



Edgartown Planning Board

P.O. Box 5130, 70 Main Street, Edgartown, MA 02539

Tel: (508) 627-6170 Fax: (508) 627-6173

planningboard@edgartown-ma.us

CERTIFIED LETTER
Return Receipt Requested

September 11, 2018

Martha's Vineyard Commission
P.O. Box 1447
Oak Bluffs, MA 02557
Attention: Paul Foley, DRI Coordinator

RECEIVED
SEP 18 2018

RE: Referral of Martha's Vineyard Refuse District
Application for a Special Permit
750 West Tisbury Road (Assessors Parcel 25-4)

Dear Commissioners:


At the direction of the Chair of the Edgartown Planning Board, the above referenced application is referred to the Martha's Vineyard Commission under DRI Checklist Version 13, Items 1.2, 3.1, and 8.3.

At the Planning Board meeting of September 11, 2018, the applicant presented the plan, and answered the board's questions. The board determined that the proposal calls for a reorganization of both customer traffic and management of waste/recycling materials on the site. The plan does not, at this stage, appear to create new vertical construction, but will involve clearing of land, new roadways, and (likely) concrete retaining walls for placement of containers.

The board voted to refer the application to the MV Commission, and continued the public hearing to a date certain (November 27, 2018, 5:30 PM).

Please contact me with any questions.

Sincerely,


Douglas C. Finn
Administrative Assistant

Encl: *DRI Referral Form, completed*
Original Application, completed
Packet of plans: "Martha's Vineyard Refuse Disposal and Resource Recovery District Central Facility Transfer Station Circulation Improvements, for Permitting Purposes Only", prepared by Wright-Pierce Engineers, dated July 2018, pages C1-C8.

Cc: *Don Hatch, MVRRRD (via e-mail)*

Martha's Vineyard Commission – Referral Form for Developments of Regional Impact

RETURN THIS FORM WITH DRI REFERRAL

STATEMENT FROM MUNICIPAL LAND USE REGULATORY AGENCY: This Board has determined that the proposed project, for which application for a development permit has been made, is one of regional impact using the following criteria:

(Please circle the appropriate number or numbers using the DRI Checklist Standards & Criteria)

- 1.1 a) Discretionary Referral – “In-Town”
- 1.1 b) Discretionary Referral – “Between-Town”
- 1.1 c) Discretionary Referral – “Island-Wide”

1.2 Previous DRI's – Modification

- 2.1 Division of Land – Commercial
- 2.2 a) Division of Land – 10 or more lots
- 2.2 b) Division of Land – 6 or more lots (rural)
- 2.3 a) Division of Land – 10-16 acres, 3+ lots
- 2.3 b) Division of Land – 16-22 acres, 4+ lots
- 2.3 c) Division of Land – 22-30 acres, 5+ lots
- 2.3 d) Division of Land – 30+ acres, 6+ lots
- 2.4 a) Division of Farm Land – current
- 2.4 b) Division of Farm Land – Since 1974
- 2.4 c) Division of Farm Land- Prime Ag. Soil
- 2.5 Division of Habitat
- 2.6 ANR in Island Road or Coastal DCPC

3.1 a) Dev. of Commercial – 3,500 s.f.

- 3.1. b) Dev. of Comm – 2,500-3,000 s.f.
- 3.1 c) Dev. of Comm – Aux. of 1,000 s.f.
- 3.1 d) Dev. of Comm – Combination 2,500 s.f.
- 3.1 e) Dev. of Comm – 6,000 s.f. Outdoor Use
- 3.1 f) Dev. of Comm – Change of Use

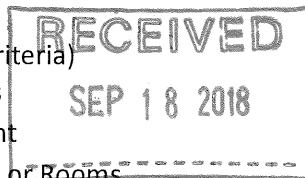
3.1 g) Dev. of Comm – Increased Intensity

- 3.1 h) Dev. of Comm – Parking 10+ vehicles
- 3.1 i) Dev. of Comm – High Traffic Generator
- 3.2 a) Mixed Use – 3,500 s.f.
- 3.2 b) Mixed Use – 4+ units
- 3.3 a) Changed Threshold – B-I and B-II Districts with Area Development Plans
- 3.3 b) Changed Threshold – Special Permit
- 3.3 c) Changed Threshold – no other trigger
- 3.4 a) Vehicular Refueling
- 3.4 b) Storage of fuel
- 3.4 c) Drive-thru window service
- 3.4 d) Restaurant in B-I (50+ seats)
- 3.4 e) Restaurant outside B-I
- 3.4 f) Formula Retail
- 3.4 g) Container or Trailer used for Storage

- 4.1 a) 10 or more Dwelling Units
- 4.1 b) 10 or more Rooms for Rent
- 4.1 c) 10 or more Dwelling Units or Rooms
- 5.1 a) Development in Harbors
- 5.1 b) Development in 10+ Acre Body of Water
- 5.1 c) Development in the Ocean
- 5.2 Change in Intensity of Use of Comm. Pier
- 5.3 a) New Comm. Facilities on Pier
- 5.3 b) Expansion of Comm. Facilities on Pier
- 5.3 c) Change in Intensity of Use of Pier
- 6.1 a) Private Place Assembly – 3,500+ s.f.
- 6.1 b) Private Place Assembly – 50+ seats
- 6.2 a) Public Place Assembly – 3,500+ s.f.
- 6.2 b) Public Place Assembly – 50+ seats
- 7.1 a) Transportation Facility to or from M.V.
- 7.1 b) Transportation Facility – Internal System
- 8.1 a) Demolition/Ext. Alt. of Historic Structure
- 8.1 b) Demolition/Ext. Alt Structure > 100 years
- 8.2 Archeology

8.3 Significant Habitat

- 8.4 a) Coastal DCPC – New access to coast
- 8.4 b) Coastal DCPC – New hard surface
- 8.4 c) Coastal DCPC – New parking for 5 vehicles
- 8.4 d) Coastal DCPC – Development on Noman's
- 8.5 a) Development on Current Farmland
- 8.5 b) Development on Former Farmland
- 8.5 c) Development on Prime Agricultural Soils
- 8.6 Development designated in DCPC
- 9.1 a) Telecommunications Tower over 35 feet
- 9.1 b) Telecommunications Tower Reconstruction
- 9.2 a) Wind Energy Facilities over 150 ft
- 9.2 b) Wind Energy Facilities in Ocean Zone
- 9.2 c) Wind Energy Facilities in Land Zone
- 9.2 d) Wind Energy Facilities near Town Bound
- 9.2 e) Wind Energy Facilities other
- 9.3 Solar Facilities greater than 50,000 s.f



Martha's Vineyard Commission – Referral Form for Developments of Regional Impact

RETURN THIS FORM WITH DRI REFERRAL

Name of Applicant: Martha's Vineyard Refuse District

Address: 750 West Tisbury Road, Edgartown, MA 02539

Phone: 508-627-4501

Fax: _____

Email: mvrefuse@comcast.net

This project will require the following permits from the following local Boards: ***(Please Specify)***

Building Permit: Building Permit

Board of Selectmen: ---

Board of Health: _____

Conservation Commission: Notice of Intent

Planning Board: Special Permit / Modification

Zoning Board of Appeals: _____

Wastewater Commission: _____

Others: _____

For Town Use Only

Referring Board or Agent: Planning Board

I have reviewed the development application and have determined that it meets one or more of the items contained in the Standards & Criteria, I am therefore sending, via certified mail, the development application to the Martha's Vineyard Commission as a Development of Regional Impact.

Signature: _____



Print Name: Douglas Finn, Admin Assistant

Board: Planning Board

Town: Edgartown

T: 508.693.3453 • F: 508.693.7894 • P.O. Box 1447 • 33 New York Avenue • Oak Bluffs, MA 02557

INFO@MVCOMMISSION.ORG • WWW.MVCOMMISSION.ORG

MARTHA'S VINEYARD COMMISSION • SERVING AQUINNAH, CHILMARK, EDGARTOWN, GOSNOLD, OAK BLUFFS, TISBURY & WEST TISBURY

MARTHA'S VINEYARD REFUSE DISPOSAL AND RESOURCE RECOVERY DISTRICT CENTRAL FACILITY TRANSFER STATION CIRCULATION IMPROVEMENTS

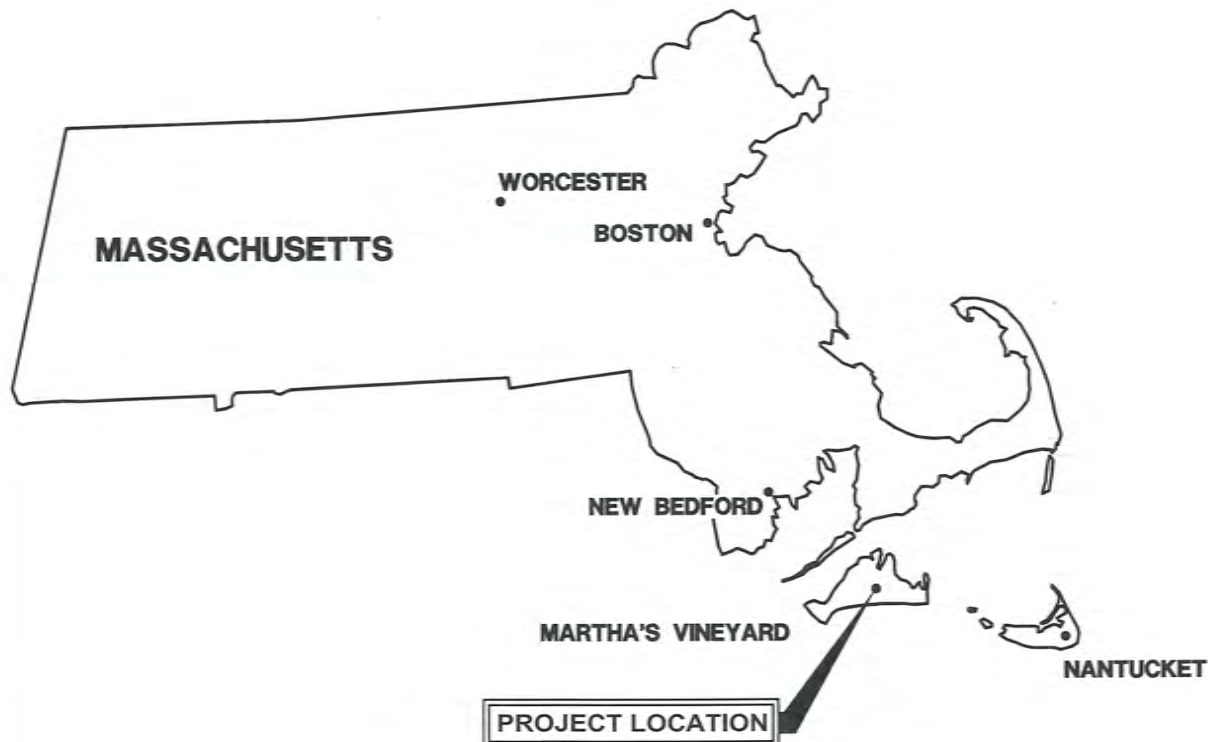
BID SET No. _____

JULY 2018

FOR PERMITTING PURPOSES ONLY

CIVIL

- C-1 GENERAL NOTES, LEGEND AND ABBREVIATIONS
- C-2 EXISTING SITE CONDITIONS AND DEMOLITION PLAN
- C-3 PROPOSED SITE PLAN
- C-4 LAYOUT PLAN
- C-5 GRADING AND LANDSCAPE PLAN
- C-6 RETAINING WALL PLAN, PROFILE AND DETAILS
- C-7 EROSION CONTROL NOTES AND DETAILS
- C-8 DETAILS



LOCATION PLAN
NTS



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Engineering a Better Environment

Offices Throughout New England
888.621.8156 | www.wright-pierce.com

FOR PERMITTING JULY 2018

WP PROJECT No. 13978A

GENERAL NOTES

- ALL ELEVATIONS REFER TO PROJECT TBM. A DISK SCRIBED "3" ON THE NORTH SIDE OF WEST TISBURY-EDGARTOWN ROAD ON THE EAST END OF CONCRETE ABUTMENT USGS BM ON QUAD MAP CALLED BM 23, ELEVATION 23.00 NGVD 1992.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
- THE CONTRACTOR IS REFERRED TO SECTION 01050 OF THE SPECIFICATIONS REGARDING COORDINATION WITH OTHERS, INCLUDING RESPONSIBILITIES AND RELATED COSTS.
- CONTRACTOR SHALL NOT TRACK OR SPILL EARTH, DEBRIS, OR OTHER CONSTRUCTION MATERIAL ON PUBLIC OR PRIVATE ROADS AND ACCESS ROADS. ALL MATERIAL THAT IS SPILLED OR TRACKED SHALL BE REMOVED IMMEDIATELY AND TO THE SATISFACTION OF THE OWNER AND AT NO COST TO OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTING CONDITIONS.
- THE OWNER WILL BE RESPONSIBLE FOR OBTAINING ANY PERMITS LISTED IN THE SUPPLEMENTARY CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH THE APPLICABLE PROVISIONS OF EACH PERMIT AS THEY APPLY TO THE WORK, PRIOR TO BIDDING. ALL OTHER PERMITS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL CONTROL DUST ON THE CONSTRUCTION SITE AND ALONG THE HAUL ROAD TO A REASONABLE LIMIT, AS DETERMINED BY THE ENGINEER, AS OUTLINED IN SPECIFICATION SECTION 01562.
- ALL GRUBBINGS AND CLEARED MATERIAL ARE THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF AT A SITE PROVIDED BY THE CONTRACTOR IN COMPLIANCE WITH ALL STATE AND LOCAL LAWS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL UNSUITABLE MATERIAL, DEBRIS AND EXCESS MATERIAL FROM WITHIN THE CONSTRUCTION SITE TO A SUITABLE SITE PROVIDED BY THE CONTRACTOR, IN COMPLIANCE WITH ALL STATE AND LOCAL REGULATIONS.
- DO NOT SCALE DISTANCES OR DIMENSIONS FROM THE DRAWINGS. WRITTEN DIMENSIONS SHALL PREVAIL. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
- REFER TO SPECIFICATION SECTION 01070 FOR A LISTING OF COMMONLY USED ABBREVIATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RE-ESTABLISHING AND RESETTling ALL EXISTING PROPERTY MONUMENTATION DISTURBED BY HIS OPERATION. THIS WORK SHALL BE DONE BY A LAND SURVEYOR REGISTERED IN THE COMMONWEALTH OF MASSACHUSETTS, AT NO ADDITIONAL COST TO THE OWNER.
- ANY DAMAGE TO EXISTING PROPERTY OWNED BY RESIDENTS AND PROPERTY OR WORK IN PROGRESS BY OTHERS AS A RESULT OF THE CONTRACTOR'S OR HIS SUBCONTRACTOR'S OPERATION SHALL BE MADE GOOD BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- CONTRACTOR SHALL REFER TO DRAWING C-2 FOR INFORMATION REGARDING EXISTING FACILITIES AND LIMIT OF WORK AND SILT FENCE LOCATION.
- CONTRACTOR SHALL FURNISH, OPERATE AND MAINTAIN DEWATERING EQUIPMENT FOR THE CONTROL COLLECTION AND DISPOSAL OF GROUND AND SURFACE WATER WHERE NECESSARY TO COMPLETE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPROPRIATE DISPOSAL OF FLOWS RESULTING FROM PRECIPITATION AS WELL AS HIS DEWATERING OPERATIONS. DISPOSE OF WATER PUMPED OR DRAINED FROM THE CONSTRUCTION SITE IN A SUITABLE MANNER TO AVOID PUBLIC NUISANCE, INJURY TO PUBLIC HEALTH, DAMAGE TO PUBLIC AND PRIVATE PROPERTY, AND DAMAGE TO THE WORK COMPLETED OR IN PROGRESS. PROVIDE SUITABLE TEMPORARY CHANNELS FOR WATER THAT MAY FLOW ALONG OR ACROSS THE CONSTRUCTION SITE. ALL FLOWS RESULTING FROM DEWATERING OPERATIONS SHALL BE RELEASED INTO A HAY BALE/SILT FENCE SEDIMENTATION AREA. THE LOCATION AND CONSTRUCTION OF THIS AREA SHALL BE APPROVED BY THE ENGINEER DISTRICT PRIOR TO BEGINNING ANY DEWATER OPERATIONS.
- KEEP WORK AREAS DEWATERED UNTIL FILL MATERIAL HAS BEEN PLACED AND COMPACTED TO SUCH AN EXTENT THAT COMPACTION WILL NOT BE DAMAGED BY WATER.
- ANY DAMAGE RESULTING FROM THE DEWATERING OPERATIONS, OR THE FAILURE OF THE CONTRACTOR TO MAINTAIN THE WORK IN A SUITABLY DRY CONDITION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DISTRICT.
- EXISTING CONTOURS AND TOPOGRAPHY OF LANDFILL SITE IS BASED ON TOPOGRAPHIC GROUND SURVEY BY WRIGHT-PIERCE ENGINEERS PERFORMED AUGUST, 1994 AND 2018.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF ALL PROPOSED WORK AS SHOWN ON THE DRAWINGS. ALL COORDINATES GIVEN ARE FROM CONSTRUCTION LAYOUT POINTS. THE ENGINEER DISTRICT WILL PROVIDE TWO POINTS THAT DEFINE THE CONSTRUCTION LAYOUT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THIS PROVIDED LAYOUT INFORMATION THROUGHOUT THE COURSE OF CONSTRUCTION. REPORT ANY LAYOUT DISCREPANCIES IMMEDIATELY TO THE ENGINEER DISTRICT.
- REFER TO THE LAYOUT AND SITE GRADING DRAWINGS FOR ADDITIONAL LAYOUT INFORMATION.
- IN GENERAL, THE GIVEN STRUCTURE LOCATIONS ARE TO THE OUTSIDE FACE OF THE STRUCTURE FOUNDATION WALL, NOT FOOTINGS. REFER TO THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR BUILDING AND STRUCTURE DIMENSIONS. RADII SHOWN FOR ROADS ARE TO EDGE OF PAVEMENT.
- THE LOCATION AND LIMITS OF ALL ON-SITE WORK AS SHOWN ON THE DRAWINGS SHALL BE REVIEWED/COORDINATED WITH, AND ACCEPTABLE TO, THE OWNER AND ENGINEER. THE CONTRACTOR SHALL LIMIT HIS ACTIVITIES TO THESE AREAS.
- BOLLARD LOCATIONS SHOWN ARE APPROXIMATE. REFER TO THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR THE PRECISE LOCATION OF BOLLARDS NEAR NEW STRUCTURES. COORDINATE BOLLARD LOCATION WITH THE ENGINEER. SEE DETAIL ON DRAWING C-6.
- STRIPPING OF TOPSOIL SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 02115. REFER TO DRAWING C-3, FOR LIMIT OF WORK/STRIPPING.
- ALL ROAD AREA SURFACES SHALL PITCH 2 PERCENT MINIMUM UNLESS OTHERWISE NOTED. REFER TO DRAWING C-6 FOR DETAILS.
- ALL AREAS THAT ARE EXCAVATED, FILLED, OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE LOAMED, GRADED, LIMED, FERTILIZED, SEEDED AND MULCHED, UNLESS OTHERWISE NOTED. THE TOP 6 INCHES OF SOIL SHALL BE LOAM. REFER TO SPECIFICATION SECTION 02485.
- ALL STORMWATER INFILTRATION BASIN INLETS SHALL BE PROTECTED BY HAY BALE FILTERS TO PREVENT ENTRY OF SEDIMENT FROM RUNOFF WATERS DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL COLLECTED SEDIMENT, AND THAT WHICH COLLECTS IN THE STORMWATER INFILTRATION BASINS.
- CONTRACTOR SHALL REMOVE AND REPLACE, OR REPAIR, ALL PAVEMENT AND OTHER ITEMS DAMAGED BY HIS CONSTRUCTION ACTIVITIES TO AT LEAST THEIR ORIGINAL CONDITION, TO THE SATISFACTION OF THE OWNER AND ENGINEER.
- WHERE EXISTING PAVEMENT ALONG THE WEST TISBURY-EDGARTOWN ROAD IS REMOVED AND REPLACED, MATCH EXISTING BASE MATERIAL DEPTH IF GREATER THAN SPECIFIED, AND GRADE TO MATCH EXISTING. COORDINATE FINE GRADING WITH THE ENGINEER.

GENERAL NOTES CONT'D

- ALL PIPING SHALL BE CLEANED, TO THE SATISFACTION OF THE ENGINEER/DISTRICT.
- ALL EQUIPMENT AND PIPING LAYOUT DIMENSIONS SHALL BE FIELD VERIFIED AND COORDINATED WITH EQUIPMENT SUPPLIED, AND/OR EXISTING CONDITIONS.
- THE UTILITY INFORMATION IS BASED ON INFORMATION PROVIDED BY EACH UTILITY. LOCATION OF PUBLIC UTILITIES SHOWN IS ONLY APPROXIMATE AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL ASCERTAIN THE LOCATION AND SIZE OF EXISTING UTILITIES IN THE FIELD WITH THE RESPECTIVE UTILITY COMPANY REPRESENTATIVE PRIOR TO COMMENCING WORK. REFER TO SPECIFICATION SECTION 01050. UTILITY CONTACTS ARE AS FOLLOWS:

TELEPHONE TELEPHONE
 BELL ATLANTIC
 BUSINESS SERVICE
 1-800-941-9900

 DIGSAFE
 1-888-344-7233
- ALL STRUCTURES AND PIPELINES LOCATED ADJACENT TO THE TRENCH EXCAVATION SHALL BE PROTECTED AND FIRMLY SUPPORTED BY THE CONTRACTOR UNTIL THE TRENCH IS BACKFILLED. INJURY TO ANY SUCH STRUCTURES CAUSED BY, OR RESULTING FROM, THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. ALL UTILITIES REQUIRING REPAIR, RELOCATION OR ADJUSTMENT AS A RESULT OF THE PROJECT SHALL BE COORDINATED THROUGH THE RESPECTIVE UTILITY.
- IN THOSE INSTANCES WHERE POWER OR TELEPHONE POLE SUPPORT IS REQUIRED, THE CONTRACTOR SHALL PROVIDE A MINIMUM 48-HOUR NOTIFICATION TO COMMONWEALTH ELECTRIC AND NEW ENGLAND TELEPHONE COMPANY RESPECTIVELY. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR TEMPORARY BRACING OF UTILITIES.
- CONTRACTOR SHALL INSTALL AND MAINTAIN TRAFFIC CONTROL SIGNS IN ACCORDANCE WITH MHD REQUIREMENTS.
- THE WEST TISBURY-EDGARTOWN ROAD FALLS WITHIN THE JURISDICTION OF THE MASSACHUSETTS HIGHWAY DEPARTMENT (MHD). ALL WORK CONDUCTED WITHIN THIS ROADWAY MUST CONFORM TO MHD STANDARDS AND THE ROAD OPENING PERMIT.
- COMPACTION TESTS SHALL BE PERFORMED IN ACCORDANCE WITH SPECIFICATION SECTION 02200. ANY SETTLEMENT OCCURRING WITHIN ONE YEAR OF SUBSTANTIAL COMPLETION OF THE PROJECT WILL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- OPEN TRENCHES WITHIN DRIVES OR ROADWAYS MUST BE BACKFILLED AT THE END OF THE WORKDAY. OPEN TRENCHES OUTSIDE OF THE DRIVE/ROADWAY MAY BE LEFT OPEN IF THE CONTRACTOR PROVIDES ADEQUATELY SAFE BARRICAADING AND LIGHTS.

SITE LAYOUT NOTES

- THE LOCATION AND LIMITS OF ALL ON SITE WORK AND STORAGE AREAS SHALL BE REVIEWED AND COORDINATED WITH, AND ACCEPTABLE TO, THE OWNER AND ENGINEER. THE CONTRACTOR SHALL LIMIT HIS ACTIVITIES TO THESE AREAS.
- BOLLARD LOCATIONS ARE APPROXIMATE, COORDINATE LOCATIONS WITH THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF ALL PROPOSED WORK AS SHOWN ON THE DRAWINGS. THE ENGINEER WILL PROVIDE ELECTRONIC DATA FOR HORIZONTAL CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THIS CONTROL THROUGHOUT THE PROJECT.
- DO NOT SCALE DRAWINGS UNLESS OTHERWISE NOTED. WRITTEN DIMENSIONS AND COORDINATES SHALL PREVAIL. TOPOGRAPHY BASED ON SURVEY COMPILED BY WOODS AND CURRAN AND BY WRIGHT-PIERCE DATED APRIL 15, 2015. ORIENTATION IS GRID NORTH AND COORDINATE SYSTEM IS NAD 83 MASSACHUSETTS STATE PLANE MAINLAND ZONE U.S. FOOT. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
- PLACE CRUSHED STONE MOWING STRIP AROUND THOSE STRUCTURES AS INDICATED ON THE LAYOUT DRAWINGS. SEE CIVIL DETAILS.
- PARKING SPACES SHALL BE 10' WIDE x 18' LONG FOR REGULAR SPACES. SEE CIVIL DETAILS FOR LAYOUT OF HANDICAP SPACES.

CIVIL ABBREVIATIONS

&	AND
#, DIA	DIAMETER
#, NO	NUMBER
AC	ASBESTOS CEMENT
APP'D	APPROVED
BLDG	BUILDING
BOT	BOTTOM
CB	CATCH BASIN
CEN	CENTER
CFS	CUBIC FEET PER SECOND
CI	CAST IRON
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
COR	CORNER
CY	CUBIC YARD
DEMO	DEMOLITION
DMH	DRAIN MANHOLE
DI	DUCTILE IRON
DR	DRAIN
DWG	DRAWING
EL	ELEVATION
EMH	ELECTRIC MANHOLE
FM	FORCE MAIN
FT	FEET
G	GAS
HYD	HYDRANT
HDPE	HIGH DENSITY POLYETHYLENE PIPE
IN	INCH
INV	INVERT
LBS	POUNDS
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MW	MONITORING WELL
N	NORTH
NGVD	NATIONAL GEODETIC VERTICAL DATUM
N/A	NOT AVAILABLE/APPLICABLE
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
PC	PERFORATED CLAY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
S	SLOPE, SEWER
SD	STORM DRAIN
SF	SQUARE FEET
SMH	SANITARY SEWER MANHOLE
SQ	SQUARE
STA	STATION
T, XFMR	TRANSFORMER
TBM	TEMPORARY BENCH MARK
THK	THICKNESS
TOS	TOP OF STRUCTURE
TYP	TYPICAL
UD	UNDERDRAIN
UG	UNDERGROUND
UGE	UNDERGROUND ELECTRIC
VC	VITRIFIED CLAY
W/	WITH
W	POTABLE WATER

LEGEND

EXISTING	PROPERTY/ROW LINE	PROPOSED
---	PROPERTY/ROW LINE	---
---	SETBACK LINE	---
---	EASEMENT LINE	---
---	CENTERLINE	---
---	EDGE OF PAVEMENT	---
---	CURBING	---
---	EDGE OF GRAVEL	---
---	EDGE OF CONCRETE	---
---	CONTOUR	---
---	BUILDING	---
---	STONEWALL	---
---	TREELINE	---
---	CHAIN LINK FENCE	---
---	STOCKADE FENCE	---
---	BARB WIRE FENCE	---
---	RETAINING WALL	---
---	GUARDRAIL	---
---	SEWER	---
---	SEWER FORCE MAIN	---
---	GAS	---
---	WATER	---
---	STORM DRAIN	---
---	UNDERDRAIN	---
---	CULVERT	---
---	UNDERGROUND ELECTRIC	---
---	OVERHEAD ELECTRIC	---
---	IRON PIPE/REBAR	---
---	DRILLHOLE	---
---	MONUMENT	---
---	SURVEY CONTROL POINT	---
---	SPOT ELEVATION	---
---	SEWER MANHOLE	---
---	DRAINAGE MANHOLE	---
---	CATCH BASIN	---
---	ELECTRIC MANHOLE	---
---	TELEPHONE MANHOLE	---
---	SHUTOFF VALVE	---
---	WATER SERVICE SHUTOFF	---
---	YARD HYDRANT	---
---	HYDRANT	---
---	UTILITY POLE	---
---	UTILITY POLE W/ GUY	---
---	UTILITY POLE W/ LIGHT	---
---	LIGHT POLE	---
---	BOLLARD	---
---	STATION	---
---	FLAGPOLE	---
---	CONIFEROUS TREE	---
---	DECIDUOUS TREE	---
---	SHRUB	---
---	EDGE OF WATER	---
---	STREAM	---
---	EDGE OF WETLANDS	---
---	FLOODPLAIN	---
---	WETLANDS	---
---	DRAINAGE FLOW	---
---	DRAINAGE SWALE	---
---	PAVEMENT MARKINGS	---
---	SIGN	---
---	MAILBOX	---
---	TEMPORARY BENCH MARK	---
---	TEST PIT	---
---	TEST BORING	---
---	TEST PROBE	---
---	MONITORING WELL	---
---	LIMIT OF WORK	---
---	SILT FENCE	---
---	REPRAP	---
---	RAILROAD	---
---	MATCHLINE	---
---	ROCK OUTCROP	---

FOR PERMITTING PURPOSES ONLY
PROGRESS PRINTS
JUNE 2018

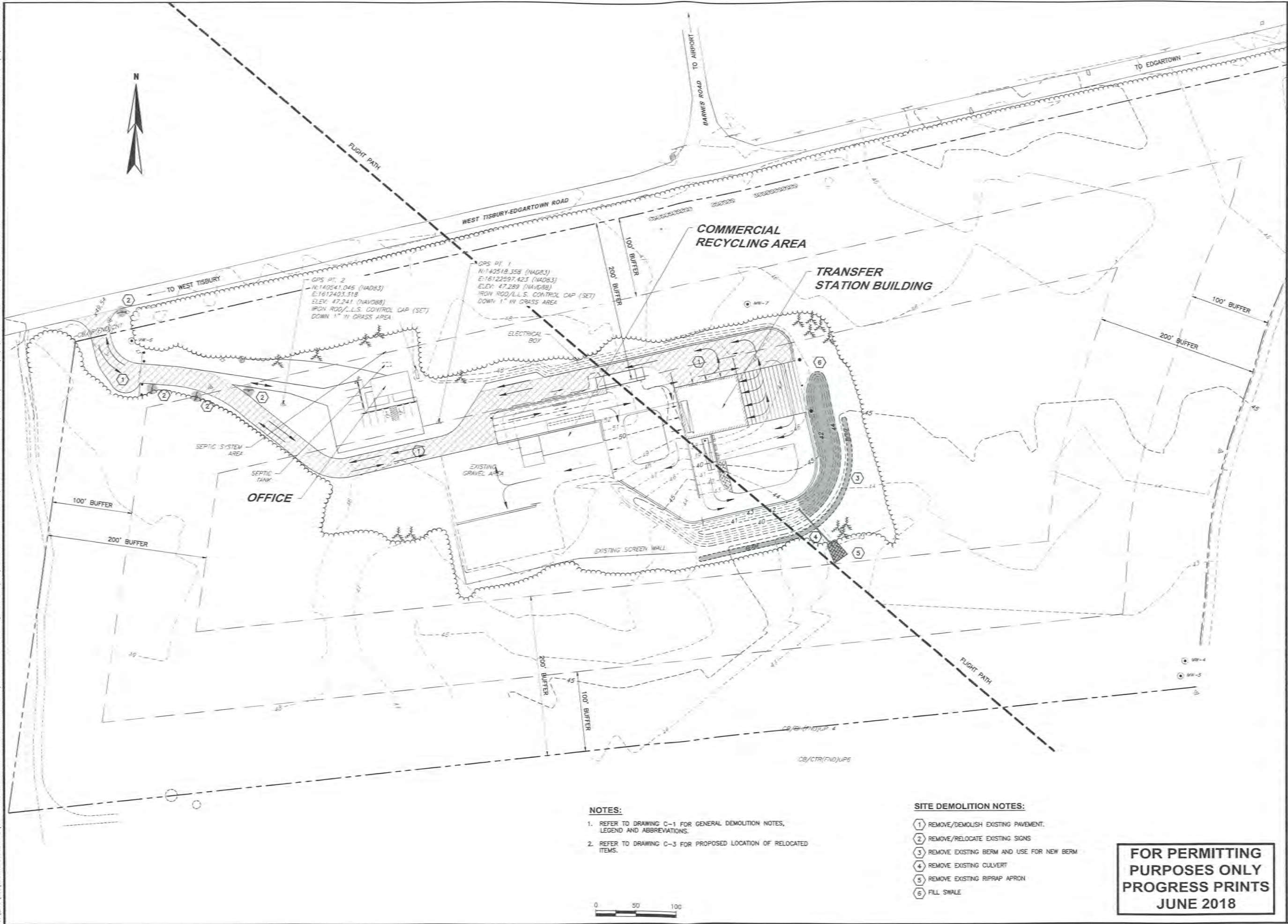
ISSUED BY: DAR	DATE: 07/16	PROJECT NO: 1307BA
CHKD BY: ASB		
APP'D BY: [Signature]		
FOR PERMITTING		
DATE: 7/18		

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MARTHA'S VINEYARD REFUSE DISPOSAL & RESOURCE RECOVERY DISTRICT
CENTRAL FACILITY TRANSFER STATION
CIRCULATION IMPROVEMENTS

GENERAL NOTES, ABBREVIATIONS AND LEGEND

DRAWING
C-1

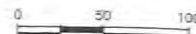


NOTES:

1. REFER TO DRAWING C-1 FOR GENERAL DEMOLITION NOTES, LEGEND AND ABBREVIATIONS.
2. REFER TO DRAWING C-3 FOR PROPOSED LOCATION OF RELOCATED ITEMS.

SITE DEMOLITION NOTES:

- 1 REMOVE/DEMOLISH EXISTING PAVEMENT.
- 2 REMOVE/RELOCATE EXISTING SIGNS
- 3 REMOVE EXISTING BERM AND USE FOR NEW BERM
- 4 REMOVE EXISTING CULVERT
- 5 REMOVE EXISTING RIPRAP APRON
- 6 FILL SWALE



**FOR PERMITTING
PURPOSES ONLY
PROGRESS PRINTS
JUNE 2018**

NO.	FOR PERMITTING	DATE
1		7/18

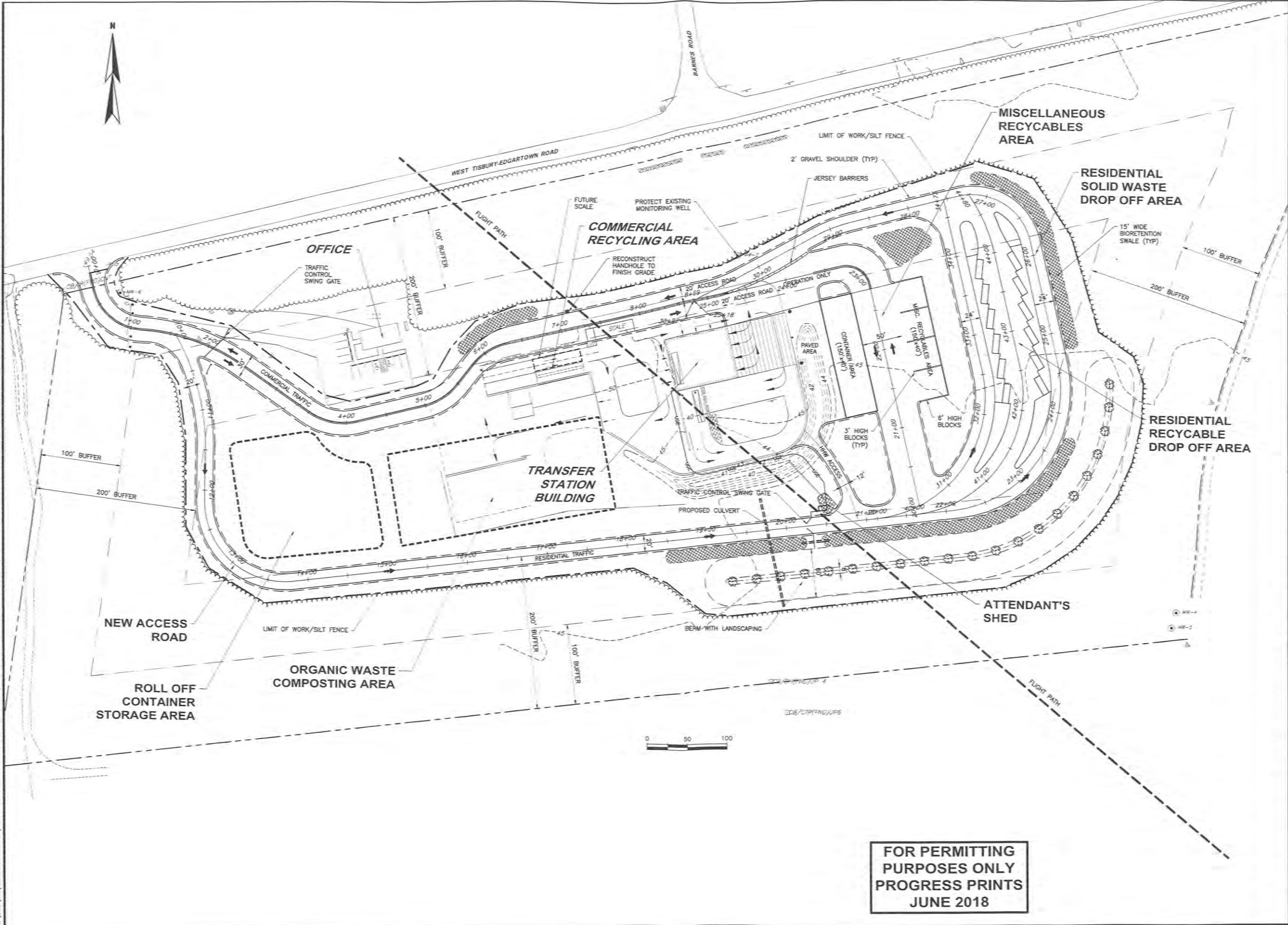
DESIGNED BY	DAR
CHECKED BY	RUB
DATE	07/18
PROJECT NO.	13978A

WRIGHT-PIERCE
Engineering a Better Environment
888.621.8156 | www.wright-pierce.com

MARTHA'S VINEYARD REFUSE DISPOSAL & RESOURCE RECOVERY DISTRICT
CENTRAL FACILITY TRANSFER STATION
CIRCULATION IMPROVEMENTS
EXISTING SITE CONDITIONS AND DEMOLITION PLAN

DRAWING
C-2

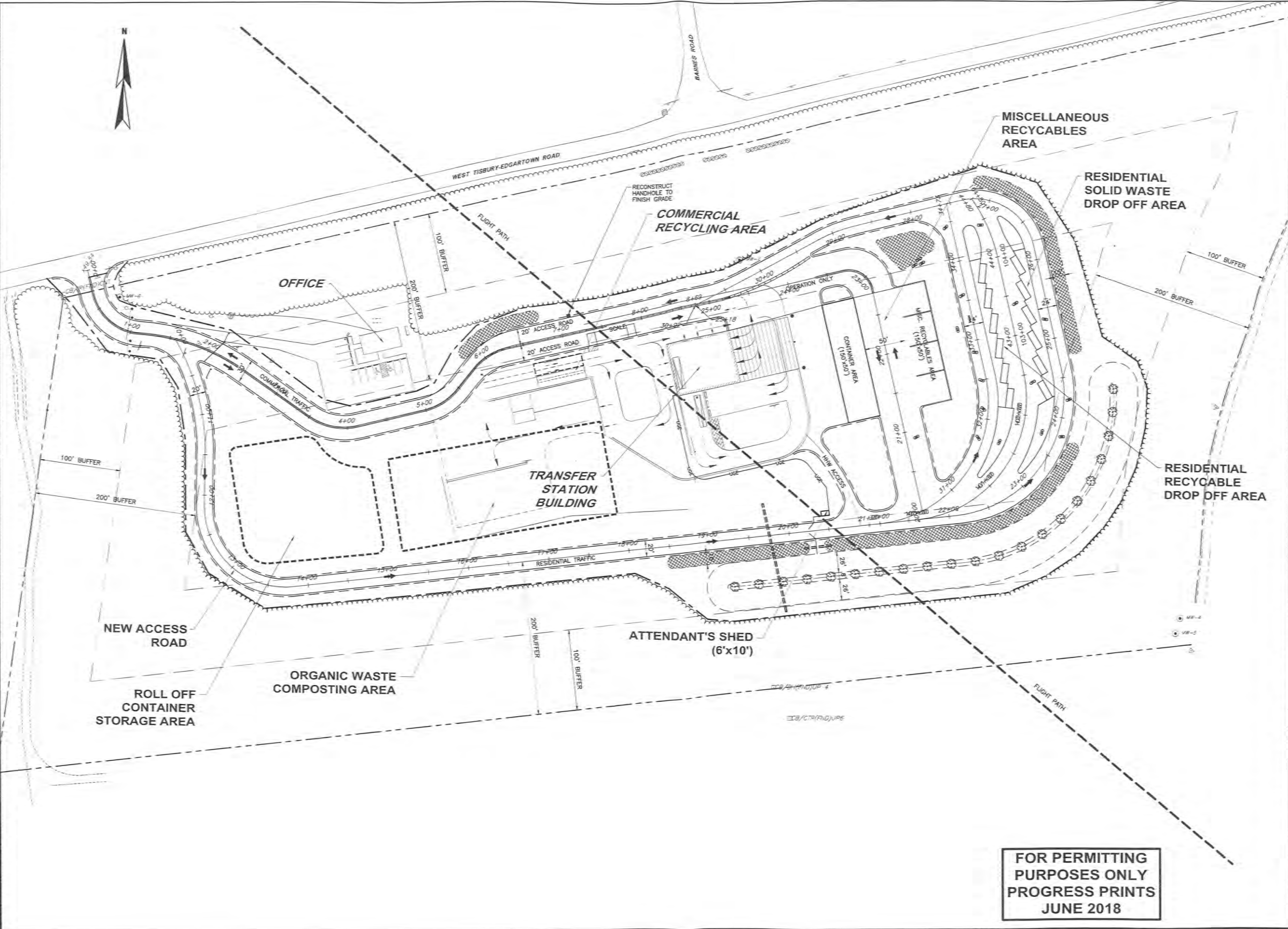
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<p>MARTHA'S VINEYARD REFUSE DISPOSAL & RESOURCE RECOVERY DISTRICT CENTRAL FACILITY TRANSFER STATION CIRCULATION IMPROVEMENTS PROPOSED SITE PLAN</p>	
<p>DRAWING C-3</p>	
<p>DESIGNED BY: DAR CHKD. BY: ROB DATE: 07/18</p>	<p>FOR PERMITTING SUBMISSION/REVISED DATE: 07/18</p>
<p>APPROVED BY: DAR DATE: 07/18 PROJECT NO: 13978A</p>	<p>NO. OF SHEETS: 3 SHEET NO: 3</p>

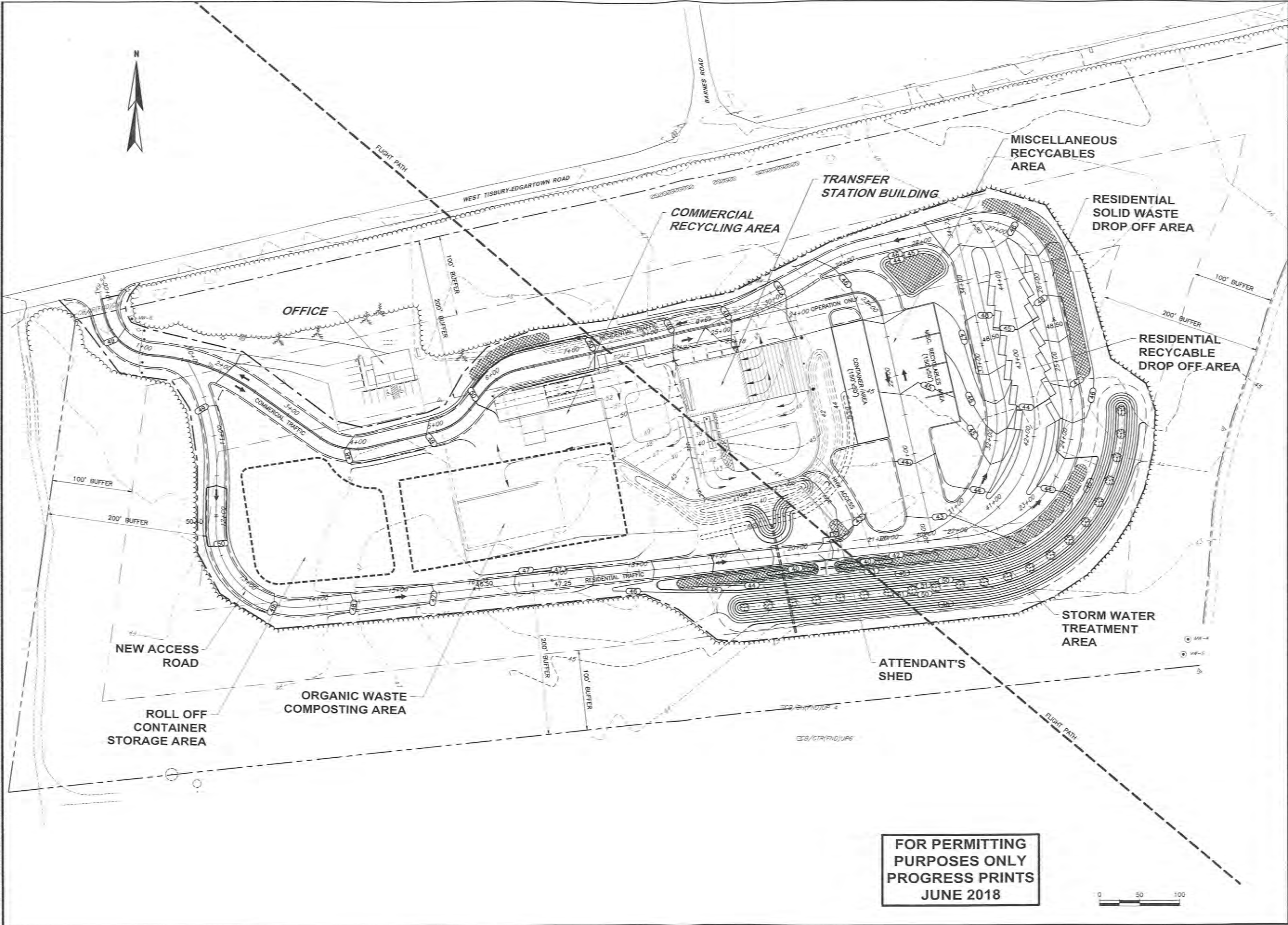
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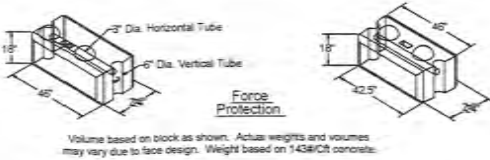
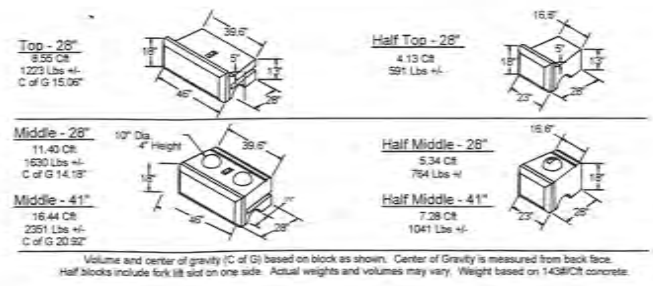
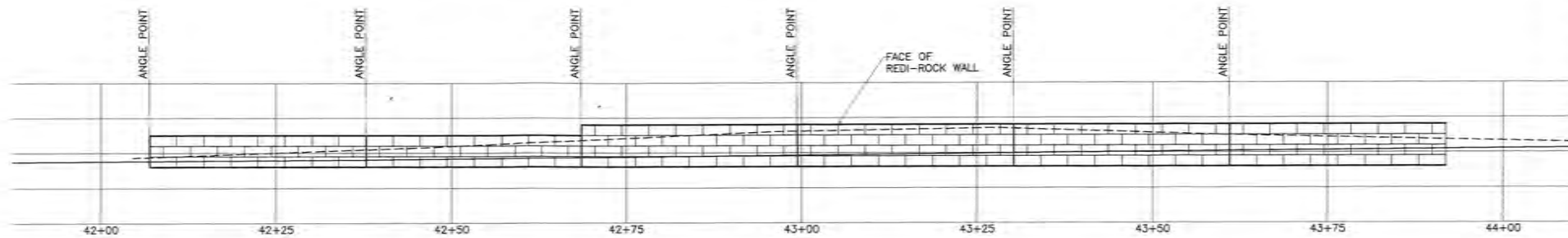
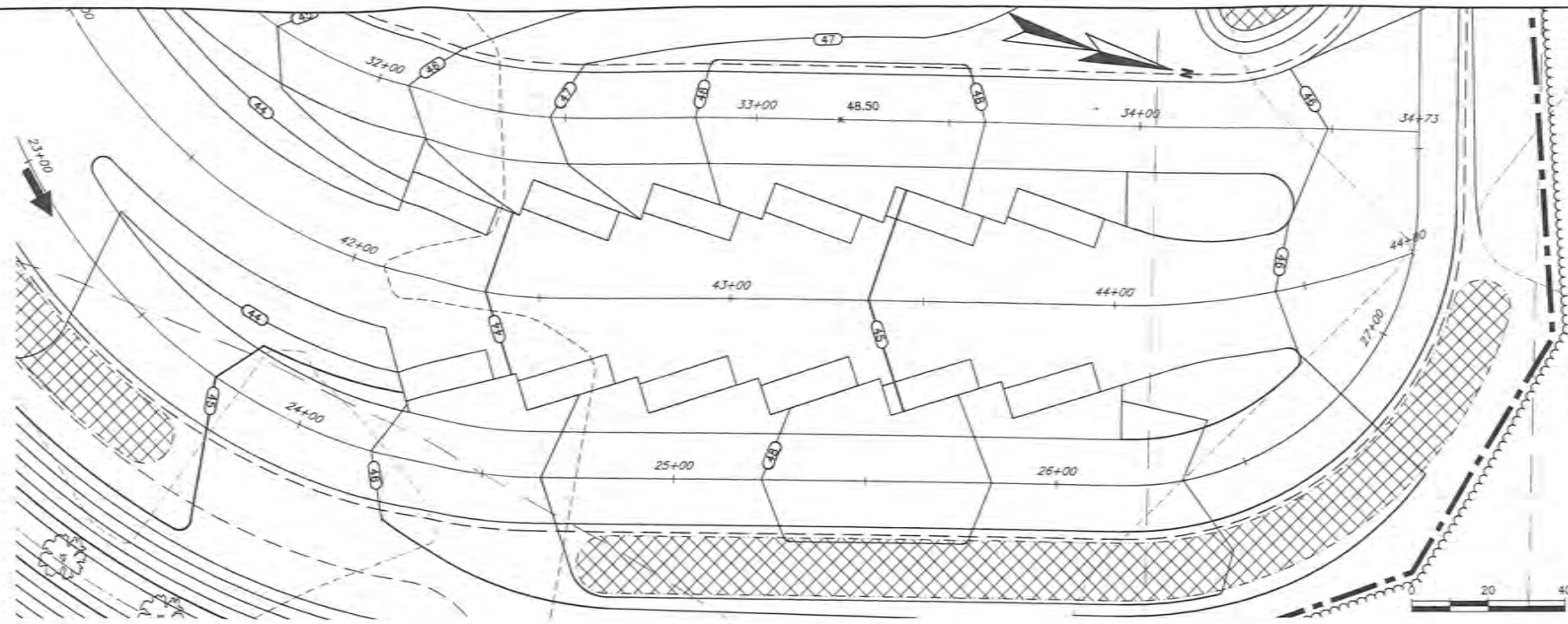
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<p>LAYOUT PLAN</p>	
<p>DRAWING C-4</p>	
<p>DESIGNED BY: RUB CHKD BY: DATE:</p>	<p>FOR PERMITTING DATE: 7/10</p>
<p>APPROVED BY: DATE: 07/18 PROJECT NO: 13978A</p>	<p>DATE: 7/10</p>

J:\ENG\MA\MARTHASVINEYARD\13976-CENTRALTRANSFERTATIONIMPROVMENTS\13976A-CIRCULATION\DRAWINGS\CIV\13976A\GRADING-PLAN.DWG | 13976A-GRADING-PLAN | 14.56 | 7/3/2018 4:07:46 PM | RICHARD.BOURGET | RICHARD.BOURGET | LAST SAVED BY: RICHARD.BOURGET 7/3/2018 9:16 AM

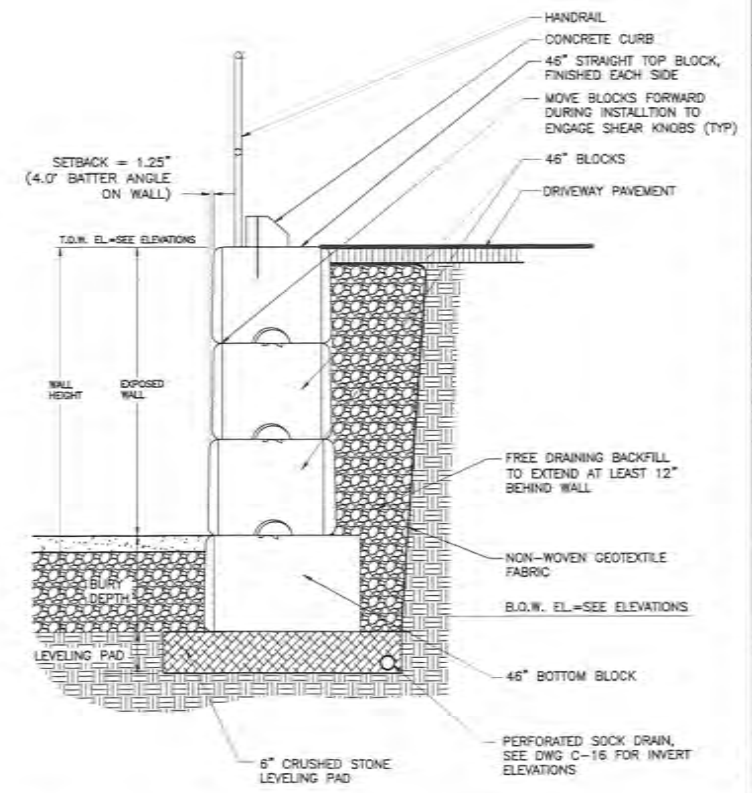


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<p>GRADING AND LANDSCAPING PLAN</p>	
<p>DRAWING C-5</p>	
<p>DESIGNED BY: DAR CHKD. CORR.: RUB CHKD. RUB</p>	<p>DATE: 07/18 PROJECT NO: 13976A</p>
<p>FOR PERMITTING</p>	<p>DATE: 7/18</p>



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JUNE 2018**



DESIGNED BY: DAR	DATE: DAR 7/18
CAD: COORD-RUB	
CAD: RUB	
DRAWN BY:	
DATE:	
APPROVED BY: DAR	
DATE: 07/18	
PROJECT NO: 13976A	

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MARTHA'S VINEYARD REFUSE DISPOSAL & RESOURCE RECOVERY DISTRICT
CENTRAL FACILITY TRANSFER STATION
CIRCULATION IMPROVEMENTS
GRADING AND LANDSCAPING PLAN
DRAWING
C-6

EROSION AND SEDIMENTATION CONTROL NOTES

THIS PLAN HAS BEEN DEVELOPED AS A STRATEGY TO CONTROL SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION. THIS PLAN IS BASED ON THE STANDARDS AND SPECIFICATIONS FOR EROSION PREVENTION IN URBAN AND SUBURBAN AREAS AS CONTAINED IN THE "MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS", FRANKLIN, HAMPDEN, HAMPSHIRE CONSERVATION DISTRICTS, DATED MARCH, 1997.

THE PROPOSED LOCATIONS OF SILTATION AND EROSION CONTROL STRUCTURES REQUIRED FOR THE UPGRADES TO THE WASTEWATER TREATMENT FACILITY ARE SHOWN ON THE GRADING PLAN. PROVIDE SILT FENCE, STONE CHECK DAMS AND OTHER EROSION CONTROL MEASURES AS REQUIRED TO ADEQUATELY PREVENT SEDIMENT TRANSPORT AS NOTED IN THE BMP.

- ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE IN ACCORDANCE WITH THE "MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS", FRANKLIN, HAMPDEN, HAMPSHIRE CONSERVATION DISTRICTS, DATED MARCH, 1997.
- THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE MAINTAINED IN AN UNTREATED OR UNVEGETATED CONDITION FOR THE MINIMUM TIME REQUIRED. IN GENERAL, AREAS TO BE VEGETATED SHALL BE PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF THE SOIL.
- SEDIMENT BARRIERS (SILT FENCE, STONE CHECK DAMS, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF UPGRADIENT DRAINAGE AREAS.
- INSTALL SILT FENCE AT TOE OF SLOPES TO FILTER SILT FROM RUNOFF. SEE SILT FENCE DETAIL FOR PROPER INSTALLATION. SILT FENCE WILL REMAIN IN PLACE PER NOTE #5.
- ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. SEDIMENT DEPOSITS MUST BE REMOVED WHEN 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 PERMANENTLY STABILIZED.
- NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2 TO 1) UNLESS STABILIZED WITH PERMANENT EROSION CONTROL MEASURES.
- IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT TO BE COMPLETED 30 DAYS PRIOR TO THE ANTICIPATED DATE OF THE FIRST KILLING FROST, USE TEMPORARY MULCHING (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY PERMANENT SEEDING, UNTIL UPGRADIENT AREAS ARE STABILIZED.
- WHEN FEASIBLE, TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINISH GRADED SHALL BE COMPLETED 30 DAYS PRIOR TO THE FIRST KILLING FROST.
- DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT WILL BE RETURNED TO THE SITE AND REGRADED ONTO OPEN AREAS. POST SEEDING SEDIMENT, IF ANY, WILL BE DISPOSED OF IN AN ACCEPTABLE MANNER.
- REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND REVEGETATED AS FOLLOWS:
 - A MINIMUM OF FOUR (4) INCHES OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE.
 - APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TESTING IS NOT DEEMED FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 900 POUNDS PER ACRE OR 18.4 POUNDS PER 1,000 SQUARE FEET USING 10-20-20 (N-P205-K20) OR EQUIVALENT. APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 LB PER 1,000 SQ. FT.).
 - FOLLOWING SEED BED PREPARATION, DITCHES AND BACK SLOPES WILL BE SEEDED WITH A MIXTURE OF 47% CREEPING RED FESCUE, 5% REDTOP, AND 48% TALL FESCUE. THE LAWN AREAS WILL BE SEEDED WITH A PREMIUM TURF MIXTURE OF 44% KENTUCKY BLUEGRASS, 44% CREEPING RED FESCUE, AND 12% PERENNIAL RYE GRASS. SEEDING RATE IS 3.0 LBS PER 1000 SQ. FT. LAWN QUALITY SOO MAY BE SUBSTITUTED FOR SEED.
 - HAY MULCH AT THE RATE OF 70-90 LBS PER 1000 SQUARE FEET OR A HYDRO-APPLICATION OF CELLULOSE FIBER SHALL BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER WILL BE USED ON HAY MULCH FOR WIND CONTROL.
- ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE WORK AREA IS STABILIZED.

EROSION CONTROL DURING WINTER CONSTRUCTION

- WINTER CONSTRUCTION PERIOD DEFINED: NOVEMBER 1 THROUGH APRIL 15.
- WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
- EXPOSED AREA SHOULD BE LIMITED TO THAT THAT CAN BE MULCHED IN ONE DAY PRIOR TO ANY PRECIPITATION EVENT.
- AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AT A RATE OF 100 LB. PER 1,000 SQUARE FEET (WITH OR WITHOUT SEEDING) OR DORMANT SEEDED, MULCHED AND ADEQUATELY ANCHORED BY AN APPROVED ANCHORING TECHNIQUE. IN ALL CASES, MULCH SHALL BE APPLIED SUCH THAT SOIL SURFACE IS NOT VISIBLE THROUGH THE MULCH.
- BETWEEN THE DATES OF OCTOBER 15 AND APRIL 15TH, LOAM OR SEED WILL NOT BE REQUIRED. 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 LOAMED, FINAL GRADED AND IS SMOOTH, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE 200 - 300% HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING FREEZING WEATHER, ALL EXPOSED AREAS SHALL BE GRADED BEFORE FREEZING AND THE SURFACE TEMPORARILY PROTECTED FROM EROSION BY THE APPLICATION OF MULCH. SLOPES SHALL NOT BE LEFT EXPOSED 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 BALES OF HAY OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS.
- A) BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 15TH ALL MULCH SHALL BE EITHER WOOD CELLULOSE FIBER OR BE ANCHORED WITH MULCH NETTING OR CHEMICAL TACK.
 - 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%.
- AFTER NOVEMBER 1ST THE CONTRACTOR SHALL APPLY DORMANT SEEDING OR MULCH AND ANCHORING ON ALL BARE EARTH AT THE END OF EACH WORKING DAY.
- DURING WINTER CONSTRUCTION PERIODS ALL SNOW SHALL BE REMOVED FROM AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT.

MULCH ANCHORING

ANCHOR MULCH WITH: MULCH NETTING (AS PER MANUFACTURER); ASPHALT EMULSION (0.05 GALLONS PER SQ. YD.); CHEMICAL TACK (AS PER MANUFACTURER'S SPECIFICATIONS); OR BE WOOD CELLULOSE FIBER (2000 LBS./ACRE). WETTING FOR SMALL AREAS AND ROAD DITCHES MAY BE PERMITTED.

ADDITIONAL TEMPORARY SEED MIXTURE (OR PERIODS LESS THAN 12 MONTHS)

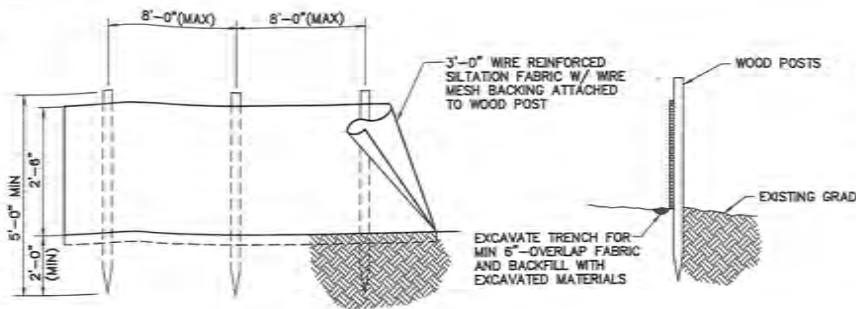
DATES	SEED	RATE
4/1 - 7/1	OATS	80 LBS./ACRE
8/15 - 9/15		
4/1 - 6/1	ANNUAL RYE GRASS	40 LBS./ACRE
(8/15 - 9/15)		
(8/15 - 10/15)	WINTER RYE	120 LBS./ACRE
(11/1 - 4/1)	MULCH W/ DORMANT SEED	80 LBS./ACRE*
(5/1 - 6/30)	FOXTAIL MILLET	30 LBS./ACRE

*SEED RATE ONLY

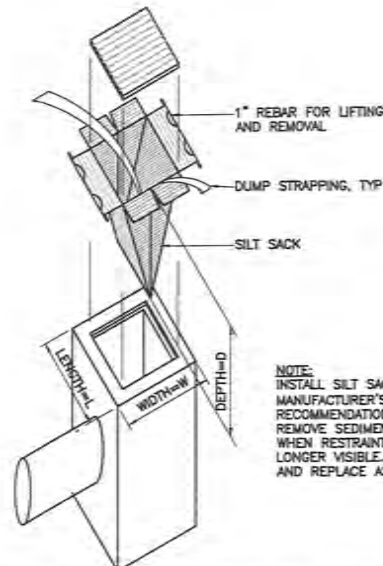
MULCH AND MULCH ANCHORING

LOCATION	MULCH	RATE (1000 S.F.)
PROTECTED AREA	STRAW OR HAY *	100 POUNDS
WINDY AREAS	STRAW OR HAY (ANCHORED) *	100 POUNDS
MODERATE TO HIGH VELOCITY AREAS OR STEEP SLOPES (GREATER THAN 3:1)	JUTE MESH,	AS REQUIRED
	EXCELSIOR MAT OR EQUIV.	AS REQUIRED

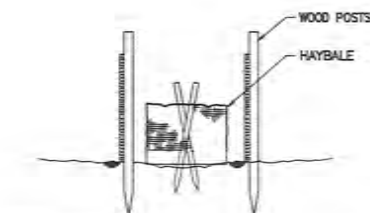
* A HYDRO-APPLICATION OF CELLULOSE FIBER MAY BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SHALL BE USED ON HAY MULCH FOR WIND CONTROL.



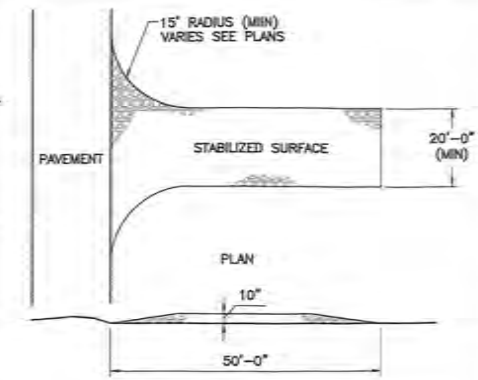
SILT FENCE INSTALLATION DETAIL



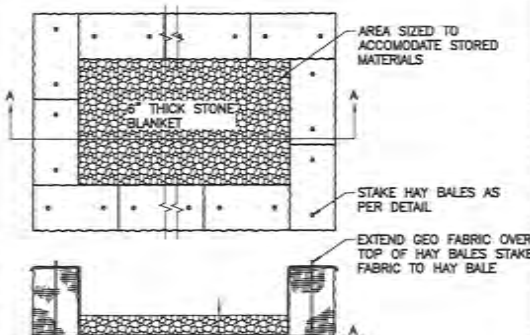
SILT SACK CATCH BASIN INLET DETAIL



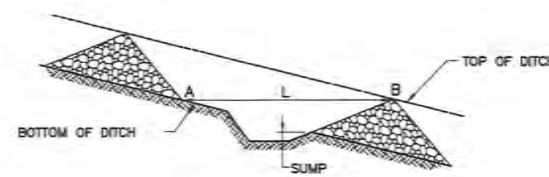
COMBINATION SILT FENCE AND HAY BALE BARRIER



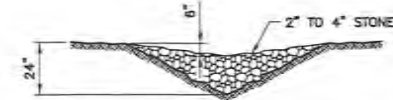
STABILIZED CONSTRUCTION ENTRANCE



TEMPORARY HAY BALE SEDIMENT BASIN



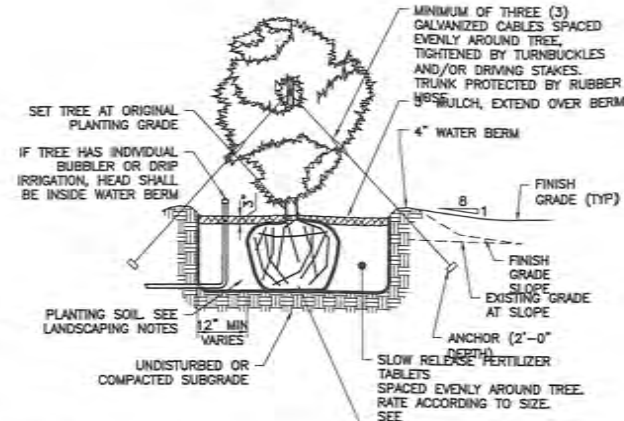
DITCH SLOPE (FT/FT)	L (FT)
0.020	100
0.030	66
0.040	50
0.050	40
0.080	25
0.100	20
0.120	17
0.150	13



STONE CHECK DAM DETAIL

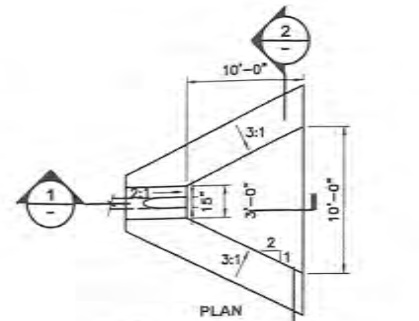
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DESIGNED BY: DAR CAD COORD.: RUB CAL. RUB CHECKED BY: DATE: 07.18 APPROVED BY: DAR DATE: 07.18 PROJECT NO.: 13978A	SUBMISSIONS/REVISIONS NO. FOR PERMITTING DATE	<p>WRIGHT-PIERCE Engineering a Better Environment</p> <p>888.621.8156 www.wright-pierce.com</p>
MARTHAS VINEYARD REFUSE DISPOSAL & RESOURCE RECOVERY DISTRICT CENTRAL FACILITY TRANSFER STATION CIRCULATION IMPROVEMENTS		EROSION CONTROL NOTES AND DETAILS
DRAWING C-7		



- NOTES:**
1. APPLY ANTI-DESICCANT PRIOR TO PLANTING.
 2. STAKING METHOD FOR TREES UNDER 10" MAY BE SUBSTITUTED FOR GUY WIRE METHOD.
 3. PIT SHOULD BE THREE TIMES DIAMETER OF ROOTBALL.

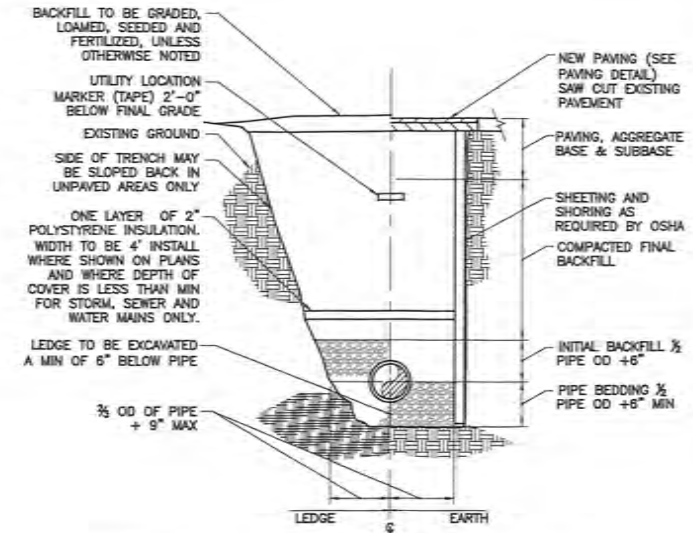
TREE INSTALLATION: CONIFER
SCALE: NTS



SECTION 1
SCALE: NTS

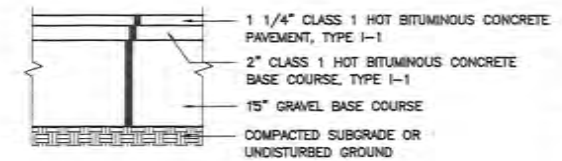
SECTION 2
SCALE: NTS

RIPRAP APRON
SCALE: NTS

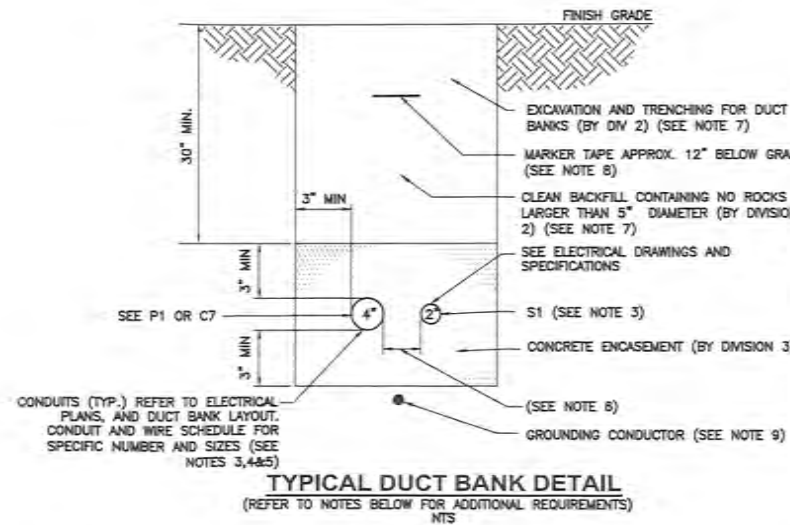


- NOTES:**
1. ALL EXCAVATION MUST MEET OSHA STANDARDS.
 2. INSTALL 3 FOOT LONG IMPERVIOUS MATERIAL DAM IN BEDDING/INITIAL BACKFILL MATERIAL EVERY 100' AND WHERE SHOWN ON PLANS TO PREVENT TRENCH GROUNDWATER FROM BEING CHANNLED ALONG BEDDING/INITIAL BACKFILL.
 3. SEE SPECIFICATIONS FOR BEDDING AND BACKFILL REQUIREMENTS.

PIPE TRENCH
NTS



ACCESS ROAD AND DRIVE SURFACE
NTS



NOTES: (DUCT BANK DETAIL)

1. THIS TYPICAL DUCT BANK INSTALLATION DETAIL INDICATES THE REQUIREMENTS FOR UNDERGROUND CONDUIT INSTALLATIONS.
2. BURIAL DEPTH IS TYPICAL FOR ALL DUCT BANKS, UNLESS OTHERWISE NOTED.
3. REFERENCES P1, C1 AND/OR S1, DENOTES CONDUIT NUMBERS. FOR CONDUIT DETAILS SEE ELECTRICAL CONDUIT AND WIRE SCHEDULES.
4. THE ELECTRICAL SITE PLAN IDENTIFIES THE VARIOUS DUCT BANK SECTIONS.
5. SEE THE SPECIFIC ELECTRICAL DUCT BANK SECTION DETAILS TO DETERMINE THE NUMBER AND TYPE OF CONDUITS IN EACH DUCT BANK.
6. THE SIZE OF THE DUCT BANK IS DETERMINED BY THE CLEAR SPACING BETWEEN CONDUITS. FOR PVC CONDUITS THE SPACING BETWEEN LIKE CONDUIT TYPE IS 3". THE SPACING BETWEEN POWER (P) AND EITHER CONTROL (C) OR SIGNAL (S) CONDUITS SHALL BE A MINIMUM OF 12". THE SPACING BETWEEN CONTROL (C) AND SIGNAL (S) SHALL BE 3". SPACING IS TO REDUCE TRANSFER OF ELECTRICAL NOISE INTERFERENCE. ALL CONDUITS SHALL HAVE A MINIMUM 4" EDGE CLEARANCE TO THE EDGE OF THE CONCRETE ENCASMENT. FOR GALVANIZED CONDUIT SPACING CONTACT ENGINEER FOR REQUIREMENTS.
7. EXCAVATION, TRENCHING AND BACKFILL SHALL BE FURNISHED AND INSTALL UNDER DIVISION 2 OF THIS CONTRACT.
8. INSTALL MARKER TAPE THE ENTIRE LENGTH OF EACH DUCT BANK.
9. A CONTINUOUS #4/0 BARE COPPER GROUND CONDUCTOR SHALL BE PROVIDED AND ROUTED BENEATH ALL DUCT BANKS AND WITHIN EACH ELECTRICAL MANHOLE IN ORDER TO ELECTRICALLY BOO THE MAIN UTILITY SERVICE AND ALL BUILDINGS SERVICES AND EQUIPMENT TO THE SAME POTENTIAL.
10. REFER TO THE ELECTRICAL CONTRACT DRAWING FOR SPECIFIC DUCT BANK LOCATIONS, SECTIONS AND CONDUIT AND WIRING REQUIREMENTS.

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JUNE 2018**

NO.	DATE	BY	REVISIONS
1	07/18	DR	FOR PERMITTING

DESIGNED BY: DR
 CAD: COOR./JTB
 CAD: JTB
 CHECKED BY:
 DATE:
 APPROVED BY: DR
 DATE: 07/18
 PROJECT NO: 13978A

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DETAILS