

SHORELINE RESOURCES

TRUE VALUE MARINE HARDWARE

SITE PLANSET
 137 - 143 POPES ISLAND
 NEW BEDFORD, MASSACHUSETTS

SEPTEMBER 2019



Applicant:
 Shoreline Resources, LLC
 137 Popes Island
 New Bedford, MA 02740
 (774) 930-3795
 gscotttaber@hotmail.com

Owner of Record:
 Shoreline Resources, LLC
 137 Popes Island
 New Bedford, MA 02740
 (508) 990-7918
 charlie@quinnfisheries.com

Existing Use:
 #137: Standard Marine Outfitters
 #143: Machine Shop

Proposed Use:
 #137: Standard Marine Outfitters
 #143: True Value Retail Store, Bulk
 Item Storage, Machine Shop

**Project
 Location**



LOT REFERENCES:
 ASSESSORS: MAP 60 PARCEL 60-13
 DEED BOOK/PAGE: 11075/274

LOCATION MAP
 SCALE: 1" = 250'



BETA Group Inc.
 1 Springfield Street, Suite 4
 Chicopee, MA 01013
 413-331-5326

ISSUE DATE: SEPTEMBER 6, 2019
 REVISION DATE: SEPTEMBER 20, 2019

PLAN INDEX

SHEET NO.	DESCRIPTION	REVISION DATE
1	COVER SHEET	9/20/2019
2	EXISTING CONDITIONS PLAN	9/20/2019
3	CONSTRUCTION LAYOUT AND LIGHTING PLAN	9/20/2019
4	GRADING, DRAINAGE, UTILITY, LANDSCAPE, AND EROSION CONTROL PLAN	9/20/2019
5	DETAILS	9/20/2019

NEW BEDFORD ZONING REQUIREMENTS			
ZONING DISTRICT: INDUSTRIAL A (IA)			
	REQUIRED	EXISTING	PROPOSED
MIN. LOT AREA (SF)	0	131,160	131,160
MIN. LOT FRONTAGE (FT)	0	152	152
FRONT/SIDE/REAR SETBACKS - BUILDING (FT)	25	6	6
FRONT/SIDE/REAR SETBACKS - PARKING (FT)	0	0	0
MAX BUILDING HEIGHT (FT)	100	27	27
MAX LOT COVERAGE - BUILDINGS (%)	50	34	34
MIN GREEN SPACE (%)	20	15	15*
OFF-STREET PARKING SPACES	108	24	73**
COMPACT PARKING SPACES	N/A	0	0
ACCESSIBLE PARKING SPACES	4	2	4
VAN ACCESSIBLE PARKING SPACES	1	0	1
SCREENING BUFFERS (FT)	5	0	0***
UPLAND AREA (%)	N/A	100	100
UPLAND AREA (SF)	N/A	131,160	131,160

NOTES:
 *TO BE REQUESTED VIA WAIVER. NOTE THAT NO ALTERATIONS ARE PROPOSED TO THE FOOTPRINT OF BUILDINGS AND PARKING AREAS.
 ** REFER TO SHEET 3. REDUCED PARKING SPACE QUANTITY TO BE REQUESTED VIA SPECIAL PERMIT
 ***TO BE REQUESTED VIA WAIVER. SCREENING IS REQUIRED ALONG THE SOUTHERN PROPERTY LINE ONLY.

DRAWING SET: SITE PLANS
ISSUED FOR: LOCAL APPROVALS

BOARD APPROVAL _____

DATE _____

**PERMITTING
 SUBMISSION**



REGISTERED PROFESSIONAL _____ DATE _____

GENERAL NOTES

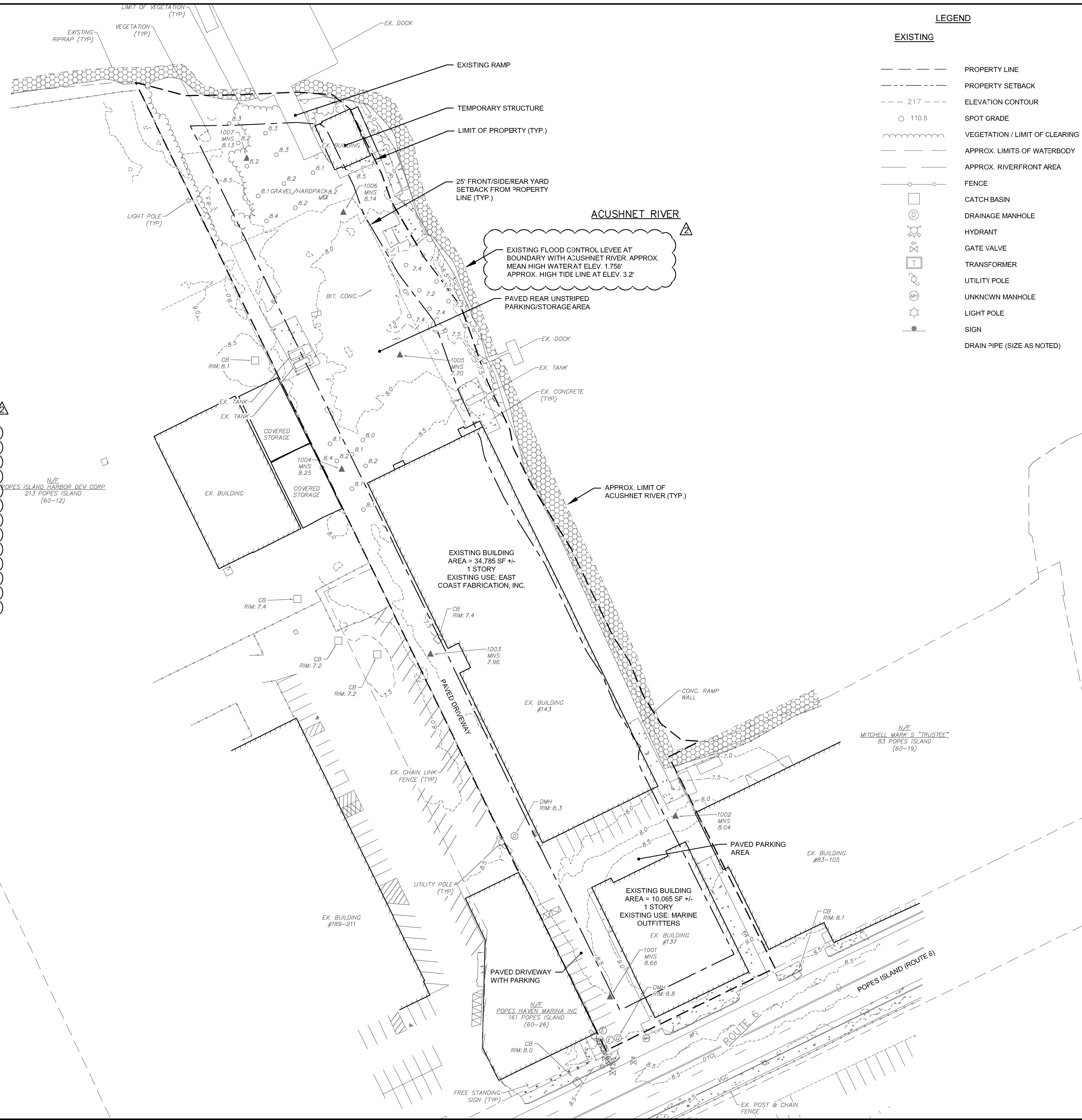
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT SURVEYS.
2. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES AT ALL TIMES AND NOTIFY ALL ADJACENT OWNERS IN ADVANCE OF ANY INTERRUPTIONS TO ACCESS.
3. ALL AREAS OUTSIDE THE LIMITS OF THE PROPOSED WORK THAT HAVE BEEN DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE ENGINEER AND THE PROPERTY OWNER.
4. ALL WORK SHALL COMPLY WITH OSHA'S LATEST STANDARDS. ALL REQUIREMENTS OF OSHA'S SAFETY STANDARDS SHALL BE PROVIDED BY THE CONTRACTOR, INCLUDING BUT NOT LIMITED TO THE PROVISION FOR A COMPETENT PERSON TO SERVE AS ON-SITE SAFETY MANAGER.
5. ALL PERSONNEL WORKING THE JOB SITE ARE REQUIRED TO HAVE COMPLETED OSHA 10 HOUR TRAINING.
6. PRIOR TO COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL FIELD VERIFY EXISTING SITE CONDITIONS, WITH PARTICULAR ATTENTION TO SUBSURFACE AND ABOVE GRADE UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION, SIZE, TYPE, DEPTH, ETC. OF ALL UNDERGROUND UTILITIES THAT MAY BE AFFECTED BY THE WORK.

PROPERTY LINE, TOPOGRAPHIC, AND WETLAND INFORMATION

1. EXISTING CONDITIONS SURVEY INFORMATION GENERATED FROM AERIAL AND SURVEY PERFORMED BY CIVILVIEW, INC. IN AUGUST OF 2019.
2. THE COORDINATES, IN FEET, ARE BASED UPON THE NORTH AMERICAN DATUM OF 1983 (NAD 83). THE VERTICAL DATUM IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. THE PROPERTY LINE AND TOPOGRAPHIC INFORMATION ON THE EXISTING CONDITIONS PLAN ARE BASED ON EXISTING RECORD DATA AND ARE FIT ONTO THE PLAN USING PHYSICAL FEATURES VISIBLE ON AERIAL PHOTO. LOCATIONS OF PROPERTY LINES SHOULD BE CONSIDERED APPROXIMATE.
4. THIS PARCEL IS LOCATED WITHIN A ZONE 'X' DESIGNATED FLOOD ZONE PER FEMA FLOOD INSURANCE RATE MAP 2505C0393G DATED JULY 16, 2014.

JURISDICTIONAL RESOURCE AREAS

1. LAND SUBJECT TO COASTAL STORM FLOWAGE: INCLUDES PORTIONS OF THE SITE LOCATED BELOW THE BASE FLOOD ELEVATION OF 6 FT.
2. LAND SUBJECT TO TIDAL ACTION: INCLUDES PORTIONS OF THE SITE LOCATED BELOW THE EXTREME HIGH TIDE ELEVATION.
3. LAND UNDER THE OCEAN: INCLUDES PORTIONS OF THE SITE LOCATED BELOW THE MEAN LOW WATER AT ELEVATION -1.84 FT.
4. DESIGNATED PORT AREA: INCLUDES ALL PORTIONS OF THE SITE.
5. COASTAL BEACH: INCLUDES THE PORTION OF THE SITE BETWEEN THE TOP OF THE 4:1 SLOPE ALONG THE ACUSHNET RIVER AND THE LANDWARD LIMIT OF THE ROCKY INTERTIDAL SHORE.
6. ROCKY INTERTIDAL SHORE: INCLUDES THE PORTION OF THE SITE BETWEEN THE MEAN HIGH WATER ELEVATION AT 1.76 FT AND THE MEAN LOW WATER ELEVATION AT -1.84 FT.
7. FISH RUN: COINCIDENT WITH THE COASTAL BANK
8. LAND CONTAINING SHELLFISH: INCLUDES PORTIONS OF THE SITE BELOW THE MEAN LOW WATER ELEVATION AT -1.84 FT.



LEGEND

- EXISTING**
- PROPERTY LINE
 - - - PROPERTY SETBACK
 - - - 217 - - - ELEVATION CONTOUR
 - 110.5 SPOT GRADE
 - ~ ~ ~ VEGETATION / LIMIT OF CLEARING
 - - - APPROX. LIMITS OF WATERBODY
 - - - APPROX. RIVERFRONT AREA
 - FENCE
 - CATCH BASIN
 - DRAINAGE MANHOLE
 - HYDRANT
 - GATE VALVE
 - TRANSFORMER
 - UTILITY POLE
 - UNKNOWN MANHOLE
 - LIGHT POLE
 - SIGN
 - DRAIN PIPE (SIZE AS NOTED)

PREPARED BY



PREPARED FOR:



Shoreline Resources, LLC
 706 Acushnet Ave.
 New Bedford, MA 02740



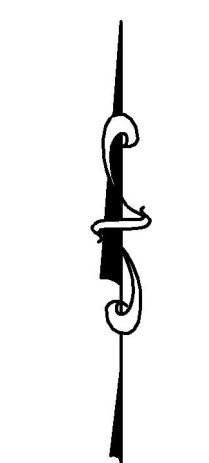
**TRUE VALUE
 MARINE HARDWARE**

137 - 143 Popes Island
 New Bedford, MA

**EXISTING
 CONDITIONS PLAN**

NO.	REVISIONS	DATE
2	CORRECTED EXISTING TOPOGRAPHY AND RESOURCE AREAS	9/20/2019
1	NO CHANGES ON THIS SHEET	9/6/2019

DRAWN BY: SLB
 DESIGNED BY: SLB
 CHECKED BY: DPR
 ISSUE DATE: SEPTEMBER 6, 2019
 BETA JOB NO.: 6727



40 0 40 80
 SCALE IN FEET: 1"=40'
 UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

SHEET NO.

2

09/20/2019 10:54 AM C:\BETA\DRAWING FILES\PLANS\SET143\POPES ISLAND-EXISTING CONDITIONS.DWG

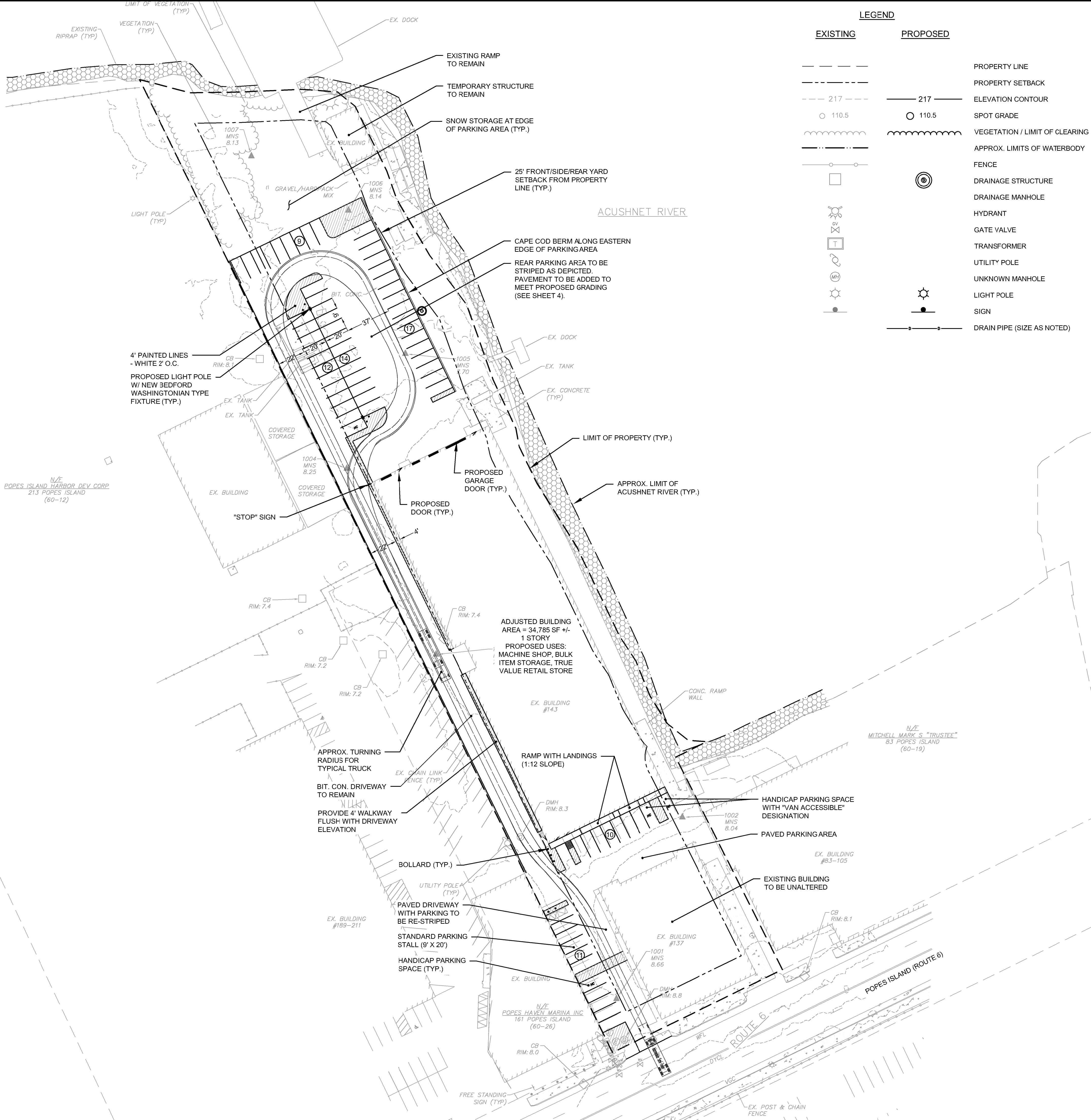
CONSTRUCTION

- CONTRACTOR SHALL VERIFY LOCATION OF ALL OBJECTS (SIGNS, TREES, GRATE, POLES ETC.) TO BE SET WITHIN SIDEWALK PRIOR TO FINAL PLACEMENT TO PROVIDE A MINIMUM CLEAR PATH OF 36" EXCLUDING THE CURB. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY LOCATION WHICH CANNOT MEET THE CLEARANCE REQUIREMENTS.
- JOINTS BETWEEN NEW PAVEMENT AND SAW-CUT EXISTING PAVEMENT SHALL BE SEALED WITH BITUMEN AND BACKSANDS.
- IN ALL LOCATIONS WHERE PROPOSED SIDEWALK TRANSITIONS DOWN TO MEET EXISTING GRADE, EXISTING SIDEWALK, OR PAVED AREA, THE SLOPE SHALL NOT EXCEED 1:12 AND SHALL BE ADA COMPLIANT.
- SIGNS, POLES AND OTHER FEATURES LOCATED IN PROPOSED CEMENT CONCRETE SIDEWALK SHALL BE BOXED AND PROVIDED FLEXIBLE JOINT FILLER.
- ALL PAVEMENTS MARKINGS, SIGNS, AND SAFETY CONTROLS FOR CONSTRUCTION OPERATIONS SHALL BE IN ACCORDANCE WITH MASSDOT REQUIREMENTS AND THE LATEST VERSION OF THE MUTCD.
- 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.
- ANY WORK AND MATERIAL WITHIN THE CITY RIGHT-OF-WAY SHALL CONFORM TO THE CITY OF NEW BEDFORD REQUIREMENTS.
- ALL HANDICAP PARKING, RAMP, AND ACCESS SHALL CONFORM TO AAB & MAAB REQUIREMENTS.
- 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 GRADING AND DRAINAGE PLAN).

PARKING

- PARKING REQUIREMENTS FOR THE SITE HAVE BEEN CALCULATED AS FOLLOWS:
 NEW BUSINESS STOREFRONT: 10,518 SF
 1 SPACE PER 200 SF FLOOR AREA = 53 SPACES
 NEW STORAGE UNIT: 5,175 SF
 1 SPACE PER 1,500 SF FLOOR AREA = 4 SPACES
 EXISTING MACHINE SHOP: 13,727 SF
 1 SPACE PER 500 SF FLOOR AREA = 38 SPACES
 EXISTING MARINE OUTFITTERS: SEE NOTE 2
 RETAIN EXISTING NUMBER OF SPACES = 13 SPACES

 TOTAL SPACES REQUIRED: 108 PARKING SPACES
 TOTAL SPACES PROVIDED: 13 PARKING SPACES (SEE NOTE 3)
- IT IS ASSUMED BY THIS DESIGN THAT EXISTING PARKING FOR THE 137 POPES ISLAND PROPERTY IS SUFFICIENT TO MEET THE NEEDS OF THE BUSINESS. THE PROPOSED DESIGN WILL RETAIN THIRTEEN (13) PARKING SPACES FOR THIS BUILDING, AND ADJUST EXISTING PARKING LAYOUT TO SATISFY ADA PARKING REQUIREMENTS, MEET NEW BEDFORD PARKING SPACE REGULATIONS, AND PROMOTE PEDESTRIAN SAFETY.
- REDUCED QUANTITY OF PARKING SPACES TO BE REQUESTED VIA SPECIAL PERMIT.
- ALL ACCESSIBLE PARKING SPACES SHALL BE DESIGNED TO MEET ALL STANDARDS OF THE AMERICANS WITH DISABILITIES ACT (ADA), INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF "HANDICAP PARKING" SIGNS WITH "VAN ACCESSIBLE" DESIGNATIONS WHERE APPROPRIATE.



LEGEND

EXISTING	PROPOSED	
---	---	PROPERTY LINE
---	---	PROPERTY SETBACK
---	---	ELEVATION CONTOUR
○ 110.5	○ 110.5	SPOT GRADE
~ ~ ~	~ ~ ~	VEGETATION / LIMIT OF CLEARING
---	---	APPROX. LIMITS OF WATERBODY
---	---	FENCE
□	⊗	DRAINAGE STRUCTURE
⊗	⊗	DRAINAGE MANHOLE
⊗	⊗	HYDRANT
⊗	⊗	GATE VALVE
⊗	⊗	TRANSFORMER
⊗	⊗	UTILITY POLE
⊗	⊗	UNKNOWN MANHOLE
⊗	⊗	LIGHT POLE
⊗	⊗	SIGN
---	---	DRAIN PIPE (SIZE AS NOTED)

PREPARED BY

 www.BETA-Inc.com

PREPARED FOR:

 Shoreline Resources, LLC
 706 Acushnet Ave.
 New Bedford, MA 02740

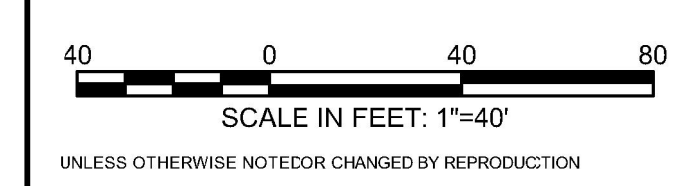
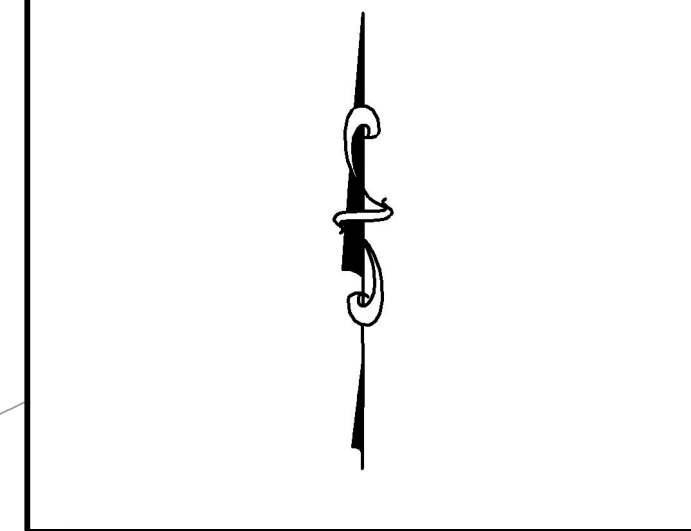
**TRUE VALUE
 MARINE HARDWARE**

137 - 143 Popes Island
 New Bedford, MA

**CONSTRUCTION
 LAYOUT AND
 LIGHTING PLAN**

NO.	REVISIONS	DATE
2	CORRECTED EXISTING TOPOGRAPHY AND RESOURCE AREAS	9/20/2019
1	NO CHANGES ON THIS SHEET	9/6/2019

DRAWN BY: SLB
 DESIGNED BY: SLB
 CHECKED BY: DPR
 ISSUE DATE: SEPTEMBER 6, 2019
 BETA JOB NO.: 6727

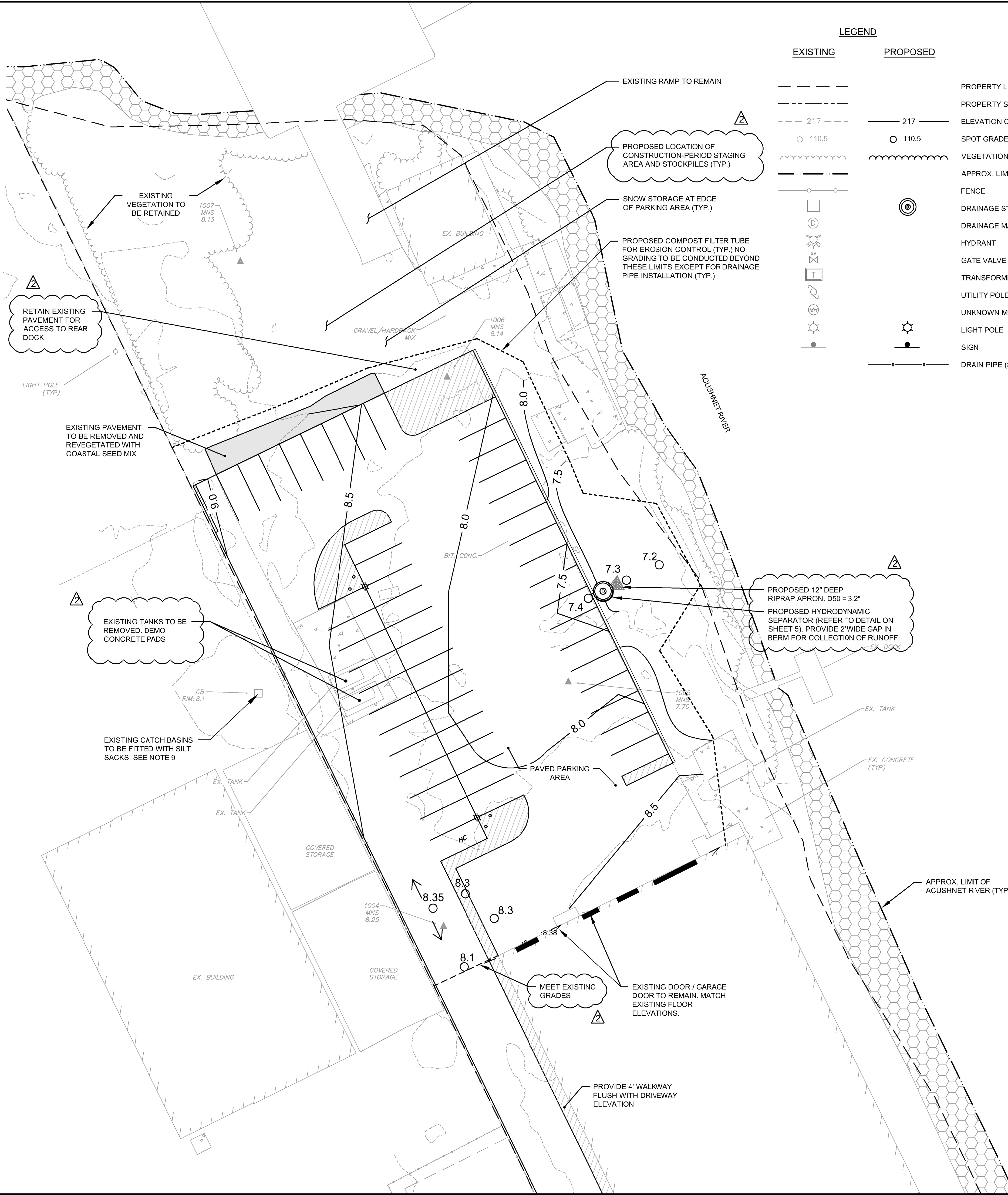


SHEET NO.
3

9/20/2019 10:55 AM C:\BETA\DRAWING FILES\PLANS\SET143\POPES ISLAND-GENERAL SITE PLAN.DWG

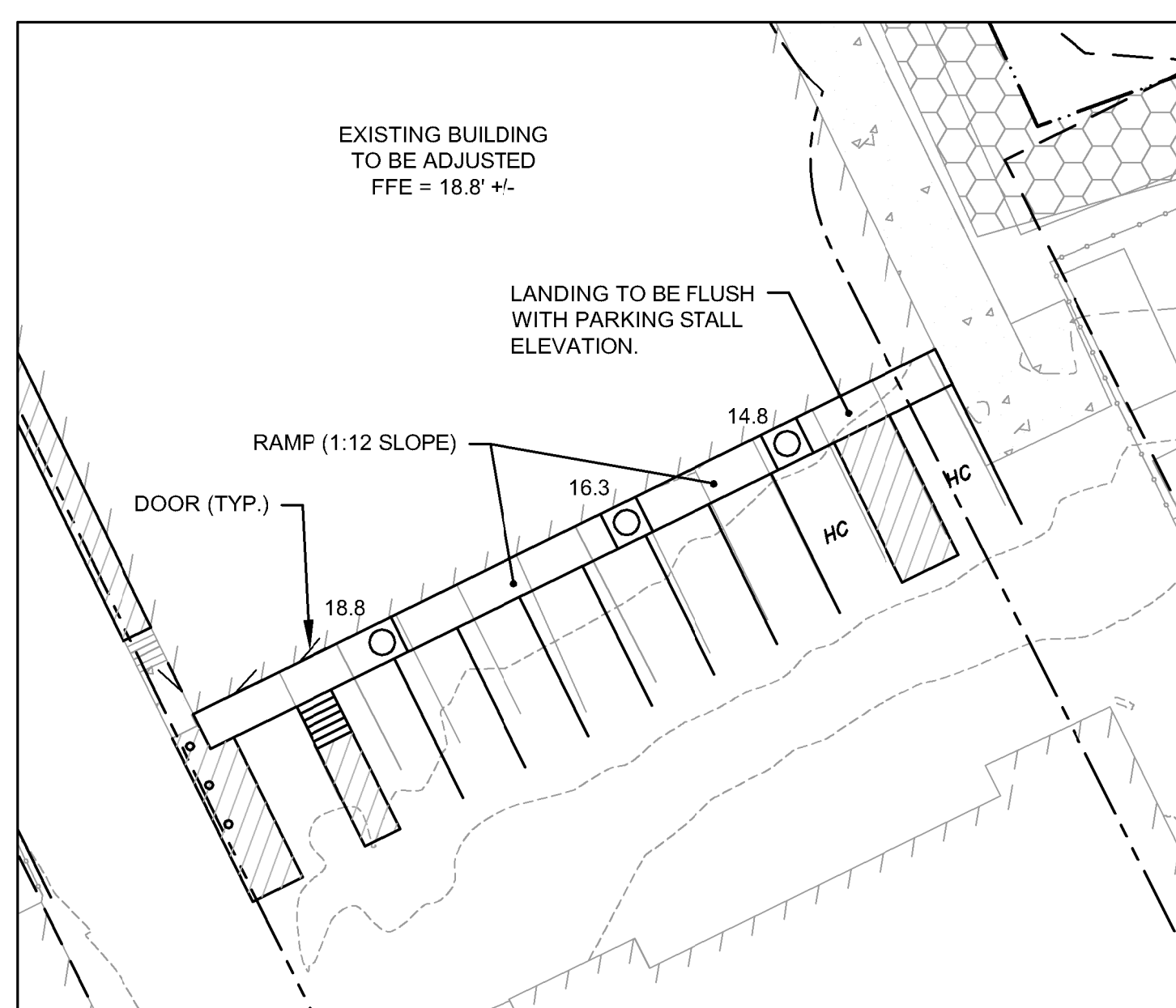
SITE PREPARATION AND EROSION CONTROL

1. THE CONTRACTOR SHALL NOTIFY DIG SAFE 72 HOURS PRIOR TO COMMENCING WORK.
2. THE CONTRACTOR'S ACCESS, STAGING, AND STORAGE AREAS SHALL BE LOCATED WITHIN THE LIMITS OF THE WORK AREA. NO WORK, STOCKPILING OF MATERIALS, STORAGE OF EQUIPMENT, OR OTHER OPERATIONS OF THE CONTRACTOR SHALL TAKE PLACE OUTSIDE THE LIMITS OF WORK UNLESS AUTHORIZED IN WRITING BY THE ENGINEER.
3. EROSION CONTROL DEVICES SHALL BE FULLY INSTALLED PRIOR TO THE START OF ANY SITE WORK, AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. THESE DEVICES SHALL BE REMOVED AND LEGALLY DISPOSED OF UPON COMPLETION OF ALL WORK WHEN ALL DISTURBED AREAS ARE STABILIZED AND PERMANENT GROUND COVER IS ESTABLISHED, TO THE SATISFACTION OF THE ENGINEER AND THE TOWN. ALL EROSION CONTROL BMPs SHALL CONFORM TO US EPA, NPDES, MA DEP, AND MASSACHUSETTS EROSION AND SEDIMENTATION CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS.
4. THE CONTRACTOR SHALL MONITOR ALL AREAS WITHIN AND AROUND THE LIMIT OF THE WORK FOR SIGNS OF EROSION, AND REPAIR/STABILIZE ANY ERODED AREAS, AS REQUIRED, UNTIL FINAL STABILIZATION CAN BE ACHIEVED.
5. THE CONTRACTOR IS RESPONSIBLE FOR MONITORING DOWNSTREAM CONDITIONS THROUGHOUT THE CONSTRUCTION PERIOD AND CLEARING ANY DEBRIS AND/OR SEDIMENT IMPEDING PROPER DRAINAGE DURING CONSTRUCTION.
6. NO SEDIMENT SHALL BE PERMITTED TO LEAVE THE SITE DURING CONSTRUCTION. IF HEAVY RAIN AND/OR UNUSUAL SITE CONDITIONS RESULT IN THE POLLUTION OF ROADWAYS, BUFFER ZONES, RESOURCE AREAS, OR ADJACENT PARCELS, CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. CONTRACTOR SHALL CLEAN ANY DISTURBED AREAS AS SOON AS PRACTICABLE AND RESTORE THEIR ORIGINAL CONDITIONS. CLEANING AND RESTORATION WITHIN BUFFER ZONES AND RESOURCE AREAS MUST BE PERFORMED UNDER THE SUPERVISION OF A WETLAND CONSULTANT, AS COORDINATED BY ENGINEER. WORK MAY ALSO BE OBSERVED BY THE CONSERVATION COMMISSION.
7. WHEN WORKING NEXT TO EXISTING TREES, WALLS, OR FENCES DESIGNATED TO REMAIN, THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION NOT TO DISTURB THESE STRUCTURES. IF THE CONTRACTOR DOES DAMAGE ANY EXISTING TREES, WALLS, OR FENCES AS A RESULT OF THE CONSTRUCTION PROCESS, IT SHALL BE THEIR RESPONSIBILITY (THE CONTRACTOR) TO REPAIR ALL DAMAGES AS DIRECTED BY THE ENGINEER. ALL WORK ASSOCIATED WITH THE REPAIR OR REPLACEMENT OF EXISTING TREES, WALLS, OR FENCES SHALL BE COMPLETED AT NO ADDITIONAL COMPENSATION.
8. CONTRACTOR SHALL SWEEP POPES ISLAND AND THE EXISTING ACCESS DRIVEWAY AT THE END OF EACH WORK DAY (OR MORE FREQUENTLY AS REQUESTED BY THE CITY OR ITS AGENT) TO REMOVE SEDIMENT TRACKING CAUSED BY PROJECT-RELATED CONSTRUCTION VEHICLES.
9. SILT SACKS SHALL BE INSTALLED WITHIN ANY CATCH BASINS AND DRAIN INLETS WITHIN THE LOT AND WITHIN THE VICINITY OF THE LIMIT OF WORK AS NECESSARY TO PREVENT SILT-LADEN RUNOFF FROM ENTERING THE TOWN STORM DRAIN SYSTEM.
10. ALL DISTURBED AREAS SHALL BE STABILIZED NO LATER THAN 14 DAYS AFTER A CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED ON THAT PORTION OF THE SITE.
11. ANY DISTURBED AREA EXPOSED FOR MORE THAN 7 DAYS SHALL BE STABILIZED WITH PERENNIAL RYE GRASS SEEDING OR APPROVED EQUIVALENT. ADDITIONALLY, A ROW OF STRAW WATTLES SHALL BE PLACED AND STAKED ON THE DOWNGRADIENT SIDE OF ALL SUCH AREAS. SEEDED AREAS SHALL BE RE-SEEDED AS NECESSARY TO ENSURE VEGETATION ESTABLISHMENT.
12. ALL STOCKPILES AND DISTURBED AREAS TO BE STABILIZED IF EXPOSED FOR MORE THAN 7 DAYS. ALL STOCKPILES SHALL BE SURROUNDED BY COMPOST FILTER RUBES, AND COVERED IN A MANNER THAT STORMWATER DOES NOT INFILTRATE THE MATERIAL. ALL STOCKPILES OVER 10' IN HEIGHT SHALL BE SURROUNDED BY SAFETY FENCING. NO STOCKPILE SHALL BE PLACED NORTH OF EAST OF THE PERIMETER EROSION CONTROLS.



LEGEND

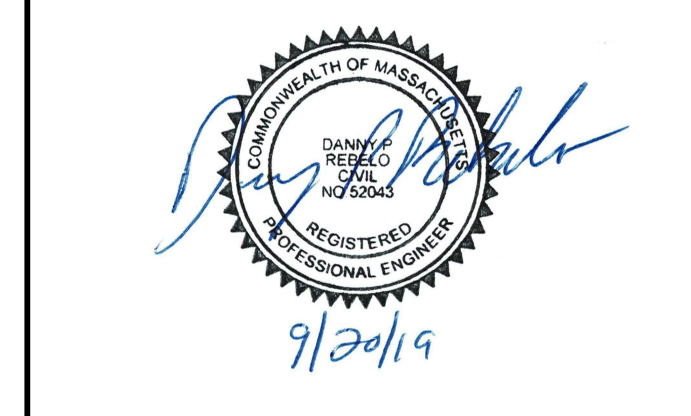
EXISTING	PROPOSED	
---	---	PROPERTY LINE
---	---	PROPERTY SETBACK
- - - 217 - - -	— 217 —	ELEVATION CONTOUR
○ 110.5	○ 110.5	SPOT GRADE
~~~~~	~~~~~	VEGETATION / LIMIT OF CLEARING
---	---	APPROX. LIMITS OF WATERBODY
□	⊙	FENCE
⊙	⊙	DRAINAGE STRUCTURE
⊙	⊙	DRAINAGE MANHOLE
⊙	⊙	HYDRANT
⊙	⊙	GATE VALVE
⊙	⊙	TRANSFORMER
⊙	⊙	UTILITY POLE
⊙	⊙	UNKNOWN MANHOLE
⊙	⊙	LIGHT POLE
⊙	⊙	SIGN
---	---	DRAIN PIPE (SIZE AS NOTED)



INSET A  
GRADING AT PROPOSED  
WHEELCHAIR RAMP  
SCALE: 1" = 20'

PREPARED BY  
**BETA**  
www.BETA-Inc.com

PREPARED FOR:  
**True Value**  
Shoreline Resources, LLC  
706 Acushnet Ave.  
New Bedford, MA 02740

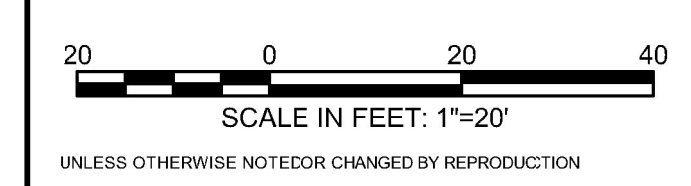
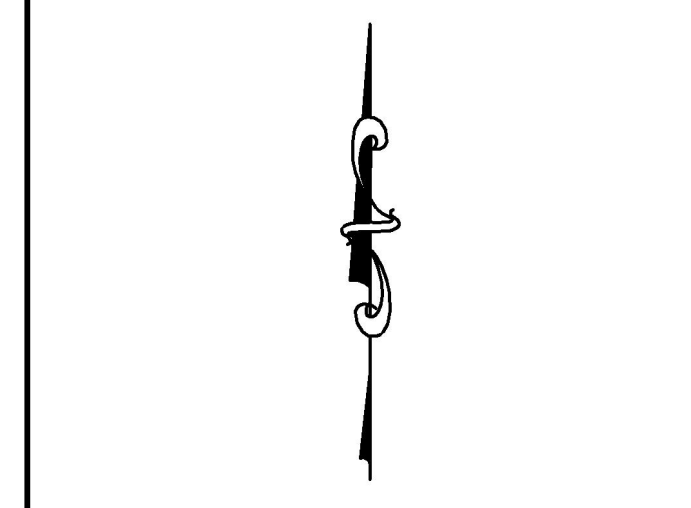


**TRUE VALUE  
MARINE HARDWARE**  
  
137 - 143 Popes Island  
New Bedford, MA

**GRADING, DRAINAGE,  
UTILITY, LANDSCAPE,  
AND EROSION  
CONTROL PLAN**

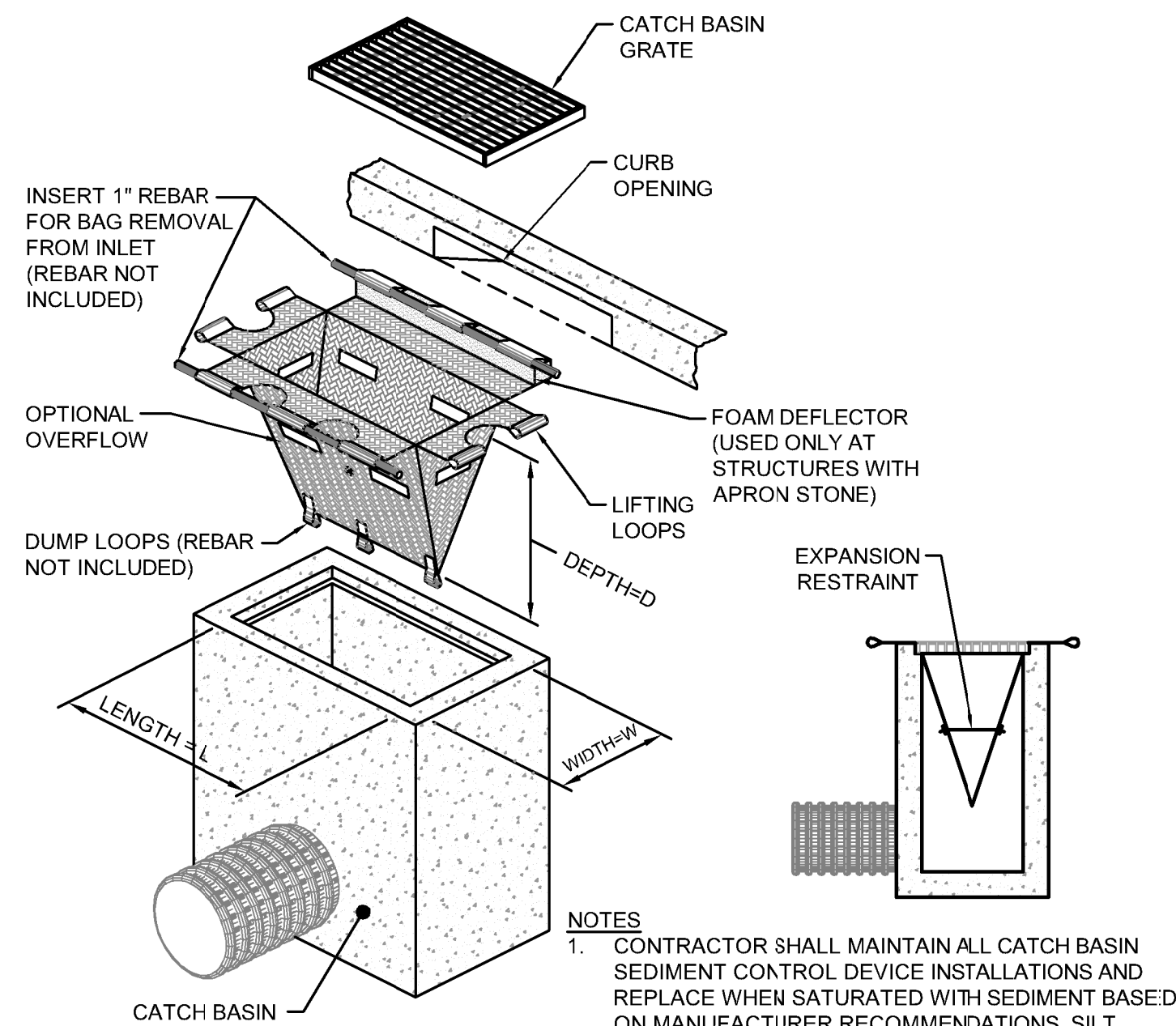
NO.	REVISIONS	DATE
2	CORRECTED EXISTING TOPOGRAPHY AND RESOURCE AREAS. ADJUSTED GRADING & STORMWATER DESIGN.	9/20/2019
1	ADDED INSET A	9/6/2019

DRAWN BY: SLB  
DESIGNED BY: SLB  
CHECKED BY: DPR  
ISSUE DATE: SEPTEMBER 6, 2019  
BETA JOB NO.: 6727



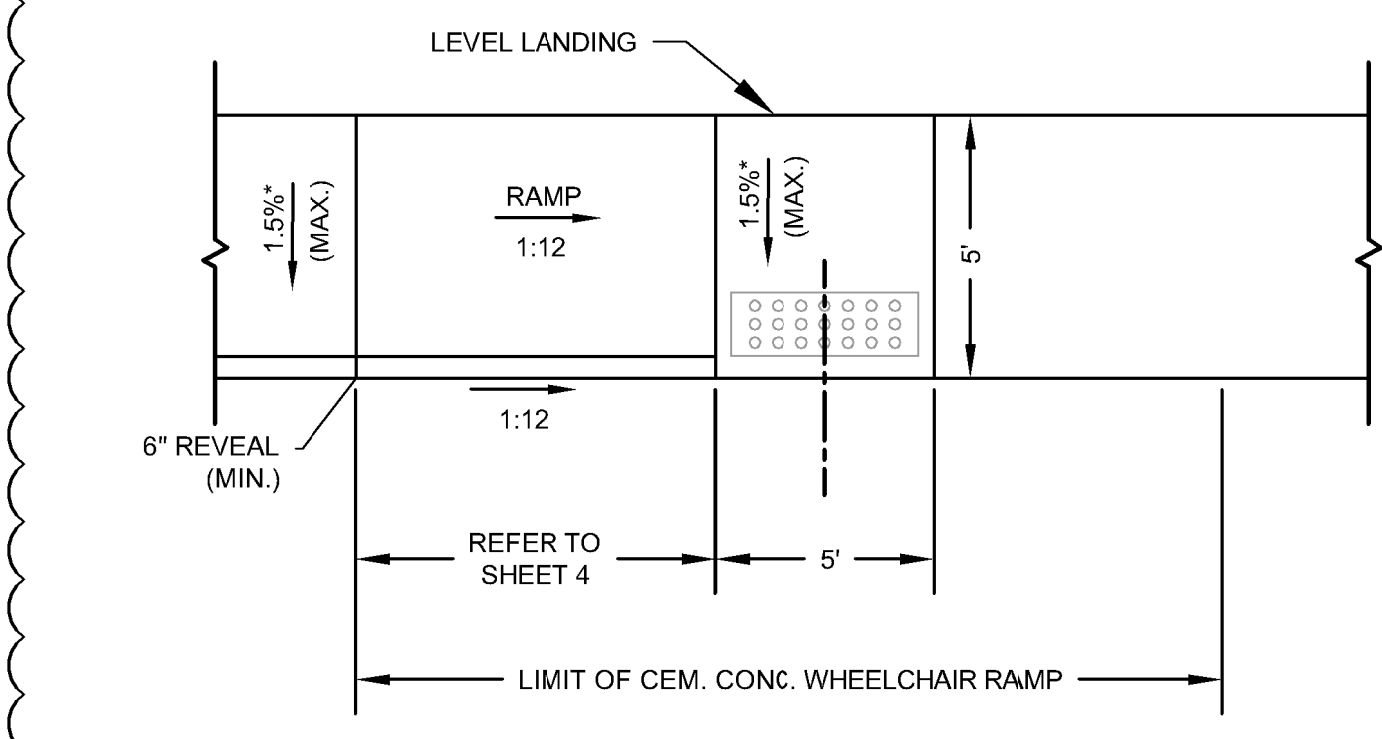
SHEET NO.  
**4**

09/20/19 10:54 AM C:\BETADRAWING\FILES\PLANS\SET143POPESISLAND-DRAINAGE\GRADING.DWG

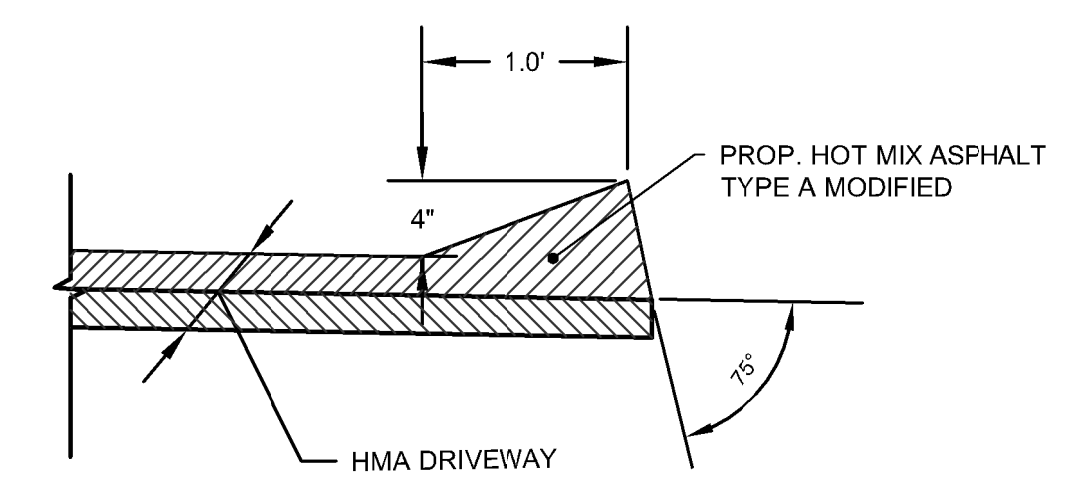


- NOTES**
- CONTRACTOR SHALL MAINTAIN ALL CATCH BASIN SEDIMENT CONTROL DEVICE INSTALLATIONS AND REPLACE WHEN SATURATED WITH SEDIMENT BASED ON MANUFACTURER RECOMMENDATIONS. SILT SACK SHALL BE INSPECTED AFTER EVERY RAIN EVENT BUT NO LONGER THAN EVERY TWO WEEKS.
  - SILT SACK SHALL BE DOUBLE NEEDLE SEWN POLYPROPYLENE GEOTEXTILE FABRIC AND RATED FOR HIGH FLOW UNLESS OTHERWISE DIRECTED.
  - CONTRACTOR SHALL PROVIDE CURB OPENING DEFLECTOR AT ALL CATCH BASINS AS NECESSARY.

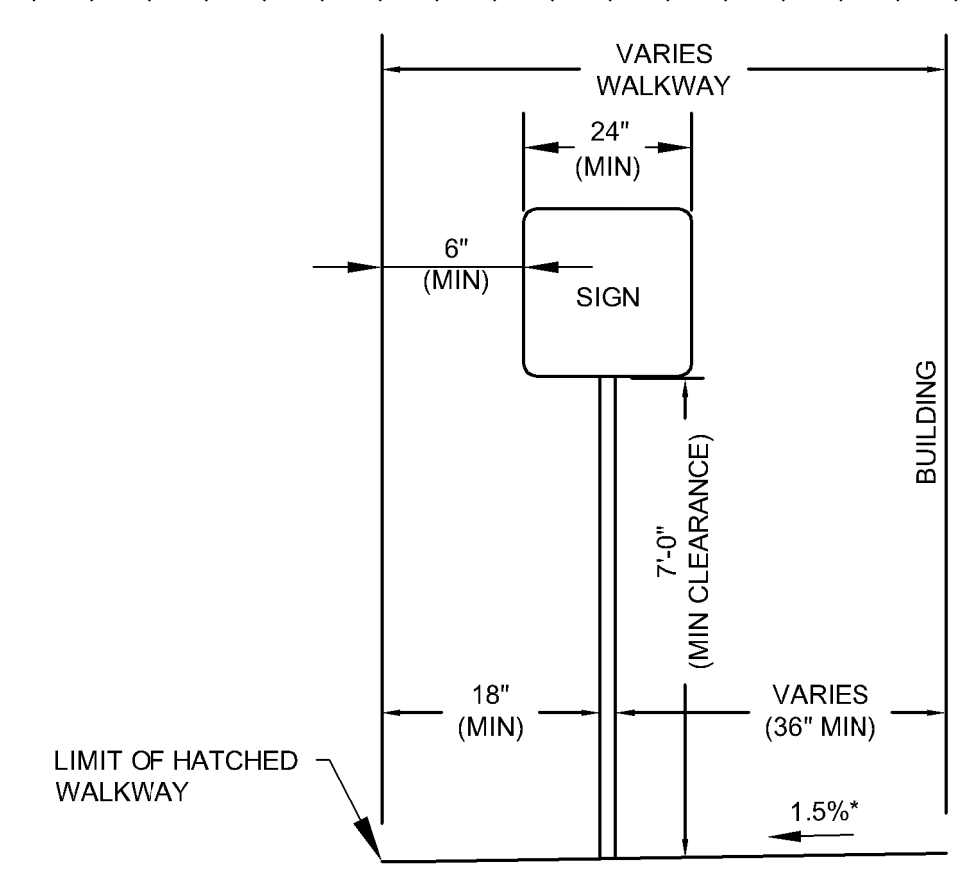
**CATCH BASIN SEDIMENT CONTROL PROTECTION**  
NOT TO SCALE



**WHEELCHAIR RAMP**  
NOT TO SCALE

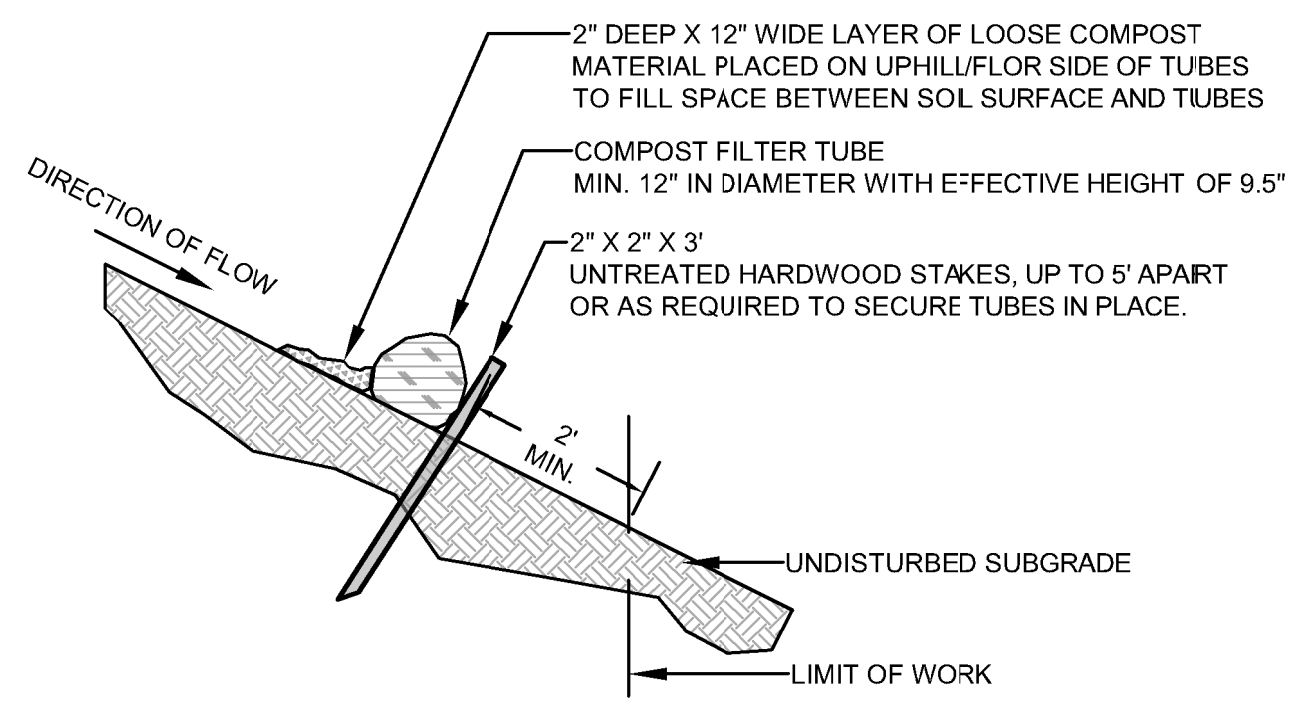


**HMA BERM TYPE A MODIFIED (CAPE COD BERM)**  
NOT TO SCALE



**WALKWAY MINIMUM CLEARANCE DETAILS**  
NOT TO SCALE

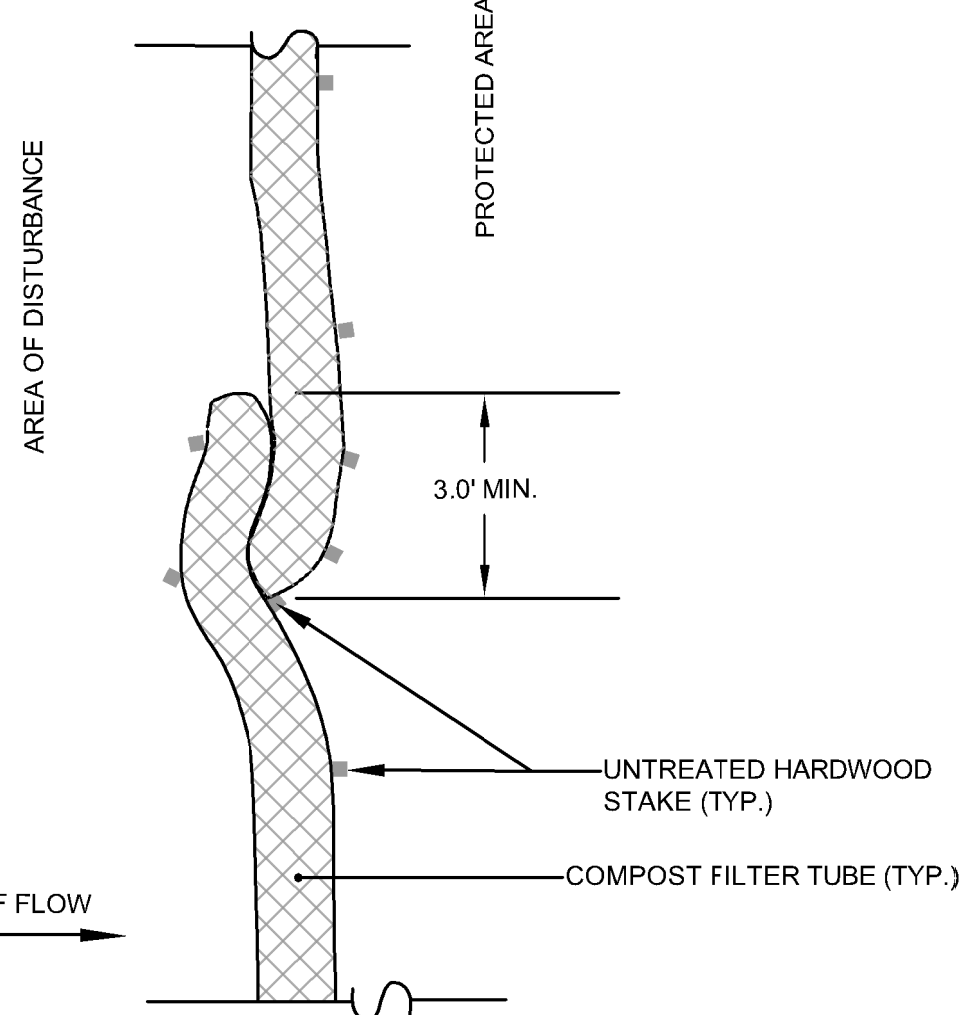
- NOTES**
- MINIMUM CLEAR PATH ON ALL SIDEWALKS SHALL BE 36 INCHES, EXCLUDING THE CURB.
  - CONTRACTOR SHALL VERIFY LOCATION OF ALL OBJECTS (SIGNS, POLES, ETC.) TO BE SET WITHIN SIDEWALK PRIOR TO FINAL PLACEMENT TO PROVIDE A MINIMUM CLEAR PATH OF 36 INCHES NOT INCLUDING CURB. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY LOCATION WHICH CANNOT MEET THE CLEARANCE REQUIREMENTS.
- * TOLERANCE FOR CONSTRUCTION ±0.5%



**COMPOST FILTER TUBE NOTES:**

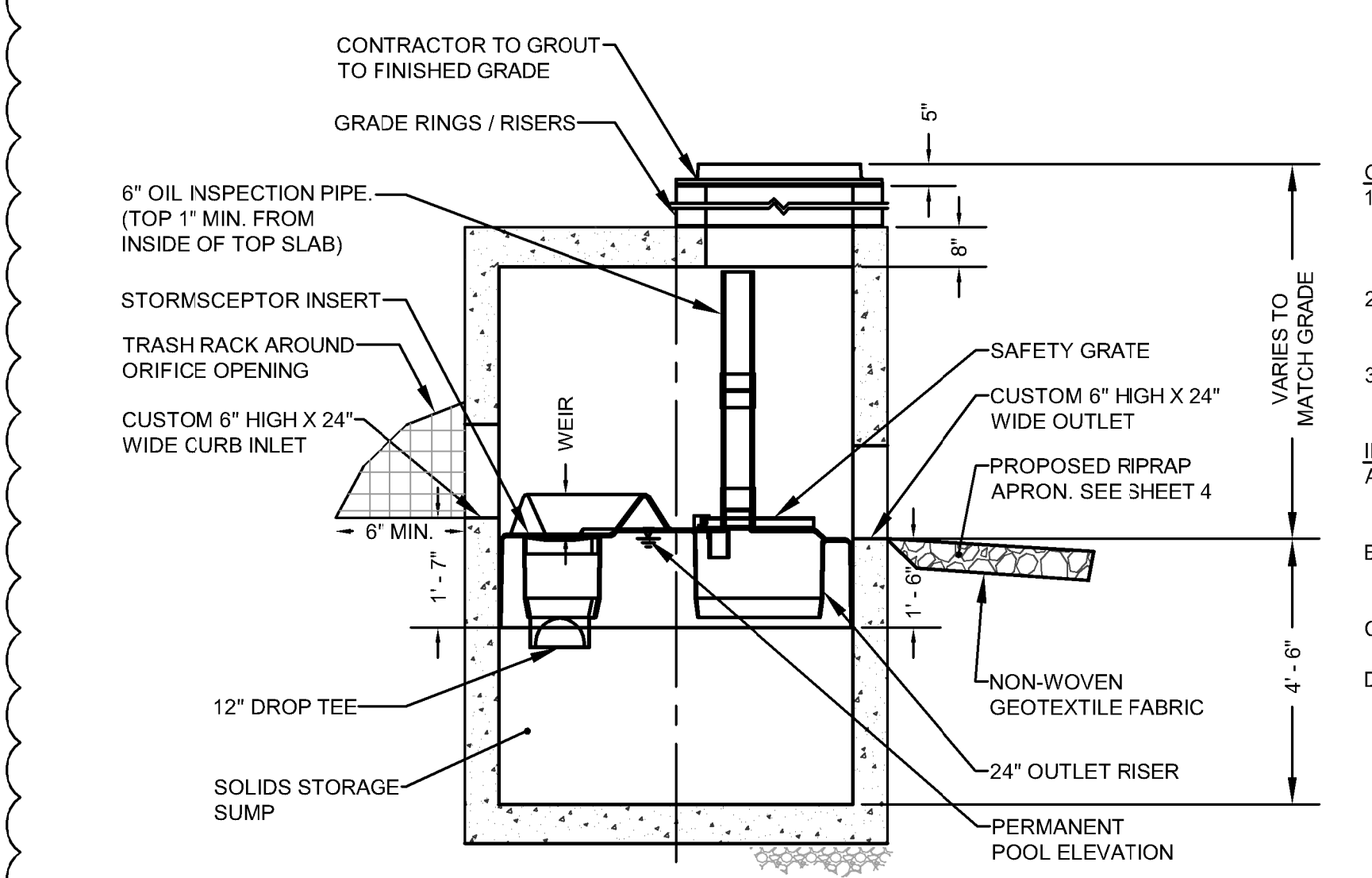
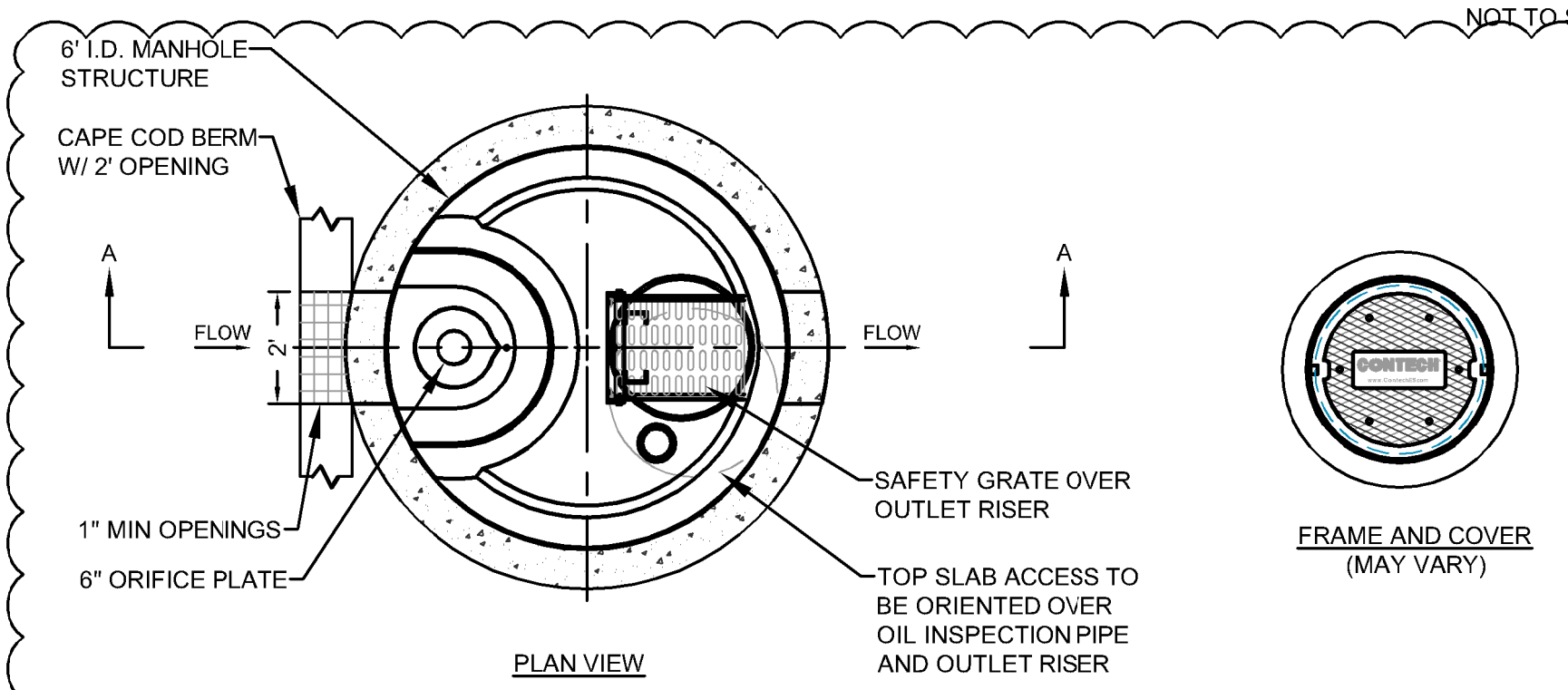
- PROVIDE A MINIMUM TUBE DIAMETER OF 12 INCHES FOR SLOPES UP TO 50 FEET IN LENGTH WITH A SLOPE RATIO OF 3H:1V OR STEEPER. LONGER SLOPES OF 3H:1V MAY REQUIRE LARGER TUBE DIAMETER OR ADDITIONAL COURSING OF FILTER TUBES TO CREATE A FILTER BERM. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR SITUATIONS WITH LONGER OR STEEPER SLOPES.
- INSTALL TUBES ALONG CONTOURS AND PERPENDICULAR TO SHEET OR CONCENTRATED FLOW.
- DO NOT INSTALL IN PERENNIAL, EPHEMERAL OR INTERMITTENT STREAMS.
- CONFIGURE TUBES AROUND EXISTING SITE FEATURES TO MINIMIZE SITE DISTURBANCE AND MAXIMIZE CAPTURE AREA OF STORMWATER RUN-OFF.
- TUBES FOR COMPOST FILTERS SHALL BE JUTE MESH OR APPROVED BIODEGRADABLE MATERIAL. ADDITIONAL TUBES SHALL BE USED AT THE DIRECTION OF THE ENGINEER.
- TAMP TUBES IN PLACE TO ENSURE GOOD CONTACT WITH SOIL SURFACE. IT IS NOT NECESSARY TO TRENCH TUBES INTO EXISTING GRADE.
- WHEN STAKING IS NOT POSSIBLE, SUCH AS WHEN TUBES MUST BE PLACED ON PAVEMENT, HEAVY CONCRETE OR CINDER BLOCKS CAN BE USED BEHIND TUBES UP TO 5' APART OR AS REQUIRED TO SECURE TUBES IN PLACE.
- PROVIDE A 3' MINIMUM OVERLAP AT ENDS OF TUBES TO JOIN IN A CONTINUOUS BARRIER AND MINIMIZE UNIMPEDED FLOW. STAKE JOINING TUBES SNUGLY AGAINST EACH OTHER TO PREVENT UNFILTERED FLOW BETWEEN THEM. SECURE ENDS OF TUBES WITH STAKES SPACED 18" APART THROUGH TOPS OF TUBES. DO NOT PUNCTURE TUBES WITH STAKES.

**COMPOST FILTER TUBE - SECTION VIEW**



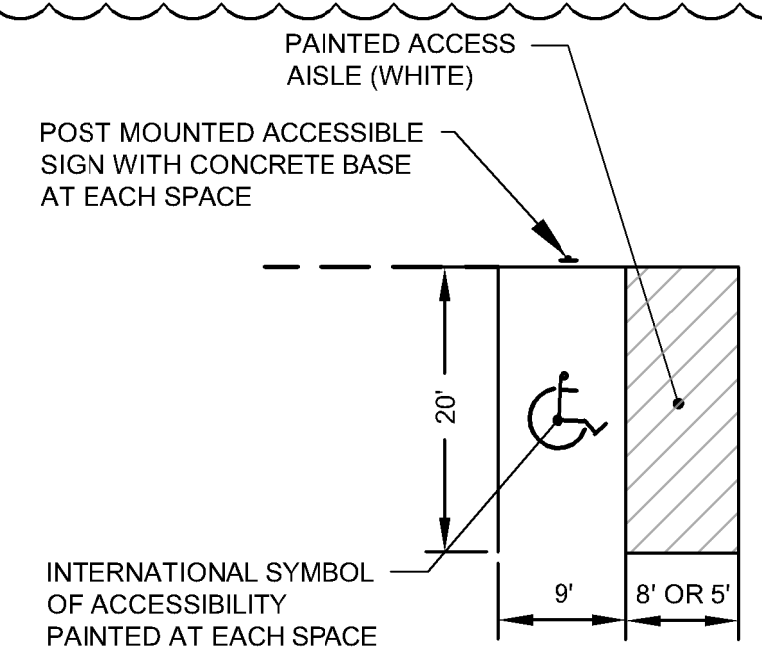
**COMPOST FILTER TUBE - PLAN VIEW**

**SINGLE COMPOST FILTER TUBE FOR EROSION CONTROL**  
NOT TO SCALE



**HYDRODYNAMIC SEPARATOR**  
NOT TO SCALE

- GENERAL NOTES**
- STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET HS20 (AASHTO M 306) LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
  - PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.
  - HYDRODYNAMIC SEPARATOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C473 AND AASHTO LOAD FACTOR DESIGN METHOD.
- INSTALLATION NOTES**
- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
  - CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
  - CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
  - CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.



- NOTES:**
- PAVEMENT SLOPE WITHIN ACCESSIBLE SPACE OR AISLE SHALL NOT EXCEED 2% GRADE.
  - PARKING SIGNS SHALL BE DESIGNED TO MEET ALL REQUIREMENTS OF ADA, INCLUDING "AN ACCESSIBLE" DESIGNATION WHERE SPECIFIED IN THE PLANS.
  - ALL PARKING SPACE STRIPING SHALL BE 4" PAINTED WHITE LINES.

**ACCESSIBLE PARKING SPACE**  
NOT TO SCALE

Shoreline Resources, LLC  
706 Acushnet Ave.  
New Bedford, MA 02740



137 - 143 Popes Island  
New Bedford, MA

**DETAILS**

NO.	REVISIONS	DATE
2	REVISED HYDRODYNAMIC SEPARATOR DESIGN, ADDED SIGN AND RAMP DETAILS.	9/20/2019
1	NO CHANGES ON THIS SHEET	9/6/2019

DRAWN BY: SLB  
DESIGNED BY: SLB  
CHECKED BY: DPR  
ISSUE DATE: SEPTEMBER 6, 2019  
BETA JOB NO.: 6727

9/9/2019 10:54 AM O:\670058\6727 - SHORELINE RESOURCES - LSP\DRAWING FILES\PLANS\SET1\43POPEISLAND-DETAILS.DWG