

# PROPOSED SITE DEVELOPMENT RAW SEAFOODS

# SITE DRAWINGS

ISSUED FOR: PERMITTING  
DATE ISSUED: OCTOBER 8, 2015  
LATEST ISSUE: OCTOBER 22, 2015

## SAMUEL BARNET BOULEVARD NEW BEDFORD, MASSACHUSETTS



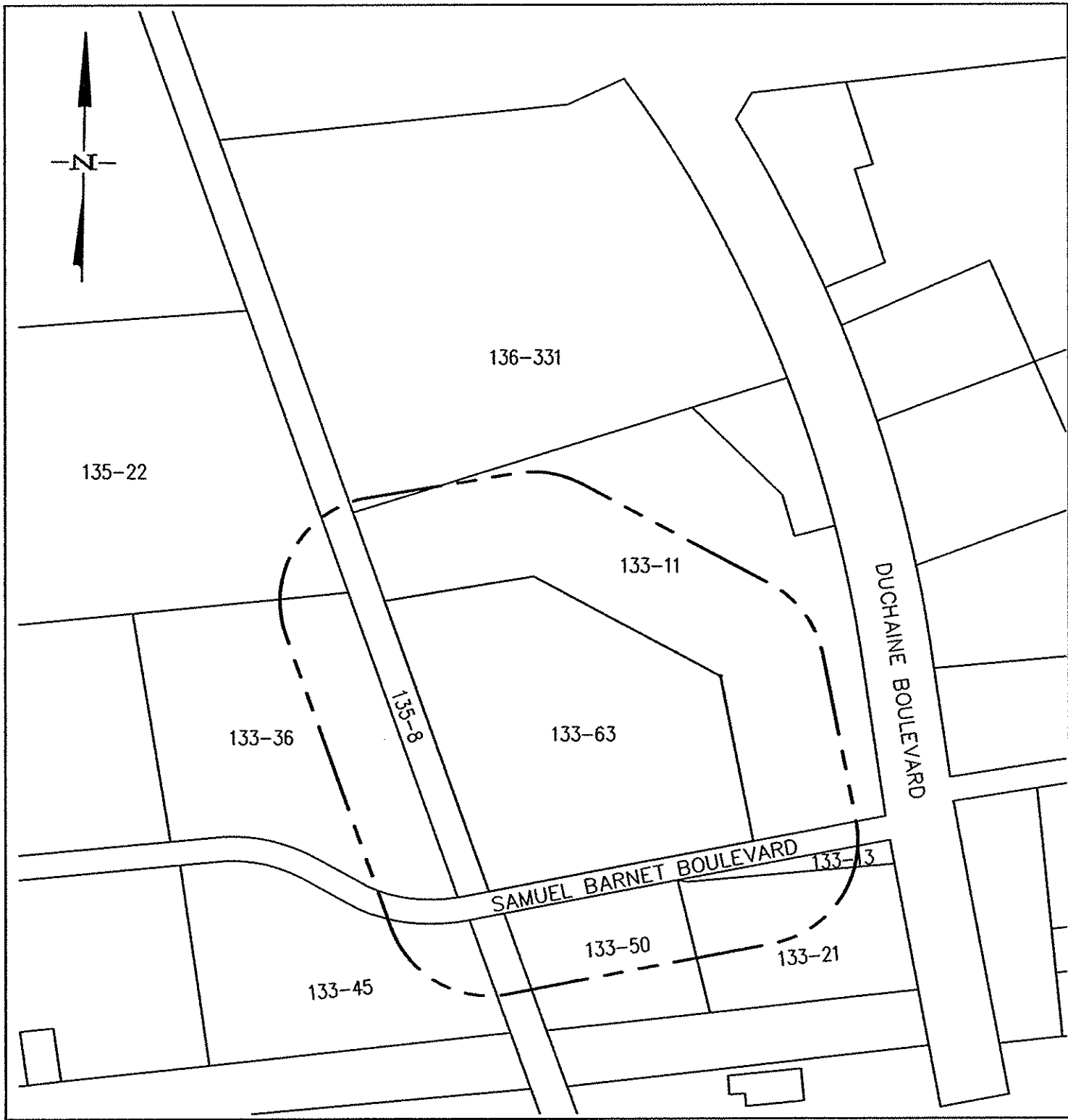
SCALE: 1"=600'

## INDEX TO DRAWINGS

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

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

LOT NO.	OWNER OF RECORD
133-11	GREATER NEW BEDFORD INDUSTRIAL FOUNDATION
133-13	ARTHUR L. MILHENCH TRUSTEE
133-21	ARTHUR L. MILHENCH TRUSTEE
133-36	HIGHLAND SAMUEL BARNET ASSOC.
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



SCALE: 1"=400'

### 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:

RAW SEAFOODS  
481 CURRANT ROAD  
FALL RIVER, MA 02720

### OWNER:

GREATER NEW BEDFORD  
INDUSTRIAL FOUNDATON  
1213 PURCHASE STREET  
NEW BEDFORD, MA 02740

### 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

THE CROCKER BUILDING  
4 COURT STREET SUITE 104  
TAUNTON, MA 02780  
TEL: (508) 824-9279  
FAX: (508) 824-9276

Project No.

2064



# GENERAL CONSTRUCTION NOTES

1. THE MATERIALS AND CONSTRUCTION OF ALL THE PROPOSED WATER, SEWER AND STORM DRAINAGE UTILITIES SHALL CONFORM TO THE LOCAL D.P.W. STANDARDS AND SPECIFICATIONS AS WELL AS ALL APPLICABLE MASSDOT STANDARDS AND SPECIFICATIONS, LATEST EDITION. THE MATERIALS AND CONSTRUCTION OF ALL ELECTRIC, TELEPHONE & CATV UTILITIES SHALL CONFORM TO THE SPECIFICATIONS OF EACH RESPECTIVE PUBLIC UTILITY PROVIDER.
2. ALL CONSTRUCTION MATERIALS, AS WELL AS ALL MATERIAL SHOP DRAWINGS AND MANUFACTURERS DATA SHALL RECEIVE THE WRITTEN APPROVAL OF THE LOCAL D.P.W. AND THE PROJECT ENGINEER PRIOR TO FABRICATION AND INSTALLATION.
3. THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. UNDERGROUND UTILITIES SHOWN ARE FROM FIELD OBSERVATION AND THE MOST AVAILABLE RECORDATION AND ARE NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL UNDERGROUND PIPES OR STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY COMPANIES RELATIVE TO THE LOCATION AND ELEVATION OF ALL EXISTING LINES.
4. THE CONTRACTOR SHALL CONTACT "DIG SAFE" AT "811", 72 HOURS PRIOR TO ANY EXCAVATION AND/OR SUBSURFACE TESTING TO INFORM THE UTILITY COMPANIES OF ANY EXCAVATION.
5. WHENEVER EXISTING STRUCTURES ARE ENCOUNTERED, THE CONTRACTOR SHALL REPAIR ANY DAMAGED STRUCTURES OR REPLACE ANY REMOVED STRUCTURES, AND MAKE ANY IMPROVEMENTS ABOVE OR BELOW GRADE TO A CONDITION BETTER THAN OR EQUAL TO PRE-EXISTING CONDITIONS.
6. ALL EXCAVATED MATERIAL DESIGNATED FOR REUSE SHALL BE STOCKPILED ON SITE NO HIGHER THAN 8 FEET AND SHALL BE ENCLOSED BY TEMPORARY SILT FENCES TO PREVENT TRAVEL OF SEDIMENT TO ADJACENT PROPERTIES OR DRAINAGE WAYS. STOCKPILES SHALL NOT BE ALLOWED WITHIN THE 100' WETLAND BUFFER ZONE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL WASTE MATERIAL AT AN APPROVED LOCATION. BURIAL OF WASTE MATERIAL ON SITE WILL NOT PERMITTED.
8. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE AND MAINTAINED IN GOOD CONDITION UNTIL SURFACE RESTORATION IS COMPLETE AND ALL AREAS DISTURBED BY THE CONTRACTORS OPERATIONS ARE STABILIZED.
9. THE CONTRACTOR SHALL PROTECT ADJACENT PROPERTIES FROM ON SITE CONSTRUCTION ACTIVITIES AND REMOVE ANY SEDIMENT OR DEBRIS DEPOSITED THEREON IMMEDIATELY.
10. DRAINAGE GENERATED AS A RESULT OF TRENCH DEWATERING SHALL BE DISCHARGED TO EXISTING DRAINAGE COURSES WITH PROPER EROSION CONTROL AND DEWATERING MEASURES SUBJECT TO APPROVAL BY THE PROJECT ENGINEER. DIRECT DISCHARGE ONTO PAVEMENT, WETLANDS OR PRIVATE PROPERTY SHALL NOT BE ALLOWED WITHOUT CONSENT OF THE PROJECT ENGINEER AND THE OWNER.
11. THE OWNER AND THE PROJECT ENGINEER SHALL APPROVE ALL FIELD CHANGES IN THE WORK PRIOR TO IMPLEMENTATION. NO FIELD CHANGES SHALL BE MADE IN ANY SPECIFIED WORK WITHOUT PRIOR CONSULTATION OF THE OWNER AND THE PROJECT ENGINEER. ANY CHANGES SO MADE WITHOUT THE CONSENT OF THE OWNER AND THE PROJECT ENGINEER SHALL, IF DEEMED UNACCEPTABLE BY EITHER PARTY, BE PROMPTLY REMOVED FROM THE WORK AT NO EXPENSE TO THE OWNER OF THE PROJECT.
12. ANY WORK OR MATERIALS NOT MEETING THE APPROVED STANDARDS AND SPECIFICATIONS OF THE LOCAL DEPT. OF PUBLIC WORKS SHALL BE IMMEDIATELY REMOVED AND REPLACED AT THE FULL RESPONSIBILITY AND COST/EXPENSE TO THE CONTRACTOR.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITE PREPARATION, THE COORDINATION AND INSTALLATION OF ALL UTILITY CONNECTIONS, AND RELATED WORK INCLUDING BUT NOT LIMITED TO ALL NECESSARY SHORING, BRACING AND TRENCH DEWATERING FOR THE COMPLETE INSTALLATION OF THE PROJECT FACILITIES DURING CONSTRUCTION.
14. ALL OPEN EXCAVATIONS SHALL BE ADEQUATELY SAFEGUARDED IN STRICT ACCORDANCE WITH OSHA GUIDELINES AND TO THE SATISFACTION OF THE LOCAL POLICE DEPARTMENT. PROVISIONS FOR TEMPORARY BARRICADES, CAUTION SIGNS, LIGHTS AND OTHER MEANS TO PREVENT ACCIDENTS AND DAMAGE TO PROPERTY ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE SUITABLE AND SAFE BRIDGES AND OTHER CROSSINGS FOR ACCOMMODATING TRAVEL BY PEDESTRIANS AND WORKMEN. NO EXCAVATIONS SHALL REMAIN OPEN OVERNIGHT.
15. REFER TO CONSTRUCTION DETAIL SHEETS FOR ADDITIONAL UTILITY REQUIREMENTS AND SPECIFICATIONS.
16. THESE PLANS HAVE BEEN PREPARED SPECIFICALLY AS SUPPLEMENTAL INFORMATION TO ACCOMPANY APPLICABLE PERMIT APPLICATIONS AND ARE NOT INTENDED FOR ACTUAL CONSTRUCTION WITHOUT THE EXPRESSED WRITTEN APPROVAL OF FIELD ENGINEERING CO., INC.
17. IN THE EVENT OF AN INCONSISTENCY BETWEEN THESE SPECIFICATIONS AND THE LOCAL D.P.W., THE LOCAL D.P.W. SPECIFICATIONS SHALL GOVERN. THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE SPECIFICATIONS FROM THE LOCAL DEPARTMENT OF PUBLIC WORKS.
18. ANY MINOR MODIFICATIONS (AS DETERMINED BY THE CITY ENGINEER) TO THE INFORMATION SHOWN ON THE APPROVED SITE PLANS SHALL BE SUBMITTED TO THE CITY ENGINEER AS A MINOR PLAN REVISION FOR APPROVAL PRIOR TO THE WORK BEING PERFORMED.
19. ALL HANDICAP PARKING, RAMPS, AND ACCESS SHALL CONFORM TO ADA & MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (AAB) REQUIREMENTS.
20. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION. EROSION CONTROL SHALL CONFORM TO THE CITY OF NEW BEDFORD CONSERVATION COMMISSION REQUIREMENTS AS STATED IN THE ORDER OF CONDITIONS (REFER TO SITE GRADING AND LAYOUT PLAN FOR EROSION CONTROL LOCATIONS)
21. ALL PAVEMENT MARKINGS AND SIGNS SHALL CONFORM TO MUTCD REQUIREMENTS.

LEGEND	EXISTING	PROPOSED
INTERMEDIATE CONTOUR		
INDEX CONTOUR		
SPOT ELEVATION		
SEWER MANHOLE		
DRAIN MANHOLE		
ROOF DRAIN		
CATCH BASIN		
FLARED END		
RIP-RAP		
UNDERGROUND WATER		
WATER FIRE SERVICE		
WATER DOMESTIC SERVICE		
HYDRANT		
WATER GATE		
TEE		
TAPPING SLEEVE & GATE VALVE		
GAS GATE		
UNDERGROUND GASLINE		
UNDERGROUND ELECTRIC, CABLE & TELEPHONE		
LIGHT POLE		
UTILITY POLE		
GUY WIRE		
OVERHEAD WIRE		
HANDICAP RAMP		
CONCRETE		
BITUMINOUS CONCRETE		
TREE		
TREE LINE		
BUILDING		
CONCRETE CURB		
BIT CONC BERM		
POST & RAIL FENCE		
CHAIN LINK FENCE		
SIGN		
SOIL TEST PIT		
BORDERING VEGETATED WETLAND & FLAG NO.		
WETLAND PROTECTION ZONE		

# EROSION & SEDIMENTATION CONTROL PROGRAM

1. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE EXECUTED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS AND SPECIFICATIONS AS WELL AS ALL APPLICABLE MASSDOT POLLUTION PREVENTION PLAN (SWPPP).
2. THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF THE SOIL IF THE DISTURBANCE IS WITHIN 100 FEET OF A WETLAND RESOURCE AREA. THE DISTURBED AREAS SHALL BE STABILIZED WITHIN 7 DAYS OR PRIOR TO ANY FORECASTED STORM EVENT.
3. SEDIMENT BARRIERS (SILT FENCE, HAY BARRIERS, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE UPDRAINING CONTRIBUTING DRAINAGE AREA. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 8.0% AFTER OCTOBER 1ST.
4. INSTALL SILT FENCE AT TOE OF SLOPE TO FILTER SILT FROM RUNOFF. SEE SILT FENCE DETAIL FOR PROPER INSTALLATION. SILT FENCE WILL REMAIN IN PLACE PER NOTE #5.
5. ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL, SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT AND WHEN THE DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE STABILIZED BY TURF.
6. NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN TWO TO ONE (2 TO 1) UNLESS NOTED OTHERWISE.
7. IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST, USE TEMPORARY MULCH OR DORMANT SEEDING TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
8. TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST TO PROTECT FROM SPRING RUNOFF PROBLEMS.
9. REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND PREPARED FOR FINAL SEEDING AS FOLLOWS:  

A) THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS, AND SHALL BE PLACED TO A DEPTH OF FOUR (4) INCHES ON ALL LOAM AND SEED AREAS OR AS SPECIFIED ON THE DRAWINGS.

B) APPLY FERTILIZER AT A RATE OF 800 LB PER ACRE OR 18.4 LB PER ACRE 1,000 SF, APPLY GROUND LIMESTONE EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE OR 138 LB PER 1,000 S.F.

C) THE DESIGN MIX FOR SEEDING SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE. THE SEED MIX SHALL BE INOCULATED WITHIN TWENTY-FOUR (24) HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.

TYPE	% BY WEIGHT
RED FESCUE	50
KENTUCKY 31	30
DOMESTIC RYE	10
RED TOP	5
LADINO CLOVER	5
APPLICATION RATE	4.0 LBS./1000 S.F.

LOAM AND SEED AREAS -- MASSDOT SPEC M6.03.Q
10. HAY OR STRAW MULCH SHALL BE LOOSELY SPREAD TO A UNIFORM DEPTH AT THE RATE OF 4.5 TONS PER ACRE EXCEPT OVER CERTAIN SELECTED SEEDING AREAS WHERE IT SHALL BE USED AS DIRECTED BY THE ENGINEER AND/OR THE PLANNING BOARD. A HYDRO-APPLICATION OF WOOD OR PAPER FIBER SHALL BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS WILL BE USED ON HAY MULCH FOR WIND CONTROL.
11. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE IS STABILIZED TO THE SATISFACTION OF THE PROJECT ENGINEER AND/OR THE CONSERVATION COMMISSION.
12. ADJACENT PROPERTIES WILL BE PROTECTED WITH HAY BALES AND/OR SILT FENCING INSTALLED AS SHOWN ON THE DRAWINGS. ADDITIONAL HAY BALES OR SAND BAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE PROJECT ENGINEER AND/OR THE CONSERVATION COMMISSION.
13. TEMPORARY HAY BALE EROSION CHECKS OR FILTER FABRIC GRATE INSERTS SHALL BE PROVIDED AT ALL DRAINAGE STRUCTURE INLETS DURING CONSTRUCTION. UPON COMPLETION OF CONSTRUCTION AND SATISFACTORY STABILIZATION OF DISTURBED AREAS, THE CONTRACTOR SHALL CLEAN ALL CATCH BASIN SUMPS AND DRAIN INVERTS.
14. THE CONTRACTOR MUST REPAIR OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE OWNER.
15. THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1ST THROUGH JUNE 15TH AND AUGUST 15TH THROUGH SEPTEMBER 30TH.
16. STOCKPILES OF TOP SOIL SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 1:1.

## MULCH AND MULCH ANCHORING

MULCH LOCATION	MULCH	RATE (1,000 S.F.)
MILD SLOPES LESS THAN 3:1	STRAW OR HAY	200 POUNDS
HIGH WIND VELOCITY AREAS	SHREDDED OR CHOPPED CORNSTALKS	200-275 POUNDS
MODERATE TO HIGH VELOCITY AREAS	ANCHORED STRAW OR HAY (1)	200 POUNDS
STEEP SLOPES GREATER THAN 3:1	JUTE MESH OR EXCELSIOR MAT	AS REQUIRED
	JUTE MESH OR EXCELSIOR MAT	AS REQUIRED

(1) A HYDRO-APPLICATION OF WOOD OR PAPER FIBER MAY BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS SHALL BE USED ON HAY MULCH FOR WIND CONTROL.

## MULCH ANCHORING

MULCH ANCHORING MAY BE ACCOMPLISHED WITH PEG AND TWINE (1 SO. YD/BLOCK); MULCH NETTING (PER MANUFACTURERS SPECIFICATIONS); WOOD CELLULOSE FIBER (750 LBS./ACRE); OR CHEMICAL TACK (PER MANUFACTURERS SPECIFICATIONS).

## EROSION CONTROL NOTES DURING CONSTRUCTION

1. CONSTRUCTION ACTIVITY EXECUTED DURING THE WINTER CONSTRUCTION PERIOD BETWEEN NOVEMBER 1 THROUGH APRIL 15 SHALL BE SUBJECT TO THE FOLLOWING ADDITIONAL REQUIREMENTS.
2. WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
3. EXPOSED AREA SHOULD BE LIMITED TO THAT WHICH CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT.
4. CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED SUCH THAT NO AREA IN EXCESS OF ONE ACRE IS WITHOUT EROSION CONTROL PROTECTION.
5. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AND ADEQUATELY ANCHORED BY AN APPROVED ANCHORING TECHNIQUE.
6. BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1ST, LOAM OR SEED WILL NOT BE PERMITTED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES, THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED.  
  
IF THE DATE IS AFTER NOVEMBER 1ST AND IF THE EXPOSED AREA HAS BEEN LOADED, FINAL GRADED AND IS SMOOTH, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE OF 200 TO 300% HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING FREEZING WEATHER, ALL EXPOSED AREAS SHALL BE CONTINUOUSLY GRADED BEFORE FREEZING AND THE SURFACE TEMPORARILY PROTECTED FROM EROSION BY THE APPLICATION OF MULCH. SLOPES SHALL NOT BE LEFT UNEXPOSED OVER THE WINTER OR ANY OTHER EXTENDED TIME OF WORK SUSPENSION UNLESS TREATED IN THE ABOVE MANNER.  
  
UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF HAY BALE/SAND BAG CHECK DAMS.
7. BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 15TH ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING, ASPHALT EMULSION CHEMICAL, TRACK OR WOOD CELLULOSE FIBER.  
  
MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% , FOR SLOPES EXPOSED TO DIRECT WINDS, AND FOR ALL OTHER SLOPES GREATER THAN 8%.  
  
MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1ST THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.
8. ALL EROSION MITIGATION SHALL BE IN PLACE PRIOR TO ANY SOIL DISTURBANCE ACTIVITIES ON THE SITE.

## DUST CONTROL NOTES DURING CONSTRUCTION

1. DUST SHALL BE CONTROLLED BY THE CONTRACTOR AS NEEDED, OR AS DIRECTED BY THE TOWN OR OWNER BY USING ONE OF THE FOLLOWING TWO METHODS:  

A) WATER THE CONTRACTOR SHALL SPRAY WATER OVER EXPOSED SOIL SURFACES UNTIL MOISTENED AS NEEDED TO CONTROL DUST.

B) CALCIUM CHLORIDE CALCIUM CHLORIDE SHOULD BE EITHER LOOSE DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH A SPREADER AT A RATE THAT WILL KEEP THE SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. CONTRACTOR SHALL NOT USE CALCIUM CHLORIDE ON STEEPER SLOPES (GREATER THAN 3:1) OR IN AREAS THAT WILL DRAIN DIRECTLY TOWARDS THE WETLANDS.
2. SPECIAL CONSIDERATION FOR DUST CONTROL SHALL BE GIVEN AT ALL SITE ACCESS DRIVEWAYS TO MINIMIZE THE AMOUNT OF DUST IN THE STREETS.
3. ALTERNATIVE METHODS FOR DUST CONTROL SUCH AS THE USE OF MULCH OR SPRAY ON ADHESIVES SHALL BE REVIEWED WITH THE PROJECT ENGINEER PRIOR TO THEIR IMPLEMENTATION.

## STORMWATER MANAGEMENT SYSTEM OPERATION AND MAINTENANCE PLAN

### NAME AND CURRENT ADDRESS OF THE APPLICANT/OWNER

RAW SEAFOODS  
481 CURRANT ROAD  
FALL RIVER, MASSACHUSETTS 02720

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSPECTION AND MAINTENANCE OF ALL STORMWATER MANAGEMENT FACILITIES UNTIL SUCH TIME AS THE STORMWATER MANAGEMENT SYSTEM IS ACCEPTED BY THE OWNER. THEREAFTER THE OWNER SHALL BE RESPONSIBLE FOR THE PROPER INSPECTION AND MAINTENANCE OF THE STORMWATER FACILITIES IN ACCORDANCE WITH THIS OPERATION AND MAINTENANCE PLAN AS WELL AS THE CONTINUING CONDITIONS OF THE CERTIFICATE OF COMPLIANCE ON THE PROPERTY.
2. ALL STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) INCLUDING SHOULD BE INSPECTED AFTER EVERY MAJOR RAINFALL EVENT EXCEEDING 1.0-INCH FOR THE FIRST 6 MONTHS AFTER CONSTRUCTION TO ENSURE PROPER STABILIZATION AND CONSTRUCTION.
3. THEREAFTER, REGULAR BMP INSPECTIONS SHOULD BE CONDUCTED ACCORDING TO THE FOLLOWING SCHEDULE:

BMP STRUCTURE	INSPECTIONS PER YEAR
DEEP SUMP CATCH BASINS	4
WET BASIN	2
EXTENDED DETENTION/INFILTRATION BASIN	2
WATER QUALITY INLET	PER MANUFACTURER'S SPECIFICATIONS

4. THE OWNER SHALL MAINTAIN AND SUBMIT TO THE CONSERVATION COMMISSION UPON REQUEST A BMP INSPECTION REPORT FOLLOWING EACH SITE INSPECTION AS RECOMMENDED ABOVE. THE BMP INSPECTION REPORT SHALL IDENTIFY THE DATE OF INSPECTION, THE NAME AND CONTACT NUMBER OF THE RESPONSIBLE PARTY, SPECIFIC STRUCTURES INSPECTED, SPECIFIC MAINTENANCE REQUIRED AND OBSERVATIONS AT A MINIMUM, INSPECTION REPORTS SHOULD ADDRESS THE FOLLOWING CONDITIONS WHERE APPLICABLE:

1. EMBANKMENT SUBSIDENCE
2. EROSION
3. CRACKING OF CONTAINMENT BERM
4. INLET/OUTLET CONDITIONS
5. SEDIMENT ACCUMULATIONS
6. SLOPE STABILITY

5. ACCUMULATED SILT AND SEDIMENT SHOULD BE REMOVED FOUR TIMES A YEAR FOR SEDIMENT FOREBAYS OR MORE FREQUENTLY IF ACCUMULATED DEPTH OF SEDIMENT EXCEEDS SIX INCHES AT THE PROPOSED STONE CHECK DAMS. ACCUMULATED SILT AND SEDIMENT SHOULD BE REMOVED AT LEAST ONCE A YEAR FOR DEEP SUMP CATCH BASINS OR MORE FREQUENTLY IF ACCUMULATED DEPTH OF SEDIMENT EXCEEDS SIX INCHES.

6. ALL REMOVED SEDIMENTS ARE TO BE PROPERLY DISPOSED OF AT A LOCATION TO BE APPROVED BY THE BOARD OF HEALTH, TRANSPORTATION AND DISPOSAL OF SEDIMENTS SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

7. THE DRIVEWAY AND PARKING AREAS SHALL BE SWEEPED AT LEAST TWICE PER YEAR.

8. THE EXTENDED DETENTION/INFILTRATION BASINS, SEDIMENT FOREBAYS AND ALL LANDSCAPED AREAS SHOULD BE INSPECTED FOR TRASH ON A MONTHLY BASIS. ANY ACCUMULATED TRASH, LITTER AND DISCARDED MATERIALS SHALL BE REMOVED.

9. SNOW WILL BE STOCKPILED WITHIN AND AROUND AREAS WHICH DRAIN INTO THE STORMWATER MANAGEMENT SYSTEM WHENEVER PRACTICABLE. CATCH BASIN GRATES WILL BE CLEANED OF SNOW AND ICE AFTER ALL SNOWFALL EVENTS. DISCHARGE OF SNOW DIRECTLY INTO THE SEDIMENT FOREBAYS, DETENTION BASINS, OR WET BASINS SHALL BE PROHIBITED.

10. NO DISPOSAL OF MATERIALS WILL BE PERMITTED WITHIN THE ANY OF THE STORMWATER MANAGEMENT SYSTEM BMP'S. THIS PROHIBITION APPLIES TO TRASH, FILL MATERIAL, CONSTRUCTION DEBRIS, GRASS CLIPPINGS, COLLECTED LEAVES, AND CUT BRANCHES.

11. THE EMBANKMENTS, SIDE SLOPES, AND BOTTOM AREAS OF THE SEDIMENT FOREBAYS AND EXTENDED DETENTION/INFILTRATION BASIN AREAS SHALL BE MOWED AT LEAST TWICE ANNUALLY TO FACILITATE MAINTENANCE OF THE BASINS.

12. AN OPERATION AND MAINTENANCE INSPECTION FORM SHALL BE DEVELOPED AND COPIES OF THE COMPLETED FORMS SHALL BE COMPILED BY THE OWNER. THESE FORMS SHALL BE AVAILABLE FOR REVIEW BY THE CONSERVATION COMMISSION UPON REQUEST.

13. THE OWNER SHALL CONTRACT WITH A MAINTENANCE COMPANY ON AN ANNUAL BASIS THAT WILL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE STORMWATER MANAGEMENT SYSTEM. THE CONTACT INFORMATION FOR THIS COMPANY SHALL BE PROVIDED TO THE CONSERVATION COMMISSION FOR THEIR FILES.

14. THE STORM WATER BMP'S WILL BE INSPECTED ANNUALLY DURING REGULARLY SCHEDULED MID-SUMMER LANDSCAPING AND WEEDING OPERATIONS FOR INVASIVE OR UNWANTED PLANTS. IF INVASIVE SPECIES ARE FOUND, THEY WILL BE PHYSICALLY UPROOTED AND REMOVED FROM THE AREA.

## INVASIVE SPECIES CONTROL PLAN (ISCP)

1. THE OWNER WILL MONITOR THE EXTENDED DETENTION/INFILTRATION BASINS, WET BASIN AND SEDIMENT FOREBAYS PURSUANT TO THE RECOMMENDATIONS OUTLINED IN THE USAGE DOCUMENT TITLED "NEW ENGLAND DISTRICT COMPENSATORY MITIGATION GUIDANCE" DOCUMENT, PAGES 24-26 SECTION 4.F. INVASIVE SPECIES. DUE TO THE PROXIMITY OF THE BMP'S TO THE EXISTING BORDERING VEGETATED WETLAND, THE APPLICANT HAS CHOSEN A MECHANICAL CONTROL METHOD OF REMOVAL. INVASIVE SPECIES WILL BE REMOVED BY HAND (PULLING, MOWING OR EXCAVATING ON-SITE). NO CHEMICAL CONTROL WILL BE UTILIZED.
2. SPECIAL ATTENTION WILL BE GIVEN TO ASSURE THAT NONE OF THE FOLLOWING INVASIVE SPECIES POPULATE THE STORM WATER BMP'S: COMMON REED (PHRAGMITES AUSTRALIS), PURPLE LOOSESTRIPE (LYTHRUM SALICARIA), SMOOTH AND COMMON BUCKTHORN (FRAXGULA ALNUS, RHAMNUS CATHARTICA), RUSSIAN AND AUTUMN OLIVES (ELAEAGNUS ANGUSTIFOLIA AND E. UMBELLATA), MULTIFLORA ROSE (ROSA MULTIFLORA), REED CANARY-GRASS (PHALARIS ARUNDINACEA), AND JAPANESE KNOTWEED (FALLOPIA JAPONICA).

## SOIL OBSERVATION LOG

DATE: 10/19/15  
SOIL EVALUATOR: JON C. CONNELL

### TEST PIT #1

TOP ELEVATION: 83.5±

DEPTH	SOIL TYPE	DEPTH	SOIL TYPE
0'-5"	D ORGANIC/LEAF LITTER ELEV. 83.1±	0'-5"	D ORGANIC/LEAF LITTER ELEV. 83.0±
5'-8"	A SANDY LOAM 10 YR 2/2 ELEV. 82.8±	5'-8"	A SANDY LOAM 10 YR 2/2 ELEV. 82.7±
8'-13"	B <sub>1</sub> SANDY LOAM 2.5 Y 6/2 ELEV. 82.4±	8'-11"	B <sub>1</sub> SANDY LOAM 2.5 Y 6/2 ELEV. 82.5±
13'-22"	B <sub>2</sub> SANDY LOAM 10 YR 5/6 ELEV. 81.6±	11'-20"	B <sub>2</sub> SANDY LOAM 10 YR 5/6 ELEV. 81.7±
22'-33"	C <sub>1</sub> LOAMY SAND GRAVELLY, FIRM 2.5 Y 5/5 ELEV. 80.8±	20'-30"	C <sub>1</sub> LOAMY SAND GRAVELLY, FIRM 2.5 Y 5/5 ELEV. 80.9±
33'-72"	C <sub>2</sub> LOAMY SAND MED.-COARSE, GRAVELLY 2.5 Y 5/4 ELEV. 77.±	30'-80"	C <sub>2</sub> LOAMY SAND MED.-COARSE, GRAVELLY 2.5 Y 5/4 ELEV. 76.7±

OBSERVED DEPTH TO WEEPING -- N/E  
ESTIMATED DEPTH TO SEASONAL HIGH GROUNDWATER -- 30" (MOTTLE DEPTH @ ELEV. 81.0±)

## SOIL OBSERVATION LOG

DATE: 10/19/15  
SOIL EVALUATOR: JON C. CONNELL

### TEST PIT #2

TOP ELEVATION: 83.4±

DEPTH	SOIL TYPE	DEPTH	SOIL TYPE
0'-5"	D ORGANIC/LEAF LITTER ELEV. 83.1±	0'-5"	D ORGANIC/LEAF LITTER ELEV. 83.0±
5'-8"	A SANDY LOAM 10 YR 2/2 ELEV. 82.8±	5'-8"	A SANDY LOAM 10 YR 2/2 ELEV. 82.7±
8'-13"	B <sub>1</sub> SANDY LOAM 2.5 Y 6/2 ELEV. 82.4±	8'-11"	B <sub>1</sub> SANDY LOAM 2.5 Y 6/2 ELEV. 82.5±
13'-22"	B <sub>2</sub> SANDY LOAM 10 YR 5/6 ELEV. 81.6±	11'-20"	B <sub>2</sub> SANDY LOAM 10 YR 5/6 ELEV. 81.7±
22'-33"	C <sub>1</sub> LOAMY SAND GRAVELLY, FIRM 2.5 Y 5/5 ELEV. 80.8±	20'-30"	C <sub>1</sub> LOAMY SAND GRAVELLY, FIRM 2.5 Y 5/5 ELEV. 80.9±
33'-72"	C <sub>2</sub> LOAMY SAND MED.-COARSE, GRAVELLY 2.5 Y 5/4 ELEV. 77.±	30'-80"	C <sub>2</sub> LOAMY SAND MED.-COARSE, GRAVELLY 2.5 Y 5/4 ELEV. 76.7±

OBSERVED DEPTH TO WEEPING -- N/E  
ESTIMATED DEPTH TO SEASONAL HIGH GROUNDWATER -- 33" (MOTTLE DEPTH @ ELEV. 80.6±)

## SOIL OBSERVATION LOG

DATE: 10/19/15  
SOIL EVALUATOR: JON C. CONNELL

### TEST PIT #3

TOP ELEVATION: 82.3±

DEPTH	SOIL TYPE	DEPTH	SOIL TYPE
0'-4"	D ORGANIC/LEAF LITTER ELEV. 82.0±	0'-2"	D ORGANIC/LEAF LITTER ELEV. 82.1±
4'-7"	A SANDY LOAM 10 YR 2/2 ELEV. 81.7±	2'-4"	A SANDY LOAM 10 YR 2/2 ELEV. 82.0±
7'-16"	B SANDY LOAM 10 YR 5/6 ELEV. 80.8±	4'-18"	B SANDY LOAM 10 YR 5/6 ELEV. 80.8±
16'-28"	C <sub>1</sub> LOAMY SAND GRAVELLY, FIRM 2.5 Y 5/5 ELEV. 80.0±	18'-34"	C <sub>1</sub> LOAMY SAND FIRM 2.5 Y 5/5 ELEV. 79.5±
28'-80"	C <sub>2</sub> LOAMY SAND MED.-COARSE, GRAVELLY 2.5 Y 5/4 ELEV. 75.8±	34'-83"	C <sub>2</sub> LOAMY SAND MED. 2.5 Y 5/4 ELEV. 75.4±

OBSERVED DEPTH TO WEEPING -- 78"  
ESTIMATED DEPTH TO SEASONAL HIGH GROUNDWATER -- 40" (MOTTLE DEPTH @ ELEV. 79.0±)

## SOIL OBSERVATION LOG

DATE: 10/19/15  
SOIL EVALUATOR: JON C. CONNELL

### TEST PIT #4

TOP ELEVATION: 82.3±

0"-2"	0	ORGANIC/LEAF LITTER ELEV. 82.1±
2"-4"	A	SANDY LOAM 10 YR 2/2 ELEV. 82.0±
4"-18"	B	SANDY LOAM 10 YR 5/6 ELEV. 80.8±
18"-34"	C <sub>1</sub>	LOAMY SAND FIRM 2.5 Y 5/5 ELEV. 79.5±
34"-83"	C <sub>2</sub>	LOAMY SAND MED. 2.5 Y 5/4 ELEV. 75.4±



Issued For

PERMITTING

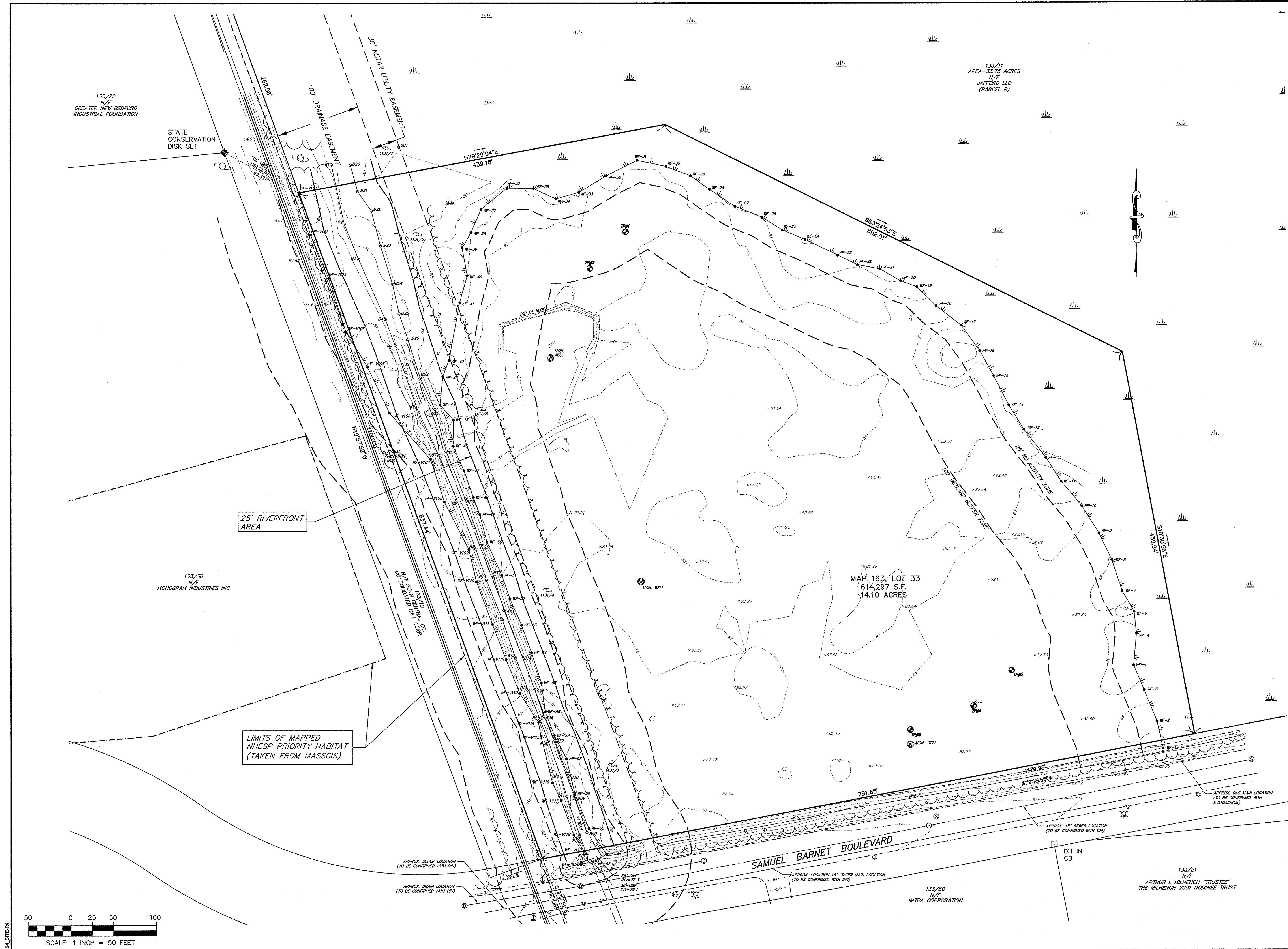


SAMUEL BARNET BOULEVARD  
NEW BEDFORD, MASSACHUSETTS

## EXISTING CONDITIONS

Sheet  
3 OF 12

# EC-1



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  
77,00 S.F. x 1 SPACE / 5,000 S.F. = 15 SPACES  
1 SPACE FOR EACH VEHICLE UTILIZED IN THE BUSINESS = 10 SPACES ±

PARKING PROVIDED: 27 VEHICULAR PARKING SPACES  
8 LOADING SPACES  
35 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)

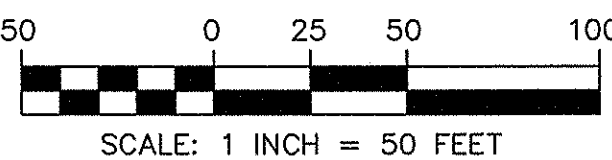
25' RIVERFRONT AREA

133/36  
N/F  
MONOGRAM INDUSTRIES INC.

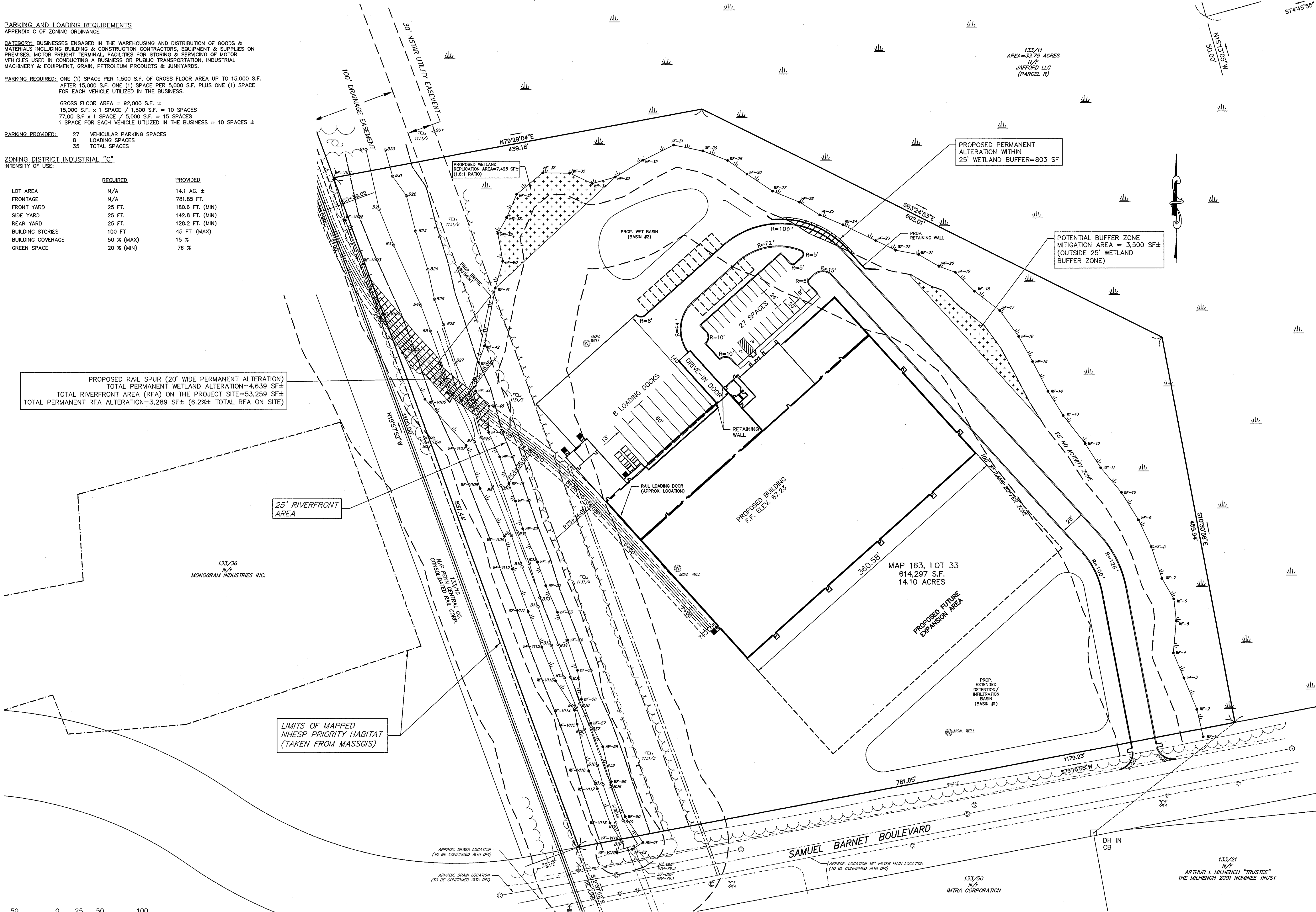
LIMITS OF MAPPED  
NHESP PRIORITY HABITAT  
(TAKEN FROM MASSGIS)

APPROX. SEWER LOCATION  
(TO BE CONFIRMED WITH DPI)

APPROX. DRAIN LOCATION  
(TO BE CONFIRMED WITH DPI)



2064 SITE-R4



FIELD  
ENGINEERING  
CO., INC.  
CONSULTING ENGINEERS

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

THE CROCKER BUILDING  
4 COURT STREET SUITE 104  
TAUNTON, MA 02780  
TEL: (508) 824-9279  
FAX: (508) 824-9276

Revisions

No.	Description	Date	Appvd.
1	REVISED FOR NOI FILING	10/22/15	RRR

Date  
10/8/15

Scale  
1"=50'

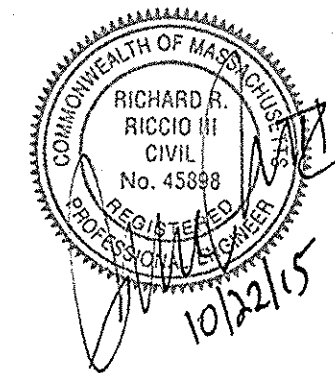
Drawn By  
RMS

Designed By  
JCC/RRR

Checked By  
RRR

Issued For

PERMITTING



PROPOSED SITE DEVELOPMENT  
RAW SEAFOODS

SAMUEL BARNET BOULEVARD  
NEW BEDFORD, MASSACHUSETTS

Drawing Title

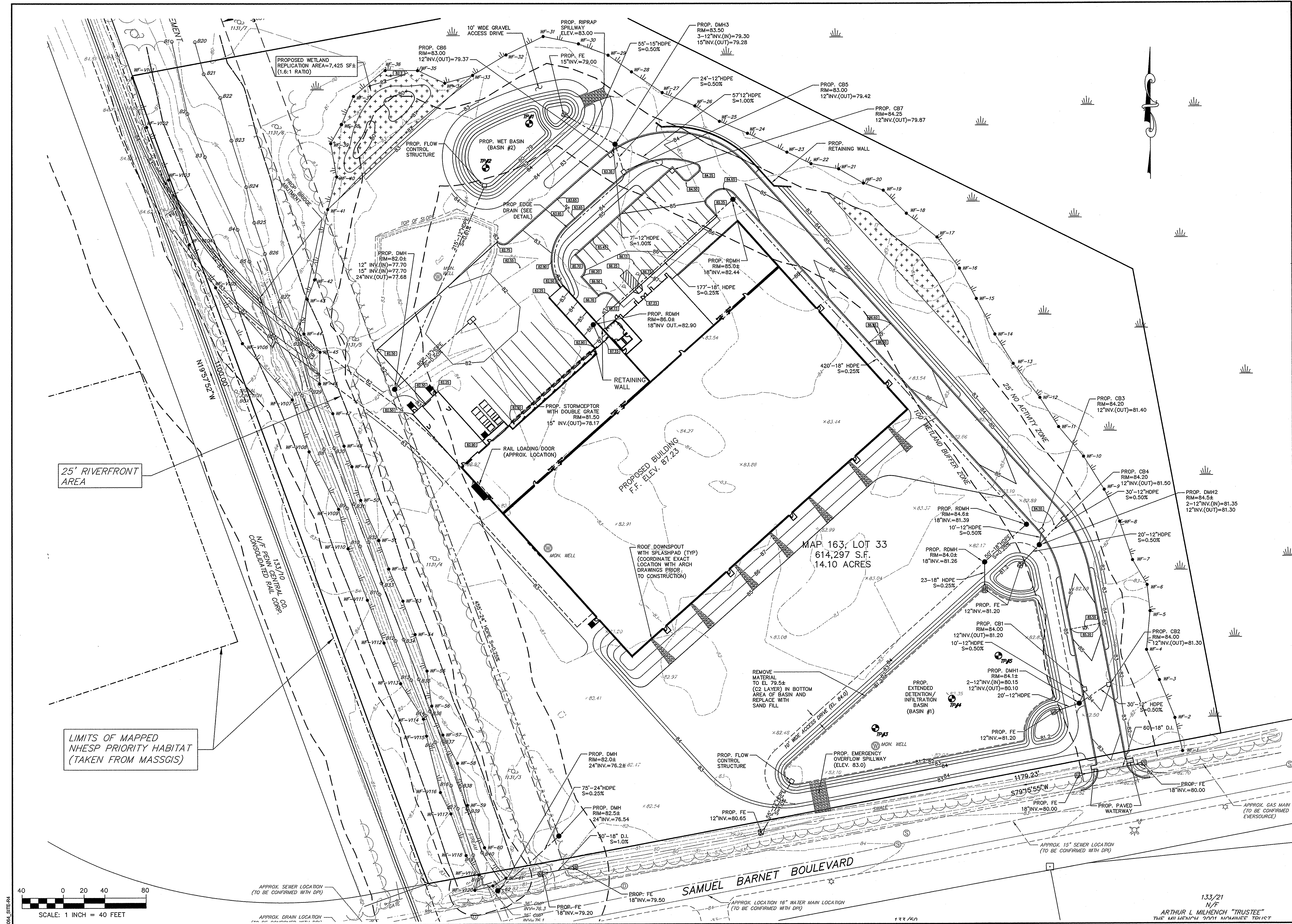
SITE  
LAYOUT

Project No.  
2064

Sheet  
4 OF 12

SL-1





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

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

THE CROCKER BUILDING  
4 COURT STREET SUITE 104  
TAUNTON, MA 02780  
TEL: (508) 824-2770  
FAX: (508) 824-9276

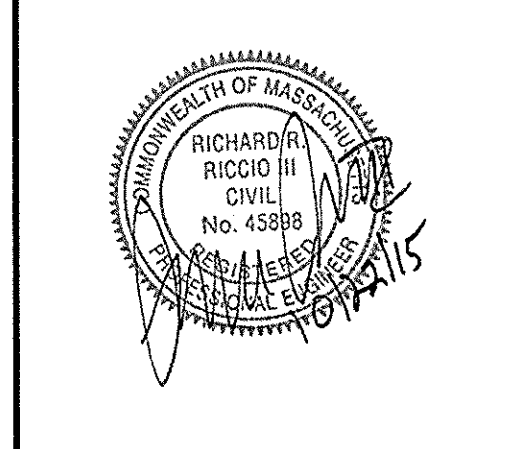
Revisions			
No.	Description	Date	Appr.
1	REVISED FOR NOI FILING	10/22/15	RRR

Date: 10/8/15

Scale: 1"=40'

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

Issued For: **PERMITTING**



**PROPOSED SITE DEVELOPMENT  
RAW SEAFOODS**

**SAMUEL BARNET BOULEVARD  
NEW BEDFORD, MASSACHUSETTS**

Drawing Title: **SITE GRADING & DRAINAGE**

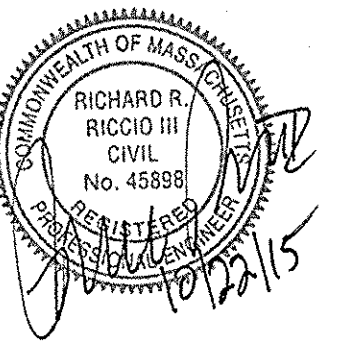
Project No.: 2064  
Sheet: 5 OF 12

**SGD-1**



Issued For

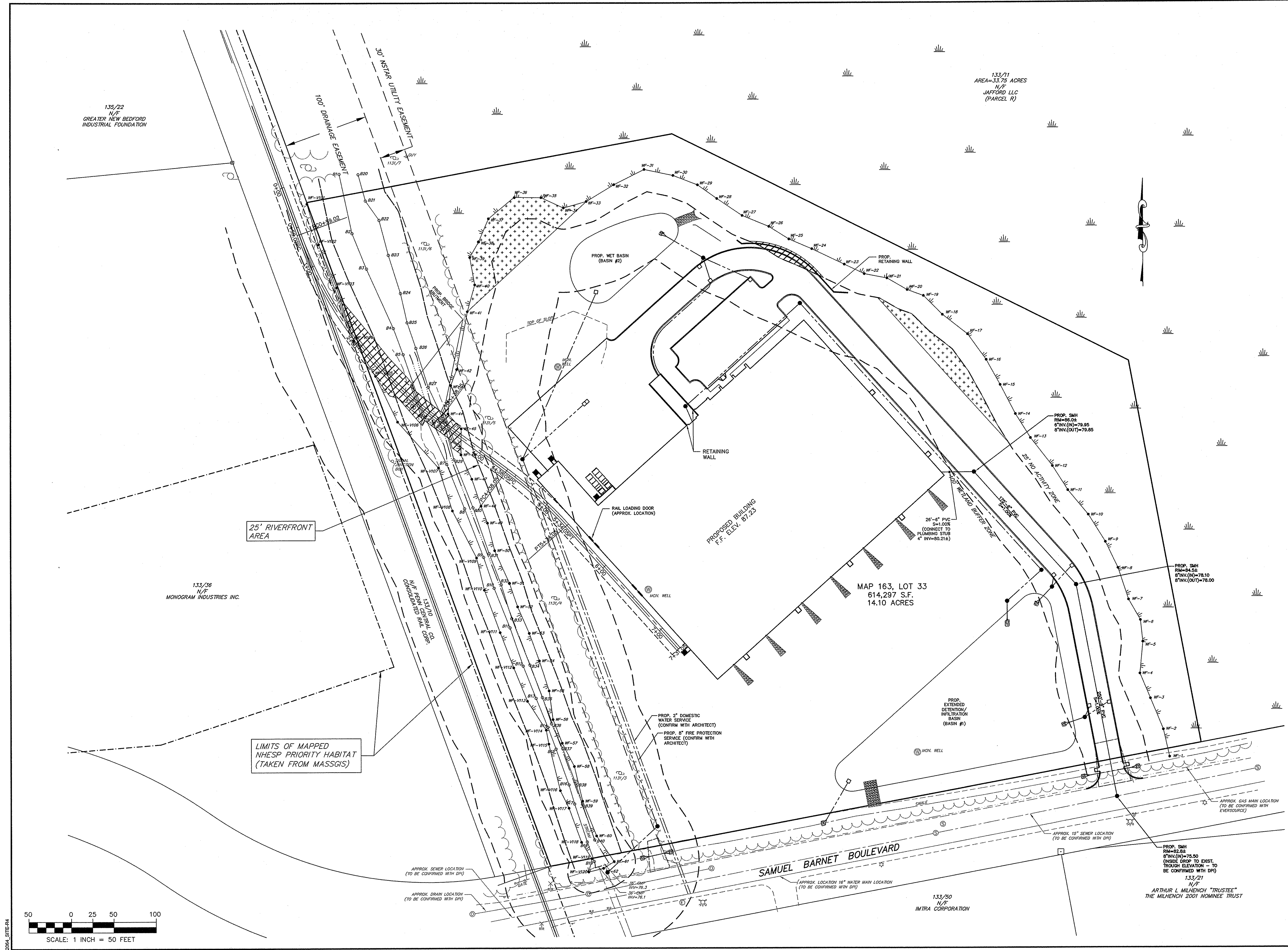
PERMITTING



SAMUEL BARNEI BOULEVARD  
NEW BEDFORD, MASSACHUSETTS

Project No.	Sheet
2064	6 OF 12

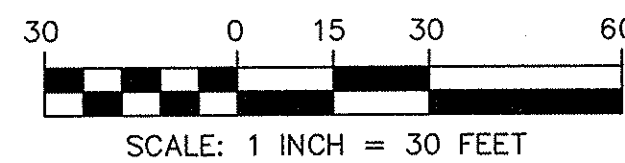
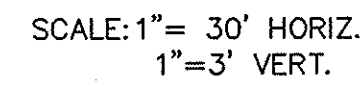
SU-1



Issued For

SAMUEL BARNET BOULEVARD  
NEW BEDFORD, MASSACHUSETTS

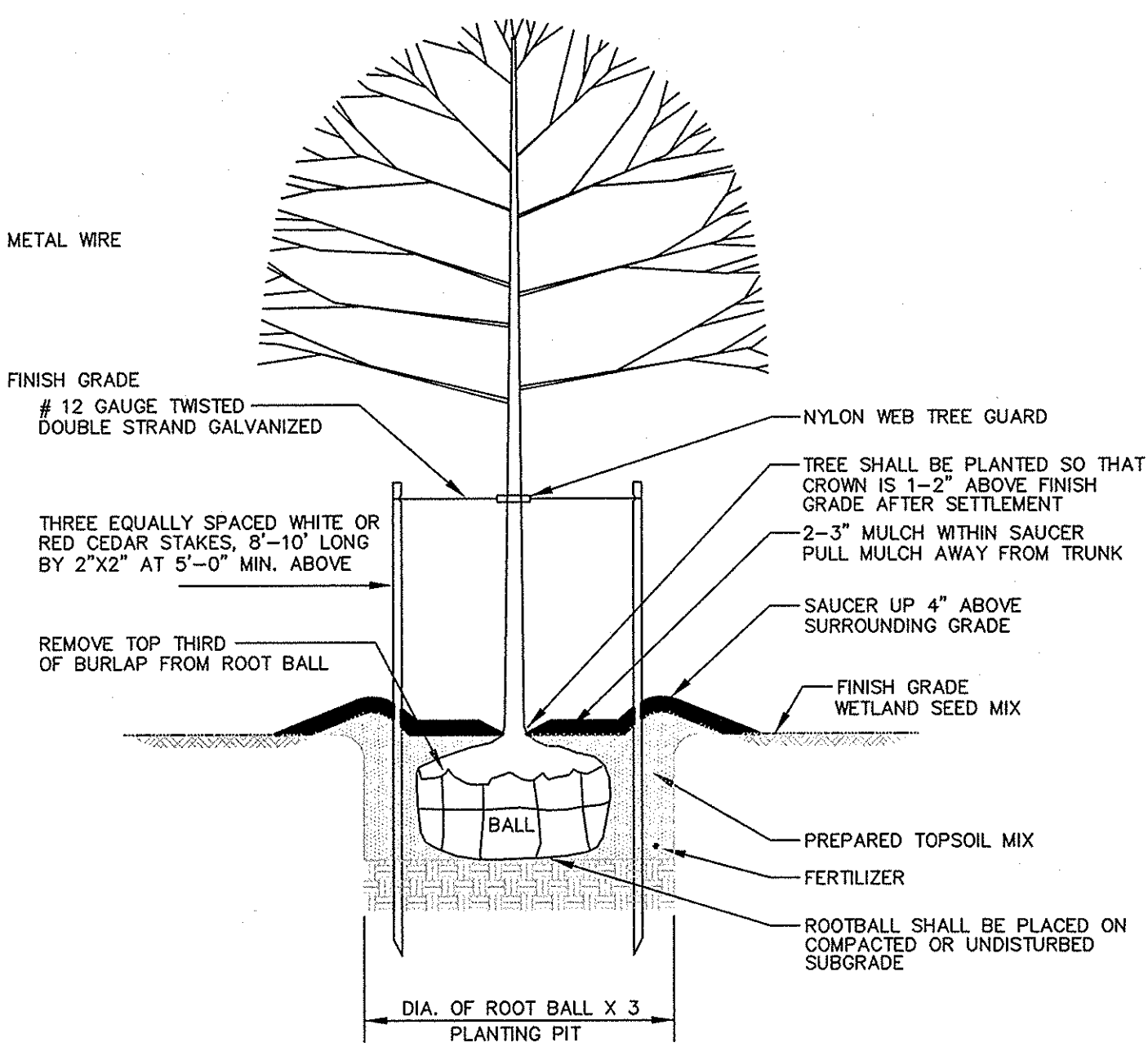
PP-1





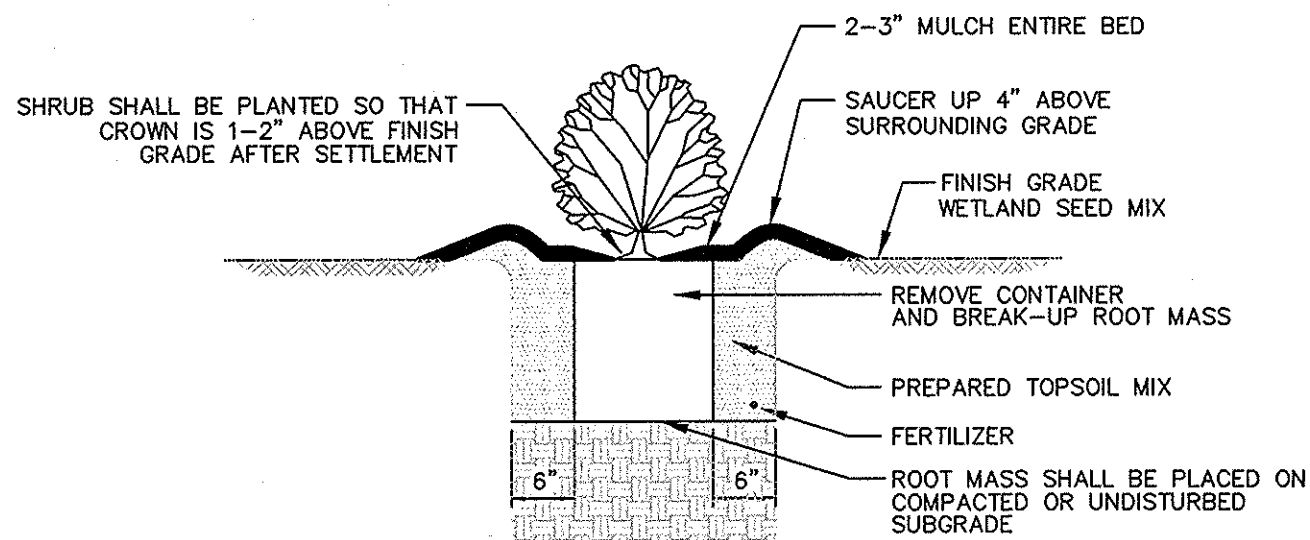
PLANTING NOTES

1. PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED; INCLUDING ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, INCIDENTALS, AND CLEAN-UP.
2. 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.
3. 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.
4. CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL TO THE OWNER.
5. 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.
6. 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.
7. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH ANSI 280 (REV. 1980) "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
8. 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.
9. FERTILIZER FOR WOODY PLANTS SHALL BE SLOW RELEASE, PELLETIZED AND SUITABLE FOR RELEASE UNDER SATURATED SOIL CONDITIONS. FERTILIZER SHALL BE OSMOCOTE 18-5-11, 12-14 MONTH RELEASE OR EQUAL.
10. 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.
11. 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 "MILT-PRUV" OR EQUAL AS PER MANUFACTURER'S INSTRUCTIONS.
12. NO PLANT, EXCEPT GROUND COVERS, SHALL BE PLANTED LESS THAN TWO FEET FROM EXISTING STRUCTURES AND SIDEWALKS.
13. SET ALL PLANTS PLUMB AND STRAIGHT. LOCATE PLANT IN THE CENTER OF THE PIT.
14. ALL DEADWOOD, SUCKERS, OR BROKEN OR BADLY BRUISED BRANCHES SHALL BE REMOVED. CONTAINER GROWN PLANTS SHALL NOT BE THINNED.
15. 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.
16. NEW PLANTING AREAS SHALL BE ADEQUATELY IRRIGATED OR WATERED TO ESTABLISH THE PROPOSED PLANTS AND SEED AREAS.
17. 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.
18. 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-SEEDING. 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.
19. THE CONSERVATION COMMISSION AGENT SHALL INSPECT AND APPROVE THE SUBGRADE, EXCAVATION OF THE CONSTRUCTED WETLAND AREA PRIOR TO BACKFILLING WITH THE ORGANIC TOPSOIL FILL.
20. THE CONSERVATION COMMISSION AGENT SHALL INSPECT AND APPROVE THE ORGANIC TOPSOIL FILL PRIOR TO PLACEMENT WITHIN THE CONSTRUCTED WETLAND.
21. ANY PORTION OF THE REPLICATION WORK NOT MEETING THE APPROVED STANDARDS OR REQUIREMENTS OF THE TOWN CONSERVATION COMMISSION SHALL BE PROMPTLY REMOVED FROM THE WORK AT NO COST/EXPENSE TO THE OWNER.
22. 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.



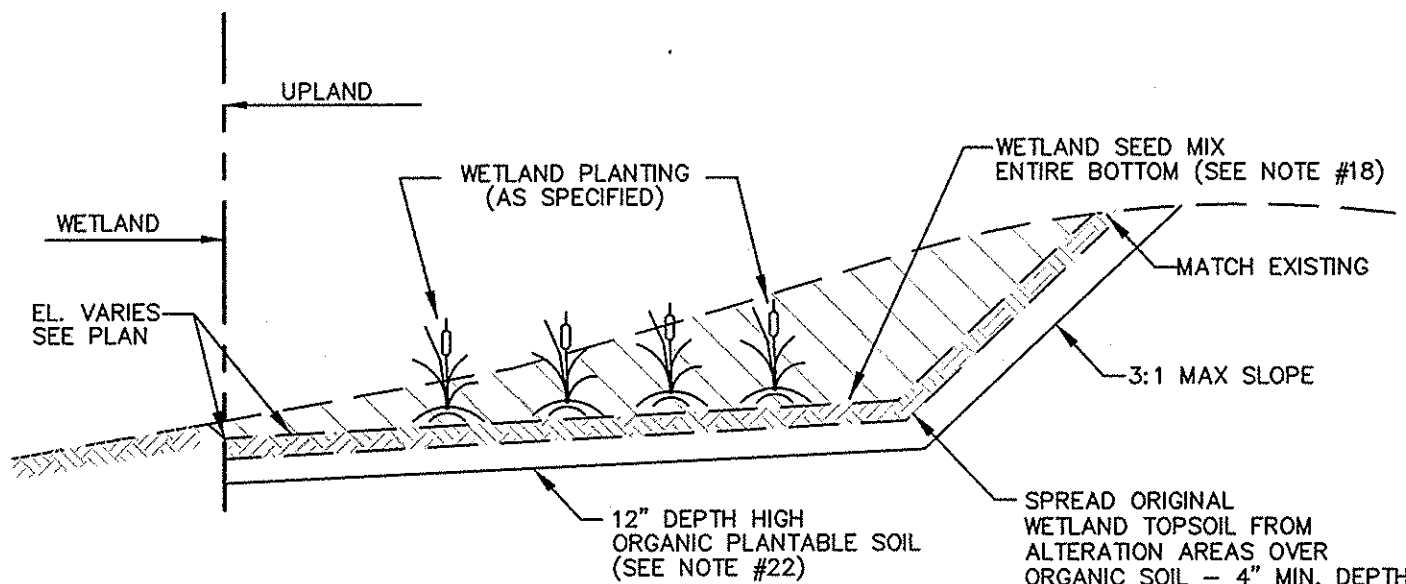
- 1.) PREPARED TOPSOIL MIX SHALL CONSIST OF HIGH ORGANIC SOIL WITH NO LESS THAN 10% ORGANIC MATTER.
- 2.) ALL PLANTS SHALL BE FLOODED WITH WATER TWICE WITHIN THE FIRST TWENTY-FOUR HOUR PERIOD AFTER PLANTING.

TREE PLANTING DETAIL  
NOT TO SCALE



- 1.) PREPARED TOPSOIL MIX SHALL CONSIST OF HIGH ORGANIC SOIL WITH NO LESS THAN 10% ORGANIC MATTER.
- 2.) 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

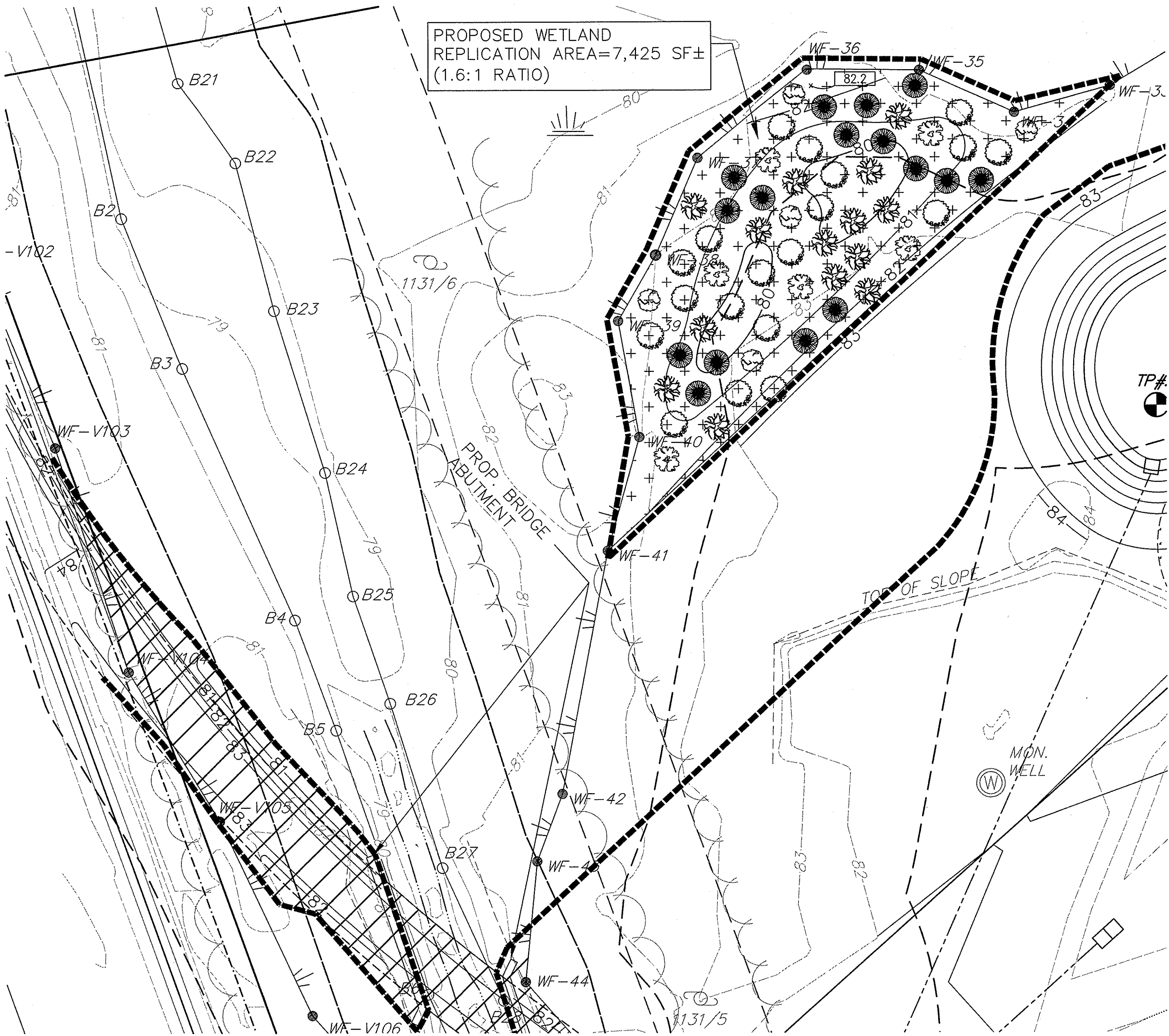
WETLAND REPLICATION AREA GENERAL NOTES

1. 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.
2. THE BVW REPLICATION AREA HAS BEEN DESIGNED IN ACCORDANCE WITH 310 CMR 10.55(4)(b) AND THE MASSDEP "MASSACHUSETTS INLAND WETLAND REPLICATION GUIDELINES".
3. A QUALIFIED WETLAND SCIENTIST WILL SUPERVISE ALL WORK AND WILL INSPECT AND APPROVE ALL IMPORTED 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.
4. THE WETLAND REPLICATION AREA SHALL BE MONITORED ON AN ONGOING BASIS FOR A PERIOD OF TWO COMPLETE GROWING SEASONS BY A QUALIFIED WETLAND SCIENTIST. WRITTEN REPORTS SHALL BE SUBMITTED TWICE PER YEAR TO THE DARTMOUTH CONSERVATION COMMISSION IN JUNE AND OCTOBER.
5. 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.

WETLAND REPLICATION AREA CONSTRUCTION NOTES

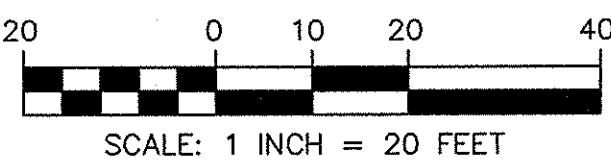
1. THE REPLICATION AREA SHALL BE GRUBBED AND INITIALLY EXCAVATED TO A DEPTH APPROXIMATELY 12-INCHES BELOW THE FINAL DESIGN GRADE ELEVATIONS DEPICTED ON THESE DRAWINGS TO ALLOW FOR PLACEMENT OF WETLAND TOPSOIL AND CONSTRUCTION OF MICRO-TOPOGRAPHY. MICRO-TOPOGRAPHY ("PITS AND MOUNDS") SHALL THEN BE ESTABLISHED WITHIN THE SUB-GRADE USING CONTINUOUS ROUGH GRADING. THE MICRO-TOPOGRAPHY WORK SHALL OCCUR UNDER THE DIRECT SUPERVISION OF THE WETLAND SCIENTIST. ROUGHLY 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 WETLAND. THESE ROCKS AND BOULDERS SHALL BE PLACED IN SUCH A WAY AS TO PROVIDE CREVICES AND CAVITIES SUITABLE FOR USE BY WILDLIFE.
2. 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 HYDRIC 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 FRIABLE 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.
3. 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.
4. 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.

PROPOSED WETLAND  
REPLICATION AREA=7,425 SF±  
(1.6:1 RATIO)

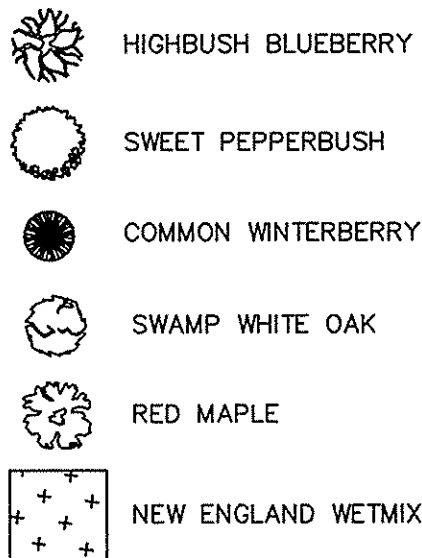


PROPOSED PLANT LIST - WETLAND REPLICATION AREA

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
-	-	Deschampa 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	Bonaset	-	-	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 anifolia	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



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

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

THE CROCKER BUILDING  
4 COURT STREET SUITE 104  
TAUNTON, MA 02780  
TEL: (508) 824-9275  
FAX: (508) 824-9276

Revisions

No.	Description	Date	Appvd.
1	REVISED FOR NOI FILING	10/22/15	RRR

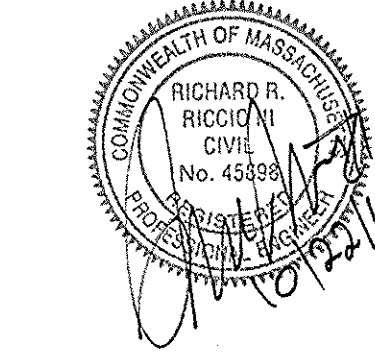
10/8/15

Scale 1"=20'

Drawn By RMS Designed By JCC/RRR Checked By RRR

Issued For

PERMITTING



PROPOSED SITE DEVELOPMENT  
RAW SEAFOODS

Drawing Title

WETLAND REPLICATION

Project No. 2064

Sheet 8 OF 12

REP-1

SAMUEL BARNET BOULEVARD  
NEW BEDFORD, MASSACHUSETTS



Revisions			
No.	Description	Date	App'd.
1	REVISED FOR NOI FILING	10/22/15	RRR

Date  
10/8/15

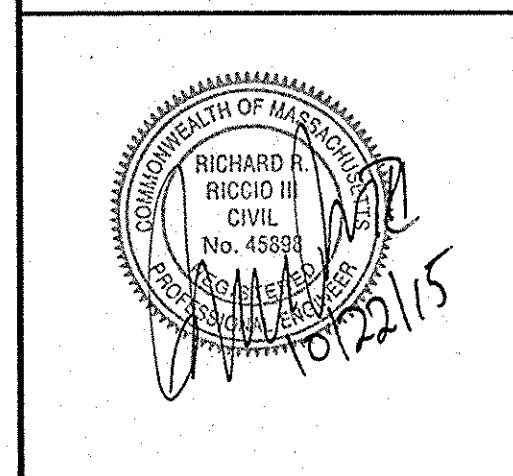
Scale  
1"=40'

Drawn By  
RMS

Designed By  
JCC/RRR

Checked By  
RRR

Issued For  
**PERMITTING**



**PROPOSED SITE DEVELOPMENT**  
**RAW SEAFOODS**

**PROPOSED SITE DEVELOPMENT**  
**RAW SEAFOODS**

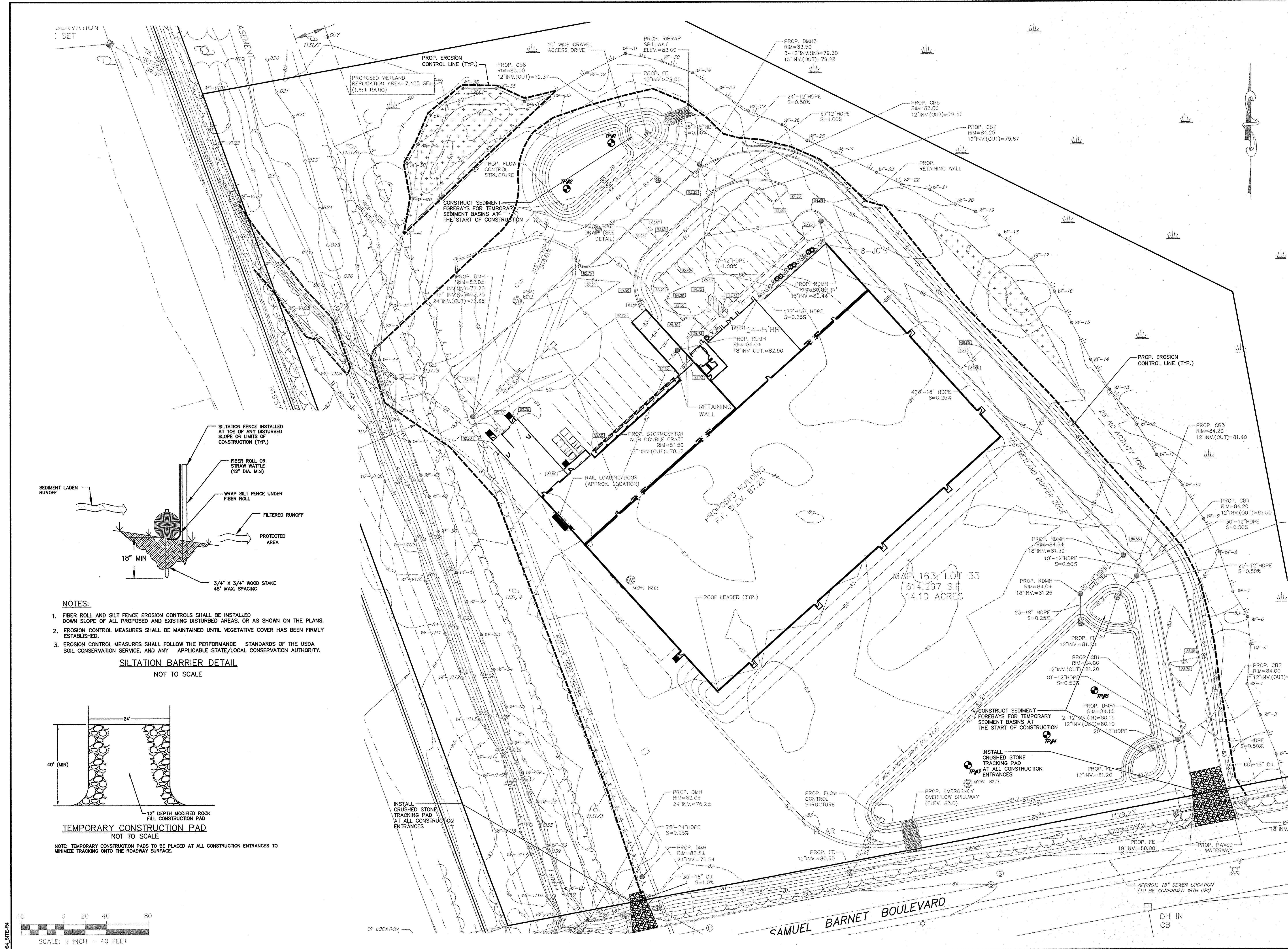
**PROPOSED SITE DEVELOPMENT**  
**RAW SEAFOODS**

Drawing Title  
**EROSION CONTROL**

Project No.  
2064

Sheet  
9 OF 12

**EROS-1**





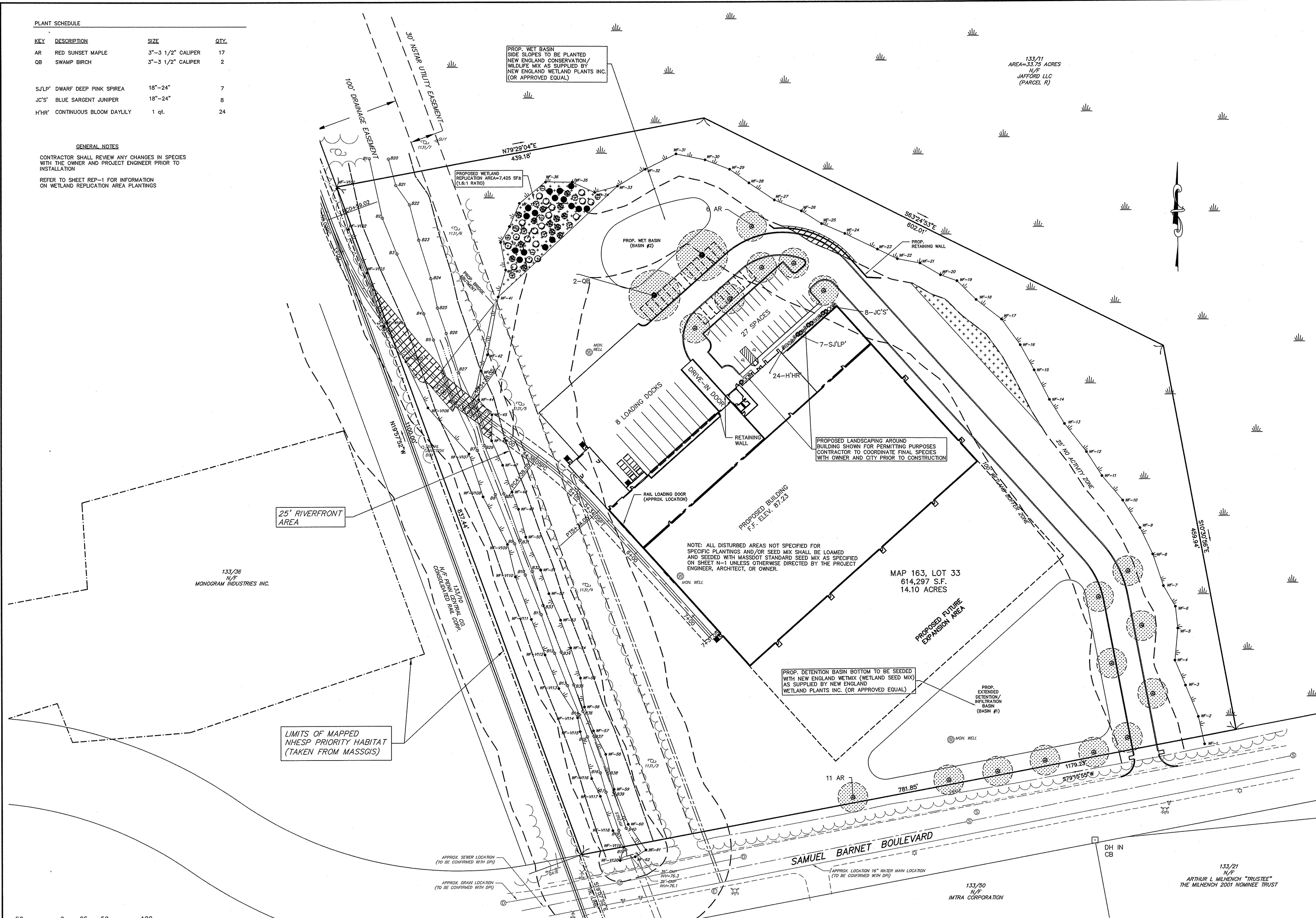
PLANT SCHEDULE

KEY	DESCRIPTION	SIZE	QTY.
AR	RED SUNSET MAPLE	3"-3 1/2" CALIPER	17
QB	SWAMP BIRCH	3"-3 1/2" CALIPER	2
SJLP	DWARF DEEP PINK SPIREA	18"-24"	7
JCS	BLUE SARGENT JUNIPER	18"-24"	8
HHR	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

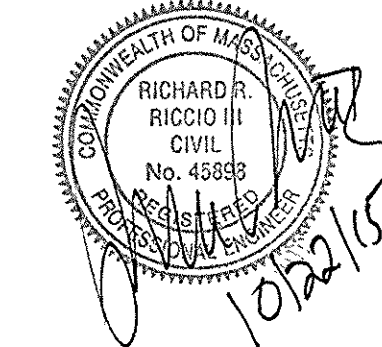


**FIELD ENGINEERING CO., INC.**  
CONSULTING ENGINEERS

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

THE CROCKER BUILDING  
4 COURT STREET SUITE 104  
TAUNTON, MA 02780  
TEL: (508) 824-9279  
FAX: (508) 824-9276

Revisions			
</			



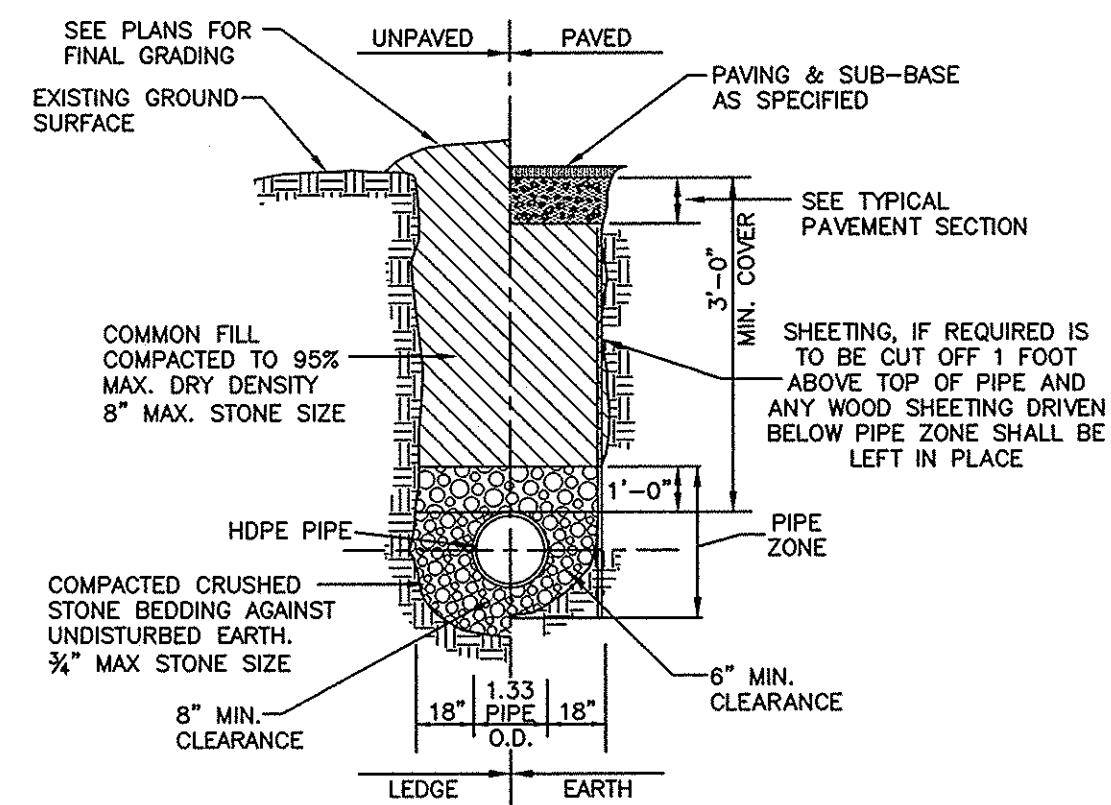
PROPOSED SITE DEVELOPMENT  
RAW SEAFOODS

SAMUEL BARNET BOULEVARD  
NEW BEDFORD, MASSACHUSETTS

Drawing Title	
SITE LANDSCAPING	
Project No.	Sheet
2064	10 OF 12

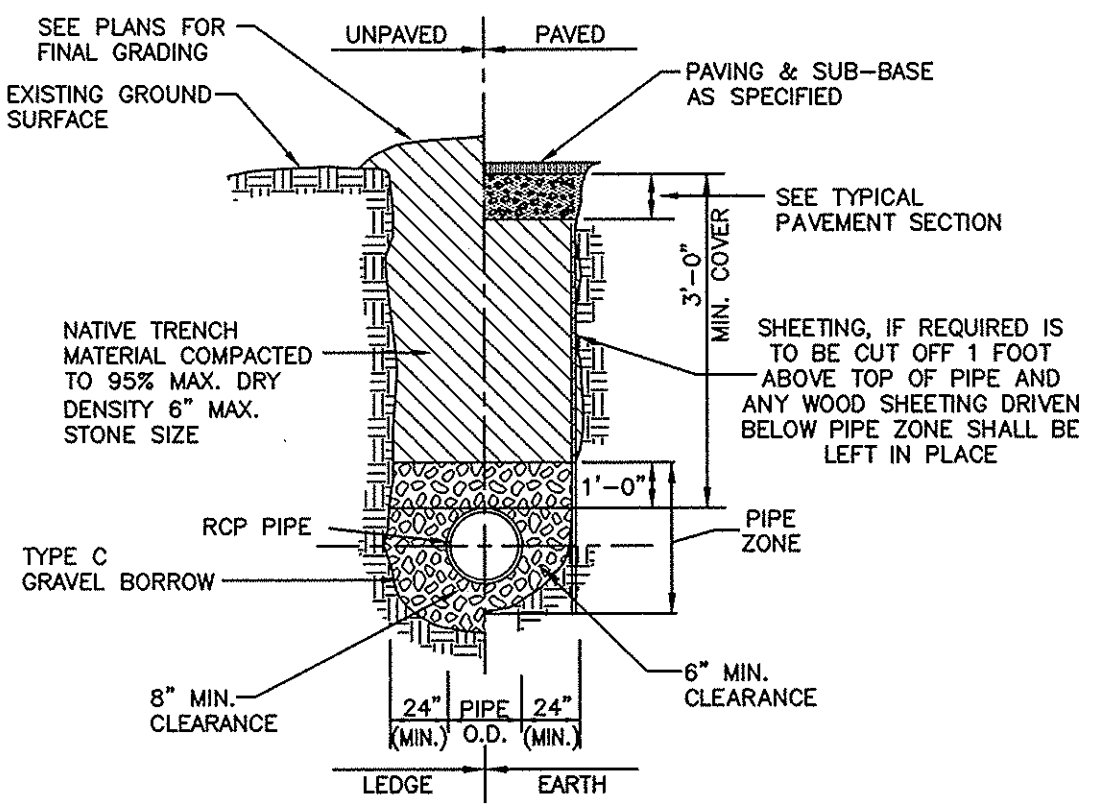
LAND-1





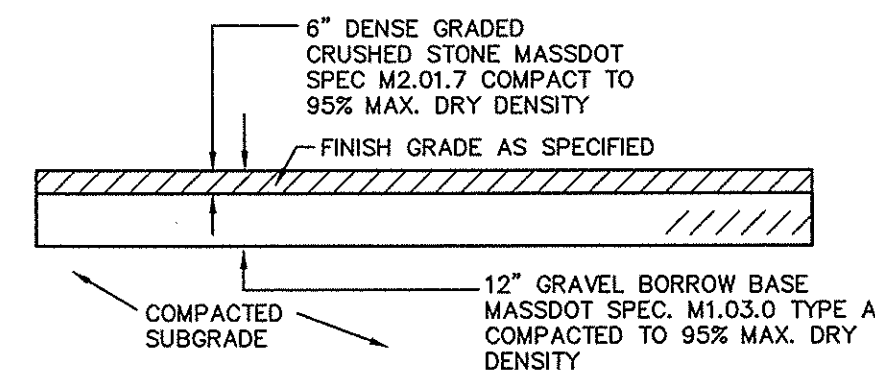
**HDPE TRENCH  
DETAIL**  
NOT TO SCALE

1. TYPE C GRAVEL BORROW SHALL CONFORM TO MASSDOT SPECIFICATION M1.03.0
2. CRUSHED STONE SHALL CONFORM TO MASSDOT SPECIFICATION M2.01.4

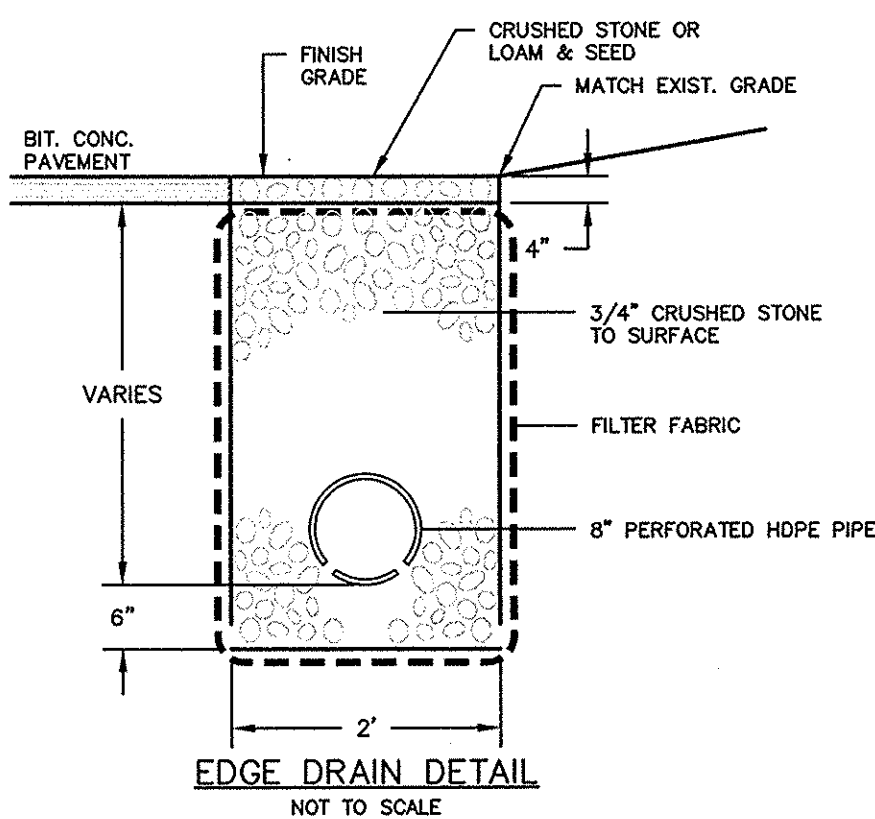


**DI/RCP TRENCH  
DETAIL/PAY LIMIT**  
NOT TO SCALE

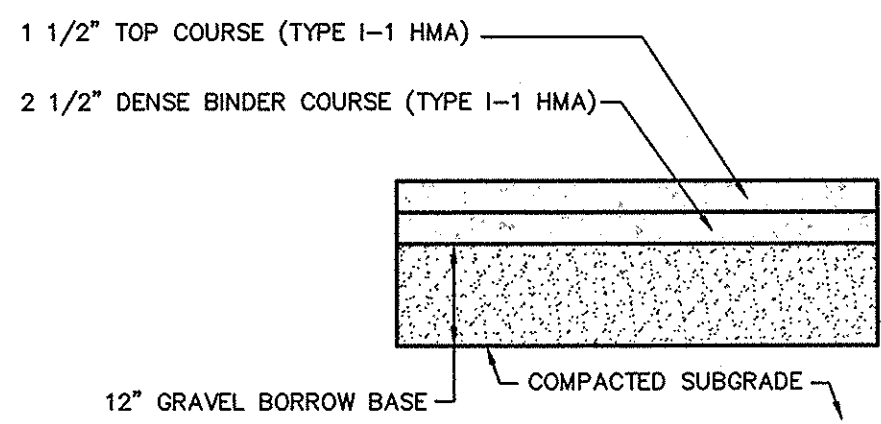
1. TYPE C GRAVEL BORROW SHALL CONFORM TO MASSDOT SPECIFICATION M1.03.0 2" MAX. STONE SIZE
2. TRENCH WIDTH SHALL BE AS REQUIRED TO PROVIDE ADEQUATE SHORING DURING CONSTRUCTION IN ACCORDANCE WITH ALL APPLICABLE TRENCHING AND SHORING REGULATIONS.



**GRAVEL ACCESS  
ROAD SECTION**  
NOT TO SCALE

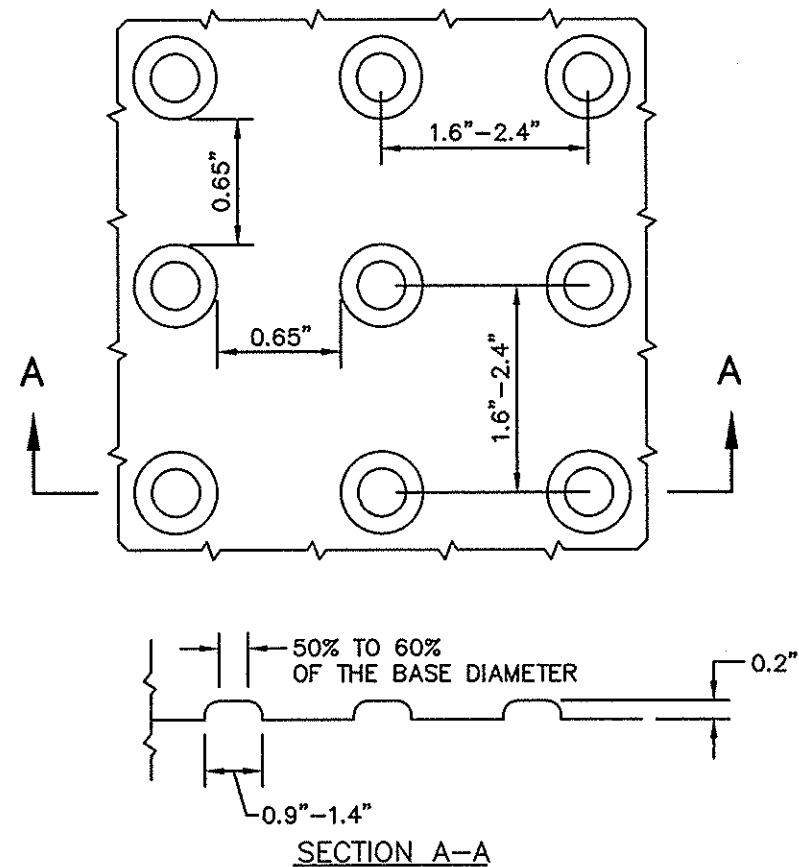


**EDGE DRAIN DETAIL**  
NOT TO SCALE



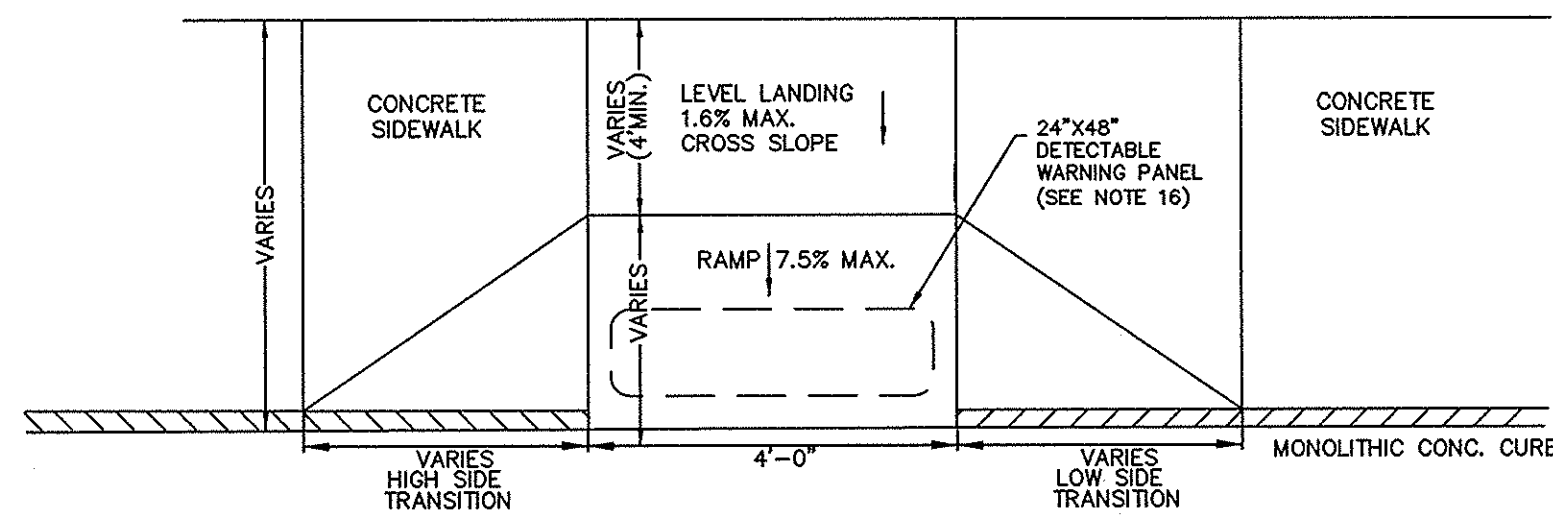
1. GRAVEL BORROW BASE SHALL CONFORM TO MASSDOT STANDARD SPECIFICATIONS FOR GRAVEL BORROW SEC. M1.03.0 TYPE B COMPACTED TO 95% MAX. DRY DENSITY IN 5" MAX. LIFTS.
2. BITUMINOUS PAVEMENT SHALL CONFORM TO MASSDOT STANDARD SPECIFICATIONS FOR CLASS 1 TYPE I-1 BITUMINOUS CONCRETE PAVEMENT SEC. 402.2. SUBMIT JOB-MIX FORMULA TO THE OWNER'S REPRESENTATIVE FOR APPROVAL.

**TYPICAL PAVEMENT SECTION**  
NOT TO SCALE



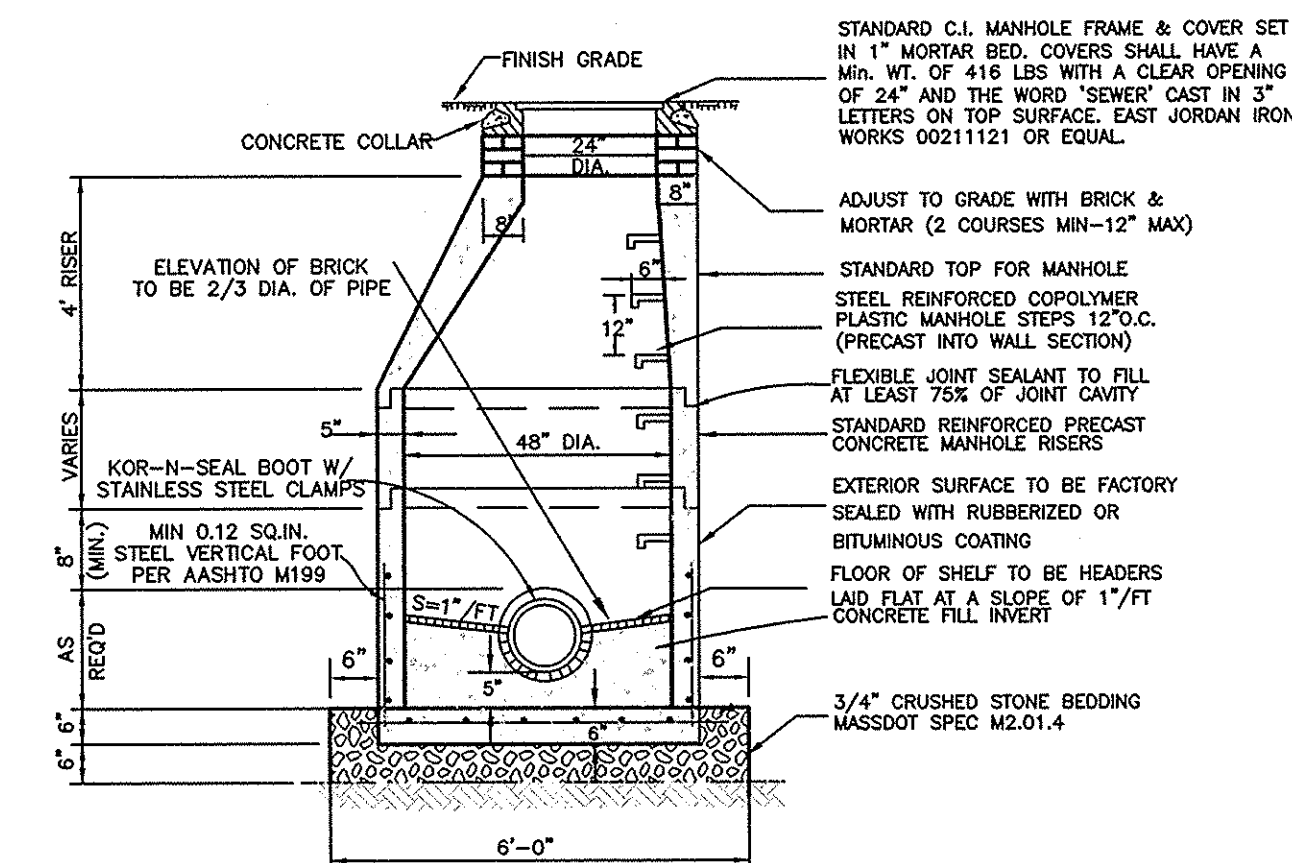
**DETECTABLE WARNING  
PANEL DETAIL**  
NOT TO SCALE

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



**SIDEWALK LESS THAN 5'-0"  
HANDICAP RAMP DETAIL**  
NOT TO SCALE

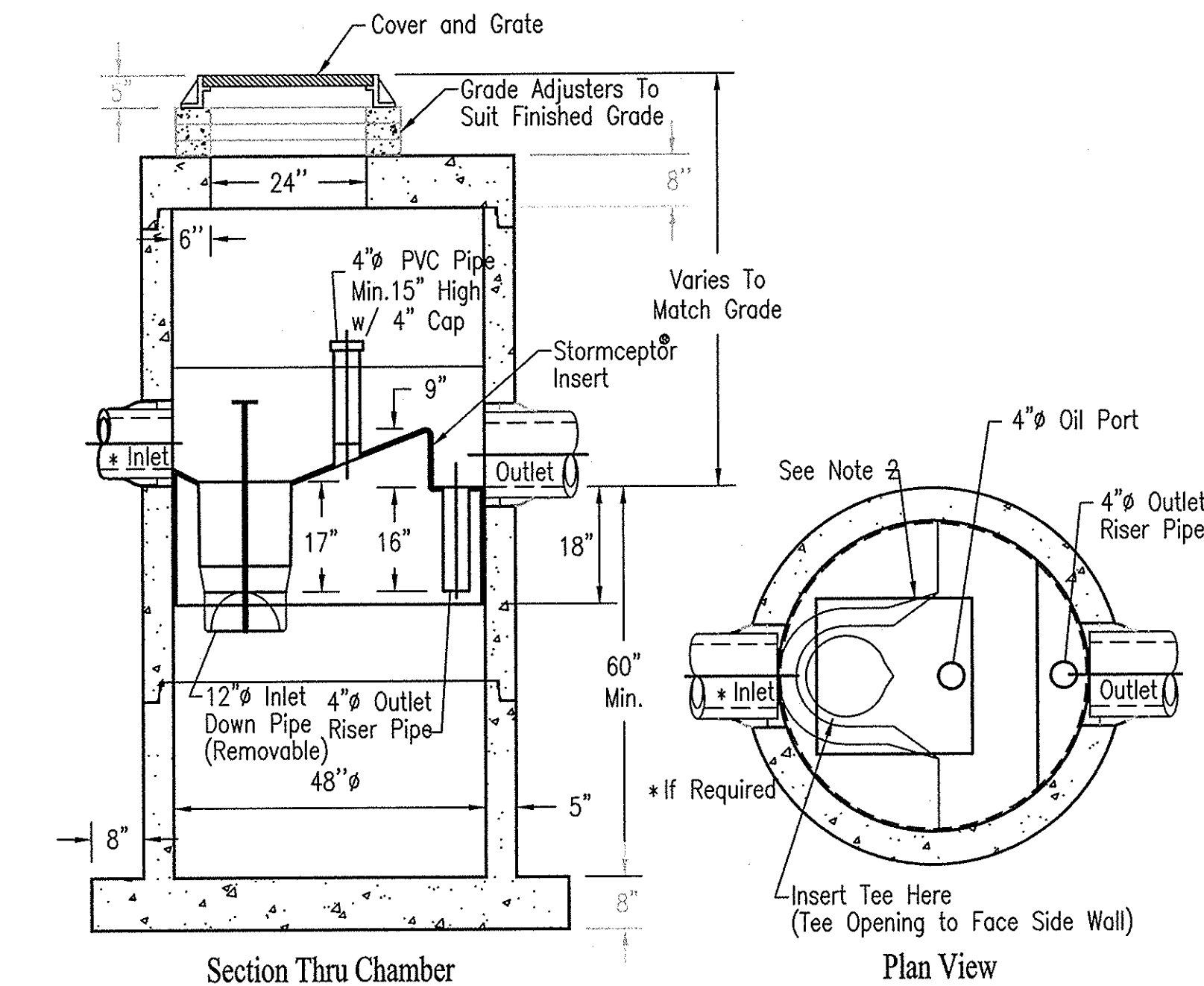
1. THE SIDEWALK CROSS SLOPE MUST NOT EXCEED 1.6% FOR CEMENT CONCRETE. (REFER TO STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, SECTION 700.)
2. AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 36" SHALL BE MAINTAINED.
3. THE WHEELCHAIR RAMP SLOPE AND SIDE OF SLOPES (TRANSITIONS), MUST NOT EXCEED 1:12. HOWEVER THESE SLOPES MAY BE FLATTER THAN 1:12 WHEN WARRANTED BY SURROUNDING CONDITIONS.
4. WHERE THE ROAD PROFILE EXCEEDS 5% THE HIGH SIDE FRONT TRANSITION LENGTH SHALL BE 20'-0".
5. IN NO CASE, WHERE A STOP LINE IS WARRANTED, SHALL A RAMP BE PLACED BEHIND THE STOP LINE.
6. FIXED OBJECTS—UTILITY POLES, HYDRANTS ETC.—MUST NOT ENCROUGH ON WHEELCHAIR RAMPS.
7. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP TO BE LOCATED OUTSIDE OF THE CROSSWALK AND IT IS TO BE CENTERED WHENEVER POSSIBLE.
8. CATCH BASINS WHICH ARE TO BE LOCATED IN THE VICINITY OF A WHEELCHAIR RAMP SHOULD LOCATED UP-GRADE WHENEVER POSSIBLE.
9. THE ENTRANCE OF THE WHEELCHAIR RAMP SHALL BE FLUSH WITH PARKING AREA.
10. TESTING SURFACE — WHEN TESTING A STRAIGHT EDGE PLACED PARALLEL TO THE LINE OF SLOPE, THERE SHALL BE NO DEVIATION FROM A TRUE SURFACE IN EXCESS OF THE 1/8" MAX. SLOPE.
11. WHEN IT IS TECHNOLOGICALLY UNFEASIBLE TO CONSTRUCT WHEELCHAIR RAMPS IN COMPLIANCE WITH THE ARCHITECTURAL ACCESS BOARD'S REGULATIONS, A VARIANCE WILL NEED TO BE SUBMITTED. THE DEPARTMENT'S HANDICAPPED ACCESSIBILITY SECTION SHOULD BE CONTACTED UNDER THESE CIRCUMSTANCES.
12. THE CENTERLINE OF THE WHEELCHAIR RAMP MUST BE CONSTRUCTED PERPENDICULAR TO THE CURB. IN CASES WHERE THE CROSSWALK IS SKEWED WITH THE RAMP, A TURNING RADIUS OF 8.0 FT. ENTIRELY CONTAINED WITHIN THE CROSSWALK, MUST BE PROVIDED AT THE BASE OF THE WHEELCHAIR RAMP.
13. THE CONTRACTOR SHALL OBTAIN GRADES AT ALL W.C. RAMP LOCATIONS AND SHALL SET TRANSITION LENGTHS ACCORDING TO THE APPROPRIATE TABLES AND DETAILS SHOWN.
14. THE ENTIRE WHEELCHAIR RAMP SHALL BE CONSTRUCTED OF CEMENT CONCRETE.
15. ALL RAMP JOINTS AND TRANSITION SECTIONS WHICH DEFINE GRADE CHANGES SHALL BE FORMED AND STAKED FOR APPROVAL BY THE PROJECT ENGINEER PRIOR TO PLACING BITUMINOUS CONCRETE.
16. DETECTABLE WARNING PANELS SHALL BE CAST-IN-PLACE COMPOSITE PAVEMENT UNIT MODEL NO. 2448DPV2 AS MANUFACTURED BY ADA SOLUTIONS, INC. OR APPROVED EQUAL UNIT SHALL BE FEDERAL YELLOW IN COLOR UNLESS OTHERWISE SPECIFIED BY THE OWNER.



**TYPICAL SEWER MANHOLE**  
NOT TO SCALE

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

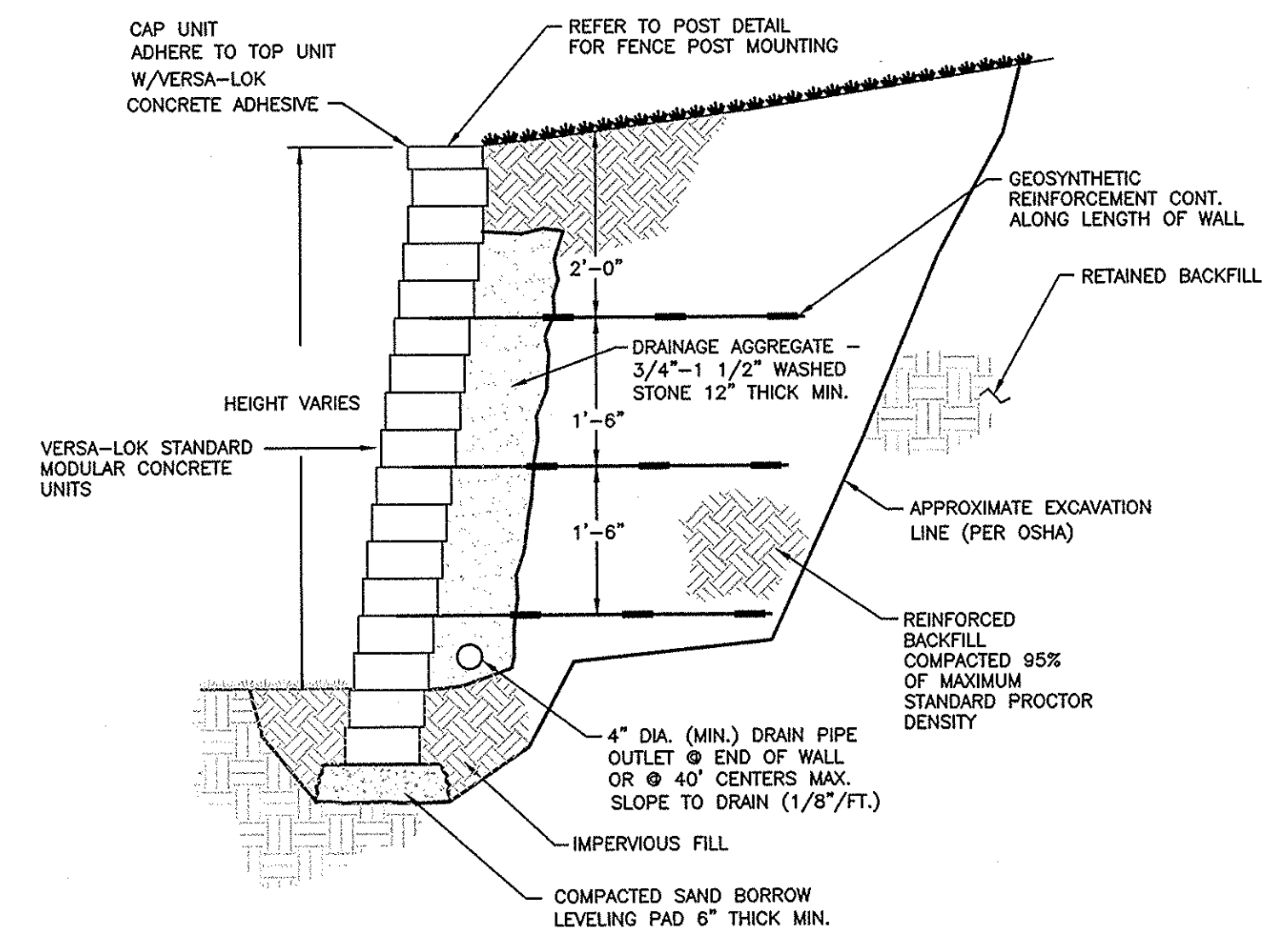
**STC 450i Precast Concrete Stormceptor®**  
(450 U.S. Gallon Capacity)



Notes:

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

Rinker 027



**VERSA-LOK — REINFORCED RETAINING WALL**  
MODULAR CONCRETE UNIT (OR EQUAL)  
N.T.S.

NOTE:

1. 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

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

THE CROCKER BUILDING  
4 COURT STREET, SUITE 104  
TAUNTON, MA 02780  
TEL: (508) 824-9279  
FAX: (508) 824-9276

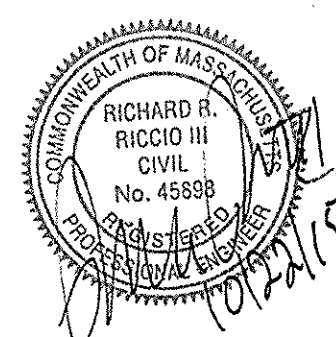
Revisions			
No.	Description	Date	Appvd.
1	REVISED FOR NOI FILING	10/22/15	RRR

Date: 10/8/15

Scale: N.T.S.

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

Issued For: PERMITTING



PROPOSED SITE DEVELOPMENT  
RAW SEAFOODS

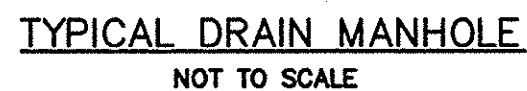
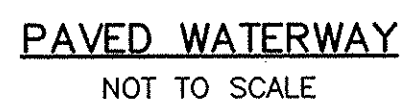
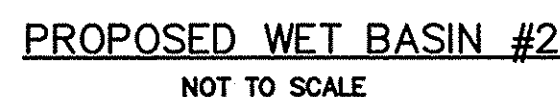
SAMUEL BARNET BOULEVARD  
NEW BEDFORD, MASSACHUSETTS

Drawing Title: DETAIL SHEET 1

Project No.: 2064  
Sheet: 11 OF 12

D-1

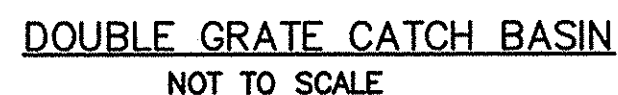




NOTES:

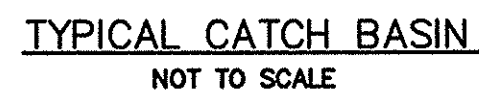
1. MANHOLE DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
2. CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS.
3. USE FLAT TOP SLAB WHERE FINISHED GRADE ELEVATIONS PROHIBIT THE USE OF A CONE SECTION.
4. FILL OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.
5. THE DRAIN MANHOLES OF GREATER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

	<u>BASIN</u>
	<u>#1</u>
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



**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
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

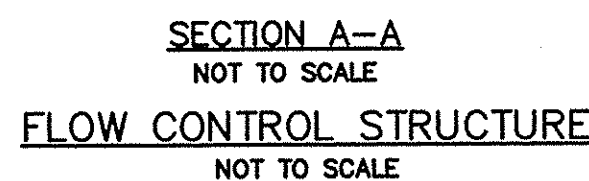


NOTES:

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.



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



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