

PROPOSED SITE DEVELOPMENT

D.F. PRAY

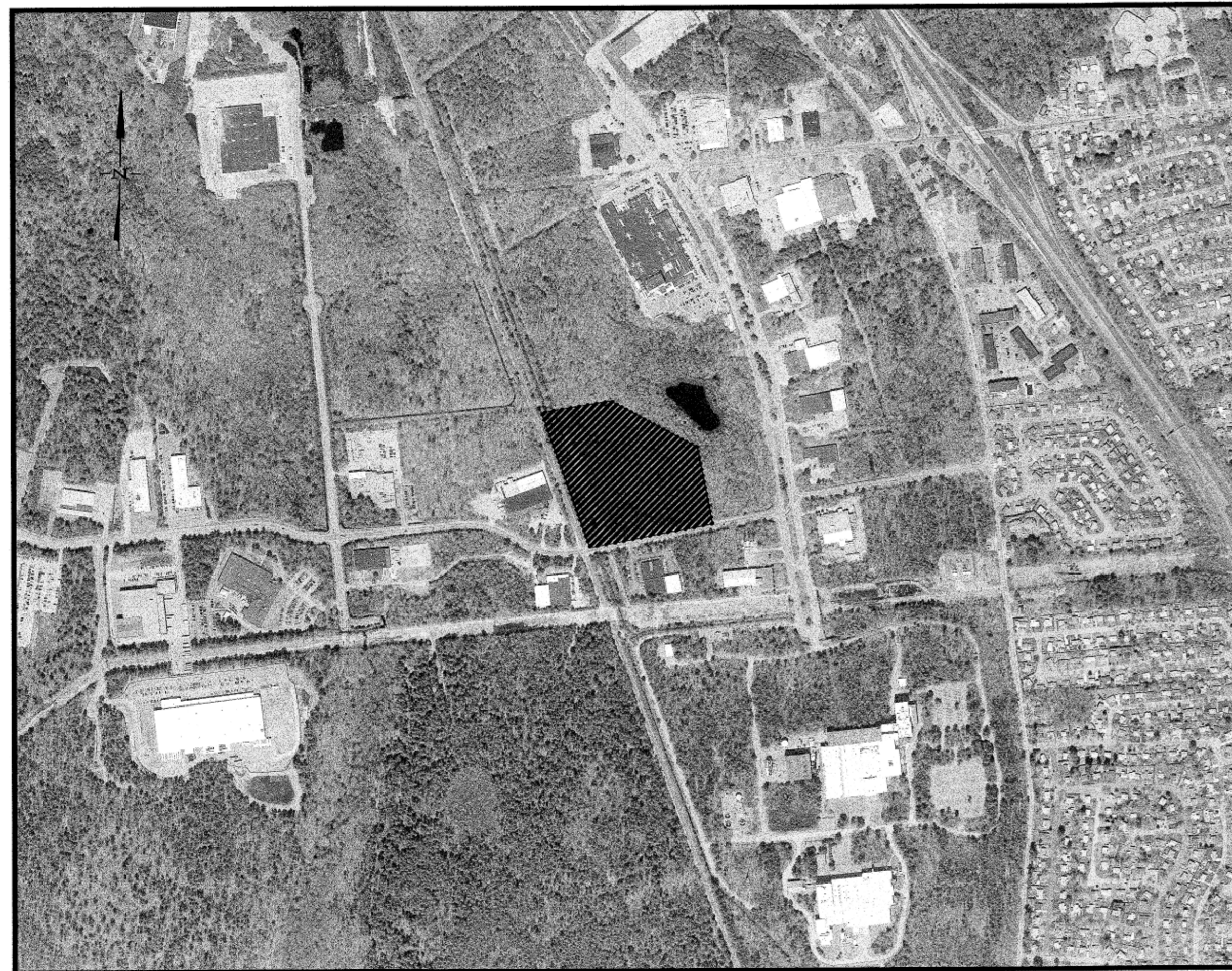
SITE DRAWINGS

ISSUED FOR: PERMITTING
 DATE ISSUED: FEBRUARY 2, 2022
 LATEST ISSUE:

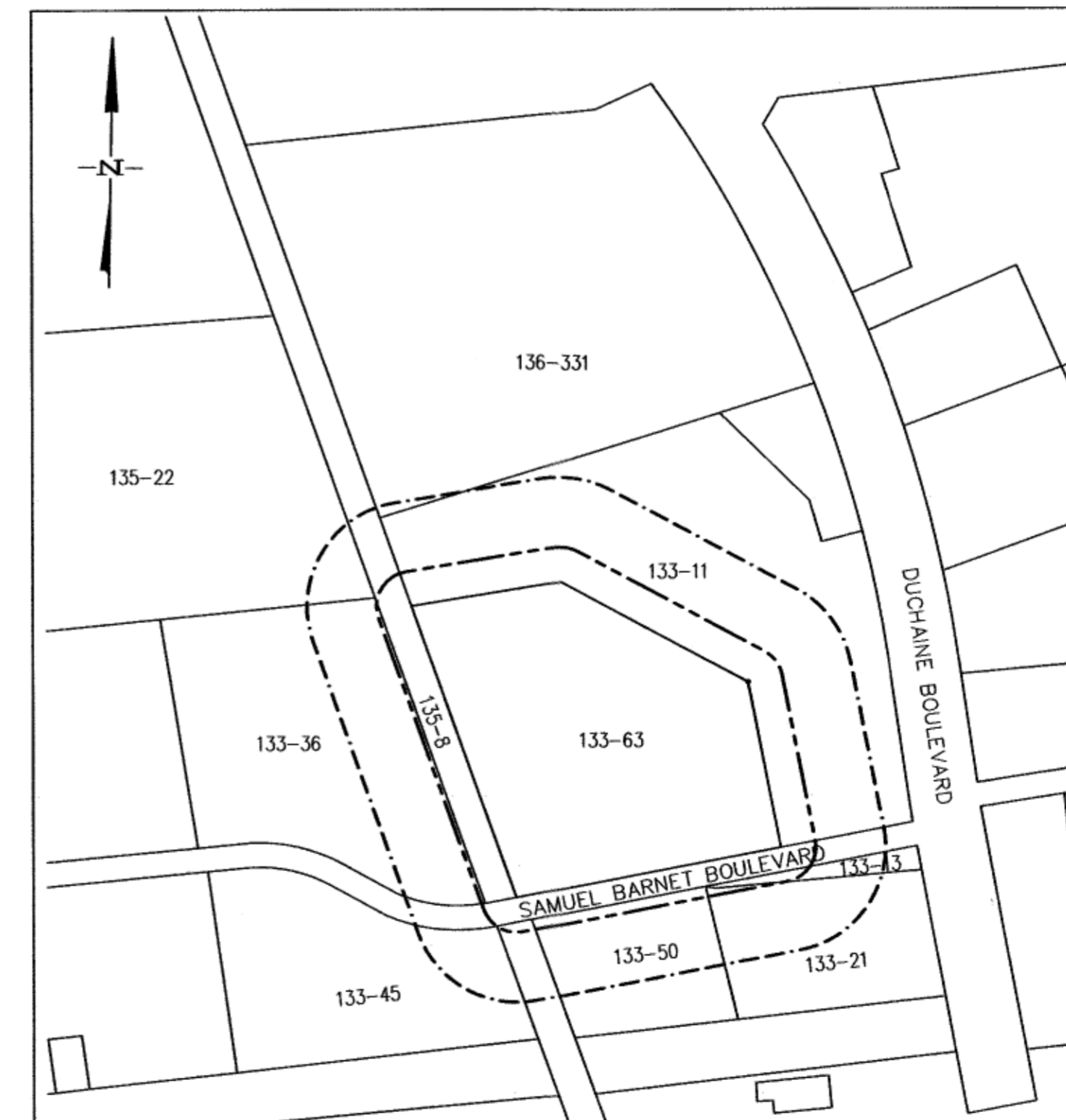
SAMUEL BARNET BOULEVARD NEW BEDFORD, MASSACHUSETTS

INDEX TO DRAWINGS

SHEET	DRAWING TITLE
	TITLE SHEET
N-1	NOTES & LEGEND
EC-1	EXISTING CONDITIONS
SL-1	SITE LAYOUT
SGD-1	SITE GRADING & DRAINAGE
SU-1	SITE UTILITIES
PP-1	RAIL SPUR PLAN & PROFILE
REP-1	WETLAND REPLICATION
EROS-1	EROSION CONTROL
LAND-1	SITE LIGHTING & LANDSCAPING
D-1	DETAIL SHEET 1
D-2	DETAIL SHEET 2



SCALE: 1"=600'



SCALE: 1"=400'

--- 100' NOTIFICATION LINE
 - - - 300' NOTIFICATION LINE
 _____ PROJECT SITE

LOT NO.	OWNER OF RECORD
133-11	GREATER NEW BEDFORD INDUSTRIAL FOUNDATION
133-13	GREATER NEW BEDFORD INDUSTRIAL FOUNDATION
133-21	MILHENCH LLC
133-36	B3 SEIP BARNETT OWNER LLC
133-45	CP BOURG INC.
133-50	IMTRA CORPORATION
133-63	GREATER NEW BEDFORD INDUSTRIAL FOUNDATION
135-8	PENN CENTRAL CO., CONSOLIDATED RAIL CORP.
135-22	GREATER NEW BEDFORD INDUSTRIAL FOUNDATION
136-331	ACUSHNET COMPANY C/O SUE BRENNER

PROJECT LOCATION:

ASSESSORS MAP 133 LOT 63
 NEW BEDFORD, MASSACHUSETTS

ENGINEER:

FIELD ENGINEERING CO., INC.
 11D INDUSTRIAL DRIVE
 P.O. BOX 1178
 MATTAPOISETT, MA 02739

APPLICANT/OWNER:

D.F. PRAY
 25 ANTHONY STREET
 SEEKONK, MA 02771

PROPOSED SITE DEVELOPMENT

MAP 133 LOT 63
 SAMUEL BARNET
 BOULEVARD
 NEW BEDFORD, MA



**FIELD
 ENGINEERING
 CO., INC.**
 CONSULTING ENGINEERS

11D INDUSTRIAL DRIVE
 P.O. BOX 1178
 MATTAPOISETT, MA 02739
 TEL: (508) 758-2749
 FAX: (508) 758-2849

Project No. 2380

FIELD ENGINEERING CO., INC.
CONSULTING ENGINEERS

110 INDUSTRIAL DRIVE
P.O. BOX 1176
MATTAPANSETT, MA 02739
TEL: (508) 758-2749
FAX: (508) 758-2849

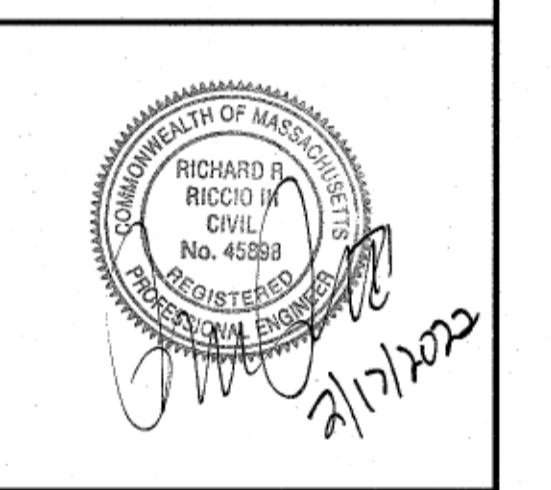
No.	Description	Date	App'd.

Date: 2/2/2022

Scale: 1"=50'

Drawn By: RMS
Designed By: JCC/RRR
Checked By: RRR

Issued For: PERMITTING

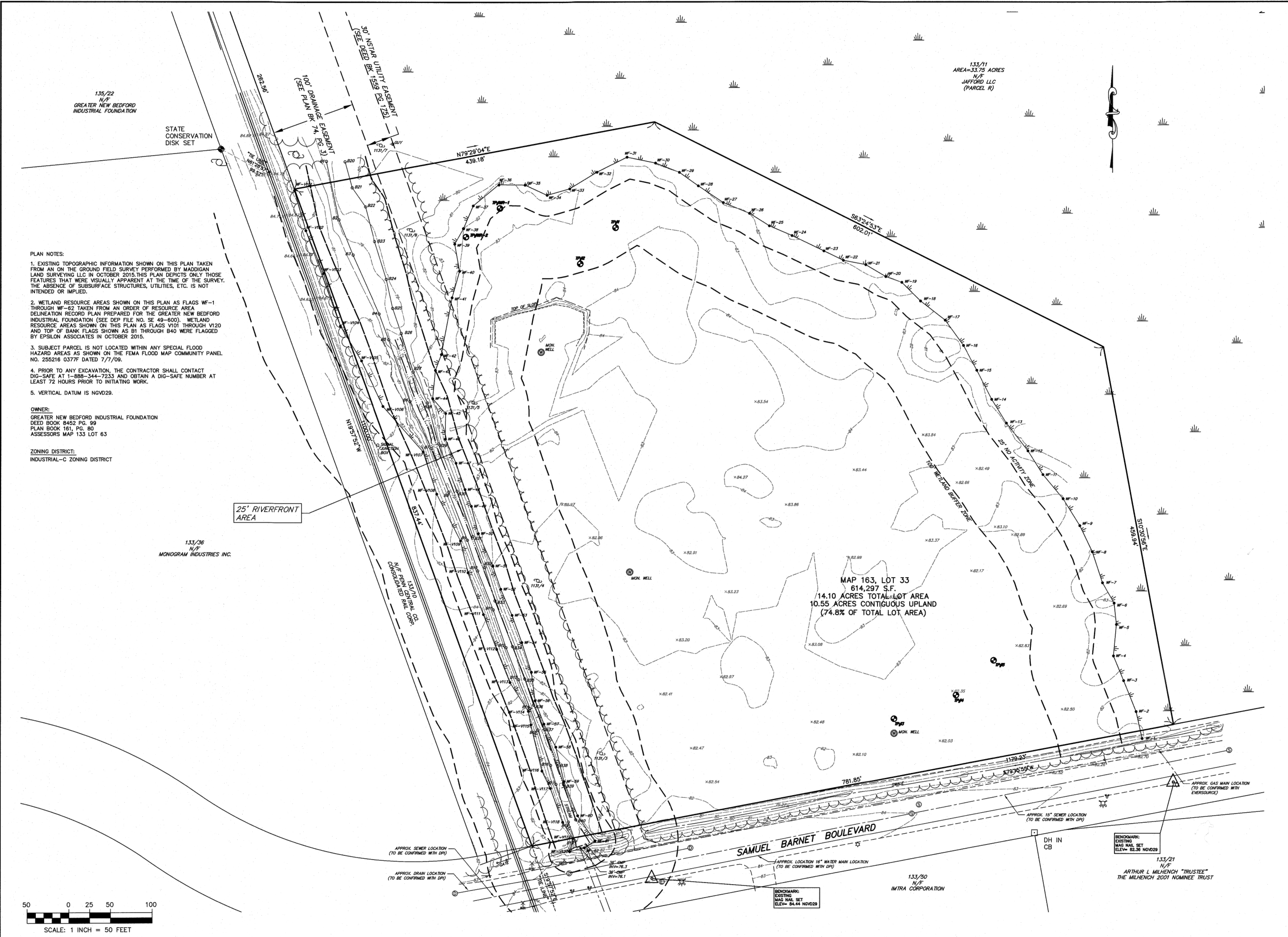


PROPOSED SITE DEVELOPMENT
D.F. PRAY
SAMUEL BARNET BOULEVARD
NEW BEDFORD, MASSACHUSETTS

Drawing Title: EXISTING CONDITIONS

Project No. 2380
Sheet 3 OF 12

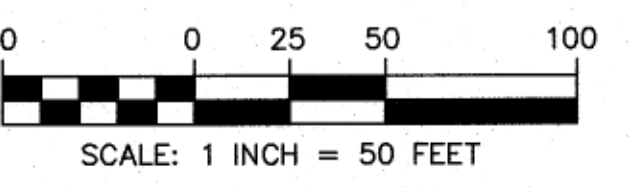
EC-1



- PLAN NOTES:**
- EXISTING TOPOGRAPHIC INFORMATION SHOWN ON THIS PLAN TAKEN FROM AN ON THE GROUND FIELD SURVEY PERFORMED BY MADDIGAN LAND SURVEYING LLC IN OCTOBER 2015. THIS PLAN DEPICTS ONLY THOSE FEATURES THAT WERE VISUALLY APPARENT AT THE TIME OF THE SURVEY. THE ABSENCE OF SUBSURFACE STRUCTURES, UTILITIES, ETC. IS NOT INTENDED OR IMPLIED.
 - WETLAND RESOURCE AREAS SHOWN ON THIS PLAN AS FLAGS WF-1 THROUGH WF-62 TAKEN FROM AN ORDER OF RESOURCE AREA DELINEATION RECORD PLAN PREPARED FOR THE GREATER NEW BEDFORD INDUSTRIAL FOUNDATION (SEE DEP FILE NO. SE 49-600). WETLAND RESOURCE AREAS SHOWN ON THIS PLAN AS FLAGS V101 THROUGH V120 AND TOP OF BANK FLAGS SHOWN AS B1 THROUGH B40 WERE FLAGGED BY EPSILON ASSOCIATES IN OCTOBER 2015.
 - SUBJECT PARCEL IS NOT LOCATED WITHIN ANY SPECIAL FLOOD HAZARD AREAS AS SHOWN ON THE FEMA FLOOD MAP COMMUNITY PANEL NO. 255216 0377F DATED 7/7/09.
 - PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT DIG-SAFE AT 1-888-344-7233 AND OBTAIN A DIG-SAFE NUMBER AT LEAST 72 HOURS PRIOR TO INITIATING WORK.
 - VERTICAL DATUM IS NGVD29.

OWNER:
GREATER NEW BEDFORD INDUSTRIAL FOUNDATION
DEED BOOK 8452 PG. 99
PLAN BOOK 161, PG. 80
ASSESSORS MAP 133 LOT 63

ZONING DISTRICT:
INDUSTRIAL-C ZONING DISTRICT



F:\Project\2380-2389\2380_D.F. Pray\Drawings\2380_SIT1.dwg

PARKING AND LOADING REQUIREMENTS
 APPENDIX C OF ZONING ORDINANCE

CATEGORY: BUSINESSES ENGAGED IN THE WAREHOUSING AND DISTRIBUTION OF GOODS & MATERIALS INCLUDING BUILDING & CONSTRUCTION CONTRACTORS, EQUIPMENT & SUPPLIES ON PREMISES, MOTOR FREIGHT TERMINAL, FACILITIES FOR STORING & SERVICING OF MOTOR VEHICLES USED IN CONDUCTING A BUSINESS OR PUBLIC TRANSPORTATION, INDUSTRIAL MACHINERY & EQUIPMENT, GRAIN, PETROLEUM PRODUCTS & JUNKYARDS.

PARKING REQUIRED: ONE (1) SPACE PER 1,500 S.F. OF GROSS FLOOR AREA UP TO 15,000 S.F. AFTER 15,000 S.F. ONE (1) SPACE PER 5,000 S.F. PLUS ONE (1) SPACE FOR EACH VEHICLE UTILIZED IN THE BUSINESS.

GROSS FLOOR AREA = 92,000 S.F. ±
 15,000 S.F. x 1 SPACE / 1,500 S.F. = 10 SPACES
 77,000 S.F. x 1 SPACE / 5,000 S.F. = 15 SPACES
 1 SPACE FOR EACH VEHICLE UTILIZED IN THE BUSINESS = 10 SPACES ±

PARKING PROVIDED: 36 VEHICULAR PARKING SPACES
 8 LOADING SPACES
 44 TOTAL SPACES

ZONING DISTRICT INDUSTRIAL "C"
 INTENSITY OF USE:

	REQUIRED	PROVIDED
LOT AREA	N/A	14.1 AC. ±
FRONTAGE	N/A	781.85 FT.
FRONT YARD	25 FT.	180.6 FT. (MIN)
SIDE YARD	25 FT.	142.8 FT. (MIN)
REAR YARD	25 FT.	128.2 FT. (MIN)
BUILDING STORIES	100 FT.	45 FT. (MAX)
BUILDING COVERAGE	50 % (MAX)	15 %
GREEN SPACE	20 % (MIN)	76 %

PROPOSED RAIL SPUR (20' WIDE PERMANENT ALTERATION)
 TOTAL PERMANENT WETLAND ALTERATION=4,639 SF±
 TOTAL RIVERFRONT AREA (RFA) ON THE PROJECT SITE=53,259 SF±
 TOTAL PERMANENT RFA ALTERATION=3,289 SF± (6.2%± TOTAL RFA ON SITE)

PROPOSED WETLAND CROSSING CONSTRUCTION NOTES

- PRIOR TO CONSTRUCTION, THE CONTRACTOR/OWNER SHALL SET UP A PRE-CONSTRUCTION MEETING WITH THE PROJECT ENGINEER AND REPRESENTATIVES OF THE CONSERVATION COMMISSION TO REVIEW SEQUENCING OF CONSTRUCTION OF THE PROPOSED WETLAND CROSSING ASSOCIATED WITH THE PROPOSED RAIL SPUR.
- THE CONTRACTOR SHALL MINIMIZE TEMPORARY IMPACTS TO THE EXISTING WETLAND SYSTEM. ANY IMPACTS TO THE EXISTING WETLAND SYSTEM ABOVE AND BEYOND THE PROPOSED IMPACTS SHOWN ON THIS PLAN SHALL BE REVIEWED AND APPROVED BY THE NEW BEDFORD CONSERVATION COMMISSION PRIOR TO CONSTRUCTION.
- ALL DISTURBED AREAS WITHIN THE WETLAND RESOURCE AREA AND INLAND BANK BEYOND THE PROPOSED RAIL SPUR AND ASSOCIATED BALLAST SHALL BE SPRAYED WITH A NEW ENGLAND WETLAND SEED MIX (AS MANUFACTURED BY NEW ENGLAND WETLAND PLANTS) FOLLOWING CONSTRUCTION FOR STABILIZATION.
- AN ENVIRONMENTAL MONITOR SHALL BE ON-SITE AT THE COMMENCEMENT OF WORK WITHIN THE WETLAND RESOURCE AREAS AND SHALL MONITOR THE WORK FOR COMPLIANCE WITH THE DESIGN PLANS AND ORDER OF CONDITIONS.
- THE APPLICANT IS CURRENTLY WORKING WITH MASS COASTAL RAILROAD ON THE FINAL DESIGN OF THE PROPOSED RAIL SPUR. THE FINAL DESIGN PLANS AND DETAILS FOR THE RAIL SPUR SHALL BE SUBMITTED TO THE CONSERVATION COMMISSION FOR REVIEW PRIOR TO CONSTRUCTION.

PROPOSED SNOW MANAGEMENT NOTES

- SNOW SHALL BE STOCKPILED IN THE AREAS AS GENERALLY SHOWN ON THIS PLAN. NO SNOW SHALL BE DEPOSITED DIRECTLY ONTO THE ADJACENT ROADWAY LAYOUT, ADJACENT PROPERTIES, WETLAND RESOURCE AREAS, OR THE BOTTOM AREAS OF THE STORMWATER MANAGEMENT BEST MANAGEMENT PRACTICES. IN ADDITION, NO SNOW STOCKPILES SHALL DISTURB AND BLOCK THE LINES OF SITE VEHICLES ON THE ADJACENT ROADWAYS OR LEAVING THE SITE DRIVEWAYS.
- IN THE EVENT THAT THE SNOW STORAGE AREAS SHOWN ON THE PLAN ARE NOT SUFFICIENT, THE OWNERS SHALL TRANSPORT AND DISPOSE OF THE SNOW AT AN APPROVED LOCATION.
- ALL DRAINAGE STRUCTURES (I.E. CATCH BASINS AND WATER QUALITY INLETS) AND PAVED WATERWAYS SHALL BE KEPT CLEAR OF SNOW FOLLOWING STORM EVENTS. SNOW SHALL BE STOCKPILED IN AREAS THAT WILL DRAIN THROUGH THE STORMWATER MANAGEMENT SYSTEM PRIOR TO DISCHARGE TO WETLAND RESOURCE AREAS.

110 INDUSTRIAL DRIVE
 P.O. BOX 1178
 MATTAPOISETT, MA 02739
 TEL: (508) 758-2748
 FAX: (508) 758-2849

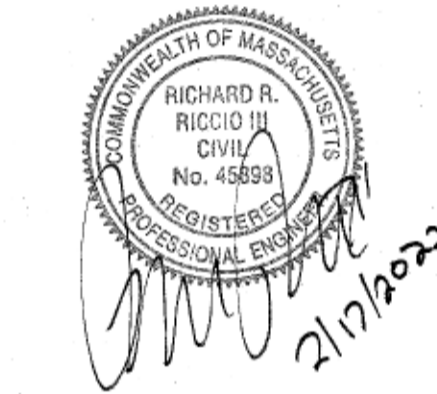
No.	Description	Date	Appr.

Date: 2/2/2022

Scale: 1"=50'

Drawn By: RMS
 Designed By: JCC/RRR
 Checked By: RRR

Issued For: PERMITTING

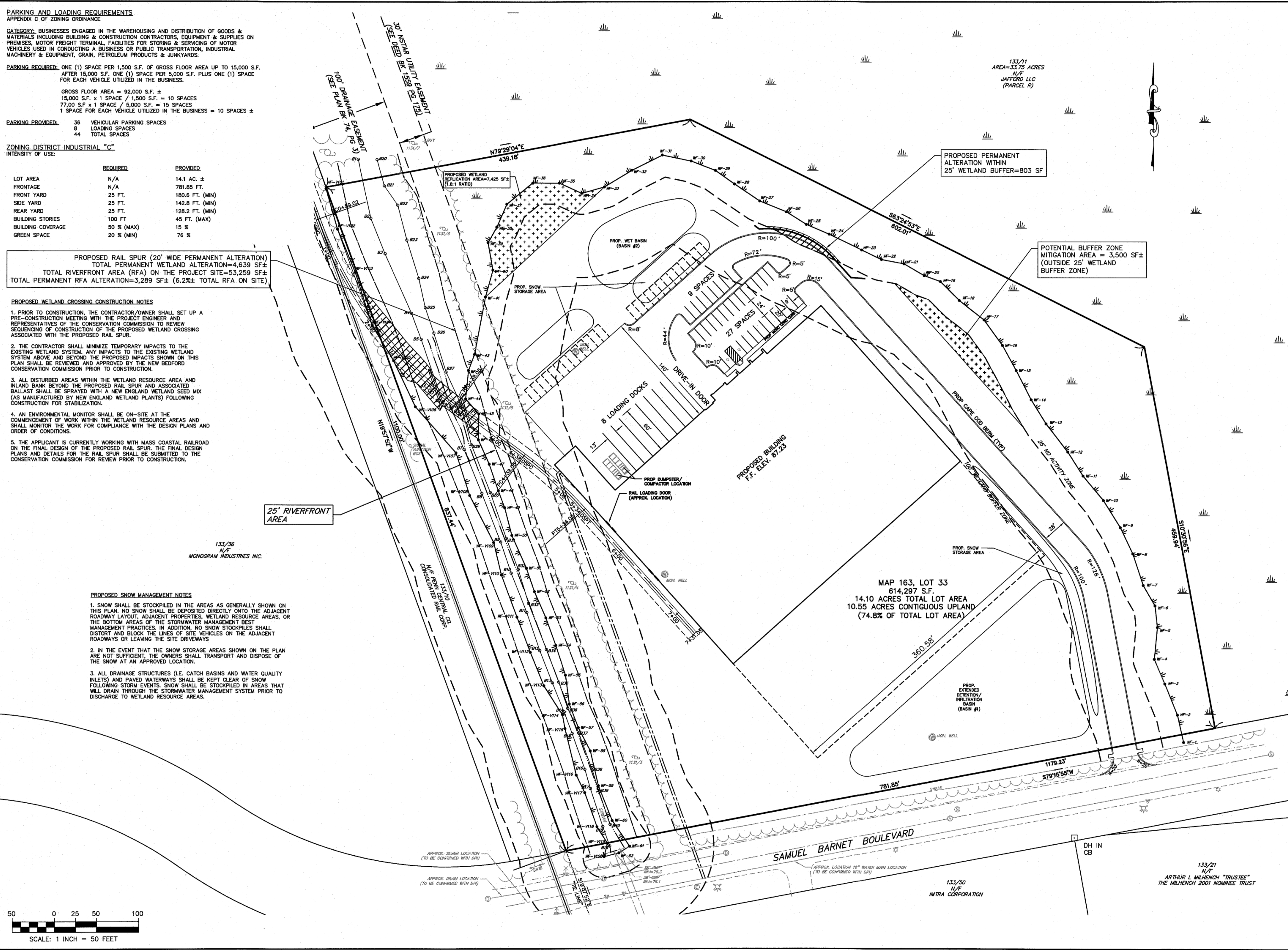


PROPOSED SITE DEVELOPMENT
 D.F. PRAY
 SAMUEL BARNET BOULEVARD
 NEW BEDFORD, MASSACHUSETTS

Drawing Title: SITE LAYOUT

Project No: 2380
 Sheet: 4 OF 12

SL-1



P:\Project\2380-2389\2380_D.F. Pray\Drawings\2380_SITE.dwg

No.	Description	Date	Appr.

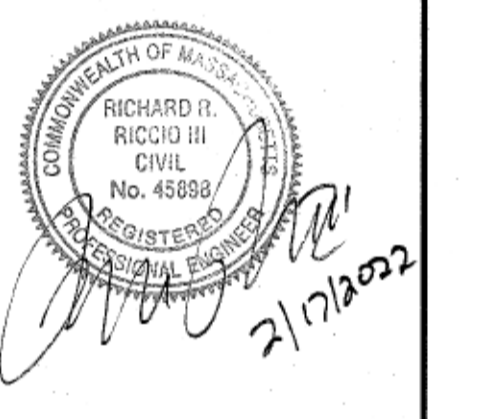
Date: 2/2/2022

Scale: 1"=40'

Drawn By: RMS
Designed By: JCC/RRR
Checked By: RRR

Issued For:

PERMITTING



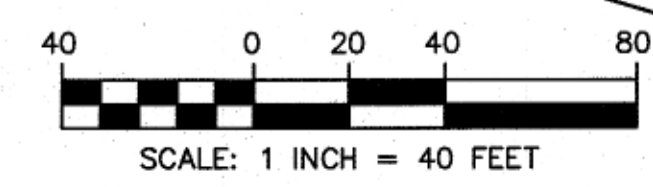
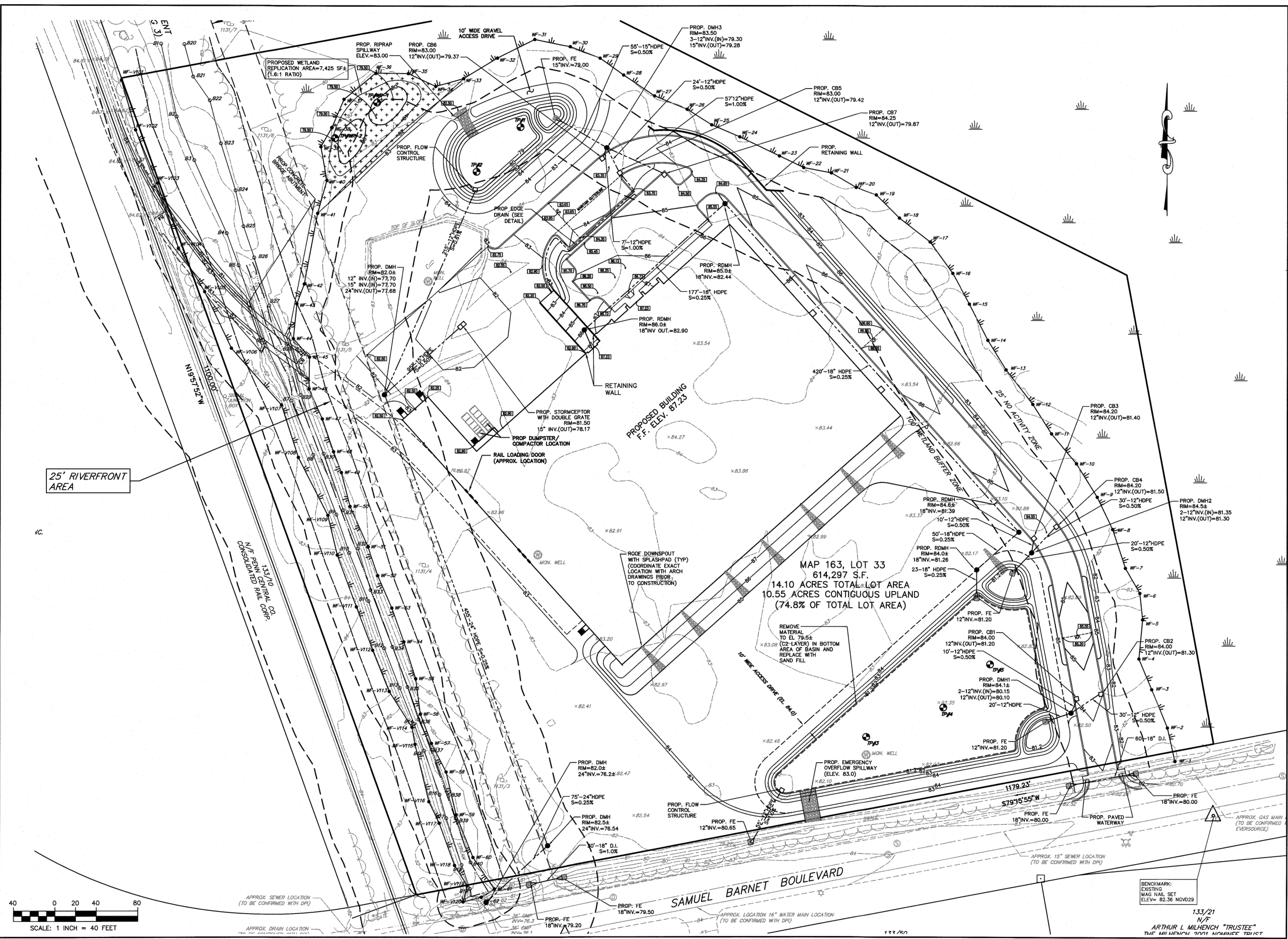
PROPOSED SITE DEVELOPMENT
D.F. PRAY

SAMUEL BARNET BOULEVARD
NEW BEDFORD, MASSACHUSETTS

Drawing Title:
SITE GRADING & DRAINAGE

Project No. 2380 Sheet 5 OF 12

SGD-1



I:\Projects\2380-2389\2380 - D.F. Pray\Drawings\2380 - SITE.dwg

133/21
N/F
ARTHUR L. MILHENCH "TRUSTEE"
THE MILHENCH "TRUSTEE" TRUST

No.	Description	Date	Appr.

Date: 2/2/2022

Scale: 1"=50'

Drawn By: RMS
Designed By: JCC/RRR
Checked By: RRR

Issued For:

PERMITTING



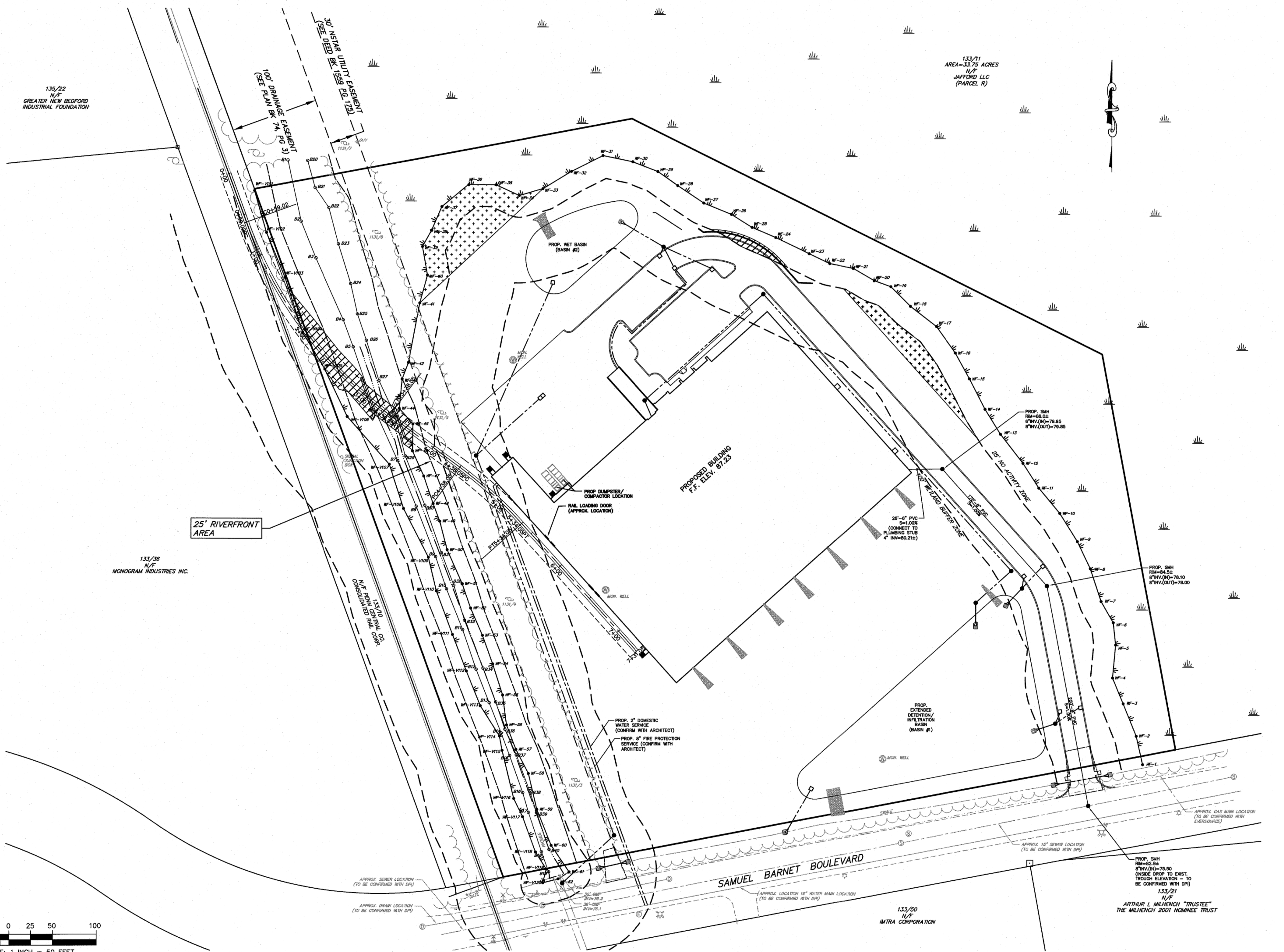
PROPOSED SITE DEVELOPMENT
D.F. PRAY

SAMUEL BARNET BOULEVARD
NEW BEDFORD, MASSACHUSETTS

Drawing Title:
SITE UTILITIES

Project No.: 2380
Sheet: 6 OF 12

SU-1



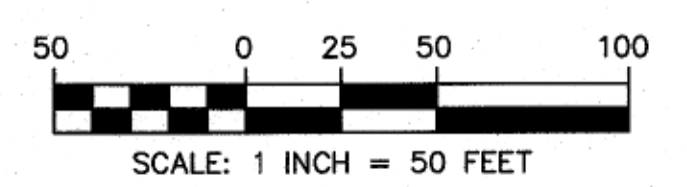
135/22
N/F
GREATER NEW BEDFORD
INDUSTRIAL FOUNDATION

133/11
AREA=33.75 ACRES
N/F
JAFFORD LLC
(PARCEL R)

133/36
N/F
MONOGRAM INDUSTRIES INC.

133/50
N/F
IMTRA CORPORATION

133/21
N/F
ARTHUR L. MILHENCH "TRUSTEE"
THE MILHENCH 2001 NOMINEE TRUST



P:\Project\2380-2389\2380_D.F. Pray\Drawings\2380_SITE.dwg

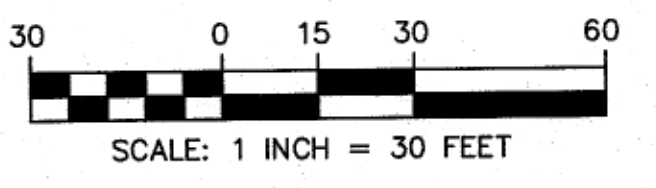
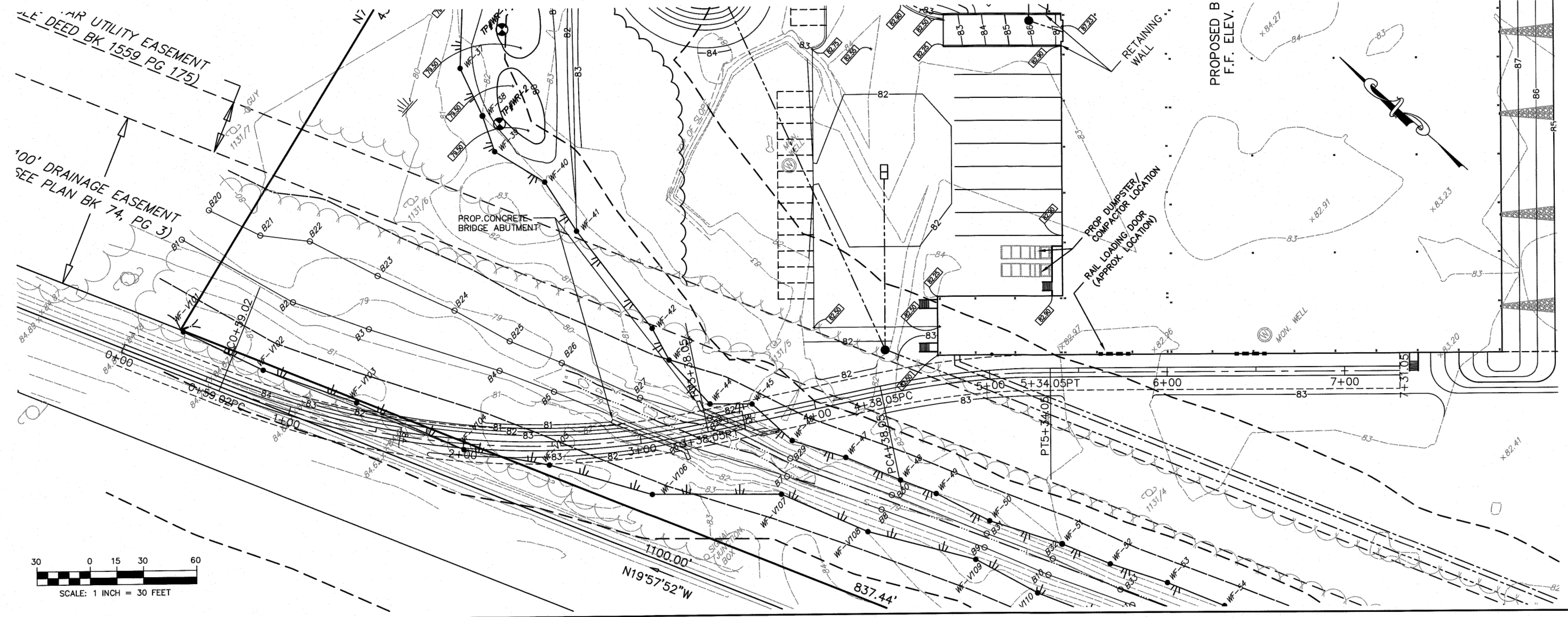
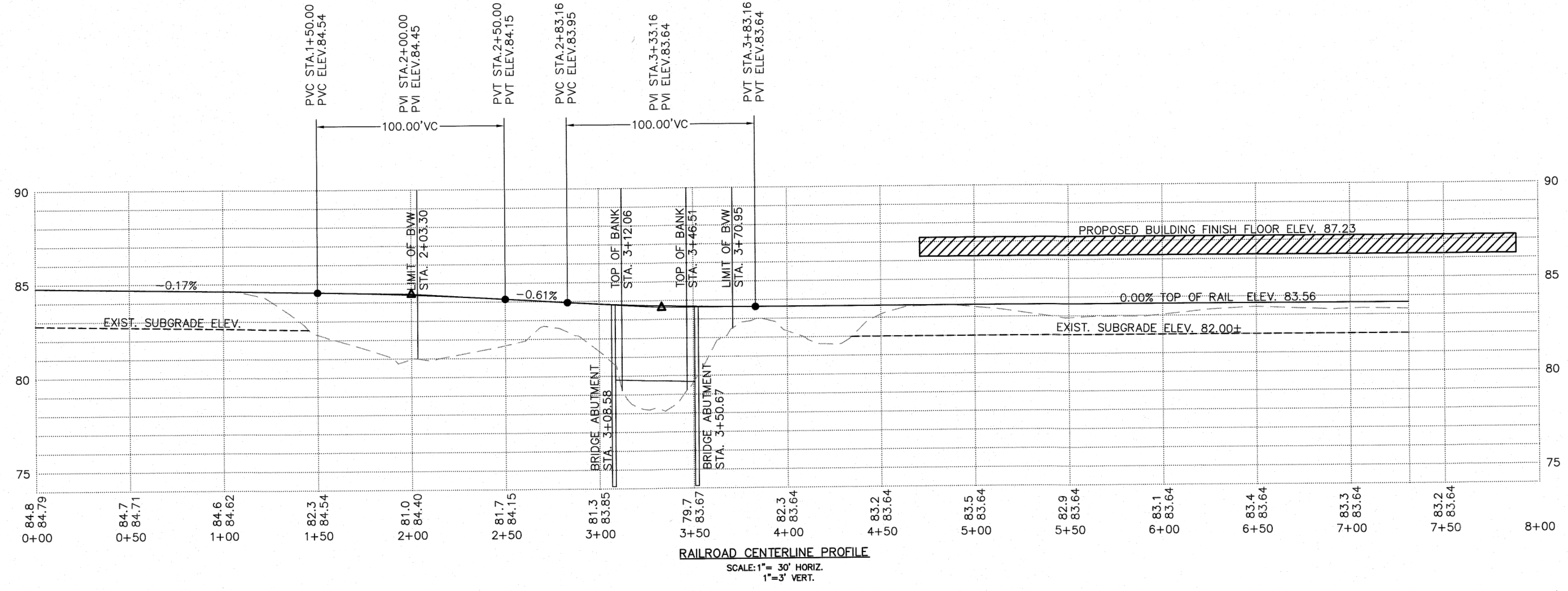
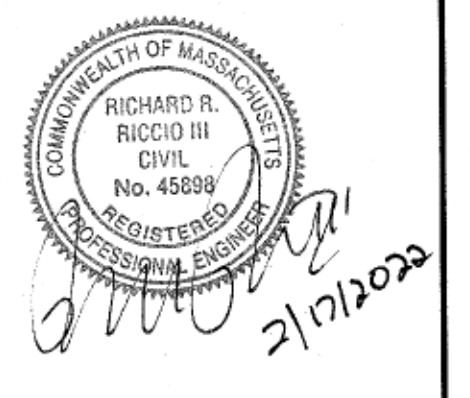
No.	Description	Date	Appr.

Date: 2/2/2022

Scale: 1"=30'H
1"=3'V

Drawn By: RMS
Designed By: JCC/RRR
Checked By: RRR

Issued For:
PERMITTING



PROPOSED SITE DEVELOPMENT
D.F. PRAY
SAMUEL BARNET BOULEVARD
NEW BEDFORD, MASSACHUSETTS

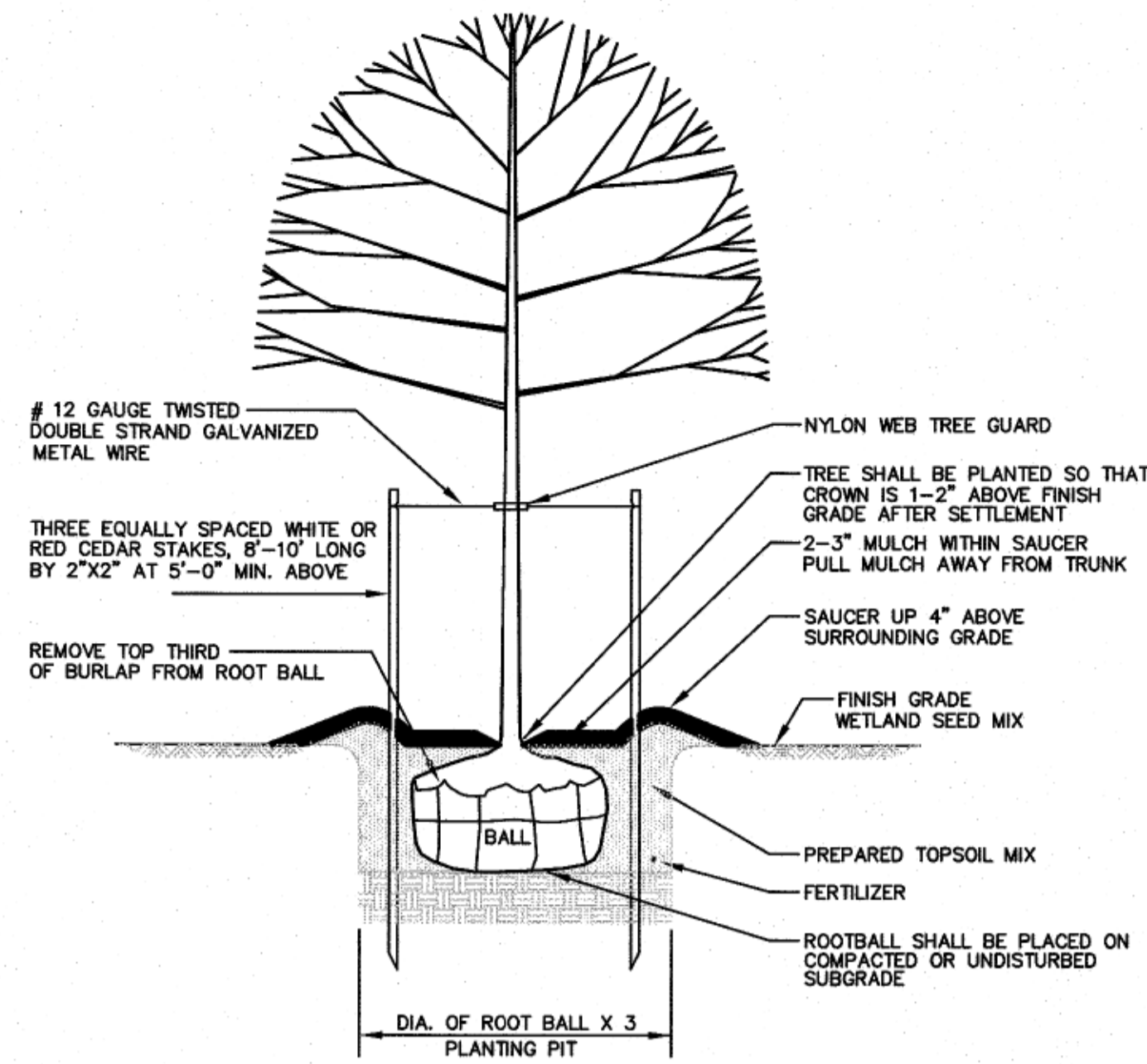
Drawing Title:
**RAILROAD SPUR
PLAN & PROFILE**

Project No: 2380
Sheet: 7 OF 12

PP-1

PLANTING NOTES

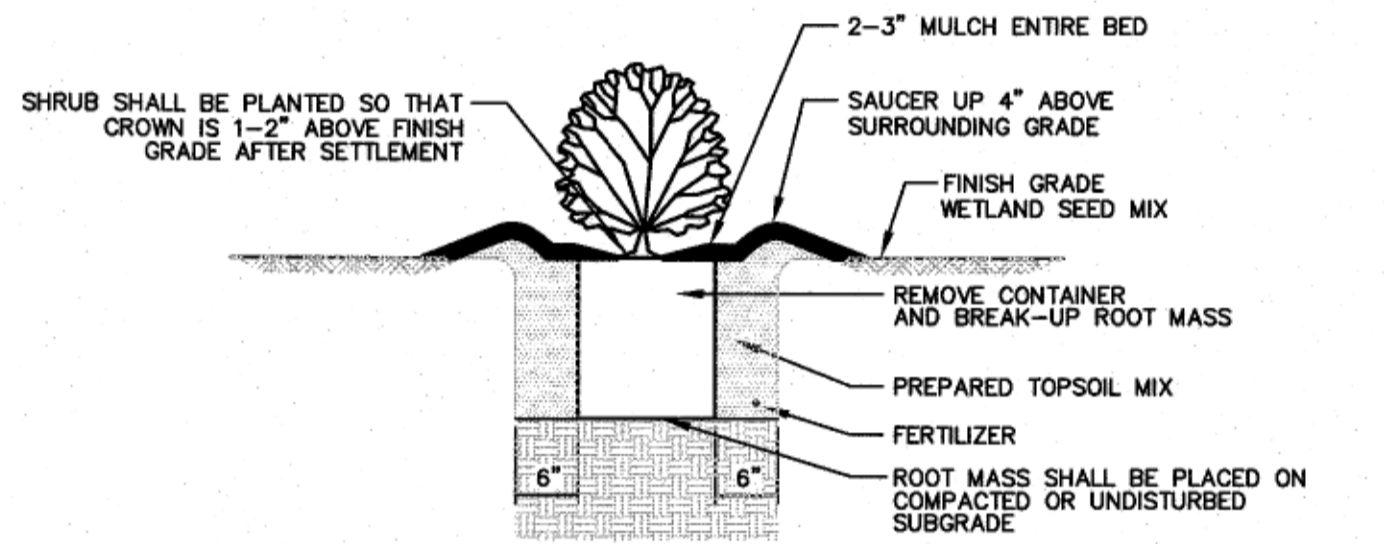
- PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED; INCLUDING ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, INCIDENTALS, AND CLEAN-UP.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT. LAYOUT TO BE APPROVED BY OWNERS REPRESENTATIVE AND THE CONSERVATION COMMISSION PRIOR TO INSTALLATION.
- PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY; HAVE NORMAL GROWTH HABITS; WELL DEVELOPED BRANCHES; DENSELY FOLIATED; VIGOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND INJURIES.
- CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL TO THE OWNER.
- ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. PROVISIONS SHALL BE MADE FOR A GROWTH GUARANTEE OF AT LEAST ONE YEAR FROM THE DATE OF ACCEPTANCE FOR TREES AND SHRUBS. REPLACEMENTS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
- INSOFAR AS IT IS PRACTICABLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY. ANY PLANTS NOT INSTALLED DURING THIS PERIOD WILL BE REJECTED.
- QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH ANSI Z60 (REV. 1990) "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
- ALL PLANTS SHALL BE PLANTED IN TRANSPORTED TOP SOIL THAT IS THOROUGHLY WATERED AND TAMPED AS BACK FILLING PROGRESSES. PLANTING MIX TO BE AS SHOWN ON PLANTING DETAILS. RAISE AND REPLANT ANY PLANT WHICH SETTLES MORE THAN 2" AFTER PLANTING AND WATERING.
- FERTILIZER FOR WOODY PLANTS SHALL BE SLOW RELEASE, PELLITIZED AND SUITABLE FOR RELEASE UNDER SATURATED SOIL CONDITIONS. FERTILIZER SHALL BE OSMOCOTE 18-5-11, 12-14 MONTH RELEASE OR EQUAL.
- PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE BALL ONLY.
- PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION. ALL PLANT MATERIAL SHALL BE SPRAYED WITH "WLT-PRUF" OR EQUAL AS PER MANUFACTURER'S INSTRUCTIONS.
- NO PLANT, EXCEPT GROUND COVERS, SHALL BE PLANTED LESS THAN TWO FEET FROM EXISTING STRUCTURES AND SIDEWALKS.
- SET ALL PLANTS PLUMB AND STRAIGHT. LOCATE PLANT IN THE CENTER OF THE PIT.
- ALL DEADWOOD, SUCKERS, AND BROKEN OR BADLY BRUISED BRANCHES SHALL BE REMOVED. CONTAINER GROWN PLANTS SHALL NOT BE THINNED.
- TREES SHALL BE SUPPORTED IMMEDIATELY AFTER PLANTING. TREES SHALL BE STAKED AS SHOWN ON THE DETAIL. THE LANDSCAPE CONTRACTOR SHALL REMOVE STAKING AND GUYING AT THE END OF THE ONE YEAR MAINTENANCE AND GUARANTEE PERIOD.
- NEW PLANTING AREAS SHALL BE ADEQUATELY IRRIGATED OR WATERED TO ESTABLISH THE PROPOSED PLANTS AND SEED AREAS.
- PRIOR TO THE ACCEPTANCE BY THE OWNER, THE PROPOSED LANDSCAPE AS SHOWN ON THE APPROVED PLAN MUST BE INSTALLED, INSPECTED AND APPROVED BY THE CONSERVATION COMMISSION AND THE OWNERS REPRESENTATIVE. ANY PLANTING INSTALLED IN CONFLICT WITH THESE REQUIREMENTS MUST RECEIVE THE WRITTEN APPROVAL OF THE ENGINEER AND THE CONSERVATION COMMISSION PRIOR TO PLANTING. FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL REQUIRE THE REMOVAL OF THE PLANTING IN QUESTION. THIS REQUIREMENT DOES NOT APPLY TO SEEDING OR SODDING OR PLANTINGS SPECIFICALLY FOR SOIL STABILIZATION.
- REPLICATION AREAS SHALL BE TREATED WITH TWELVE (12") INCHES OF HIGH ORGANIC TOPSOIL WITH EXISTING TOPSOIL PLANTED WITH NEW ENGLAND WETMIX SEED MIX, APPLIED AT A RATE OF 1.0 LBS. PER 2,500 S.F. AS MANUFACTURED BY NEW ENGLAND WETLAND PLANTS, INC. OR EQUAL. THE WETLAND SEEDS IN THE SPECIFIED MIX CAN BE SOWN BY HAND, WITH A HAND-HELD SPREADER, OR HYDRO-SEEDED. LIGHTLY RAKE TO INSURE GOOD SEED-TO-SOIL CONTACT. SEEDING CAN TAKE PLACE ON FROZEN SOIL AS THE FREEZING AND THAWING WEATHER OF LATE FALL AND LATE WINTER WILL WORK THE SEED INTO THE SOIL. IF SPRING CONDITIONS ARE DRIER THAN USUAL WATERING MAY BE REQUIRED. IF SOWING DURING THE SUMMER MONTHS SUPPLEMENTAL WATERING WILL LIKELY BE REQUIRED UNTIL GERMINATION. A LIGHT MULCH OF CLEAN, WEED FREE STRAW IS RECOMMENDED.
- THE CONSERVATION COMMISSION AGENT SHALL INSPECT AND APPROVE THE SUBGRADE EXCAVATION OF THE CONSTRUCTED WETLAND AREA PRIOR TO BACKFILLING WITH THE ORGANIC TOPSOIL FILL.
- THE CONSERVATION COMMISSION AGENT SHALL INSPECT AND APPROVE THE ORGANIC TOPSOIL FILL PRIOR TO PLACEMENT WITHIN THE CONSTRUCTED WETLAND.
- ANY PORTION OF THE REPLICATION WORK NOT MEETING THE APPROVED STANDARDS OR REQUIREMENTS OF THE CONSERVATION COMMISSION SHALL BE PROMPTLY REMOVED FROM THE WORK AT NO COST/EXPENSE TO THE OWNER.
- HIGH ORGANIC SOIL SHALL BE FREE OF REFUSE, BRUSH, THE MATERIAL TO BE FURNISHED SHALL CONSIST OF A SOIL FREE OF REFUSE, BRUSH, STUMPS, ROOTS, ROCK, COBBLES, STONES, NOXIOUS WEEDS, LITTER, AND OTHER MATERIALS WHICH ARE LARGER THAN 4-INCHES IN THE GREATEST DIMENSION AND WHICH WILL PREVENT THE FORMATION OF SUITABLE SEED BED. ORGANIC MATTER SHALL CONSTITUTE NOT LESS THAN 10-PERCENT NOR MORE THAN 25-PERCENT OF THE HIGH ORGANIC SOIL AS DETERMINED BY LOSS-ON-IGNITION OF OVEN DRIED SAMPLES THAT HAVE BEEN DRAWN BY THE OWNER REPRESENTATIVE, UNLESS OTHERWISE SPECIFIED OR DIRECTED.



- PREPARED TOPSOIL MIX SHALL CONSIST OF HIGH ORGANIC SOIL WITH NO LESS THAN 10% ORGANIC MATTER.
- ALL PLANTS SHALL BE FLOODED WITH WATER TWICE WITHIN THE FIRST TWENTY-FOUR HOUR PERIOD AFTER PLANTING.

TREE PLANTING DETAIL

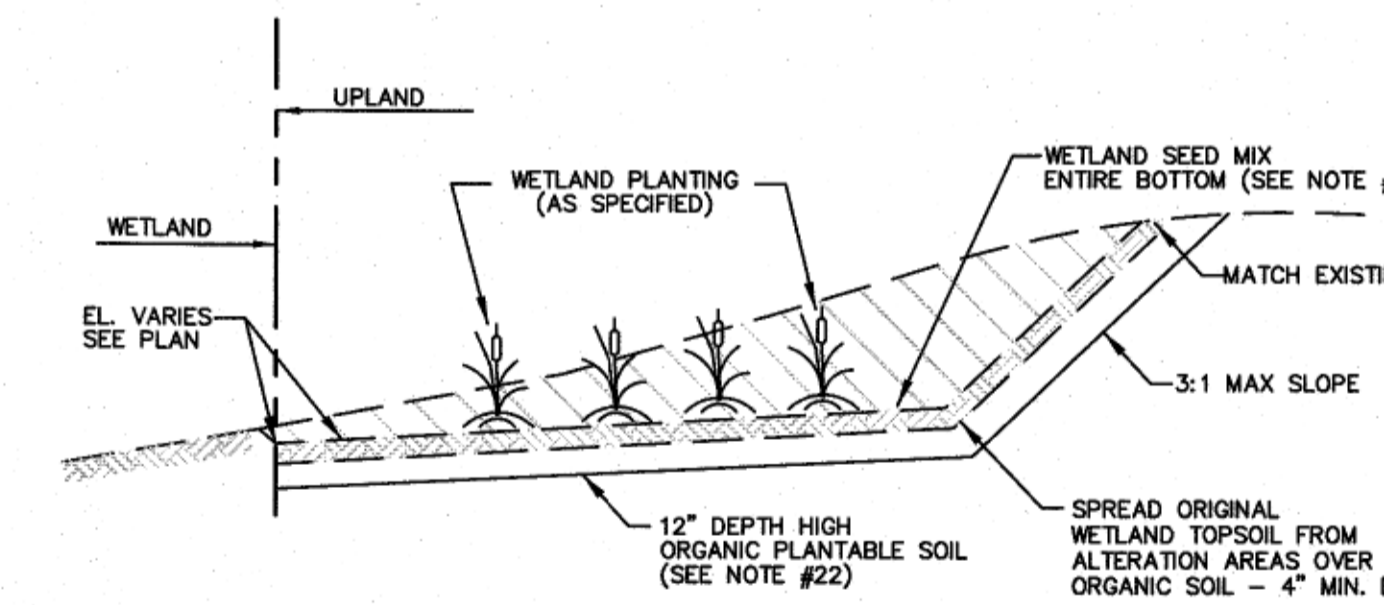
NOT TO SCALE



- PREPARED TOPSOIL MIX SHALL CONSIST OF HIGH ORGANIC SOIL WITH NO LESS THAN 10% ORGANIC MATTER.
- ALL PLANTS SHALL BE FLOODED WITH WATER TWICE WITHIN THE FIRST TWENTY-FOUR HOUR PERIOD AFTER PLANTING.

SHRUB PLANTING DETAIL

NOT TO SCALE



TYPICAL X-SECTION OF WETLAND REPLICATION AREA

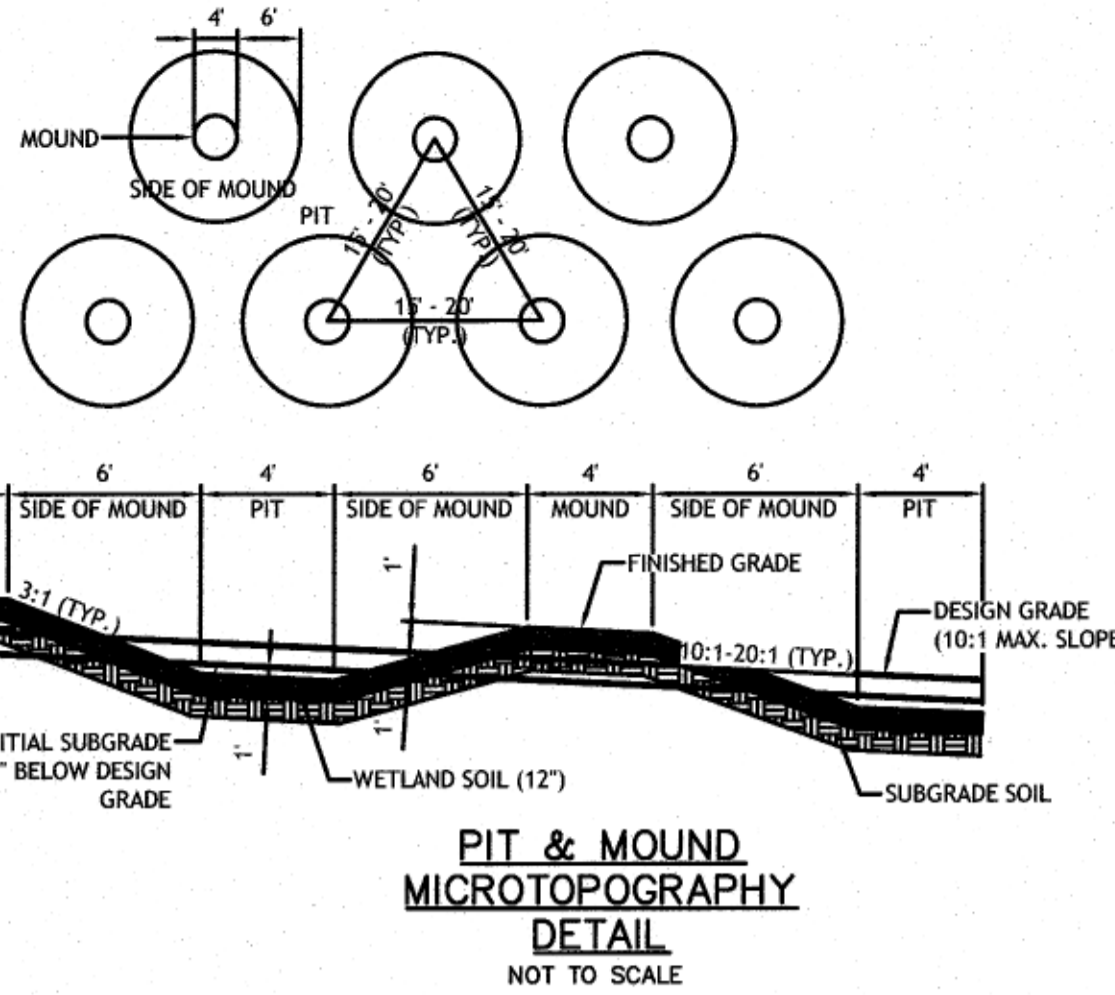
NOT TO SCALE

WETLAND REPLICATION AREA CONSTRUCTION NOTES

- THE REPLICATION AREA SHALL BE GRUBBED AND INITIALLY EXCAVATED TO A DEPTH APPROXIMATELY 12-INCHES BELOW THE FINAL DESIGN GRADE ELEVATIONS DEPICTED ON THESE DRAWINGS TO ALLOW FOR PLACEMENT OF WETLAND TOPSOIL AND CONSTRUCTION OF MICRO-TOPOGRAPHY. FOLLOWING INITIAL EXCAVATION, THE WETLAND SCIENTIST SHALL INSPECT THE AREA TO CONFIRM THAT PROPER HYDROLOGY WILL BE ESTABLISHED WITH THE ADJACENT WETLANDS. FOLLOWING APPROVAL FROM THE WETLAND SCIENTIST, MICRO-TOPOGRAPHY ("PITS AND MOUNDS") SHALL THEN BE ESTABLISHED WITHIN THE SUB-GRADE USING CONTINUOUS ROUGH GRADING. THE MICRO-TOPOGRAPHY WORK SHALL OCCUR UNDER THE DIRECT SUPERVISION OF THE WETLAND SCIENTIST. APPROXIMATELY 50 PERCENT OF THE SURFACE AREA OF THE REPLICATION SITE SHALL BE MOUNDS AND 50 PERCENT SHALL BE PITS. ROCKS AND BOULDERS UNCOVERED DURING THE EXCAVATION MAY BE LEFT IN PLACE UPON APPROVAL FROM THE WETLAND SCIENTIST PROVIDED THAT THEY DO NOT SIGNIFICANTLY DECREASE THE PLANTABLE AREA OF THE MITIGATION AREA. THESE ROCKS AND BOULDERS, SHALL BE PLACED IN SUCH A WAY AS TO PROVIDE CREVICES AND CAVITIES SUITABLE FOR USE BY WILDLIFE.
- AFTER THE PROPOSED SUBGRADES AND MICROTOPOGRAPHY HAS BEEN VERIFIED BY PROJECT SURVEYORS AND THE WETLAND SCIENTIST, APPROXIMATELY 12 INCHES OF AN EVENLY MIXED ORGANIC/MINERAL SOIL SHALL BE PLACED WITHIN THE REPLICATION AREA BRINGING GRADES TO THE FINAL DESIRED ELEVATIONS. IF FEASIBLE, THE APPLICANT WILL TRANSLocate SUITABLE HYDROLIC SOILS FROM THE BVW IMPACT SITE TO THE REPLICATION SITE. SOIL AMENDMENTS FROM OFF-SITE SOURCES WILL BE NEEDED. ACCORDINGLY, APPROXIMATELY 12 INCHES OF AN EVENLY MIXED ORGANIC/MINERAL SOIL ("WETLAND SOIL") SHALL BE IMPORTED TO THE SITE FROM AN OFF-SITE SOURCE AND PLACED WITHIN THE REPLICATION AREA BRINGING GRADES TO THE FINAL DESIRED ELEVATIONS. SOIL CONSISTENCY SHALL BE LOOSE TO FRABLE AND TEXTURE SHOULD BE LOAM TO SANDY LOAM. THE ORGANIC MATERIAL USED FOR MIXING SHALL BE WELL OR PARTIALLY DECOMPOSED. CLEAN LEAF COMPOST IS THE PREFERRED SOIL AMENDMENT TO ACHIEVE THESE STANDARDS THOUGH OTHER MATERIALS MAY BE USED IF APPROVED BY THE WETLAND SCIENTIST. A MINIMUM ORGANIC CARBON CONTENT OF 12% (21 PERCENT ORGANIC MATTER) ON A DRY WEIGHT BASIS FOR SOILS SHALL BE USED IN THE WETLAND REPLICATION AREA.
- WETLAND TOP SOIL SHALL BE DEPOSITED IN THE REPLICATION AREA IN A MANNER THAT MINIMIZES TRAVEL AND SUBSEQUENT COMPACTION OF THE PIT AND MOUND SUBGRADE. SHOULD SOILS BE COMPACTED, THEY SHALL BE LOOSENEED BY A METHOD SUCH AS ROTOTILLING.
- FALLEN LOGS, BRANCHES, AND OTHER NATURAL DEBRIS EXISTING WITHIN THE PROPOSED BVW IMPACT AREA, OR OTHER UPLAND AREAS PROPOSED TO BE DISTURBED, SHALL BE RELOCATED TO THE REPLICATION AREA TO PROVIDE BENEFICIAL HABITAT FEATURES FOR WILDLIFE. THIS MATERIAL SHALL BE DISTRIBUTED TO COVER ROUGHLY 10 PERCENT OF THE REPLICATION AREA'S SUBSTRATE SURFACE. THIS MATERIAL SHALL BE OF VARYING STAGES OF DECAY AND SHALL BE RANDOMLY PLACED TO PROVIDE HABITAT FEATURES, AS DIRECTED BY THE WETLAND SCIENTIST. THESE MATERIALS SHALL NOT INCLUDE SPECIES IDENTIFIED ON THE U.S. ARMY CORPS OF ENGINEERS INVASIVE SPECIES LIST. FRESHLY CUT LOGS SHALL NOT BE THE PRIMARY SOURCE FOR THIS FEATURE, BUT MAY BE USED IF APPROVED BY THE SUPERVISING WETLAND SCIENTIST. FALLEN LOGS SHALL BE VARYING SIZES AND IN VARYING DEGREES OF DECOMPOSITION.

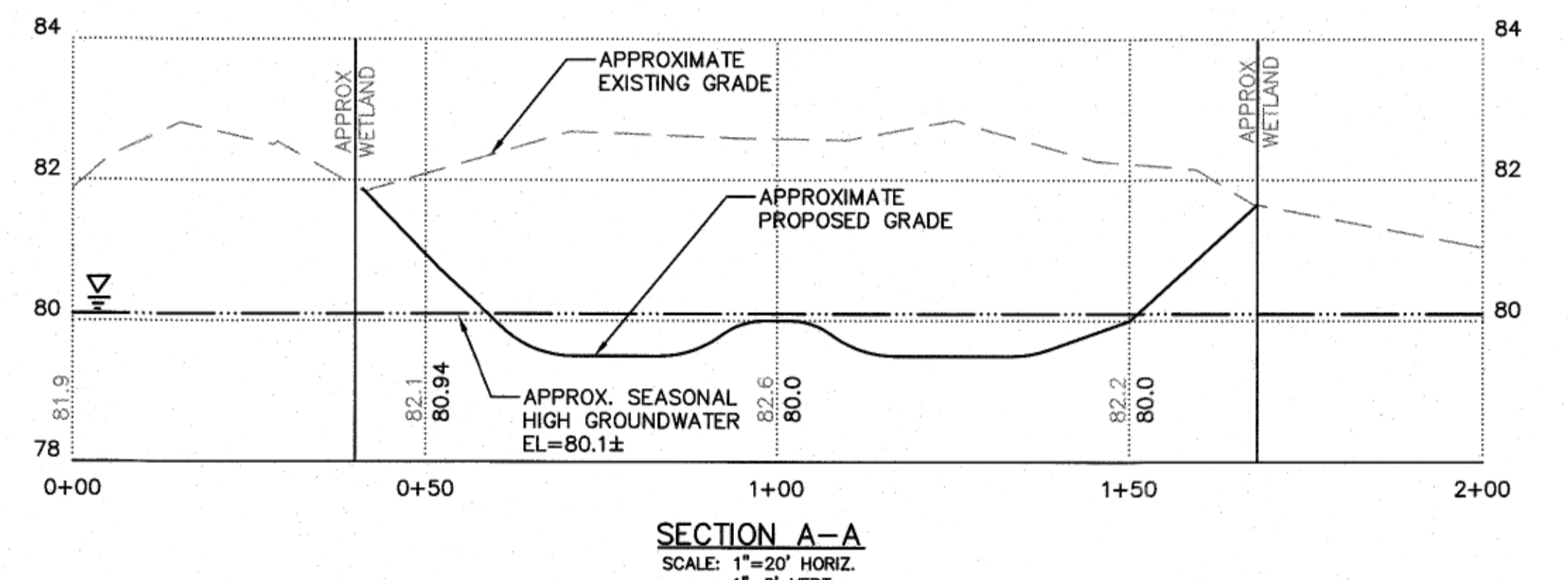
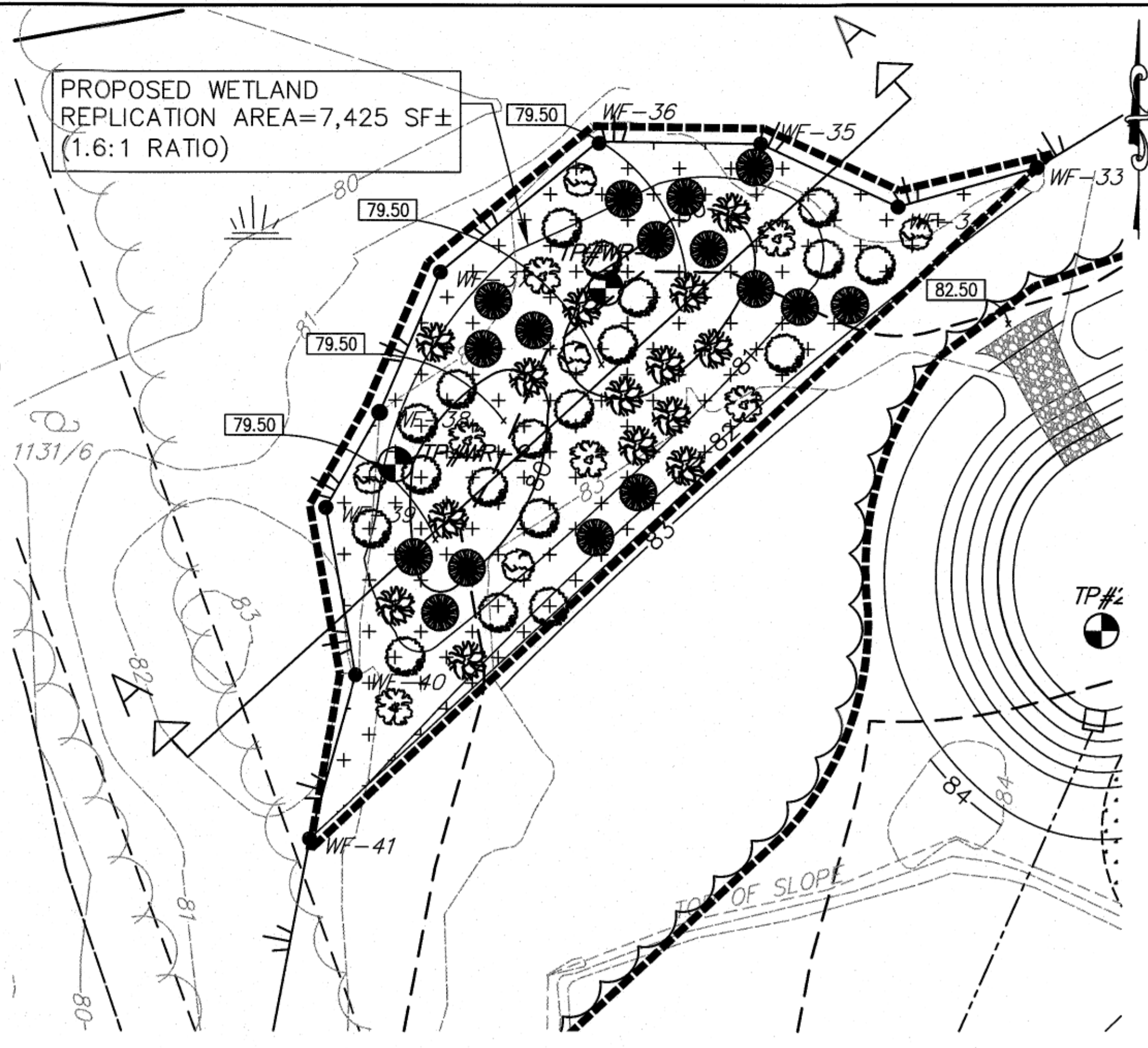
WETLAND REPLICATION AREA GENERAL NOTES

- APPROXIMATELY 7,425 SQUARE FEET OF WETLAND REPLICATION IS PROPOSED ON THESE DRAWINGS TO MITIGATE APPROXIMATELY 4,640 SQUARE FEET OF WETLAND ALTERATION ASSOCIATED WITH THE CONSTRUCTION OF THE PROPOSED RAIL SPUR.
- THE BVW REPLICATION AREA HAS BEEN DESIGNED IN ACCORDANCE WITH 310 CMR 10.55(4)(B) AND THE MASS DEP MASSACHUSETTS INLAND WETLAND REPLICATION GUIDELINES.
- A QUALIFIED WETLAND SCIENTIST WILL SUPERVISE ALL WORK AND WILL INSPECT AND APPROVE ALL IMPORTED PLANTED MATERIALS. WITHIN 30 DAYS FOLLOWING CONSTRUCTION OF THE WETLAND REPLICATION AREA, THE WETLAND SCIENTIST WILL CERTIFY THAT THE AREA HAS BEEN CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THE FINAL ORDER OF CONDITIONS. THIS CERTIFICATION WILL BE ACCOMPANIED BY AN "AS-BUILT" PLAN PREPARED BY A REGISTERED PROFESSIONAL LAND SURVEYOR SHOWING THE LIMITS AND FINAL GRADING OF THE REPLICATION AREA.
- THE WETLAND REPLICATION AREA SHALL BE MONITORED ON AN ONGOING BASIS FOR A PERIOD OF TWO COMPLETE GROWING SEASONS. A QUALIFIED WETLAND SCIENTIST. WRITTEN REPORTS SHALL BE SUBMITTED TWICE PER YEAR TO THE NEW BEDFORD CONSERVATION COMMISSION IN JUNE AND OCTOBER.
- AS REQUIRED BY THE WETLANDS PROTECTION ACT REGULATIONS, AT LEAST 75% OF THE SURFACE OF THE REPLICATION AREA SHOULD BE ESTABLISHED WITH NATIVE PLANT SPECIES WITHIN TWO GROWING SEASONS.



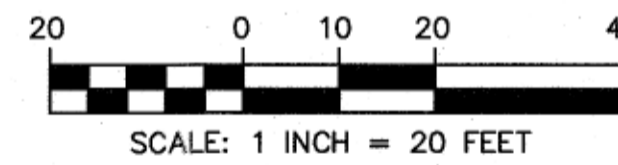
PIT & MOUND MICROTOPOGRAPHY DETAIL

NOT TO SCALE



PROPOSED PLANT LIST - WETLAND REPLICATION AREA

QU.	KEY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	COMMENTS
New England Wetmix - 1.0 lb/2,500 s.f.						
-	-	Carex lurida	Lurid Sedge	-	-	SEED MIX
-	-	Carex scoparia	Blunt Broom Sedge	-	-	SEED MIX
-	-	Verbena hastata	Blue Vervain	-	-	SEED MIX
-	-	Carex lupulina	Hop Sedge	-	-	SEED MIX
-	-	Scirpus atrovirens	Green Bulrush	-	-	SEED MIX
-	-	Panicum rigidulum	Redtop Panic Grass	-	-	SEED MIX
-	-	Deschampsia cespitosa	Tufted Hairgrass	-	-	SEED MIX
-	-	Bidens aristosa	Tickseed Sunflower/Bur Marigold	-	-	SEED MIX
-	-	Eleocharis palustris	Creeping Spike Rush	-	-	SEED MIX
-	-	Juncus effusus	Soft Rush	-	-	SEED MIX
-	-	Carex crinita	Fringed Sedge	-	-	SEED MIX
-	-	Mimulus ringens	Square Stemmed Monkey Flower	-	-	SEED MIX
-	-	Aster puniceus	Swamp Aster	-	-	SEED MIX
-	-	Eupatorium perfoliatum	Boneset	-	-	SEED MIX
-	-	Glyceria canadensis	Rattlesnake Grass	-	-	SEED MIX
-	-	Asclepias incarnata	Swamp Milkweed	-	-	SEED MIX
-	-	Helenium autumnale	Common Sneezeweed	-	-	SEED MIX
-	-	Penthorum sedoides	Ditch Stonecrop	-	-	SEED MIX
5	QB	Quercus bicolor	Swamp White Oak	2-2.5" Cal.	AS SHOWN	B&B
6	AR	Acer rubrum	Red Maple	2-2.5" Cal.	AS SHOWN	B&B
14	VC	Vaccinium corymbosum	Highbush Blueberry	18"-24"	10-12' O.C.	CONTAINER
19	CA	Clethra alnifolia	Sweet Pepperbush	18"-24"	10-12' O.C.	CONTAINER
16	IV	Ilex verticillata	Common Winterberry	18"-24"	10-12' O.C.	CONTAINER



PLANT LIST LEGEND

- HIGHBUSH BLUEBERRY
- SWEET PEPPERBUSH
- COMMON WINTERBERRY
- SWAMP WHITE OAK
- RED MAPLE
- NEW ENGLAND WETMIX

FIELD ENGINEERING CO., INC.
CONSULTING ENGINEERS
11D INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPAN, MA 02739
TEL: (508) 756-2749
FAX: (508) 756-2849

Revisions

No.	Description	Date	Appr.

No. Description Date Appr.
Date 2/2/2022
Scale AS NOTED
Drawn By JCC/RRR
Designed By JCC/RRR
Checked By RRR
Issued For PERMITTING

RICHARD R. RICCIO III
CIVIL ENGINEER
No. 45958
Professional Seal
2/17/2022

PROPOSED SITE DEVELOPMENT
D.F. PRAY
SAMUEL BARNET BOULEVARD
NEW BEDFORD, MASSACHUSETTS
Drawing Title WETLAND REPLICATION
Project No. 2380 Sheet 8 OF 12
REP-1

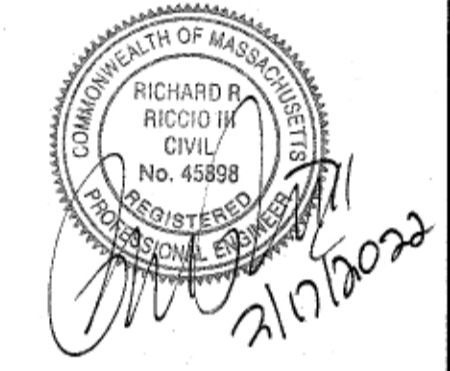
No.	Description	Date	Appr.

Date: 2/2/2022

Scale: 1"=40'

Drawn By	Designed By	Checked By
RMS	JCC/RRR	RRR

Issued For:
PERMITTING

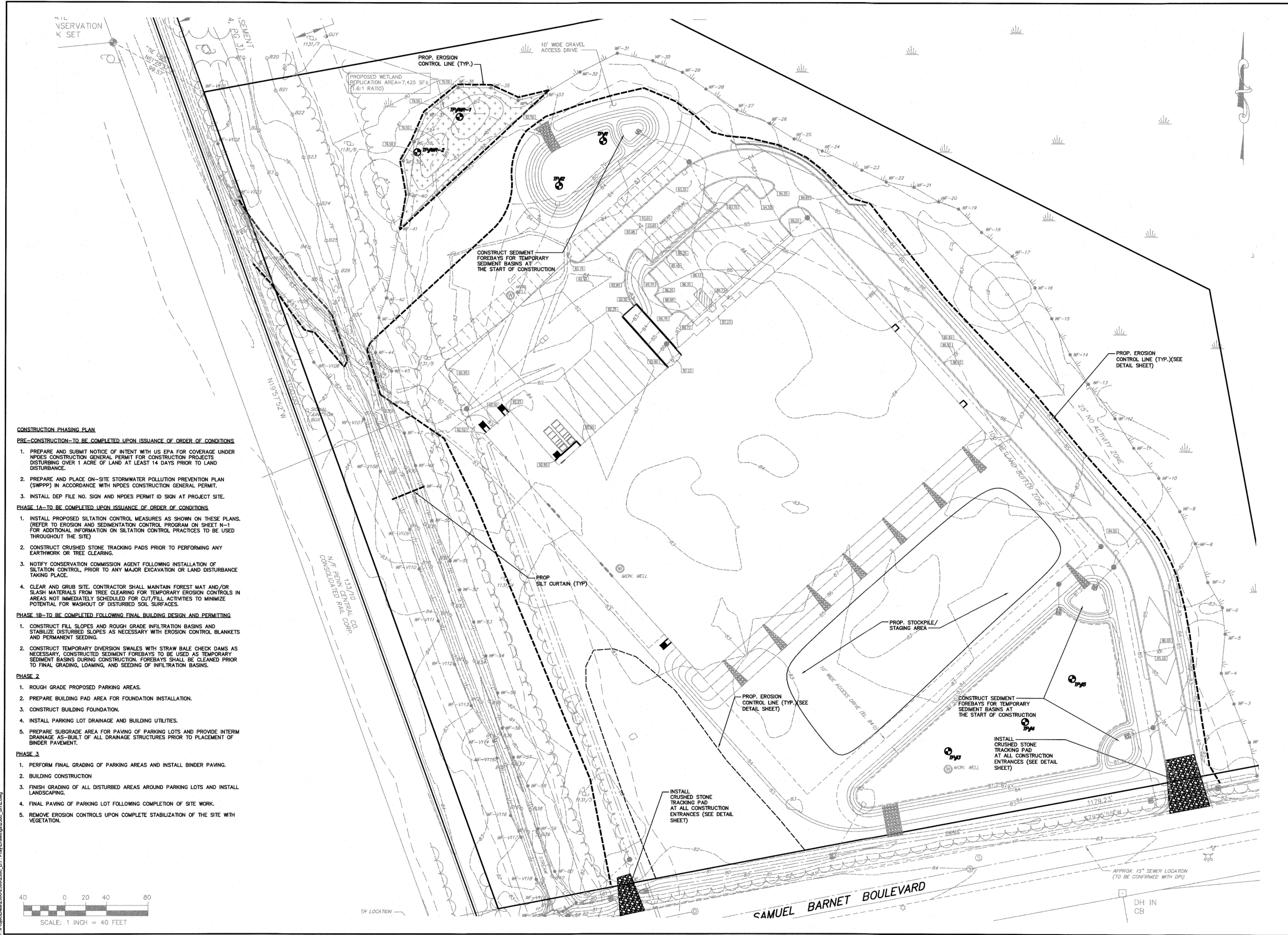


PROPOSED SITE DEVELOPMENT
D.F. PRAY
 SAMUEL BARNET BOULEVARD
 NEW BEDFORD, MASSACHUSETTS

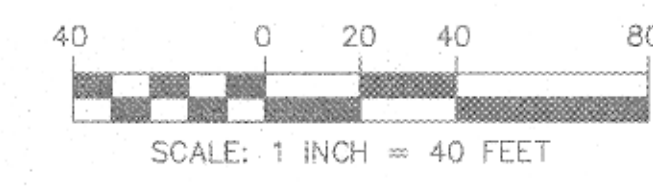
Drawing Title:
EROSION CONTROL

Project No. 2380 Sheet 9 OF 12

EROS-1



- CONSTRUCTION PHASING PLAN**
- PRE-CONSTRUCTION-TO BE COMPLETED UPON ISSUANCE OF ORDER OF CONDITIONS**
1. PREPARE AND SUBMIT NOTICE OF INTENT WITH US EPA FOR COVERAGE UNDER NPDES CONSTRUCTION GENERAL PERMIT FOR CONSTRUCTION PROJECTS DISTURBING OVER 1 ACRE OF LAND AT LEAST 14 DAYS PRIOR TO LAND DISTURBANCE.
 2. PREPARE AND PLACE ON-SITE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH NPDES CONSTRUCTION GENERAL PERMIT.
 3. INSTALL DEP FILE NO. SIGN AND NPDES PERMIT ID SIGN AT PROJECT SITE.
- PHASE 1A-TO BE COMPLETED UPON ISSUANCE OF ORDER OF CONDITIONS**
1. INSTALL PROPOSED SILTATION CONTROL MEASURES AS SHOWN ON THESE PLANS. (REFER TO EROSION AND SEDIMENTATION CONTROL PROGRAM ON SHEET N-1 FOR ADDITIONAL INFORMATION ON SILTATION CONTROL PRACTICES TO BE USED THROUGHOUT THE SITE)
 2. CONSTRUCT CRUSHED STONE TRACKING PADS PRIOR TO PERFORMING ANY EARTHWORK OR TREE CLEARING.
 3. NOTIFY CONSERVATION COMMISSION AGENT FOLLOWING INSTALLATION OF SILTATION CONTROL, PRIOR TO ANY MAJOR EXCAVATION OR LAND DISTURBANCE TAKING PLACE.
 4. CLEAR AND GRUB SITE. CONTRACTOR SHALL MAINTAIN FOREST MAT AND/OR SLASH MATERIALS FROM TREE CLEARING FOR TEMPORARY EROSION CONTROLS IN AREAS NOT IMMEDIATELY SCHEDULED FOR CUT/FILL ACTIVITIES TO MINIMIZE POTENTIAL FOR WASHOUT OF DISTURBED SOIL SURFACES.
- PHASE 1B-TO BE COMPLETED FOLLOWING FINAL BUILDING DESIGN AND PERMITTING**
1. CONSTRUCT FILL SLOPES AND ROUGH GRADE INFILTRATION BASINS AND STABILIZE DISTURBED SLOPES AS NECESSARY WITH EROSION CONTROL BLANKETS AND PERMANENT SEEDING.
 2. CONSTRUCT TEMPORARY DIVERSION SWALES WITH STRAW BALE CHECK DAMS AS NECESSARY. CONSTRUCTED SEDIMENT FOREBAYS TO BE USED AS TEMPORARY SEDIMENT BASINS DURING CONSTRUCTION. FOREBAYS SHALL BE CLEANED PRIOR TO FINAL GRADING, LOAMING, AND SEEDING OF INFILTRATION BASINS.
- PHASE 2**
1. ROUGH GRADE PROPOSED PARKING AREAS.
 2. PREPARE BUILDING PAD AREA FOR FOUNDATION INSTALLATION.
 3. CONSTRUCT BUILDING FOUNDATION.
 4. INSTALL PARKING LOT DRAINAGE AND BUILDING UTILITIES.
 5. PREPARE SUBGRADE AREA FOR PAVING OF PARKING LOTS AND PROVIDE INTERIM DRAINAGE AS-BUILT OF ALL DRAINAGE STRUCTURES PRIOR TO PLACEMENT OF BINDER PAVEMENT.
- PHASE 3**
1. PERFORM FINAL GRADING OF PARKING AREAS AND INSTALL BINDER PAVING.
 2. BUILDING CONSTRUCTION
 3. FINISH GRADING OF ALL DISTURBED AREAS AROUND PARKING LOTS AND INSTALL LANDSCAPING.
 4. FINAL PAVING OF PARKING LOT FOLLOWING COMPLETION OF SITE WORK.
 5. REMOVE EROSION CONTROLS UPON COMPLETE STABILIZATION OF THE SITE WITH VEGETATION.



F:\Projects\2380-2389\2380_D.F. Pray\Drawings\2380_SITES.dwg
 2/10/2022

KEY	DESCRIPTION	SIZE	QTY.
AR	RED SUNSET MAPLE	3"-3 1/2" CALIPER	17
QB	SWAMP BIRCH	3"-3 1/2" CALIPER	2
SJ'LP	DWARF DEEP PINK SPIREA	18"-24"	7
JC'S	BLUE SARGENT JUNIPER	18"-24"	8
H'HR	CONTINUOUS BLOOM DAYLILY	1 qt.	24

GENERAL NOTES
 CONTRACTOR SHALL REVIEW ANY CHANGES IN SPECIES WITH THE OWNER AND PROJECT ENGINEER PRIOR TO INSTALLATION.
 REFER TO SHEET REP-1 FOR INFORMATION ON WETLAND REPLICATION AREA PLANTINGS.

PROP. WET BASIN SIDE SLOPES TO BE PLANTED WITH NEW ENGLAND WETLAND CONSERVATION/WILDLIFE MIX AS SUPPLIED BY NEW ENGLAND WETLAND PLANTS INC. (OR APPROVED EQUAL)

PROPOSED DECORATIVE LANDSCAPE LIGHTING TO BE PROVIDED WITHIN LANDSCAPE AREAS

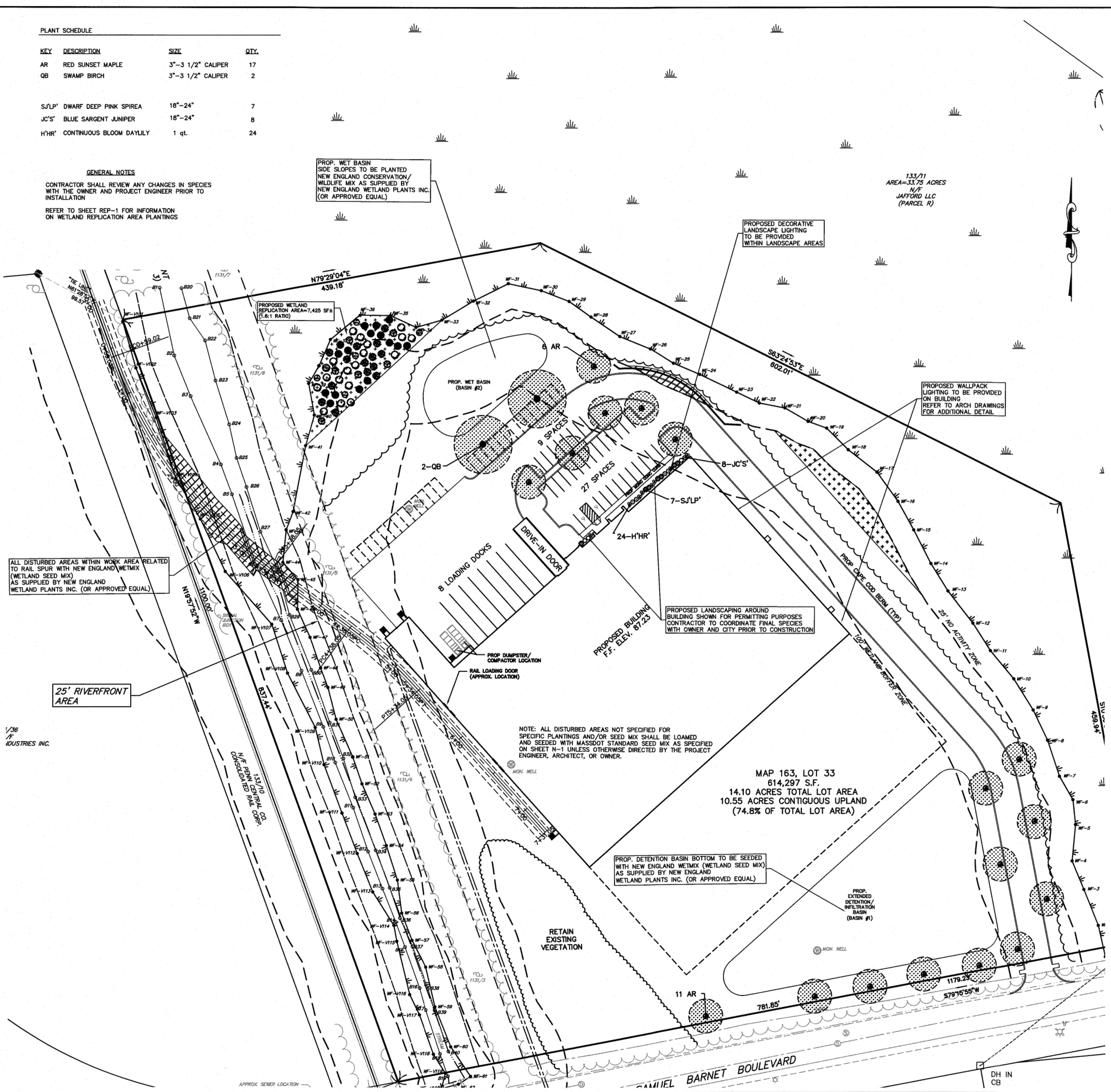
PROPOSED WALLPACK LIGHTING TO BE PROVIDED ON BUILDING REFER TO ARCH DRAWINGS FOR ADDITIONAL DETAIL

PROPOSED LANDSCAPING AROUND BUILDING SHOWN FOR PERMITTING PURPOSES CONTRACTOR TO COORDINATE FINAL SPECIES WITH OWNER AND CITY PRIOR TO CONSTRUCTION

NOTE: ALL DISTURBED AREAS NOT SPECIFIED FOR SPECIFIC PLANTINGS AND/OR SEED MIX SHALL BE LOAMED AND SEEDED WITH MASSDOT STANDARD SEED MIX AS SPECIFIED ON SHEET N-1 UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER, ARCHITECT, OR OWNER.

PROP. DETENTION BASIN BOTTOM TO BE SEEDED WITH NEW ENGLAND WETMIX (WETLAND SEED MIX) AS SUPPLIED BY NEW ENGLAND WETLAND PLANTS INC. (OR APPROVED EQUAL)

ALL DISTURBED AREAS WITHIN WORK AREA RELATED TO RAIL SPUR WITH NEW ENGLAND WETMIX (WETLAND SEED MIX) AS SUPPLIED BY NEW ENGLAND WETLAND PLANTS INC. (OR APPROVED EQUAL)



Cree Edge™ Series
 LED Security Wallpack Luminaires

Product Description
 The Cree Edge™ wall-mount luminaire has a slim, low profile design. The luminaire and cap are made from rugged die-cast aluminum with integral, weatherproof LED driver compartments and high performance aluminum heat sink specifically designed for LED applications. Housing is rugged aluminum. Includes a lightweight mounting box for installation over standard and non-standard single gang J-boxes. Mounts to wall with four 9/16" diameter screws (not shown). Conceal entry from top, bottom, sides and rear. Allow mounting for slight over coverage. Designed and approved for easy through-roofing. Includes transformer guard.

Performance Summary
 Patented Monochrome™ LED Technology
 Made in the U.S.A. of U.S. and imported parts
 Cree MicroLED™ LED
 CCT: 4000K (+/- 200K), 5700K (+/- 500K) standard
 Limited Warranty: 5 years (50,000 hrs) on Cree MicroLED™ LED (5 years on Cree MicroLED™ LED Driver)

Accessories
 Field Installed Transformer
 End Cap
 Transformer
 End Cap

LED Count (1/15)	Dim. A"	Weight
22	8.47 (216mm)	28.66 (1.1kg)
24	1.07 (27.14mm)	27.96 (1.0kg)
26	1.37 (34.80mm)	28.66 (1.1kg)
28	1.67 (42.43mm)	27.96 (1.0kg)
30	1.97 (50.07mm)	28.66 (1.1kg)
32	2.27 (57.71mm)	27.96 (1.0kg)

Ordering Information
 Cree Edge™ LED Security Wallpack Luminaires
 Cree Edge™ LED Security Wallpack Luminaires
 Cree Edge™ LED Security Wallpack Luminaires
 Cree Edge™ LED Security Wallpack Luminaires

TYPICAL WALLPACK LIGHTING DETAIL
 NOTE:
 1. SPECIFICATION FOR WALLPACKS SHOWN ON THIS DRAWING ARE FOR PERMITTING PURPOSES. ANY ALTERNATIVE WALLPACK MANUFACTURERS OR DESIGNS SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR REVIEW.
 2. A COMPLETE LIGHTING AND PHOTOMETRIC PLAN SHALL BE PROVIDED TO THE CITY PRIOR TO CONSTRUCTION.

FIELD ENGINEERING CO., INC.
 CONSULTING ENGINEERS
 11D INDUSTRIAL DRIVE
 P.O. BOX 1178
 MATTAPOISETT, MA 02739
 TEL: (908) 758-2749
 FAX: (908) 758-2649

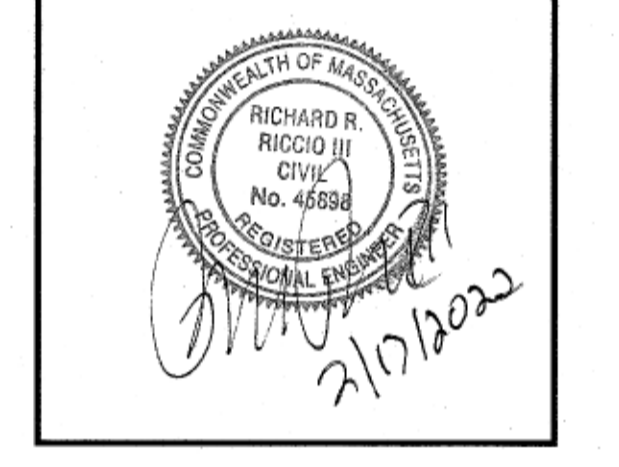
No.	Description	Date	Appr'd

Date: 2/2/2022

Scale: 1"=50'

Drawn By: RMS
 Designed By: JCC/RRR
 Checked By: RRR

Issued For: **PERMITTING**

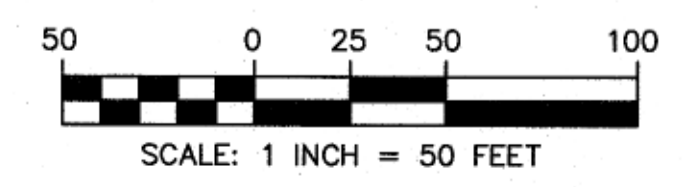


PROPOSED SITE DEVELOPMENT
 D.F. PRAY
 SAMUEL BARNET BOULEVARD
 NEW BEDFORD, MASSACHUSETTS

Drawing Title: **SITE LIGHTING & LANDSCAPING**

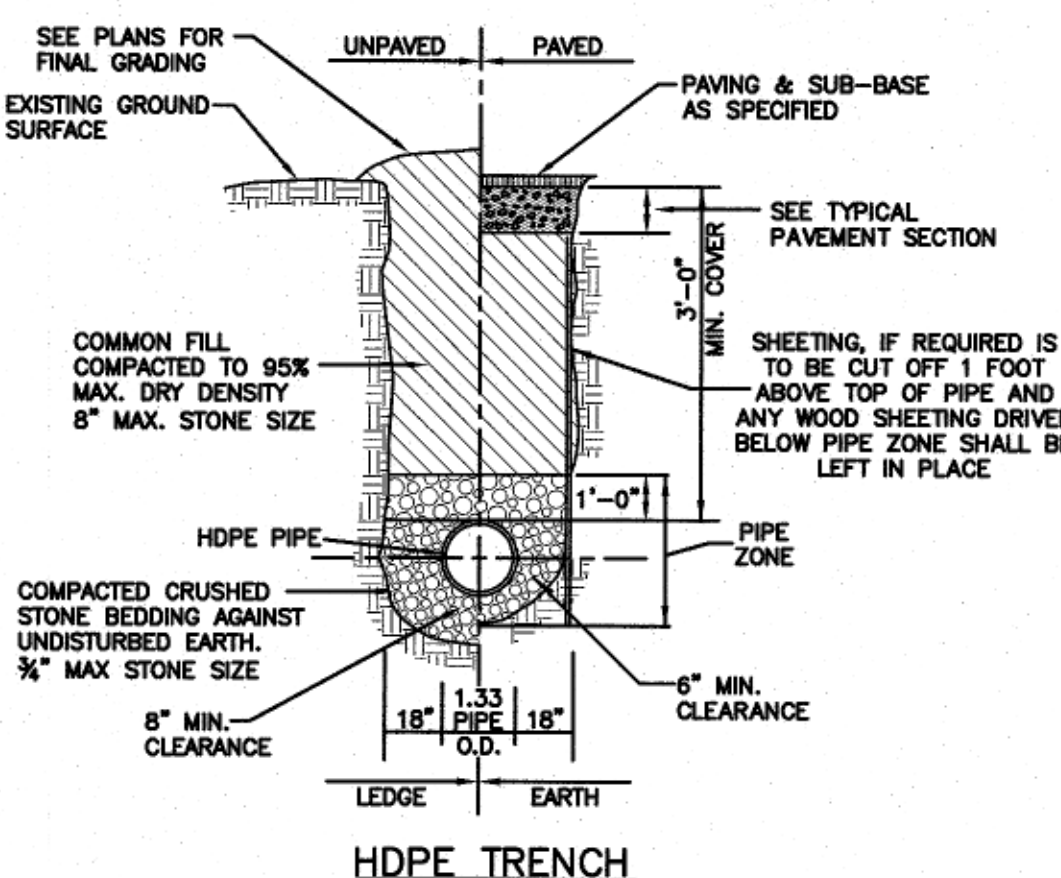
Project No. 2380 | Sheet 10 OF 12

LAND-1



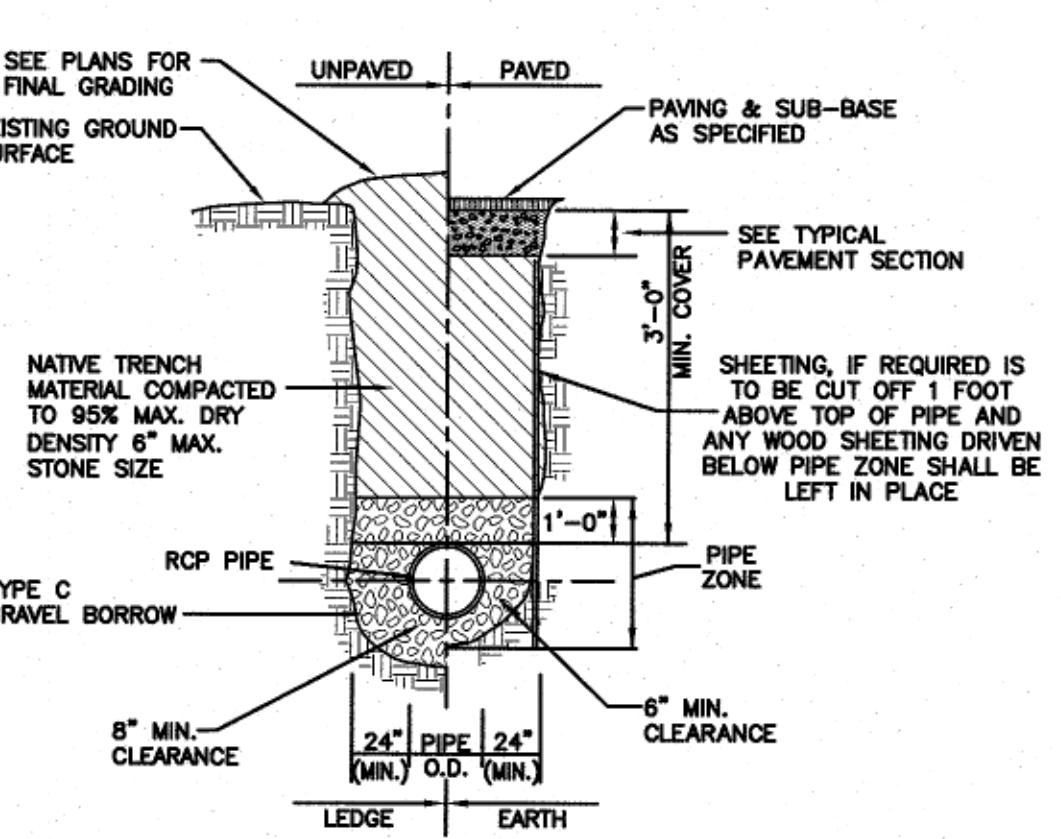
1/36
 INDUSTRIES INC.

P:\Projects\2380-2380-2380-D.F. Pray\Drawings\2380_SITL.dwg
 2/10/2022 10:24:38 AM



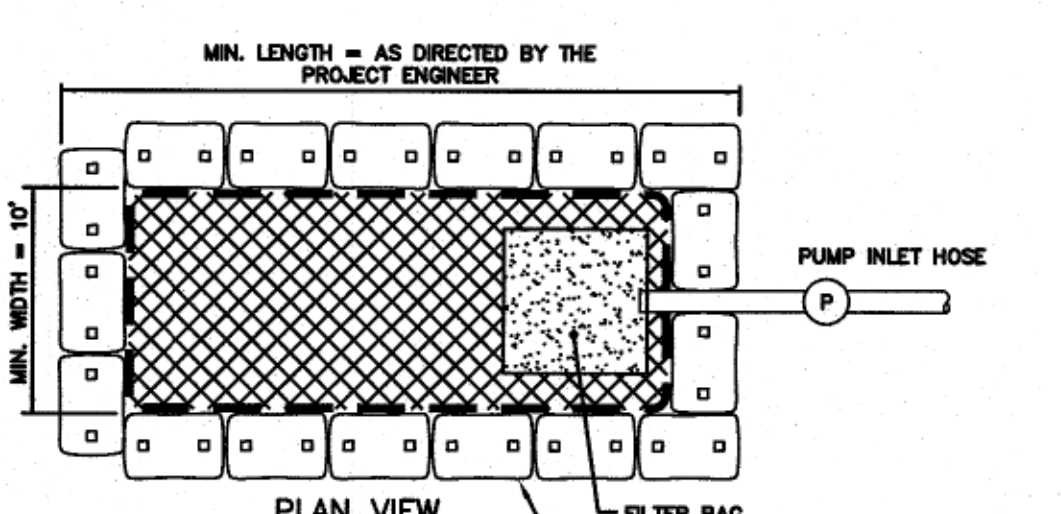
HDPE TRENCH DETAIL
NOT TO SCALE

- TYPE C GRAVEL BORROW SHALL CONFORM TO MASSDOT SPECIFICATION M1.03.0
- CRUSHED STONE SHALL CONFORM TO MASSDOT SPECIFICATION M12.01.4



DI/RCP TRENCH DETAIL/PAY LIMIT
NOT TO SCALE

- TYPE C GRAVEL BORROW SHALL CONFORM TO MASSDOT SPECIFICATION M1.03.0 2" MAX STONE SIZE
- TRENCH WIDTH SHALL BE AS REQUIRED TO PROVIDE ADEQUATE SHORING DURING CONSTRUCTION IN ACCORDANCE WITH ALL APPLICABLE TRENCHING AND SHORING REGULATIONS.

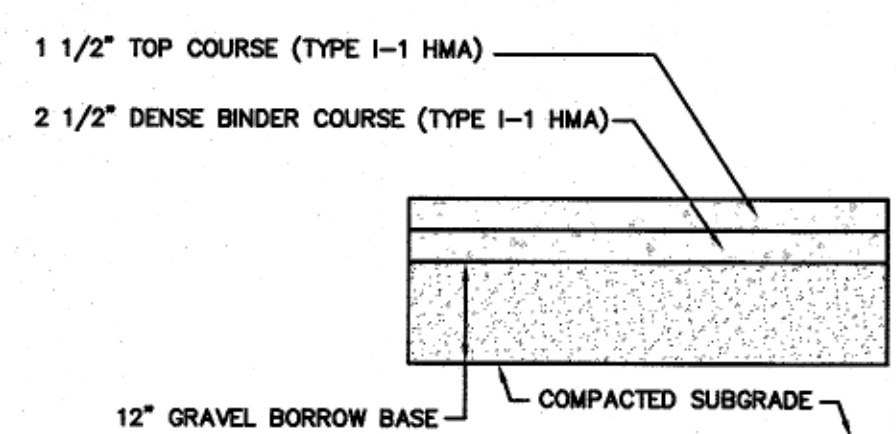


DEWATERING BASIN
NOT TO SCALE

- DEWATERING SPECIFICATIONS**
- DEWATERING BASINS SHALL BE CONSTRUCTED BEFORE ANY DEWATERING OPERATION COMMENCES. DISCHARGE FROM THE DEWATERING BASINS SHALL BE DIRECTED TO THE NEAREST WETLAND DISCHARGE AREA DOWNSTREAM OF THE PROPOSED WORK AREA.
 - HAY BALES/SILT DEWATERING BASINS SHALL BE CONSTRUCTED BEFORE DEWATERING BEGINS.
 - ALL SEDIMENT SHALL BE REMOVED AND FINISHED GRADES RESTORED UPON COMPLETION OF DEWATERING OPERATIONS.
 - THE LOCATION OF ANY DEWATERING BASIN SHALL BE REVIEWED WITH THE PROJECT ENGINEER AND CONSERVATION COMMISSION AGENT PRIOR TO THEIR IMPLEMENTATION.

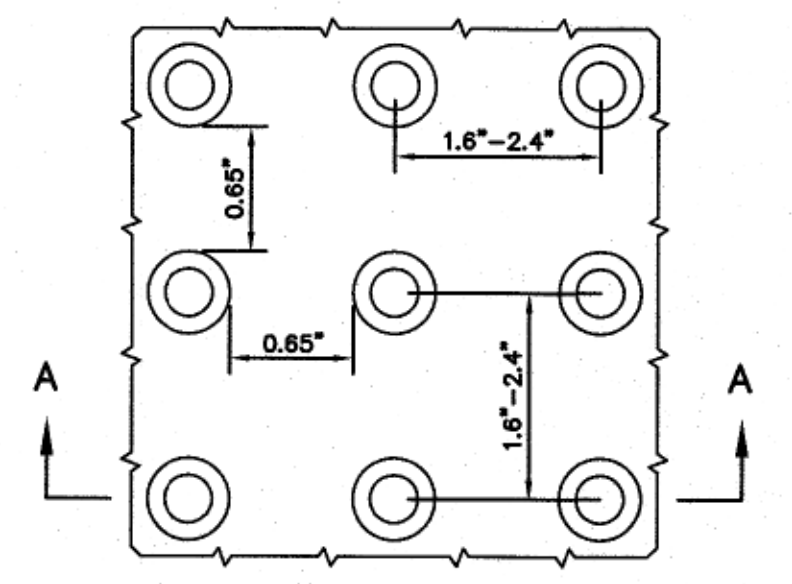
STREAM CROSSING DEWATERING NOTES:

- IT IS ANTICIPATED THAT TEMPORARY DEWATERING OF THE EXCAVATIONS FOR THE PROPOSED BRIDGE ADJUSTMENTS WILL BE REQUIRED. ALL DEWATERING OPERATIONS SHALL BE REVIEWED AND APPROVED BY THE CONSERVATION COMMISSION PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL PLACE TEMPORARY DAMS UPSTREAM OF THE PROPOSED STREAM CROSSING FOR TEMPORARY BYPASS OF THE STREAM FLOW FROM THE WORK AREA. THE CONTRACTOR SHALL REVIEW TEMPORARY BYPASS MEASURES WITH THE PROJECT ENGINEER AND CONSERVATION COMMISSION PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL PLACE A SILT CURTAIN IN THE STREAM DOWNSTREAM FROM THE PROPOSED WORK AREA TO MINIMIZE THE POTENTIAL FOR MIGRATION OF SILT FROM THE WORK AREA DOWNSTREAM.



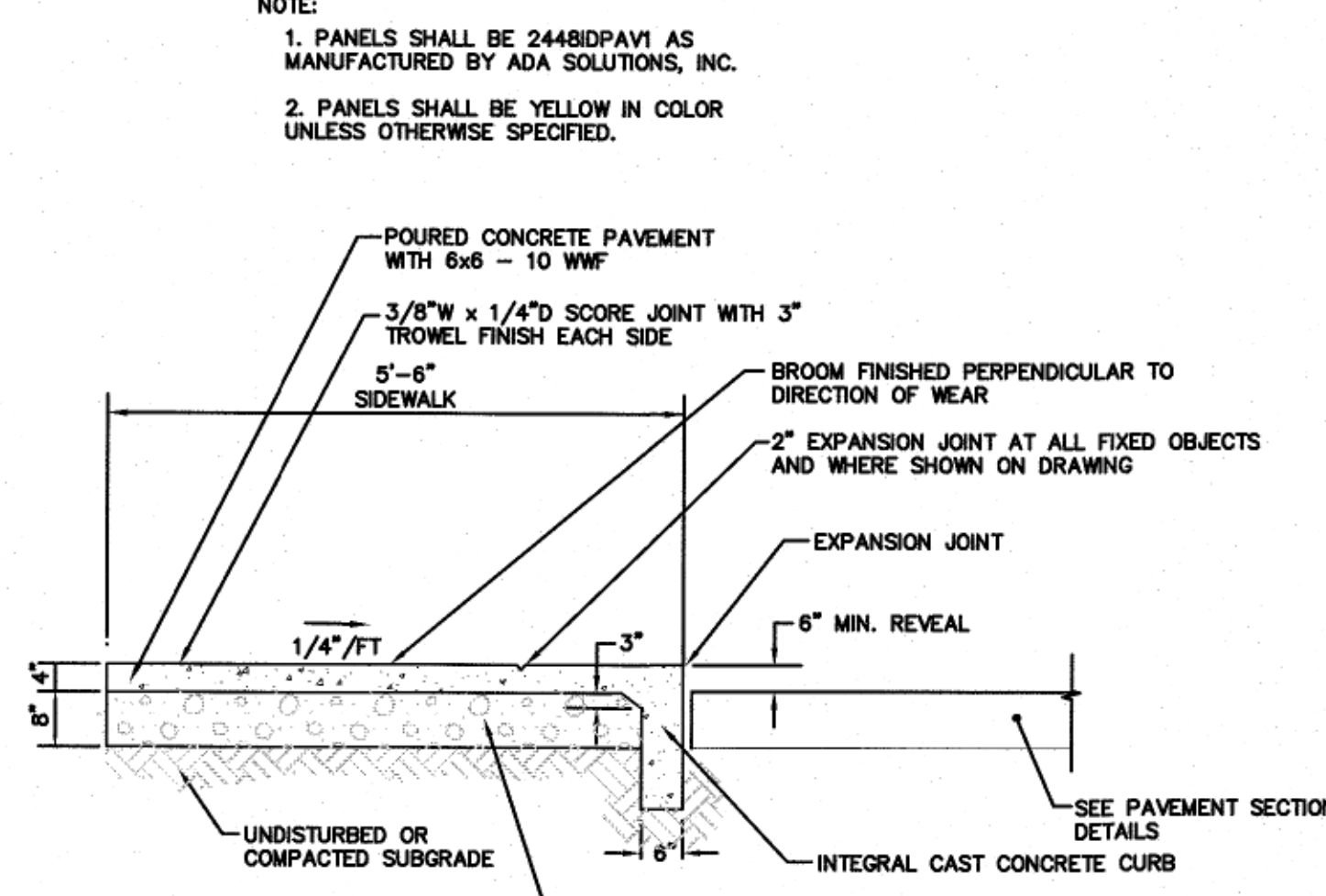
TYPICAL PAVEMENT SECTION
NOT TO SCALE

- GRAVEL BORROW BASE SHALL CONFORM TO MASSDOT STANDARD SPECIFICATIONS FOR GRAVEL BORROW SEC. M1.03.0 TYPE B COMPACTED TO 95% MAX. DRY DENSITY IN 6" MAX. LIFTS.
- BITUMINOUS PAVEMENT SHALL CONFORM TO MASSDOT STANDARD SPECIFICATIONS FOR CLASS 1 TYPE I-1 BITUMINOUS CONCRETE PAVEMENT SEC. M60.2. SUBMIT JOB-MIX FORMULA TO THE OWNER'S REPRESENTATIVE FOR APPROVAL.



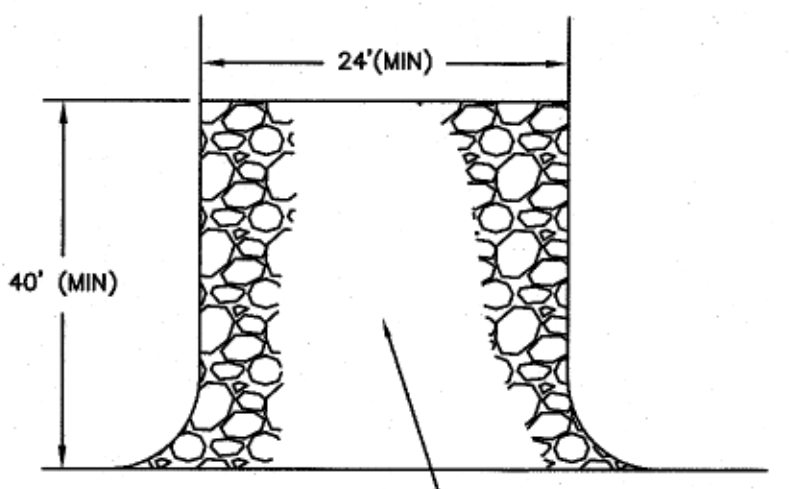
DETECTABLE WARNING PANEL DETAIL
NOT TO SCALE

- NOTE:
- PANELS SHALL BE 2448DPV1 AS MANUFACTURED BY ADA SOLUTIONS, INC.
 - PANELS SHALL BE YELLOW IN COLOR UNLESS OTHERWISE SPECIFIED.



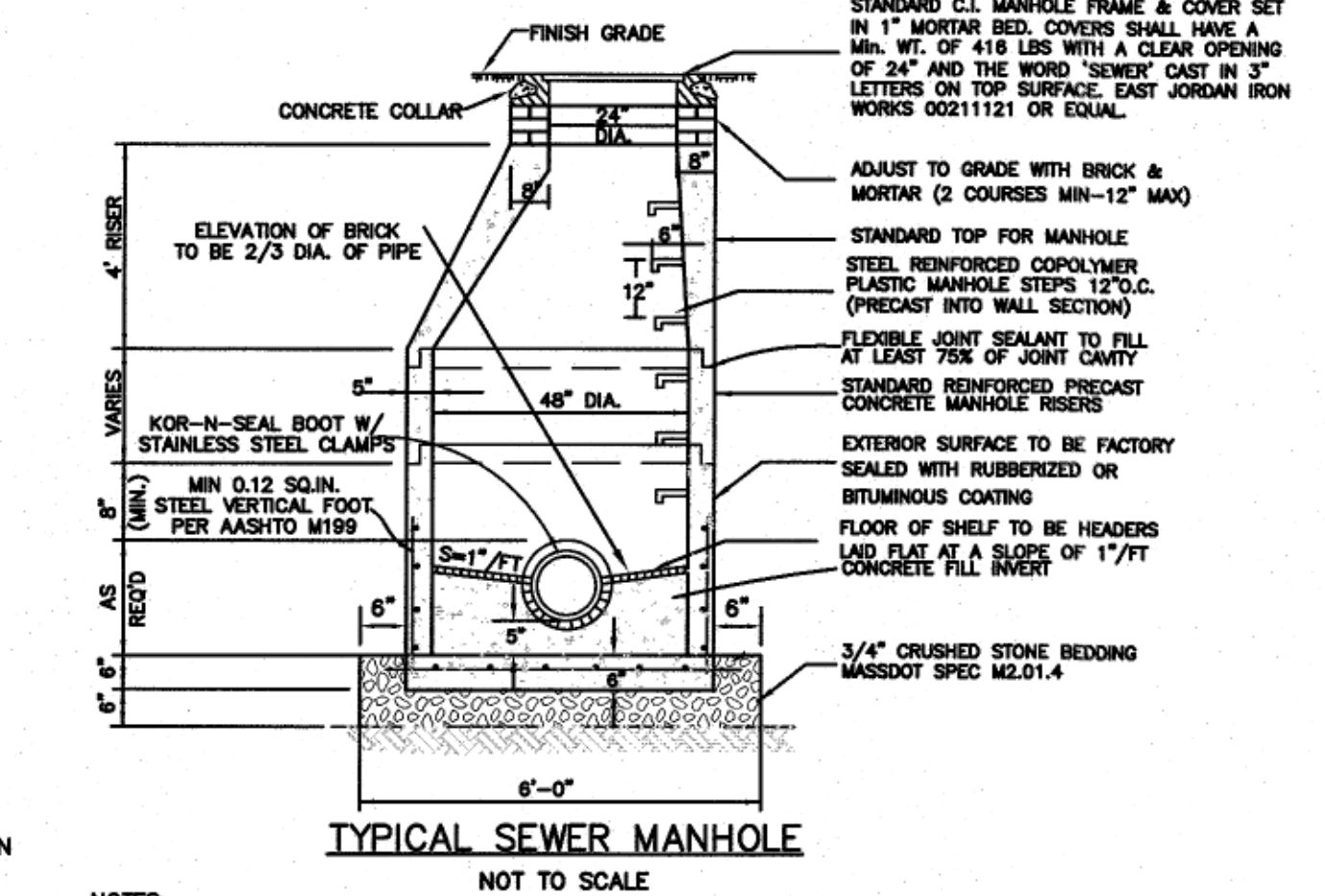
CEMENT CONCRETE SIDEWALK SECTION
(NOT TO SCALE)

- NOTE:
- SCORE JOINT SPACING: MIN. - 4'-0" MAX. - 6'-0", UNLESS OTHERWISE SHOWN ON PLAN.
 - EQUAL SPACING BETWEEN EXPANSION JOINTS, 32'-0" MAX., UNLESS OTHERWISE SHOWN ON PLAN.
 - CEMENT CONCRETE SHALL CONFORM TO MASSDOT SPEC M4.02.00 AND SHALL HAVE 4,000 P.S.I. COMPRESSIVE STRENGTH @ 28 DAYS WITH A CEMENT CONTENT OF 660#/c.y.; MAX. AGGREGATE SIZE 3/8"



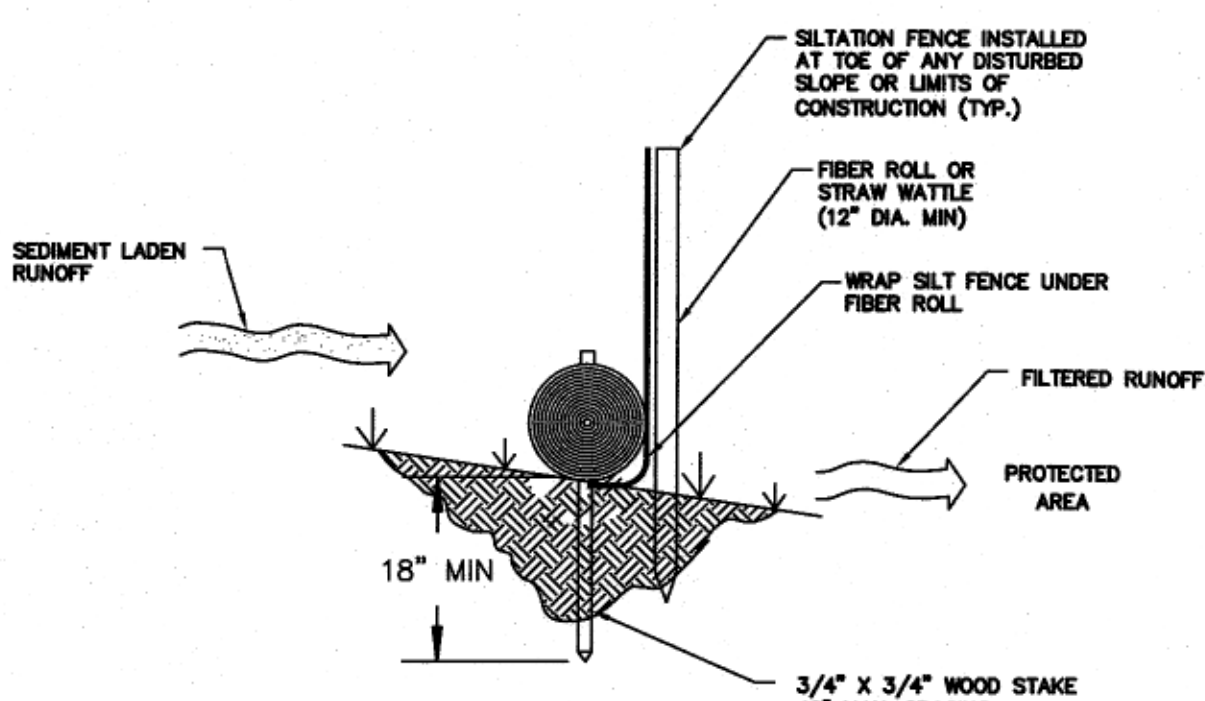
TEMPORARY CONSTRUCTION PAD
NOT TO SCALE

NOTE: TEMPORARY CONSTRUCTION PADS TO BE PLACED AT ALL CONSTRUCTION ENTRANCES TO MINIMIZE TRACKING ONTO THE ROADWAY SURFACE.



TYPICAL SEWER MANHOLE
NOT TO SCALE

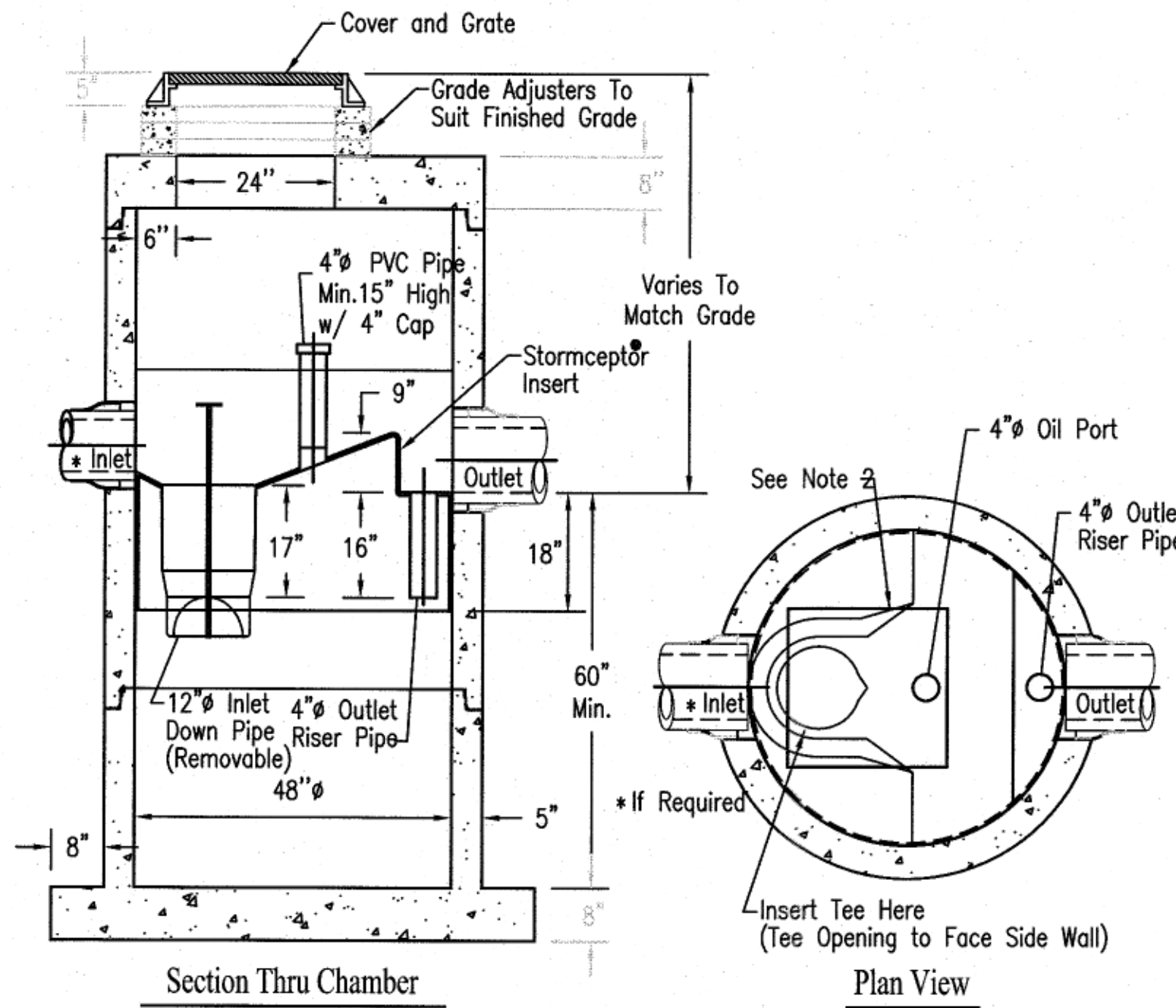
- NOTE:
- MANHOLE DESIGN TO CONFORM TO "PRECAST CONCRETE MANHOLE SECTIONS-ASTM C478 LATEST REVISION.
 - FILL OUTSIDE FACE OF ALL MANHOLE JOINTS W/NON SHRINK MORTAR.
 - USE FLAT TOP SLAB WHEN HEIGHT OF CONE SECTION IS LESS THAN 3'-0".
 - PROVIDE PIPE JOINTS NO MORE THAN 3'-0" FROM OUTSIDE FACE OF MANHOLE.
 - PLUG LIFT HOLES SOLID W/ MASTIC.
 - PROVIDE FLEXIBLE SLEEVE & STAINLESS STEEL STRAP AT ALL PIPE TO MANHOLE JOINTS.
 - COAT OUTSIDE SURFACE WITH BITUMINOUS WATERPROOFING.



NOTES:

- FIBER ROLL AND SILT FENCE EROSION CONTROLS SHALL BE INSTALLED DOWN SLOPE OF ALL PROPOSED AND EXISTING DISTURBED AREAS, OR AS SHOWN ON THE PLANS.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL VEGETATIVE COVER HAS BEEN FIRMLY ESTABLISHED.
- EROSION CONTROL MEASURES SHALL FOLLOW THE PERFORMANCE STANDARDS OF THE USDA SOIL CONSERVATION SERVICE, AND ANY APPLICABLE STATE/LOCAL CONSERVATION AUTHORITY.

SILTATION BARRIER DETAIL
NOT TO SCALE



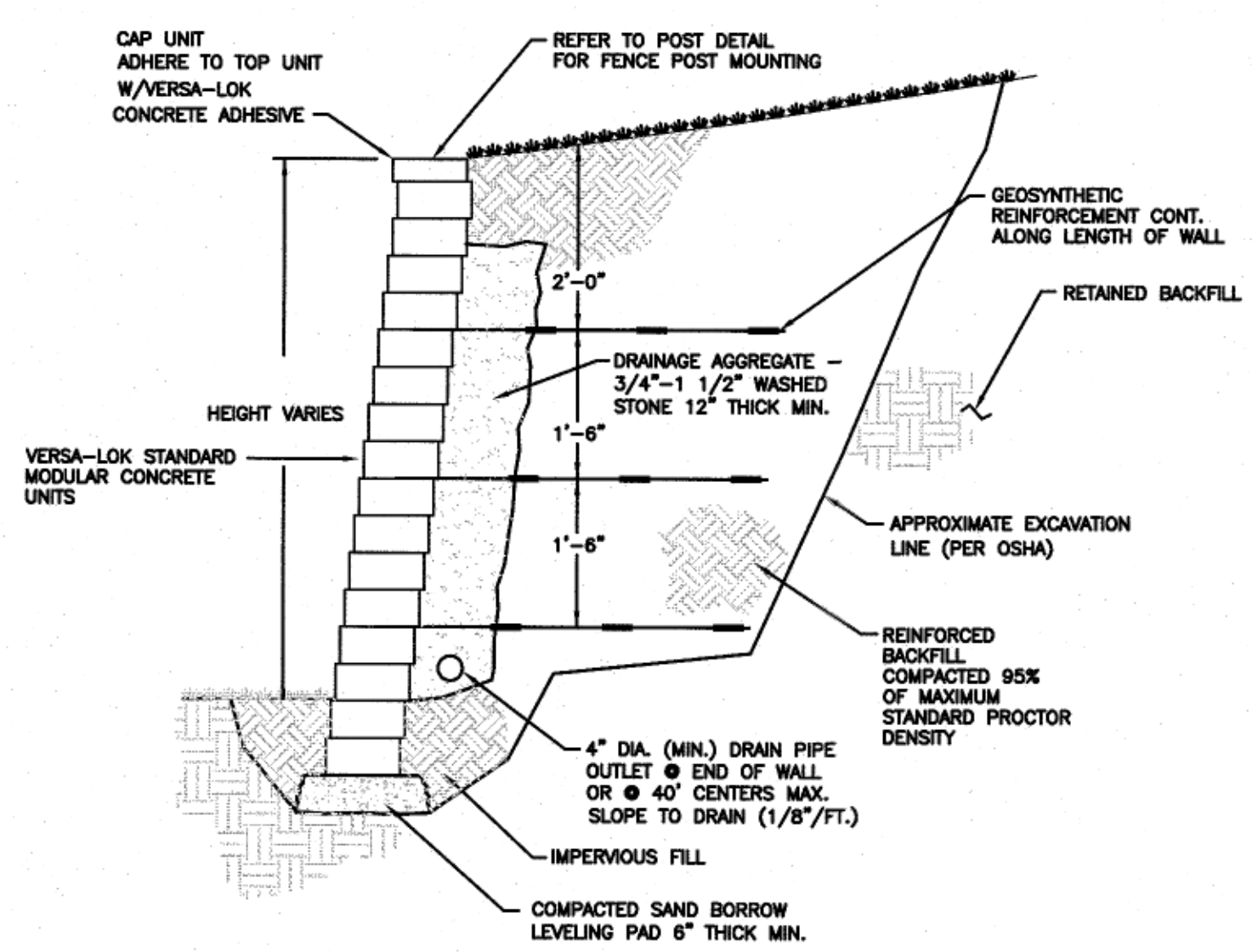
Section Thru Chamber

Plan View

Notes:

- The Use of Flexible Connection is Recommended at the Inlet and Outlet Where Applicable.
- The Cover Should be Positioned Over the Inlet Drop Pipe and the Oil Port.
- The Stormceptor System is protected by one or more of the following U.S. Patents: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
- Contact a Concrete Pipe Division representative for further details not listed on this drawing.

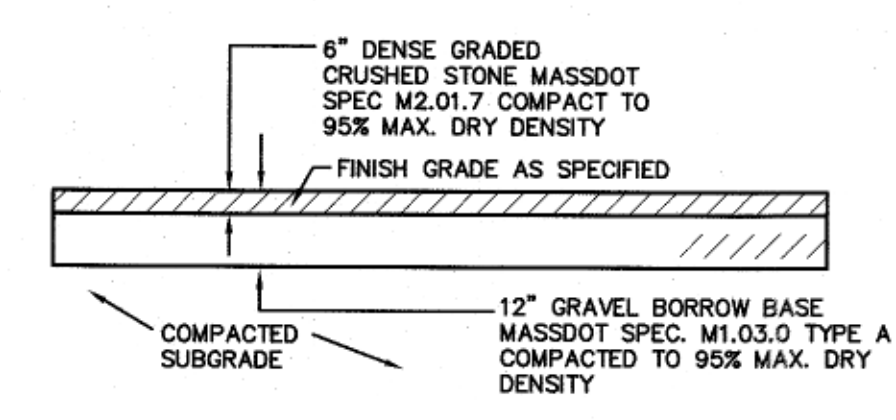
Rinker 027



VERS-A-LOK - REINFORCED RETAINING WALL
MODULAR CONCRETE UNIT (OR EQUAL)
N.T.S.

NOTE:

- WALL SECTION FOR PERMITTING PURPOSE ONLY. SHOP DRAWINGS PREPARED BY A REGISTERED PROFESSIONAL ENGINEER SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR REVIEW AND APPROVE PRIOR TO CONSTRUCTION



GRAVEL ACCESS ROAD SECTION
NOT TO SCALE

Revisions			
No.	Description	Date	Appvd.

Date	2/2/2022		
Scale	N.T.S.		
Drawn By	Designed By	Checked By	
RMS	JCC/RRR	RRR	
Issued For			

PERMITTING



PROPOSED SITE DEVELOPMENT
 D.F. PRAY
 SAMUEL BARNET BOULEVARD
 NEW BEDFORD, MASSACHUSETTS
 Drawing Title
DETAIL SHEET 1
 Project No. 2380 Sheet 11 OF 12
D-1

No.	Description	Date	Appvd.

No. Description Date Appvd.
Date 2/2/2022
Scale N.T.S.
Drawn By RMS Designed By JCC/RRR Checked By RRR
Issued For PERMITTING

PERMITTING

RICHARD R. RICCO III
CIVIL ENGINEER
No. 45899
REGISTERED PROFESSIONAL ENGINEER
2/17/2022

PROPOSED SITE DEVELOPMENT

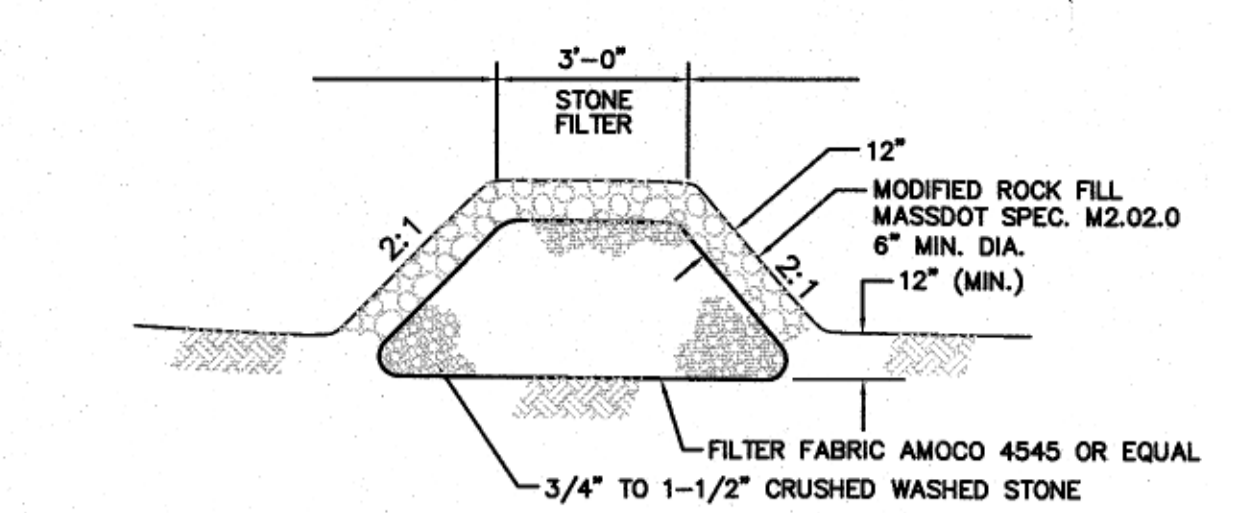
D.F. PRAY

SAMUEL BARNET BOULEVARD
NEW BEDFORD, MASSACHUSETTS

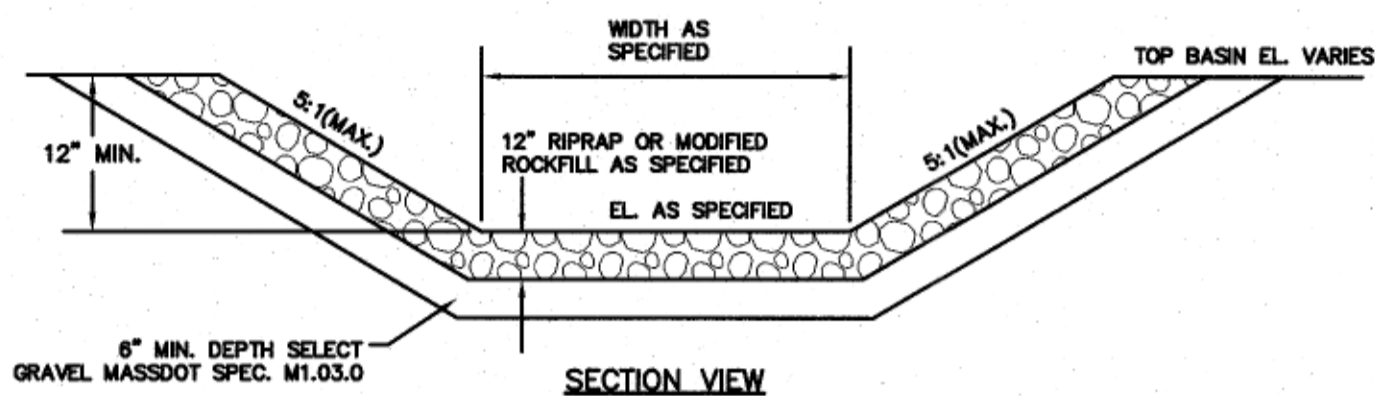
Drawing Title: **DETAIL SHEET 2**

Project No. 2380 Sheet 12 OF 12

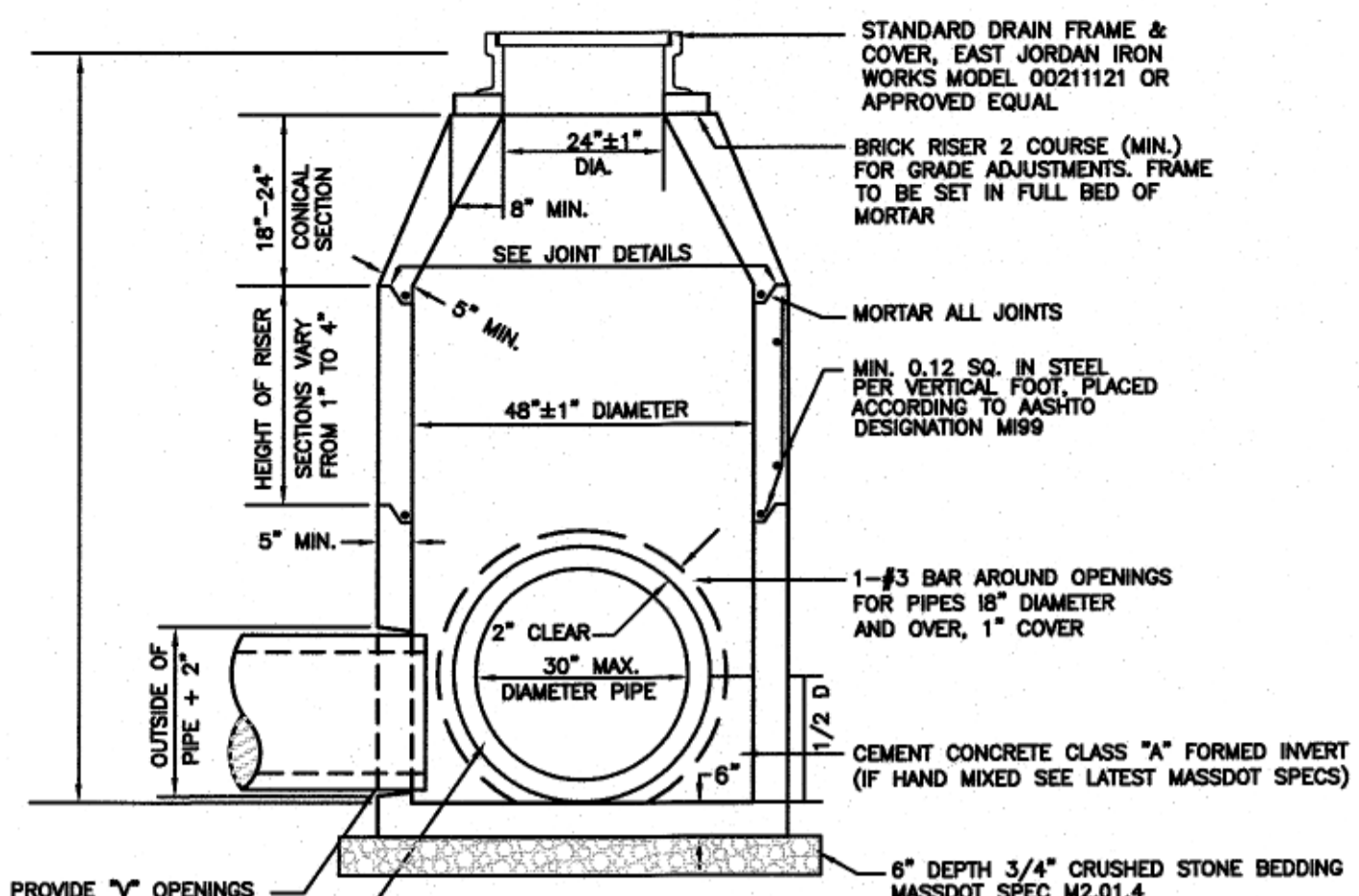
D-2



STONE FILTER BERM DETAIL
NOT TO SCALE



EMERGENCY OVERFLOW SPILLWAY
SECTION VIEW
NOT TO SCALE

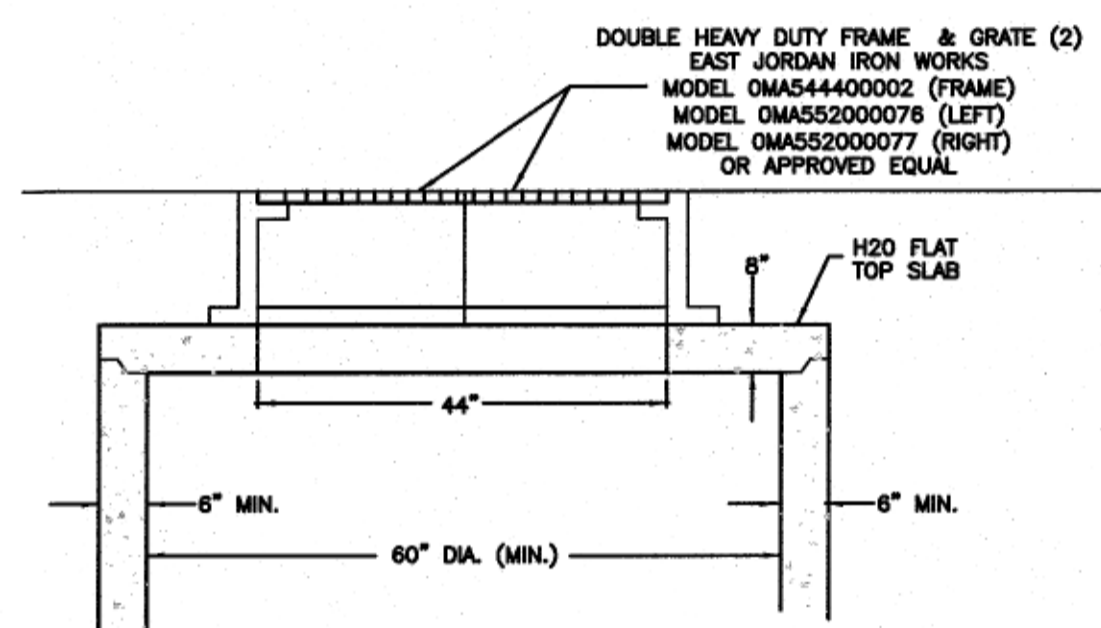


TYPICAL DRAIN MANHOLE
NOT TO SCALE

- NOTES:**
1. MANHOLE DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
 2. CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS.
 3. USE FLAT TOP SLAB WHERE FINISHED GRADE ELEVATIONS PROHIBIT THE USE OF A CONE SECTION.
 4. FILL OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.
 5. WHERE DRAIN MANHOLES OF GREATER DIAMETER ARE SPECIFIED ON THE PLANS, THEIR CONSTRUCTION SHALL MEET THE TYPICAL DRAIN MANHOLE SPECIFICATIONS.

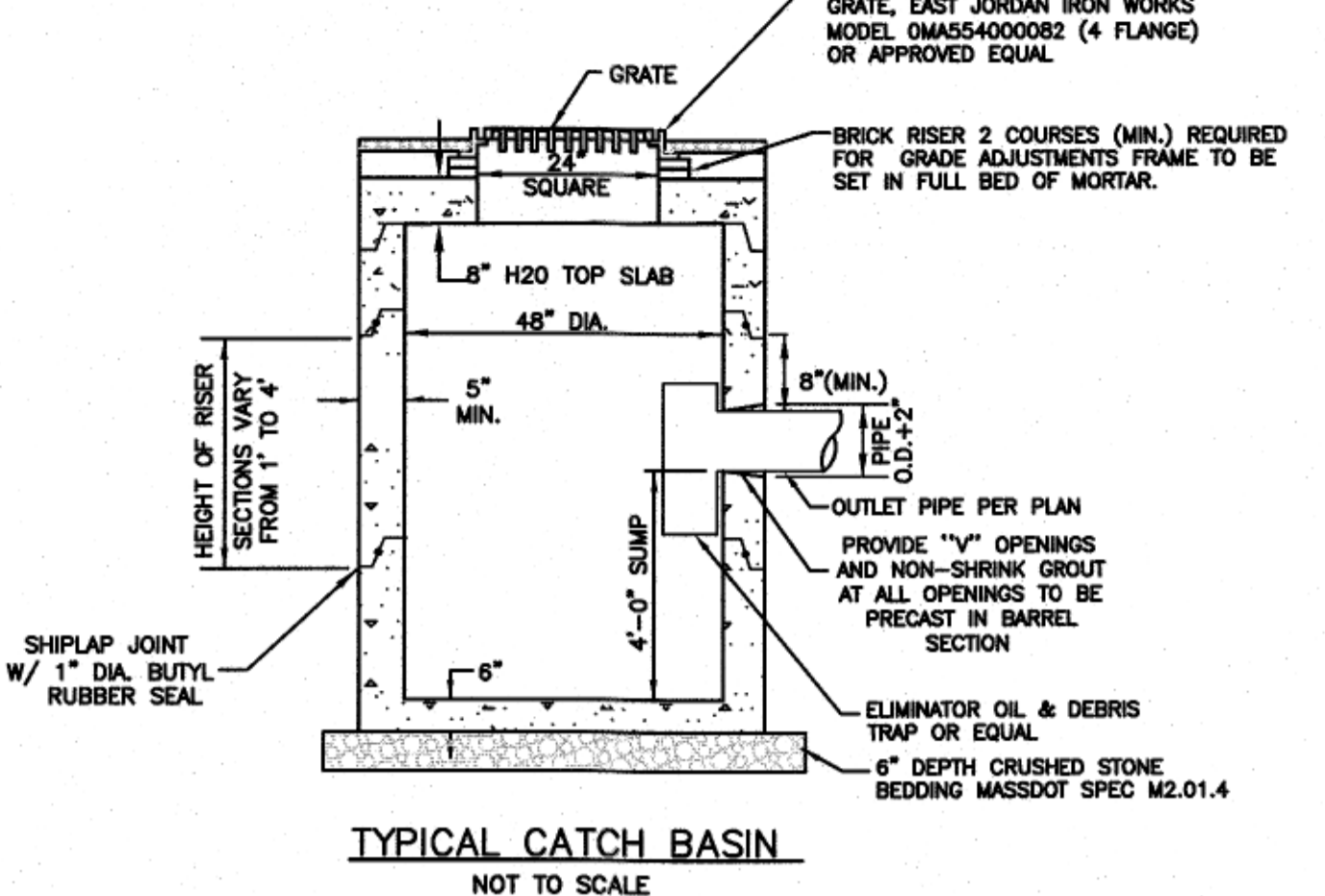
CALCULATED WATER LEVEL ELEVATIONS

STORM	BASIN EL.
2 YR STORM	81.87
10 YR STORM	82.29
25 YEAR STORM	82.54
100 YEAR STORM	82.87
SPILLWAY ELEVATION	83.00
TOP OF BERM ELEVATION	84.00



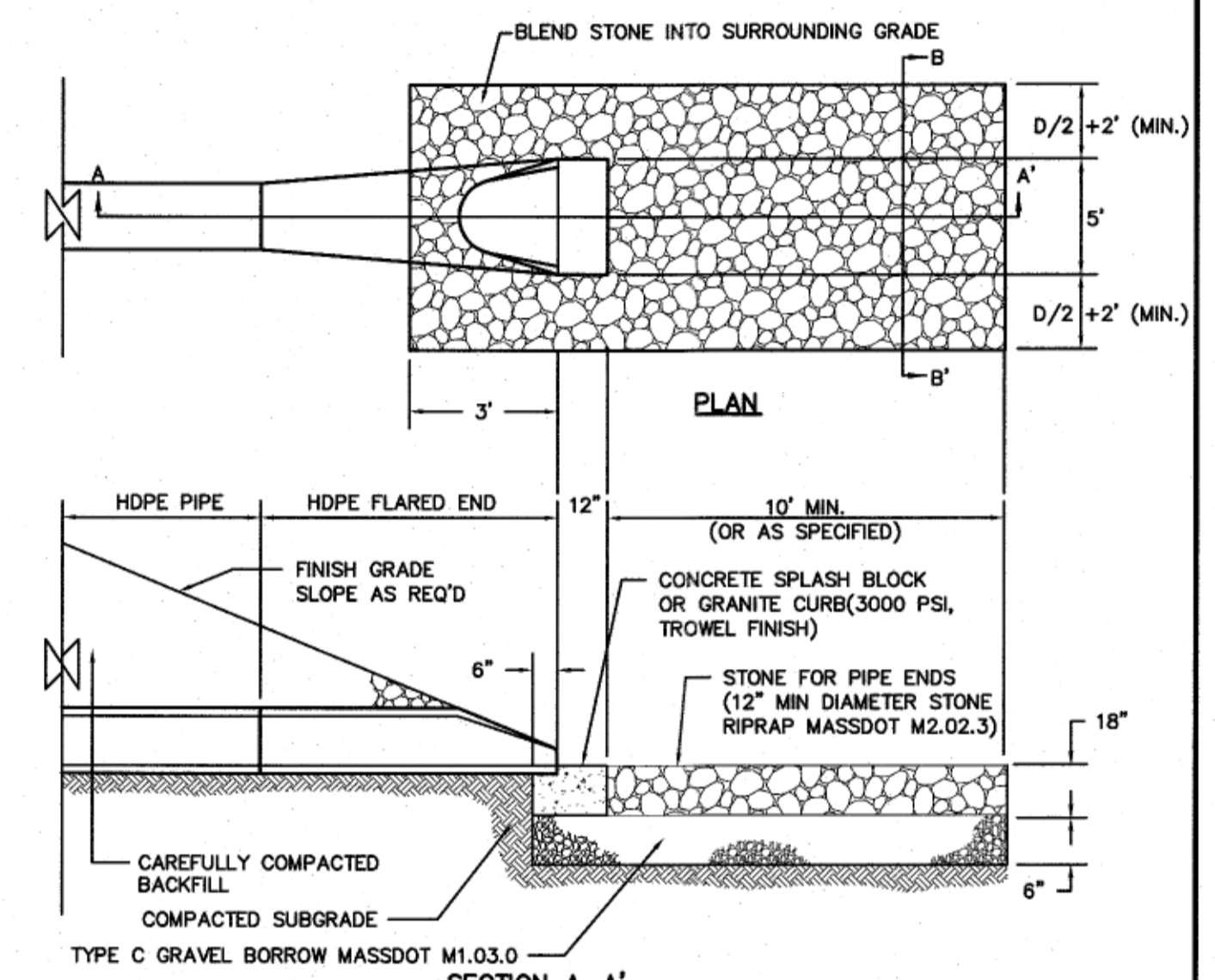
DOUBLE GRATE CATCH BASIN
NOT TO SCALE

- NOTES:**
1. CATCH BASIN DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
 2. CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS. FILL OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.
 3. OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.
 4. BASE SECTION TO BE MONOLITHIC.
 5. REFER TO TYPICAL CATCH BASIN DETAIL ON THIS SHEET FOR ADDITIONAL INFORMATION.



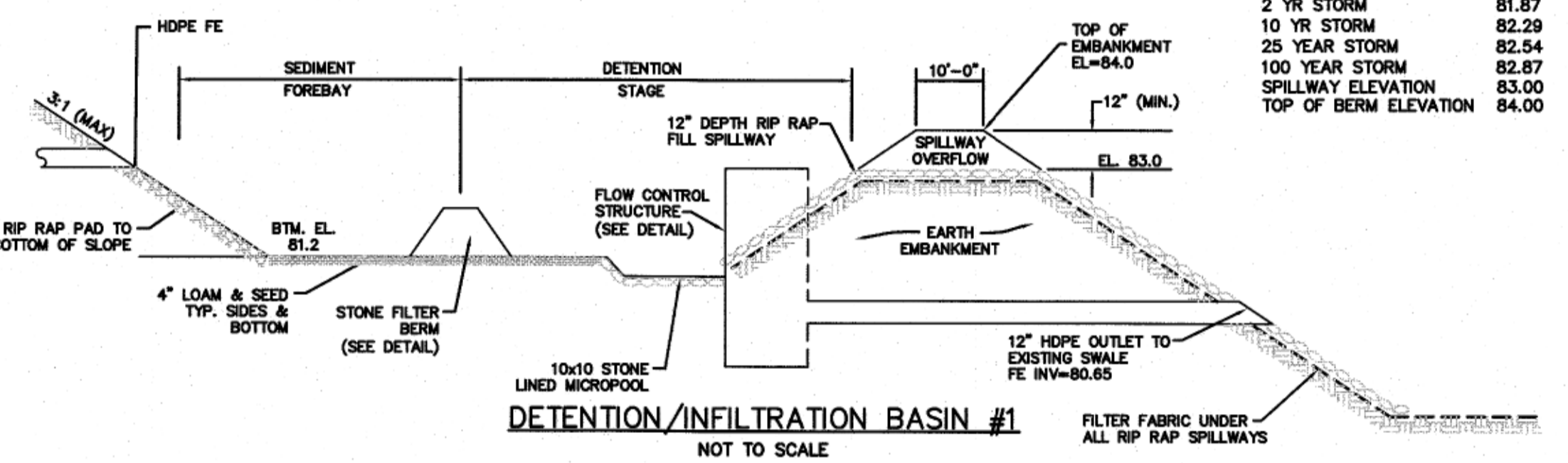
TYPICAL CATCH BASIN
NOT TO SCALE

- NOTES:**
1. CATCH BASIN DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
 2. CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS.
 3. FILL OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.
 4. BASE SECTION TO BE MONOLITHIC.
 5. WHERE CATCH BASIN OF GREATER DIAMETER ARE SPECIFIED ON THE PLANS, THEIR CONSTRUCTION SHALL MEET THE TYPICAL CATCH BASIN SPECIFICATIONS.

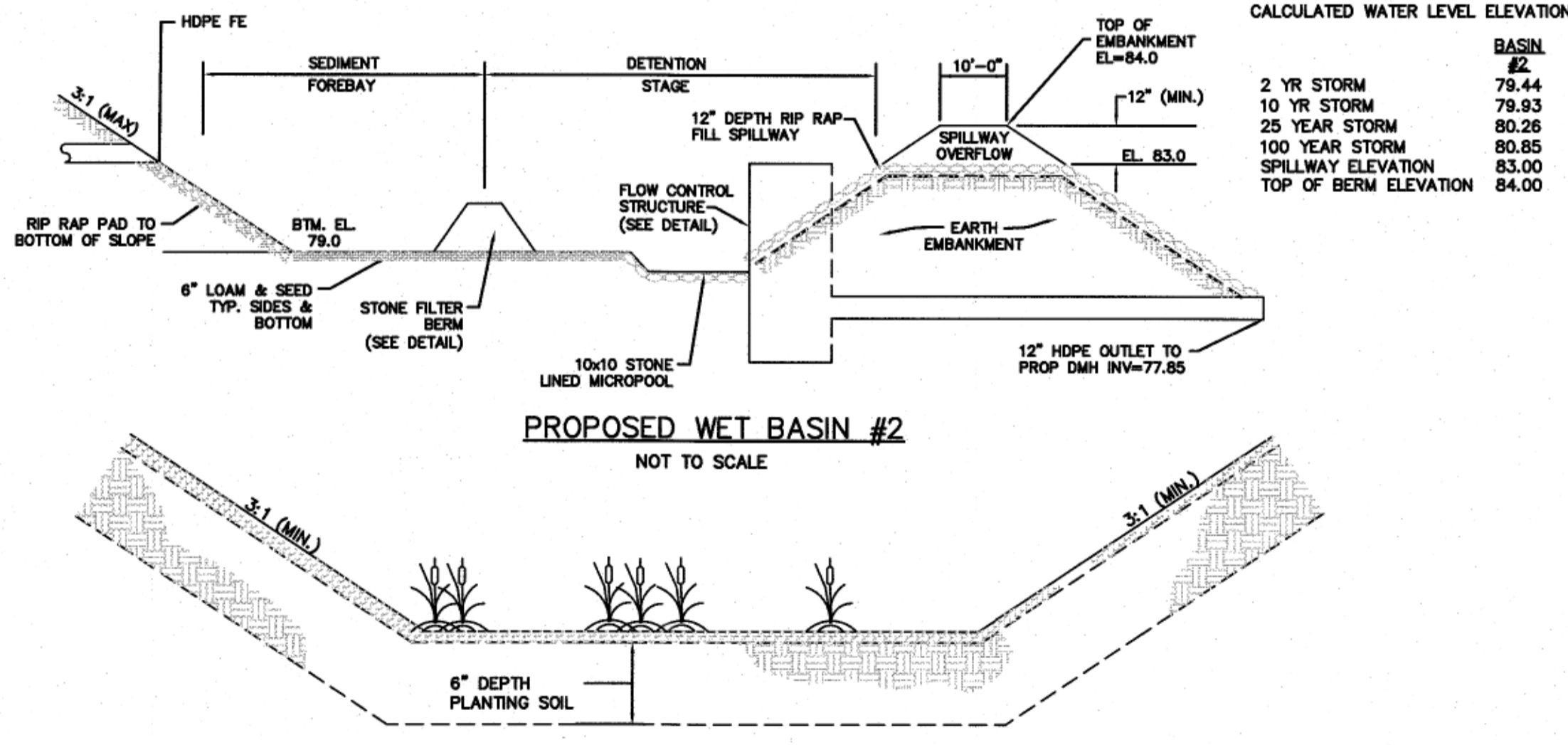


FLARED END AND STONE AT ALL PIPE ENDS
SECTION A-A'
NOT TO SCALE

1. STONE FOR PIPE ENDS SHALL CONFORM TO MASSDOT SPECIFICATIONS M2.02.3



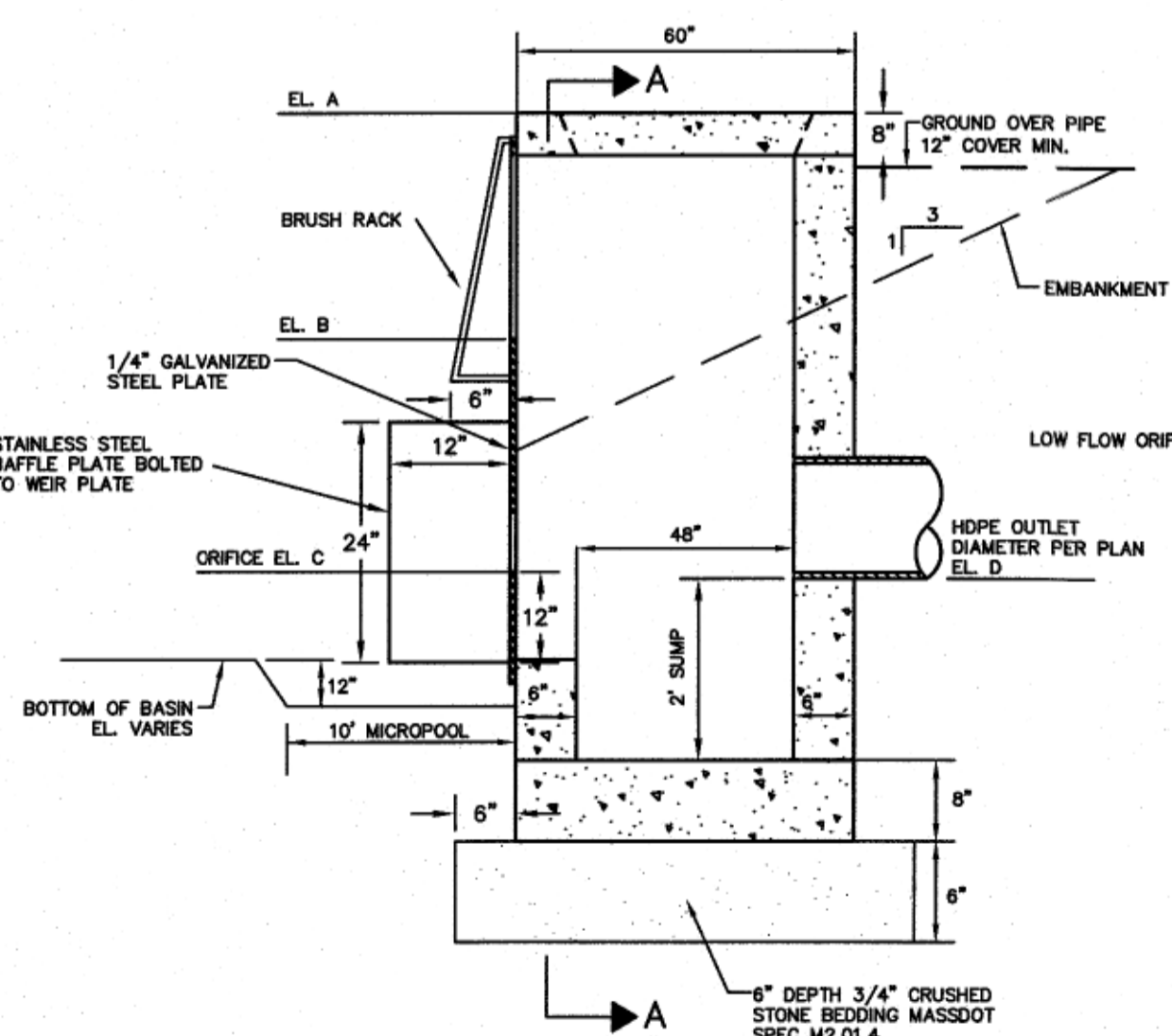
DETECTION/INFILTRATION BASIN #1
NOT TO SCALE



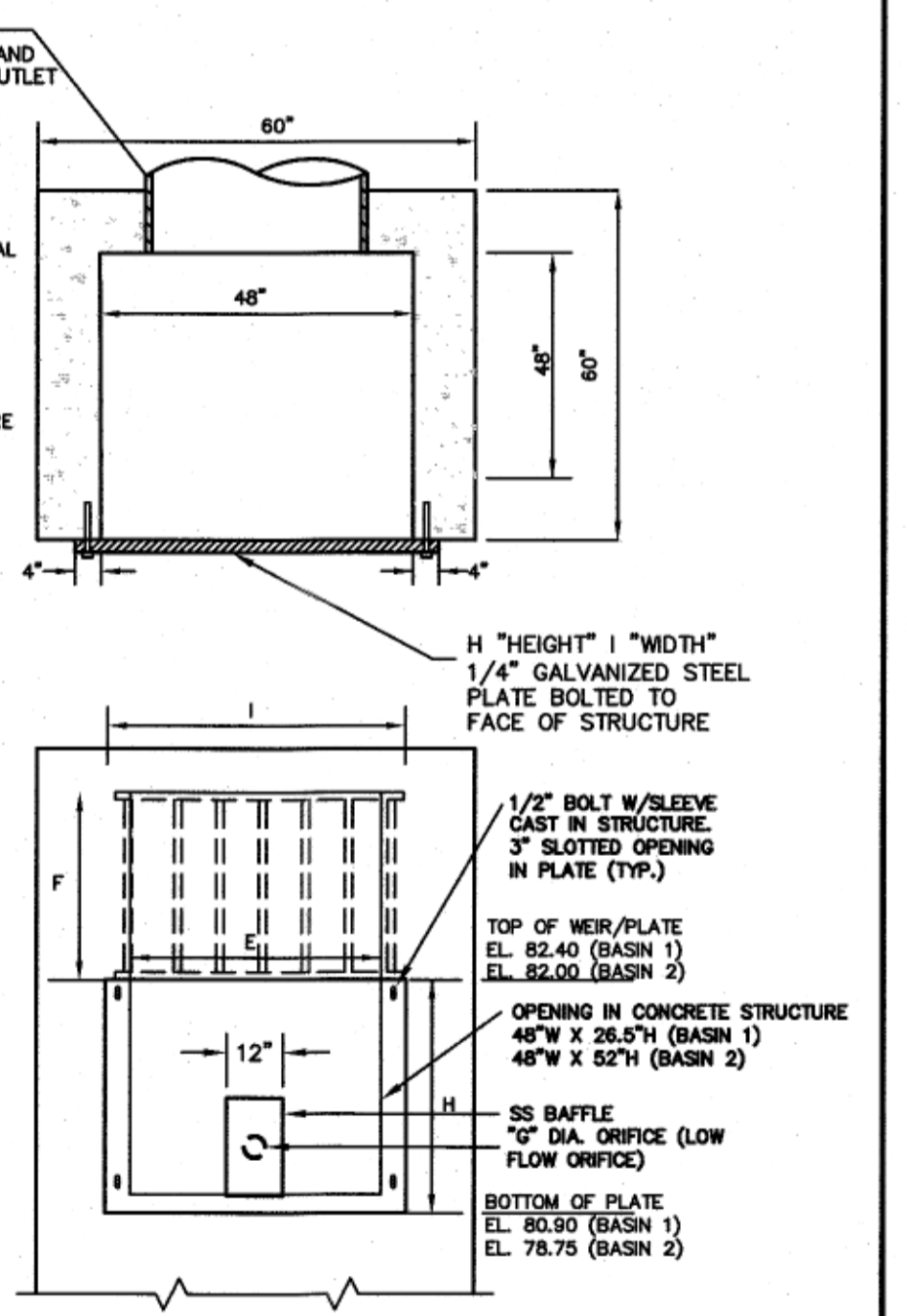
PROPOSED WET BASIN #2
NOT TO SCALE

CALCULATED WATER LEVEL ELEVATIONS

STORM	BASIN EL.
2 YR STORM	79.44
10 YR STORM	79.93
25 YEAR STORM	80.26
100 YEAR STORM	80.85
SPILLWAY ELEVATION	83.00
TOP OF BERM ELEVATION	84.00



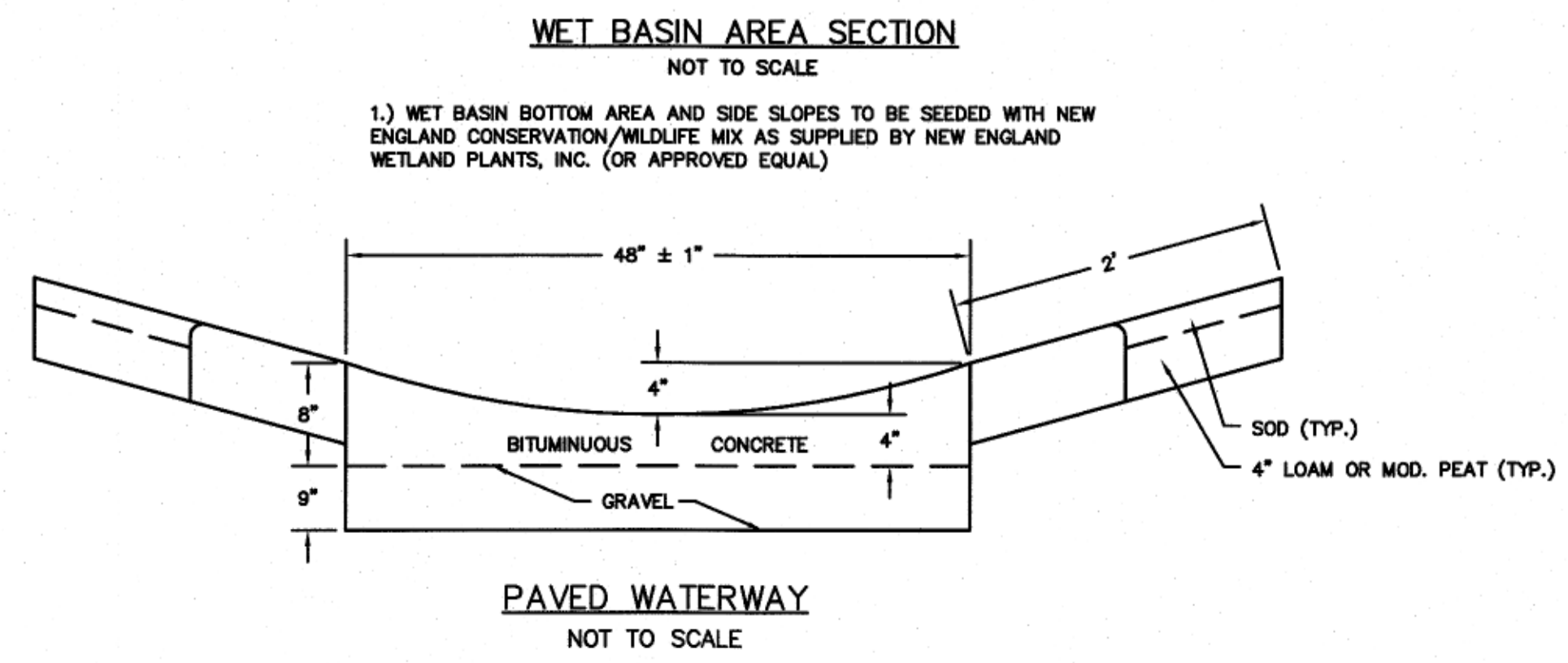
FLOW CONTROL STRUCTURE
NOT TO SCALE



OUTLET PLATE
NOT TO SCALE

ELEVATION/DIMENSION TABLE

STRUCTURE:	A	B	C	D	E	F	G	H	I
BASIN #1	84.07	82.40	81.95	81.20	48"	12"	3"	18"	52"
BASIN #2	84.00	82.00	79.00	79.00	48"	16"	1.5"	39"	52"



PAVED WATERWAY
NOT TO SCALE

- 1.) WET BASIN BOTTOM AREA AND SIDE SLOPES TO BE SEEDED WITH NEW ENGLAND CONSERVATION/WILDLIFE MIX AS SUPPLIED BY NEW ENGLAND WETLAND PLANTS, INC. (OR APPROVED EQUAL)

F:\ProjectData\2300-2380\2380_D.F. Pray\Drawings\2380_DET.dwg