

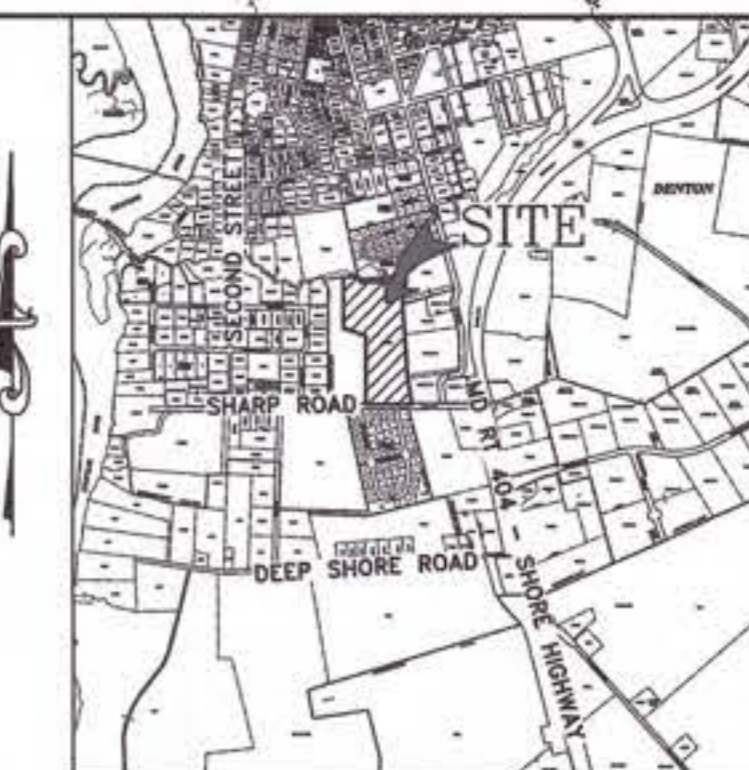
PARK IMPROVEMENT PLANS

FOR

CAROLINE COUNTY RECREATION & PARKS

IN THE TOWN OF DENTON

CAROLINE COUNTY, MARYLAND



LOCATION MAP
SCALE: 1" = 2,000'

REVISIONS TO APPROVED PLANS			
No.	DATE	DESCRIPTION	BY

APPROVED:

TOWN OF DENTON PLANNING COMMISSION CHAIRPERSON _____ DATE _____

APPROVED:

TOWN OF DENTON TOWN ADMINISTRATOR _____ DATE _____

APPROVED:

TOWN OF DENTON DIRECTOR OF PLANNING & CODES _____ DATE _____

APPROVED:

CONSULTANT ENGINEER _____ DATE _____

I, CAROLINE COUNTY RECREATION & PARKS, SHALL MAINTAIN IN GOOD CONDITION ALL ENVIRONMENTAL SITE DESIGN PRACTICES (§106-26.A.).

6/11/25
DATE

OWNERS CERTIFICATE

1. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR OR SUBCONTRACTOR TO NOTIFY THE ENGINEER OF ANY DEVIATION FROM THIS PLAN. ANY CHANGES MADE ON THIS PLAN WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER WILL PLACE RESPONSIBILITY FOR SAID CHANGE ON THE CONTRACTOR OR SUBCONTRACTOR.

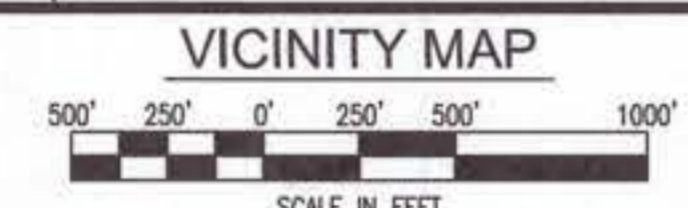
2. ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATION OF ATTENDANCE AT THE DEPARTMENT OF ENVIRONMENT APPROVED TRAINING FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT.

6/11/25
DATE

STORMWATER MANAGEMENT FACILITY CONSTRUCTION CERTIFICATE

I, CAROLINE COUNTY RECREATION & PARKS, HEREBY CERTIFY AN "AS-BUILT" SURVEY OF THE STORMWATER MANAGEMENT FACILITY WILL BE PERFORMED AND IN THE EVENT THE "AS-BUILT" FACILITY DOES NOT SUBSTANTIALLY REFLECT THE STORMWATER FACILITY DESIGN, I SHALL HAVE THE CONTRACTOR AND/OR THE SUBCONTRACTOR MAKE THE NECESSARY CHANGES OR MODIFICATIONS TO BRING THE STORMWATER FACILITY IN COMPLIANCE WITH THE DESIGN AS DIRECTED BY THE TOWN ENGINEER.

6/11/25
DATE



INDEX OF SHEETS

PDF SHEET	SHEET No.	TITLE
1	G-101	TITLE SHEET
2	G-102	PROJECT NOTES
3	G-103	LEGEND & ABBREVIATIONS
4	V-101	EXISTING CONDITIONS & DEMOLITION PLAN
5	C-101	OVERALL SITE CONTEXT PLAN
6	C-102	SITE & UTILITY PLAN
7	C-102.1	SITE & UTILITY PLAN
8	C-102.2	SITE & UTILITY PLAN
9	C-102.3	SITE & UTILITY PLAN
10	C-102.4	SITE & UTILITY PLAN
11	C-103	SITE GRADING, SEDIMENT & EROSION CONTROL PLAN
12	C-103.1	SITE GRADING, SEDIMENT & EROSION CONTROL PLAN
13	C-103.2	SITE GRADING, SEDIMENT & EROSION CONTROL PLAN
14	C-103.3	SITE GRADING, SEDIMENT & EROSION CONTROL PLAN
15	C-103.4	SITE GRADING, SEDIMENT & EROSION CONTROL PLAN
16	C-201	STORMDRAIN PROFILES
17	C-501	SEDIMENT & EROSION CONTROL NOTES & DETAILS
18	C-501.1	SEDIMENT & EROSION CONTROL NOTES & DETAILS
19	C-502	STORMWATER MANAGEMENT DETAILS
20	C-503	SITE DETAILS
21	L-101	LANDSCAPE NOTES & SPECIFICATIONS
22	L-102	LANDSCAPE PLANTING PLAN

REVIEWED FOR CAROLINE SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

APPROVED: *[Signature]* 6/11/2025
DATE

CAROLINE SOIL CONSERVATION DISTRICT

NOTE: THE CAROLINE SOIL CONSERVATION DISTRICT RESERVES THE RIGHT TO ADD, DELETE, MODIFY, OR OTHERWISE ALTER THE SOIL EROSION AND SEDIMENT CONTROL PROVISIONS OF THIS PLAN IN THE EVENT ADDITIONAL PROTECTION BECOMES NECESSARY.

DEVELOPERS CERTIFICATE

I HEREBY CERTIFY THAT ALL THE DEVELOPMENT AND/OR CONSTRUCTION SHALL BE DONE ACCORDING TO THIS PLAN OF EROSION AND SEDIMENT CONTROL.

[Signature] 01-24-2025
DATE

CAROLINE COUNTY RECREATION & PARKS
C/O JAMIE BEECHEY
107 SOUTH FOURTH STREET
DENTON, MARYLAND 21629
(410) 479-8136

- ANY CLEARING, GRADING CONSTRUCTION OR DEVELOPMENT, OR ALL OF THESE, WILL BE DONE PURSUANT TO THIS PLAN. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR OR SUBCONTRACTOR TO NOTIFY THE ENGINEER OF ANY DEVIATIONS FROM THIS PLAN. ANY CHANGE MADE IN THIS PLAN WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER WILL PLACE RESPONSIBILITY FOR SAID CHANGE ON THE CONTRACTOR OR THE SUBCONTRACTOR.
- ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION OF THIS PROJECT WILL HAVE A CERTIFICATE OF TRAINING AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SOIL EROSION AND SEDIMENT CONTROL BEFORE BEGINNING THE PROJECT.
- THE DEVELOPER WILL PROVIDE THE DISTRICT ONE COPY OF A RED LINE AS-BUILT DRAWING OF EACH FACILITY REQUIRING A STATE POND PERMIT.

NOTICE OF INTENT (NOI) STATEMENT

THE FOLLOWING ITEMS HAVE BEEN ADDRESSED TO MEET THE REQUIREMENTS OF THE GENERAL PERMIT FOR STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY (NPDES NUMBER MDRC, STATE DISCHARGE PERMIT NUMBER 20 CP):

- UTILIZATION OF ENVIRONMENTAL SITE DESIGN
- MAINTENANCE OF LIMITS OF DISTURBANCE TO PROTECT NATURAL AREAS
- CONTROL OF CONSTRUCTION EQUIPMENT AND VEHICLES
- EVALUATION AND APPROPRIATE LIMITATION OF SITE CLEARING
- EVALUATION AND DESIGNATION OF SITE AREA FOR PHASING OR SEQUENCING
- IDENTIFICATION OF SOILS AT HIGH RISK FOR EROSION AND ADVANCED STABILIZATION TECHNIQUES TO BE USED
- IDENTIFICATION OF STEEP SLOPES AND DESIGNATION OF LIMITATIONS ON CLEARING THEM
- EVALUATION AND DESIGNATION OF STABILIZATION REQUIREMENTS AND TIME LIMITS AND PROTECTION MEASURES FOR DISCHARGES TO THE CHESAPEAKE BAY, IMPAIRED WATERS OR WATERS WITH AN ESTABLISHED TOTAL MAXIMUM DAILY LOAD (TMDL).

NOTE TO CONTRACTOR:
EROSION AND SEDIMENT CONTROL WILL BE STRICTLY ENFORCED.

STATEMENT OF PURPOSE & INTENT

THE PURPOSE OF THESE PLANS IS TO OBTAIN SITE PLAN APPROVAL AND PROVIDE NECESSARY INFORMATION TO CONSTRUCT COMMUNITY ATHLETIC FIELDS AND ASSOCIATED SITE IMPROVEMENTS.

SITE ADDRESS
320 SHARP ROAD
DENTON, MARYLAND 21629

OWNER/DEVELOPER
CAROLINE COUNTY RECREATION & PARKS
C/O JAMIE BEECHEY, DIRECTOR
107 SOUTH FOURTH STREET
DENTON, MARYLAND 21629
(410) 479-8136

CIVIL ENGINEER
LANE ENGINEERING, LLC
C/O TIMOTHY W. GLASS, P.E.
117 BAY STREET
EASTON, MD 21601
(410) 822-8003

UTILITY CONTACTS

WATER, SANITARY SEWER, DRAINAGE/STORMWATER MANAGEMENT
TOWN OF DENTON
TOWN ENGINEER
650 LEGION ROAD
DENTON, MD 21629
(410) 479-5446

ELECTRIC
CHOPTANK ELECTRIC
10384 RIVER ROAD
DENTON, MD 21629
(877) 892-0001

TELEPHONE & CABLE
VERIZON
1401 MOUNT HERMAN ROAD
SAUSURY, MD 21804
(410) 860-8029

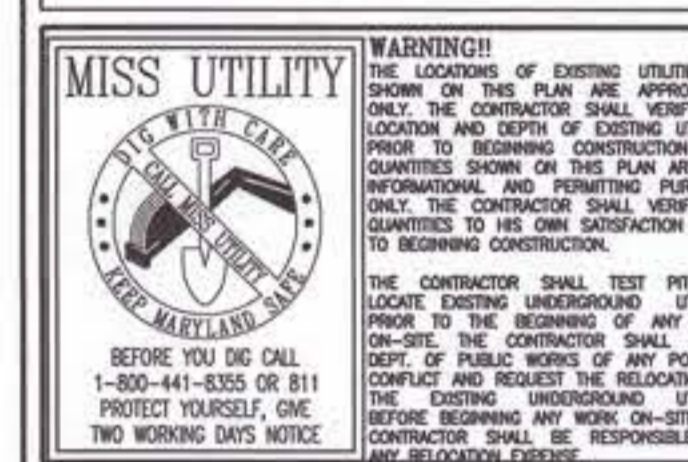
CABLE
COMCAST/XFINITY
914 BAY RIDGE ROAD, SUITE 210
ANNAPOLIS, MD 21403
(800) 934-6489

PERMITTING AGENCIES

TOWN OF DENTON
PLANNING & CODES
13 N. THIRD STREET
DENTON, MD 21629
(410) 479-3625

CAROLINE COUNTY SOIL
CONSERVATION DISTRICT
9194 LEGION ROAD, SUITE 3
DENTON, MD 21629
(410) 479-1202

MD DEPARTMENT OF
THE ENVIRONMENT
MDE EASTERN REGION
8471ST STREET, SUITE 22
SAUSURY, MD 21801
(410) 713-3682



Lane Engineering, LLC
Established 1986
Civil Engineers • Land Planning • Land Surveyors

117 Bay St. Easton, MD 21601 (410) 822-8003
15 Washington St. Centerville, MD 21613 (410) 221-0818
354 Pennsylvania Ave. Centerville, MD 21617 (410) 758-2095

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. 23182, Expiration Date: 7/25/2025.



TITLE SHEET

SHARP ROAD PARK
SPORTS COMPLEX

IN THE TOWN OF DENTON
CAROLINE COUNTY, MARYLAND
TAX MAP 105 GRID 22 PARCEL 2292

ISSUED/REVISED FOR: DATE: BY:
PLANNING COMMISSION SUBMITTAL 12/13/24 TWG
AGENCY SUBMITTAL 01 01/24/25 TWG
AGENCY SUBMITTAL - FINAL 03/10/25 TWG
AGENCY SUBMITTAL - FINAL 03/27/25 TWG
FINAL APPROVAL 06/10/25 TWG

SHEET No. **G-101**

SCALE: **AS NOTED**

JOB No. 240183

FILE No. 3057

PROJECT DATA

PROPERTY: TAX MAP 105, PARCEL 2292
320 SHARP ROAD
DENTON, MARYLAND 21629
OWNER: TOWN OF DENTON
C/O
4 NORTH SECOND STREET
DENTON, MARYLAND 21629
(410) 479-3625
DEVELOPER: CAROLINE COUNTY RECREATION & PARKS
C/O JAMIE BECHEY, DIRECTOR
107 SOUTH FOURTH STREET
DENTON, MARYLAND 21629
(410) 479-8136
DEED REFERENCE: 350/366
PLAT REFERENCE: 6/48A & 13/59
PROJECT HISTORY: MINOR SUBDIVISION APPROVED BY PLANNING COMMISSION - SEPTEMBER 10, 2024
ZONING CLASSIFICATION: MR - MIXED RESIDENTIAL

SITE AREA: LOT 1: 9.388 ACRES±
LOT 2: 6.235 ACRES±
LOT 3: 8.232 ACRES±
TOTAL SITE: 23.855 ACRES±
BUILDING SETBACKS: FRONT - 25'
REAR - 20'
SIDE - 10' (20' AGGREGATE)

MAXIMUM BUILDING HEIGHT PERMITTED: 40' (3 STORIES)
BUILDING HEIGHT PROPOSED: N/A

EXISTING CONDITIONS: EXISTING COMMUNITY PARK WITH GRAVEL ACCESS/PARKING, BASKETBALL COURT, BATHROOMS, AND ASPHALT WALKING TRAIL THROUGHOUT THE PROPERTY.

PROPOSED DEVELOPMENT: PROPOSED PARK DEVELOPMENT INCLUDING JUNIOR BASEBALL AND SOFTBALL SPORTS FIELD, JUNIOR SOCCER FIELD, ASSOCIATED SITE PARKING AND STORMWATER MANAGEMENT.

STORMWATER MANAGEMENT: MICRO BIO-RETENTION ENVIRONMENTAL SITE DESIGN FEATURE PROPOSED TO ADDRESS WATER QUALITY REQUIREMENTS AND PROVIDE WATER QUANTITY MANAGEMENT FOR THE 2 AND 10-YEAR PEAK STORM EVENTS.

FOREST CONSERVATION: ADDRESSED BY CONSERVING EXISTING FOREST AT AN OFFSITE LOCATION IN DENTON. REFER TO SEPARATE FOREST CONSERVATION PLAN BY LANE ENGINEERING, LLC.

SPECIAL EXCEPTIONS/VARIANCES: NONE.

REFUSE/TRASH: PUBLIC TRASH CANS PROVIDED THROUGHOUT THE SITE, TO BE MANAGED/DISPOSED BY CAROLINE COUNTY RECREATION & PARKS.

SITE LIGHTING: GENERAL SITE LIGHTING PROVIDED FOR SITE SAFETY AND SECURITY. NO MORE THAN 1 FOOT CANDLE TO EXTEND BEYOND PROPERTY LINES. NIGHT SKY, LOW CUT-OFF LUMINAIRES PROPOSED. FIELD LIGHTING TO BE PROVIDED ONLY WHEN REQUIRED, CONTROLLED BY CAROLINE COUNTY RECREATION & PARKS. REFER TO SEPARATE APPROVED PHOTOMETRIC PLAN FOR FIELD LIGHTING.

PARKING CALCULATIONS

TOTAL SITE PARKING REQUIRED: NO SPECIFIC REQUIREMENTS FOR PARKS; PER PLANNING COMMISSION APPROVAL
TOTAL SITE PARKING PROVIDED: LOT 3: 64 SPACES

ADA ACCESSIBLE PARKING SPACES REQUIRED: 3 ADA SPACES; 2 STANDARD & 1 VAN
ADA ACCESSIBLE PARKING SPACES PROPOSED: 3 STANDARD & 1 VAN (4 TOTAL)
OFF-STREET LOADING SPACE(S): NOT REQUIRED BASED ON USE. ADEQUATE SPACE AVAILABLE FOR ANTICIPATED DELIVERIES

BIKE RACK: 2 BIKE RACKS PROVIDED TO MEET ANTICIPATED NEED

PROJECT NOTES

- 1. PROPERTY BOUNDARY AND EXISTING CONDITIONS SURVEYED BY LANE ENGINEERING, LLC ON 05/15/24.
2. THE SITE TOPOGRAPHY AS SHOWN HEREON WAS TAKEN FROM TOPOGRAPHY DATED 2013 BY CAROLINE COUNTY AND ARE APPROXIMATE ONLY.
3. THE ELEVATIONS SHOWN HEREON ARE NAVD 1988 DATUM.
4. THE COORDINATES SHOWN HEREON ARE BASED ON THE MARYLAND STATE PLANE COORDINATE SYSTEM NAD83 (2011).
5. THE SITE IS LOCATED ENTIRELY OUTSIDE OF THE CHESAPEAKE BAY CRITICAL AREA.
6. THE PROPERTY SHOWN HEREON IS NOT LOCATED IN THE NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SPECIAL FLOOD HAZARD AREA (SFHA) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD. THE PROPERTY IS MAPPED IN THE X FLOOD ZONE(S) AS SHOWN ON THE FEDERAL INSURANCE RATE MAPS FOR COMMUNITY NO. 240104, MAP NO. 2401100227D FOR TOWN OF DENTON, MARYLAND. THE 1% ANNUAL CHANCE FLOOD (100-YEAR FLOOD), ALSO KNOWN AS THE BASE FLOOD, IS THE FLOOD THAT HAS A 1% CHANCE OF BEING EQUALED OR EXCEEDED IN ANY GIVEN YEAR. THE SFHA IS THE AREA SUBJECT TO FLOODING BY THE 1% ANNUAL CHANCE FLOOD. THE SFHA INCLUDE ZONES A, AE, AH, AO, AR, A99, V & VE. THE BASE FLOOD ELEVATION (BFE) IS THE WATER SURFACE ELEVATION OF THE 1% ANNUAL CHANCE FLOOD. FLOOD INSURANCE MAY BE REQUIRED FOR STRUCTURES LOCATED IN THE SPECIAL FLOOD HAZARD AREA.
FLOOD ZONE LEGEND
ZONES A, AE, AH, AO, AR, A99, V & VE - 1% ANNUAL CHANCE FLOOD
ZONE X (SHADED) - 0.2% ANNUAL CHANCE FLOOD
ZONE X - AREA OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD
7. THE FLOOD DATA SHOWN HEREON IS BASED ON AVAILABLE MAPPED AND/OR DIGITAL INFORMATION AND IS DEPICTED AS DIRECTED AND REQUIRED BY FEDERAL, STATE AND LOCAL REGULATIONS. IT IS SUBJECT TO DATA INACCURACIES AND REGULATORY CHANGE AND SHOULD BE VERIFIED PRIOR TO FINALIZING DEVELOPMENT OR IMPROVEMENT PLANS FOR THE SUBJECT LANDS.
8. NON-TIDAL WETLAND AND BUFFER PERMIT REQUIRED FOR IMPACTS RELATED TO THE STORMWATER MANAGEMENT OUTFALL AND ENTRANCE CULVERT, BY OWNER.
9. PUBLIC WATER AND SEWER SERVICES ARE PROVIDED BY THE TOWN OF DENTON.

GENERAL NOTES:

- 1. THESE DRAWINGS SHOW INFORMATION FROM THE BEST AVAILABLE RECORDS REGARDING PIPES, CONDUITS, TELEPHONE LINES, AND OTHER STRUCTURES AND CONDITIONS, WHICH EXIST ALONG THE LINE OF WORK, BOTH AT AND BELOW THE SURFACE OF THE GROUND. THE OWNER AND THE ENGINEER DISCLAIM ANY RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF SAID INFORMATION WHICH IS SHOWN ONLY FOR THE CONVENIENCE OF THE CONTRACTOR, WHO MUST VERIFY THE INFORMATION GIVEN TO HIS OWN SATISFACTION. IF THE CONTRACTOR RELIES ON SAID INFORMATION, HE DOES SO AT HIS OWN RISK. THE CONTRACTOR SHALL SUPPORT AND PROTECT ALL PIPES, CONDUITS, TELEPHONE LINES AND OTHER STRUCTURES. SHOULD ANY DAMAGE OCCUR TO UTILITIES, IT SHALL BE REPAIRED SOLELY AT THE CONTRACTOR'S EXPENSE.
2. LANE ENGINEERING, LLC SHALL NOT BE RESPONSIBLE FOR CONTRACTOR MEANS AND METHODS OR FOR ERRORS OR OMISSIONS OF THE CONTRACTOR OR SUBCONTRACTORS FOR THEIR FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE INTENT OF THE CONTRACT DOCUMENTS. ANY ERROR, OMISSION OR DEFECT DISCOVERED IN THE CONTRACT DOCUMENTS SHALL BE PROMPTLY BROUGHT TO THE ATTENTION OF LANE ENGINEERING, LLC BY WRITTEN NOTICE BEFORE PROCEEDING WITH THE WORK.
3. ALL MATERIALS AND METHODS OF CONSTRUCTION AND TESTING SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, LOCAL BUILDING CODES, AND THE STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS AND UTILITY CONSTRUCTION IN TOWN OF DENTON, MARYLAND.
4. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AT LEAST TWO WEEKS PRIOR TO THE START OF CONSTRUCTION TO SCHEDULE A PRE-CONSTRUCTION MEETING TO REVIEW PLANS AND BECOME FAMILIAR WITH ALL PERMITS
MARYLAND DEPARTMENT OF THE ENVIRONMENT (410) 901-4020
CAROLINE COUNTY SOIL CONSERVATION DISTRICT (410) 479-1202
TOWN OF DENTON (410) 479-5446
LANE ENGINEERING, LLC (410) 822-8003
CAROLINE COUNTY RECREATION & PARKS (410) 479-8136
5. THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR ANY DEVIATION FROM THESE PLANS.
6. THE OWNER IS RESPONSIBLE FOR THE ACQUISITION AND DEDICATION OF ALL EASEMENTS, BOTH TEMPORARY AND PERMANENT.
7. IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM SUCH WORK.
8. ALL CONCRETE USED FOR MISCELLANEOUS UTILITY WORK SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI. ALL CONCRETE USED FOR ON-SITE CURB, GUTTER AND SIDEWALK SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3500 PSI. ALL CONCRETE SHALL BE MANUFACTURED AND DELIVERED BY STATE CERTIFIED MANUFACTURERS. ALL CONCRETE SHALL BE HANDLED AND PLACED ACCORDING TO ACI STANDARDS.
9. TRENCHES SHALL NOT REMAIN OPEN OVERNIGHT.
10. SHOP DRAWINGS FOR ALL MATERIALS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
11. ALL UTILITY SYSTEMS MUST BE INSPECTED AND APPROVED BY TOWN OF DENTON OR ITS AUTHORIZED REPRESENTATIVE.
12. THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF REDLINED AND ELECTRICAL VERSIONS OF AS-BUILT DRAWINGS TO THE TOWN OF DENTON DEPARTMENT OF PUBLIC WORKS. UTILITIES SHALL BE SURVEYED, LOCATED AND CERTIFIED BY THE ENGINEER. ANY CHANGES FROM THE APPROVED DRAWINGS REGARDING THE WATER SYSTEM, SANITARY SEWER, STORM SEWER, AND ROADWAYS SHALL BE DOCUMENTED WITH A RED INK PEN ON A CLEAN SET OF DRAWINGS. ALL SERVICE LATERAL LOCATIONS, WATER, SEWER, AND GAS, IF APPLICABLE, SHALL BE MARKED ON DRAWINGS IN A NEAT, ACCURATE AND DISCERNIBLE MANNER. APPROVAL OF INFRASTRUCTURE WILL NOT BE GRANTED UNTIL MARKED AS-BUILTS AND ELECTRONIC AS-BUILTS HAVE BEEN RECEIVED BY THE TOWN OF DENTON. COORDINATE AND REVIEW ALL CHANGES WITH THE ENGINEER PRIOR TO CONSTRUCTION.
13. THERE SHALL NOT BE ANY PIPE OR DUCT BACK-FILLED UNTIL INSPECTED AND APPROVED BY TOWN OF DENTON OR ITS AUTHORIZED REPRESENTATIVE.
14. CONTRACTOR SHALL COORDINATE WITH TOWN OF DENTON FOR ALL REQUIRED INFRASTRUCTURE INSPECTIONS PRIOR TO CONTINUING WORK. ALL WORK MUST BE INSPECTED AND APPROVED PRIOR TO CONTINUING CONSTRUCTION. ADDITIONAL TESTING OF ANY UTILITY OR INFRASTRUCTURE IMPROVEMENT MAY BE ORDERED WHEN DEMAILED NECESSARY BY TOWN OF DENTON.
15. ALL SOILS IN THE RIGHT OF WAYS AND STRUCTURAL FILL AREAS SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR IN ACCORDANCE WITH ASTM D-1557 OR ASTM D-2922.
16. PROVIDE LIFT HOOPS IN UNEXPOSED SURFACES TO ACCOMMODATE FIELD PLACEMENT OF VAULTS AND MANHOLES.
17. ALL CONSTRUCTION ON OR OFF-SITE SHALL BE MARKED FOR TRAFFIC AND PEDESTRIAN SAFETY. ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE LATEST EDITION OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES". TRAFFIC CONTROL PLANS SHALL BE APPROVED BY TOWN OF DENTON PRIOR TO USE.
18. CONTRACTOR SHALL TAKE SPECIAL CARE TO PROTECT EXISTING PROPERTY CORNERS AND OTHER PROPERTY MONUMENTS. ANY DAMAGE TO, OR SHIFTING OF PROPERTY MARKERS WILL REQUIRE THEM TO BE REPLACED AT THE CONTRACTORS EXPENSE AND BY A MARYLAND LICENSED SURVEYOR.
19. CONTRACTOR SHALL COORDINATE WITH UTILITY SERVICE PROVIDERS FOR INSTALLATION OF ALL ELECTRIC, PHONE, CATV, GAS, PROPANE AND OTHER UTILITY SYSTEMS. ALL ELECTRIC, CATV AND/OR TELEPHONE CONDUITS SHALL HAVE MINIMUM COVER AS REQUIRED BY THE PROVIDER.
20. CONTRACTOR ASSUMES RESPONSIBILITY FOR ALL SAFETY RELATED ISSUES ON SITE AS REQUIRED BY FEDERAL, STATE AND LOCAL REGULATIONS AS WELL AS BY PRUDENT SITE MANAGEMENT PROTOCOL.
21. CONTRACTOR SHALL TAKE CARE TO WORK ONLY WITHIN THE CONSTRUCTION LIMITS OF DISTURBANCE, PROPERTY LINES AND EASEMENT AREAS. ANY ACCIDENTAL OR UNAUTHORIZED DISTURBANCE TO OFF-SITE IMPROVEMENTS OR PROPERTIES SHALL BE REPAIRED/REPLACED SOLELY AT CONTRACTOR'S EXPENSE.
22. PROJECT SPECIFIC APPROVALS AND PERMITS AS REQUIRED FOR CONSTRUCTION SHALL BE OBTAINED BY THE OWNER. APPROVALS INCLUDE SOIL EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT. PERMITS INCLUDE GRADING, MGE-NDI AND MGE-WMA. CONTRACTOR SHALL NOT COMMENCE ANY PORTION OF THE WORK WITHOUT VERIFYING AND RECEIVING COPIES OF ALL REQUIRED APPROVALS AND PERMITS FROM TOWN OF DENTON OR THE ENGINEER.
23. ANY AND ALL CONSTRUCTION OF HANDICAP FACILITIES SHALL BE IN COMPLIANCE WITH LOCAL REQUIREMENTS, STANDARD DETAILS AND WITH THE CODE OF FEDERAL REGULATIONS-28CFR PART 36-ADA STANDARDS FOR ACCESSIBLE DESIGN-LATEST EDITION. CONTRACTOR IS STRONGLY ENCOURAGED TO CONTACT THE LOCAL APPROVAL AUTHORITY, PRIOR TO CONSTRUCTION, FOR ACCEPTABLE CONSTRUCTION TOLERANCES ASSOCIATED WITH ALL HANDICAP FACILITIES. 28CFR PART 36 DOES NOT PROVIDE SPECIFIC CONSTRUCTION TOLERANCES PERTAINING TO CONSTRUCTED FACILITY APPROVAL. LANE ENGINEERING, LLC, ACCEPTS NO RESPONSIBILITY FOR FACILITIES AS CONSTRUCTED.
24. THE CONTRACTOR SHALL VERIFY THE MATERIAL TYPE, LOCATION AND INVERT ELEVATION OF ALL UNDERGROUND UTILITIES AS REQUIRED FOR CONNECTION OR OTHER PURPOSE. PROVIDE TIMELY ADVANCE NOTICE TO ENGINEER OF ANY CONFLICT BETWEEN EXISTING AND NEW WORK.
25. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ALL PERMITS SECURED, WHICH TAKE PRECEDENCE OVER SPECIFICATIONS.

STORM DRAIN:

- 1. STRUCTURES SHALL BE PRECAST CONCRETE. PIPE SHALL BE DUAL WALL CORRUGATED PLASTIC PIPE (HDPE) UNLESS NOTED OTHERWISE.
2. ALL DRAINAGE STRUCTURES AND TRENCHES SHALL REMAIN FUNCTIONAL DURING CONSTRUCTION.
3. PIPE TO CONCRETE STRUCTURE CONNECTIONS SHALL BE PARGED ON THE INSIDE AND OUTSIDE OF STRUCTURE USING TYPE S NON-SHRINK GROUT, FOR A WATER TIGHT CONNECTION.

GAS:

- 1. IF A PROPANE SYSTEM IS PROPOSED, ALL PORTIONS OF THE SYSTEM SHALL BE DESIGNED AND INSTALLED BY OTHERS. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION WITH ON-SITE UTILITY WORK.

SOIL EROSION AND SEDIMENT CONTROL:

- 1. ALL WORK SHALL COMPLY WITH ALL PROVISIONS OF THE 2011 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL OR THE MOST RECENT EDITION, ISSUED BY THE UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.
2. THE MEASURES REQUIRED IN THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL APPLY AS SHOWN ON THIS PLAN, AND BE COMPLETE AND IN SERVICE PRIOR TO CONSTRUCTION.
3. ALL DISTURBED AREAS SHALL BE SMOOTHLY GRADED TO PROMOTE POSITIVE DRAINAGE AND ALSO STABILIZED WITH 4" TOPSOIL, SEED, AND MULCH. IF SETTLEMENT OCCURS, CORRECTIONS SHALL BE MADE AND, TOPSOIL, SEED, AND MULCH SHALL BE REPLACED UNTIL SETTLEMENT SUBSIDES. (SEE SOIL EROSION AND SEDIMENT CONTROL NOTES, DETAILS, AND SPECIFICATIONS).

WETLANDS:

- 1. THE NON-TIDAL WETLANDS AND STREAM DESIGNATIONS SHOWN HEREIN WERE TAKEN FROM THE WETLANDS/WATERS DELINEATION REPORT - LANDS OF 'POOR HOUSE RUN' DATED JULY 2023 AS PREPARED BY RAUCH, INC., AND AS VALIDATED BY MDE NTW AND WATERWAYS PROTECTION DIVISION AND THE USACE ON JULY 18, 2023.

TRAFFIC:

- 1. TEMPORARY TRAFFIC CONTROL MEASURES, METHODS AND DEVICES AND ALL PROPOSED SIGNAGE AND THERMOPLASTIC STRIPING WORK SHALL BE IN STRICT COMPLIANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND AS NECESSARY.
2. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY TO INCLUDE VEHICULAR AND PEDESTRIAN SAFETY AT ALL TIMES.
3. PROVISIONS SHALL BE MADE, WITH APPROPRIATE SIGNAGE PROVIDED AS NEEDED, TO ALLOW ACCESS TO PROPERTIES BY RESIDENTS OR BUSINESS PATRONS.
4. CONTRACTOR SHALL NOTIFY THE DENTON DEPARTMENT OF PUBLIC WORKS AND CAROLINE COUNTY EMERGENCY MANAGEMENT SERVICES PRIOR TO ANY ROAD CLOSURES AND SHALL COORDINATE TRAFFIC PATTERNS TO MINIMIZE TRANSPORTATION DISRUPTION.
5. THE TOWN OF DENTON, OR THE ENGINEER, SHALL RETAIN THE RIGHT TO REQUIRE MODIFICATIONS TO TEMPORARY TRAFFIC CONTROL MEASURES BEING UTILIZED IN THE EVENT THERE EXISTS A POTENTIAL SAFETY OR ACCESS ISSUE RESULTING FROM CONSTRUCTION ACTIVITIES.

Table with 4 columns: No., DATE, DESCRIPTION, BY. Header: REVISIONS TO APPROVED PLANS

MISS UTILITY logo and text: THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION...

Lane Engineering, LLC logo and contact information: Established 1986. Civil Engineers • Land Planning • Land Surveyors. 117 Bay St., Denton, MD 21613 (410) 822-8003

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. 23152, Expiration Date: 7/5/2025.

Professional Engineer Seal for G. R. 25, State of Maryland, License No. 23152, Expiration Date 7/5/2025.

PROJECT NOTES
SHARP ROAD PARK SPORTS COMPLEX
IN THE TOWN OF DENTON
CAROLINE COUNTY, MARYLAND
TAX MAP 105 GRID 22 PARCEL 2292

Table with 3 columns: ISSUED/REVISED FOR, DATE, BY. Rows for PLANNING COMMISSION SUBMITTAL, AGENCY SUBMITTAL, AGENCY SUBMITTAL - FINAL, AGENCY SUBMITTAL - FINAL, FINAL APPROVAL.

Table with 2 columns: SHEET No. (G-102), SCALE (AS NOTED); JOB No. (240183), FILE No. (3057)

	EXISTING	PROPOSED
SURVEY MONUMENTATION		
IRON ROD		
CONCRETE MONUMENT		
STONE		
COMPUTED POINT		
GPS MONUMENT		
BENCH MARK		
NGS MONUMENT		
USGS MONUMENT		
PROPERTY LINE		
CABLE TV		
CABLE TV PEDESTAL		
OVERHEAD CABLE TV		
UNDERGROUND CABLE TV		
ELECTRICAL		
CIRCUIT BREAKER PANEL		
OUTLET		
CABINET		
TRANSFORMER BOX		
METER		
HANDHOLE		
TRANSFORMER TOWER		
ELECTRIC OVERHEAD		
ELECTRIC UNDERGROUND		
GAS		
UNDERGROUND GAS TANK		
VENT		
BLOW OFF		
FILLER PIPE		
METER		
STOP BOX		
SHUTOFF VALVE		
GAS MAIN		
OVER HEAD UTILITIES		
GUY WIRE ANCHOR		
LAMP POLE		
BOLLARD/SPOT LIGHTING		
SINGLE OVERHANG LIGHT POST		
DOUBLE OVERHANG LIGHT POST		
UTILITY POLE		
OVER HEAD UTILITY LINES		
SANITARY SEWER		
CLEAN OUT		
PUMPSTATION MANHOLE		
SANITARY SEWER MANHOLE		
SEWER VENT		
SEWER VALVE		
SEPTIC TANK		
SANITARY SEWER		
FORCE MAIN		
VACUUM SEWER		
ACCESS POINT		
VALVE PIT		
STORMDRAIN		
ROUND CATCH BASIN		
SQUARE CATCH BASIN		
CURB INLET		
CISTERN		
CULVERT END SECTION		
ROUND INLET		
SQUARE INLET		
STORMDRAIN MANHOLE		
STORMDRAIN CLEANOUT		
DOWNSPOUT		
STORMDRAIN		
TELEPHONE		
TELEPHONE MANHOLE		
TELEPHONE PEDESTAL		
PHONE BOOTH		
TELEPHONE		
UNDERGROUND TELEPHONE		

	EXISTING	PROPOSED
UNDERGROUND UTILITIES		
UTILITY MANHOLE		
WATER		
FIRE HYDRANT		
REDUCER		
WELL		
WATER METER		
VALVE		
CAP		
CROSS		
TEE		
90DEG ELBOW		
45DEG ELBOW		
22DEG ELBOW		
11DEG ELBOW		
THRUST BLOCK		
BLOW OFF		
SPRINKLER HEAD		
WATER SPIGOT		
WATER MAIN		
SERVICE LEAD		
TOPOGRAPHIC FEATURES		
UNDERGROUND PROPANE TANK		
FLAG POLE		
HVAC UNIT		
PARKING METER		
ROUND POST		
SQUARE POST		
RAILROAD SIGNAL		
SATELLITE DISH		
TRAFFIC SIGNAL		
SINGLE POST SIGN		
DOUBLE POST SIGN		
UNSPECIFIED FENCE		
BARBED WIRE FENCE		
CHAIN LINK FENCE		
WOOD FENCE		
DITCH TOP OF BANK		
DEPRESSION		
MAJOR CONTOUR		
MINOR CONTOUR		
VEGETATION		
STUMP		
TREE LINE		
ENVIRONMENTAL		
MONITORING WELL		
PIEZOMETER		
APPROXIMATE SOIL BORING LOCATION		
NON-TIDAL WETLAND		
TIDAL WETLAND		
NON-TIDAL WETLAND LIMIT		
TIDAL WETLAND LIMIT		
FLOOD PLAIN		
SOIL BOUNDARY		
CRITICAL AREA BOUNDARY		
SOIL EROSION CONTROL		
SILT FENCE		
SUPER SILT FENCE		
FILTER LOG		
LIMITS OF DISTURBED AREA (LOD)		
LOD AND SILT FENCE		
LOD AND SUPER SILT FENCE		
LOD AND FILTER LOG		
PAVEMENT		
DRAINAGE FLOW INDICATOR		
HANDICAP PARKING		
GUARDRAIL		
HEAVY DUTY PAVEMENT		
REGULAR DUTY PAVEMENT		
CONCRETE		
MISCELLANEOUS		
EXISTING IMPROVEMENTS TO BE DEMOLISHED		
EXISTING FOREST CONSERVATION AREA		
CRITICAL AREA MITIGATION AREA		

ABBREVIATIONS	
ADA	AMERICANS WITH DISABILITIES ACT
AGIP	AT GRADE INLET PROTECTION
BC	BACK OF CURB
BM	BENCHMARK
BRL	BUILDING RESTRICTION LINE
CES	CONCRETE END SECTION
C	CENTERLINE
CHRD	CHORD
CIP	CURB INLET PROTECTION
CMP	CORRUGATED METAL PIPE
CY	CUBIC YARD
DI	DUCTILE IRON
DIMJ	DUCTILE IRON MECHANICAL JOINT
E	EAST
EL/ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EX	EXISTING
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FES	FLARED END SECTION
FL	FLOWLINE
GV	GATE VALVE
HDPE	HIGH DENSITY POLYETHYLENE
HP	HIGH POINT
I	INLET
INV	INVERT
KV	KILOVOLTS
L	ARC LENGTH
LF	LINEAR FEET
LOD	LIMITS OF DISTURBED AREA
LP	LOW POINT
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE
MHW	MEAN HIGH WATER
MIN	MINIMUM
MLW	MEAN LOW WATER
MSHA	MARYLAND STATE HIGHWAY ADMINISTRATION
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
N	NORTH
NO	NUMBER
PC	POINT OF CURVATURE
PE	POLYETHYLENE
PT	POINT OF TANGENCY
PROP	PROPOSED
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
Q	DISCHARGE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT-OF-WAY
RT	RIGHT
S	SOUTH
SCE	STABILIZED CONSTRUCTION ENTRANCE
SDCO	STORMDRAIN CLEANOUT
SDMH	STORMDRAIN MANHOLE
SSMH	SANITARY SEWER MANHOLE
SF	SILT FENCE
SHA	STATE HIGHWAY ADMINISTRATION
SIP	STANDARD INLET PROTECTION
SL	STREET LIGHT
SSF	SUPER SILT FENCE
STA	STATION
STD	STANDARD
SWM	STORMWATER MANAGEMENT
TAN	TANGENT
TB	THRUST BLOCK
TBR	TO BE REMOVED
TC	TOP OF CURB
TCP	TERRACOTTA PIPE
TYP	TYPICAL
UE	UNDERGROUND ELECTRIC
UL	UNDERGROUND LIGHT CABLE
UT	UNDERGROUND TELEPHONE
V	VELOCITY
W	VITRIFIED CLAY PIPE
W/	WEST

REVISIONS TO APPROVED PLANS			
No.	DATE	DESCRIPTION	BY

MISS UTILITY

BEFORE YOU DIG CALL 1-800-441-8355 OR 811 PROTECT YOURSELF, GIVE TWO WORKING DAYS NOTICE

WARNING!
THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THIS PLAN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. THE QUANTITIES SHOWN ON THIS PLAN ARE FOR INFORMATIONAL AND PERMITTING PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES TO HIS OWN SATISFACTION PRIOR TO BEGINNING CONSTRUCTION.

THE CONTRACTOR SHALL TEST PT AND LOCATE EXISTING UNDERGROUND UTILITIES PRIOR TO THE BEGINNING OF ANY WORK ON-SITE. THE CONTRACTOR SHALL NOTIFY THE STATE HIGHWAY ADMINISTRATION (SHA) OF ANY POSSIBLE CONFLICT AND REQUEST THE RELOCATION OF THE EXISTING UNDERGROUND UTILITIES BEFORE BEGINNING ANY WORK ON-SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY RELOCATION EXPENSE.

Lane Engineering, LLC
Established 1986
Civil Engineers • Land Planning • Land Surveyors

E-mail: general@lane.com
117 Bay St., Easton, MD 21601 (410) 822-8003
15 Washington St., Cambridge, MD 21613 (410) 221-0818
304 Pennsylvania Ave., Centerville, MD 21617 (410) 758-0095

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SEAL

6.10.25

DATE

LEGEND & ABBREVIATIONS

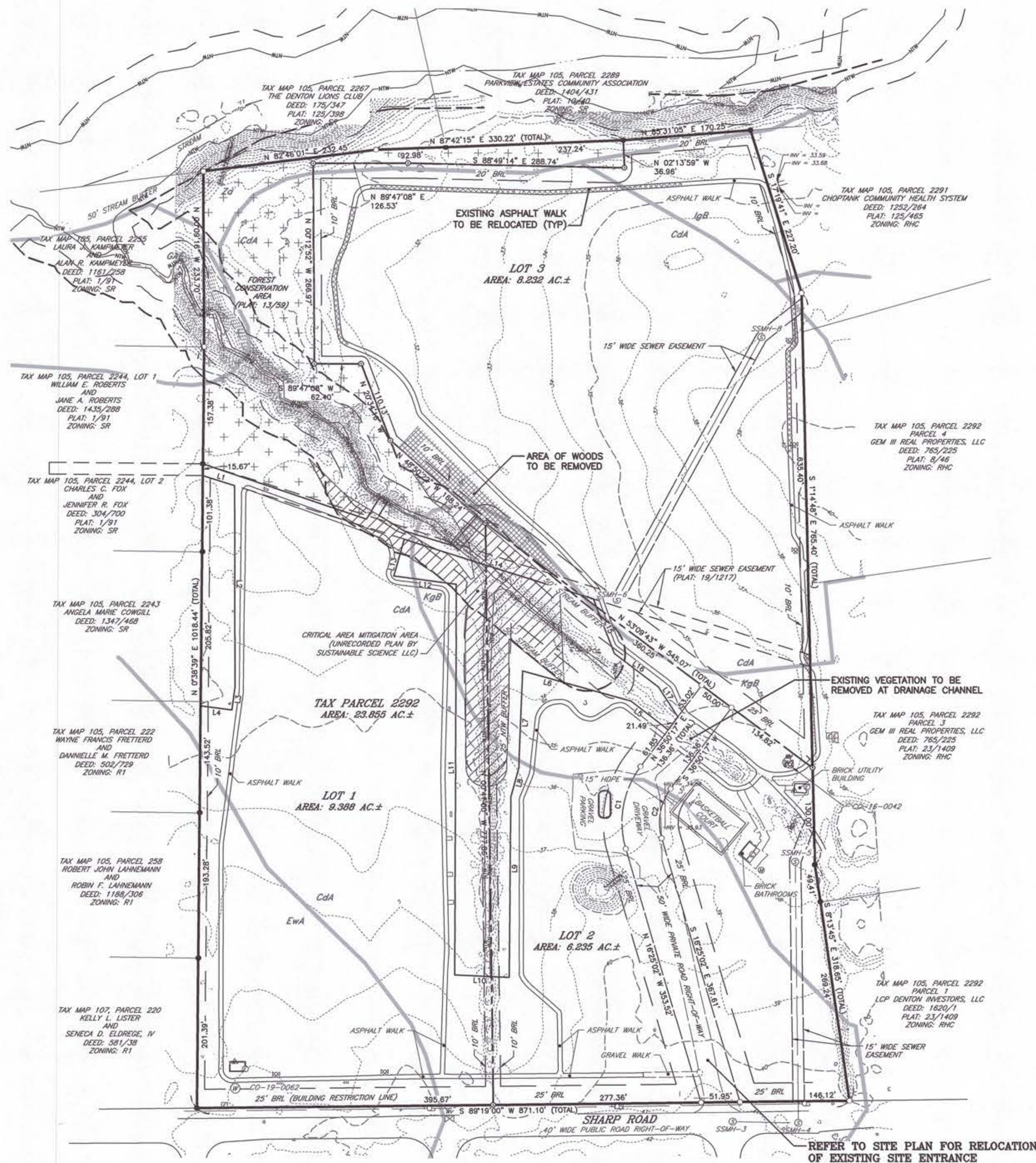
SHARP ROAD PARK SPORTS COMPLEX

IN THE TOWN OF DENTON
CAROLINE COUNTY, MARYLAND
TAX MAP 105 GRID 22 PARCEL 2292

ISSUED/REVISED FOR:	DATE:	BY:
PLANNING COMMISSION SUBMITTAL	12/13/24	TWG
AGENCY SUBMITTAL 01	01/24/25	TWG
AGENCY SUBMITTAL - FINAL	03/10/25	TWG
AGENCY SUBMITTAL - FINAL	03/27/25	TWG
FINAL APPROVAL	06/10/25	TWG

SHEET No. G-103	JOB No. 240183
SCALE: AS NOTED	FILE No. 3057

Date: 06/10/2025 8:17am User: mphilipsa Project Manager: TWG
Drawing Path: J:\2024\100\240183\Civil\3D-240183\Draw\Plots\GLS-PLTS-240183.dwg | 0-103
XREF File(s): CBS-BUSE-24036-240183



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EXISTING CONDITIONS & DEMOLITION PLAN

SHARP ROAD PARK SPORTS COMPLEX

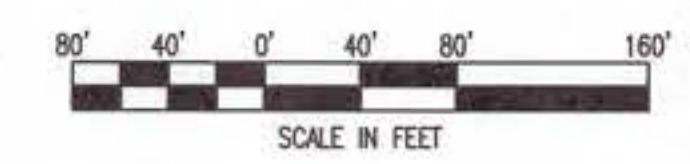
IN THE TOWN OF DENTON
CAROLINE COUNTY, MARYLAND
TAX MAP 105 GRID 22 PARCEL 2292

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FINAL APPROVAL	06/10/25	TWG

SHEET No. V-101	JOB No. 240183
SCALE: AS NOTED	FILE No. 3057

CAROLINE COUNTY SOILS				
MAP SYMBOL	SOILS NAME	HYDRIC SOILS	K FACTOR	SOIL GROUP
CdA	CEDARTOWN LOAMY SAND		0.05	A
EwA	EVESBORO SAND		0.02	A
GAE	GALESTOWN AND ROSEDALE SOILS		0.02	A
IgB	INGLESIDE SANDY LOAM		0.15	A
KgB	KLEJ-GALLOWAY COMPLEX	YES	0.15	A/D
Za	ZEKIWH SANDY LOAM	YES	0.17	B/D

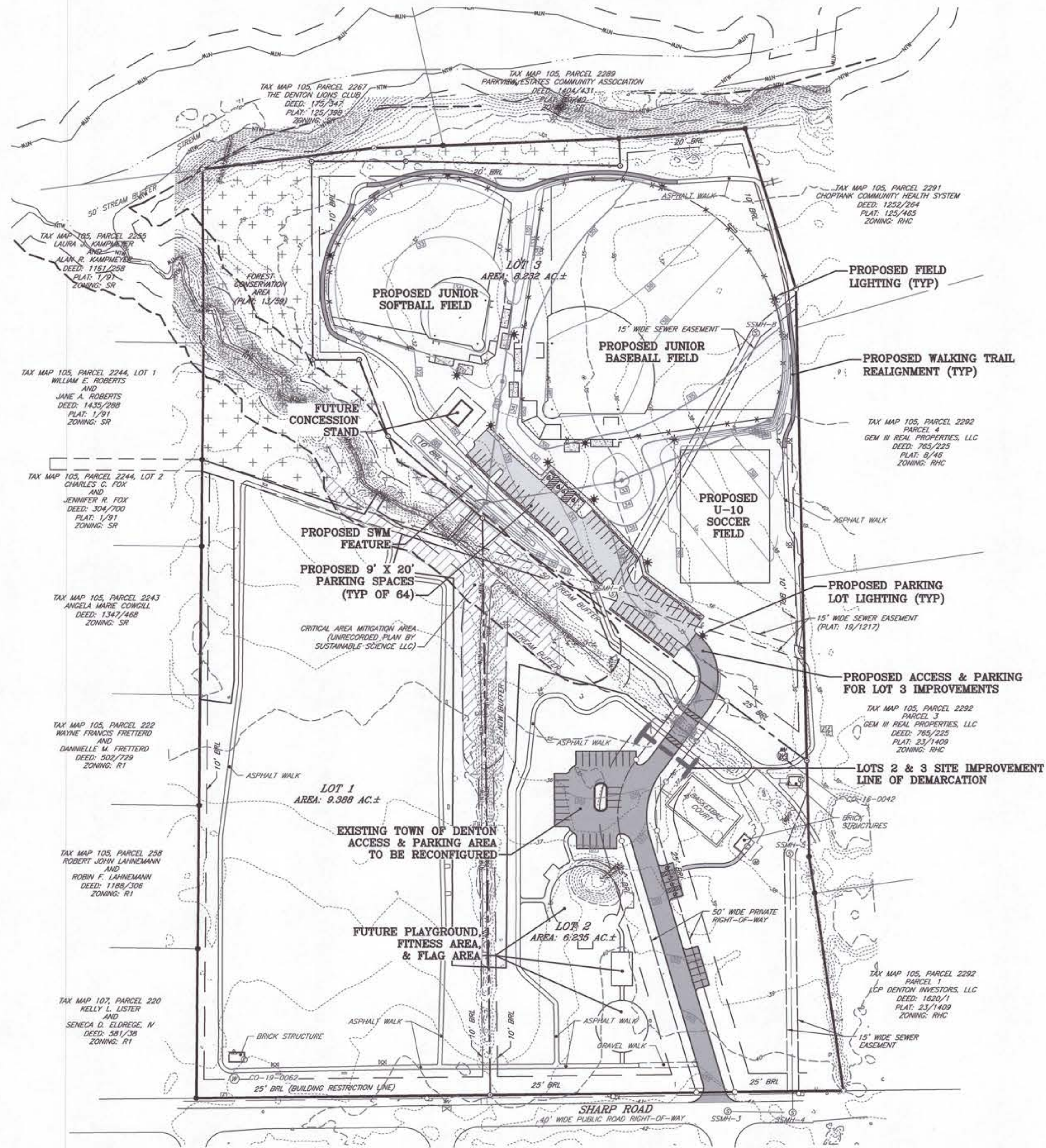
- NOTES:**
- OVERALL TOPOGRAPHY SHOWN BASED ON AVAILABLE PUBLIC RECORDS, DATE OF TOPOGRAPHY 2013.
 - REFER TO SEPARATE MINOR SUBDIVISION PLAN FOR SHARP ROAD PARK AS PREPARED BY LANE ENGINEERING, LLC.
 - LOTS 1 & 2 ARE OWNED BY TOWN OF DENTON.
 - LOT 3 OWNED BY THE CAROLINE COUNTY COMMISSIONERS.



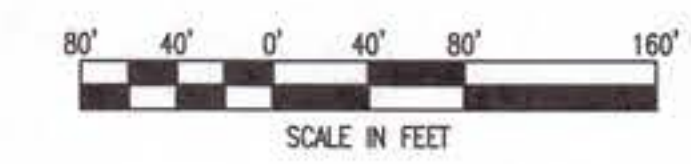
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NAD 83 (2011) MD COORDINATE SYSTEM

Date: 06/10/2025 - 8:18am User: mshillips Project Manager: TNG
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REFER TO SUBSEQUENT SHEETS FOR DETAILED SITE CONSTRUCTION INFORMATION



REVISIONS TO APPROVED PLANS			
No.	DATE	DESCRIPTION	BY

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OVERALL SITE CONTEXT PLAN

SHARP ROAD PARK SPORTS COMPLEX

IN THE TOWN OF DENTON
 CAROLINE COUNTY, MARYLAND
 TAX MAP 105 GRID 22 PARCEL 2292

ISSUED/REVISED FOR:	DATE:	BY:
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AGENCY SUBMITTAL - FINAL	03/21/25	TWG
FINAL APPROVAL	06/10/25	TWG

SHEET No. C-101	JOB No. 240183
SCALE: AS NOTED	FILE No. 3057

NAD 83 (2011) MD COORDINATE SYSTEM



SITE NOTES

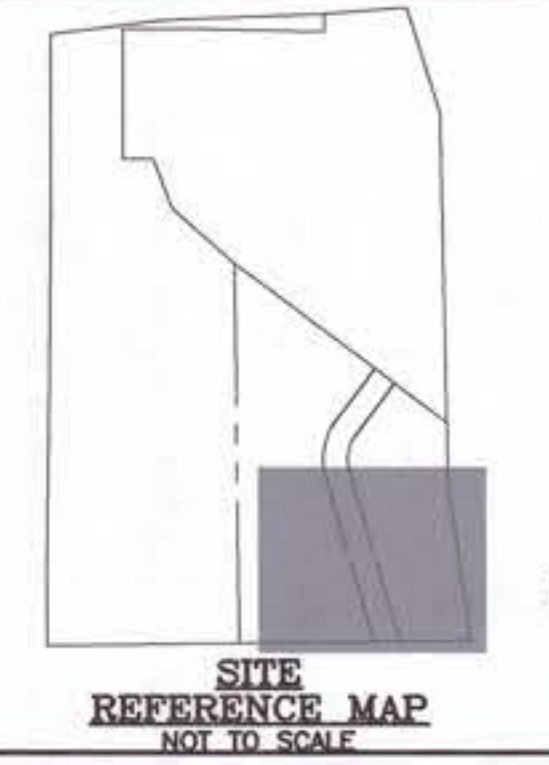
1. ALL DIMENSIONS AND RADII REFER TO FLOWLINE OF CURB OR EDGE OF PAVEMENT.
2. ALL CURB TERMINATIONS SHALL HAVE 2' NOSEDOWNS, UNLESS OTHERWISE SPECIFIED OR SHOWN HEREON.
3. PROPOSED PARKING LOT BASE SHALL BE PROOF ROLLED AND APPROVED BY ENGINEER PRIOR TO ASPHALT PLACEMENT.
4. TRAFFIC FLOW ARROWS ARE SHOWN FOR GENERAL INFORMATION ONLY AND ARE NOT INTENDED TO BE INSTALLED.
5. COORDINATE WITH UTILITY SERVICE PROVIDERS FOR THE RELOCATION OF EXISTING UTILITIES, AND FOR THE INSTALLATION OF PROPOSED UTILITIES, IF REQUIRED.
6. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS/SPECIFICATIONS FOR ASPHALT MIX, CR-6, IMPORTED STRUCTURAL FILL, WATER AND SEWER UTILITIES, STORMWATER MANAGEMENT MEDIA MATERIALS AND STREET LIGHTING AS MAY BE SHOWN/PROPOSED HEREON.
7. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF BURIED CONDUITS FOR IRRIGATION SYSTEM AND SITE LIGHTING AS MAY BE SHOWN/PROPOSED HEREON.
8. A MINIMUM CLEARANCE OF 2 FEET SHALL BE MAINTAINED BETWEEN THE FACE OF CURB AND ANY PART OF A TRAFFIC SIGN OR LIGHT POLE.
9. ADJUST ALL EXISTING VALVE BOXES, CLEANOUTS, AND STRUCTURE RIMS TO PROPOSED GRADE AS REQUIRED.
10. REFER TO SHEETS C-103 THROUGH C-103.4 FOR STORM DRAINAGE, GRADING AND SEDIMENT AND EROSION CONTROL PLAN INFORMATION.
11. REFER TO SHEET C-503 FOR PAVEMENT SECTION AND SITE DETAILS.

SITE & UTILITY KEY NOTES

- 1 TIE TO EXISTING PAVEMENT OR GRAVEL W/ SMOOTH TRANSITION
- 2 INSTALL FULL DEPTH EXPANSION MATERIAL WHERE CONCRETE ABUTS RIGID STRUCTURES AND/OR CURBING (TYP)
- 3 5' CONCRETE SIDEWALK PER DETAIL (TYP)
- 4 4" WIDE WHITE WATER BASED PAVEMENT MARKINGS (TYP)
- 5 6' WIDE (INTERIOR TO INTERIOR OF EDGE LINES) CROSSWALK PER DETAIL
- 6 CONCRETE WHEEL STOP PER DETAIL (TYP)
- 7 ADA PAVEMENT MARKING SYMBOL PER DETAIL (TYP)
- 8 ACCESS AISLE STRIPING PER DETAIL (TYP)
- 9 ADA PARKING SIGN PER DETAIL
- 10 VAN ACCESSIBLE ADA PARKING SIGN PER DETAIL
- 11 BIKE RACK, SEPARATE SUBMITTAL REQUIRED
- 12 ASPHALT TRAIL PER SECTION DETAIL
- 13 RIGID PAVEMENT PER DETAIL
- 14 GRAVEL PER DETAIL
- 15 TYPICAL STREETLIGHT PER DETAIL. CONTRACTOR SHALL COORDINATE ELECTRIC CIRCUIT AND SERVICE.
- 16 TYPICAL FIELD LIGHTING, REFER TO FILES FROM OTHERS. CONTRACTOR SHALL COORDINATE ELECTRIC CIRCUIT AND SERVICE. SEE SITE ELECTRIC PLAN FOR WIRING (BY OTHERS). INSTALL LIGHT POLES PER MANUFACTURER'S INSTRUCTION
- 17 4' HIGH FOUL LINE & OUTFIELD CHAIN LINK FENCE, MATERIAL SPECIFICATIONS TO BE APPROVED BY OWNER
- 18 PROTECTIVE BACKSTOP PER DETAIL. MATERIAL SPECIFICATIONS TO BE APPROVED BY OWNER
- 19 CONCRETE BLEACHER PAD PER RIGID PAVEMENT SECTION DETAIL
- 20 APPROXIMATE LOCATION OF DUGOUT, MATERIAL AND CONSTRUCTION INFORMATION UNDER SEPARATE DESIGN. DUGOUT PAD PER RIGID PAVEMENT SECTION DETAIL
- 21 TRAIL CROSSING SIGNAGE. PROVIDE MUTCD SIGN W11-15 AND W11-15P. PROVIDE SIGN POST PER DETAIL
- 22 ASPHALT PAVING PER DETAIL PW-9.00

REVISIONS TO APPROVED PLANS

No.	DATE	DESCRIPTION	BY



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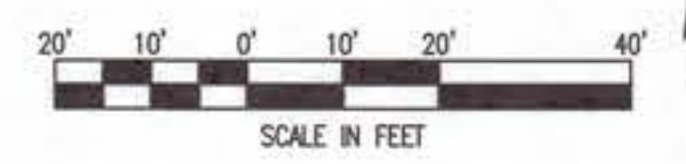
SITE & UTILITY PLAN

SHARP ROAD PARK SPORTS COMPLEX

IN THE TOWN OF DENTON
 CAROLINE COUNTY, MARYLAND
 TAX MAP 105 GRID 22 PARCEL 2292

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AGENCY SUBMITTAL - FINAL	03/27/25	TWG
FINAL APPROVAL	06/10/25	TWG

SHEET No. C-102	JOB No. 240183
SCALE: AS NOTED	FILE No. 3057



Date: 06/10/2025 5:07pm User: chris.miller Project Manager: TWG
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 XREF File(s): V:\2024\10100_240183\Drawings\CSP-BASE-240183\CSW-BASE-240183\CSF-BASE-240183.dwg | C-102
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 XREF File(s): V:\2024\10100_240183\Drawings\CSP-BASE-240183\CSW-BASE-240183\CSF-BASE-240183.dwg | C-102

VAD 69 (2011) SYSTEM
 MD COORDINATE SYSTEM

SITE NOTES

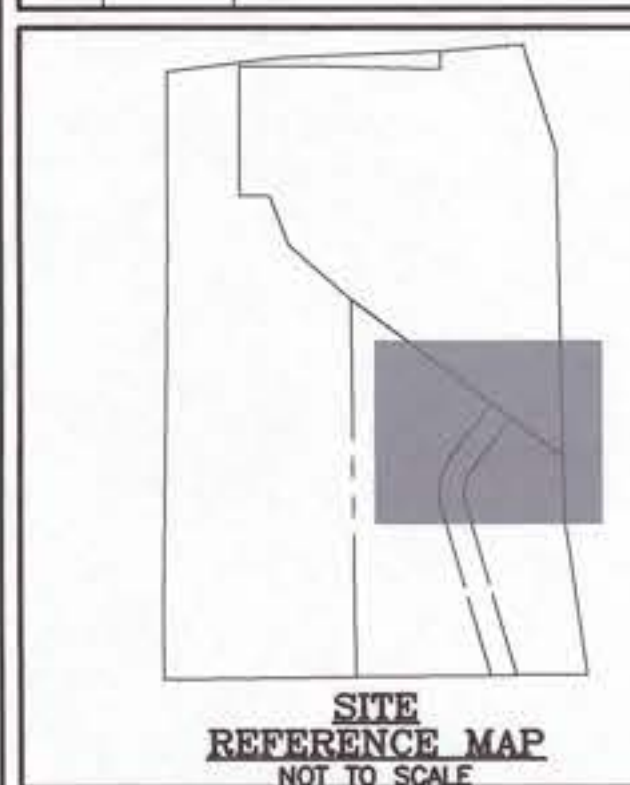
1. ALL DIMENSIONS AND RADII REFER TO FLOWLINE OF CURB OR EDGE OF PAVEMENT.
2. ALL CURB TERMINATIONS SHALL HAVE 2' NOSEDOWNS, UNLESS OTHERWISE SPECIFIED OR SHOWN HEREON.
3. PROPOSED PARKING LOT BASE SHALL BE PROOF ROLLED AND APPROVED BY ENGINEER PRIOR TO ASPHALT PLACEMENT.
4. TRAFFIC FLOW ARROWS ARE SHOWN FOR GENERAL INFORMATION ONLY AND ARE NOT INTENDED TO BE INSTALLED.
5. COORDINATE WITH UTILITY SERVICE PROVIDERS FOR THE RELOCATION OF EXISTING UTILITIES, AND FOR THE INSTALLATION OF PROPOSED UTILITIES, IF REQUIRED.
6. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS/SPECIFICATIONS FOR ASPHALT MIX, CR-6, IMPORTED STRUCTURAL FILL, WATER AND SEWER UTILITIES, STORMWATER MANAGEMENT MEDIA MATERIALS AND STREET LIGHTING TO ENGINEER FOR REVIEW AND APPROVAL.
7. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF BURIED CONDUITS FOR IRRIGATION SYSTEM AND SITE LIGHTING AS MAY BE SHOWN/PROPOSED HEREON.
8. A MINIMUM CLEARANCE OF 2 FEET SHALL BE MAINTAINED BETWEEN THE FACE OF CURB AND ANY PART OF A TRAFFIC SIGN OR LIGHT POLE.
9. ADJUST ALL EXISTING VALVE BOXES, CLEANOUTS, AND STRUCTURE RIMS TO PROPOSED GRADE AS REQUIRED.
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2. INSTALL FULL DEPTH EXPANSION MATERIAL WHERE CONCRETE ABUTS RIGID STRUCTURES AND/OR CURBING (TYP)
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7. ADA PAVEMENT MARKING SYMBOL PER DETAIL (TYP)
8. ACCESS AISLE STRIPING PER DETAIL (TYP)
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10. VAN ACCESSIBLE ADA PARKING SIGN PER DETAIL
11. BIKE RACK, SEPARATE SUBMITTAL REQUIRED
12. ASPHALT TRAIL PER SECTION DETAIL
13. RIGID PAVEMENT PER DETAIL
14. GRAVEL PER DETAIL
15. TYPICAL STREETLIGHT PER DETAIL. CONTRACTOR SHALL COORDINATE ELECTRIC CIRCUIT AND SERVICE.
16. TYPICAL FIELD LIGHTING, REFER TO FILES FROM OTHERS. CONTRACTOR SHALL COORDINATE ELECTRIC CIRCUIT AND SERVICE. SEE SITE ELECTRIC PLAN FOR WIRING (BY OTHERS). INSTALL LIGHT POLES PER MANUFACTURER'S INSTRUCTION
17. 4' HIGH FOUL LINE & OUTFIELD CHAIN LINK FENCE. MATERIAL SPECIFICATIONS TO BE APPROVED BY OWNER
18. PROTECTIVE BACKSTOP PER DETAIL. MATERIAL SPECIFICATIONS TO BE APPROVED BY OWNER
19. CONCRETE BLEACHER PAD PER RIGID PAVEMENT SECTION DETAIL
20. APPROXIMATE LOCATION OF DUGOUT. MATERIAL AND CONSTRUCTION INFORMATION UNDER SEPARATE DESIGN. DUGOUT PAD PER RIGID PAVEMENT SECTION DETAIL
21. TRAIL CROSSING SIGNAGE. PROVIDE MUTCD SIGN W11-15 AND W11-15P. PROVIDE SIGN POST PER DETAIL
22. ASPHALT PAVING PER DETAIL PW-9.00

REVISIONS TO APPROVED PLANS

No.	DATE	DESCRIPTION	BY



MISS UTILITY
BEFORE YOU DIG CALL 1-800-441-8355 OR 811

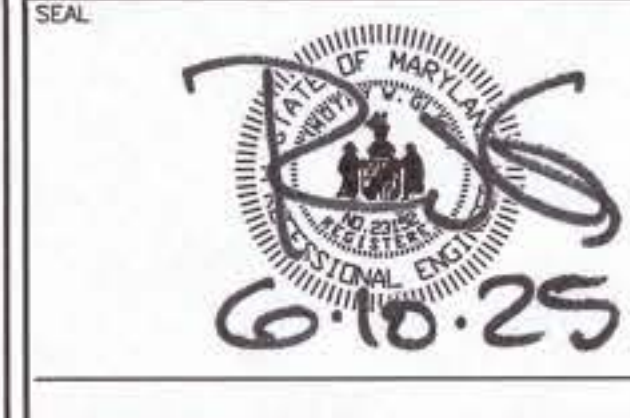
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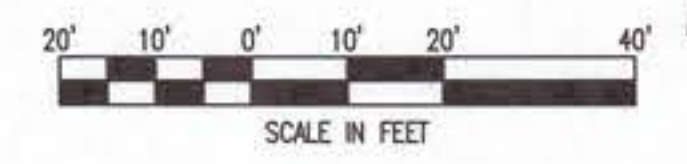
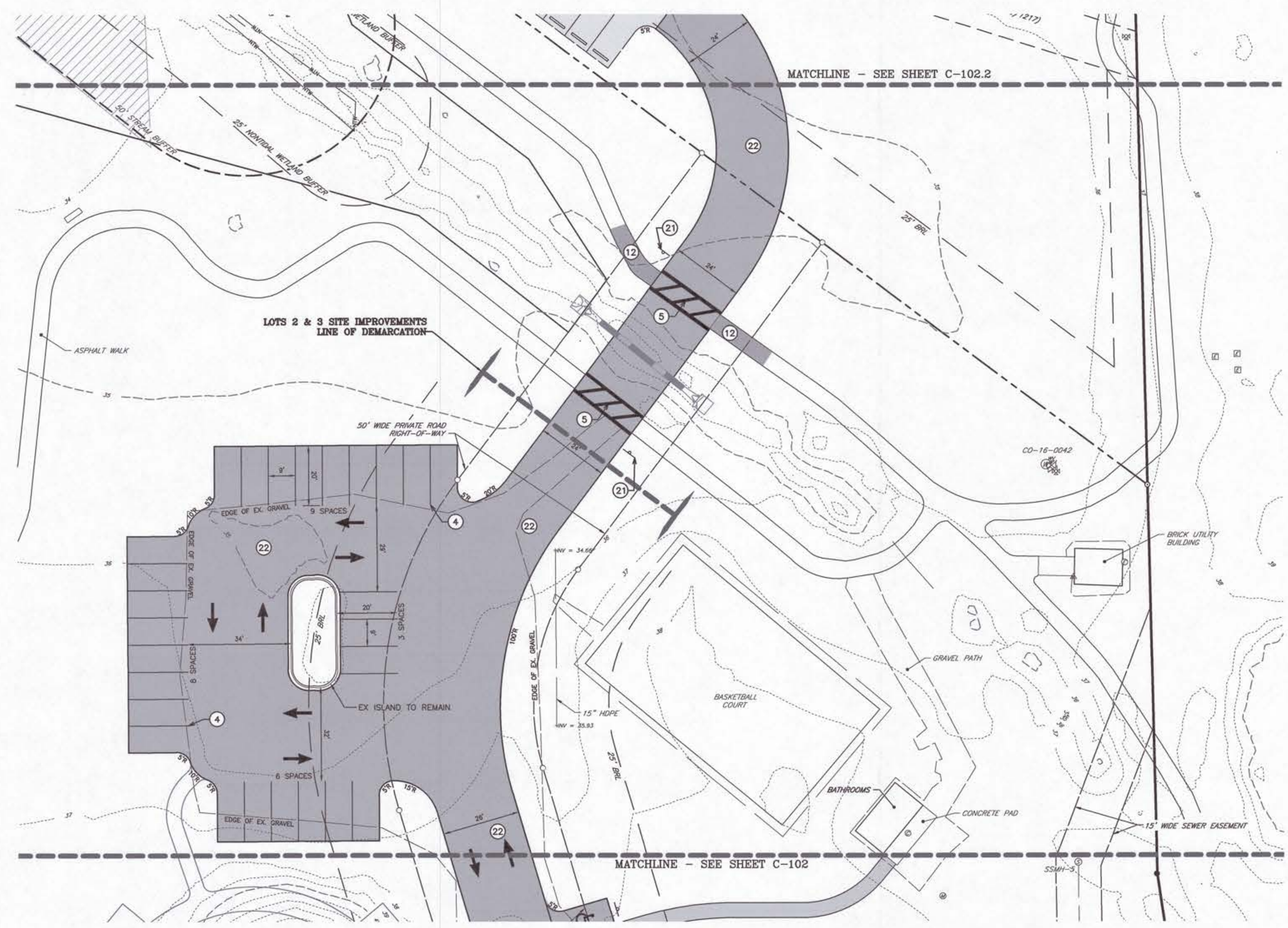
SITE & UTILITY PLAN

SHARP ROAD PARK SPORTS COMPLEX

IN THE TOWN OF DENTON
CAROLINE COUNTY, MARYLAND
TAX MAP 105 GRID 22 PARCEL 2292

ISSUED/REVISED FOR:	DATE:	BY:
PLANNING COMMISSION SUBMITTAL	12/13/24	TWG
AGENCY SUBMITTAL 01	01/24/25	TWG
AGENCY SUBMITTAL - FINAL	03/10/25	TWG
AGENCY SUBMITTAL - FINAL	03/27/25	TWG
FINAL APPROVAL	06/10/25	TWG

SHEET No. C-102.1	JOB No. 240183
SCALE: AS NOTED	FILE No. 3057



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PLOT FILE: J:\2024\101001\240183\Graphic\240183.dwg Plot: 240183.dwg | C-102.1
PLOT FILE: J:\2024\101001\240183\Graphic\240183.dwg Plot: 240183.dwg | C-102.1

MAD 85 (2011) MD COORDINATE SYSTEM

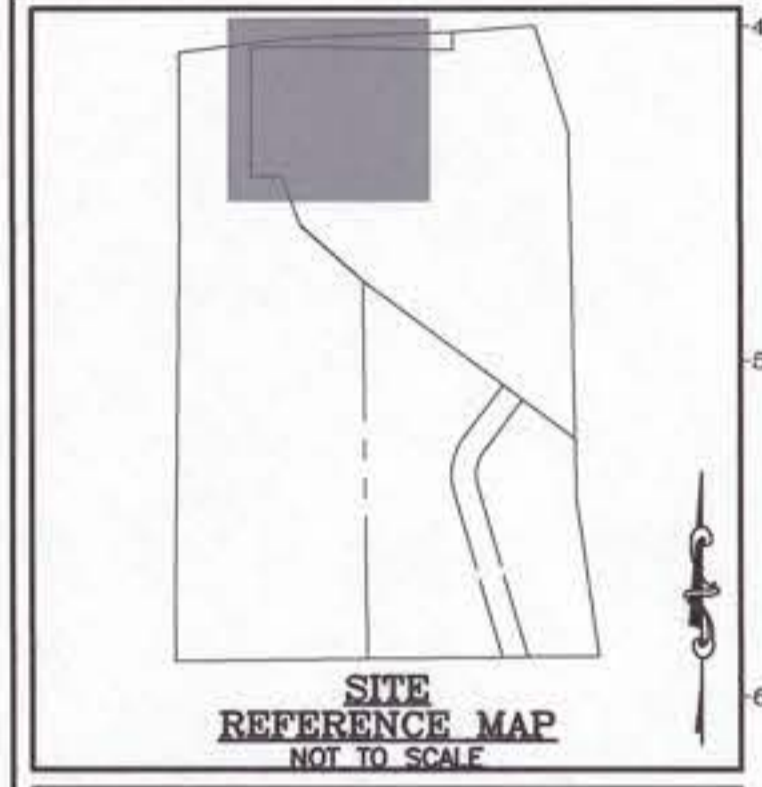
SITE NOTES

1. ALL DIMENSIONS AND RADII REFER TO FLOWLINE OF CURB OR EDGE OF PAVEMENT.
2. ALL CURB TERMINATIONS SHALL HAVE 2' NOSEDOWNS, UNLESS OTHERWISE SPECIFIED OR SHOWN HEREON.
3. PROPOSED PARKING LOT BASE SHALL BE PROOF ROLLED AND APPROVED BY ENGINEER PRIOR TO ASPHALT PLACEMENT.
4. TRAFFIC FLOW ARROWS ARE SHOWN FOR GENERAL INFORMATION ONLY AND ARE NOT INTENDED TO BE INSTALLED.
5. COORDINATE WITH UTILITY SERVICE PROVIDERS FOR THE RELOCATION OF EXISTING UTILITIES, AND FOR THE INSTALLATION OF PROPOSED UTILITIES, IF REQUIRED.
6. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS/SPECIFICATIONS FOR ASPHALT MIX, CR-6, IMPORTED STRUCTURAL FILL, WATER AND SEWER UTILITIES, STORMWATER MANAGEMENT MEDIA MATERIALS AND STREET LIGHTING TO ENGINEER FOR REVIEW AND APPROVAL.
7. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF BURIED CONDUITS FOR IRRIGATION SYSTEM AND SITE LIGHTING AS MAY BE SHOWN/PROPOSED HEREON.
8. A MINIMUM CLEARANCE OF 2 FEET SHALL BE MAINTAINED BETWEEN THE FACE OF CURB AND ANY PART OF A TRAFFIC SIGN OR LIGHT POLE.
9. ADJUST ALL EXISTING VALVE BOXES, CLEANOUTS, AND STRUCTURE RIMS TO PROPOSED GRADE AS REQUIRED.
10. REFER TO SHEETS C-103 THROUGH C-103.4 FOR STORM DRAINAGE, GRADING AND SEDIMENT AND EROSION CONTROL PLAN INFORMATION.
11. REFER TO SHEET C-503 FOR PAVEMENT SECTION AND SITE DETAILS.

SITE & UTILITY KEY NOTES

- 1 TIE TO EXISTING PAVEMENT OR GRAVEL W/ SMOOTH TRANSITION
- 2 INSTALL FULL DEPTH EXPANSION MATERIAL WHERE CONCRETE ABUTS RIGID STRUCTURES AND/OR CURBING (TYP)
- 3 5' CONCRETE SIDEWALK PER DETAIL (TYP)
- 4 4" WIDE WHITE WATER BASED PAVEMENT MARKINGS (TYP)
- 5 6' WIDE (INTERIOR TO INTERIOR OF EDGE LINES) CROSSWALK PER DETAIL
- 6 CONCRETE WHEEL STOP PER DETAIL (TYP)
- 7 ADA PAVEMENT MARKING SYMBOL PER DETAIL (TYP)
- 8 ACCESS AISLE STRIPING PER DETAIL (TYP)
- 9 ADA PARKING SIGN PER DETAIL
- 10 VAN ACCESSIBLE ADA PARKING SIGN PER DETAIL
- 11 BIKE RACK, SEPARATE SUBMITTAL REQUIRED
- 12 ASPHALT TRAIL PER SECTION DETAIL
- 13 RIGID PAVEMENT PER DETAIL
- 14 GRAVEL PER DETAIL
- 15 TYPICAL STREETLIGHT PER DETAIL. CONTRACTOR SHALL COORDINATE ELECTRIC CIRCUIT AND SERVICE.
- 16 TYPICAL FIELD LIGHTING, REFER TO FILES FROM OTHERS. CONTRACTOR SHALL COORDINATE ELECTRIC CIRCUIT AND SERVICE. SEE SITE ELECTRIC PLAN FOR WIRING (BY OTHERS). INSTALL LIGHT POLES PER MANUFACTURER'S INSTRUCTION
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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. 23152. Expiration Date: 7/5/2025.

SEAL

 DATE

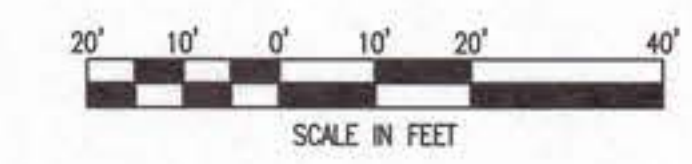
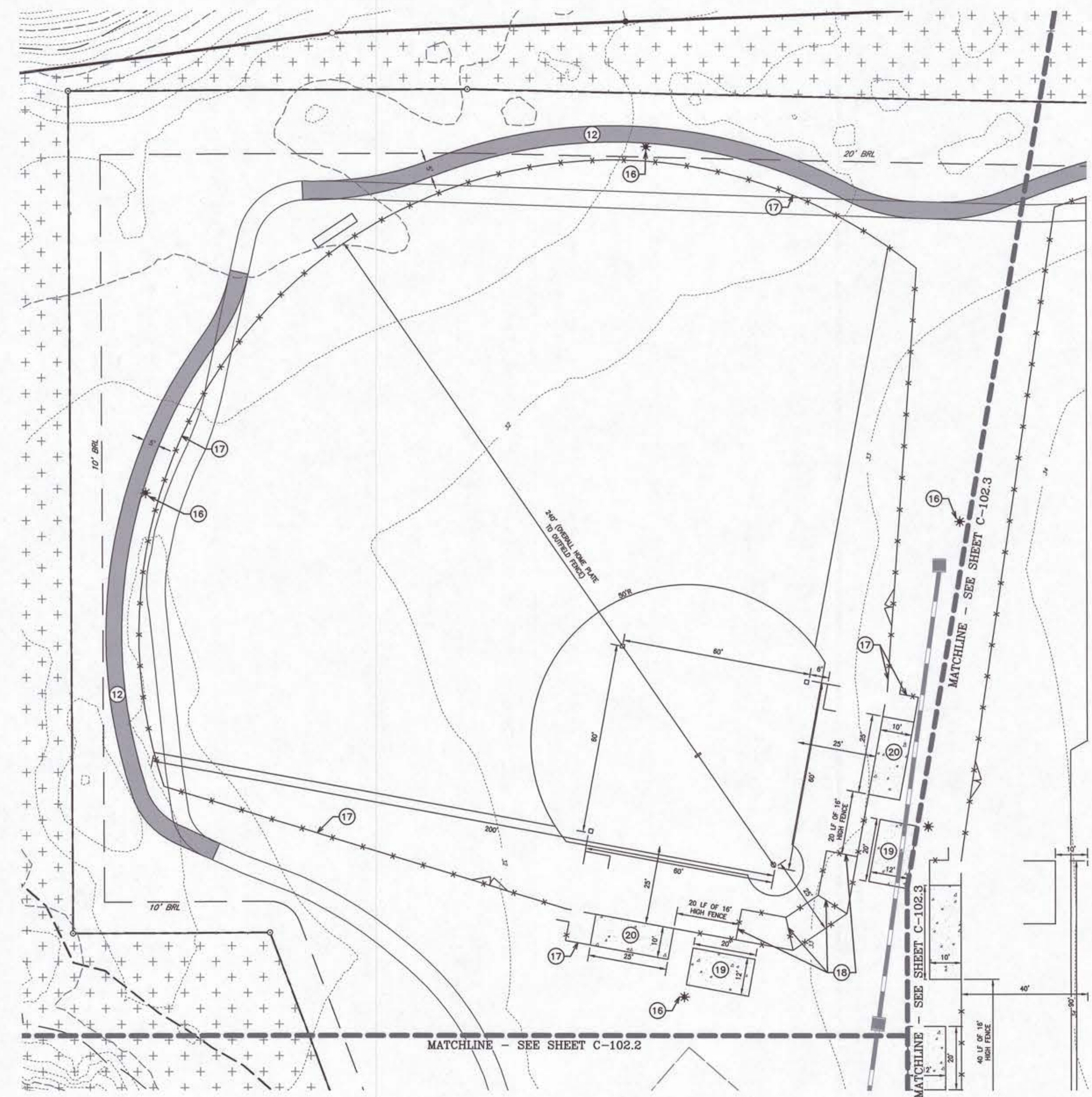
SITE & UTILITY PLAN

SHARP ROAD PARK SPORTS COMPLEX

IN THE TOWN OF DENTON
 CAROLINE COUNTY, MARYLAND
 TAX MAP 105 GRID 22 PARCEL 2292

ISSUED/REVISED FOR:	DATE:	BY:
PLANNING COMMISSION SUBMITTAL	12/13/24	TWG
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FINAL APPROVAL	06/10/25	TWG

SHEET No. C-102.4
 SCALE: AS NOTED
 JOB No. 240183
 FILE No. 3057



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NAD 83 (2011) COORDINATE SYSTEM



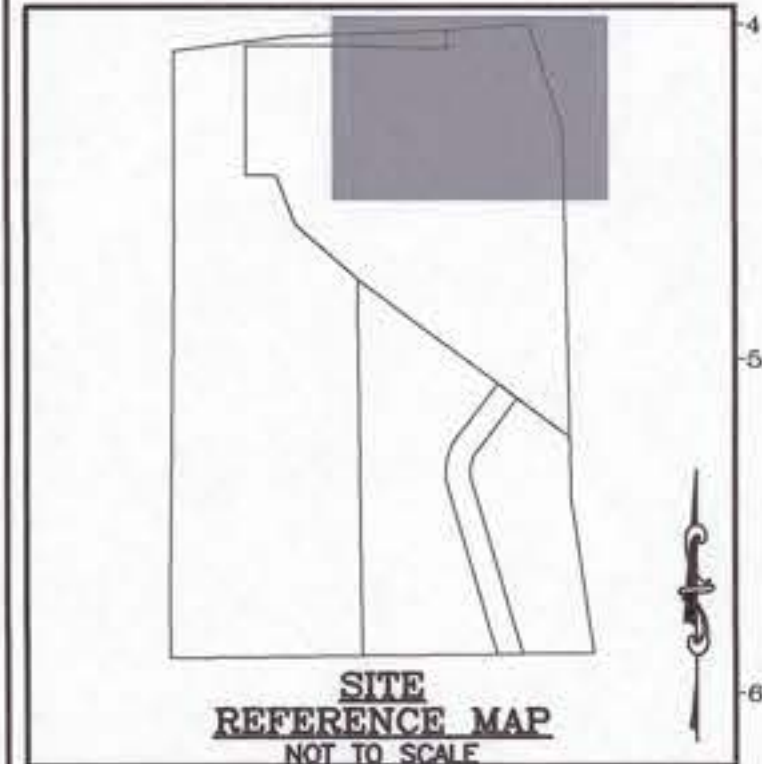
GRADING NOTES

1. USE EROSION CONTROL MATTING FOR ALL SIDE SLOPES 3:1 OR STEEPER.
2. STOCKPILE STRIPPED TOPSOIL ON SITE OR AT AN OFFSITE LOCATION WITH AN APPROVED SEDIMENT CONTROL PLAN AS REQUIRED.
3. SPOT ELEVATIONS REFER TO EDGE OF PAVEMENT, FLOWLINE OF CURB OR GROUND SURFACE.
4. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION.
5. PROVIDE A SMOOTH GRADING TRANSITION BETWEEN ALL DISTURBED AND EXISTING AREAS.
6. SIDEWALKS SHALL HAVE MAX CROSS SLOPE OF 2.0% AND MAX LONGITUDINAL SLOPE OF 5.0%.
7. CONTRACTOR SHALL CLEAN ACCUMULATED SEDIMENT FROM ALL DITCHES AND PIPING UPON COMPLETION OF PROJECT.
8. IMPORTED STRUCTURAL FILL SHALL BE TESTED PER ASTM D-1557 FOR MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT. ALL STRUCTURAL SOILS SHALL BE PLACED IN 8" LIFTS AND COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
9. PROPOSED PARKING LOT BASE SHALL BE PROOF ROLLED AND APPROVED BY ENGINEER PRIOR TO ASPHALT PLACEMENT.
10. CONTRACTOR SHALL COORDINATE WITH UTILITY PROVIDERS FOR RELOCATION OF UNDERGROUND ELECTRIC/CATV/PHONE AND OTHER UTILITIES AS REQUIRED.
11. REFER TO SHEETS C-102 THROUGH C-102.4 FOR SITE LAYOUT AND SITE UTILITY INFORMATION.
12. REFER TO SHEETS C-501 AND C-501.1 FOR SEDIMENT AND EROSION CONTROL NOTES AND DETAILS.
13. REFER TO SHEET C-502 FOR STORM DRAIN NOTES AND DETAILS.

GRADING KEY NOTES

1. ALL HANDICAP PARKING SPACES AND ACCESS AISLES SHALL HAVE 2% MAXIMUM GRADE (TYP)
2. CROSSWALKS SHALL HAVE MAX 2% CROSS SLOPE
3. GRATE SHALL BE EQUAL TO STD YARD INLET PER DETAIL, SIZED TO FIT STRUCTURE
4. PROVIDE SOLID PVC CLEANOUT W/ SCREW CAP 6" ABOVE TRAP FLOOR ELEVATION, TYPICAL AT END OF ALL UNDERDRAIN PIPE RUNS AND BENDS
5. 4" PERFORATED UNDERDRAIN
6. 10' LONG 4" PERFORATED TEMPORARY HORIZONTAL DRAINDOWN DEVICE INSTALLED IN BOTH UNDERDRAIN OPENINGS, PER DETAIL G-2-6.

REVISIONS TO APPROVED PLANS			
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6.10.25
 DATE

SITE GRADING, SEDIMENT & EROSION CONTROL PLAN

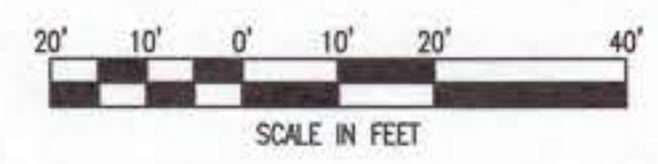
SHARP ROAD PARK SPORTS COMPLEX

IN THE TOWN OF DENTON
 CAROLINE COUNTY, MARYLAND
 TAX MAP 105 GRID 22 PARCEL 2292

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AGENCY SUBMITTAL - FINAL	03/17/25	TWC
FINAL APPROVAL	06/10/25	TWC

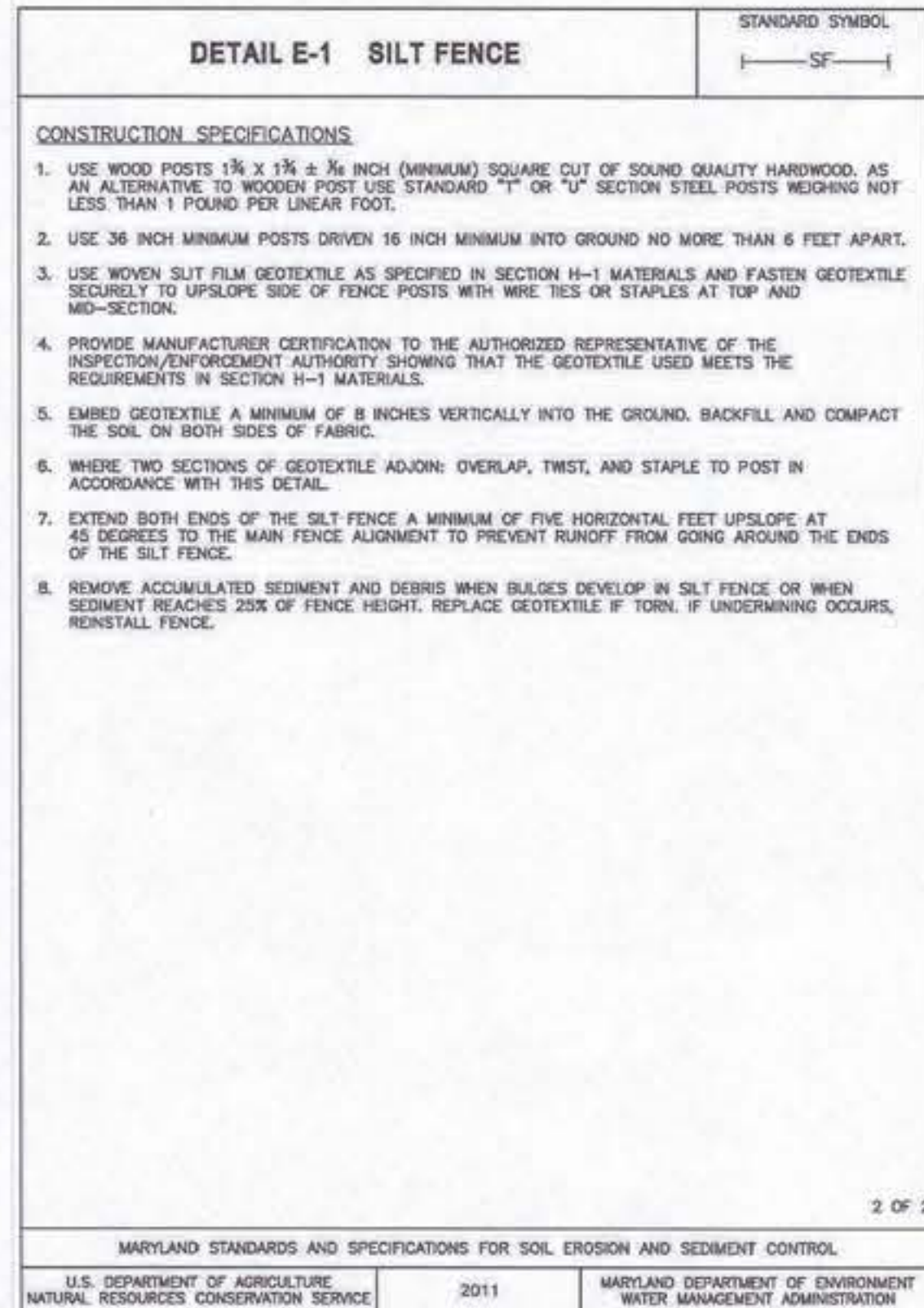
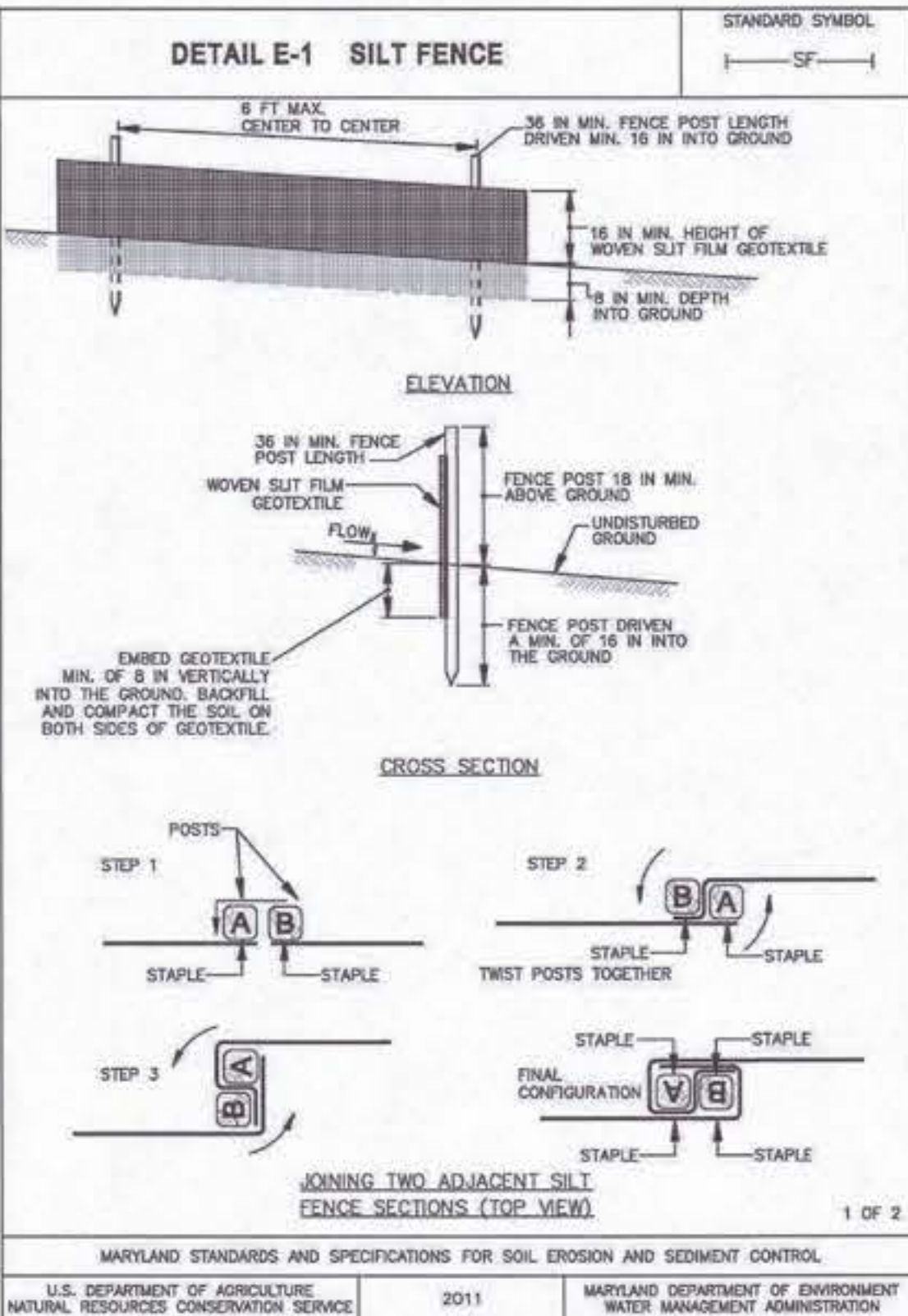
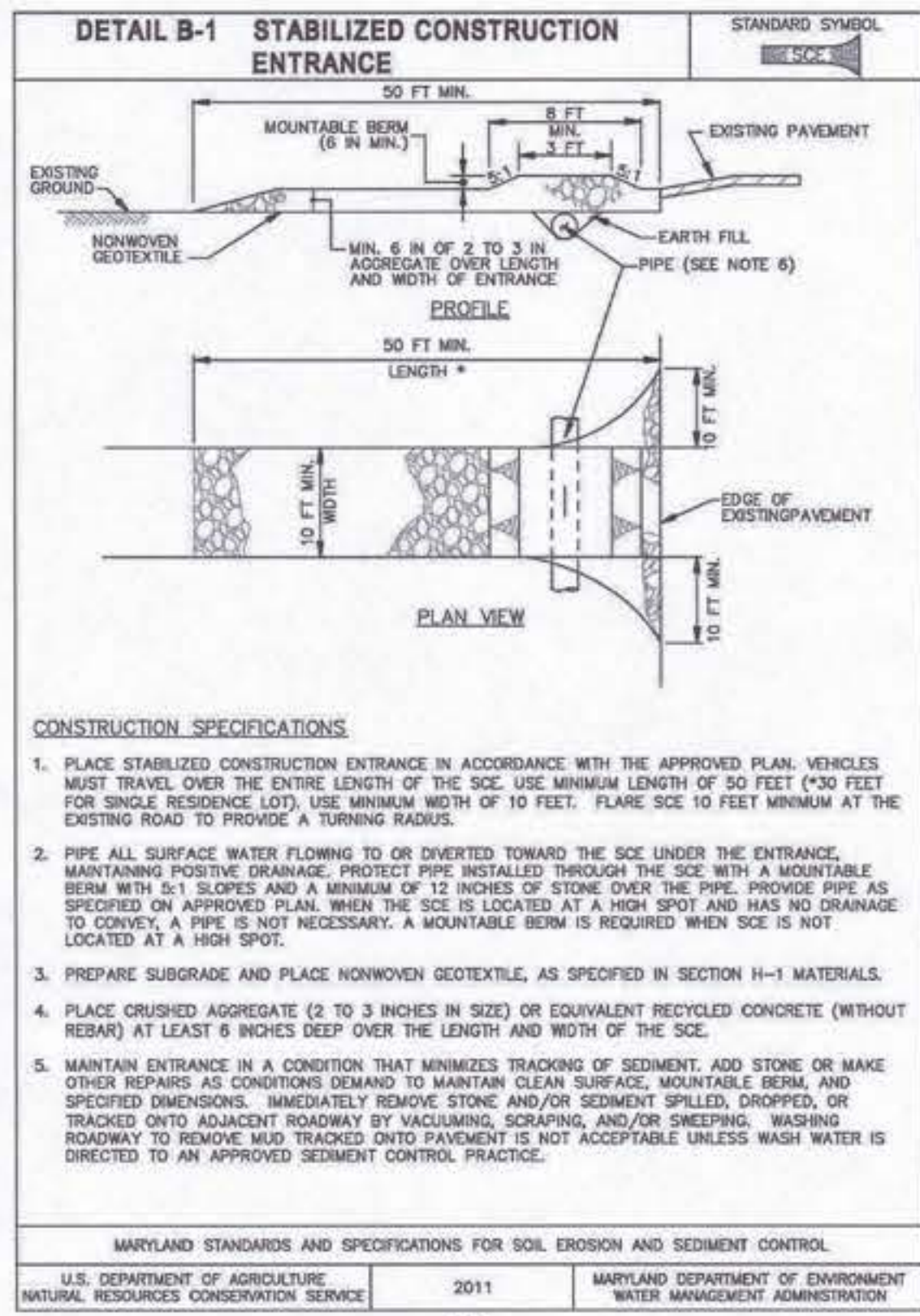
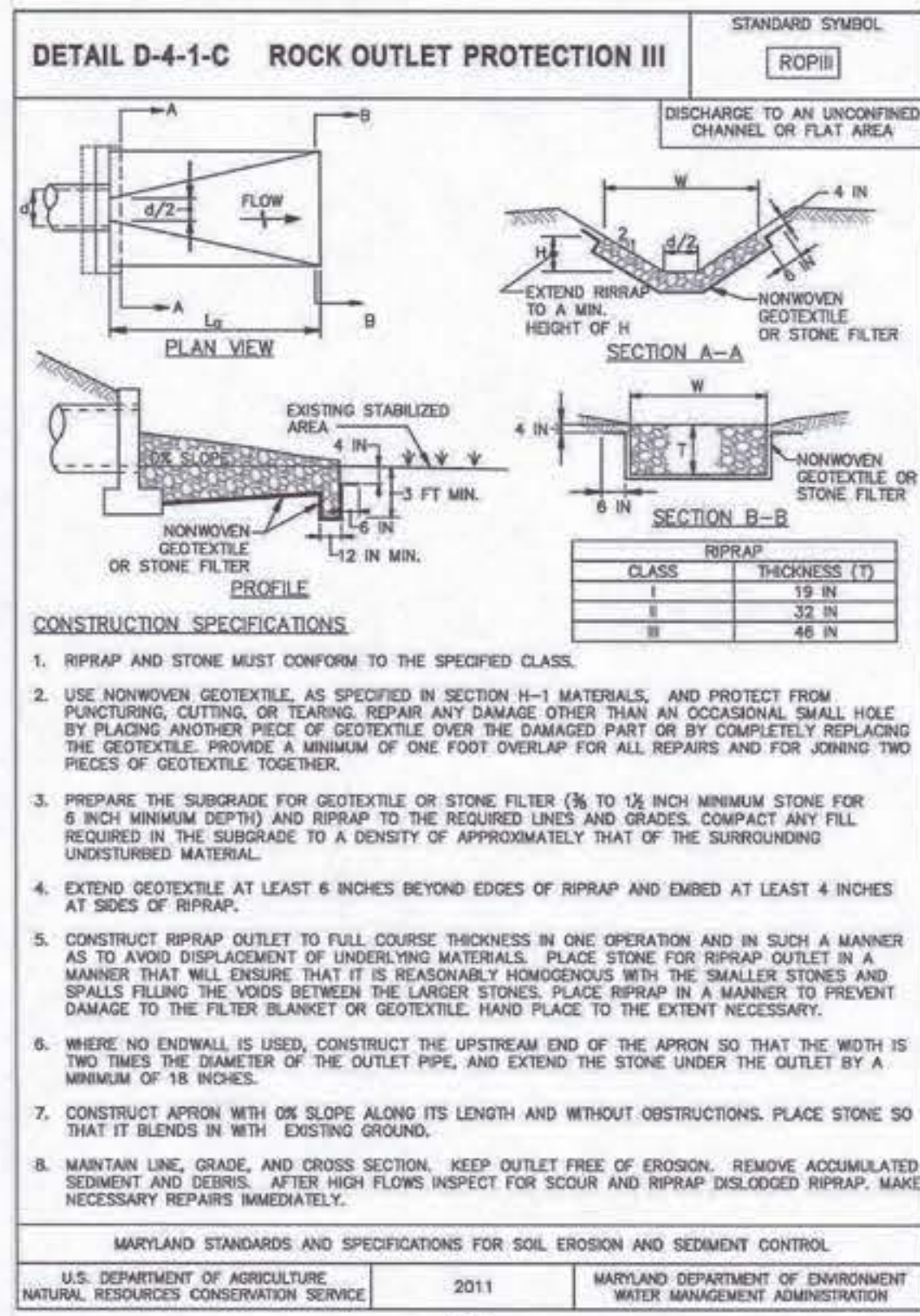
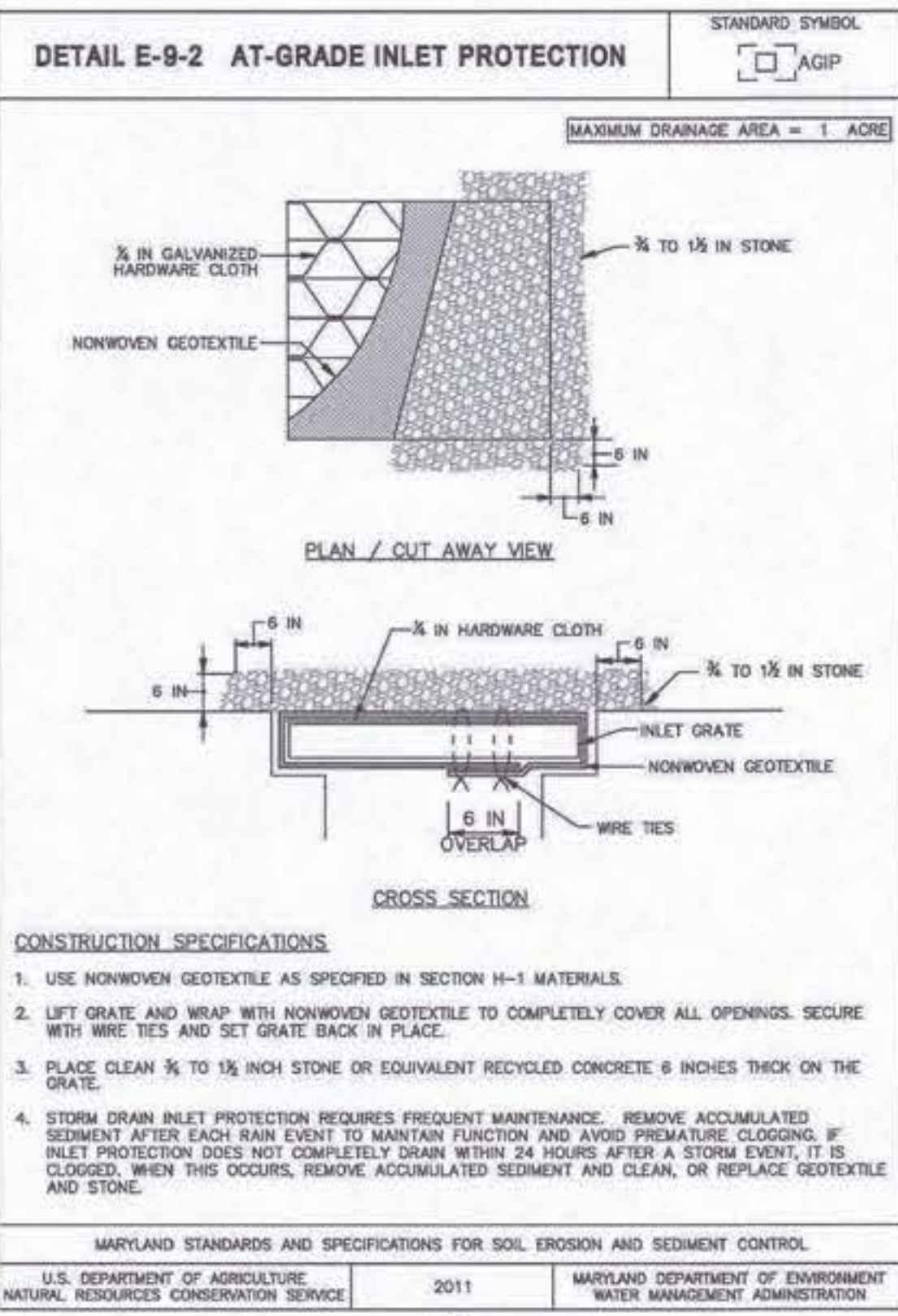
PROPOSED STORMDRAIN STRUCTURE DATA TABLE

STRUCTURE	RIM	INVERT IN	TYPE	INVERT OUT	TYPE	DESCRIPTION
SDI 3	33.99'			32.00'	12" HDPE	PRECAST YARD INLET PER STD MD-381.02



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NAD 83 (2011) SYSTEM
 MD COORDINATE SYSTEM



SEQUENCE OF CONSTRUCTION

- CONTACT THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) AT (410) 901-4020, CAROLINE SOIL CONSERVATION DISTRICT (410) 479-1202, AND LANE ENGINEERING, LLC AT (410) 822-8003, TWO WEEKS PRIOR TO START OF CONSTRUCTION TO SCHEDULE A PRE-CONSTRUCTION MEETING.
- INSTALL SOIL EROSION AND SEDIMENT CONTROL MEASURES: SILT FENCE (SF) AND STABILIZED CONSTRUCTION ENTRANCE (SCE), PER THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN.
- INSTALL TEMPORARY SEDIMENT TRAP WITH BOTTOM AT ELEVATION 28.0, PER TRAP DATA TABLE. INSTALL STORM DRAIN PIPES AND CULVERT, OUTLET STRUCTURE WITH HORIZONTAL DRAWNOFF DEVICE PER DETAIL WITH PERFORATIONS AT ELEVATION 29.75. INSTALL INLETS AS SHOWN AND INSTALL AT GRADE INLET PROTECTION (AGIP) AND STANDARD INLET PROTECTION (SIP). INSTALL ROCK OUTLET PROTECTION (ROP III) AS SHOWN.
- GRADE SITE AND FIELDS, PROVIDE POSITIVE DRAINAGE AND TIE TO EXISTING GRADE PER GRADING PLAN. SEED AND STABILIZE DISTURBED AREAS PER SEEDING NOTES, INSTALL EROSION CONTROL MATTING ON ALL SLOPES 3:1 OR STEEPER.
- INSTALL NEW ACCESS AND PARKING AREAS PER SITE PLAN.
- COORDINATE INSTALLATION OF FIELD AND SITE AMENITIES INCLUDING BLEACHER PADS, DUGOUTS, SIGNAGE, LIGHTING AND FENCING. COORDINATE INSTALLATION OF ELECTRIC, STABILIZED ALL DISTURBED AREAS WITH TOPSOIL, SEED, AND MULCH.
- ONCE THE DRAINAGE AREA TO THE SWM FACILITY IS STABILIZED, CLEAN OUT TRAP AND EXCAVATE PER MBR PLAN AND SECTIONS, INSTALL UNDERDRAINS, GRAVEL AND MEDIA, SHAPE THE SLOPES AND STABILIZE WITH SEED AND MULCH AND EROSION MATTING.
- INSTALL LANDSCAPING AND STABILIZE WITH MULCH PER LANDSCAPE PLAN AND DETAILS.
- ONCE THE SITE IS FULLY STABILIZED, AND THROUGH COORDINATION AND APPROVAL OF THE MARYLAND DEPARTMENT OF THE ENVIRONMENT INSPECTOR, REMOVE SEDIMENT CONTROL MEASURES.

NOTE:
THE SEQUENCE OF CONSTRUCTION AS LISTED ABOVE IS FOR THE USE BY THE CONTRACTOR AS A GENERAL GUIDELINE FOR SEQUENCING CONSTRUCTION ACTIVITIES. THE CONTRACTOR MAY ADJUST THE SEQUENCE OF CONSTRUCTION, AS NEEDED, UPON THE APPROVAL BY THE OWNER AND THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.

SOIL EROSION AND SEDIMENT CONTROL STANDARDS AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION

- CONTRACTOR SHALL INSTALL SOIL EROSION AND SEDIMENT CONTROL DEVICES PRIOR TO ANY GRADING. FOLLOWING INITIAL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DICES, SWALES, DITCHES, PERIMETER SLOPES GREATER THAN (3) HORIZONTAL TO (1) VERTICAL (3:1) AND SEVEN (7) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES ARE TO BE PROVIDED AS INDICATED ON THIS PLAN, WITH LOCATION ADJUSTMENTS TO BE MADE IN THE FIELD AS NECESSARY, AND TO BE MAINTAINED AT THE END OF EACH WORKING DAY UNTIL PROJECT COMPLETION. THE MINIMUM AREA PRACTICAL SHALL BE DISTURBED FOR THE MINIMAL AMOUNT OF TIME POSSIBLE.
- CLEARING AND GRUBBING SHALL INCLUDE ALL TREES, BRUSH, DEBRIS, ROOT MAT AND ORGANIC MATERIAL TO BE REMOVED.
- TEMPORARY SEEDING SHALL BE ACCOMPLISHED BETWEEN FEBRUARY 15TH THROUGH APRIL 30TH OR AUGUST 15TH THROUGH NOVEMBER 30TH. DURING OTHER TIMES, TEMPORARY MULCHING SHALL BE PROVIDED.
- TEMPORARY SEEDING SHALL CONFORM TO THE FOLLOWING APPLICATIONS: 436 LBS PER ACRE OF 10-20-20; 4,000 LBS PER ACRE OF GROUND LIMESTONE, TO BE INCORPORATED INTO THE SOIL BY DISKING OR OTHER SUITABLE MEANS. ANNUAL RYE GRASS SHALL BE APPLIED AT A RATE OF 50 LBS PER ACRE USING SUITABLE EQUIPMENT. MULCHING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER SEEDING.

TEMPORARY SEEDING SCHEDULE:

Seed Mixture (Hardiness Zone 7a)				Seeding Dates	Seeding Depths	Fertilizer Rate (10-20-20)	Lime Rate
No.	Species	Appl. Rate (lbs/ac)	(From Table B.1)				
Annual Ryegrass							
	Barley	96#	2/15-4/30 / 8/15-11/30	1"	Rate (436 lbs/ac) (10 lbs/1000 sf)	2 tons/ac (90 lbs/1000 sf)	
	Oats	72#	2/15-4/30 / 8/15-11/30	1"			
	Wheat	120#	2/15-4/30 / 8/15-11/30	1"			
	Cereal Rye	112#	2/15-4/30 / 8/15-12/15	1"			
	Forstall Millet	30#	5/1-8/14	1/2"			
	Pearl Millet	20#	5/1-8/14	1/2"			

- MULCHING SHALL BE UNCHOPPED, UNROTTED, SMALL GRAIN STRAW APPLIED AT A RATE OF 2-2 1/2 TONS PER ACRE. ANCHOR MULCH WITH A MULCH ANCHORING TOOL ON THE CONTOUR. WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW AT A RATE OF 750 LBS PER ACRE MIXED WITH WATER AT A MAXIMUM OF 50 LBS OF WOOD CELLULOSE FIBER PER 100 GALS OF WATER, OR WITH A SYNTHETIC LIQUID BINDER ACCORDING TO MANUFACTURER RECOMMENDATIONS. WOOD CELLULOSE FIBER USED AS MULCH MUST BE APPLIED AT A NET DRY WEIGHT OF 1,500 LBS PER ACRE. MIX WOOD CELLULOSE FIBER WITH WATER TO ATTAIN A MIXTURE WITH A MAXIMUM OF 50 LBS OF WOOD CELLULOSE FIBER PER 100 GALS OF WATER.
- TEMPORARY SEEDING SHALL BE ACCOMPLISHED BETWEEN FEBRUARY 15TH THROUGH APRIL 30TH, OR AUGUST 15TH THROUGH OCTOBER 31ST. PERMANENT SEEDING AT OTHER THAN SPECIFIED TIMES WILL BE ALLOWED ONLY UPON WRITTEN APPROVAL. PERMANENT SEEDING SHALL CONFORM TO THE FOLLOWING APPLICATIONS: PERMANENT SEEDING FOR SITES HAVING DISTURBED OVER (5) ACRES SHALL USE FERTILIZER RATES RECOMMENDED BY A SOIL TESTING AGENCY AND THE RECOMMENDATIONS PROVIDED IN THE PERMANENT SEEDING SUMMARY TABLE. PERMANENT SEEDING FOR CONDITIONS OTHER THAN LISTED ABOVE SHALL BE PERFORMED AT THE RATES AND DATES AS PROVIDED IN THE PERMANENT SEEDING SUMMARY TABLE ABOVE. FERTILIZER AND LIME AMENDMENTS SHALL BE INCORPORATED INTO THE TOP 3" TO 5" OF THE SOIL BY DISKING OR OTHER SUITABLE MEANS. MULCHING SHALL BE ACCOMPLISHED AS DISCUSSED IN ITEM NO. 6 OF THESE SPECIFICATIONS.

PERMANENT SEEDING SCHEDULE:

Seed Mixture (Hardiness Zone 7a)				Fertilizer Rate (10-20-20)			Lime Rate	
NO	Species	Application Rate (lbs/ac)	Seeding Dates	Seeding Depths	N	P2O5		K2O
7	Creeping Red Fescue Kentucky Bluegrass	60# 15#	2/15 to 4/30 or 8/15 to 10/31	1"-1/2"	45 lbs/ac (1 lbs/1000 sf)	90 lbs/ac (2 lbs/1000 sf)	90 lbs/ac (2 lbs/1000 sf)	2 tons/ac (90 lbs/1000 sf)
8	Tall Fescue	100#	2/15 to 4/30 or 8/15 to 10/31	1"-1/2"				
9	Tall Fescue Kentucky Bluegrass Perennial Ryegrass	60# 40# 20#	2/15 to 4/30 or 8/15 to 10/31	1"-1/2"				

- ANY SPOIL OR BORROW WILL BE PLACED AT A SITE APPROVED BY THE SOIL CONSERVATION DISTRICT.
- ALL AREAS REMAINING OR INTENDED TO REMAIN DISTURBED FOR LONGER THAN SEVEN (7) DAYS SHALL BE STABILIZED IN ACCORDANCE WITH THE USDA, NATURAL RESOURCES CONSERVATION SERVICE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS FOR CRITICAL AREA STABILIZATION.
- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR OR SUBCONTRACTOR TO NOTIFY THE ENGINEER OF ANY DEVIATION FROM THIS PLAN. ANY CHANGE MADE IN THIS PLAN WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER WILL PLACE RESPONSIBILITY OF SAID CHANGE ON THE CONTRACTOR OR SUBCONTRACTOR.

WETLAND SEEDING SCHEDULE:

Seed Mixture (Hardiness Zone 7a)				Seeding Dates	Seeding Depths	Fertilizer Rate (10-20-20)	Lime Rate
Species	Application Rate (lbs/ac)	(From Table B.1)					
Annual Ryegrass							
	Annual Ryegrass	40#	2/15 to 4/30 or 8/15 to 11/30	1"	Rate (436 lbs/ac) (10 lbs/1000 sf)	2 tons/ac (90 lbs/1000 sf)	
	Forstall millet	30#	5/1 to 8/14	1/2"			

SOIL CONSERVATION DISTRICT INFORMATION

SOIL TYPES:

CAROLINE COUNTY SOILS				
MAP SYMBOL	SOILS NAME	HYDRIC SOILS	K FACTOR	SOIL GROUP
CdA	CEDARTOWN LOAMY SAND		0.05	A
EwA	EVESBORO SAND		0.02	A
GAE	GALESTOWN AND ROSEDALE SOILS		0.02	A
IgB	INGLESIDE SANDY LOAM		0.15	A
KgB	KLEJ-GALLOWAY COMPLEX	YES	0.15	A/D
Za	ZEKIAH SANDY LOAM	YES	0.17	B/D

LIMIT OF DISTURBANCE AREA = LOT 2: 1.28 AC±
LOT 3: 6.95 AC±
TOTAL: 7.26 AC±

ESTIMATED VOLUME OF CUT = LOT 2: 5 CY±
LOT 3: 4,854 CY±

ESTIMATED VOLUME OF FILL = LOT 2: 5 CY±
LOT 3: 5,221 CY±

CUT AND FILL VOLUME INFORMATION IS FOR SOIL EROSION AND SEDIMENT CONTROL APPROVAL ONLY AND IS BASED ON EXISTING AND FINAL DESIGN TOPOGRAPHIC SURFACES, WHICH INCLUDES PROPOSED ROAD BASE, ASPHALT, CONCRETE AND OTHER CONSTRUCTION MATERIALS WHICH SHOULD BE ACCOUNTED FOR IN SOIL CUT/FILL QUANTITIES REQUIRED. CONTRACTOR SHALL PERFORM HIS OWN EARTHWORK VOLUME COMPUTATION FOR ESTIMATING OR BIDDING PURPOSES.

REVISIONS TO APPROVED PLANS

No.	DATE	DESCRIPTION	BY

MISS UTILITY
WARNING!
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BEFORE YOU DO CALL 1-800-441-8353 OR 811 PROTECT YOURSELF, GIVE TWO WORKING DAYS NOTICE

Lane Engineering, LLC
Established 1986
Civil Engineers • Land Planning • Land Surveyors

117 Bay St., Easton, MD 21613 (410) 822-8003
15 Washington St., Cambridge, MD 21613 (410) 221-0818
304 Pennsylvania Ave., Centerville, MD 21027 (410) 758-2095

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. 23152 - Expiration Date: 7/5/2025.

STATE OF MARYLAND
6.10.25
DATE

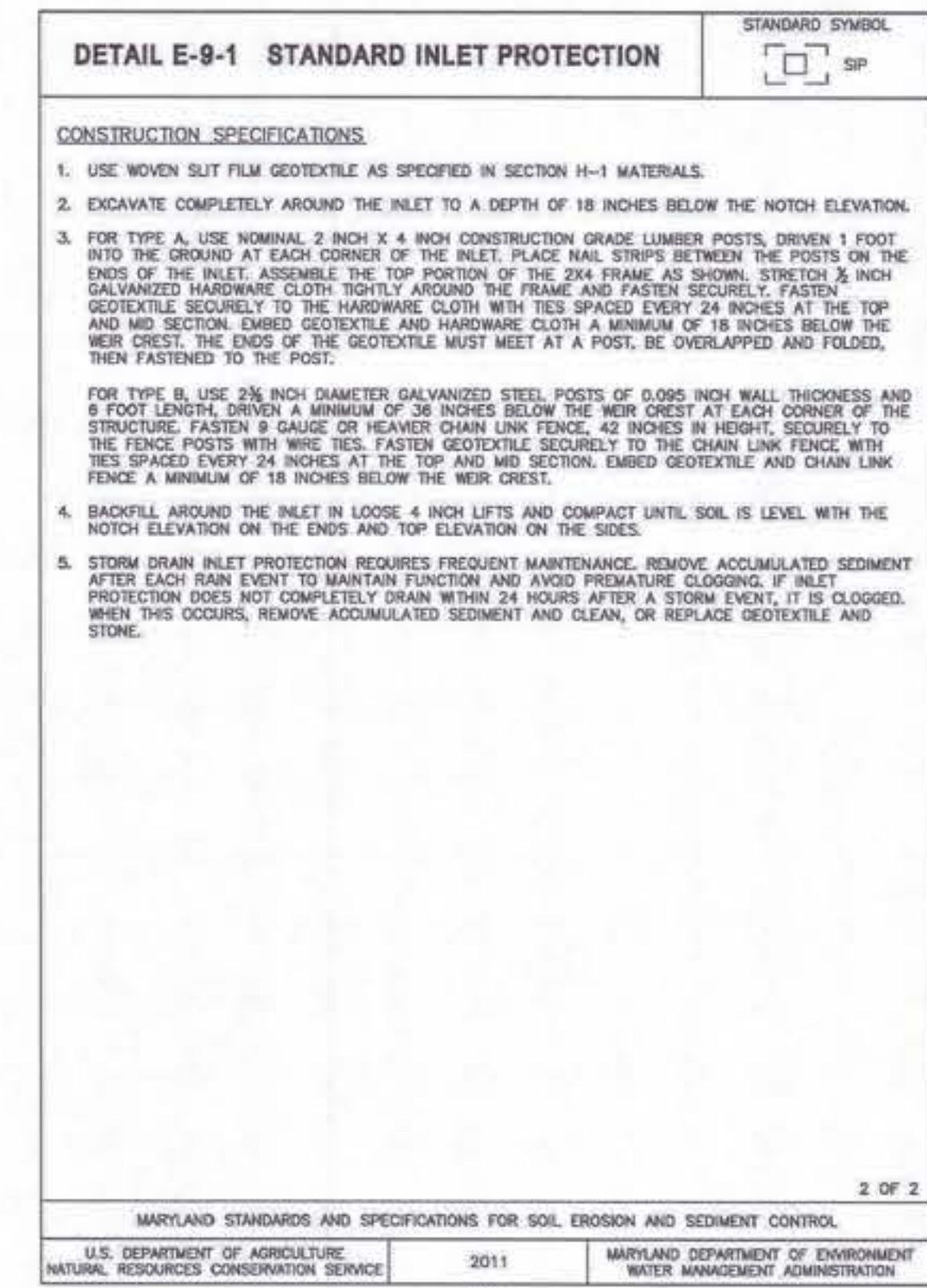
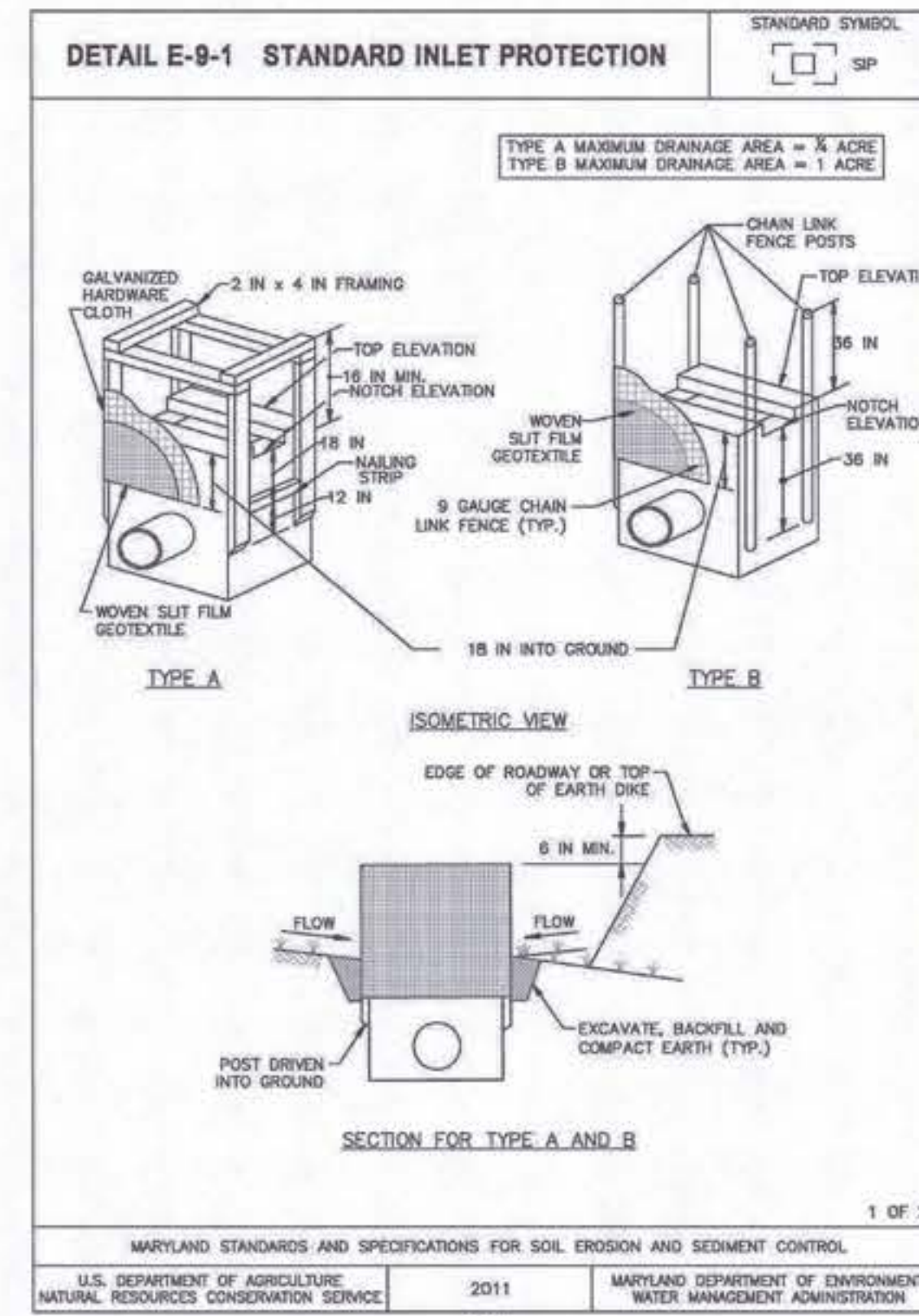
SEDIMENT & EROSION CONTROL NOTES & DETAILS

SHARP ROAD PARK SPORTS COMPLEX

IN THE TOWN OF DENTON
CAROLINE COUNTY, MARYLAND
TAX MAP 105 GRID 22 PARCEL 2292

ISSUED/REVISED FOR: DATE: BY:
PLANNING COMMISSION SUBMITTAL 12/13/24 TWG
AGENCY SUBMITTAL 01 01/24/25 TWG
AGENCY SUBMITTAL - FINAL 03/10/25 TWG
AGENCY SUBMITTAL - FINAL 03/27/25 TWG
FINAL APPROVAL 06/10/25 TWG

SHEET No. C-501
SCALE: AS NOTED
JOB No. 240183
FILE No. 3057



REVISIONS TO APPROVED PLANS

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PROTECT YOURSELF, GIVE TWO WORKING DAYS NOTICE

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264 Pennsylvania Ave., Centreville, MD 21617 (410) 758-2055

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SEAL

STATE OF MARYLAND
NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS
6.10.25

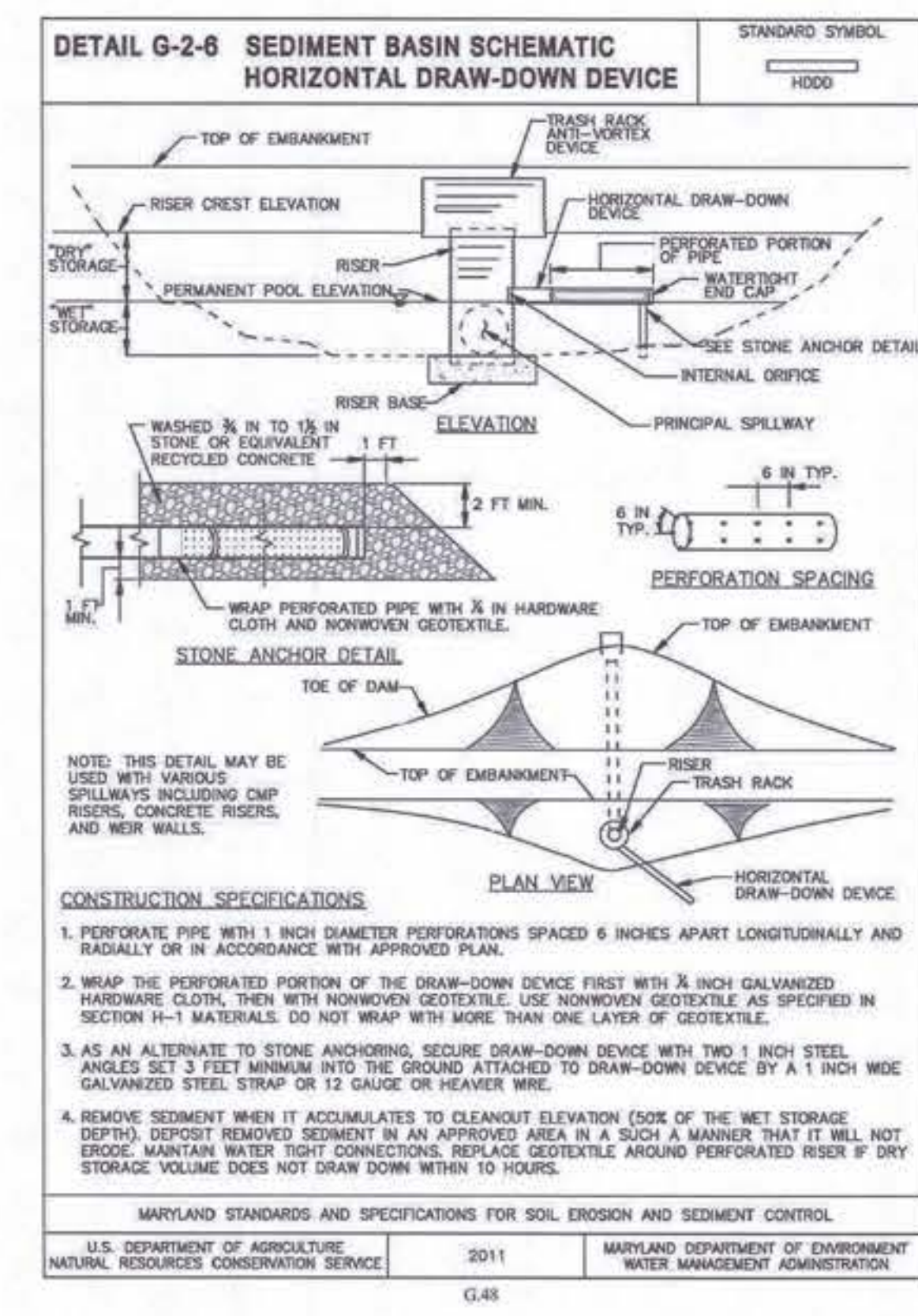
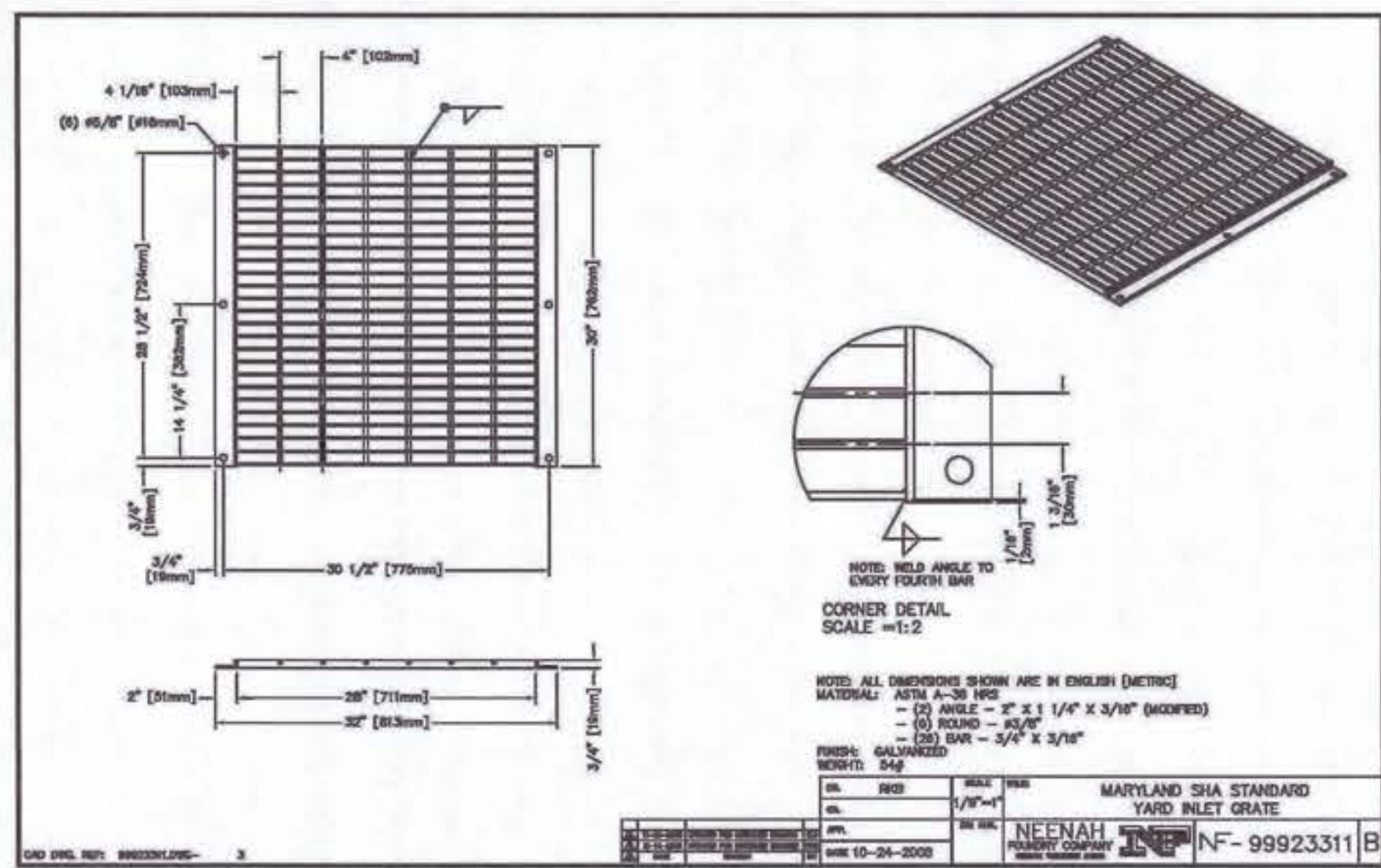
SEDIMENT & EROSION CONTROL NOTES & DETAILS

SHARP ROAD PARK SPORTS COMPLEX

IN THE TOWN OF DENTON
CAROLINE COUNTY, MARYLAND
TAX MAP 105 GRID 22 PARCEL 2292

ISSUED/REVISED FOR:	DATE:	BY:
PLANNING COMMISSION SUBMITTAL	12/13/24	TWG
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AGENCY SUBMITTAL - FINAL	03/27/25	TWG
FINAL APPROVAL	06/10/25	TWG

SHEET No. C-501.1	JOB No. 240183
SCALE: AS NOTED	FILE No. 3057



*USED FOR HORIZONTAL DRAWDOWN DEVICE ONLY.

Date: 06/10/2025 9:29am User: mchiller Project Manager: TWG
Doc: C:\2024\240183\240183.dwg Plot Path: C:\2024\240183\240183.dwg
XFREF File(s): GSE-BASE-240183/HS-BASE-240183

STORMWATER MANAGEMENT COMPLIANCE

1. SWM QUANTITY IS ADDRESSED BY ATTENUATION/CONTROL THROUGH MBR FACILITY.
2. SWM IS ADDRESSED THROUGH DESIGN MANUAL SECTION 5.4.2 NONSTRUCTURAL PRACTICES: DISCONNECTION OF NON-ROOFTOP RUNOFF (N-2) AND MICRO BIORETENTION.

(N-2): NON-ROOFTOP IMPERVIOUS AREAS (DRIVEWAYS, WALKS, ETC.) SHALL BE GRADED TO PROMOTE SHEETFLOW OF RUNOFF ONTO PERVIOUS AREAS. WHERE SHEETFLOW CANNOT BE MAINTAINED, GRADING SHALL BE SUCH THAT NO MORE THAN 1,000 SQ. FT. OF IMPERVIOUS COVER WILL DRAIN TO ONE AREA. AVERAGE SLOPE DOWNSTREAM OF IMPERVIOUS COVER SHALL NOT EXCEED 5% FOR A LENGTH EQUAL TO OR GREATER THAN THE LENGTH OF FLOW ACROSS THE IMPERVIOUS COVER.

NOTES:

1. VEGETATED AREAS RECEIVING RUNOFF THAT HAVE BEEN COMPACTED BY CONSTRUCTION ACTIVITIES SHALL BE SCARIFIED OR TILLED TO A DEPTH OF AT LEAST FOUR INCHES AND THEN STABILIZED.

MICRO-BIORETENTION AREA NOTES

1. DO NOT INSTALL PLANTING SOIL OR UNDERDRAIN SYSTEM UNTIL CONTRIBUTING DRAINAGE AREA IS STABILIZED. AS AN ALTERNATIVE THE MICRO-BIORETENTION AREA MAY BE CONSTRUCTED IF ENCLOSED WITH SILT FENCE.
2. CONSTRUCTION SHALL BE PERFORMED WITH LIGHTWEIGHT, WIDE-TRACKED EQUIPMENT TO MINIMIZE DISTURBANCE AND COMPACTION. BOTTOM SHALL BE SCARIFIED BEFORE INSTALLING UNDERDRAIN SYSTEM.
3. SEE TABLE B.4.1 FOR MATERIAL SPECIFICATIONS.
4. SEE PLANS FOR PLAN DIMENSIONS AND ADDITIONAL INFORMATION.
5. SURFACE ELEVATION = SEE PLANS AND DETAILS.
6. SURFACE AREA = SEE PLANS AND DETAILS.
7. PROVIDE 24" DEPTH OF PLANTING SOIL. SOIL SHALL BE COMPOSED OF:
 - 60-85% LOAMY SAND AND 35-40% COMPOST, OR
 - 30% SANDY LOAM, 30% COARSE SAND AND 40% COMPOST.
8. PLACE SOIL IN 12" LIFTS. DO NOT COMPACT WITH EQUIPMENT - SPRAYING WATER ON EACH LIFT MAY QUICKEN SETTLING TIMES.
9. UNDERDRAIN PIPE SHALL BE 4" ADS N-12 PE OR SCH40, SIZES AS SHOWN, SLOTTED OR PERFORATED. 3/4" PERFORATIONS AT 4" ON CENTER, 4 HOLES PER ROW, PERFORATED PIPE SHALL NOT BE WRAPPED WITH NON-WOVEN GEOTEXTILE FILTER FABRIC, RATHER ENCAPSULATED WITH STONE.
10. UNDERDRAIN GRAVEL SHALL BE WASHED NO. 57 OR NO. 6 AGGREGATE (3/8" - 3/4"), 6" THICKNESS.
11. REFER TO LANDSCAPE PLAN FOR PLANTINGS.
12. PROVIDE 2-3" SHREDDED HARDWOOD MULCH.
13. CONTACT ENGINEER FOR INSPECTIONS AT THE FOLLOWING STAGES OF CONSTRUCTION:
 - EXCAVATION TO SUBGRADE AND PLACEMENT OF UNDERDRAIN SYSTEM.
 - PLACEMENT OF PLANTING SOIL.
 - CONSTRUCTION OF CONVEYANCE STRUCTURES AND PIPES.
 - COMPLETION OF FINAL GRADING AND ESTABLISHMENT OF PERMANENT STABILIZATION.

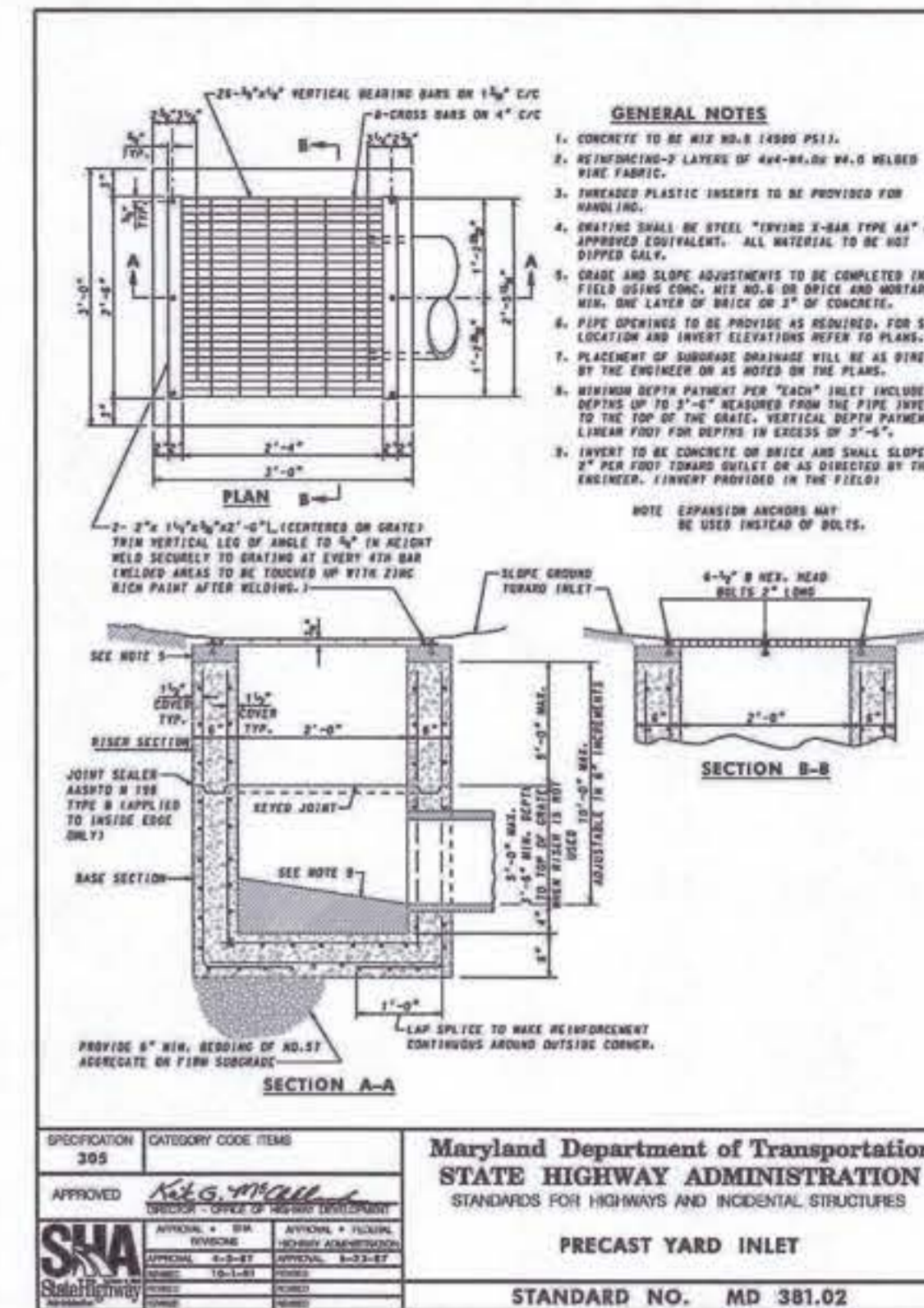
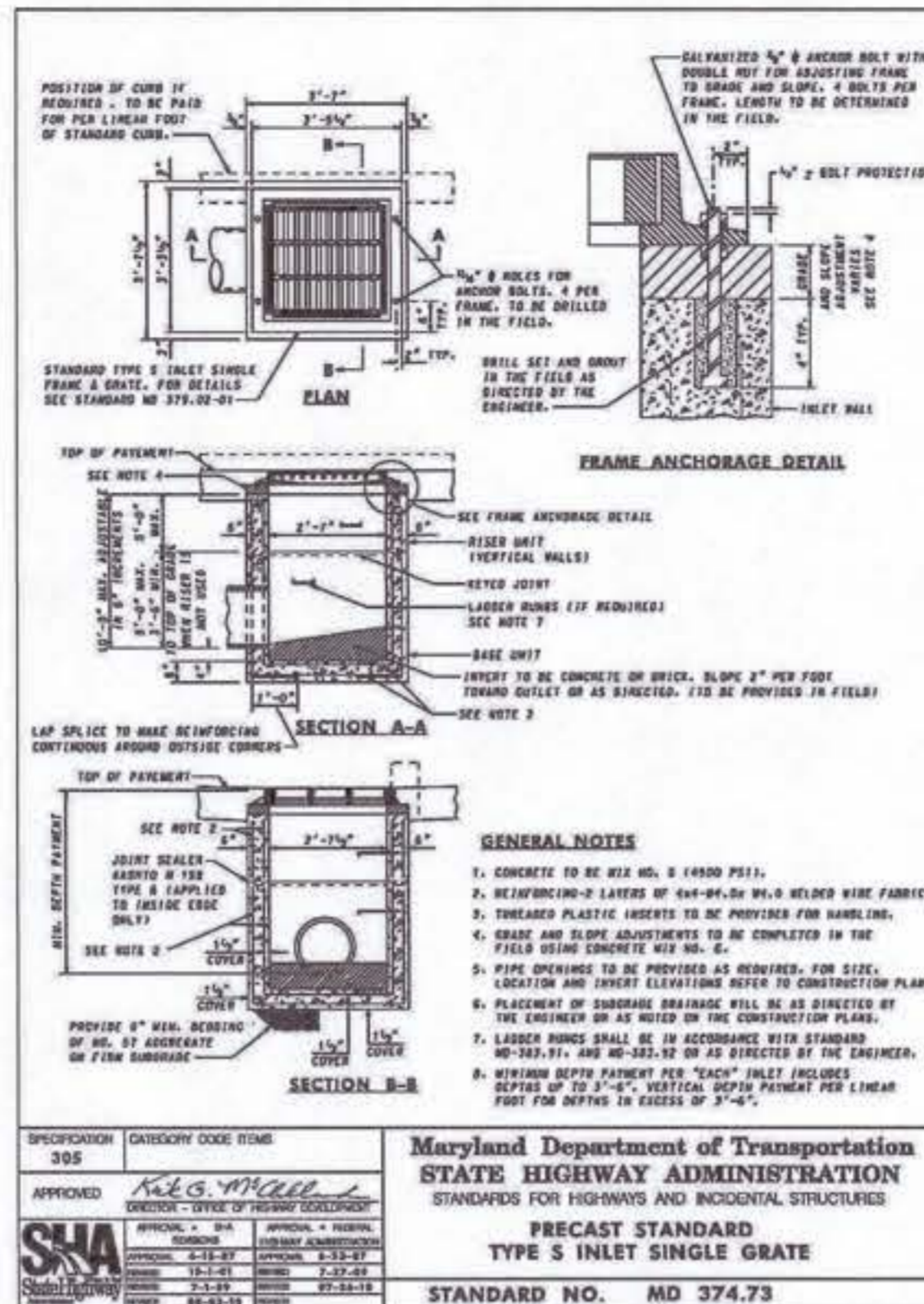
MBR MAINTENANCE SCHEDULE

NOTE: OWNER SHALL BE RESPONSIBLE FOR INSPECTION AND MAINTENANCE OF THE STORMWATER MANAGEMENT PRACTICES. A MAINTENANCE LOG, DETAILING INSPECTIONS AND CORRECTIVE ACTIONS TAKEN, SHALL BE MAINTAINED BY THE OWNER AND SHALL BE AVAILABLE FOR REVIEW BY THE TOWN. THE TOWN RESERVES THE RIGHT TO INSPECT THE FACILITIES AND REVIEW SAID OWNER'S RECORDS AS NECESSARY.

- INSPECTIONS SHALL BE CONDUCTED AFTER EVERY SIGNIFICANT STORM EVENT (GREATER THAN 1" OF RAINFALL) WITH A MINIMUM OF ONE INSPECTION EVERY 6 MONTHS.
- SILT AND SEDIMENT ACCUMULATION SHOULD BE REMOVED FROM THE SURFACE WHEN ACCUMULATION EXCEEDS ONE INCH.
- TRASH AND DEBRIS SHALL BE REMOVED AS NECESSARY.
- WHEN WATER PONDS FOR MORE THAN 48 HOURS, THE TOP FEW INCHES OF PLANTING MEDIA SHALL BE REMOVED AND REPLACED.
- SOO SLOPES SHALL BE MOWED REGULARLY.
- OCCASIONAL PRUNING AND REPLACEMENT OF DEAD VEGETATION IS NECESSARY. IF SPECIFIC PLANTS ARE NOT SURVIVING, MORE APPROPRIATE SPECIES SHALL BE USED. WATERING MAY BE REQUIRED DURING PROLONGED DRY PERIODS.
- INLETS AND OUTLETS SHOULD BE FREE FROM DEBRIS TO PREVENT CLOGGING.
- EROSION AT INFLOW POINTS SHOULD BE REPAIRED.
- MULCH SHOULD BE REPLACED ANNUALLY.

Appendix B.4. Construction Specifications for Environmental Site Design Practices

Material	Specification	Size	Notes
Plantings	see Appendix A, Table A.4	n/a	plantings are site-specific
Planting soil (2" to 4" deep)	loamy sand (60-85%) & compost (35-40%) or sandy loam (30%), coarse sand (30%) & compost (40%)	n/a	USDA soil types loamy sand or sandy loam; clay content < 5%
Organic content	Min. 10% by dry weight (ASTM D 3974)	n/a	
Mulch	shredded hardwood	n/a	aged 6 months, minimum no pine or wood chips
Pea gravel/diaphragm	pea gravel: ASTM-D-448	NO. 8 OR NO. 9 (1/8" TO 3/8")	
Curbs/drain	dimensional stone: washed cobble	stone: 2" to 5"	
Geotextile	n/a	n/a	PE Type 1 nonwoven
Gravel (underdrains and infiltration berms)	AASHTO M-43	NO. 57 OR NO. 6 AGGREGATE (3/8" TO 3/4")	
Underdrain piping	F 758, Type PS 28 or AASHTO M-278	4" to 6" rigid schedule 40 PVC or SDR35	Slotted or perforated pipe, 3/8" perf. @ 8" on center, 4 holes per row; minimum of 3" of gravel over pipe; not necessary underdrain pipes. Perforated pipe shall be wrapped with 1/4-inch submersible landscape cloth.
Poured in place concrete (if required)	MSHA Mix No. 3, f'c = 3500 psi @ 28 days, normal weight, air-entrained, reinforcing to meet ASTM-615-60	n/a	on-site testing of poured-in-place concrete required: 28 day strength and slump test; all concrete design (cast-in-place or pre-cast) not using previously approved Slur or local standards requires design drawings sealed and approved by a professional structural engineer licensed in the State of Maryland - design to include meeting ACI Code 350.R-99; vertical loading (15-10 or 10-20); allowable horizontal loading (based on soil pressure); and analysis of potential cracking.
Sand	AASHTO M-6 or ASTM-C-33	0.075" to 0.04"	Sand substitutions such as Diabase and Gneiss (AASHTO) #10 are not acceptable. No calcium carbonate or dolomitic sand substitutions are acceptable. No "rock dust" can be used for sand.



Hancor, Inc. Drainage Handbook Specifications • 1-25

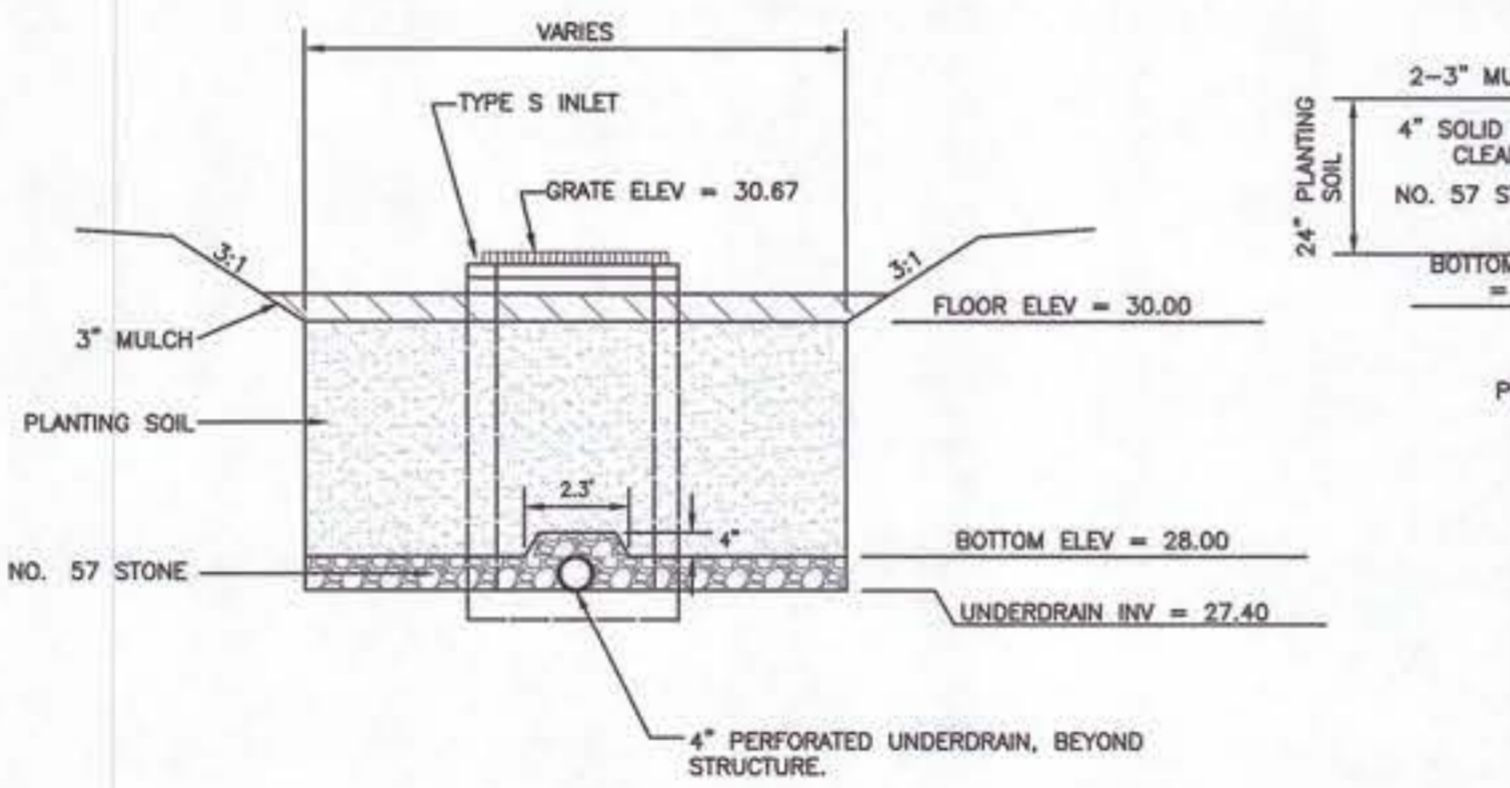
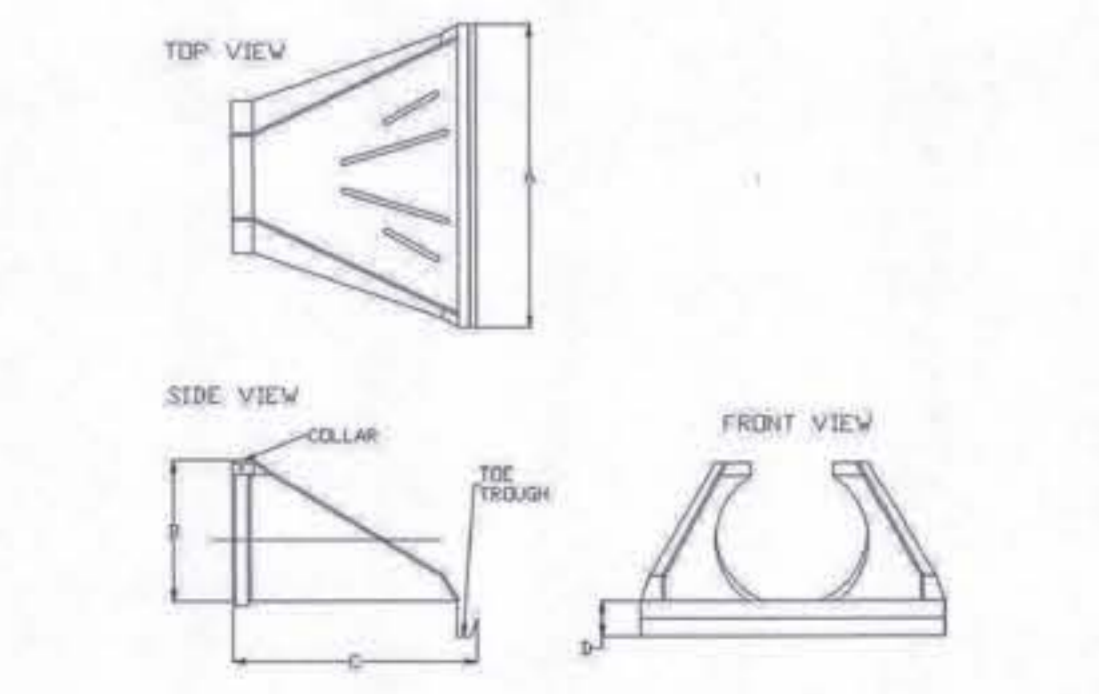
HANCOR HI-Q® FLARED END SECTION SPECIFICATIONS

Scope: This specification describes 10- through 36-inch (250 to 900mm) HI-Q Flared End Sections for use in culvert and drainage outlet applications.

Requirements: The invert of the pipe and the end section shall be at the same elevation. HI-Q Flared End Section shall be high density polyethylene meeting ASTM D3350 minimum cell classification 213320C. Each end section shall have a carbon black additive for UV protection. The metal threaded fastener shall be stainless steel.

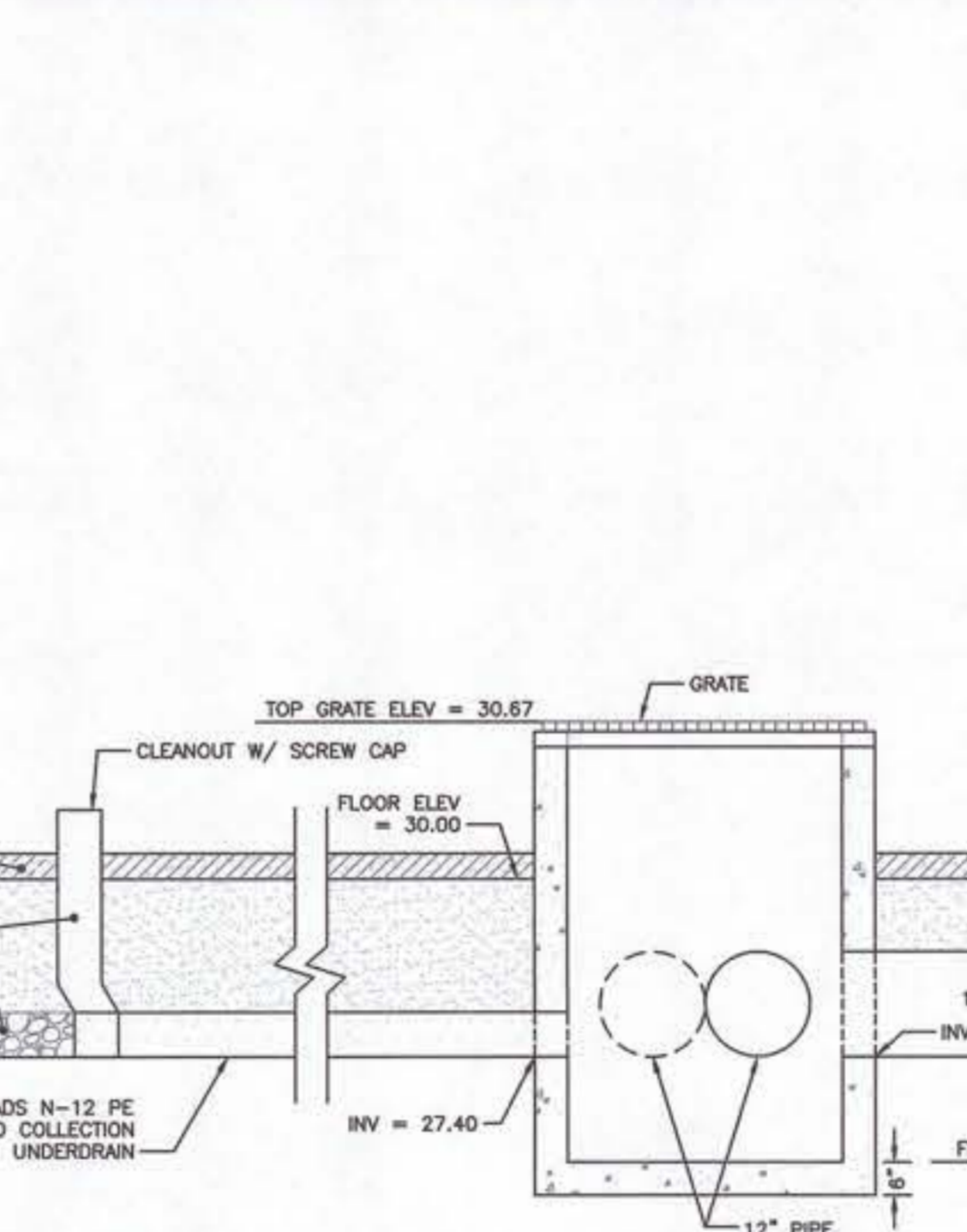
Installation: Installation shall be in accordance with Hancor installation instructions and with those issued by state or local authorities.

Diameter (mm)	PIPE DIAMETER, in (mm)					
	10-12 (250-300)	15 (400)	18 (450)	24 (600)	30 (750)	36 (900)
A	42 (1650)	47 (1848)	49 (1929)	53 (2088)	58 (2286)	68 (2667)
B	14.3 (563)	19 (748)	22 (864)	28 (1111)	36 (1414)	43 (1691)
C	33 (1300)	34 (1338)	43 (1691)	49 (1929)	63 (2481)	66 (2613)
D	6 (238)	6 (238)	6 (238)	6 (238)	6 (238)	6 (238)



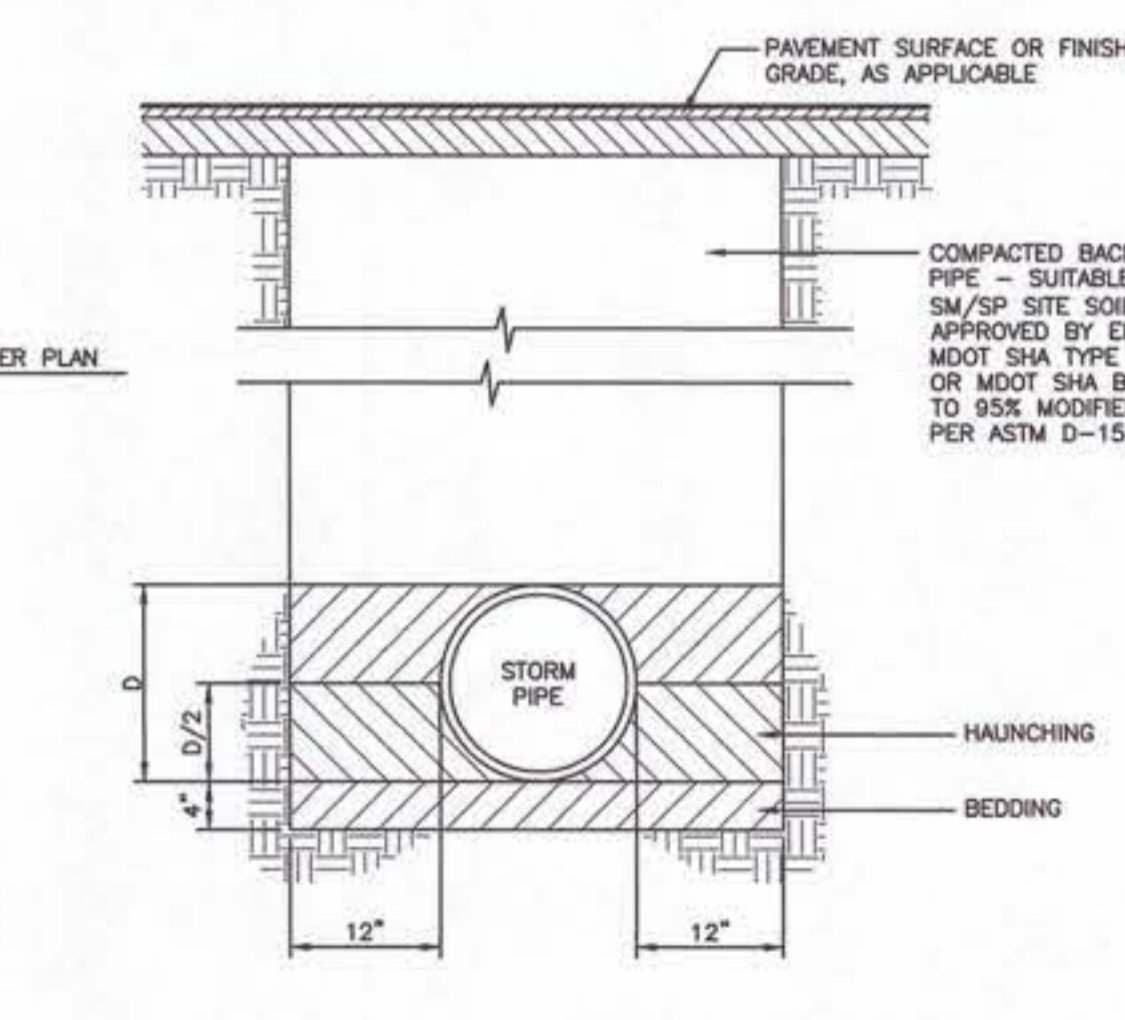
- NOTES**
1. SEE TABLE B.4.1 FOR MATERIAL SPECIFICATIONS.
 2. SEE SHEET C-103.2 FOR PLAN DIMENSIONS AND ADDITIONAL INFORMATION.

MICRO-BIORETENTION AREA SECTION
NOT TO SCALE



- NOTES**
1. STRUCTURE SHALL BE PRECAST TYPE S INLET PER SHA STD NO. MD-374.70.
 2. GRATE SHALL BE PER MARYLAND SHA STANDARD YARD INLET GRATE SIZED TO FIT STRUCTURE.

OS-1 SECTION
NOT TO SCALE



- NOTES:**
1. BEDDING, HAUNCHING, AND FILL MATERIAL TO THE TOP OF THE PIPE SHALL BE COARSE AGGREGATE MEETING THE REQUIREMENT OF AASHTO M43-SIZE NUMBER 57 WHEN DUAL WALL HDPE PIPE IS SPECIFIED.
 2. SUITABLE EXCAVATED MATERIAL APPROVED BY THE ENGINEER OR MDT SHA TYPE III BORROW OR MDT SHA BRG. COMPACT TO 95% MODIFIED PROCTOR PER ASTM D-1557.
 3. DURING HAUNCHING, CONTRACTOR SHALL CAREFULLY WORK BACKFILL DOWN AROUND THE BOTTOM OF THE PIPE.
 4. SEE PLANS FOR PIPE MATERIAL TO BE USED.

STORMDRAIN TRENCH DETAIL
NOT TO SCALE

SEDIMENT TRAP DATA																
Sediment Trap No.	Drainage Area (ACRES)	Storage Required (CF)	Storage Provided (CF)	Wet Required (CF)	Wet Provided (CF)	Dry Required (CF)	Dry Provided (CF)	Wet Depth (FT)	Width (FT)	Length (FT)	Slope Ratio (Z:1)	Bottom Elevation (FT)	Trap Weir Crest Elevation (FT)	Sediment Trap Wet Storage Elevation (FT)	Cleanout Elevation (FT)	Pond Embank Elevation (FT)
1	1.07	3867	4491	1933	2045	1933	2446	1.75	PER PLAN	PER PLAN	3	28	30.67	29.75	28.87	33.75

- NOTES**
1. INSTALL EROSION CONTROL MATTING ON ALL SLOPES 3:1 OR STEEPER.

No.	DATE	DESCRIPTION	BY

MISS UTILITY
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STORMWATER MANAGEMENT DETAILS

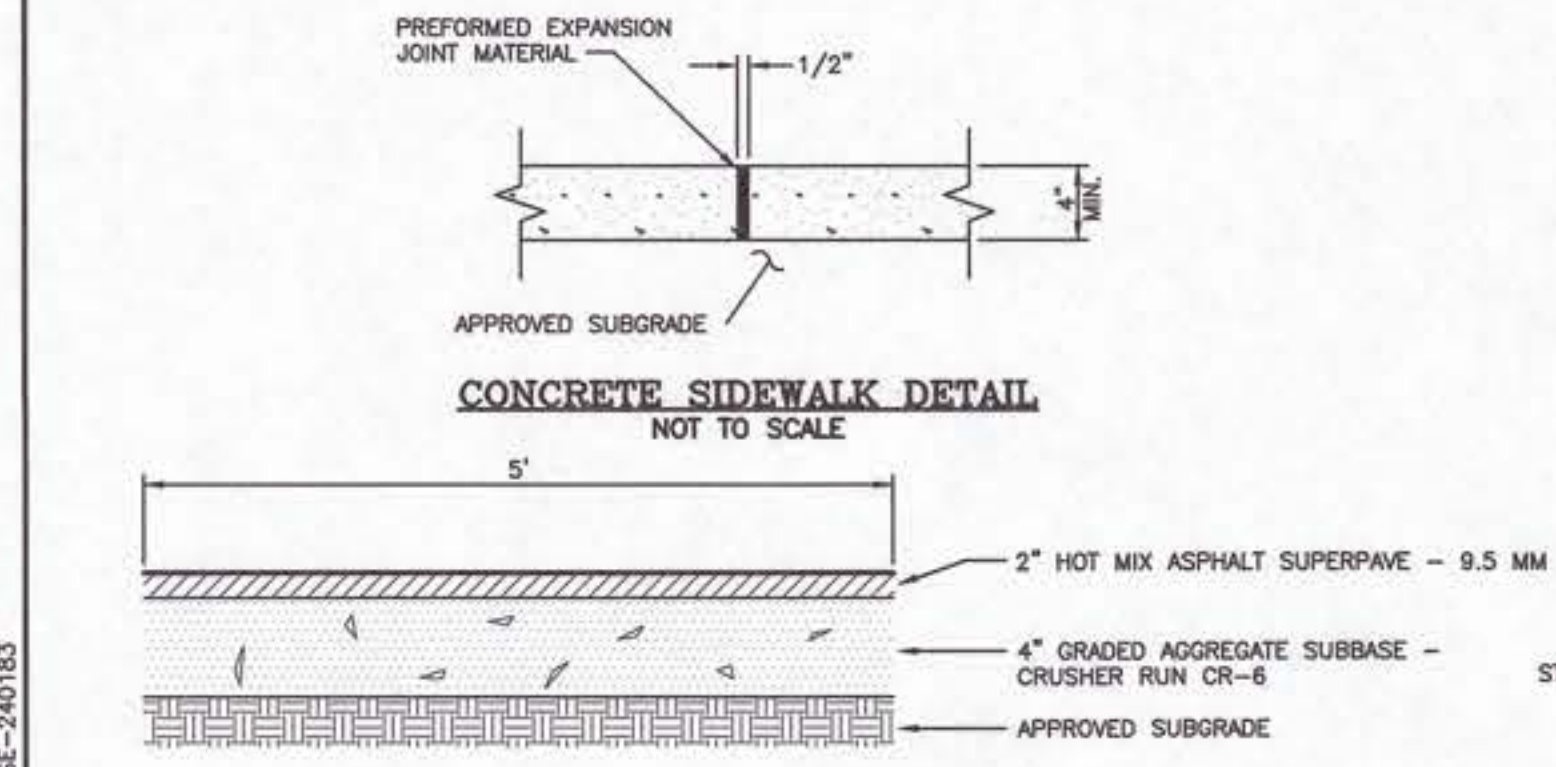
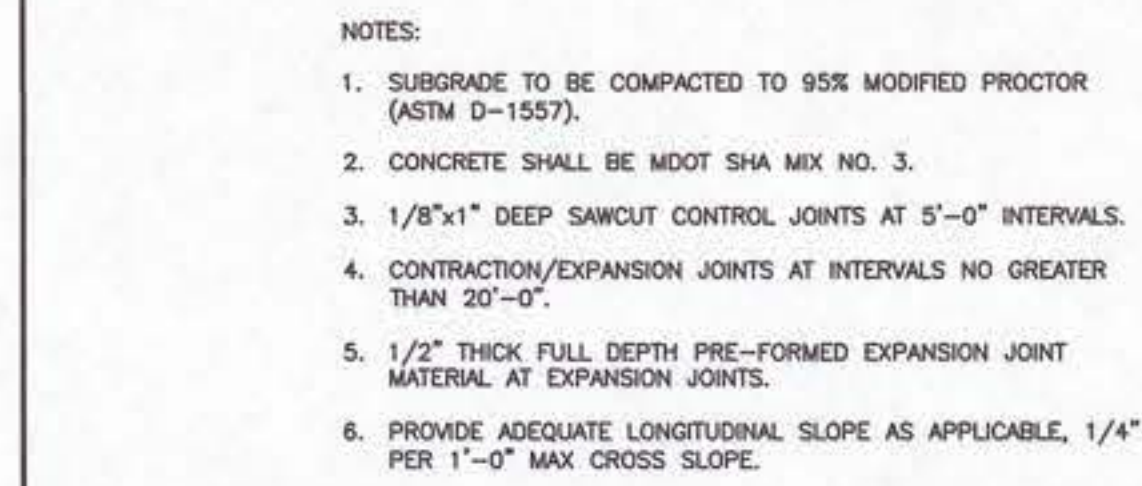
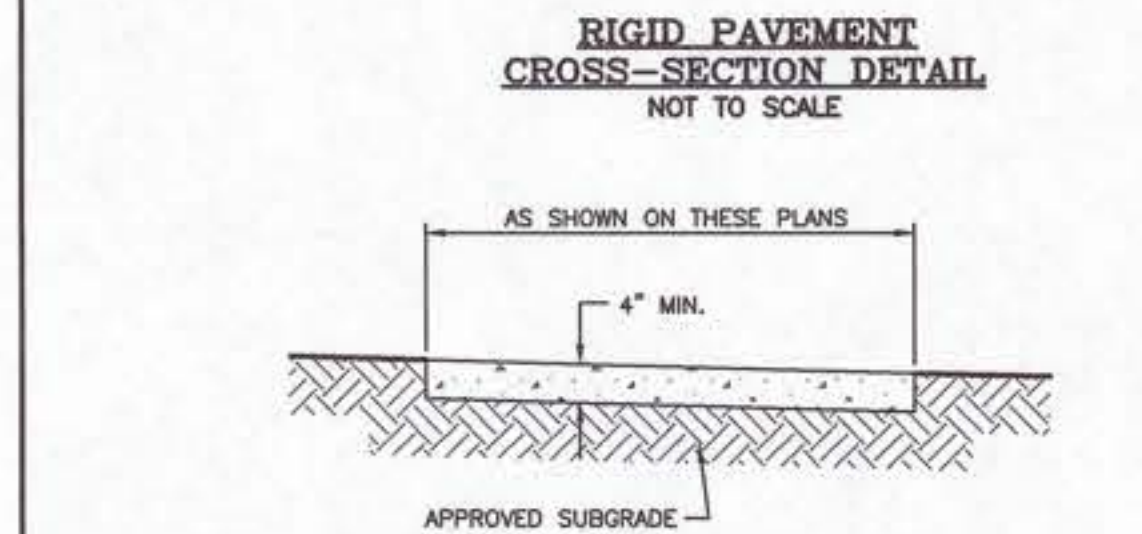
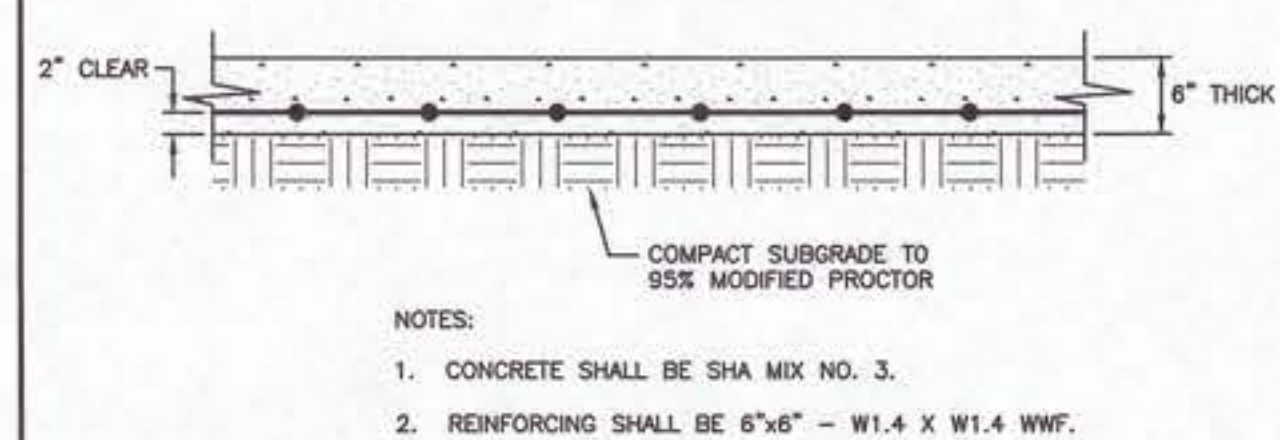
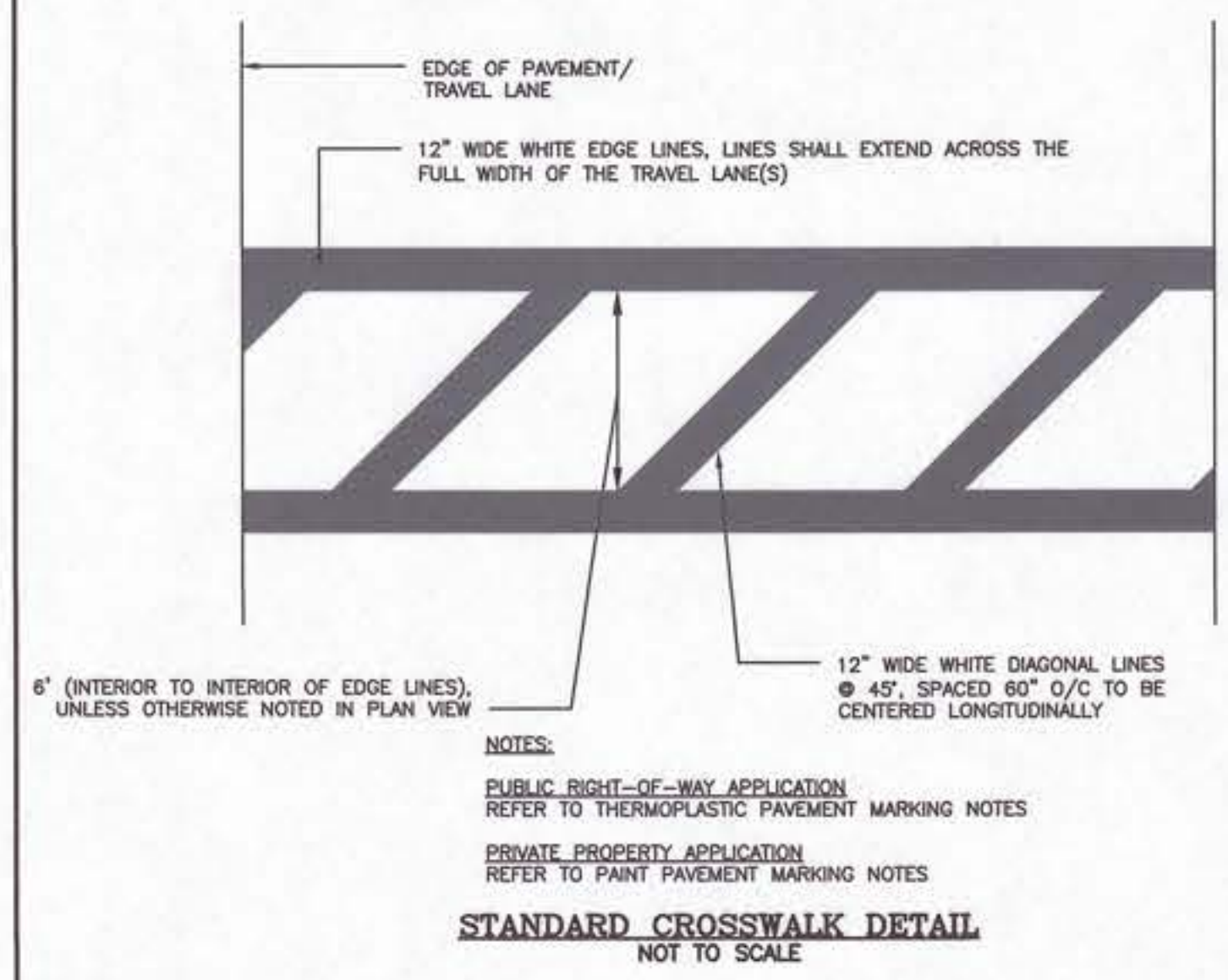
SHARP ROAD PARK SPORTS COMPLEX

IN THE TOWN OF DENTON
CAROLINE COUNTY, MARYLAND
TAX MAP 105 GRID 22 PARCEL 2292

ISSUED/REVISED FOR:	DATE:	BY:
PLANNING COMMISSION SUBMITTAL	12/13/24	TWG
AGENCY SUBMITTAL 01	01/24/25	TWG
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FINAL APPROVAL	06/10/25	TWG

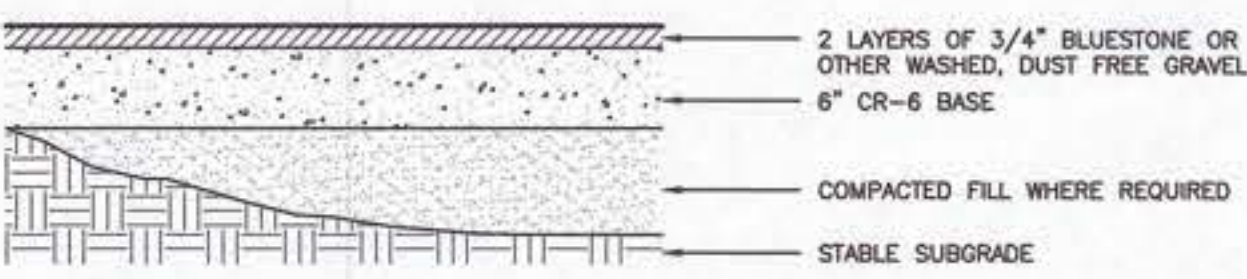
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SCALE: AS NOTED	FILE No. 3057

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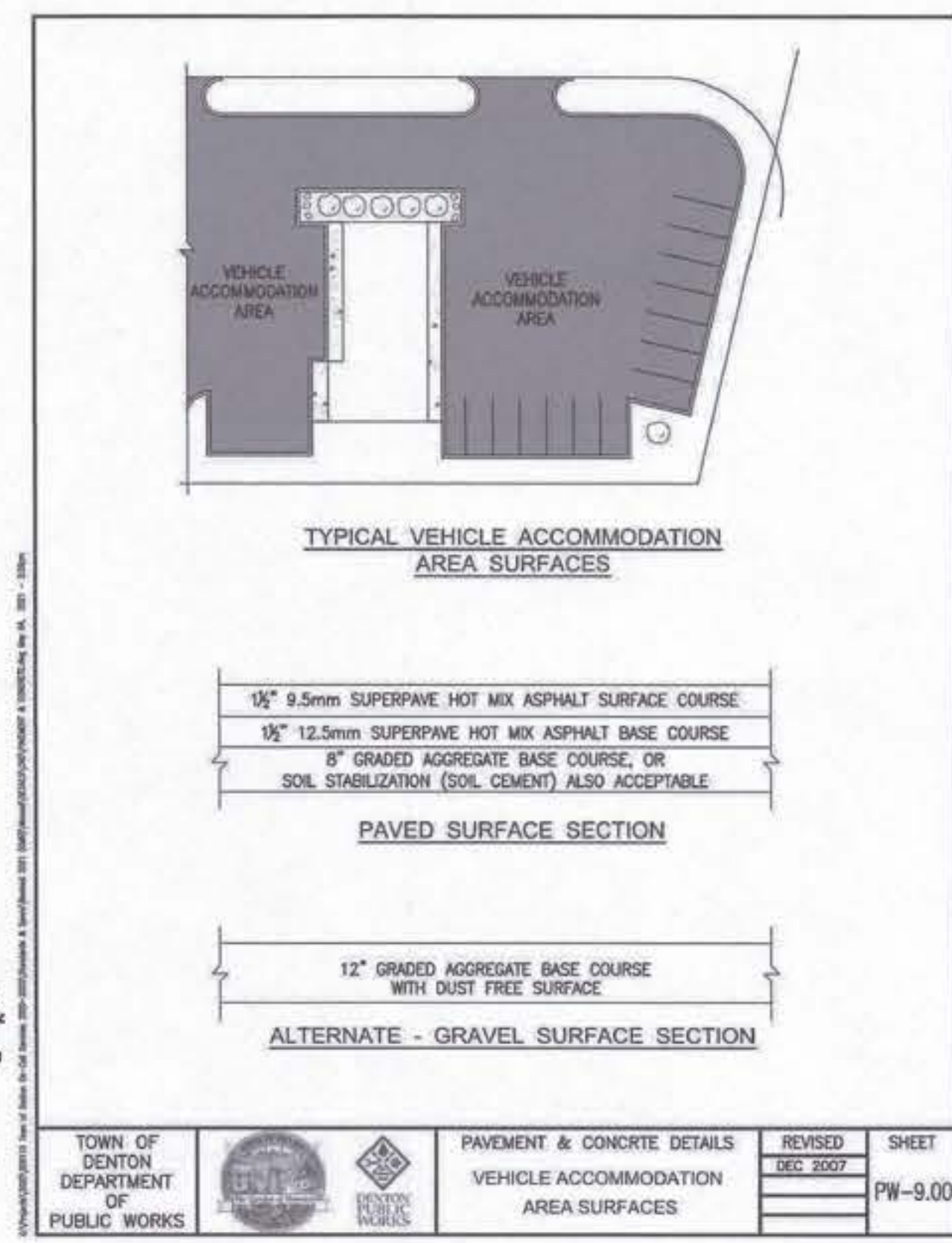
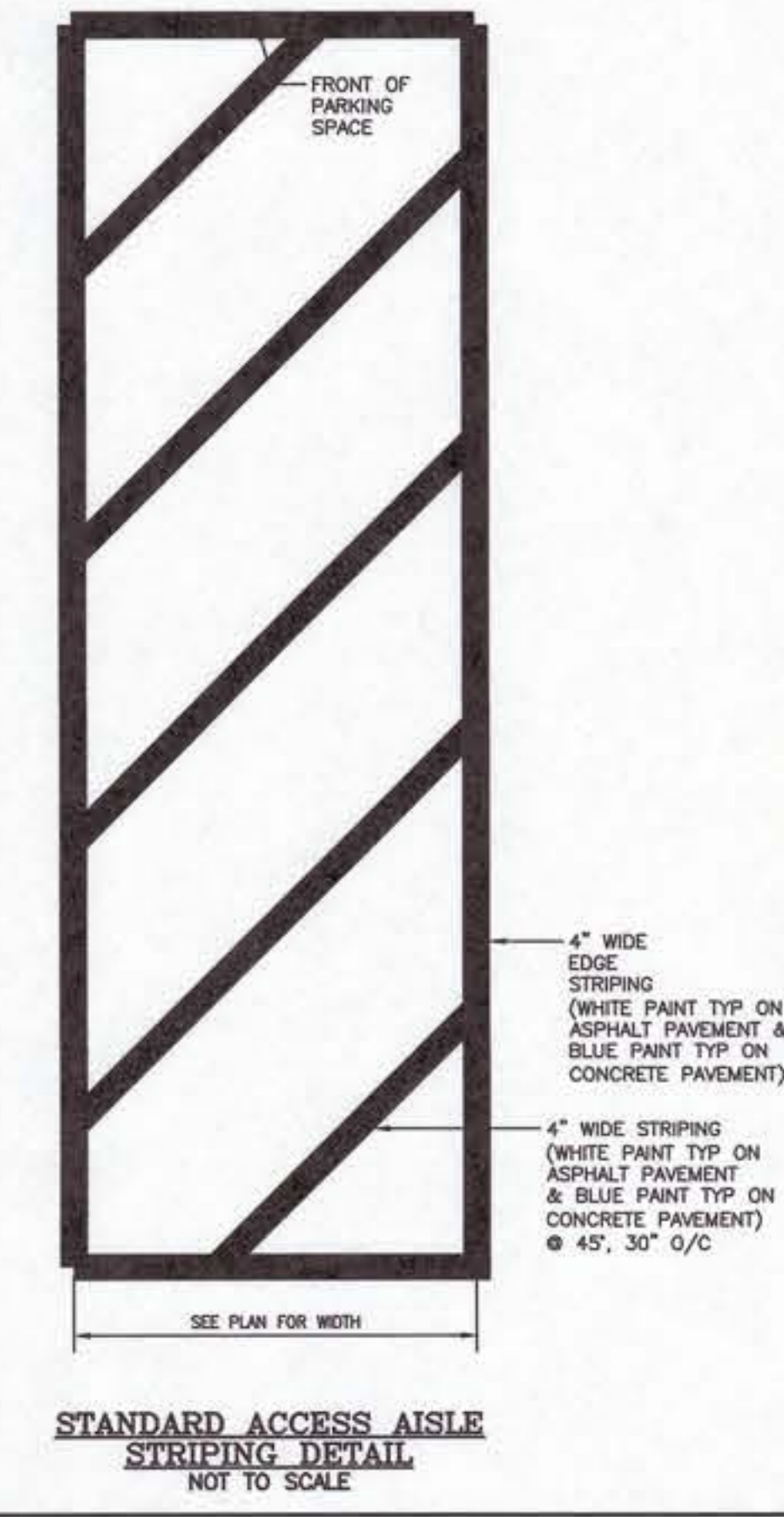
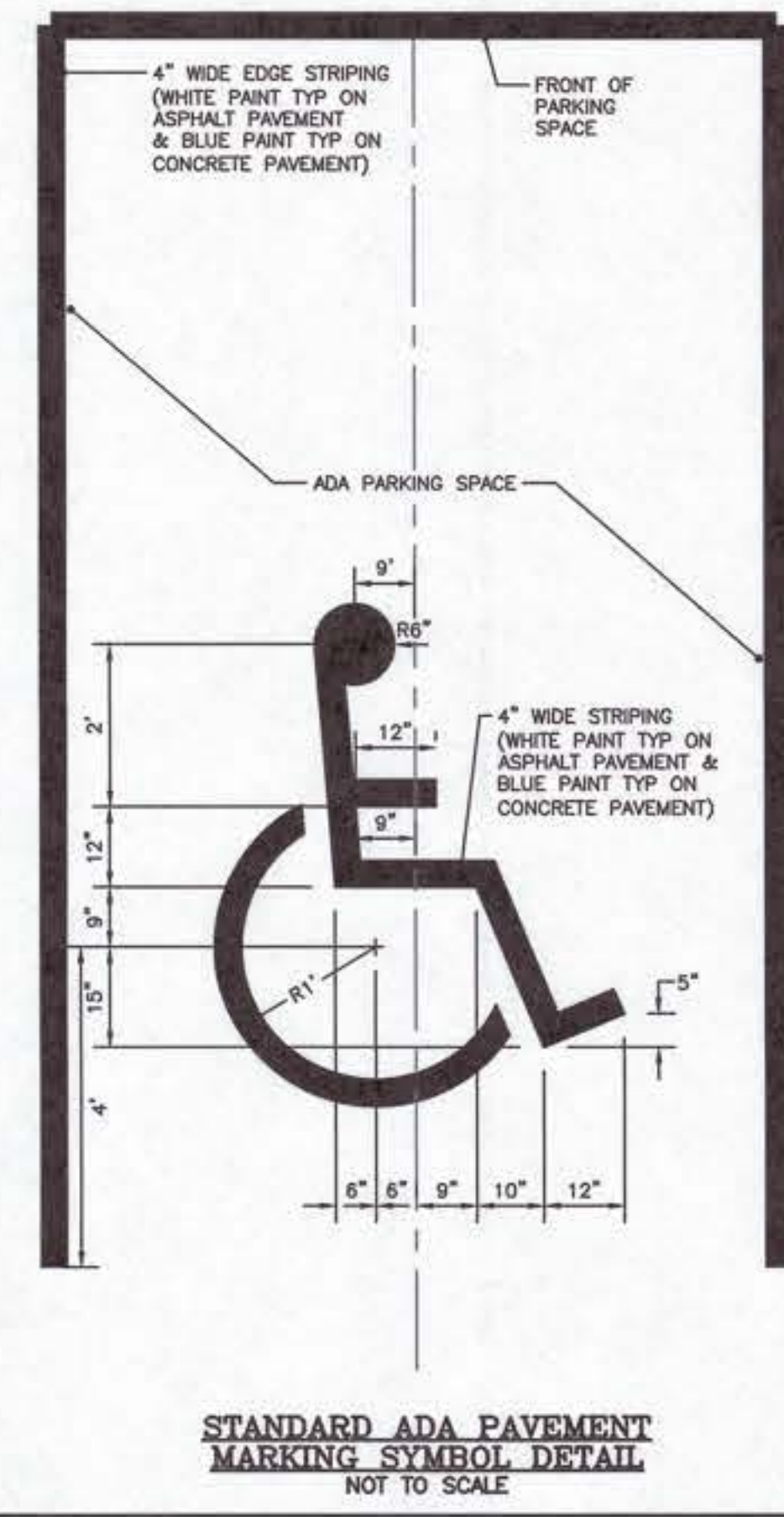
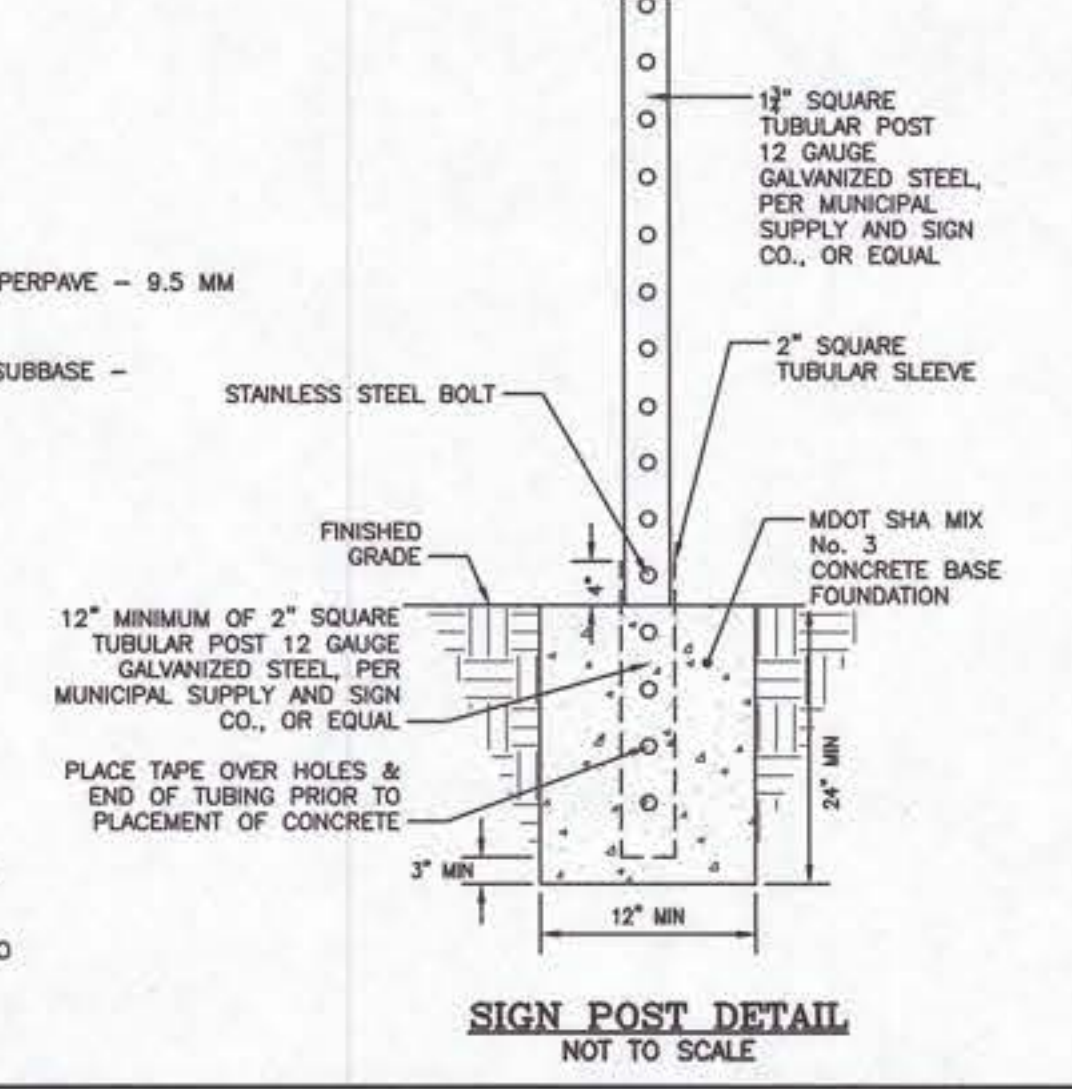
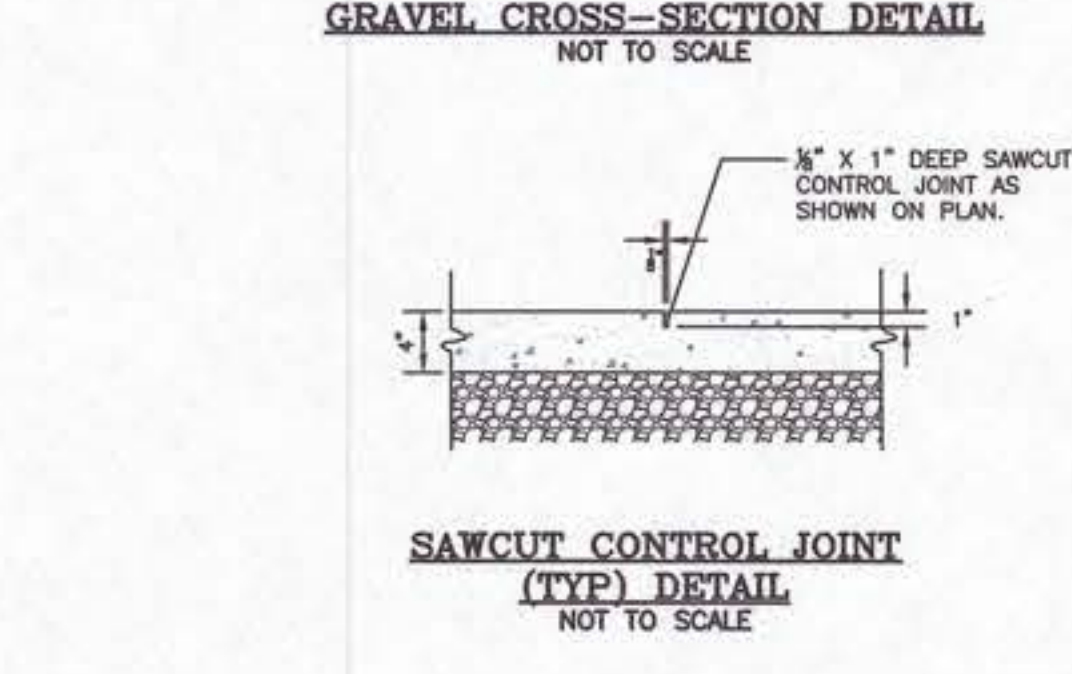


ASPHALT PAVEMENT NOTES:

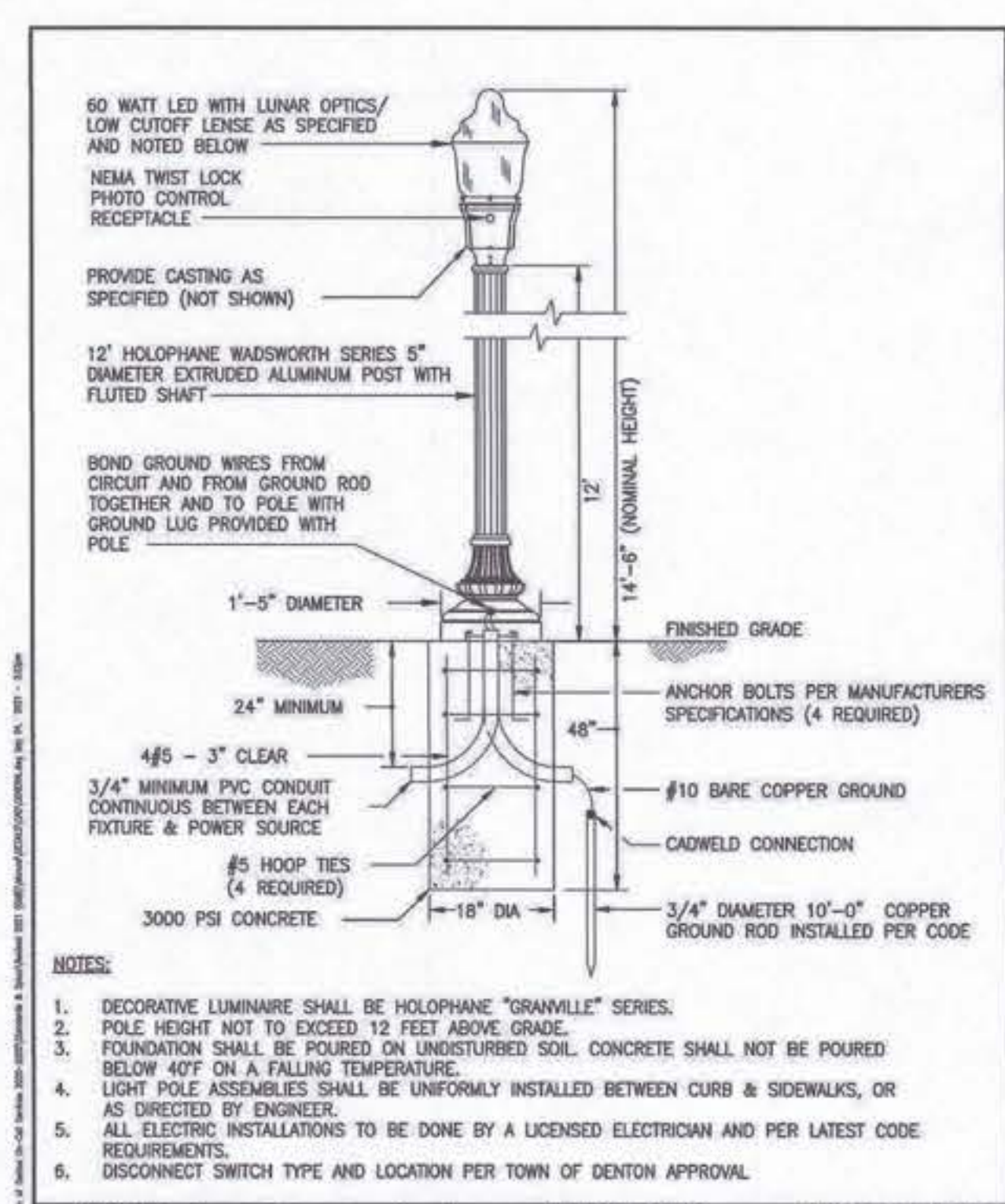
- THE CONTRACTOR SHALL PROVIDE AN APPROVED COMPACTED SUBGRADE PRIOR TO THE PLACEMENT OF ANY FILL MATERIALS.
- THE SUBGRADE SHALL BE UNDERCUT AS NEEDED WITH THE PRIOR APPROVAL OF THE OWNER OR ENGINEER, AND BACKFILLED WITH APPROVED STRUCTURAL FILL.
- THE SUBGRADE IS TO BE INSPECTED AND APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO THE INSTALLATION OF THE AGGREGATE BASE AND THE ASPHALT PAVING MIX.
- ALL FILL MATERIALS SHALL BE PLACED IN LIFTS NO GREATER THAN 8" AND COMPACTED TO 95% MODIFIED PROCTOR (ASTM D-1557 OR ASTM D-2922).



- NOTES:
- THE CONTRACTOR SHALL PROVIDE A STABLE SUB-GRADE PRIOR TO THE PLACEMENT OF ANY FILL MATERIAL.
 - THE SUB-GRADE IS TO BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE INSTALLATION OF THE COMPACTED FILL AND THE CR-6 BASE.
 - THE SUBGRADE SHALL BE UNDERCUT AS NEEDED WITH THE PRIOR APPROVAL OF THE OWNER OR ENGINEER, AND BACKFILLED WITH APPROVED STRUCTURAL FILL.
 - ALL FILL MATERIAL SHALL BE PLACED IN LIFTS NO GREATER THAN 8" AND COMPACTED TO 95% MODIFIED PROCTOR (ASTM D-1557).
 - THE FINAL SURFACE COURSE SHALL NOT BE INSTALLED UNTIL THE COMPLETION OF BUILDING (IF APPLICABLE).
 - THIS GRAVEL SECTION DETAIL PROVIDES A TYPICAL SPECIFICATION IN THE ABSENCE OF A GEOTECHNICAL EVALUATION. DEVELOPER IS ADVISED TO HAVE A QUALIFIED GEOTECHNICAL ENGINEER EVALUATE SITE CONDITIONS AND PROVIDE A RECOMMENDED GRAVEL PAVING SECTION AND SPECIFICATIONS.



TOWN OF DENTON DEPARTMENT OF PUBLIC WORKS	GENERAL DETAILS DECORATIVE STREET LIGHT PEDESTRIAN SCALE HEIGHT	REVISED DEC 2007 APR 2021	SHEET G-200
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TOWN OF DENTON DEPARTMENT OF PUBLIC WORKS	GENERAL DETAILS DECORATIVE STREET LIGHT PEDESTRIAN SCALE HEIGHT	REVISED DEC 2007 APR 2021	SHEET G-200
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REVISIONS TO APPROVED PLANS			
No.	DATE	DESCRIPTION	BY

MISS UTILITY
BEFORE YOU DIG CALL 1-800-441-6333 OR 811
PROTECT YOURSELF, GIVE TWO WORKING DAYS NOTICE

WARNING!
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Lane Engineering, LLC
Established 1988
Civil Engineers • Land Planning • Land Surveyors

E-mail: general@laneinc.com
117 Bay St., Easton, MD 21601 (410) 822-8003
15 Washington St., Cambridge, MD 21613 (410) 221-0818
324 Pennsylvania Ave., Centerville, MD 21817 (410) 758-2095

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. 23152 - Expiration Date: 7/5/2025.

SEAL
STATE OF MARYLAND
REGISTERED PROFESSIONAL ENGINEER
6.10.25
DATE

SITE DETAILS
SHARP ROAD PARK SPORTS COMPLEX
IN THE TOWN OF DENTON
CAROLINE COUNTY, MARYLAND
TAX MAP 105 GRID 22 PARCEL 2292

TOWN OF DENTON DEPARTMENT OF PUBLIC WORKS	PAVEMENT & CONCRETE DETAILS VEHICLE ACCOMMODATION AREA SURFACES	REVISED DEC 2007	SHEET PW-9.00
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SHEET No. C-503	JOB No. 240183
SCALE: AS NOTED	FILE No. 3057

LANDSCAPE ZONING REQUIREMENTS:

- 128-106
B. PARKING FACILITIES WITH MORE THAN 10 PARKING SPACES SHALL COMPLY WITH REQUIREMENTS BELOW:
- INTERIOR LANDSCAPING, FOR SURFACE PARKING FACILITIES, AT LEAST 10% OF THE PARKING FACILITY SHALL BE PERMANENTLY LANDSCAPED.
 - NET PARKING FACILITY PROPOSED DEVELOPMENT = 26,935 SF. ± X 10% = 2,694 SF. MINIMUM REQUIRED LANDSCAPE, 2,733 SF OF PLANTING PROPOSED.
 - PLANTING BEDS, ALL LANDSCAPING SHALL BE CONTAINED IN PLANTING BEDS. EACH PLANTING BED SHALL HAVE A MINIMUM AREA OF 25 SF AND SHALL BE ENCLOSED BY APPROPRIATE CURBING OR SIMILAR DEVICE AT LEAST SIX INCHES WIDE AND SIX INCHES IN HEIGHT ABOVE THE PAVING SURFACE.
 - REQUIRED PARKING LOT LANDSCAPING: 1 TREE/1500 SF OF REQUIRED PARKING AREA. IN ADDITION TO REQUIRED TREES, EACH PLANTING BEDS SHALL CONTAIN APPROPRIATE GROUND COVER OR SHRUBBERY.
 - A. PROPOSED NET PARKING FACILITY EQUALS 26,935 SF
 - 26,935 SF NET PARKING FACILITY/1500 SF = 18 TREES REQUIRED
- THE APPLICANT IS PROVIDING 6 INTERIOR PARKING LOT TREES OF THE 18 REQUIRED. THE APPLICANT IS REQUESTING RELIEF FOR THE 12 REMAINING TREES AND PROPOSING TO PLANT THEM ALONG THE PERIMETER OF THE PARKING FACILITY.

128-147 SHADE TREES IN PARKING AREAS

- B. 20% OF THE VEHICLE ACCOMMODATION AREA WILL BE SHADED.
23,140 SF PARKING AREA X 20% = 4,628 SF SHADING REQUIRED
- 6 INTERIOR PARKING LOT TREES @ 707 SF (15' RADIUS) = 4,242 SF CREDIT PROVIDED
3 PERIMETER PARKING LOT TREES WITH OVERLAPPING 15' RADIUS DRUPLINE = 423 SF CREDIT PROVIDED
- TOTAL VEHICLE ACCOMMODATION AREA TO BE SHADED = 4,665 SF PROVIDED

128-148 BUFFERYARDS

- C.(1) BUFFERYARDS BETWEEN ADJACENT DISTRICTS:
- NORTHERN BUFFERYARD; ADJACENT PROPERTY IS MAPPED SR (SUBURBAN RESIDENTIAL). THERE IS AN EXISTING FORESTED AREA ALONG THE PROPERTY LINE. NO ADDITIONAL PLANTING IS REQUIRED.
- SOUTHERN BUFFERYARD; ADJACENT PROPERTY HAS THE SAME ZONING, NO BUFFERYARD REQUIRED
- EASTERN BUFFERYARD; ADJACENT PROPERTY IS MAPPED RHC (REGIONAL HIGHWAY COMMERCIAL). BUFFERYARD 'D' IS REQUIRED. RESPONSE: THE PROPOSED RECREATIONAL USE OF THE PROPERTY HAS NO ADVERSE EFFECT ON THE ADJACENT COMMERCIAL PARCELS, THEREFORE NO BUFFERYARD PLANTING IS PROPOSED.
- WESTERN BUFFERYARD; ADJACENT PROPERTY IS MAPPED SR (SUBURBAN RESIDENTIAL). THERE IS AN EXISTING FORESTED AREA ALONG THE PROPERTY LINE. NO ADDITIONAL PLANTING IS REQUIRED.

FOREST CONSERVATION REQUIREMENTS:

FOREST CONSERVATION AND AFFORESTATION REQUIREMENTS HAVE BEEN SATISFIED FOR THE ENTIRE PARCEL. DURING THE SUBDIVISION PROCESS OF THIS DEVELOPMENT PROPOSAL, NO FUTURE FOREST CONSERVATION IS REQUIRED FOR THE DEVELOPMENT ON THIS PARCEL.

GENERAL REQUIREMENTS

COMPLIANCE WITH THE TERMS OF THIS LANDSCAPE PLAN, INCLUDING ALL MAINTENANCE AND WARRANTY REQUIREMENTS PRESCRIBED HEREON IS THE RESPONSIBILITY OF THE OWNER/DEVELOPER. MAINTENANCE AND WARRANTY TERMS AND RESPONSIBILITIES OF THE CONTRACTOR SHALL BE AS NEGOTIATED BETWEEN OWNER/DEVELOPER AND CONTRACTOR.

THE CONTRACTOR SHALL DILIGENTLY ATTEMPT TO LOCATE THE SPECIFIED PLANT MATERIAL. IF SPECIFIED PLANT MATERIALS CANNOT BE LOCATED, ALTERNATIVES MAY BE CONSIDERED AND APPROVED, IN ADVANCE, BY THE LANDSCAPE ARCHITECT.

PRIOR TO LANDSCAPE INSTALLATION, THE CONTRACTOR SHALL COORDINATE A SITE MEETING WITH THE LANDSCAPE ARCHITECT TO REVIEW THE PLAN, SITE AND DRAINAGE CONDITIONS AND TO DETERMINE ANY FIELD ADJUSTMENTS NECESSARY.

THE LANDSCAPE ARCHITECT SHALL REJECT ANY AND ALL PLANT MATERIAL THAT DOES NOT MEET SPEC, IS DISEASED OR IS OTHERWISE UNHEALTHY.

LANDSCAPE PLANT MATERIAL AND INSTALLATION SPECIFICATIONS

GENERAL: ALL LANDSCAPE INSTALLATION SHALL BE ACCOMPLISHED WITH QUALIFIED PERSONNEL, UTILIZING INDUSTRY STANDARD PRACTICES AND TECHNIQUES.

THE CONTRACTOR (CONTRACTOR) IS RESPONSIBLE FOR THE COMPLETE INSTALLATION OF ALL LANDSCAPING SHOWN OR IMPLIED ON THIS PLAN. PLANT QUANTITIES ARE SHOWN FOR CONVENIENCE ONLY. PRIOR TO INSTALLATION THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IF PROPOSED SPECIES AND/OR SITE PLANTING CONDITIONS WARRANT RE-DESIGN CONSIDERATIONS.

PLANT MATERIAL: ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK AS APPROVED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE, INC. LATEST EDITION. ALL PLANT MATERIAL SHALL BE NURSERY GROWN WITH SOUND HORTICULTURAL PRACTICES AND UNLESS OTHERWISE APPROVED BY THE LANDSCAPE ARCHITECT, GROWN IN SOIL AND CLIMATIC CONDITIONS SIMILAR TO THIS PROJECT SITE. ALL MATERIAL SHALL EXHIBIT HEALTHY GROWTH WITH GOOD BRANCHING STRUCTURE, DENSE FOLIAGE, AND A FIBROUS, DEVELOPED ROOT SYSTEM. ALL MATERIAL SHALL BE FREE OF INSECT INFESTATION AND DISEASE. THE OWNER RESERVES THE RIGHT TO HAVE THE PLANT MATERIAL INSPECTED AND TAGGED AT THE GROWING SITE, AND TO REJECT ANY DEFICIENT MATERIAL AT THE JOB SITE.

PLANT MATERIAL HANDLING: ALL PLANT MATERIAL SHALL ARRIVE AT THE JOB SITE IN A HEALTHY CONDITION. CRACKED ROOT BALLS AND OTHER DAMAGED MATERIALS SHALL BE REJECTED AND REPLACED BY CONTRACTOR. THE CONTRACTOR SHALL STAGE DELIVERY AND PLANT INSTALLATION TO MINIMIZE STRESS ON PLANT MATERIAL. MATERIAL TO BE STAGED ON OR OFF THE JOB SITE SHALL BE LOCATED TO MAXIMIZE PROTECTION FROM HOT SUN AND DRYING WINDS, AND SHALL BE WATERED TO MAINTAIN A STRESS FREE CONDITION. ON-SITE WATER MAY NOT BE AVAILABLE FOR CONTRACTOR USE. THE LACK OF AVAILABLE WATER SHALL NOT RELIEVE THE CONTRACTOR OF ADEQUATE MAINTENANCE.

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING WORK. COORDINATE WITH OTHER CONTRACTORS ON SITE AND MISS UTILITY TO VERIFY UTILITY LOCATIONS. ANY REPAIRS TO EXISTING UNDERGROUND UTILITIES REQUIRED AS A RESULT OF ACTIONS OF THE CONTRACTOR AND/OR HIS ASSIGNS SHALL BE BORNE BY CONTRACTOR.

CONTRACTOR SHALL VERIFY THAT FINAL ROUGH GRADES HAVE BEEN ESTABLISHED AND THAT THE SITE IS READY FOR LANDSCAPE INSTALLATION. THE CONTRACTOR SHALL INSURE THAT PLANTINGS WILL HAVE THAT ADEQUATE DRAINAGE. THE CONTRACTOR SHALL INSTALL PLANT MATERIAL FACTORING IN ANY FINAL GRADING WORK TO BE COMPLETED AFTER LANDSCAPE INSTALLATION.

PLANTING SCHEDULE: PLANTING SCHEDULES SHALL COINCIDE WITH THE OVERALL PROGRESS OF SITE CONSTRUCTION. CERTAIN PLANT SPECIES REQUIRE SPECIFIC SEASON INSTALLATION AND SHALL BE COORDINATED APPROPRIATELY. PLANTING IS DISCOURAGED IN THE HOT, DRY PERIODS OF SUMMER AND DURING FROZEN GROUND CONDITIONS OF WINTER, BUT MAY BE CONSIDERED YEAR-ROUND WITH MAINTENANCE REQUIREMENTS ADDRESSED ACCORDINGLY. THE CONTRACTOR IS RESPONSIBLE FOR PLANT MATERIAL HEALTH AND VIGOR REGARDLESS OF WHEN THE MATERIAL IS INSTALLED. RECOMMENDED PLANTING TIMEFRAMES:

- BALL & BURLAP STOCK - OCTOBER 15 THRU APRIL 15.
- CONTAINER STOCK - YEAR-ROUND WITH ADEQUATE WATER.
- BARE -ROOT TREES/SHRUBS - NOVEMBER 15 THRU APRIL 15.
- TURF - SEED AUGUST 15 THRU NOVEMBER 1, MARCH 1 THRU APRIL 15.
- TURF - SOD INSTALLATION OCTOBER 15 THRU MARCH 15, BALANCE OF YEAR WITH ADEQUATE IRRIGATION.

PLANTING BED/PIT PREPARATION: CONTRACTOR SHALL LAYOUT BEDS AND POSITION PLANTS FOR APPROVAL BY LANDSCAPE ARCHITECT. REVIEW ANY SIGNIFICANT FIELD ADJUSTMENTS PRIOR TO INSTALLATION. ALL BED AREAS SHALL BE TREATED WITH HERBICIDE TO KILL WEED OR GRASS VEGETATION.

ALL TREE PITS AND INDIVIDUAL SHRUB PLANTING PITS SHALL BE EXCAVATED TO A DEPTH SO THAT THE PLANT ROOT FLARE SHALL LIE AT THE FINISHED GRADE SURROUNDING THE PLANT OR PLANTINGS. REMOVE SOIL THAT MAY HAVE BEEN PLACED ON TOP OF ROOT BALL OR SETTLED AROUND TRUNK OR ROOT FLARE DURING TRANSPORT TO ADEQUATELY EXPOSE ROOT FLARE SO PROPER PLANTING DEPTH CAN BE ESTABLISHED. THE ROOT BALL SHALL REST ON UNDISTURBED OR STABILIZED SOIL. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IF THIS PLANTING DEPTH SPECIFICATION CANNOT BE IMPLEMENTED. TREE PLANTING PITS SHALL BE EXCAVATED TO A WIDTH EQUALING TWICE THE ROOT BALL DIAMETER. TREE PITS ON SLOPED AREAS SHALL BE EXCAVATED TO THE PROPER DEPTH BASED ON THE UPHILL SIDE OF THE SLOPE. SHRUB/PERENNIAL AND MASS PLANTING BEDS SHALL BE WORKED OR EXCAVATED TO THE DEPTH OF THE ROOT BALL PROVIDING FOR THE ROOT BALL TO REST ON UNDISTURBED SOIL. EXCAVATED SOILS NOT PREVIOUSLY COMPACTED OR OTHERWISE DEGRADED SHALL BE REUSED FOR PLANTING PIT BACKFILL. EXCAVATED SOILS UNSUITED FOR BACKFILL SHALL BE AMENDED WITH FRABLE TOPSOIL TO CREATE A SUITABLE PLANTING SOIL AS APPROVED BY THE LANDSCAPE ARCHITECT. EXCAVATED SOILS THAT CANNOT BE RESTORED TO A REASONABLE PLANTING SOIL SHALL BE REMOVED AND REPLACED WITH A FRABLE, TOPSOIL/SUB SOIL PLANTING MIX TYPICAL OF THE REGION. NOTE - FOR BIDDING PURPOSES OR UNLESS OTHERWISE SPECIFIED HEREON, THE CONTRACTOR SHALL ASSUME EXCAVATED SOILS ARE SUITABLE FOR PLANTING BACKFILL.

PLANTING BEDS FOR AZALEAS, RHODODENDRONS, YEW AND OTHER MOISTURE SENSITIVE PLANT MATERIAL SHALL BE MOUNDING AND AMENDED WITH SAND, PEAT OR COMPOST AS NECESSARY TO SUITABLE PLANTING SOIL AND DRAINAGE.

UNLESS SPECIFICALLY INTENDED AS PART OF STORM WATER MANAGEMENT DESIGN, ALL PLANTING BEDS ADJACENT TO PAVED AREAS SHALL BE MOUNDING SO THAT PAVING RUNOFF DOES NOT DIRECTLY DUMP OR SHEET FLOW INTO PLANTING AREAS. PROVIDE BREAKS IN THE MULCH WHERE CONTINUOUS PLANTING BEDS MAY IMPEDE DRAINAGE PATTERNS.

TURF AREAS SHALL RECEIVE 4" MINIMUM TOPSOIL STOCKPILED FROM SITE, OR IF UNAVAILABLE, SUPPLIED FROM LOCAL SOURCES WITH SIMILAR CHARACTERISTICS TO THE NATIVE TOPSOIL OF THE SITE. ALL LAWN AREAS SHALL BE WORKED TO A DEPTH OF 4".

CONTRACTOR SHALL COORDINATE IRRIGATION INSTALLATION (IF APPLICABLE TO THIS PROJECT) TO INSURE THAT PRELIMINARY IRRIGATION WORK IS COMPLETED OR COORDINATED WITH PLANTING EFFORTS.

PLANT INSTALLATION: REMOVE BURLAP AND OTHER ROOT BALL COVERING TO THE EXTENT POSSIBLE- AT A MINIMUM THE UPPER 1/2 OF ROOT BALL WRAP SHALL BE REMOVED, CUT AND REMOVE AT LEAST THE TOP 1/3 OF WIRE BASKETS AND ALL ROOT BALL BINDINGS, STRING TIES, STRAPPING, LABELS, ETC. FROM THE PLANT MATERIAL. CUT OR SCARIFY THE SIDES OF CONTAINER GROWN STOCK TO ELIMINATE BOUND ROOTS AND PROMOTE HEALTHY ROOT GROWTH.

PLANTS SHALL BE INSTALLED VERTICALLY AND PLUMB. PLANT PITS SHALL BE BACKFILLED AND COMPACTED. ALL PLANTS SHALL BE WATERED DURING PLANTING TO MINIMIZE AIR POCKETS AND TO INSURE SOIL CONTACT WITH ROOTS. LET PLANT PITS SETTLE, AND ADD SOIL TO FILL VOIDS PRIOR TO MULCHING. WHERE PLANTINGS ARE NOT IRRIGATED, UTILIZE EXCAVATED SOIL TO FORM A WATERING COLLAR AROUND THE TREE OR SHRUB AT THE PERIMETER OF THE ROOT BALL. FEATHER SOIL GRADES AROUND PLANTINGS TO BLEND WITH SURROUNDING LANDSCAPE OR TURF AREAS. EXCESS EXCAVATED SOIL SHALL BE REMOVED FROM JOB SITE.

DECIDUOUS TREES OVER 2" CALIPER AND EVERGREEN TREES OVER 7' HEIGHT (UNLESS OTHERWISE HAWED BY THE LANDSCAPE ARCHITECT), SHALL BE STAKED AND GUYED WITH MINIMUM 2" X 2" X 6' HARDWOOD STAKES PLACED IN STABLE SOILS. GUY TREES TO STAKES WITH PROTECTIVE MATERIALS TYPICALLY UTILIZED IN THE INDUSTRY.

ALL PLANTING BEDS AND PITS NOT OTHERWISE CONTAINED WITH HARD EDGING SHALL BE EDGED WITH A 3" DEEP "Y" TRENCH. ALL PLANTS AND BEDS, UNLESS OTHERWISE NOTED HEREON SHALL BE MULCHED TO A 2" DEPTH WITH DOUBLE SHREDDED, HARDWOOD BARK MULCH. MULCH SHALL GENERALLY EXTEND TO THE EDGE OF PAVING OR BUILDINGS, OR BACK OF CURB. IN OPEN AREAS ADJACENT TO TURF OR NATURALIZED AREAS, MULCH SHALL EXTEND A MINIMUM OF 2.5' BEYOND THE TRUNK FOR TREES AND 1.0' BEYOND THE EDGE OF SHRUB FOLIAGE UNLESS OTHERWISE SPECIFICALLY DIRECTED HEREON. SHAPE THE MULCH-BED EDGE CONDUCTIVE TO EASE OF MOWING OR MAINTENANCE OF THE ADJOINING AREA. DO NOT PLACE OR MOUND MULCH AGAINST THE TRUNK OR FOLIAGE OF PLANTS.

THE CONTRACTOR SHALL MAINTAIN A CLEAN JOB SITE AND REMOVE ALL PLANTING AND SUPPLY DEBRIS DAILY DURING THE COURSE OF IMPLEMENTATION.

TREE-WATERING DEVICES: TREE GATOR BAGS REQUIRED ON ALL TREES UNLESS IRRIGATION OTHERWISE PROVIDED.

MAINTENANCE

DURING CONSTRUCTION PERIOD: THE CONTRACTOR SHALL MAINTAIN ALL PLANT MATERIAL THROUGH JOB COMPLETION AND FINAL ACCEPTANCE. ALL PLANT MATERIAL SHALL BE WATERED, WEEDED, MULCHED, PRUNED AND TREATED FOR INSECT DAMAGE, FUNGUS OR DISEASE TO INSURE HEALTHY GROWING CONDITIONS. WATERING SHALL PROVIDE ADEQUATE MOISTURE TO SUPPORT VIGOROUS GROWTH. TYPICALLY, ALL TREES SHOULD RECEIVE 1", OR APPROXIMATELY 5 - 10 GALLONS OF WATER PER WEEK. PLANTS IN HEAVIER SOILS SHALL BE MONITORED TO AVOID OVER-WATERING. GATOR BAGS, WATERING TRAYS, IRRIGATION, HAND WATERING, OR OTHER INDUSTRY STANDARD TECHNIQUES SHALL BE EMPLOYED TO MAINTAIN ADEQUATE MOISTURE SUPPLY TO THE PLANT MATERIAL. INSTRUCT OWNER REGARDING REQUIRED AND PROPER ON-GOING MAINTENANCE OF LANDSCAPE INSTALLATION.

DURING WARRANTY PERIOD: THE CONTRACTOR SHALL VISIT THE SITE PERIODICALLY TO ADVISE OWNER OF ANY DEFICIENT CONDITIONS AFFECTING PLANT SURVIVABILITY. ADJUST STAKING AND GUYING PERIODICALLY AND REMOVE AFTER FIRST FULL GROWING SEASON, OR SOONER IF PLANT IS STABLE. REPLACE DEAD OR DYING PLANT MATERIAL.

LANDSCAPE WARRANTIES

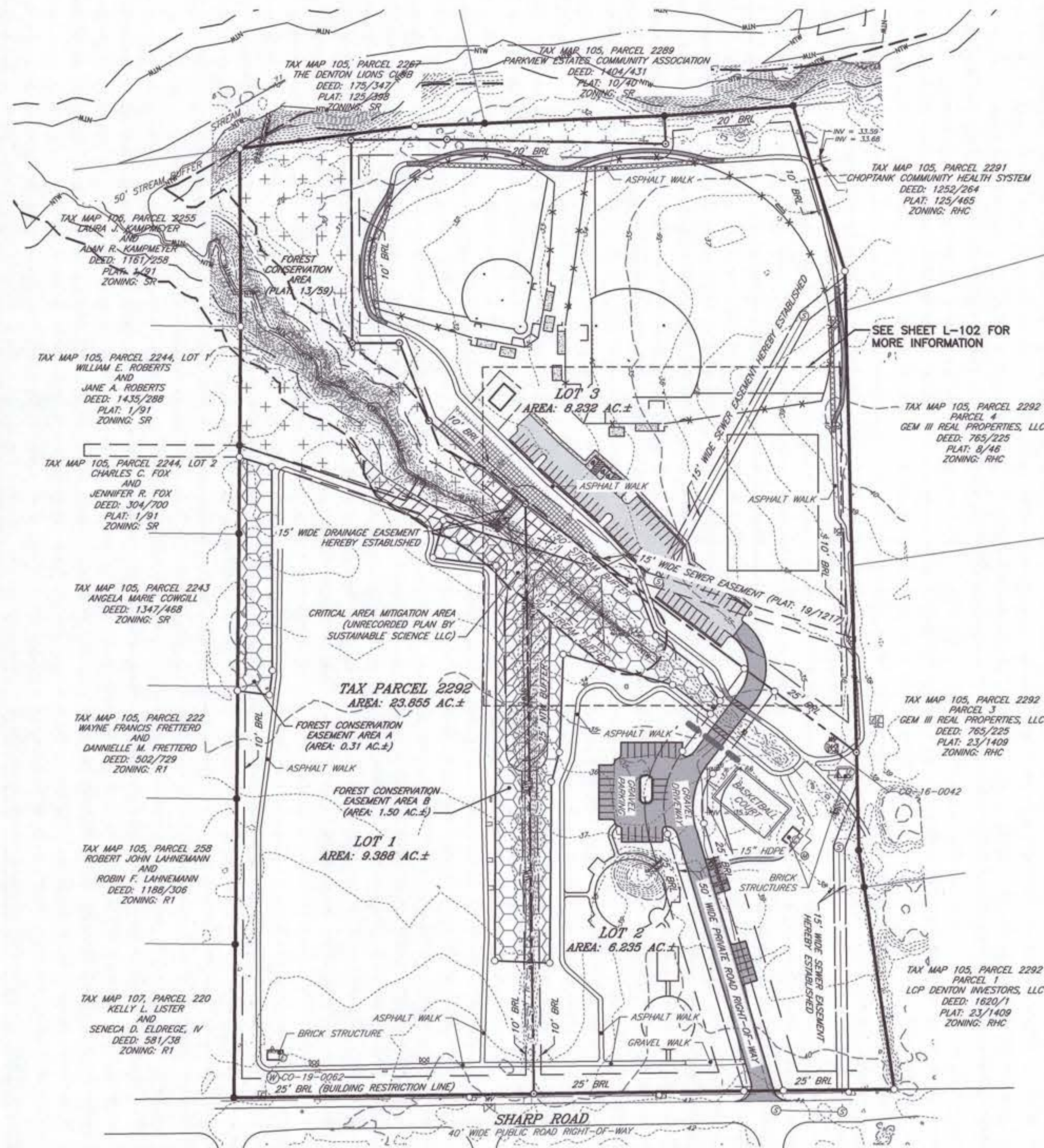
THE OWNER/DEVELOPER SHALL WARRANT ALL LANDSCAPE INSTALLATIONS TWO (2) YEARS FROM DATE OF NOTICE OF SUBSTANTIAL COMPLETION. UNLESS OTHERWISE SPECIFIED IN AN AGREEMENT WITH THE OWNER, THE CONTRACTOR SHALL WARRANT ALL INSTALLATION FOR ONE (1) YEAR FROM THE DATE OF NOTICE OF SUBSTANTIAL COMPLETION. DURING THE WARRANTY PERIOD, DEFICIENT PLANT MATERIALS SHALL BE REPLACED AS SOON AS POSSIBLE AND WARRANTED THROUGH THE REMAINDER OF THE WARRANTY PERIOD. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR WARRANTING THE WORK AGAINST LACK OF OWNER MAINTENANCE AFTER CONTRACTORS MAINTENANCE RESPONSIBILITIES END, OR FROM VANDALISM, EXTREME HURRICANE/FLOODING EVENTS OR OTHER EXTREME EVENTS BEYOND THE NORMAL, PRACTICAL AND REASONABLE CONTROL OF THE CONTRACTOR. THE CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR A ONE (1) TIME REPLACEMENT OF DEAD OR DEFICIENT PLANT MATERIAL.

PLANT LIST - TOTAL

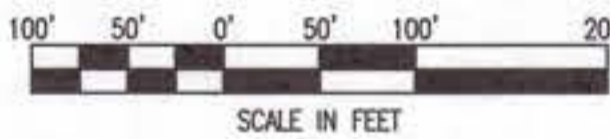
CANOPY TREES			
BN	2	BETULA NIGRA 'DURA-HEAT'	DURA-HEAT RIVER MULTI-STEM 10-12' HGT.
GD	2	GYMNOCLADUS DIOICUS 'ESPRESSO'	KENTUCKY COFFEE TREE 2" CAL. MIN
GT	6	GLEDITSIA TRIACANTHOS VAR. INERMIS 'SHADEMASTER'	SHADEMASTER HONEYLOCUST 2" CAL. MIN
PA	3	PLATANUS X ACERIFOLIA 'BLOODGOOD'	BLOODGOOD LONDON PLANE TREE 2" CAL. MIN
UA	5	ULMUS AMERICANA 'JEFFERSON'	JEFFERSON ELM 2" CAL. MIN
SHRUBS			
AM	19	ARONIA MELANOCARPA 'MORTON'	IROQUOIS BEAUTY 18" HGT, MIN. 5' O/C
WPB	16	ILEX VERTICILLATA 'FARROWBPOP'	BLACK CHOKEBERRY BERRY POPPINS WINTERBERRY HOLLY 18" HGT, MIN. 4' O/C
WVP	9	ILEX VERTICILLATA 'FARROWVMP'	MR. POPPINS WINTERBERRY HOLLY 18" HGT, MIN. 4' O/C
JV	10	JUNIPERUS VIGINANA 'GREY OWL'	GREY OWL JUNIPER 18" SPREAD, MIN. 4' O/C
HERBACEOUS PERENNIAL PLANTING			
CV	91	CORCOPIS VERTICILLATA 'MOONBEAM'	MOONBEAM TICKSEED QUART, 2' O/C
MC	102	MUHLENBERGIA CAPILLARIS 'WHITE CLOUD'	WHITE CLOUD MUHLY GRASS QUART, 2' O/C
RA	92	RHUS AROMATICA 'GRO-LOW'	FRAGRANT SUMAC QUART, 3' O/C
MICRO-BIORETENTION AREA			
AS	42	ASCLEPIAS SYRACA	COMMON MILKWEED QUART, 2' O/C
AT	42	ASCLEPIAS TUBEROSA	BUTTERFLY MILKWEED QUART, 2' O/C
CS	81	CAREX STRICTA	TUSSOCK SEDGE QUART, 2' O/C
CV	81	CAREX VULPINOIDEA	FOX SEDGE QUART, 2' O/C
CL	81	CHASMANTHIUM LATIFOLIUM	NORTHERN SEA OATS QUART, 2' O/C
EC	42	EUPATORIUM COELESTINUM	MISTFLOWER QUART, 2' O/C
JE	81	JUNCUS EFFUSUS	SOFT RUSH QUART, 2' O/C
LS	42	LIATRIS SPICATA	SPIKE GAY-FEATHER QUART, 2' O/C
PV	81	PANICUM VIRGATUM	SWITCH GRASS QUART, 2' O/C
RH	42	RUBICECKIA HIRTA	CONEFLOWER QUART, 2' O/C
SS	81	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM QUART, 2' O/C

TURF

ALL AREAS NOT OTHERWISE DEVELOPED; LANDSCAPED OR MULCHED SHALL BE GRESSED. THESE AREAS SHALL BE LIMED AT 1000#/ACRE, AND SEEDED (8#/1000) OR SOODED WITH A TURF TYPE FESCUE BLEND CONTAINING 10% PERENNIAL RYE GRASS. FERTILIZE ALL PLANTED AREAS WITH A TURF STARTER FERTILIZER IN ACCORDANCE WITH STATE OF MARYLAND AND LOCAL REQUIREMENTS REGULATING FERTILIZER APPLICATIONS. ALL AREAS SHOWN TO BE "SOD" SHALL BE SOODED; OTHER AREAS NOT SPECIFICALLY SPECIFIED SHALL BE BID AS "SEEDING" WITH AN ADD-ALTERNATE UNIT PRICE FOR SOD INCLUDED IN THE BID.



CONTEXT PLAN
SCALE: 1" = 100'



M.D. 83 (2017) MD COORDINATE SYSTEM

REVISIONS TO APPROVED PLANS

No.	DATE	DESCRIPTION	BY

MISS UTILITY
BEFORE YOU DIG CALL 1-800-441-8355 OR 811 PROTECT YOURSELF, GIVE TWO WORKING DAYS NOTICE

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Lane Engineering, LLC
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117 Bay St., Easton, MD 21601 (410) 822-8003
15 Washington St., Cambridge, MD 21613 (410) 221-0818
354 Pennsylvania Ave., Centreville, MD 21617 (410) 758-2095

PROFESSIONAL CERTIFICATION: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional Landscape Architect under the laws of the State of Maryland, License No. 4187, Expiration Date: 01/13/2027.

SEAL
STATE OF MARYLAND
LANDSCAPE ARCHITECT
M. N. [Signature]
6.10.2025 DATE

LANDSCAPE NOTES & SPECIFICATIONS

SHARP ROAD PARK SPORTS COMPLEX
IN THE TOWN OF DENTON
CAROLINE COUNTY, MARYLAND
TAX MAP 105 GRID 22 PARCEL 2292

ISSUED/REVISED FOR:	DATE:	BY:
PLANNING COMMISSION SUBMITTAL	12/13/24	TWG
AGENCY SUBMITTAL 01	01/24/25	TWG
AGENCY SUBMITTAL - FINAL	03/10/25	TWG
AGENCY SUBMITTAL - FINAL	03/27/25	TWG
FINAL APPROVAL	06/10/25	TWG

SHEET No.	L-101
SCALE:	AS NOTED
JOB No.	240183
FILE No.	3057

Date: 06/10/2025 9:30am User: mlablanc Project Manager: TWG
Drawn by: J.A. 2024/01/01 2:40:18 PM Plot: C:\Users\jlablanc\OneDrive\My Computer\Projects\240183\Drawings\1-L-101.XREF File(s): CSP-BASE-240183\RSF-BASE-240183\CSW-BASE-240183\LLP-BASE-240183\LLP-BASE-240183\CSF-BASE-240183

