EXISTING ZONING: COMMERCIAL, C-3

- PREMISES ADDRESS: XXXX SYKESVILLE RD, ELDERSBURG, MD 21784
- TOTAL AREA OF SITE / LIMIT OF CONSTRUCTION: 1.367 ACRES
- TOTAL DISTURBED AREA: 59,578 S.F. / 1.367 AC. ±
- THE PROPERTY SHOWN HEREON IS OWNED BY AJCET RESTORATION SERVICES BY DEED DATED 03/31/1988,
- RECORDED AMONG THE LAND RECORDS OF CARROLL COUNTY LIBER 10874, FOLIO 170.
- TAX MAP: 73 BLOCK: II PARCEL: 613 PLAT REFERENCE: 23/20

TOPOGRAPHY SHOWN HEREON IS FIELD RUN, DATED 07/07/2025, AND PREPARED BY ADDOCK \$ ASSOCIATES, LLC.

- 3. SYKESVILLE ROAD MD ROUTE 32 POSTED SPEED: 40 MPH DESIGN SPEED: 50 MPH
- PARKING TABULATIONS:

SELF STORAGE FACILITY (WITHOUT DRIVEWAY ACCESS) I SPACE FOR EVERY IO STORAGE BAYS

PLUS 2 FOR EMPLOYEE PARKING AND 3 FOR CUSTOMER PARKING AT THE BUSINESS OFFICE.

REDUCING THE NUMBER OF REQUIRED SPACES TO 11.

694 / 10 = 70 + 2 + 3 = 75* * A PARKING VARIANCE (CASE #ZA-22 | 5 WAS GRANTED BY CARROLL COUNTY ON 7/23/2025)

I PER 25 SPACES REQUIRED

PARKING PROVIDED: 12 SPACES (11 STANDARD, 1 HANDICAP)

DIMENSIONAL REQUIREMENTS MIN. LOT AREA: 12,000 SF LOT WIDTH: 100 FT MIN. FRONT SETBACK: 10 FT

REAR SETBACK: 15 FT

BOARD OF ZONING APPEALS CASE NUMBER

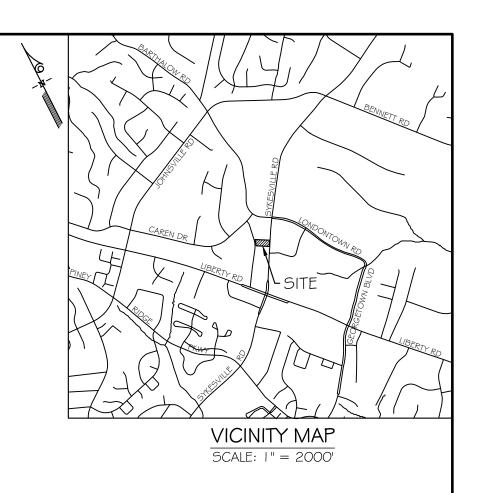
10.1 ZA-2215: ADMINISTRATIVE ADJUSTMENT OF REQUIRED PARKING FROM 75 SPACES TO 11 SPACES, GRANTED ON JULY 23,2025.

- LOCATION OF THE NEAREST WATER SUPPLY FOR WATER PROTECTION: 340' SOUTHEAST ON EAST SIDE OF ROUTE
- THE LOCATION OF THE EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION, AND DEPTH OF ANY EXISTING UTILITIES AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
- 3. THE CONTRACTOR SHALL CALL "MISS UTILITY" AT 1-800-257-7777 THREE WORKING PRIOR TO BEGINNING ANY WORK IN THE VICINITY OF EXISTING UTILITIES.
- THE CONTRACTOR SHALL NOTE THAT IN CASE OF A DISCREPANCY BETWEEN THE SCALED AND FIGURED DIMENSIONS SHOWN ON THESE PLANS, THE FIGURED DIMENSIONS SHALL GOVERN.
- THIS SITE PLAN SHALL BECOME VOID EIGHTEEN MONTHS AFTER THE DATE OF APPROVAL IF NO BUILDING PERMIT OR ZONING CERTIFICATE HAS BEEN ISSUED FOR THIS PROJECT, UNLESS AN EXTENSION OF THIS TIME LIMIT IS ISSUED BUT THE DIRECTOR OF THE DEPARTMENT OF PLANNING

- CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITIONS OF THE FOLLOWING, INCLUDING ALL ADDENDA, SUPPLEMENTS OR UPDATES:
- DESIGN MANUAL VOLUME ONE ROADS AND STORM DRAINS, 1994 EDITION, OF THE CARROLL COUNTY
- DESIGN GUIDE FOR FLEXIBLE PAVEMENT, 2004, OF THE CARROLL COUNTY DEPARTMENT OF PUBLIC WORKS. BOOK OF STANDARDS, HIGHWAY AND INCIDENTAL STRUCTURES OF THE MARYLAND DEPARTMENT OF
- TRANSPORTATION, STATE HIGHWAY ADMINISTRATION. STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, 2008 EDITION, OF THE MARYLAND
- DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION. MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MDMUTCD) 2009 EDITION OF THE MARYLAND DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION.
- MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, 1994 EDITION, PUBLISHED JOINTLY BY WATER RESOURCES ADMINISTRATION, SOIL CONSERVATION SERVICE AND STATE SOIL CONSERVATION COMMITTEE.
- THE CONTRACTOR SHALL NOTIFY THE CARROLL COUNTY DEPARTMENT OF PUBLIC WORKS, CONSTRUCTION INSPECTION DIVISION (410-386-2157) A MINIMUM OF THREE (3) WORKING DAYS BEFORE BEGINNING WORK.
- CONTRACTOR SHALL FURNISH. PLACE AND MAINTAIN TRAFFIC CONTROL MEASURES AS SHOWN IN THESE PLANS AND AS SPECIFIED IN THE MDMUTCD. CONTRACTOR SHALL IMMEDIATELY REMOVE AND REPLACE DEVICES WHICH ARE DAMAGED, DO NOT FUNCTION PROPERLY, OR ARE DETERMINED BY CONSTRUCTION INSPECTOR TO BE UNSUITABLE FOR THEIR PURPOSE. TRAFFIC CONTROL DEVICES MAY BE REMOVED ONLY UPON APPROVAL OF CONSTRUCTION INSPECTOR.
- IF, DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHOULD ENCOUNTER POSSIBLE CONFLICTS WITH UTILITIES, HE SHALL IMMEDIATELY NOTIFY THE TOWN MANAGER AND THE OWNER OF THE UTILITY AND TAKE ALL NECESSARY AND PROPER STEPS TO PROTECT THE CONTINUANCE OF SERVICE, EITHER ABOVE OR BELOW GROUND, HE SHALL HAVE SUCH UTILITY RESTORED TO CONDITION EQUAL TO THAT WHICH EXISTED PRIOR TO THE DAMAGE
- IF FOR ANY REASON PROPOSED FACILITIES CANNOT BE CONSTRUCTED IN ACCORDANCE WITH APPROVED PLANS, CONTRACTOR MUST IMMEDIATELY INFORM CONSTRUCTION INSPECTOR OR CONSTRUCTION INSPECTION DIVISION (410-386-2157) AND SHALL NOT BEGIN OR CONTINUE WORK ON THOSE ITEMS. IF THE DEPARTMENT OF PUBLIC WORKS DETERMINES PLAN REVISIONS ARE NECESSARY. NO WORK SHALL BE PERFORMED ON THE ITEM(S) IN QUESTION UNTIL REVISED PLANS ISSUED BY THE DESIGN ENGINEER ARE APPROVED AND ISSUED FOR CONSTRUCTION BY THE BUREAU OF DEVELOPMENT REVIEW.
- FAILURE TO MENTION SPECIFICALLY THE PROVISION OF ANY ITEM(S), OR PERFORMANCE OF ANY WORK OR PROCEDURE WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT, SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PROVIDE SUCH ITEM(S) OR TO PERFORM SUCH WORK OR PROCEDURE.
- CONSTRUCT EARTH FILLS FOR ROADS, EMBANKMENTS, AND STRUCTURES IN ACCORDANCE WITH SECTION 204 EMBANKMENT AND SUBGRADE OF THE MD SHA STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS. COMPACT THE MATERIAL THAT IS I FOOT BELOW THE TOP OF SUBGRADE TO AT LEAST 92.0% OF MAXIMUM DRY DENSITY USING AASHTO T-180 METHOD. COMPACTION OF TOP ONE FOOT OF FILL SHALL NOT BE LESS THAN 97.0% OF MAXIMUM DRY DENSITY USING THE SAME METHOD.
- DEVELOPER IS RESPONSIBLE FOR PROVIDING SOIL, BASE AGGREGATE AND HOT MIX ASPHALT COMPACTION TESTING. A CERTIFIED TECHNICIAN MUST BE ONSITE AT ALL TIMES DURING FILL OPERATIONS. COMPACTION TESTS MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MARYLAND. COPIES OF SOIL COMPACTION TEST RESULTS MUST BE PROVIDED TO, AND APPROVED BY, THE CONSTRUCTION INSPECTION DIVISION PRIOR TO PLACEMENT OF CURBS AND/OR BASE AGGREGATE. COPIES OF BASE AGGREGATE COMPACTION TEST RESULTS MUST BE PROVIDED TO, AND APPROVED BY, THE CONSTRUCTION INSPECTION DIVISION PRIOR TO PLACEMENT OF BASE HOT MIX ASPHALT.
- INLET GRATES IN SUMPS SHALL BE CONSTRUCTED LEVEL AT ELEVATION GIVEN IN STRUCTURE SCHEDULE. INLETS ON GRADE SHALL BE ADJUSTED SO THAT SLOPE OF GRATE MATCHES FINISHED FLOW LINE OF CURB. TOP ELEVATION SHALL APPLY TO CENTERLINE OF GRATE AT FLOW LINE OF CURB. CROSS SLOPE OF THE GRATE SHALL MATCH THE ROAD CROSS SLOPE.
- PIPE ELEVATIONS SHOWN ON STORM DRAIN PROFILES ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED.
- WHERE DITCH OR WATERWAY STABILIZATION MATTING OF ANY TYPE IS SPECIFIED, INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. MATTING SHALL BE PLACED ON BOTTOM AND SIDE SLOPES TO PROVIDE EITHER I.O' STABILIZED DEPTH, UNLESS OTHERWISE INDICATED ON PLANS.
- ALL EXISTING PAVING DISTURBED BY UTILITY CUTS SHALL BE REPLACED IN ACCORDANCE WITH CARROLL COUNTY STANDARD PLATE 47, OPTION I OR OPTION 3 IN THE DESIGN MANUAL, VOLUME I OR AS NOTED IN THE UTILITY
- 3. ONCE BEGUN, ROAD CONSTRUCTION SHALL BE CONTINUED UNTIL FULL DEPTH OF AGGREGATE BASE AND PAVING AS SHOWN ON THE TYPICAL SECTION ARE PLACED, INCLUDING THE FINISHED SURFACE COURSE. AGGREGATE BASE COURSE AND HOT MIX ASPHALT BASE COURSE SHALL NOT REMAIN UNCOVERED FOR MORE THAN FIVE WORKING
- 4. OFF-SITE BORROW MATERIAL TO BE IMPORTED FOR EMBANKMENT CONSTRUCTION AND SUPPORT OF PAVEMENT IS TO MEET THE MINIMUM SUBGRADE SOIL SPECIFICATIONS IN TABLE 3 OF THE DESIGN GUIDE FOR FLEXIBLE PAVEMENTS. CBR TESTING OF OFF-SITE BORROW MATERIAL SHALL BE COMPLETED AND THE TEST RESULTS SUBMITTED TO AND APPROVED BY THE BUREAU OF DEVELOPMENT REVIEW PRIOR TO DELIVERY OF THE MATERIAL THE PAVING DESIGN SECTIONS SHOWN ON THE APPROVED PLANS SHALL BE REVIEWED AND EVALUATED USING THE CBR TESTING RESULTS OF THE BORROW MATERIAL. ANY CHANGES TO THE PAVEMENT DESIGN SECTIONS BASED ON THE CBR TEST RESULTS SHALL BE INCORPORATED THROUGH THE RED-LINE REVISION PROCESS.
- THE DESIGN EQUIVALENT SINGLE AXLE LOADS (ESAL) AND THE DESIGN CBR VALUE SHALL BE NOTED ON THE
- PERMANENT SIGNAGE AND STRIPING SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR SHALL NOTIFY THE TOWN OF SYKESVILLE PUBLIC WORKS AT 4 | 0-386-2 | 64 A MINIMUM OF THREE (3) WEEKS PRIOR TO STARTING WORK TO CONFIRM PROPOSED LOCATIONS AND THEN AGAIN 48 HOURS PRIOR TO COMPLETION OF WORK TO CONFIRM PROPER FURNISHING AND INSTALLATION.
- CONSTRUCTION VEHICLES, CONTRACTOR OR PRIVATE, OR CONSTRUCTION MATERIALS OR EQUIPMENT SHALL NOT BE PARKED, PLACED, OR STORED WITHIN ANY PUBLIC RIGHT-OF-WAY.
- TIER II WATERS ARE ABSENT FROM THIS SITE.

ELDERSBURG CROSSROAD SELF STORAGE

XXXX SYKESVILLE RD, ELDERSBURG, MD 21784 TAX MAP - 73, GRID - 11, PARCEL - 613, LOT - TR CR



BENCHMARK DATA

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERRED TO THE SYSTEM OF COORDINATES ESTABLISHED IN THE MARYLAND COORDINATE SYSTEM REFERENCE SYSTEM CONTROL STATIONS PROVIDED BY THE NATIONAL GEODETIC SURVEY:

1,327,091.25 AB4739 1.325.841.13 JV6067

ELEVATIONS SHOW HEREON A REFERRED TO THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88) WITH THE LOCAL REFERENCE TO THE FOLLOWING NATIONAL SPATIAL REFERENCE SYSTEM BENCHMARK PROVIDED BY THE NATIONAL GEODETIC SURVEY:

ELEVATION (SFT.) ROYAL AZ MK 543.54 ELDER

ROYAL AZ MK IS A 10 IN DIAMETER CONCRETE MONUMENT SET FLUSH WITH THE GROUND. IT IS 92.8 (28.3 M) SOUTHEAST OF THE CENTERLINE OF MD ROUTE 32, 67 FT (20.4 M)NORTHEAST OF THE CENTERLINE OF THE ENTRANCE ROAD AND 5.5 FT (1.7 M)SOUTHEAST OF THE SOUTHEAST END OF A BRICK SIGN FOR THE BUSINESS

ELDER IS IN A WOODED TRACT. OPPOSITE A HOUSE ON THE E SIDE OF THE ROAD. 26 FEET W OF THE CENTER OF THE ROAD, I I FEET W OF A FENCE LINE, AND 67 FEET N BY W OF TRANSFORMER POLE NO.58414. IT IS STAMPED ELDER 1943 AND PROJECTS 4 INCHES.

EXISTING CONDITIONS PLAN SITE / GRADING PLAN SITE DETAILS BUILDING ELEVATIONS EROSION & SEDIMENT CONTROL PLAN EROSION AND SEDIMENT CONTROL NOTES EROSION AND SEDIMENT CONTROL DETAILS SWM - STORM TRAP PLAN C-11 SWM - STORM TRAP DETAILS SWM - EXISTING CONDITIONS MAP SWM - ESD TRACT MAP C-13 DRAINAGE AREA MAPS C-14 LANDSCAPE PLAN

C-15

LIGHTING PLAN

FOREST STAND DELINEATION PLAN

OWNER / DEVELOPER I CERTIFY THAT THIS PLAN WILL BE IMPLEMENTED TO THE FULLEST EXTENT, AND ALL STRUCTURES WILL BE INSTALLED TO THE DESIGN AND SPECIFICATIONS AS SPELLED OUT IN THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN CONSTRUCTION PROJECT WILL HAVE A CERTIFICATION OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING HIS PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE EVALUATION BY THE CARROLL SOIL CONSERVATION DISTRICT PERSONNEL AND COOPERATING AGENCIES.

November 21, 2025

AJCET RESTORATION SERVICES 2206 SKYLARK DRIVE WESTMINSTER, MD 2115

BARTHOLOW ROAD LLC C/O BAREFOOT LAND CO. 4324 NW LOTH ST CAPE CORAL, FL 33993 MASON NEWBERRY

KCI TECHNOLOGIES 936 RIDGEBROOK ROAD SPARKS, MD 21152 MATTHEW SICHEL (410)316 - 7894(404) 317 - 9063

TITLE SHEET **ELDERSBURG CROSSROADS** SELF STORAGE XXXX SYKESVILLE RD, ELDERSBURG, MD 21784

RAWING NO. EET OI OF 17

00049505 5TH ELECTION DISTRICT

EX. FIRE HYDRANT

DEVELOPER'S / LANDOWNER'S CERTIFICATION

E HEREBY CERTIFY THAT ALL PROPOSED WORK SHOWN ON THESE

WE HEREBY CERTIFY I HAT ALL PROPOSED WORK SHOWN ON THESE CONSTRUCTION DRAWINGS WILL BE CONDUCTED IN STRICT ICCORDANCE WITH THESE PLANS. IWE ALSO UNDERSTAND THAT IT IS MY/OUR RESPONSIBILITY TO HAVE THE CONSTRUCTION SUPERVISED IND CERTIFIED, INCLUDING THE SUBMITTAL OF AS-BUILT PLANS CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER OR ROFESSIONAL LAND SURVEYOR WITHIN 30 DAYS OF COMPLETION OF VORK ON THE STORMWATER MANAGEMENT FACILITIES WILL BE INSPECTED.

HAT THESE STORMWATER MANAGEMENT FACILITIES WILL BE INSPECTED URING CONSTRUCTION BY A REGISTERED PROFESSIONAL ENGINEER IN COORDANCE WITH PAGES 136-139 OF CHAPTER 136 OF THE

ENGINEER'S DESIGN CERTIFICATION

HEREBY CERTIFY THAT THESE PLANS HAVE BEEN DESIGNED ACCORDING C CHAPTER 136 OF THE WESTMINSTER CITY CODE, ENTITLED

November 21, 2025

Brady MwDonald

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. 28935 EXPIRATION DATE: 1/15/27

(MD ROUTE 32)

EX. FIRE HYDRANT

DESIGNED TO THE STANDARDS AND SPECIFICATIONS ADOPTED BY THE CARROLL COUNTY SOIL CONSERVATION DISTRICT. ENGINEER DATE

I CERTIFY THAT THIS PLAN OF SEDIMENT CONTROL IS DESIGNED WITH

MY PERSONAL KNOWLEDGE OF THE SITE CONDITION AND HAS BEEN

PLAN FOR WATER AND SEWER. REVISIONS 11/24/2025 DATE DESCRIPTION AS SHOWN CONSTRUCTION MANAGERS Sparks, Maryland 21152 TELEPHONE: (410) 316-7800 TECHNOLOGIES Fax: (410) 316-7818

CARROLL COUNTY

DATE

SOIL CONSERVATION DISTRICT

THE DEVELOPMENT PLAN IS APPROVED FOR EROSION AND

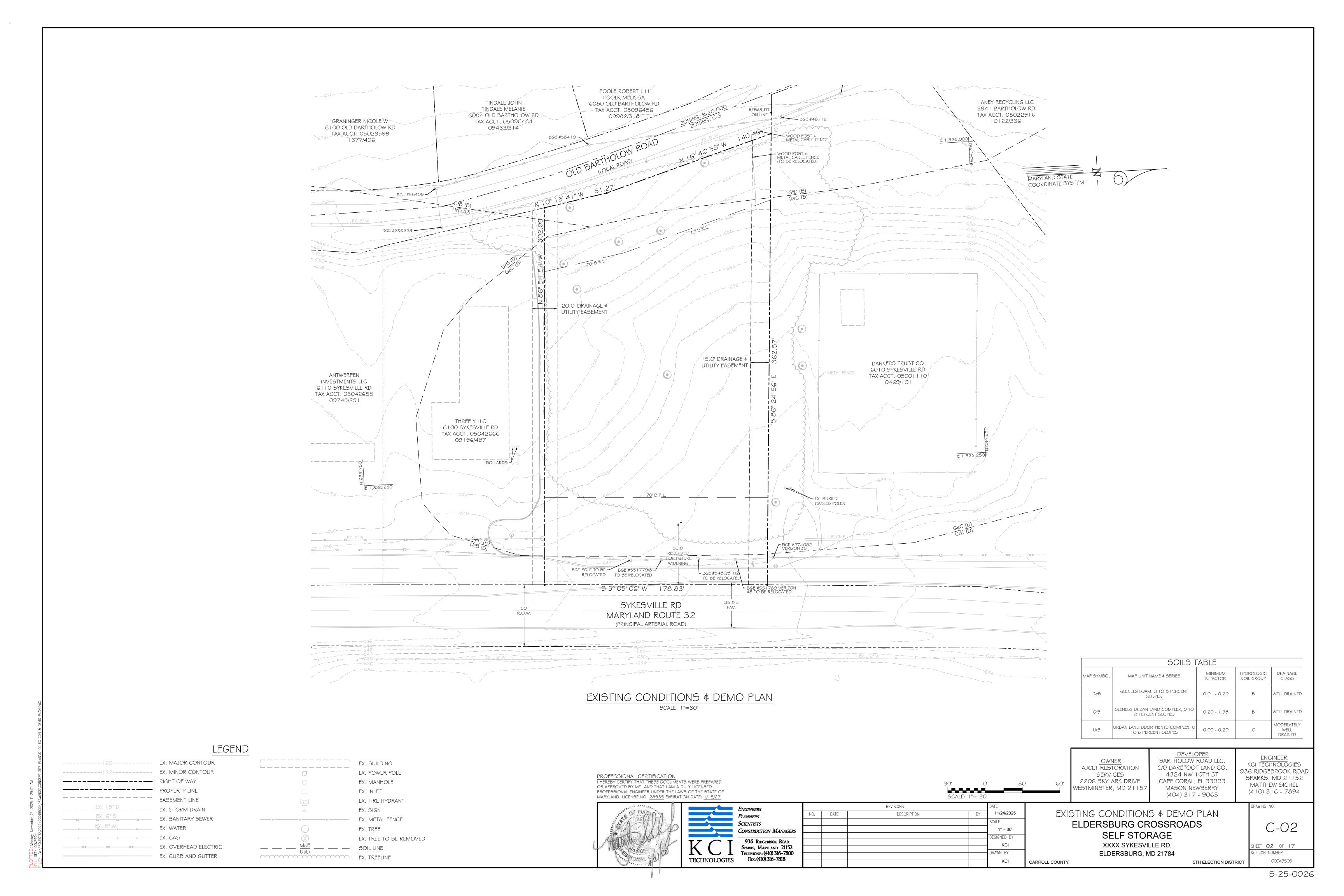
SEDIMENT CONTROL BY THE SOIL CONSERVATION DISTRICT.

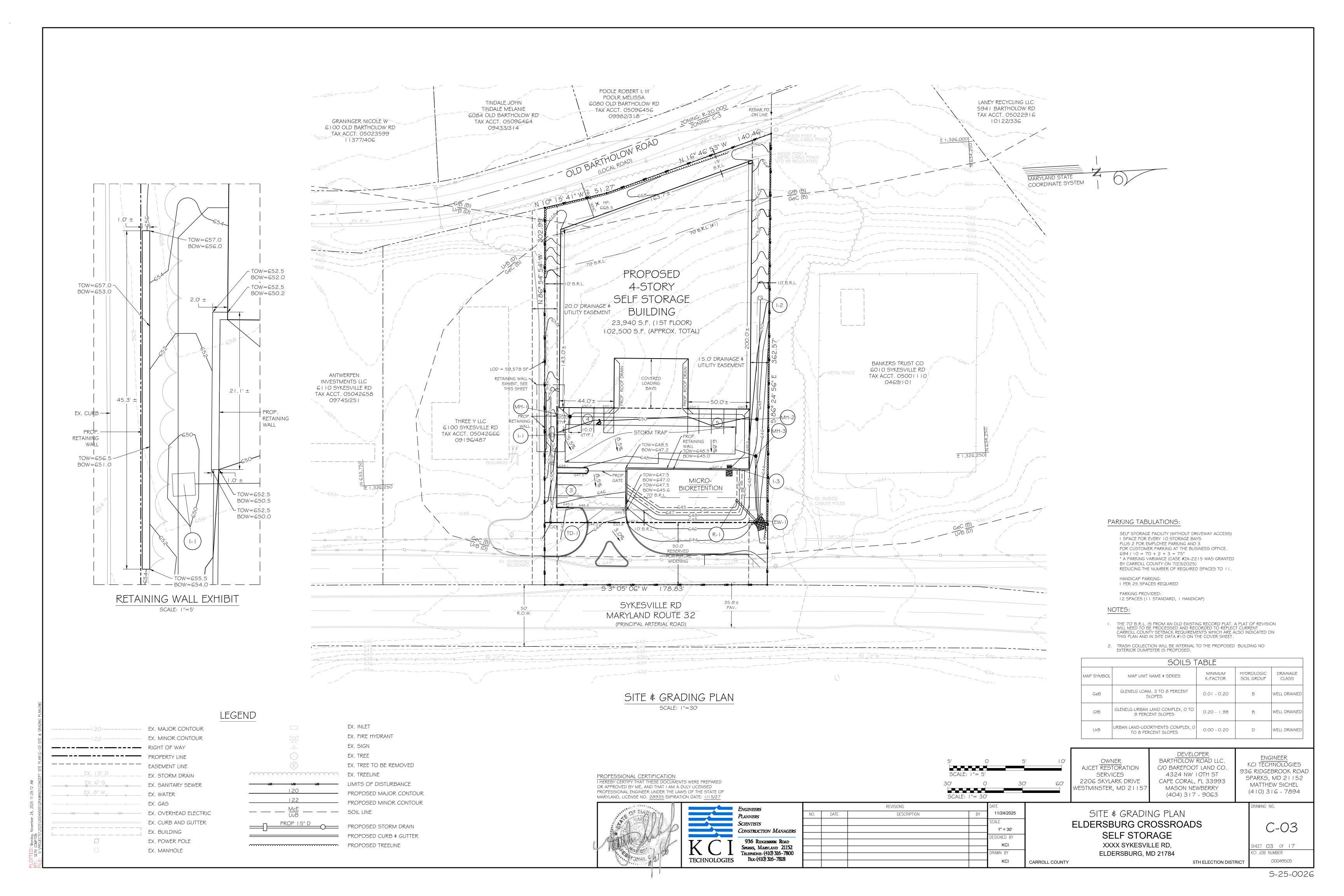
CARROLL COUNTY HEALTH DEPARTMENT

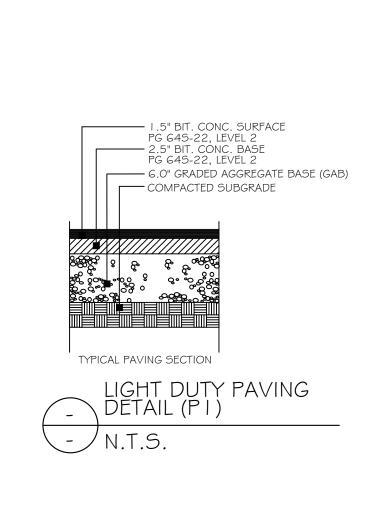
COMMUNITY WATER AND / OR SEWERAGE SYSTEMS ARE

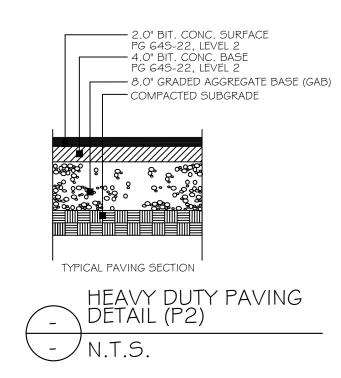
IN CONFORMANCE WITH THE CARROLL COUNTY MASTER

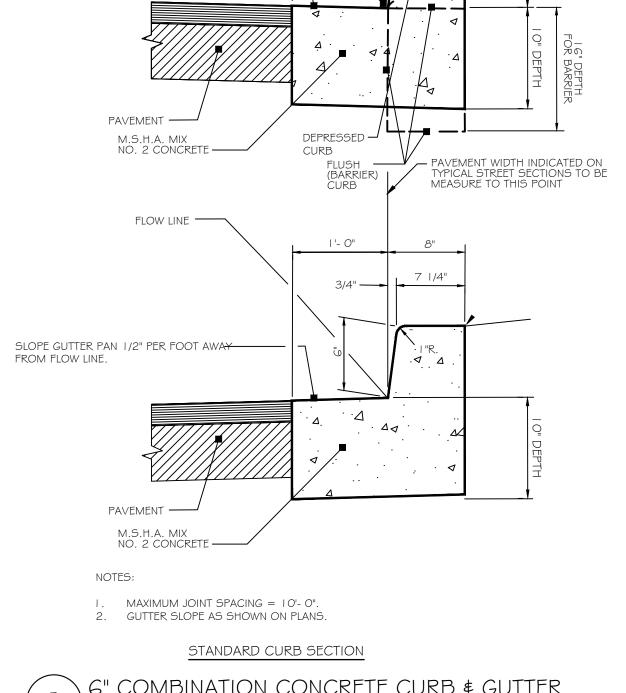
5-25-0026











I'- O"

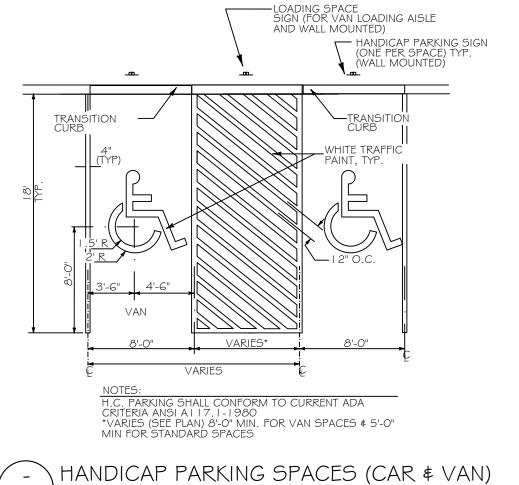
- I" RADIUS ONLY WHERE SIDEWALK ABUTS CURB

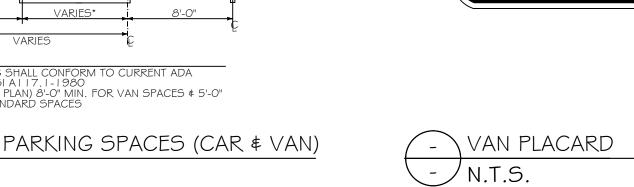
PAVEMENT WIDTH INDICATED ON — TYPICAL STREET SECTIONS TO BE MEASURE TO THIS POINT

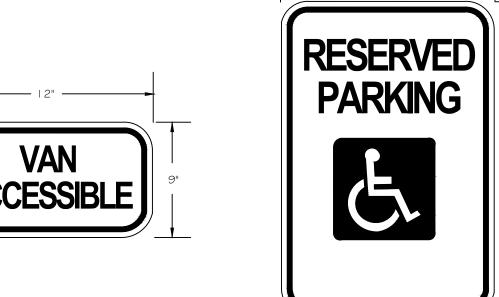
FLOW LINE -

SLOPE GUTTER PAN 1/2" PER FOOT —— TOWARD FLOW LINE.

6" COMBINATION CONCRETE CURB & GUTTER







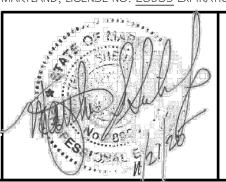
RESERVED PARKING SIGN - HANDICAPPED / N.T.S.



NO PARKING SIGN @ VAN ACCESS AISLE - N.T.S.

PROFESSIONAL CERTIFICATION 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. 28935 EXPIRATION DATE: 1/15/27

<u>-</u>√ N.T.S.







REVISIONS 11/24/2025 DATE DESCRIPTION AS SHOWN ESIGNED BY KCI KCI

OWNER AJCET RESTORATION SERVICES 2206 SKYLARK DRIVE WESTMINSTER, MD 21157 (404) 317 - 9063

SITE DETAILS

ELDERSBURG CROSSROADS

SELF STORAGE

XXXX SYKESVILLE RD,

DEVELOPER ENGINEER BARTHOLOW ROAD LLC. C/O BAREFOOT LAND CO. 4324 NW LOTH ST CAPE CORAL, FL 33993 MASON NEWBERRY

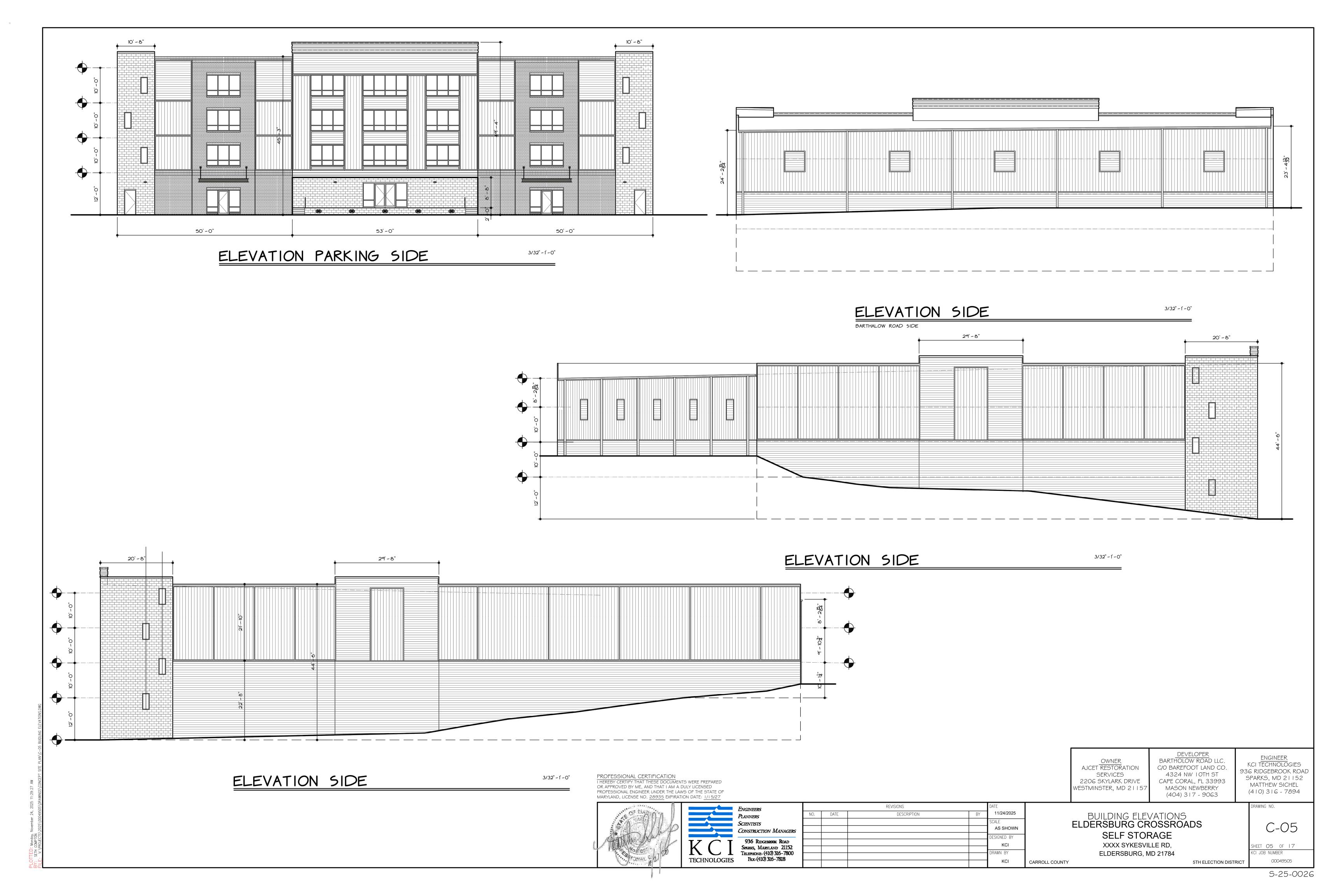
KCI TECHNOLOGIES 936 RIDGEBROOK ROAD SPARKS, MD 21152 MATTHEW SICHEL (410) 316 - 7894

DRAWING NO. C-04

HEET 04 OF 17 CI JOB NUMBER 00049505 5TH ELECTION DISTRICT

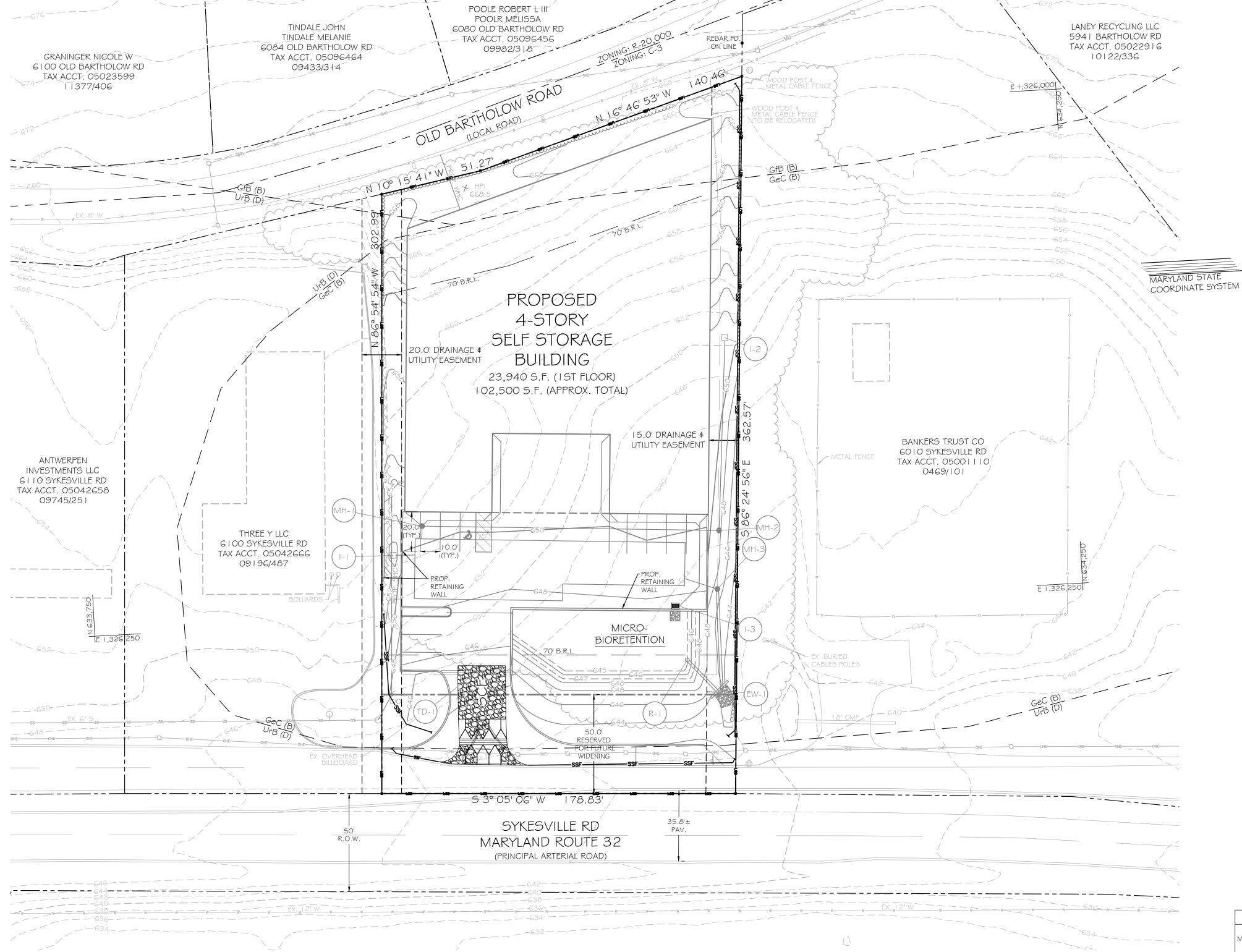
ELDERSBURG, MD 21784 CARROLL COUNTY

S-25-0026



SEDIMENT AND EROSION CONTROL NOTES

- I. ALL EROSION /SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION IN ASSOCIATION WITH THE NATURAL RESOURCES CONSERVATION SERVICE AND THE MARYLAND ASSOCIATION OF SOIL CONSERVATION DISTRICTS (REFERENCED AS THE 2011 STANDARDS AND SPECS).
- 2. AREAS THAT HAVE BEEN CLEARED AND/OR GRADED, BUT WILL NOT BE CONSTRUCTED ON OR PERMANENTLY VEGETATED FOR MORE THAN 7 DAYS (3 DAYS FOR SEDIMENT CONTROL MEASURES AND FOR STEEP SLOPES) MUST BE STABILIZED WITH MULCH OR TEMPORARY STABILIZATION. ANY AREA THAT ARE IN TEMPORARY VEGETATION FOR OVER 6 MONTHS WILL NEED TO BE PERMANENTLY
- 3. FOR SPECIFICATIONS ON PERMANENT OR TEMPORARY STABILIZATION, SEE B-4-4 AND B-4-5.
- 4. MULCHING ONLY IS RESTRICTED TO USE ON DISTURBED AREAS AS A TEMPORARY COVER WHERE VEGETATION IS NOT FEASIBLE OR WHERE SEEDING GERMINATION CANNOT BE COMPLETED BECAUSE OF WEATHER CONDITIONS. FOR SPECIFICATIONS SEE B-4-3, A. I.B.
- 5. FOR SPECIFICATIONS ON THE STABILIZATION OF CUT AND FILL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL, SEE INCREMENTAL STABILIZATION B-4-1.
- 6. THE EXISTING TOPSOIL FROM ON OR OFF SITE THAT IS USED MUST MEET THE MINIMUM SPECIFICATION IN B-4-2.
- 7. THE REQUIRED SEQUENCE OF CONSTRUCTION MUST BE FOLLOWED DURING SITE DEVELOPMENT. ANY CHANGES IN THE SEQUENCE OF CONSTRUCTION MUST BE APPROVED BY THE SOIL CONSERVATION DISTRICT.
- 8. ANY REVISIONS TO SEDIMENT CONTROL PLAN, NOT COVERED UNDER THE LIST OF PLAN MODIFICATIONS THAT CAN BE APPROVED BY THE SEDIMENT CONTROL INSPECTOR, NEED TO BE SUBMITTED TO THE SOIL CONSERVATION DISTRICT FOR
- 9. NO PROPOSED SLOPE THAT IS REQUIRED TO BE SEEDED AND/OR MULCHED SHALL BE STEEPER THAN 2:1. SLOPES STEEPER THAN 2:! SHALL REQUIRE A ENGINEERED DESIGNED FOR STABILIZATION.
- 10. ALL SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED ONCE A WEEK AND AFTER EACH RAINFALL AND WILL BE REPAIRED, AS NEEDED SO THAT THE STRUCTURE MEETS THE MINIMUM SPECIFICATIONS AS SHOWN IN THE 2011 STANDARDS AND SPECS.
- II. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEDIMENT AND EROSION CONTROL MEASURES UNTIL THE DISTURBED AREAS ARE PERMANENTLY STABILIZED.
- 12. THE DISTRICT APPROVAL FOR THIS SEDIMENT CONTROL PLAN IS GOOD FOR 2 YEARS. AT THE END OF 2 YEARS, IF CONSTRUCTION OF THE PLAN HAS NOT STARTED, THE PLAN WILL NEED TO BE RESUBMITTED TO THE SOIL CONSERVATION DISTRICT FOR REVIEW AND RE-APPROVAL. ANY PLANS THAT ARE CURRENTLY UNDER CONSTRUCTION AFTER 2 YEARS MAY BE REQUIRED TO BE RESUBMITTED TO THE SOIL CONSERVATION DISTRICT BY THE SEDIMENT CONTROL INSPECTOR.



CONCEPT EROSION & SEDIMENT CONTROL PLAN SCALE: | "=30"

L.O.D. = 59,578.24 S.F. / 1.37 AC.±

SOILS TABLE				
MAP SYMBOL	MAP UNIT NAME \$ SERIES	MINIMUM K-FACTOR	HYDROLOGIC SOIL GROUP	DRAINAGE CLASS
GeB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	0.01 - 0.20	В	WELL DRAINED
GfB	GLENELG-URBAN LAND COMPLEX, O TO 8 PERCENT SLOPES	0.20 - 1.98	В	WELL DRAINED
UrB	URBAN LAND-UDORTHENTS COMPLEX, O TO 8 PERCENT SLOPES	0.00 - 0.20	D	WELL DRAINED

BARTHOLOW ROAD LLC

C/O BAREFOOT LAND CO.

4324 NW LOTH ST

CAPE CORAL, FL 33993

MASON NEWBERRY

(404) 317 - 9063

CONCEPTUAL SEQUENCE OF

CONSTRUCTION

I. CONTACT THE CARROLL COUNTY SEDIMENT CONTROL INSPECTOR (1-410-386-2210) 24 HOURS PRIOR TO DOING ANYTHING ON THE SITE TO SET UP A PRE-CONSTRUCTION MEETING AND TO MAKE

SURE ALL LOCAL ORDINANACE ITEMS HAVE BEEN SATISFIED.

3.CLEAR AND GRUB FOR PERIMENTER ESC MEASURES ONLY AND

6.REMOVE PERIMETER ESC MEASURES, SEED AND STABILIZE

PRIOR TO REMOVING ANY SEDIMENT CONTROL MEASURES.

5. WHEN ALL FINAL PAVING IS COMPLETE AND GRADING IS SEEDED AND

7. CONTACT THE CARROLL COUNTY SEDIMENT CONTROL INSPECTOR

APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR IS REQUIRED.

CARROLL SOIL CONSERVATION DISTRICT

The Development Plan is approved for Soil Erosion and

OWNER/DEVELOPER

I certify that this plan of Soil Erosion & Sediment

all structures will be installed to the design and

project will have a certification of attendance at a

Department of the Environment approved training program for the control of soil erosion and sediment

District personnel and cooperating agencies.

Control will be implemented to the fullest extent, and

specifications as spelled out in this plan and that any

responsible personnel involved in construction of this

before beginning the project. I also authorize periodic on-site evaluation by the Carroll Soil Conservation

ENGINEER

I certify that this plan of Sediment Control is designed

with my personal knowledge of the site condition and

has been designed to the Standards and Specifications adopted by the Carroll Soil Conservation District.

Carroll S.C.D./Date

Date

. Engineer/Date

Sediment Control by the Carroll Soil Conservation

2. INSTALL STONE CONSTRUCTION ENTRANCE.

4. CONTINUE WITH REMAINING CONSTRUCTION.

INSTALL SUPER SILT FENCE.

District.

Approved_

Developer

Printed Name of Developer

Developer Company Name

Developer Phone Number

STABILIZED,

DISTURBED AREA.

AJCET RESTORATION SERVICES 2206 SKYLARK DRIVE HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED VESTMINSTER, MD 2115 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF

MARYLAND, LICENSE NO. 28935 EXPIRATION DATE: 1/15/27





REVISIONS DESCRIPTION CARROLL COUNTY

CONCEPT EROSION & SEDIMENT CONTROL PLAN **ELDERSBURG CROSSROADS** SELF STORAGE

(410) 316 - 7894 RAWING NO. C-06 HEET 06 OF 17

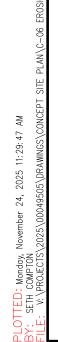
ENGINEER

KCI TECHNOLOGIES

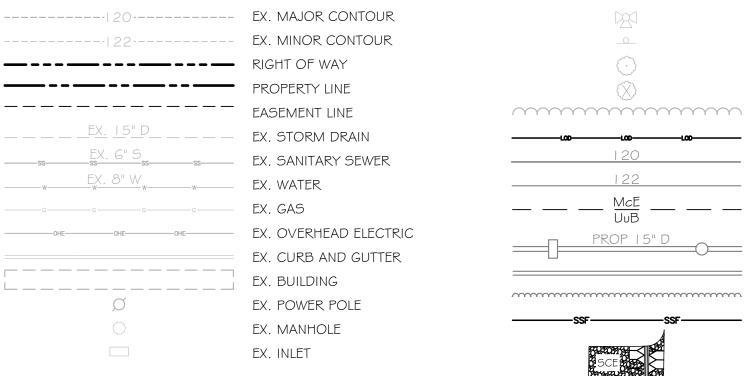
936 RIDGEBROOK ROAD

SPARKS, MD 21152

MATTHEW SICHEL



= EX. STORM DRAIN EX. GAS EX. OVERHEAD ELECTRIC EX. CURB AND GUTTER EX. BUILDING



LEGEND

EX. FIRE HYDRANT EX. SIGN EX. TREE EX. TREE TO BE REMOVED EX. TREELINE

> PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR

PROPOSED STORM DRAIN PROPOSED CURB & GUTTER PROPOSED TREELINE PROPOSED SUPER SILT FENCE

PROPOSED STABILIZED CONSTRUCTION ENTRANCE

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00049505 **5TH ELECTION DISTRICT**

S-25-0026

TO PROMOTE THE ESTABLISHMENT OF VEGETATION ON EXPOSED SOIL.

CONDITIONS WHERE PRACTICE APPLIES ON ALL DISTURBED AREAS NOT STABILIZED BY OTHER METHODS. THIS SPECIFICATION IS DIVIDED INTO SECTIONS ON INCREMENTAL STABILIZATION; SOIL PREPARATION, SOIL AMENDMENTS AND TOPSOILING; SEEDING AND MULCHING; TEMPORARY STABILIZATION; AND PERMANENT STABILIZATION.

STABILIZATION PRACTICES ARE USED TO PROMOTE THE ESTABLISHMENT OF VEGETATION ON EXPOSED SOIL. WHEN SOIL IS STABILIZED WITH VEGETATION, THE SOIL IS LESS LIKELY TO ERODE AND MORE LIKELY TO ALLOW INFILTRATION OF RAINFALL, THEREBY REDUCING SEDIMENT LOADS AND RUNOFF TO DOWNSTREAM WHERE VEGETATIVE STABILIZATION IS TO BE ESTABLISHED. AREAS. PLANTING VEGETATION IN DISTURBED AREAS WILL HAVE AN EFFECT ON THE WATER BUDGET, ESPECIALLY ON VOLUMES AND RATES OF RUNOFF, INFILTRATION, EVAPORATION, TRANSPIRATION, PERCOLATION, AND GROUNDWATER RECHARGE. OVER TIME, VEGETATION WILL INCREASE ORGANIC MATTER CONTENT AND IMPROVE THE WATER HOLDING CAPACITY OF THE SOIL AND SUBSEQUENT PLANT GROWTH. VEGETATION WILL HELP REDUCE THE MOVEMENT OF SEDIMENT, NUTRIENTS, AND OTHER CHEMICALS CARRIED BY RUNOFF TO RECEIVING WATERS. PLANTS WILL ALSO HELP PROTECT GROUNDWATER SUPPLIES BY ASSIMILATING THOSE SUBSTANCES PRESENT WITHIN THE ROOT ZONE. SEDIMENT CONTROL PRACTICES MUST REMAIN IN PLACE DURING GRADING, SEEDBED PREPARATION, SEEDING, MULCHING, AND VEGETATIVE ESTABLISHMENT. ADEQUATE VEGETATIVE ESTABLISHMENT

INSPECT SEEDED AREAS FOR VEGETATIVE ESTABLISHMENT AND MAKE NECESSARY REPAIRS, REPLACEMENTS, AND RESEEDINGS WITHIN THE PLANTING SEASON. ADEQUATE VEGETATIVE STABILIZATION REQUIRES 95 PERCENT GROUNDCOVER.

IF AN AREA HAS LESS THAN 40 PERCENT GROUNDCOVER, RESTABILIZE FOLLOWING THE ORIGINAL RECOMMENDATIONS FOR LIME, FERTILIZER, SEEDBED

IF AN AREA HAS BETWEEN 40 AND 94 PERCENT GROUNDCOVER, OVER-SEED AND FERTILIZE USING HALF OF THE RATES ORIGINALLY SPECIFIED. MAINTENANCE FERTILIZER RATES FOR PERMANENT SEEDING ARE SHOWN IN TABLE B.6.

B-4-1 STANDARDS AND SPECIFICATIONS FOR INCREMENTAL STABILIZATION

DEFINITION ESTABLISHMENT OF VEGETATIVE COVER ON CUT AND FILL SLOPES.

TO PROVIDE TIMELY VEGETATIVE COVER ON CUT AND FILL SLOPES AS WORK PROGRESSES

CONDITIONS WHERE PRACTICE APPLIES ANY CUT OR FILL SLOPE GREATER THAN 15 FEET IN HEIGHT. THIS PRACTICE ALSO APPLIES TO STOCKPILES. CRITFRIA

INCREMENTAL STABILIZATION - CUT SLOPES

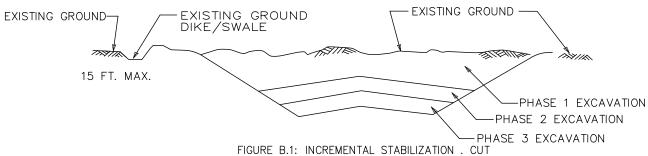
EXCAVATE AND STABILIZE CUT SLOPES IN INCREMENTS NOT TO EXCEED 15 FEET IN HEIGHT. PREPARE SEEDBED AND APPLY SEED AND MULCH ON ALL CUT SLOPES AS THE WORK PROGRESSES.

CONSTRUCTION SEQUENCE EXAMPLE (REFER TO FIGURE B.1)

CONSTRUCT AND STABILIZE ALL TEMPORARY SWALES OR DIKES THAT WILL BE USED TO CONVEY RUNOFF AROUND THE EXCAVATION. PERFORM PHASE 1 EXCAVATION, PREPARE SEEDBED, AND STABILIZE.

PERFORM PHASE 2 EXCAVATION. PREPARE SEEDBED, AND STABILIZE. OVERSEED PHASE 1 AREAS AS NECESSARY.

PERFORM FINAL PHASE EXCAVATION, PREPARE SEEDBED, AND STABILIZE. OVERSEED PREVIOUSLY SEEDED AREAS AS NECESSARY. NOTE: ONCE EXCAVATION HAS BEGUN THE OPERATION SHOULD BE CONTINUOUS FROM GRUBBING THROUGH THE COMPLETION OF GRADING AND PLACEMENT OF TOPSOIL (IF REQUIRED) AND PERMANENT SEED AND MULCH. ANY INTERRUPTIONS IN THE OPERATION OR COMPLETING THE OPERATION OUT OF THE SEEDING SEASON WILL NECESSITATE THE APPLICATION OF TEMPORARY STABILIZATION.



INCREMENTAL STABILIZATION - FILL SLOPES

CONSTRUCT AND STABILIZE FILL SLOPES IN INCREMENTS NOT TO EXCEED 15 FEET IN HEIGHT. PREPARE SEEDBED AND APPLY SEED APPLY SEED AND MULCH ON ALL SLOPES AS THE WORK PROGRESSES.

STABILIZE SLOPES IMMEDIATELY WHEN THE VERTICAL HEIGHT OF A LIFT REACHES 15 FEET, OR WHEN THE GRADING OPERATION CEASES AS PRESCRIBED IN THE PLANS. AT THE END OF EACH DAY, INSTALL TEMPORARY WATER CONVEYANCE PRACTICE(S), AS NECESSARY, TO INTERCEPT SURFACE RUNOFF AND

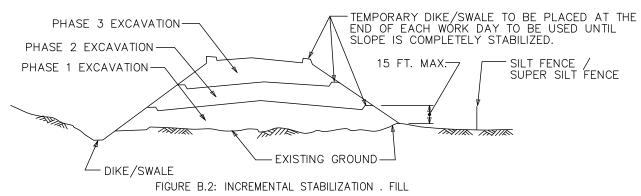
CONVEY IT DOWN THE SLOPE IN A NON-EROSIVE MANNER. CONSTRUCTION SEQUENCE EXAMPLE (REFER TO FIGURE B.2):

CONSTRUCT AND STABILIZE ALL TEMPORARY SWALES OR DIKES THAT WILL BE USED TO DIVERT RUNOFF AROUND THE FILL. CONSTRUCT SILT FENCE ON LOW SIDE OF FILL UNLESS OTHER METHODS SHOWN ON THE PLANS ADDRESS THIS AREA. AT THE END OF EACH DAY, INSTALL TEMPORARY WATER CONVEYANCE PRACTICE(S), AS NECESSARY, TO INTERCEPT SURFACE RUNOFF

AND CONVEY IT DOWN THE SLOPE IN A NON-EROSIVE MANNER. PLACE PHASE 1 FILL, PREPARE SEEDBED, AND STABILIZE.

PLACE PHASE 2 FILL, PREPARE SEEDBED, AND STABILIZE.

PLACE FINAL PHASE FILL, PREPARE SEEDBED, AND STABILIZE. OVERSEED PREVIOUSLY SEEDED AREAS AS NECESSARY. NOTE: ONCE THE PLACEMENT OF FILL HAS BEGUN THE OPERATION SHOULD BE CONTINUOUS FROM GRUBBING THROUGH THE COMPLETION OF GRADING AND PLACEMENT OF TOPSOIL (IF REQUIRED) AND PERMANENT SEED AND MULCH. ANY INTERRUPTIONS IN THE OPERATION OR COMPLETING THE OPERATION OUT OF THE SEEDING SEASON WILL NECESSITATE THE APPLICATION OF TEMPORARY STABILIZATION.



DAILY STABILIZATION NOTE

CONTRACTOR SHALL ONLY DISTURB THAT AREA WHICH CAN BE STABILIZED BY THE END OF EACH WORK DAY. STABILIZATION SHALL BE AS FOLLOWS: FOR SIDEWALK AREAS OR AREAS TO BE PAVED, THE APPLICATION OF STONE. FOR AREAS TO BE VEGETATIVELY STABILIZED, PERMANENT SEED, EROSION CONTROL MATTING FOR SWALES AND PERMANENT SEED AND MULCH FOR ALL OTHER AREAS.

6b

B.3 PLANT HARDNESS ZONE

PLANT HARDINESS ZONE

F AREA TO BE VEGETATIVELY STABILIZED EXCEEDS 5 ACRES, TEST TO BE PERFORMED TO DETERMINE FERTILIZER AND LIME

B-4-2 STANDARDS AND SPECIFICATIONS

SOIL PREPERATION, TOPSOILING, AND SOIL AMENDMENTS

THE PROCESS OF PREPARING THE SOILS TO SUSTAIN ADEQUATE VEGETATIVE STABILIZATION.

TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH

CONDITIONS WHERE PRACTICE APPLIES

A. SOIL PREPARATION

- TEMPORARY STABILIZATION A. SEEDBED PREPARATION CONSISTS OF LOOSENING SOIL TO A DEPTH OF 3 TO 5 OF SUITABLE AGRICULTURAL OR CONSTRUCTION EQUIPMENT, SUCH AS DI SC HARROWS OR CHISEL PLOWS OR RIPPERS MOUNTED ON CONSTRUCTION EQUIPMENT. AFTER THE SOIL IS LOOSENED, IT MUST
 - FLATTER ARE TO BE TRACKED WITH RIDGES RUNNING PARALLEL TO THE CONTOUR OF THE SLOPE. APPLY FERTILIZER AND LIME AS PRESCRIBED ON THE PLANS. INCORPORATE LIME AND FERTILIZER INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR

NOT BE ROLLED OR DRAGGED SMOOTH BUT LEFT IN THE ROUGHENED CONDITION. SLOPES 3:1 OR

OTHER SUITABLE MEANS. 2. PERMANENT STABILIZATION

- A. A SOIL TEST IS REQUIRED FOR ANY EARTH DISTURBANCE OF 5 ACRES OR MORE. THE MINIMUM SOIL CONDITIONS REQUIRED FOR PERMANENT VEGETATIVE ESTABLISHMENT ARE:
 - SOIL PH BETWEEN 6.0 AND 7.0. SOLUBLE SALTS LESS THAN 500 PARTS PER MILLION (PPM). SOIL CONTAINS LESS THAN 40 PERCENT CLAY BUT ENOUGH FINE GRAINED MATERIAL
 - (GREATER THAN 30 PERCENT SILT PLUS CLAY) TO PROVIDE THE CAPACITY TO HOLD A MODERATE AMOUNT OF MOISTURE. AN EXCEPTION: IF LOVEGRASS WILL BE PLANTED, THEN A SANDY SOIL (LESS THAN 30 PERCENT SILT PLUS CLAY) WOULD BE ACCEPTABLE. IV. SOIL CONTAINS 1.5 PERCENT MINIMUM ORGANIC MATTER BY WEIGHT.
- SOIL CONTAINS SUFFICIENT PORE SPACE TO PERMIT ADEQUATE ROOT PENETRATION. B. APPLICATION OF AMENDMENTS OR TOPSOIL IS RE QUIRED IF ON-SITE SOILS DO NOT MEET THE ABOVE CONDITIONS.
- C. GRADED AREAS MUST BE MAINTAINED IN A TRUE AND EVEN GRADE AS SPECIFIED ON THE APPROVED PLAN, THEN SCARIFIED OR OTHERWISE LOOSENED TO A DEPTH OF 3 TO 5 INCHES.
- APPLY SOIL AMENDMENTS AS SPECIFIED ON THE APPROVED PLAN OR AS INDICATED BY THE RESULTS OF A SOIL TEST.
- E. MIX SOIL AMENDMENTS INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS. RAKE LAWN AREAS TO SMOOTH THE SURFACE, REMOVE LARGE OBJECTS LIKE STONES AND BRANCHES, AND READY THE AREA FOR SEED APPLICATION. LOOSEN SURFACE SOIL BY DRAGGING WITH A HEAVY CHAIN OR OTHER EQUIPMENT TO ROUGHEN THE SURFACE WHERE SITE CONDITIONS WILL NOT PERMIT NORMAL SEEDBED PREPARATION. TRACK SLOPES 3:1 OR FLATTER WITH TRACKED EQUIPMENT LEAVING THE SOIL IN AN IRREGULAR CONDITION WITH RIDGES RUNNING PARALLEL TO THE CONTOUR OF THE SLOPE. LEAVE THE TOP 1 TO 3 INCHES OF SOIL LOOSE AND FRIABLE. SEEDBED LOOSENING MAY BE UNNECESSARY ON NEWLY DISTURBED AREAS.

TOPSOIL IS PLACED OVER PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION. THE PURPOSE IS TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW PH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION.

TOPSOIL SALVAGED FROM AN EXISTING SITE MAY BE USED PROVIDED IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS. TYPICALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED FOR A GIVEN SOIL TYPE CAN BE FOUND IN THE REPRESENTATIVE SOIL PROFILE SECTION IN THE SOIL SURVEY PUBLISHED BY

3. TOPSOILING IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:

- A. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.
- THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.
- THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE.
- 4. AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN 5. TOPSOIL SPECIFICATIONS: SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING CRITERIA:
- A. TOPSOIL MUST BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, OR LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. TOPSOIL MUST NOT BE A MIXTURE OF CONTRASTING TEXTURED SUBSOILS AND MUST CONTAIN LESS THAN 5 PERCENT BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER

MATERIALS LARGER THAN 11/2 INCHES IN DIAMETER. B. TOPSOIL MUST BE FREE OF NOXIOUS PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACK GRASS, JOHNSON GRASS, NUT SEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED. TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR

SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN

6. TOPSOIL APPLICATION

LIEU OF NATURAL TOPSOIL.

A. EROSION AND SEDIMENT CONTROL PRACTICES MUST BE MAINTAINED WHEN APPLYING TOPSOIL B. UNIFORMLY DISTRIBUTE TOPSOIL IN A 5 TO 8 INCH LAYER AND LIGHTLY COMPACT TO A MINIMUM THICKNESS OF 4 INCHES. SPREADING IS TO BE PERFORMED IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS MUST BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.

TOPSOIL MUST NOT BE PLACED IF THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.

C. SOIL AMENDMENTS (FERTILIZER AND LIME SPECIFICATIONS)

1. SOIL TESTS MUST BE PERFORMED TO DETERMINE THE EXACT RATIOS AND APPLICATION RATES FOR BOTH LIME AND FERTILIZER ON SITES HAVING DISTURBED AREAS OF 5 ACRES OR MORE. SOIL ANALYSIS MAY BE PERFORMED BY A RECOGNIZED PRIVATE OR COMMERCIAL LABORATORY, SOIL SAMPLES TAKEN FOR ENGINEERING PURPOSES MAY ALSO BE USED FOR CHEMICAL ANALYSES.

2. FERTILIZERS MUST BE UNIFORM IN COMPOSITION, FREE FLOWING AND SUITABLE FOR ACCURATE APPLICATION BY APPROPRIATE EQUIPMENT. MANURE MAY BE SUBSTITUTED FOR FERTILIZER WITH PRIOR APPROVAL FROM THE APPROPRIATE APPROVAL AUTHORITY. FERTILIZERS MUST ALL BE DELIVERED TO THE SITE FULLY LABELED ACCORDING TO THE APPLICABLE LAWS AND MUST BEAR THE NAME, TRADE NAME OR TRADEMARK AND WARRANTY OF THE PRODUCER.

3. LIME MATERIALS MUST BE GROUND LIMESTONE (HYDRATED OR BURNT LIME MAY BE SUBSTITUTED EXCEPT WHEN HYDROSEEDING) WHICH CONTAINS AT LEAST 50 PERCENT TOTAL OXIDES (CALCIUM OXIDE PLUS MAGNESIUM OXIDE). LIMESTONE MUST BE GROUND TO SUCH FINENESS THAT AT LEAST 50 PERCENT WILL PASS THROUGH A #100 MESH SIEVE AND 98 TO 100 PERCENT WILL PASS THROUGH A #20 MESH SIEVE.

4. LIME AND FERTILIZER ARE TO BE EVENLY DISTRIBUTED AND INCORPORATED INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS.

WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, SPREAD GROUND LIMESTONE AT THE RATE OF 4 TO 8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL.

B.1 Temporary Seeding Rates, Depths, and Dates

PLANT	SEE	DING RATE	SEEDING				SEEDING RATE	
SPECIES	LB/AC	LB/100 FT ²	DEPTH (INCHES)	5B	AND	6A	6B	7A AND 7B
COOL-SEASON GRASSES								•
ANNUAL RYEGRASS (LOLIUM PERENNE SSP. MULTIFORM)	40	1.0	0.5	MAR 15 TO 1	MAY 31;	AUG 1 TO SEP 30	MAR 1 TO MAY 15; AUG 1 TO OCT 15	FEB 15 TO APR 30; AUG 15 TO NOV 30
BARLEY (HORDEUM VULGARE)	96	2.2	1.0	MAR 15 TO I	MAY 31;	AUG 1 TO SEP 30	MAR 1 TO MAY 15; AUG 1 TO OCT 15	FEB 15 TO APR 30; AUG 15 TO NOV 30
OATS (AVENA SATIVA)	72	1.7	1.0	MAR 15 TO I	MAY 31;	AUG 1 TO SEP 30	MAR 1 TO MAY 15; AUG 1 TO OCT 15	FEB 15 TO APR 30; AUG 15 TO NOV 30
WHEAT (TRITICUM AESTIVUM)	120	2.8	1.0	MAR 15 TO I	MAY 31;	AUG 1 TO SEP 30	MAR 1 TO MAY 15; AUG 1 TO OCT 15	FEB 15 TO APR 30; AUG 15 TO NOV 30
CEREAL RYE (SECALE CEREALE)	112	2.8	1.0	MAR 15 TO I	MAY 31;	AUG 1 TO OCT 31	MAR 1 TO MAY 15; AUG 1 TO OCT 15	FEB 15 TO APR 30; AUG 15 TO DEC 15
WARM-SEASON GRASSES								
FOXTAIL MILLET (SETARIA ITALICA)	30	0.7	0.5	JUN	I 1 TO JU	L 31	MAY 16 TO JUL 31	MAY 1 TO AUG 14
PEARL MILLET (PENNISETUM	20	0.5	0.5	JUN	I 1 TO JU	L 31	MAY 16 TO JUL 31	MAY 1 TO AUG 14

B-4-3 STANDARDS AND SPECIFICATIONS

SEEDING AND MULCHING

THE APPLICATION OF SEED AND MULCH TO ESTABLISH VEGETATIVE COVER.

TO PROTECT DISTURBED SOILS FROM EROSION DURING AND AT THE END OF CONSTRUCTION.

CONDITIONS WHERE PRACTICE APPLIES TO THE SURFACE OF ALL PERIMETER CONTROLS, SLOPES, AND ANY DISTURBED AREA NOT UNDER ACTIVE GRADING.

A. SEEDING

 SPECIFICATIONS ALL SEED MUST MEET THE REQUIREMENTS OF THE MARYLAND STATE SEED LAW. ALL SEED MUS' BE SUBJECT TO RE-TESTING BY A RECOGNIZED SEED LABORATORY. ALL SEED WIST HAVE BEEN TESTED WITHIN THE 6 MONTHS IMMEDIATELY PRECEDING THE DATE OF SOWING SUCH MATERIAL ON ANY PROJECT. REFER TO TABLE B.4 REGARDING THE QUALITY OF SEED. SEED TAGS MUST BE AVAILABLE UPON REQUEST TO THE INSPECTOR TO VERIFY TYPE OF SEED AND SEEDING RATE.

MULCH ALONE MAY BE APPLIED BETWEEN THE FALL AND SPRING SEEDING DATES ONLY IF THE GROUND IS FROZEN. THE APPROPRIATE SEEDING MIXTURE MUST BE APPLIED WHEN THE GROUND THAWS.

INOCULANTS: THE INOCULANT FOR TREATING LEGUME SEED IN THE SEED MIXTURES MUST BE A PURE CULTURE OF NITROGEN FIXING BACTERIA PREPARED SPECIFICALLY FOR THE SPECIES. INOCULANTS MUST NOT BE USED LATER THAN THE DATE INDICATED ON THE CONTAINER. ADD FRESH INOCULANTS AS DIRECTED ON THE PACKAGE. USE FOUR TIMES THE RECOMMENDED RATE WHEN HYDROSEEDING. T IS VERY IMPORTANT TO KEEP INOCULANT AS COOL AS POSSIBLE UNTIL USED. TEMPERATURES TO 80 DEGREES FAHRENHEIT CAN WEAKEN BACTERIA AND MAKE THE INOCULANT LESS

D. SOD OR SEED MUST NOT BE PLACED ON SOIL WHICH HAS BEEN TREATED WITH SOIL STERILANTS OR CHEMICALS USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS ELAPSED (14 DAYS MIN.) TO PERMIT DISSIPATION OF PHYTO-TOXIC MATERIALS.

2. APPLICATION A. DRY SEEDING: THIS INCLUDES USE OF CONVENTIONAL DROP OR BROADCAST SPREADERS.

INCORPORATE SEED INTO THE SUBSOIL AT THE RATES PRESCRIBED ON TEMPORARY SEEDING TABLE B.1, PERMANENT SEEDING TABLE B.3, OR SITE-SPECIFIC SEEDING SUMMARIES.

APPLY SEED IN TWO DIRECTIONS, PERPENDICULAR TO EACH OTHER. APPLY HALF THE SEEDING RATE IN EACH DIRECTION. ROLL THE SEEDED AREA WITH A WEIGHTED ROLLER TO PROVIDE GOOD SEED TO SOIL CONTACT.

B. DRILL OR CULTIPACKER SEEDING: MECHANIZED SEEDERS THAT APPLY AND COVER SEED WITH SOIL. CULTIPACKING SEEDERS ARE REQUIRED TO BURY THE SEED IN SUCH A FASHION AS TO PROVIDE AT LEAST 1/4 INCH OF SOIL COVERING. SEEDBED MUST BE FIRM AFTER PLANTING.

APPLY SEED IN TWO DIRECTIONS, PERPENDICULAR TO EACH OTHER. APPLY HALF THE SEEDING

C. HYDROSEEDING: APPLY SEED UNIFORMLY WITH HYDROSEEDER (SLURRY INCLUDES SEED AND FERTILIZER). IF FERTILIZER IS BEING APPLIED AT THE TIME OF SEEDING, THE APPLICATION RATES SHOULD NOT EXCEED THE FOLLOWING: NITROGEN, 100 POUNDS PER ACRE TOTAL OF SOLUBLE NITROGEN; P205 PHOSPHOROUS), 200 POUNDS PER ACRE; K2O (POTASSIUM), 200 POUNDS PER ACRE.

II. LIME: USE ONLY GROUND AGRICULTURAL LIMESTONE (UP TO 3 TONS PER ACRE MAY BE APPLIED BY HYDROSEEDING). NORMALLY, NOT MORE THAN 2 TONS ARE APPLIED BY HYDROSEEDING AT ANY ONE TIME. DO NOT USE BURNT OR HYDRATED LIME WHEN HYDROSEEDING.

III. MIX SEED AND FERTILIZER ON SITE AND SEED IMMEDIATELY AND WITHOUT INTERRUPTION. IV. WHEN HYDROSEEDING DO NOT INCORPORATE SEED INTO THE SOIL

MULCH MATERIALS (IN ORDER OF PREFERENCE)

STRAW CONSISTING OF THOROUGHLY THRESHED WHEAT, RYE, OAT, OR BARLEY AND REASONABLY BRIGHT IN COLOR. STRAW IS TO BE FREE OF NOXIOUS WEED SEEDS AS SPECIFIED IN THE MARYLAND SEED LAW AND NOT MUSTY, MOLDY, CAKED, DECAYED, OR EXCESSIVELY DUSTY. NOTE: USE ONLY STERILE STRAW MULCH IN AREAS WHERE ONE SPECIES OF GRASS IS DESIRED.

WOOD CELLULOSE FIBER MULCH (WCFM) CONSISTING OF SPECIALLY PREPARED WOOD CELLULOSE PROCESSED INTO A UNIFORM FIBROUS PHYSICAL STATE. WCFM IS TO BE DYED GREEN OR CONTAIN A GREEN DYE IN THE PACKAGE THAT WILL PROVIDE AN APPROPRIATE COLOR TO FACILITATE VISUAL INSPECTION OF THE UNIFORMLY SPREAD

II. WCFM, INCLUDING DYE, MUST CONTAIN NO GERMINATION OR GROWTH INHIBITING FACTORS. III. WCFM MATERIALS ARE TO BE MANUFACTURED AND PROCESSED IN SUCH A MANNER THAT THE WOOD CELLULOSE FIBER MULCH WILL REMAIN IN UNIFORM SUSPENSION IN WATER UNDER AGITATION AND WILL BLEND WITH SEED, FERTILIZER AND OTHER ADDITIVES TO FORM A HOMOGENEOUS SLURRY. THE MULCH MATERIAL MUST FORM A BLOTTER-LIKE GROUND COVER, ON APPLICATION, HAVING MOISTURE ABSORPTION AND PERCOLATION PROPERTIES AND MUST COVER AND HOLD GRASS SEED IN CONTACT WITH THE SOIL WITHOUT INHIBITING THE GROWTH

OF THE GRASS SEEDLINGS. IV. WCFM MATERIAL MUST NOT CONTAIN ELEMENTS OR COMPOUNDS AT CONCENTRATION LEVELS THAT WILL BE PHYTO—TOXIC.

WCFM MUST CONFORM TO THE FOLLOWING PHYSICAL REQUIREMENTS: FIBER LENGTH OF APPROXIMATELY 10 MILLIMETERS, DIAMETER APPROXIMATELY 1 MILLIMETER, PH RANGE OF 4.0 TO 8.5, ASH CONTENT OF 1.6 PERCENT MAXIMUM AND WATER HOLDING CAPACITY OF 90 PERCENT MINIMUM.

ANCHORING

A. APPLY MULCH TO ALL SEEDED AREAS IMMEDIATELY AFTER SEEDING.

B. WHEN STRAW MULCH IS USED, SPREAD IT OVER ALL SEEDED AREAS AT THE RATE OF 2 TONS PER ACRE TO A UNIFORM LOOSE DEPTH OF 1 TO 2 INCHES. APPLY MULCH TO ACHIEVE A UNIFORM DISTRIBUTION AND DEPTH SO THAT THE SOIL SURFACE IS NOT EXPOSED. WHEN USING A MULCH ANCHORING TOOL, INCREASE THE APPLICATION RATE TO 2.5 TONS PER ACRE.

C. WOOD CELLULOSE FIBER USED AS MULCH MUST BE APPLIED AT A NET DRY WEIGHT OF 1500 POUNDS PER ACRE. MIX THE WOOD CELLULOSE FIBER WITH WATER TO ATTAIN A MIXTURE WITH A MAXIMUM OF 50 POUNDS OF WOOD CELLULOSE FIBER PER 100 GALLONS OF WATER.

A. PERFORM MULCH ANCHORING IMMEDIATELY FOLLOWING APPLICATION OF MULCH TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS (LISTED BY PREFERENCE), DEPENDING UPON THE SIZE OF THE AREA AND EROSION HAZARD:

A MULCH ANCHORING TOOL IS A TRACTOR DRAWN IMPLEMENT DESIGNED TO PUNCH AND ANCHOR MULCH INTO THE SOIL SURFACE A MINIMUM OF 2 INCHES. THIS PRACTICE IS MOST EFFECTIVE ON LARGE AREAS, BUT IS LIMITED TO FLATTER SLOPES WHERE EQUIPMENT CAN OPERATE SAFELY. IF USED ON SLOPING LAND, THIS PRACTICE SHOULD FOLLOW THE CONTOUR.

II. WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. APPLY THE FIBER BINDER AT A NET DRY WEIGHT OF 750 POUNDS PER ACRE. MIX THE WOOD CELLULOSE FIBER WITH WATER AT A MAXIMUM OF 50 POUNDS OF WOOD CELLULOSE FIBER PER 100 GALLONS OF WATER.

III. SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRO-TACK), DCA-70, PETROSET, TERRA TAX II, TERRA TACK AR OR OTHER APPROVED EQUAL MAY BE USED. FOLLOW APPLICATION RATES AS SPECIFIED BY THE MANUFACTURER. APPLICATION OF LIQUID BINDERS NEEDS TO BE HEAVIER AT THE EDGES WHERE WIND CATCHES MULCH, SUCH AS IN VALLEYS AND ON CRESTS OF BANKS. USE OF ASPHALT BINDERS IS STRICTLY PROHIBITED. IV. LIGHTWEIGHT PLASTIC NETTING MAY BE STAPLED OVER THE MULCH ACCORDING TO MANUFACTURER RECOMMENDATIONS. NETTING IS USUALLY AVAILABLE IN ROLLS 4 TO 15 FEET WIDE AND 300 TO

B-4-4 STANDARDS AND SPECIFICATIONS FOR TEMPORARY STABILIZATION

DEFINITION TO STABILIZE DISTURBED SOILS WITH VEGETATION FOR UP TO 6 MONTHS.

TO USE FAST GROWING VEGETATION THAT PROVIDES COVER ON DISTURBED SOILS.

CONDITIONS WHERE PRACTICE APPLIES EXPOSED SOILS WHERE GROUND COVER IS NEEDED FOR A PERIOD OF 6 MONTHS OR LESS. FOR LONGER DURATION OF TIME, PERMANENT STABILIZATION PRACTICES ARE REQUIRED.

SELECT ONE OR MORE OF THE SPECIES OR SEED MIXTURES LISTED IN TABLE B.1 FOR THE APPROPRIATE PLANT HARDINESS ZONE (FROM FIGURE B.3), AND ENTER THEM IN THE TEMPORARY SEEDING SUMMARY BELOW ALONG WITH APPLICATION RATES, SEEDING DATES AND SEEDING DEPTHS. IF THIS SUMMARY IS NOT PUT ON THE PLAN AND COMPLETED, THEN TABLE B.1 PLUS FERTILIZER AND LIME RATES MUST BE PUT ON THE PLAN.

FOR SITES HAVING SOIL TESTS PERFORMED, USE AND SHOW THE RECOMMENDED RATES BY THE TESTING AGENCY. SOIL TESTS ARE NOT REQUIRED FOR TEMPORARY SEEDING.

3. WHEN STABILIZATION IS REQUIRED OUTSIDE OF A SEEDING SEASON, APPLY SEED AND MULCH OF STRAW MULCH ALONE AS PRESCRIBED IN SECTION B-4-3.A.1.B AND MAINTAIN UNTIL THE NEXT

B-4-4 STANDARDS AND SPECIFICATIONS FOR TEMPORARY STABILIZATION CONTINUED

NOTES: 1. SEEDING RATES FOR WARM-SEASON GRASSES ARE IN POUNDS OF PURE LIVE SEED (PLS). ACTUAL PLANTING RATES SHALL BE ADJUSTED TO REFLECT PERCENT SEED GERMINATION AND PURITY, AS TESTED. ADJUSTMENT ARE USUALLY

SEEDING RATES LISTED ABOVE ARE FOR TEMPORARY SEEDING, WHEN PLANTED ALONE. WHEN PLANTED AS A NURSE CROP WITH PERMANENT SEED MIXES, USE 1/3 OF THE SEEDING RATE LISTED ABOVE FOR BARLEY, OATS AND WHEAT. FOR - SMALLER -SEEDED GRASSES (ANUAL RYEGRASS, PEARL MILLET, FOXTAIL MILLET), DO NOT EXCEED MORE THAN 5% (BY WEIGHT) OF THE OVERALL PERMANENT SEEDING MIX. CEREAL RYE GENERALLY SHOULD NOT BE USED AS A NURSE CROP, UNLESS PLANTING WILL OCCUR IN THE VERY LATE FALL BEYOND THE SEEDING DATE FOR OTHER TEMPORARY SEEDINGS. CEREAL RYE HAS ALLELOPATHIC PROPERTIES THAT INHIBIT THE GERMINATION AND GROWTH OF OTHER PLANTS IF IT MUST BE USED AS NURSE CROP, SEED AS1/3 OF THE RATE LISTED ABOVE. OATS ARE THE RECOMMENDED NURSE CROP FOR WARM-SEASON GRASSES.

2. FOR SANDY SOILS, PLANT SEEDS AT TWICE THE DEPTH LISTED ABOVE. 3. THE PLANTING DATES LISTED ARE AVERAGES FOR EACH ZONE AND MAY REQUIRE ADJUSTMENTS TO REFLECT LOCAL CONDITIONS, ESPECIALLY NEAR THE BOUNDARIES OF THE ZONE.

B-4-5 STANDARDS AND SPECIFICATIONS FOR PERMANENT STABILIZATION

TO STABILIZE DISTURBED SOILS WITH PERMANENT VEGETATION.

TO USE LONG—LIVED PERENNIAL GRASSES AND LEGUMES TO ESTABLISH PERMANENT GROUND COVER ON DISTURBED SOILS.

CONDITIONS WHERE PRACTICE APPLIES EXPOSED SOILS WHERE GROUND COVER IS NEEDED FOR 6 MONTHS OR MORE.

A. SEED MIXTURES GENERAL USE

NOT NEEDED FOR THE COOL-SEASON GRASSES.

. SELECT ONE OR MORE OF THE SPECIES OR MIXTURES LISTED IN TABLE B.3 FOR THE APPROPRIATE PLANT HARDINESS ZONE (FROM FIGURE B.3) AND BASED ON THE SITE CONDITION OR PURPOSE FOUND ON TABLE B.2. ENTER SELECTED MIXTURE(S), APPLICATION RATES, AND SEEDING DATES IN THE PERMANENT SEEDING SUMMARY. THE SUMMARY IS TO BE PLACED ON THE PLAN.

ADDITIONAL PLANTING SPECIFICATIONS FOR EXCEPTIONAL SITES SUCH AS SHORELINES, STREAM BANKS, OR DUNES OR FOR SPECIAL PURPOSES SUCH AS WILDLIFE OR AESTHETIC TREATMENT MAY BE FOUND IN USDA-NRCS TECHNICAL FIELD OFFICE GUIDE, SECTION 342 -

FOR SITES HAVING DISTURBED AREA OVER 5 ACRES, USE AND SHOW THE RATES RECOMMENDED BY THE SOIL TESTING AGENCY.

D. FOR AREAS RECEIVING LOW MAINTENANCE, APPLY UREA FORM FERTILIZER (46-0-0) AT 3 1/2 POUNDS PER 1000 SQUARE FEET (150 POUNDS PER ACRE) AT THE TIME OF SEEDING IN ADDITION TO THE SOIL AMENDMENTS SHOWN IN THE PERMANENT SEEDING SUMMARY. TURFGRASS MIXTURES

AREAS WHERE TURFGRASS MAY BE DESIRED INCLUDE LAWNS, PARKS, PLAYGROUNDS, AND COMMERCIAL SITES WHICH WILL RECEIVE A MEDIUM TO HIGH LEVEL OF MAINTENANCE. SELECT ONE OR MORE OF THE SPECIES OR MIXTURES LISTED BELOW BASED ON THE SITE CONDITIONS OR PURPOSE. ENTER SELECTED MIXTURE(S), APPLICATION RATES, AND SEEDING DATES IN THE PERMANENT SEEDING SUMMARY. THE SUMMARY IS TO BE PLACED

FASTERN SHORE. RECOMMENDED CERTIFIED KENTUCKY BLUFGRASS CULTIVARS SEEDIN RATE: 1.5 TO 2.0 POUNDS PER 1000 SQUARE FEET. CHOOSE A MINIMUM OF THREE KENTUCKY BLUEGRASS CULTIVARS WITH EACH RANGING FROM 10 TO 35 PERCENT OF THE TOTAL

II. KENTUCKY BLUEGRASS/PERENNIAL RYE: FULL SUN MIXTURE: FOR USE IN FULL SUN AREAS WHERE RAPID ESTABLISHMENT IS NECESSARY AND WHEN TURF WILL RECEIVE MEDIUM TO INTENSIVE MANAGEMENT. CERTIFIED PERENNIAL RYEGRASS CULTIVARS/CERTIFIED KENTUCKY BLUEGRASS SEEDING RATE: 2 POUNDS MIXTURE PER 1000 SQUARE FEET. CHOOSE A MINIMUM OF THREE KENTUCKY BLUEGRASS CULTIVARS WITH EACH RANGING FROM 10 TO 35 PERCENT OF THE TOTAL MIXTURE BY WEIGHT.

III. TALL FESCUE/KENTUCKY BLUEGRASS: FULL SUN MIXTURE: FOR USE IN DROUGHT PRONE AREAS AND/OR FOR UPLAND AREAS RECEIVING LOW TO MEDIUM MANAGEMENT IN FULL SUN TO MEDIUM SHADE. RECOMMENDED MIXTURE INCLUDES; CERTIFIED TALL FESCUE CULTIVARS 95 TO 100 PERCENT, CERTIFIED KENTUCKY BLUEGRASS CULTIVARS 0 TO 5 PERCENT. SEEDING RATE: 5 TO 8 POUNDS PER 1000 SQUARE FEET. ONE OR MORE CULTIVARS MAY BE

IV. KENTUCKY BLUEGRASS/FINE FESCUE: SHADE MIXTURE: FOR USE IN AREAS WITH SHADE IN BLUEGRASS LAWNS. FOR ESTABLISHMENT IN HIGH QUALITY, INTENSIVELY MANAGED TURF AREA. MIXTURE INCLUDES; CERTIFIED KENTUCKY BLUEGRASS CULTIVARS 30 TO 40 PERCENT AND CERTIFIED FINE FESCUE AND 60 TO 70 PERCENT. SEEDING RATE: 1 1/2 TO 3 POUNDS PER 1000 SQUARE FEET. SELECT TURFGRASS VARIETIES FROM THOSE LISTED IN THE MOST CURRENT UNIVERSITY OF MARYLAND PUBLICATION, AGRONOMY MEMO #77, "TURFGRASS CULTIVAR RECOMMENDATIONS FOR MARYLAND"

CHOOSE CERTIFIED MATERIAL. CERTIFIED

MATERIAL IS THE BEST GUARANTEE OF CULTIVAR PURITY. THE CERTIFICATION PROGRAM

OF THE MARYLAND DEPARTMENT OF AGRICULTURE, TURF AND SEED SECTION, PROVIDES A RELIABLE MEANS OF CONSUMER PROTECTION AND ASSURES A PURE GENETIC LINE. IDEAL TIMES OF SEEDING FOR TURF GRASS MIXTURES
WESTERN MD: MARCH 15 TO JUNE 1, AUGUST 1 TO OCTOBER 1 (HARDINESS ZONES: 5B, 6A)
CENTRAL MD: MARCH 1 TO MAY 15, AUGUST 15 TO OCTOBER 15 (HARDINESS ZONE: 6B)

SOUTHERN MD, EASTERN SHORE: MARCH 1 TO MAY 15, AUGUST 15 TO OCTOBER 15 (HARDINESS ZONES: 7A, 7B) D. TILL AREAS TO RECEIVE SEED BY DISKING OR OTHER APPROVED METHODS TO A DEPTH OF 2 TO 4 INCHES, LEVEL AND RAKE THE AREAS TO PREPARE A PROPER SEEDBED. REMOVE STONES AND DEBRIS OVER 1½ INCHES IN DIAMETER. THE RESULTING SEEDBED MUST BE IN SUCH CONDITION THAT FUTURE MOWING OF GRASSES WILL POSE NO DIFFICULTY.

E. IF SOIL MOISTURE IS DEFICIENT, SUPPLY NEW SEEDINGS WITH ADEQUATE WATER FOR PLANT GROWTH (½ TO 1 INCH EVERY 3 TO 4 DAYS DEPENDING ON SOIL TEXTURE) UNTIL THEY ARE FIRMLY ESTABLISHED. THIS IS ESPECIALLY TRUE WHEN SEEDINGS ARE MADE LATE IN THE PLANTING SEASON, IN ABNORMALLY DRY OR HOT SEASONS, OR ON ADVERSE SITES.

		PERMANE	NT SEEDING SUMM.	ARY FOR UPLAND	AREAS			
	HARDINESS ZONE (from		6b			RTILIZER RA (10-20-20)		LIME
۱0.	SPECIES	APPLICATION RATE (lb/ac)	SEEDING DATES	SEEDING DEPTHS	N	P ₂ 0	к ₂ 0	RATE
	KENTUCKY BLUEGRASS 10% TURF-TYPE TALL FESCUE 40% GRADE TALL FESCUE 30% PERENNIAL RYEGRASS 20%	250	3/15 - 5/15 OR 8/15 - 11/15	1/4 - 1/2 in.	45 POUNDS PER ACRE	90 lb/ac (2 lb/	90 lb/ac	2 tons/ac (90 lb/1000 sf
	KENTUCKY BLUEGRASS 10% TURF-TYPE TALL FESCUE 40% GRADE TALL FESCUE 30%	350	3/15 - 5/15 OR 8/15 - 11/15	1/4 - 1/2 in.	(1.0 lb/ 1000 sf)	1000 sf)	(2 lb/ 1000 sf)	(90 lb/1000 sf

B. SOD: TO PROVIDE QUICK COVER ON DISTURBED AREAS (2:1 GRADE OR FLATTER).

MADE AVAILABLE TO THE JOB FOREMAN AND INSPECTOR.

WOULD CAUSE AIR DRYING OF THE ROOTS.

2. SOD INSTALLATION

KCI

A. CLASS OF TURFGRASS SOD MUST BE MARYLAND STATE CERTIFIED. SOD LABELS MUST BE

B. SOD MUST BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 3/4", PLUS OR MINUS 1/4 INCH, AT THE TIME OF CUTTING. MEASUREMENT FOR THICKNESS MUST EXCLUDE TOP GROWTH AND THATCH. BROKEN PADS AND TORN OR UNEVEN ENDS WILL NOT BE ACCEPTABLE. C. STANDARD SIZE SECTIONS OF SOD MUST BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP ON THE

UPPER 10 PERCENT OF THE SECTION. D. SOD MUST NOT BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT (EXCESSIVELY DRY OR WET) MAY ADVERSELY AFFECT ITS SURVIVAL.

E. SOD MUST BE HARVESTED, DELIVERED, AND INSTALLED WITHIN A PERIOD OF 36 HOURS. SOD NOT TRANSPLANTED WITHIN THIS PERIOD MUST BE APPROVED BY AN AGRONOMIST OR SOIL SCIENTIST PRIOR TO ITS INSTALLATION.

A. DURING PERIODS OF EXCESSIVELY HIGH TEMPERATURE OR IN AREAS HAVING DRY SUBSOIL, LIGHTLY IRRIGATE THE SUBSOIL IMMEDIATELY PRIOR TO LAYING THE SOD. B. LAY THE FIRST ROW OF SOD IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO IT AND TIGHTLY WEDGED AGAINST EACH OTHER. STAGGER LATERAL JOINTS TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH. ENSURE THAT SOD IS NOT STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHT IN ORDER TO PREVENT VOIDS WHICH

WHEREVER POSSIBLE, LAY SOD WITH THE LONG EDGES PARALLEL TO THE CONTOUR AND WITH STAGGERING JOINTS. ROLL AND TAMP, PEG OR OTHERWISE SECURE THE SOD TO PREVENT SLIPPAGE ON SLOPES. ENSURE SOLID CONTACT EXISTS BETWEEN SOD ROOTS AND THE

WATER THE SOD IMMEDIATELY FOLLOWING ROLLING AND TAMPING UNTIL THE UNDERSIDE OF THE NEW SOD PAD AND SOIL SURFACE BELOW THE SOD ARE THOROUGHLY WET. COMPLETE THE OPERATIONS OF LAYING, TAMPING AND IRRIGATING FOR ANY PIECE OF SOD WITHIN EIGHT HOURS.

SOD MAINTENANCE

B. AFTER THE FIRST WEEK, SOD WATERING IS REQUIRED AS NECESSARY TO MAINTAIN ADEQUATE MOISTURE CONTENT.

A. IN THE ABSENCE OF ADEQUATE RAINFALL, WATER DAILY DURING THE FIRST WEEK OR AS OFTEN AND SUFFICIENTLY AS

NECESSARY TO MAINTAIN MOIST SOIL TO A DEPTH OF 4 INCHES. WATER SOD DURING THE HEAT OF THE DAY TO

C. DO NOT MOW UNTIL THE SOD IS FIRMLY ROOTED. NO MORE THAN 1/3 OF THE GRASS LEAF MUST BE REMOVED BY THE INITIAL CUTTING OR SUBSEQUENT CUTTINGS MAINTAIN A GRAS HEIGHT OF AT LEAST 3 INCHES UNLESS OTHERWISE SPECIFIED.

OWNER AJCET RESTORATION SERVICES 2206 SKYLARK DRIVE WESTMINSTER, MD 2115

BARTHOLOW ROAD LLC C/O BAREFOOT LAND CO. 4324 NW LOTH ST CAPE CORAL, FL 33993 MASON NEWBERRY (404) 317 - 9063

DEVELOPER

KCI TECHNOLOGIES 936 RIDGEBROOK ROAD SPARKS, MD 21152 MATTHEW SICHEL (410)316 - 7894RAWING NO.

ENGINEER

ELDERSBURG CROSSROADS SELF STORAGE

EROSION & SEDIMENT CONTROL NOTES

5TH ELECTION DISTRICT

PROFESSIONAL CERTIFICATION

I HFREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED

PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF

MARYLAND, LICENSE NO. 28935 EXPIRATION DATE: 1/15/27

OR APPROVED BY ME, AND THAT I AM A DULY LICENSED

SCIENTISTS CONSTRUCTION MANAGERS 936 RIDGEBROOK ROAD Sparks, Maryland 21152 TELEPHONE: (410) 316-7800

ENGINEERS

PLANNERS

DATE

11/24/2025 DESCRIPTION AS SHOWN SIGNED BY KCI RAWN BY

XXXX SYKESVILLE RD, ELDERSBURG, MD 21784

00049505

5-25-0026

TECHNOLOGIES

Fax: (410) 316-7818

REVISIONS

CARROLL COUNTY

C-07

EET 07 OF 17

I JOB NUMBER

S-25-0026

SCIENTISTS CONSTRUCTION MANAGERS 936 Ridgebrook Road Sparks, Maryland 21152 TELEPHONE: (410) 316-7800 TECHNOLOGIES Fax: (410) 316-7818

REVISIONS 11/24/2025 DATE DESCRIPTION AS SHOWN SIGNED BY KCI

KCI

ELDERSBURG CROSSROADS SELF STORAGE XXXX SYKESVILLE RD, ELDERSBURG, MD 21784 CARROLL COUNTY

5TH ELECTION DISTRICT

EET 08 OF 17 CI JOB NUMBER 00049505

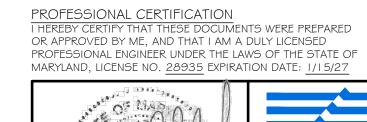
OWNER AJCET RESTORATION SERVICES 2206 SKYLARK DRIVE WESTMINSTER, MD 21157

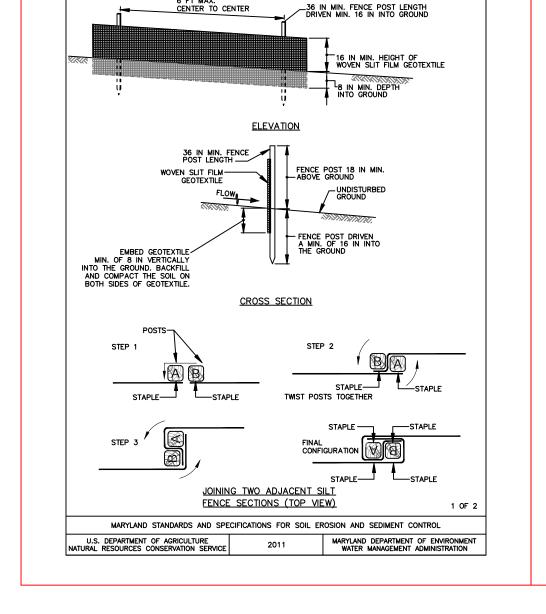
DEVELOPER BARTHOLOW ROAD LLC. C/O BAREFOOT LAND CO. 4324 NW LOTH ST CAPE CORAL, FL 33993 MASON NEWBERRY (404) 317 - 9063

EROSION & SEDIMENT CONTROL DETAILS

ENGINEER KCI TECHNOLOGIES 936 RIDGEBROOK ROAD SPARKS, MD 21152 MATTHEW SICHEL (410) 316 - 7894 DRAWING NO.

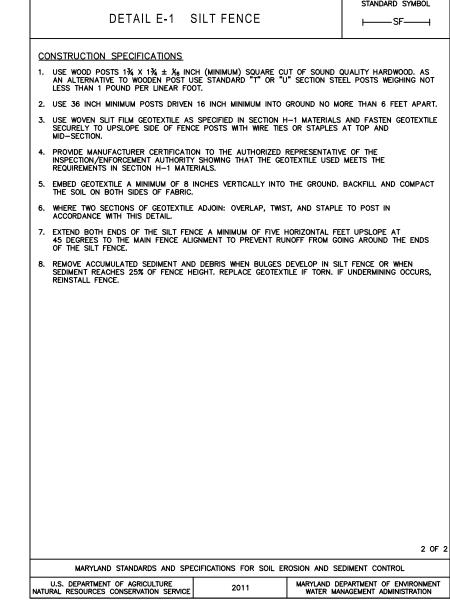
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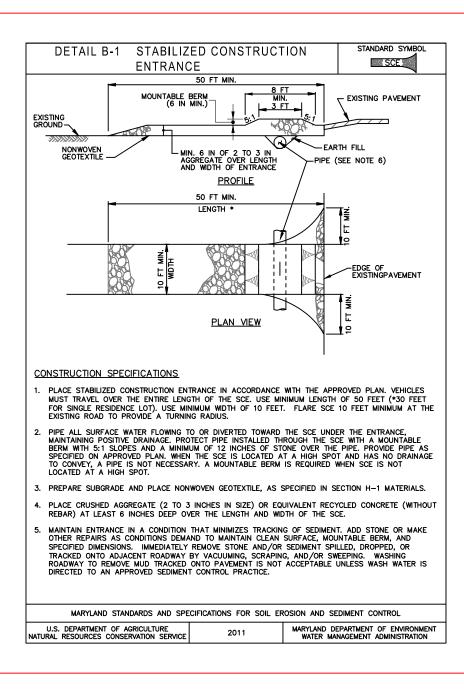


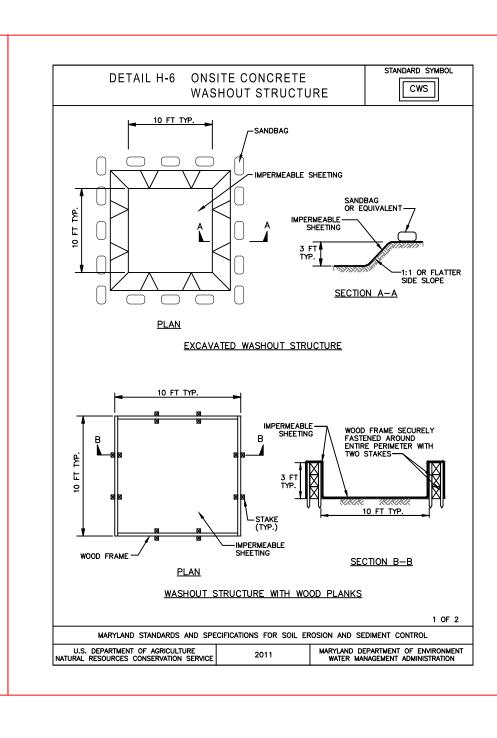


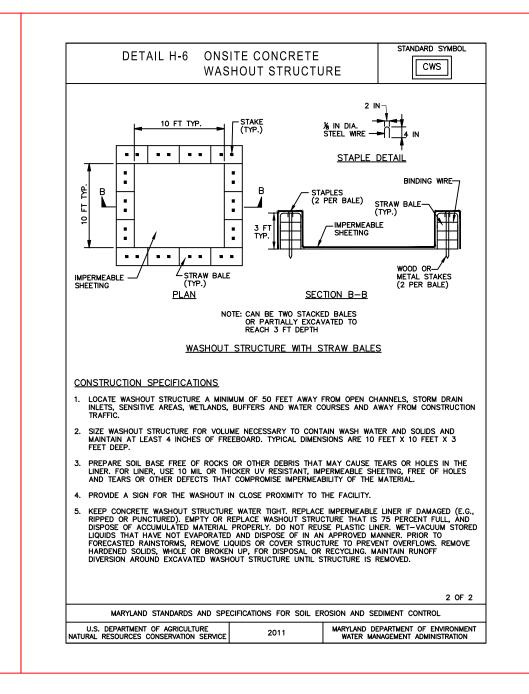
DETAIL E-1 SILT FENCE

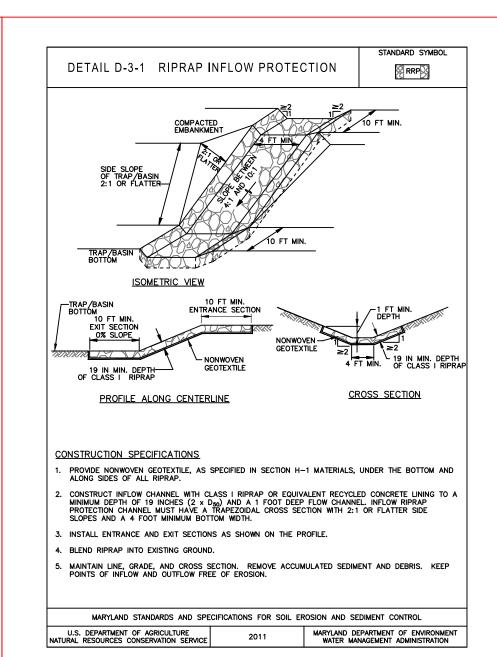
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SEQUENCE OF CONSTRUCTION

I. CONTACT THE CERTIFYING PROFESSIONAL ENGINEER/PROFESSIONAL LAND SURVEYOR. ONCE THE CERTIFYING PROFESSIONAL HAS GIVEN HIS/ HER APPROVAL IN ACCORDANCE

MICRO-BIORETENTION PLAN

- WITH INSPECTION CHART.
- 2. EXCAVATE TO SUBGRADE.
- CONSTRUCTION OF EMBANKMENT. 4. INSTALL RISER \$ OUTFALL STRUCTURE. NOTE OUTFALL PIPE TO BE SINGLE LENGTH OF PIPE, WITH NO JOINTS.
- 5. INSTALL 30 MIL LINER PER MANUFACTURERS SPECIFICATIONS. INSTALL PIPE BOOTS \$ BATTENS WHERE APPLICABLE.
- 6. ONCE BUILDING CONSTRUCTION IS COMPLETE \$ D.A. TO SP. FACULTY IS PAVED OR
- SUPPORTING 2" OF GRASS & WITH APPROVAL OF CERTIFYING ENGINEER.
- 7. INSTALL I 2" OF NO. 8 STONE \$ 4" SLOTTED UNDERDRAIN. 8. PLACE FILTER / PLANTING MEDIA (SEE SPECIFICATIONS THIS SHEET).
- 9. INSTALL LANDSCAPE SEED MIX AND STRAW MULCH IN ACCORDANCE WITH LANDSCAPE PLAN
- SHEET C-19. 10. SUBMIT AS-BUILT CERTIFICATION FOR BOND RELEASE.

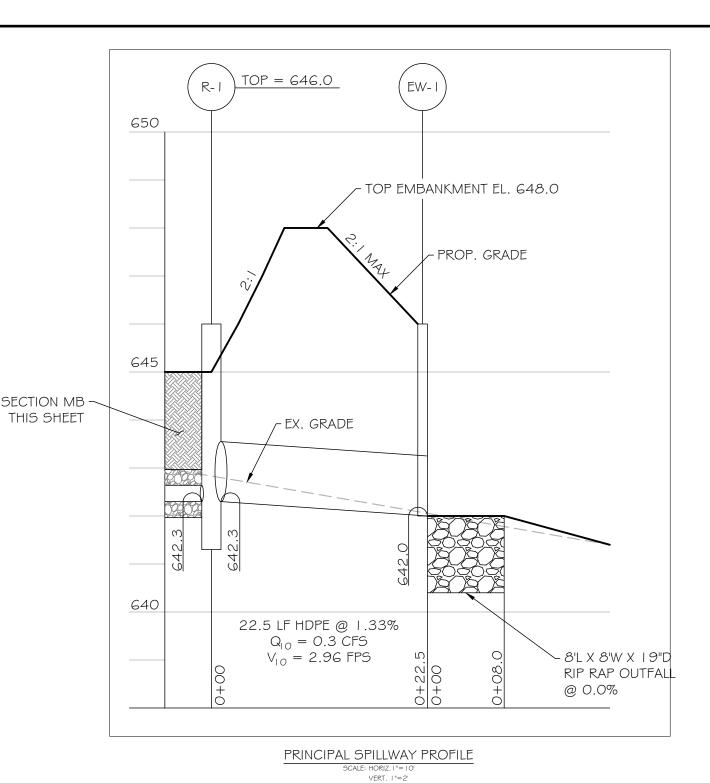
LANDSCAPE NOTE

REFER TO LANDSCAPE PLAN, NOTES \$ DETAILS FOR BIO-RETENTION PLAN SELECTIONS. LANDSCAPING PLAN TO BE INCLUDED IN AS-BUILT SET. SEED MIX WILL REQUIRE THE USE OF STRAW MULCH.

STORMWATER MAINTENANCE SCHEDULE **MICRO-BIORETENTION**

MONTHLY INSPECTION

Inspection Item	Inspection Requirements	Remedial Action
Debris and Trash	Check for trash and debris in facility including inlets, outlets, conveyance systems, and area around facility.	Remove all trash and debris and dispose in an acceptable manner. Unclog all openings.
Plant Composition and Health	Compare plant composition with approved plans. Check for invasive species or weeds. Check for dead or dying vegetation.	Remove invasive species and weeds. Replace dead plants in accordance with approved landscaping plan.
Vegetative Cover	Check for channelizing, erosion, and bare spots. Check for vegetation blocking inlet and outlet.	Remove or cut back vegetation around inlet and outlet structures. Mow side slopes when grass exceeds 12 inches in height, but do not mow filter bed. Remove grass clippings. Re-seed or re-plant in accordance with approved landscaping plans.
Mulch Layer	Check mulch for adequate cover, sediment accumulation, or discoloration.	Replace and remove old mulch and excess sediment. Provide adequate mulch cover according to approved design.
	SEASONAL INSPECTION AND A	FTER A MAJOR STORM
Inspection Item	Inspection Requirements	Remedial Action
Dewatering	Check ponding level. Surface storage must dewater within 48 hours of rainfall. Noticeable odors, stained water on the filter surface or at the outlet, or the presence of algae or aquatic vegetation are indicators of anaerobic conditions and inadequate dewatering of the facility.	Remove and replace top few inches of media. Confirm adequate dewatering with follow up inspections. If the facility does not function as intended after the above action, the entire system including the underdrain may need refurbishing.
Erosion	Check inlets, filter bed, outlets, and side slopes for erosion, rills, gullies, and runoff channelization.	Re-grading may be required when concentrated flow causes rills or gullying through the facility. Grade, vegetate, and/or armor to provide stable conveyance in accordance with approved plans.
Sediment Accumulation	Check for accumulated sediment in conveyance systems and on filter bed. Check for clogged openings.	When sediment accumulates to 1 inch depth, remove sediment. Remove sediment from clogged openings. Dispose of all sediment in an acceptable location.
Blockages	Check overflow inlet (riser), piping, and underdrain for blockages. Check observation wells for water level.	Clear out any blockages.
	ANNUAL INSPE	CTION
Inspection Item	Inspection Requirements	Remedial Action
Maintenance Access	Check for accessibility to facility.	Prevent excessive vegetative growth, erosion, and obstructions on access way.
Flow Conveyance System	Check overflow inlet, piping, and bypass for misalignments, breakage, and blockage.	Repair any broken or faulty piping. Clear out any blockages.
Structural Components	Check for evidence of structural deterioration, spalling, or cracking. Inlet and outlet structures as well as riprap outfalls must be in good condition.	Repair to good condition according to specifications on the approved plans.
Overall Function of Facility	Check that practice is functioning as designed.	Repair to good condition according to specifications on the approved plans.



ENGINEER'S 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. I ALSO CERTIFY THAT THIS PLAN WAS INSPECTED IN ACCORDANCE WITH 136-22 AND 136-23 OF THE WESTMINSTER CITY CODE.

DEVELOPER'S / LANDOWNER'S CERTIFICATION

I/WE HEREBY CERTIFY THAT ALL PROPOSED WORK SHOWN ON THESE CONSTRUCTION DRAWINGS WILL BE CONDUCTED IN STRICT ACCORDANCE WITH THESE PLANS, I/WE ALSO UNDERSTAND THAT IT IS MY/OUR RESPONSIBILITY TO HAVE THE CONSTRUCTION SUPERVISED AND CERTIFIED, INCLUDING THE SUBMITTAL OF AS-BUILT PLANS CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER OR PROFESSIONAL LAND SURVEYOR WITHIN 30 DAYS OF COMPLETION OF WORK, ON THE STORMWATER MANAGEMENT FACILITY, I/WE ALSO CERTIFY THAT THESE STORMWATER MANAGEMENT FACILITIES WILL BE INSPECTED DURING CONSTRUCTION BY A REGISTERED PROFESSIONAL ENGINEER IN ACCORDANCE WITH PAGES I 36-I 39 OF CHAPTER I 36 OF THE WESTMINSTER CITY CODE.

ENGINEER'S DESIGN CERTIFICATION

HEREBY CERTIFY THAT THESE PLANS HAVE BEEN DESIGNED ACCORDING O CHAPTER I 36 OF THE WESTMINSTER CITY CODE, ENTITLED STORMWATER MANAGEMENT"

DATE

SEAL NO.

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED

PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF

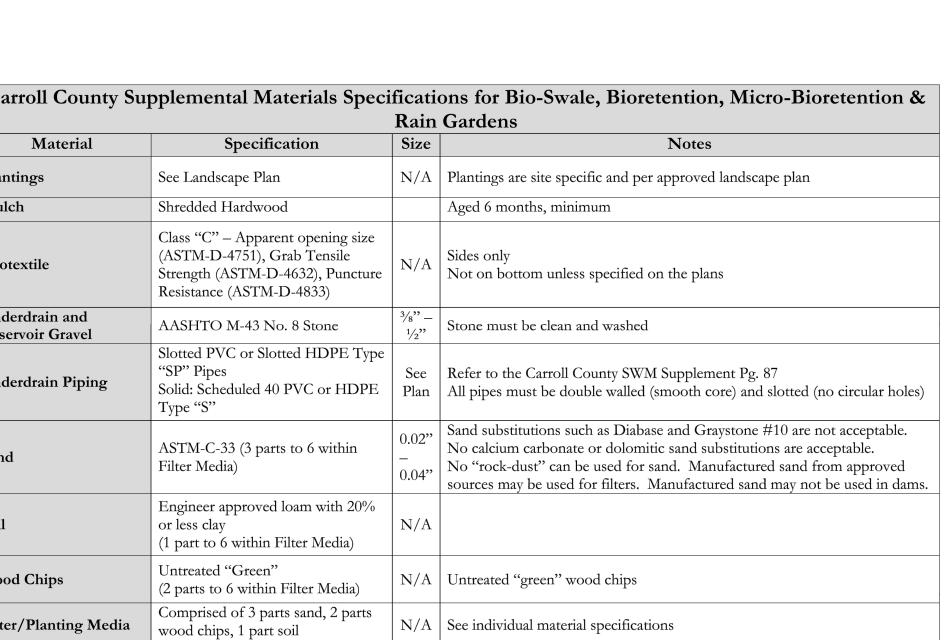
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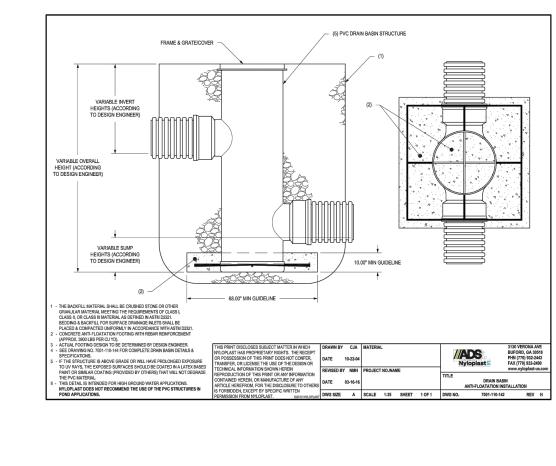
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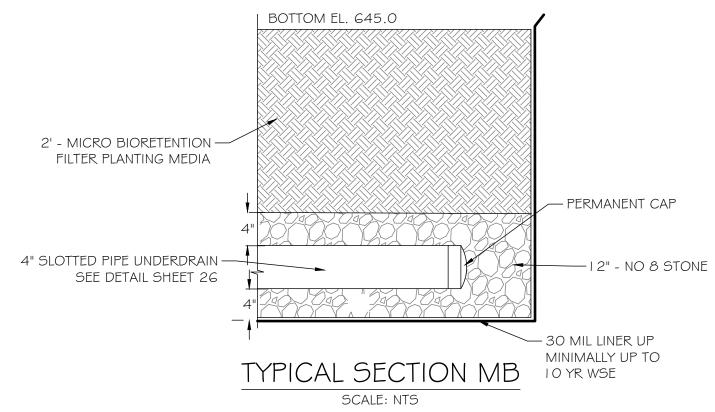
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Carroll County Supplemental Materials Specifications for Bio-Swale, Bioretention, Micro-Bioretention & Rain Gardens Material Size Notes Specification N/A | Plantings are site specific and per approved landscape plan Plantings See Landscape Plan Shredded Hardwood Mulch Aged 6 months, minimum Class "C" – Apparent opening size (ASTM-D-4751), Grab Tensile Sides only N/A | Sides only | Not on bottom unless specified on the plans Geotextile Strength (ASTM-D-4632), Puncture Resistance (ASTM-D-4833) Underdrain and AASHTO M-43 No. 8 Stone Stone must be clean and washed Reservoir Gravel Slotted PVC or Slotted HDPE Type "SP" Pipes See Refer to the Carroll County SWM Supplement Pg. 87 Underdrain Piping Type "S" ASTM-C-33 (3 parts to 6 within No calcium carbonate or dolomitic sand substitutions are acceptable. Filter Media) Engineer approved loam with 20% or less clay (1 part to 6 within Filter Media) Untreated "Green" Wood Chips N/A Untreated "green" wood chips (2 parts to 6 within Filter Media) Comprised of 3 parts sand, 2 parts N/A | See individual material specifications Filter/Planting Media wood chips, 1 part soil







STORMWATER FACILITY DATA T	ADLL - MICKO-DIC	ONLILINITION AND	A	
OWNED & MAINTAINED BY	AJCET RESTORA	TION SERVICES		
STRUCTURE CLASSIFICATION	NON MD-378 DA	AM.		
WATERSHED	WATERSHED #02	21309071046 L	IBERTY RESEVOI	
RECEIVING STREAM CLASSIFICATION	USE II			
CONTRIBUTING AREA	1.37 ACRES			
IMPERVIOUS AREA 0.96 ACRES				
MAX. EMBANKMENT HEIGHT	1.5			
EMBANKMENT WIDTH	N/A - EXCAVATED	FACILITY		
CENTROID COORDINATES:	N 634009.81	E 132626	59.27	
UNIFORM STORMWATER SIZING CRITERIA:	REQUIRED	PROVIDED		
ESD VOLUME (ESD)	7,348	3,381		
OVERBANK FLOOD PROTECTION VOLUME(QP)	,			
EXTREME FLOOD VOLUME(QF)	NOT REQUIRED: NO IMMEDIATE FLOOD HAZARD			

	MICRO BIO-RETENTION INSTALLATION INSPECTIO	N CHART	-
ST	AGE *	INSPECTORS MB	
١.	EXCAVATION TO SUBGRADE	INITIALS	DATE
2.	CONSTRUCTION OF THE RISER STRUCTURE OUTFALL PIPE AND STABILIZATION OF OUTFALL		
3.	GRADE FACILITY TO TEMPORARY BOTTOM ELEVATION AS SHOWN ON ESC PLAN \$ INSTALL TEMPORARY STAND PIPE.		
4.	COMPLETION OF FINAL GRADING, PAVING, CONSTRUCTION OF STRUCTURE, AND ESTABLISHMENT OF 2" STAND OF DENSE GRASS.		
5.	INSTALL 30 MIL LINER PER MANUFACTURERS SPECIFICATIONS. INSTALL BOOTS & BATTENS WHERE APPLICABLE. SEE DETAILS SHEET C-28		
6.	PLACEMENT OF 4" UNDERDRAIN, #8 STONE.		
7.	PLACEMENT OF PLANTING MEDIA.		
8.	INSTALLATION OF MICRO-BIORETENTION LANDSCAPE PLANTINGS.		
9.	SUBMIT AS-BUILT PAPER PRINTS TO DORCHESTER COUNTY WITHIN 60 DAYS OF CONSTRUCTION COMPLETION.		
CO	EASE NOTIFY CERTIFYING ENGINEER 48 HOURS PRIOR MMENCING CONSTRUCTION* GINEER'S NAME: KCI ONE NUMBER: (410) 316 - 7898		

CONTRACTOR TO HIRE GEOTECHNICAL ENGINEER TO INSPECT INSTALLATION/CONSTRUCTION OF MB # I GEOTECH TO BE APPROVED BY KCI.

40'	OWNER AJCET RESTORATION SERVICES 2206 SKYLARK DRIVE WESTMINSTER, MD 21157	DEVELOPER BARTHOLOW ROAD LLC. C/O BAREFOOT LAND CO. 4324 NW 10TH ST CAPE CORAL, FL 33993 MASON NEWBERRY (404) 317 - 9063	ENGINEER KCI TECHNOLOGIES 936 RIDGEBROOK ROAD SPARKS, MD 21152 MATTHEW SICHEL (410) 316 - 7894
		` ,	

SWM - ESD FACILITY MICRO-BIORETENTION ELDERSBURG CROSSROADS SELF STORAGE XXXX SYKESVILLE RD, ELDERSBURG, MD 21784

RAWING NO.

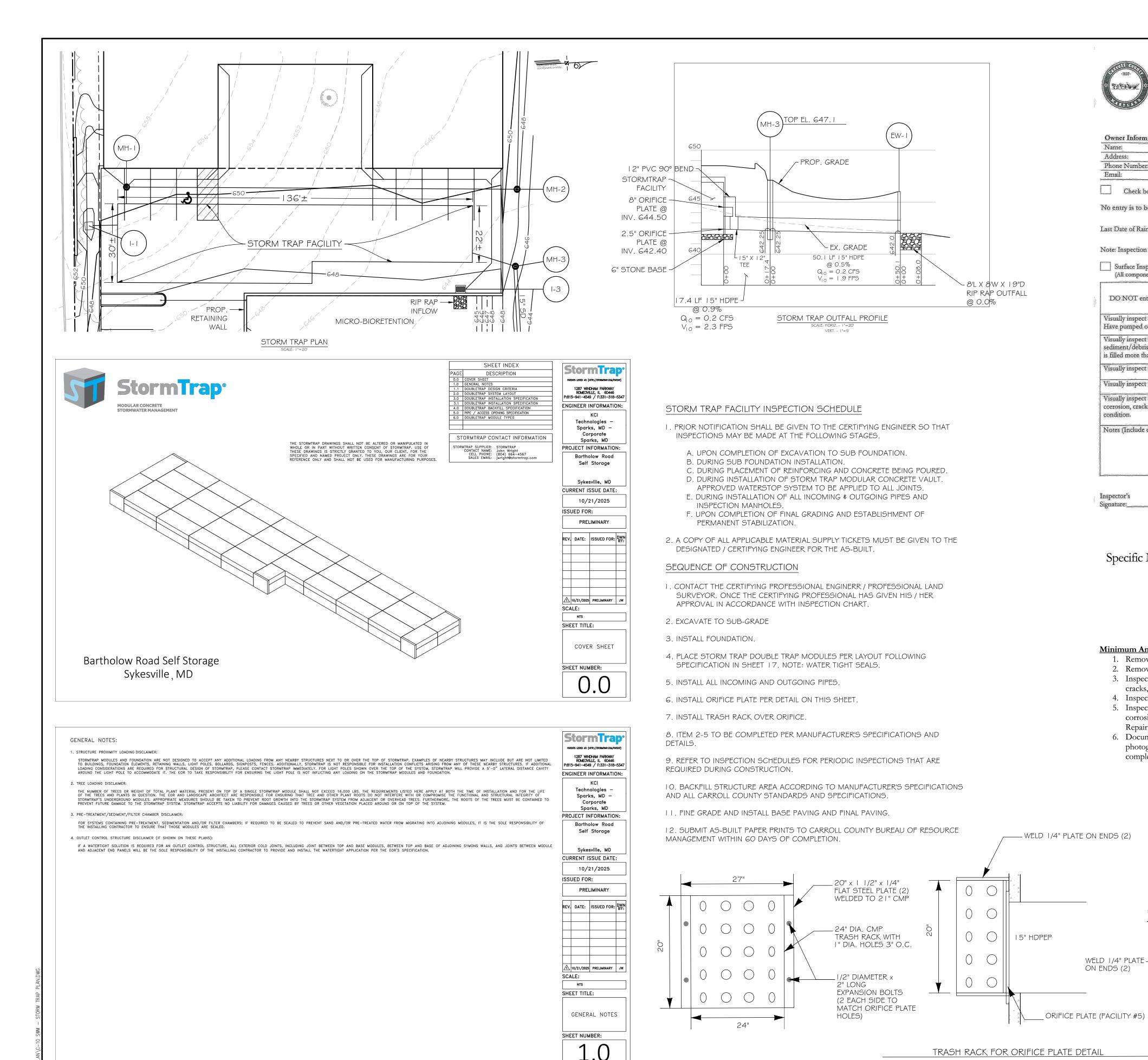
C-09

00049505

EET 09 OF 17

I JOB NUMBER

5TH ELECTION DISTRICT



DEPARTMENT OF LAND AND RESOURCE MANAGEMENT Bureau of Resource Management 225 North Center Street, Room 209, Westminster, MD 2115

TEL 410-386-2712 FAX 410-386-2924 TTY 800-735-2258

ormwater Management Facility Operation & Maintenance Inspection Report for Underground SWM Facility

Owner Information Facility Information Address: Location (i.e. parking lot): Phone Number: As-Built Number: BMP ID: Email:

Check box if new owner No entry is to be made into confined spaces without current OSHA training and certification.

Last Date of Rain:

Note: Inspection should not occur if it has rained in last 3 days

Entry Inspection (1 time every 3 years) Surface Inspection (1 time per year) (All components inspected that can be observed from surface) (All facility components inspected)

DO NOT enter the structure without proper OSHA training and equipment (Indicate not applicable if surface inspection)	Date Maintained or Inspected
Visually inspect inlets/manholes/underground structures for standing water. Have pumped out if present.	#
Visually inspect inlets/manholes/underground structures for presence of sediment/debris. Have material removed and legally disposed of if the structure is filled more than half. (Remove all obstructions to underground inspection)	-
Visually inspect weir wall and low flow orifice for cracks, spalling, and clogging	
Visually inspect trash rack for attachment and debris blockage.	
Visually inspect inlets/manholes/underground structures for integrity (Holes, corrosion, cracks, spalling, separation and missing parts). Repair/replace to good condition.	
Notes (Include description of repairs completed):	

OSHA Training Certificate No. (if applicable)

Specific Maintenance Inspection Schedule for Underground Facilities Carroll County, Maryland

Minimum Annual Inspections & Maintenance (to be included on plans)

- 1. Remove standing water from inlets/manholes/underground structures. 2. Remove accumulated sediments and debris from inlets/manholes/underground structures.
- 3. Inspect inlets/manholes/weir walls, low flow orifice, and the underground structure for cracks, spalling and clogging. Remove clogs.

4. Inspect trash rack for attachment and blockages. Remove blockages.

- 5. Inspect inlets/manholes/weir walls and the underground structure for integrity (holes, corrosion, cracks, spalling, separations and missing parts (manhole lids, grates, plates, etc.). Repair/replace to good condition according to approved plans and specifications.
- 6. Document the above steps using the Carroll County Inspection Report form and required photographs. Owner is responsible for providing copies of this form documenting completed annual maintenance when required.

ORIFICE PLATE

(FACILITY #5)

24" DIA. CMP

TRASH RACK WITH

Annual/Triennial Underground Stormwater Management Facility Operation & Maintenance Inspection Form Instructions:

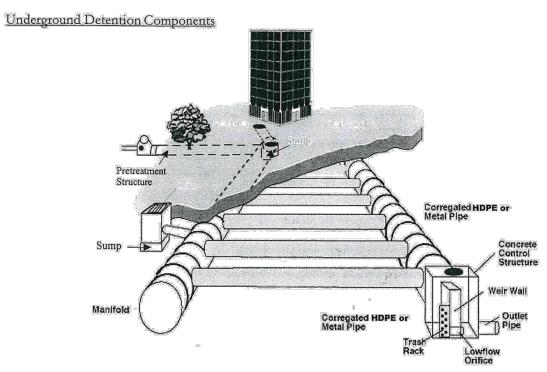
The top portion of the form is to be filled in with the relevant information. One form per facility. Owner Information should be filled in with the contact information of the owner of the facility. If the owner is different than the one listed on the letter, please check the new owner box.

Facility Information as-built number and BMP ID can be obtained from the County letter.

Inspection Information should be completed by the individual completing the inspection.

The Inspection Tasks table needs to be completed by the person inspecting each component. Any maintenance completed should be described in the Notes section.

The Triennial Entry Inspection must be certified by a professional engineer or land surveyor licensed in the state of



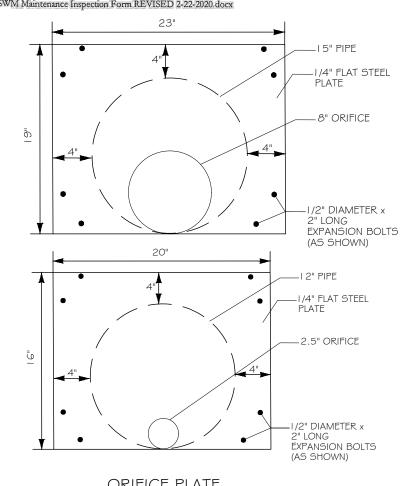
Detail courtesy of NVRC

Photos. Attach date stamped photos of the facility to the inspection report. One photo should be an overall showing the location of the facility and one should be a close-up photo into the facility. Additional photos should depict the cleaned out inlets/manholes/pretreatment structure.

Photos. Attach date stamped photos of the facility to the inspection report. One overall photo, and then photos of the cleaned out inlets/manholes/pretreatment structure and interior photos of the underground facility showing condition of pipes, joints, inverts, weir walls, orifices, and trash racks.

R:\Martin\Updated Forms\SWM Maintenance Inspection Form REVISED 2-22-2020.docx

Annual Inspection:



ST	AGE *	INSPECTORS	APPROV
		INITIALS DAT	
١.	EXCAVATION TO SUBGRADE		
2.	INSTALLATION OF FOUNDATION		
3.	INSTALLATION OF STORM TRAP DOUBLE TRAP MODULES PER LAYOUT FOLLOWING INSTALLATION SPECIFICATIONS ON SHEET 17. APPROVED WATERSTOP SYSTEM TO BE APPLIED TO ALL JOINTS.		
4.	INSTALLATION ALL INCOMING AND OUTGOING PIPES. APPROVED WATERSTOP SYSTEM TO BE APPLIED TO ALL JOINTS.		
5.	INSTALL ORIFICE PLATES AS DETAILED ON THIS SHEET AND INSTALL TRASH RACKS.		
6.	BACKFILL ACCORDING TO MANUFACTURER'S SPECIFICATIONS.		
7.	FINE GRADE AND INSTALL BASE AND FINAL PAVING.		
8.	SUBMIT AS-BUILT PAPER PRINTS TO CARROLL COUNTY BUREAU OF RESOURCE MANAGEMENT WITHIN 60 DAYS OF CONSTRUCTION COMPLETION.		
CO	EASE NOTIFY CERTIFYING ENGINEER 48 HOURS PRIOR MMENCING CONSTRUCTION* GINEER'S NAME: KCI ONE NUMBER: (410) 316 - 7898		

DEVELOPER

BARTHOLOW ROAD LLC

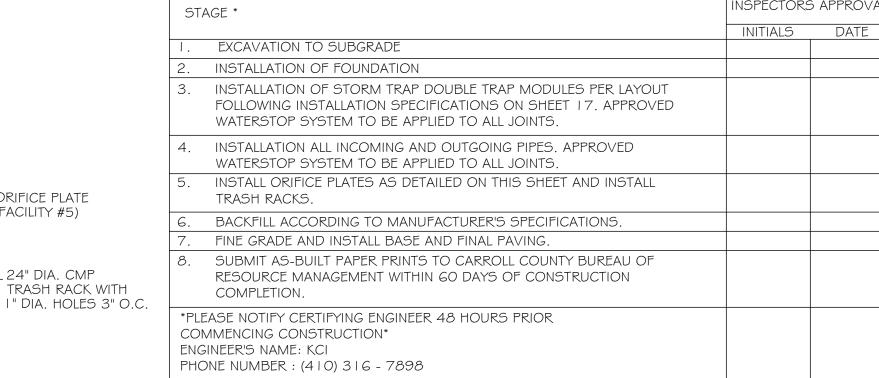
C/O BAREFOOT LAND CO.

4324 NW LOTH ST

CAPE CORAL, FL 33993

MASON NEWBERRY

(404) 317 - 9063



DEVELOPER'S / LANDOWNER'S CERTIFICATION

WE HEREBY CERTIFY THAT ALL PROPOSED WORK SHOWN ON THESE CONSTRUCTION DRAWINGS WILL BE CONDUCTED IN STRICT ACCORDANCE WITH THESE PLANS, IWE ALSO UNDERSTAND THAT IT IS MY/OUR RESPONSIBILITY TO HAVE THE CONSTRUCTION SUPERVISED AND CERTIFIED, INCLUDING THE SUBMITTAL OF AS-BUILT PLANS CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER OR PROFESSIONAL LAND SURVEYOR WITHIN 30 DAYS OF COMPLETION OF WORK ON THE STORMWATER MANAGEMENT FACILITY, IWE ALSO CERTIFY THESE STORMWATER MANAGEMENT FACILITIES WILL BE INSPECTED DURING CONSTRUCTION BY A REGISTERED PROFESSIONAL FNGINFER IN URING CONSTRUCTION BY A REGISTERED PROFESSIONAL ENGINEER IN CCORDANCE WITH PAGES 136-139 OF CHAPTER 136 OF THE ESTMINSTER CITY CODE.

PROFESSIONAL CERTIFICATION 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. 28935 EXPIRATION DATE: 1/15/27

NOT TO SCALE

REVISIONS DATE DESCRIPTION SCIENTISTS CONSTRUCTION MANAGERS 936 RIDGEBROOK ROAD Sparks, Maryland 21152 TELEPHONE: (410) 316-7800 Fax: (410) 316-7818 TECHNOLOGIES

WELD 1/4" PLATE -ON ENDS (2)

> SWM - ESD FACILITY STORM TRAP PLAN **ELDERSBURG CROSSROADS** SELF STORAGE

> > XXXX SYKESVILLE RD,

ELDERSBURG, MD 21784

OWNER

AJCET RESTORATION

SERVICES

2206 SKYLARK DRIVE

ESTMINSTER, MD 2115'

RAWING NO. HEET IO OF 17 00049505 **5TH ELECTION DISTRICT**

ENGINEER

KCI TECHNOLOGIES

936 RIDGEBROOK ROAD

SPARKS, MD 21152

MATTHEW SICHEL

(410)316 - 7894

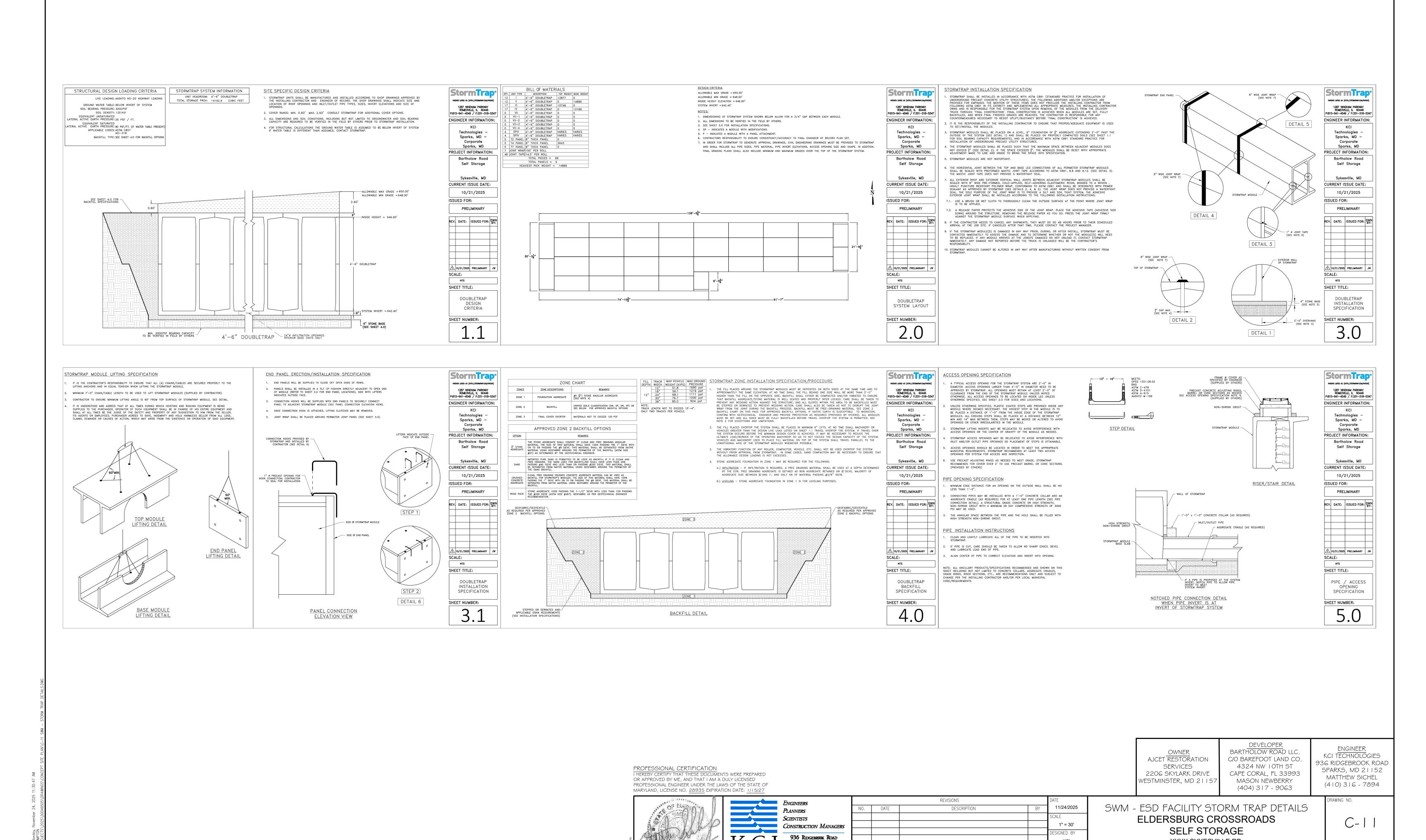
HEREBY CERTIFY THAT THE FACILITY SHOWN ON THIS PLAN WAS CONSTRUCTED AS SHOWN ON THE AS-BUILT PLANS AND MEETS THE APPROVED PLANS AND SPECIFICATIONS. I ALSO CERTIFY THAT THIS PLAN WAS INSPECTED IN ACCORDANCE WITH 136-22 AND 136-23 OF THE WESTMINSTER CITY CODE. SEAL NO.

ENGINEER'S AS-BUILT CERTIFICATION

ENGINEER'S DESIGN CERTIFICATION HEREBY CERTIFY THAT THESE PLANS HAVE BEEN DESIGNED ACCORDING O CHAPTER 136 OF THE WESTMINSTER CITY CODE, ENTITLED SIGNED DATE

SEAL NO.

11/24/2025 1" = 30' SIGNED BY KCI CARROLL COUNTY



Sparks, Maryland 21152 Telephone: (410) 316-7800

Fax: (410) 316-7818

TECHNOLOGIES

5-25-0026

HEET II OF 17

00049505

CI JOB NUMBER

5TH ELECTION DISTRICT

KCI

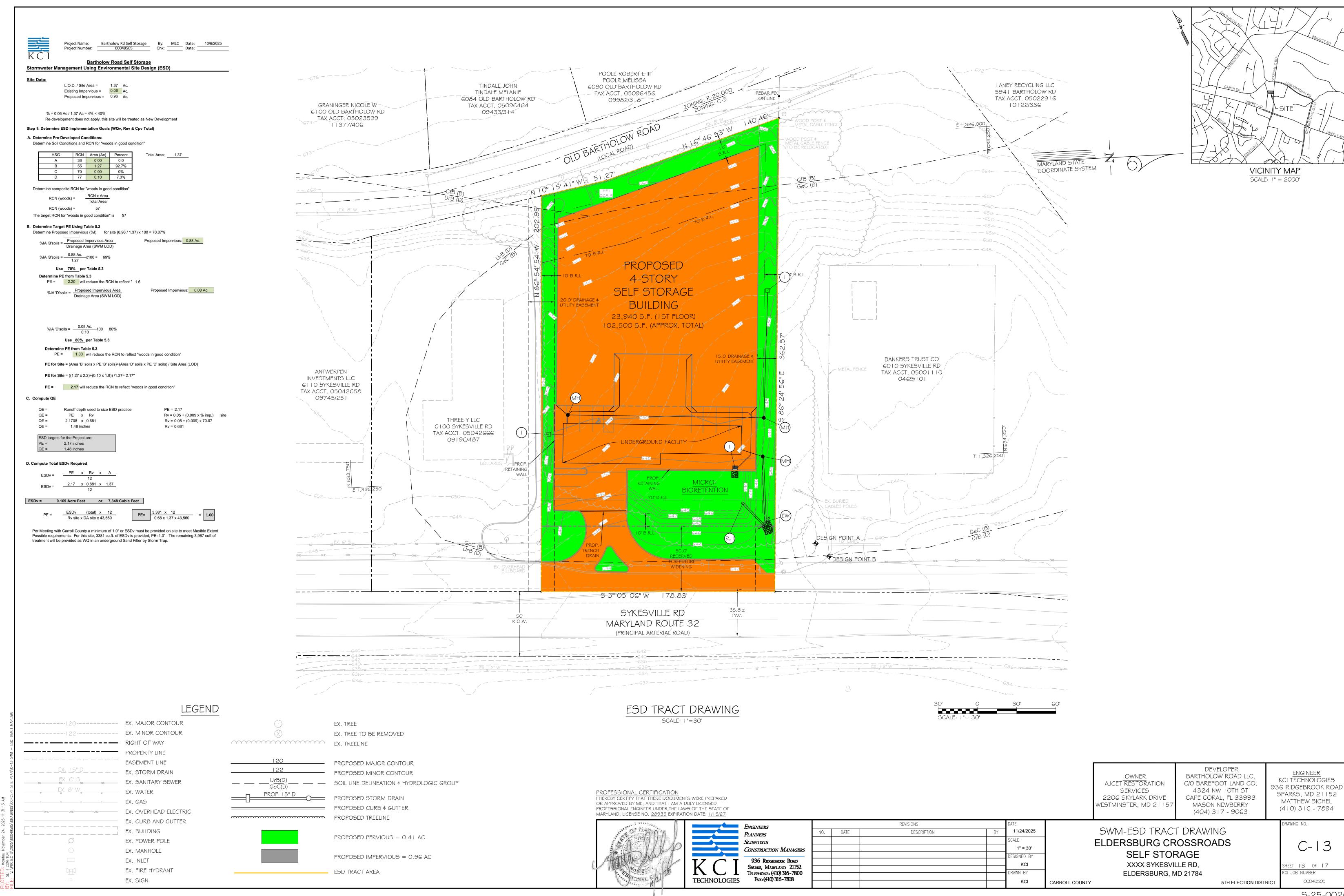
KCI

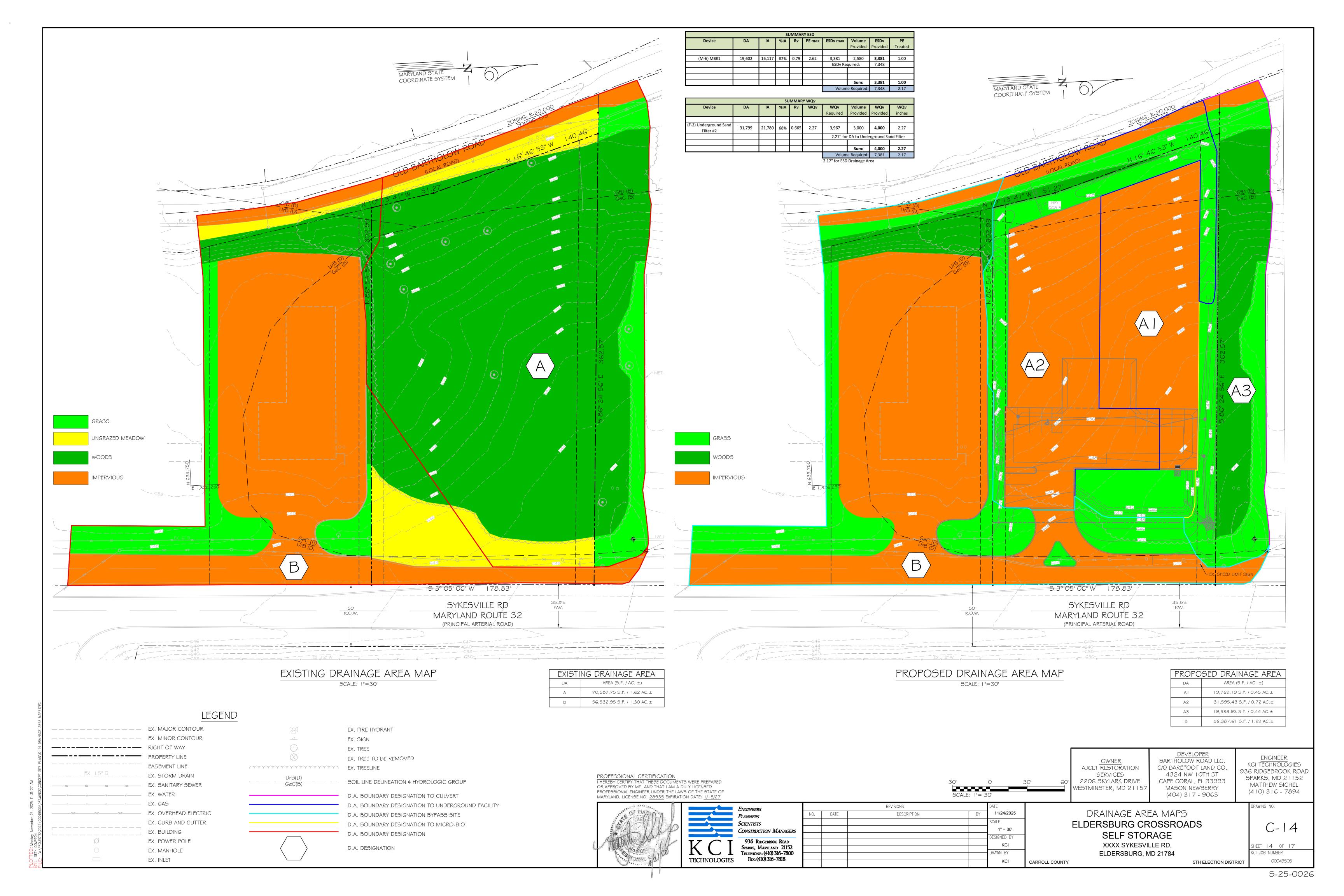
CARROLL COUNTY

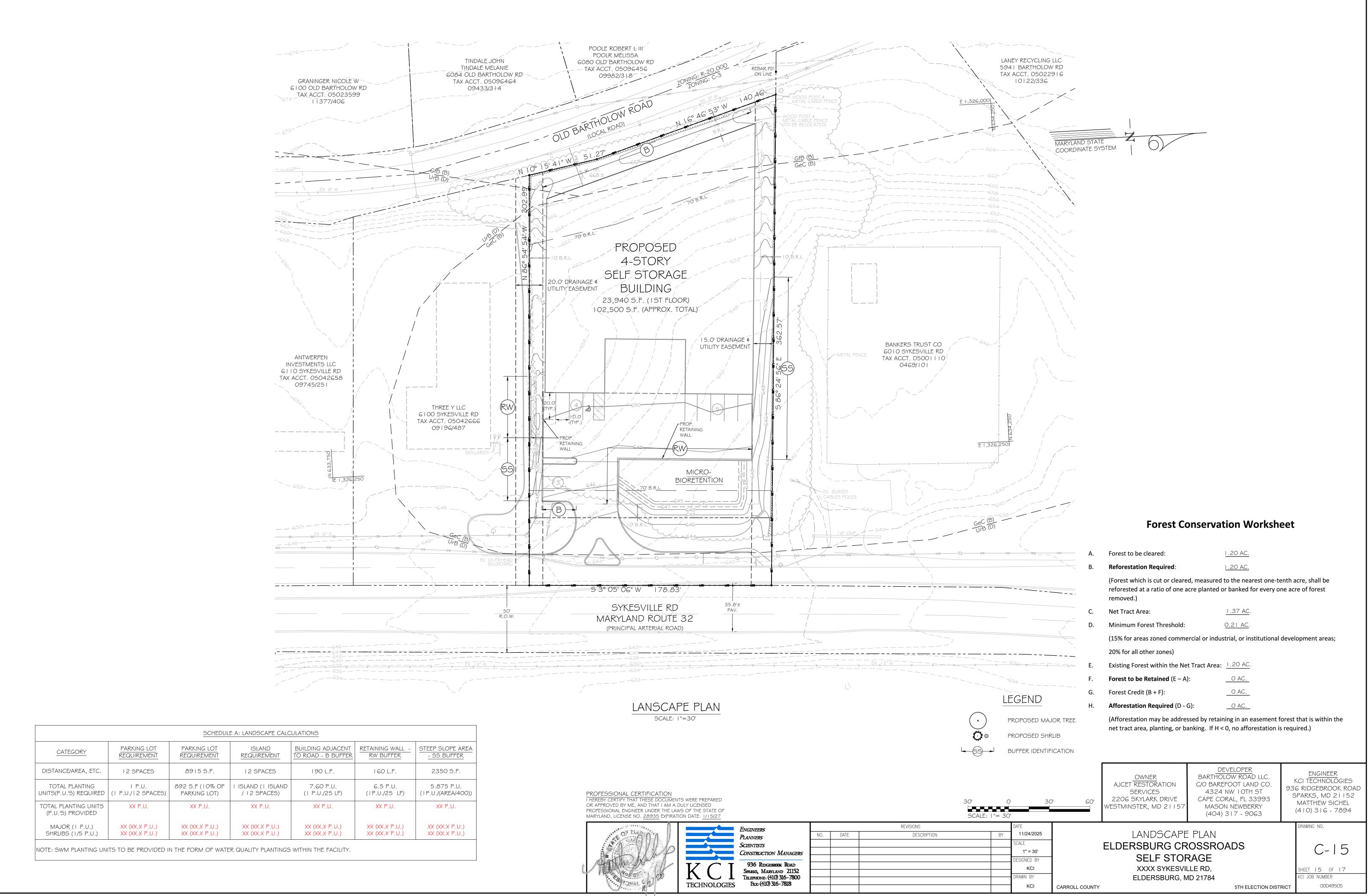
XXXX SYKESVILLE RD,

ELDERSBURG, MD 21784









Luminaire Schedule Lum. Watts Part Number OSQW-4M-8L OSQW-C-8L-40K7-4M-UL-WM-__ Calculation Summary (Footcandles calculated using LMF: 1.00) Max/Min All Calc Points 0.23 3.8 N.A. N.A. Building Height: 4-Stories Additional Equipment: *** CUSTOMER TO VERIFY ORDERING INFORMATION AND $\overset{\bullet}{0.0}$ $\overset{\bullet}$ CATALOGUE NUMBER PRIOR TO PLACING ORDER *** 0.02.4 1.5 1.0 0.7 0.4 0.1 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.1 2.1 1.3 0.9 0.4 0.1 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.00.0 0.0 0. OSOW-4M-8L 0.0 0.0 0.0 MH: 20 3.3 2.3 1.4 0.9 0.4 0.2 0.1 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.0 1.8 1.3 1.0 0.6 0.3 0.1 0 1 0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 \0.0 0.0 3.4 2.4 1.4 1.0 0.5 0.2 0.1 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.00.0 0.0 0.0 0.0 3.8 2.6 1.4 1.0 / 0.5 0.2 0,1 / 0,1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.4 2.2 1.4 1.0 0.5 0.2 / 9.1 / 0.1 0.0 0.0 0.0 0.0 0.0 0.0 •0.0 •0.0 •0.0 \\o\o\ 3.0 2.0 1.4 1.2 0.7 0.3 0.1 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 2.7 2.0 1.5 1.3 0.7 0.3 0.1 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.02.0 1.3 1.0 0.6 0.3 0.1 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3 6 2.5 1.5 0.9 0.4 0.2 0 1 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 MH: 20 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.4 2.4 1.4 0.9 0.4 0.2 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 •0.0 •0.0 •0.0 •0.0 •0.0 \ •0.0 2.8 1 6 1.1 0.8 0.1 0.1 0.1 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.00.0 $\overset{\bullet}{0}.0$ $\overset{\bullet}$ llumination results shown on this lighting design are based on project parameters provided to
Cree Lighting used inconjunction with luminaire Layout By: Project Name: Self Storage - 6050 block of Route 32 (Sykesville Road), Eldersburg, MD 21784 - EXT Scale 1" = 16' Collin Witherow onditions. Actual project conditions differing Filename: 251107SS1CJW.AGI Footcandles calculated at grade RC: AE-00700475 9201 Washington Ave, Racine, WI 53406 - (800) 236-6800 verifying dimensional accuracy along with Date:11/7/2025 https://www.creelighting.com - Email: applications@creelighting.com compliance with any applicable electrical, lighting, or energy code.

