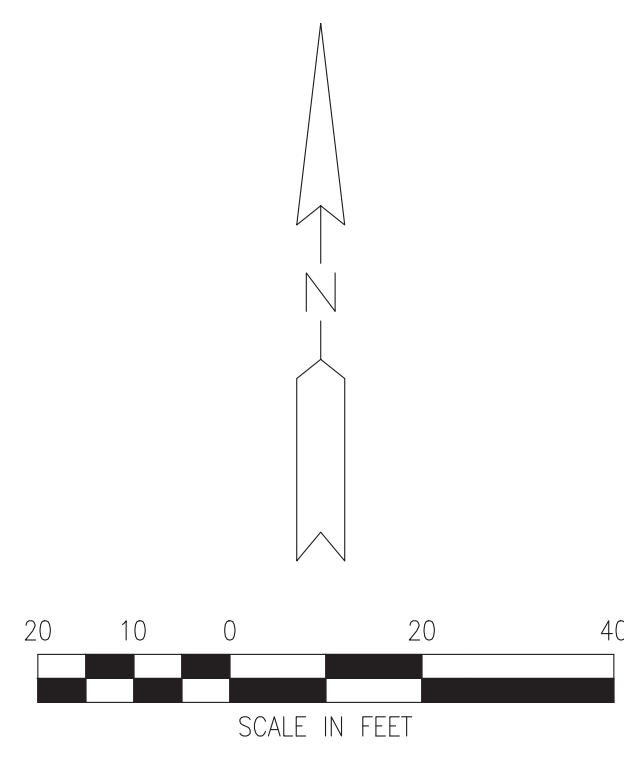
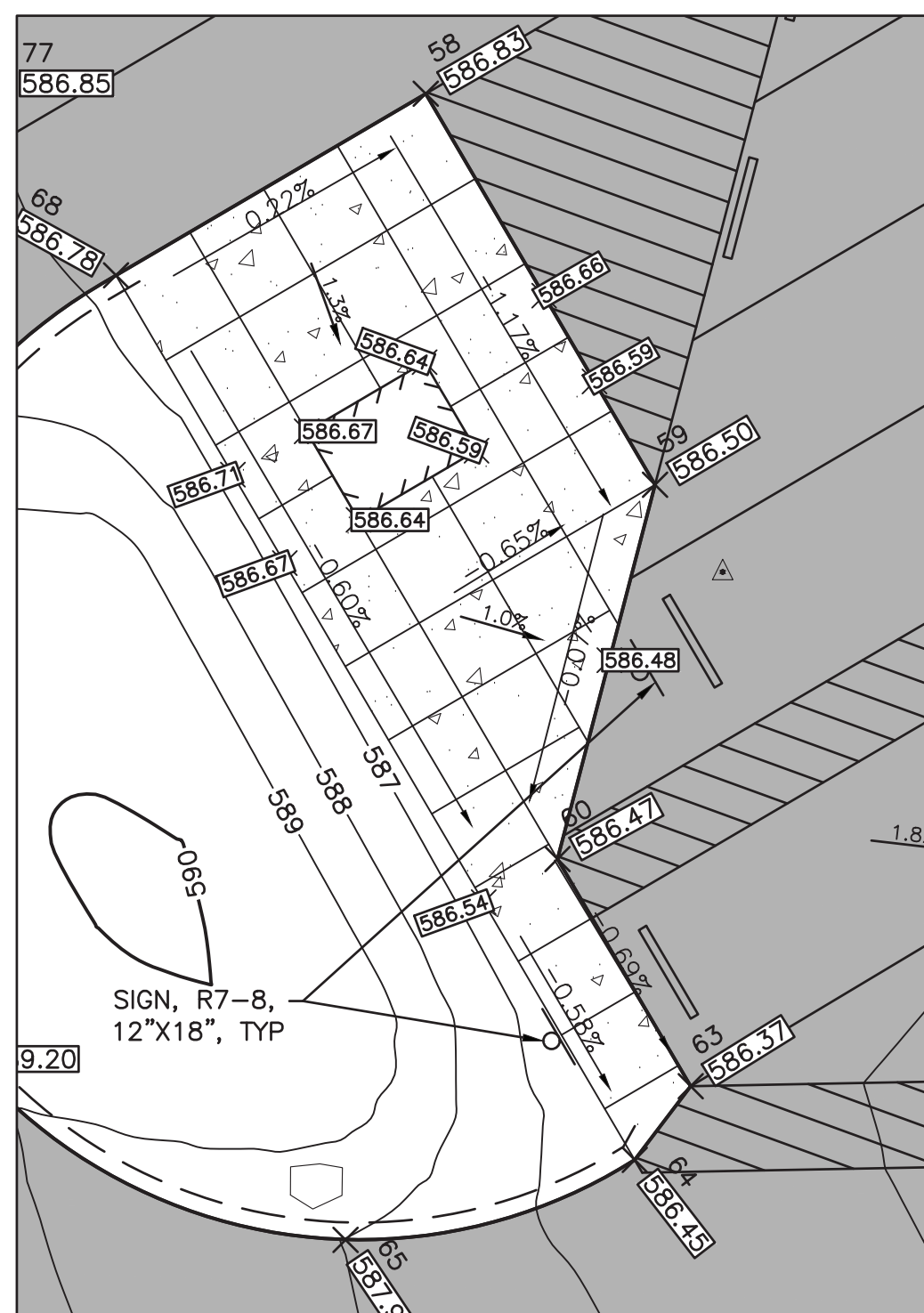
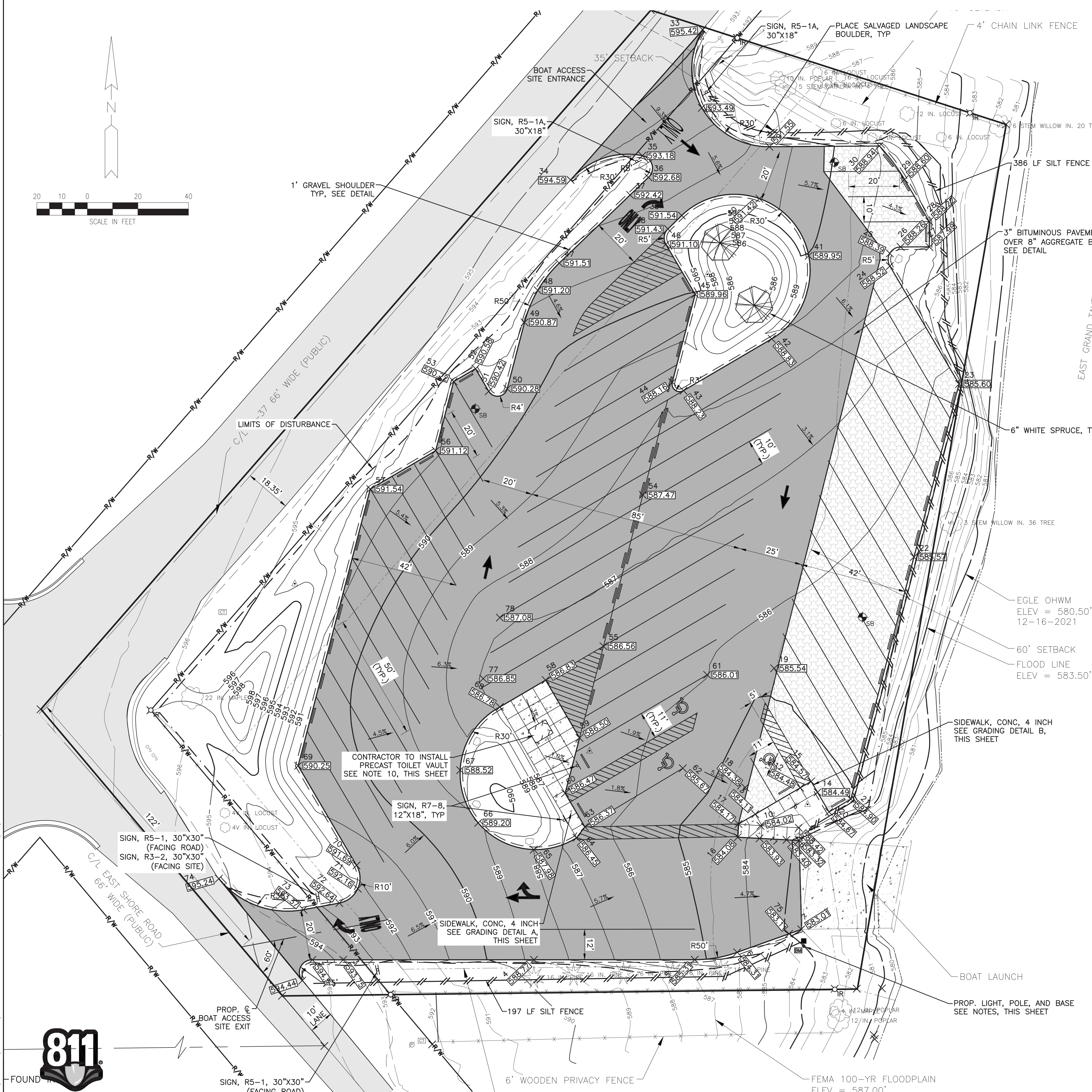


BM 7
SPIKE IN POWER POLE
ELEVATION = 584.73

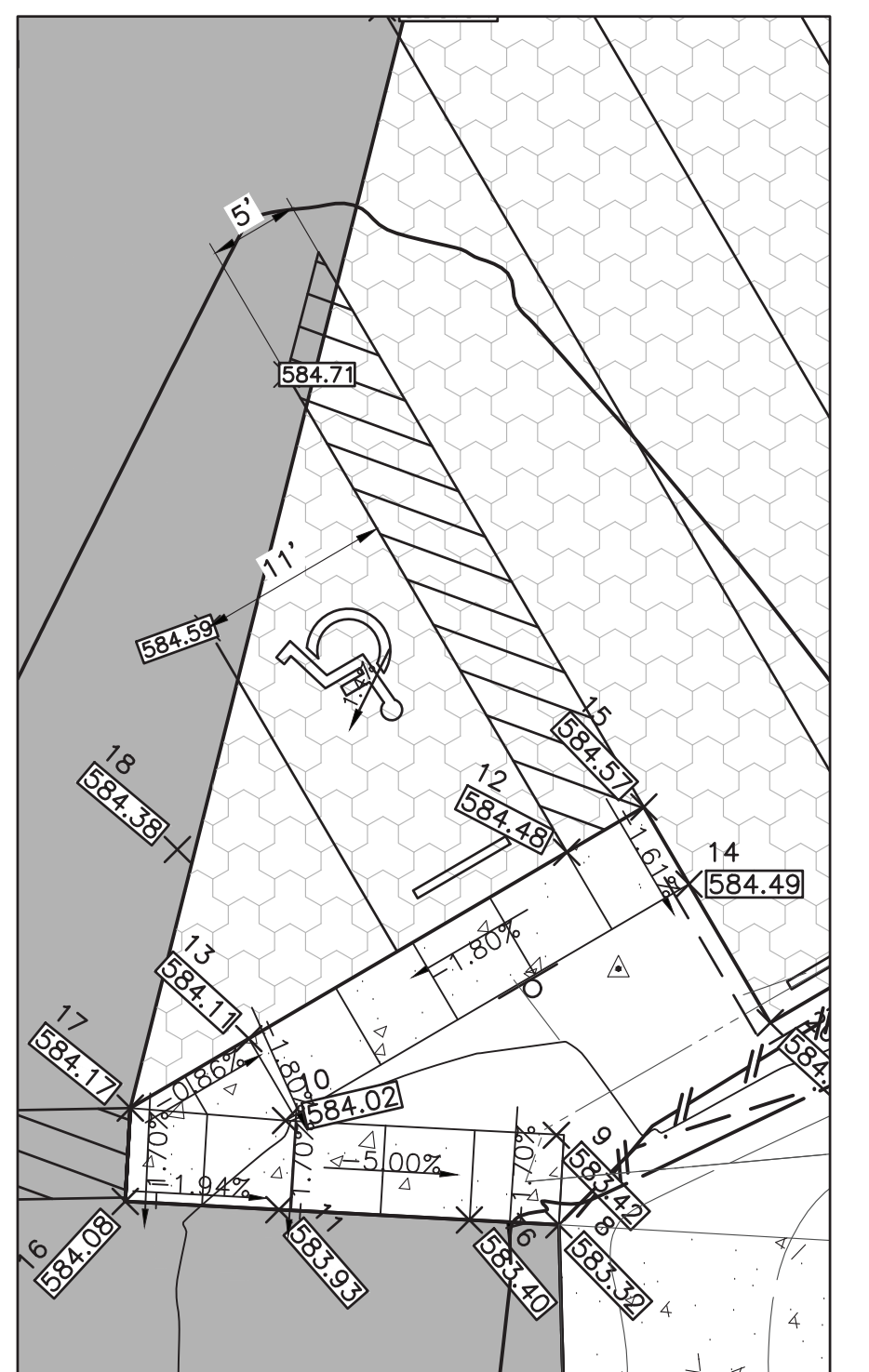


NOTES:

- CONTRACTOR WILL BE RESPONSIBLE FOR CONSTRUCTION LAYOUT AND STAKING.
- CONTRACTOR SHALL PROVIDE PUBLIC ACCESS TO AND USE OF THE SITE AT ALL TIMES DURING THE PROJECT.
- ALL EXISTING ITEMS THAT ARE TO BE REMOVED, SALVAGED AND RE-INSTALLED ARE CONSIDERED INCIDENTAL TO THE PROJECT.
- ANY EXISTING UNDERGROUND INFRASTRUCTURE THAT IS DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR WILL TAKE CARE TO CONSTRUCT THE PROPOSED SIDEWALK TO THE ELEVATIONS AND SLOPES SHOWN. THESE AREAS ARE CRITICAL FOR MEETING ADA COMPLIANCE. SIDEWALK THAT IS INSTALLED NOT MEETING ADA COMPLIANCE WILL BE REMOVED AND RECONSTRUCTED AT CONTRACTORS EXPENSE.
- ALL AREAS DISTURBED BY CONSTRUCTION OUTSIDE OF THE ASPHALT AND CONCRETE SIDEWALK SHALL BE RESTORED WITH 3" OF TOPSOIL, SEED AND MULCH. PAID FOR AS "TURF ESTABLISHMENT, MODIFIED".
- IF ANY ARTIFACTS ARE DISCOVERED DURING THE CONSTRUCTION PROCESS ALL WORK IS TO STOP AND THE OWNER'S REPRESENTATIVE / PROJECT MANAGER SHALL BE NOTIFIED. ARTIFACTS OR ARCHAEOLOGICAL MATERIALS ARE DEFINED AS: ABORIGINAL ANTIQUITIES AND OTHER RECORDS ON ANTIQUITY, INCLUDING MOUNDS, MINES, EARTHWORKS, VILLAGE SITES, CAMP SITES, HUMAN OR OTHER BONES, SHELLS, STONE IMPLEMENTS, BONE OR COPPER IMPLEMENTS, POTTERY OR SHARD OF POTTERY, OR OTHER OBJECTS RELATING TO NATIVE AMERICAN OCCUPATION; AND MORE MODERN ARTIFACTS, SUCH AS FORTS, RELICS AND OTHER ARTIFACTS RELATING TO THE HISTORIC, COLONIAL, TERRITORIAL, AND EARLY STATEHOOD PERIODS.
- ALL PARKING LOT PAVEMENT MARKING PERTAINING TO ADA SPACES SHALL UTILIZE BLUE PAINT. THE REMAINDER SHALL BE WHITE.
- ALL ITEMS OF WORK FOR THIS PROJECT WILL BE PAID FOR AS A SINGLE "LUMP SUM" PRICE. CONTRACTOR IS TO INCLUDE ALL PROJECT COSTS WITHIN THIS PROJECT PAY ITEM.
- VAULT PRIVY:
 - CONTRACTOR TO INSTALL BATHROOM VAULT IN ACCORDANCE WITH LOCAL HEALTH DEPARTMENT STANDARDS.
 - CONTRACTOR TO FURNISH AND INSTALL PRECAST VAULT AND LID THAT MEETS THE REQUIREMENTS OF THE MDNR-PROVIDED VAULT PRIVY BUILDING. LOWER PORTION OF VAULT TO BE PRECAST 1,250 GAL. SEPTIC TANK SOURCED FROM TEAM ELMER'S. PRECAST LID TO BE SOURCED FROM THE CONCRETE SERVICE.
 - OWNER TO FURNISH AND INSTALL VAULT TOILET BUILDING ENCLOSURE.
- CONTRACTOR IS TO SECURE THE MDOT WORK IN RIGHT-OF-WAY PERMIT AND GRAND TRAVERSE COUNTY ROAD COMMISSION WORK IN RIGHT-OF-WAY PERMIT.
- AREA OF DISTURBANCE = 1.63 ACRES
- TOTAL SITE AREA = 1.91 ACRES
- ANTICIPATED PROJECT SCHEDULE:
 - APRIL 2025: INSTALL SESC MEASURES
COMPLETE REMOVAL PLAN
SITE GRADING
INSTALL VAULT TOILET
 - MAY 2025: CONCRETE PAVING
INSTALL PERMEABLE PAVERS
HMA PAVING
MISCELLANEOUS IMPROVEMENTS
CLEANUP AND RESTORATION
 - JUNE 2025: REMOVE SESC MEASURES
- PROPOSED LIGHT, POLE, AND BASE SHALL BE:
 - LIGHT: LITHONIA D-SERIES SIZE 0 AREA LUMINAIRE P3 PERFORMANCE PACKAGE 3000K CCTT 70 CRI TYPE 3
 - POLE: SSS 14 4C DM19AS DBLXD
 - BASE: INSTALL PER MANUFACTURER'S REQUIREMENTS.
 - MAXIMUM HEIGHT OF LIGHT ABOVE FINISH GRADE AT THE BASE OF THE POLE SHALL NOT EXCEED 15 FEET.



GRADING DETAIL A
SCALE: 1"=10'



GRADING DETAIL B
SCALE: 1"=10'

STORMWATER DATA:

- GROUNDWATER ELEVATION: ±583.17'
- EXISTING CONDITIONS:
- IMPERVIOUS AREA = 4,499 SYD
 - STORAGE VOLUME = 0 CFT
- PROPOSED SITE:
- IMPERVIOUS AREA = 5,317 SYD
 - STORAGE VOLUME:
 - DETENTION BASIN = 1,980 CFT
 - PERMEABLE PAVERS = 3,324 CFT
 - TOTAL VOLUME = 5,304 CFT

PLAN DATE: 11/27/2024



MICHIGAN DEPARTMENT OF NATURAL RESOURCES
PARKS AND RECREATION DIVISION
P.O. BOX 30257, LANSING, MI 48909
EAST ARM BOATING ACCESS SITE
HMA PAVING AND SITE IMPROVEMENTS
SITE PLAN

ISSUED FOR:	DATE:	BY:
90% REVIEW PERMITS	2/8/22	BCS
LARA REVIEW	12/21/22	GAB
	11/21/23	GAB
	11/27/24	GAB

JOB NO. DMB2040-01C

SHEET 5 OF 5

PROJECT MANAGER: Brian C. Souza, PE
C:\PW_WORK\GEOGRAPHY\01198549\CSP-PLTS-SITEPLAN-EAST ARM.DWG - 5 - PLOTTED 11/27/2024 2:38 PM BY: BOGART, GARTH



BY: _____
DESCRIPTION: _____
DATE: _____
REV# _____