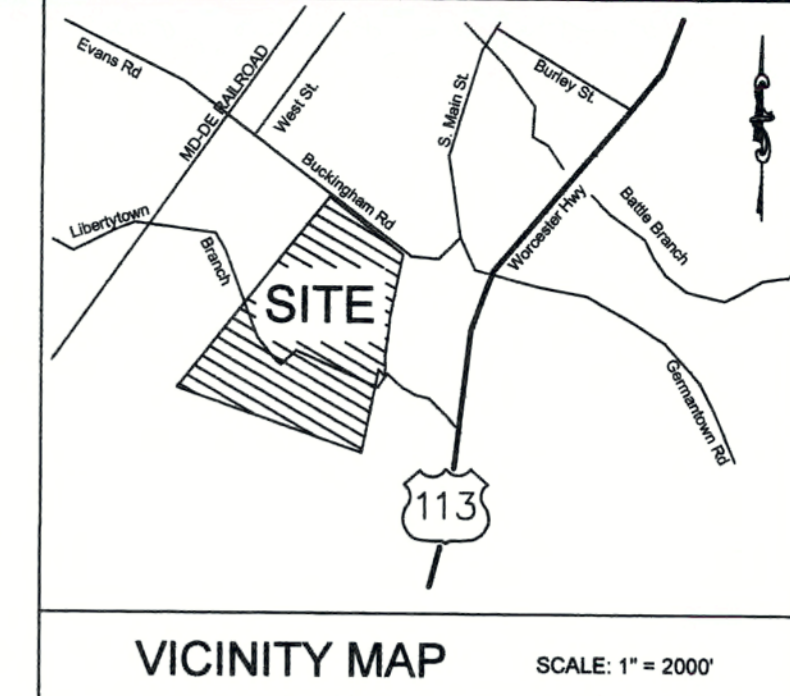
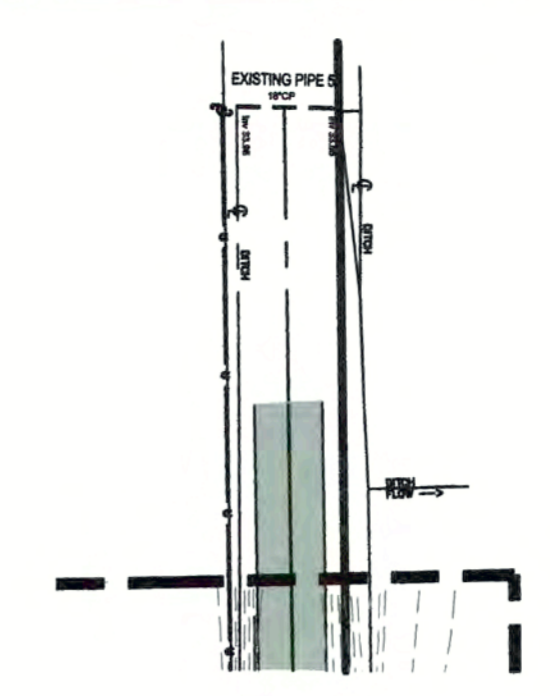
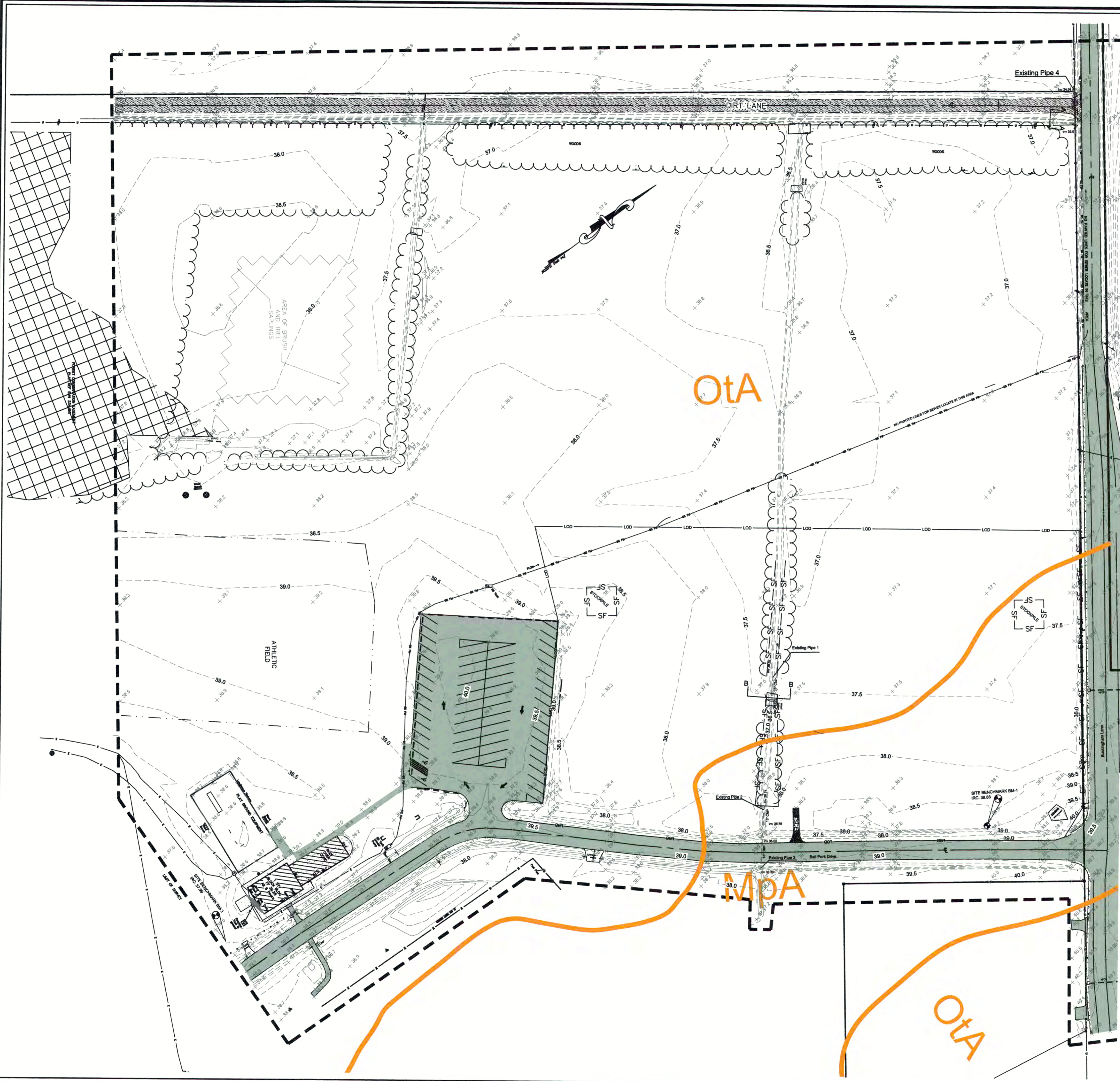


APPENDICES



GENERAL NOTES & SITE DATA:

- TAX MAP 32, GRID 2, PARCEL 276
- DEED REFERENCE: 1810/540
PLAT REFERENCE: 234/65
- BASE MAP INFORMATION, INCLUDING BOUNDARY & TOPOGRAPHY PROVIDED BY DON R. BAUMGARTNER.
- OWNER/DEVELOPER: COUNTY COMMISSIONERS OF WORCESTER COUNTY MARYLAND
1 WEST MARKET STREET, ROOM 1103
SNOW HILL, MD 21863
410-632-1194

SURVEYOR: DON R. BAUMGARTNER LAND SURVEYOR
31618 SHAVOX ROAD
SALISBURY, MD 21804
PHONE: 443-783-4882
EMAIL: DON270@VERIZON.NET

ENGINEER: J. STACEY HART & ASSOCIATES, INC.
POST OFFICE BOX 6
SNOW HILL, MARYLAND 21863
CELL: 410-430-4169
- CURRENT ZONING: R-1
SETBACKS: FRONT - 25'
REAR - 35'
WIDTH 10' SUM OF WIDTHS 25'
- CHURCHES*, SCHOOLS*, DAY-CARE CENTERS*, PUBLIC UTILITY USES,3*
(SEE CODE, SEC 108-329)

FRONT - 35'
REAR - VARIES (SEE CODE)
WIDTH - VARIES (SEE CODE)
- SOIL TYPES: O1A - OTHELLO SILT LOAMS, HYDROLOGIC SOIL GROUP "D"
Mpa - MATTAPEX SANDY LOAM, HYDROLOGIC SOIL GROUP "C"
- PARCEL SIZE: ±75.7 ACRES
- LIMITS OF DISTURBANCE (LOD) = ±178,570 S.F./4.10 ACRES
- THIS SITE IS NOT LOCATED WITHIN CRITICAL AREAS.
- NON-TIDAL WETLANDS: NO WETLANDS FROM NATIONAL WETLANDS SITE WITHIN THE LIMITS OF SURVEY/DISTURBANCE. HOWEVER, WETLANDS ARE SHOWN WITHIN THE LIMITS OF SURVEY ON PLAT ENTITLED "FOREST CONSERVATION EASEMENT PLAT", DATED 04-13-2009, RECORDING REF. SVH 234/65.
- PARKING SPACES (9x20): 273 SPACES
HANDICAP: 8 SPACES
TOTAL: 281 SPACES
- SUPPLY AND INSTALL NEW PARKING BUMPERS AS REQUIRED FOR PERIMETER SPACES.

LEGEND:

- EXISTING SPOT ELEVATION
- EXISTING CONTOUR
- EXISTING SIGN (TO BE SAVED & RELOADED)
- EXISTING PAVEMENT
- PROPOSED SILT FENCE
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED STABILIZED CONSTRUCTION ENTRANCE

Sediment Control Plan Approval
Worcester Soil Conservation District
Snow Hill, MD 21863
Approved by: [Signature]
Date: 6/16/22

SHEET INDEX

- C1 EXISTING CONDITIONS & EROSION CONTROL
- C2 SITE PLAN
- C3 STORMWATER MANAGEMENT PLAN
- C4 GRADING PLAN
- C5 GRADING PLAN
- C6 EROSION & SEDIMENT CONTROL NOTES
- C7 BOUNDARY

S.W.M. Plan Approval
Worcester County Environmental Programs
Snow Hill MD 21863
Approved by: [Signature]
Date: 6/16/22
BMS/B

OWNERS CERTIFICATION

THE CONTRACTOR AND OWNER SHALL PROVIDE SUPERVISION AND CERTIFICATION OF ALL CONSTRUCTION OF STORMWATER MANAGEMENT PRACTICES THAT PROVIDE INFILTRATION AND FILTERING, BY A PROFESSIONAL ENGINEER DULY LICENSED IN THE STATE OF MARYLAND.

I, THE UNDERSIGNED, CERTIFY THAT ALL LAND CLEARING, GRADING, CONSTRUCTION AND DEVELOPMENT SHALL BE DONE IN ACCORDANCE WITH THE APPROVED PLAN.

[Signature]
AUTHORIZED REPRESENTATIVE (SIGNATURE)
[Signature]
PRINTED NAME
DATE: 06-02-22

J. STACEY HART & ASSOCIATES, INC.
POST OFFICE BOX 6
SNOW HILL, MD 21863
PHONE: 410-390-9096
FAX: 877-646-4365
EMAIL: stacey@staceyhart.com

JSH
LAND SURVEYING
ENGINEERING

REVISIONS	DATE	REVISED FOR:

**PROPOSED PARKING LOT
NORTHERN WORCESTER COUNTY
ATHLETIC COMPLEX**
9039 WORCESTER HIGHWAY
TOWN OF BERLIN
WORCESTER COUNTY

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 THIS STATE.
LICENSE NO. MD 22798
EXPIRATION DATE: AUGUST 10, 2022



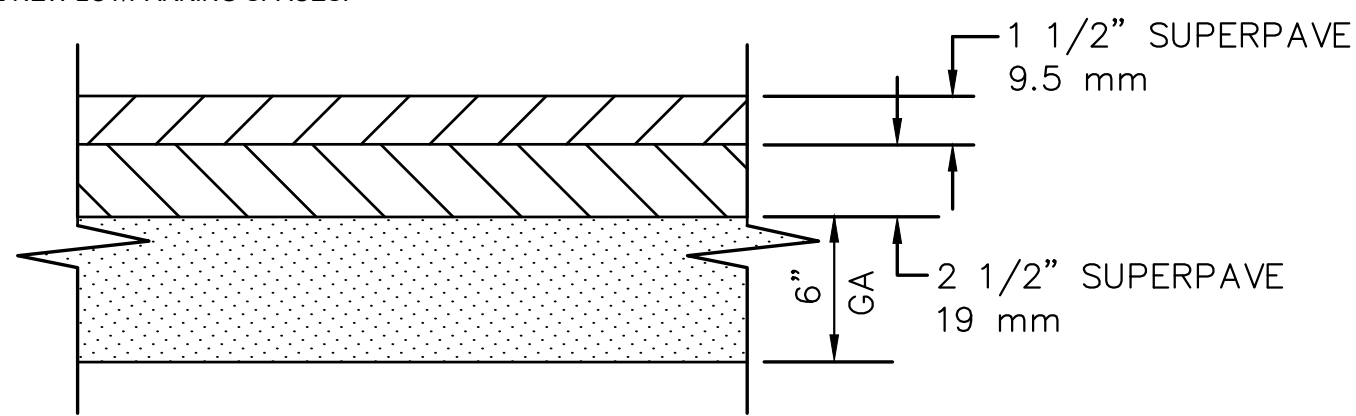
EXISTING CONDITIONS

DRAWN BY: j.s.h.	DATE: 04/2022
JOB NUMBER: 2020-110	1 of 7
SCALE: 1"=50'	

EXISTING PARKING LOT - NOTES

REHAB EXISTING LOT:

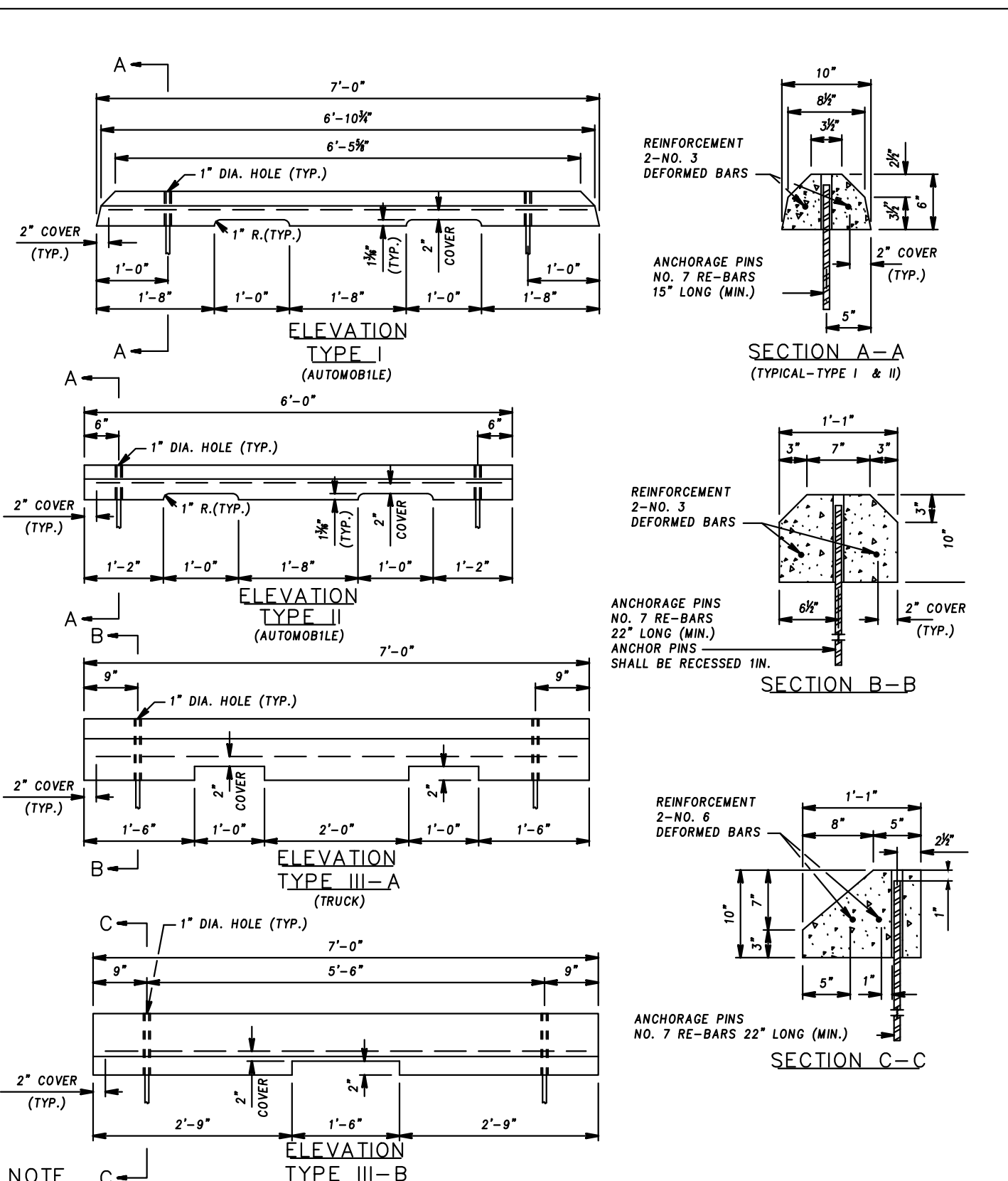
- MILL EXISTING WHITE STRIPING.
- SAWCUT PROPOSED ISLANDS AND CONSTRUCT NEW PCC CURB, TYPE 1, 6" ABOVE EXISTING GRADE.
- BACKFILL AND SEED NEW ISLANDS
- STRIPES NEW LOT/PARKING SPACES.



PAVEMENT CROSS-SECTION
NO SCALE

PROPOSED PAVEMENT CONSTRUCTION

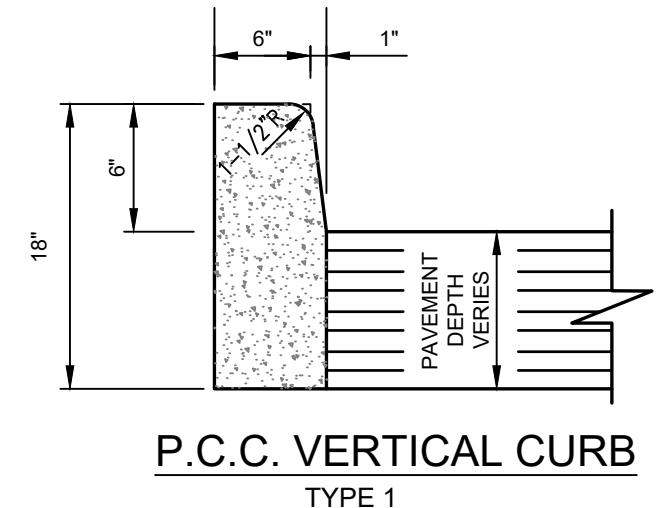
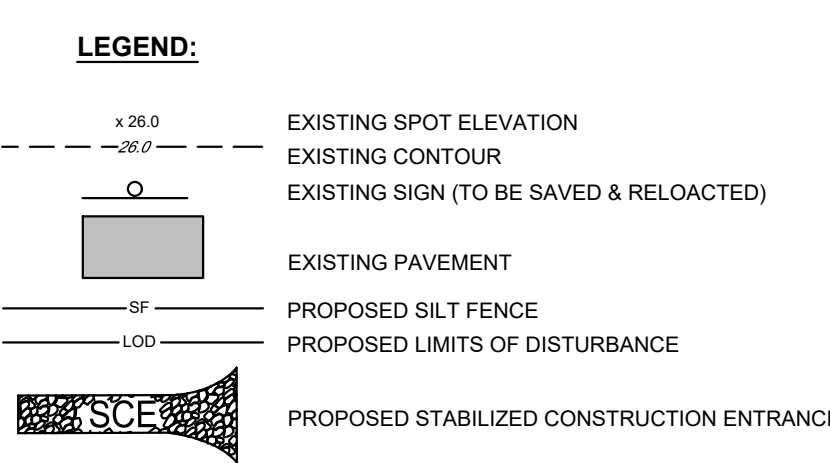
- CONTRACTOR TO REMOVE TOPSOIL AS NEEDED FOR PROPOSED PAVEMENT SECTION.
- UNSATURABLE SOILS SHALL BE REMOVED AND BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED.
- SUBGRADE SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY (MODIFIED PROCTOR) AS APPROVED BY A GEOTECHNICAL ENGINEER.



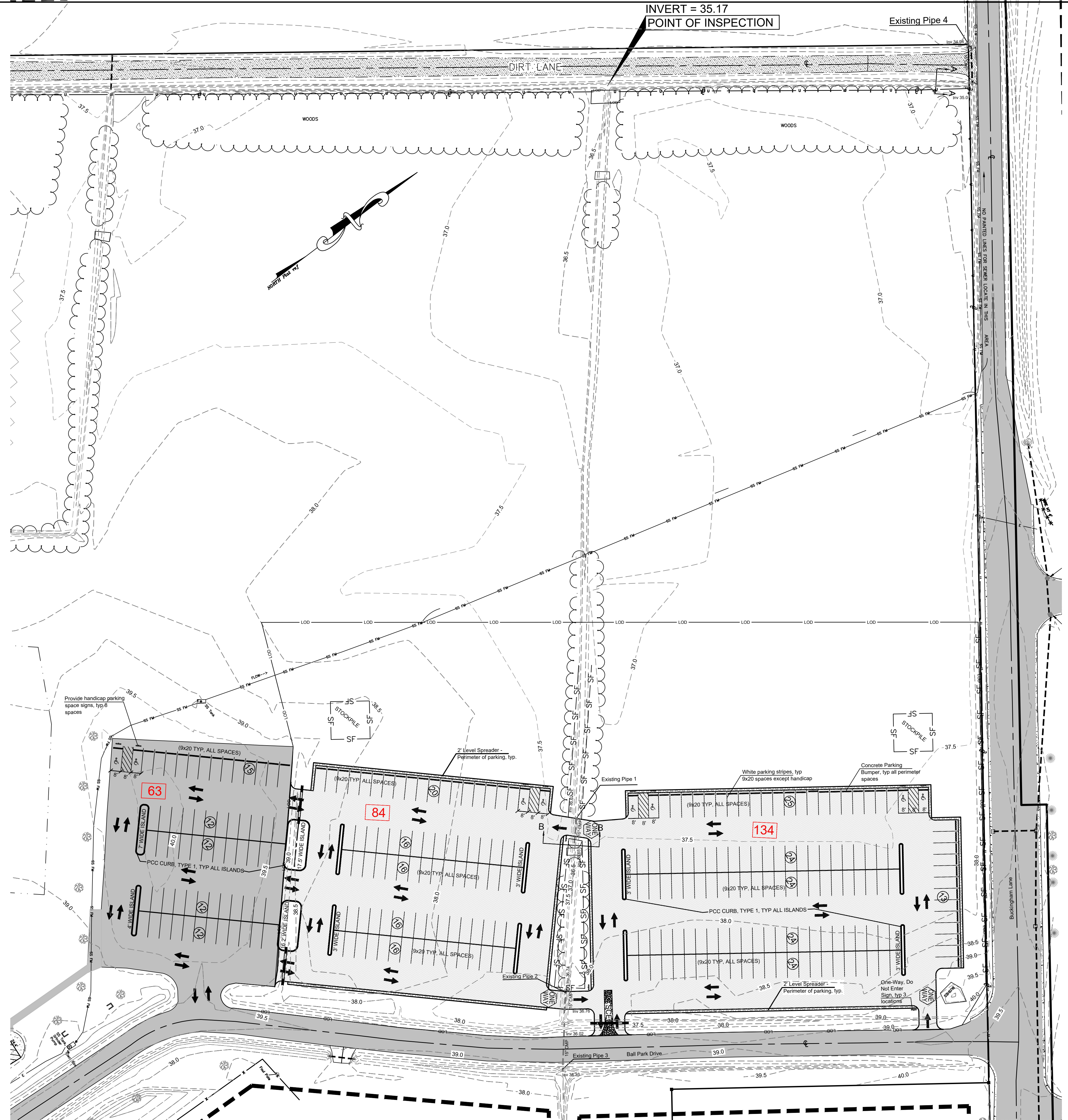
- NOTE**
- PRECAST CONCRETE WHEEL STOPS SHALL BE LOCATED AS SHOWN ON THE PLANS, THEN SECURED IN PLACE WITH TWO (2) NO. 7 REINFORCEMENT BARS PER WHEEL STOP.
 - COST OF THE REINFORCEMENT BARS WILL BE INCIDENTAL TO THE CONTRACT UNIT PRICE BID FOR EACH OF THE WHEEL STOPS.

PRECAST CONCRETE WHEEL STOPS

NO SCALE
MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
STANDARD NO. 634.04



CURB DETAIL, BERLIN STD 10.01
NO SCALE



J. STACEY HART & ASSOCIATES, INC.

JSH

POST OFFICE BOX 6
SNOW HILL, MD 21863
PHONE: 410-390-8096
FAX: 877-646-4385
EMAIL: stacey@jstaceyhart.com

REVISIONS

DATE	REVISED FOR:

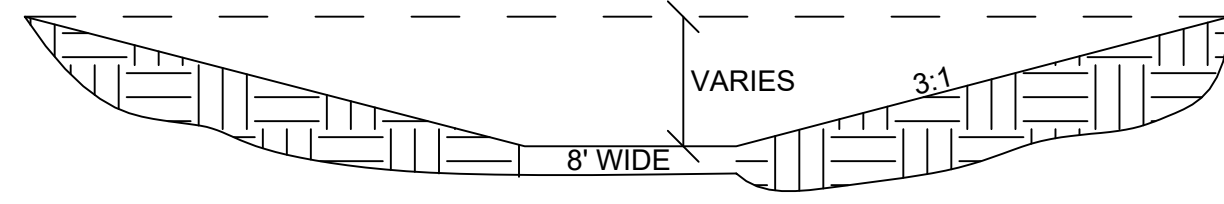
**PROPOSED PARKING LOT
NORTHERN WORCESTER COUNTY
ATHLETIC COMPLEX
9039 WORCESTER HIGHWAY
TOWN OF BERLIN
WORCESTER COUNTY**

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 THIS STATE.

LICENSE NO. MD 22788
EXPIRATION DATE: AUGUST 10, 2022

SITE PLAN

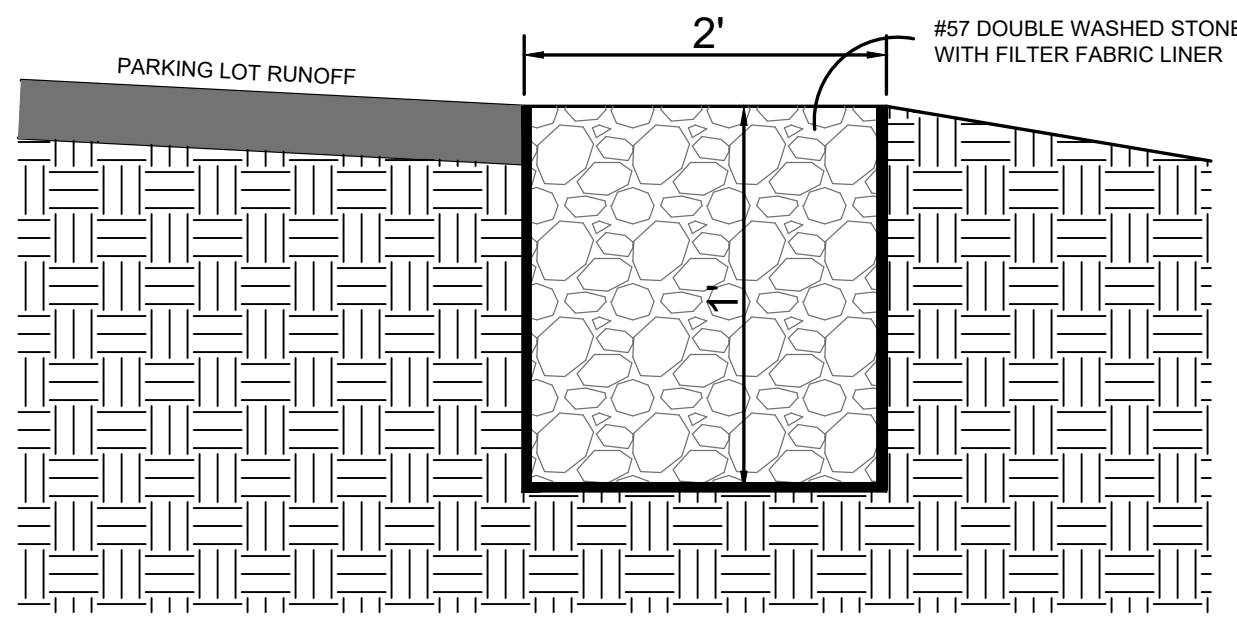
DRAWN BY: j.s.h.	DATE: 04/2022
JOB NUMBER: 2020-110	2 of 7
SCALE: 1"=40'	



PROPOSED WET SWALE
NTS

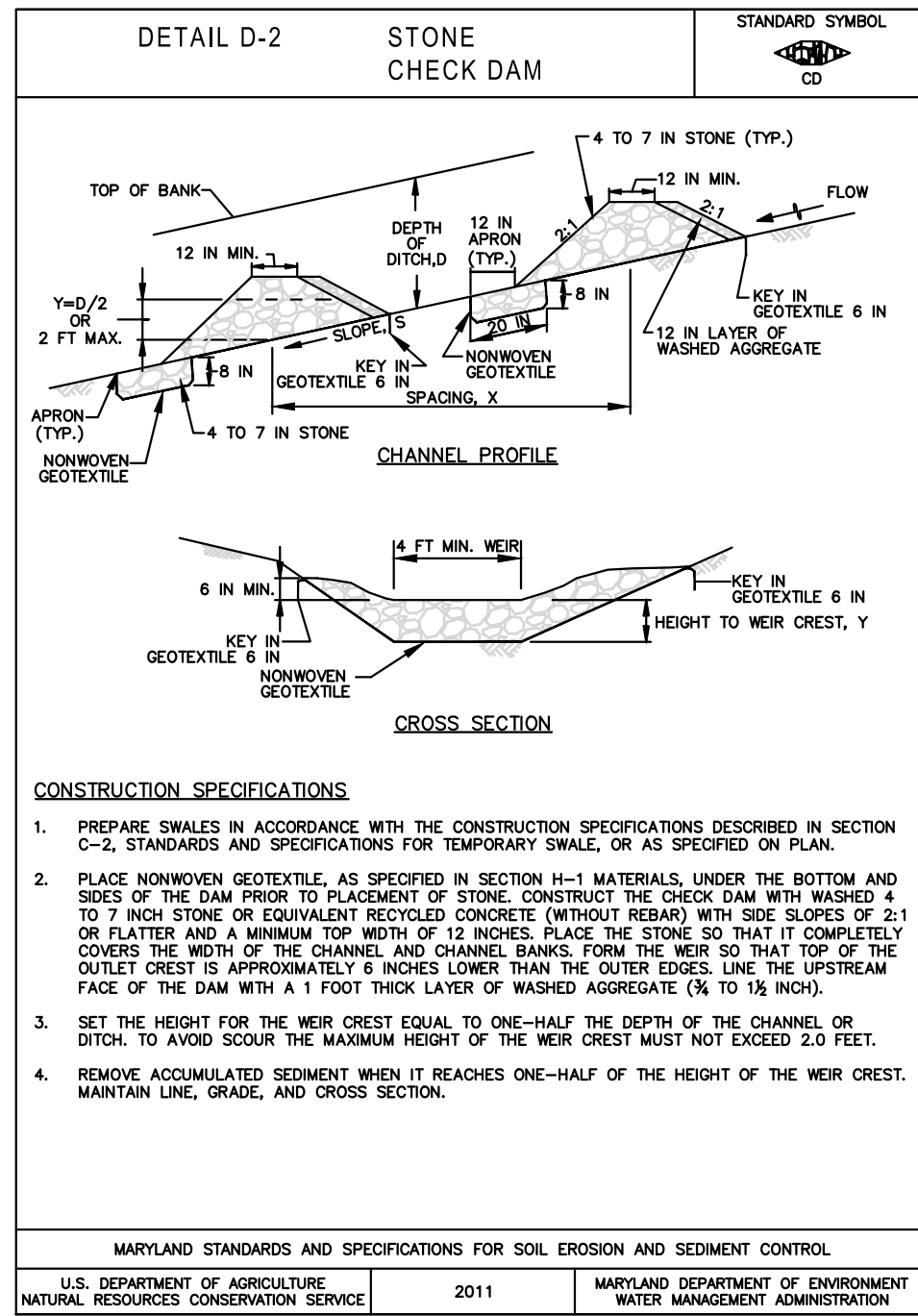
SWALE INSPECTION, OPERATION & MAINTENANCE - EXISTING & PROPOSED

- INSPECTION**
- DURING PLACEMENT AND BACKFILL.
 - UPON COMPLETION OF FINAL GRADING AND ESTABLISHMENT OF PERMANENT STABILIZATION.
- OPERATION & MAINTENANCE**
- DURING THE ESTABLISHMENT PERIOD, INSPECT CHANNEL AFTER EVERY RAINFALL.
 - AFTER GRASS IS ESTABLISHED, CHECK THE CHANNEL AT REGULAR INTERVALS AND AFTER EVERY HEAVY RAINFALL EVENT IMMEDIATELY MAKE REPAIRS. IT IS PARTICULARLY IMPORTANT TO CHECK THE CHANNEL OUTLET FOR BANK STABILITY AND EVIDENCE OF SCOURING.
 - REMOVE ALL SIGNIFICANT SEDIMENT ACCUMULATIONS WITHIN THE BOTTOM OF CHANNEL ONCE IT HAS ACCUMULATED TO 25% OF THE ORIGINAL DESIGN VOLUME IN ORDER TO MAINTAIN THE CARRYING CAPACITY.
 - MOW GRASS TO MAINTAIN A HEIGHT OF THREE TO FOUR INCHES.

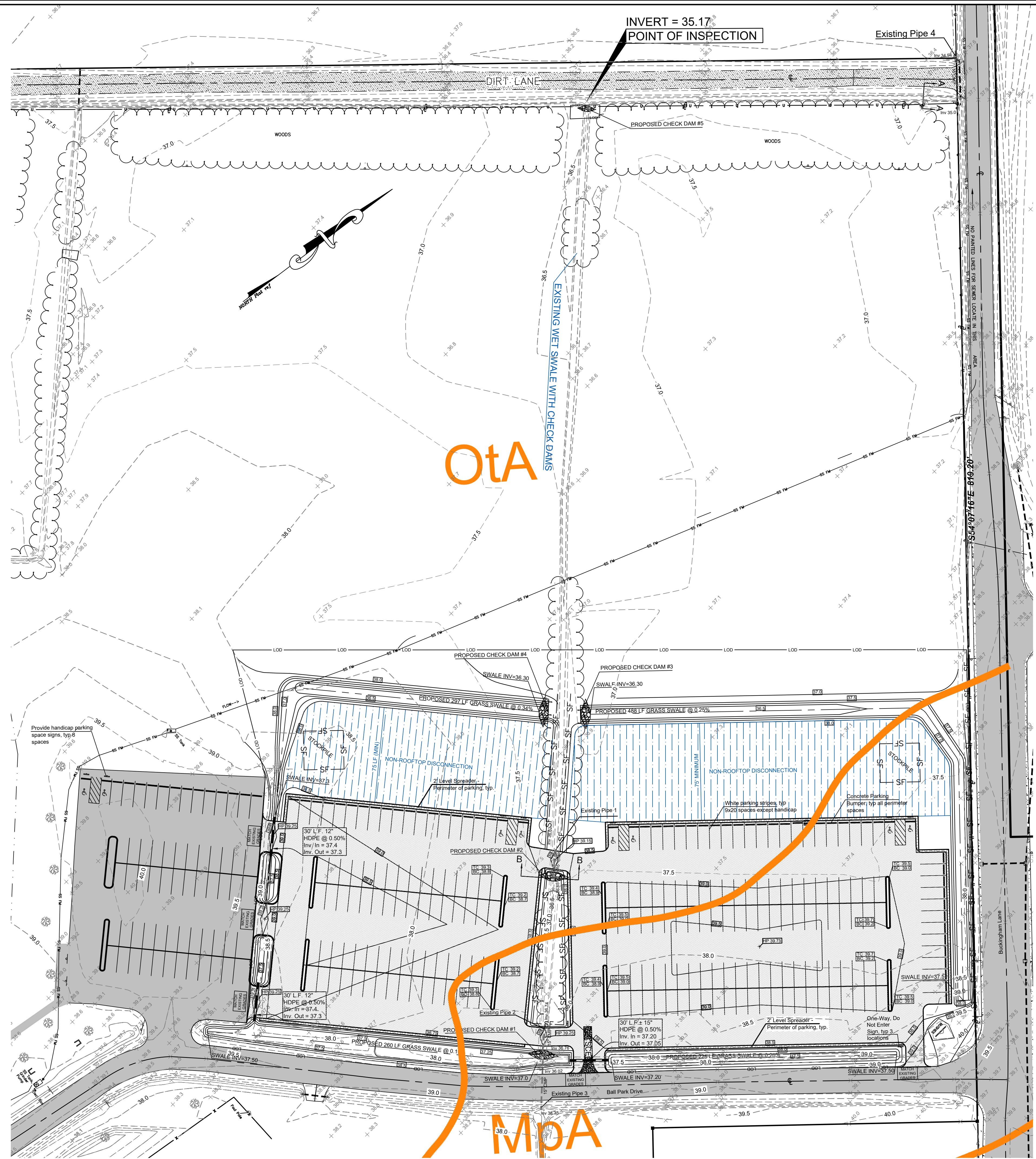


GRAVEL DIAPHRAGM (LEVEL SPREADER) DETAIL
NTS

CHECK DAM #	WEIR INVERT
1	37.50
2	37.75
3	37.00
4	37.00
5	36.00



- LEGEND:**
- x 26.0 EXISTING SPOT ELEVATION
 - - - - - EXISTING CONTOUR
 - EXISTING SIGN (TO BE SAVED & RELOACTED)
 - ▭ EXISTING PAVEMENT
 - SF - PROPOSED SILT FENCE
 - L - PROPOSED LIMITS OF DISTURBANCE
 - - - - - PROPOSED CONTOUR
 - PROPOSED SPOT ELEVATION
 - ▭ PROPOSED CHECK DAM
 - SCE - PROPOSED STABILIZED CONSTRUCTION ENTRANCE
 - - - - - PROPOSED DRAIN PIPE
 - ▭ PROPOSED PAVING



J. STACEY HART & ASSOCIATES, INC.

JSH
LAND SURVEYING & ENGINEERING

POST OFFICE BOX 6
SNOW HILL, MD 21863
PHONE: 410-390-8096
FAX: 877-646-4365
EMAIL: stacey@jstaceyhart.com

REVISIONS	DATE	REVISED FOR:

PROPOSED PARKING LOT
NORTHERN WORCESTER COUNTY
ATHLETIC COMPLEX
9039 WORCESTER HIGHWAY
TOWN OF BERLIN
WORCESTER COUNTY

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 THIS STATE.

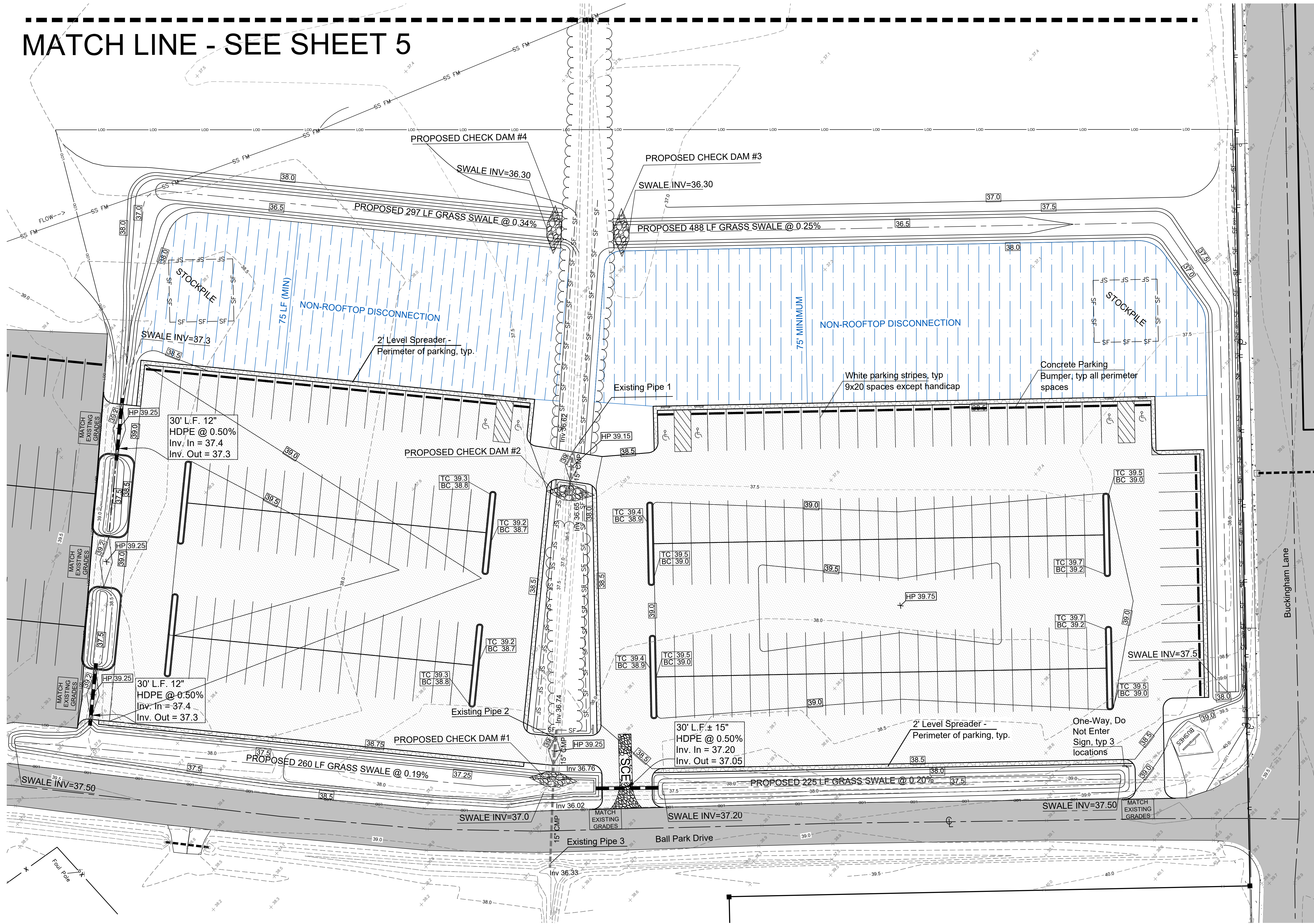
LICENSE NO. MD 22798
EXPIRATION DATE: AUGUST 10, 2022

STATE OF MARYLAND
PROFESSIONAL ENGINEER
05/12/2022

STORMWATER PLAN

DRAWN BY: j.s.h.	DATE: 04/2022
JOB NUMBER: 2020-110	3 of 7
SCALE: 1"=40'	

MATCH LINE - SEE SHEET 5



J. STACEY HART & ASSOCIATES, INC.
 POST OFFICE BOX 6
 SNOW HILL, MD 21863
 PHONE: 410-390-8096
 FAX: 877-646-4365
 EMAIL: stacey@jstaceyhart.com

REVISIONS	
DATE	REVISED FOR:

**PROPOSED PARKING LOT
 NORTHERN WORCESTER COUNTY
 ATHLETIC COMPLEX**
 9039 WORCESTER HIGHWAY
 TOWN OF BERLIN
 WORCESTER COUNTY

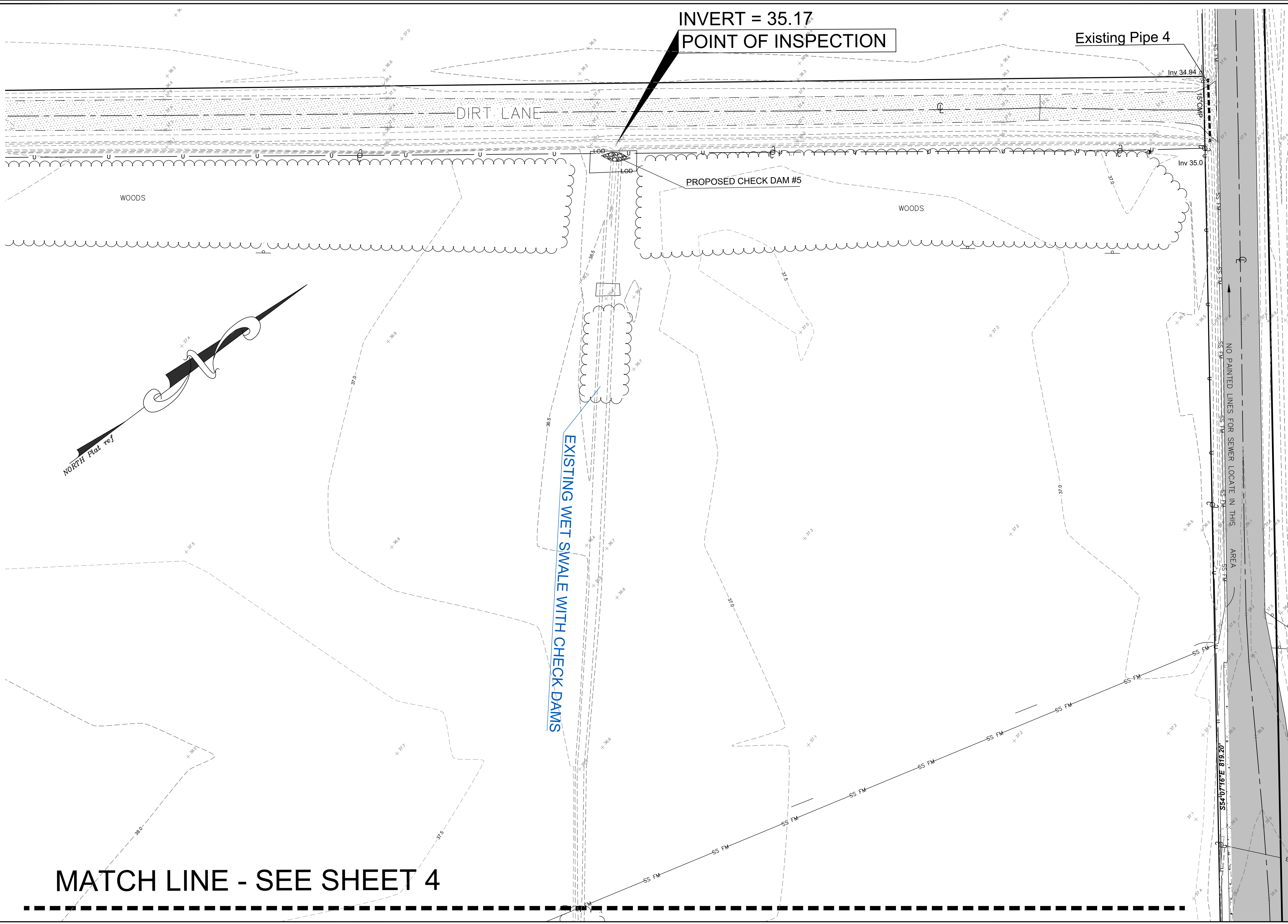
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THIS STATE.

LICENSE NO. MD 22788
 EXPIRATION DATE: AUGUST 10, 2022

05/12/2022

GRADING PLAN

DRAWN BY: j.s.h.	DATE: 04/2022
JOB NUMBER: 2020-110	4 of 7
SCALE: 1"=20'	



J. STACEY HART & ASSOCIATES, INC.

POST OFFICE BOX 6
SNOW HILL, MD 21863
PHONE: 410-390-8096
FAX: 877-646-4385
EMAIL: stacey@jstaceyhart.com

REVISIONS	
DATE	REVISION FOR

**PROPOSED PARKING LOT
NORTHERN WORCESTER COUNTY
ATHLETIC COMPLEX**
9039 WORCESTER HIGHWAY
TOWN OF BERLIN
WORCESTER COUNTY

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 THIS STATE.

LICENSE NO. MD 22788
EXPIRATION DATE: AUGUST 10, 2022

05/12/2022

GRADING PLAN

DRAWN BY: j.s.h.	DATE: 04/2022
JOB NUMBER: 2020-110	5 of 7
SCALE: 1"=20'	

SEDIMENT AND EROSION CONTROL NOTES

- Prior to the start of work, the Contractor is to obtain County approval of any proposed plan changes and sequence of construction, specifically relating to installation, inspection, maintenance and removal of erosion and sediment control measures.
- Sediment control measures are not to be removed until the areas served have established vegetative cover, or with the permission of the Worcester or MDE Sediment Control Inspector.
- When pumping sediment laden water, the discharge must be directed to an approved sediment trapping measure prior to release from the site.
- All temporary stockpiles are to be located within areas protected by sediment control measures, and are to be temporary stabilized.
- All sediment control dikes, swales, basins and flow lines to basins will be temporarily seeded immediately upon installation to reduce the contribution to sediment loading.
- Dispose of excess earth materials on State or Federal property requires MDE approval, otherwise materials are to be disposed of at a location approved by the local authority.
- Temporary soil erosion control and sediment control measures are to be provided as per the approved plan prior to grading operations. Location adjustments are to be made in the field as necessary. The minimum area practical shall be disturbed for the minimum possible time.
- If grading is completed out of a seeding season, graded areas are to be temporarily stabilized by mulch and mulch anchoring. Mulch material shall be unweathered, unchopped small grain straw spread at the rate of 1 1/2 to 2 tons per acre. Mulch anchoring to be accomplished by an approved method, use of a mulch anchoring tool is recommended where possible.
- Implementation of the sediment control plan shall be in accordance with "2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control" of the Department.
- The Contractor is responsible for implementation and maintenance of the approved plan, and all other measures necessary to control, filter, or prevent sediment from leaving the site.
- In case where stormwater management structures as a part of site development, removal of sediment control structures may not be accomplished before the contributing drainage area to the stormwater management structure is stabilized. Also, proper dewatering of the sediment from the site.
- On sites where infiltration techniques are utilized for the control of stormwater, extreme care must be taken to prevent all runoff from entering the structure during construction.
- Sediment control for utility construction in areas outside of designed controls:
 - Excavated trench material shall be placed on the high side of the trench.
 - Immediately following pipe installation the trench shall be backfilled, compacted and stabilized at the end of each working day.
 - Temporary silt fence, straw bale dikes, or stone check dams shall be placed immediately downstream of any disturbed area intended to remain disturbed longer than one working day.
- All points of construction ingress and egress shall be protected to prevent tracking of mud onto public ways.
- Following initial soil disturbance or redistribution, permanent or temporary stabilized shall be completed within:
 - Three (3) calendar days as to the surface of all perimeter dikes, swales, ditches, perimeter slopes, and all 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 under active grading. The requirements of Section G-20 (Vegetative Stabilization) do not apply to those areas which are shown on the plan and are currently being used for material storage or for those areas on which actual construction activities are currently being performed or to interior areas of a surface mine site where the stabilization material would contaminate the recoverable resource. Maintenance shall be performed as necessary to ensure that the stabilized areas continuously meet the appropriate requirements of the "2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control".
- Stabilization of all disturbed areas are to meet the requirements of the "2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control" - Section G-20 Vegetative Stabilization".

TEMPORARY SEEDING SUMMARY

No.	Species	Application Rate (lb/ac)	Seeding Dates	Seeding Depth	FERTILIZER RATE (10-10-10)		LIME RATE
					N	P ₂ O ₅	
1	Annual Ryegrass	40	2/15 to 4/30 8/15 to 11/01	1/2"	600 lb/ac (15 lb/1000 sf)	2 ton/ac (100 lb/1000 sf)	

PERMANENT SEEDING SUMMARY

No.	Species	Application Rate (lb/ac)	Seeding Dates	Seeding Depth	FERTILIZER RATE (10-20-20)			LIME RATE
					N	P ₂ O ₅	K ₂ O	
1	Tall Fescue Perennial Ryegrass White Clover	40 25 5	3/01 to 5/15 8/15 to 10/15	1/4"	45 lb/ac (1.0 lb/1,000 sf)	90 lb/ac (2.0 lb/1,000 sf)	90 lb/ac (2.0 lb/1,000 sf)	2 tons/ac (100 lb/1,000 sf)
2	Switch Grass Creeping Red Fescue Partridge Pea	10 15 4	3/01 to 5/15 8/15 to 10/15	1/4"	45 lb/ac (1.0 lb/1,000 sf)	90 lb/ac (2.0 lb/1,000 sf)	90 lb/ac (2.0 lb/1,000 sf)	2 tons/ac (100 lb/1,000 sf)
3	Hard Fescue Perennial Ryegrass Flintpea	20 10 15	3/01 to 5/15 8/15 to 10/15	1/4"	45 lb/ac (1.0 lb/1,000 sf)	90 lb/ac (2.0 lb/1,000 sf)	90 lb/ac (2.0 lb/1,000 sf)	2 tons/ac (100 lb/1,000 sf)

- * The fertilizer and lime rates listed above are meant for a one time application, at the time of seeding.
- The inspection agency shall be notified upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made, and approval shall be requested upon final stabilization.
 - At a minimum as each lot is developed sediment and erosion control will include but not be limited to a construction entrance, silt fence as needed and protection of the nearest storm drain inlet.
 - Lots developed by individuals and/or developers other than those certifying this plan will require that the new owner will be responsible for securing appropriate sediment erosion control approval. At a minimum, the new owner/developer will need to include a construction entrance, silt fence as needed and protection of the nearest storm drain inlet in an approved sediment erosion control plan.
 - Approved plans remain valid for 2 years from the date of approval, with the exception of surface mine and landfill plans which remain valid for 5 years from the date of approval. Uses specifically extended or renewed by the approval authority.
 - A Maryland Department of Environment Notice of Intent (NOI) General Permit for Construction Activity is required for all construction activity in Maryland with a planned disturbance of 1 acre or more.
 - As mandated by the Notice of Intent (NOI) general permit issued by the Maryland Department of the Environment (MDE), an inspection must be performed onsite of all sediment controls on a weekly basis and after every rainfall event. All self-inspections must be maintained along with all applicable governing agency inspection reports in a log book, to be kept onsite at all times.

OWNERS CERTIFICATION

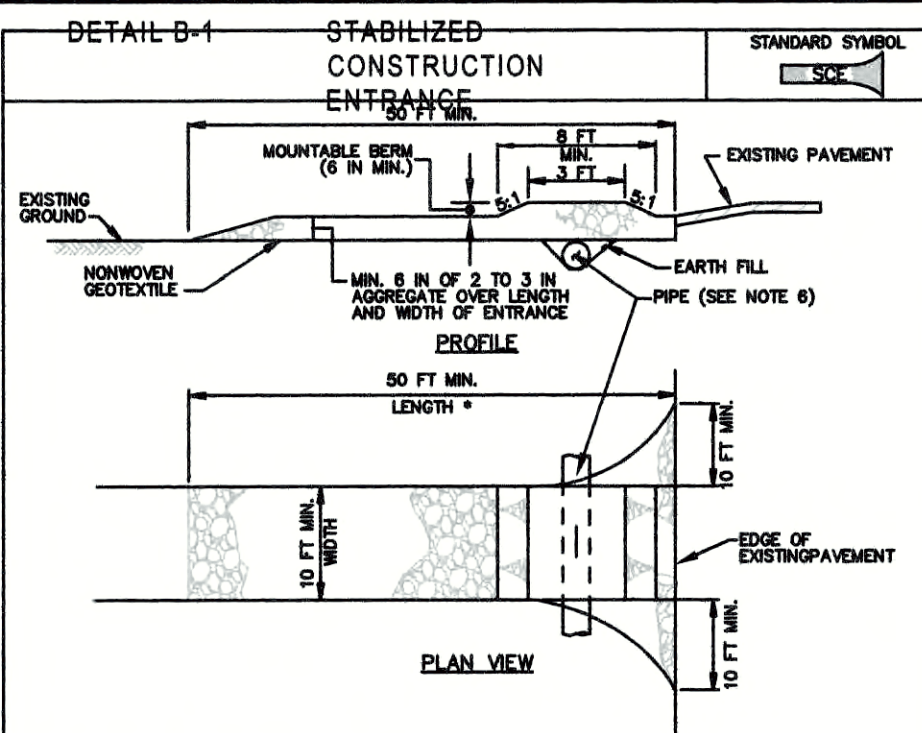
I, THE UNDERSIGNED CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION, OR DEVELOPMENT, OR ALL OF THESE, WILL BE DONE PURSUANT TO THIS PLAN AND THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, AND FURTHER AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATION BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT OR THEIR AUTHORIZED AGENTS. RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATION AT A DEPARTMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION.

Kelly Adams
 AUTHORIZED REPRESENTATIVE (SIGNATURE) 06.02.22
 DATE
Kelly Adams
 PRINTED NAME
 443-783-6162
 PHONE NUMBER

DEVELOPERS CERTIFICATION

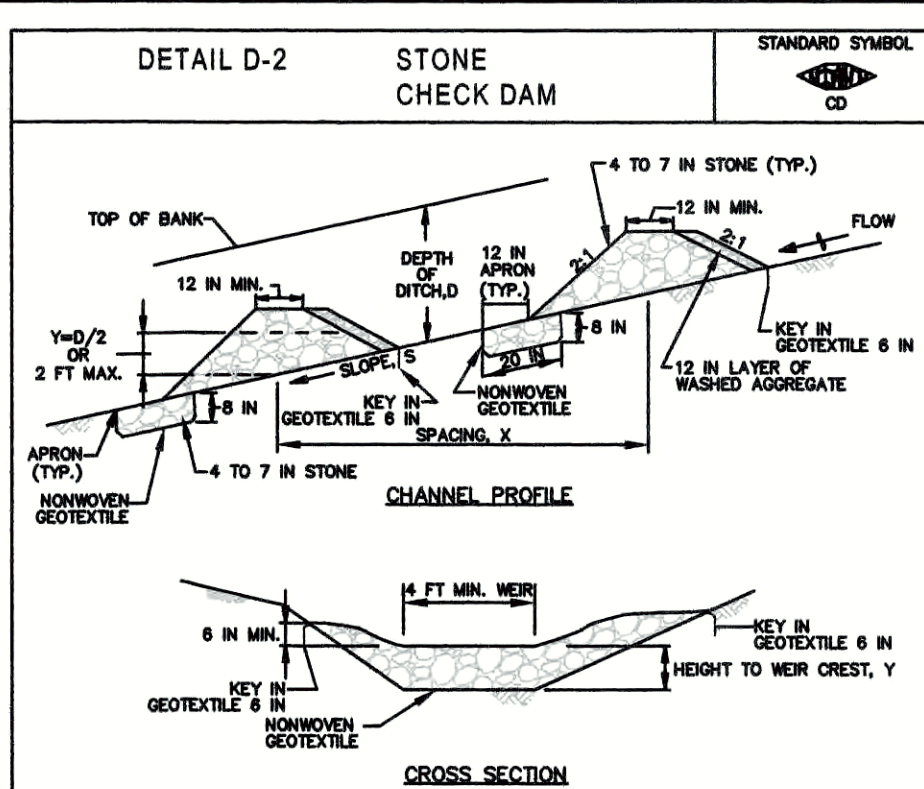
- All phases of stormwater management calculations, structure design and construction will adhere to current Maryland standards and specifications for stormwater management and the stormwater management plan for this site.
- All information set forth in this plan accurately conveys this site's conditions to the best of my knowledge.
- All structural devices for stormwater management will be protected by proper soil erosion and sediment control devices until all contributing areas have passed final stabilization inspection.
- UPON COMPLETION OF THE PROJECT, AN AS-CONSTRUCTED SURVEY, NOTICE OF CONSTRUCTION COMPLETION (NOCC), AND LETTER OF CERTIFICATION MUST BE SUBMITTED TO THE DEPARTMENT, EXCEPT INDIVIDUAL SINGLE FAMILY DWELLINGS. ONCE REVIEW IS COMPLETE AND APPROVED, A CERTIFICATE OF OCCUPANCY CAN BE ISSUED.

Kelly Adams
 AUTHORIZED REPRESENTATIVE (SIGNATURE) 06.02.22
 DATE
Kelly Adams
 PRINTED NAME
 443-783-6162
 PHONE NUMBER



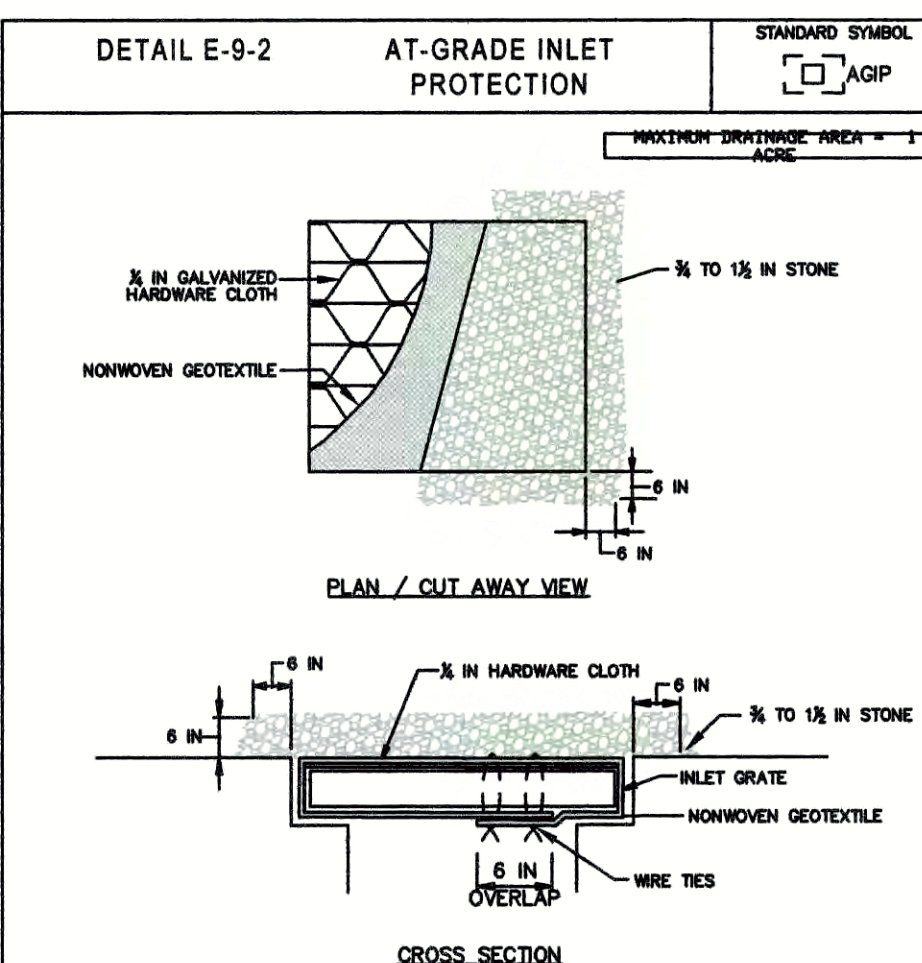
- CONSTRUCTION SPECIFICATIONS**
- PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (30 FEET FOR SINGLE RESIDENCES LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE TO 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
 - PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE. MAINTAIN POSITIVE DRAINAGE. PROTECT PIPE INSTALLED UNDER THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT.
 - PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS.
 - PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE.
 - MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT, ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE. MOUNTABLE BERM AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED INTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT
 NATURAL RESOURCES CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



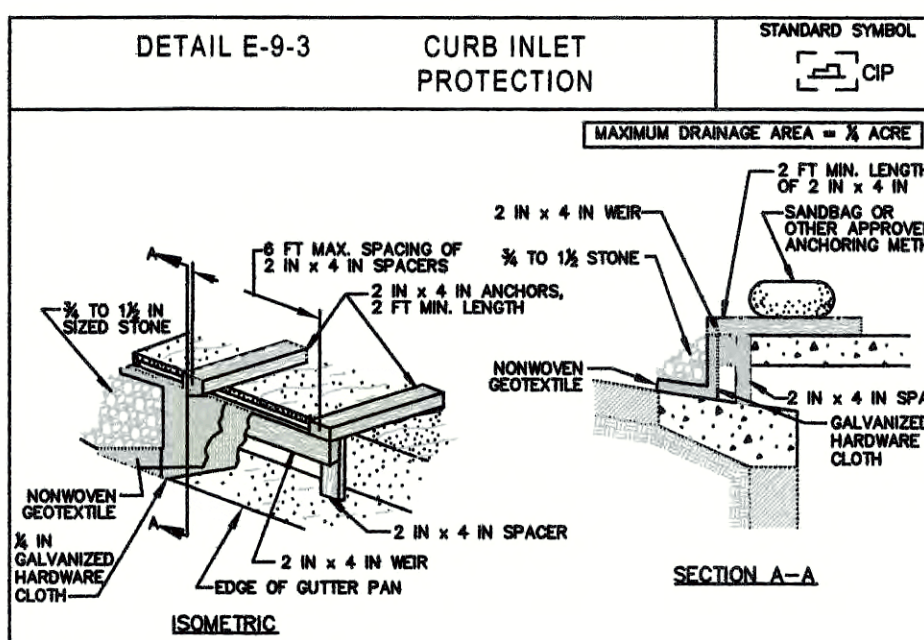
- CONSTRUCTION SPECIFICATIONS**
- PREPARE SWALES IN ACCORDANCE WITH THE CONSTRUCTION SPECIFICATIONS DESCRIBED IN SECTION C-2, STANDARDS AND SPECIFICATIONS FOR TEMPORARY SWALE, OR AS SPECIFIED ON PLAN.
 - PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, UNDER THE BOTTOM AND SIDES OF THE DAM PRIOR TO PLACEMENT OF STONE. CONSTRUCT THE CHECK DAM WITH WASHED 4 TO 7 INCH STONE OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) WITH SIDE SLOPES OF 2:1 OR FLATTER AND A MINIMUM TOP WIDTH OF 12 INCHES. PLACE THE STONE SO THAT IT COMPLETELY COVERS THE WIDTH OF THE CHANNEL AND CHANNEL BANKS. FORM THE WEIR SO THAT TOP OF THE OUTLET CREST IS APPROXIMATELY 6 INCHES LOWER THAN THE OUTER EDGES. LINE THE UPSTREAM FACE OF THE DAM WITH A 1 FOOT THICK LAYER OF WASHED AGGREGATE (3/4 TO 1 1/2 INCH).
 - SET THE HEIGHT FOR THE WEIR CREST EQUAL TO ONE-HALF THE DEPTH OF THE CHANNEL OR DITCH. TO AVOID SCOUR, THE MAXIMUM HEIGHT OF THE WEIR CREST MUST NOT EXCEED 2.0 FEET.
 - REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES ONE-HALF OF THE HEIGHT OF THE WEIR CREST. MAINTAIN LINE, GRADE, AND CROSS SECTION.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT
 NATURAL RESOURCES CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



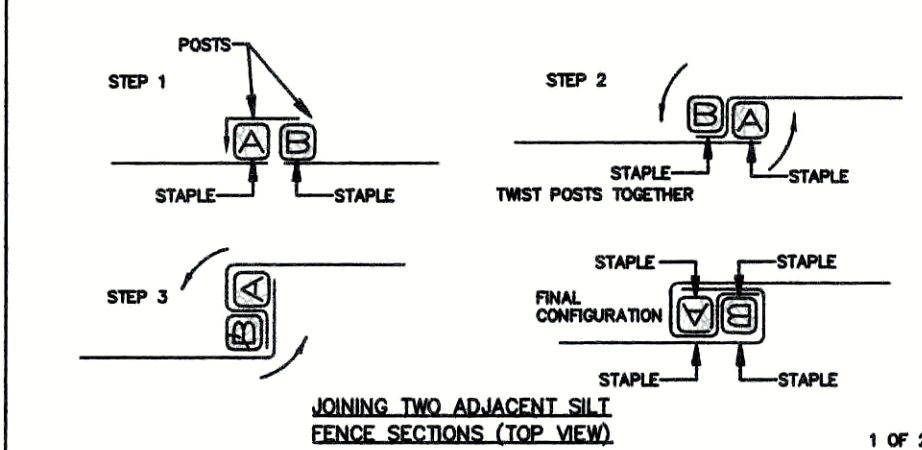
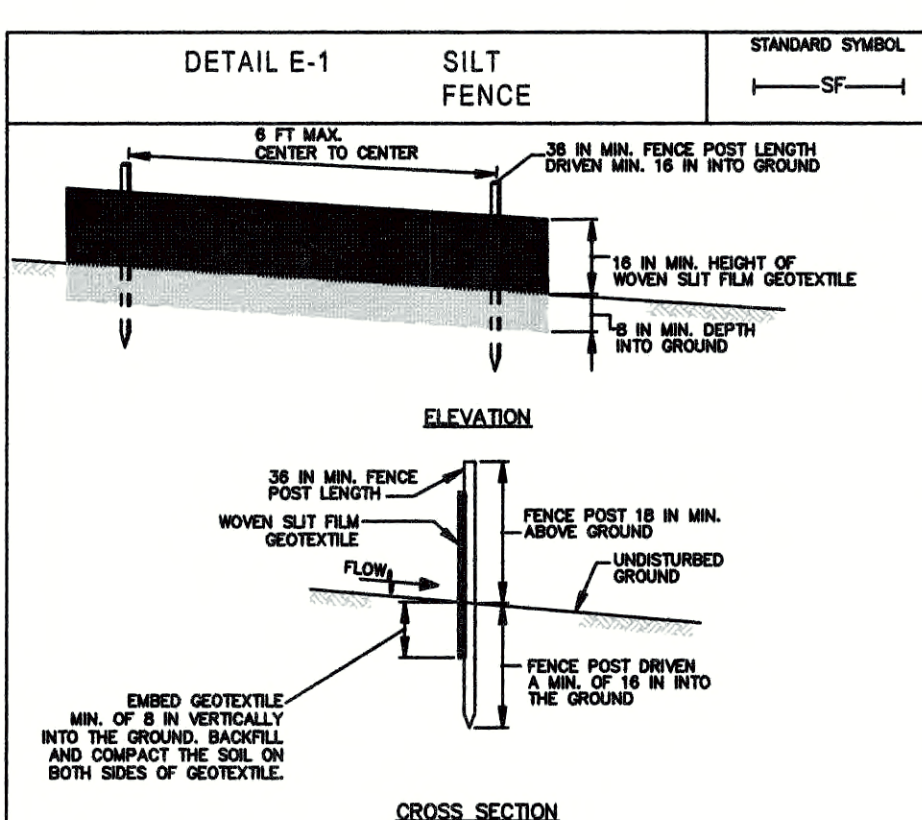
- CONSTRUCTION SPECIFICATIONS**
- USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
 - LIFT GRATE AND WEIR WITH NONWOVEN GEOTEXTILE TO COMPLETELY COVER ALL OPENINGS. SECURE WITH WIRE TIES AND SET GRATE BACK IN PLACE.
 - PLACE CLEAN 3/4 TO 1 1/2 INCH STONE OR EQUIVALENT RECYCLED CONCRETE 6 INCHES THICK ON THE GRATE.
 - STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PRESSURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT
 NATURAL RESOURCES CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION

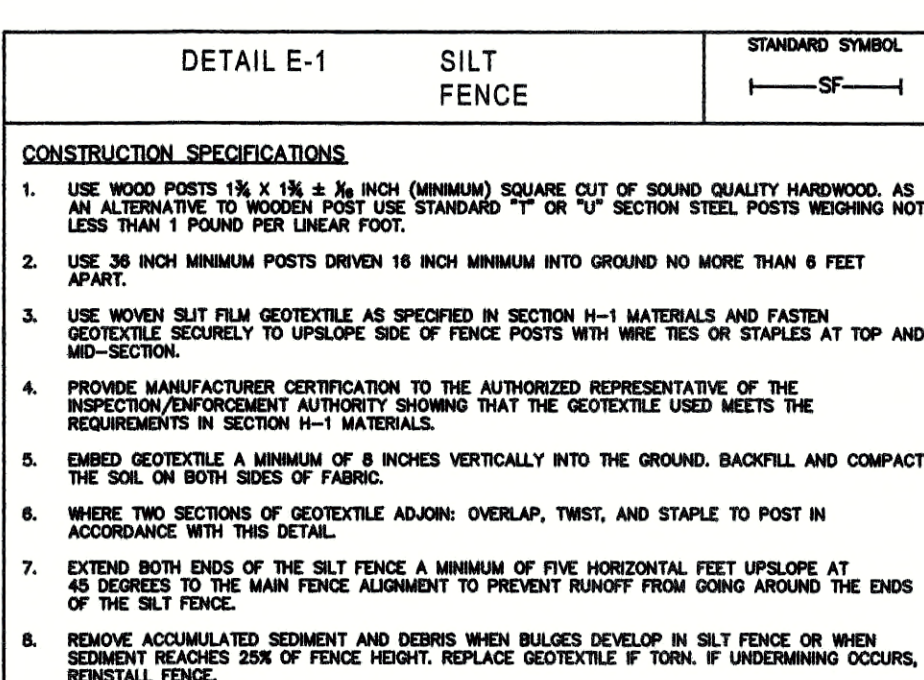


- CONSTRUCTION SPECIFICATIONS**
- USE NOMINAL 2 INCH x 4 INCH LUMBER.
 - USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
 - NAIL THE 2x4 WEIR TO 6 INCH LONG VERTICAL SPACERS (MAXIMUM 6 FEET APART).
 - ATTACH A CONTINUOUS PIECE OF 3/4 INCH GALVANIZED HARDWARE CLOTH WITH A MINIMUM WIDTH OF 30 INCHES AND A MINIMUM LENGTH OF 4 FEET LOWER THAN THE THROAT OPENING, TO THE 2x4 WEIR, EXTENDING 12 FEET BEYOND THROAT ON EACH SIDE.
 - PLACE A CONTINUOUS PIECE OF NONWOVEN GEOTEXTILE OF THE SAME DIMENSIONS AS THE HARDWARE CLOTH OVER THE HARDWARE CLOTH AND SECURELY ATTACH TO THE 2x4 WEIR.
 - FORM THE HARDWARE CLOTH AND GEOTEXTILE TO THE CONCRETE GUTTER AND FACE OF CURB TO SPAN THE INLET OPENING. COVER THE HARDWARE CLOTH AND GEOTEXTILE WITH CLEAN 3/4 TO 1 1/2 INCH STONE OR EQUIVALENT RECYCLED CONCRETE.
 - AT NON-RAMP LOCATIONS, INSTALL A TEMPORARY SANDBAG OR ASPHALT BERM TO PREVENT INLET BYPASS.
 - STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PRESSURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT
 NATURAL RESOURCES CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



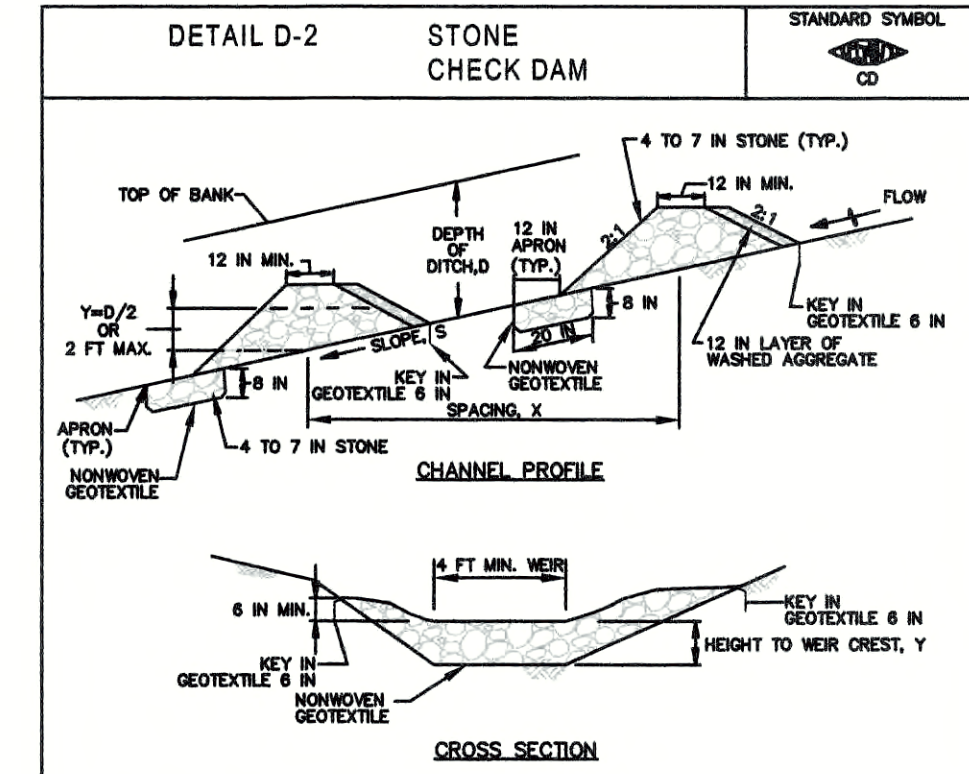
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT
 NATURAL RESOURCES CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



- CONSTRUCTION SPECIFICATIONS**
- USE WOOD POSTS 1 1/2 x 1 1/2 x 3/8 INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD, AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT.
 - USE 36 INCH MINIMUM POSTS DRIVEN 18 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.
 - USE WOVEN SILT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPLOUSE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION.
 - PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
 - EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND, BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC.
 - WHERE TWO SECTIONS OF GEOTEXTILE ADJACE OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.
 - EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 40 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM COMING AROUND THE ENDS OF THE SILT FENCE.
 - REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN, IF UNDERMINING OCCURS, REINSTALL FENCE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT
 NATURAL RESOURCES CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION

CHECK DAM #	WEIR INVERT
1	37.50
2	37.75
3	37.00
4	37.00
5	36.00



- CONSTRUCTION SPECIFICATIONS**
- PREPARE SWALES IN ACCORDANCE WITH THE CONSTRUCTION SPECIFICATIONS DESCRIBED IN SECTION C-2, STANDARDS AND SPECIFICATIONS FOR TEMPORARY SWALE, OR AS SPECIFIED ON PLAN.
 - PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, UNDER THE BOTTOM AND SIDES OF THE DAM PRIOR TO PLACEMENT OF STONE. CONSTRUCT THE CHECK DAM WITH WASHED 4 TO 7 INCH STONE OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) WITH SIDE SLOPES OF 2:1 OR FLATTER AND A MINIMUM TOP WIDTH OF 12 INCHES. PLACE THE STONE SO THAT IT COMPLETELY COVERS THE WIDTH OF THE CHANNEL AND CHANNEL BANKS. FORM THE WEIR SO THAT TOP OF THE OUTLET CREST IS APPROXIMATELY 6 INCHES LOWER THAN THE OUTER EDGES. LINE THE UPSTREAM FACE OF THE DAM WITH A 1 FOOT THICK LAYER OF WASHED AGGREGATE (3/4 TO 1 1/2 INCH).
 - SET THE HEIGHT FOR THE WEIR CREST EQUAL TO ONE-HALF THE DEPTH OF THE CHANNEL OR DITCH. TO AVOID SCOUR, THE MAXIMUM HEIGHT OF THE WEIR CREST MUST NOT EXCEED 2.0 FEET.
 - REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES ONE-HALF OF THE HEIGHT OF THE WEIR CREST. MAINTAIN LINE, GRADE, AND CROSS SECTION.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT
 NATURAL RESOURCES CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION

SEQUENCE OF CONSTRUCTION:

- CONTACT THE WORCESTER COUNTY DEPARTMENT OF ENVIRONMENTAL PROGRAMS AT 410-432-1220 TO SCHEDULE A PRE-CONSTRUCTION MEETING AT LEAST 48 HOURS PRIOR TO COMMENCING ANY SITE WORK. FAILURE TO DO SO MAY RESULT IN AN IMMEDIATE "STOP WORK ORDER".
- INSTALL STABILIZED CONSTRUCTION.
- PERFORM CLEARING AND GRUBBING TO INSTALL PERIMETER CONTROLS.
- INSTALL PERIMETER CONTROLS (SILT FENCE) AND STONE CHECK DAM #5.
- PERFORM REMAINING CLEARING, GRUBBING AND SITE GRADING OF PARKING LOT INSIDE LIMITS OF DISTURBANCE. CONSTRUCT PROPOSED GRASS SWALES AND CHECK DAMS #1, 2, 3 & 4.
- PERFORM FINAL GRADING AND PAVING OPERATIONS AND STRIPING.
- CLEAN SWALE AND CHECK DAMS OF ANY SEDIMENT AND STABILIZE AND SEED ALL AREAS. CHECK DAMS TO REMAIN AFTER CONSTRUCTION.
- REMOVAL OF CONTROLS AND STABILIZATION OF AREAS DISTURBED BY THEIR REMOVAL.

J. STACEY HART & ASSOCIATES, INC.
 1000 W. MAIN ST. SUITE 100
 SNOW HILL, MD 21863
 PHONE: 410-390-8096
 FAX: 877-646-4365
 EMAIL: jstacey@staceyhart.com

REVISIONS	DATE	REVISED FOR:

**PROPOSED PARKING LOT
 NORTHERN WORCESTER COUNTY
 ATHLETIC COMPLEX
 9039 WORCESTER HIGHWAY
 TOWN OF BERLIN
 WORCESTER COUNTY**

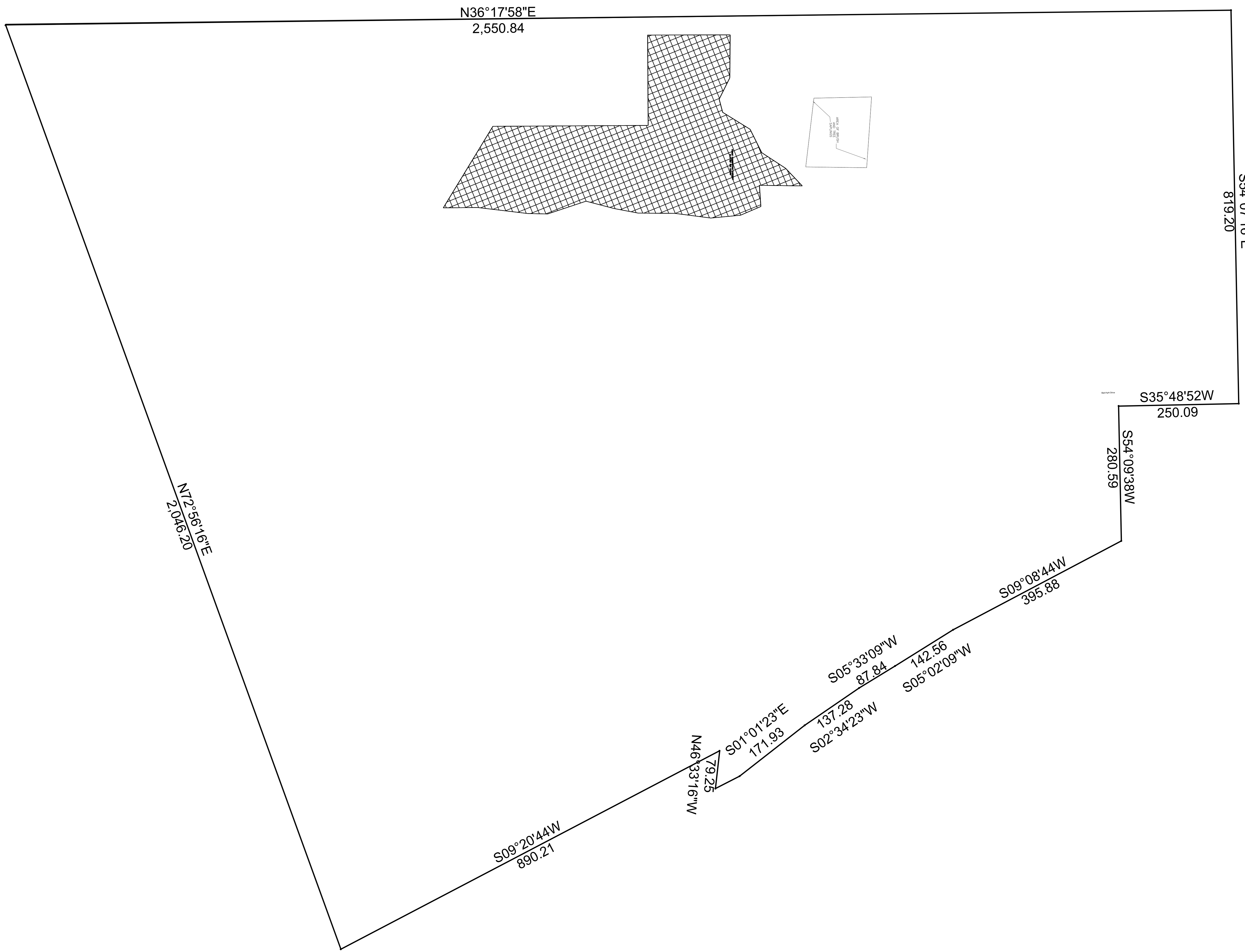
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THIS STATE.

LICENSE NO: MD 22798
 EXPIRATION DATE: AUGUST 10, 2022



EROSION & SEDIMENT CONTROL NOTES

DRAWN BY: j.s.h. DATE: 04/2022
 JOB NUMBER: 2020-110
 SCALE: 6 of 7
 NONE



N36°17'58"E
2,550.84

BUCKINGHAM ROAD

S54°07'16"E
819.20

S35°48'52"W
250.09

S54°09'38"W
280.59

S09°08'44"W
395.88

S05°33'09"W
87.84

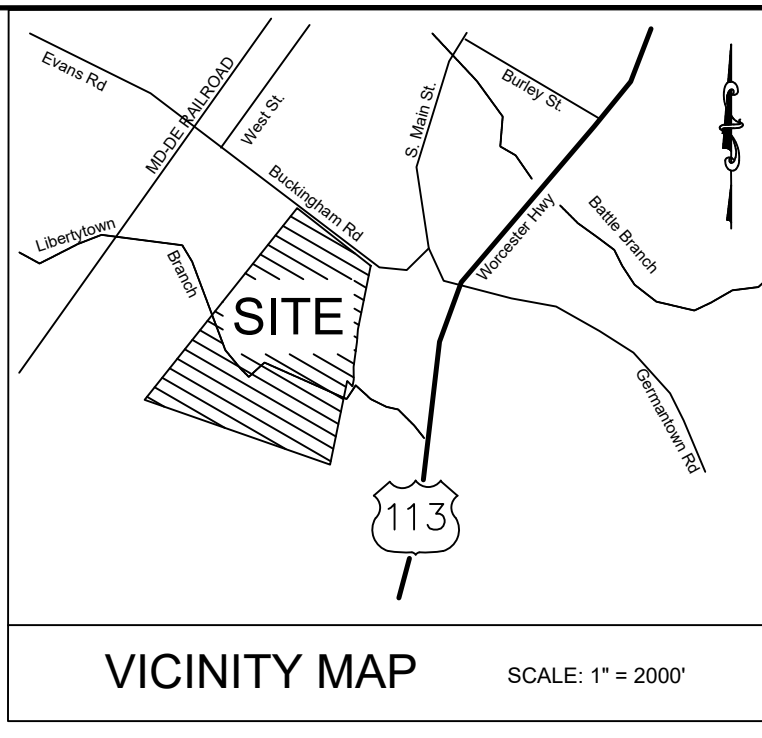
S05°02'09"W
142.56

S01°01'23"E
171.93

S02°34'23"W
137.28

N46°33'16"W
79.25

S09°20'44"W
890.21



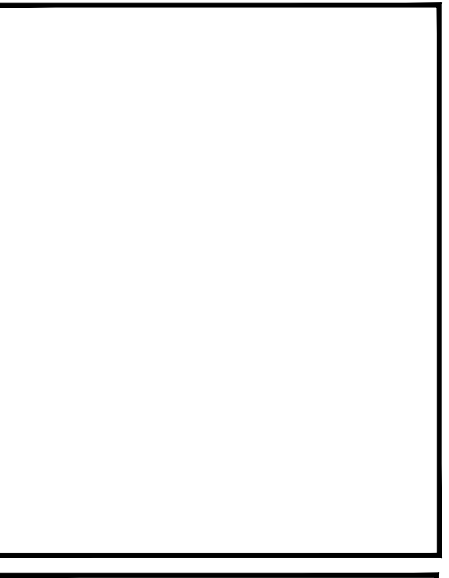
J. STACEY HART & ASSOCIATES, INC.

JSH

POST OFFICE BOX 6
SNOW HILL, MD 21863
PHONE: 410-390-8096
FAX: 877-646-4365
EMAIL: stacey@jstaceyhart.com

REVISIONS	DATE	REVISED FOR:

PROPOSED PARKING LOT
NORTHERN WORCESTER COUNTY
ATHLETIC COMPLEX
9039 WORCESTER HIGHWAY
TOWN OF BERLIN
WORCESTER COUNTY



BOUNDARY

DRAWN BY: j.s.h.	DATE: 08/2021
JOB NUMBER: 2020-110	7 of 7
SCALE: 1"=50'	

Delmarva Soil and Concrete Inspections, LLC

Soils, Asphalt, Concrete and Footing Inspections
Hand Auger Test Borings
Reporting and Laboratory Services

July 31, 2023

Stacey Hart
J. Stacey Hart & Associates, Inc

Re: Report of Subsurface Exploration
North Worcester Athletic Complex
Berlin, Maryland
DMV Project No.: 31/23

Dear Stacey,

Below are the soil classifications in accordance with USCS, and subsurface conditions, for each boring. I didn't use densities in classifications (loose, medium dense, dense, stiff, hard, etc) since I didn't get blow counts. Bulk samples were taken for lab testing for two distinct soil types encountered. Those results are included. The subsurface conditions encountered at the time of drilling, and USCS classifications are as follows:

Boring B-1 was drilled within the drive lane of the east parking lot. Groundwater was encountered at 4.3 feet. Mottling was encountered at 4.0 feet. Topsoil thickness was found to be 4 inches.

DEPTH (FT)	USCS DESCRIPTION
0.3 - 2.3	Gray, Fine Sandy SILT, Trace Clay (ML) A-4
2.3 - 3.2	Gray, Fine to Medium SAND, Little Silt, Trace Clay (SM) A-2-5
3.2 - 4.4	Gray to Light Brown, Fine to Medium SAND, Trace Silt (SP) A-3
4.4 - 5.0	Gray, Silty, Fine SAND, Trace Clay (SM) A-4

Boring B-2 was drilled on the east side of the hedgerow within a drive lane in the east parking lot. Groundwater was encountered at 4.5 feet. Mottling was encountered at 4.2 feet. Topsoil thickness was found to be 6.5 inches.

DEPTH (FT)	USCS DESCRIPTION
0.5 - 1.9	Gray, Fine Sandy SILT, Trace Clay (ML) A-4
1.9 - 2.9	Gray, Fine to Medium SAND, Little Silt, Trace Clay (SM) A-2-5
2.9 - 3.5	Gray, Fine to Medium SAND, Trace to Little Silt (SP) A-2-4 *bulk sample taken*
3.5 - 5.0	Gray, Silty, Fine to Medium SAND, Trace Clay (SM) A-4

*One bulk sample (2.9 to 3.5 feet) was obtained for gradation and CBR testing. A Sieve Analysis test was completed on the sample in accordance with ASTM C-421. The gradation results are as follows:

Sieve Size	Sample (% Pass)
No. 4	98.9
No. 10	84.8
No.40	50.7
No. 100	21.3
No. 200	9.9

Based on these gradation results, the USCS (Unified Soil Classification System) Classification is "SP-SM" – Gray, Fine to Medium SAND, with Trace to Little Silt. AASHTO Classification A-2-4. The **CBR value** was determined to be **14.9**. The proctor and CBR graphs, with details, are attached.

Boring B-3 was drilled within a drive lane in the west parking lot. Groundwater was encountered at 4.9 feet. Mottling was encountered at 4.5 feet. Topsoil thickness was found to be 5.5 inches.

DEPTH (FT)	USCS DESCRIPTION
0.5 – 1.1	Gray, Fine Sandy SILT, Trace Clay (ML) A-4
1.1 – 2.0	Gray, SILT, Little Fine Sand, Trace Clay (ML) A-4 *bulk sample taken*
2.0 – 2.6	Gray, Silty CLAY, Trace Fine Sand (CL) A-5
2.6 – 3.9	Gray, Fine to Medium SAND, Little Clay, Trace Silt (SC) A-2-6
3.9 – 5.0	Gray, Silty, Fine to Medium SAND, Trace Clay (SM) A-4

*One bulk sample (1 to 2 feet) was obtained for Atterberg Limits and CBR testing. An Atterberg Limits test was completed on the sample in accordance with ASTM C-4318.

Liquid Limit (LL)= 22

Plastic Limit (PL)= 15

Plasticity Index (PI)= 7

Based on these results, the USCS (Unified Soil Classification System) Classification is "ML" – Gray, SILT, Little Fine Sand, with Trace Clay. AASHTO Classification A-4/A-5. The **CBR value** was determined to be **6.5**. The proctor and CBR graphs, with details, are attached.

Additionally, the native soils are very susceptible to fast and prolonged destabilization in the presence of excess moisture or repeated agitation, and are pretty impermeable. I'd suggest putting woven geotextile fabric down, at least in the drive lanes. And track in the sub-base stone layer to tension the fabric. It would be in the best interest of the contractor not to leave recently

opened up native subgrades exposed for very long. I'd suggest they not strip/open up more then they can get fabric and sub-base stone down in a day. Take it day by day like that. Keep "tire" agitation on the subgrades to a minimum. Used tracked machinery for moving material.

If you have any questions, or need any clarification, don't hesitate to give me a call at any time. Thank you.

Respectfully,



Brandon Stapleton
President
Delmarva Soil and Concrete Inspections, LLC

COMPACTION TEST

PROJECT: NORTH WORCESTER ATHLETIC COMPLEX

SAMPLE IDENT: B-2, 2.5'-3.5'

CURVE NO.: 31/23-A

MAXIMUM DRY DENSITY - PCF: 111.7

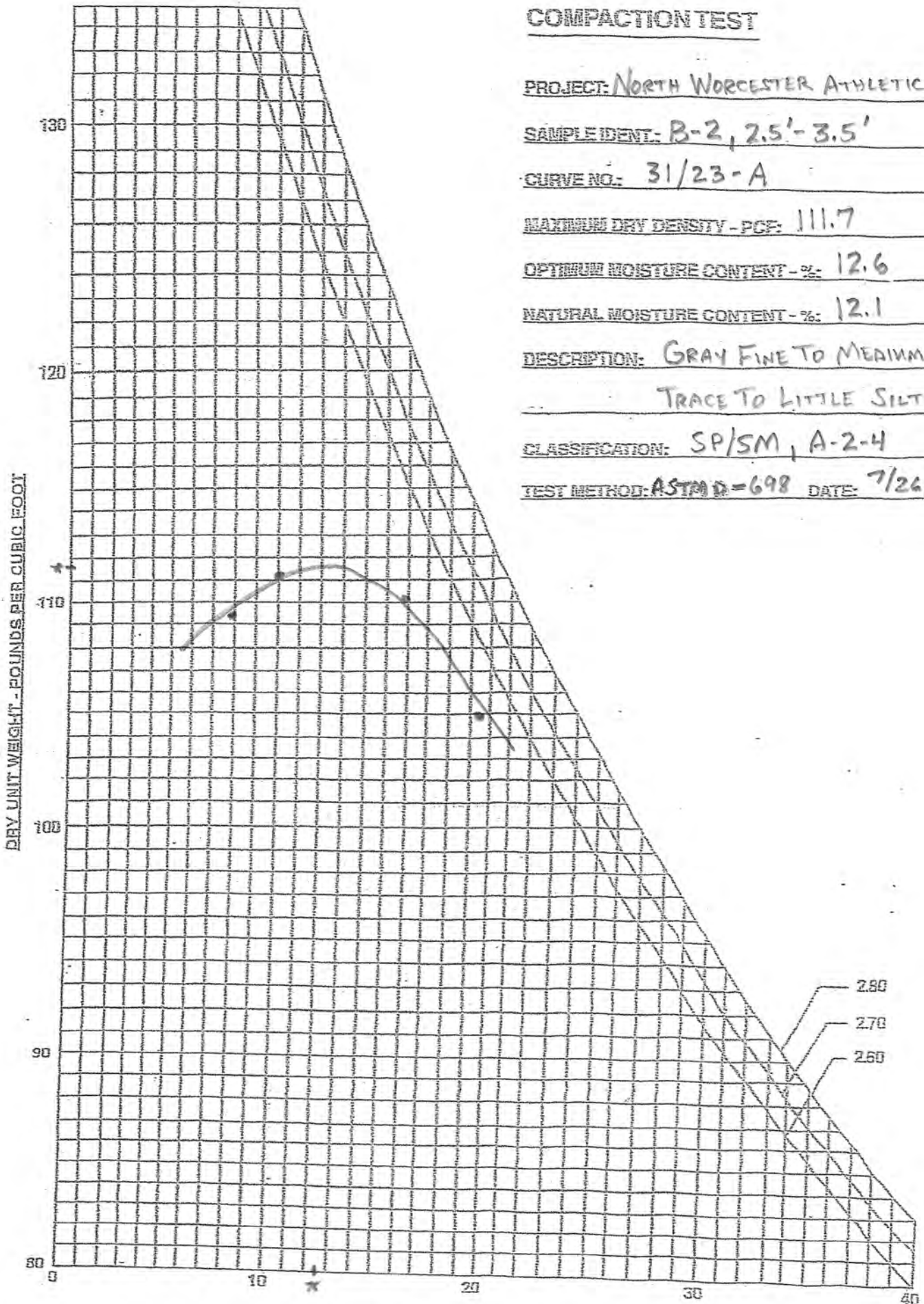
OPTIMUM MOISTURE CONTENT - %: 12.6

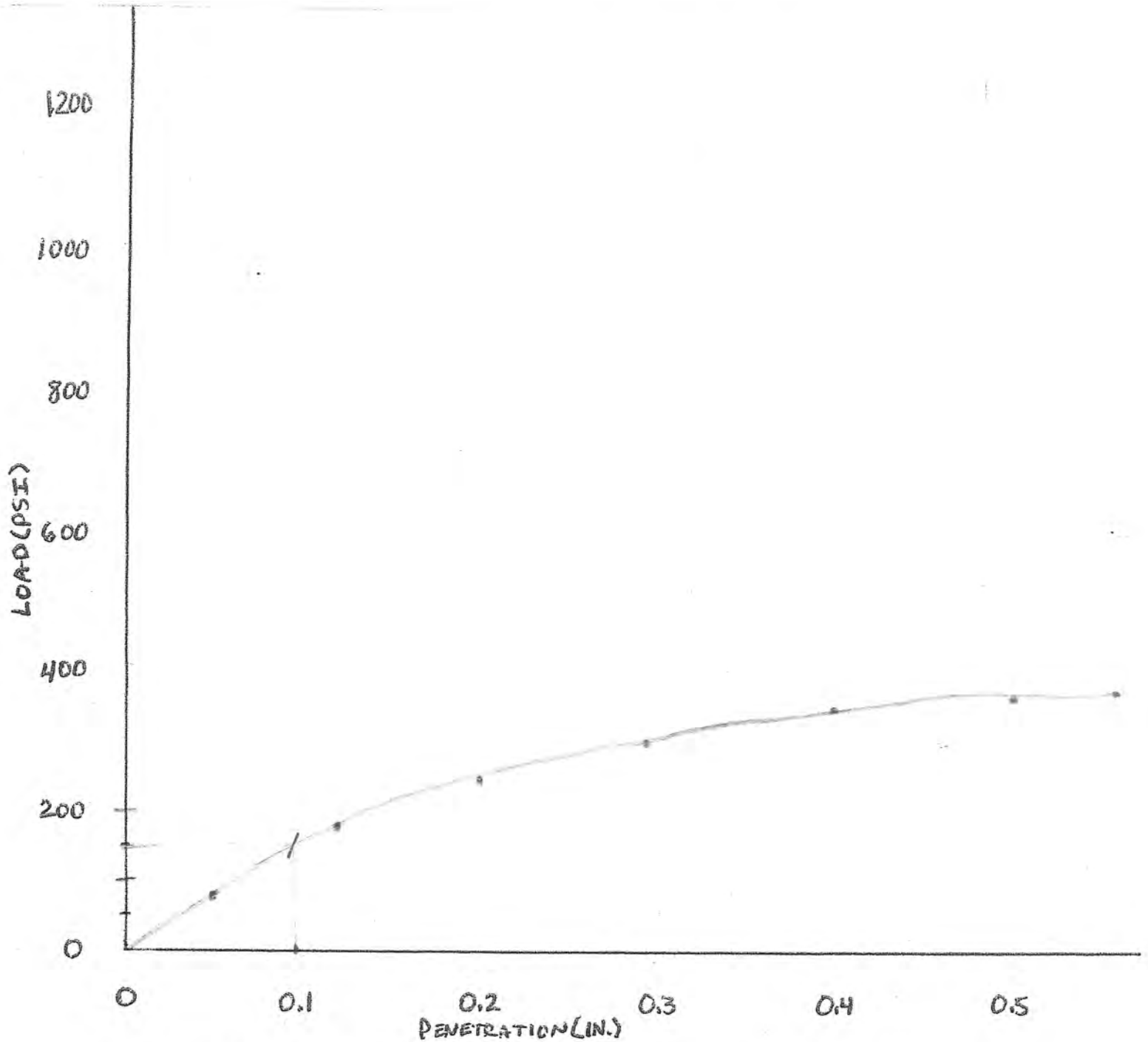
NATURAL MOISTURE CONTENT - %: 12.1

DESCRIPTION: GRAY FINE TO MEDIUM SAND,
TRACE TO LITTLE SILT

CLASSIFICATION: SP/SM, A-2-4

TEST METHOD: ASTM D-698 DATE: 7/26/23





CBR AT 0.1" = $(149/1000) \cdot 100 = 14.9\%$ * 24 HOUR SOAK *

CONDITIONS : COMPACTED TO 95.4% OF MAXIMUM DENSITY (ASTM-D-698)
WITHIN 1% OF OPTIMUM MOISTURE. 5 LAYERS, 10 BLOWS PER

SOIL DESCRIPTION : GRAY, FINE TO MEDIUM SAND, TRACE TO LITTLE SILT
SM, A-2-4

SAMPLE LOCATION : B-2, 2.5' - 3.5'

DATE : 7/28/2023

PROJECT : NORTH WORCESTER ATHLETIC COMPLEX, NEW PARKING LOT
BERLIN, MARYLAND

COMPACTION TEST

PROJECT: NORTH WORCESTER ATHLETIC COMPLEX

SAMPLE IDENT: B-3, 1'-2'

CURVE NO.: 31/23-B

MAXIMUM DRY DENSITY - PCF: 103.4

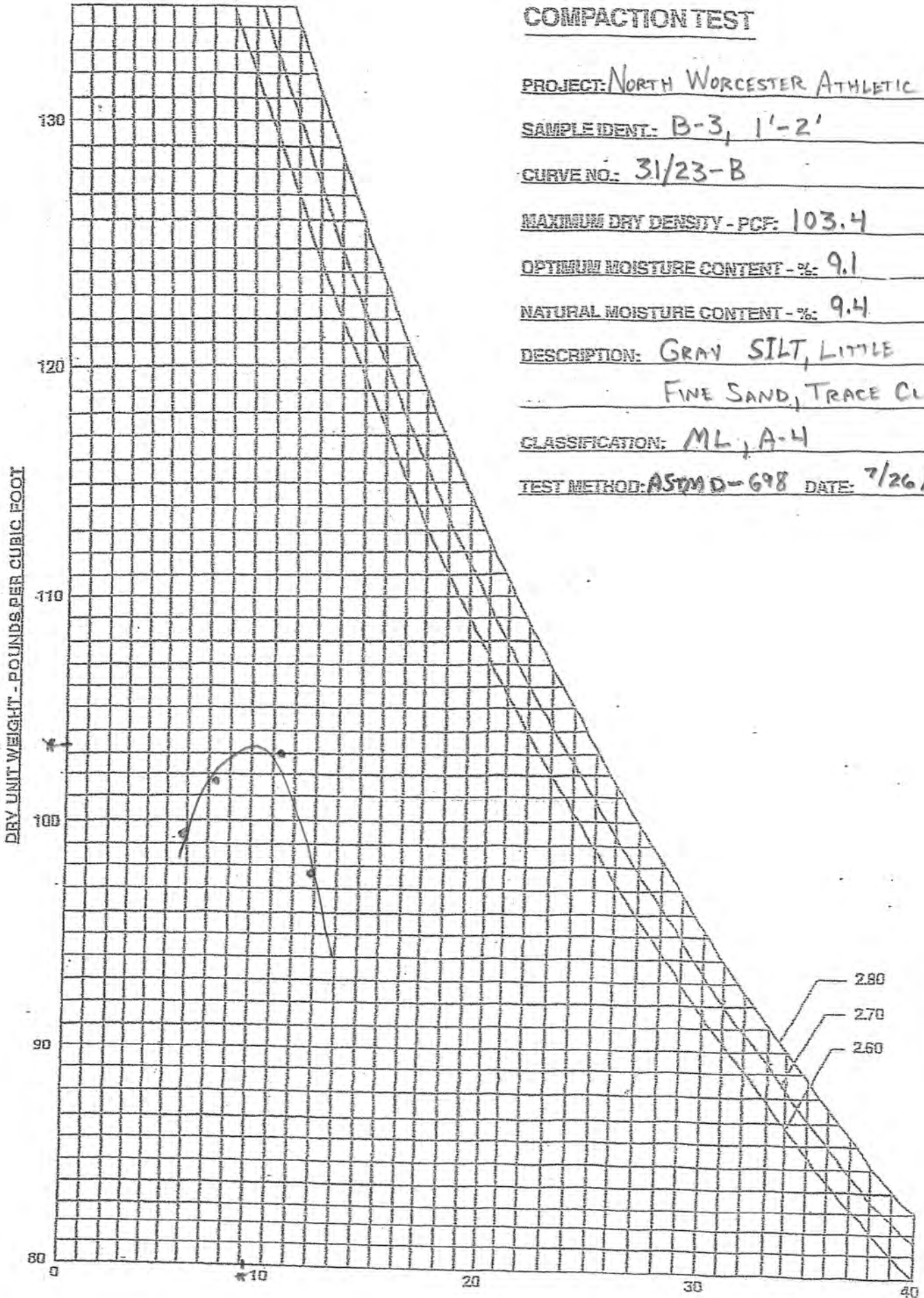
OPTIMUM MOISTURE CONTENT - %: 9.1

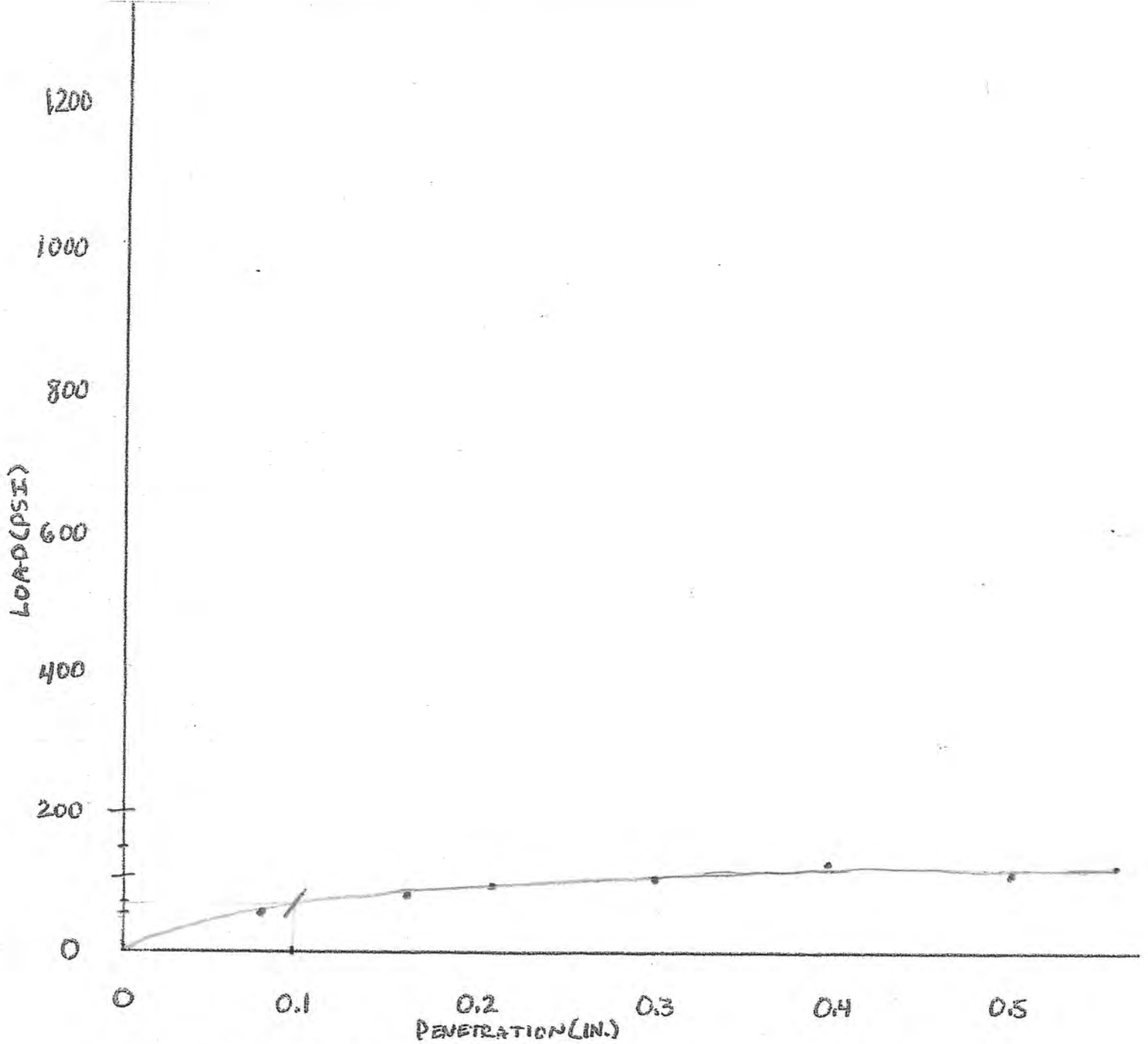
NATURAL MOISTURE CONTENT - %: 9.4

DESCRIPTION: GRAY SILT, LITTLE
FINE SAND, TRACE CLAY

CLASSIFICATION: ML, A-4

TEST METHOD: ASTM D-698 DATE: 7/26/23





CBR AT 0.1" = $(65/1000) \cdot 100 = 6.5\%$ ★ 24 Hour Soak ★

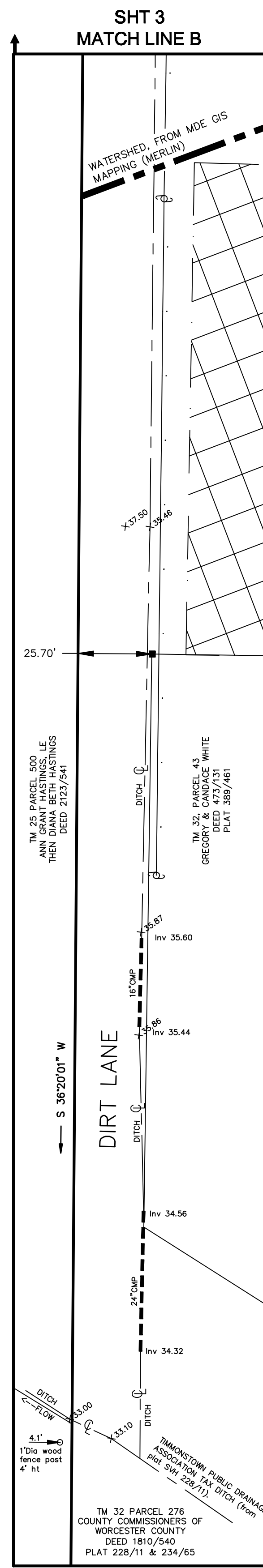
CONDITIONS : COMPACTED TO 95.9% OF MAXIMUM DRY DENSITY (ASTM-D-698)
WITHIN 0.5% OF OPTIMUM MOISTURE, 5 LAYERS, 10 BLOWS PER

SOIL DESCRIPTION : GRAY SILT, LITTLE FINE SAND, TRACE CLAY
ML, A-4

SAMPLE LOCATION : B-3, 1'-2'

DATE : 7/28/2023

PROJECT : NORTH WORCESTER ATHLETIC COMPLEX, NEW PARKING LOT
BERLIN, MARYLAND



NOTES:

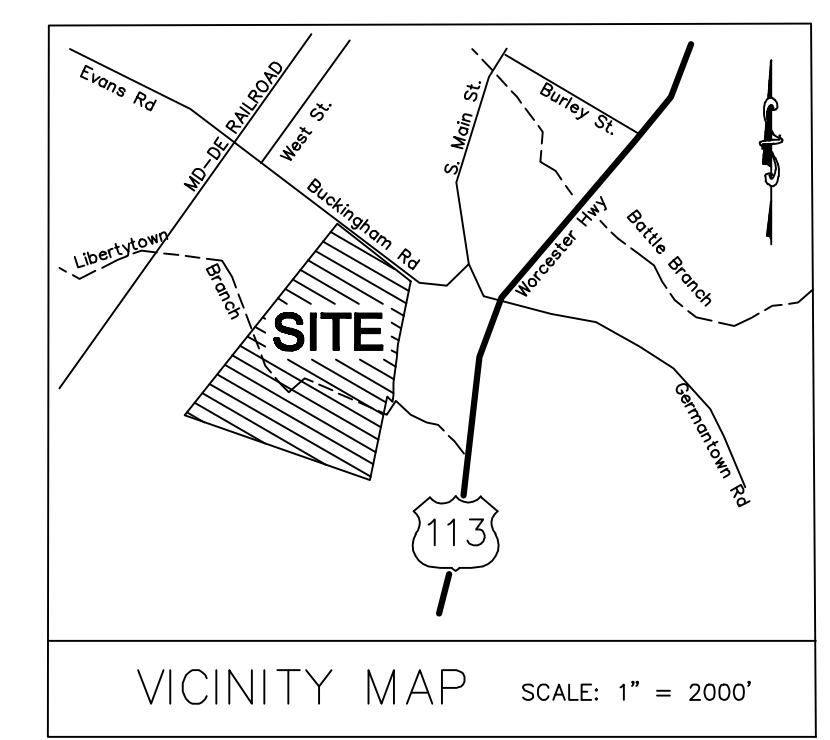
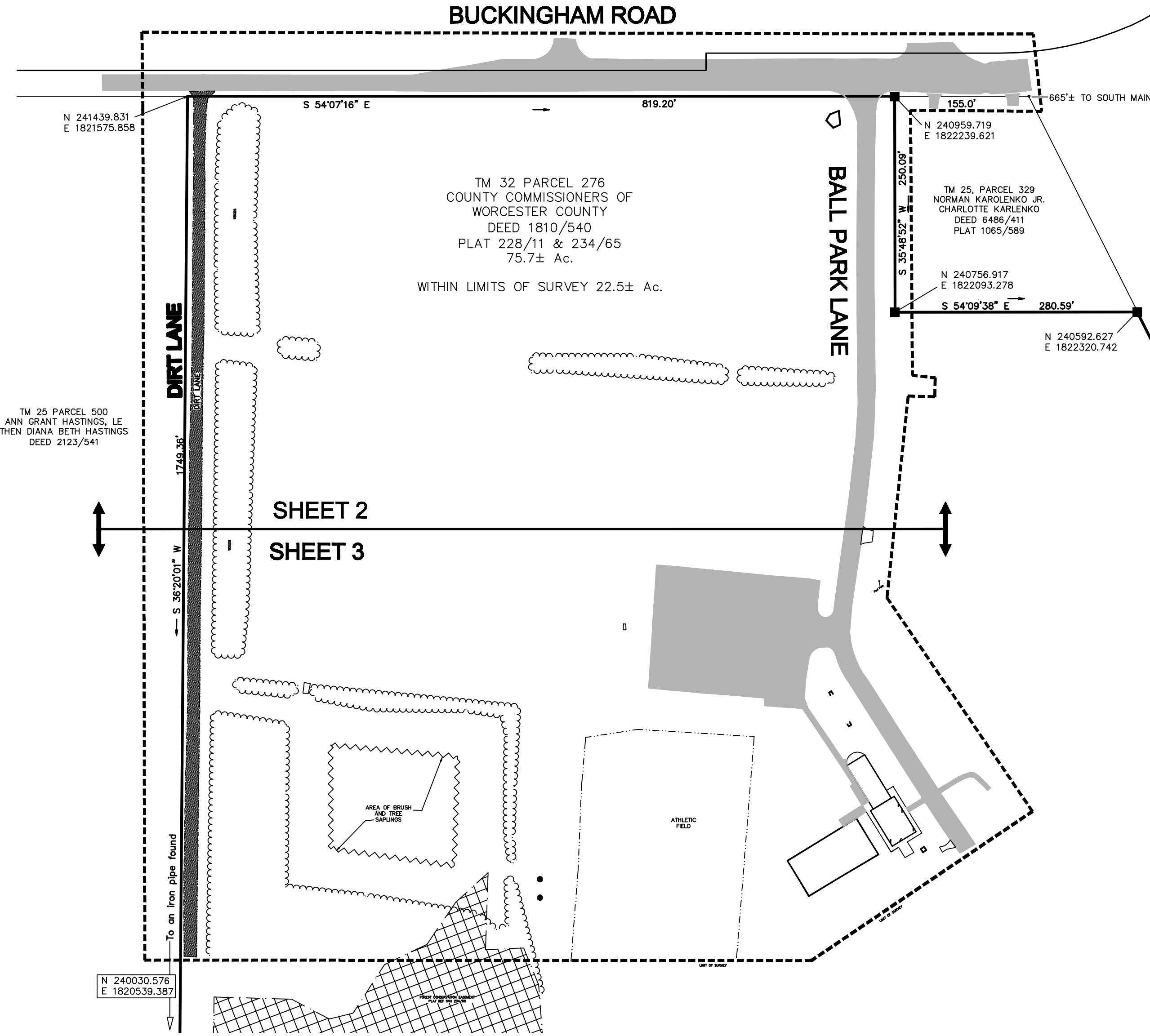
- 1) TAX MAP 32, GRID 2, PARCEL 276, WORCESTER COUNTY, MD
- 2) OWNER, DEED REFERENCE:
COUNTY COMMISSIONERS OF WORCESTER COUNTY, DEED 1810/540
1 WEST MARKET STREET, RM 1103
SNOW HILL, MD 21863
- 3) DISTRICT: 03
- 4) FLOOD INSURANCE RATE MAP FM24047C0153H, DATED JULY, 16, 2015
FLOOD ZONE "X".
- 5) VERTICAL DATUM; NAVD 88 ESTABLISHED FROM NGS STATION "SHA 85", ELEVATION 41.57 FEET.
- 6) HORIZONTAL COORDINATES ESTABLISHED BY STATIC GPS, OPUS REPORT DATED SEPTEMBER 16, 2020
DATUM_NAD83(2011)
- 7) NONTIDAL WETLANDS: NO WETLANDS FROM NATIONAL WETLANDS SITE WITHIN THE LIMITS OF SURVEY.
HOWEVER WETLANDS ARE SHOWN WITHIN THE LIMITS OF SURVEY ON PLAT ENTITLED
"FOREST CONSERVATION EASEMENT PLAT", DATED 4-13-2009, RECORDING REF. SWH 234/65
- 8) ZONED; R-1 RESIDENCE DISTRICT
- 9) YARD REQUIREMENTS (SETBACK LINES)
DWELLING:
FRONT 25'
WIDTH 10' SUM OF WIDTHS 25'
REAR 35'
CHURCHES*, SCHOOLS* DAY-CARE CENTERS*, PUBLIC UTILITY USES,3* (SEE CODE Sec.108-329.)
FRONT 35'
WIDTH VARIES (SEE CODE)
REAR VARIES (SEE CODE)

UTILITIES OPERATING AUTHORITY:

- 1) SEWER FORCE MAIN & GRINDER PUMP; BILL RODRIGUEZ
PARK SUPERINTENDENT PHONE 410-632-2144 EXT 2521
TIED INTO BERLIN WATER
JAMIE LOCHAM PHONE 410-641-3845
- 2) ELECTRIC; TOWN OF BERLIN ELECTRIC,
DIRECTOR TIM LAWRENCE PHONE 410-641-2770
- 3) WATER FROM PRIVATE WELL; BILL RODRIGUEZ
PARK SUPERINTENDENT PHONE 410-632-2144 EXT 2521

BENCH MARK LIST & HORIZONTAL CONTROL

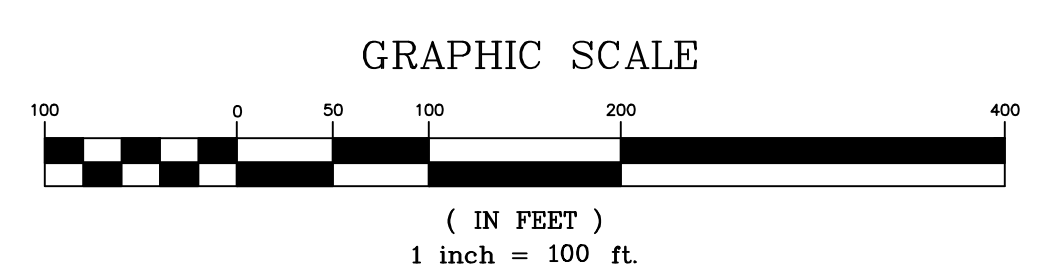
- BM-1, EL=38.88, N 240,912.598, E 1,822,133.525
Top of an iron rod with surveyors trav. cap.
- BM-2 EL=38.95, N 240,644.390, E 1,821,625.714
Top of metal access cover
- BM-3, EL=37.99, N240,205.743, E 1,821,760.047
Top of an iron rod with surveyors trav. cap.
- BM-4, EL=38.10, N240,716.886, E 1,821,050.304
Top of an iron rod with surveyors trav. cap.
- BM-5, EL=36.67, N 241,455.049, E 1,821,605.516
Top of 60d set in ground
- BM-6, EL=39.48, N 241,222.381, E 1,821,878.398
Top of 60d nail in utility pole



- LEGEND**
- X-X- = FENCE
 - U- = OVERHEAD UTILITY LINE
 - - - - = ATHLETIC FIELD EDGE
 - - - - = LIMIT OF SURVEY
 - - - - = WATERSHED DIVIDING LINE
 - - - - = WOODS LINE
 - ⊙ = GROUND LIGHT
 - ⊙ = GUY WIRE
 - ⊙ = UTILITY POLE
 - ⊙ = ATHLETIC FIELD LIGHT
 - ⊙ = ROAD SIGN
 - E- = UNDER GROUND ELECTRIC (Pointed)
 - G- = GAS PROPOANE (FIELD OBSERVATIONS)
 - SS FM- = SANITARY SEWER FORCE MAIN LINE (Pointed)
 - W- = PRIVATE WATER LINE (FROM EXHIBIT)
 - - - - = PERIMETER BOUNDARY LINE
 - ⊙ = SEWER CLEAN OUT
 - ⊙ = ELECTRIC TRANSFORMER
 - ⊙ = DOWN SPOUTS (DRAIN FROM ROOF)
 - ⊙ = 6" VERTICAL WOOD POST (24"± TALL)
 - ⊙ = EXISTING WELL
 - ⊙ = FOREST CONSERVATION EASEMENT
 - ⊙ = CONCRETE
 - ⊙ = GRAVEL OR DIRT ROAD
 - ⊙ = PAVING
 - X 23.10 = SPOT GRADES
 - - - - = EXISTING CONTOURS
 - ⊙ = CONIFEROUS TREE
 - ⊙ = DECIDUOUS TREE (6 TO 12 INCH DIA) UNLESS NOTED
 - ⊙ = CRAPE MYRTLE
 - ⊙ = COMMERCIAL SIGN
 - ⊙ = CONCRETE POST FOUND

ALL EXISTING SUBSURFACE UTILITY LOCATIONS ARE ASSUMED. ACTUAL LOCATION AND TYPE OF UTILITIES MUST BE VERIFIED PRIOR TO ANY EXCAVATION, CONSTRUCTION, OR DESIGN WORK.

**WORCESTER COUNTY
NORTHERN WORCESTER COUNTY ATHLETIC COMPLEX**



SURVEYOR'S CERTIFICATE
A licensee either personally prepared this topographic survey or was in responsible charge over its preparation and the surveying work reflected in it, all in compliance with requirements set forth in Comar Regulation 09.13.06.04
LAND SURVEYOR *Don R. Baumgartner* DATE 10/14/2020

SCALE 1" = 30'

SHEET 1 of 3

BOUNDARY LINE LOCATION and TOPOGRAPHY SURVEY FOR
COUNTY COMMISSIONERS OF WORCESTER COUNTY
9039 WORCESTER HWY., BERLIN, MD 21811

DON R. BAUMGARTNER
Land Surveyor
31618 Shavox Road
Salisbury, MD 21804
Tel: 443-783-4862
Email: Don270@verizon.net

Maryland: Professional Land Surveyor No. 601
Delaware: Professional Land Surveyor No. 553

JOB NO. 09-008-20
DATE 10/08/2020

SHEET 1 OF 3
BY: DRB SCALE: 1"=30'

BUCKINGHAM ROAD

TM 32, PARCEL 955
WORCESTER PREPARATORY SCHOOL
DEVELOPMENT CENTER
DEED 1601/392
PLAT 211/13

TM 25, PARCEL 329
NORMAN KAROLENKO JR.
CHARLOTTE KARLENKO
DEED 6486/411
PLAT 1065/589

TM 32 PARCEL 276
COUNTY COMMISSIONERS OF
WORCESTER COUNTY
DEED 1810/540
PLAT 228/11 & 234/65

S 54°07'16" E

819.20'

BALL PARK LANE
S 35°48'52" W 250.09'

S 54°09'38" E

MATCH LINE A

DIRT LANE

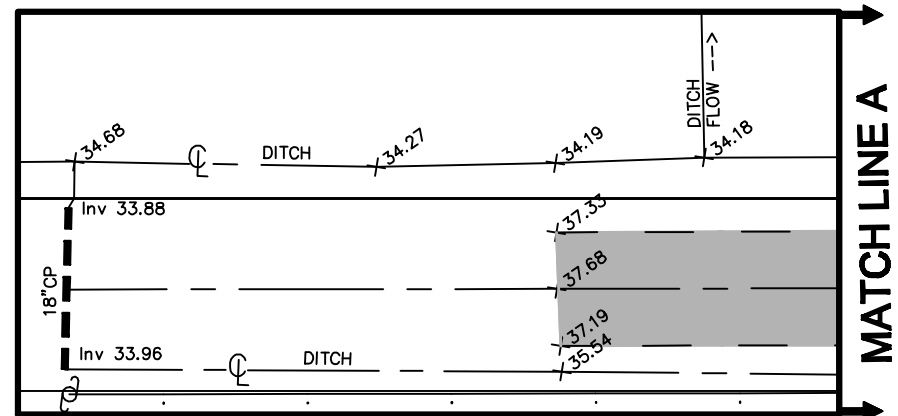
1749.36'

MATCH SHEET 3

GRAPHIC SCALE



(IN FEET)
1 inch = 30 ft.



MATCH SHEET 2

S 36°20'01" W

To an iron pipe found

MATCH LINE B
SHT 1

AREA OF BRUSH
AND TREE
SAPLINGS

ATHLETIC FIELD

PLAY GROUND EQUIPMENT

WOODS

NORTH MD GRID NAD83

