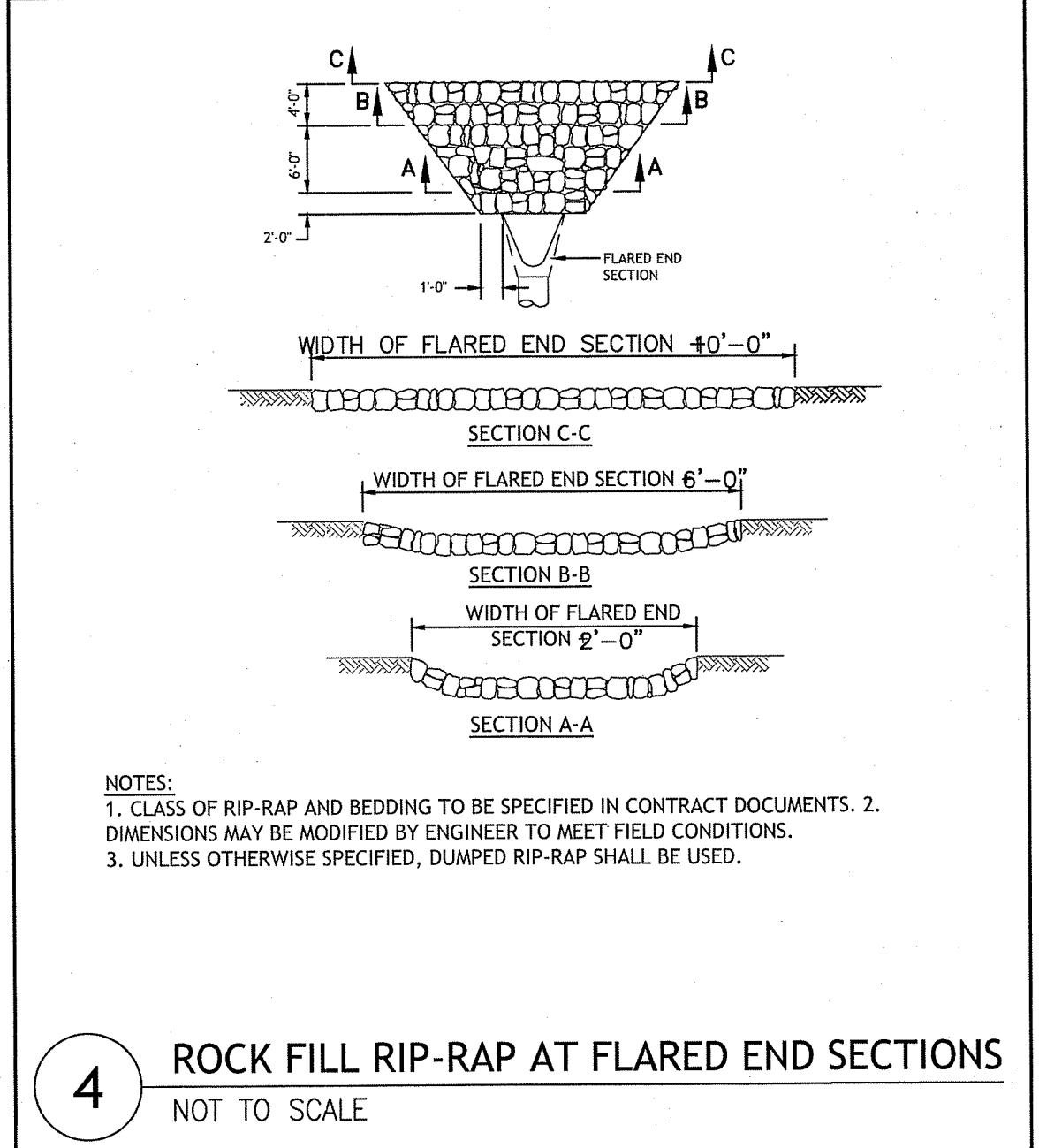
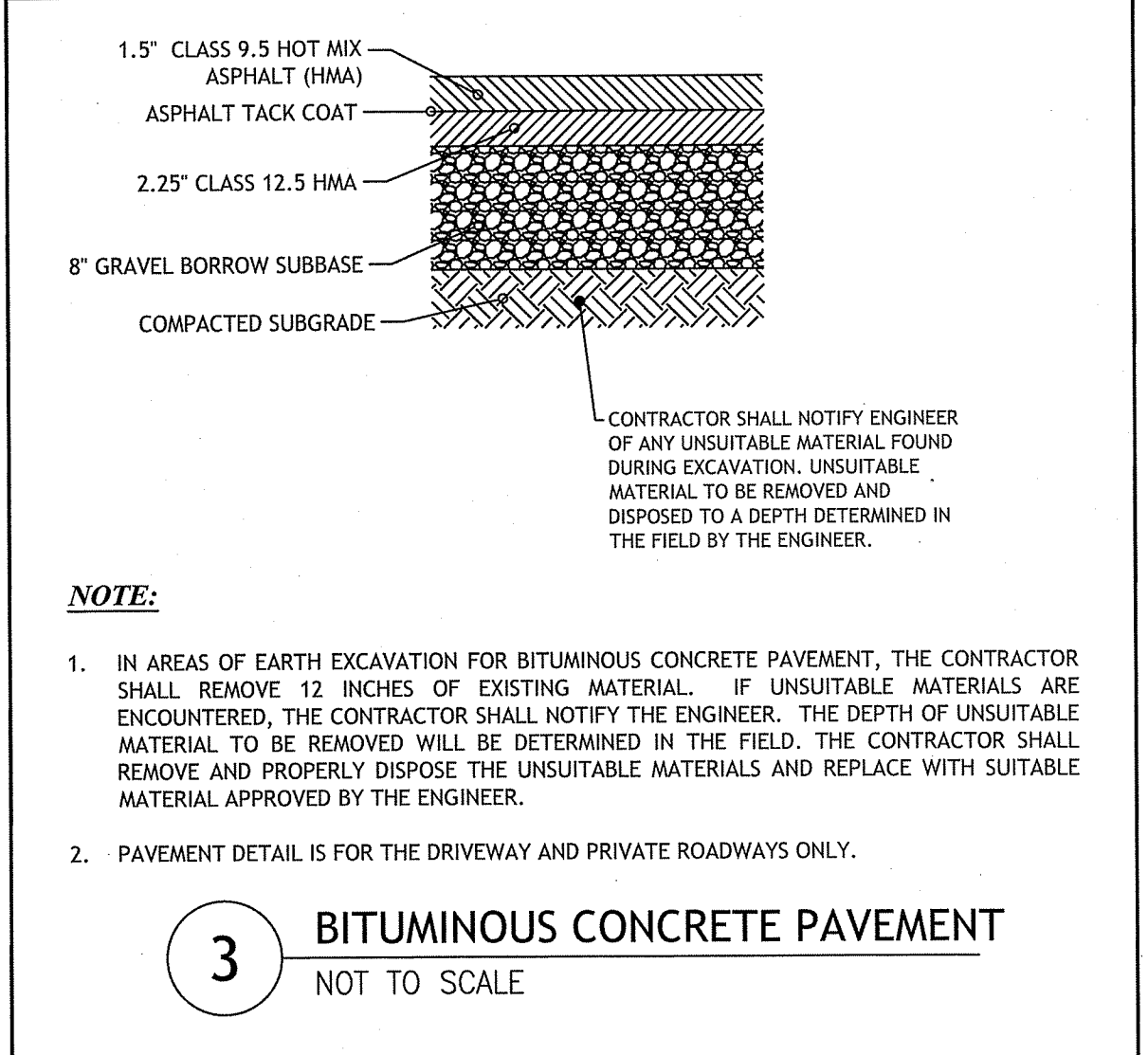
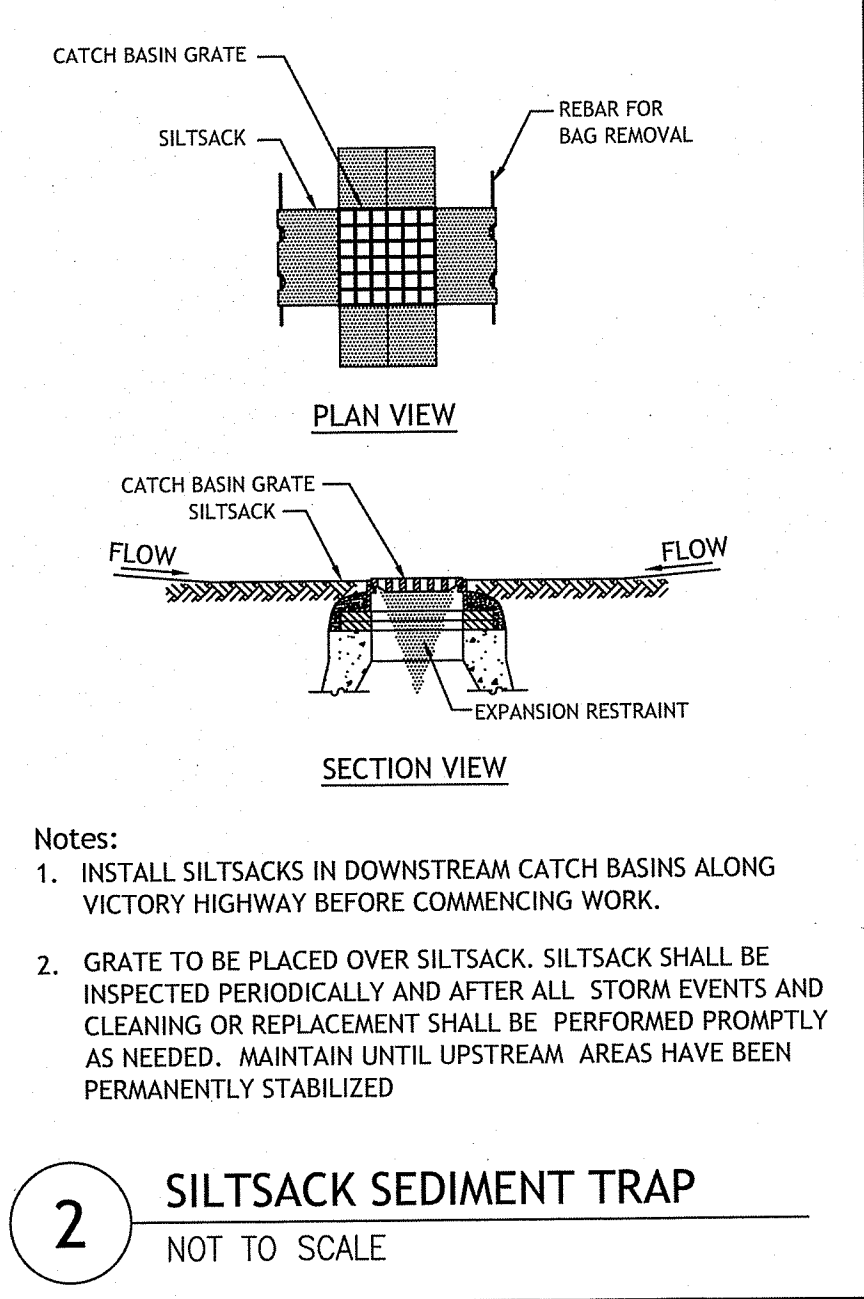
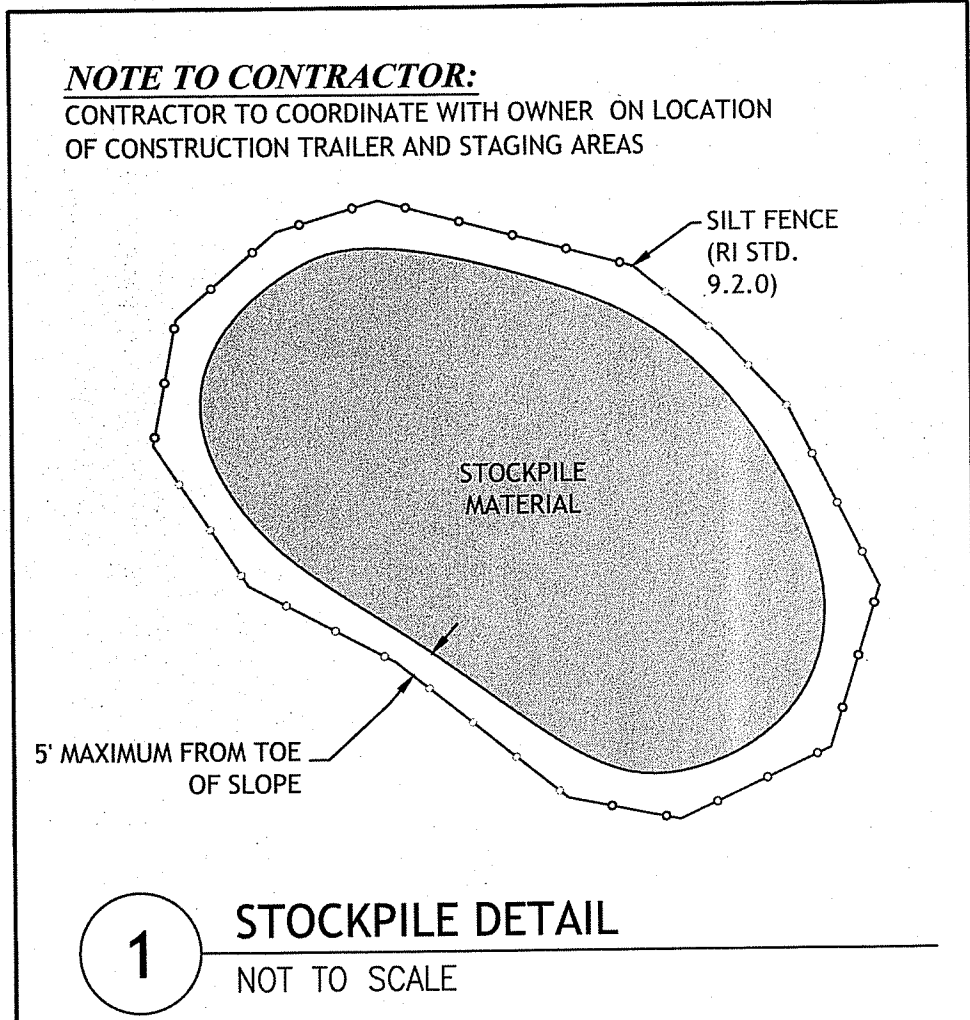
DESIGNED BY: WMLR
 DRAWN BY: SDSP
 CHECKED BY: JAC
 DATE: JUNE 2020
 PROJECT NO: 10-396

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RHODE ISLAND STANDARD DETAILS

SHEET 12 OF 16-19

Q:\10-39 Silver Pines Elderly Assisted Living Facility\10-396 Phase II\CAD\Silver Pines II (Preliminary) Plan.dwg, Jun 15, 2020 11:24am



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JOSEPH A. CASALI
JOCE CASALI ENGINEERING, INC.
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CIVIL

SILVER PINES - PHASE II
MAIN STREET
NORTH SMITHFIELD, RHODE ISLAND
AP 4, LOT 9

REVISIONS:
NO. DATE DESCRIPTION

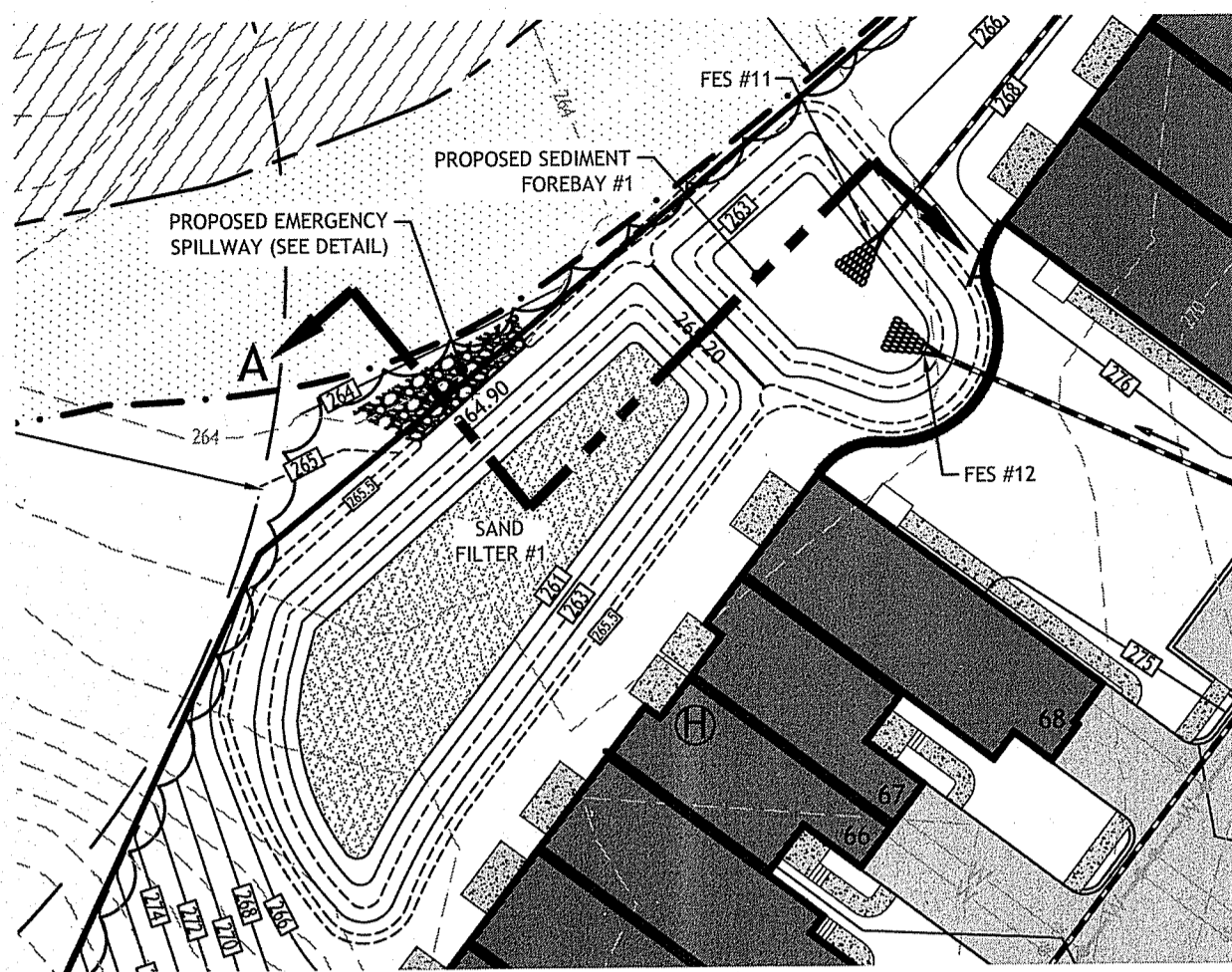
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CHECKED BY: JAC
DATE: JUNE 2020
PROJECT NO: 10-39b

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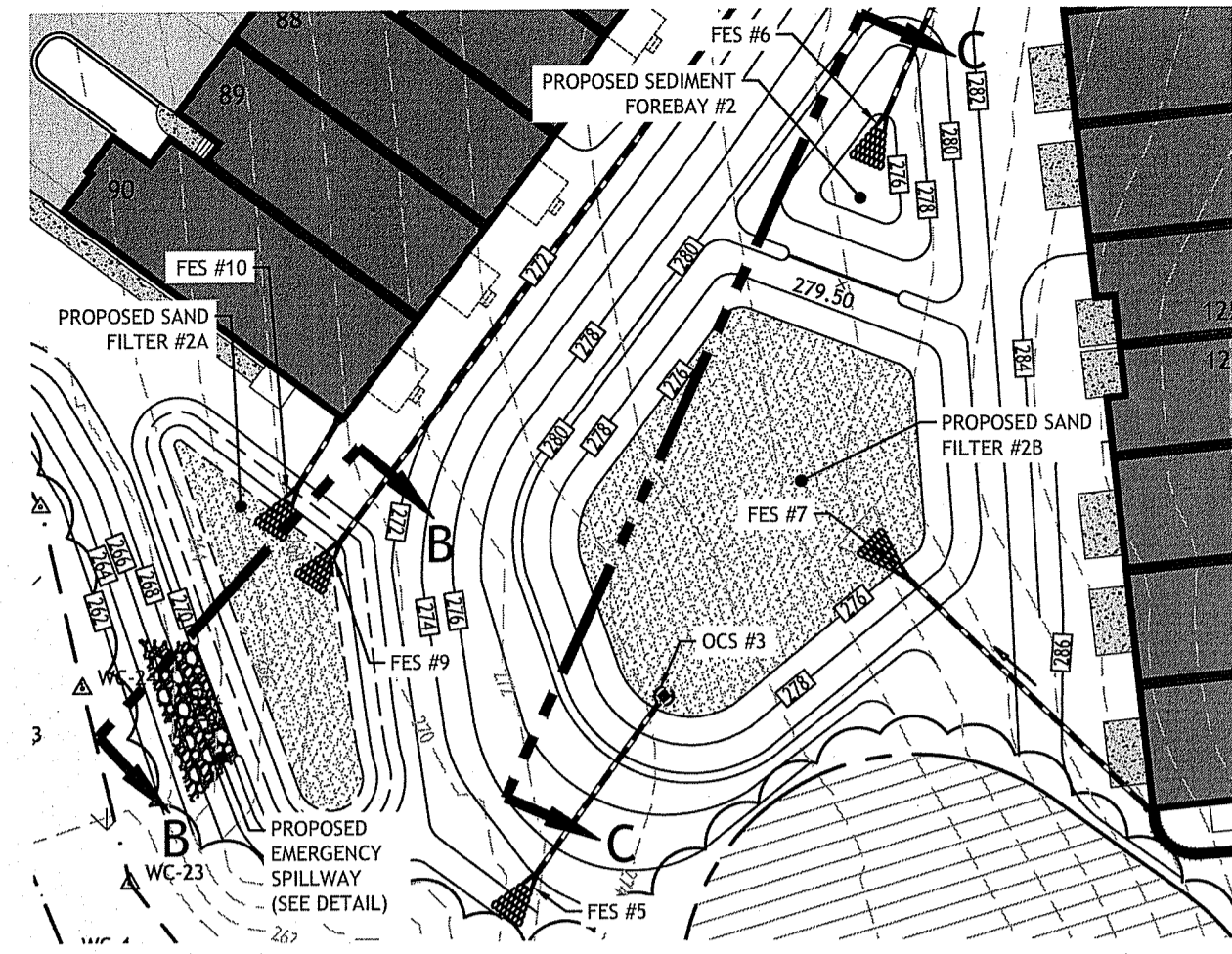
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SHEET 13 OF 46-19

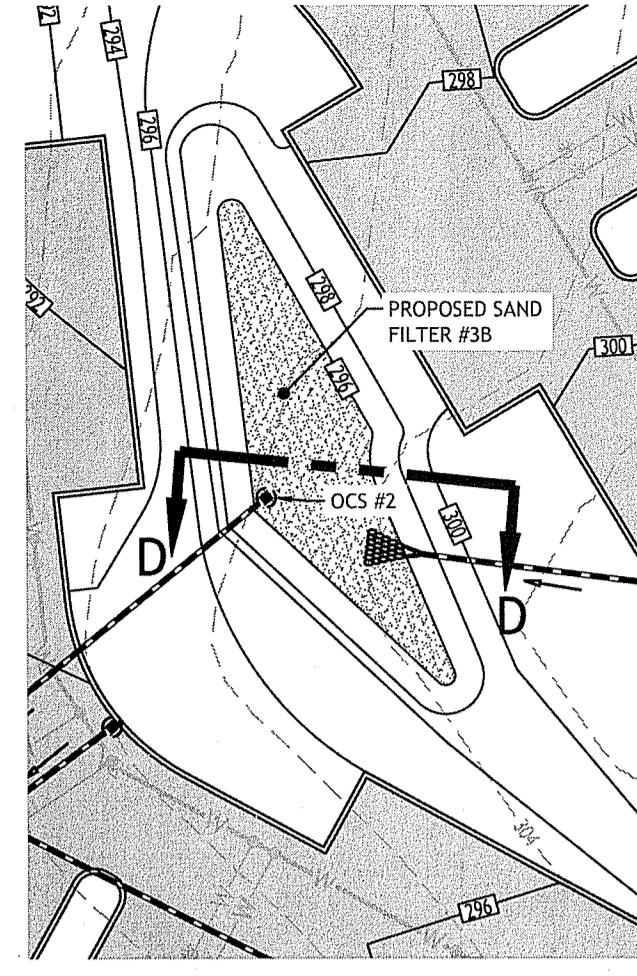
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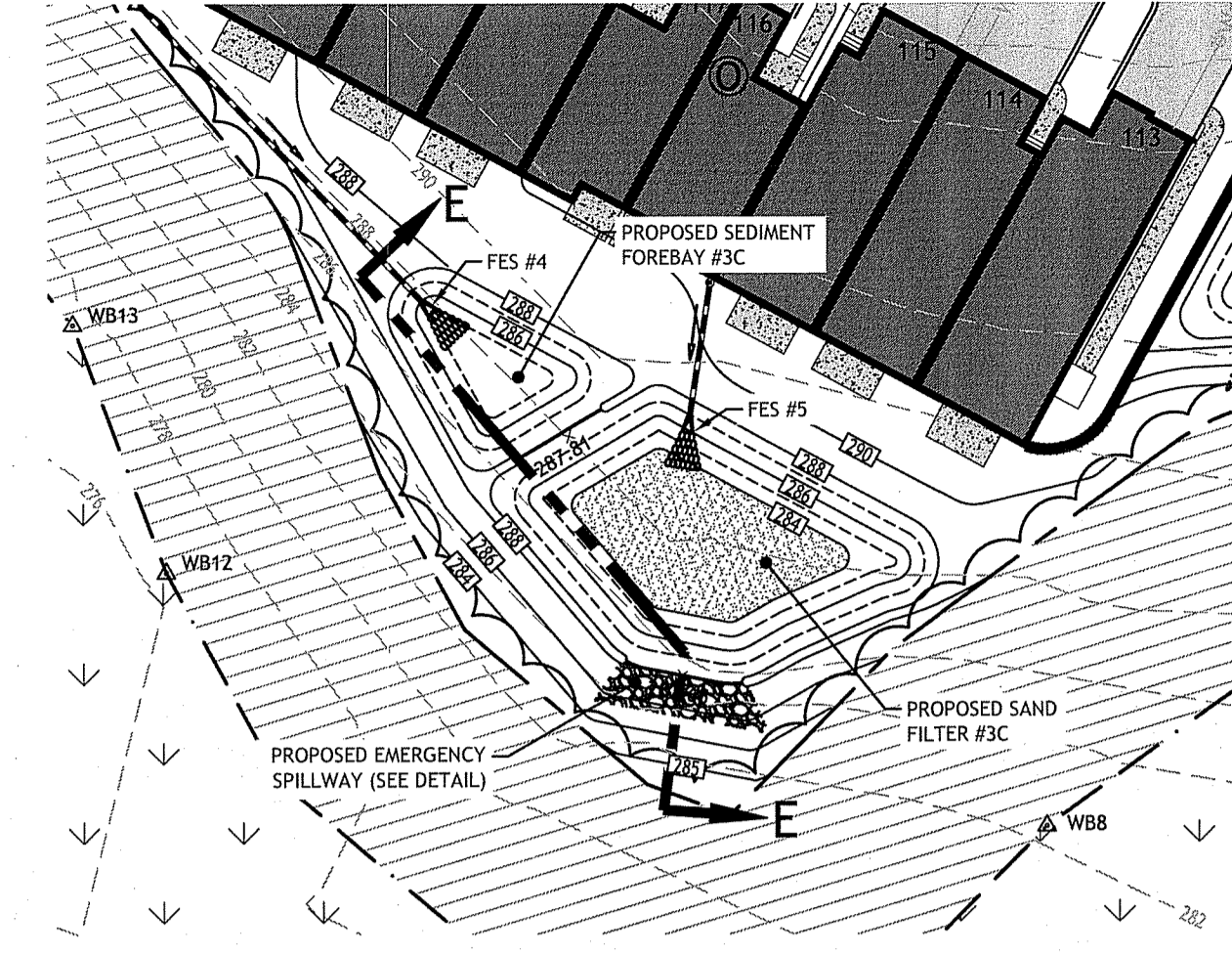
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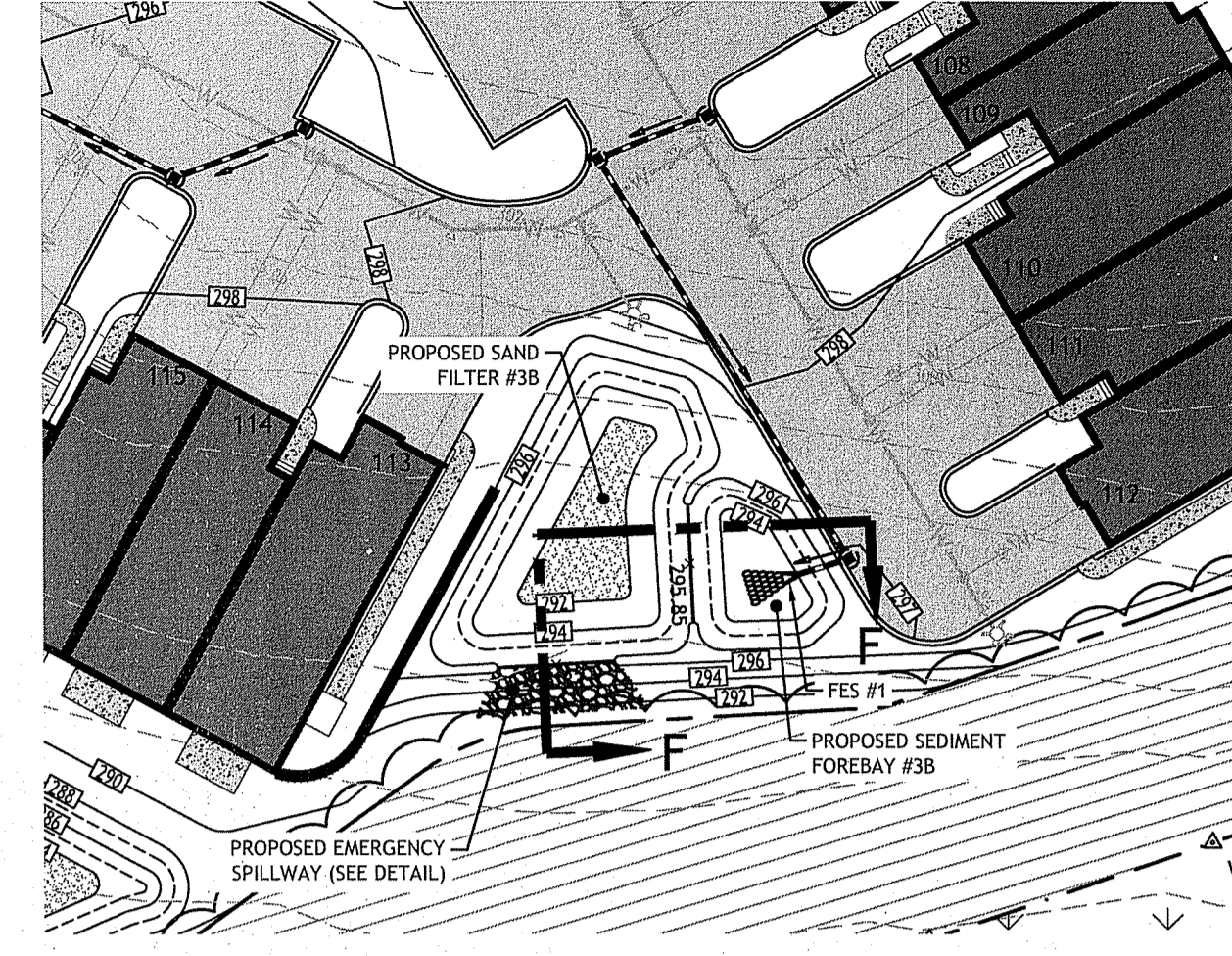
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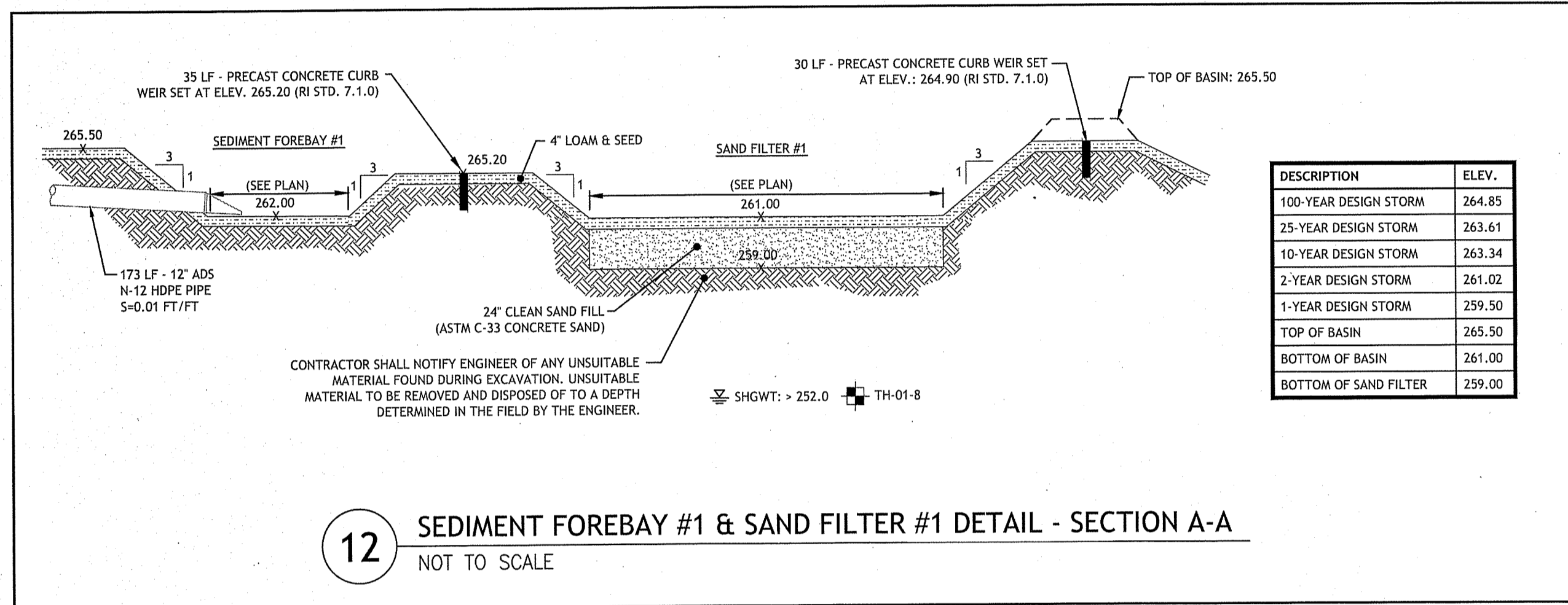
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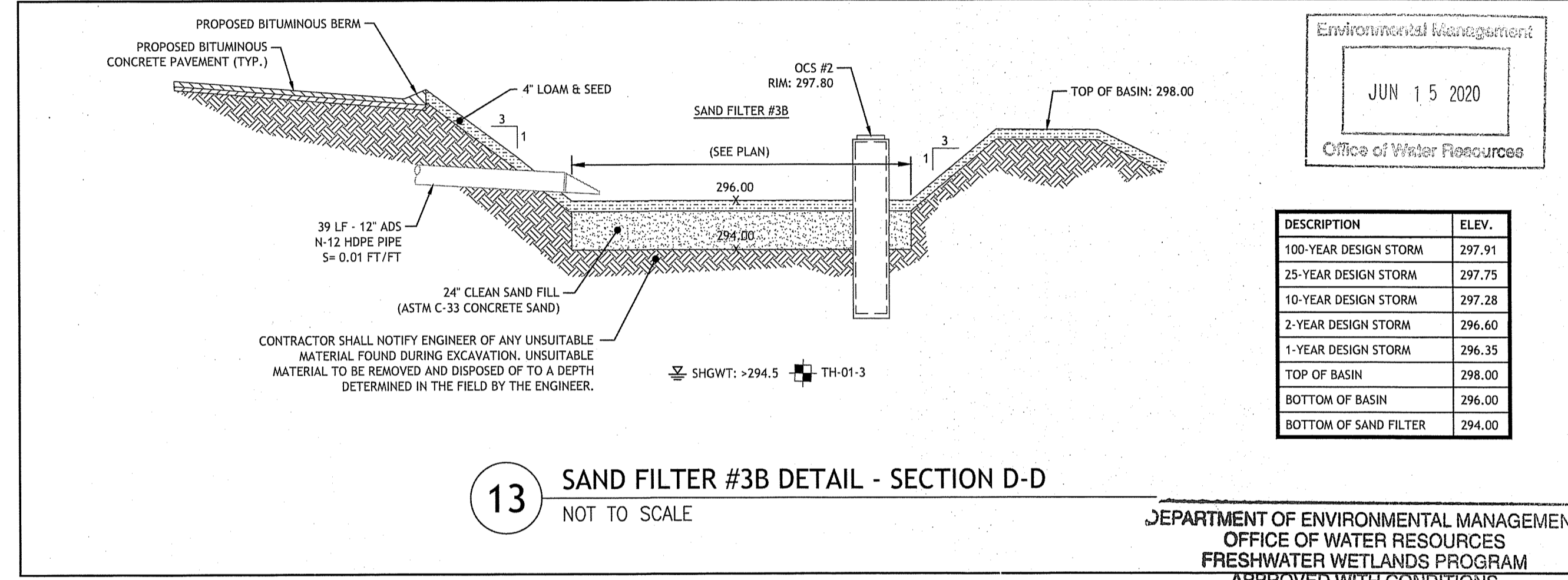
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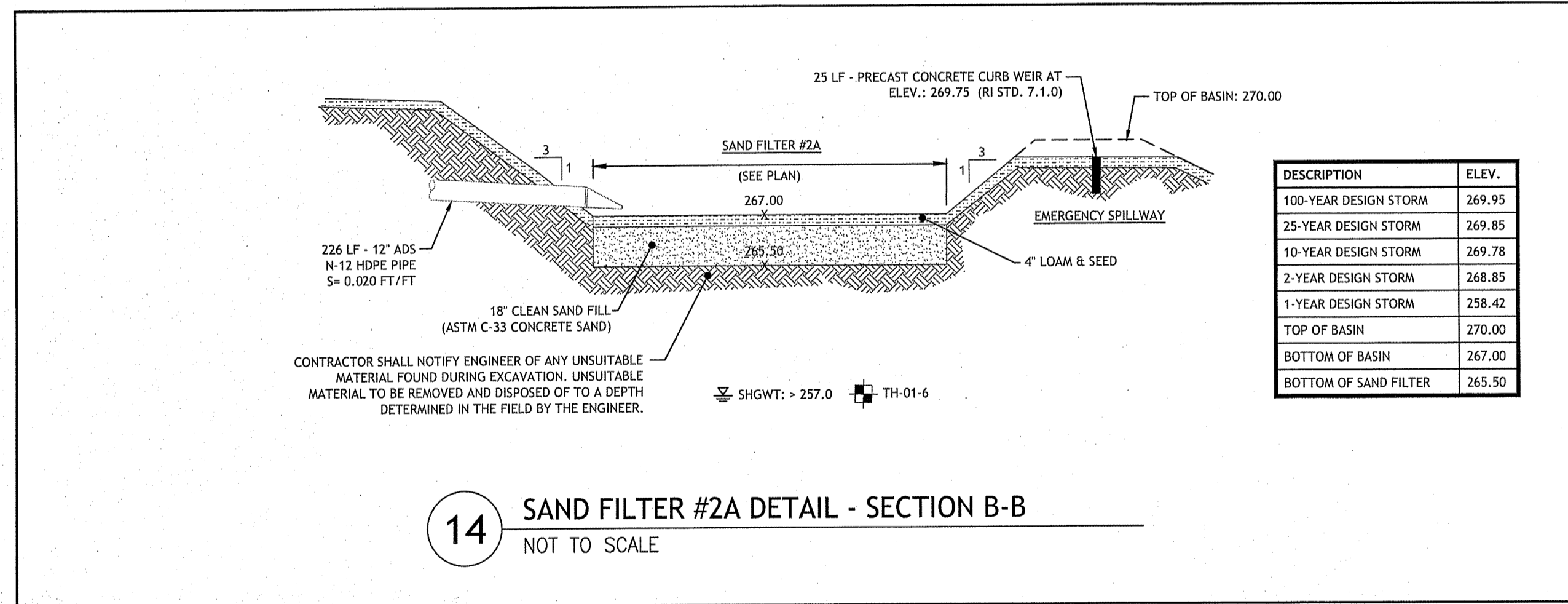


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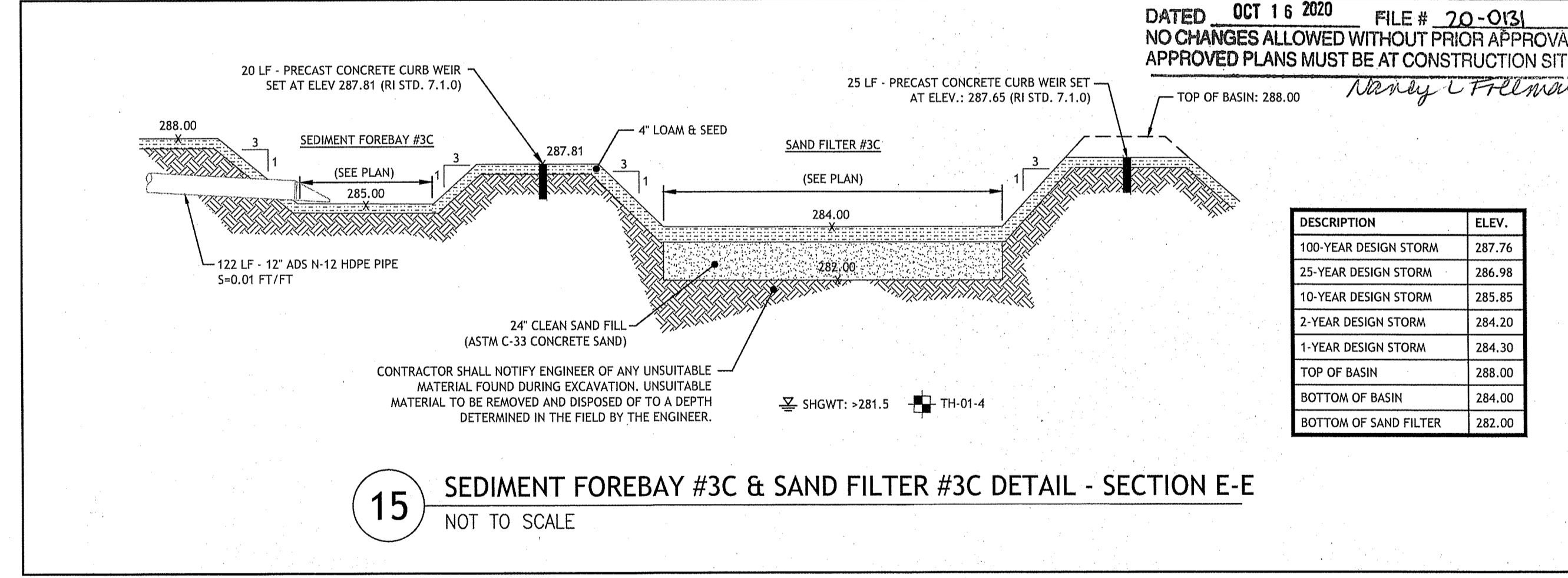


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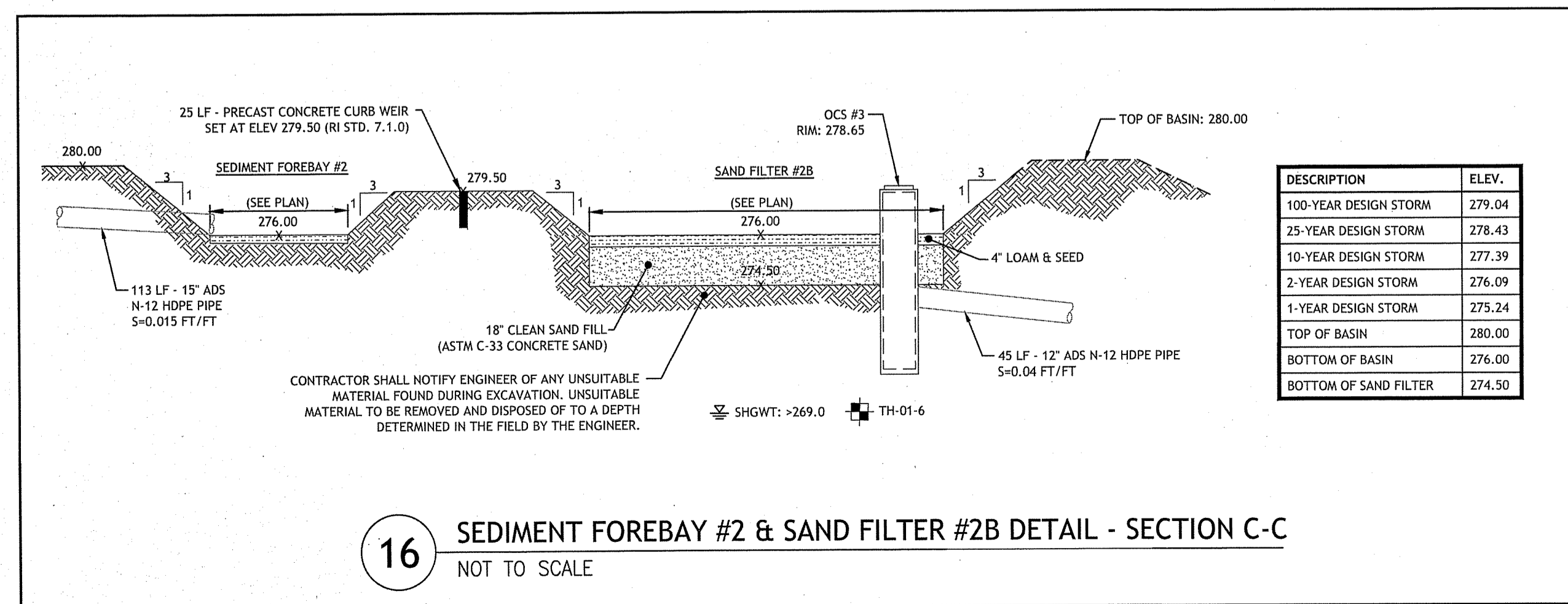
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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Nancy C. Freeman



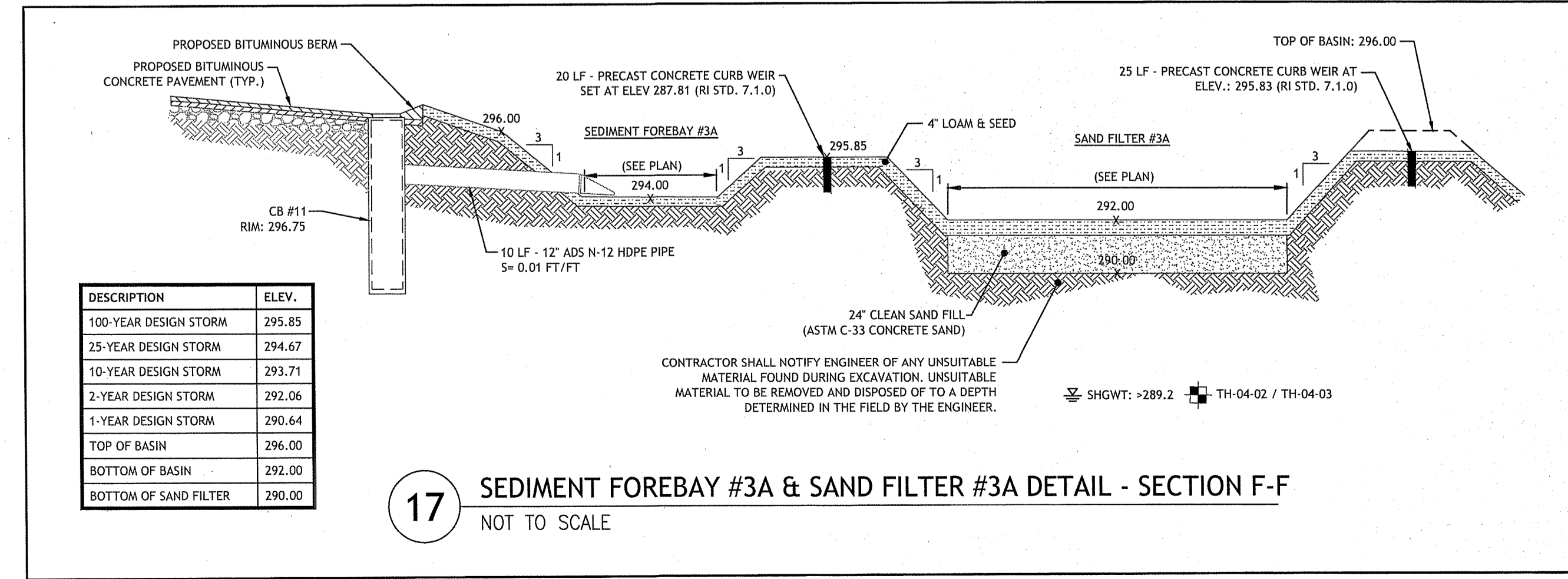
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NOT TO SCALE



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NOT TO SCALE



17 SEDIMENT FOREBAY #3A & SAND FILTER #3A DETAIL - SECTION F-F
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JCE
JOE CASALI ENGINEERING, INC.
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JOSEPH A. CASALI
No. 7350
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CIVIL
12.2020

SILVER PINES - PHASE II
MAIN STREET
NORTH SMITHFIELD, RHODE ISLAND
AP 4, LOT 9

REVISIONS:
NO. DATE DESCRIPTION

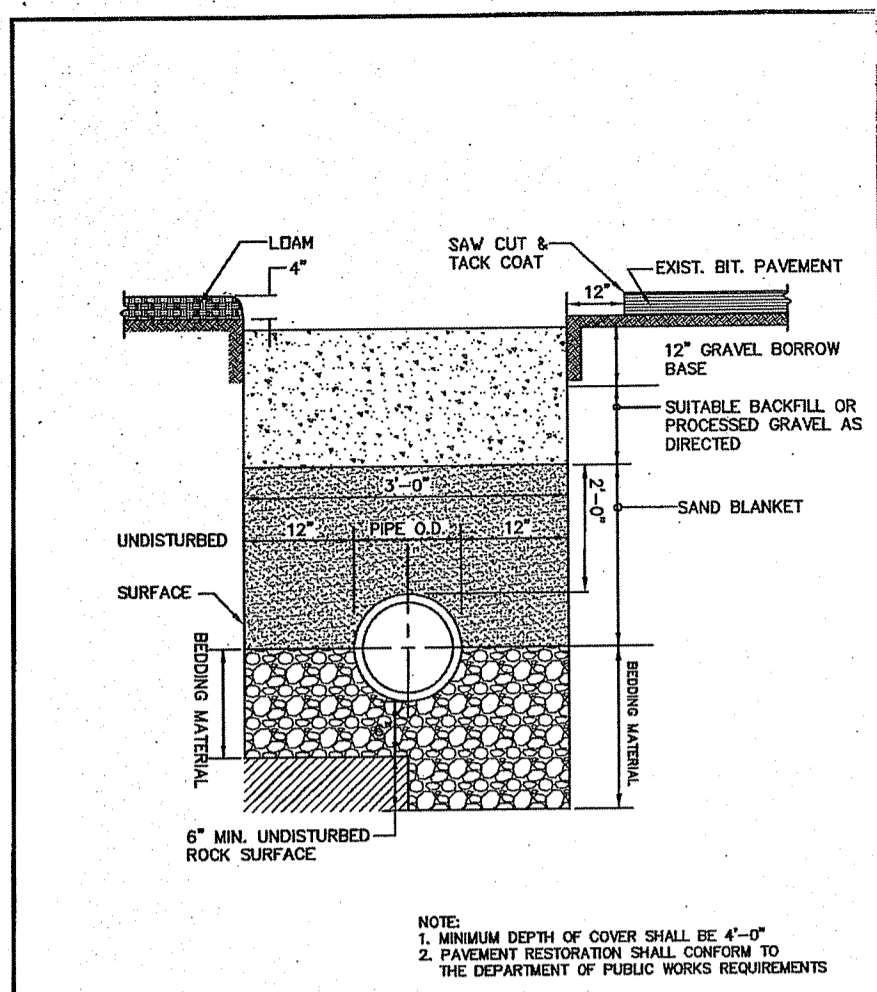
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CHECKED BY: JAC
DATE: JUNE 2020
PROJECT NO: 10-39b

PRELIMINARY, NOT FOR CONSTRUCTION

SITE DETAILS II

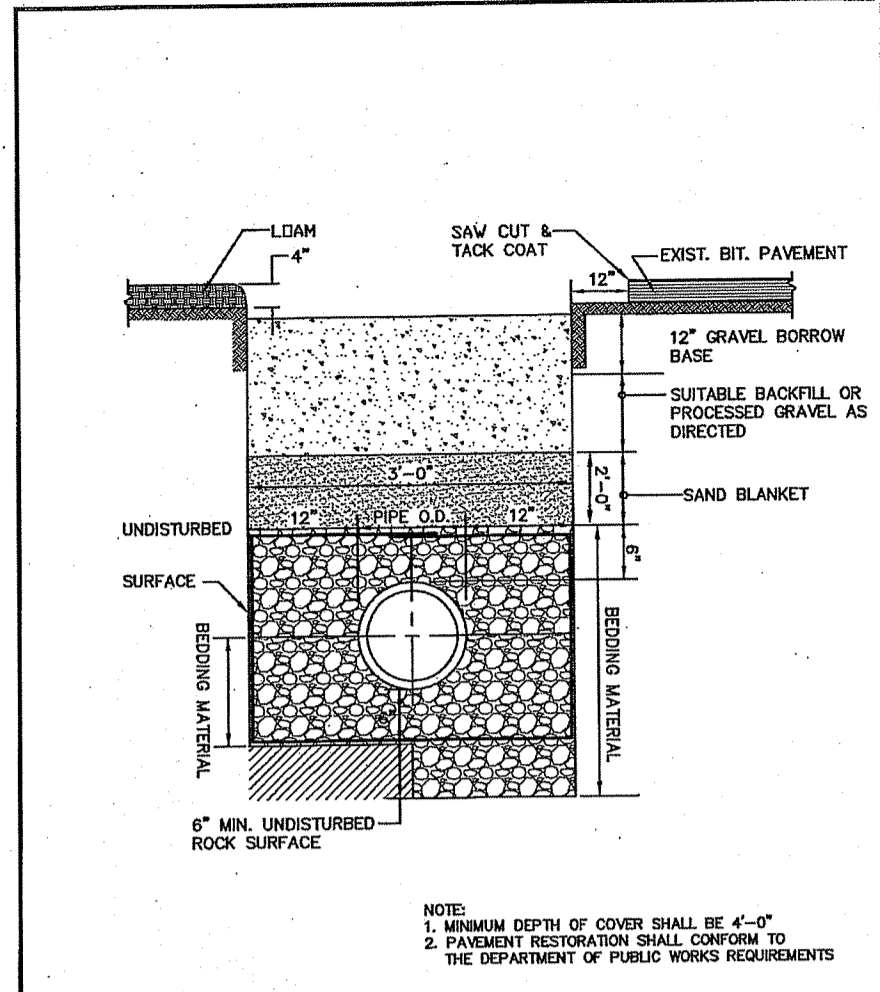
SHEET 14 OF 46 14

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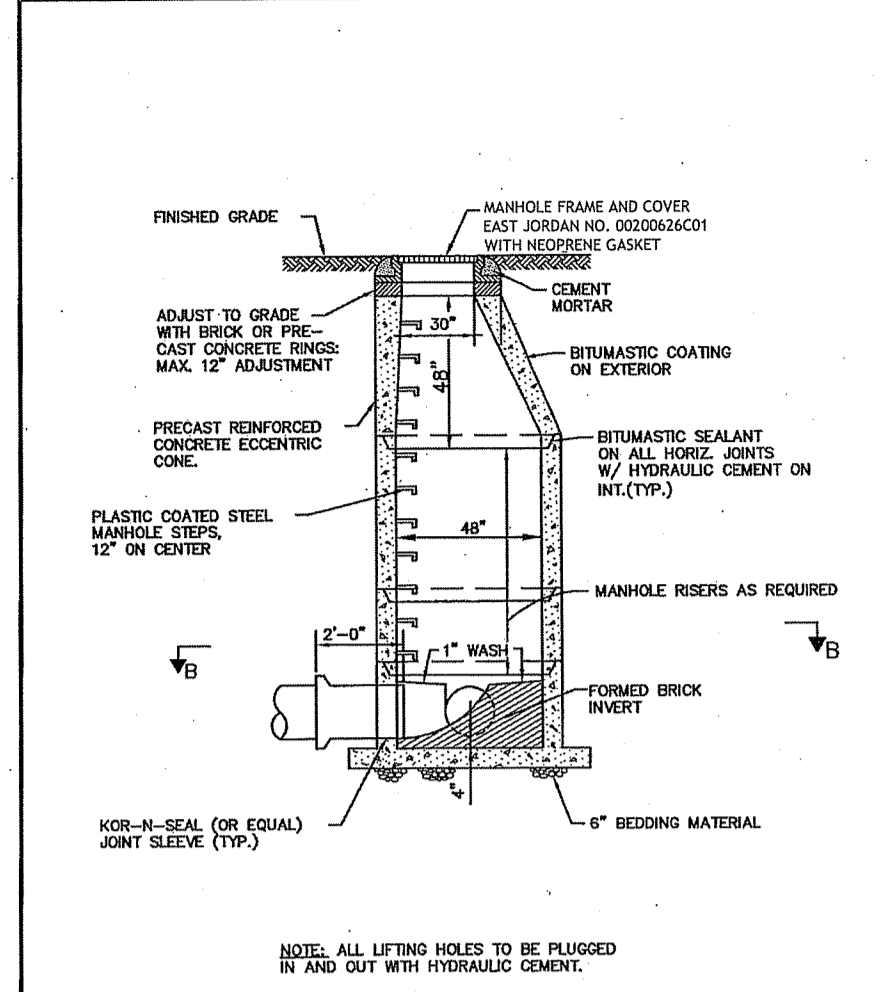
NOTE:
1. MINIMUM DEPTH OF COVER SHALL BE 4'-0"
2. PAVEMENT RESTORATION SHALL CONFORM TO THE DEPARTMENT OF PUBLIC WORKS REQUIREMENTS

Figure NS-1
TRENCH DETAIL
Standard Sanitary Sewer Requirements
Date: 2009 Scale: No Scale



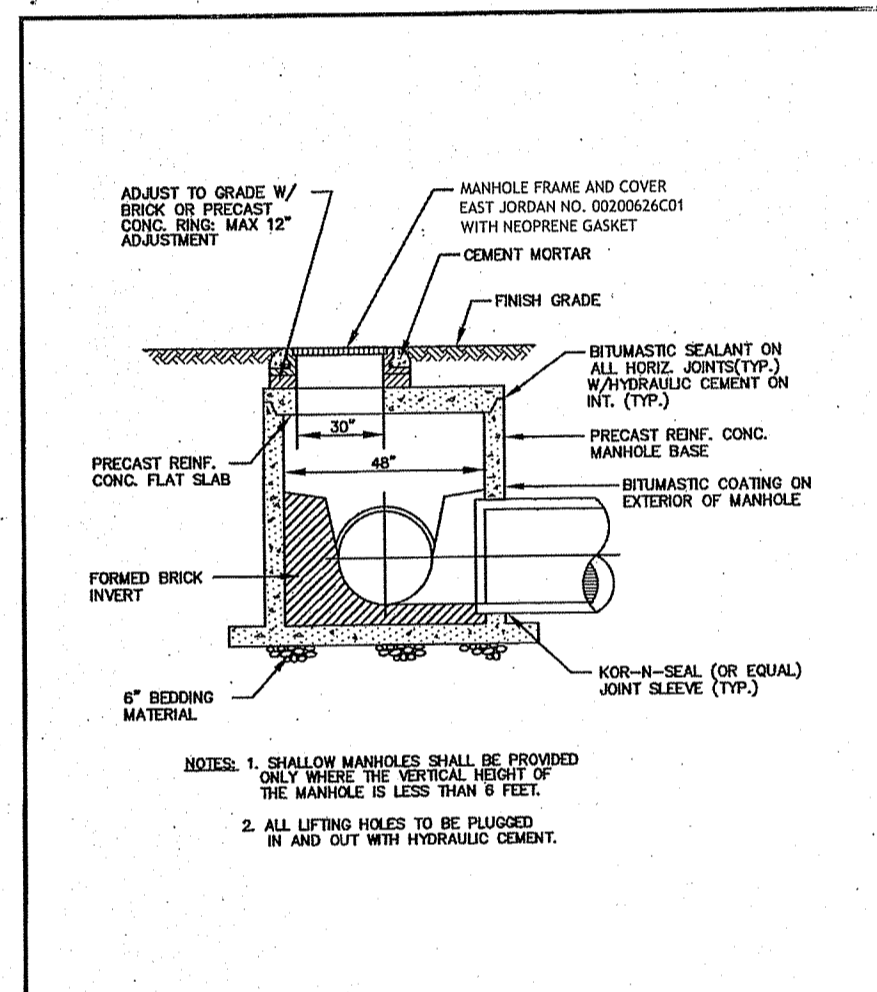
NOTE:
1. MINIMUM DEPTH OF COVER SHALL BE 4'-0"
2. PAVEMENT RESTORATION SHALL CONFORM TO THE DEPARTMENT OF PUBLIC WORKS REQUIREMENTS

Figure NS-2
TRENCH DETAILS WET CONDITIONS
Standard Sanitary Sewer Requirements
Date: 2009 Scale: No Scale



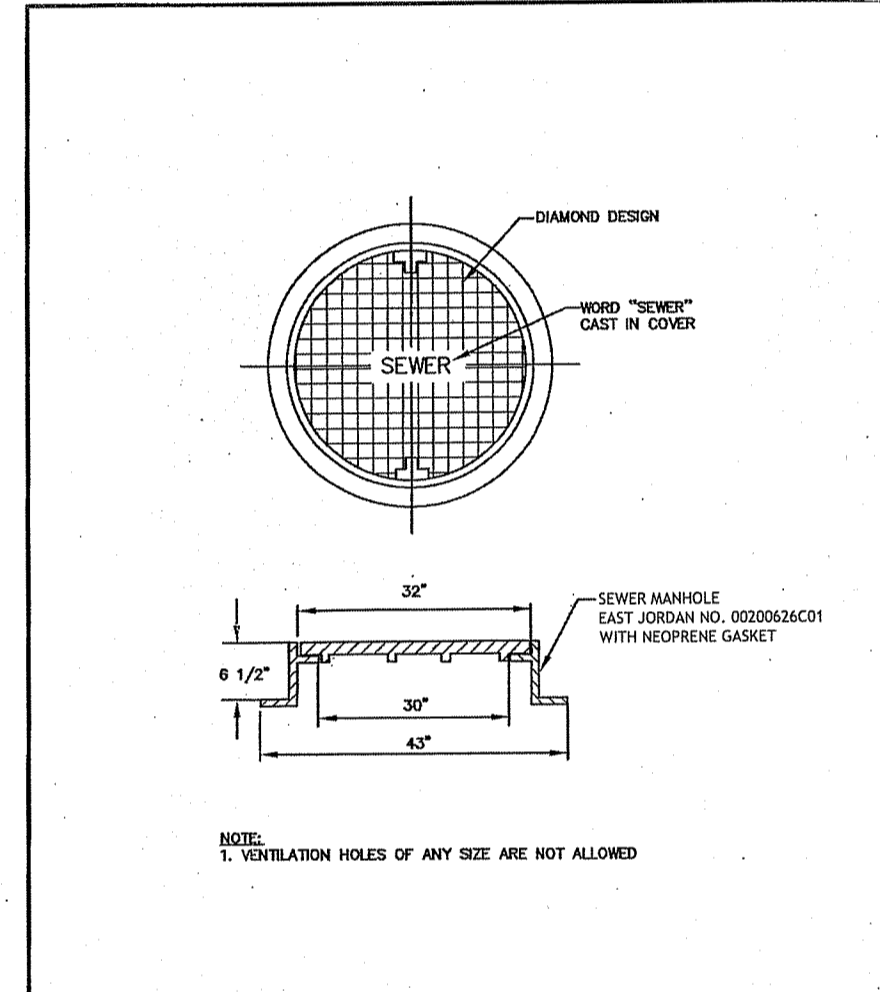
NOTE: ALL LIFTING HOLES TO BE PLUGGED IN AND CUT WITH HYDRAULIC CONCRETE.

Figure NS-3
SEWER MANHOLE DETAIL
Standard Sanitary Sewer Requirements
Date: 2009 Scale: No Scale



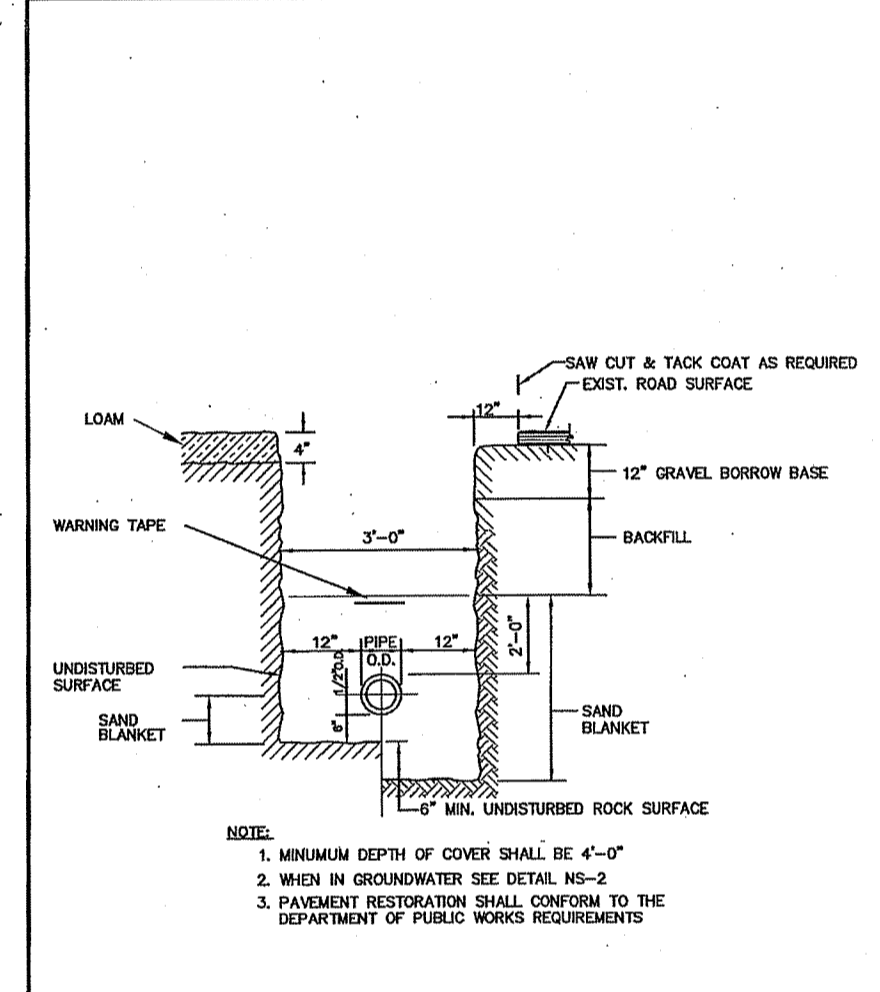
NOTE:
1. SHALLOW MANHOLES SHALL BE PROVIDED ONLY WHEN THE SERVICE HEIGHT OF THE MANHOLE IS LESS THAN 6 FEET.
2. ALL LIFTING HOLES TO BE PLUGGED IN AND CUT WITH HYDRAULIC CONCRETE.

Figure NS-4
SANITARY SHALLOW MANHOLE DETAIL
Standard Sanitary Sewer Requirements
Date: 2009 Scale: No Scale



NOTE:
1. VENTILATION HOLES OF ANY SIZE ARE NOT ALLOWED

Figure NS-5
SANITARY MANHOLE FRAME & COVER
Standard Sanitary Sewer Requirements
Date: 2009 Scale: No Scale



NOTE:
1. MINIMUM DEPTH OF COVER SHALL BE 4'-0"
2. WHEN IN GROUNDWATER SEE DETAIL NS-2
3. PAVEMENT RESTORATION SHALL CONFORM TO THE DEPARTMENT OF PUBLIC WORKS REQUIREMENTS

Figure NS-6
LOW PRESSURE SEWER TRENCH
Standard Sanitary Sewer Requirements
Date: 2009 Scale: No Scale

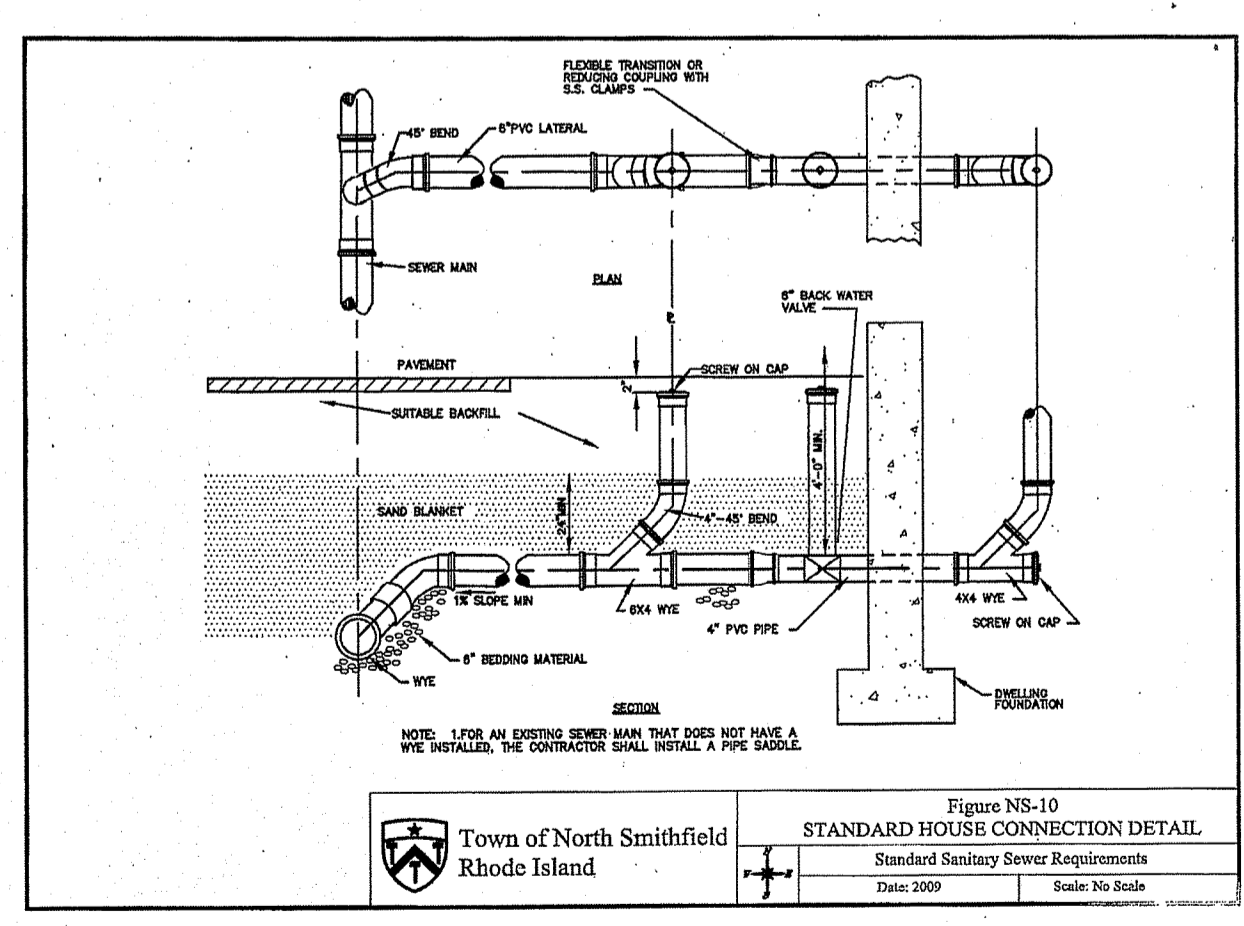


Figure NS-10
STANDARD HOUSE CONNECTION DETAIL
Standard Sanitary Sewer Requirements
Date: 2009 Scale: No Scale

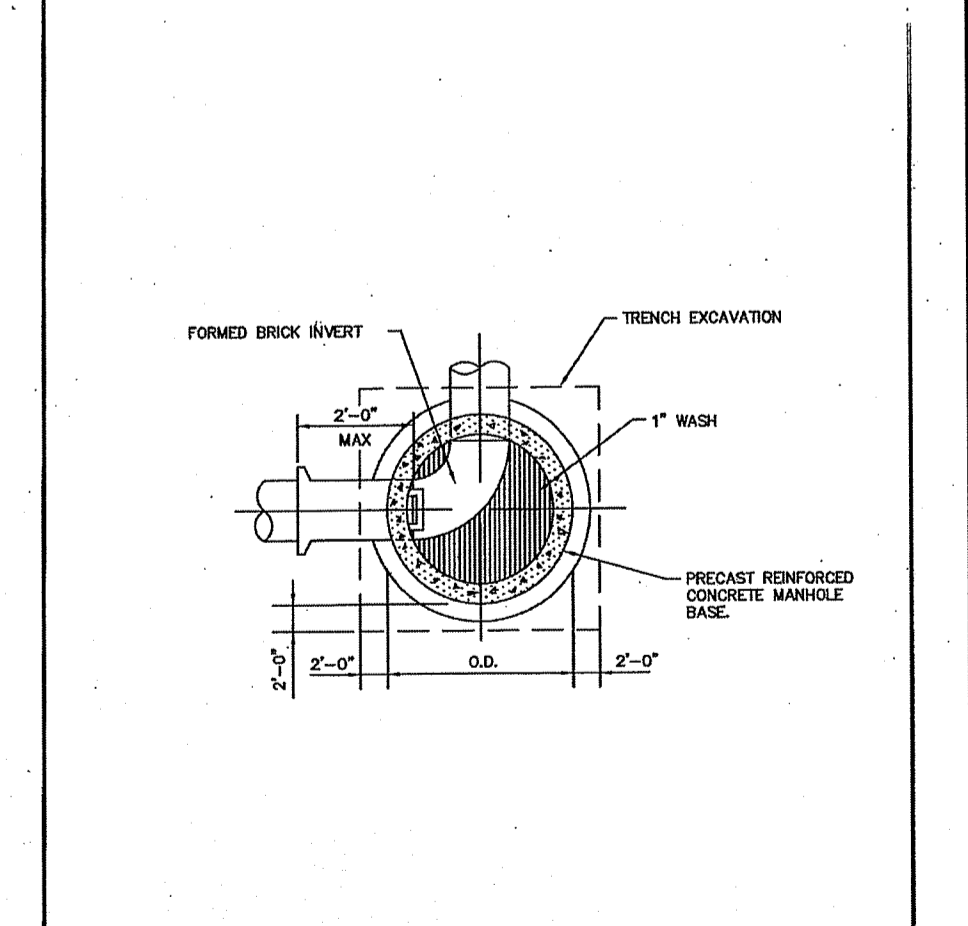
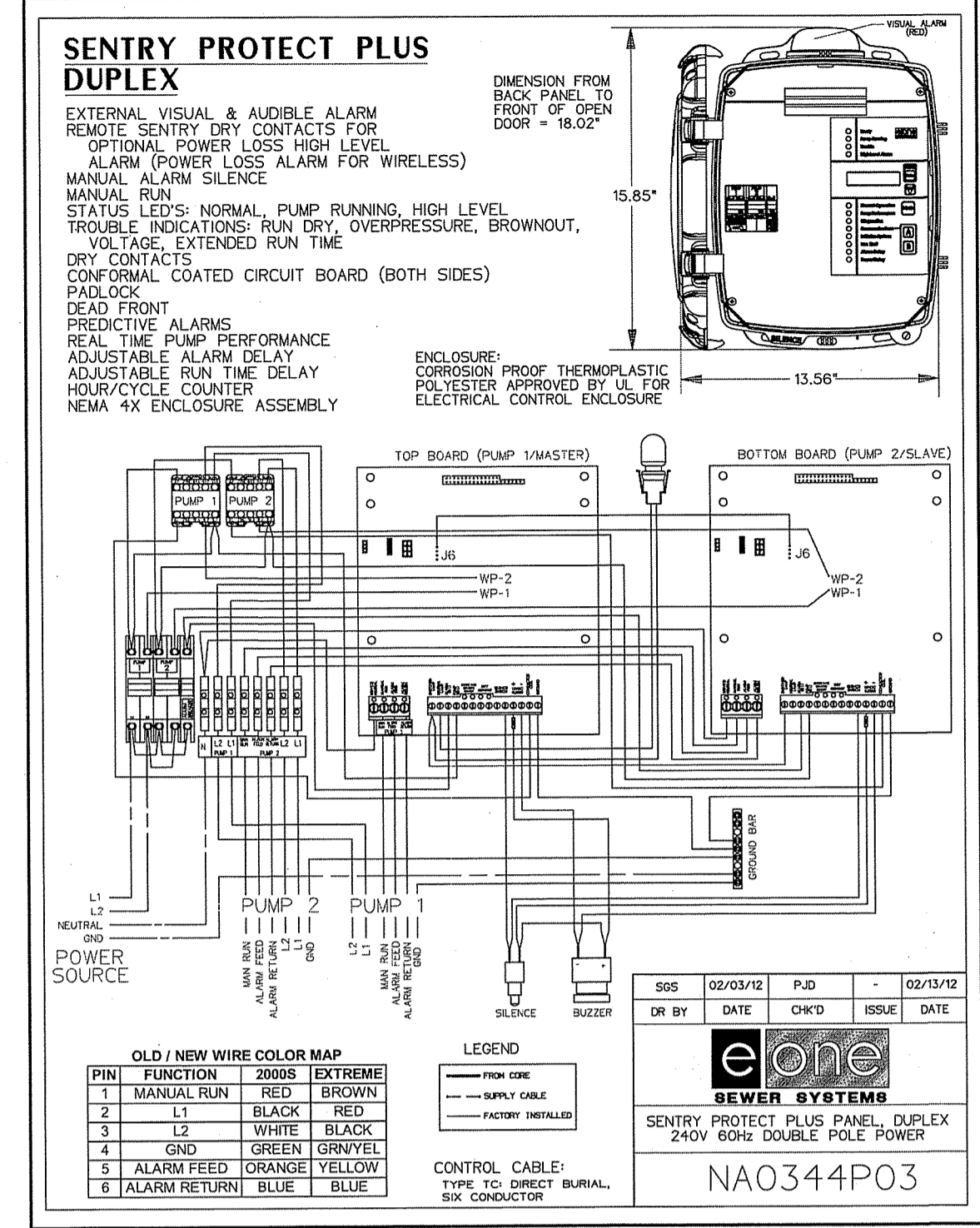
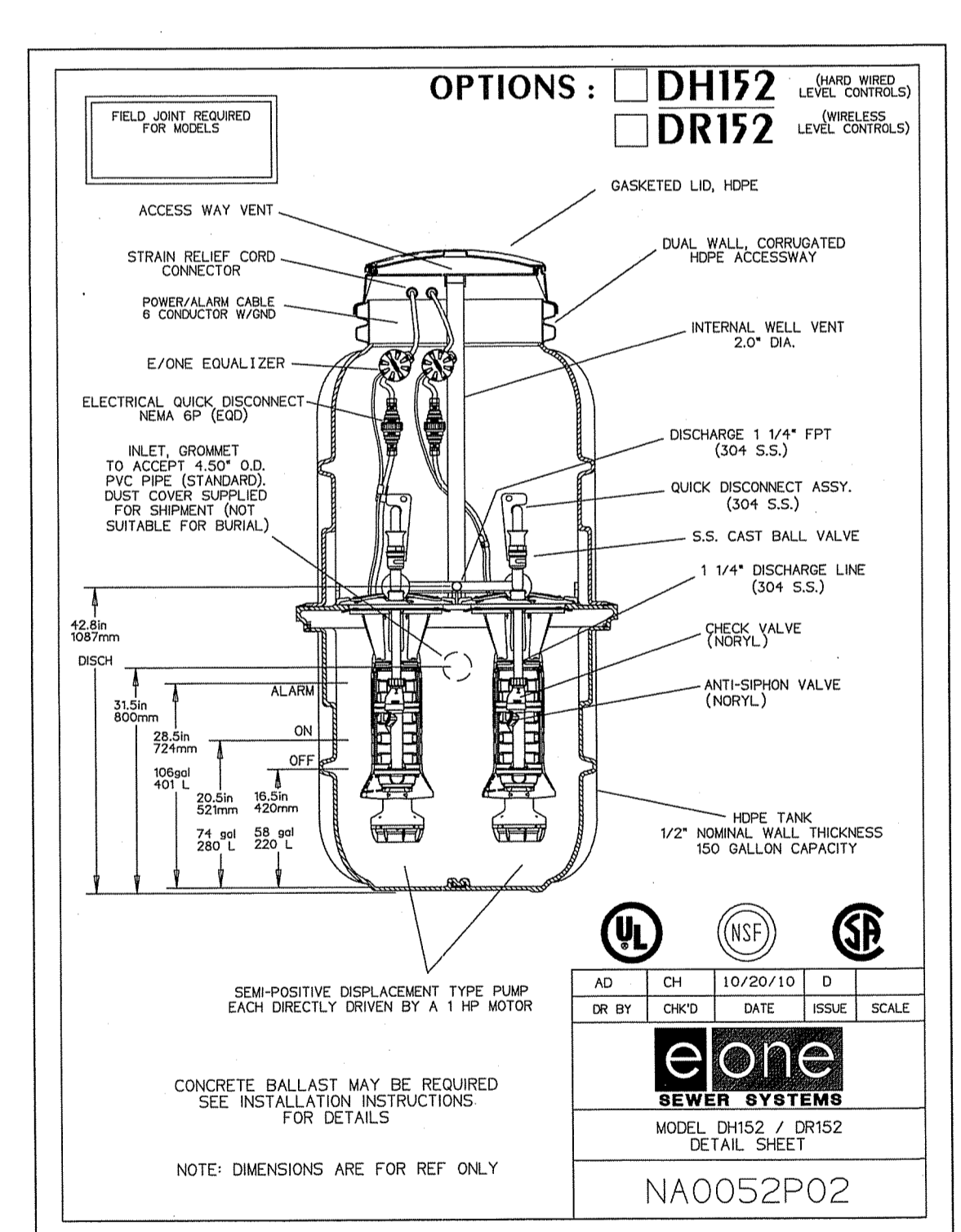


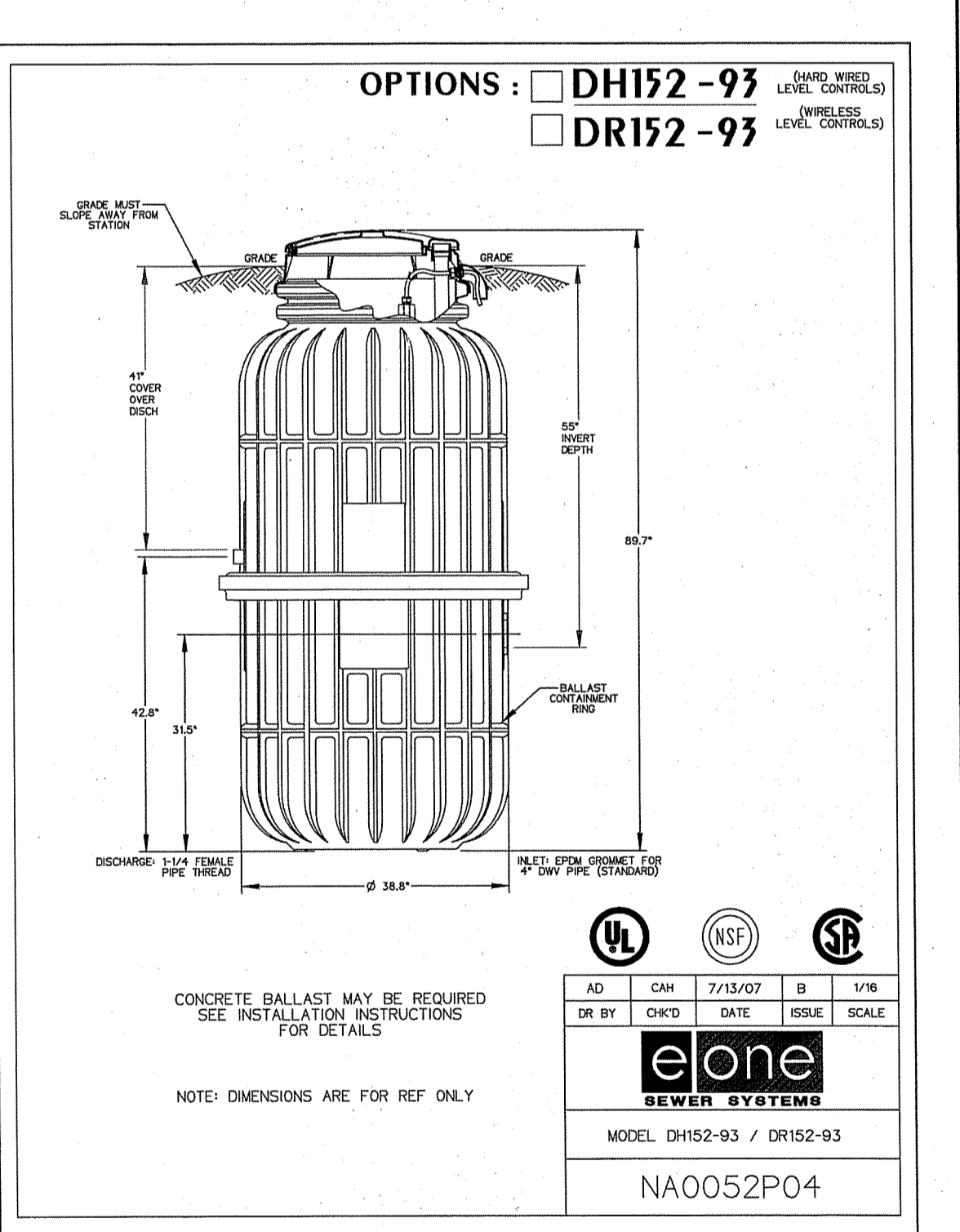
Figure NS-4
PRECAST MANHOLE DETAIL
Standard Sanitary Sewer Requirements
Date: 2009 Scale: No Scale



18 SEWER PUMP STATION CONTROL PANEL
NOT TO SCALE



19 PUMP STATION
NOT TO SCALE



19 PUMP STATION
NOT TO SCALE

Environmental Management
JUN 15 2020
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED OCT 16 2020 FILE # 20-031
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Dwight L. Freeman

JCE
JOE CASALI ENGINEERING, INC.
CIVIL - SITE DEVELOPMENT - TRANSPORTATION
DRAINAGE - WETLANDS - BDS - TRAFFIC - FLOODING - PDES
(401) 944-1200 (401) 944-1313 FAX WWW.JCECASALI.COM

JOSEPH A. CASALI
No. 7350
REGISTERED PROFESSIONAL ENGINEER CIVIL

SILVER PINES - PHASE II
MAIN STREET
NORTH SMITHFIELD, RHODE ISLAND
AP 4, LOT 9

REVISIONS:

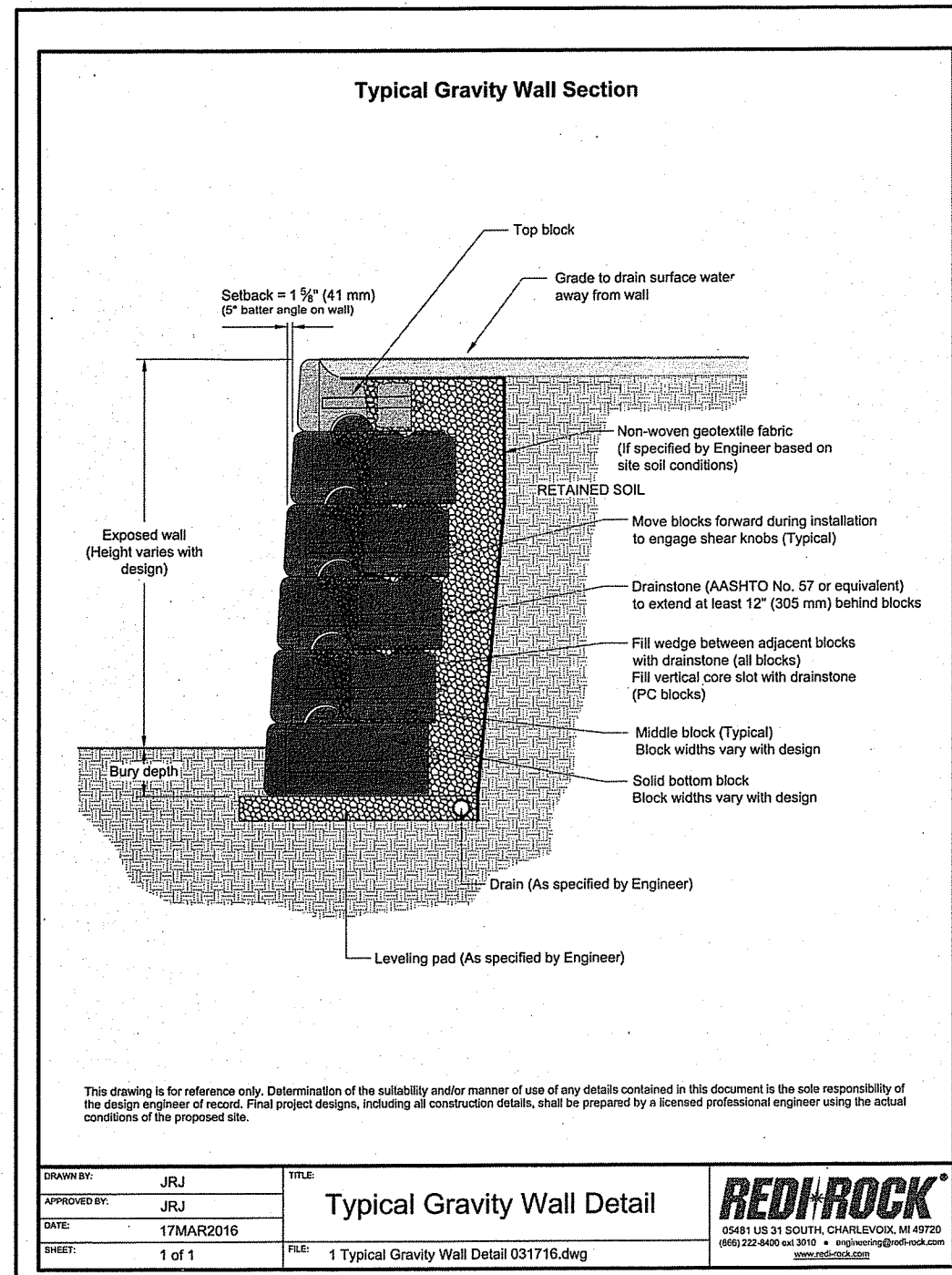
NO.	DATE	DESCRIPTION

DESIGNED BY: WMLR
DRAWN BY: SDSP
CHECKED BY: JAC
DATE: JUNE 2020
PROJECT NO: 10-39b

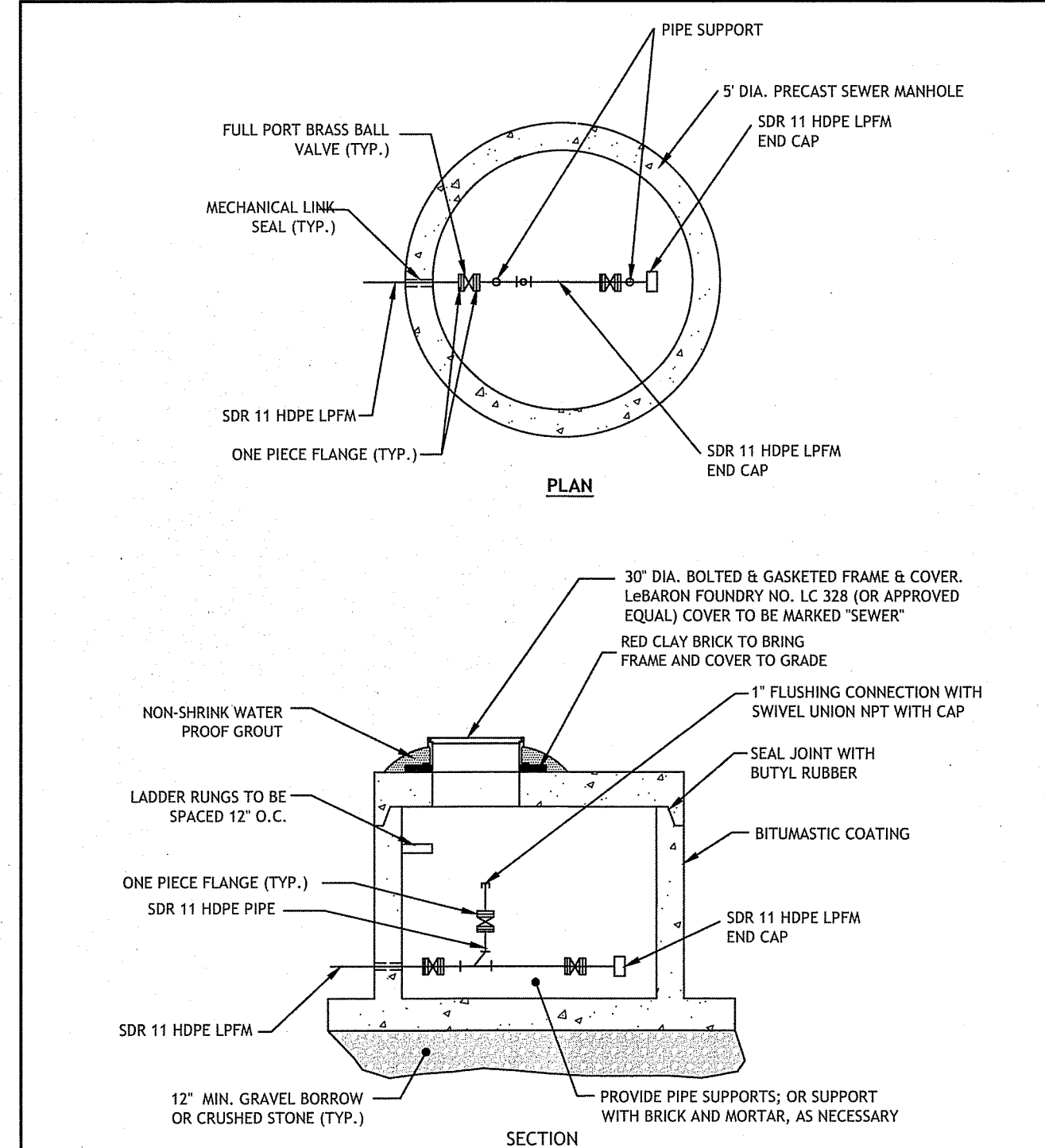
PRELIMINARY, NOT FOR CONSTRUCTION

SITE DETAILS III

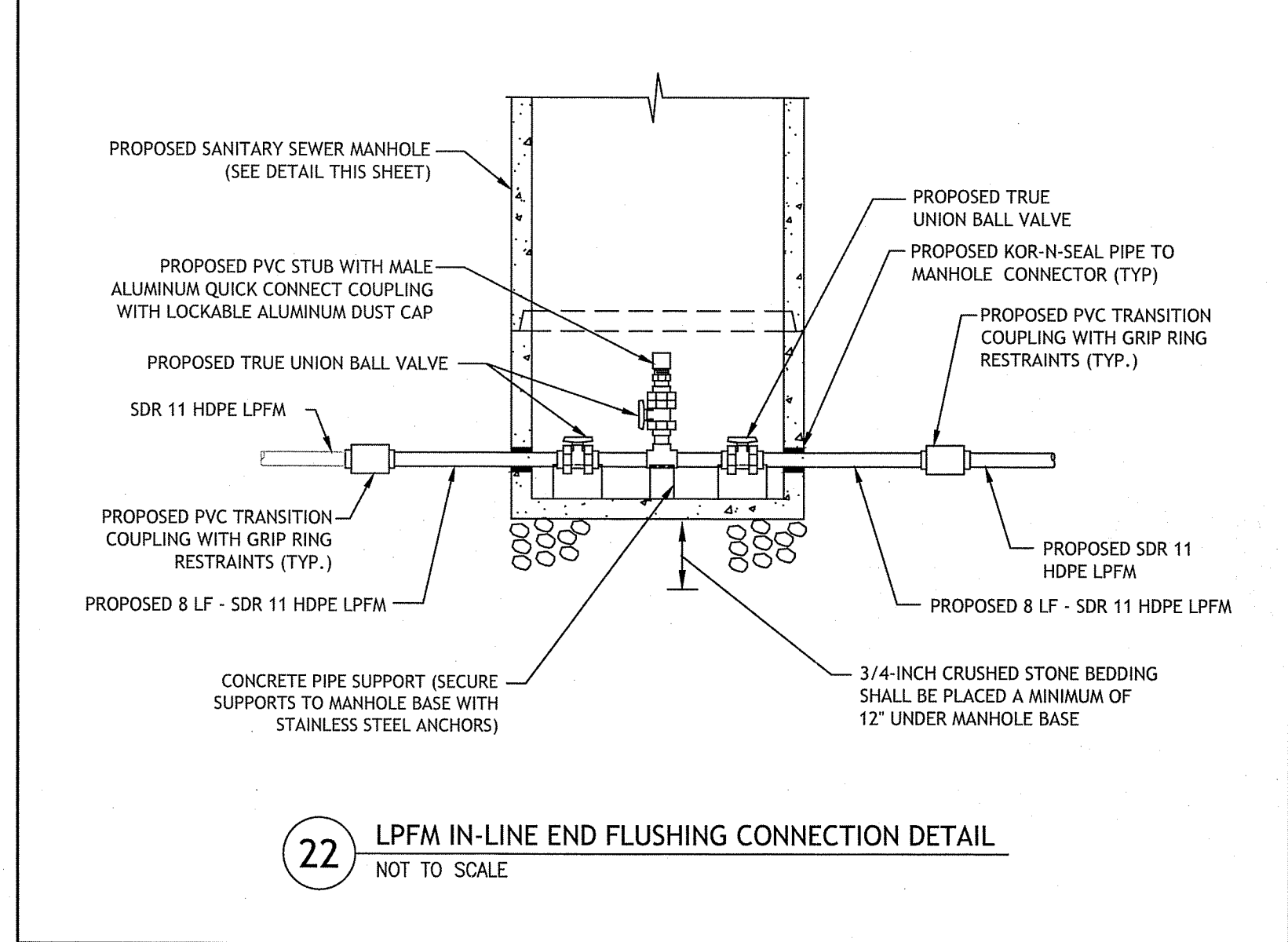
SHEET 15 OF 1619



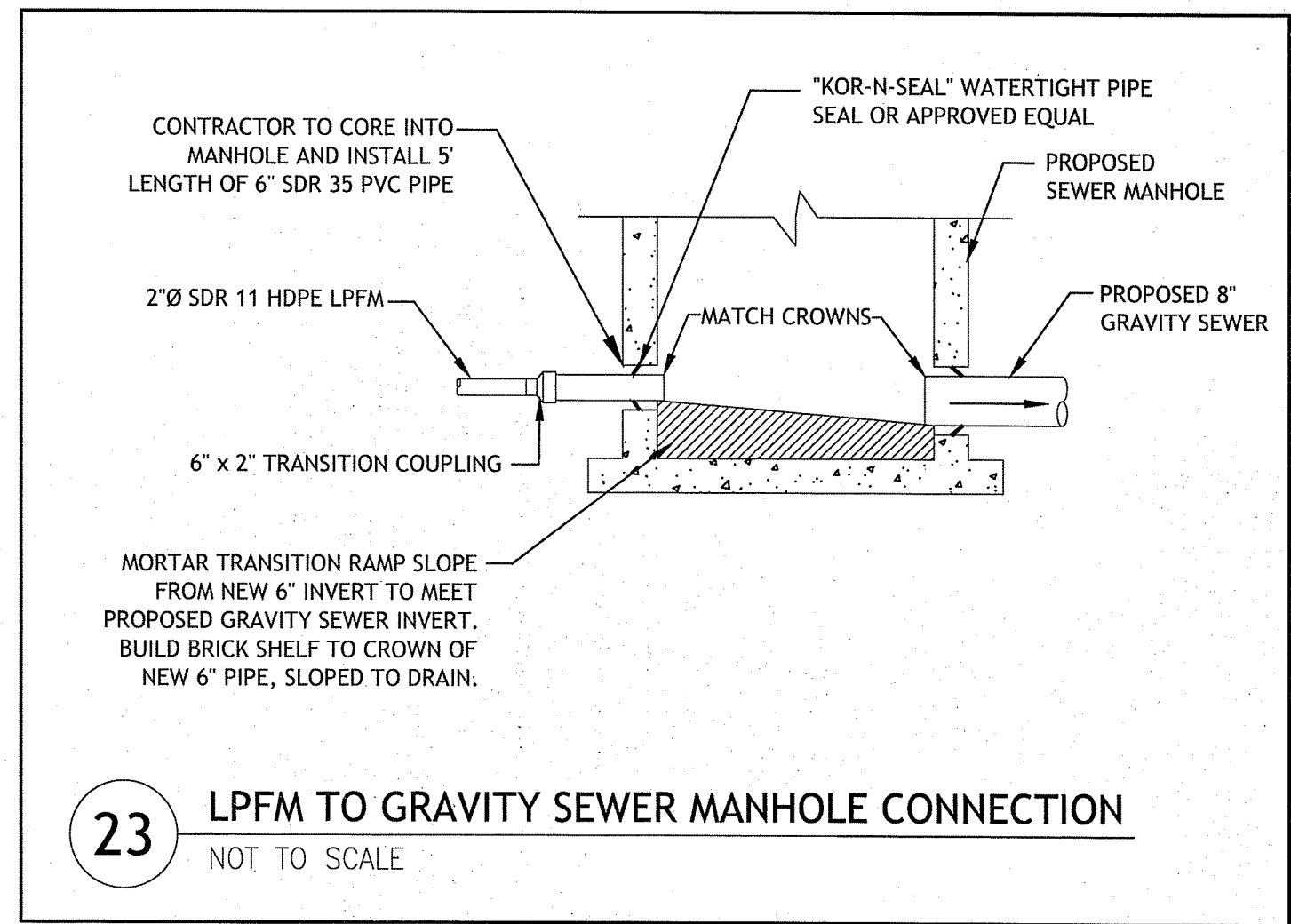
DATE: JUN 15 2020	TITLE: Typical Gravity Wall Detail	REDI-ROCK
DESIGNED BY: JRJ	DATE: 17MAY2016	SCALE: 1 of 1
1 Typical Gravity Wall Detail 031716.dwg		



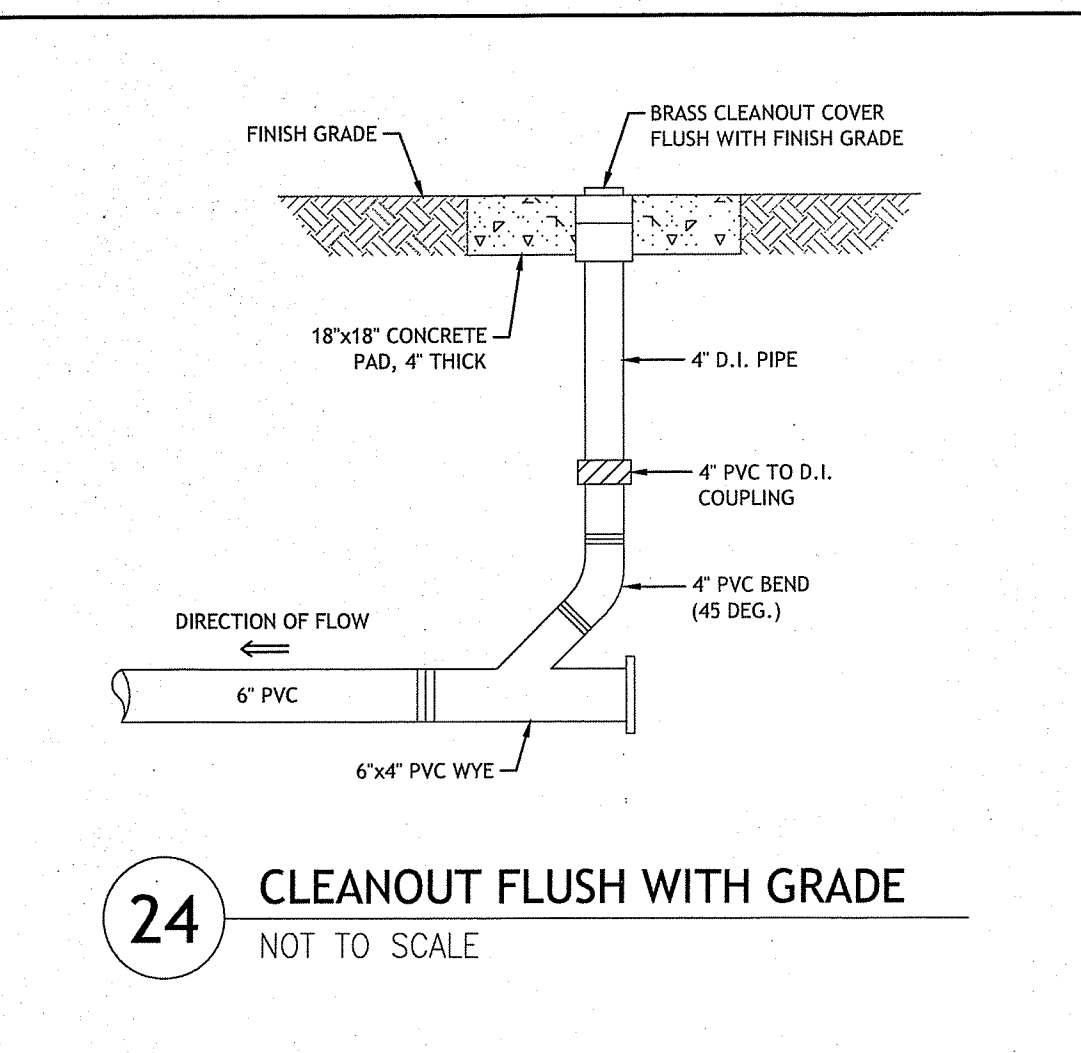
21 LPFM TERMINAL END FLUSHING CONNECTION DETAIL NOT TO SCALE



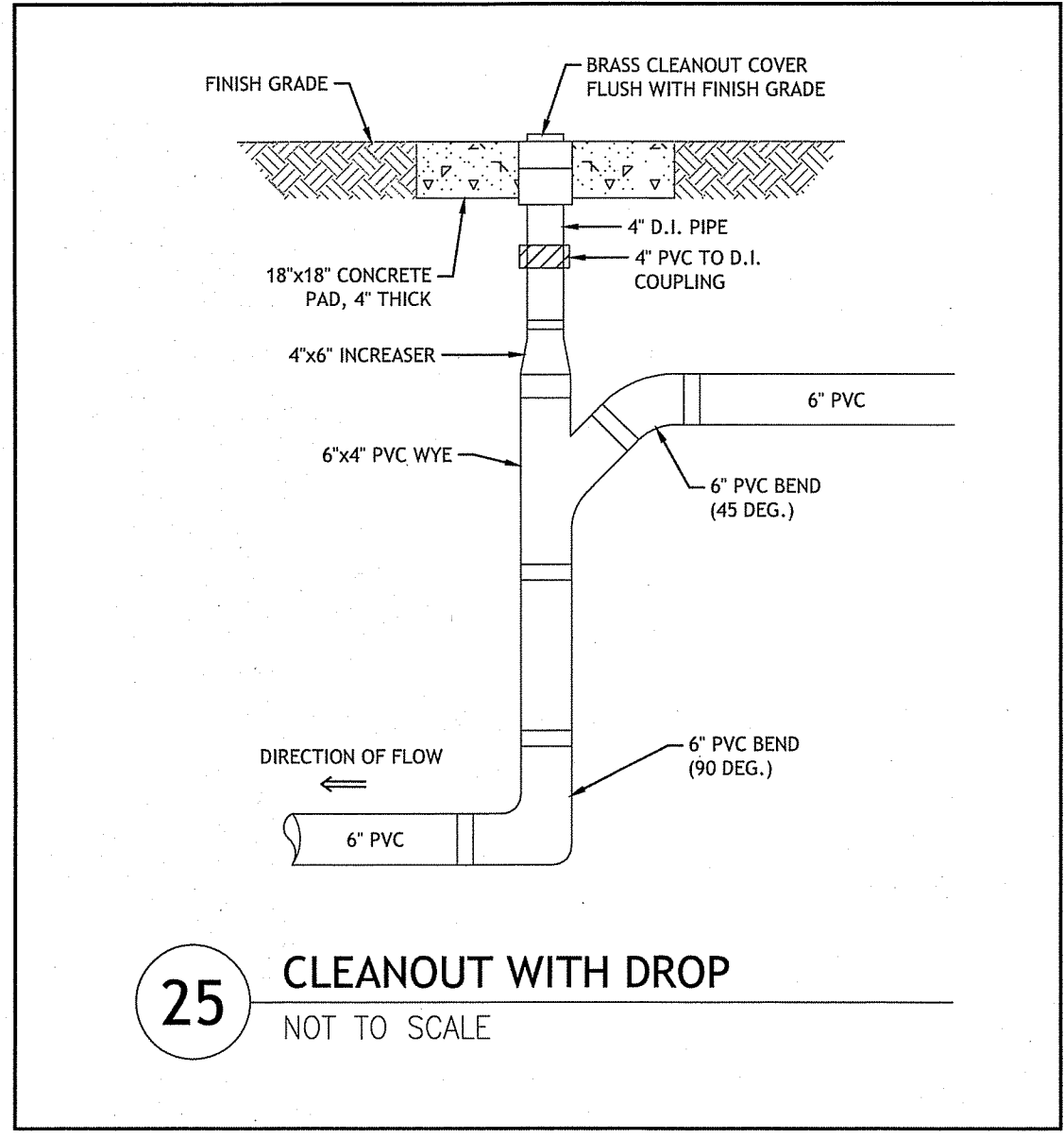
22 LPFM IN-LINE END FLUSHING CONNECTION DETAIL NOT TO SCALE



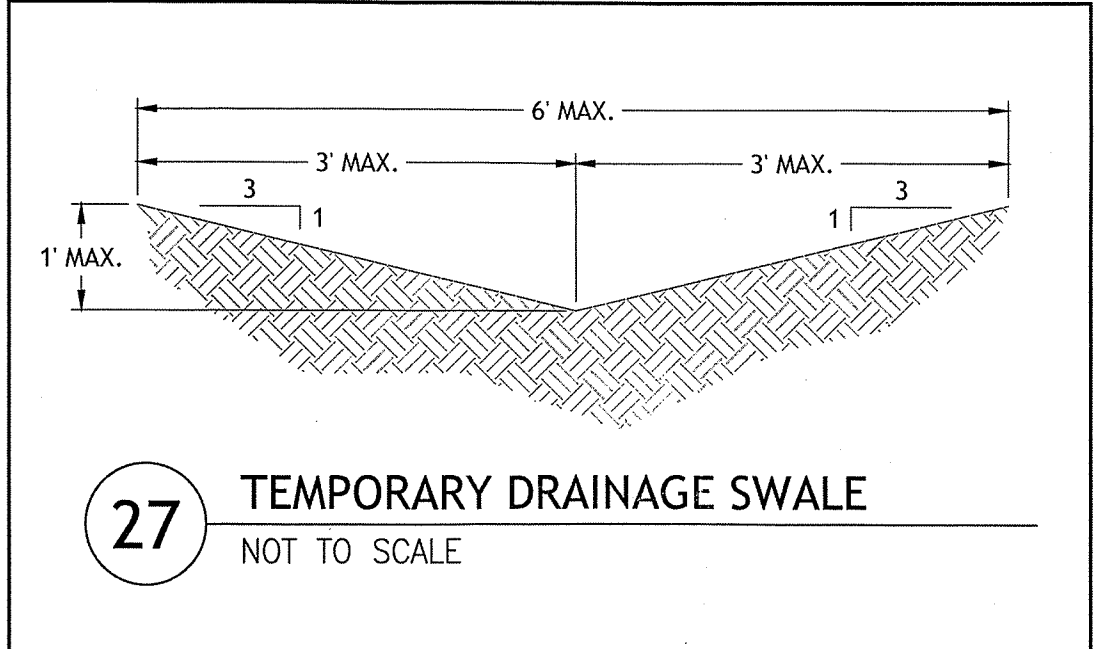
23 LPFM TO GRAVITY SEWER MANHOLE CONNECTION NOT TO SCALE



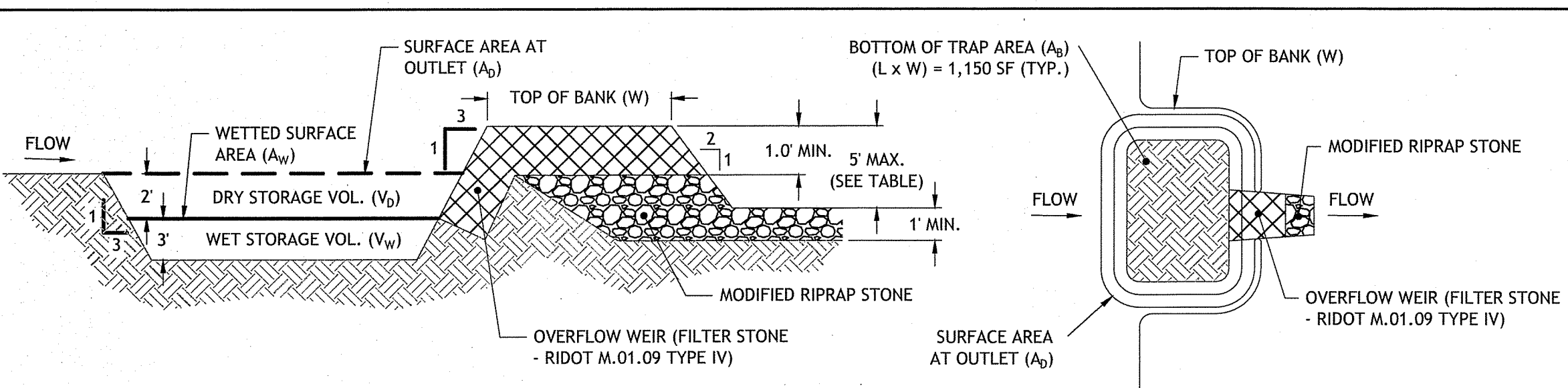
24 CLEANOUT FLUSH WITH GRADE NOT TO SCALE



25 CLEANOUT WITH DROP NOT TO SCALE



27 TEMPORARY DRAINAGE SWALE NOT TO SCALE

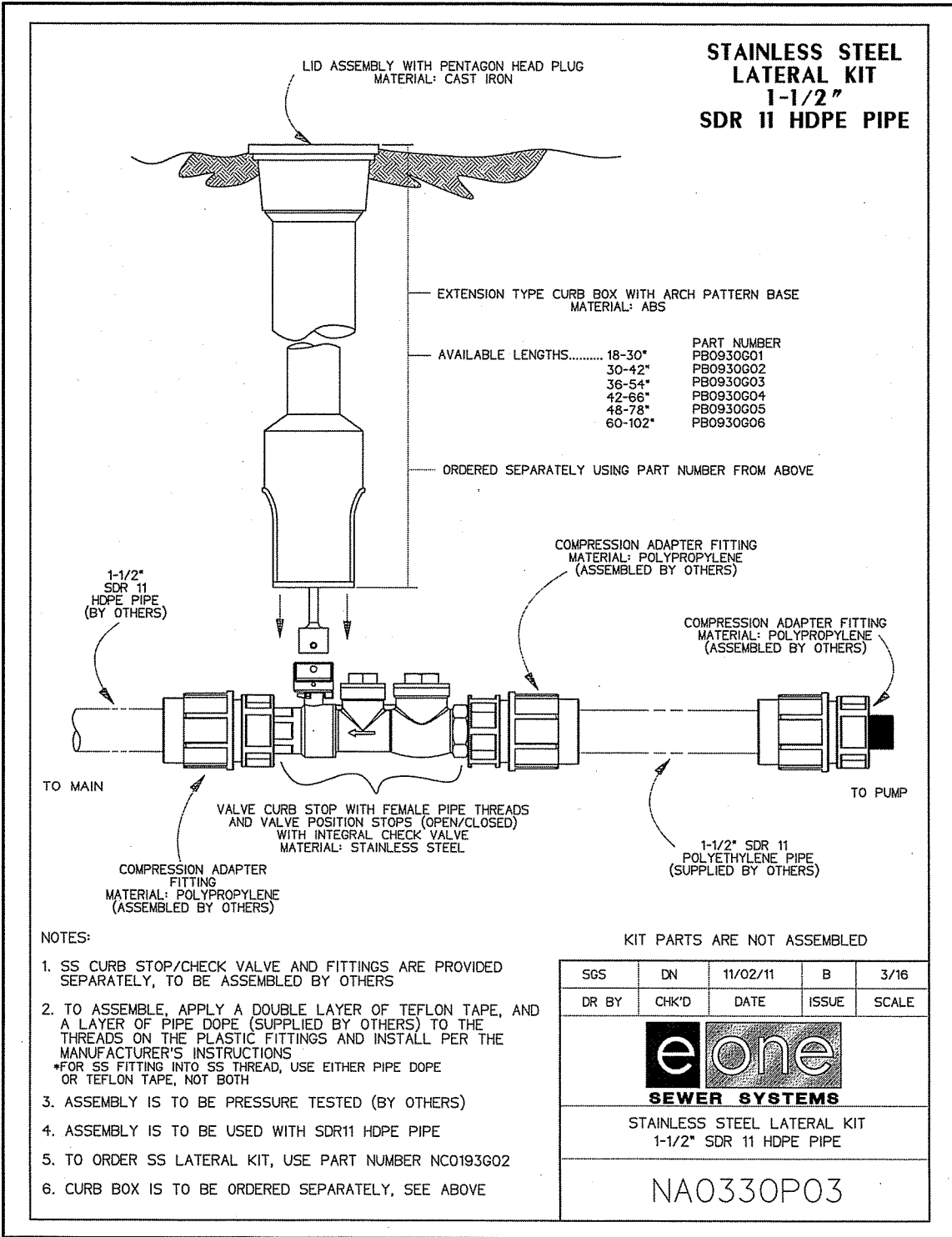


NOTES:

- APPROXIMATE SEDIMENT TRAP LOCATIONS ARE SHOWN ON THE SITE PREPARATION PLAN (SHEET 3). IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD FIT AND DETERMINE ACTUAL SEDIMENT TRAP SIZES, LOCATIONS, DIVERSION BERM LOCATIONS, SWALES, SILT FENCE LOCATIONS AND ANY OTHER APPROPRIATE SEDIMENT CONTROL MEASURES. ALL SOIL EROSION MEASURES SHALL BE IN ACCORDANCE WITH THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (2016).
- PROPOSED SEDIMENT TRAPS SHOWN SHALL BE DESIGNED TO ACCOMMODATE DRAINAGE FROM CONTRIBUTING AREAS OF 1 TO 5 ACRES.
- EACH TEMPORARY SEDIMENT TRAP SHALL BE PROVIDED A SEDIMENT STORAGE STAKE AND MARKER, IN ACCORDANCE WITH THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (2016).
- TEMPORARY DRAINAGE SWALES SHALL BE CONSTRUCTED TO CONVEY RUNOFF TOWARDS THE TEMPORARY SEDIMENT TRAPS. SEE DETAIL 11 FOR TEMPORARY DRAINAGE SWALE DETAILS.

TOP WIDTH VS. HEIGHT	
H (ft)	W(ft)
1.5	2.0
2.0	2.0
2.5	2.5
3.0	2.5
3.5	3.0
4.0	3.0
4.5	4.0
5.0	4.5

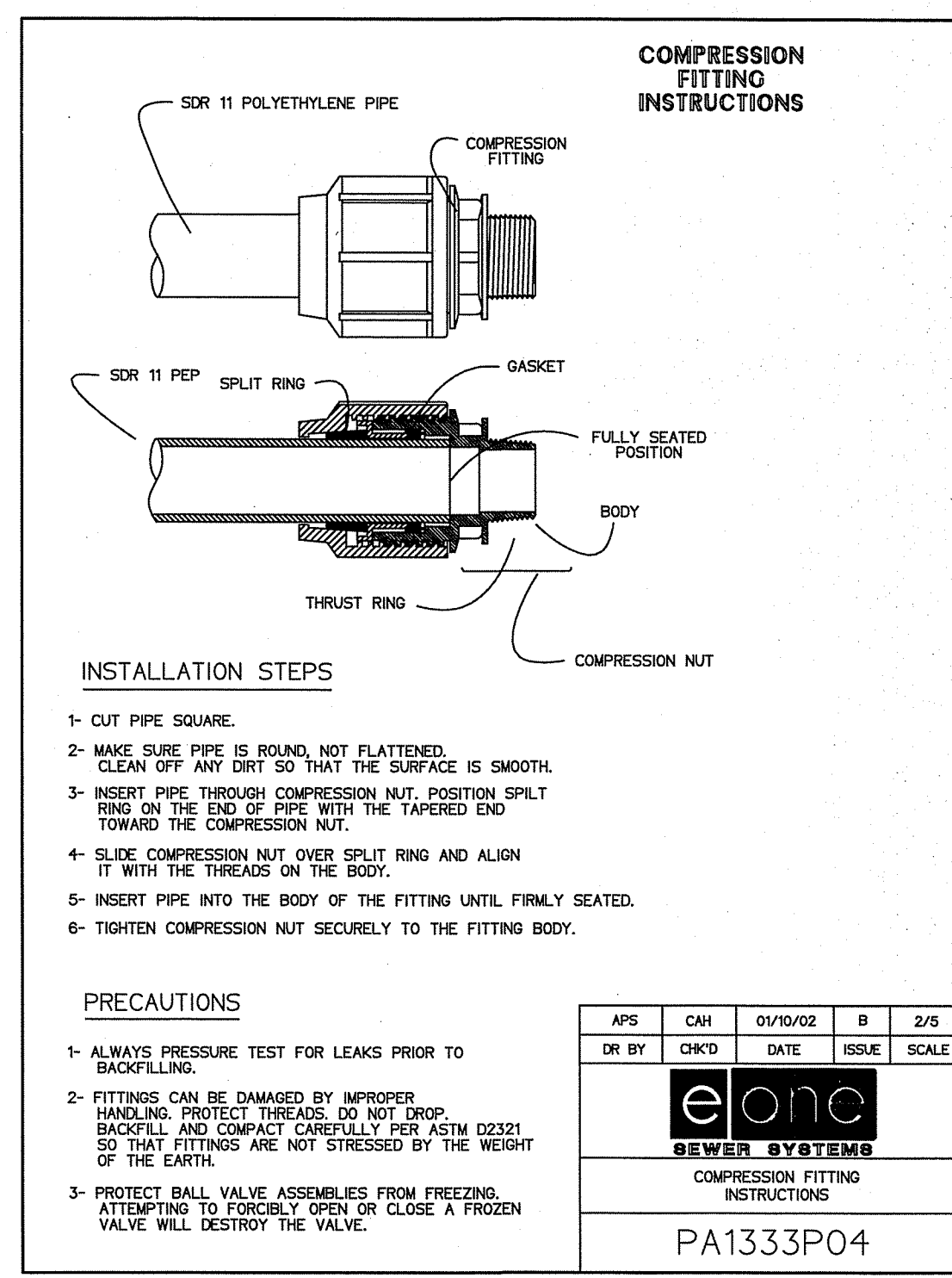
28 TEMPORARY SEDIMENT TRAP DETAIL NOT TO SCALE



NOTES:

- SS CURB STOP/CHECK VALVE AND FITTINGS ARE PROVIDED SEPARATELY, TO BE ASSEMBLED BY OTHERS.
- TO ASSEMBLE, APPLY A DOUBLE LAYER OF TEFLON TAPE, AND A LAYER OF PIPE DOWE (SUPPLIED BY OTHERS) TO THE THREADS ON THE PLASTIC FITTINGS AND INSTALL PER THE MANUFACTURER'S INSTRUCTIONS.
- FOR SS FITTING INTO SS THREAD, USE EITHER PIPE DOPE OR TEFLON TAPE, NOT BOTH.
- ASSEMBLY IS TO BE PRESSURE TESTED (BY OTHERS).
- ASSEMBLY IS TO BE USED WITH SDR11 HDPE PIPE.
- TO ORDER SS LATERAL KIT, USE PART NUMBER NCD193002.
- CURB BOX IS TO BE ORDERED SEPARATELY, SEE ABOVE.

SS	DN	11/02/11	B	3/16
DR BY	CHKD	DATE	ISSUE	SCALE
SEWER SYSTEMS STAINLESS STEEL LATERAL KIT 1-1/2" SDR 11 HDPE PIPE NAO330P03				



Environmental Management
JUN 15 2020
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED OCT 16 2020 FILE # 20-0131
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

SILVER PINES - PHASE II
MAIN STREET
NORTH SMITHFIELD, RHODE ISLAND
AP 4, LOT 9

REVISIONS:

NO.	DATE	DESCRIPTION

DESIGNED BY: WMLJR
DRAWN BY: SD/SP
CHECKED BY: JAC
DATE: JUNE 2020
PROJECT NO: 10-39b

PRELIMINARY, NOT FOR CONSTRUCTION

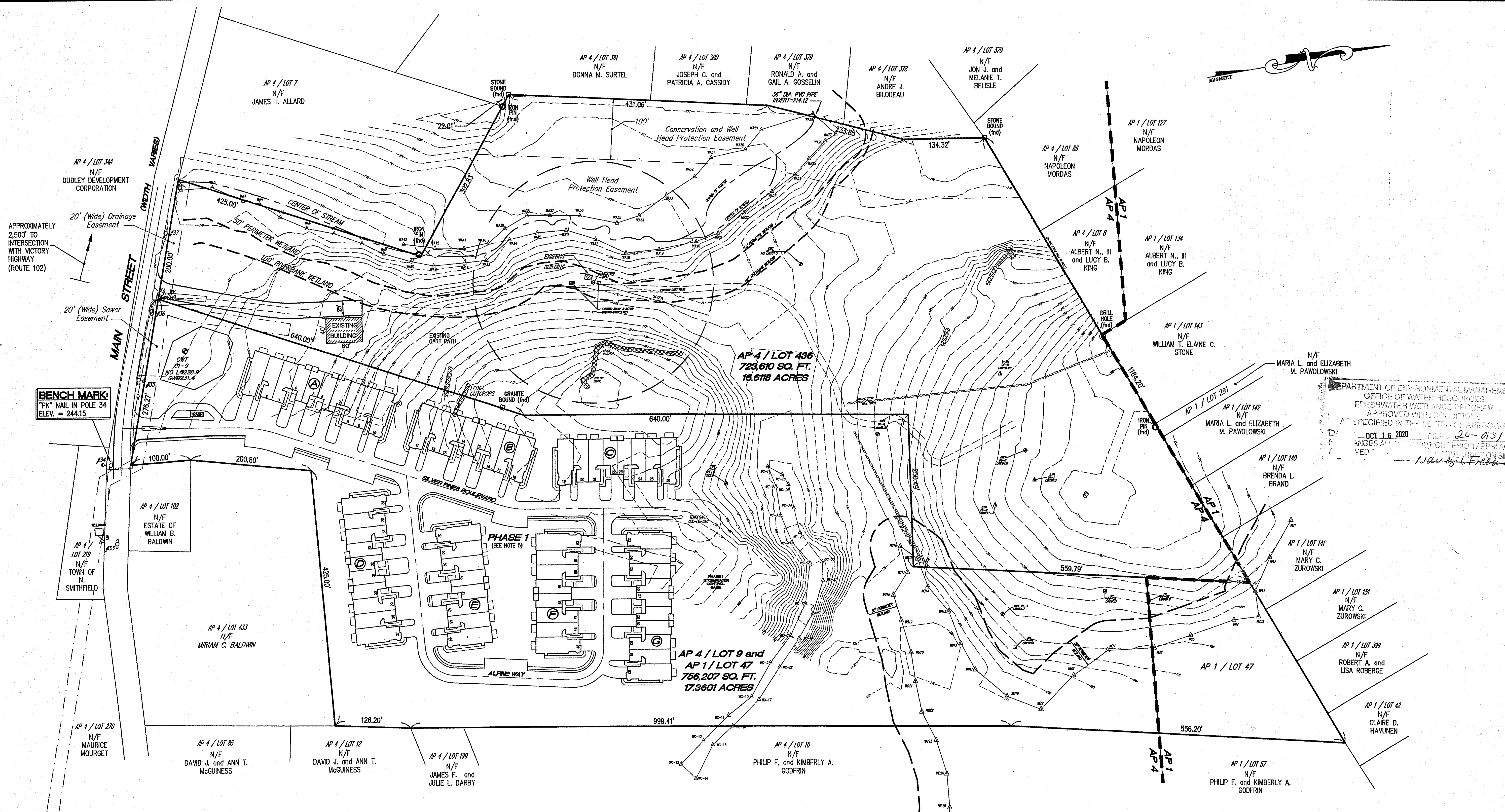
SITE DETAILS IV

SHEET 16 OF 16

JOE CASALI ENGINEERING, INC.
CIVIL, SITE DEVELOPMENT - TRANSPORTATION
100 STATE STREET, SUITE 100
DRUMMONDVILLE, RHODE ISLAND 02888
TEL: 401-944-1300 FAX: 401-944-1313 WWW.JOECASALI.COM

JOSEPH A. CASALI
No. 7550
REGISTERED PROFESSIONAL ENGINEER
CIVIL
12.20.10

Q:\10-39 Silver Pines Elderly Assisted Living Facility\10-39b Phase II\ACAD\Silver Pines II (Preliminary Plan).dwg Jun. 15, 2020 11:25am



BENCH MARK:
"PK" NAIL IN POLE 34
ELEV. = 244.15

REFERENCE:

1. PROPERTY LINE, TOPOGRAPHIC AND PLANIMETRIC FEATURES TAKEN FROM PLAN ENTITLED "TOPOGRAPHIC SITE PLAN FOR D.A.S. CONTRACTING CORPORATION AP 4 LOT 436 MAIN STREET NORTH SMITHFIELD, RHODE ISLAND NOVEMBER, 2000 SCALE: 1"=100'" LAST REVISED 11-5-02, PREPARED BY NATIONAL LAND SURVEYORS-DEVELOPERS INC. (PLAN NOT RECORDED)

FLOOD NOTE:

THIS AREA LIES WITHIN ZONE "X" OF THE NATIONAL FLOOD INSURANCE RATE MAPS - AREA OUTSIDE OF THE 500 YEAR FLOOD PLAIN, TOWN OF NORTH SMITHFIELD, RHODE ISLAND, PROVIDENCE COUNTY COMMUNITY PANEL NUMBER 440021-0005C, DATED 12/3/1993.

OWNER:

ASSESSOR'S PLAT 1, LOT 47 AND ASSESSOR'S PLAT 4, LOTS 9 & 436

D.A.S. CONTRACTING CORPORATION
645 PATCHOGUE YAPHANK ROAD
MEDFORD, N.Y. 11763-2211

APPLICANT:

(MAJOR LAND DEVELOPMENT-PRELIMINARY REVIEW)

D.A.S. CONTRACTING CORPORATION
645 PATCHOGUE YAPHANK ROAD
MEDFORD, N.Y. 11763-2211

ZONING DISTRICT: RU-20
URBAN RESIDENTIAL

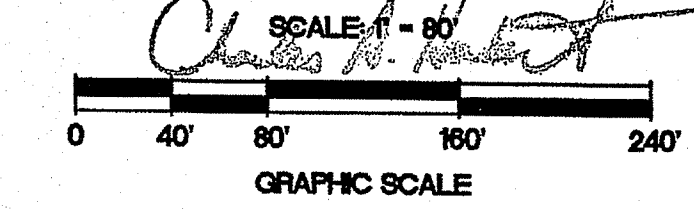
NOTES:

1. WETLAND EDGES WERE FLAGGED BY FJA ENVIRONMENTAL ASSOCIATES AND SURVEY LOCATED BY NATIONAL LAND SURVEYORS INC.
2. WETLAND FLAGGING WITH THE PREFIXES "WA & WB" HAVE BEEN VERIFIED BY RIDEM UNDER APPLICATION NUMBER 01-0271. WETLAND FLAGS WITH THE PREFIX "WC" WERE NOT VERIFIED BUT WERE REVIEWED UNDER RIDEM PERMIT NUMBER 03-0045.
3. TOPOGRAPHY SHOWN ON THIS PLAN HAS BEEN ADJUSTED TO REFLECT THE NGVD 29 DATUM.
4. THE ENTIRE SITE IS A WOODED COVER WITH LIGHT UNDERBRUSH.
5. THE PHASE 1 DEVELOPMENT SHOWN IS NOT CONSTRUCTED BUT IS APPROVED AND WILL BE CONSTRUCTED PRIOR TO THE CONSTRUCTION OF PHASE 2.
6. AS PART OF PHASE 1, UTILITY IMPROVEMENTS TO WATER, SEWER AND GAS WILL BE PERFORMED WITHIN MAIN STREET. EACH UTILITY WILL BE AVAILABLE TO BOTH PHASE 1 AND PHASE 2.

LEGEND:

- ASSESSOR'S PLAT LINE
- PROPERTY LINE
- AP 1 / LOT 47 ASSESSOR'S PLAT / LOT NO.
- - - EASEMENT LINES
- - - EXISTING CONTOUR
- - - ABUTTING PROPERTY LINE
- - - CENTER LINE STREAM
- △ WETLAND EDGE
- STONE WALL
- STONE BOUND
- IRON PIN
- UTILITY POLE
- TEST HOLE LOCATION
- △ LEDGE TEST LOCATION
- △ LEDGE ELEVATION
- TEST PIT

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED OCT 21 2004 FILE # 03-04173
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.



NO.	DATE	REVISION
1	10/21/04	TEST PIT LOCATIONS

JOHN P. CAITO
PROFESSIONAL ENGINEER
REG. NO. 4388
STATE OF RHODE ISLAND
401-944-0300
401-944-6035
FAX: 401-944-6035

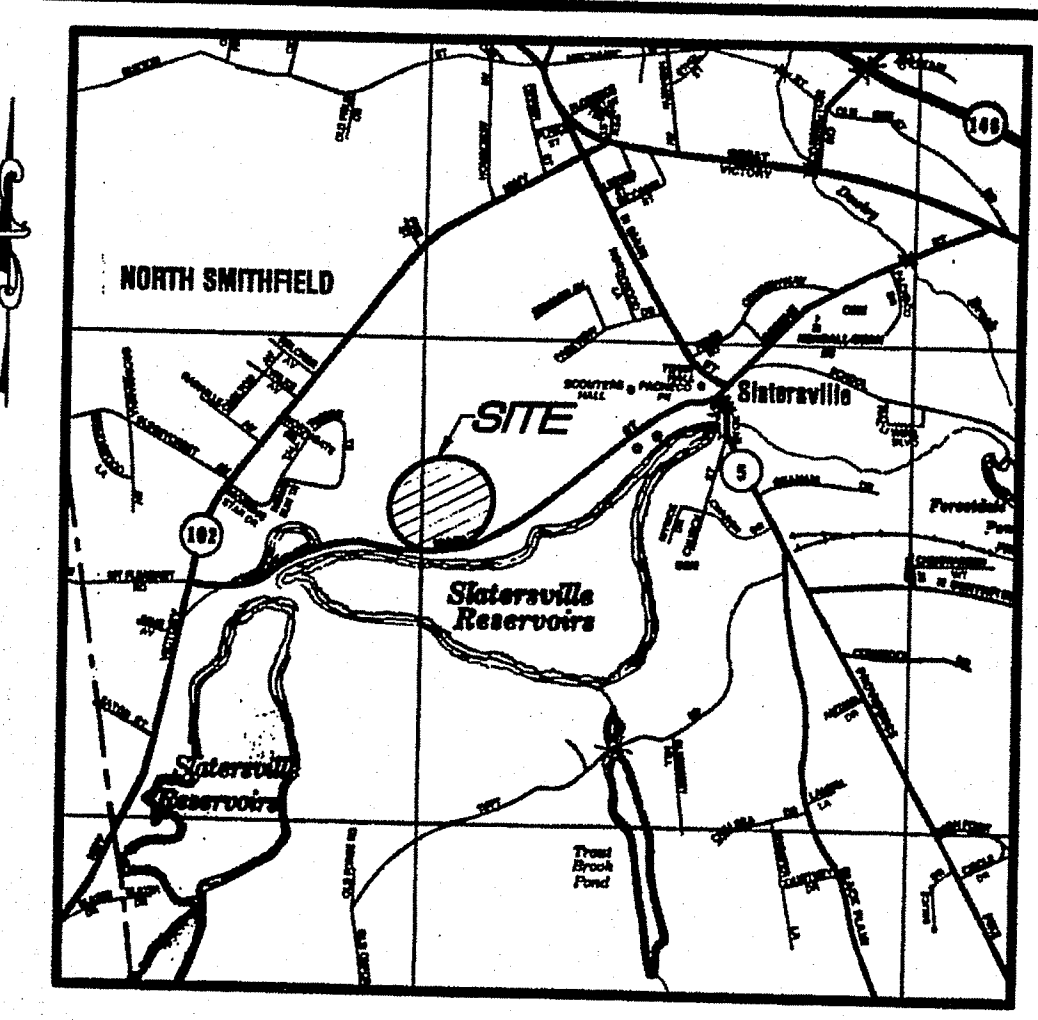
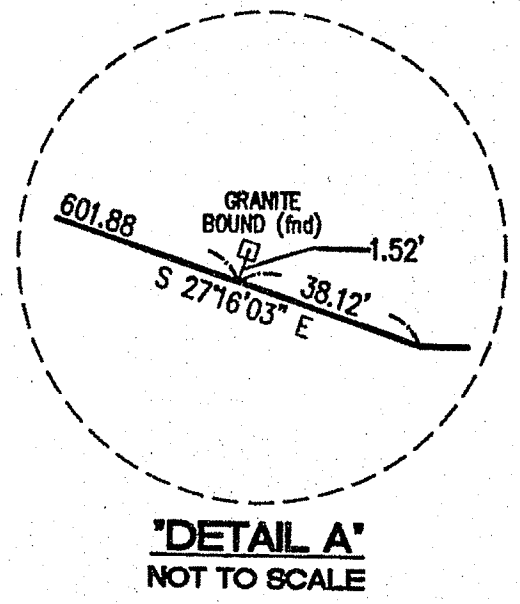
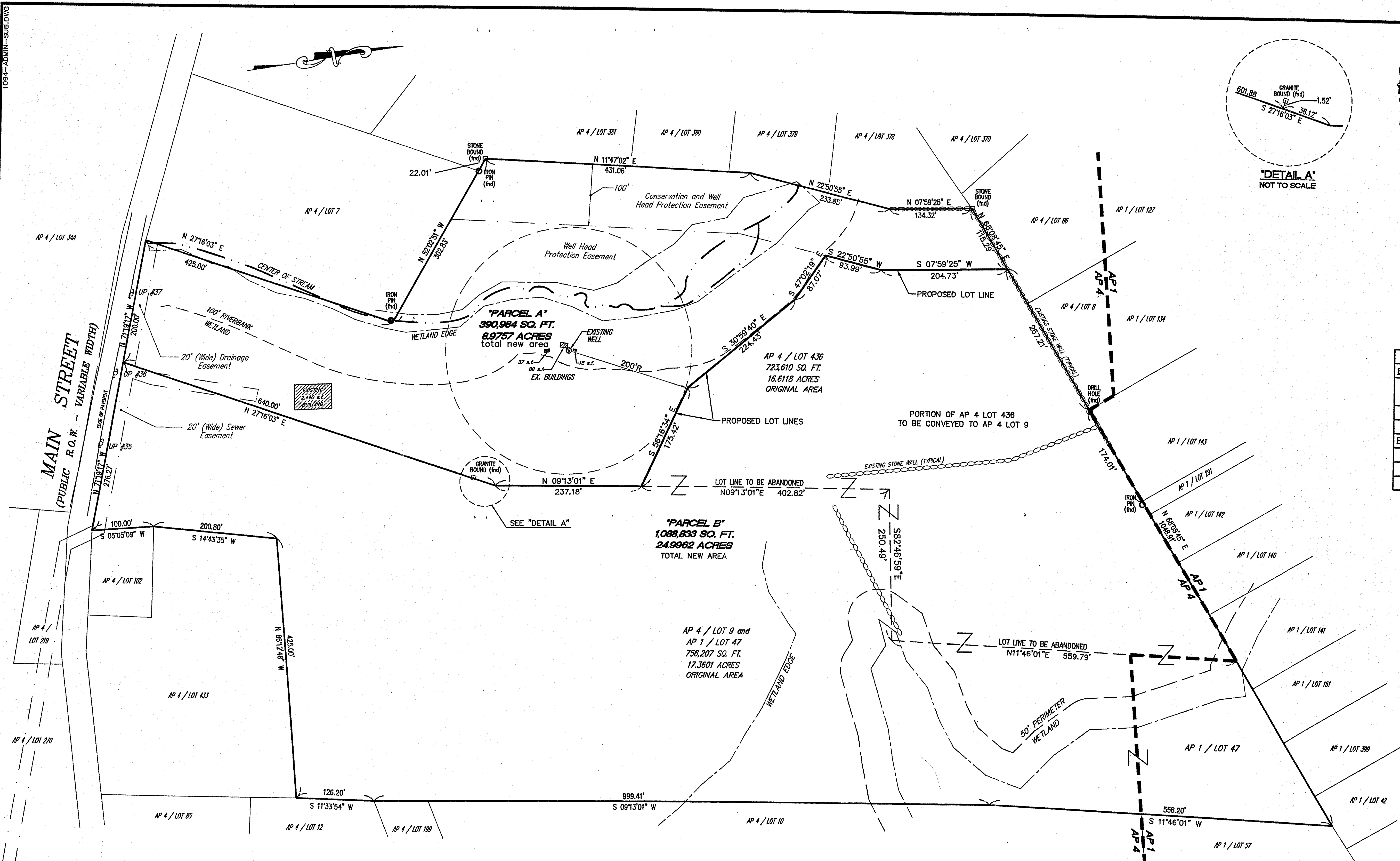
CAITO CORPORATION
LAND PLANNERS
CIVIL ENGINEERS

PROJECT NO: 589.1084
DATE: SEPTEMBER, 2003
SCALE: 1" = 80'
DESIGNED BY: JCH, M.J.V.
DRAWN BY: M.J.V., G.A.
CHECKED BY: J.P.C.

EXISTING CONDITIONS PLAN
SILVER PINES - PHASE 2
A.P. 1, LOT 47 and A.P. 4, LOTS 9 and 436
NORTH SMITHFIELD
PREPARED FOR
D.A.S. CONTRACTING CORPORATION
RHODE ISLAND
MAIN STREET

DRAWING NUMBER
2
SHEET 1 OF 4

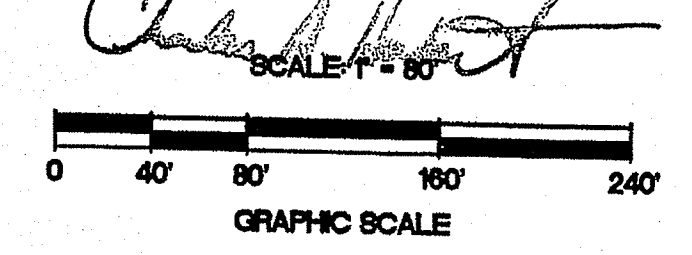
OCT 1 2004



TABULATED AREAS		
EXISTING:	AREA (S.F.)	AREA (Ac.)
A.P. 4, LOT 9	756,207	17.3601
A.P. 1, LOT 47	723,610	16.6118
TOTALS =	1,479,817	33.9719
PROPOSED:	AREA (S.F.)	AREA (Ac.)
PARCEL "A"	390,984	8.9757
PARCEL "B"	1,088,833	24.9962
TOTALS =	1,479,817	33.9719

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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James Freeman

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
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 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED OCT 9 2004 FILE # 03-0473
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Charles H. Hest



REFERENCES:
 PLAN ENTITLED: "DIVISION OF LAND OWNED BY ANTONIO PACHECO NORTH SMITHFIELD, RHODE ISLAND JANUARY, 1986
 SCALE: 1 INCH EQUALS 40 FEET PREPARED BY NATIONAL ENGINEER-LAND SURVEYORS, INC."

FLOOD NOTE:
 THIS AREA LIES WITHIN ZONE "X" OF THE NATIONAL FLOOD INSURANCE RATE MAPS - AREA OUTSIDE OF THE 500 YEAR FLOOD PLAIN, TOWN OF NORTH SMITHFIELD, RHODE ISLAND, PROVIDENCE COUNTY COMMUNITY PANEL NUMBER 440021-0005C, DATED 12/3/1993.

- LEGEND:**
- EXISTING ASSESSOR'S PLAT LINE
 - EXISTING PROPERTY LINE
 - PROPOSED LOT LINE
 - EASEMENT LINES
 - LOT LINE TO BE ABANDONED
 - ABUTTING PROPERTY LINE
 - CENTER LINE STREAM
 - WETLAND EDGE
 - STONE WALL
 - STONE BOUND
 - IRON PIN
 - EXISTING UTILITY POLE

OWNER:
 ASSESSOR'S PLAT 1, LOT 47
 D.A.S. CONTRACTING CORPORATION
 645 PATCHOGUE YAPHANK ROAD
 MEDFORD, N.Y. 11763-2211

ASSESSOR'S PLAT 4, LOT 436
 D.A.S. CONTRACTING CORPORATION
 645 PATCHOGUE YAPHANK ROAD
 MEDFORD, N.Y. 11763-2211

ASSESSOR'S PLAT 4, LOT 9
 D.A.S. CONTRACTING CORPORATION
 645 PATCHOGUE YAPHANK ROAD
 MEDFORD, N.Y. 11763-2211

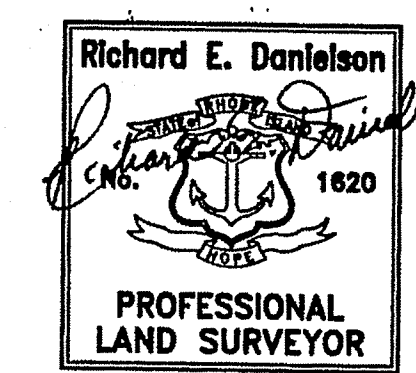
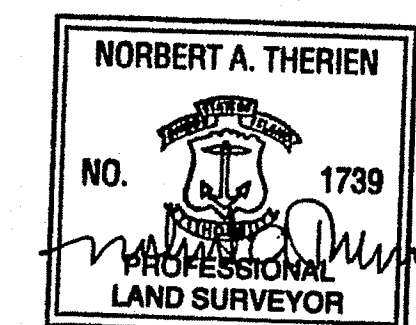
APPLICANT:
 D.A.S. CONTRACTING CORPORATION
 645 PATCHOGUE YAPHANK ROAD
 MEDFORD, N.Y. 11763-2211

CERTIFICATION: (PERIMETER ONLY)
 THIS SURVEY AND PLAN CONFORM TO A CLASS I STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

BY *Norbert A. Therien* 9/10/02
 PROFESSIONAL LAND SURVEYOR DATE

CERTIFICATION: (SUBDIVISION ONLY)
 THIS SURVEY AND PLAN CONFORM TO A CLASS I STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

BY *Richard E. Danielson* 9/10/02
 PROFESSIONAL LAND SURVEYOR DATE



ZONING DISTRICT: RU-20
 URBAN RESIDENTIAL

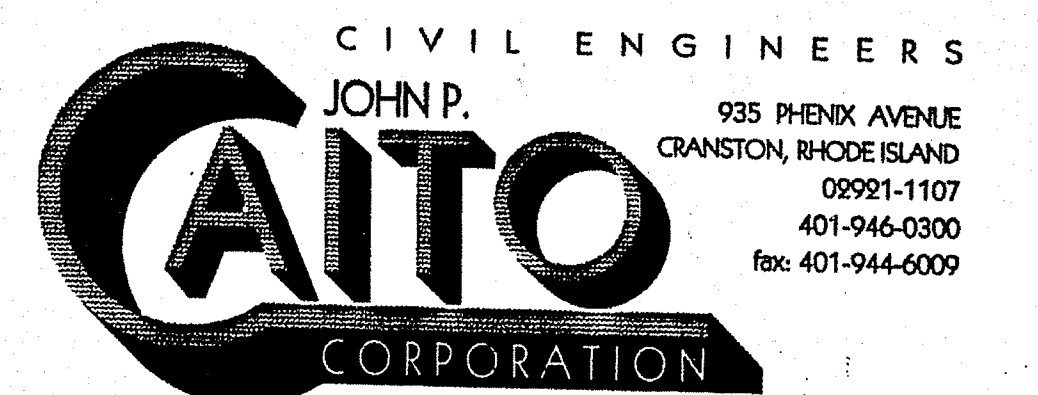
THIS PLAT SHALL BE INDEXED BY THE FOLLOWING STREET NAME:
 MAIN STREET

ADMINISTRATIVE SUBDIVISION PLAN
SILVER PINES
 ASSESSOR'S PLAT 4, LOTS 9, 436 and ASSESSOR'S PLAT 1, LOT 47

SITUATED IN
 NORTH SMITHFIELD, RHODE ISLAND

PREPARED FOR
D.A.S. CONTRACTING CORPORATION

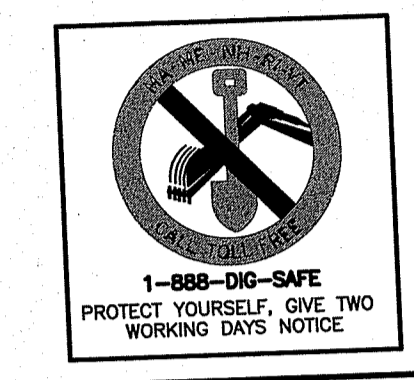
PREPARED BY



OCT - 1 2004
 AUGUST, 2002
 SHEET 18 of 19

No.	Revision:	Date:

REFERENCES:
 PLAN ENTITLED "SILVER PINES - PHASE II MAIN STREET NORTH SMITFIELD, RHODE ISLAND AP 4, LOT 9" OVERALL SITE GRADING PLAN SHEET 8 OF 16 JUNE 2020 BY JOE CASALI ENGINEERING, INC.

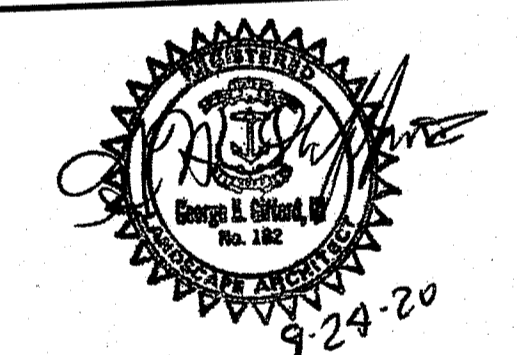


SILVER PINES - PHASE 2

A.P. 1, LOT 47 AND
 A.P. 4, LOTS 9 & 436
 NORTH SMITFIELD, RI

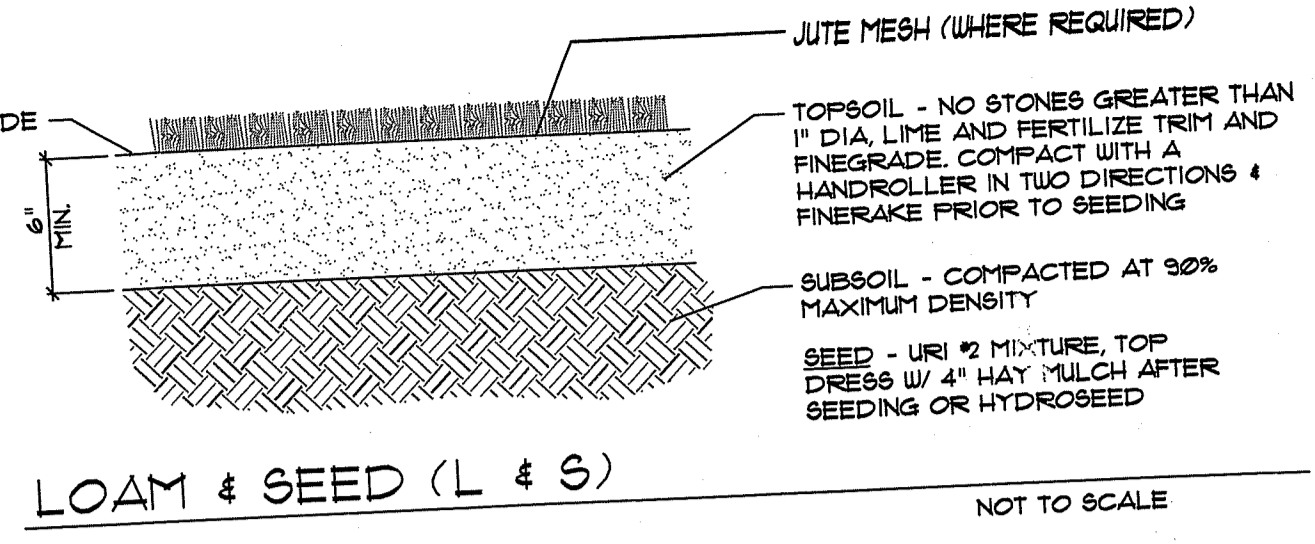
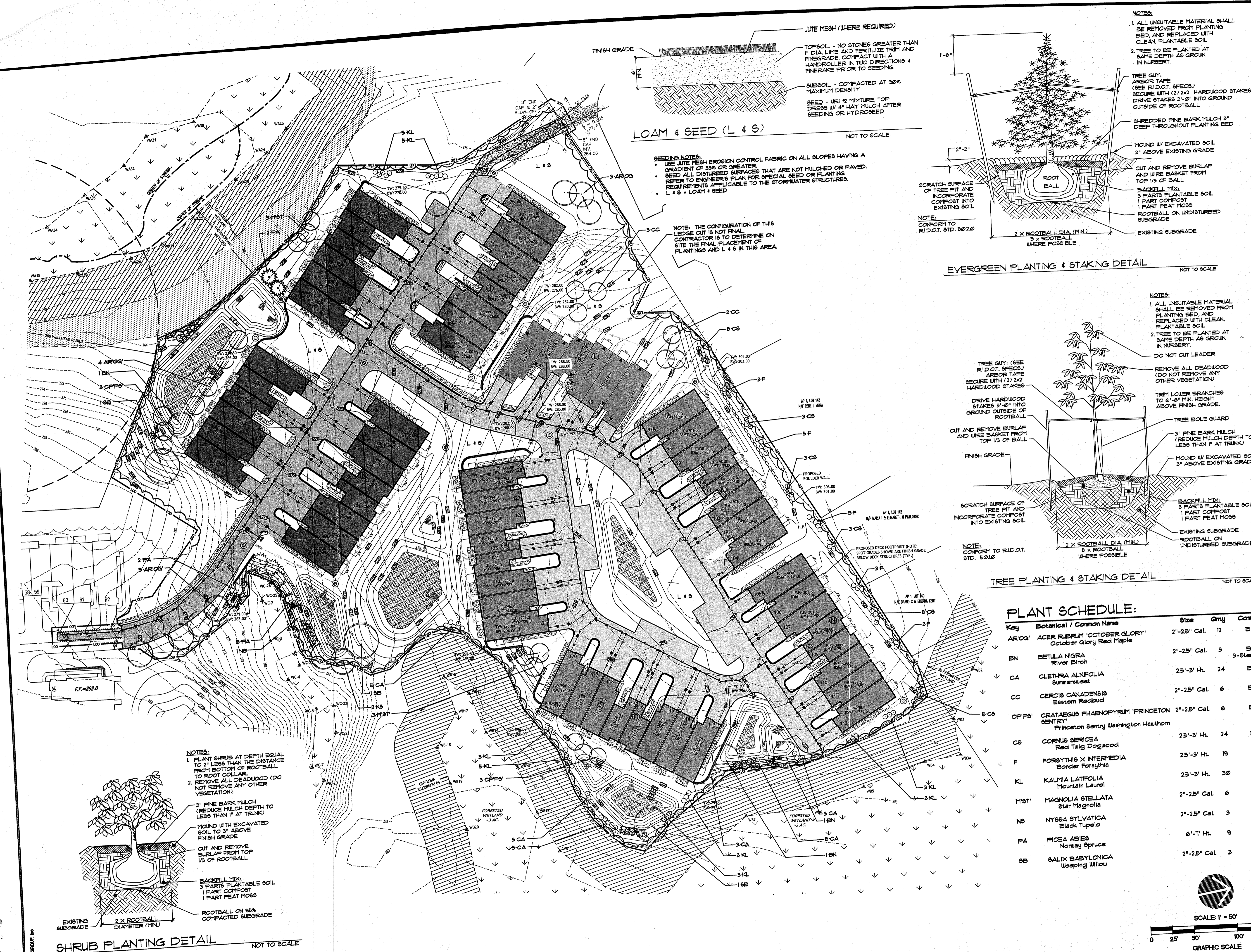
OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER
 DATED OCT 16 2020 FILE # 20-0151
 NO CHANGES ALLOWED WITHOUT PREVIOUS APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy Freeman

THE GIFFORD DESIGN GROUP, Inc.
 LANDSCAPE ARCHITECTURE
 ENVIRONMENTAL PLANNING
 4096 MENDON ROAD, CUMBERLAND, RHODE ISLAND 02864
 PHONE (401) 671-6336 FAX (401) 671-6466

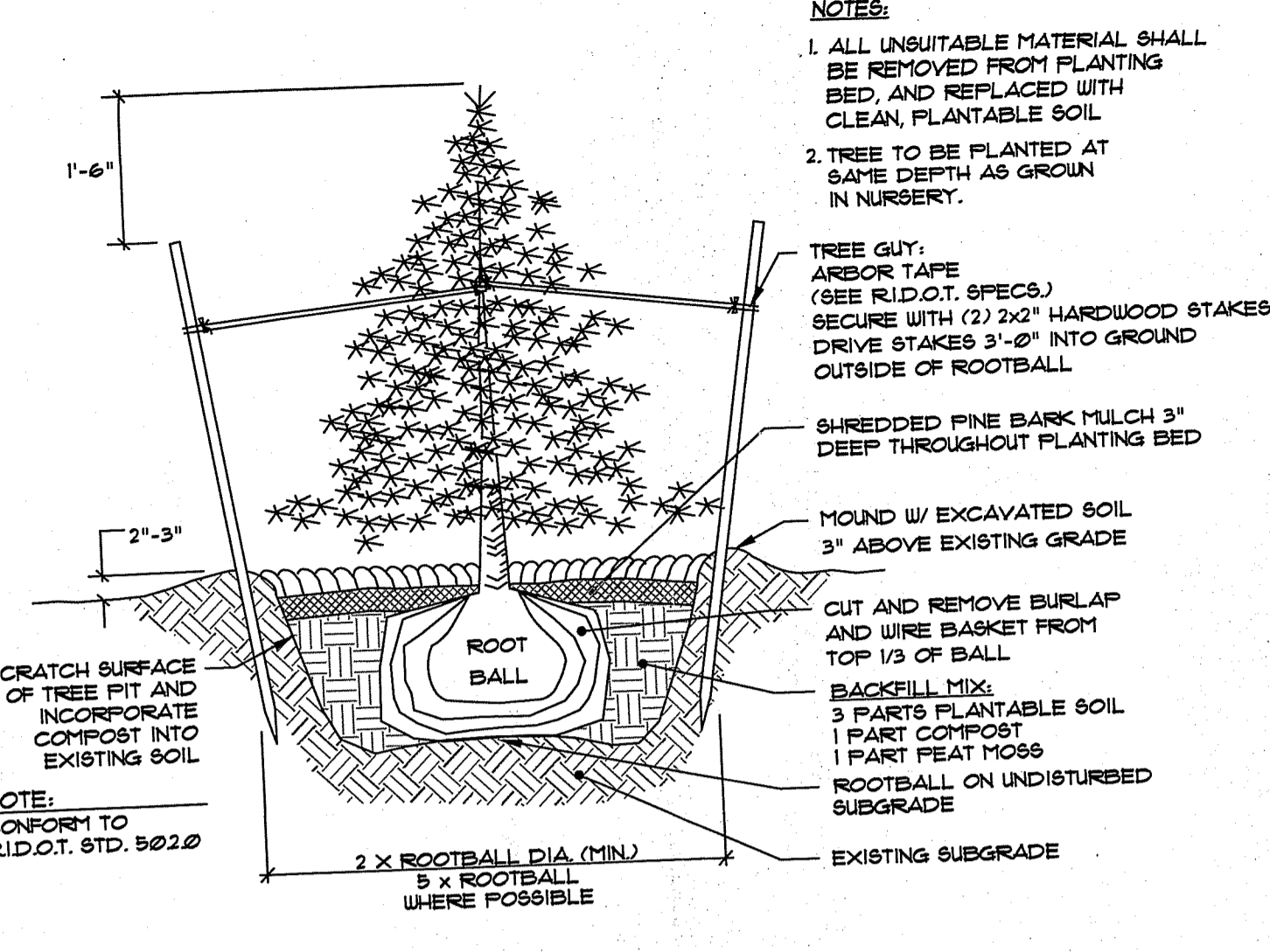


R.I.D.E.M SUBMISSION LANDSCAPE PLAN - PERIMETER

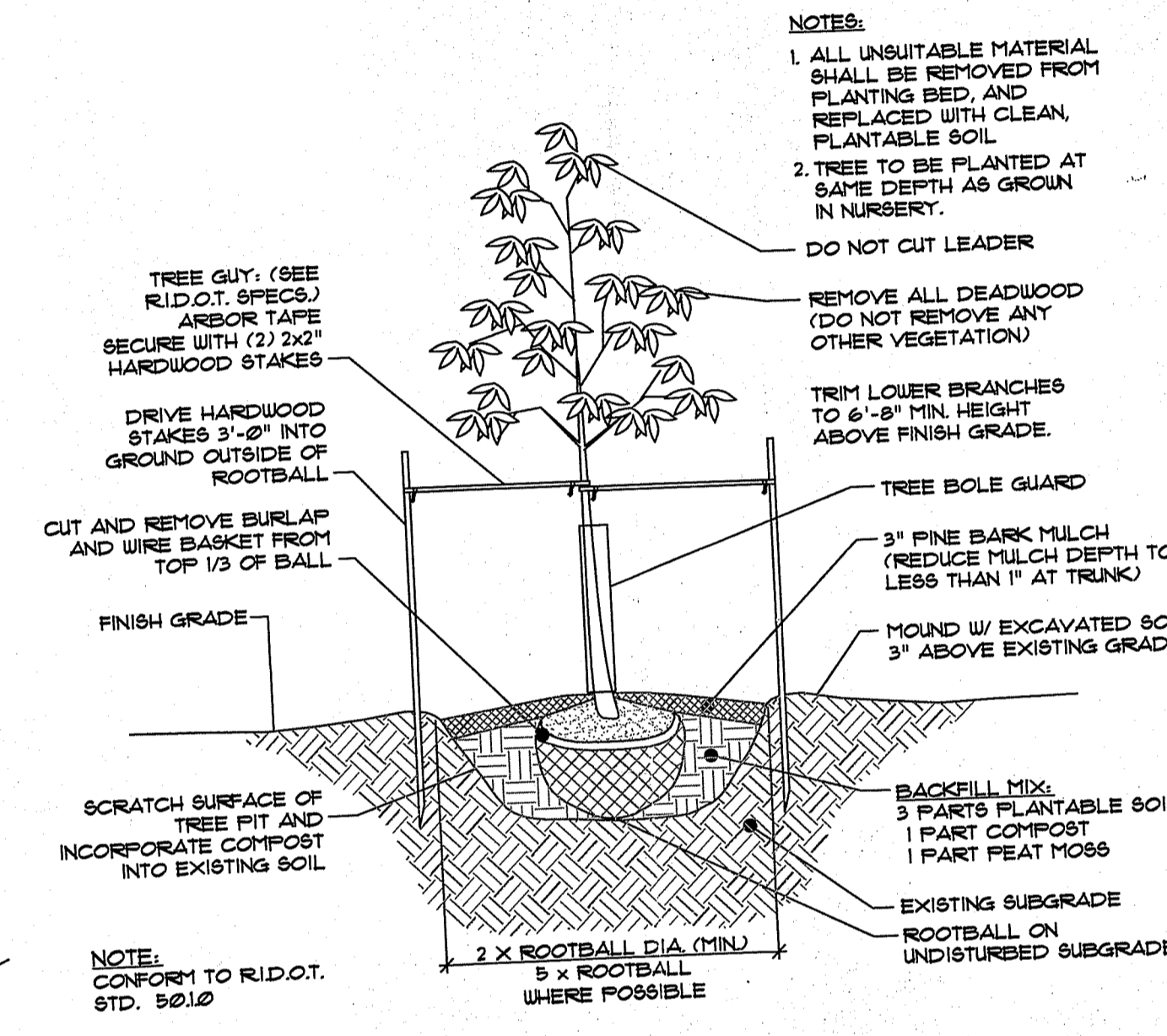
PROJECT NO. 102.1008	DRAWING 1 OF 1
DATE: SEPTEMBER 2020	DRAWING NO. L-1
SCALE: AS SHOWN	CHECKED BY: GHG
DRAWN BY: CB	



SEEDING NOTES:
 • USE JUTE MESH EROSION CONTROL FABRIC ON ALL SLOPES HAVING A GRADIENT OF 33% OR GREATER.
 • SEED ALL DISTURBED SURFACES THAT ARE NOT MULCHED OR PAVED. REFER TO ENGINEER'S PLAN FOR SPECIAL SEED OR PLANTING REQUIREMENTS APPLICABLE TO THE STORMWATER STRUCTURES.
 • L & S = LOAM & SEED



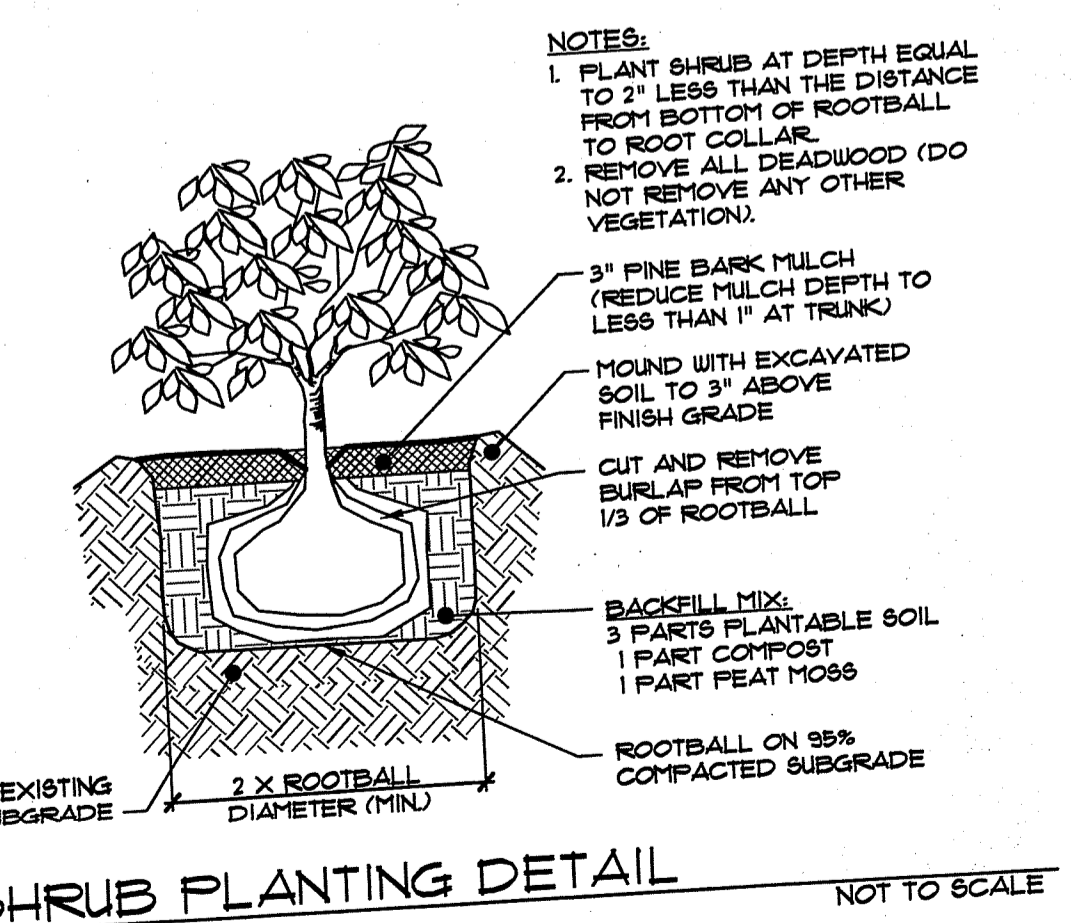
EVERGREEN PLANTING & STAKING DETAIL NOT TO SCALE



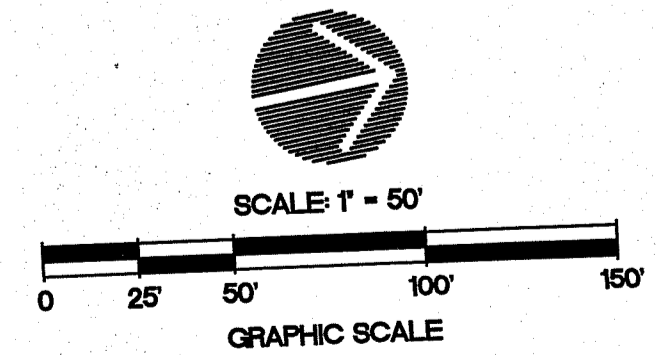
TREE PLANTING & STAKING DETAIL NOT TO SCALE

PLANT SCHEDULE:

Key	Botanical / Common Name	Size	Qty	Comment
AROG	ACER RUBRUM 'OCTOBER GLORY' October Glory Red Maple	2'-25" Cal.	12	B4B
BN	BETULA NIGRA River Birch	2'-25" Cal.	3	B4B 3-Start Clump
CA	CLETHRA ALNIFOLIA Summersweet	25'-3' Ht.	24	B4B
CC	CERCIS CANADENSIS Eastern Redbud	2'-25" Cal.	6	B4B
CPFB	CRATAEGUS PHAENOPYRUM 'PRINCETON SENTRY' Princeton Sentry Washington Hawthorn	2'-25" Cal.	6	B4B
CS	CORNUS SERICEA Red Twig Dogwood	25'-3' Ht.	24	B4B
F	FORSYTHIA X INTERMEDIA Border Forsythia	25'-3' Ht.	18	B4B
KL	KALMIA LATIFOLIA Mountain Laurel	25'-3' Ht.	30	B4B
M8T	MAGNOLIA STELLATA Star Magnolia	2'-25" Cal.	6	B4B
NS	NYSSA SYLVATICA Black Tupelo	2'-25" Cal.	3	B4B
PA	PICEA ABIES Norway Spruce	6'-7' Ht.	9	B4B
SB	SALIX BABYLONICA Weeping Willow	2'-25" Cal.	3	B4B



SHRUB PLANTING DETAIL NOT TO SCALE



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