

SITE DEVELOPMENT PLANS FOR HERRING BROOK SOLAR PROJECT

LOCATED AT
0 HOBOMOCK STREET
PEMBROKE, MASSACHUSETTS
DATE: MAY 31, 2019
REVISED: AUGUST 12, 2019

INDEX OF PLANS		
SHEET NO.	TITLE	SCALE
1	COVER SHEET	1" = 200'
2	OVERALL EXISTING CONDITIONS PLAN	1" = 120'
3	OVERALL SITE DEVELOPMENT PLAN	1" = 100'
4	SITE DEVELOPMENT PLAN	1" = 40'
5	SITE DEVELOPMENT PLAN	1" = 40'
6	DETAILS PLAN	N.T.S.

OWNER:
GEORGE R. GOULD JR
P.O. BOX 686
BRYANTVILLE, MA 02327

APPLICANT:
CENTRICA BUSINESS SOLUTIONS
7484 CANDLEWOOD ROAD, SUITE T-W
HANOVER, MD 21076

ENGINEER:
Atlantic[®]
DESIGN ENGINEERS, INC.
P.O. Box 1051, Sandwich, MA 02563
PHONE NUMBER: (508) 888-9282

THIS SITE PLAN APPROVAL DOES NOT
NECESSARILY INDICATE COMPLIANCE
WITH THE PEMBROKE ZONING BY-LAW

DATE _____

PEMBROKE PLANNING BOARD

SUMMARY OF REQUESTED WAIVERS

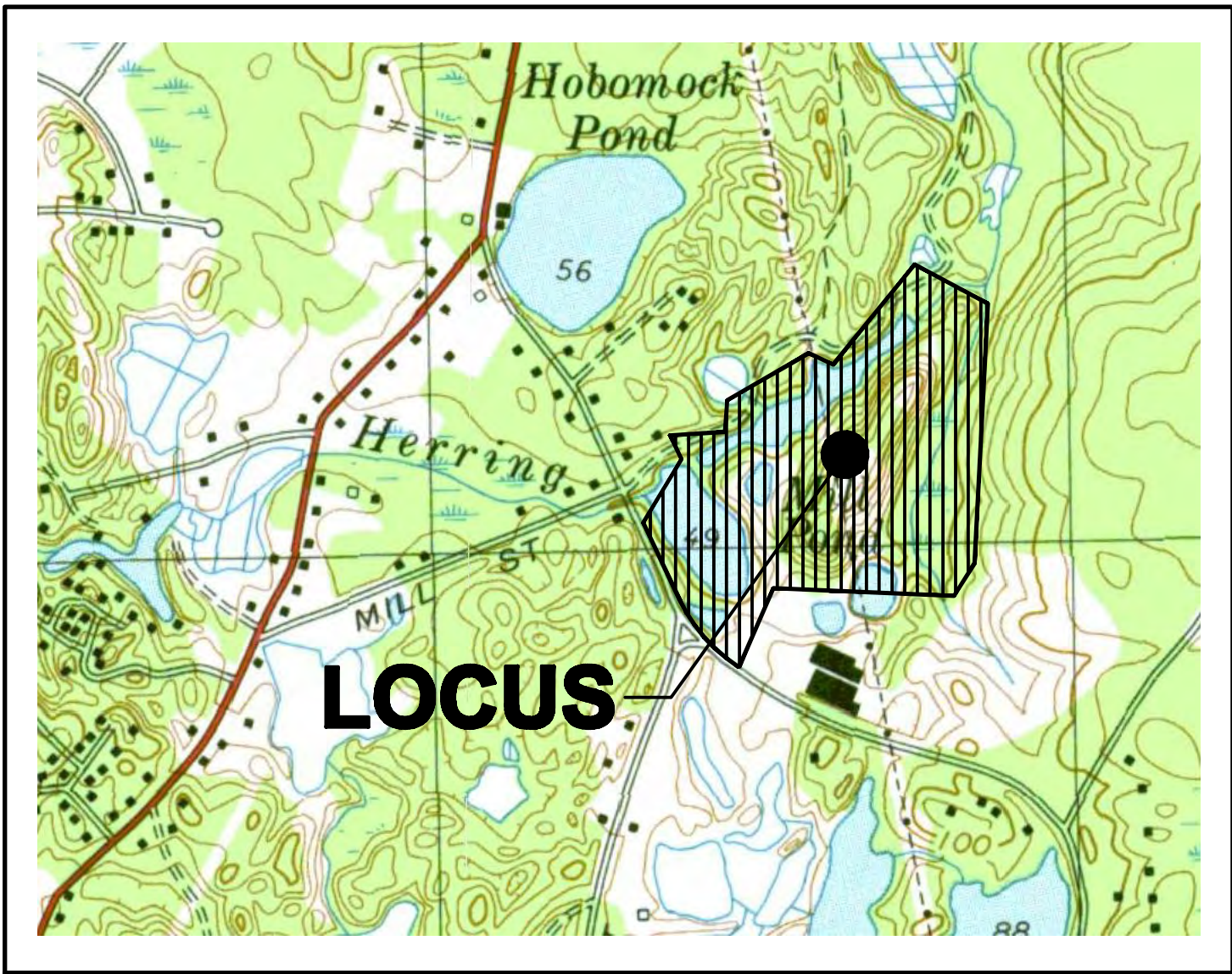
- SECTION IV -- SITE PLAN CONTENT
- 4.7 LANDSCAPE PLAN
 - 4.10 BUILDING ELEVATIONS
 - 4.21 PHOTOMETRIC PLAN
 - 4.22 TRAFFIC IMPACT STUDY

I, TOWN CLERK OF THE TOWN OF PEMBROKE, MA HEREBY CERTIFY
THAT THE NOTICE OF APPROVAL OF THIS PLAN BY THE PLANNING
BOARD HAS BEEN RECEIVED AND RECORDED AT THIS OFFICE AND
NO APPEAL WAS RECEIVED DURING THE NEXT TWENTY DAYS AFTER
RECEIPT AND RECORDING OF SAID NOTICE.

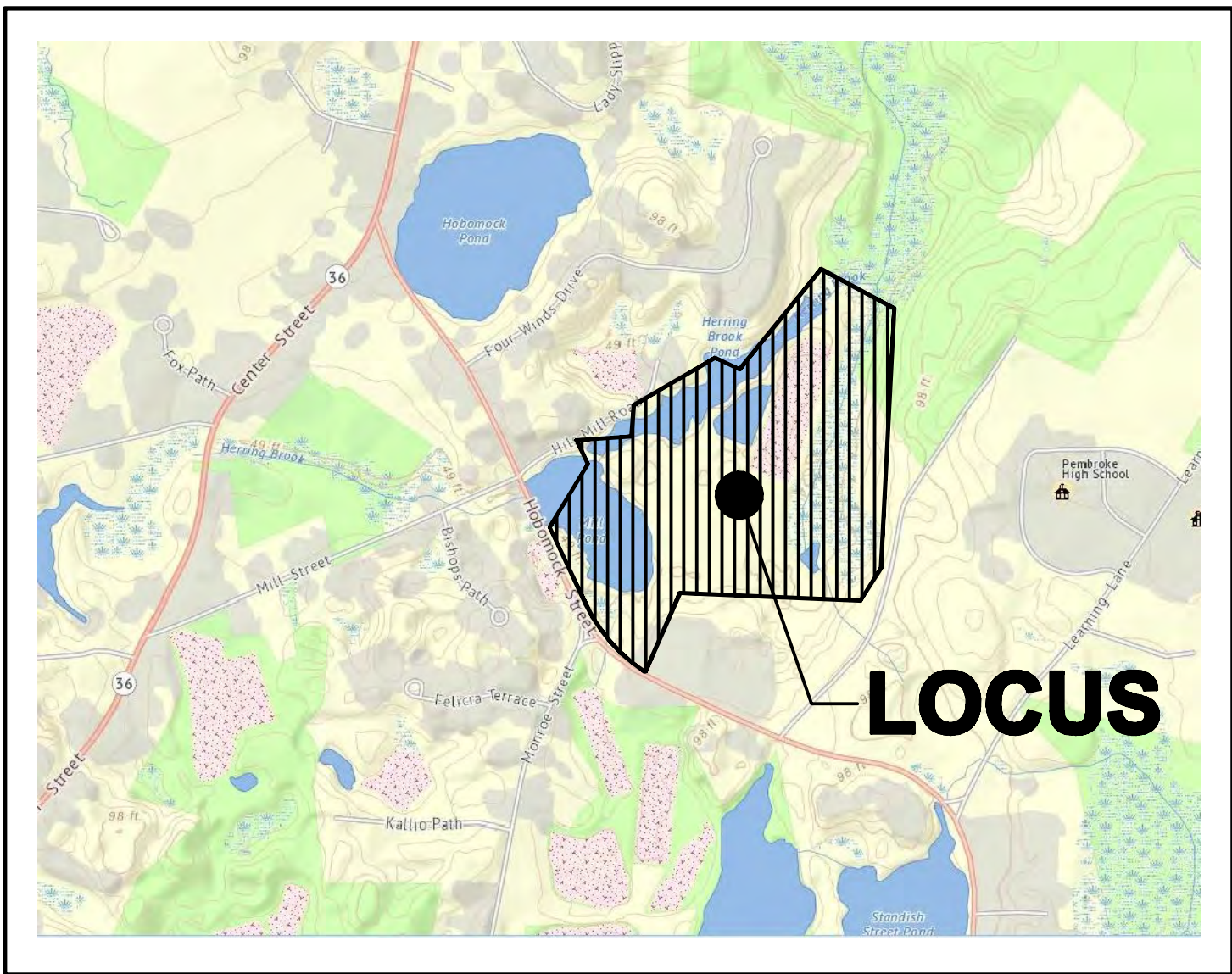
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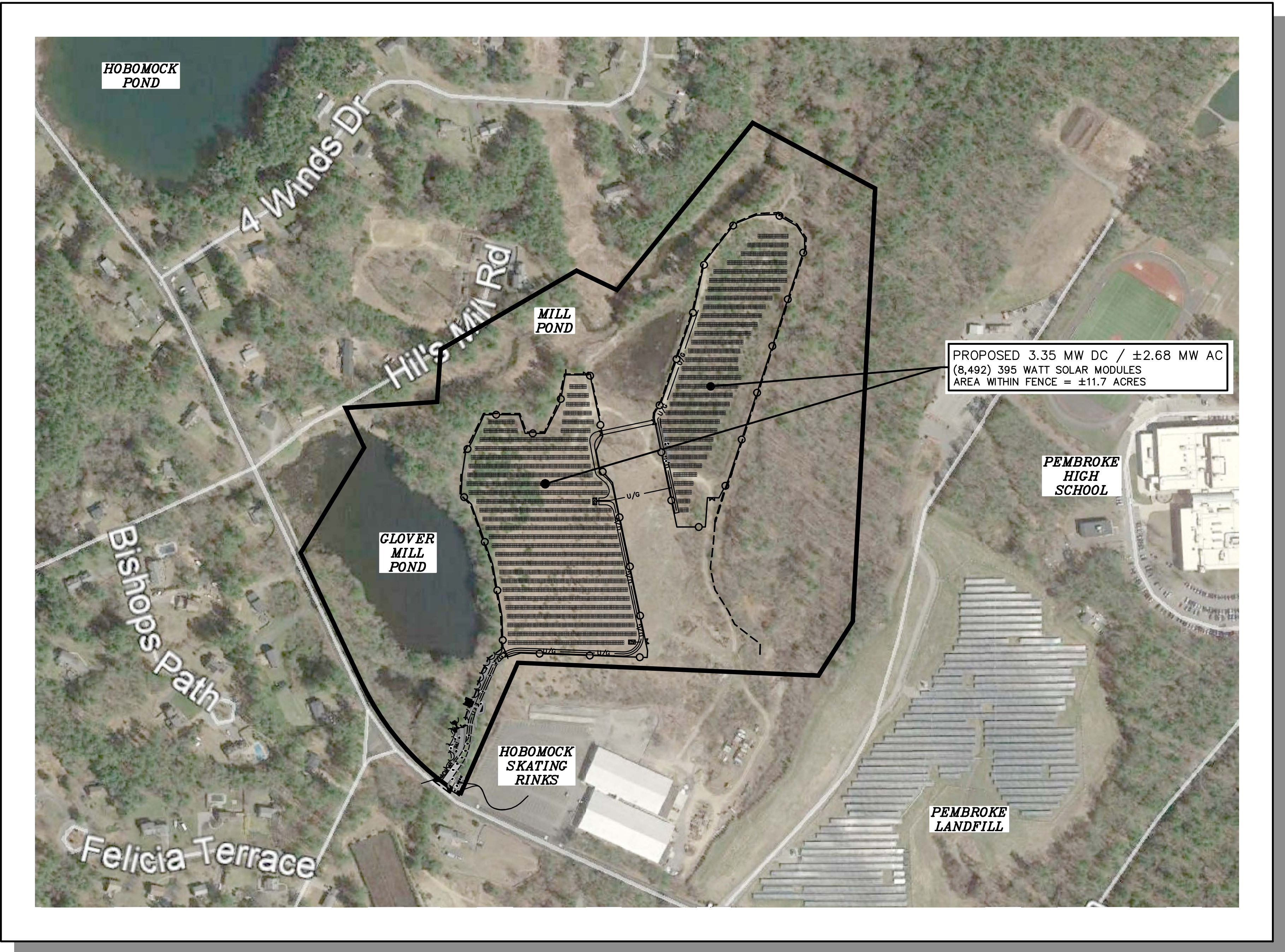
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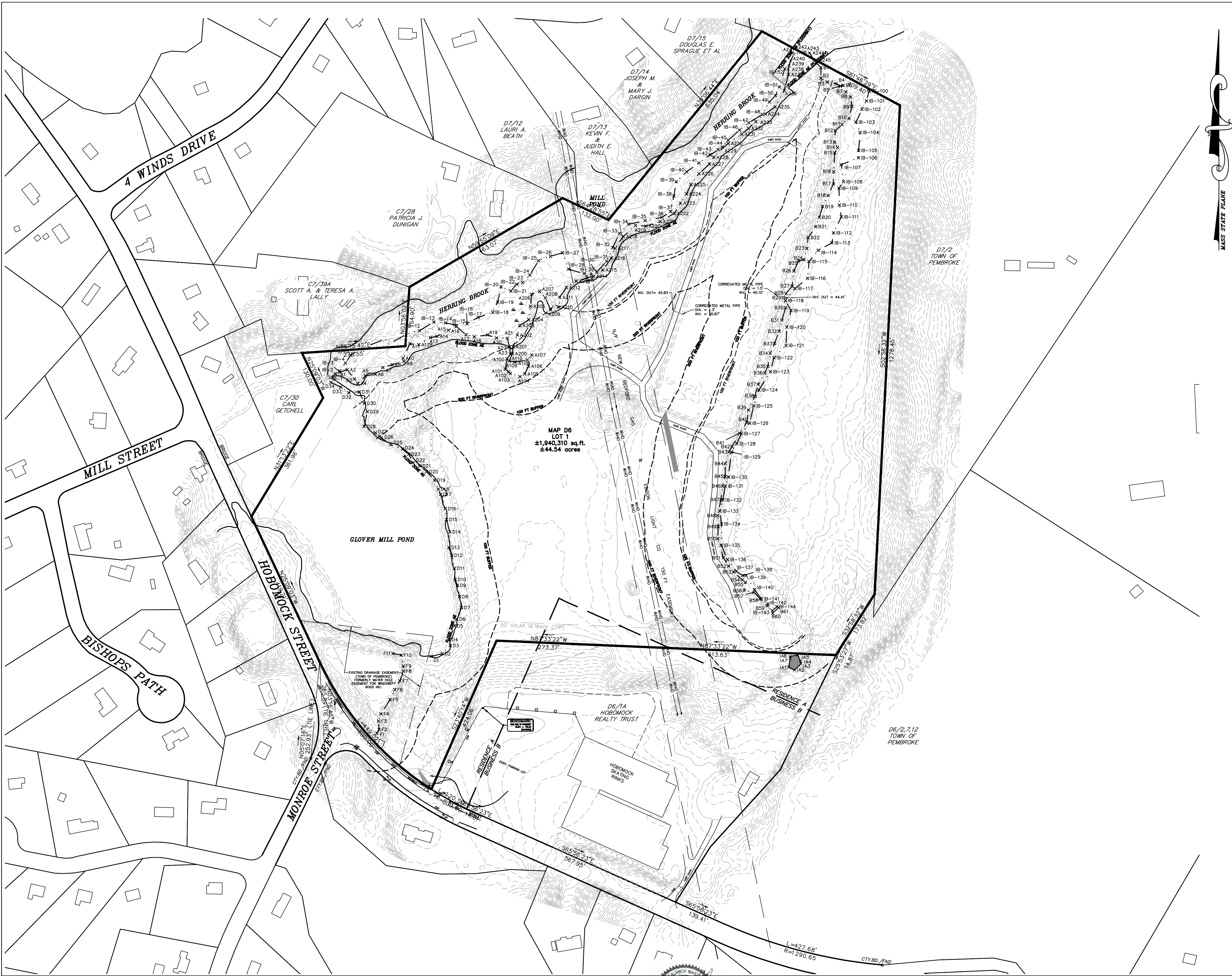
VICINITY MAP
1" = 800'



LOCUS MAP
1" = 800'



OVERALL LOCATION PLAN
SCALE: 1" = 200'



GENERAL NOTES:

1. OWNER OF RECORD: GEORGE R. GOULD JR.
P.O. BOX 686
BRYANTVILLE, MASSACHUSETTS 02327
BOOK 31952 PAGE 77
2. THE SUBJECT PROPERTY IS SHOWN AS LOT 1 ON THE TOWN OF PEMBROKE ASSESSOR MAP D6. LAND AREA IS APPROXIMATELY 44.54± ACRES.
3. THE PROPERTY LIES WITHIN THE RESIDENTIAL A DISTRICT AND THE BUSINESS B DISTRICT BASED UPON A REVIEW OF THE TOWN OF PEMBROKE ZONING MAP.
4. THE PROPERTY LINES SHOWN HEREON, ARE COMPILED FROM PLANS AND DEEDS OF RECORD AND FIXED TO RECORD MONUMENTATION LOCATED DURING FIELD SURVEYS BY ATLANTIC DESIGN ENGINEERS, INC. IN NOVEMBER AND DECEMBER OF 2018 AS DEPICTED HEREON. THE HORIZONTAL DATUM IS THE NORTH AMERICAN DATUM OF 1983 (NAD83) MASSACHUSETTS STATE PLANE, MAINLAND ZONE, AND THE VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) BASED UPON A GPS SURVEY BY ATLANTIC DESIGN ENGINEERS, INC.
5. EXISTING CONDITIONS DEPICTED HEREON ARE BASED UPON THE MASSACHUSETTS GEOGRAPHIC INFORMATION SYSTEM AND PARTIAL FIELD SURVEYS BY ATLANTIC DESIGN ENGINEERS, INC. IN NOVEMBER AND DECEMBER OF 2018.
6. PORTIONS OF THE PROPERTY LIE WITHIN FLOOD ZONE AE BASED UPON A REVIEW OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM), MAP NUMBER 25023C0216J, EFFECTIVE DATE JULY 17, 2012.
7. THE PROPERTY IS NOT LOCATED WITHIN A ZONE II BASED UPON A REVIEW OF THE MASSACHUSETTS GEOGRAPHIC INFORMATION SYSTEM.
8. THE PROPERTY IS NOT LOCATED WITHIN AN ESTIMATED AND HABITAT OF RARE WILDLIFE AND A PRIORITY HABITAT OF RARE SPECIES BASED UPON A REVIEW OF THE NATURAL HERITAGE AND ENDANGERED SPECIES PROGRAM MAPS OBSERVED ON THE MASSACHUSETTS GEOGRAPHIC INFORMATION SYSTEM.
9. THE PROPERTY DOES NOT LIE WITHIN AN AREA OF CRITICAL ENVIRONMENTAL CONCERN (ACEC) BASED UPON A REVIEW OF THE MASSACHUSETTS GEOGRAPHIC INFORMATION SYSTEM.
10. SELECT ONSITE WETLANDS WERE DELINEATED BY ENVIRONMENTAL CONSULTING & RESTORATION, LLC IN NOVEMBER OF 2018 AND REVIEWED BY GODDARD CONSULTING LLC IN FEBRUARY OF 2019. WETLAND FLAGS WERE GPS LOCATED BY ATLANTIC DESIGN ENGINEERS, INC. IN DECEMBER OF 2018.
11. THIS SURVEY IS INTENDED TO SHOW THE LOCATION OF THE SOLAR ARRAY(S) AS THEY RELATE TO THE LOCUS PROPERTY LINE. THE LOCATION OF ANY EXISTING STRUCTURES ON THIS PLAN ARE BASED ON GIS DATUM AND/OR RECORD PLAN INFORMATION AND ARE INTENTIONALLY NOT REFERENCED TO THIS PROPERTY LINE.



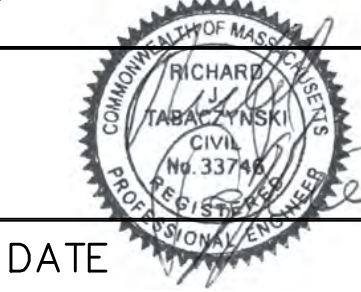
LEGEND	
	EXISTING SETBACK LINE
	EXISTING 1 FOOT CONTOUR LINE
	EXISTING 5 FOOT CONTOUR LINE
	EXISTING FLAGGED WETLANDS
	EXISTING 100' WETLAND BUFFER
	EXISTING 25' NO DISTURB
	EXISTING INLAND BANK
	EXISTING 200' RIVERFRONT BUFFER
	EXISTING FLOOD PLANE
	EXISTING TREE LINE
	EXISTING EDGE OF PAVEMENT
	EXISTING EDGE OF PAVEMENT W/ SLOPED GRANITE CURB
	EXISTING EDGE OF PAVEMENT W/ VERTICAL CONCRETE CURB
	EXISTING OVERHEAD WIRES
	EXISTING WOOD GUARD RAIL
	EXISTING DRAIN MANHOLE
	EXISTING CATCH BASIN
	EXISTING WATER VALVE
	EXISTING GAS VALVE
	EXISTING UTILITY POLE W/NUMBER
	EXISTING LIGHT POLE
	EXISTING GUY WIRE
	EXISTING MAILBOX
	EXISTING SIGNS

DESIGN ENGINEERS, INC.
P.O. Box 1051, Sandwich, MA 02563 (508) 888 - 9282

Designed by :
Drawn by :
Checked by :
Survey chg. by :
Approved by :

SCALE

SCALE 1" = 100'



DATE

1	CMK	8-12-19	REVISED ARRAY FOR 10% RIVERFRONT
NO.	BY	DATE	REVISION

PREPARED FOR:
CENTRICA BUSINESS SOLUTIONS
7484 CANDLEWOOD ROAD, SUITE T-W
HANOVER, MD 21076

OVERALL EXISTING CONDITIONS PLAN
FOR
HERRING BROOK SOLAR PROJECT
0 HOBOMOCK ST., PEMBROKE, MASSACHUSETTS 02539
MAY 31, 2019

FILE: 3086-SITE-R1	Sheet	of
	2	6
	JOB NUMBER	3086.00

ZONING REQUIREMENTS			
TOWN OF PEMBROKE ZONING BYLAWS JANUARY, 2018			
RESIDENTIAL DISTRICT A & BUSINESS DISTRICT B			
	REQUIRED		PROVIDED
	RES-A	BIS-B	
MINIMUM LOT SIZE:	40,000 SF	80,000 SF	±44.54 AC
MINIMUM CONTINUOUS FRONTAGE IN FEET:	150 FEET	200 FEET	868 FEET
MINIMUM PRINCIPAL BUILDING YARDS:			
FRONT YARD	40 FEET	60 FEET	±428 FEET *
SIDE YARD	25 FEET	30 FEET	±53 FEET *
REAR YARD	25 FEET	40 FEET	±240 FEET *
MAXIMUM PERCENTAGE OF LOT COVERED BY BUILDING:	N/A	35%	< 1%
MAXIMUM HEIGHT OF BUILDING (IN FEET):	30 FEET	35 FEET	< 35 FEET
MAXIMUM HEIGHT OF BUILDING (IN STORIES):	2.5	3	< 3

* SEE PROPOSED LARGE SCALE, GROUND MOUNTED SOLAR PHOTOVOLTAIC INSTALLATIONS TABLE FOR SETBACKS AND OTHER REQUIREMENTS.

PROPOSED LARGE SCALE, GROUND MOUNTED SOLAR PHOTOVOLTAIC INSTALLATIONS (SECTION V-12 AMENDED 1-2018)		
	REQUIRED	PROVIDED
MINIMUM YARDS:		
FRONT:	50 FEET	±428 FEET
SIDE:	50 FEET	±53 FEET
REAR:	30 FEET	±240 FEET
MINIMUM BUFFER TO RESIDENTIAL:	100 FEET	±133 FEET (1)
MINIMUM LOT AREA:	3 ACRES (CONTIGUOUS UPLAND)	>3 ACRES
(1) ±106 FEET ABUTTING TOWN OF PEMBROKE LAND AT NORTHERN EDGE		

PROPOSED RIVERFRONT ALTERATION CALCULATIONS	
TOTAL RIVERFRONT ON PROJECT SITE	1,074,755 S.F. (24.67 ACRES)
RIVERFRONT ALTERATION ALLOWED (100'-200')	107,476 S.F. (2.47 ACRES OR 10%)
PROPOSED RIVERFRONT ALTERATION (0'-100')	0 S.F.
PROPOSED RIVERFRONT ALTERATION (100'-200')	2,164 S.F. (0.05 ACRES OR 0.2%)
(INCLUDES 1,810 SF OF GRAVEL ROAD AND 354 S.F. FOR 354 POSTS.)	
NOTES:	
1) FOR THE PURPOSES OF THESE CALCULATIONS, INSTALLATION OF UNDERGROUND ELECTRIC WITHIN THE EXISTING CART PATH, VEGETATION MANAGEMENT AND THE INSTALLATION OF PERIMETER FENCING ARE NOT CONSIDERED AS PART OF RIVERFRONT ALTERATION CALCULATIONS. (ALL PERIMETER FENCING WILL INCLUDE A 6" WILDLIFE GAP AT BOTTOM).	
2) PROPOSED SOLAR ARRAY SUPPORT POSTS ARE W6X9 STEEL BEAMS. ALTERATION CONSIDERS AREA OF POST IMPACT ONLY. FOR THE PURPOSES OF THESE CALCULATIONS, A POST AREA OF 1 S.F. PER POST HAS BEEN APPLIED AS A CONSERVATIVE APPROACH. ACTUAL CROSS SECTIONAL AREA OF W6X9 POST IS 2.68 SQ.IN. WITH AN OUTSIDE FOOTPRINT MEASURING 5.9 IN X 3.94 IN (23.25 SQ.IN. OR 0.16 S.F.)	

PROPOSED SOLAR ARRAY SUPPORT POSTS
LOCATED WITHIN RIVERFRONT AREA (TYP)
354 W6X9 STEEL POSTS TOTAL
(354 S.F. RIVERFRONT ALTERATION)

PROPOSED 3.35 MW DC / ±2.68 MW AC
(8,492) 395 WATT SOLAR MODULES
AREA WITHIN FENCE = ±11.7 ACRES

LEGEND	
	EXISTING SETBACK LINE
	EXISTING 1 FOOT CONTOUR LINE
	EXISTING 5 FOOT CONTOUR LINE
	EXISTING FLAGGED WETLANDS
	EXISTING 100' WETLAND BUFFER
	EXISTING 25' NO DISTURB
	EXISTING INLAND BANK
	EXISTING 200' RIVERFRONT BUFFER
	EXISTING FLOOD PLANE
	EXISTING TREE LINE
	EXISTING EDGE OF PAVEMENT
	EXISTING EDGE OF PAVEMENT W/ SLOPED GRANITE CURB
	EXISTING EDGE OF PAVEMENT W/ VERTICAL CONCRETE CURB
	EXISTING OVERHEAD WIRES
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	EXISTING DRAIN MANHOLE
	EXISTING CATCH BASIN
	EXISTING WATER VALVE
	EXISTING GAS VALVE
	EXISTING UTILITY POLE W/NUMBER
	EXISTING LIGHT POLE
	EXISTING GUY WIRE
	EXISTING MAILBOX
	EXISTING SIGNS
	PROPOSED TREELINE/LIMITS OF CLEARING
	PROPOSED 1 FOOT CONTOUR
	PROPOSED 5 FOOT CONTOUR
	PROPOSED CHAIN LINK FENCE
	PROPOSED EROSION CONTROL BARRIER
	PROPOSED OVERHEAD WIRES
	PROPOSED UNDERGROUND ELECTRIC
	PROPOSED UTILITY POLE
	PROPOSED DRAINAGE LINE
	PROPOSED FLARED END
	PROPOSED HAYBALE CHECK DAMS

PROPOSED GRAVEL ACCESS ROAD
(1,810 S.F. RIVERFRONT ALTERATION)

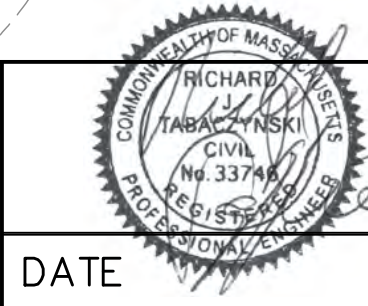
OFF-SITE WETLAND IMPACT AREA
(±860 S.F.)

SEE SHEET 6 FOR
CONSTRUCTION NOTES

Atlantic DESIGN ENGINEERS, INC.
P.O. Box 1051, Sandwich, MA 02563 (508) 888 - 9282

Designed by: _____
Drawn by: _____
Checked by: _____
Survey chg. by: _____
Approved by: _____

SCALE
SCALE 1" = 100'
0 25 50 100 200



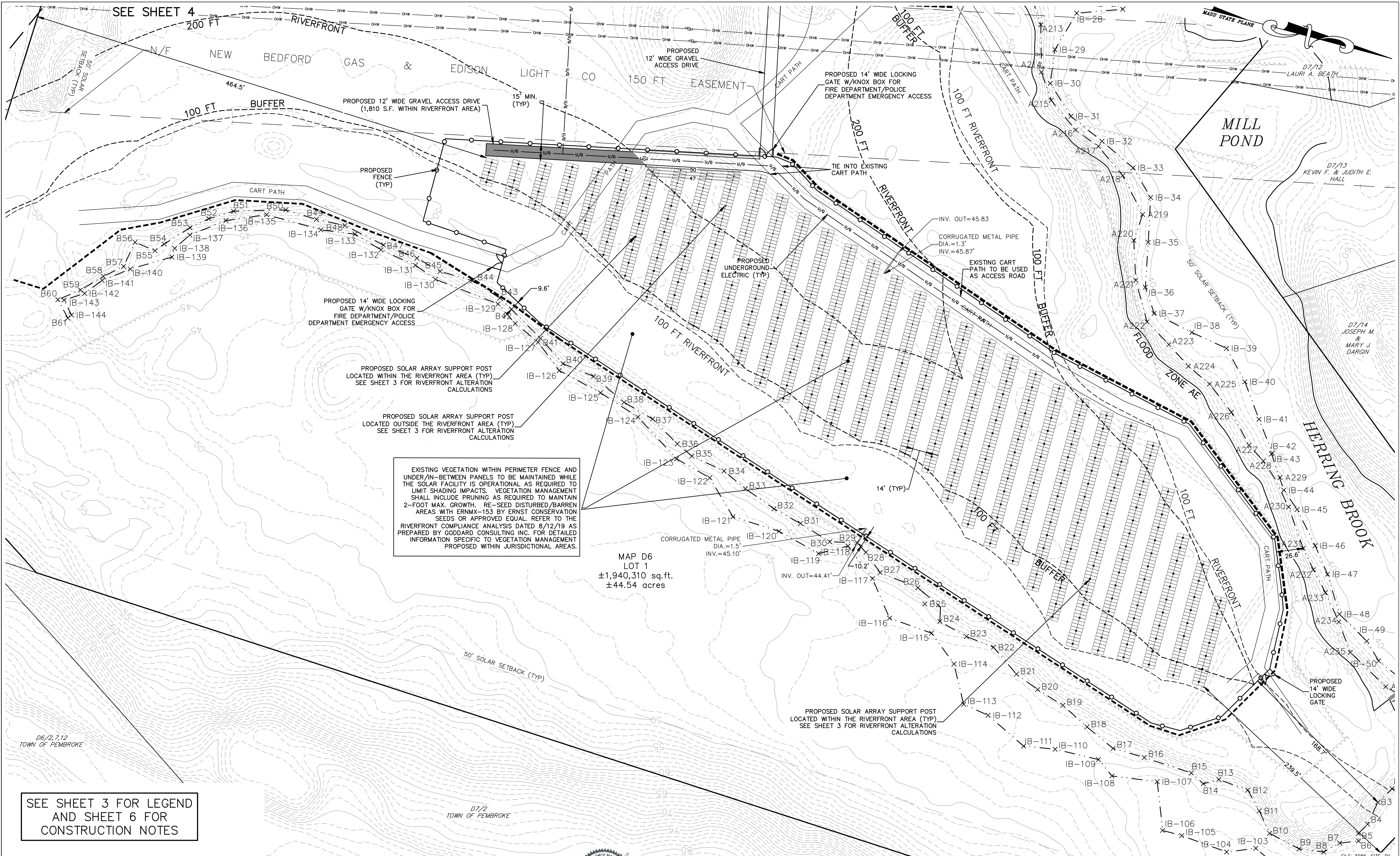
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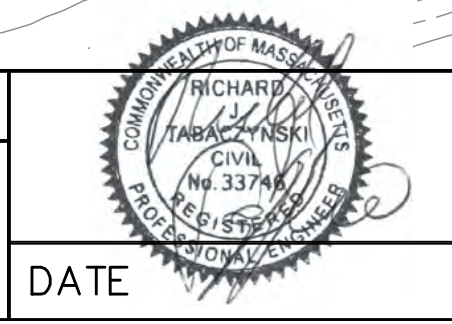
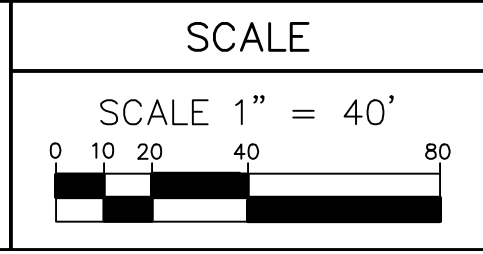


SEE SHEET 3 FOR LEGEND
AND SHEET 6 FOR
CONSTRUCTION NOTES



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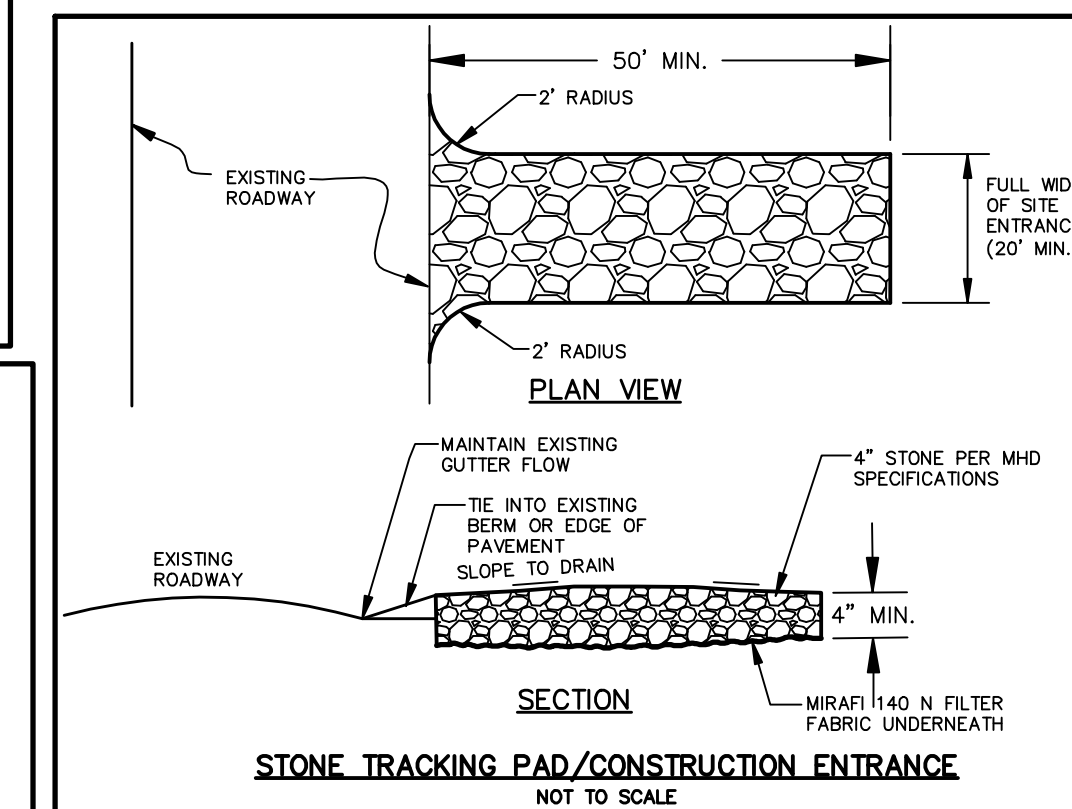
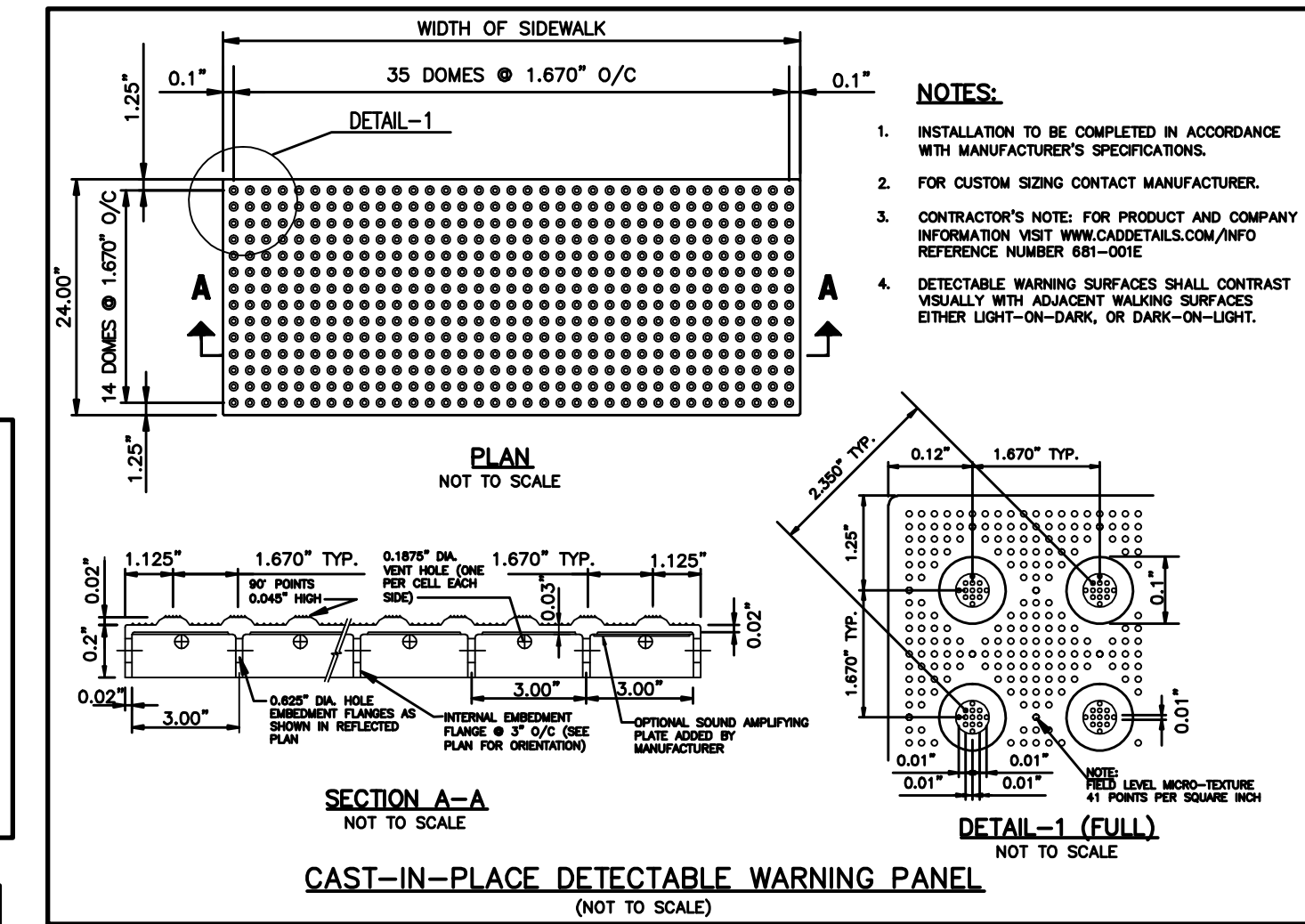
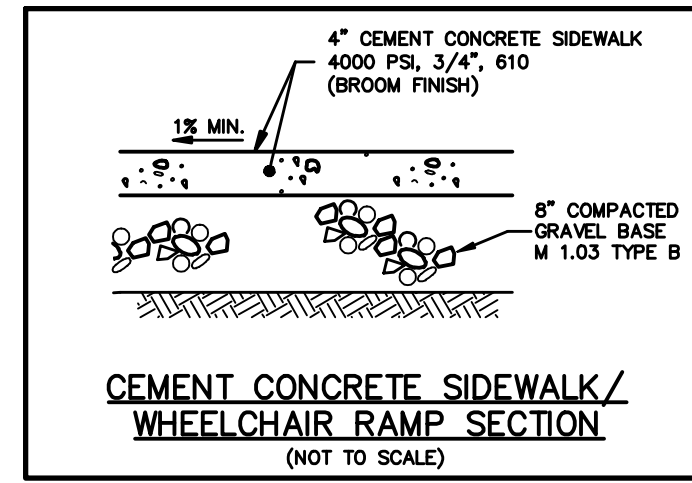
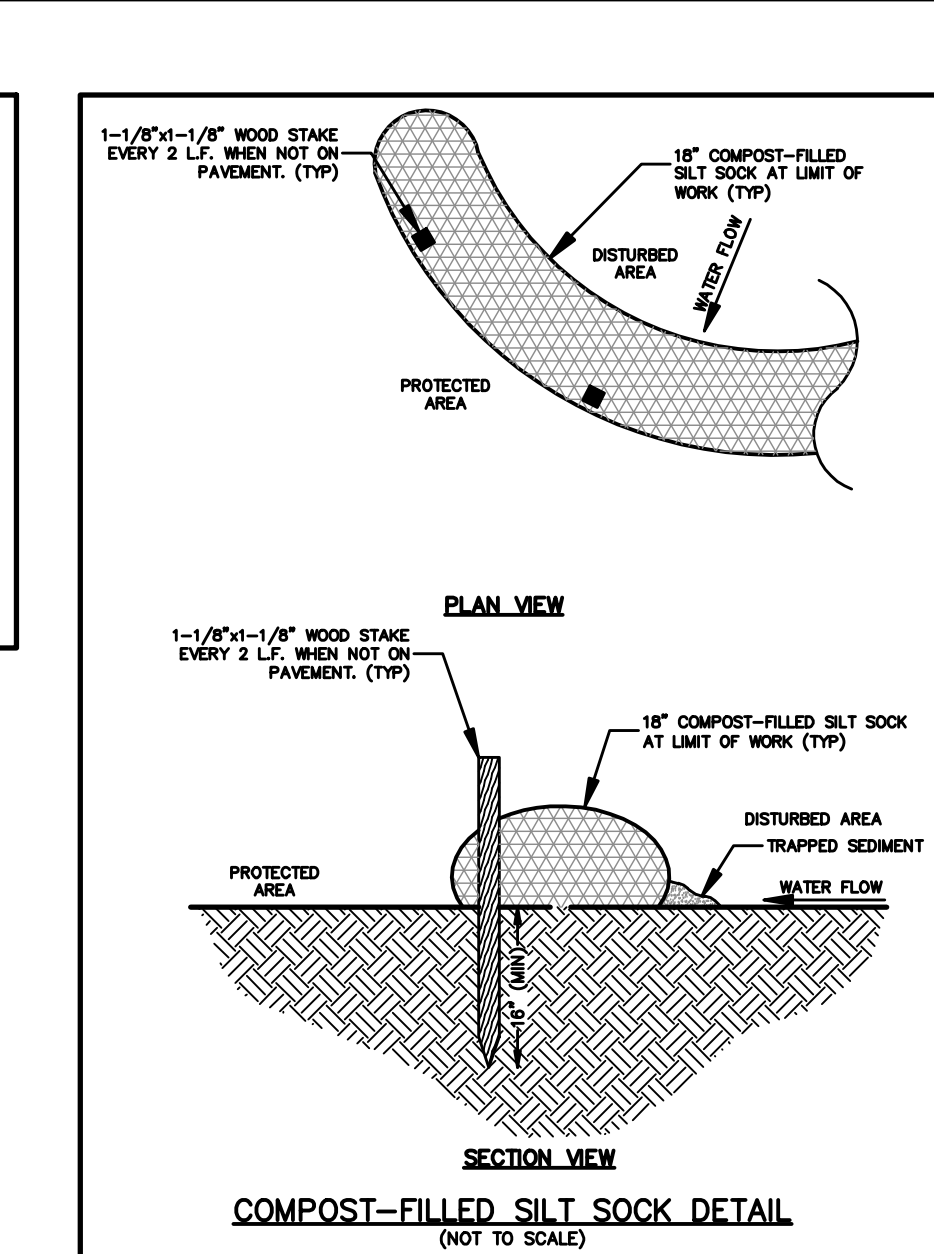
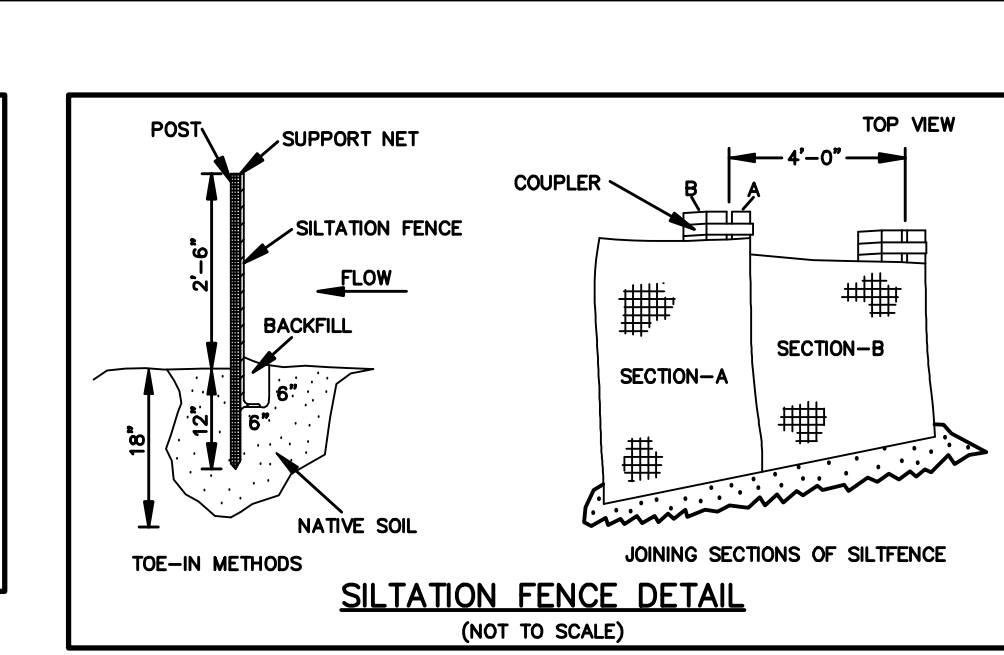
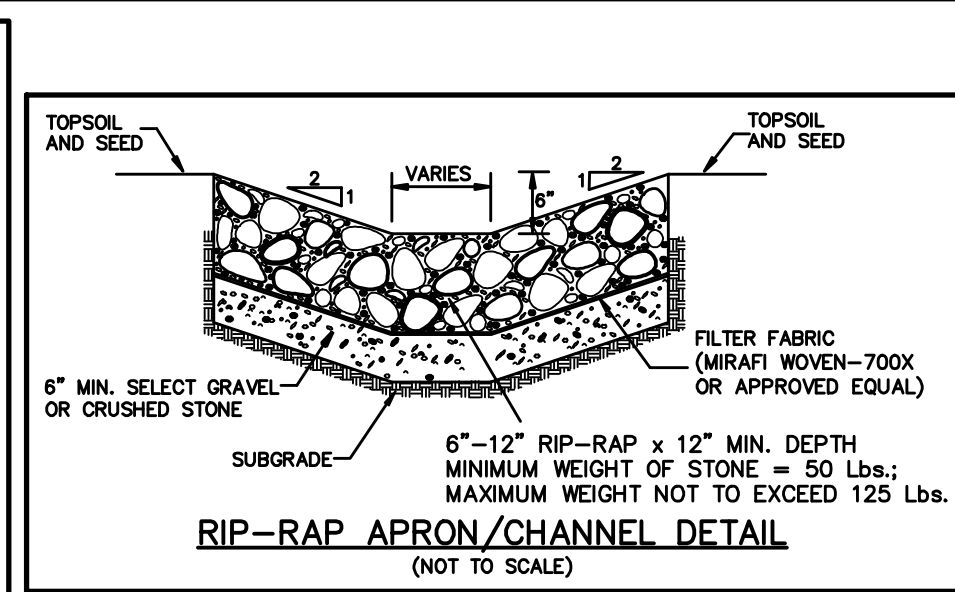
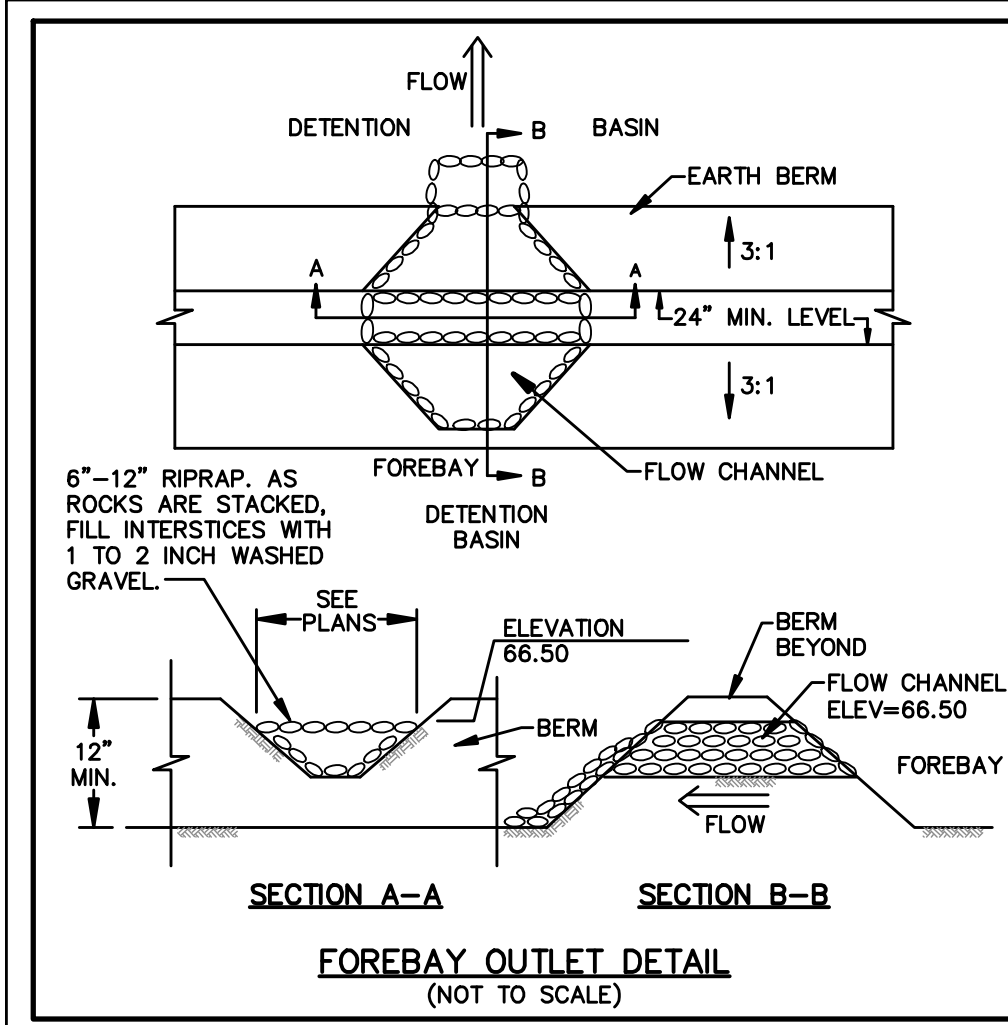


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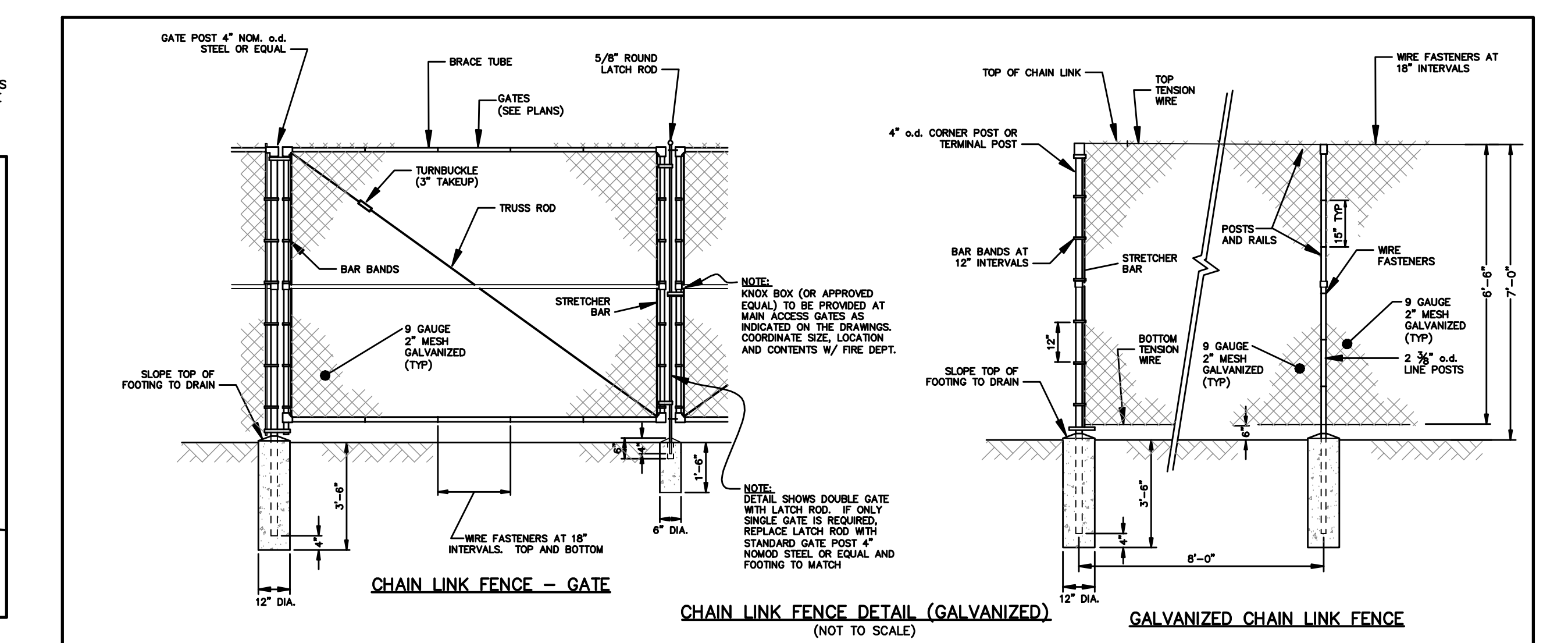
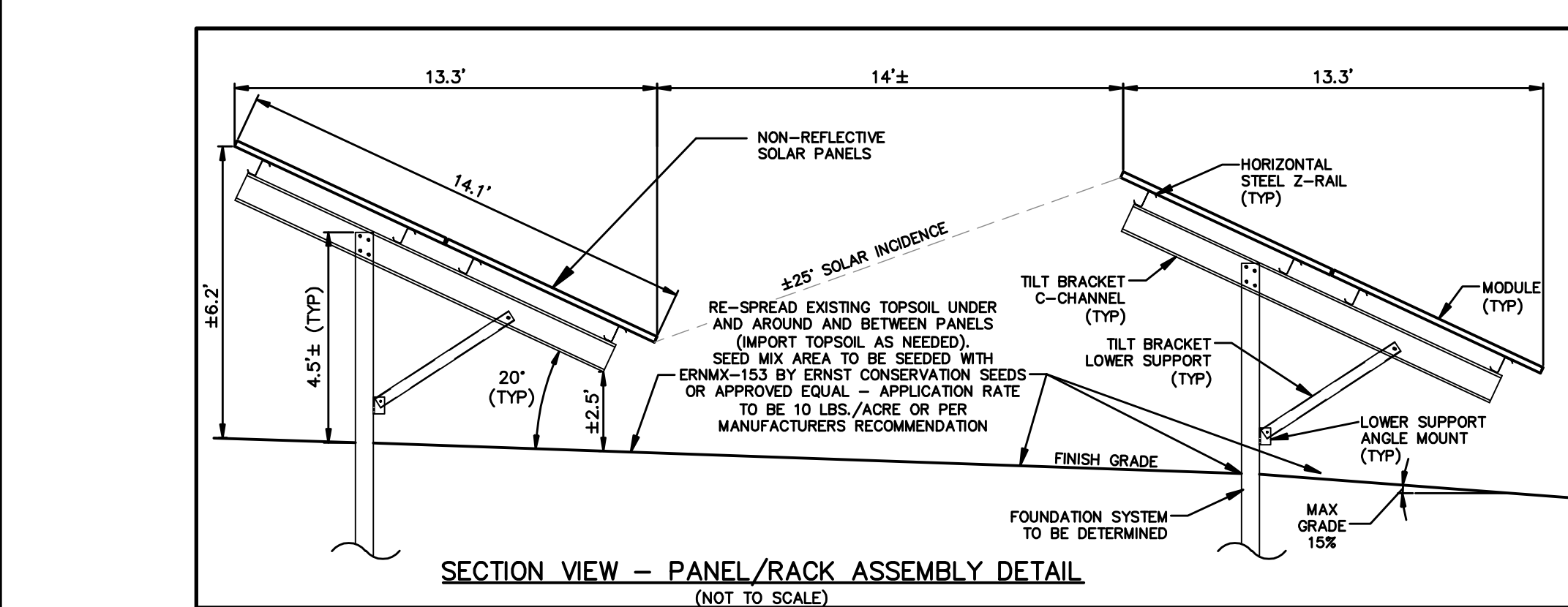
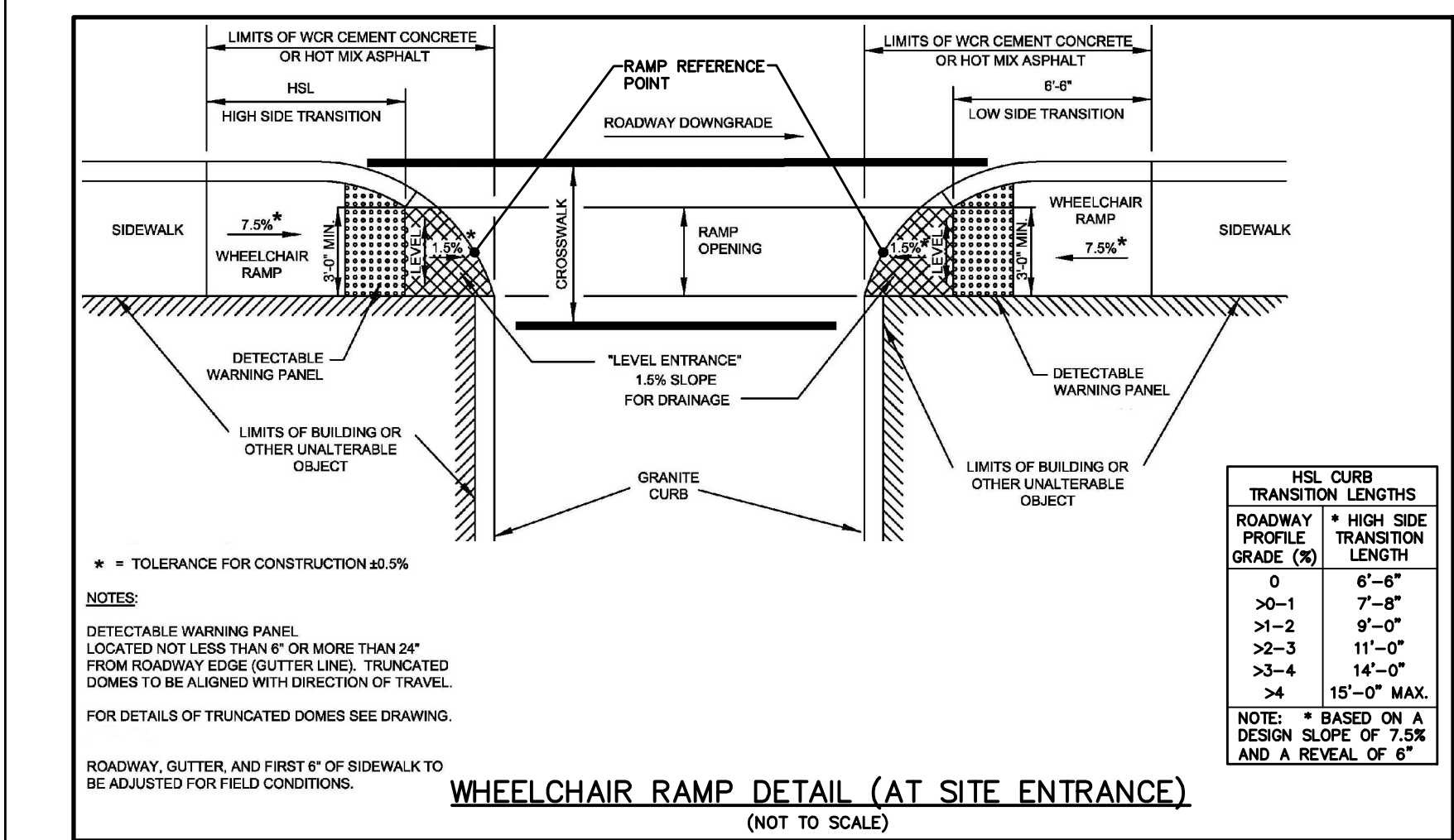
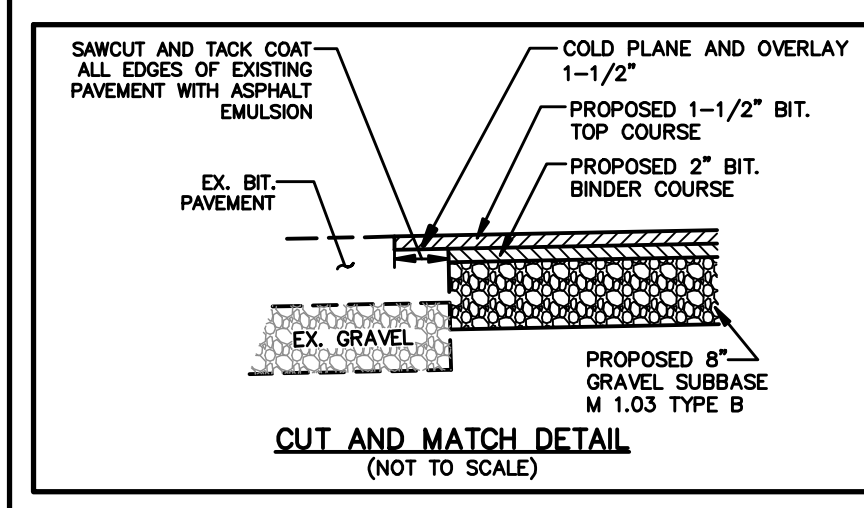
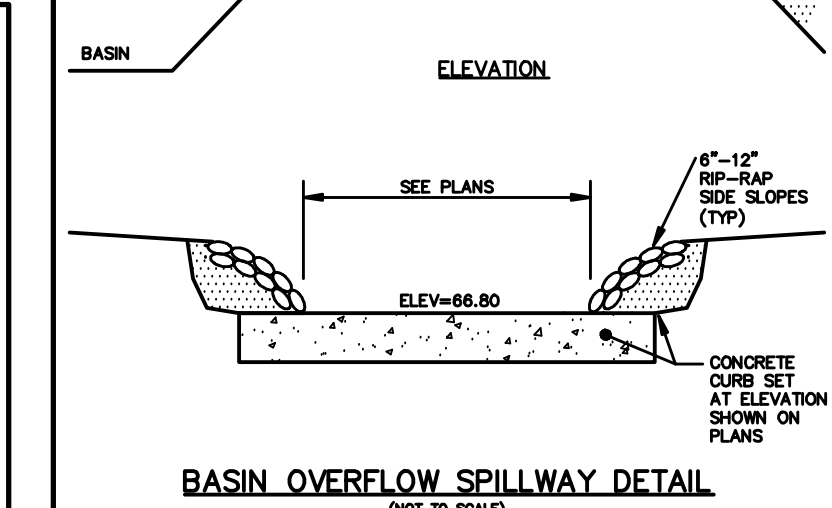
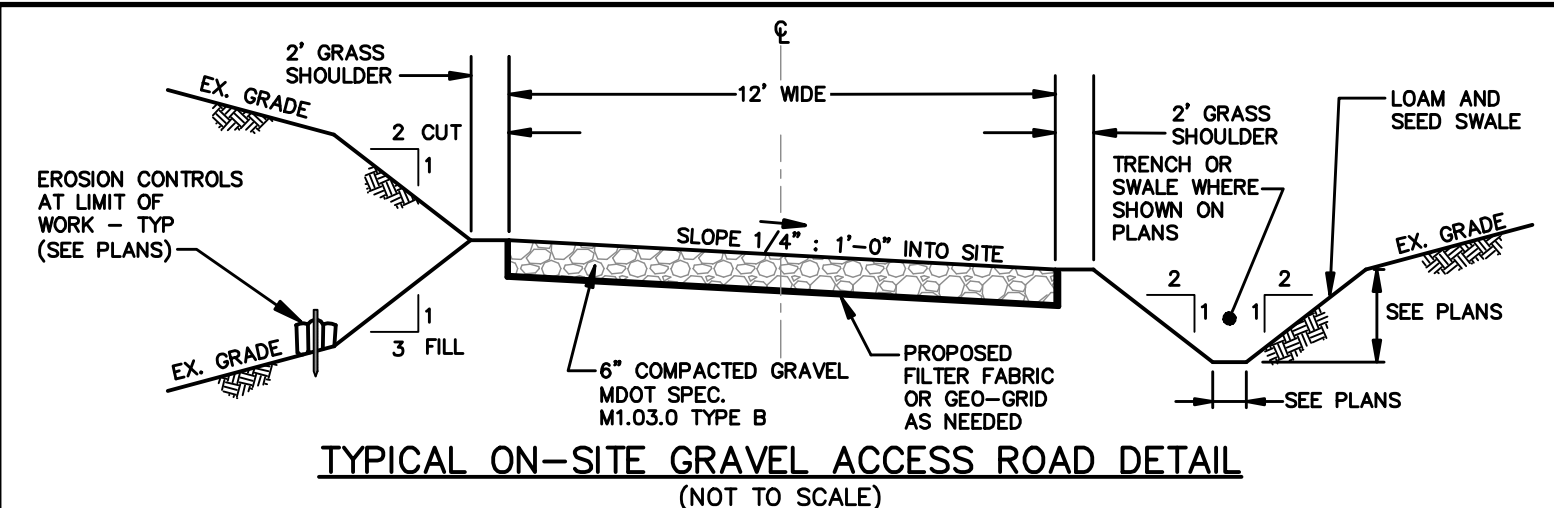
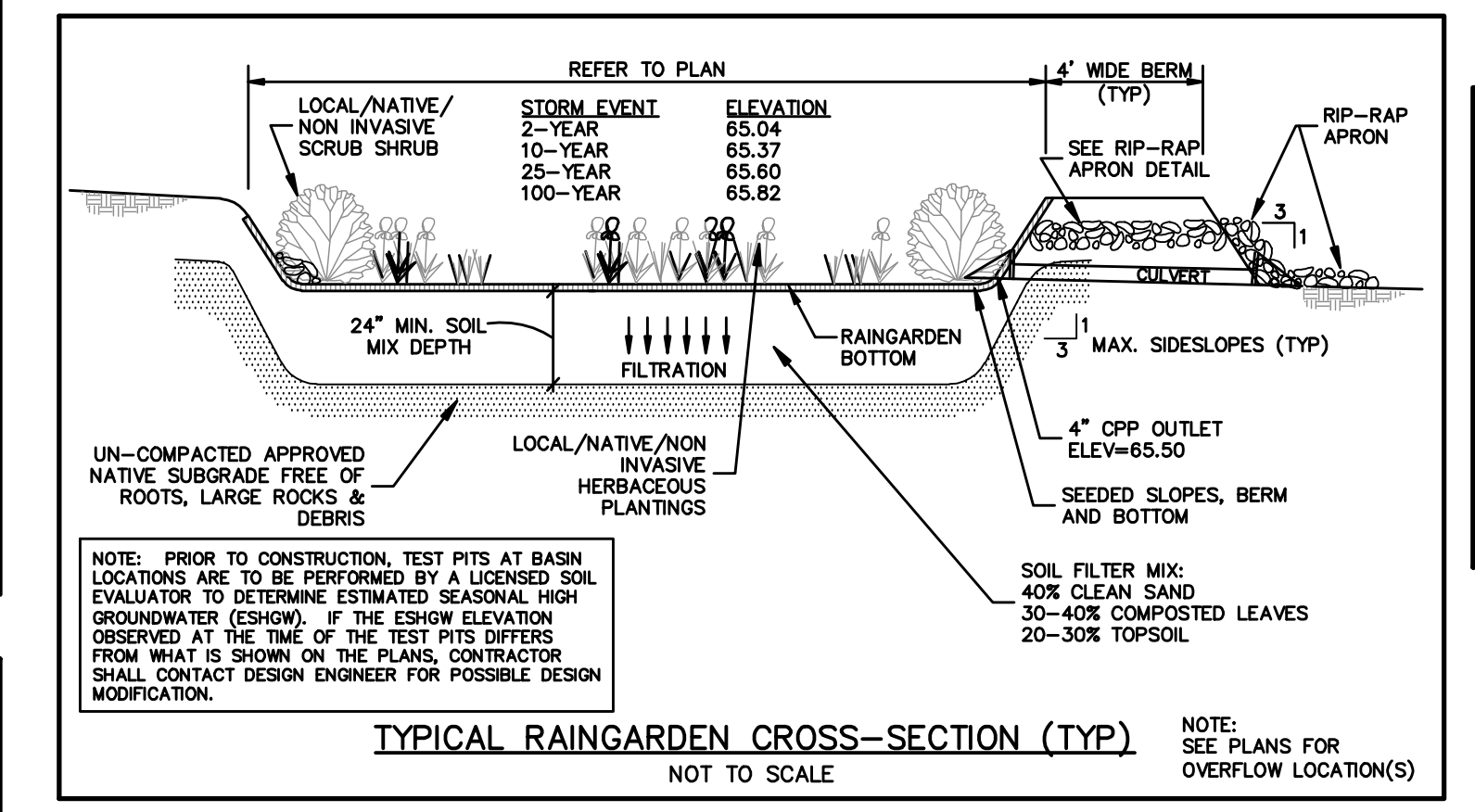
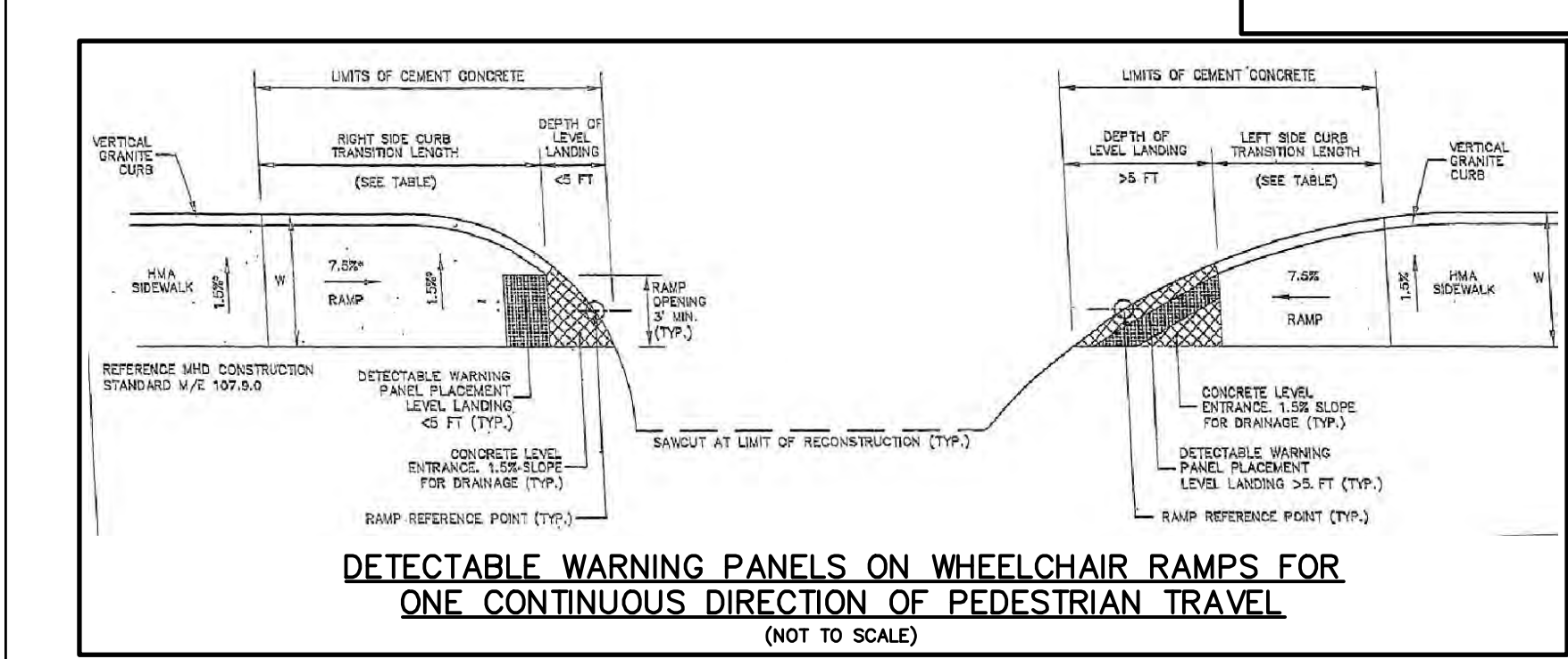
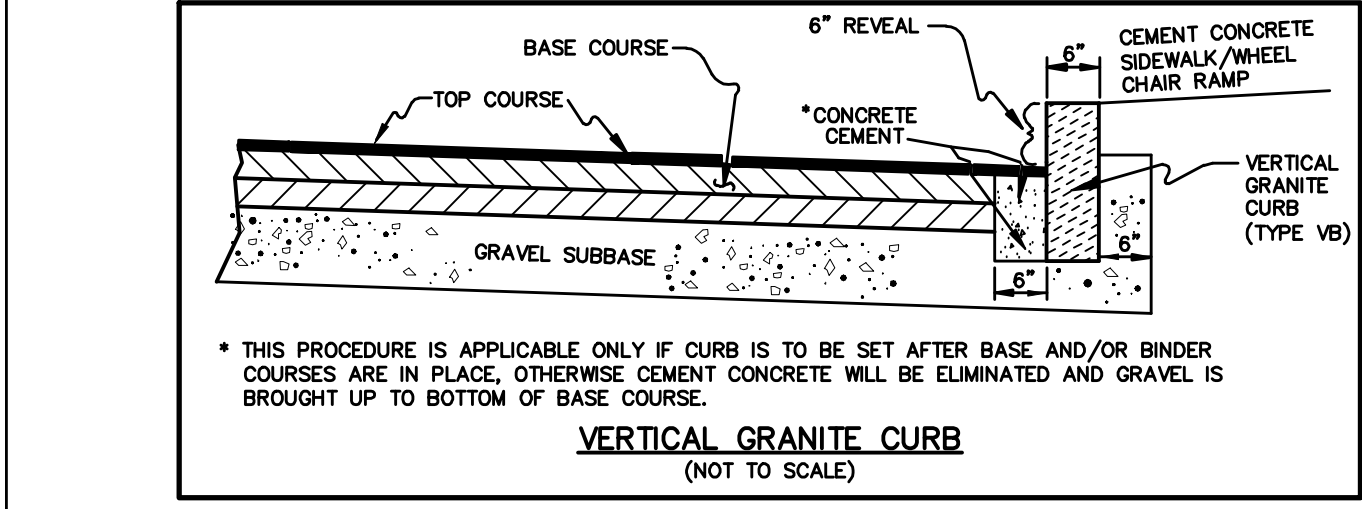
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RAIN GARDEN PLANT LIST

COMMON NAME	GENUS/SPECIES	SIZE	SPACING	NO.
INKBERRY	ILEX GLABRA	2'-3'	GROUPS OF 3-5, 4'-6FT O.C.	4
SWEET PEPPERBUSH	CLETHRA ALNIFOLIA	2'-3'	GROUPS OF 3-5, 4'-6FT O.C.	4
RED TWIG DOGWOOD	CORNUS SERICEA	2'-3'	GROUPS OF 3-5, 4'-6FT O.C.	4
BEACH PLUM	PRUNUS MARITIMA	2'-3'	GROUPS OF 3-5, 4'-6FT O.C.	4
VIRGINIA ROSE	ROSE VIRGINIANA	2'-3'	GROUPS OF 3-5, 4'-6FT O.C.	4
MEADOW SWEET	SPIRAEA LATIFOLIA	2'-3'	GROUPS OF 3-5, 4'-6FT O.C.	4
HIGHBUSH CANTERBURY	VACUINUM TILLODIUM	2'-3'	GROUPS OF 3-5, 4'-6FT O.C.	4

ALL PLANTINGS SHALL BE NATIVE VARIETIES. SPECIFIC PLACEMENT TO BE MODIFIED IN THE FIELD BY THE LANDSCAPE INSTALLER/PROFESSIONAL. IF NECESSARY, ANY REQUIRED SUBSTITUTE SHALL BE PER MA DP RECOMMENDATIONS.



- SEDIMENT AND EROSION CONTROL NOTES:**
- PRIOR TO COMMENCING SITE WORK OR EARTHWORK OPERATIONS, INSTALL SEDIMENT CONTROL BARRIERS AND MAINTAIN THROUGHOUT CONSTRUCTION.
 - ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED IMMEDIATELY UPON COMPLETION OF CONSTRUCTION.
 - ALL MATERIALS AND STOCKPILES SHALL BE STORED ON LEVEL AREAS OUTSIDE OF ANY FLOOD ZONES, WETLANDS OR BUFFER ZONE AREAS. ALL STOCKPILES SHALL BE SURROUNDED BY SILT SOCKS. SHALL HAVE SIDE SLOPES NO GREATER THAN 3:1 AND SHALL BE SEEDED OR STABILIZED IF LEFT UNDISTURBED FOR TWO WEEKS OR MORE.
 - SEDIMENTATION CONTROL DEVICES AND EROSION CONTROL BARRIERS SHALL BE INSPECTED WEEKLY AND MAINTAINED AS NECESSARY THROUGHOUT ALL PHASES OF CONSTRUCTION AND PROMPTLY AFTER EACH RAINFALL.
 - ANY SLOPE STEEPER THAN 3:1 SHALL BE EQUIPPED WITH SLOPE STABILIZATION FABRIC OR EROSION CONTROL MATTING.
 - ADDITIONAL SEDIMENT CONTROL MEASURES SHALL BE INSTITUTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER AND/OR THE TOWN.
 - THE CONTRACTOR MUST REPAIR OR RE-SEED ANY AREAS THAT DO NOT DEVELOP WITHIN A PERIOD OF ONE YEAR AT NO ADDITIONAL EXPENSE TO THE OWNER.
 - MATERIAL STOCKPILES SHALL NOT BE LOCATED WITHIN THE PATH OF EXISTING OR PROPOSED WATERCOURSES (BOTH TEMPORARY OR PERMANENT) OR THOSE AREAS SUBJECT TO STORM WATER FLOW.
 - SEDIMENT CONTROL DEVICES AND SEDIMENT CONTROL BARRIERS MAY BE REMOVED ONLY AFTER THE SITE HAS BEEN STABILIZED AND APPROVED BY THE CONSERVATION COMMISSION.
 - ALL DISTURBED OR EXPOSED AREAS SUBJECT TO EROSION, WHICH REMAIN UNDISTURBED BUT INACTIVE FOR AT LEAST 14 DAYS, SHALL RECEIVE TEMPORARY SEEDING IN ACCORDANCE WITH THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES. IN ALL CASES, STABILIZATION MEASURES SHALL BE IMPLEMENTED AS SOON AS POSSIBLE IN ACCORDANCE WITH THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES.
 - EARTHWORK ACTIVITY ON THE SITE SHALL BE DONE IN A MANNER SUCH THAT RUNOFF IS DIRECTED AWAY FROM ADJUTING STRUCTURES, PROPERTY, ETC.
 - THE CONTRACTOR SHALL KEEP ON SITE AT ALL TIMES ADDITIONAL SILT SOCK AND EXTRA SILTATION FENCING FOR INSTALLATION AT THE DIRECTION OF THE ENGINEERS, CONSERVATION COMMISSION, OR THE BOARD TO MITIGATE ANY EMERGENCY CONTROL.
 - REFER TO CONSTRUCTION DETAILS FOR ADDITIONAL EROSION CONTROL MEASURES.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SITING, RELOCATION AND AUGMENTATION OF SEDIMENT AND EROSION CONTROL DEVICES AS THE PROJECT PROGRESSES AND THE SITE DRAINAGE CONDITIONS CHANGE.
 - THE CONTRACTOR SHALL MINIMIZE THE AREA OF DISTURBED LAND. EFFORTS SHALL BE MADE TO LIMIT THE TIME OF EXPOSURE OF DISTURBED AREAS.
 - ANY DISTURBED SOILS NOT PERMANENTLY STABILIZED PRIOR TO OCTOBER 15 OF ANY YEAR SHALL BE TEMPORARILY STABILIZED TO PREVENT EROSION UNTIL ACTIVE USE RESUMES.
 - SEDIMENT CONTROLS SHALL NOT CONTAIN ANY NYLON MESH OR NETTING FOUND TO BE A HAZARD TO LOCAL WILDLIFE. HAYBALES SHALL NOT BE USED AS SEDIMENT CONTROL DUE TO THE POTENTIAL TO SPREAD INVASIVE PLANT SPECIES. LOOK FOR BARRIERS. EROSION CONTROLS ARE PREFERRED, SUCH AS ROLLED EROSION CONTROL PRODUCTS (E.g., MULCH CONTROL, NETTING, EROSION CONTROL BLANKETS, TURF MATS, MULCH SOCKS, FIBER ROLLS, MATS, ETC.) WHICH MUST BE 100% NATURAL BIO-DEGRADABLE MATERIAL. PHOTO-DEGRADABLE, UV DEGRADABLE OR OXO-(BIO)DEGRADABLE PLASTICS ARE NOT CONSIDERED BIO-DEGRADABLE.

- CONSTRUCTION PERIOD STORMWATER OPERATION AND MAINTENANCE:**
- SCHEDULE:**
- SEDIMENT CONTROL BARRIERS:**
- SEDIMENT CONTROL BARRIERS (SILT SOCK, ETC.) SHOULD BE INSPECTED IMMEDIATELY AFTER EACH RUN-OFF PRODUCING RAINFALL EVENT AND AT LEAST DAILY DURING PROLONGED RAINFALL. SEDIMENT DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER. SEDIMENT DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER. SEDIMENT DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER. SEDIMENT DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
- RAIN GARDEN:**
- INSPECT AFTER EVERY MAJOR STORM EVENT (2" OR GREATER) DURING CONSTRUCTION AND FOR THE FIRST FEW MONTHS AFTER CONSTRUCTION TO ENSURE PROPER STABILIZATION AND FUNCTION. THEREAFTER INSPECT AT LEAST TWICE PER YEAR DURING MET WEATHER TO ENSURE THE BIO-RETENTION/RAIN GARDENS ARE DRAINING PROPERLY AND VEGETATION IS THRIVING. CHECK FOR EROSION, INVASIVE TREE GROWTH, CLOGGING AND TRASH AND REMOVE ORGANIC MATTER, WEEDS, TRASH AND DEBRIS AS NECESSARY. RE-SEED ERODED OR BARREN SPOTS IMMEDIATELY AFTER INSPECTION. REMOVE SEDIMENT AS NECESSARY DURING CONSTRUCTION, WHILE DRY AND AT LEAST EVERY FIVE YEARS AFTER CONSTRUCTION.
- STONE TRACKING PAD:**
- THE CONSTRUCTION ENTRANCE TRACKING PADS SHOULD BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF SEDIMENT ONTO THE PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE. THE ENTRANCE PAD SHOULD BE INSPECTED WEEKLY AT A MINIMUM, AFTER MAJOR STORM EVENTS (2" OR GREATER) AND DURING PERIODS OF HEAVY USE. PARTICLES CLOG THE JOINTS IN THE GRAVEL. THE PAD SHOULD BE TOP DRESSED WITH NEW STONE OR REPLACED COMPLETELY, WHERE SEDIMENT HAS BEEN TRACKED-OUT FROM YOUR SITE ONTO PAVED ROADS, SIDEWALKS, OR OTHER PAVED AREAS OUTSIDE OF YOUR SITE. REMOVE THE DEPOSITED SEDIMENT BY THE END OF THE SAME BUSINESS DAY IN WHICH THE TRACK-OUT OCCURS OR BY THE END OF THE NEXT BUSINESS DAY IF TRACK-OUT OCCURS ON A NON-BUSINESS DAY. REMOVE THE TRACK-OUT BY SWEEPING, SHOVELING, OR VACUUMING THESE SURFACES. USING OTHER SIMILARLY EFFECTIVE MEANS OF SEDIMENT REMOVAL. YOU ARE PROHIBITED FROM HOISING OR SWEEPING TRACKED-OUT SEDIMENT INTO ANY STORMWATER CONVEYANCE, STORM DRAIN INLET, OR WATER OF THE U.S.
- FOREBAY:**
- INSPECT MONTHLY AT A MINIMUM, OR AFTER MAJOR STORM EVENTS (2" OR GREATER) DURING AND AFTER CONSTRUCTION FOR EROSION, EXCESSIVE ACCUMULATION OF SEDIMENT AND TRASH. REPAIR ERODED SPOTS IMMEDIATELY AFTER INSPECTION. ACCUMULATED SEDIMENT SHALL BE REMOVED AT LEAST FOUR TIMES A YEAR OR BEFORE IT EXCEEDS 0.5' IN DEPTH. WHICHEVER OCCURS FIRST. SEDIMENT SHALL BE DISPOSED OF IN A SUITABLE AREA AND PROTECTED FROM EROSION BY EITHER STRUCTURAL OR VEGETATIVE MEANS.

- CONSTRUCTION NOTES:**
- THE PROPERTY LINES SHOWN HEREON, ARE COMPILED FROM PLANS AND DEEDS OF RECORD AND FIELD SURVEYS BY ATLANTIC DESIGN ENGINEERS, INC. IN NOVEMBER AND DECEMBER OF 2018. THE HORIZONTAL DATUM IS THE NORTH AMERICAN DATUM OF 1983 (NAD83). MASSACHUSETTS STATE PLANE, MAINLAND ZONE, BASED UPON A GPS SURVEY BY ATLANTIC DESIGN ENGINEERS, INC.
 - EXISTING CONDITIONS DEPICTED HEREON ARE BASED UPON THE MASSACHUSETTS GEOGRAPHIC INFORMATION SYSTEM AND PARTIAL FIELD SURVEYS BY ATLANTIC DESIGN ENGINEERS, INC. IN NOVEMBER AND DECEMBER OF 2018.
 - THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS SHOWN AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT MAY BE FOUND IN THE PLAN.
 - CONTRACTOR SHALL VERIFY ALL CRITICAL ELEVATIONS AND INVERTS PRIOR TO CONSTRUCTION.
 - WHERE AN EXISTING PUBLIC UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED AND THE INFORMATION FURNISHED TO THE UTILITY COMPANY AND OWNER FOR RESOLUTION OF THE CONFLICT.
 - SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS PART OF THIS SURVEY. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS SITE.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY DISSAFE, THE TOWN OF NORTON HIGHWAY DEPARTMENT AND ATLANTIC DESIGN ENGINEERS, INC. A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION ACTIVITIES FOR LOCATION OF ALL UNDERGROUND UTILITIES AND UTILITY COMPANY APPROVALS.
 - ALL BUILDINGS, SURFACE, AND SUBSURFACE IMPROVEMENTS ON AREAS ADJACENT TO THE SITE ARE NOT NECESSARILY SHOWN.
 - THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY AND HAVE NOT BEEN FIELD VERIFIED BY THE OWNER OR ITS REPRESENTATIVES. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND R/W AND INVERTS BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MAY OCCUR BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
 - THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENTS OF ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES WITH THE UTILITY COMPANY, IF NECESSARY. IF ANY INTERRUPTION OF SERVICE ARE NECESSARY TO ADJUTING PROPERTY OWNERS, A MINIMUM OF 48 HOURS NOTICE SHALL BE GIVEN.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSPECTION AND MAINTENANCE OF ALL STORMWATER AND EROSION CONTROL FACILITIES UNTIL THE PROJECT CONSTRUCTION IS COMPLETED. THE CONTRACTOR SHALL CLEAN ALL COMPONENTS OF THE STORMWATER MANAGEMENT SYSTEM AT THE COMPLETION OF CONSTRUCTION, IMMEDIATELY PRIOR TO TURNING OVER OPERATION AND MAINTENANCE RESPONSIBILITY TO THE PROJECT PROPONENT.
 - UPON COMPLETION OF CONSTRUCTION, THE OPERATION AND MAINTENANCE OF ALL COMPONENTS OF THE STORMWATER MANAGEMENT SYSTEM WILL BE THE RESPONSIBILITY OF THE SYSTEM OWNER.
 - CENTRICA BUSINESS SOLUTIONS
7484 CANDLEWOOD ROAD, SUITE T-W
HANOVER, MD 21076
 - THE SYSTEM OWNER SHALL COMPLY WITH THE POST CONSTRUCTION LONG TERM STORMWATER OPERATION AND MAINTENANCE PLAN APPROVED FOR THIS PROJECT.
 - DISPOSAL OF ACCUMULATED SEDIMENT AND HYDROCARBONS TO BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL GUIDELINES AND REGULATIONS.
 - THERE SHALL BE NO ILLICIT DISCHARGE OF ANY WASTE OR WASTE WATER INTO THE STORMWATER MANAGEMENT SYSTEM. THE MAINTENANCE OF THE FACILITY SHALL BE UNDERTAKEN IN SUCH A MANNER AS TO PREVENT ANY DISCHARGE OF WASTE OR WASTE WATER INTO STORMWATER MANAGEMENT SYSTEM. ANY WASTE OIL OR OTHER WASTE PRODUCTS GENERATED DURING MAINTENANCE SHALL BE PROPERLY DISPOSED OF OFF SITE.
 - THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM THE ACCUMULATION OF WASTE MATERIAL AND OTHER DEBRIS RESULTING FROM THE WORK. AT THE END OF CONSTRUCTION THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS AND SURPLUS MATERIALS FROM THE SITE. A THOROUGH INSPECTION OF THE WORK PERMITTER IS TO BE MADE AND ALL DISCARDED MATERIALS, BLOWN OR WATER CARRIED DEBRIS, SHALL BE COLLECTED AND REMOVED FROM THE SITE.
 - ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE PERMITS AND WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES, STANDARDS, ORDINANCES, RULES AND REGULATIONS.
 - CONTRACTOR TO DESIGNATE A SPECIFIC AREA FOR COMBUSTIBLE MATERIALS, APPROVED BY THE FIRE DEPARTMENT, SO THAT COMBUSTIBLES ARE NOT SPREAD THROUGHOUT THE CONSTRUCTION SITE.
 - THE CONTRACTOR AND OWNER ARE RESPONSIBLE FOR COMPLIANCE WITH STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR CONSTRUCTION ACTIVITIES FOR THIS PROJECT.