

PROPOSED SITE DEVELOPMENT RAW SEAFOODS

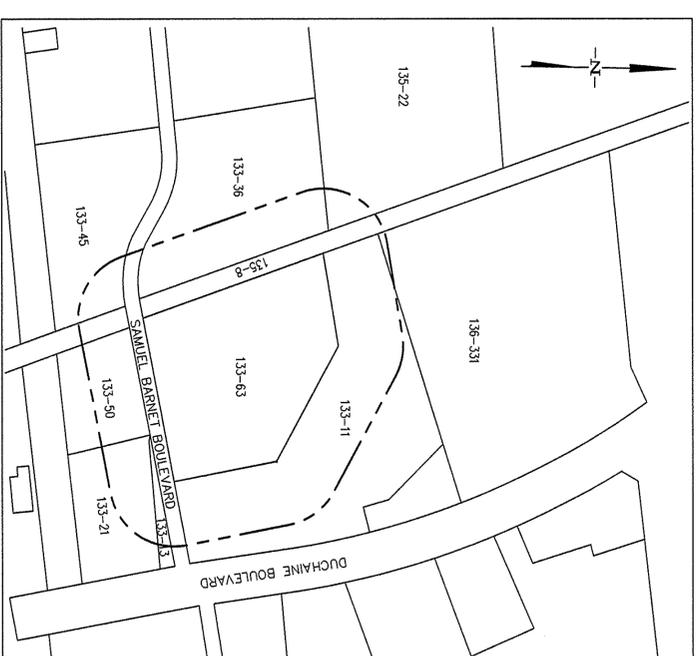
SITE DRAWINGS

ISSUED FOR: PERMITTING
DATE ISSUED: OCTOBER 8, 2015
LATEST ISSUE: NOVEMBER 13, 2015

SAMUEL BARNET BOULEVARD NEW BEDFORD, MASSACHUSETTS



SCALE: 1"=600'



SCALE: 1"=400'

PROJECT LOCATION:

ASSESSORS MAP 133 LOT 63
NEW BEDFORD, MASSACHUSETTS

INDEX TO DRAWINGS

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

| LOT NO. | OWNER OF RECORD |
|---------|---|
| 133-11 | GREATER NEW BEDFORD INDUSTRIAL FOUNDATION |
| 133-13 | ARTHUR L. WILBENCH TRUSTEE |
| 133-21 | HIGHLAND SAMUEL BARNET ASSOC. |
| 133-36 | GP BORG INC. |
| 133-46 | HYRA CORPORATION |
| 133-50 | GREATER NEW BEDFORD INDUSTRIAL FOUNDATION |
| 133-63 | GREATER NEW BEDFORD INDUSTRIAL FOUNDATION |
| 135-8 | PENN CENTRAL CO, CONSOLIDATED RAIL CORP. |
| 135-22 | GREATER NEW BEDFORD INDUSTRIAL FOUNDATION |
| 136-331 | AGSUNET COMPANY C/O SIE BRENNER |

PROPOSED
SITE
DEVELOPMENT

MAP 133 LOT 63
SAMUEL BARNET
BOULEVARD
NEW BEDFORD, MA



FIELD ENGINEERING CO., INC.
CONSULTING ENGINEERS

110 INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPoisETT, MA 02729
TEL: (609) 758-2749
FAX: (609) 758-2949

THE GROCKER BUILDING
4 COURT STREET SUITE 104
TAVANTON, MA 02780
TEL: (609) 824-4278
FAX: (609) 824-4278

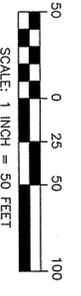
Project No. 2064

2064

ENGINEER:
FIELD ENGINEERING CO., INC.
110 INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPoisETT, MA 02739

APPLICANT:
RAW SEAFOODS
481 CURRANT ROAD
FALL RIVER, MA 02720

OWNER:
GREATER NEW BEDFORD
INDUSTRIAL FOUNDATION
1213 PURCHASE STREET
NEW BEDFORD, MA 02740
(DEED BK: 8452 PG: 99)



PARKING AND LOADING REQUIREMENTS

CATEGORY: BUSINESS ENGAGED IN THE WAREHOUSING AND DISTRIBUTION OF GOODS & MATERIALS INCLUDING BUILDING & CONSTRUCTION CONTRACTORS, EQUIPMENT & SUPPLIES ON PREMISES, MOTOR FREIGHT TERMINAL, FACILITIES FOR STORAGE & SERVICING OF MOTOR VEHICLES, PERSONAL USES, REPAIRS, OR REPAIRS FOR PERSONS, INDUSTRIAL MACHINERY & EQUIPMENT, REPAIRS, OR REPAIRS FOR PERSONS & MACHINERY.

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
 4 TOTAL SPACES

ZONING DISTRICT INDUSTRIAL "C"
 INTENSITY OF USE:

| REQUIRED | PROVIDED |
|-------------------|-----------------|
| LOT AREA | 14.1 AC. ± |
| FRONTAGE | 781.85 FT. |
| FRONT YARD | 25 FT. |
| SIDE YARD | 180.6 FT. (MIN) |
| REAR YARD | 142.8 FT. (MIN) |
| REAR YARD | 128.2 FT. (MIN) |
| BUILDING STORIES | 100 FT. |
| BUILDING COVERAGE | 45 FT. (MAX) |
| GREEN SPACE | 15 % |
| | 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**
1. 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 AND DISCUSS THE WETLAND CROSSING CONSTRUCTION PLAN ASSOCIATED WITH THE PROPOSED RAIL SPUR.
 2. THE CONTRACTOR SHALL MINIMIZE TEMPORARY IMPACTS TO THE EXISTING WETLAND SYSTEM AND BEYOND THE PROPOSED IMPACTS SHOWN ON THIS PLAN SHALL BE REVIEWED AND APPROVED BY THE NEW BEDFORD CONSERVATION COMMISSION PRIOR TO CONSTRUCTION.
 3. ALL DISTURBED AREAS WITHIN THE WETLAND RESOURCE AREA AND BALUST SHALL BE SPRAYED WITH A NEW ENGLAND WETLAND SEED MIX (AS MANUFACTURED BY NEW ENGLAND WETLAND PLANTS) FOLLOWING CONSTRUCTION FOR STABILIZATION.
 4. 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 OTHER CONDITIONS.
 5. THE APPLICANT IS CURRENTLY WORKING WITH MASS COASTAL RAILROAD TO OBTAIN NECESSARY PERMITS FOR THE RAIL SPUR. THE DESIGN PLANS AND DETAILS FOR THE RAIL SPUR SHALL BE SUBMITTED TO THE CONSERVATION COMMISSION FOR REVIEW PRIOR TO CONSTRUCTION.

PROPOSED SNOW MANAGEMENT NOTES

1. SNOW SHALL BE STOCKPILED IN THE AREAS AS GENERALLY SHOWN ON THIS PLAN AND 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 (BMP) AREAS. SNOW SHALL NOT BE STOCKPILED IN AREAS THAT DISTURB AND BLOCK THE LINES OF SITE VEHICLES ON THE ADJACENT ROADWAYS OR LEAVING THE SITE DRIVEWAYS.
2. 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.
3. ALL DRAINAGE STRUCTURES (IE 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 DISTURB AND BLOCK THE LINES OF SITE VEHICLES ON THE ADJACENT ROADWAYS OR LEAVING THE SITE DRIVEWAYS. SNOW SHALL NOT BE DISCHARGED TO WETLAND RESOURCE AREAS.

LIMITS OF MAPPED HIGHEST PRIORITY HABITAT (TAKEN FROM MASSGIS)

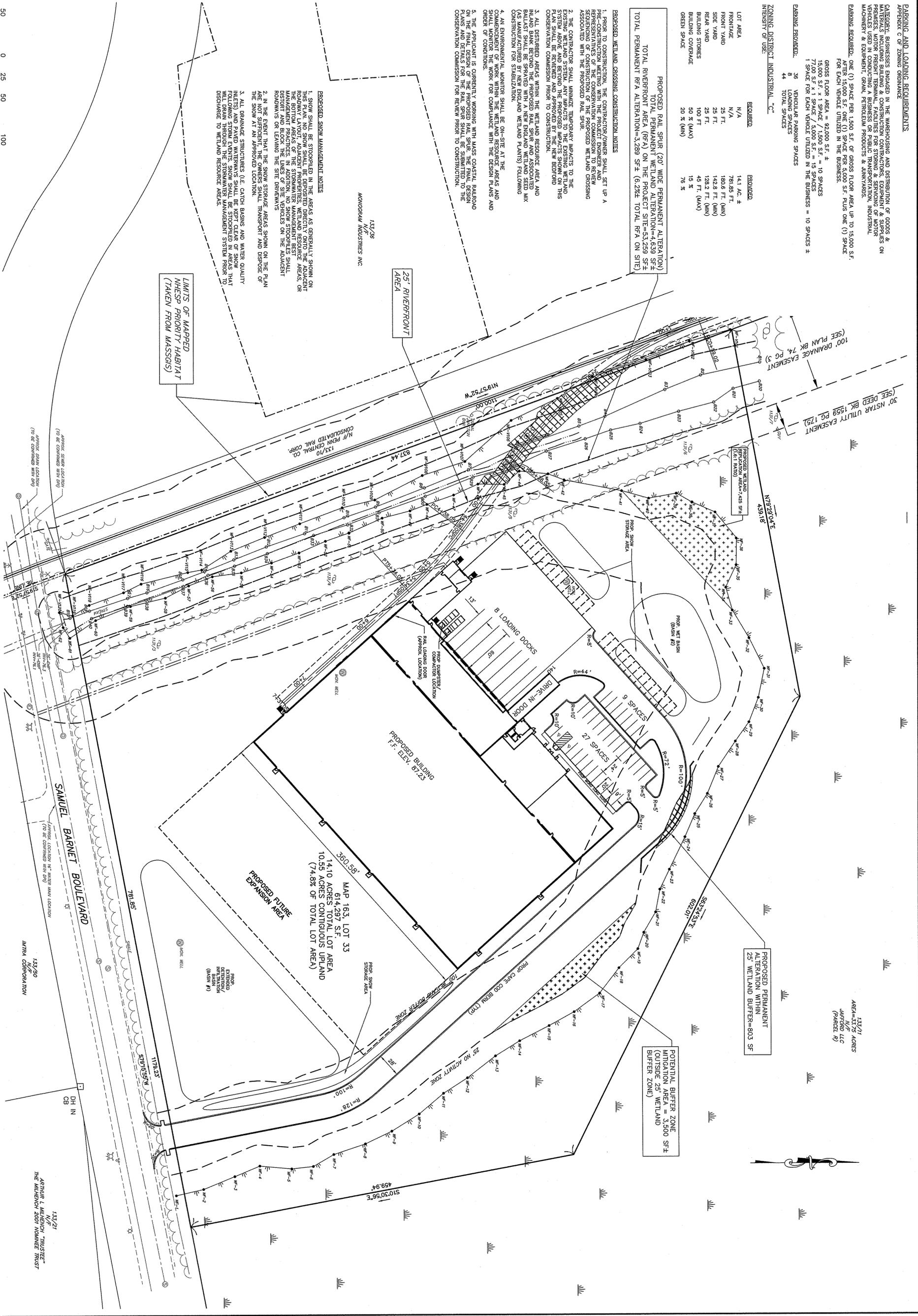
25' RIVERFRONT AREA

MANOGONAH INDUSTRIES INC.
 133/28

M/F PENN CENTRAL CO
 133/10

100' DRAINAGE EASEMENT
 (SEE PLAN BK 74 PG 3)

30' NSTAR UTILITY EASEMENT
 (SEE DEED BK 1559 PG 175)



133/11
 6.5 ACRES
 WATFORD LLC
 (PARCEL R)

PROPOSED PERMANENT ALTERATION WITHIN 25' WETLAND BUFFER=803 SF

POTENTIAL BUFFER ZONE (OUTSIDE 25' WETLAND BUFFER ZONE)
 3,500 SF ±

360.58'
 MAP 163, LOT 33
 614,297 S.F.
 14.10 ACRES TOTAL LOT AREA
 10.55 ACRES CONTIGUOUS UPLAND
 (74.8% OF TOTAL LOT AREA)

PROPOSED FUTURE EXPANSION AREA

SAMUEL BARNET BOULEVARD

133/21
 N/F WATFORD "PROPOSED"
 THE MICHIGAN 2501 "WATFORD TRACT"

FIELD ENGINEERING CO., INC.
 CONSULTING ENGINEERS

110 INDUSTRIAL DRIVE
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 FAX: (609) 752-2949

THE CROCKER BUILDING
 4 COURT STREET SUITE 104
 TAYLORVILLE, MA 02780
 TEL: (609) 824-6279
 FAX: (609) 824-6278

Revisions

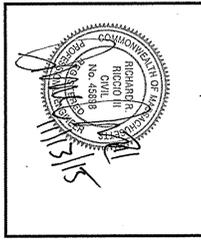
| No. | Description | Date | Prep | Apprv |
|-----|---|----------|------|-------|
| 1 | REVISED FOR NO. FILING | 10/22/15 | RRR | RRR |
| 2 | STAFF REVIEW | 11/05/15 | RRR | RRR |
| 3 | SITE PLAN REVISIONS | 11/05/15 | RRR | RRR |
| 4 | ADDITIONAL REVISIONS PER GENERAL COMMENTS | 11/05/15 | RRR | RRR |

PERMITTING

Scale: 1"=50'

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

Issued For: _____



PROPOSED SITE DEVELOPMENT
RAW SEAFOODS

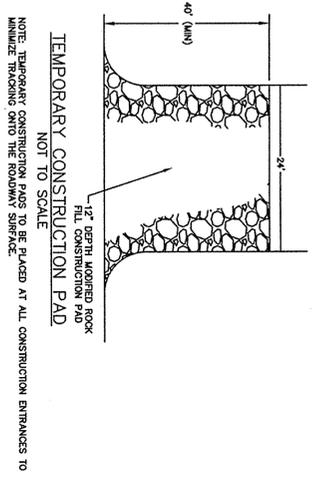
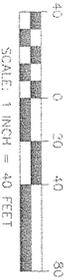
SAMUEL BARNET BOULEVARD
NEW BEDFORD, MASSACHUSETTS

Drawing Title: **SITE LAYOUT**

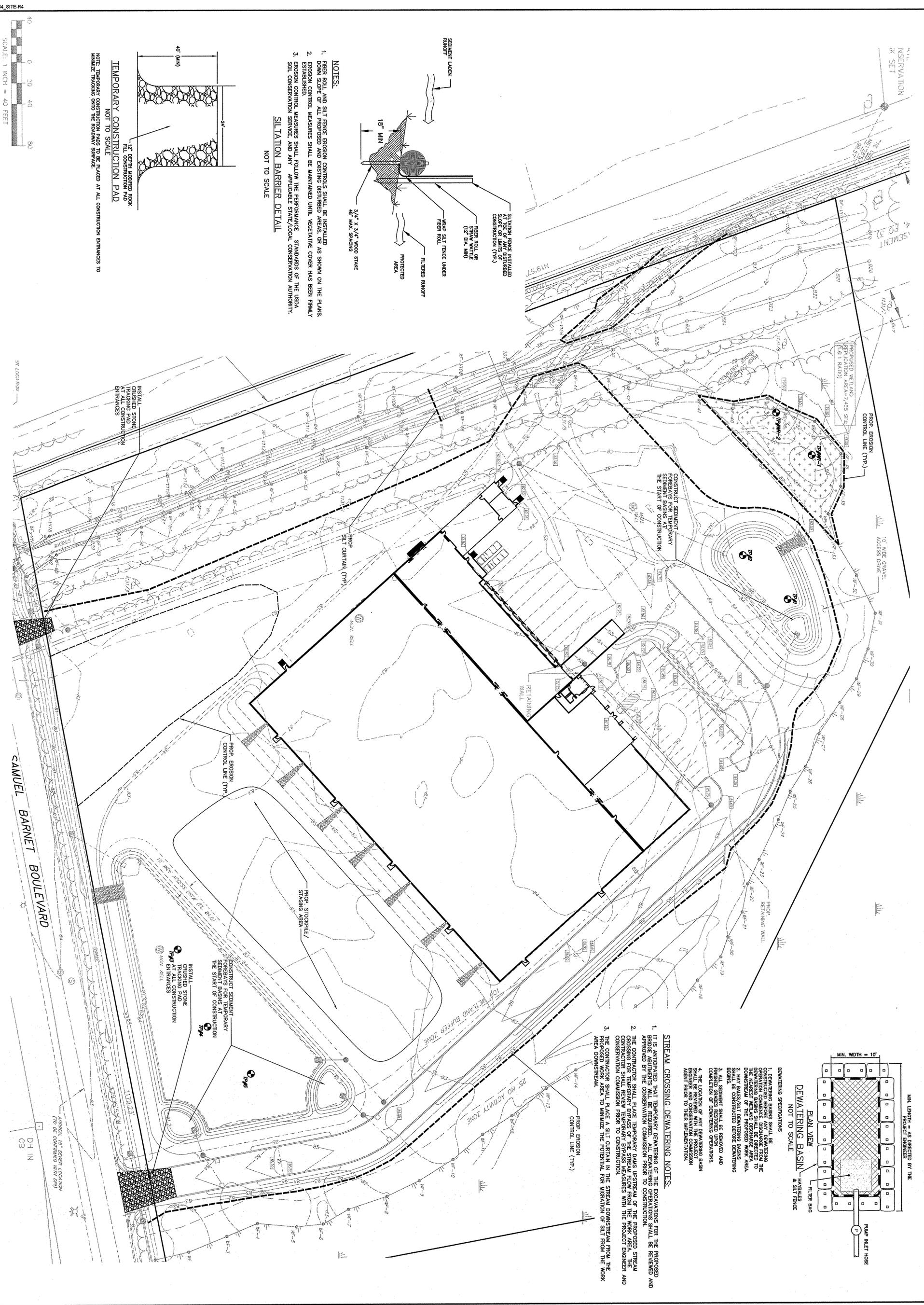
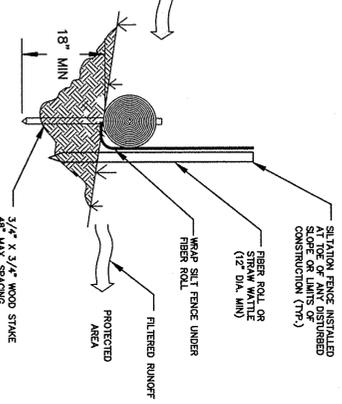
Project No.: 2064

Sheet: 4 OF 12

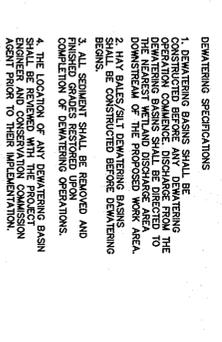
SL-1



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



- STREAM CROSSING DEWATERING NOTES:**
1. IT IS ANTICIPATED THAT TEMPORARY DEWATERING OF THE EXCAVATIONS FOR THE PROPOSED AND OPERATIONAL DEWATERING BASINS WILL BE REVIEWED AND APPROVED BY THE CONSERVATION COMMISSION PRIOR TO CONSTRUCTION.
 2. THE CONTRACTOR SHALL PLACE TEMPORARY DAMS UPSTREAM OF THE PROPOSED STREAM DEWATERING BASINS TO BYPASS THE STREAM FLOW FROM THE WORK AREA. THE CONTRACTOR SHALL REVIEW TEMPORARY BYPASS MEASURES WITH THE PROJECT ENGINEER AND CONSERVATION COMMISSION PRIOR TO CONSTRUCTION.
 3. 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.



- DEWATERING SPECIFICATIONS:**
1. DEWATERING BASINS SHALL BE TEMPORARILY CONSTRUCTED TO BYPASS THE OPERATIONAL DEWATERING BASINS FROM THE DOWNSTREAM OF THE PROPOSED WORK AREA.
 2. HAY BALES/SILT DEWATERING BASINS SHALL BE CONSTRUCTED BEFORE DEWATERING OPERATIONS.
 3. ALL SEDIMENT SHALL BE REMOVED AND FINISHED GRADES RESTORED UPON COMPLETION OF DEWATERING OPERATIONS.
 4. THE LOCATION OF ANY DEWATERING BASIN SHALL BE REVIEWED WITH THE CONSERVATION COMMISSION PRIOR TO THEIR IMPLEMENTATION.

Project No. 2064
 Sheet 9 OF 12

**PROPOSED SITE DEVELOPMENT
 RAW SEAFOODS**

EROSION CONTROL

SAMUEL BARNET BOULEVARD
 NEW BEDFORD, MASSACHUSETTS



PERMITTING

Scale: 1"=40'

Drawn By: RMS
 Designed By: JCC/RRR
 Issued For: RRR

Checked By: RRR

| No. | Description | Date | By/For |
|-----|-------------------------|----------|--------|
| 1 | REVISION FOR NOT FILING | 10/20/15 | RRR |
| 2 | AMOROUS REVISIONS | 11/20/15 | RRR |
| 3 | REVISION FOR CON. COM. | 11/20/15 | RRR |
| 4 | REVISION FOR CON. COM. | 11/20/15 | RRR |

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 CONSULTING ENGINEERS

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 FAX: (508) 758-2549

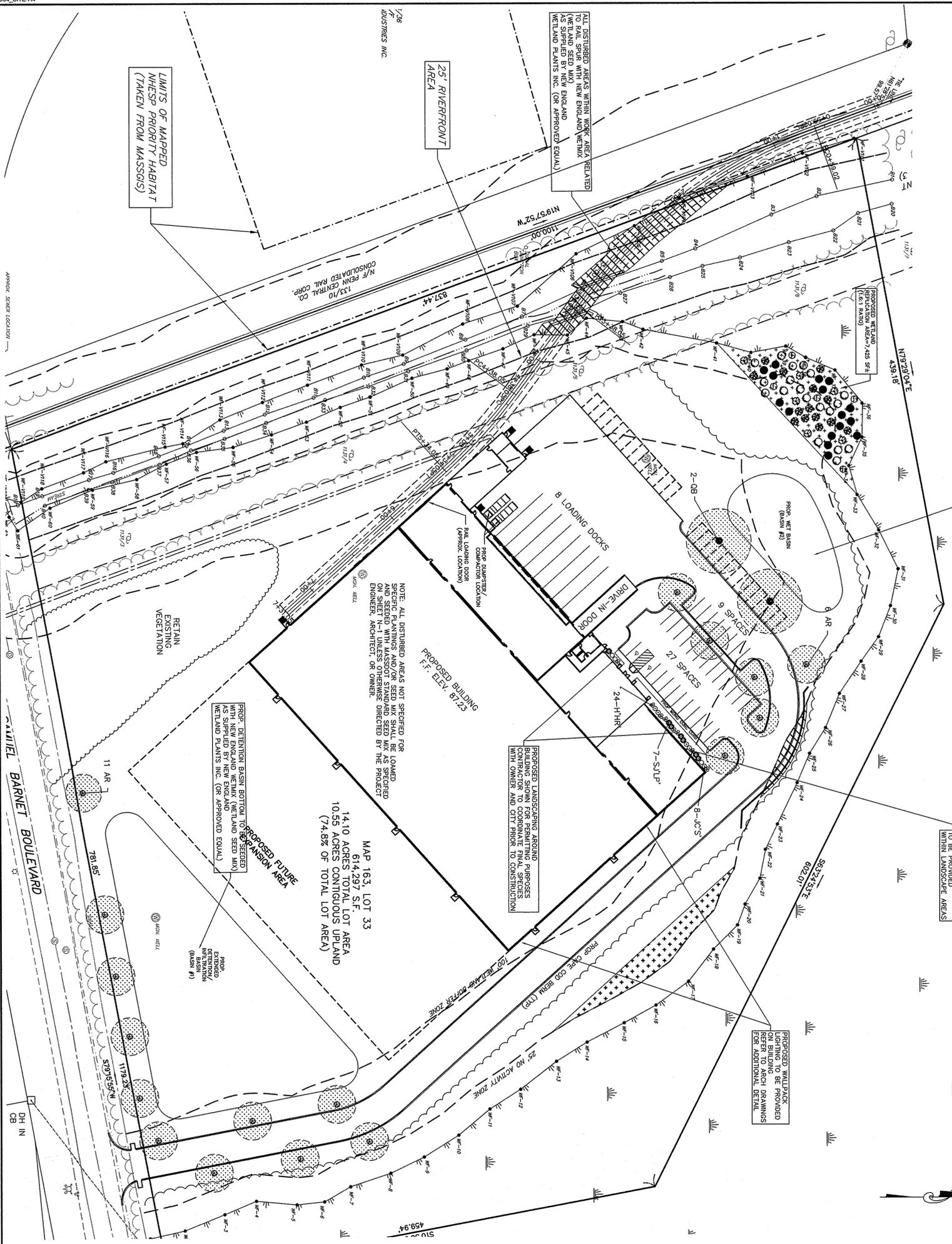
THE PROJECTOR BUILDING
 140 SOUTH MAIN STREET, SUITE 104
 TAUNTON, MA 02729
 TEL: (508) 824-4279
 FAX: (508) 824-4278

PLANT SCHEDULE

| KEY | DESCRIPTION | SIZE | QTY. |
|------|--------------------------|-------------------|------|
| AR | RED SUNSET MAPLE | 3"-3 1/2" CALIPER | 17 |
| CB | SWAMP BIRCH | 3"-3 1/2" CALIPER | 2 |
| S/LP | OWAMP DEEP PINK SPIREA | 18"-24" | 7 |
| JCS | BLUE SARGENT JUNIPER | 18"-24" | 8 |
| HHR | CONTINUOUS BLOOM DAYLILY | 1 ft. | 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

PROPOSED NET BASIN SINCE SPECIES TO BE PLANTED NEW ENGLAND CONSERVATION/WILDLIFE MIX AS SUPPLIED BY NEW ENGLAND (OR APPROVED EQUAL)



PROPOSED DECORATIVE LANDSCAPE LIGHTING TO BE PROVIDED WITHIN LANDSCAPE AREAS

PROPOSED WALLPACK LIGHTING TO BE PROVIDED ON BUILDING EXTERIOR PERIMETER FOR ADDITIONAL DETAIL

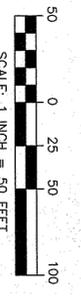
PROPOSED LANDSCAPING AROUND BUILDING SHOWN FOR PERMITTING PURPOSES CONTRACTOR TO COORDINATE FINAL SPECIES WITH OWNER AND CITY PRIOR TO CONSTRUCTION

NOTE: ALL DISTURBED AREAS NOT SPECIFIED FOR SPECIFIC PLANTINGS AND SEEDS ON SHEET N-1 UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER, ARCHITECT, OR OWNER.

PROPOSED DETENTION BASIN BOTTOM TO BE REDESIGNED AS SUPPLIED BY NEW ENGLAND WETLAND PLANTS INC. (OR APPROVED EQUAL)

MAP 163, LOT 33
 614,297 S.F.
 14.10 ACRES TOTAL LOT AREA
 10.55 ACRES CONTIGUOUS UPLAND
 (74.8% OF TOTAL LOT AREA)

133/11
 AREA=33.75 ACRES
 WATFORD LLC
 (PARCEL R)



Cre Edge™ Series
 LED Security Wall Pack Luminaire

Product Description:
 The Cre Edge™ wall pack luminaire is a slim, low profile design. The luminaire and optic are made from rugged, die-cast aluminum. The luminaire is designed to be mounted to a wall or post. The luminaire is available in 100, 150, and 200 watt configurations. The luminaire is available in 10, 15, and 20 foot mounting heights. The luminaire is available in 10, 15, and 20 foot mounting heights. The luminaire is available in 10, 15, and 20 foot mounting heights.

Performance Summary:
 Made in the USA, AULIE and Imported Parts
 5000 Hours (L70) LED Life Expectancy
 100, 150, 200 Watt
 10, 15, 20 Foot Mounting Heights

Ordering Information:
 www.creeled.com

| Model | Wattage | Mounting Height | Options |
|----------|---------|-----------------|----------|
| 100W-10F | 100W | 10F | Standard |
| 100W-15F | 100W | 15F | Standard |
| 100W-20F | 100W | 20F | Standard |
| 150W-10F | 150W | 10F | Standard |
| 150W-15F | 150W | 15F | Standard |
| 150W-20F | 150W | 20F | Standard |
| 200W-10F | 200W | 10F | Standard |
| 200W-15F | 200W | 15F | Standard |
| 200W-20F | 200W | 20F | Standard |

CREE
 1-800-453-3242

TYPICAL WALLPACK LIGHTING DETAIL

- NOTE:**
- SPECIFICATION FOR WALLPACKS SHOWN ON THIS DRAWING ARE FOR PERMITTING PURPOSES ONLY. CONTRACTOR SHALL SUBMIT TO THE PROJECT MANAGER FOR REVIEW.
 - A COMPLETE LIGHTING AND PHOTOGRAPHIC PLAN SHALL BE PROVIDED TO THE CITY PRIOR TO CONSTRUCTION.

FIELD ENGINEERING CO., INC.
 CONSULTING ENGINEERS

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 TEL: (508) 824-8279
 FAX: (508) 824-8270

Revisions

| No. | Description | Date | Appvd |
|-----|------------------------------|----------|-------|
| 1 | REVISED FOR NO. FILING | 10/20/15 | RJR |
| 2 | MAJOR REVISIONS FOR PLANNING | 11/03/15 | RJR |
| 3 | REVISED PER CON. COV. | 11/19/15 | RJR |

Date: 10/8/15

Scale: 1"=50'

Drawn by: JCCR/R
 Checked by: RRR
 Issued for: PERMITTING

COMMONWEALTH OF MASSACHUSETTS
 RICHARD J. ROY
 GOVERNOR

10/15

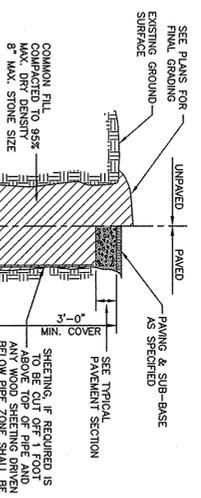
PROPOSED SITE DEVELOPMENT
 RAW SEAFOODS

SAMUEL BARNET BOULEVARD
 NEW BEDFORD, MASSACHUSETTS

Drawing Title
SITE LIGHTING & LANDSCAPING

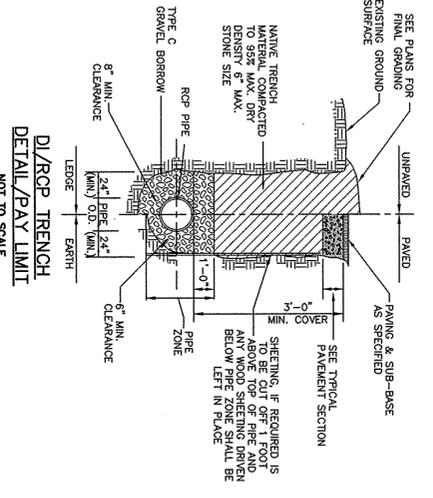
Project No.: 2064
 Sheet: 10 OF 12

LAND-1



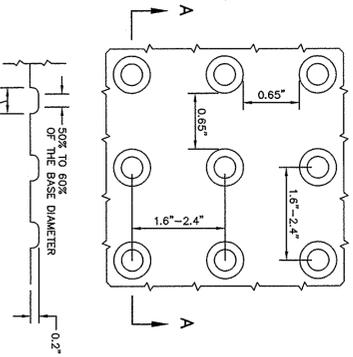
1. TYPE C GRAVEL BORROW SHALL CONFORM TO MASSDOT SPECIFICATION M1.03.0
2. CRUSHED STONE SHALL CONFORM TO MASSDOT SPECIFICATION M2.01.4

HDPE TRENCH DETAIL
NOT TO SCALE



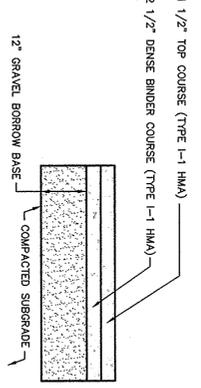
1. TYPE C GRAVEL BORROW SHALL CONFORM TO MASSDOT SPECIFICATION M1.03.0
2. TRENCH WIDTH SHALL BE AS REQUIRED TO PROVIDE ADEQUATE SHOULDER DURING CONSTRUCTION IN ACCORDANCE WITH ALL APPLICABLE TRENCHING AND SHOULDER REGULATIONS.

DI/RCP TRENCH DETAIL / PLAY LIMIT
NOT TO SCALE



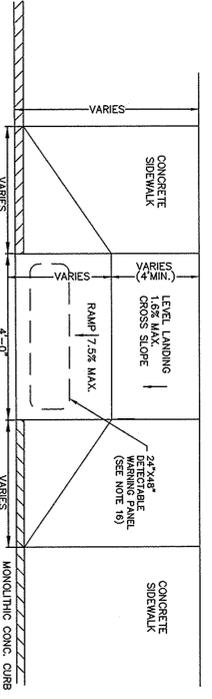
- NOTE:
1. PANELS SHALL BE 24x24x1/4\"/>
 - 2. PANELS SHALL BE YELLOW IN COLOR UNLESS OTHERWISE SPECIFIED.

DETECTABLE WARNING PANEL DETAIL
NOT TO SCALE



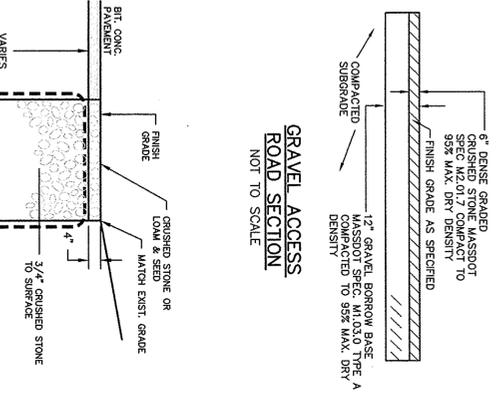
1. GRAVEL BORROW BASE SHALL CONFORM TO MASSDOT STANDARD SPECIFICATIONS FOR GRAVEL BORROW SEC. M1.03.0 TYPE B COMPACTED TO 95% MAX. DRY DENSITY IN 6\"/>
- 2. SPECIFICATIONS FOR CLASS 1 TYPE L-1 BITUMINOUS CONCRETE PAVEMENT SEC. 400.0. SUBMIT JOB-MAX FORMULA TO THE OWNER'S REPRESENTATIVE FOR APPROVAL.

TYPICAL PAVEMENT SECTION
NOT TO SCALE

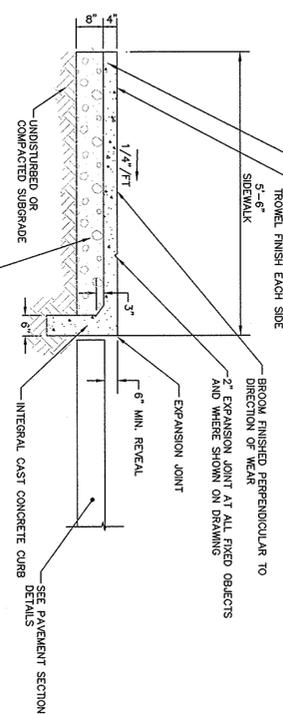


**SIDEWALK LESS THAN 5'-0\"/>
HANDICAP RAMP DETAIL
NOT TO SCALE**

1. THE SEWAGE CROSS SLOPE MUST NOT EXCEED 1/8% FOR GRADIENT SECTION (NO) OR 1/4% FOR UNGRADED SECTION (NO) UNLESS OTHERWISE SPECIFIED BY THE DESIGNER AND BRIDGES.
2. ALL UNSTRUCTURED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 3' SHALL BE 1/4% SLOPE.
3. HOWEVER, THRESH SLOPES MAY BE FLATTER THAN 1:12 WHEN WARRANTED BY SURROUNDING CONDITIONS.
4. THRESH SLOPES SHALL BE 1/4% SLOPE.
5. IN NO CASE, WHERE A STOP LINE IS WARRANTED, SHALL A RAMP BE PLACED BEHIND THE STOP LINE.
6. RAMP COERCERS—UTILITY POLES, HYDRANTS ETC.—MUST NOT ENOUGH ON WHEELCHAIR RAMP.
7. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP TO BE LOCATED OUTSIDE OF THE CURB.
8. CATCH BASINS WHICH ARE TO BE LOCATED IN THE VICINITY OF A WHEELCHAIR RAMP SHALL BE 2' FROM THE RAMP.
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% SLOPE.
11. WHEN IT IS TECHNICALLY UNFEASIBLE TO CONSTRUCT WHEELCHAIR RAMP IN COMPLIANCE WITH THE ABOVE, THE CONTRACTOR SHALL SUBMIT AN ACCESSIBILITY STATEMENT TO THE DEPARTMENT'S HANDICAPPED ACCESSIBILITY SECTION SHOULD BE CONTACTED UNDER THESE CIRCUMSTANCES.
12. THE CONTRACTOR SHALL SUBMIT A STATEMENT OF WORKS TO THE DEPARTMENT'S HANDICAPPED ACCESSIBILITY SECTION SHOULD BE CONTACTED UNDER THESE CIRCUMSTANCES.
13. THE CONTRACTOR SHALL OBTAIN GRADERS AT ALL W.S. RAMP LOCATIONS AND SHALL SET TRANSITION.
14. THE ENTIRE WHEELCHAIR RAMP SHALL BE CONSTRUCTED OF CEMENT CONCRETE.
15. ALL RAMP JOINTS AND TRANSITION SECTIONS WHICH GENERATE GRADE CHANGES SHALL BE FORMED AND STAGED FOR APPROVAL BY THE PROJECT ENGINEER PRIOR TO PLACING BITUMINOUS CONCRETE.
16. DETECTABLE WARNING PANELS SHALL BE CAST-IN-PLACE COMPOSITE PAVEMENT UNIT (CPU) SHALL BE FORMED AND STAGED FOR APPROVAL BY THE PROJECT ENGINEER PRIOR TO PLACING BITUMINOUS CONCRETE.

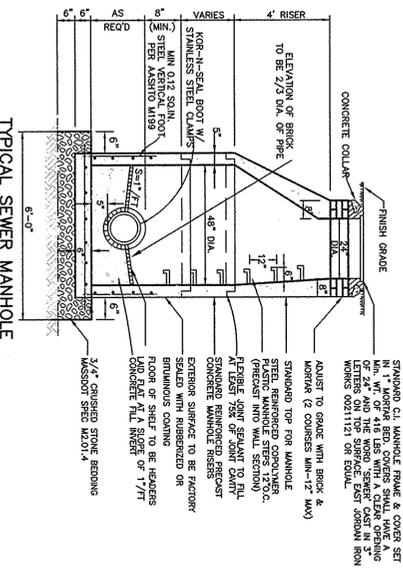


GRAVEL ACCESS ROAD SECTION
NOT TO SCALE



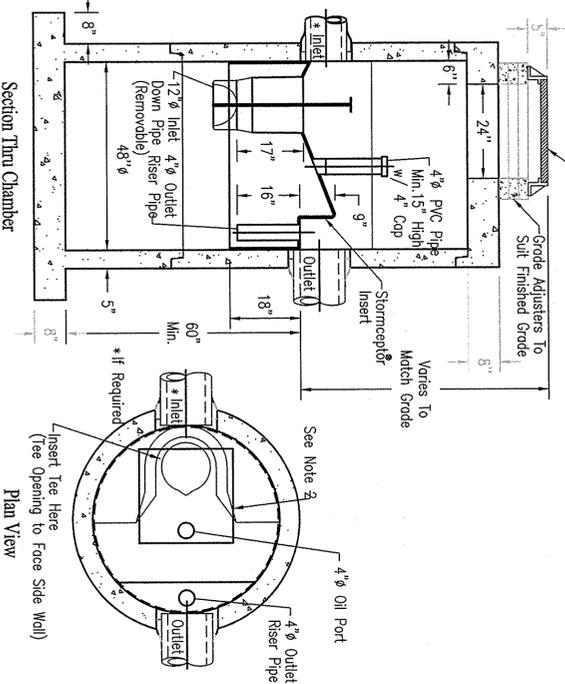
- NOTES:
1. SCORE JOINT SPACING, MIN. - 4'-0\"/>
 - 2. EQUAL SPACING BETWEEN EXPANSION JOINTS, 32'-0\"/>
 - 3. CEMENT CONCRETE SHALL CONFORM TO MASSDOT SPEC. M1.03.00 WITH A CEMENT CONTENT OF 660#/CY; MAX. AGGREGATE SIZE 3/8\"/>

CEMENT CONCRETE SIDEWALK SECTION
(NOT TO SCALE)



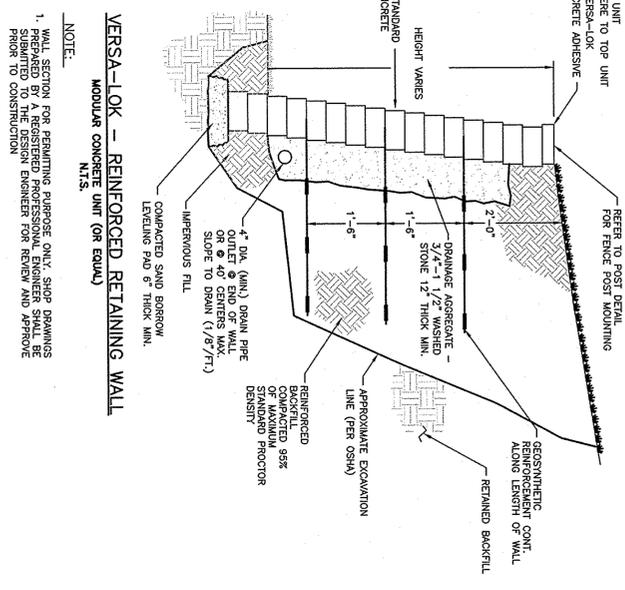
- NOTES:
1. MANHOLE DESIGN TO CONFORM TO PRECAST CONCRETE MANHOLE SECTIONS—ASTM C478 LATEST REVISION.
 2. USE 1\"/>
 - 3. PROVIDE 1\"/>
 - 4. PROVIDE PIPE JOINTS NO MORE THAN 3'-0\"/>
 - 5. PLUG LIFT HOLES SOLID W/ MASTIC LESS STEEL STRIPS AT ALL PIPE TO MANHOLE JOINTS.
 - 6. COAT OUTSIDE SURFACE WITH BITUMINOUS WATERPROOFING.

TYPICAL SEWER MANHOLE
NOT TO SCALE



- 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, #3498331, #5725760, #5753115, #5844918, #6068755, #6371690.
 4. Contact Rinker Pipe Division representative for further details not listed on this drawing.

Rinker 027



- NOTE:
1. WALL SETTING FOR EXISTING SURFACE ONLY. SHIP SPACING PREPARED BY A REGISTERED PROFESSIONAL ENGINEER SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR REVIEW AND APPROVE PRIOR TO CONSTRUCTION.

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

Rinker
CONCRETE PIPE DIVISION

STC 4501 Precast Concrete Stormceptor
(450 U.S. Gallon Capacity)

FIELD ENGINEERING CO., INC.
CONSULTING ENGINEERS

110 INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPANSETT, MA 02729
TEL: (609) 758-2749
FAX: (609) 758-2949

THE CROCKER BUILDING
4 COURT STREET SUITE 104
TALHOUT, MA 02780
TEL: (609) 824-4978
FAX: (609) 824-4978

| Revisions | |
|-----------|---|
| No. | Description |
| 1 | NO CHANGES |
| 2 | MINOR REVISIONS PER PLANNING STAFF REVIEW |
| 3 | REVISED FOR NO FILING |
| Date | 10/8/15 |

PERMITTING

Scale: N.T.S.

Drawn By: JCCR/RRR
Designed By: JCCR/RRR
Issued For: RRR

Checked By: RRR



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

Revisions

| | | | | |
|-----|---------|--|----------|-------|
| No. | Date | Description | Date | App'd |
| 1 | 10/8/15 | ISSUED FOR PERMITTING | | |
| 2 | | REVISION FOR NO. FILING | 10/20/15 | RRR |
| 3 | | CHANGE ENGINEERING ON MAJOR REVISIONS PER PLANNING | 11/05/15 | RRR |

Scale: N.T.S.

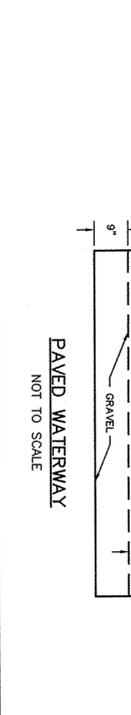
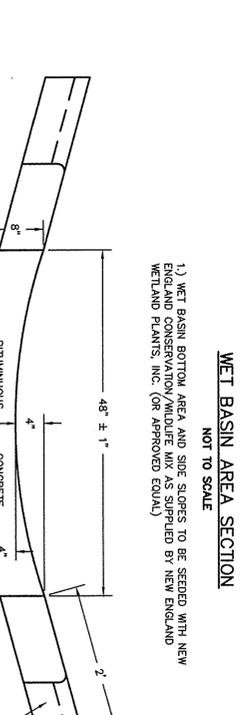
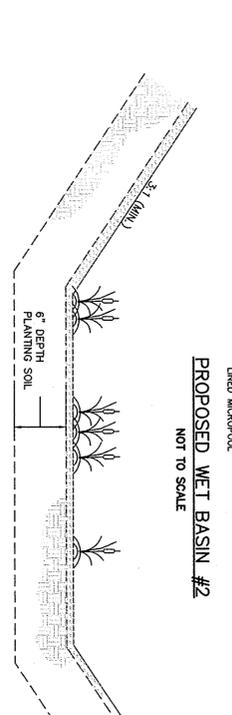
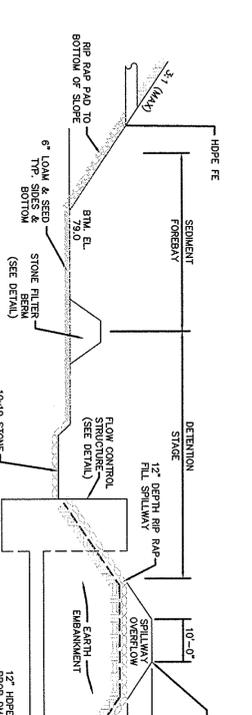
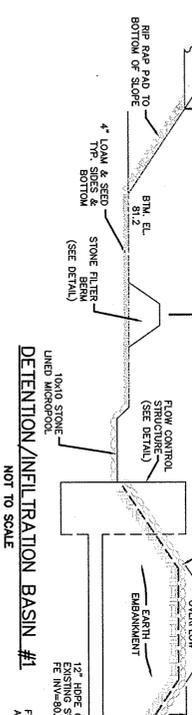
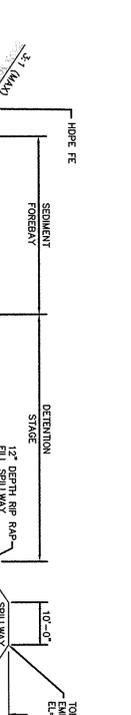
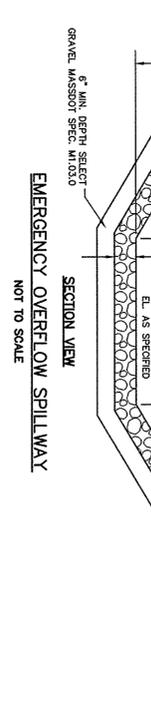
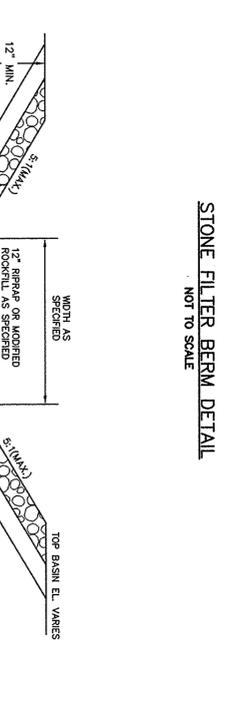
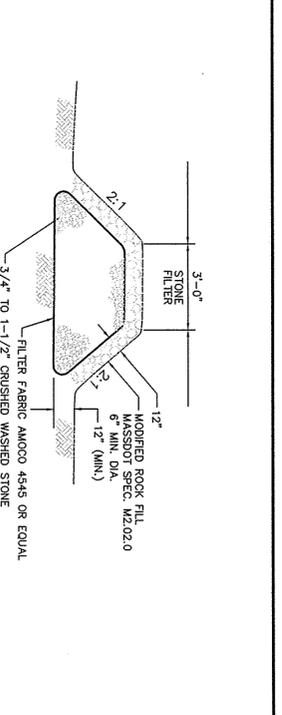
Drawn By: RMS
Designed By: JCC/RRR
Checked By: RRR

Issued For: **PERMITTING**

Date: 10/8/15

**PROPOSED SITE DEVELOPMENT
RAW SEAFOODS**

SAMUEL BARNET BOULEVARD
NEW BEDFORD, MASSACHUSETTS



NOTES:

- CATCH BASIN DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
- CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS.
- BASE OUTSIDE FACE OF MANHOLE JOINTS WITH NON-SHRINK MORTAR.
- WHERE CATCH BASIN OF GREATER DIAMETER ARE SPECIFIED ON THE PLANS, THEIR CONSTRUCTION SHALL MEET THE TYPICAL CATCH BASIN SPECIFICATIONS.

NOTES:

- DOUBLE GRATE CATCH BASIN DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
- CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS.
- OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.
- WHERE CATCH BASIN OF GREATER DIAMETER ARE SPECIFIED ON THE PLANS, THEIR CONSTRUCTION SHALL MEET THE TYPICAL CATCH BASIN SPECIFICATIONS.

NOTES:

- DETECTION/INFILTRATION BASIN DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
- CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS.
- OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.
- WHERE DETECTION/INFILTRATION BASIN OF GREATER DIAMETER ARE SPECIFIED ON THE PLANS, THEIR CONSTRUCTION SHALL MEET THE TYPICAL DETECTION/INFILTRATION BASIN SPECIFICATIONS.

NOTES:

- WET BASIN DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
- CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS.
- BASE OUTSIDE FACE OF MANHOLE JOINTS WITH NON-SHRINK MORTAR.
- WHERE WET BASIN OF GREATER DIAMETER ARE SPECIFIED ON THE PLANS, THEIR CONSTRUCTION SHALL MEET THE TYPICAL WET BASIN SPECIFICATIONS.

NOTES:

- WET BASIN BOTTOM AREA AND SLOPES TO BE SERVED WITH NEW ENGLAND CONSENSATION CULTURE MIX AS SUPPLIED BY NEW ENGLAND WETLAND PLANTS, INC. (OR APPROVED EQUAL).

NOTES:

- PAVED WATERWAY BOTTOM AREA AND SLOPES TO BE SERVED WITH NEW ENGLAND CONSENSATION CULTURE MIX AS SUPPLIED BY NEW ENGLAND WETLAND PLANTS, INC. (OR APPROVED EQUAL).

CALCULATED WATER LEVEL ELEVATIONS

| STORM | EL. |
|--------------------|-------|
| 2 YR STORM | 81.87 |
| 10 YR STORM | 82.29 |
| 25 YEAR STORM | 82.87 |
| 100 YEAR STORM | 83.00 |
| SPILLWAY ELEVATION | 84.00 |

CALCULATED WATER LEVEL ELEVATIONS

| STORM | EL. |
|--------------------|-------|
| 2 YR STORM | 79.44 |
| 10 YR STORM | 79.93 |
| 25 YEAR STORM | 80.28 |
| 100 YEAR STORM | 80.65 |
| SPILLWAY ELEVATION | 84.00 |

CALCULATED WATER LEVEL ELEVATIONS

| STORM | EL. |
|--------------------|-------|
| 2 YR STORM | 84.00 |
| 10 YR STORM | 82.00 |
| 25 YEAR STORM | 79.00 |
| 100 YEAR STORM | 79.00 |
| SPILLWAY ELEVATION | 48" |

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" |

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" |
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