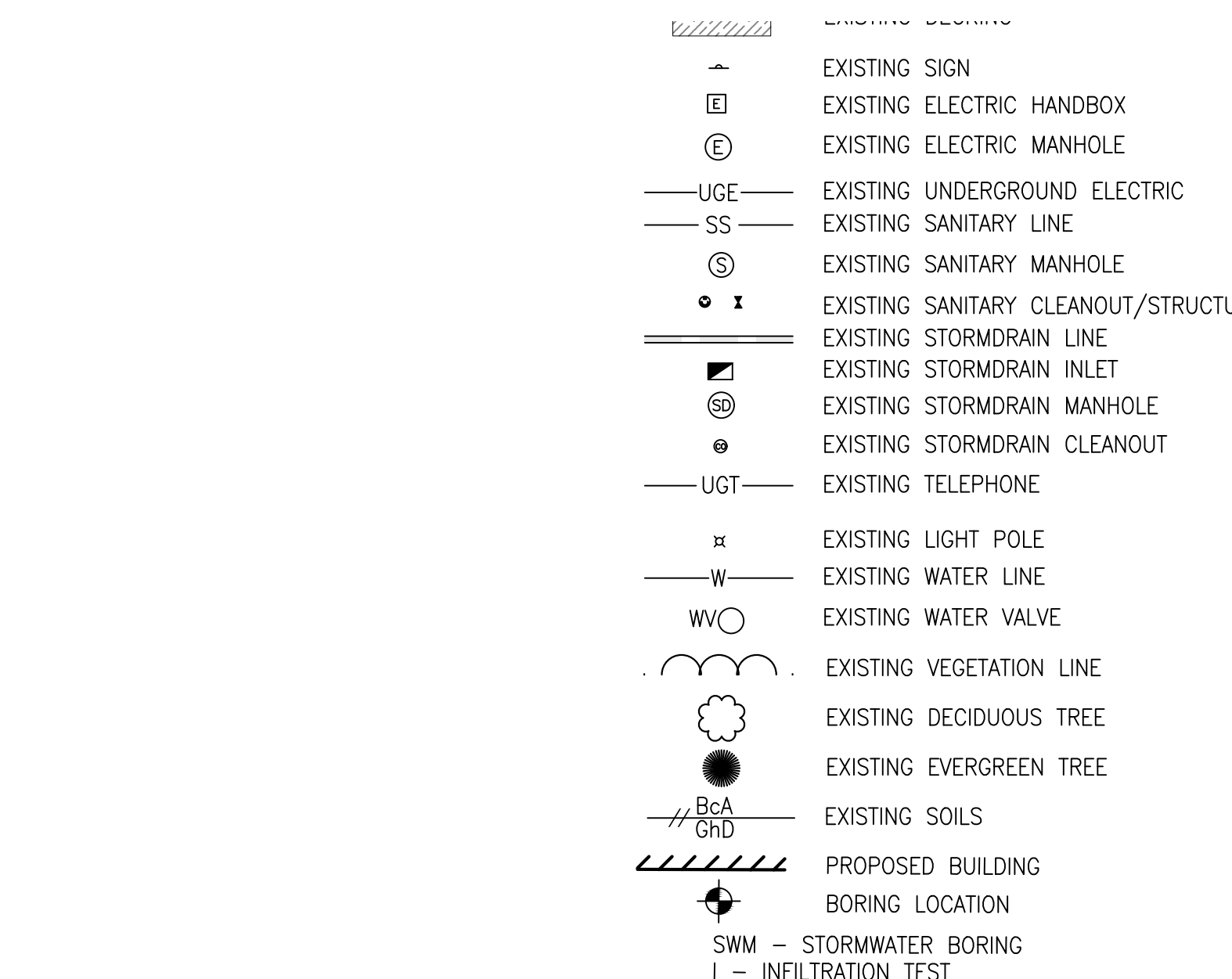




SCALE: 1"=20'

20' 10' 0 20' 40'

SCALE: 1"=20'

SOIL TYPES		
SYMBOL	DESCRIPTION	HSC
BkA	BROCKATONNORTON SAND, 0 TO 2% SLOPES, OCCASIONALLY FLOODED	A
UpB	URBAN LAND	A
AcC	ACQUANGO SAND, 5 TO 10% SLOPES, OCCASIONALLY FLOODED	A
W	WATER	—
UnA	URBAN LAND BROCKATONNORTON COMPLEX, 0–2% SLOPES, OCCASIONALLY FLOODED	D

1. FIELD RUN TOPOGRAPHICAL SURVEY HAS BEEN PERFORMED BY SOLUTIONS IPEM, LLC IN APRIL OF 2021. A BOUNDARY SURVEY HAD NOT BEEN PERFORMED.
2. EXISTING UNDERGROUND UTILITIES DESIGNATED ON THE PLANS ARE BASED ON CURRENTLY AVAILABLE INFORMATION AND ARE SHOWN FOR REFERENCE ONLY. THE OWNER AND ENGINEER DISCLAIM ANY RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF SAID INFORMATION BEYOND THE DESIGNATION INDICATED. THE QUALITY LEVEL DESIGNATED IS IN ACCORDANCE WITH ASCE "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" (C)/ASCE 38-02). THE CONTRACTOR SHALL MAKE HIMSELF FAMILIAR WITH THOSE STANDARDS PRIOR TO ANY RELIANCE ON THE INFORMATION SHOWN ON THESE PLANS. PRIOR TO ANY EXCAVATION, IN THE ABSENCE OF QUALITY LEVEL A OR B DESIGNATION, THE CONTRACTOR SHALL VERIFY, TO HIS OWN SATISFACTION, THE EXISTENCE, DEPTH, SIZE, MATERIAL, AND LOCATION OF ALL UNDERGROUND UTILITIES, AND DETERMINE WHETHER THOSE UTILITIES ARE LIVE. ANY EARTHWORK IN LOCATIONS WHERE UTILITIES ARE POSSIBLE SHALL BE DONE WITH EXTREME CAUTION. THE GIVING OF INFORMATION ON THE PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS OBLIGATION TO SUPPORT AND PROTECT ALL DESIGNATED OR UNDESIGNATED EXISTING UTILITIES AND APPURTENANCES. SHOULD ANY EXISTING UTILITY BE DAMAGED BY THE CONTRACTOR, THE CONTRACTOR SHALL REPAIR THE DAMAGE CAUSED TO THE UTILITY OWNER'S SATISFACTION, AT THE CONTRACTOR'S EXPENSE.
3. LIVE UNDERGROUND UTILITIES MAY EXIST WITHIN THE WORK AREA. CONTRACTOR SHALL USE EXTREME CAUTION AND SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.
4. INFORMATION SHOWN ON THIS DRAWING HAS BEEN PROVIDED AS A GUIDE TO ASSIST THE CONTRACTOR IN ESTABLISHING THE LOCATIONS OF PROPOSED CONSTRUCTION WITH RESPECT TO EXISTING SITE IMPROVEMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL CONSTRUCTION SURVEY STAKEOUT REQUIRED AND TO CONFIRM ALL INFORMATION SHOWN HEREON.
5. OWNER: STATE OF MARYLAND
6. ZONED: RP -- RESOURCE PROTECTION DISTRICT
7. BASED UPON F.E.M.A. FLOOD INSURANCE RATE MAP NUMBER 24047 C0285 H, PANEL 285 OF 450, WITH AN EFFECTIVE DATE OF JULY 16, 2015, THIS SITE IS LOCATED WITHIN FLOOD ZONE AE-100 YEAR SPECIAL FLOOD HAZARD AREA WITH BASE FLOOD ELEVATION OF 6 FEET.
8. HORIZONTAL DATUM IS REFERENCED TO MARYLAND STATE PLANE GRID NORTH (NAD83) AND VERTICAL DATUM IS REFERENCED TO NAVD '88 BY GPS STATIC SURVEY.

QUALITY LEVEL D (QL-D):
INCLUDES UTILITIES DESIGNATED THROUGH RECORD DOCUMENTS. THIS DATA COULD BE DIGITAL RECORDS, PAPER RECORDS, OR GIS DATA. THE AVAILABLE DATA COULD BE LIMITED AND NOT PRODUCE A COMPLETE PICTURE OF WHAT IS ONSITE. THE COMPLETENESS AND ACCURACY OF THE INFORMATION COULD BE COMPROMISED. HOWEVER, THE DATA COLLECTED IS SHOWN AND DESIGNATED SO AS TO REFLECT THE POTENTIAL FOR THE EXISTENCE OF UTILITIES.

QUALITY LEVEL C (QL-C):
INCLUDES UTILITIES DESIGNATED THROUGH THE PROCESS OF SURVEYING THE VISIBLE UTILITY SURFACE FEATURES. THIS DATA IS COMPILED WITH THE QUALITY LEVEL D DATA TO PROVIDE AN INCREASED, NOT ABSOLUTE, LEVEL OF HORIZONTAL POSITION ACCURACY FOR UNDERGROUND, NON-VISIBLE, QUALITY LEVEL D INFORMATION.

QUALITY LEVEL B (QL-B):
INCLUDES DESIGNATING THE UNDERGROUND UTILITIES BY MARKINGS PROVIDED THROUGH AN 811 CALL, BY CONTACTING AN INDIVIDUAL UTILITY COMPANY, OR PERFORMING TRACING OR GROUND PENETRATING RADAR. THE DESIGNATED UTILITY MARKINGS ARE THEN SURVEYED AND ADDED TO THE DRAWING. THIS DATA IS ADDED TO THE DATA COLLECTED FROM QUALITY LEVELS D AND C TO PROVIDE AN INCREASED LEVEL OF HORIZONTAL POSITION ACCURACY FOR UNDERGROUND, NON-VISIBLE UTILITIES.

QUALITY LEVEL A (QI-A):
INVOLVES PHYSICALLY LOCATING THE ACTUAL UTILITY BY MEANS OF TEST PITTING OR OTHER METHODS OF EXPOSURE. ONCE THE UTILITY IS EXPOSED IT IS LOCATED HORIZONTALLY AND VERTICALLY BY SURVEY MEASUREMENTS.



- REFERENCE NOTES:
1. SEE SHEET C300 FOR PROPOSED CONDITIONS PLAN
 2. SEE SHEET C301 FOR PROPOSED SITE DETAILS
 3. SEE SHEET C310 FOR PAVING DETAIL REFERENCE PLAN
 4. SEE SHEET C311 FOR PROPOSED PAVING DETAILS
 5. SEE SHEET C312-C317 FOR PROPOSED PAVING PLANS
 6. SEE SHEET C318-C319 FOR PROPOSED PAVING PLANS
 7. SEE SHEET C320 FOR PROPOSED SIGNAGE AND PAVEMENT MARKING DETAIL REFERENCE PLAN
 8. SEE SHEET C321-C323 FOR PROPOSED SIGN AND PAVEMENT MARKING DETAILS
 9. SEE SHEET C330 FOR PROPOSED GRADING

- LEGEND
- EXISTING BUILDING
 - EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR
 - EXISTING CURB
 - EXISTING ROADWAY
 - EXISTING PAVEMENT
 - EXISTING ASPHALT PAVING
 - EXISTING CONCRETE PAVING
 - EXISTING GRAVEL
 - EXISTING FENCELINE
 - EXISTING DECKING
 - EXISTING SIGN
 - EXISTING ELECTRIC HANDBOX
 - EXISTING ELECTRIC MANHOLE
 - EXISTING UNDERGROUND ELECTRIC
 - EXISTING SANITARY LINE
 - EXISTING SANITARY MANHOLE
 - EXISTING SANITARY CLEANOUT/STRUCTURE
 - EXISTING STORMDRAIN LINE
 - EXISTING STORMDRAIN INLET
 - EXISTING STORMDRAIN MANHOLE
 - EXISTING STORMDRAIN CLEANOUT
 - EXISTING TELEPHONE
 - EXISTING LIGHT POLE
 - EXISTING WATER LINE
 - EXISTING WATER VALVE
 - EXISTING VEGETATION LINE
 - EXISTING DECIDUOUS TREE
 - EXISTING EVERGREEN TREE
 - EXISTING SOILS
 - PROPOSED BUILDING
 - PROPOSED CURB
 - PROPOSED CONCRETE PAVING
 - PROPOSED HEAVY-DUTY CONCRETE PAVING
 - PROPOSED ASPHALT PAVING
 - PROPOSED STORMWATER MANAGEMENT AREA
 - PROPOSED YARD HYDRANT
 - PROPOSED WATER LINE
 - PROPOSED CONDUIT
 - PROPOSED SPLIT RAIL FENCE
 - PROPOSED VEGETATION LINE
 - PROPOSED MAJOR CONTOUR
 - PROPOSED MINOR CONTOUR
 - PROPOSED SPOT ELEVATION

PROPOSED CONDITIONS PLAN

SCALE: 1"=20'

SCALE: 1"=20'

- SITE IMPROVEMENTS NOTES:
1. EXISTING UNDERGROUND UTILITIES DESIGNATED ON THE PLANS ARE BASED ON CURRENTLY AVAILABLE INFORMATION AND ARE SHOWN FOR REFERENCE ONLY. THE OWNER AND ENGINEER DISCLAIM ANY RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF SAID INFORMATION BEYOND THE DESIGNATION INDICATED. THE QUALITY LEVEL DESIGNATED IS IN ACCORDANCE WITH ASCE "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA" (C/ASCE 38-02). THE CONTRACTOR SHALL MAKE HIMSELF FAMILIAR WITH THOSE STANDARDS PRIOR TO ANY RELIANCE ON THE INFORMATION SHOWN ON THESE PLANS. PRIOR TO ANY EXCAVATION, IN THE ABSENCE OF QUALITY LEVEL A OR B DESIGNATION, THE CONTRACTOR SHALL VERIFY, TO HIS OWN SATISFACTION, THE EXISTENCE, DEPTH, SIZE, MATERIAL, AND LOCATION OF ALL UNDERGROUND UTILITIES, AND DETERMINE WHETHER THOSE UTILITIES ARE LIVE. ANY EARTHWORK IN LOCATIONS WHERE UTILITIES ARE POSSIBLE SHALL BE DONE WITH EXTREME CAUTION. THE GIVING OF INFORMATION ON THE PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS OBLIGATION TO SUPPORT AND PROTECT ALL DESIGNATED OR UNDESIGNATED EXISTING UTILITIES AND APPURTENANCES. SHOULD ANY EXISTING UTILITY BE DAMAGED BY THE CONTRACTOR, THE CONTRACTOR SHALL REPAIR THE DAMAGE CAUSED TO THE UTILITY OWNER'S SATISFACTION, AT THE CONTRACTOR'S EXPENSE.
 2. INFORMATION SHOWN ON THIS DRAWING HAS BEEN PROVIDED AS A GUIDE TO ASSIST THE CONTRACTOR IN ESTABLISHING THE LOCATIONS OF PROPOSED CONSTRUCTION WITH RESPECT TO SITE IMPROVEMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL CONSTRUCTION SURVEY STAKEOUT REQUIRED AND TO CONFIRM ALL INFORMATION SHOWN HEREON.
 3. THE CONTRACTOR SHALL PROTECT ALL DOWNSTREAM AREAS FROM EROSION AND SEDIMENT DURING ANY DISTURBANCE ACTIVITIES IN ACCORDANCE WITH MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) REQUIREMENTS.
 4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO PERFORM ALL CONSTRUCTION RELATED ACTIVITIES.
 5. THE CONTRACTOR SHALL UTILIZE CHAIN LINK CONSTRUCTION FENCE AROUND ALL ACTIVE WORK AREAS. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS AND WARNING MEASURES TO PROTECT PEDESTRIANS FROM CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL SUBMIT FOR ALL APPLICABLE PERMITS.
 6. THE CONTRACTOR OR SUB-CONTRACTOR SHALL FURNISH TRAFFIC CONTROL AND PEDESTRIAN CONTROL DEVICES IN ACCORDANCE WITH MUTCD, LATEST EDITION AND APPROVED MAINTENANCE OF TRAFFIC PLANS.
 7. ALL UTILITY FRAMES AND COVERS TO REMAIN WITHIN THE PROJECT AREA SHALL BE ADJUSTED BY THE CONTRACTOR TO MEET THE PROPOSED FINISHED PAVEMENT OR GROUND ELEVATION. THE CONTRACTOR SHALL MAKE, CHECK, AND BE RESPONSIBLE FOR ALL MEASUREMENTS AND DIMENSIONS NECESSARY FOR THE PROPER CONSTRUCTION OF AND THE PREVENTION OF MISFITTINGS IN THE WORK. VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES BEFORE STARTING CONSTRUCTION.
 8. THE CONTRACTOR SHALL RESTORE ALL EXISTING AREAS TO REMAIN DISTURBED DURING CONSTRUCTION TO ORIGINAL CONDITION OR BETTER. ANY DAMAGE TO EXISTING FEATURES OR UTILITIES NOT INTENDED FOR REMOVAL OR MODIFICATION SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR AND TO THE OWNER'S SATISFACTION.
 9. ALL AREAS MUST BE GRADED FOR POSITIVE DRAINAGE.
 10. ALL EXISTING PAVEMENT MARKINGS ADJACENT TO THE PROJECT AREA WHICH BECOME FADED OR OBLISCURED DUE TO CONSTRUCTION ACTIVITY SHALL BE REPAINTED OR RESTORED AT NO ADDITIONAL COST TO THE OWNER.
 11. ALL SITE ELEMENTS ASSOCIATED WITH THE UNDERGROUND TUNNEL WATERPROOFING, INCLUDING, BUT NOT LIMITED TO ALL PAVING, WALLS, RAMPS, AND ELECTRICAL FEATURES, SHALL BE RESTORED TO ORIGINAL CONDITIONS. ALL PAVERS AND WALL MASONRY SHALL BE SALVAGED AND REINSTALLED IN-KIND.
 12. SEE C300 SERIES PLANS FOR CIVIL DETAILS CONSTRUCTION DETAILS.

300 East Joppa Road, Suite 200
Baltimore, MD 21286
410.512.4500 www.transystems.com

TRANSYSTEMS

CIVIL & STRUCTURAL ENGINEER:
CARROLL ENGINEERING, INC.
215 SCHILLING CIRCLE, STE 102
HUNT VALLEY, MD 21031
PHONE: 410-785-7423
FAX: 410-771-1313

MEP ENGINEER:
MIN ENGINEERING, INC.
10 SUDBROOK LN
PIKESVILLE, MD 21028
PHONE: 410-486-4692
FAX: 410-486-0452

LANDSCAPE ARCHITECT:
MAHAN RYKIEL ASSOCIATES INC
3300 CLIPPER MILL RD, STE 200
BALTIMORE, MD 21211
PHONE: 410-235-6001

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 14448 EXPIRATION DATE: 9/25/2027

**DEPARTMENT OF
NATURAL RESOURCES**

**RANGER STATION AT
ASSATEAGUE STATE
PARK**

**6915 STEPHEN
DECATUR HIGHWAY
BERLIN, MD 21811
WORCESTER COUNTY**

DGS PROJECT #: P-054-210-102

USING AGENCY APPROVAL

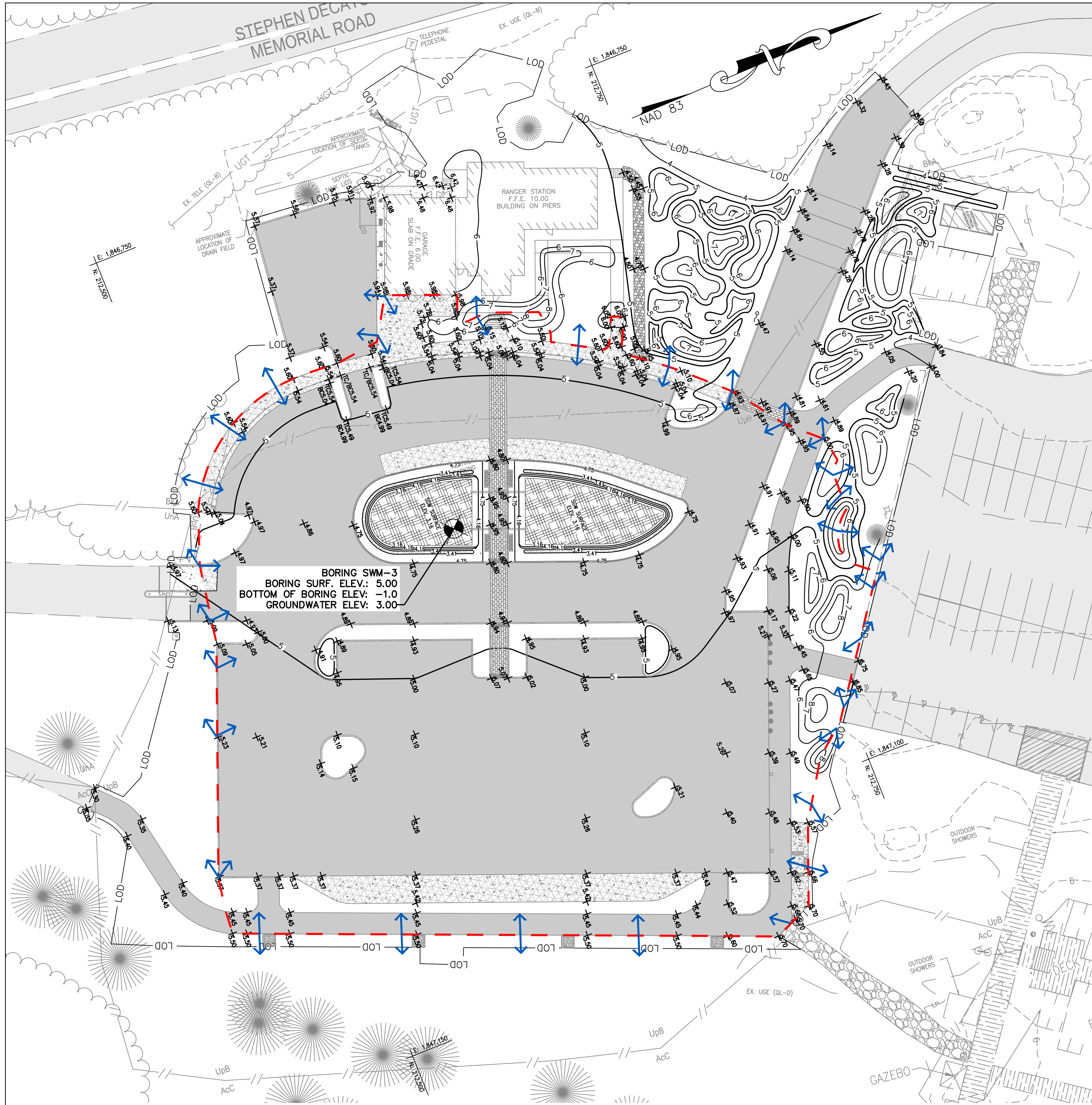
Name	Date	
Title	DGS APPROVAL	
Project Manager	Date	
Chief of PM&D:	Date	
MARK	DATE	DESCRIPTION
CAD DWG FILE:		
DRAWN BY: MJM		
CHK'D BY: CMS		
PROJECT #: A720240081		
DATE: 05/16/2025		

**PROPOSED
CONDITIONS
PLAN**

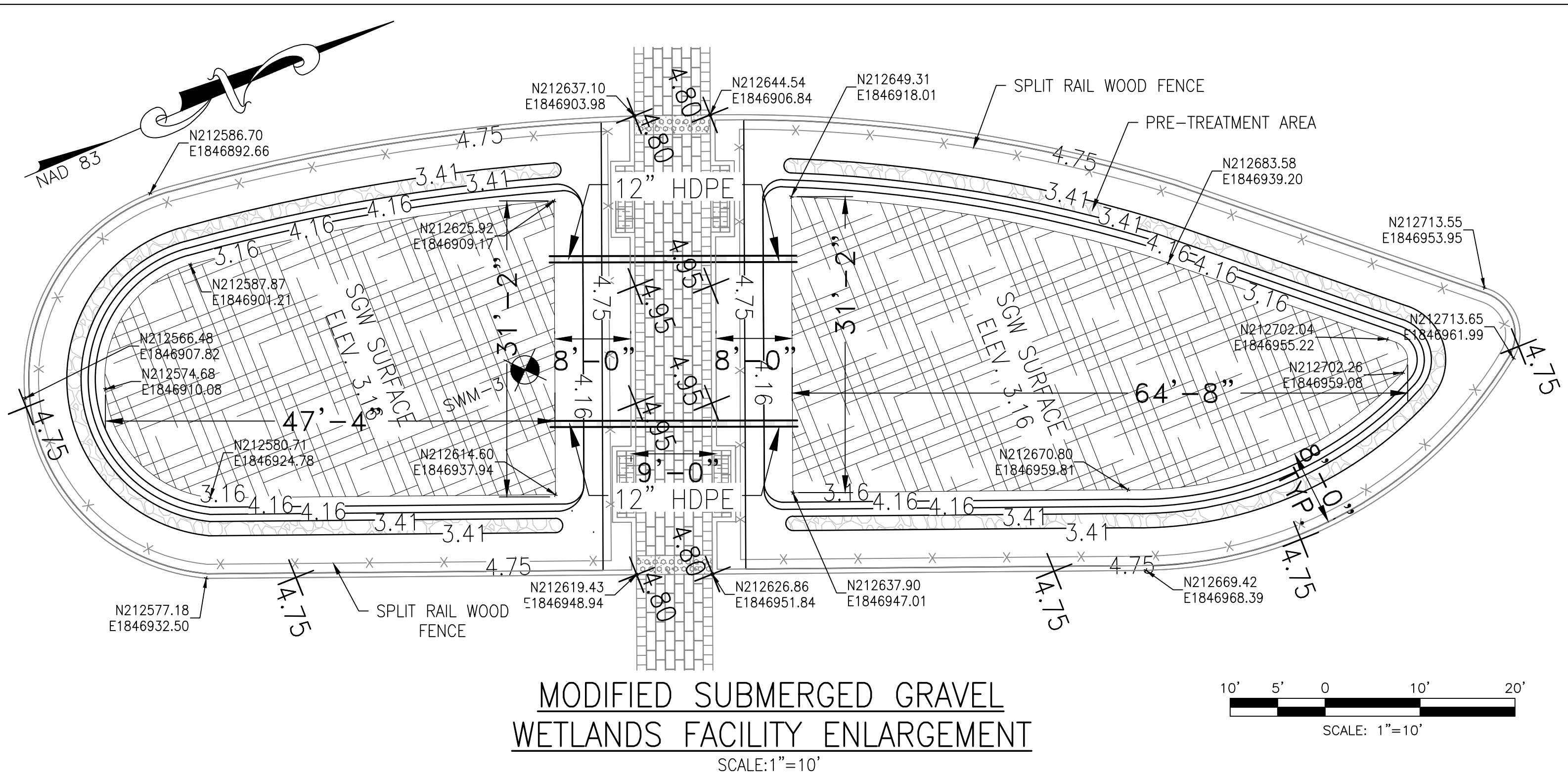
C300

SHEET _____ OF _____

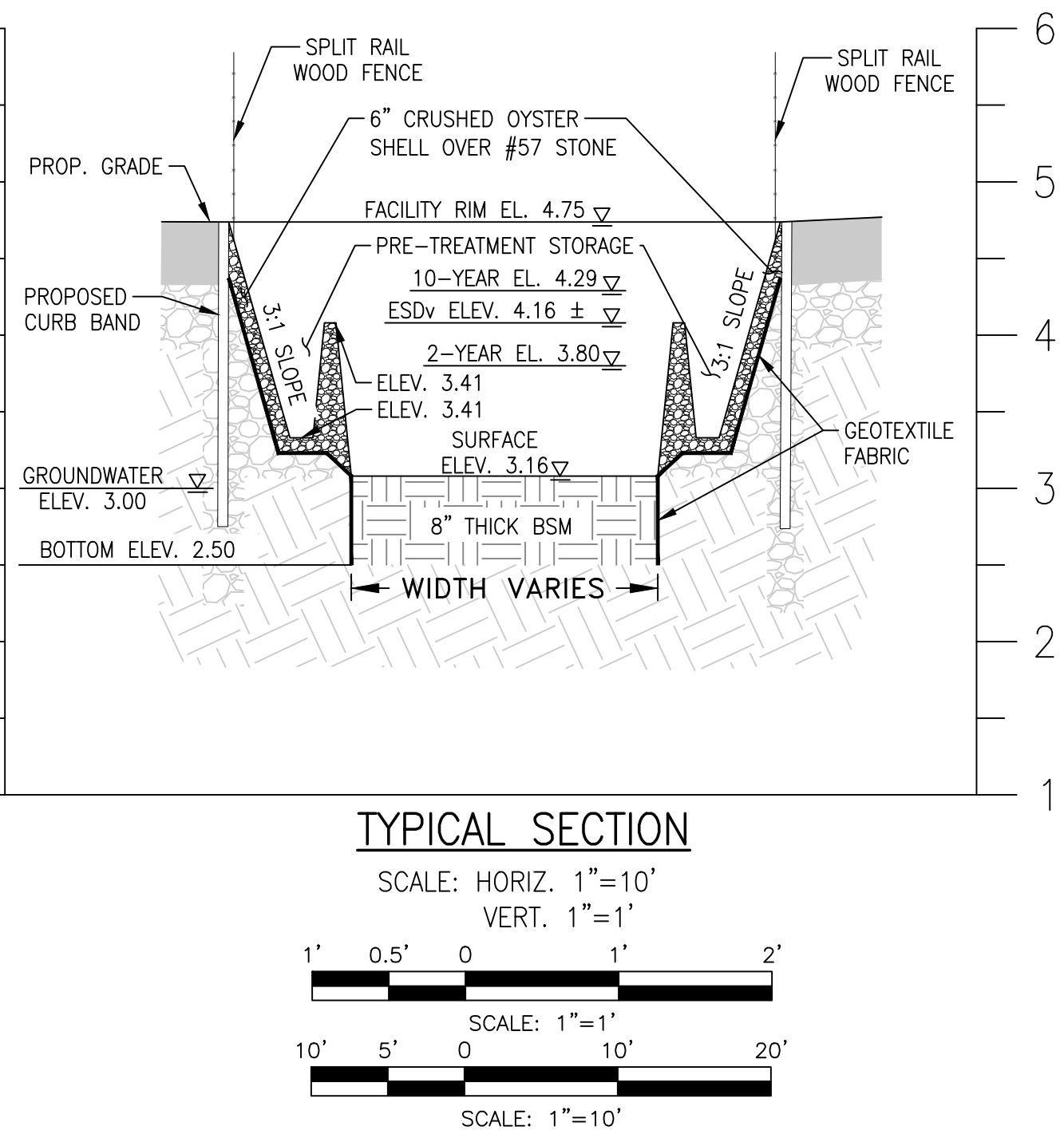
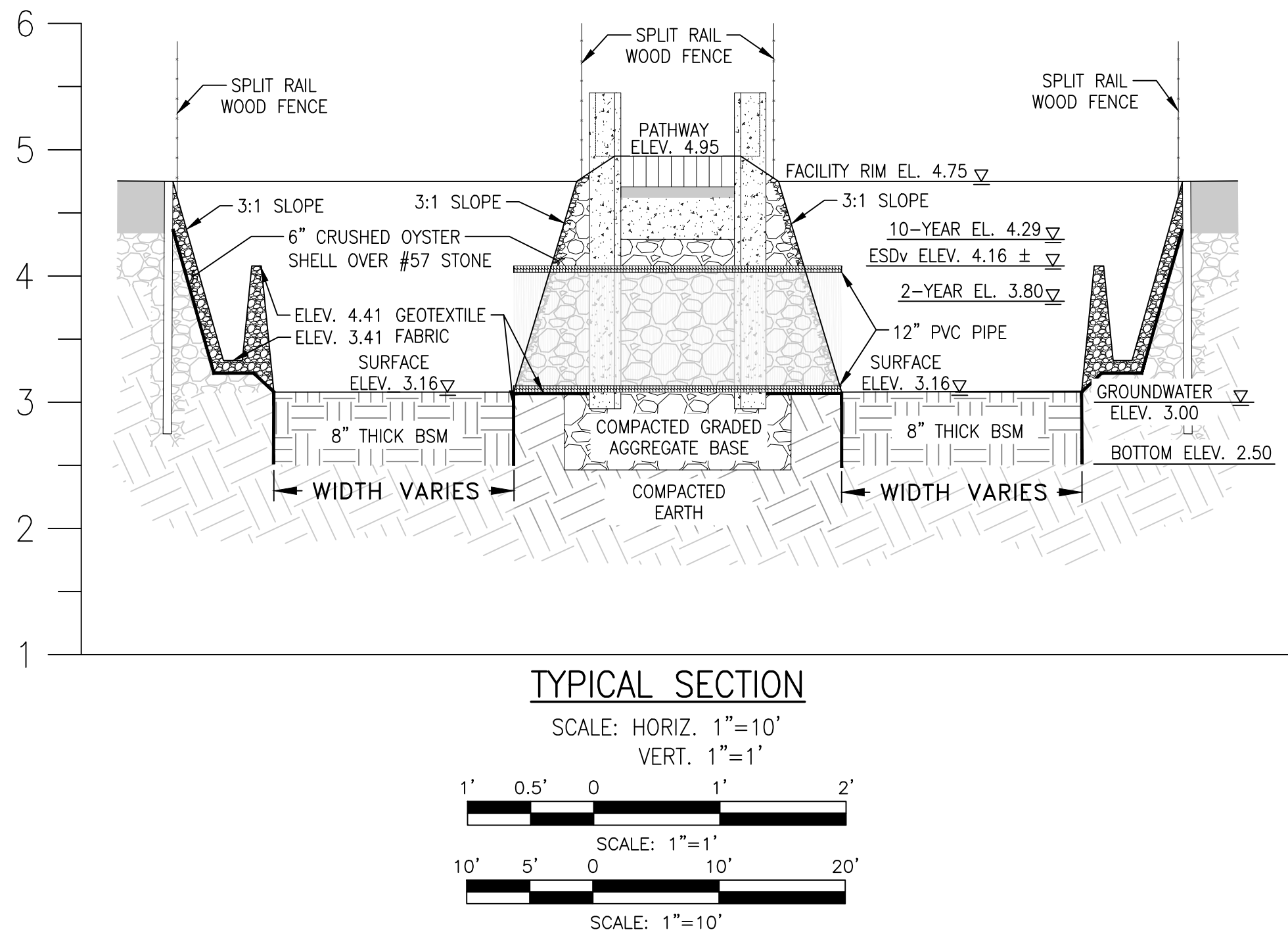
MDE # 23-SF-0033



MODIFIED SUBMERGED GRAVEL
WETLANDS FACILITY DRAINAGE AREA
SCALE: 1"=30'



MODIFIED SUBMERGED GRAVEL
WETLANDS FACILITY ENLARGEMENT
SCALE: 1"=10'



FACILITY DESIGN TABLE

PROJECT NAME: ASSATEAGUE STATE PARK RANGERS STATION		
AS-BUILT DATA FOR SUBMERGED GRAVEL WETLAND FACILITY		
*TO BE COMPLETED BY THE PROJECT CONTRACTOR		
BMP ID: SGW-1		
FEATURE	DESIGN	*AS-BUILT
ESD BMP TYPE	SUBMERGED GRAVEL WETLANDS	
FACILITY SURFACE AREA (SF)	2,756 SF	
FACILITY BOTTOM ELEVATION	ELEV. 2.50	
BSM PLANTING MEDIA DEPTH/ELEV. BOTTOM	0"-8" THICK, ELEV. 2.50	
TOP OF BSM/SURFACE ELEVATION	ELEV. 3.16	
PRE-TREATMENT ELEVATION	ELEV. 3.41	
PONDING VOLUME AT ESDV ELEV.	4,046 CF	
IMPERVIOUS AREA DRAINING TO FACILITY	62,290 SF (1.43 Ac.)	

DATE AS-BUILT ACCEPTED BY MDE: _____

FACILITIES BEING CERTIFIED:

SUBMERGED GRAVEL WETLANDS 1 (SGW-1)

"CERTIFY" MEANS TO STATE OR DECLARE A PROFESSIONAL OPINION BASED ON SUFFICIENT AND APPROPRIATE ONSITE INSPECTIONS AND MATERIAL TESTS CONDUCTED DURING CONSTRUCTION.

AS-BUILT CERTIFICATION

I hereby certify that the facility shown on this plan was constructed as shown on the "AS-BUILT" plans and meets the approved plans and specifications.

Signature _____ P.E. No. _____

Print Name _____ Date _____

STORM WATER MANAGEMENT AS-BUILT NOTE:

THE CONTRACTOR MUST SUPPLY ALL OF THE FOLLOWING INFORMATION DURING AND AFTER THE CONSTRUCTION OF THE SWM SYSTEM. ALL REQUIRED DOCUMENTS SHALL BE SUBMITTED WITHIN NINETY (90) DAYS OF THE DATE OF SUBSTANTIAL COMPLETION AS ACCEPTED BY THE OWNER:

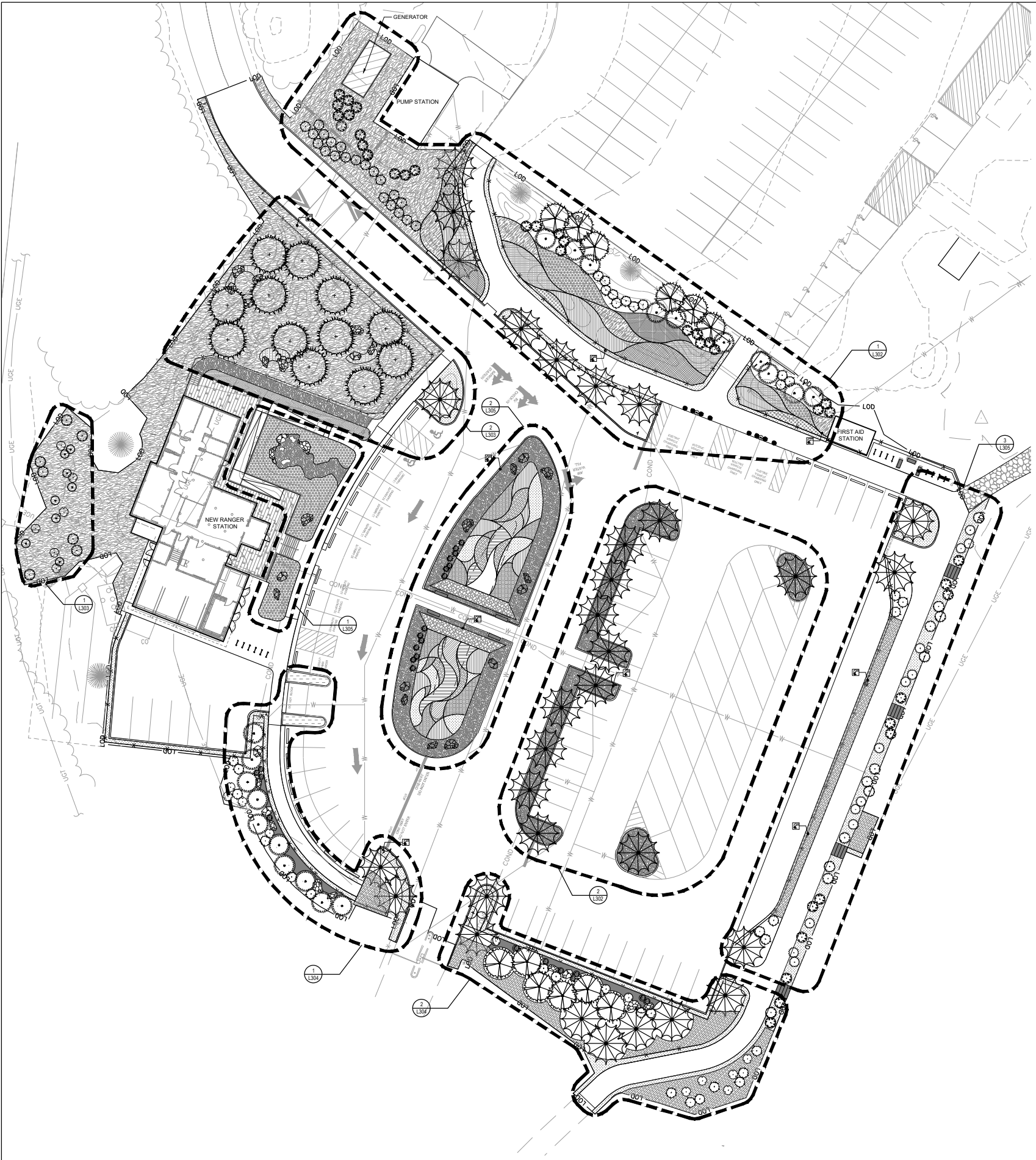
- AS-BUILT TOPOGRAPHIC SURVEY BASED ON THE SAME DATUM AND BENCHMARKS AS THE ORIGINAL SURVEY USED IN DESIGN. THE AS-BUILT SURVEY SHALL SHOW THE FOLLOWING:
 - SIZE, ELEVATIONS AND GRADES OF EXCAVATION FOR BMP(S).
 - SURFACE ELEVATIONS AND GRADES FOR EACH LAYER OF DIFFERENT MATERIAL IN THE BMP(S).
 - INVERT ELEVATIONS OF ALL UNDERDRAINS, STORM PIPES, AND APPURTENANT STRUCTURES IN THE BMP(S).
 - SURFACE ELEVATIONS AND SPOT GRADES OF THE COMPLETED BMP(S) IN LOCATIONS TO MATCH THE APPROVED SWM PLANS AND DETAILS.
- MATERIAL TICKETS FOR ALL MATERIALS USED IN CONSTRUCTION OF THE BMP(S).
- PHOTOGRAPHS OF CRITICAL INSPECTIONS INCLUDING, BUT NOT LIMITED TO:
 - PHOTOS OF EACH LAYER OF DIFFERENT MATERIAL IN THE BMP(S).
 - PHOTOS OF PLACEMENT OF ALL UNDERDRAINS, STORM PIPING, AND APPURTENANT STRUCTURES IN THE BMP(S).
 - PHOTOS OF THE COMPLETED BMP(S) INCLUDING ALL STABILIZATION AND LANDSCAPING.
- MANUFACTURER'S COMMISSIONING REPORT.

4. COMPLETED AS-BUILT TABLES WITH THE INSPECTORS INITIALS IN ORIGINAL HANDWRITING - SEE SWM SHEETS FOR REQUIRED INFORMATION.

FACILITY BORING LOG

FACILITY MAINTENANCE SCHEDULE

										Log of Boring SWM-3									
PROJECT: Assateague State Park Registration Building										PROJECT LOCATION: Berlin, MD									
PROJECT NUMBER: F2005										GROUNDWATER OBSERVATIONS									
DATE STARTED: 6/24/22										Event									
DATE COMPLETED: 6/24/22										Date									
LOGGED BY: K. Hulse										Time									
CHECKED BY: K. Hulse, P.E.										Depth (ft)									
DRAWING CONTRACTOR: Hulse & Hulse, Inc.										Cover (ft)									
BPT NUMBER: 3-24"										Inconsistency									
BORING DEPTH: 4.0'										Completion									
DRILL LOG: Geoprobe 7820T										after									
DRILLER: Hulse										Registration									
SURFACE LOCATION: S-3										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									
										N/A									



PLANT SCHEDULE						
SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	QTY	REMARKS
TREES						
	JE	Juniperus virginiana / Eastern Redcedar	6'-8' Ht.	B&B	12	
	PT	Pinus taeda / Loblolly Pine	12'-14' Ht.	B&B	32	Must be limbed up to 6 ft. min.
	PV	Pinus virginiana / Virginia Pine	12'-14' Ht.	B&B	12	
SHRUBS						
	BH	Baccharis halimifolia / Groundsel Bush	#5	Cont.	38	
	HM	Hibiscus moscheutos / Rose Mallow	#5	Cont.	8	
	IF	Iva frutescens / Marsh Elder	#5	Cont.	19	
	MC	Morella cerifera / Wax Myrtle	#5	Cont.	13	
	MP	Myrica pensylvanica / Northern Bayberry	#5	Cont.	54	
	PM	Prunus maritima / Beach Plum	#5	Cont.	19	
	RT	Rhus typhina / Staghorn Sumac	#7	Cont.	20	
	YI	Yucca filamentosa 'Ivory Tower' / Ivory Tower Adam's Needle	#5	Cont.	25	

SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	SPACING	QTY	REMARKS
GROUND COVERS							
	AC2	Aquilegia canadensis / Eastern Columbine	#1	Cont.	12" o.c.	164	Specific to Pine grove
	AT	Asclepias tuberosa / Butterfly Milkweed	#1	Cont.	18" o.c.	358	
	BT	Baptisia tinctoria / Yellow Wild Indigo	#SP4	Cont.	24" o.c.	75	
	CE	Cakile edentula / American Searocket	#1	Cont.	12" o.c.	183	
	IV	Iris versicolor / Blue Flag	#1	Cont.	18" o.c.	168	
	JE2	Juncus effusus / Soft Rush	#1	Cont.	18" o.c.	162	
	KW	Kosteletzkya pentacarpos / Seashore Mallow	#1	Cont.	36" o.c.	72	
	OF	Oenothera fruticosa / Sundrops	#1	Cont.	18" o.c.	337	
	PR	Panicum virgatum 'Rotstrahnbusch' / Rotstrahnbush Red Switch Grass	#1	Cont.	30" o.c.	603	
	RV	Rudbeckia fulgida fulgida / Orange Coneflower	#1	Cont.	18" o.c.	240	
	SM	Senna marilandica / Maryland Senna	#1	Cont.	30" o.c.	47	
	SN	Symphoricarpon novae-angliae / New England Aster	#1	Cont.	18" o.c.	517	
	SO	Sedum telephium / Stonecrop	#1	Cont.	18" o.c.	134	
	SS	Solidago sempervirens / Seaside Goldenrod	#1	Cont.	30" o.c.	363	
	ST	Sedum ternatum / Wild Stonecrop	#1	Cont.	12" o.c.	607	
	US	Uniola paniculata / Sea Oats	#1	Cont.	30" o.c.	66	
	ZA	Zizia aurea / Golden Alexander	#SP4	Cont.	12" o.c.	3,706	

LEGEND

— LOD — LIMIT OF DISTURBANCE

CRUSHED OYSTER SHELLS

PINE STRAW MULCH

BOULDERS, LANDSCAPE ARCHITECT TO POSITION IN FIELD.
SMALL: 5'X3'X20" ±1.5 TON (50% OF TOTAL QUANTITY)
MEDIUM: 6'X4'X24" ±2.0 TON (50% OF TOTAL QUANTITY)

HOSE BIBB. SEE CIVIL DWGS. FOR PRECISE LOCATIONS.

SPLIT RAIL FENCE. SEE CIVIL DWGS.

- PLANTING NOTES:**
- THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR AND EQUIPMENT TO COMPLETE ALL LANDSCAPE WORK AS SHOWN ON THE PLANS AND SPECIFICATIONS.
 - ALL PLANT MATERIALS SHALL CONFORM TO THE SIZES GIVEN IN THE PLANT LIST AND SHALL BE NURSERY GROWN IN ACCORDANCE WITH THE "AMERICAN STANDARD FOR NURSERY STOCK," LATEST EDITION. ANY PLANT MATERIAL EXHIBITING A SPINDLY OR LOP-SIDED HABIT OR ANY OTHER FEATURE THAT DETRACTS FROM ITS HEALTH OR APPEARANCE WILL BE REJECTED.
 - ALL PLANTING SHALL BE IN ACCORDANCE WITH STANDARD AMERICAN ASSOCIATION OF NURSERYMEN PROCEDURES AND SPECIFICATIONS.
 - CONTRACTOR SHALL VERIFY THE CORRECT LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE LANDSCAPED AREA PRIOR TO INSTALLATION OF ANY PLANT MATERIAL. IF CONDITIONS ARISE IN THE FIELD WHICH NECESSITATES SHIFTING OF THE PLANT MATERIAL, THE LANDSCAPE ARCHITECT IS TO BE CONSULTED PRIOR TO RELOCATION.
 - OBTAIN WRITTEN APPROVAL FROM LANDSCAPE ARCHITECT BEFORE MAKING ANY SUBSTITUTIONS OR CHANGES.
 - ALL PLANT BEDS AND TREE PITS SHALL HAVE A GRANULAR PRE-EMERGENT WEED CONTROL APPLIED PER MANUFACTURER'S RECOMMENDATIONS PRIOR TO MULCHING.
 - PRECAUTIONS SHALL BE TAKEN TO AVOID DAMAGE TO EXISTING PLANTS, TURF AND STRUCTURES. ANY DAMAGED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITIONS. ALL AREAS DISTURBED BY PLANTING OR GRADING OPERATIONS SHALL BE FINE GRADED AND SEEDED OR SOODED. ALL DEBRIS AND WASTE MATERIAL RESULTING FROM PLANTING OPERATIONS SHALL BE REMOVED FROM THE PROJECT AND CLEANED UP. PLACE PLANTS FOR BEST APPEARANCE FOR REVIEW AND FINAL ORIENTATION BY LANDSCAPE ARCHITECT.
 - ALL PLANT BEDS SHALL BE CONTAINED WITH A 4" DEEP SPACED EDGE UNLESS OTHERWISE NOTED ON DRAWINGS.
 - ALL PLANT BEDS AND PLANTING AREAS TO BE MULCHED TO A DEPTH OF 3" UNLESS OTHERWISE NOTED ON DRAWINGS OR SPECIFICATIONS.



300 East Joppa Road, Suite 200
Baltimore, MD 21286
410.512.4500 www.transystems.com

TRANSYSTEMS

CIVIL & STRUCTURAL ENGINEER:
CARROLL ENGINEERING, INC.
215 SCHILLING CIRCLE, STE 102
HUNT VALLEY, MD 21031
PHONE: 410-785-7423
FAX: 410-771-1313

MEP ENGINEER:
MIN ENGINEERING, INC.
10 SUDBROOK LN
PIKESVILLE, MD 210208
PHONE: 410-486-4692
FAX: 410-486-0452

LANDSCAPE ARCHITECT:
MAHAN RYKIEL ASSOCIATES INC
3300 CLIPPER MILL RD, STE 200
BALTIMORE, MD 21211
PHONE: 410-235-6001

DEPARTMENT OF
NATURAL RESOURCES

RANGER STATION AT
ASSATEAGUE STATE PARK

6915 STEPHEN
DECATUR HIGHWAY
BERLIN, MD 21811
WORCESTER COUNTY

DGS PROJECT #: P-054-210-102

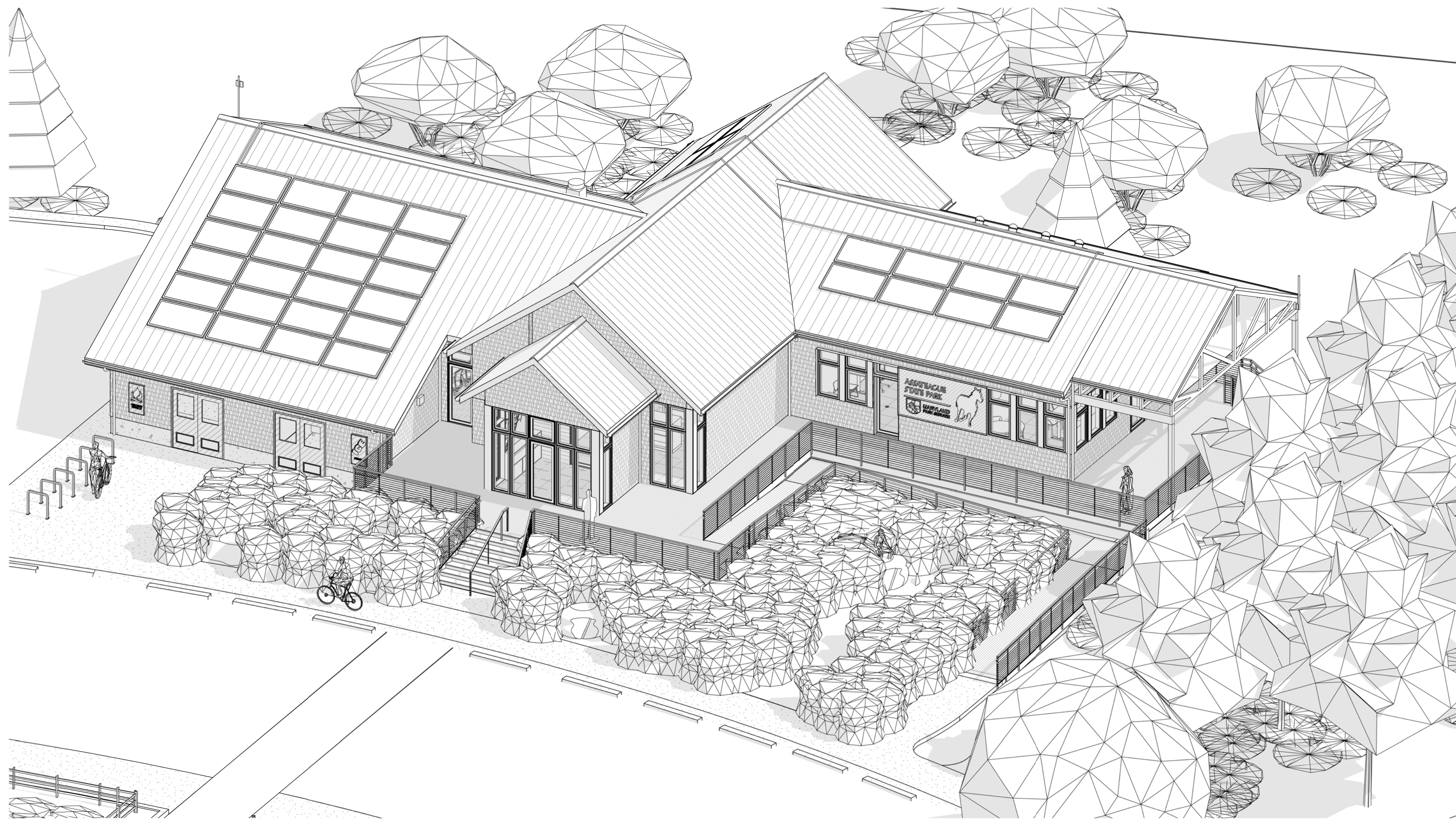
USING AGENCY APPROVAL

Name	Date	
Title		
DGS APPROVAL		
Project Manager	Date	
Chief of PM&D:	Date	
MARK	DATE	DESCRIPTION
CAD DWG FILE:		
S:\21 Projects\21013 Assateague Island Ranger Station\MAH03.DWG		
DRAWN BY: ---		
CHK'D BY: ---		
PROJECT #: 21013		
DATE: 05/16/2025		

PLANTING PLAN

L301

SHEET 4 OF 9



300 East Joppa Road, Suite 200
Baltimore, MD 21286
512.4500 www.transystems.com

TRANSYSTEMS

CIVIL & STRUCTURAL ENGINEER:
CARROLL ENGINEERING, INC.
215 SCHILLING CIRCLE, STE 102
HUNT VALLEY, MD 21031
PHONE: 410-785-7423
FAX: 410-771-1313

MEP ENGINEER:
MIN ENGINEERING, INC.
10 SADBROOK LN
PIKESVILLE, MD 21208
PHONE: 410-486-4692
FAX: 410-486-0452

LANDSCAPE ARCHITECT:
MAHAN RYKIEL ASSOCIATES INC
3300 CLIPPER MILL RD, STE 200
BALTIMORE, MD 21211
PHONE: 410-235-6001

Professional Certification: I certify that these documents were prepared or approved by me, and that I am a duly licensed architect under the laws of the state of Maryland.

License Number 15613, Expiration Date 11/26/2026.

DEPARTMENT OF
NATURAL RESOURCES

RANGER STATION AT
ASSATEAGUE STATE
PARK

6915 STEPHEN
DECATUR HIGHWAY
BERLIN, MD 21811
WORCESTER COUNTY

USING AGENCY APPROVAL

Name	Date
------	------

Title	DGS APPROVAL
-------	--------------

Project Manager	Date
-----------------	------

Chief of PM&D:	Date
----------------	------

MARK	DATE	DESCRIPTION
------	------	-------------

CAD DWG FILE:
Autodesk
Docs\IDGSAssateagueSPRegistrationBldgRangerStation\A720240061

DRAWN BY: JMM/ADM/BA

CHK'D BY: JMM

PROJECT #: A720240081

DATE: 05/16/2025

EXTERIOR PERSPECTIVES

A901

SHEET _____ OF 120

05/16/2025 - 95% SUBMISSION
NOT FOR CONSTRUCTION