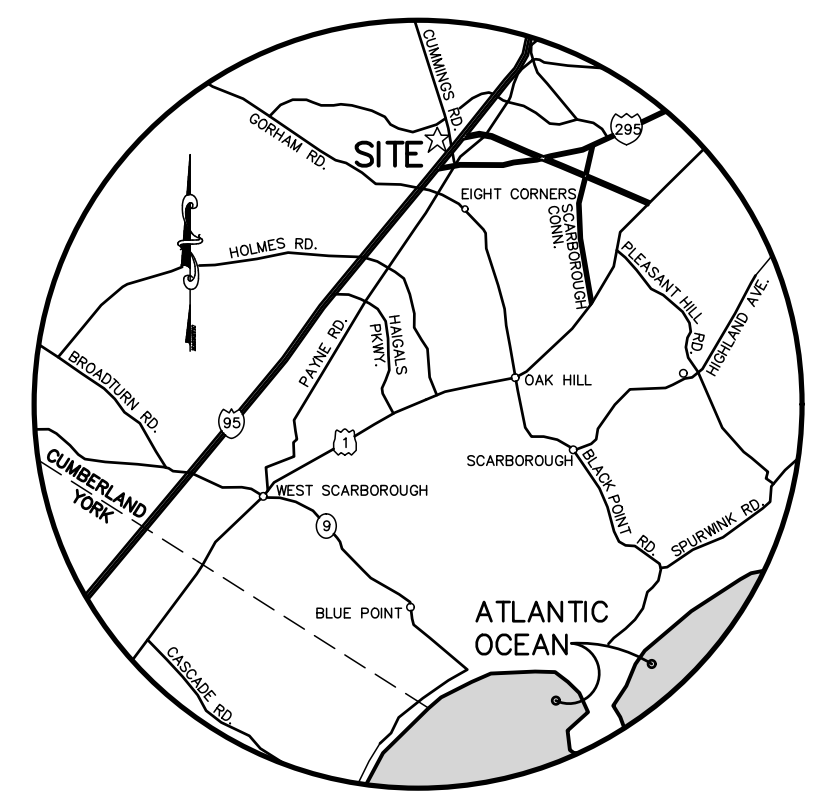
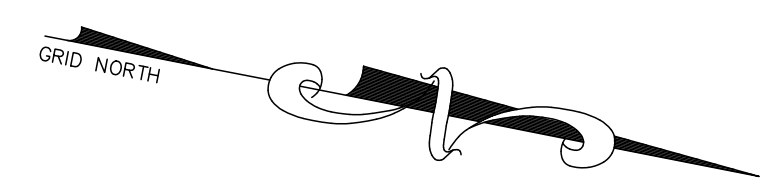


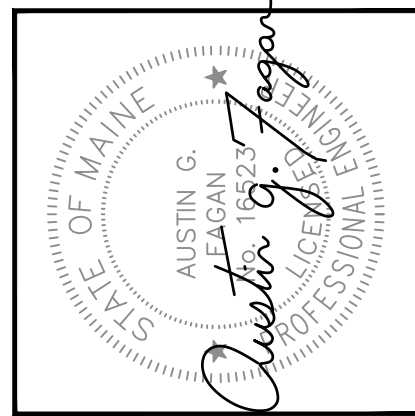
**NOTES:**

- OWNER: OS ENTERPRISES LLC  
18 HUNNEWELL ROAD  
SCARBOROUGH, MAINE 04074
- ENGINEER: AUSTIN G. FAGAN PE#16523  
BH2M  
380B MAIN STREET  
GORHAM, MAINE 04038
- SURVEYOR: ROBERT C. LIBBY, JR., PLS #2190  
BH2M
- WETLANDS: COPPI ENVIRONMENTAL, LLC  
19 CLAIRE DUNNE LANE  
HOLLIS, MAINE 04042
- TAX MAP REFERENCE: MAP R37, LOT 60
- PARCEL DEED REFERENCE: BOOK 31702, PAGE 2
- ZONING: RUNNING HILL MIXED USE (RH)
- AREA OF PARCEL: 2.954 ACRES
- MINIMUM REQUIREMENTS: MINIMUM LOT SIZE: 40,000 S.F. WITH SEPTIC  
MINIMUM LOT FRONTAGE: 50 FEET  
SETBACKS: FRONT 10 FEET, SIDE 15 FEET  
& REAR 15 FEET.
- COORDINATES/BEARINGS: BEARINGS AND NORTH ORIENTATION SHOWN ARE  
BASED ON THE MAINE STATE COORDINATE  
SYSTEM WEST ZONE (NAD 83), OBTAINED  
USING A CARLSON BRX7 ROVER.
- EXISTING USE: SINGLE FAMILY HOUSE LOT
- PROPOSED USE: TWO CONSTRUCTION SERVICE BUSINESS UNITS
- SEWER SERVICE: SUBSURFACE DISPOSAL SYSTEM
- WATER SERVICE: DRILLED WELL
- ELECTRIC/TELEPHONE: UNDERGROUND FROM CUMMINGS ROAD
- ON SITE DEVELOPMENT: EXISTING IMPERVIOUS - 3,257 S.F.  
PROPOSED VEGETATED AREA - 16,046 S.F.  
PROPOSED IMPERVIOUS - 25,847 S.F.  
AREA OF PROPOSED DEVELOPMENT - 41,893 S.F.
- ALL CONSTRUCTION AND SITE ALTERATIONS SHALL BE DONE IN  
ACCORDANCE WITH THE MAINE EROSION AND SEDIMENTATION  
CONTROL, BMP'S, LATEST REVISION.
- ON SITE PARKING: BUSINESS SERVICES - 4/1,000 S.F. OF GLA  
FLOOR AREA - 6,800 SF  
PARKING REQUIRED - 27.20 SPACES  
PARKING PROVIDED - 28 (2 ADA SPACE) IN LOT  
5% EV READY - 1.4 SPACES REQUIRED - 2 PROVIDED (EVR)  
20% EV CAPABLE - 5.6 REQUIRED - 6 PROVIDED (EVC)
- PLAN REFERENCES: A. BOUNDARY SURVEY ON CUMMINGS ROAD IN  
SCARBOROUGH MAINE, DATED AUGUST 28, 2018,  
BY BOUNDARY ENGINEERING SURVEY TECHNOLOGY  
AND RECORDED IN THE CUMBERLAND COUNTY  
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AUTHORITY, MAINE TURNPIKE SECTION 2,  
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C. STATE OF MAINE DEPARTMENT OF TRANSPORTATION  
RIGHT OF WAY MAP, LAND OF NEPTUNE PROPERTIES,  
INC., SOUTH PORTLAND - SCARBOROUGH,  
CUMBERLAND COUNTY, DATED JAN. 2002, D.O.T.  
D.O.T. FILE NO. 3-477 AND RECORDED IN THE  
CUMBERLAND COUNTY REGISTRY OF DEEDS IN  
PLAN BOOK 207, PAGE 692.
- TOPOGRAPHY: ON GROUND TOPOGRAPHIC SURVEY BY BH2M
- WETLAND IMPACTS: W.I.1 - 3,779 SF  
W.I.2 - 4,748 SF  
TOTAL - 8,527 SF
- EXISTING PUBLIC AND PRIVATE UTILITY AND UNDERGROUND LOCATIONS SHOWN  
ON THE PLANS ARE APPROXIMATE, AND ALL UTILITIES AND PIPES ARE NOT  
NECESSARILY SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR  
VERIFYING IN FIELD THE LOCATIONS OF UTILITIES SHOWN, AND FOR  
INVESTIGATING AND IDENTIFYING THE EXISTENCE AND LOCATIONS OF ANY  
ADDITIONAL PUBLIC AND PRIVATE UTILITIES NOT SHOWN ON THE PLANS,  
BEFORE COMMENCING ANY EXCAVATIONS, AND SHALL BE RESPONSIBLE FOR  
REPAIRING ALL UTILITIES AND PIPES, BOTH PUBLIC AND PRIVATE, WHETHER  
SHOWN ON PLANS OR NOT, THAT ARE DISTURBED DURING CONSTRUCTION. ALL  
COSTS INCURRED IN INVESTIGATING AND REPAIRING SAID UTILITIES SHALL BE  
BORNE BY THE CONTRACTOR, AND SHALL BE CONSIDERED INCIDENTAL TO THE  
COST OF THE WORK PAID FOR UNDER THE APPLICABLE LUMP SUM AND UNIT  
PRICES IN THE CONTRACT. UTILITIES INCLUDE BUT ARE NOT LIMITED TO  
ELECTRIC, TELEPHONE, NATURAL GAS, WATER, SEWER AND STORM DRAINAGE.  
THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING DIG SAFE.

- "NO DISTURB AREA SIGNS TO BE PLACED EVERY 50' ALONG THE TOE OF  
THE PROPOSED FILL SLOPES AS SHOWN ON THE PLAN TO PREVENT  
ENCROACHMENT OF WETLANDS. WETLAND PINS TO BE SET AT A 100'  
INTERVAL.
- NO SUBSTITUTIONS OR CHANGES MAY BE MADE WITHOUT PRIOR APPROVAL BY  
THE GOVERNING AUTHORITY; ALL LIGHTING NOT ON THE PLAN SHALL BE  
REMOVED AND NO ADDITIONAL LIGHTING SHALL BE INSTALLED WITHOUT  
PRIOR APPROVALS.
- ALL POLE MOUNTED LIGHTS SHALL UTILIZE HOUSE SIDE SHIELDS TO  
PREVENT LIGHT FROM BEING DIRECTED OUTSIDE OF PARKING AREAS.
- THE FOUNDATION HOLE THAT RESULTS FROM REMOVAL OF THE EXISTING  
SINGLE FAMILY HOUSE ONSITE SHALL BE BACKFILLED WITH TYPE D GRAVEL  
AND COMPACTED IN LIFTS TO PREVENT SETTLEMENT OVER TIME.



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3	2/20/24	Submitted Site Plan For Planning Board Review
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5	8/5/24	Revised Per PWD, Town, & DEP Comments
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**BH2M**  
Berry, Huff, McDonald, Milfigan Inc.  
Engineers, Surveyors  
380B Main Street  
Gorham, Maine 04038  
Tel: (207) 839-2771  
www.bh2m.com

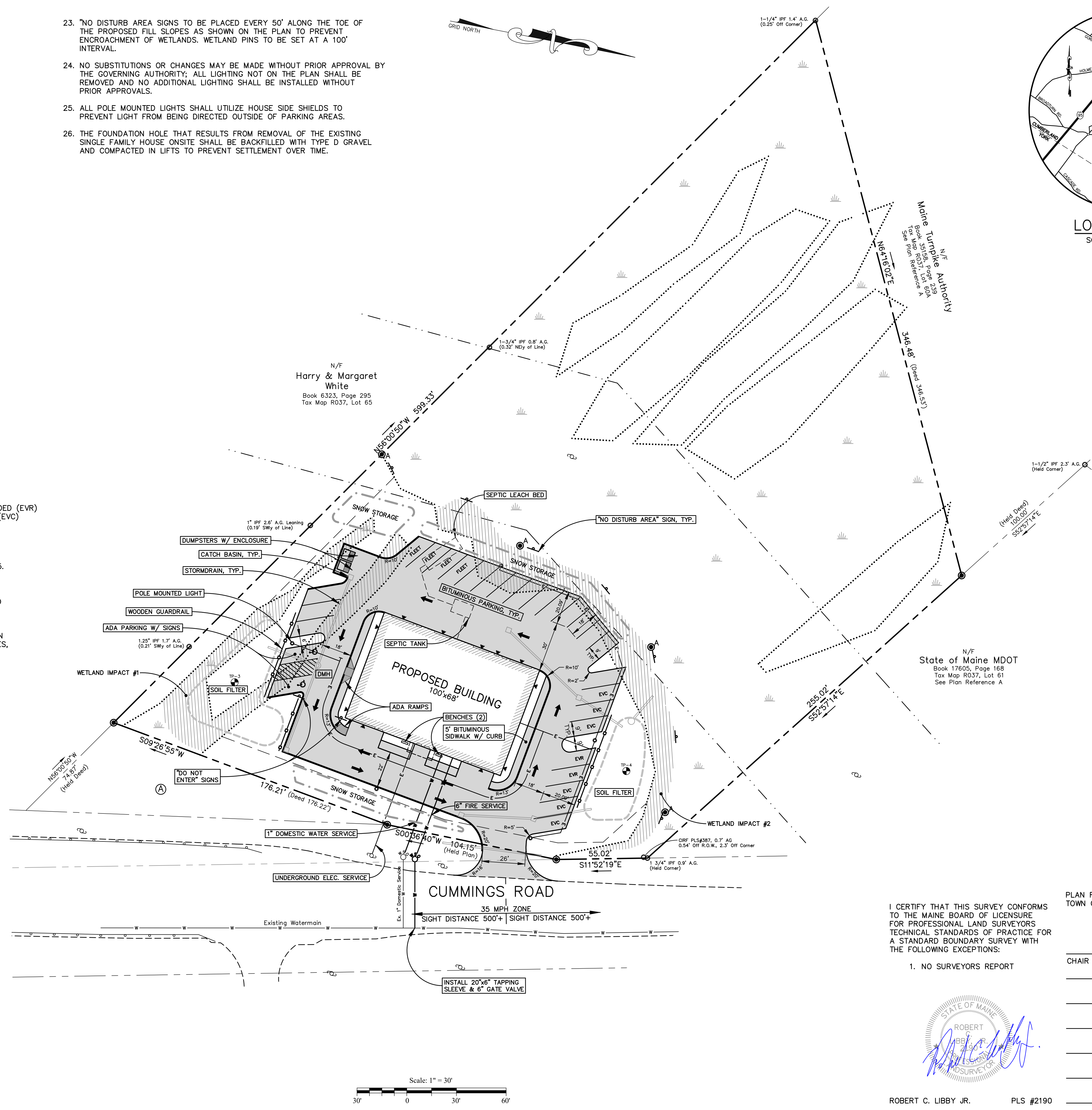
FOR  
Owen Baxter  
18 Hunnewell Road  
Scarborough, Maine 04074

**SITE PLAN**  
**CONSTRUCTION SERVICES**  
6 CUMMINGS ROAD  
SCARBOROUGH, MAINE

DESIGNED W. Pelkey	DATE May 2023
DRAWN Dept.	SCALE 1" = 40'
CHECKED A. Fagan	JOB. NO. 23055

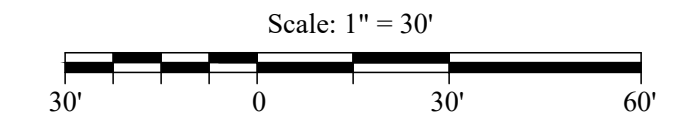
SHEET  
**1**

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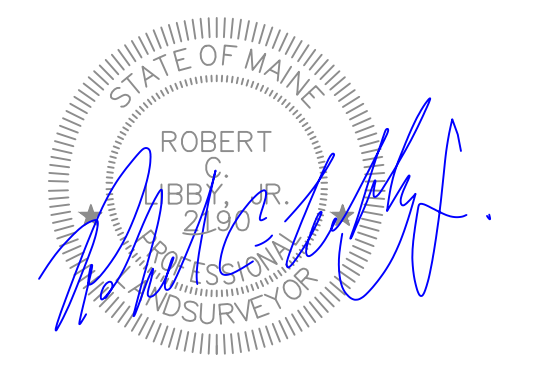
**LEGEND**

SYMBOL	DESCRIPTION
⊙	EXISTING WELL
□ G.M.F.	GRANITE MONUMENT FOUND
○ I.P.F./I.R.F.	IRON PIPE/IRON ROD FOUND
○ C.I.F.	CAPPED IRON ROD FOUND
● I.P.S.	5/8" IRON ROD W/ CAP TO BE SET
● A	"NO DISTURBANCE" WETLAND PIN
○ U.P.	UTILITY POLE
○	DECIDUOUS TREE
○	CONIFEROUS TREE
EV	ELECTRIC VEHICLE READY PARKING
EVC	ELECTRIC VEHICLE CAPABLE PARKING
---	EDGE OF WETLAND
---	PROPERTY LINE
---	FORESTED WETLAND
---	ABOVE GROUND
---	NOW OR FORMERLY



I CERTIFY THAT THIS SURVEY CONFORMS TO THE MAINE BOARD OF LICENSES FOR PROFESSIONAL LAND SURVEYORS TECHNICAL STANDARDS OF PRACTICE FOR A STANDARD BOUNDARY SURVEY WITH THE FOLLOWING EXCEPTIONS:

- NO SURVEYORS REPORT

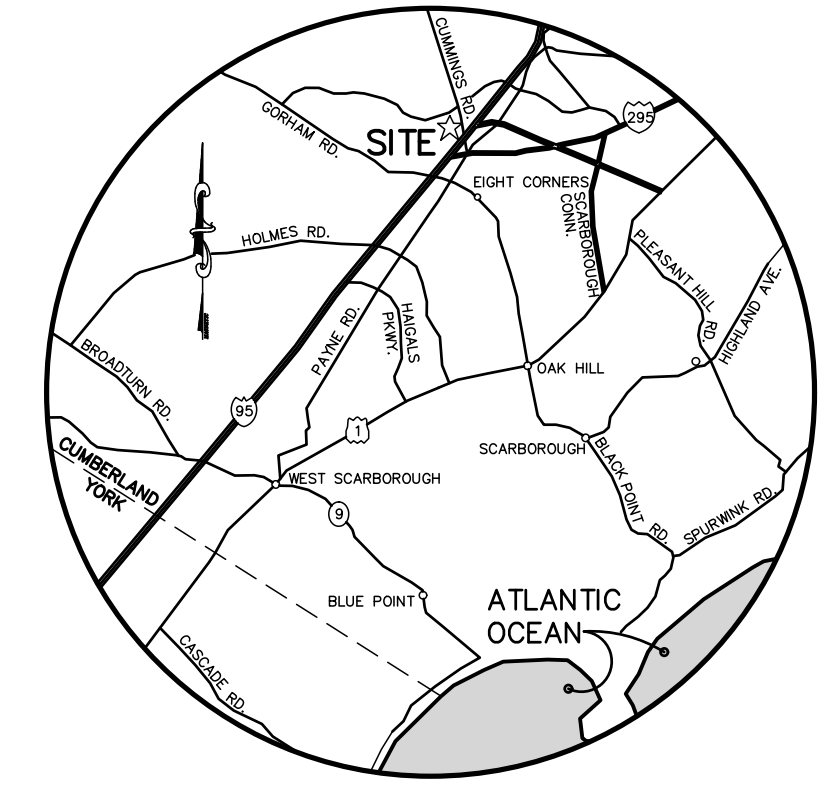
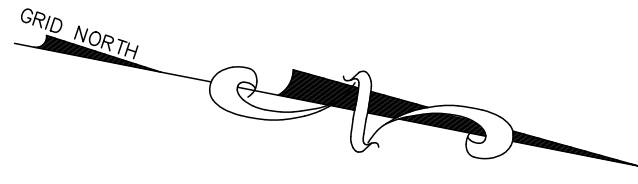


ROBERT C. LIBBY JR. PLS #2190

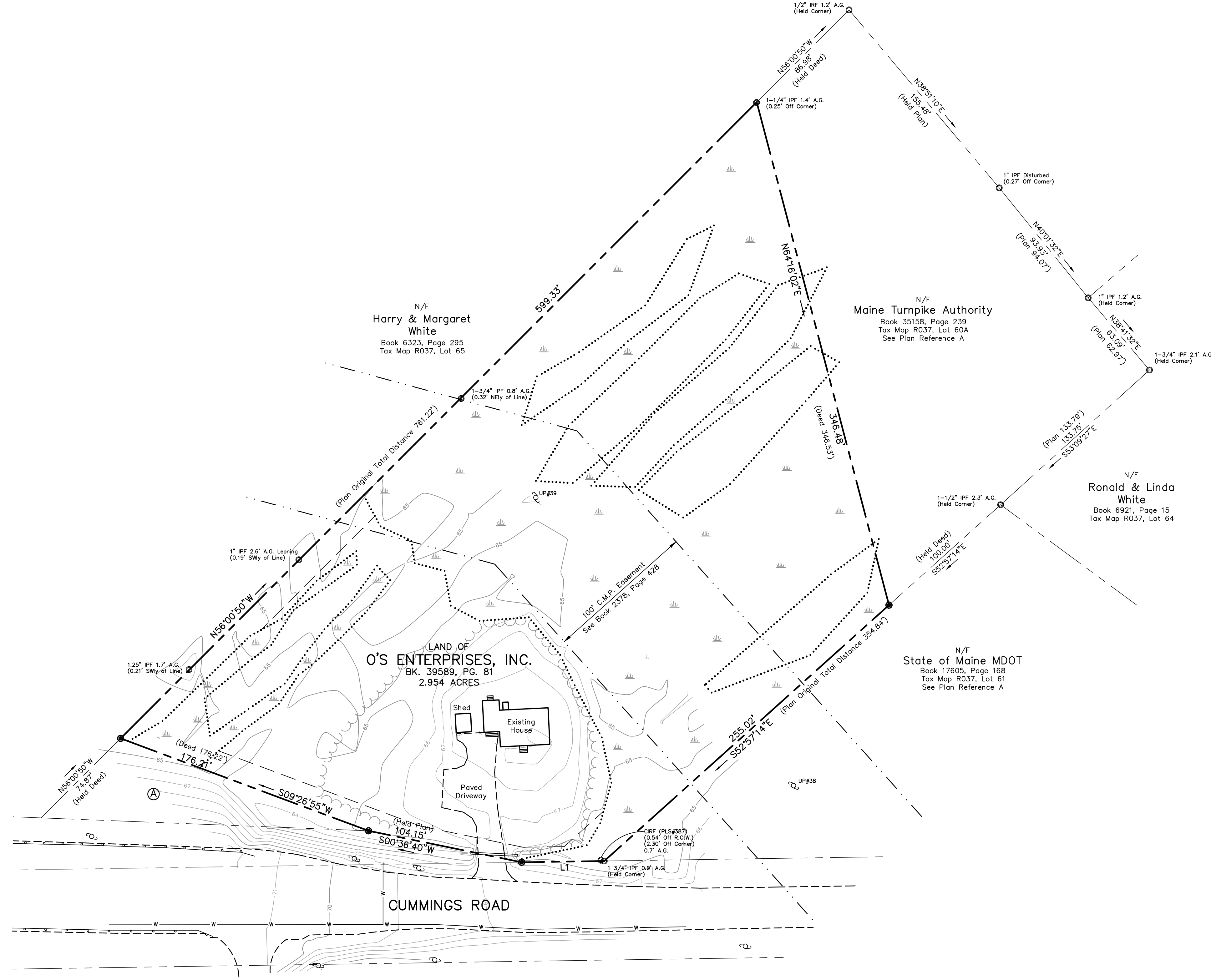
PLAN REVIEWED AND APPROVED BY THE TOWN OF SCARBOROUGH PLANNING BOARD

DATE \_\_\_\_\_

CHAIR	_____
_____	_____
_____	_____
_____	_____



LOCATION MAP  
SCALE: 1" = 2 MILES



NOTES:

- OWNER: OS ENTERPRISES LLC  
18 HUNNEWELL ROAD  
SCARBOROUGH, MAINE 04074
- SURVEYOR: ROBERT C. LIBBY, JR., PLS #2190  
BH2M  
380B MAIN STREET  
GORHAM, MAINE 04038
- WETLANDS: COPPI ENVIRONMENTAL, LLC  
19 CLAIRE DUNNE LANE  
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- AREA OF PARCEL: 2.954 ACRES
- MINIMUM REQUIREMENTS: MINIMUM LOT SIZE: 40,000 S.F. WITH SEPTIC  
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 www.bh2m.com

FOR  
 Owen Baxter  
 18 Hunnewell Road  
 Scarborough, Maine 04074

STANDARD BOUNDARY  
 SURVEY  
 LAND OF  
 O'S ENTERPRISES, LLC  
 6 CUMMINGS ROAD  
 SCARBOROUGH, MAINE

I CERTIFY THAT THIS SURVEY CONFORMS  
 TO THE MAINE BOARD OF LICENSURE  
 FOR PROFESSIONAL LAND SURVEYORS  
 TECHNICAL STANDARDS OF PRACTICE FOR  
 A STANDARD BOUNDARY SURVEY WITH  
 THE FOLLOWING EXCEPTIONS:

- NO SURVEYORS REPORT

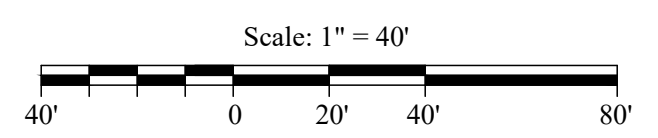


DESIGNED R. Libby, Jr.	DATE June 2023
DRAWN R. Libby, Jr.	SCALE 1" = 40'
CHECKED A. Fagan	JOB. NO. 23055

SHEET  
 2

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SYMBOL	DESCRIPTION
	WATER SHUTOFF
	GRANITE MONUMENT FOUND
	IRON PIPE/IRON ROD FOUND
	CAPPED IRON ROD FOUND
	5/8" IRON ROD W/ CAP TO BE SET
	UTILITY POLE
	EXISTING EASEMENT
	EDGE OF PAVEMENT
	PROPERTY LINE
	WETLAND
	ABOVE GROUND/BELOW GROUND
	NOW OR FORMERLY

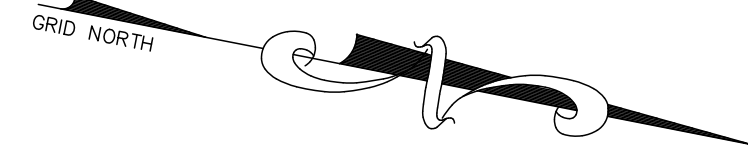


ABUTTER DATA  
 A - MAINE TURNPIKE AUTHORITY  
 BK. 35158, PG. 239  
 SEE PLAN REFERENCE A  
 LINE DATA  
 L1 - S11°52'19"E, 55.02' (Held Deed)

ROBERT C. LIBBY, JR. PLS #2190

**NOTES:**

- ALL SLOPES GREATER THAN 3:1 SHALL UTILIZE SLOPE STABILIZATION AS SHOWN ON THE ATTACHED DETAILS PLAN.



SOIL FILTER	ELEV. A	ELEV. B	ELEV. C
A	70.00	68.75	67.00
B	69.50	68.60	67.00

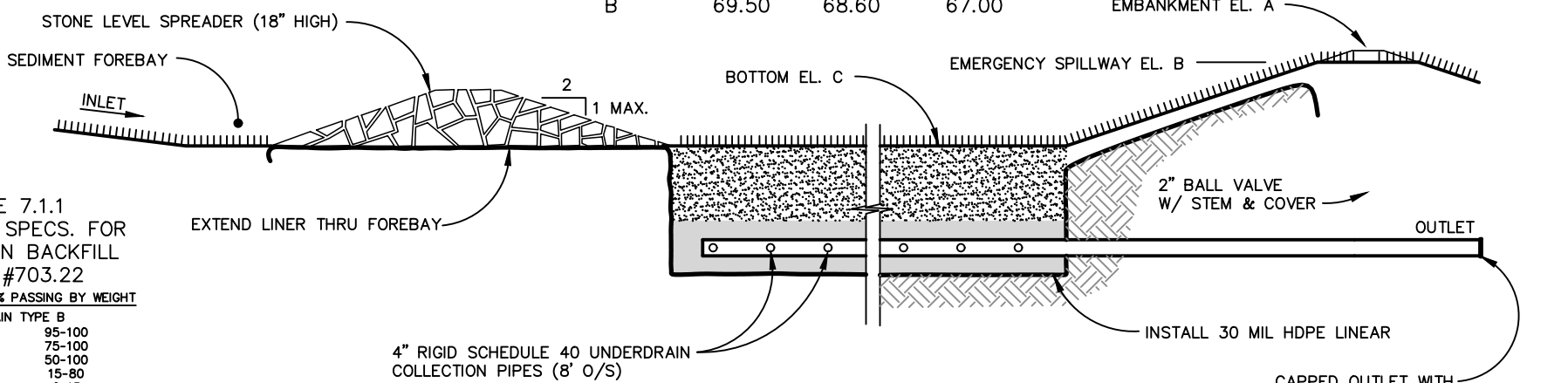


TABLE 7.1.1  
MAINE DOT SPECS. FOR UNDERDRAIN BACKFILL  
MEDOT #703.22

SEV. SIZE	% PASSING BY WEIGHT
1/2"	95-100
3/4"	75-100
1"	40-100
2"	15-80
4"	5-5
6"	0-5

TABLE 7.1.2  
SANDY LOAM TO FINE SANDY LOAM SPECIFICATION

SEV. #	% PASSING BY WEIGHT
1	100
2	90-100
3	75-95
4	60-85
5	45-70
6	30-50
7	15-40
8	5-25
9	0-10
10	0-5

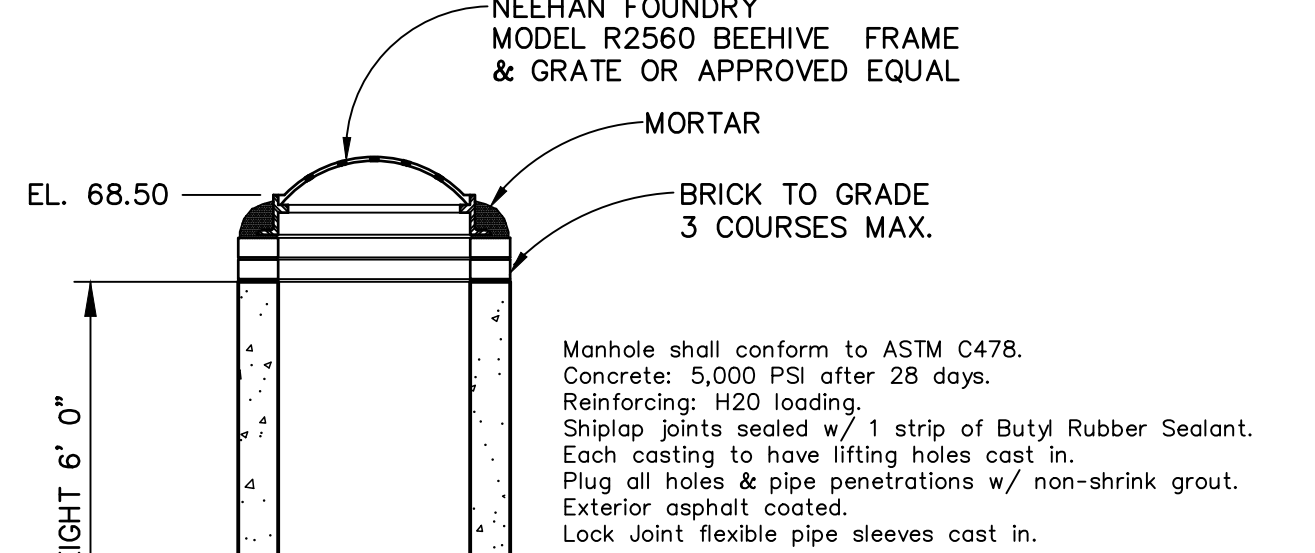
TABLE 7.1.3  
LOAMY COARSE SAND SPECIFICATION

SEV. #	% PASSING BY WEIGHT
1	100
2	95-100
3	85-100
4	70-95
5	55-85
6	40-70
7	25-55
8	10-40
9	5-25
10	0-10

**PROFILE**

**SECTION**

**GRASSED UNDERDRAIN SOIL FILTER**  
N.T.S.



**OUTLET CONTROL STRUCTURE**  
N.T.S.

**GRASSED UNDERDRAINED SOIL FILTER**

**CONSTRUCTIONS SEQUENCE:** THE SOIL FILTER MEDIA AND VEGETATION MUST NOT BE INSTALLED UNTIL THE AREA THAT DRAINS TO THE FILTER HAS BEEN PERMANENTLY STABILIZED WITH PAVEMENT OR OTHER STRUCTURE, 90% VEGETATION COVER, OR OTHER PERMANENT STABILIZATION UNLESS THE RUNOFF FROM THE CONTRIBUTING DRAINAGE AREA IS DIVERTED AROUND THE FILTER UNTIL STABILIZATION IS COMPLETED.

**HDPE LINER INSTALLATION:** THE LINER MUST SEAMLESSLY EXTEND UP THE SIDES OF THE BASIN AND BE ANCHORED INTO THE EXISTING SUBGRADE AT THE SAME ELEVATION AS THE EMERGENCY SPILLWAY. A BOOT, CLAMPS, AND OTHER MEASURES APPROVED BY THE MANUFACTURER OF THE LINER MUST BE USED TO SEAL THE LINER TO PIPES AT PENETRATIONS. ALL SEAMS, TEARS, JOINTS, OR OTHER LINER PENETRATIONS MUST BE SEALED PER MANUFACTURER SPECS.

**COMPACTION OF SOIL FILTER:** FILTER SOIL MEDIA AND UNDERDRAIN BEDDING MATERIAL MUST BE COMPACTED BY SATURATION ONLY.

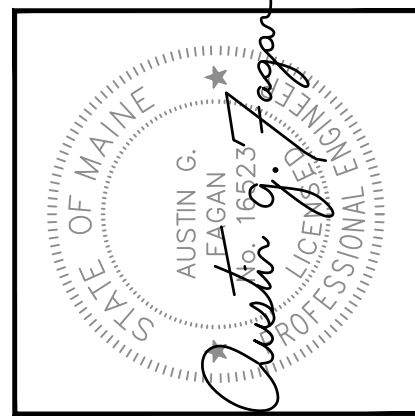
**SEEDING SPECIFICATIONS** THE SOIL FILTER SURFACE SHOULD BE PLANTED WITH A GRASS SPECIES THAT IS TOLERANT OF FREQUENT INUNDATION AND WELL DRAINED SOILS. UPON SEEDING, THE SOIL FILTER SHOULD BE MULCHED WITH HAY OR AN EROSION CONTROL MIXTURE. A CONSERVATION TYPE SEED MIXTURE IS APPROPRIATE (OR A 48 LBS/ACRE MIXTURE CONTAINING 20 LBS/ACRE OF CREEPING RED FESCUE AND TALL FESCUE EACH PLUS 8 LBS/ACRE OF BIRDSFOOT TREFOLI).

**CONSTRUCTION OVERSIGHT:** INSPECTION BY A PROFESSIONAL ENGINEER WILL OCCUR AT A MINIMUM:  
 • AFTER THE PRELIMINARY CONSTRUCTION OF THE FILTER GRADES AND ONCE THE UNDERDRAIN PIPES ARE INSTALLED BUT NOT BACKFILLED,  
 • AFTER THE DRAINAGE LAYER IS CONSTRUCTED AND PRIOR TO THE INSTALLATION OF THE FILTER MEDIA,  
 • AFTER THE FILTER MEDIA HAS BEEN INSTALLED AND SEEDED,  
 • AFTER ONE YEAR TO INSPECT HEALTH OF THE VEGETATION AND MAKE CORRECTIONS, AND  
 • ALL THE MATERIAL USED FOR THE CONSTRUCTION OF THE FILTER BASIN MUST BE CONFIRMED AS SUITABLE BY THE DESIGN ENGINEER. TESTING MUST BE DONE BY A CERTIFIED LABORATORY TO SHOW THAT THEY ARE PASSING DEP SPECIFICATIONS.

**TESTING AND SUBMITTALS:** THE CONTRACTOR SHALL IDENTIFY THE LOCATION OF THE SOURCE OF EACH COMPONENT OF THE FILTER MEDIA. ALL RESULTS OF FIELD AND LABORATORY TESTING SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR CONFIRMATION. THE CONTRACTOR SHALL:

- SELECT SAMPLES FOR SAMPLING OF EACH TYPE OF MATERIAL TO BE BLENDED FOR THE MIXED FILTER MEDIA AND SAMPLES OF THE UNDERDRAIN BEDDING MATERIAL. SAMPLES MUST BE COMPOSITE OF THREE DIFFERENT LOCATION (GRABS) FROM THE STOCKPILE OR PIT FACE. SAMPLE SIZE REQUIRED WILL BE DETERMINED BY THE TESTING LABORATORY.
- PERFORM A SIEVE ANALYSIS CONFORMING TO ASTM C136 (STANDARD TEST METHOD FOR SIEVE ANALYSIS OF FINE AND COARSE AGGREGATES 1996A) ON EACH TYPE OF THE SAMPLE MATERIAL. THE RESULTING SOIL FILTER MEDIA MIXTURE MUST HAVE 8% TO 12% BY WEIGHT PASSING THE #200 SIEVE, A CLAY CONTENT OF LESS THAN 2% (DETERMINED HYDROMETER GRAIN SIZE ANALYSIS) AND HAVE 10% DRY WEIGHT OF ORGANIC MATTER.
- PERFORM A PERMEABILITY TEST ON THE SOIL FILTER MEDIA MIXTURE CONFORMING TO ASTM D2434 WITH THE MIXTURE COMPACTED TO 90-92% OF MAXIMUM DRY DENSITY BASED ON ASTM D698.

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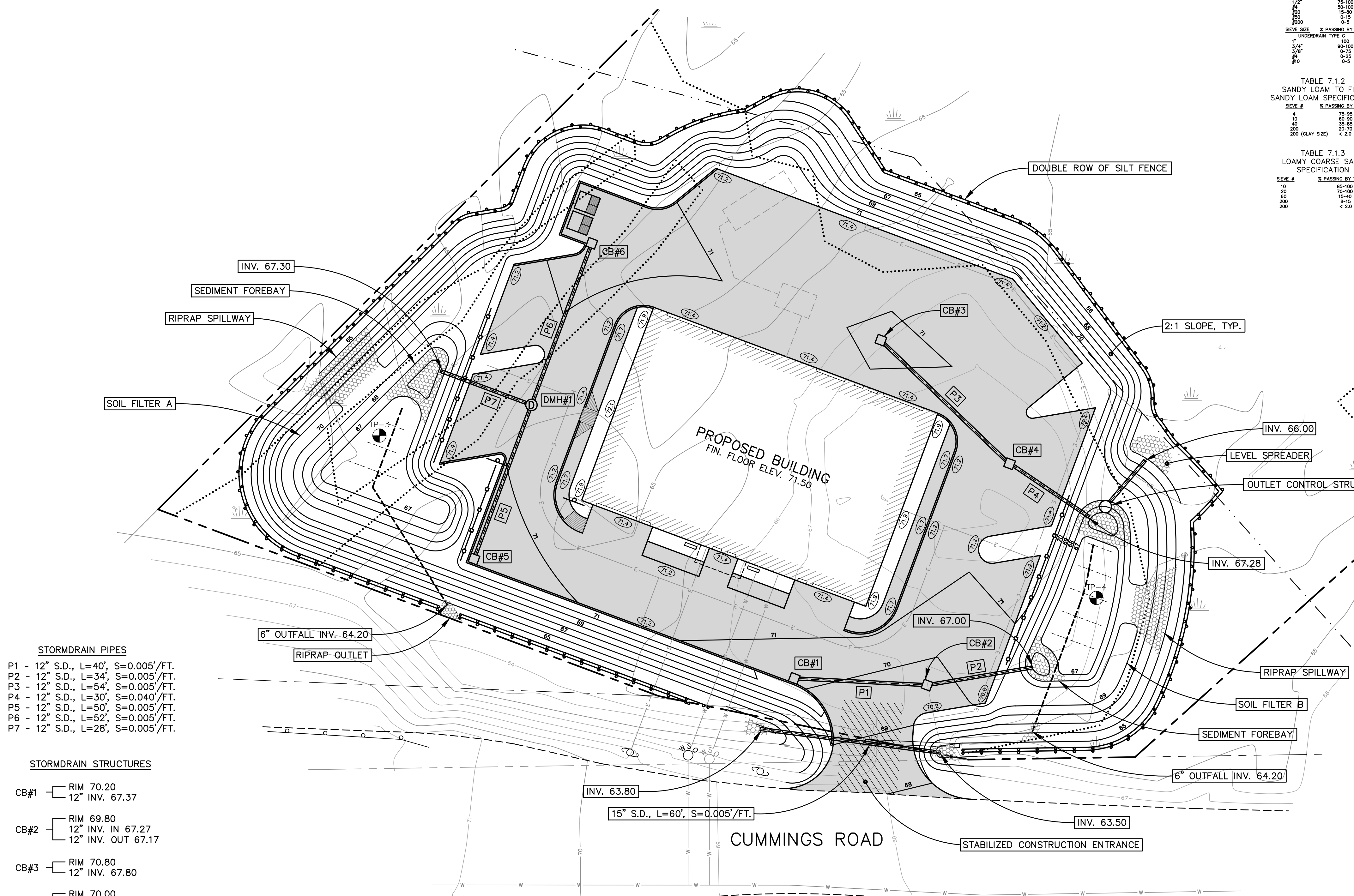
FOR  
 Owen Baxter  
 18 Humewell Road  
 Scarborough, Maine 04074

**SITE GRADING**  
**CONSTRUCTION SERVICES**  
 6 CUMMINGS ROAD  
 SCARBOROUGH, MAINE

DESIGNED W. Pelkey	DATE May 2023
DRAWN Dept.	SCALE 1" = 30'
CHECKED A. Fagan	JOB. NO. 23055

SHEET  
**3**

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**STORMDRAIN PIPES**

P1 - 12" S.D., L=40', S=0.005'/FT.  
 P2 - 12" S.D., L=34', S=0.005'/FT.  
 P3 - 12" S.D., L=54', S=0.005'/FT.  
 P4 - 12" S.D., L=30', S=0.040'/FT.  
 P5 - 12" S.D., L=50', S=0.005'/FT.  
 P6 - 12" S.D., L=52', S=0.005'/FT.  
 P7 - 12" S.D., L=28', S=0.005'/FT.

**STORMDRAIN STRUCTURES**

CB#1 - RIM 70.20  
 12" INV. 67.37

CB#2 - RIM 69.80  
 12" INV. IN 67.27  
 12" INV. OUT 67.17

CB#3 - RIM 70.80  
 12" INV. 67.80

CB#4 - RIM 70.00  
 12" INV. IN 67.53  
 12" INV. OUT 67.43

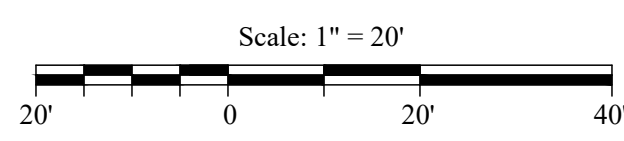
CB#5 - RIM 70.70  
 12" INV. 67.79

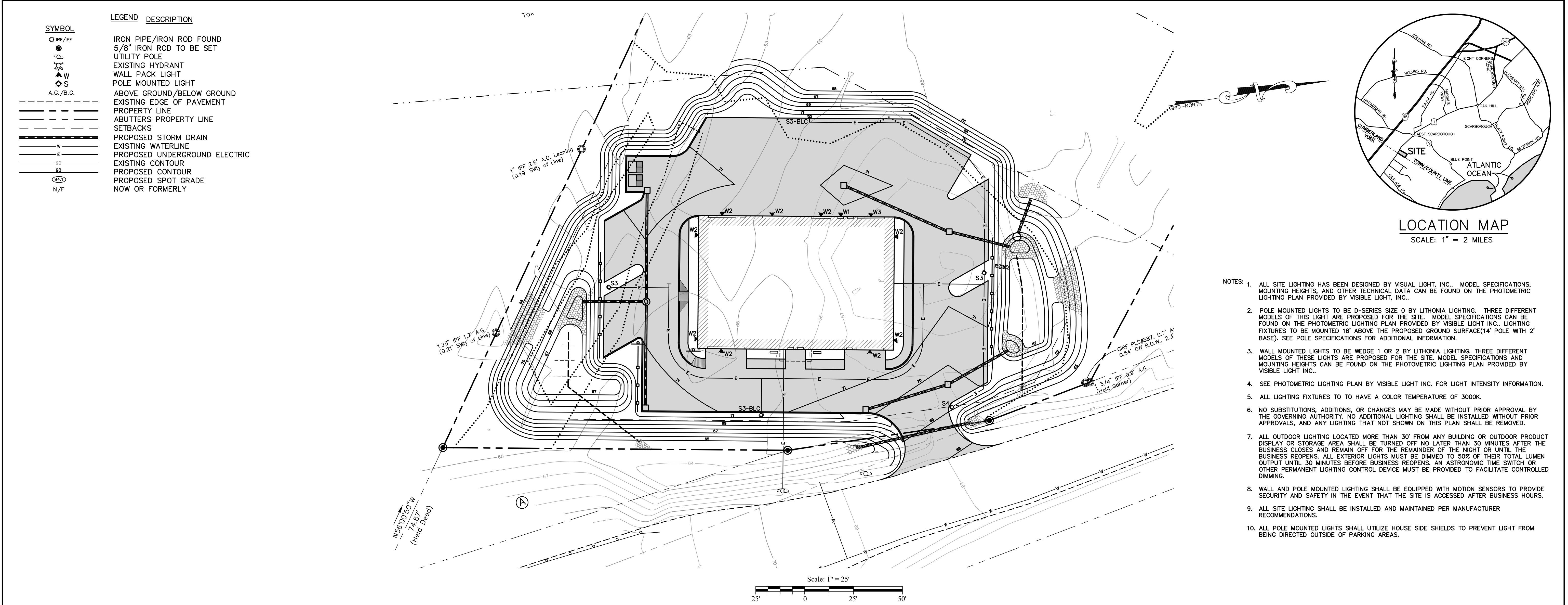
CB#6 - RIM 70.60  
 12" INV. 67.80

DMH#1 - RIM 71.20  
 12" INVS. IN 67.54  
 12" INV. OUT 67.44

**LEGEND**

SYMBOL	DESCRIPTION
.....	LIMIT OF WETLANDS
-----	PROPERTY LINE
-----	EXISTING CONTOUR
-----	PROPOSED CONTOUR
○	SILT FENCE
○	SPOT GRADE
○	UTILITY POLE
○	SEWER LINE
○	UNDERGROUND ELECTRIC
□	PROPOSED CATCH BASIN
W	WATER SERVICE





- NOTES:
- ALL SITE LIGHTING HAS BEEN DESIGNED BY VISIBLE LIGHT, INC. MODEL SPECIFICATIONS, MOUNTING HEIGHTS, AND OTHER TECHNICAL DATA CAN BE FOUND ON THE PHOTOMETRIC LIGHTING PLAN PROVIDED BY VISIBLE LIGHT, INC.
  - POLE MOUNTED LIGHTS TO BE D-SERIES SIZE 0 BY LITHONIA LIGHTING. THREE DIFFERENT MODELS OF THIS LIGHT ARE PROPOSED FOR THE SITE. MODEL SPECIFICATIONS CAN BE FOUND ON THE PHOTOMETRIC LIGHTING PLAN PROVIDED BY VISIBLE LIGHT INC. LIGHTING FIXTURES TO BE MOUNTED 16' ABOVE THE PROPOSED GROUND SURFACE (14' POLE WITH 2' BASE). SEE POLE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
  - WALL MOUNTED LIGHTS TO BE WEDGE 1 OR 2 BY LITHONIA LIGHTING. THREE DIFFERENT MODELS OF THESE LIGHTS ARE PROPOSED FOR THE SITE. MODEL SPECIFICATIONS AND MOUNTING HEIGHTS CAN BE FOUND ON THE PHOTOMETRIC LIGHTING PLAN PROVIDED BY VISIBLE LIGHT INC.
  - SEE PHOTOMETRIC LIGHTING PLAN BY VISIBLE LIGHT INC. FOR LIGHT INTENSITY INFORMATION.
  - ALL LIGHTING FIXTURES TO HAVE A COLOR TEMPERATURE OF 3000K.
  - NO SUBSTITUTIONS, ADDITIONS, OR CHANGES MAY BE MADE WITHOUT PRIOR APPROVAL BY THE GOVERNING AUTHORITY. NO ADDITIONAL LIGHTING SHALL BE INSTALLED WITHOUT PRIOR APPROVALS, AND ANY LIGHTING THAT NOT SHOWN ON THIS PLAN SHALL BE REMOVED.
  - ALL OUTDOOR LIGHTING LOCATED MORE THAN 30' FROM ANY BUILDING OR OUTDOOR PRODUCT DISPLAY OR STORAGE AREA SHALL BE TURNED OFF NO LATER THAN 30 MINUTES AFTER THE BUSINESS CLOSURE AND REMAIN OFF FOR THE REMAINDER OF THE NIGHT OR UNTIL THE BUSINESS REOPENS. ALL EXTERIOR LIGHTS MUST BE DIMMED TO 50% OF THEIR TOTAL LUMEN OUTPUT UNTIL 30 MINUTES BEFORE BUSINESS REOPENS. AN ASTRONOMIC TIME SWITCH OR OTHER PERMANENT LIGHTING CONTROL DEVICE MUST BE PROVIDED TO FACILITATE CONTROLLED DIMMING.
  - WALL AND POLE MOUNTED LIGHTING SHALL BE EQUIPPED WITH MOTION SENSORS TO PROVIDE SECURITY AND SAFETY IN THE EVENT THAT THE SITE IS ACCESSED AFTER BUSINESS HOURS.
  - ALL SITE LIGHTING SHALL BE INSTALLED AND MAINTAINED PER MANUFACTURER RECOMMENDATIONS.
  - ALL POLE MOUNTED LIGHTS SHALL UTILIZE HOUSE SIDE SHIELDS TO PREVENT LIGHT FROM BEING DIRECTED OUTSIDE OF PARKING AREAS.

WALL LIGHT 1 (W1)

**WDGE1 LED Architectural Wall Sconce**

Introduction: The WDGE1 LED family is designed to meet specific every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean, recessed design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing true site-wide solution. WDGE1 delivers up to 2,000 lumens with a soft, non-polluted light source, creating a visually comfortable environment. The compact size of WDGE1, with its integrated emergency battery backup option, makes it an ideal over-the-door wall-mounted lighting solution.

Specifications:  
 Depth (D1): 5.5"  
 Depth (D2): 1.5"  
 Height: 6"  
 Width: 9"  
 Weight: 9.6 lbs (without option)

WALL LIGHT 2 (W2 & W3)

**WDGE2 LED Architectural Wall Sconce Precision Refractive Optic**

Introduction: The WDGE2 LED family is designed to meet specific every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean, recessed design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. WDGE2 delivers up to 2,000 lumens with a soft, non-polluted light source, creating a visually comfortable environment. The compact size of WDGE2, with its integrated emergency battery backup option, makes it an ideal over-the-door wall-mounted lighting solution.

Specifications:  
 Depth (D1): 7.5"  
 Depth (D2): 1.5"  
 Height: 9"  
 Width: 11.5"  
 Weight: 13.5 lbs (without option)

ENTRANCE CANOPY LIGHTS (D)

**LITHONIA LIGHTING LDN4 STATIC WHITE**

Introduction: The LDN4 Static White is a high-performance, energy-efficient lighting fixture designed for entrance canopies. It features a sleek, modern design and is available in multiple sizes and lumen packages. The fixture is designed to provide uniform, glare-free illumination for your entrance area.

Specifications:  
 Depth: 12.5"  
 Height: 12.5"  
 Weight: 11.5 lbs

POLE MOUNTED LIGHT (S3, S3-BLC, S4)

**LITHONIA LIGHTING D-Series Size 0 LED Area Luminaire**

Introduction: The D-Series Size 0 LED Area Luminaire is a high-performance, energy-efficient lighting fixture designed for pole mounting. It features a sleek, modern design and is available in multiple sizes and lumen packages. The fixture is designed to provide uniform, glare-free illumination for your site.

Specifications:  
 Depth: 12.5"  
 Height: 12.5"  
 Weight: 11.5 lbs

LIGHT POLE

**LITHONIA LIGHTING Anchor Base Poles**

Introduction: The Anchor Base Poles are high-strength, galvanized steel poles designed for pole mounting. They are available in multiple heights and diameters. The poles are designed to provide a secure, stable mounting for your lighting fixtures.

Specifications:  
 Height: 12.5"  
 Weight: 11.5 lbs

**WDGE LED Family Overview**

Luminaire	Standard P.C. Color	Beam	Power	Height	Weight
WDGE1 LED	40°	1200	2000	6"	9.6 lbs
WDGE2 LED	30°	1200	2000	9"	13.5 lbs
WDGE3 LED	20°	1200	2000	12"	17.4 lbs
WDGE4 LED	10°	1200	2000	15"	21.3 lbs

**Ordering Information**

EXAMPLE: WDGE1 LED P2 40K 80CRI VF MVOLT SRM PE DBXDD

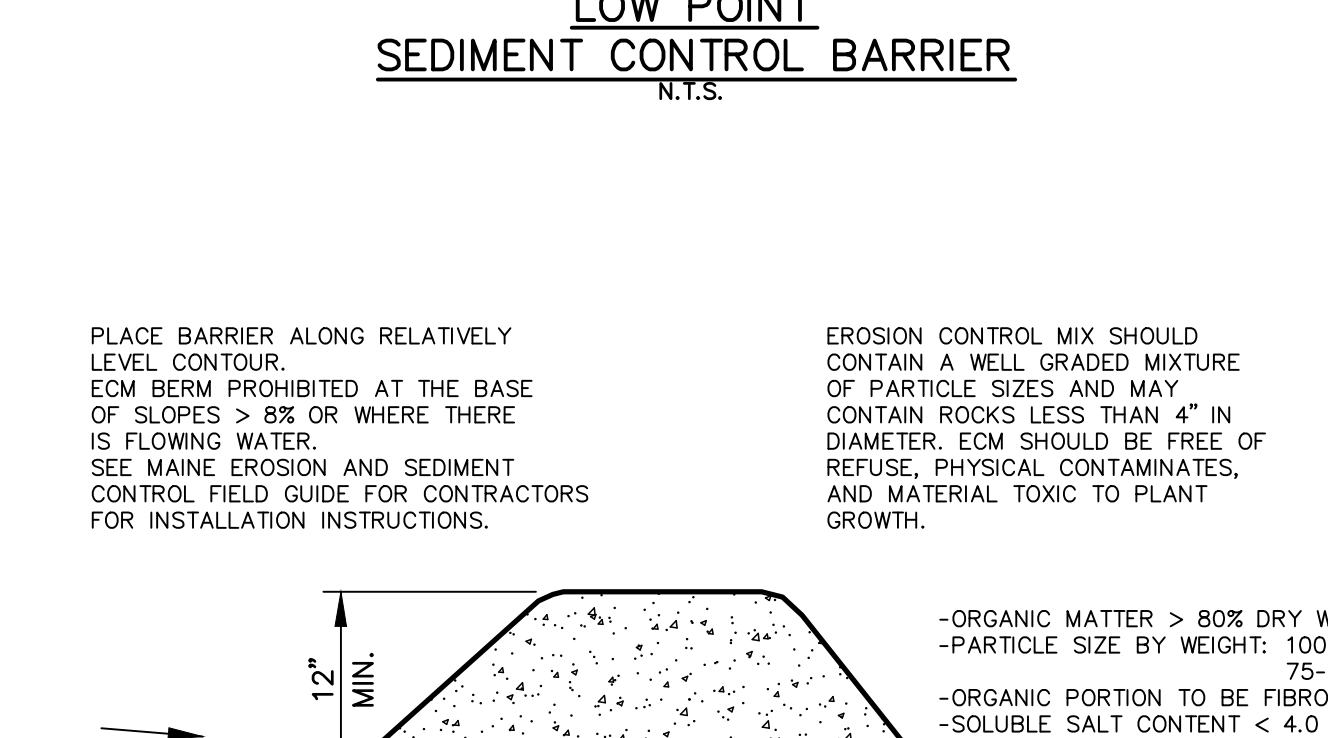
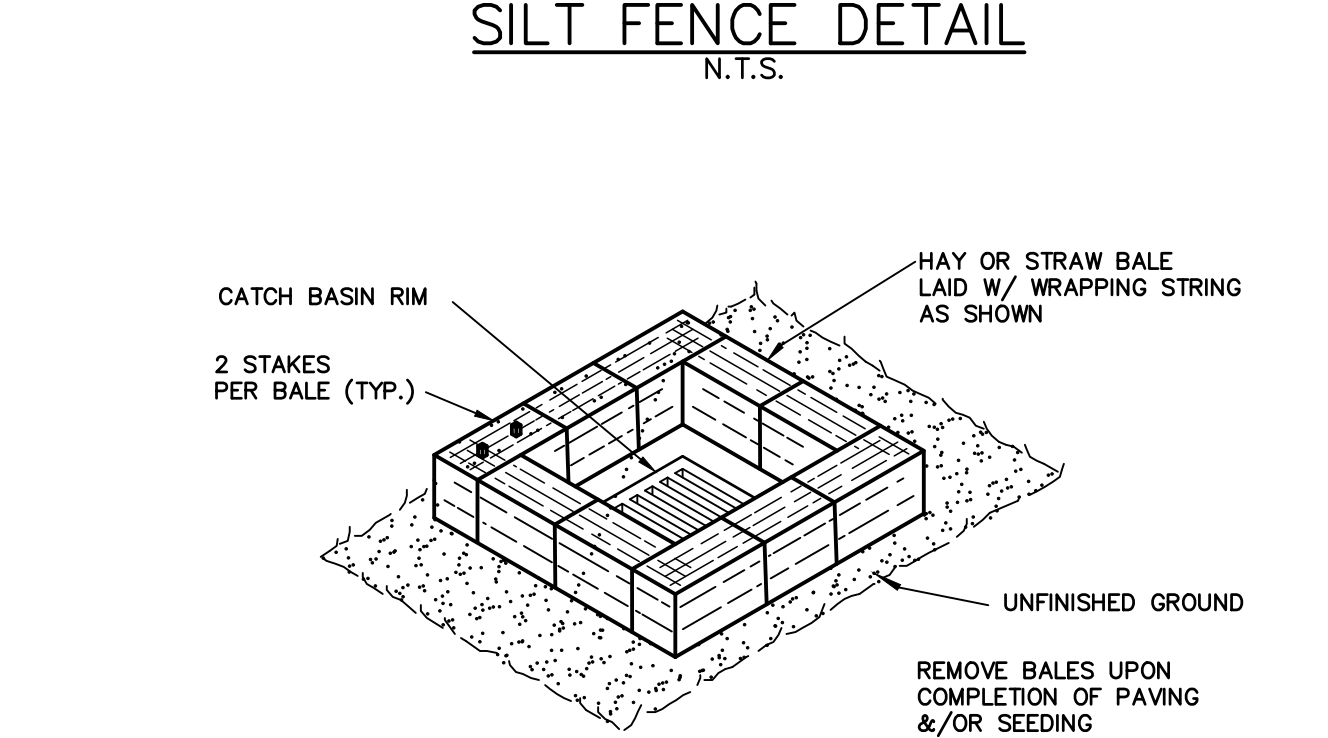
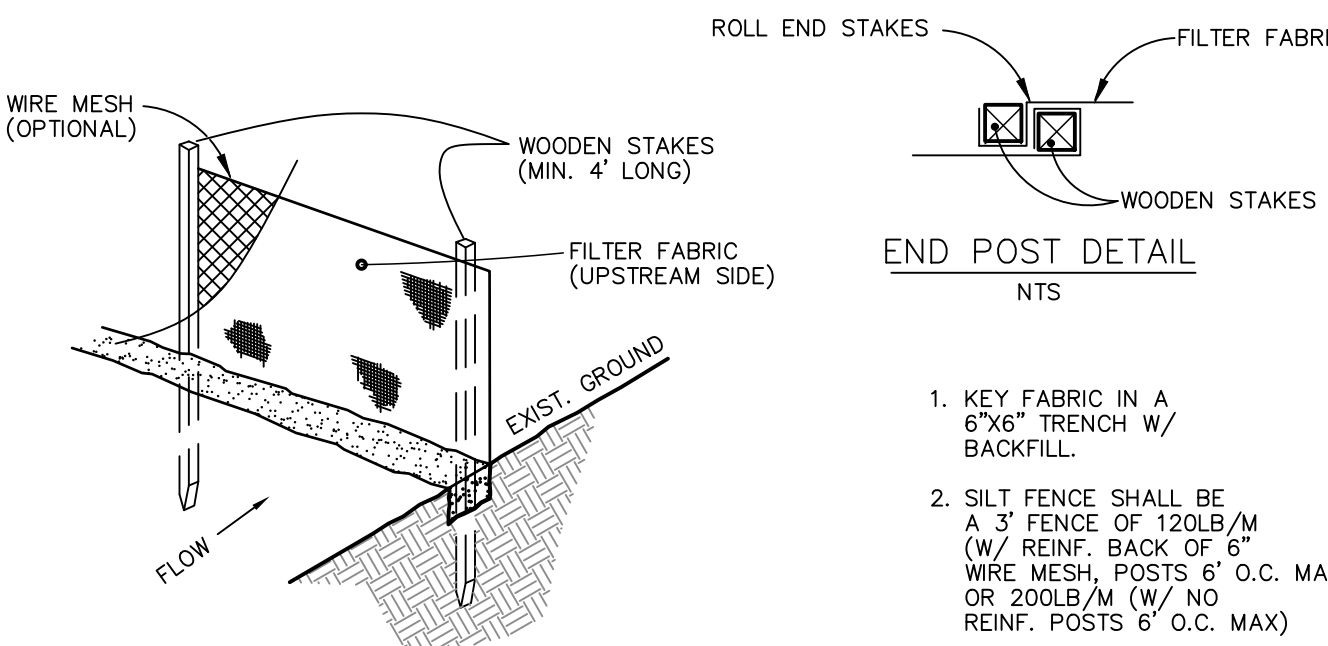
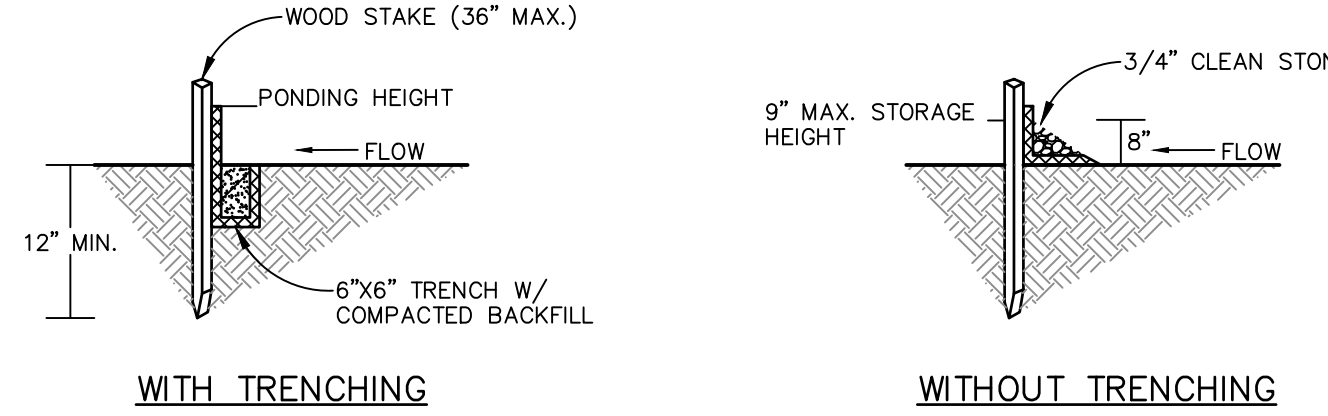
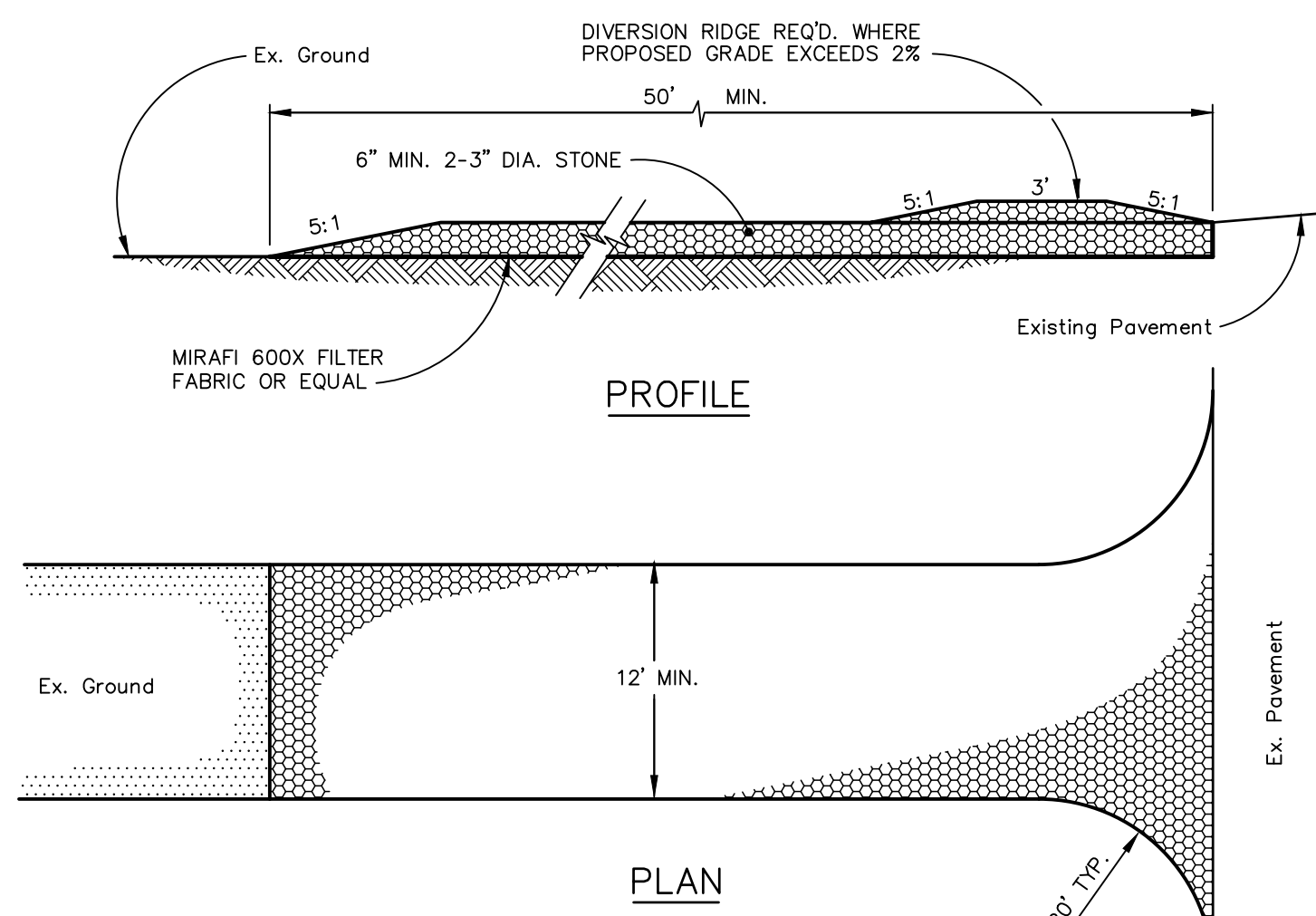
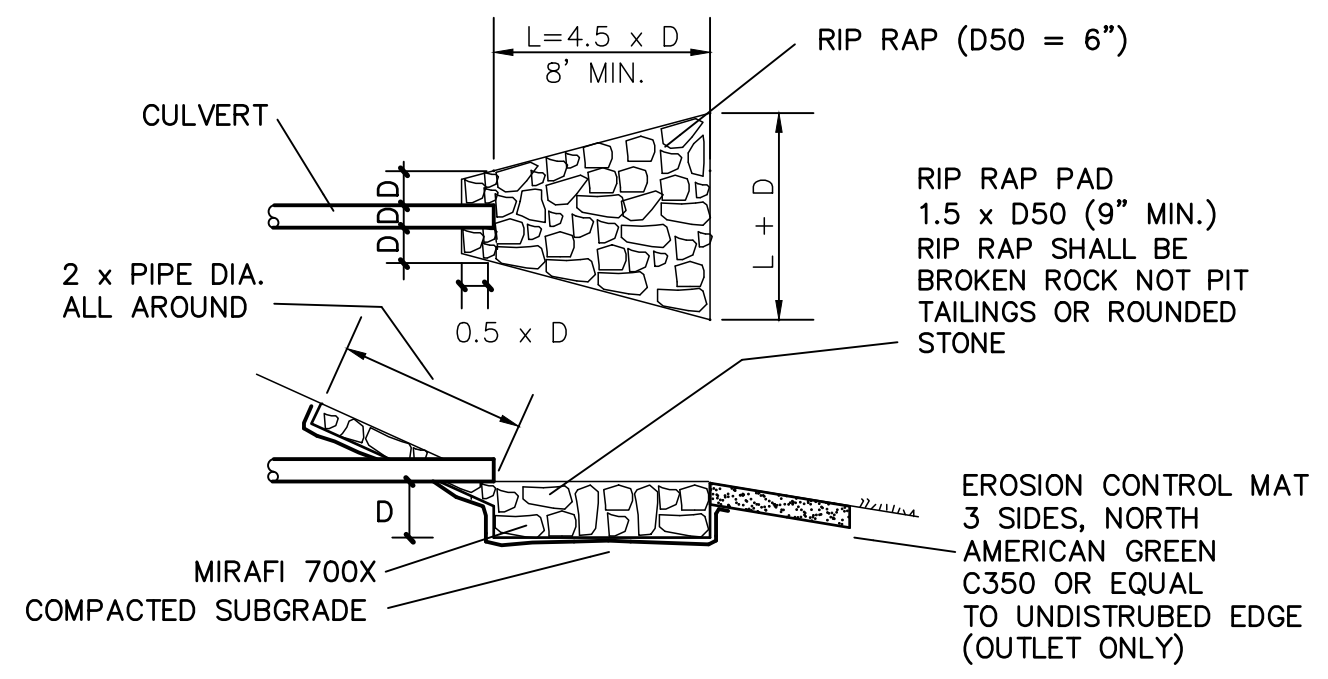
Series	Package	Color Temperature	CR	Beam Angle	Height	Weight
WDGE1 LED	P1	3000	80	40°	6"	9.6 lbs
WDGE2 LED	P2	3000	80	30°	9"	13.5 lbs
WDGE3 LED	P3	3000	80	20°	12"	17.4 lbs
WDGE4 LED	P4	3000	80	10°	15"	21.3 lbs

**Options**

Option	Description	Code
EMF	Emergency battery backup Certified to UL 924-2 (NICED)	EMF
PE	Precision Refractive Optic	PE
CR	Color Rendering Index (CRI)	CR
BA	Beam Angle	BA
HT	Height	HT
WT	Weight	WT

**Accessories**

Accessory	Description	Code
WSP	Wall Mounting Plate	WSP
WSP-2	Wall Mounting Plate (2-Pack)	WSP-2
WSP-4	Wall Mounting Plate (4-Pack)	WSP-4
WSP-8	Wall Mounting Plate (8-Pack)	WSP-8
WSP-16	Wall Mounting Plate (16-Pack)	WSP-16
WSP-32	Wall Mounting Plate (32-Pack)	WSP-32
WSP-64	Wall Mounting Plate (64-Pack)	WSP-64
WSP-128	Wall Mounting Plate (128-Pack)	WSP-128
WSP-256	Wall Mounting Plate (256-Pack)	WSP-256
WSP-512	Wall Mounting Plate (512-Pack)	WSP-512
WSP-1024	Wall Mounting Plate (1024-Pack)	WSP-1024
WSP-2048	Wall Mounting Plate (2048-Pack)	WSP-2048
WSP-4096	Wall Mounting Plate (4096-Pack)	WSP-4096
WSP-8192	Wall Mounting Plate (8192-Pack)	WSP-8192
WSP-16384	Wall Mounting Plate (16384-Pack)	WSP-16384
WSP-32768	Wall Mounting Plate (32768-Pack)	WSP-32768
WSP-65536	Wall Mounting Plate (65536-Pack)	WSP-65536
WSP-131072	Wall Mounting Plate (131072-Pack)	WSP-131072
WSP-262144	Wall Mounting Plate (262144-Pack)	WSP-262144
WSP-524288	Wall Mounting Plate (524288-Pack)	WSP-524288
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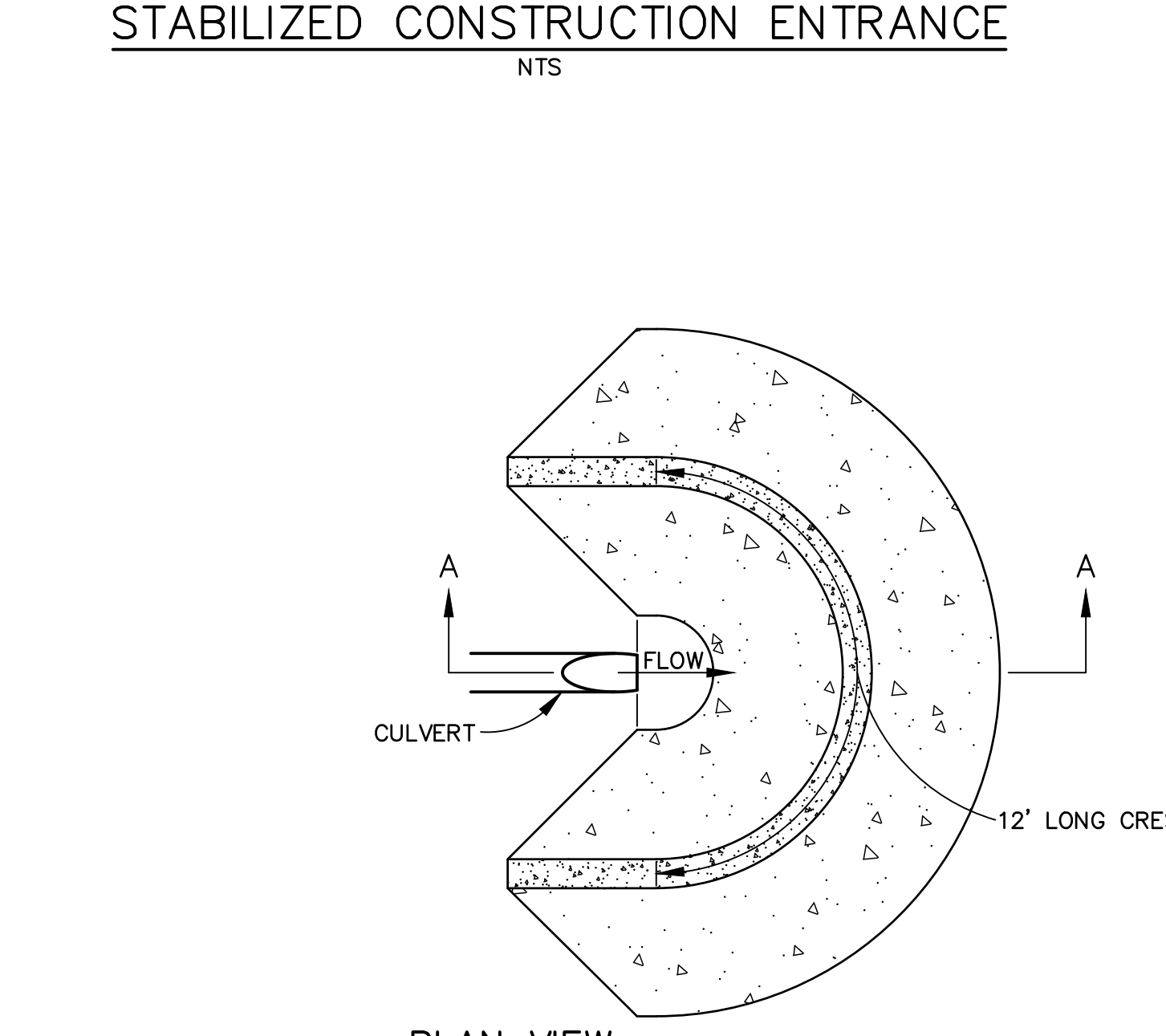


**NOTES:**

THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY.

WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.



1. Prepare soil before installing blankets, including lime, fertilizer & seed.
2. Begin at top of slope by anchoring blanket in 6" x 6" trench. Backfill & compact trench after stapling.
3. Roll blankets down or horizontally across slope.
4. The edges of parallel blankets must be stapled with approx. 2" overlap.
5. When blankets must be spilled down the slope, piece blankets end over end (single staple) with approx. 4" overlap. Staple through overlapped area, approx. 12" apart.

**1. USE 4" TO 6" STONE.**  
**2. PLACE STONE OVER GEOTEXTILE.**

**Slope Stabilization:**  
Erosion Control Blanket shall be in accordance with M.D.T. standard specifications Section 6.13, Temporary Erosion Control Blankets and Extended Use Erosion Control Blankets.



**EROSION AND SEDIMENT CONTROL PLAN**

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 DEVELOPING AREAS AS CONTAINED IN THE LATEST REVISION OF THE 2016 MAINE EROSION AND SEDIMENT CONTROL BMP'S MANUAL FOR DESIGNERS AND ENGINEERS, AND THE LATEST REVISION TO THE 2014 MAINE EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONTRACTORS. SEE MANUALS FOR ADDITIONAL INFORMATION AND DETAILS.

**EROSION CONTROL DURING CONSTRUCTION**

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 DEVELOPING AREAS AS CONTAINED IN THE LATEST REVISION OF THE 2016 MAINE EROSION AND SEDIMENT CONTROL BMP'S MANUAL FOR DESIGNERS AND ENGINEERS, AND THE LATEST REVISION TO THE 2014 MAINE EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONTRACTORS. SEE MANUALS FOR ADDITIONAL INFORMATION AND DETAILS.

1. ALL CONSTRUCTION INSPECTIONS SHALL BE CONDUCTED BY SOMEONE WITH KNOWLEDGE OF EROSION AND STORMWATER CONTROL, INCLUDING STANDARDS AND PERMIT CONDITIONS. CONSTRUCTION SHALL BE PERFORMED AT LEAST ONCE A WEEK, AND PRIOR TO AND 24 HOURS AFTER A WET WEATHER EVENT (1 INCH OR MORE IN A 24 HOUR PERIOD). CONSTRUCTION INSPECTION AND CORRECTIVE ACTION DOCUMENTATION RECORDS SHALL BE MAINTAINED FOR A MINIMUM OF 5 YEARS.
2. THE SCOPE OF CONSTRUCTION INSPECTIONS INCLUDES THE EROSION AND SEDIMENTATION CONTROL MEASURES AS WELL AS DISTURBED AREAS, MATERIAL STORAGE AREAS, AND LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE.
3. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE IN ACCORDANCE WITH THE "MAINE EROSION AND SEDIMENT CONTROL BMP'S", DEPARTMENT OF ENVIRONMENTAL PROTECTION, LATEST REVISION.
4. THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 7 DAYS OF FINAL GRADING AND PERMANENTLY STABILIZED WITHIN 7 DAYS OF INITIAL DISTURBANCE OF THE SOIL. IF THE DISTURBANCE IS WITHIN 75 FEET OF A WETLAND OR WATERBODY, THE AREA SHALL BE STABILIZED WITHIN 2 DAYS OR PRIOR TO ANY STORM EVENT, WHICHEVER COMES FIRST.
5. EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN 1 ACRES OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
6. EXPOSED AREA SHOULD BE LIMITED TO THAT WHICH CAN BE MULCHED IN ONE DAY.
7. 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 MORE THAN ONE ACRE OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION.
8. SEDIMENT BARRIERS (EROSION CONTROL MIX, STONE CHECK DAMS, STABILIZED CONSTRUCTION ENTRANCE, ETC) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM. THE CONTRACTOR SHALL MAINTAIN THE STABILIZED CONSTRUCTION ENTRANCE UNTIL ALL DISTURBED AREAS ARE STABILIZED.
9. INSTALL EROSION CONTROL MIX AT TOE OF SLOPES TO FILTER SILT FROM RUNOFF. SEE E.C. MIX DETAIL FOR PROPER INSTALLATION. EROSION CONTROL MIX WILL REMAIN IN PLACE PER NOTE AT THE USE OF AN EROSION CONTROL MIX BERM IS PROHIBITED AT THE BASE OF SLOPES STEEPER THAN 8% OR WHERE THERE IS FLOWING WATER.
10. ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED, AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY BEFORE AND FOLLOWING ANY SIGNIFICANT RAINFALL (0.5 INCH OR MORE IN A 24-HOUR PERIOD) OR SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. IF AN INSPECTION DETERMINES THAT A CORRECTIVE ACTION IS REQUIRED, THE ACTION OR REPAIR SHALL BE STARTED BY THE END OF THE NEXT WORKDAY AND COMPLETED WITHIN SEVEN DAYS OR BEFORE THE NEXT STORM EVENT. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY 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. EROSION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS OF PERMANENT STABILIZATION. PERMANENT STABILIZATION IS 90% GRASS CATCH IN VEGETATED AREAS.
11. NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN ONE AND ONE HALF TO ONE (1.5 TO 1).
12. IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST, USE TEMPORARY MULCHING (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
13. TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED BY AUG. 15 OR 45 DAYS PRIOR TO THE FIRST KILLING FROST (OCT. 1) TO PROTECT FROM SPRING RUNOFF PROBLEMS.
14. 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.
15. 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. FOUR INCHES OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE.
  - b. APPLY LIME AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TESTING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 800 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.).
  - c. FOLLOWING SEED BED PREPARATION, DITCHES AND BACK SLOPES WILL BE SEED TO A MIXTURE OF 47% CREEPING RED FESCUE, 5% REDTOP, AND 48% PERENNIAL RYEGRASS. THE LAWN AREAS WILL BE SEED TO A PREMIUM TURF MIXTURE OF 44% KENTUCKY BLUEGRASS, 44% CREEPING RED FESCUE, AND 12% PERENNIAL RYEGRASS. SEEDING RATE IS 1.03 LBS PER 1000 SQ. FT. LAWN QUALITY SOO MAY BE SUBSTITUTED FOR SEED. SEED MIX SHALL CONTAIN 10% ANNUAL RYE GRASS.
  - d. HAY MULCH AT THE RATE OF 70-90 LBS PER 1000 SQUARE FEET FOR OVER 75% COVERAGE. FOR UNPROTECTED OR WINDY AREAS, ANCHOR MULCH WITH PEG AND TWINE (1 SQ. YD./BLOCK). HYDRALIC MULCHES MAY ALSO BE USED. APPLIED AT A RATE OF 5 LBS PER 1000 SQUARE FEET FOR PAPER MULCH OR 40 LBS PER 1000 SQUARE FEET OR AS DIRECTED BY THE MANUFACTURER. ON SLOPES GREATER THAN 3:1 EROSION CONTROL MIX MAY BE USED. SEE EROSION CONTROL MIX NOTES BELOW.
  - e. FOR DISTURBED AREAS TO BE MAINTAINED IN POST-CONSTRUCTION AS A MEADOW BUFFER, APPLY NEW ENGLAND CONSERVATION WILDLIFE MIX BY NEW ENGLAND WETLAND PLANTS, INC., OF AMHERST, MASSACHUSETTS OR APPROVED EQUAL.
16. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS ONCE THE SITE IS STABILIZED WITH 90% GRASS CATCH IN VEGETATED AREAS. TEMPORARY EROSION AND SEDIMENT CONTROL BLANKET SHALL BE USED IN ALL DITCHES AND SWALES AS SHOWN IN DETAILS.
17. WETLANDS WILL BE PROTECTED WITH EROSION CONTROL MIX OR SILT FENCE INSTALLED AT THE EDGE FOR THE WETLAND OR THE BOUNDARY OF WETLAND DISTURBANCE. ALL AREAS WITHIN 75 FEET OF A PROTECTED NATURAL RESOURCE MUST BE PROTECTED WITH A DOUBLE ROW OF SEDIMENT BARRIERS DURING WINTER CONSTRUCTION.
18. ALL STORMWATER WILL BE PREVENTED FROM RUNNING ONTO STOCKPILES. SEDIMENT BARRIERS WILL BE INSTALLED DOWNGRADIENT OF ALL STOCKPILES.
19. PERMANENT POST-CONSTRUCTION BMP'S (VEGETATED SWALES, WET PONDS, ETC.) WILL NOT BE USED TO MANAGE FLOWS DURING CONSTRUCTION WITHOUT SPECIAL PROTECTION AND/OR RESTORATION.

**ADDITIONAL TEMPORARY SEED MIXTURE (FOR PERIODS LESS THAN 12 MONTHS):**

SEASON	SEED	RATE
SUMMER (5/15 - 8/15)	SUDAGRASS	40 LBS/ACRE
LATE SUMMER/EARLY FALL (8/15 - 9/15)	OATS	40 LBS/ACRE
FALL (9/15 - 11/1)	PERENNIAL RYEGRASS	40 LBS/ACRE
WINTER (11/1 - 4/1)	WINTER RYE	112 LBS/ACRE
SPRING (4/1 - 7/1)	MULCH W/ DORMANT SEED	80 LBS/ACRE*
	OATS	40 LBS/ACRE
	ANNUAL RYEGRASS	40 LBS/ACRE

\*SEED RATE ONLY

**EROSION CONTROL MIX**

EROSION CONTROL MIX (ECM) SHALL MEET THE REQUIREMENTS PROVIDED IN THE LATEST REVISION OF MAINE DEP'S EROSION AND SEDIMENTATION CONTROL BMP MANUAL. ECM IS ACCEPTABLE FOR USE ON SLOPES OF GREATER THAN 3:1 BUT LESS THAN 2:1. ECM SHALL CONSIST OF WELL-GRADED ORGANIC COMPONENT 50 - 100% OF DRY WEIGHT, AND COMPRISED OF FIBROUS AND ELONGATED FRAGMENTS. ECM SHALL BE FREE FROM REFUSE MATERIAL, TOXIC TO PLANT GROWTH OR CONSTRUCTION DEBRIS. ECM SHALL BE EVENLY DISTRIBUTED AND APPLIED AT A THICKNESS OF 2" ON 3:1 SLOPES, WITH AN ADDITIONAL 1/2" 20' OF SLOPE FOR A MAXIMUM OF 100' IN LENGTH. SLOPES GREATER THAN 3:1, ECM SHALL BE APPLIED AT THICKNESS OF 4" OR 5" FOR SLOPES GREATER THAN 60' IN LENGTH.

NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN ONE AND ONE HALF TO ONE (1.5:1). EROSION CONTROL MIX IS AN ACCEPTABLE STABILIZATION MEASURE FOR SLOPES UP TO 3:1, WITH LIMITS THAT ARE COVERED BY NOTES ON THIS SHEET. SLOPES BETWEEN 3:1 AND 2:1 SHALL BE STABILIZED WITH EROSION CONTROL BLANKETS, AND ALL SLOPES GREATER THAN 2:1 SHALL BE STABILIZED WITH RIPRAP. SEE SLOPE STABILIZATION DETAIL FOR ADDITIONAL INFORMATION.

1. WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.
2. OVERWINTER STABILIZATION OF DITCHES AND CHANNELS: ALL STONE-LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED BY NOVEMBER 15. ALL GRASS LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED BY SEPTEMBER 1. IF A DITCH OR CHANNEL IS NOT GRASS-LINED BY SEPTEMBER 1, THEN ONE OF THE FOLLOWING ACTIONS MUST BE TAKEN TO STABILIZE THE DITCH FOR LATE FALL AND WINTER:
  - A. INSTALL A SOO LINING IN THE DITCH: A DITCH MUST BE LINED WITH PROPERLY INSTALLED SOO BY OCTOBER 1. PROPER INSTALLATION INCLUDES: PINNING THE SOO ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOO TO GUARANTEE CONTACT BETWEEN THE SOO AND UNDERLYING SOIL, WATERING THE SOO TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL, AND ANCHORING SOO AT THE BASE OF THE DITCH WITH JUTE OR PLASTIC MESH TO PREVENT THE SOO FROM SLOUGHING DURING FLOW CONDITIONS. SEE THE PERMANENT VEGETATION BMP SECTION.
  - B. INSTALL A STONE LINING IN THE DITCH: A DITCH MUST BE LINED WITH STONE RIPRAP BY NOVEMBER 15. A REGISTERED PROFESSIONAL ENGINEER MUST BE HIRED TO DETERMINE THE STONE SIZE AND LINING THICKNESS NEEDED TO WITHSTAND THE ANTICIPATED FLOW VELOCITIES AND FLOW DEPTHS WITHIN THE DITCH. IF NECESSARY, THE CONTRACTOR WILL REGRADE THE DITCH PRIOR TO PLACING THE STONE LINING SO TO PREVENT THE STONE LINING FROM REDUCING THE DITCH'S CROSS-SECTIONAL AREA.
3. OVERWINTER STABILIZATION OF DISTURBED SLOPES: ALL STONE-COVERED SLOPES MUST BE CONSTRUCTED AND STABILIZED BY NOVEMBER 15. ALL SLOPES TO BE VEGETATED MUST BE SEED AND MULCH BY SEPTEMBER 1. THE DEPARTMENT WILL CONSIDER ANY AREA HAVING A GRADE GREATER THAN 10% TO BE A SLOPE. IF A SLOPE TO BE VEGETATED IS NOT STABILIZED BY SEPTEMBER 1, THEN ONE OF THE FOLLOWING ACTIONS MUST BE TAKEN TO STABILIZE THE SLOPE FOR LATE FALL AND WINTER: STABILIZE THE SOIL WITH TEMPORARY VEGETATION AND EROSION CONTROL MATS. BY OCTOBER 1 THE DISTURBED SOIL MUST BE SEED WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET AND THEN INSTALL EROSION CONTROL MATS OR ANCHORED MULCH OVER THE SEEDING. IF THE RYE FALLS TO BROWN AT LEAST THREE INCHES OR FALLS TO COVER AT LEAST 70% OF THE SLOPE BY NOVEMBER 1, THEN THE CONTRACTOR WILL COVER THE SLOPE WITH A LAYER OF EROSION CONTROL MIX OR WITH STONE RIPRAP AS DESCRIBED IN THE FOLLOWING STANDARDS:
  - A. STABILIZE THE SOIL WITH SOO: THE DISTURBED SOIL MUST BE STABILIZED WITH PROPERLY INSTALLED SOO BY OCTOBER 1. PROPER INSTALLATION INCLUDES: THE CONTRACTOR PINNING THE SOO ONTO THE SLOPE WITH WIRE PINS, ROLLING THE SOO TO GUARANTEE CONTACT BETWEEN THE SOO AND UNDERLYING SOIL, AND WATERING THE SOO TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL. THE CONTRACTOR WILL NOT USE LATE SEASON SOO INSTALLATION TO STABILIZE SLOPES HAVING A GRADE GREATER THAN 33% (3:1V) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.
  - B. STABILIZE THE SOIL WITH EROSION CONTROL MIX: EROSION CONTROL MIX MUST BE PROPERLY INSTALLED BY NOVEMBER 15. THE CONTRACTOR WILL NOT USE EROSION CONTROL MIX TO STABILIZE SLOPES HAVING GREATER THAN 30% (3:1V) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE. SEE THE EROSION CONTROL MIX NOTES FOR ADDITIONAL CRITERIA.
  - C. STABILIZE THE SOIL WITH STONE RIPRAP: PLACE A LAYER OF STONE RIPRAP ON THE SLOPE BY NOVEMBER 15. THE DEVELOPER'S OWNER WILL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE NEEDED FOR STABILITY ON THE SLOPE AND TO DESIGN A FILTER LAYER FLOW UNDERNEATH THE RIPRAP.
4. OVERWINTER STABILIZATION OF DISTURBED SOILS: BY SEPTEMBER 15, ALL DISTURBED AREAS HAVING A SLOPE LESS THAN 10% MUST BE SEED AND MULCHED. IF THE DISTURBED AREAS ARE NOT STABILIZED BY THIS DATE, THEN ONE OF THE FOLLOWING ACTIONS MUST BE TAKEN TO STABILIZE THE SOIL FOR LATE FALL AND WINTER:
  - A. STABILIZE THE SOIL WITH TEMPORARY VEGETATION: BY OCTOBER 1, SEED THE DISTURBED SOIL WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET. LIGHTLY MULCH THE SEEDS WITH HAY OR STRAW AT 75 POUNDS PER 1000 SQUARE FEET. ANCHOR THE MULCH WITH PLASTIC NETTING. MONITOR GROWTH OF THE RYE. IF THE RYE FALLS TO GROW AT LEAST THREE INCHES BY NOVEMBER 1, THEN THE CONTRACTOR SHALL REGRADE THE SOIL BEFORE NOVEMBER 1, THEN MULCH THE AREA FOR OVER-WINTER PROTECTION AS DESCRIBED BELOW.
  - B. STABILIZE THE SOIL WITH SOO: STABILIZE THE DISTURBED SOIL WITH PROPERLY INSTALLED SOO BY OCTOBER 1. PROPER INSTALLATION INCLUDES: PINNING THE SOO ONTO THE SLOPE WITH WIRE PINS, ROLLING THE SOO TO GUARANTEE CONTACT BETWEEN THE SOO AND UNDERLYING SOIL, AND WATERING THE SOO TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL.
  - C. STABILIZE THE SOIL WITH MULCH: BY NOVEMBER 15, MULCH THE DISTURBED SOIL BY SPREADING HAY OR STRAW AT A RATE OF AT LEAST 150 POUNDS PER 1000 SQUARE FEET ON THE AREA SO THAT NO SOIL IS VISIBLE THROUGH THE MULCH. IMMEDIATELY AFTER APPLYING MULCH WITH PLASTIC NETTING TO PREVENT WIND FROM MOVING THE MULCH OFF THE DISTURBED SOIL. PROVIDE TIEBACKS ON ALL SLOPES GREATER THAN 8%.
5. MAINTENANCE: IF AN INSPECTION DETERMINES THAT A CORRECTIVE ACTION IS REQUIRED, THE ACTION OR REPAIR SHALL BE STARTED BY THE END OF THE NEXT WORKDAY AND COMPLETED WITHIN SEVEN DAYS BEFORE THE NEXT STORM EVENT. MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION SEASON. ONCE A WEEK, AND BEFORE AND AFTER EACH RAINFALL, SNOW STORM OR PERIOD OF THAWING AND RUNOFF, THE CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL INSTALLED EROSION CONTROL MEASURES AND PERFORM REPAIRS AS NEEDED TO INSURE THEIR CONTINUOUS FUNCTION. FOLLOWING THE TEMPORARY AND/OR FINAL SEEDING AND MULCHING, THE CONTRACTOR SHALL IN THE SPRING, INSPECT AND REPAIR ANY DAMAGES AND/OR BARE SPOTS. AN ESTABLISHED VEGETATIVE COVER MEANS A MINIMUM OF 85 TO 90% OF AREAS VEGETATED WITH VIGOROUS GROWTH.

- STABILIZATION SCHEDULE BEFORE WINTER:**
- | DATE         | ACTIONS  |
|--------------|--|
| SEPTEMBER 15 | ALL DISTURBED AREAS MUST BE SEED AND MULCHED. ALL SLOPES MUST BE STABILIZED, SEED AND MULCHED. ALL GRASS LINED DITCHES AND CHANNELS MUST BE STABILIZED WITH MULCH OR AN EROSION CONTROL MIX.       |
| OCTOBER 1    | IF THE SLOPE IS STABILIZED WITH AN EROSION CONTROL BLANKET AND SEED, ALL DISTURBED AREAS TO BE PROTECTED WITH AN ANNUAL GRASS SEED AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET AND MULCHED. |
| NOVEMBER 15  | ALL STONE LINED DITCHES AND CHANNELS MUST BE CONSTRUCTED AND STABILIZED. SLOPES THAT ARE COVERED WITH RIPRAP MUST BE CONSTRUCTED BY THIS DATE.   |
- DURING WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT.**
- AREAS WITHIN 75 FEET OF STREAMS, WETLANDS, AND OTHER PROTECTED NATURAL RESOURCES THAT ARE NOT STABILIZED WITH VEGETATION BY DEC. 1 SHALL BE MULCHED AND ANCHORED WITH NETTING. IF WORK CONTINUES IN THIS AREA DURING THE WINTER, A DOUBLE LINE OF SEDIMENT BARRIERS MUST BE USED.**
- HOUSEKEEPING**
1. SPILL PREVENTION: CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM BEING DISCHARGED FROM MATERIALS ON SITE, INCLUDING STORAGE PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORMWATER, AND APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLANNING AND IMPLEMENTATION.
  2. GROUNDWATER PROTECTION: DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER MAY NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO AN INFILTRATION AREA. AN "INFILTRATION AREA" IS ANY AREA OF THE SITE THAT BY DESIGN OR AS A RESULT OF CONSTRUCTION, AND OTHER RELEVANT FACTORS ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL, DIKES, BERMS, Sumps, AND OTHER FORMS OF SECONDARY CONTAMINATION THAT PREVENT DISCHARGE TO GROUNDWATER. INFILTRATION AREAS SHALL BE ISOLATED PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF THESE MATERIALS.
  3. FUGITIVE SEDIMENT AND DUST: ACTIONS MUST BE TAKEN TO ENSURE THAT ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FUGITIVE DUST EMISSIONS DURING OR AFTER CONSTRUCTION. OIL MY NOT BE USED FOR DUST CONTROL. ANY OPTIC TRACKING OF MUD OR SEDIMENT SHALL BE VACUUMED IMMEDIATELY AND PRIOR TO THE NEXT SIGNIFICANT STORM EVENT.
  4. DEBRIS AND OTHER MATERIALS: LITTER, CONSTRUCTION DEBRIS, AND CHEMICALS EXPOSED TO STORMWATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.
  5. DISCHARGES FROM FIRE FIGHTING ACTIVITY:
    - FIRE HYDRANT FLUSHINGS;
    - VEHICLE WASHWATER IF DETERGENTS ARE NOT USED AND WASHING IS LIMITED TO THE EXTERIOR OF VEHICLES (ENGINE UNDERCARRIAGE AND TRANSMISSION WASHING IS PROHIBITED);
    - DUST CONTROL RUNOFF IN ACCORDANCE WITH PERMIT CONDITIONS AND APPENDIX (C)(3) OF MAINE DEP 06-096 CHAPTER 500;
    - ROUTINE EXTERNAL BUILDING WASHDOWN, NOT INCLUDING SURFACE PAINT REMOVAL, THAT DOES NOT INVOLVE DETERGENTS;
    - PAVEMENT WASHWATER (WHERE SPILLS/LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED, UNLESS ALL SPILLED MATERIAL HAD BEEN REMOVED) IF DETERGENTS ARE NOT USED;
    - UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE;
    - UNCONTAMINATED GROUNDWATER OR SPRING WATER;
    - FOUNDATION OR FOOTER DRAIN-WATER WHERE FLOWS ARE NOT CONTAMINATED;
    - UNCONTAMINATED EXCAVATION DEWATERING (SEE REQUIREMENTS IN APPENDIX (C)5) MAINE DEP 06-096 CHAPTER 500);
    - POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS; AND
    - LANDSCAPE IRRIGATION.
  6. UNAUTHORIZED NON-STORMWATER DISCHARGES: THE DEPARTMENT'S APPROVAL UNDER THIS CHAPTER DOES NOT AUTHORIZE A DISCHARGE THAT IS MIXED WITH A SOURCE OF NON STORMWATER, OTHER THAN THOSE DISCHARGES IN COMPLIANCE WITH APPENDIX (C)6) MAINE DEP 06-096 CHAPTER 500. SPECIFICALLY, THE DEPARTMENT'S APPROVAL DOES NOT AUTHORIZE DISCHARGES OF THE FOLLOWING:
    - WASTEWATER FROM THE WASHOUT OR CLEANOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS OR OTHER CONSTRUCTION MATERIALS;
    - FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE;
    - SOAPS, SOLVENTS, OR DETERGENTS USED IN VEHICLE AND EQUIPMENT WASHING; AND
    - TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE.
  7. ADDITIONAL REQUIREMENTS: ADDITIONAL REQUIREMENTS MAY BE APPLIED ON A SITE-SPECIFIC BASIS.

**REVISION**

NO.	DATE	DESCRIPTION
1	7/21/23	Submitted To Town For Application Review
2	8/12/23	Submitted Sketch Plan For Planning Board Review
3	2/20/24	Revised Per FWD Comments
4	6/12/24	Revised Per FWD Comments
5	8/9/24	Revised Per FWD, Town, & DEP Comments
6	8/21/24	Revised Per Town, & DEP Comments
7	12/16/24	Submitted to Town for Review

**STATE OF MAINE**  
AUSTIN C. LEAVELL  
REGISTERED PROFESSIONAL ENGINEER  
No. 10001  
Berry, Huff, MacDonald, Milfigan Inc.  
Engineers, Surveyors  
3808 Main Street  
Conform, Maine 04088  
Tel: (207) 859-2771  
www.bh2m.com

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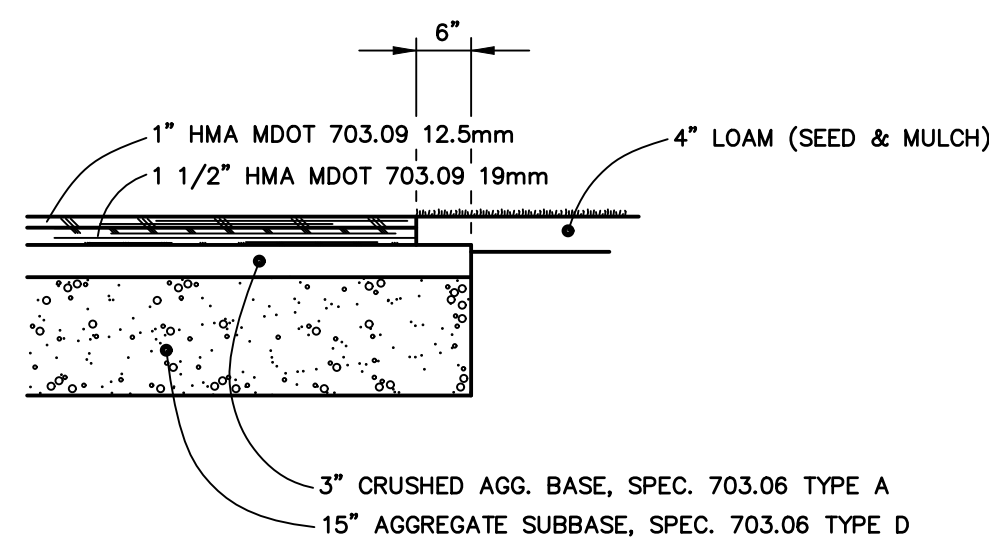
**FOR**  
Owen Baxter  
18 Humewell Road  
Scarborough, Maine 04074

**EROSION CONTROL DETAILS**  
**CONSTRUCTION SERVICES**  
6 CLUMMING ROAD  
SCARBOROUGH, MAINE

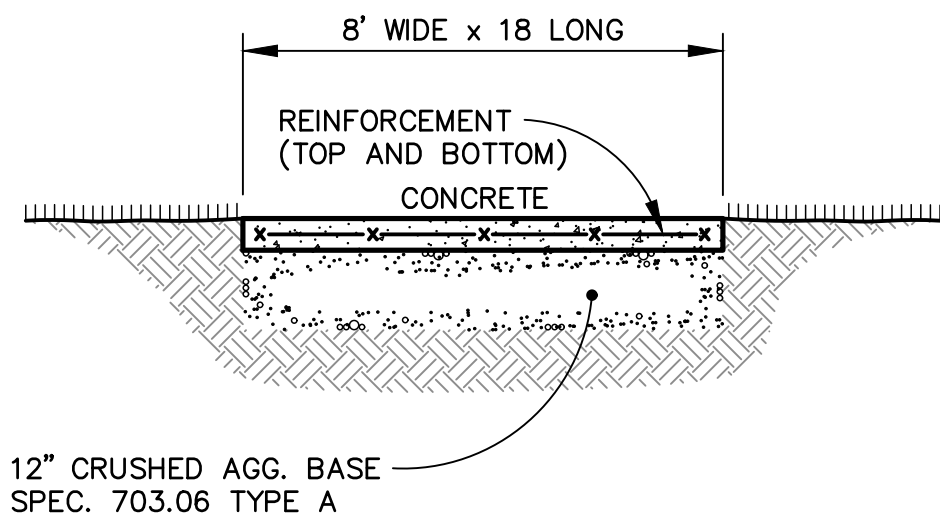
DESIGNED	DATE
A. Fagan	June 2023
DRAWN	SCALE
Dept.	As Shown
CHECKED	JOB. NO.
A. Fagan	23055

**SHEET**  
**5**

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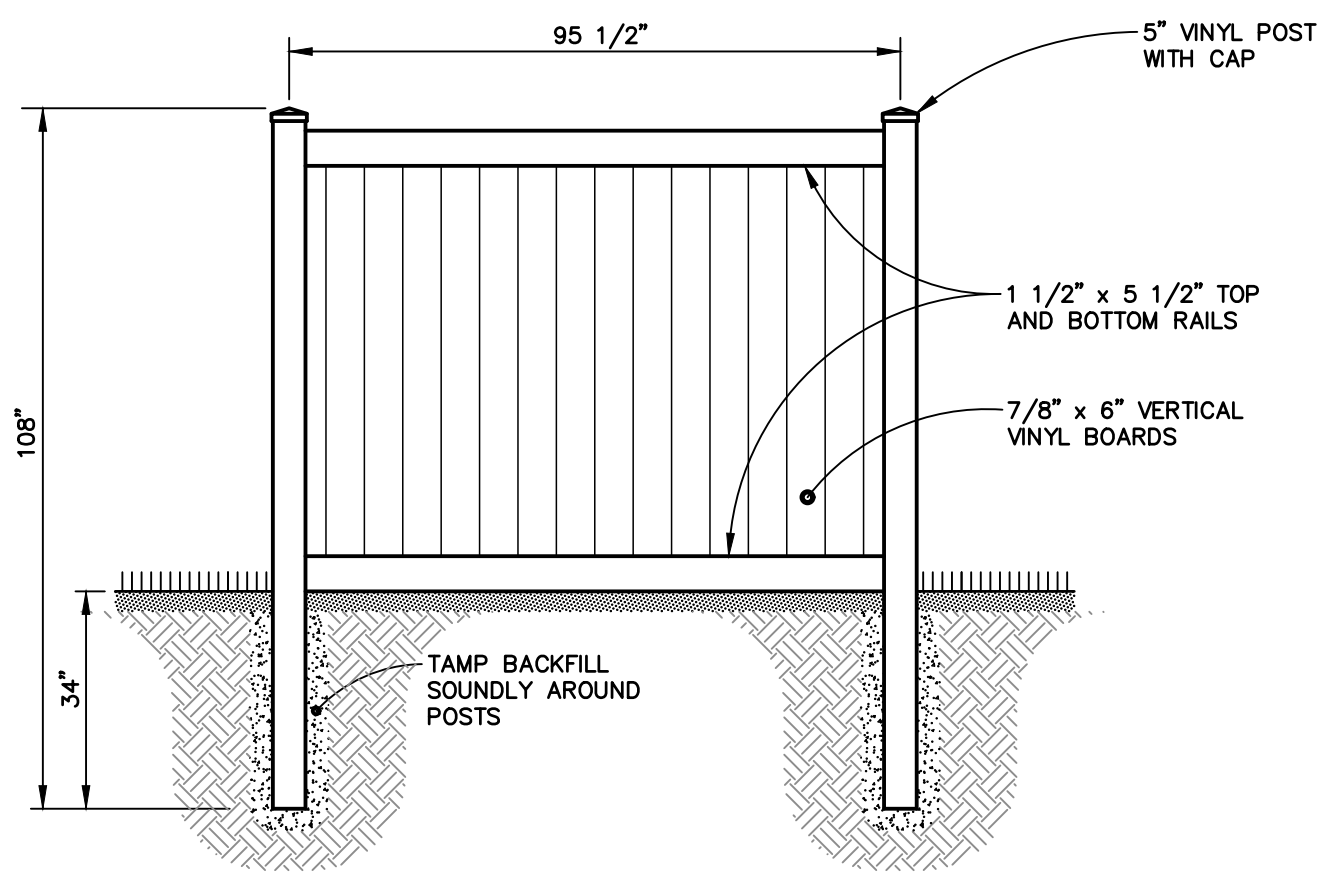


**PARKING PAVEMENT DETAIL**  
NTS



- DUMPSTER PAD**  
NTS
- CONCRETE - 8" THICK  
4,000 PSI @ 28 DAYS, 3/4" MAX. AGGREGATE,  
3-5% AIR ENTRAINMENT, 4" MAX. SLUMP
- REINFORCEMENT - #4 BARS AT 12" O.C. EACH WAY, TOP AND BOTTOM
- FINISH - SCREED AND BULL FLOAT, BROOM FINISH  
PERPENDICULAR TO TRAVEL DIRECTION
- JOINTS - SAWCUT TO 1/3 DEPTH AT 5'-6" O.C.
- SEALING - APPLY POLY SULFIDE LIQUID SEALANT, GRAY  
PER MANUFACTURER'S SPECS.

**DUMPSTER PAD**  
NTS



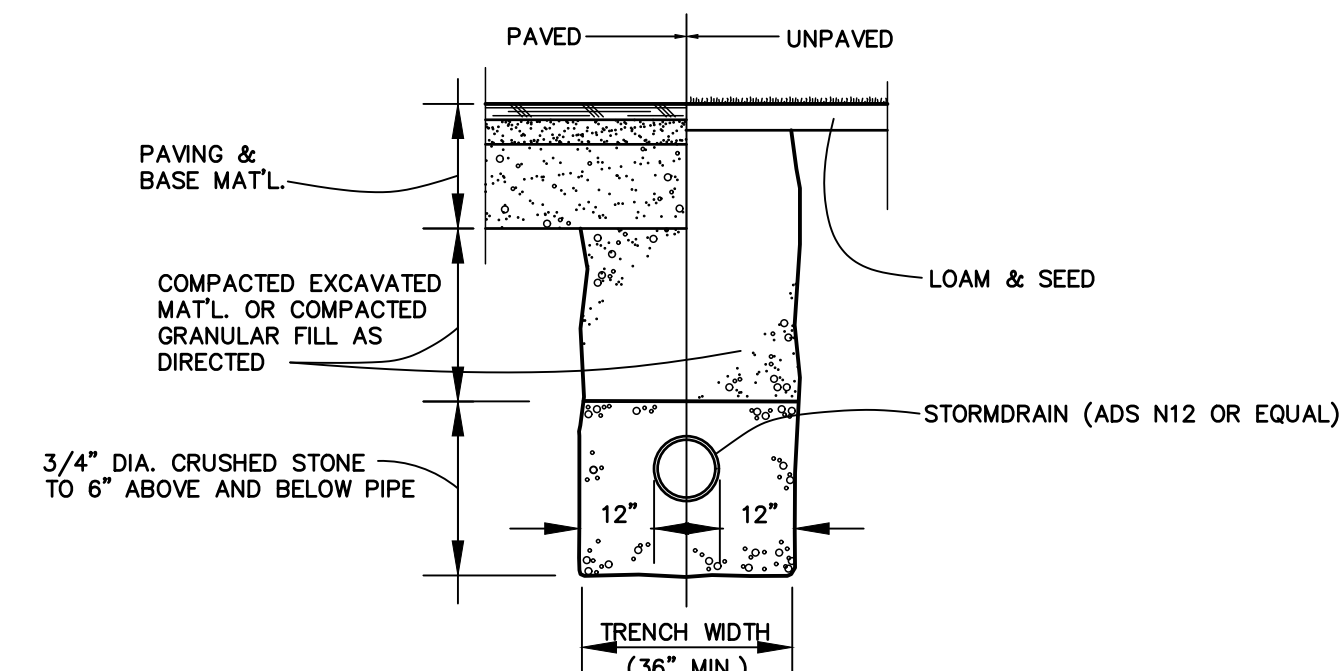
**DUMPSTER ENCLOSURE**  
NTS



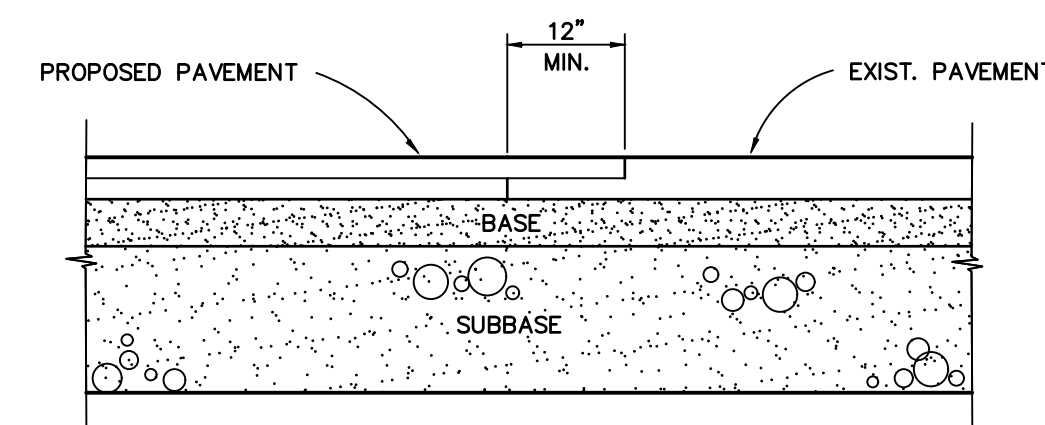
- ADA HANDICAPPED SIGN DETAIL**  
NTS
- 12" x 18" LIGHTWEIGHT ALUMINUM SIGN.
  - SIGN USES 3M ENGINEER GRADE, REFLECTIVE FILM.
  - SIGN SHALL BE PRINTED USING ENAMEL INKS.
  - SIGN SHALL BE PREDRILLED FOR BUILDING, FENCE OR U-CHANNEL POST MOUNTING.

**ADA HANDICAPPED SIGN DETAIL**  
NTS

- NOTES:
- Trench width shown is payment width for rockexcavation & replacement of unsuitable material.
  - Do not mechanically compact directly over flexible pipe (e.g. PVC, Polyethylene).
  - Concrete pipe shall have sand bedding.



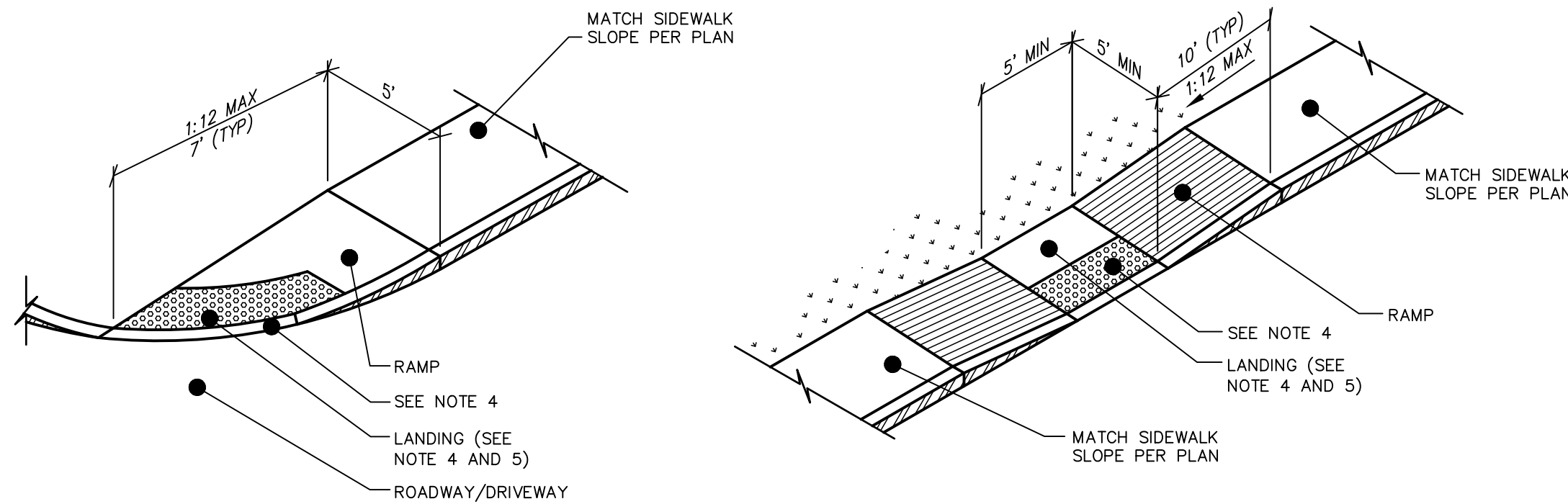
**STORMDRAIN TRENCH DETAIL**  
NTS



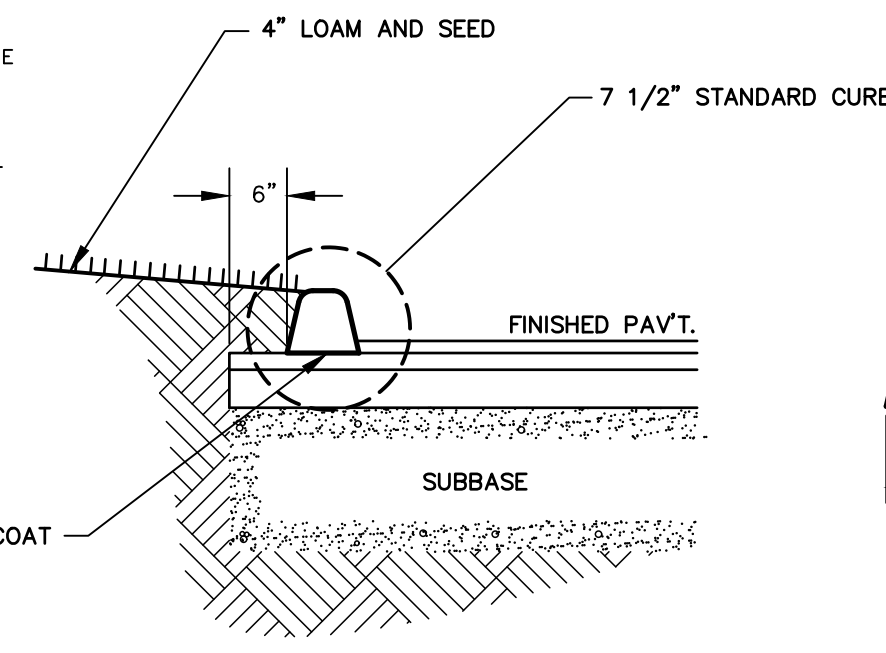
**PAVEMENT JOINT DETAIL**  
N.T.S.

**NOTE:**

- CURB RAMP LENGTHS ARE BASED ON SIX (6) INCH CURB REVEAL HEIGHT AND NO RUNNING SLOPE. RAMP LENGTHS SHALL BE ADJUSTED AS NECESSARY TO ACCOMMODATE VARYING CURB REVEAL HEIGHTS AND TO MATCH RUNNING SLOPES OF ADJACENT ROADWAY AND SIDEWALK SLOPES TO MAINTAIN A RAMP THAT DOES NOT EXCEED THE MAXIMUM RAMP SLOPE OF 1:12.
- DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES AND SHALL HAVE A BASE DIAMETER OF 0.9 INCHES (23 mm) MINIMUM AND 1.4 INCHES (36 mm) MAXIMUM; A TOP DIAMETER OF 50 PERCENT OF THE BASE DIAMETER MINIMUM TO 65 PERCENT OF THE BASE DIAMETER MAXIMUM AND A HEIGHT OF 0.2 INCHES (5.1 mm). A CENTER-TO-CENTER SPACING OF 1.6 INCHES (41mm) MINIMUM AND 2.4 INCHES (61mm) MAXIMUM; AND A BASE-TO-BASE SPACING OF 0.65 INCHES (17mm) MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.
- DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNINGS USED ON INTERIOR SURFACES SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT.
- ALL ACCESSIBLE ROUTE SIDEWALKS INTERSECTING ROADWAYS OR OTHER VEHICULAR CROSSINGS REQUIRE DETECTABLE WARNINGS. DETECTABLE WARNING ZONES SHALL BE INSTALLED SIX (6) INCHES (OR THE HORIZONTAL THICKNESS OF THE ADJACENT CURB) FROM THE FLOW LINE OF THE CURB, EXTEND INTO THE SIDEWALK FOR A 24" DEPTH, AND COVER THE COMPLETE WIDTH OF THE SIDEWALK OR RAMP AREA. DETECTABLE WARNING ZONES SHALL CONFORM TO THE SLOPE REQUIREMENTS OF THE RAMP, LANDING, OR ACCESSIBLE ROUTE AS DEFINED IN THE SPECIFIED DETAIL. DETECTABLE WARNINGS SHALL NOT BE INSTALLED IN FLARED SIDES. IF THE RAMP INCLUDES FLARED SIDES, TRUNCATED DOME PANELS (WET SET, REPLACEABLE), PART #24RADREP AT RADIUS LOCATIONS AND #2460REP AT STRAIGHT LOCATIONS, AS MANUFACTURED BY ADA SOLUTIONS, INC., BILLERICA, MA, SHALL BE INSTALLED. SHOP DRAWINGS FOR TRUNCATED DOME AND CONCRETE SLAB REQUIRED.
- ALL LANDING AREAS SHALL BE 4 FEET WIDE BY 4 FEET LONG (MINIMUM DIMENSIONS). THE SLOPE OF THE LANDING AREA SHALL NOT EXCEED A 1:48 IN ANY DIRECTION.
- ALL ACCESSIBLE ROUTE SLOPES ADJOINING THE LANDING AREA, EXCLUDING THE CURB RAMP, SHALL NOT EXCEED A SLOPE OF 1:20 UNLESS OTHERWISE NOTED.
- THE WET-SET TRUNCATED DOME PANEL SHALL BE INSTALLED IN A 5" THICK, 4,000 PSI, FIBER REINFORCED CONCRETE SLAB. THE SLAB SHALL BE WIDER THAN THE PANEL BY 6".



**HANDICAP RAMP**  
N.T.S.

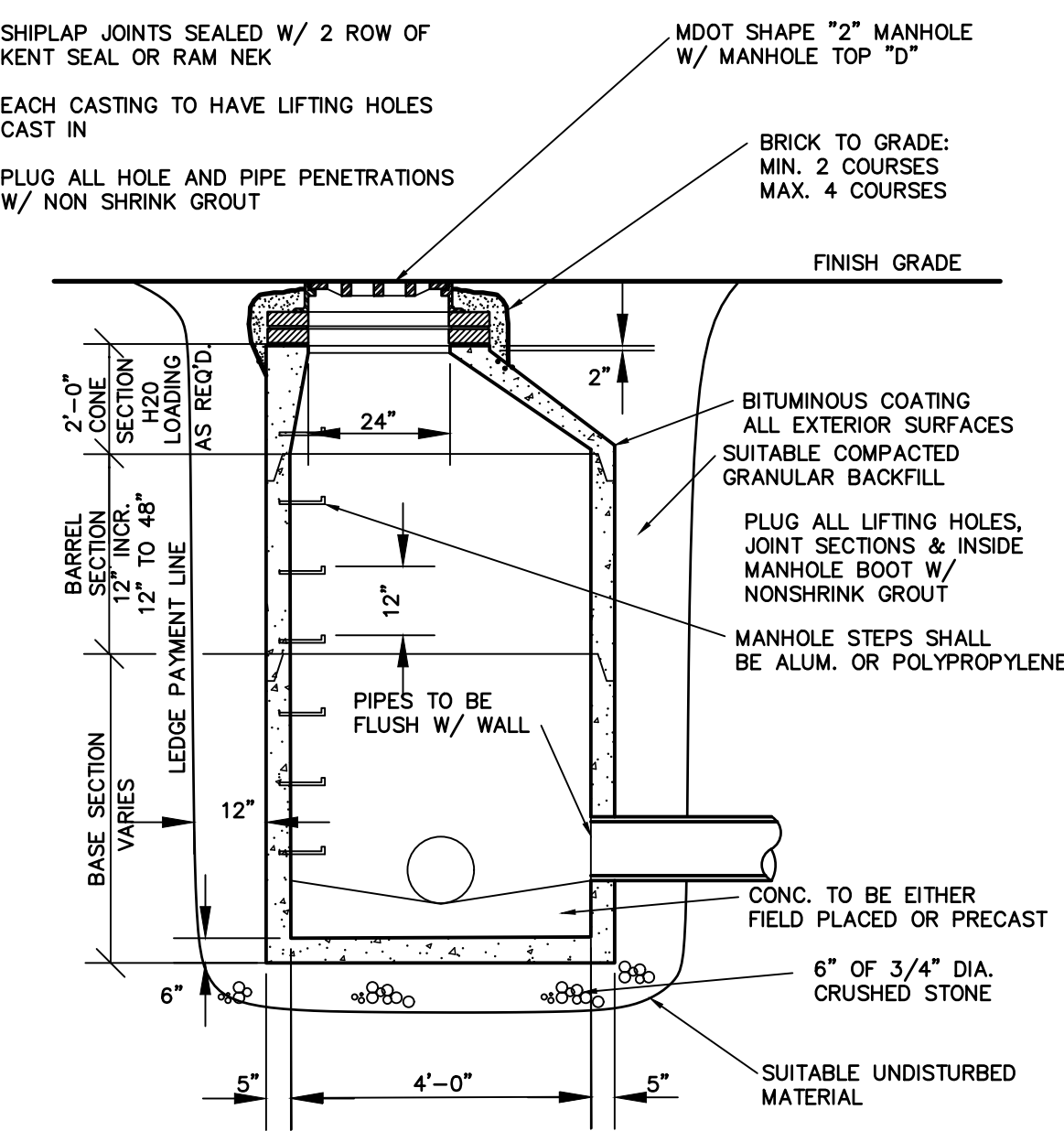


**EXTRUDED CONCRETE CURB**  
NTS

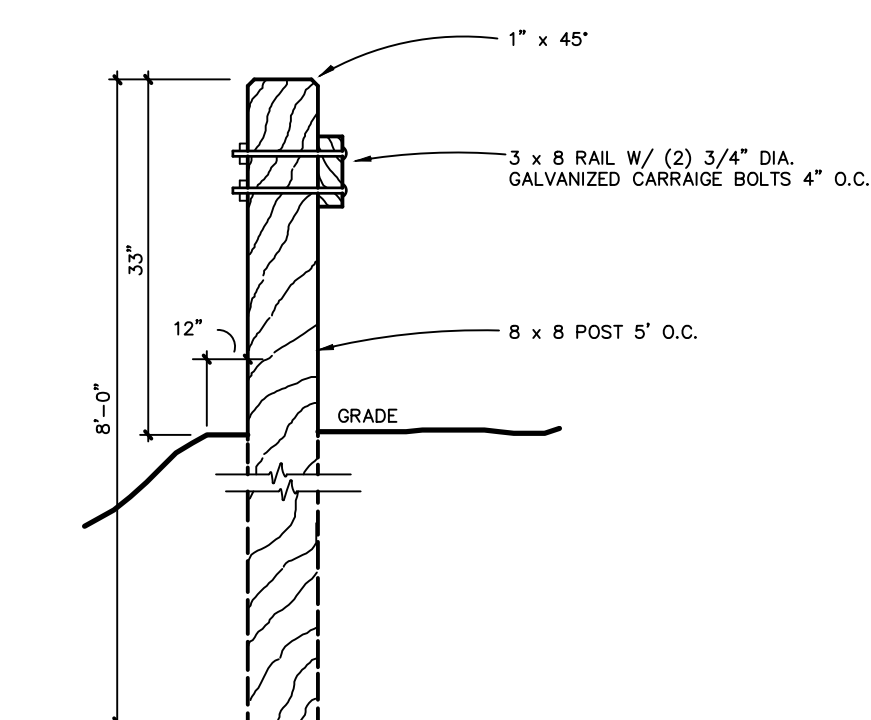
- 1 LB. FIBER MESH SHALL BE ADDED TO EVERY CUBIC YARD OF CONCRETE. THE CONCRETE WILL CONTAIN THE MAXIMUM AMOUNT OF WATER TO BE OF A CONSISTENCY THAT THE CONCRETE WILL MAINTAIN THE SHAPE OF THE CURB SECTION WITHOUT SUPPORT. THIS MIX ALSO MEETS THE READY MIX REQUIREMENTS OF ASTM C94 AND WILL MEET OR EXCEED 4,000 PSI IN 28 DAYS.
- THE PAVEMENT SHALL BE THOROUGHLY CLEANED TO REMOVE DUST, DIRT AND OIL BEFORE APPROVED ADHESIVE IS APPLIED PER MANUFACTURERS SPECIFICATIONS.
- THE FIBER REINFORCED MIX SHALL BE FED INTO THE VIBRATING HOPPER WHERE IT IS COMPACTED INTO THE DESIRED MOLD PROFILE.
- FRESHLY EXTRUDED CURB SHALL BE LIGHTLY TOUCHED UP WITH A STEEL HAND TROWEL. CONTROL JOINTS SHALL BE TOOLED AS SOON AS POSSIBLE AT 9" INTERVALS. ADDITIONAL JOINTS ADDED ON RADIUS AS NECESSARY.
- THE FINISHED CURB WILL BE COATED WITH AN APPROVED CURING COMPOUND.
- FOLLOW MANUFACTURERS INSTALLATION INSTRUCTIONS AND TEMPERATURE RESTRICTIONS.

**EXTRUDED CONCRETE CURB**  
NTS

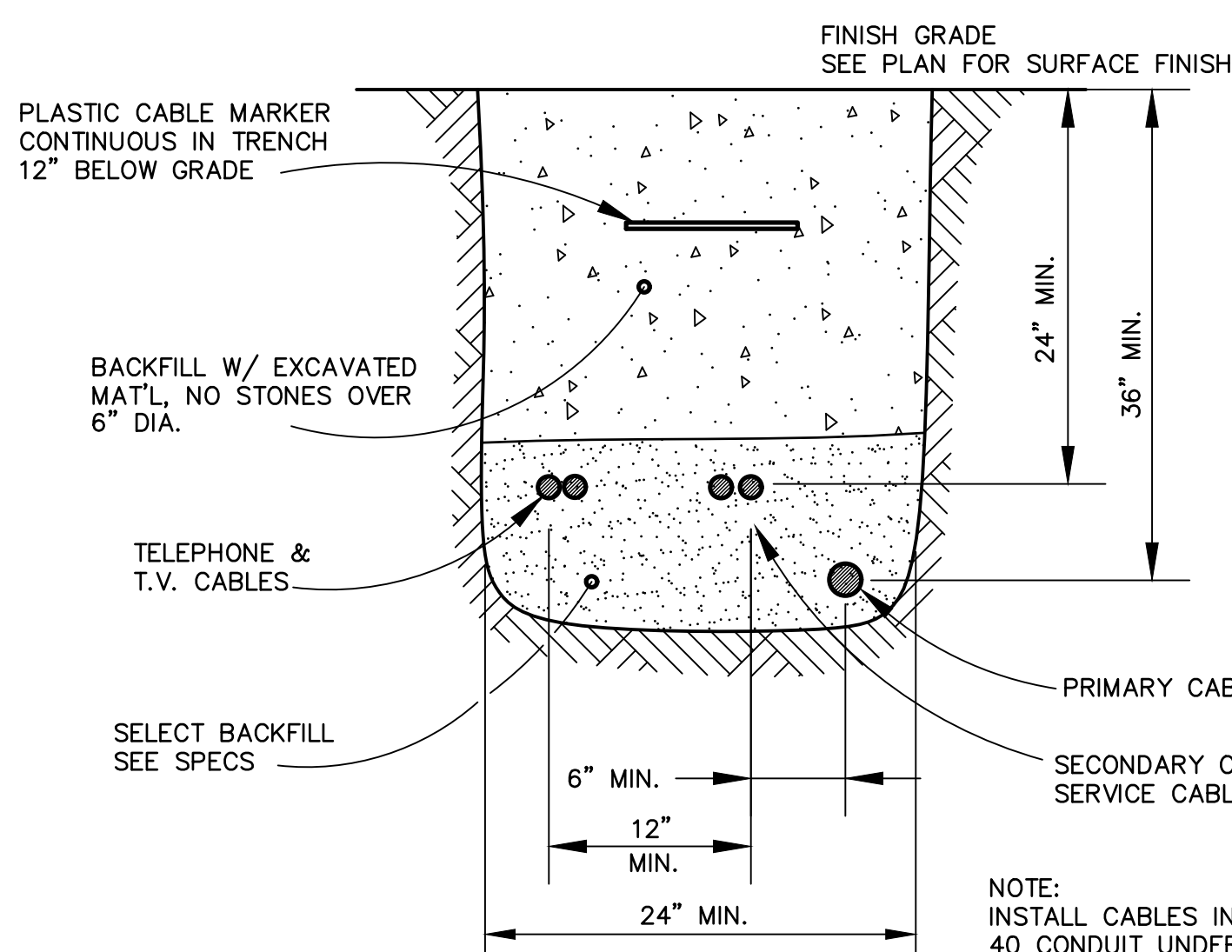
- NOTES:
- CONCRETE: 4000 PSI AFTER 28 DAYS
- REINFORCING: H-20 LOADING
- SHIPLAP JOINTS SEALED W/ 2 ROW OF KENT SEAL OR RAM NEK
- EACH CASTING TO HAVE LIFTING HOLES CAST IN
- PLUG ALL HOLE AND PIPE PENETRATIONS W/ NON SHRINK GROUT



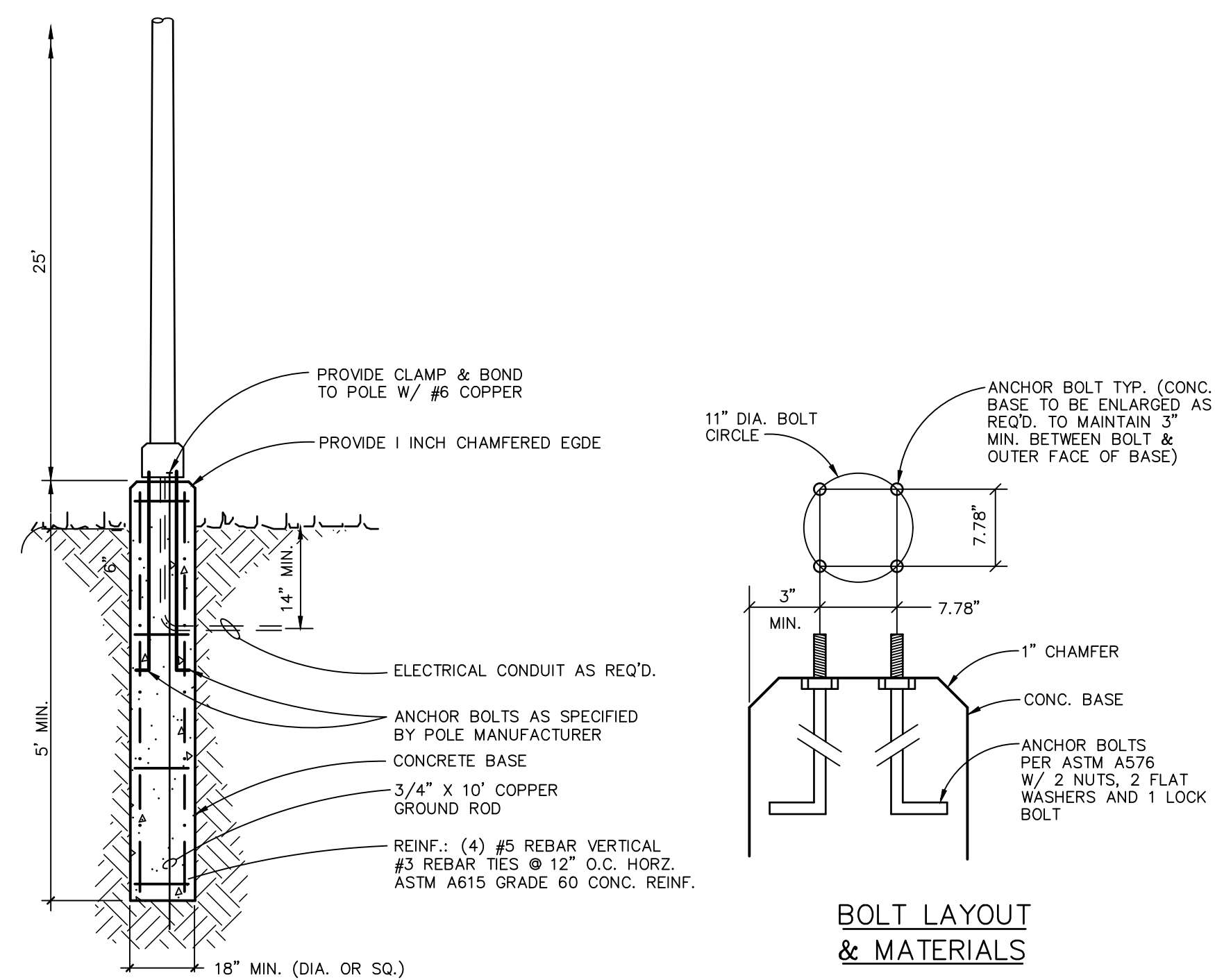
**PRECAST CONCRETE DRAIN MANHOLE**  
N.T.S.



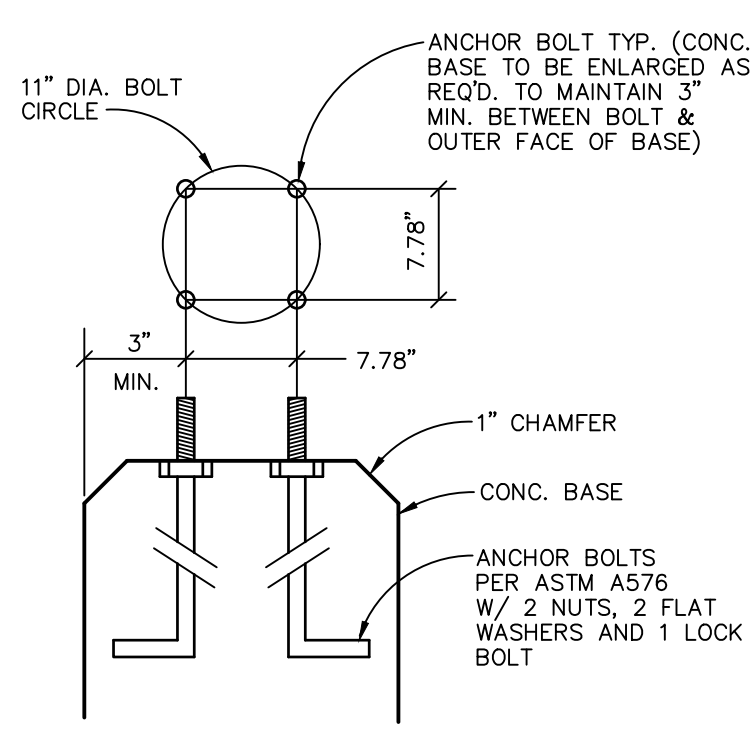
**TYPICAL GUARD RAIL**  
N.T.S.



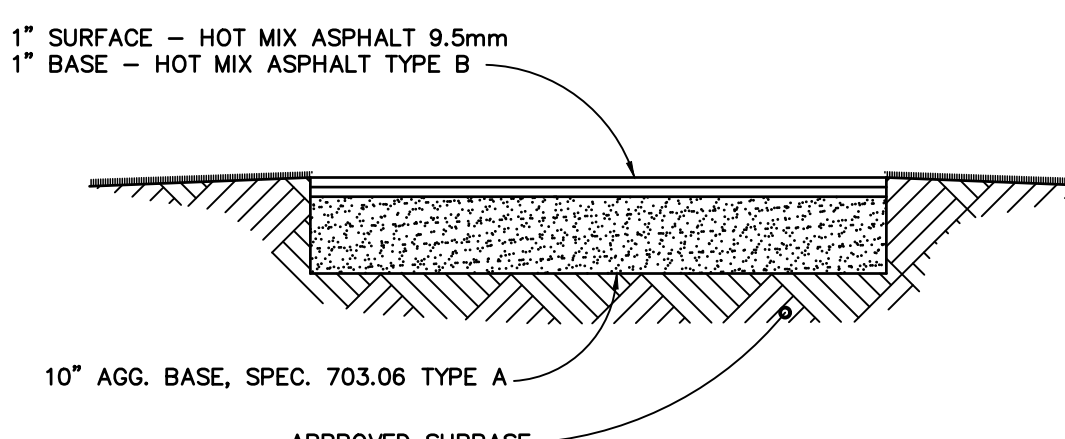
**UNDERGROUND CABLE TRENCH**  
NTS



**LIGHT POLE DETAIL**  
N.T.S.

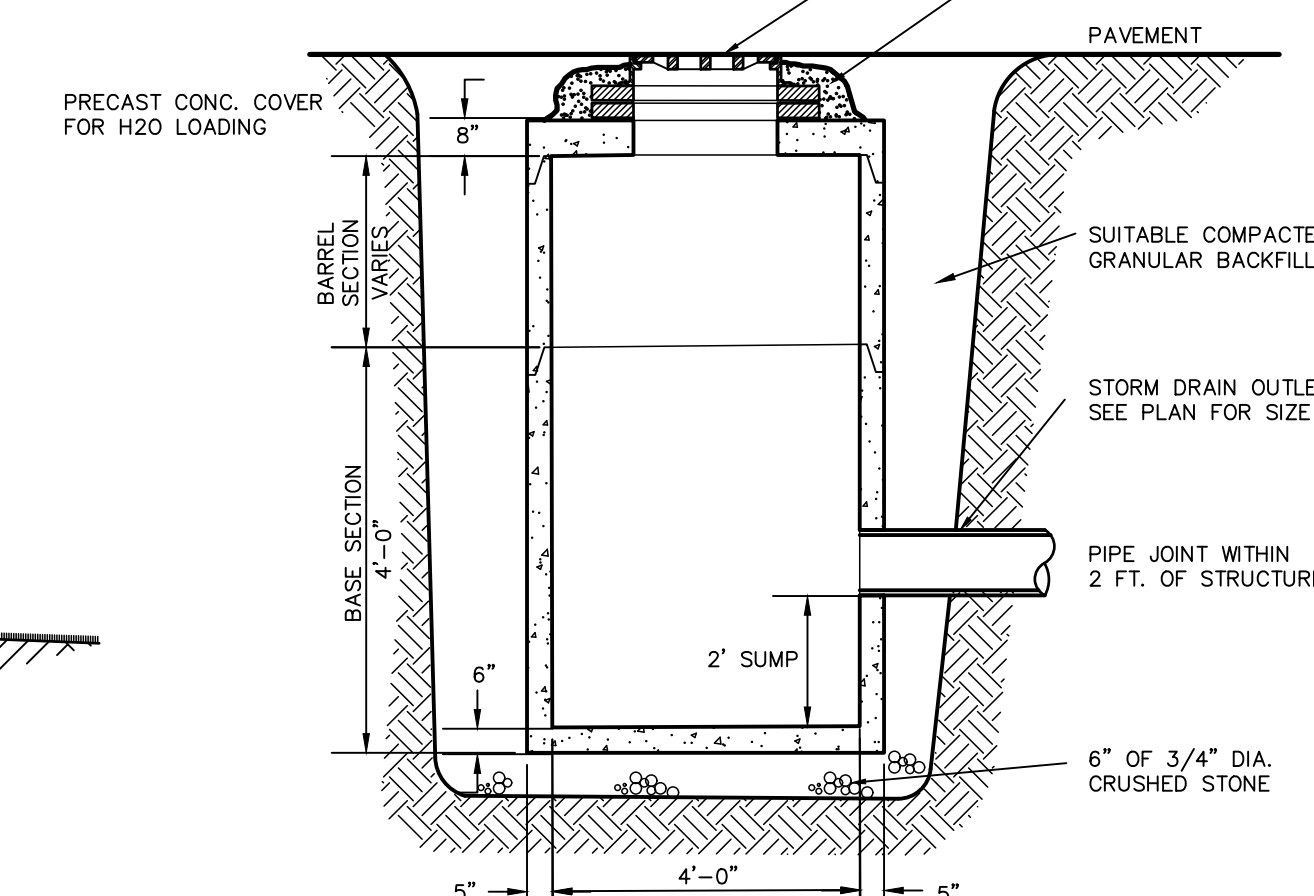


**BOLT LAYOUT & MATERIALS**



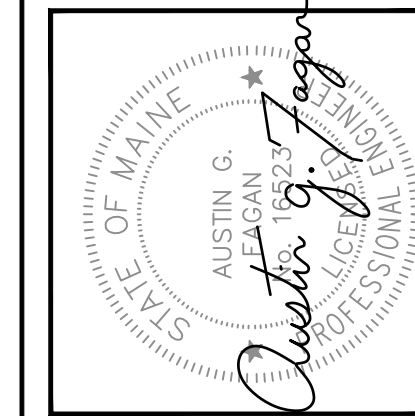
**TYPICAL SIDEWALK SECTION**  
NTS

- Manhole shall conform to ASTM C478.  
Concrete: 4,000 PSI after 28 days.  
Reinforcing: H20 loading.  
Shiplap joints sealed w/ 1 strip of Butyl Rubber Sealant.  
Each casting to have lifting holes cast in.  
Plug all holes & pipe penetrations w/ non-shrink grout.  
Exterior asphalt coated.  
Lock joint flexible pipe sleeves cast in.
- NEEHAN FOUNDRY, STARDARD  
24" CATCH BASIN FRAME &  
GRATE OR APPROVED EQUAL
- BRICK TO GRADE:  
MIN. 2 COURSES  
MAX. 4 COURSES



**PRECAST CONCRETE CATCH BASIN DETAIL**  
N.T.S.

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4	6/12/24	Revised Per PWD Comments
5	8/5/24	Revised Per PWD, Town, & DEP Comments
6	8/21/24	Revised Per Town, & DEP Comments
7	12/16/24	Submitted to Town for Review



**BH2M**

Berry, Huff, McDonald, Miliffigan Inc.  
Engineers, Surveyors

380B Main Street  
Conform, Maine 04038  
Tel: (207) 859-2771  
www.bh2m.com

FOR  
Owen Baxter  
18 Humewell Road  
Scarborough, Maine 04074

**PROJECT DETAILS**

**CONSTRUCTION SERVICES**

6 CUMMINGS ROAD  
SCARBOROUGH, MAINE

DESIGNED	DATE
A. Fagan	June 2023
DRAWN	SCALE
Dept.	As Noted
CHECKED	JOB. NO.
A. Fagan	23055

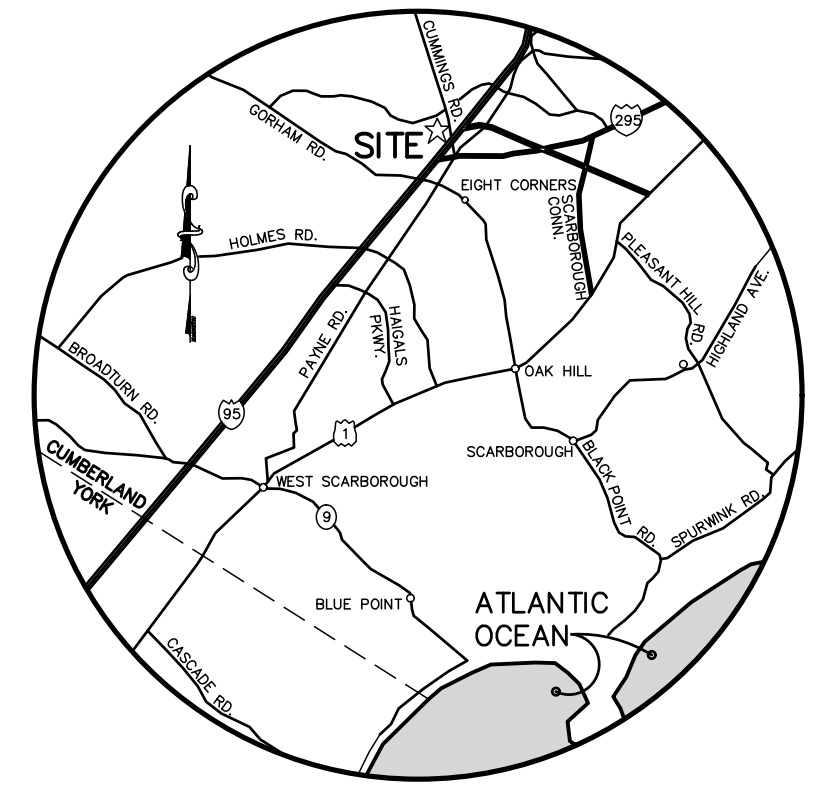
SHEET  
**6**

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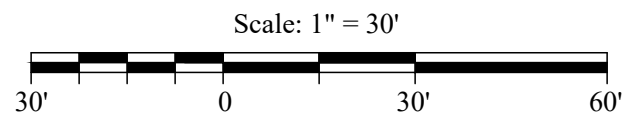
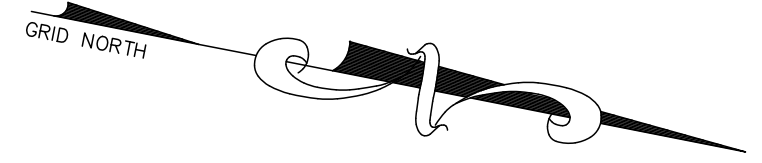
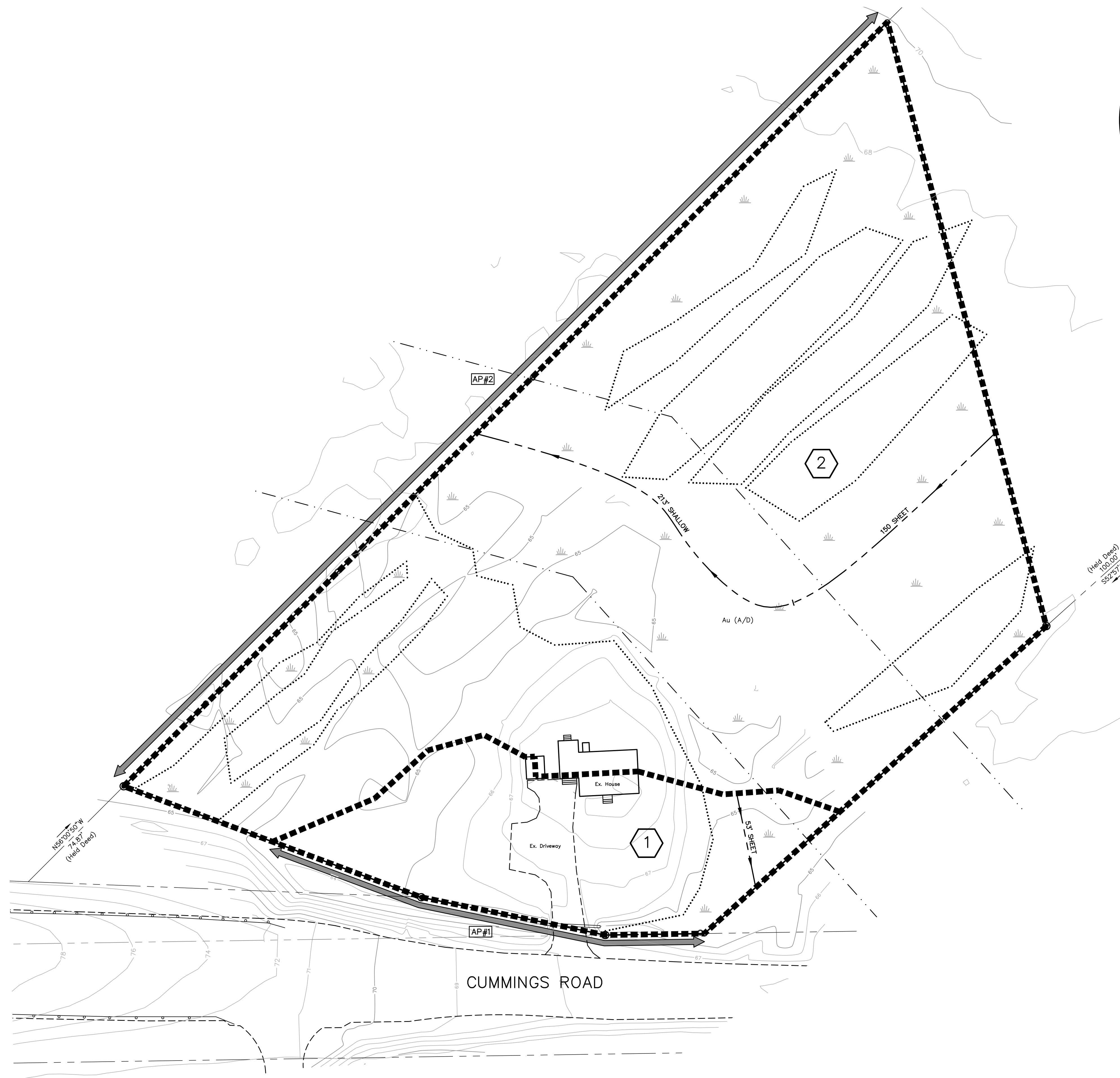
NOTES:

- SOILS MAPPING: CUMBERLAND COUNTY MEDIUM INTENSITY SOILS MAPS
- TEST PITS: MARK HAMPTON ASSOCIATES PORTLAND, MAINE
- SEE STORMWATER MANAGEMENT REPORT FOR ADDITIONAL INFORMATION.

ANALYSIS POINT	PRE-DEVELOPMENT FLOWS		
	2 YR. STORM	10 YR. STORM	25 YR. STORM
AP-1	0.55 CFS	1.04 CFS	1.44 CFS
AP-2	1.41 CFS	2.92 CFS	4.23 CFS



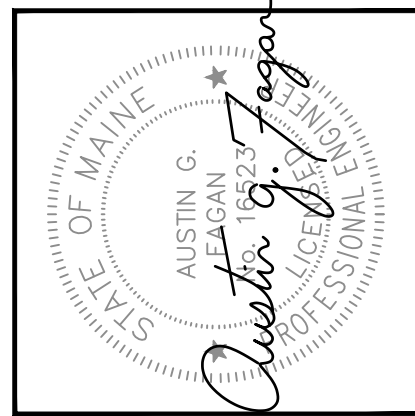
LOCATION MAP  
SCALE: 1" = 2 MILES



SYMBOL	DESCRIPTION
	POND
	DRAINAGE SUB AREA
	REACH DRAINAGE AREA BOUNDARY
	TIME OF CONCENTRATION ROUTE
	LIMIT OF WETLANDS
	EXISTING CONTOUR
	PROPOSED CONTOUR

OFFSITE SOIL LEGEND	
SYMBOL	DESCRIPTION
	SOIL BOUNDARY LINES
	LIMIT OF WETLANDS
SLOPE DESIGNATION	
A	0 - 3%
B	3 - 8%
C	8 - 20%
D	20%+
HYDROLOGIC SOIL GROUP	
SOIL	GROUP
Au	A/D*
* ASSUME C SOIL FOR UPLANDS BASED ON TEST PIT.	
SOIL DESIGNATION	
	SLOPE DESIGNATION
	HYDROLOGIC SOIL GROUP
	HYDROLOGIC SOIL

NO.	DATE	REVISION DESCRIPTION
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FOR  
Owen Baxter  
18 Humewell Road  
Scarborough, Maine 04074

PRE DEVELOPMENT WATERSHED  
OWEN BAXTER  
6 CUMMINGS ROAD  
SCARBOROUGH, MAINE

DESIGNED W. Pelkey	DATE May 2023
DRAWN Dept.	SCALE 1" = 40'
CHECKED A. Fagan	JOB. NO. 23055

SHEET  
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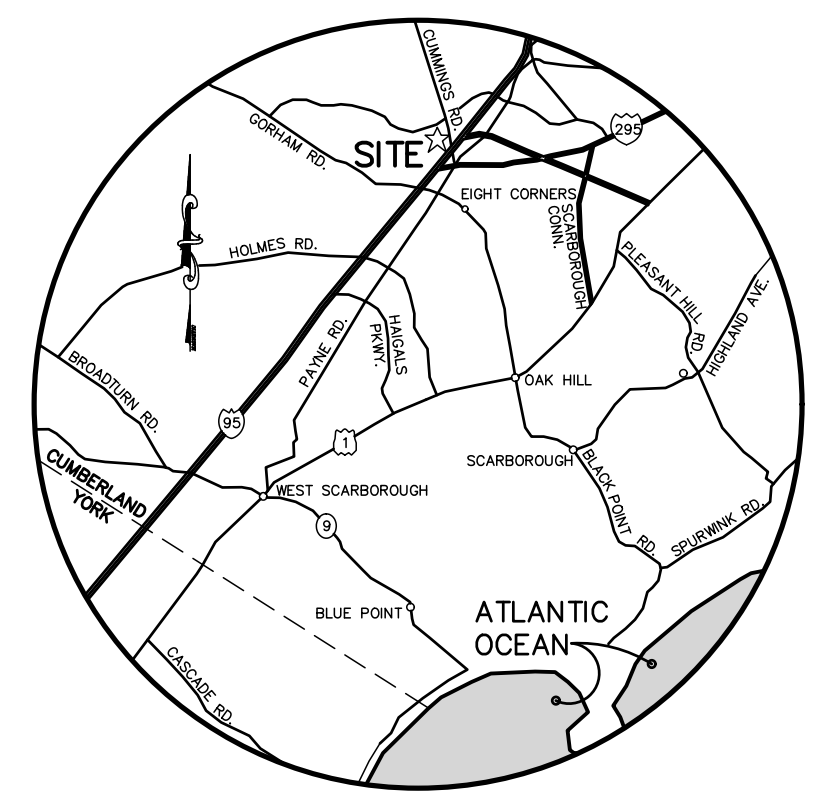
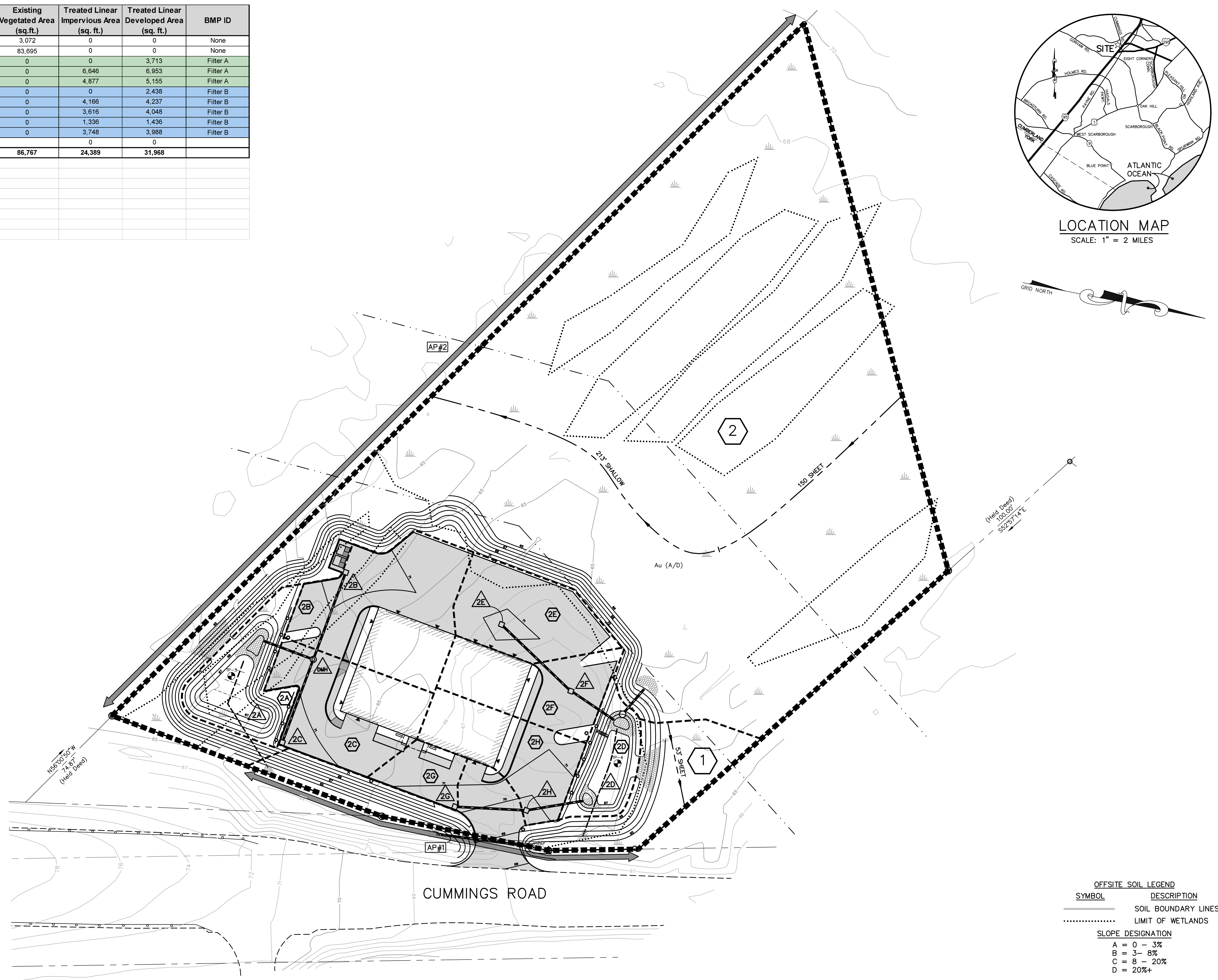
Subcatchment ID	Proposed Impervious Area (sq. ft.)	Proposed Lawn Area (sq. ft.)	Proposed Developed Area (sq. ft.)	Existing Impervious Area (sq. ft.)	Existing Vegetated Area (sq. ft.)	Treated Linear Impervious Area (sq. ft.)	Treated Linear Developed Area (sq. ft.)	BMP ID
1	1,458	4,180	5,638	0	3,072	0	0	None
2	0	4,287	4,287	0	83,695	0	0	None
2A	0	3,713	3,713	0	0	0	3,713	Filter A
2B	6,646	307	6,953	0	0	6,646	6,953	Filter A
2C	4,877	278	5,155	0	0	4,877	5,155	Filter A
2D	0	2,438	2,438	0	0	0	2,438	Filter B
2E	4,166	71	4,237	0	0	4,166	4,237	Filter B
2F	3,616	432	4,048	0	0	3,616	4,048	Filter B
2G	1,336	100	1,436	0	0	1,336	1,436	Filter B
2H	3,748	240	3,988	0	0	3,748	3,988	Filter B
<b>Total</b>	<b>25,847</b>	<b>16,046</b>	<b>41,893</b>	<b>0</b>	<b>86,767</b>	<b>24,389</b>	<b>31,968</b>	

Treatment Summary	
Proposed Linear Impervious Area (sq. ft.)=	25,847
Proposed Linear Developed Area (sq. ft.)=	41,893
Treated Linear Impervious Area (sq. ft.)=	24,389
Treated Linear Developed Area (sq. ft.)=	36,157
Impervious Area Treatment % =	94.36%
Developed Area Treatment % =	86.31%

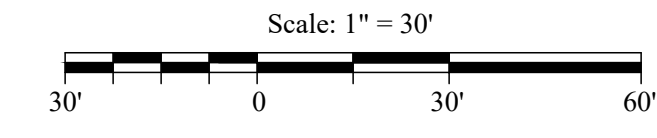
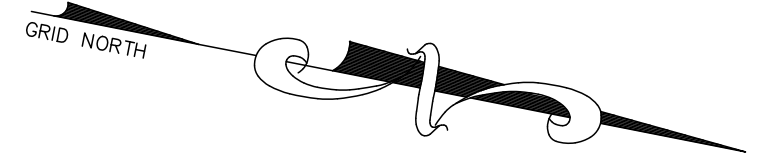
- NOTES:
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  - TEST PITS: MARK HAMPTON ASSOCIATES PORTLAND, MAINE
  - SEE STORMWATER MANAGEMENT REPORT FOR ADDITIONAL INFORMATION.

ANALYSIS POINT	POST DEVELOPMENT FLOWS FLOW RATE = POST (PRE)		
	2 YR. STORM	10 YR. STORM	25 YR. STORM
AP-1	0.27 (0.55) CFS	0.65 (1.04) CFS	0.96 (1.44) CFS
AP-2	1.26 (1.41) CFS	2.80 (2.92) CFS	3.99 (4.23) CFS

Tc SUMMARY (FOR THOSE NOT LABELED ON THE PLAN)	
SUBCATCHMENT	Tc ROUTE
SA-2A	6 MIN. DIRECT ENTRY
SA-2B	6 MIN. DIRECT ENTRY
SA-2C	6 MIN. DIRECT ENTRY
SA-2D	6 MIN. DIRECT ENTRY
SA-2E	6 MIN. DIRECT ENTRY
SA-2F	6 MIN. DIRECT ENTRY
SA-2G	6 MIN. DIRECT ENTRY
SA-2H	6 MIN. DIRECT ENTRY



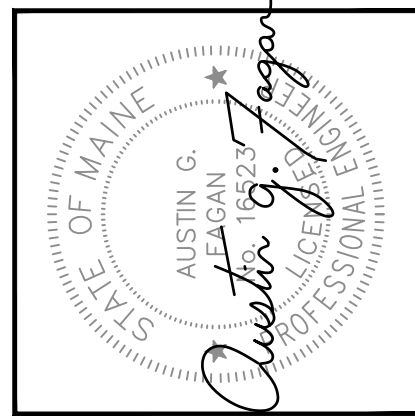
LOCATION MAP  
SCALE: 1" = 2 MILES



SYMBOL	DESCRIPTION
	POND
	DRAINAGE SUB AREA
	REACH
	DRAINAGE AREA BOUNDARY
	TIME OF CONCENTRATION ROUTE
	LIMIT OF WETLANDS
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OFFSITE SOIL LEGEND	
SYMBOL	DESCRIPTION
	SOIL BOUNDARY LINES
	LIMIT OF WETLANDS
SLOPE DESIGNATION	
A = 0 - 3%	
B = 3 - 8%	
C = 8 - 20%	
D = 20%+	
HYDROLOGIC SOIL GROUP	
SOIL	GROUP
Au	A/D*
* ASSUME C SOIL FOR UPLANDS BASED ON TEST PIT.	
SOIL DESIGNATION	
	SLOPE DESIGNATION
	HYDROLOGIC SOIL GROUP
	HYDROLOGIC SOIL

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