

Haverford Township - Planning Commission

Meeting: Thursday, June 12, 2025

Time: 7:00 p.m.

Location: Commissioners Meeting Room -1014 Darby Rd., Havertown PA, 19083

Members:

Maggie Dobbs, Chairperson

E. David Chanin, Vice-Chairperson

Stephen Welsh, Secretary

Angelo Capuzzi

Louis D. Montresor

Kim Juszczak

Victor Cortese

Others in Attendance:

Charles Faulkner, Pennoni Associates, Township Engineer

Jaime Jilozian, Director of Community Development

Regular Meeting Agenda

1. Opening of Meeting

Roll Call

Pledge of Allegiance

2. 380 Highland Lane, SS. Colman/John Neumann (SJCN) - Preliminary/Final Land Development Plan

D.C. Folio No. 22-05-0425-01

The applicant, St. John Neumann Parish, proposes to construct a new 3,890 square foot building addition to the existing school at the referenced property. A subsurface infiltration facility is proposed for stormwater management. The property is within the INS Institutional Zoning District. The existing school is served by public water service and sanitary sewer.

Public Comment / Citizens Forum

3. Darby & Marple Road Act 537 Special Study

Adjournment



TOWNSHIP OF
HAVERFORD

DELAWARE COUNTY
1014 DARBY ROAD
HAVERTOWN, PA 19083-2551
(610) 446-1000

JUDY TROMBETTA, PRESIDENT
KEVIN MCCLOSKEY, ESQ., VICE PRESIDENT
DAVID R. BURMAN, TWP MANAGER/SECRETARY
AIMEE CUTHBERTSON, CPA, ASST TWP MANAGER
JOHN F. WALKO, SOLICITOR
PENNONI ASSOCIATES INC., ENGINEER

WARD COMMISSIONERS
1ST WARD BRIAN D. GONDEK, ESQ.
2ND WARD SHERYL FORSTE-GRUPP, PHD.
3RD WARD KEVIN MCCLOSKEY, ESQ.
4TH WARD JUDY TROMBETTA
5TH WARD LAURA CAVENDER
6TH WARD LARRY HOLMES, ESQ.
7TH WARD CONOR QUINN
8TH WARD GERARD T. HART, MD
9TH WARD MICHAEL MCCOLLUM

May 29, 2025

HAVTT 30266

Jaime Jilozian, Director of Community Development
Haverford Township
1014 Darby Road
Havertown, PA 19083-2251

**RE: Preliminary/Final Subdivision Plan
SS. Colman/John Neumann - 380 Highland Lane**

Dear Ms. Jilozian:

As requested, we have reviewed the following prepared by Linn Architects in connection with the referenced property:

- *"Building Addition for SS. Colman-John Neumann School"* (seven sheets) dated April 25, 2025.
- *"Stormwater Management Report for SS. Colman-John Neumann School"* dated April 28, 2025.
- Supporting Documentation

The applicant, St. John Neumann Parish, proposes to construct a new addition to the existing elementary school at the referenced property. A subsurface infiltration facility is proposed for stormwater management. The property is within the INS Institutional Zoning District. The existing school is served by public water service and sanitary sewer.

The applicant has requested the following waivers:

- A partial waiver from §78-36.D(3) requiring field tests for the proposed soil conditions in the footprint of the proposed BMP as required in the PA BMP Manual.
- A partial waiver from §78-37.D(1)[a] requiring all pervious surface to be counted as meadow in good condition and 20% of all existing pervious surface to be counted as meadow.
- From §160-4.A requiring a two-step preliminary/final plan approval procedure.
- From §160-4.E(5)(1) requiring a traffic impact study for land development plans involving commercial or industrial uses.
- From §160-4.E(5)[e](4) requiring all storm, sanitary and water lines within 400 feet of the site to be depicted on the plans.
- From §160-4.E(5)[g] requiring a lighting plan for internal parking areas.
- From 160-5.B(4)[a] requiring curbs for all existing streets.
- From 160-5.B(4)[c] requiring sidewalks for all existing streets.

A HOME RULE MUNICIPALITY

- From 160-5.B(4)[f] requiring streetlights for multifamily residential areas at the discretion of the Board of Commissioners.
- From §160-5.B(5)[g] requiring all pipes to have a minimum diameter of 15 inches.
- From 160-5.B(6, 7, 8)) requiring shade trees, buffer areas, and survey monuments.
- From the Haverford Township Design Standards requiring an 8-inch reveal for curbs.

We offer the following comments:

ZONING

1. A nonconforming use of a lot or land may be extended or enlarged when authorized as a special exception by the Zoning Hearing Board and consistent with the requirements set forth in (§182-802.B(1))
2. In the case of parking lot which is accessory to a permitted use and which has facilities for three (3) or more vehicles, any boundary or property line which abuts a residential district shall be screened from the adjacent property by a buffer planting strip not less than five (5) feet in width. (§182-707.A(3)) We recognize there is existing screening in various areas; however, it appears some portions of the existing buffer could be further improved to enhance areas that are not as robust.
3. A planted visual barrier or buffer planting strip 30-feet in width shall be provided between institutional districts and a contiguous residential district. (§182-718.B(1)[a], §182-718.B(2)[c])) We recognize there is existing screening in various areas; however, it appears some portions of the existing buffer could be further improved to enhance areas that are not as robust.
4. In institutional districts there shall be a front yard landscape strip, planted and landscaped subject to the approval of the Shade Tree Commission. (§182-718.B(1)[c]) The applicant should coordinate with the Shade Tree Commission to determine if additional plantings are required in the existing front yard landscape strip.

SUBDIVISION AND LAND DEVELOPMENT

5. After submitting the preliminary plan, the applicant shall be responsible for notifying all property owners within 200 feet of the boundaries of the subject lot that a preliminary plan proposed for the subject lot has been filed, no less than 10 days prior to the first Planning Commission meeting for which the plan has been scheduled for review. (§160.4.E(7)) Notice shall be made by certified mail, return receipt requested, or by other proof of notification satisfactory to the Township. Proof of such notification shall be presented to the Planning Commission at the first meeting for which the plan has been scheduled for review. (§160.4.E(8))
6. The location, names and widths of streets, curbs and pavement (public or private), all property lines and names of owners of tracts or parcels located within 200 feet of the site should be provided, or a waiver requested. (§160-4.E(5)[e](3))
7. Curb is required to be provided for all existing streets. (§160-5.B(4)[a]) The applicant has requested a waiver from this requirement.

8. Sidewalk is required to be provided for all existing streets. (§160-5.B(4)[c]) The applicant has requested a waiver from this requirement.
9. The cartway widths for Highland Lane and Radnor Road are to be indicated on the plan. (§160-4.E(5)[e](3))
10. For any new nonresidential development involving one acre or more, land shall be required to be set aside for open space and/or parks and recreational facilities. If the tract or parcel being considered for development represents a portion of the applicant's holdings of contiguous lands, whether acquired as a single parcel or cumulatively, the provisions for reservation of land shall apply over the applicant's entire holdings. (§160-5.C(2))
11. A Sewage Facilities Planning module may be required. (§160-4.E(5)[d])
12. Signature blocks for the Township and County Planning Commission are required. (§160-4.H(1)[e])

STORMWATER MANAGEMENT

13. A Drainage Plan Application and Checklist are required to be provided. (§78-26.A(7))
14. Justification is to be provided if stormwater facilities other than green infrastructure methods and LID practices are proposed to achieve the volume, rate, and water quality requirements. (§78-26.A(6))
15. A tabulation of existing and proposed impervious surface should be provided on the plan. (§78-25.B(7))
16. Infiltration test results are required to be submitted. (§78-34.B(2)) The applicant has requested a partial waiver from this requirement to utilize prior infiltration test results. Previous test results should be included in the stormwater management report, and a note on the plan indicating that additional testing will be conducted during construction to confirm the design infiltration rate is to be provided.
17. A drainage area map is to be provided. (§78-26.A(3))
18. The invert of the proposed 8-inch outlet pipe indicated on the plan is inconsistent with the calculations.
19. Installation of the proposed stormwater management facility is to be included in the sequence of construction. (§78-26.A(4))
20. Areas proposed for infiltration are to be protected from compaction during construction. (§78-34.F(1))
21. Pretreatment is required prior to infiltration. The infiltration bed cross section and the detail for the Nyoplast drain basins should indicate a minimum 12-inch sump. (§78-36.A(1)[d])
22. The municipal signature block as set forth in §78-26.B(24) is required to be included on the plan.

23. Pipe conveyance calculations should be provided. (§78-25.A(3))
24. A BMP Maintenance Agreement shall be executed and a contribution of \$2,200.00 per lot to the Township Stormwater Control and BMP Operation and Maintenance Fund shall be made. (§78-49, §78-51)

GENERAL

25. The existing drive aisle on the west side is being reduced to 15-foot wide. The applicant should confirm this width is adequate for emergency vehicle access.
26. Appropriate signage should be added to delineate the new drive aisle is one-way.

Should you have any further questions or comments, please contact the undersigned.

Sincerely,

PENNONI

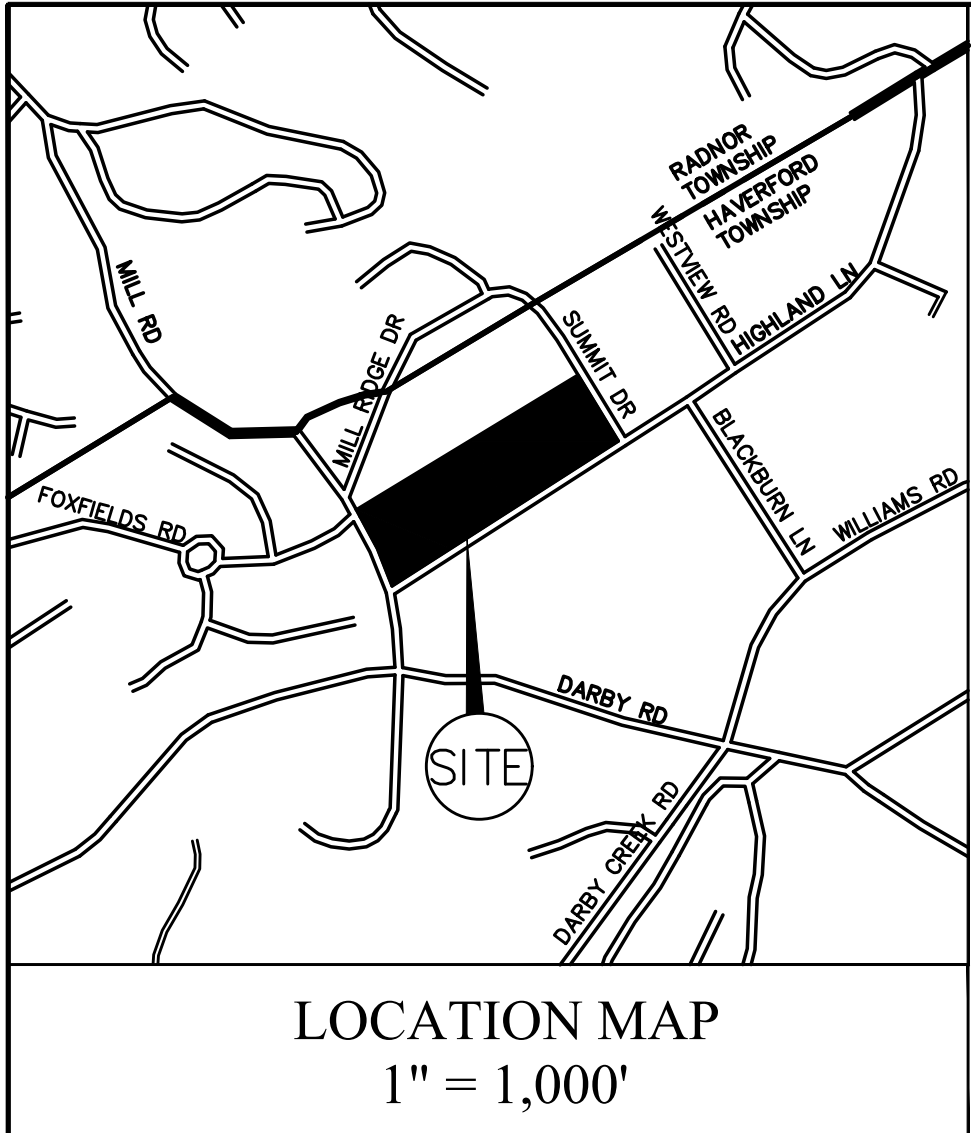


Charles Faulkner, PE
Senior Engineer

CF/brg

cc: St. John Neumann Parish
Jeff Gentile, PE, Linn Architects

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NOTES

- THIS PLAN IS BASED ON A PLAN ENTITLED "GRADING PERMIT PLANS - PROPOSED BUILDING ADDITION ST. JOHN NEUMANN PARISH" BY MOMENEE & ASSOCIATES, INC. DATED SEPTEMBER 1, 2011, LAST REVISED SEPTEMBER 25, 2012.
- BOUNDARIES BASED UPON ABOVE MENTIONED PLAN.
- ADJOINER INFORMATION TAKEN FROM CURRENT TAX RECORDS.
- UTILITY INFORMATION FROM OBSERVED SURFACE EVIDENCE. ALL UTILITY LOCATIONS AND DEPTHS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
- BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS IN ZONE 'X' OF THE FLOOD INSURANCE RATE MAP, MAP No. 42045C0039F, COMMUNITY PANEL No. 0039F, WHICH BEARS AN EFFECTIVE DATE OF NOVEMBER 18, 2009.
- SOIL DELINEATION LINES TAKEN FROM USDA NATIONAL COOPERATIVE SOIL SURVEY THROUGH THE NATURAL RESOURCES CONSERVATION SERVICE CUSTOM SOIL RESOURCE REPORT FOR THIS PROJECT DATED AUGUST 2ND, 2024.
- SITE IS SERVICED BY PUBLIC SEWER AND WATER.
- PER SURFACE EVIDENCE OBSERVED THERE ARE NO SEWAGE INFILTRATION AREAS OR WELLS IN THE VICINITY OF THE PROPOSED INFILTRATION SYSTEM.
- ALL LANDSCAPING SHOWN ON THE PLANS SHALL BE MAINTAINED AND KEPT CLEAN OF ALL DEBRIS, RUBBISH, WEEDS, AND TALL GRASS.
- THIS PLAN SET IS SUBMITTED AS PART OF THE STORMWATER MANAGEMENT REPORT FOR 'SS COLMAN-JOHN NEUMANN SCHOOL' DATED APRIL 25, 2025.
- AN EASEMENT WAS PREVIOUSLY GRANTED TO HAVSFORD TOWNSHIP TO ALLOW FOR THE INSPECTION OF THE STORMWATER FACILITY. THAT EASEMENT IS CONTINUED AS A PART OF THIS APPLICATION. IN THE EVENT THE HOMEOWNER/PROPERTY OWNER FAILS TO PROPERLY MAINTAIN THOSE FACILITIES, AFTER NOTICE TO THE OWNER OF ITS INTENT TO DO SO (WHICH NOTICE SHALL NOT BE REQUIRED IN ANY EMERGENCY), THE TOWNSHIP MAY (BUT IS NOT OBLIGATED TO) ENTER ONTO THE PROPERTY TO INSPECT AND PERFORM ANY SUCH MAINTENANCE. IN SUCH EVENT, THE TOWNSHIP MAY CHARGE THE COSTS THEREOF, WHETHER DIRECT OR INDIRECT, INCLUDING LABOR, EQUIPMENT, MATERIALS, SUPPLIES AND ANY FEES, TO THE OWNER, AND MAY PLACE A LIEN ON THE PROPERTY TO RECOVER ANY CHARGED COSTS THAT REMAIN UNREIMBURSED AND ANY COSTS OF COLLECTION, FEE AND INTEREST.

STORMWATER NOTE

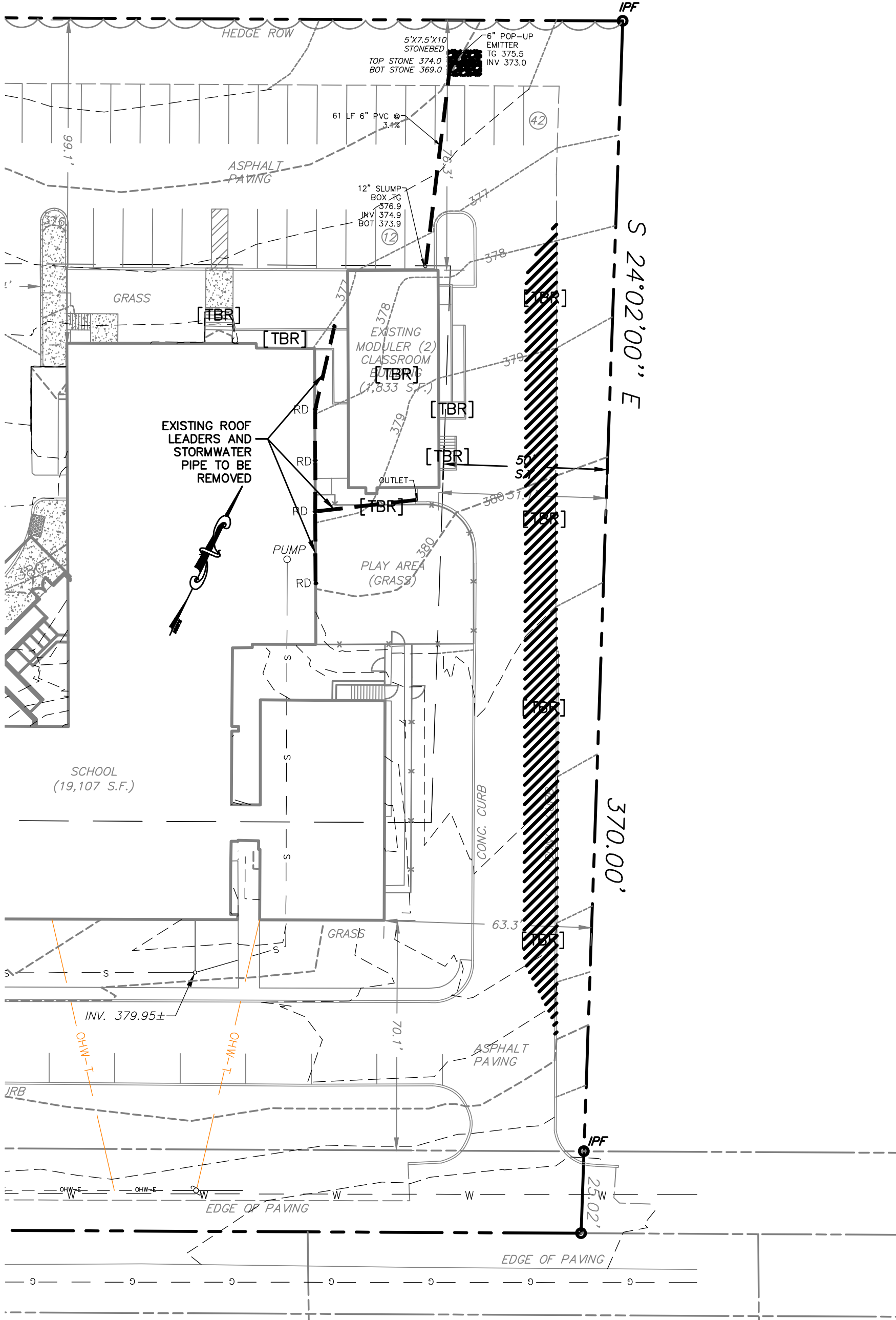
ACCORDING TO A RECORDED PLAN PREPARED BY MOMENEE AND ASSOCIATES, INC. DATED SEPTEMBER 1, 2011, THE SITE AS DESIGNED CAN ACCEPT AN ADDITIONAL 536 S.F. OF NEW IMPERVIOUS COVERAGE. THE IMPERVIOUS COVERAGE OF THE SITE FOR THE RECORDED PLAN WAS 161,141 S.F.. THEREFORE THE STORMWATER SYSTEM WAS DESIGNED TO ACCOMMODATE AN IMPERVIOUS COVERAGE OF 161,677 S.F.. THE PROPOSED SITE HAS AN IMPERVIOUS COVERAGE OF 162,214 S.F., WHICH IS 537 S.F. GREATER THAN THE STORMWATER SYSTEM WAS DESIGNED FOR. STORMWATER BMPs ARE PROPOSED TO ADDRESS THIS ADDITIONAL IMPERVIOUS COVERAGE.

PRELIMINARY/FINAL LAND DEVELOPMENT PLAN SS COLMAN-JOHN NEUMANN SCHOOL

DRAWING INDEX	
SHEET NO.	DESCRIPTION
C-1	SITE AND EXISTING CONDITIONS AND DEMOLITIONS PLAN
C-2	OVERALL EXISTING CONDITIONS PLAN
C-3	GRADING AND UTILITY PLAN
C-4	EROSION AND SEDIMENTATION CONTROL PLAN
C-5	DETAILS
C-6	DETAILS
C-7	POST CONSTRUCTION STORMWATER MANAGEMENT PLAN

WAIVERS REQUESTED

- HAVSFORD TOWNSHIP E&S SWM ORD. SECTION 78-36.D(3): REQUIRING FIELD TESTS FOR THE PROPOSED SOIL CONDITIONS IN THE FOOTPRINT OF THE PROPOSED BMP AS REQUIRED IN THE PA BMP MANUAL. THE APPLICANT IS REQUESTING A PARTIAL WAIVER FROM THIS SECTION TO COMPLETE THE STORMWATER DURING THE CONSTRUCTION PHASE. AS THE PROPOSED BMP IS UNDER A SECTION OF EXISTING ASPHALT, TESTING HAS BEEN COMPLETED ON THE SITE OVER THE PAST FEW YEARS FOR OTHER ADDITIONS AND BMPs, SO THE SWM FACILITY HAS BEEN DESIGNED WITH THESE RATES IN MIND ACCOUNTING FOR A FACTOR OF SAFETY. THE APPLICANT WILL SUBMIT SOIL TESTING AND IF NEEDED, A MODIFIED BED DESIGN TO THE TOWNSHIP FOR REVIEW PRIOR TO INSTALLATION.
- HAVSFORD TOWNSHIP E&S SWM ORD. SECTION 78-37.D(1)(a): REQUIRING ALL PERVIOUS SURFACE TO BE COUNTED AS MEADOW IN GOOD CONDITION AND 20% OF ALL EXISTING PERVIOUS SURFACE TO BE COUNTED AS MEADOW. THE APPLICANT IS REQUESTING A PARTIAL WAIVER FROM THIS SECTION FOR A PORTION OF THE DEVELOPMENT. THE EXISTING TEMPORARY TRAILER WAS INSTALLED AND COMPUTED USING THESE CALCULATIONS TO ACCEPT 1,835 S.F. OF IMPERVIOUS SURFACE. AS THIS WAS ALREADY COMPUTED AND APPROVED THE APPLICANT IS REQUESTING THIS TO CONTINUE WITH 1,800± S.F. OF THE PROPOSED BUILDING UTILIZING THIS STORMWATER INFILTRATION SYSTEM AND CONVEYANCE.
- HAVSFORD TOWNSHIP S&D ORD. SECTION 160-4.A: REQUIRING PRELIMINARY APPROVAL FROM THE TOWNSHIP PRIOR TO FINAL PLAN SUBMISSION AND APPROVAL. THE APPLICANT IS REQUESTING A WAIVER TO SUBMIT THE PLANS AS A PRELIMINARY/FINAL LAND DEVELOPMENT APPLICATION DUE TO THE SIZE AND SCOPE OF THE PROJECT.
- HAVSFORD TOWNSHIP S&D ORD. SECTION 160-4.E.5(a): REQUIRING A TRAFFIC IMPACT STUDY FOR LAND DEVELOPMENT PLANS INVOLVING COMMERCIAL OR INDUSTRIAL USES. THE APPLICANT IS REQUESTING A WAIVER TO SUBMIT THE PLANS WITHOUT A TRAFFIC IMPACT STUDY, DUE TO THE SIZE AND SCOPE OF THE PROJECT.
- HAVSFORD TOWNSHIP S&D ORD. SECTION 160-4.E.5(a)(4): REQUIRING ALL STORM, SANITARY, AND WATER LINES WITHIN 400 FEET OF THE SITE TO BE DEPICTED ON THE PLANS. THE APPLICANT IS REQUESTING A WAIVER FROM THIS SECTION DUE TO THE SIZE AND SCOPE OF THE PROJECT, AS WELL AS A LACK OF STORMWATER INFRASTRUCTURE WITHIN THE RIGHT OF WAY. ALL APPLICABLE INFRASTRUCTURE AS IT PERTAINS TO THE PROJECT ARE DEPICTED.
- HAVSFORD TOWNSHIP S&D ORD. SECTION 160-4.E.5(a): REQUIRING A LIGHTING PLAN FOR INTERNAL PARKING AREAS. DUE TO THE MINOR MODIFICATIONS WITHIN THE PARKING AREA, THE APPLICANT IS REQUESTING A WAIVER FROM THIS SECTION.
- HAVSFORD TOWNSHIP S&D ORD. SECTION 160-5.B(4)(a) and (a): REQUIRING THAT ALL EXISTING AND PROPOSED STREETS HAVE CURBS AND SIDEWALKS. THE APPLICANT IS REQUESTING A WAIVER FROM THIS SECTION DUE TO THE LACK OF EXISTING CURB AND SIDEWALK INFRASTRUCTURE ALONG HIGHLAND LANE, AS WELL AS A LACK OF STORMWATER INLETS, POTENTIALLY CREATING STORMWATER PONDING WITHIN THE RIGHT OF WAY. IN ADDITION, THIS SITE WAS APPROVED FOR LAND DEVELOPMENT IN 2011.
- HAVSFORD TOWNSHIP S&D ORD. SECTION 160-5.B(4)(f) and (a): REQUIRING STREETLIGHTING FOR ALL NON-RESIDENTIAL LAND DEVELOPMENTS. THE APPLICANT IS REQUESTING A WAIVER FROM THIS SECTION DUE TO THE ADDITION ONLY ADDING 0.6% OF BUILDING COVERAGE TO THE SITE AND THE NATURE OF THE BUILDING USE.
- HAVSFORD TOWNSHIP S&D ORD. SECTION 160-5.B(5)(a): REQUIRING ALL PIPES TO HAVE A MINIMUM OF 15 INCHES. THE APPLICANT IS REQUESTING A WAIVER FROM THIS SECTION DUE TO THE STORMWATER BEING CONVEYED THROUGH THIS PIPE TO MEET THE PEAK DISCHARGE IN THE PIPE AT THE 100 YR STORM.
- HAVSFORD TOWNSHIP S&D ORD. SECTION 160-5.B(7.8): REQUIRING SHADE TREES, BUFFER AREAS, AND SURVEY MONUMENTS. THE APPLICANT IS REQUESTING WAIVERS FROM THESE SECTIONS DUE TO THE ADDITION BEING LOCATED ON AN EXISTING APPROVED TEMPORARY STRUCTURE WITH NO SUBDIVISION.
- HAVSFORD TOWNSHIP DESIGN STANDARDS FOR CURBS: REQUIRING AN 8-INCH REVEAL FOR CURBS. THE APPLICANT IS REQUESTING A WAIVER TO ALLOW FOR A 6-INCH CURB REVEAL DUE TO THE SIZE AND SCOPE OF THE PROJECT, AND EXISTING SITE TOPOGRAPHY, AND TO EASILY EQUAL THE EXISTING CURB ON SITE.



EXISTING CONDITIONS AND DEMOLITION PLAN

SCALE: 1" = 30'

AREA AND BULK REGULATIONS INS INSTITUTIONAL ZONING DISTRICT			
USE	REQUIREMENT	EXISTING	PROPOSED
LOT AREA (GROSS)		9.16 ACRES (398,849 S.F.)	9.16 ACRES (398,849 S.F.)
LOT AREA (NET)	2 ACRES	8.39 ACRES (365,364 S.F.)	8.39 ACRES (365,364 S.F.)
IMPERVIOUS COVERAGE	40% MAX	44.6% (162,808 S.F.)*	44.4% (162,214 S.F.）**
BUILDING COVERAGE	20% MAX	14.1% (51,471 S.F.)	14.7% (53,527 S.F.)
BUILDING SETBACKS			
FRONT YARD:	100 FT. MIN	65.1 FT.(1)	65.1 FT.(1)
SIDE YARD:	50 FT. MIN	51.1 FT.	50.4 FT.
REAR YARD:	75 FT. MIN	76.3 FT.	75.8 FT.
STREET FRONTAGE	150 FT. MIN	370.0 FT.	370.0 FT.
LOT WIDTH (BUILDING LINE)	75 FT.	1,061.6 FT.	1,061.6 FT.
BUILDING HEIGHT	35 FT. MAX, 3 STORIES	>35 FT.*	>35 FT.***

*EXISTING LEGAL NON-CONFORMITY
**REDUCTION OF EXISTING LEGAL NON-CONFORMITY
***CONTINUATION OF EXISTING LEGAL NON-CONFORMITY
(1)VARIANCE GRANTED FROM §182-602 ON 03/17/2011 BY ZONING HEARING BOARD

CERTIFICATE OF REVIEW BY TOWNSHIP ENGINEER

REVIEWED BY TOWNSHIP ENGINEER FOR HAVSFORD TOWNSHIP

ENGINEER _____ DATE _____
SECRETARY (ATTEST) _____ DATE _____

CERTIFICATE FOR APPROVAL BY BOARD OF COMMISSIONERS

APPROVED BY RESOLUTION OF THE HAVSFORD TOWNSHIP BOARD OF COMMISSIONERS THIS _____ DAY OF _____ 20____

PRESIDENT _____ DATE _____

PARKING COUNT

EXISTING CHURCH - 8,265 S.F./60 S.F. = 138 SPACES
EXISTING RECTORY - 3,335 S.F./1,000 S.F. = 4 SPACES
EXISTING KINDERGARTEN - 2,645 S.F./600 S.F. = 5 SPACES
EXISTING SCHOOL (INCLUDING SECOND STORY) - 47,827 S.F./1,000 S.F. = 48 SPACES
PROPOSED ADDITION - 3,890 S.F./1,000 S.F. = 4 SPACES
PROPOSED REQUIRED PARKING - 199 SPACES

EXISTING PARKING PROVIDED = 198 SPACES
PROPOSED PARKING PROVIDED = 202 SPACES

CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES THREE (3) WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND TEN (10) WORKING DAYS FOR DESIGN STAGE. UTILITY INFORMATION IDENTIFIED THROUGH THE ONE-CALL PROCESS IS VALID FOR 90 DAYS FROM THE DATE OF THE CALL.

Pennsylvania One Call System, Inc.

800-242-1776

SERIAL # 20250921915
ONE-CALL DATE: 04/02/2025

CERTIFICATION OF OWNER AND ACKNOWLEDGEMENT OF LAND DEVELOPMENT PLANS

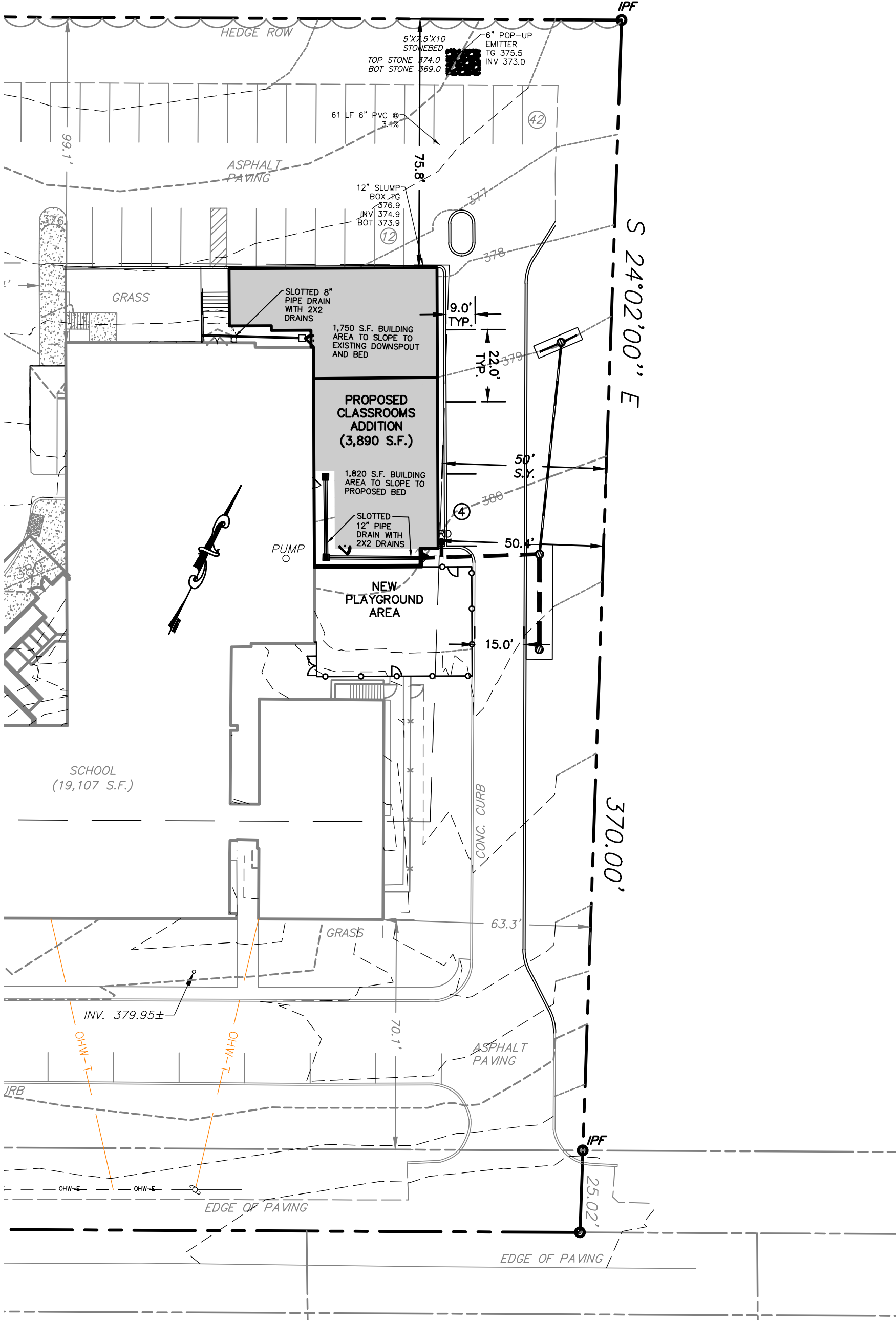
ON THIS, THE _____ DAY OF _____, 20____, BEFORE ME, THE UNDERSIGNED OFFICER, PERSONALLY APPEARED _____ WHO BEING DULY SWORN ACCORDING TO THE LAW, DEPOSES AND SAYS THAT HE/SHE IS THE OWNER OF THE PROPERTY SHOWN ON THIS PLAN, AND THAT HE/SHE ACKNOWLEDGES THE SAME TO BE HIS/HER ACT AND PLAN AND DESIRES THE SAME RECORDED AS SUCH ACCORDING TO LAW.

WITNESS MY HAND AND SEAL THE DAY AND DATE ABOVE WRITTEN.

MY COMMISSION EXPIRES: _____

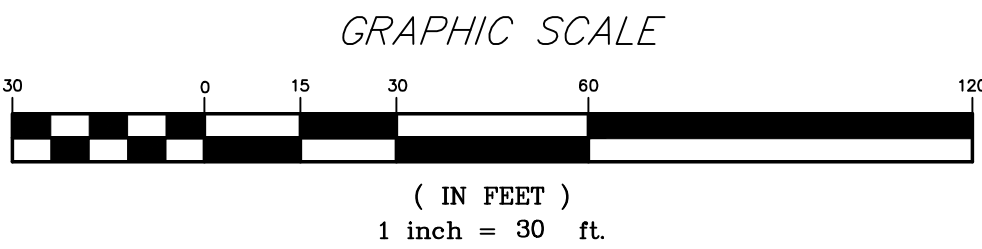
SIGNATURE OF OWNER _____ NOTARY PUBLIC OR OTHER OFFICER

SIGNATURE OF OWNER _____



SITE PLAN

SCALE: 1" = 30'



LEGEND	
EXISTING	PROPOSED
CONCRETE CURB	CONCRETE CURB
CONC. SIDEWALK	CONC. SIDEWALK
FENCELINE	FENCELINE
RIGHT OF WAY	RIGHT OF WAY
PROPERTY LINE	PROPERTY LINE
IRON PIN	IRON PIN
MONUMENT	MONUMENT
SIGN	SIGN

CHAPTER 93 CLASSIFICATION:

THE PROJECT SITE DRAINS TO MEADOWBROOK RUN, A NAMED TRIBUTARY OF DARBY CREEK. CHAPTER 93 CLASSIFICATION IS CWF, MF.

LAND DEVELOPMENT STATEMENT OF INTENT

THE PURPOSE OF THIS PLAN IS TO SHOW THE REQUIREMENTS NECESSARY TO CONSTRUCT A CLASSROOM ADDITION FOR THE SS COLMAN-JOHN NEUMANN SCHOOL. THE PLAN INCLUDES IMPROVEMENTS ASSOCIATED WITH THE PROPOSED ADDITION SUCH AS GRADING, LANDSCAPING, AND STORMWATER MANAGEMENT FACILITIES.

SOILS TABLE

(FROM UNITED STATES DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE)

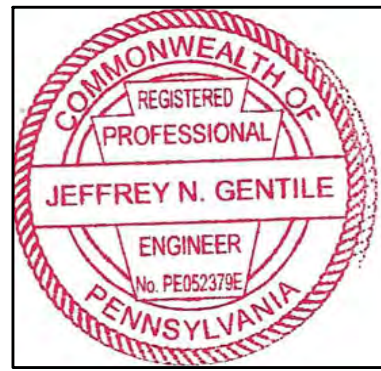
SOIL TYPE: GJB-Glenelg channery loam
DRAINAGE CLASS: Well Drained
SLOPE RANGE: 3-8
HYDROLOGIC GROUP: C
BEDROCK DEPTH: 40-51 inches to paralithic bedrock
SEASONAL WATER TABLE: >80 inches
FLOODING POTENTIAL: None
PROFILE PERMEABILITY: Moderately low

SOIL TYPE: GwB-Glenelg-Wheaton complex
DRAINAGE CLASS: Well Drained
SLOPE RANGE: 0-8
HYDROLOGIC GROUP: C
BEDROCK DEPTH: 40-51 inches to paralithic bedrock
SEASONAL WATER TABLE: >80 inches
FLOODING POTENTIAL: None
PROFILE PERMEABILITY: Moderately low

OWNER
ST. JOHN NEUMANN PARISH
380 HIGHLAND LANE
BRYN MAWR, PA 19010

SITE INFORMATION
380 HIGHLAND LN
TAX MAP: 22-05-070-000
FOLIO: 22-05-00425-01
DB/PG: UNKNOWN

DELAWARE COUNTY PLANNING COMMISSION



ARCHITECTS

ARCHITECTURE

ENGINEERING

SITE PLANNING

INTERIOR DESIGN

140 N. PROVIDENCE ROAD
MEDIA, PENNSYLVANIA 19063
TEL: 610-566-7044
FAX: 610-566-3258

REVISIONS		DATE	
NO.	DESCRIPTION	NO.	DESCRIPTION
1			
2			
3			
4			

REVISIONS		DATE	
NO.	DESCRIPTION	NO.	DESCRIPTION
1			
2			
3			
4			

DATE: 04/25/2025

SCALE: 1"=30'

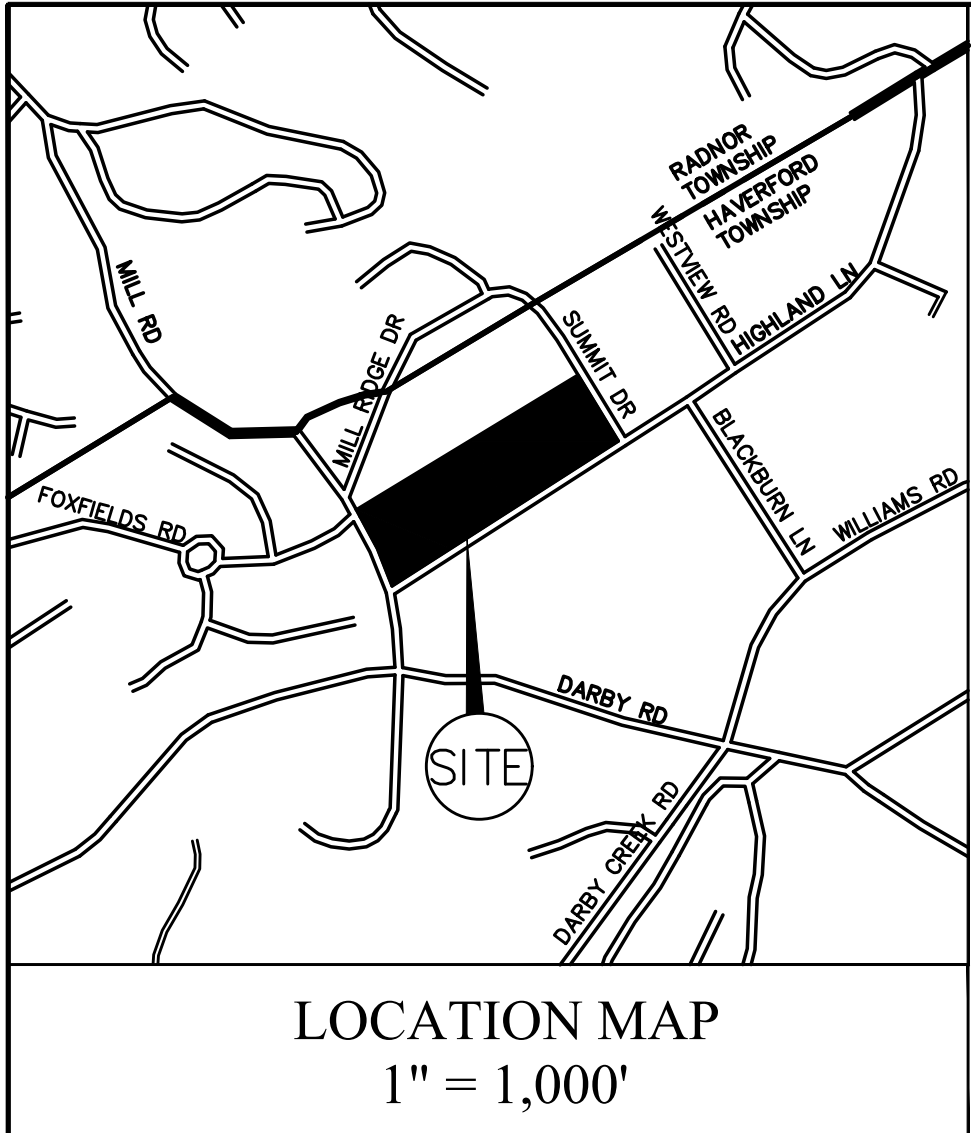
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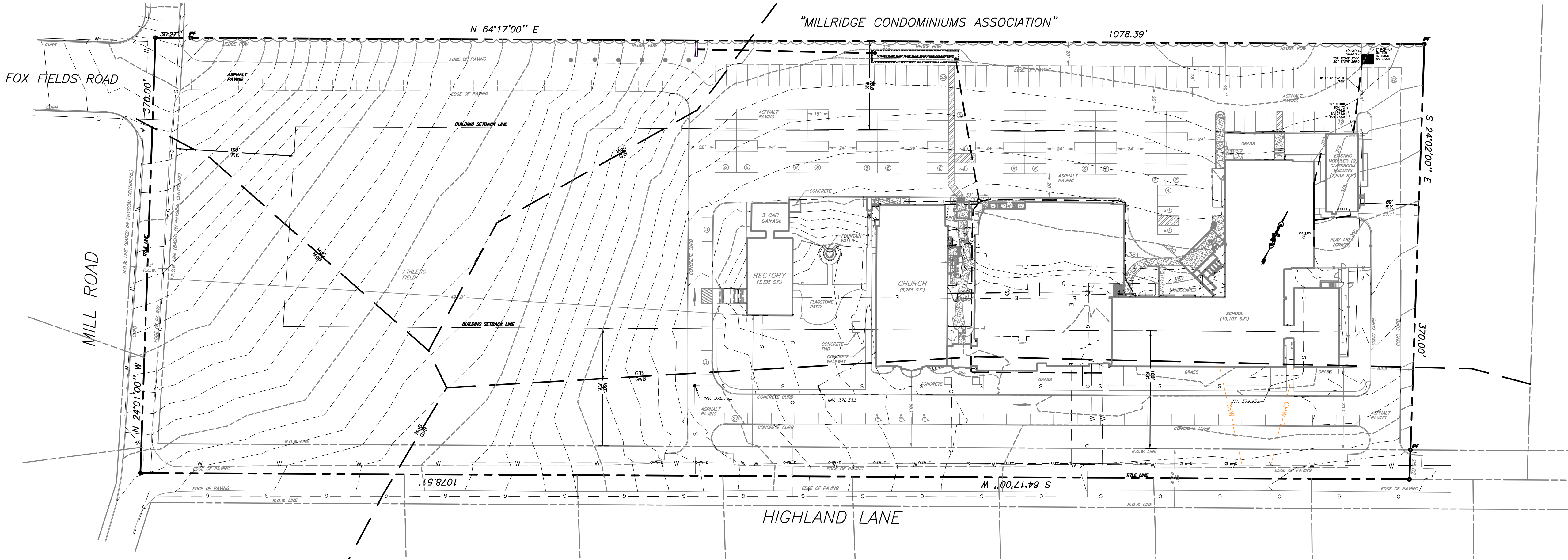
PROJ. NO.: 25114

SHEET NO. 7

C-1



- NOTES**
1. THIS PLAN IS BASED ON A PLAN ENTITLED "GRADING PERMIT PLANS - PROPOSED BUILDING ADDITION ST. JOHN NEUMANN PARISH" BY MOMENEE & ASSOCIATES, INC. DATED SEPTEMBER 1, 2011, LAST REVISED SEPTEMBER 25, 2012.
 2. BOUNDARIES BASED UPON ABOVE MENTIONED PLAN.
 3. ADJOINER INFORMATION TAKEN FROM CURRENT TAX RECORDS.
 4. UTILITY INFORMATION FROM OBSERVED SURFACE EVIDENCE. ALL UTILITY LOCATIONS AND DEPTHS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
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 6. SOIL DELINEATION LINES TAKEN FROM USDA NATIONAL COOPERATIVE SOIL SURVEY THROUGH THE NATURAL RESOURCES CONSERVATION SERVICE CUSTOM SOIL RESOURCE REPORT FOR THIS PROJECT DATED AUGUST 2ND, 2024.
 7. SITE IS SERVICED BY PUBLIC SEWER AND WATER.



OVERALL EXISTING CONDITIONS PLAN
SCALE: 1" = 50'

LEGEND	
	CONCRETE CURB
	CONC. SIDEWALK
	FENCELINE
	CONTOURS
	RIGHT OF WAY
	PROPERTY LINE
	SIGN
	IRON PIN
	MONUMENT
	SANITARY SEWER W/ M.H.
	WATER LINE
	GAS LINE
	GAS VALVE
	WATER VALVE
	CLEAN-OUT
	FIRE HYDRANT
	OVERHEAD WIRE
	UTILITY POLE
	AREA OF DEMOLITION
	ITEM TO BE REMOVED

DEMOLITION NOTE
BUILDINGS, PAVEMENT, CURBING, TREES, LIGHTS, TRANSFORMERS, POLES, CONCRETE PADS, DRAINAGE PIPING AND OTHER OBJECTS INTERFERING WITH THE SITE IMPROVEMENTS SHALL BE REMOVED AND DISPOSED OF PROPERLY. ALSO ALL UTILITIES SERVICES TO AND ON THE SITE SHALL BE PERMANENTLY TERMINATED OR TEMPORARILY SHUT OFF IN ACCORDANCE WITH UTILITY COMPANY OR AUTHORITY REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR ANY AND ALL DEMOLITION, INCLUDING HAZARDOUS MATERIAL IN ACCORDANCE WITH PADEP REQUIREMENTS. ALL MATERIALS AND WASTES SHALL BE DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET. SEQ. AND 287.1 ET. SEQ.

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES THREE (3) WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND TEN (10) WORKING DAYS FOR DESIGN STAGE. UTILITY INFORMATION IDENTIFIED THROUGH THE ONE-CALL PROCESS IS VALID FOR 90 DAYS FROM THE DATE OF THE CALL.
Pennsylvania One Call System, Inc.
800-242-1776
SERIAL# 20250921915
ONE-CALL DATE: 04/02/2025

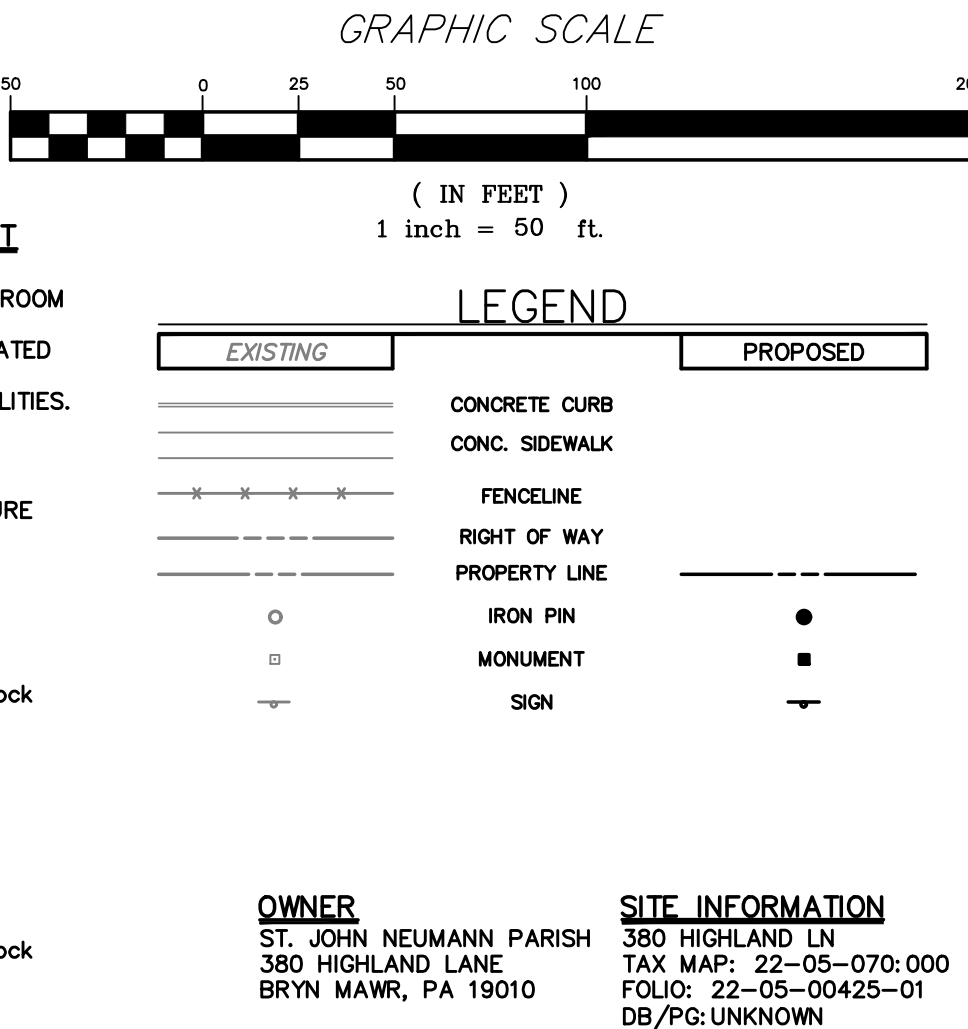
CHAPTER 93 CLASSIFICATION:
THE PROJECT SITE DRAINS TO MEADOWBROOK RUN, A NAMED TRIBUTARY OF DARBY CREEK, CHAPTER 93 CLASSIFICATION IS CWF, MF.

LAND DEVELOPMENT STATEMENT OF INTENT
THE PURPOSE OF THIS PLAN IS TO SHOW THE REQUIREMENTS NECESSARY TO CONSTRUCT A CLASSROOM ADDITION FOR THE SS COLMAN-JOHN NEUMANN SCHOOL. THE PLAN INCLUDES IMPROVEMENTS ASSOCIATED WITH THE PROPOSED ADDITION SUCH AS GRADING, LANDSCAPING, AND STORMWATER MANAGEMENT FACILITIES.

SOILS TABLE
(FROM UNITED STATES DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE)

SOIL TYPE: GbB-Glenelg channery loam
DRAINAGE CLASS: Well Drained
SLOPE RANGE: 3-8
HYDROLOGIC GROUP: C
BEDROCK DEPTH: 40-51 inches to parallel bedrock
SEASONAL WATER TABLE:>80 inches
FLOODING POTENTIAL: None
PROFILE PERMEABILITY: Moderately low

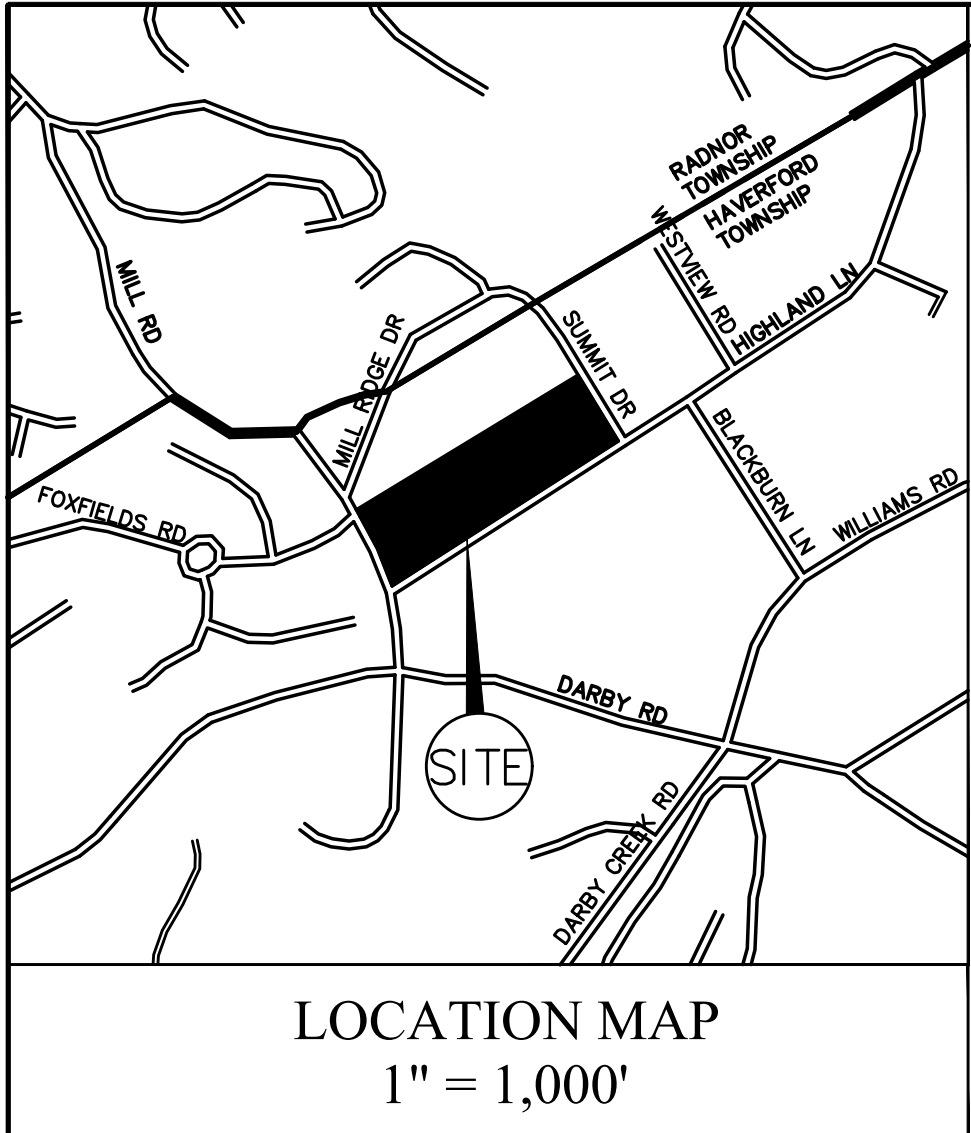
SOIL TYPE: GwB-Glenelg-Wheaton complex
DRAINAGE CLASS: Well Drained
SLOPE RANGE: 0-8
HYDROLOGIC GROUP: C
BEDROCK DEPTH: 40-51 inches to parallel bedrock
SEASONAL WATER TABLE:>80 inches
FLOODING POTENTIAL: None
PROFILE PERMEABILITY: Moderately low



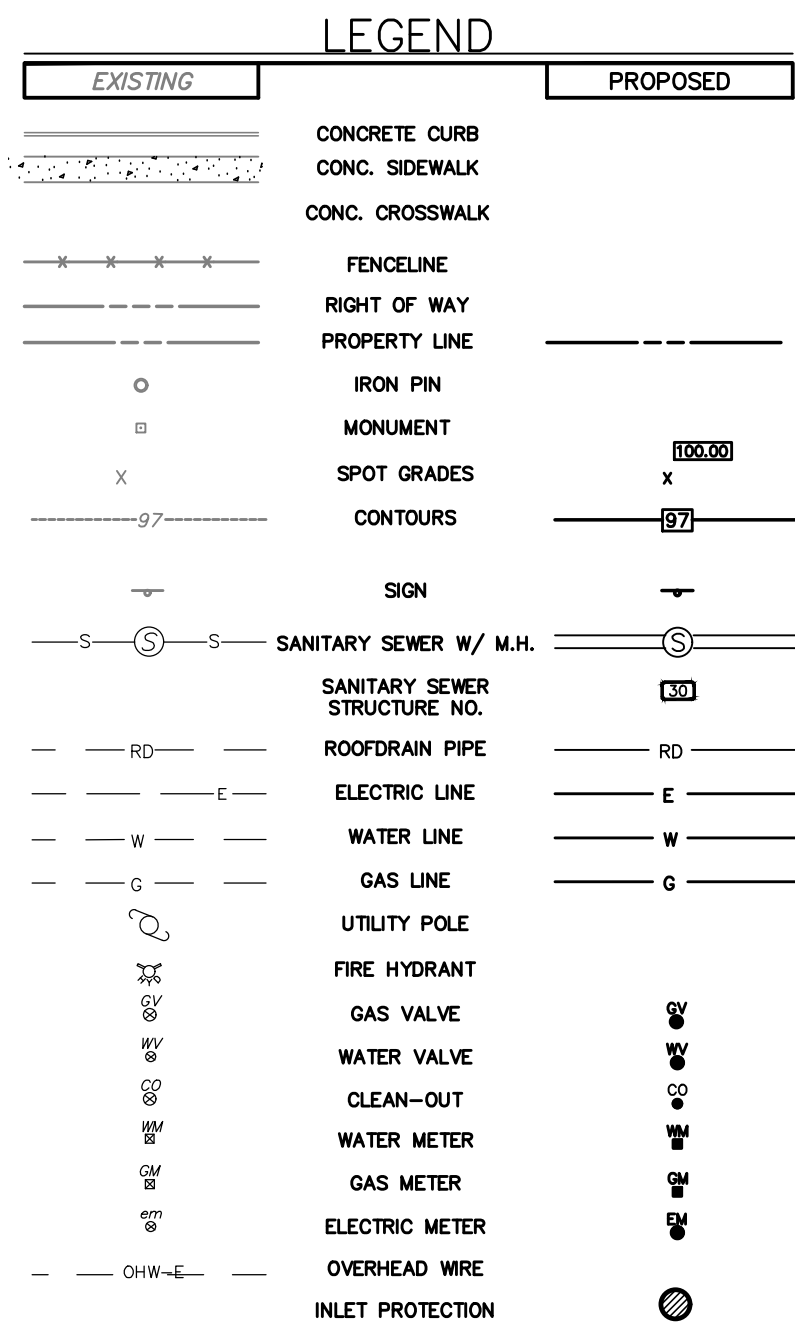
OWNER
ST. JOHN NEUMANN PARISH
380 HIGHLAND LANE
BRYN MAWR, PA 19010

SITE INFORMATION
380 HIGHLAND LN
TAX MAP: 22-05-070:000
FOLIO: 22-05-00425-01
DB/Pg: UNKNOWN

		ARCHITECTS		140 N. PROVIDENCE ROAD MEDIA, PENNSYLVANIA 19063 TEL: 610-566-7044 FAX: 610-566-3258	
ARCHITECTURE		ENGINEERING		SITE PLANNING	
INTERIOR DESIGN		REVISIONS		OVERALL EXISTING CONDITIONS PLAN	
NO.		DESCRIPTION		DATE	
1		BUILDING ADDITION FOR			
2		SS. COLMAN-JOHN NEUMANN SCHOOL			
3		380 HIGHLAND LANE			
4		HAVERFORD TOWNSHIP		DELAWARE COUNTY, PA	
DATE: 04/25/2025		SCALE: 1"=50'		DRAWN BY: 2	
CHECKED BY: 3		PROJ. NO.: 2514		SHEET 2 OF 7	



- NOTES**
- THIS PLAN IS BASED ON A PLAN ENTITLED "GRADING PERMIT PLANS - PROPOSED BUILDING ADDITION ST. JOHN NEUMANN PARISH" BY MOMENEE & ASSOCIATES, INC. DATED SEPTEMBER 1, 2011, LAST REVISED SEPTEMBER 25, 2012.
 - BOUNDARIES BASED UPON ABOVE MENTIONED PLAN.
 - ADJOINER INFORMATION TAKEN FROM CURRENT TAX RECORDS.
 - UTILITY INFORMATION FROM OBSERVED SURFACE EVIDENCE. ALL UTILITY LOCATIONS AND DEPTHS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 - BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS IN ZONE "X" OF THE FLOOD INSURANCE RATE MAP, MAP No. 42045C0039F, COMMUNITY PANEL No. 0039F, WHICH BEARS AN EFFECTIVE DATE OF NOVEMBER 18, 2009.
 - SOIL DELINEATION LINES TAKEN FROM USDA NATIONAL COOPERATIVE SOIL SURVEY THROUGH THE NATURAL RESOURCES CONSERVATION SERVICE CUSTOM SOIL RESOURCE REPORT FOR THIS PROJECT DATED AUGUST 2ND, 2024.
 - SITE IS SERVICED BY PUBLIC SEWER AND WATER.
 - PER SURFACE EVIDENCE OBSERVED THERE ARE NO SEWAGE INFILTRATION AREAS OR WELLS IN THE VICINITY OF THE PROPOSED INFILTRATION SYSTEM.
 - ALL LANDSCAPING SHOWN ON THE PLANS SHALL BE MAINTAINED AND KEPT CLEAN OF ALL DEBRIS, RUBBISH, WEEDS, AND TALL GRASS.
 - THIS PLAN SET IS SUBMITTED AS PART OF THE STORMWATER MANAGEMENT REPORT FOR 'SS COLMAN-JOHN NEUMANN SCHOOL' DATED APRIL 25, 2025.
 - AN EASEMENT WAS PREVIOUSLY GRANTED TO HAVERFORD TOWNSHIP TO ALLOW FOR THE STORMWATER FACILITY. THAT EASEMENT IS CONTINUED AS A PART OF THIS APPLICATION. IN THE EVENT THE HOMEOWNER/PROPERTY OWNER FAILS TO PROPERLY MAINTAIN THOSE FACILITIES, AFTER NOTICE TO THE OWNER OF ITS INTENT TO DO SO (WHICH NOTICE SHALL NOT BE REQUIRED IN ANY EMERGENCY), THE TOWNSHIP MAY (BUT IS NOT OBLIGATED TO) ENTER ONTO THE PROPERTY TO INSPECT AND PERFORM ANY SUCH MAINTENANCE. IN SUCH EVENT, THE TOWNSHIP MAY CHARGE THE COSTS THEREOF, WHETHER DIRECT OR INDIRECT, INCLUDING LABOR, EQUIPMENT, MATERIALS, SUPPLIES AND ANY FEES, TO THE OWNER, AND MAY PLACE A LIEN ON THE PROPERTY TO RECOVER ANY CHARGED COSTS THAT REMAIN UNREIMBURSED AND ANY COSTS OF COLLECTION, FEE AND INTEREST.

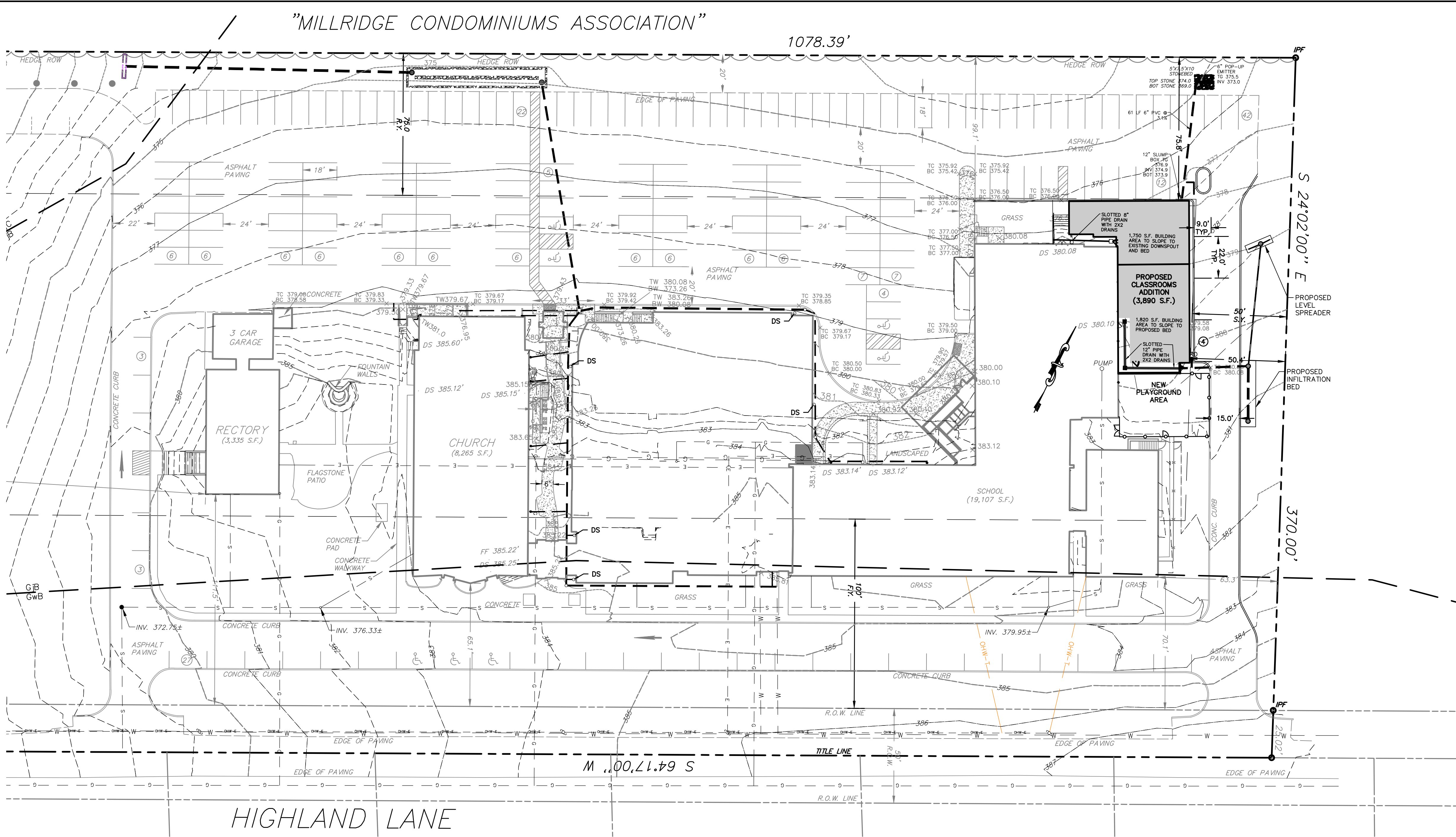


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THE PROJECT SITE DRAINS TO MEADOWBROOK RUN, A NAMED TRIBUTARY OF DARBY CREEK. CHAPTER 93 CLASSIFICATION IS CWF, MF.

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THE PURPOSE OF THIS PLAN IS TO SHOW THE REQUIREMENTS NECESSARY TO CONSTRUCT A CLASSROOM ADDITION FOR THE SS COLMAN-JOHN NEUMANN SCHOOL. THE PLAN INCLUDES IMPROVEMENTS ASSOCIATED WITH THE PROPOSED ADDITION SUCH AS GRADING, LANDSCAPING, AND STORMWATER MANAGEMENT FACILITIES.

OWNER
ST. JOHN NEUMANN PARISH
380 HIGHLAND LN
BRYN MAWR, PA 19010

SITE INFORMATION
TAX MAP: 22-05-070-000
FOLIO: 22-05-00425-01
DB/PG: UNKNOWN



SEEDING SPECIFICATIONS

TEMPORARY MEASURES:
PREPARATIONS - APPLY 1 TON PER ACRE OF AGRICULTURAL GRADE LIME (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDES) TO ESTABLISH A PH OF 6.5 TO 6.8
APPLY FERTILIZER @ 150 LBS. PER ACRE USING 10-20-20 OR EQUIVALENT.

SEEDING - APPLY 50% ANNUAL RYEGRASS AND 50% WINTER RYEGRASS AT A RATE OF 10 LBS. PER 1,000 SQUARE FEET. MULCH TEMPORARY SEEDING AT A RATE OF 3 TONS PER ACRE. DURING NON-GERMINATION PERIODS APPLY A TACKING AGENT WITH THE MULCH.

PERMANENT MEASURES:
PREPARATIONS - APPLY 4 TONS PER ACRE OF AGRICULTURAL GRADE LIME (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDES) TO ESTABLISH A PH OF 6.5 TO 6.8
APPLY FERTILIZER @ 930 LBS. PER ACRE USING 10-20-20 OR EQUIVALENT.

SEEDING - 10% PERENNIAL RYEGRASS, 60% KENTUCKY 31 TALL FESCUE, AND 30% REDTOP AT A RATE OF 220 LBS. PER ACRE. MULCH AT A RATE OF 3 TONS PER ACRE. APPLY JUTE NETTING WITH PEGS AT 4 FOOT INTERVALS INTERLACED WITH TWINE ON ALL SLOPES EXCEEDING 4:1.

APPLIED 100-200 LB PER ACRE, OR 3-5 LB PER 1000 S.F.

- SEED ALL AREAS DISTURBED BY CONSTRUCTION NOT OTHERWISE CONTAINING PLANTING BEDS, SIDEWALKS, BUILDINGS, ETC.
- BEFORE SEEDING, CONTRACTOR SHALL PROVIDE SOIL TESTS, AND APPLICATIONS OF FERTILIZER AND/OR GROUND LIMESTONE SHALL BE MADE PER SOIL TEST RECOMMENDATIONS. INCORPORATE FERTILIZER OR LIMESTONE INTO TOPSOIL TO A 2" DEPTH.
- MULCH SEEDING AREAS WITH CLEAN STRAW. WATER AND MAINTAIN ALL LAWN AREAS.
- SEED MIXES SHALL INSTALLED WITH HYDROSEEDER OR SLIT SEEDER PER MANUFACTURER'S RECOMMENDATION. MAINTAIN ALL SEED AREAS PER SEED MANUFACTURER'S RECOMMENDATION.

ERNST CONSERVATION SEEDS
9006 MERCER PIKE, MEADVIEW, PA. 16335
(800) 873-3321 FAX (814) 336-5191 WWW.ERNSTSEED.COM

SEED MIX:
CONSERVATION MIX (ERNMX-114) OR APPROVED EQUAL
50% KENTUCKY BLUEGRASS
30% CREEPING RED FESCUE
10% PERENNIAL RYEGRASS
10% ANNUAL RYEGRASS

EXISTING UTILITIES NOTE:

HAND DIGGING IS REQUIRED ABOVE EXISTING UNDERGROUND UTILITIES AND PIPES WHEN DEPTH IS UNKNOWN. CONCRETE ENCASMENT MAY BE REQUIRED ON EXISTING UTILITIES, WITH INADEQUATE DEPTH OF COVER, IF ENCOUNTERED DURING CONSTRUCTION.

UTILITY NOTES

- THE CONTRACTOR MUST CALL CONTACT ALL UTILITY PROVIDERS AND LOCATE UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION.
- THE CONTRACTOR MUST VERIFY LOCATION, SIZE, DEPTH AND MATERIAL OF ALL UNDERGROUND STRUCTURES WITHIN THE LIMIT OF DISTURBANCE PRIOR TO BEGINNING WORK. NOTIFY PROJECT ENGINEER OF ANY POTENTIAL CONFLICTS OR DISCREPANCIES PRIOR TO BEGINNING WORK.
- THIS PLAN INDICATES IDENTIFIED UTILITIES AND UTILITY COMPANY STRUCTURES BASED ON VISUAL SURVEY AND EXISTING UTILITY COMPANY PLANS. CONTRACTOR IS CAUTIONED THAT OTHER UTILITIES NOT SHOWN MAY EXIST WITHIN THE PROJECT LIMITS. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL EXISTING UTILITIES.

SOILS TABLE

(FROM UNITED STATES DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE)

SOIL TYPE: Gb-Glenelg channery loam
DRAINAGE CLASS: Well Drained
SLOPE RANGE: 3-8
HYDROLOGIC GROUP: C
BEDROCK DEPTH: 40-51 inches to parallel bedrock
SEASONAL WATER TABLE: 360 inches
FLOODING POTENTIAL: None
PROFILE PERMEABILITY: Moderately low

SOIL TYPE: GwB-Glenelg-Wheaton complex
DRAINAGE CLASS: Well Drained
SLOPE RANGE: 0-8
HYDROLOGIC GROUP: C
BEDROCK DEPTH: 40-51 inches to parallel bedrock
SEASONAL WATER TABLE: 380 inches
FLOODING POTENTIAL: None
PROFILE PERMEABILITY: Moderately low

UTILITY NOTE:

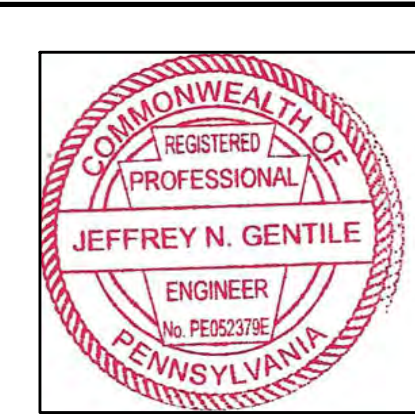
PROPOSED ADDITION WILL CONTINUE TO UTILIZE EXISTING BUILDINGS UTILITY CONNECTIONS.

CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES THREE (3) WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND TEN (10) WORKING DAYS FOR DESIGN STAGE. UTILITY INFORMATION IDENTIFIED THROUGH THE ONE-CALL PROCESS IS VALID FOR 90 DAYS FROM THE DATE OF THE CALL.
Pennsylvania One Call System, Inc.
800-242-1776
SERIAL# 20250921915
ONE-CALL DATE: 04/02/2025

DEMOLITION NOTE

BUILDINGS, PAVEMENT, CURBING, TREES, LIGHTS, TRANSFORMERS, POLES, CONCRETE PADS, DRAINAGE PIPING AND OTHER OBJECTS INTERFERING WITH THE SITE IMPROVEMENTS SHALL BE REMOVED AND DISPOSED OF PROPERLY. ALSO ALL UTILITIES SERVICES TO AND ON THE SITE SHALL BE PERMANENTLY TERMINATED OR TEMPORARILY SHUT OFF IN ACCORDANCE WITH UTILITY COMPANY OR AUTHORITY REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR ANY AND ALL DEMOLITION, INCLUDING HAZARDOUS MATERIAL IN ACCORDANCE WITH PADEP REQUIREMENTS. ALL MATERIALS AND WASTES SHALL BE DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET. SEQ. AND 287.1 ET. SEQ.



ARCHITECTS
LINN ARCHITECTS

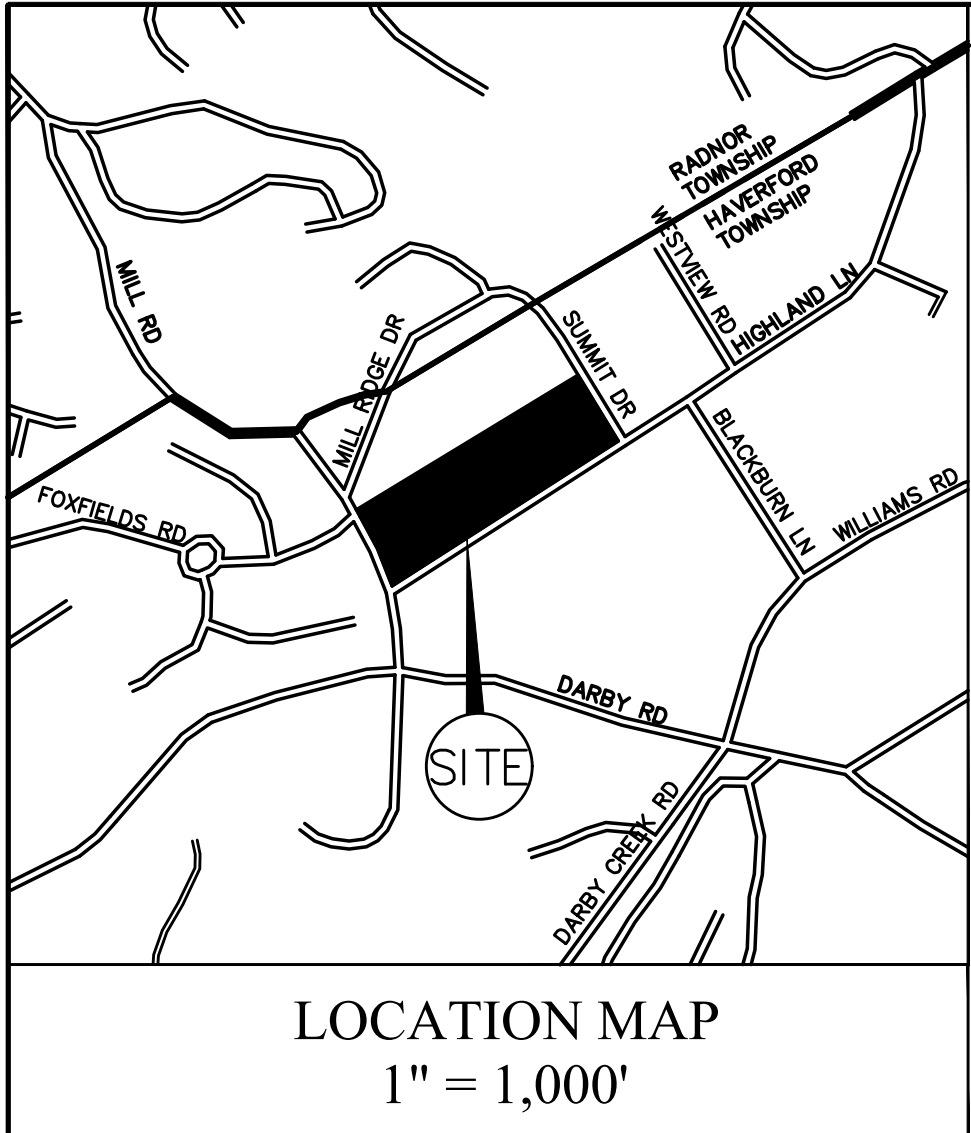
140 N. PROVIDENCE ROAD
MEDIA, PENNSYLVANIA 19063
TEL: 610-566-7044
FAX: 610-566-3258

REVISIONS	DATE	DESCRIPTION
NO.		

GRADING AND UTILITY PLAN
BUILDING ADDITION FOR
SS. COLMAN-JOHN NEUMANN SCHOOL
380 HIGHLAND LANE
HAVERFORD TOWNSHIP DELAWARE COUNTY, PA

REVISIONS	DATE	DESCRIPTION
NO.		

DATE: 04/25/2025	SCALE: 1"=30'	DRAWN BY: 2	CHECKED BY: 3	PROJ. NO.: 2514
SHEET NO. C-3 OF 7				



- NOTES**
- THIS PLAN IS BASED ON A PLAN ENTITLED "GRADING PERMIT PLANS - PROPOSED BUILDING ADDITION ST. JOHN NEUMANN PARISH" BY WOMENE & ASSOCIATES, INC. DATED SEPTEMBER 1, 2011, LAST REVISED SEPTEMBER 25, 2012.
 - BOUNDARIES BASED UPON ABOVE MENTIONED PLAN.
 - ADJOINER INFORMATION TAKEN FROM CURRENT TAX RECORDS.
 - UTILITY INFORMATION FROM OBSERVED SURFACE EVIDENCE. ALL UTILITY LOCATIONS AND DEPTHS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 - BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS IN ZONE 'X' OF THE FLOOD INSURANCE RATE MAP, MAP No. 42045C0039F, COMMUNITY PANEL No. 0039F, WHICH BEARS AN EFFECTIVE DATE OF NOVEMBER 18, 2009.
 - SOIL DELINEATION LINES TAKEN FROM USDA NATIONAL COOPERATIVE SOIL SURVEY THROUGH THE NATURAL RESOURCES CONSERVATION SERVICE CUSTOM SOIL RESOURCE REPORT FOR THIS PROJECT DATED AUGUST 2ND, 2024.
 - SITE IS SERVICED BY PUBLIC SEWER AND WATER.
 - PER SURFACE EVIDENCE OBSERVED THERE ARE NO SEWAGE INFILTRATION AREAS OR WELLS IN THE VICINITY OF THE PROPOSED INFILTRATION SYSTEM.
 - ALL LANDSCAPING SHOWN ON THE PLANS SHALL BE MAINTAINED AND KEPT CLEAN OF ALL DEBRIS, RUBBISH, WEEDS, AND TALL GRASS.
 - THIS PLAN SET IS SUBMITTED AS PART OF THE STORMWATER MANAGEMENT REPORT FOR 'SS COLMAN-JOHN NEUMANN SCHOOL' DATED APRIL 25, 2025.
 - AN EASEMENT WAS PREVIOUSLY GRANTED TO HAVERFORD TOWNSHIP TO ALLOW FOR THE INSPECTION OF THE STORMWATER FACILITY. THAT EASEMENT IS CONTINUED AS A PART OF THIS APPLICATION. IN THE EVENT THE HOMEOWNER/PROPERTY OWNER FAILS TO PROPERLY MAINTAIN THOSE FACILITIES, AFTER NOTICE TO THE OWNER OF ITS INTENT TO DO SO (WHICH NOTICE SHALL NOT BE REQUIRED IN ANY EMERGENCY), THE TOWNSHIP MAY (BUT IS NOT OBLIGATED TO) ENTER ONTO THE PROPERTY TO INSPECT AND PERFORM ANY SUCH MAINTENANCE. IN SUCH EVENT, THE TOWNSHIP MAY CHARGE THE COSTS THEREOF, WHETHER DIRECT OR INDIRECT, INCLUDING LABOR, EQUIPMENT, MATERIALS, SUPPLIES AND ANY FEES TO THE OWNER, AND MAY PLACE A LIEN ON THE PROPERTY TO RECOVER ANY CHARGED COSTS THAT REMAIN UNREIMBURSED AND ANY COSTS OF COLLECTION, FEE AND INTEREST.

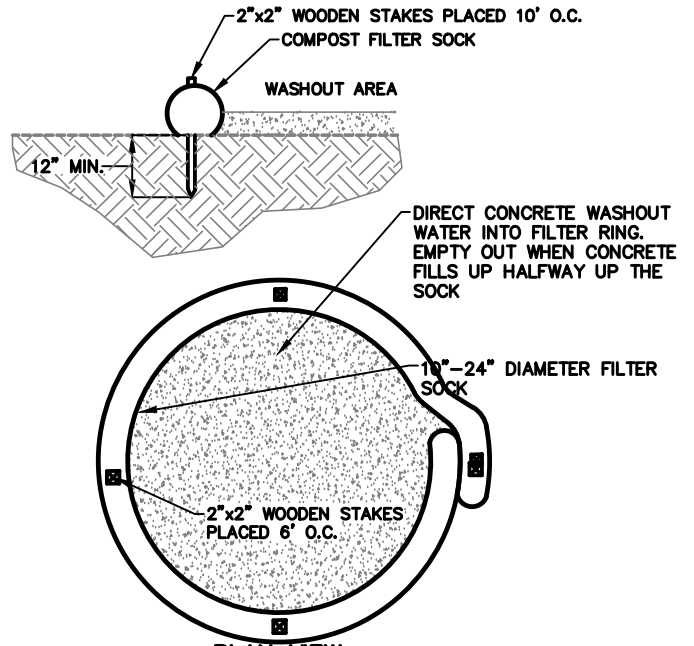
SEEDING SPECIFICATIONS

TEMPORARY MEASURES:
PREPARATIONS - APPLY 1 TON PER ACRE OF AGRICULTURAL GRADE LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDES) TO ESTABLISH A PH OF 6.5 TO 6.8

*SPECIES: Annual Rye (50%); Winter Rye (50%)
% PURE LIVE SEED: 81 / 23 %
APPLICATION RATE: 35 LB./ACRE
FERTILIZER TYPE: 10-10-10 (X-X-X)
FERTILIZER APPL. RATE: 500LB./ACRE
LIMING RATE: 1.0 T./ACRE
MULCH TYPE: Straw
MULCHING RATE: 3.0 T./ACRE

PERMANENT MEASURES:
PREPARATIONS - APPLY 4 TONS PER ACRE OF AGRICULTURAL GRADE LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDES) TO ESTABLISH A PH OF 6.5 TO 6.8

TOPSOIL PLACEMENT DEPTH: 6IN.
*SPECIES: Perennial Rye (10%); Kentucky 31 Tall Fescue (90%); Redtop (50%)
% PURE LIVE SEED: 81 / 76 / 74%
APPLICATION RATE: 40 LB./ACRE
FERTILIZER TYPE: 10-20-20(X-X-X)
FERTILIZER APPL. RATE: 1000 LB./ACRE
LIMING RATE: 5.0 T./ACRE
MULCH TYPE: Straw
MULCHING RATE: 3.0 T./ACRE
ANCHOR MATERIAL: Wire Netting
ANCHORING METHOD: Pegs 4ft on center per manufacturer
SEEDING DATE RANGE: March 15th-May 15th during germination periods, as weather permits



NOTES:
PER PA DEP EROSION AND SEDIMENT CONTROL PROGRAM MANUAL
TECH. GUIDANCE No. 363-2134-008
INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE
NOT TO SCALE

CONCRETE WASHOUT DETAIL

SEQUENCE OF CONSTRUCTION

ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED BY THE MUNICIPALITY. UNLESS SPECIFICALLY INDICATED OTHERWISE, EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE.

AT LEAST SEVEN (7) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES (INCLUDING CLEARING AND GRUBBING), THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LAND OWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARED, THE PCSM PLAN PREPARED TO AN ONSITE PRE-CONSTRUCTION MEETING.

AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.

ALL EXCESS MATERIALS AND WASTE GENERATED DURING THE CLEARING AND GRUBBING OF THIS SITE SHALL BE REMOVED FROM THIS SITE AND RECYCLED OR PROPERLY DISPOSED. WASTE CANNOT BE BURIED ON SITE. EROSION CONTROL FACILITIES (SILT FENCE, STONE BERM, ETC.) SHOULD BE REMOVED AND REUSED, IF AND WHEN POSSIBLE, OR REMOVED FOR OFFSITE DISPOSAL.

THE PROJECT SITE IS 8.39 ACRES (365,364 SF), THE AREA OF DISTURBANCE IS 0.38 ACRES (16,700 SF), AND THE PROJECT IS TO BE CONSTRUCTED IN ONE PHASE. THE CONTRACTOR IS ADVISED TO BECOME FAMILIAR WITH ALL EROSION CONTROL MEANS AND METHODS OUTLINED IN THE "EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL" PUBLISHED BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (PADEP), MARCH 2000 EDITION. COPIES OF THESE PLANS MUST BE AVAILABLE ON SITE THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL BE AWARE THAT NO SEDIMENT-LOADED RUNOFF SHALL BE ALLOWED TO FLOW TO THE EXISTING UNDERGROUND INFILTRATION SYSTEM. ALL FLOW INTO THE INFILTRATION SYSTEM SHALL BE BLOCKED UNTIL ALL SITE AREAS ARE STABILIZED.

EROSION AND SEDIMENT CONTROL FACILITIES ARE TO CHECKED AND PROPERLY MAINTAINED WEEKLY AND AFTER EACH STORM EVENT. SUFFICIENT QUANTITIES OF SILT SOCK, CRUSHED STONE, STRAW BALES, SEEDING AND MULCHING SHOULD BE READILY AVAILABLE FOR REMEDIAL WORK IF REQUIRED.

IT IS REQUIRED THAT THE DESIGN PROFESSIONAL BE PRESENT DURING THE INSTALLATION OF ALL **CRITICAL STAGES** OF CONSTRUCTION.

ALL DISTURBED AREAS THAT CANNOT BE STABILIZED PER THE TEMPORARY STABILIZATION SPECIFICATIONS DUE TO ONGOING EARTHMOWING AND OTHER TRAFFIC SHALL RECEIVE AN APPLICATION OF WOOD CHIP MULCH (4 TO 6 TONS PER ACRE) OR A HAY OR STRAW MULCH (3 TONS PER ACRE). ALL OTHER DISTURBED AREAS REMAINING OPEN SHALL BE TEMPORARILY SEEDED AND MULCHED.

ANTICIPATED START DATE: _____ ANTICIPATED END DATE: _____

EROSION CONTROL

1. STAKE OUT LIMIT OF DISTURBANCE, AND TREE PROTECTION, AS INDICATED ON

PLANS.

2. INSTALL SILT SOCK AS INDICATED ON THE PLANS.

3. PROCEED WITH REMOVAL OF EXISTING TREES/VEGETATION TO BE REMOVED (IF NOT COMPLETED PRIOR TO START OF CONSTRUCTION), CUTTING TREES DOWN TO STUMP AT GROUND LEVEL.

4. CLEAR AND GRUB SITE. STRIP TOPSOIL AND STOCKPILE (WHERE INDICATED ON THE PLAN. IMMEDIATELY STABILIZE STOCKPILE AND PLACE SILT SOCK PER THE PLANS AND SPECIFICATIONS AND BEGIN ROUGH GRADING

5. INSTALL UNDERGROUND UTILITY SERVICE LINES, INCLUDING ELECTRIC, COMMUNICATIONS (PHONE/FIBER), TO BUILDING ENVELOPE.

6. INSTALL ASPHALT BASE COURSE AS SOON AS POSSIBLE, WHICH MAY BE CONCURRENT WITH BUILDING CONSTRUCTION IF REQUIRED.

7. INSTALL BUILDING FOUNDATIONS, AND CONNECT UNDERGROUND UTILITY SERVICE LINES TO BUILDING. BACKFILL AGAINST BUILDING FOUNDATION AND PROCEED WITH BUILDING CONSTRUCTION. ROOF DRAINAGE FROM BUILDING TO THE ROOF DRAINS.

8. INSTALL SIDEWALK AS INDICATED ON THE PLANS. INSTALL WEARING COURSE ON PAVEMENT AREAS. FINISH GRADE ALL DISTURBED AREAS. SPREAD TOPSOIL ON THOSE AREAS THAT ARE TO BE LANDSCAPED AS THEY REACH FINAL GRADE AND STABILIZE IMMEDIATELY ACCORDING TO THE PERMANENT STABILIZATION SPECIFICATION AND INSTALL LANDSCAPING

9. ONCE ALL DISTURBED AREAS OF SITE HAVE BEEN STABILIZED IN ACCORDANCE WITH THE FINAL STABILIZATION REQUIREMENTS, REMOVE ANY REMAINING EROSION CONTROL MEASURES. IMMEDIATELY STABILIZE ALL AREAS DISTURBED BY THIS OPERATION. THE TOWNSHIP ENGINEER MUST BE NOTIFIED FOR A FINAL SITE INSPECTION PRIOR TO REMOVAL OF EROSION CONTROLS

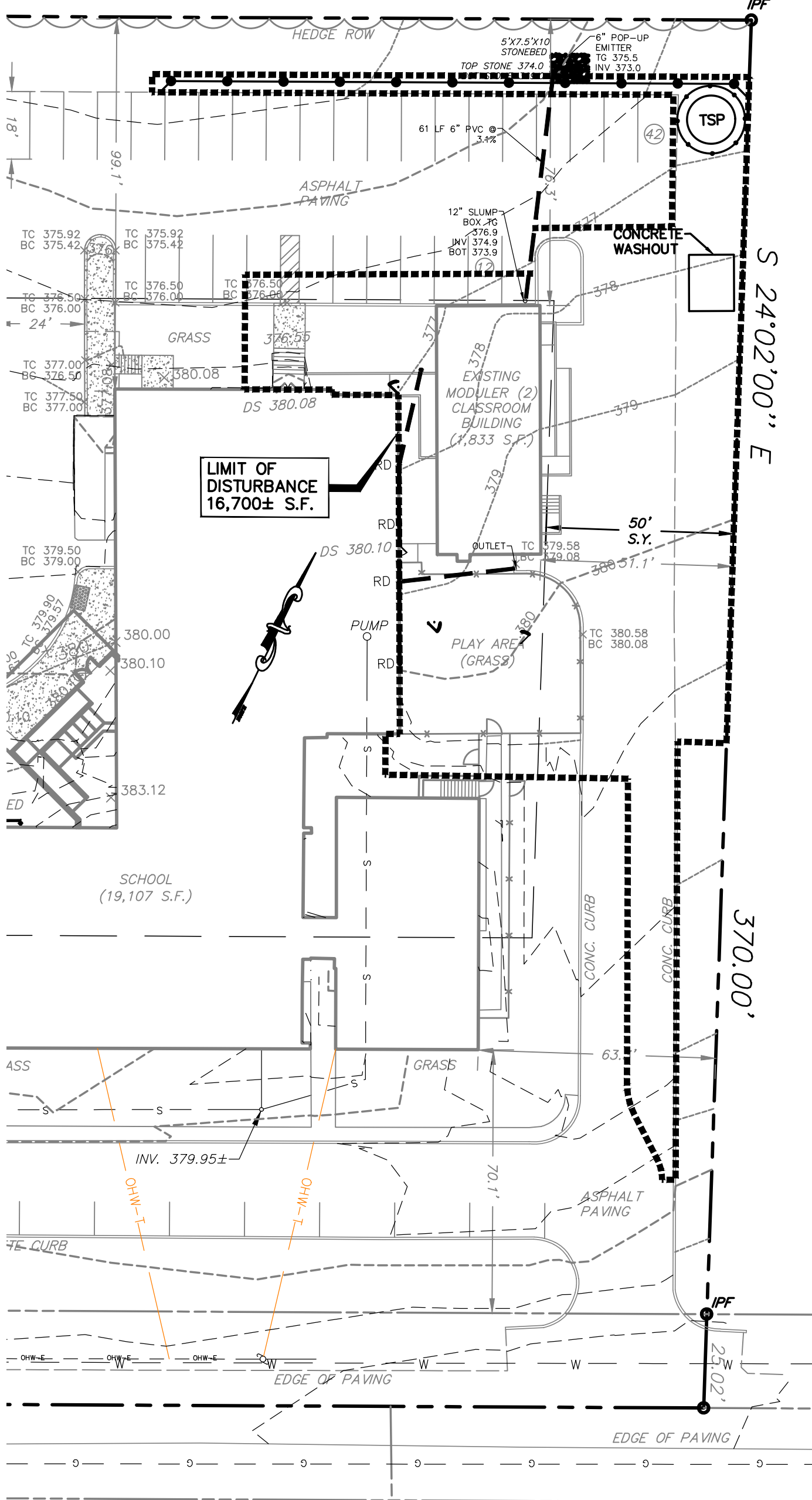
GENERAL NOTES

1. STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.

2. THE OPERATOR SHALL ASSURE THAT THE APPROVED EROSION AND SEDIMENT CONTROL PLAN IS PROPERLY AND COMPLETELY IMPLEMENTED.

3. UNTIL THE SITE ACHIEVES FINAL STABILIZATION, THE OPERATOR SHALL ASSURE THAT THE BEST MANAGEMENT PRACTICES ARE IMPLEMENTED, OPERATED, AND MAINTAINED PROPERLY AND COMPLETELY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL BEST MANAGEMENT PRACTICE FACILITIES. THE OPERATOR SHALL MAINTAIN AND MAKE AVAILABLE TO MUNICIPALITY AND DESIGN ENGINEER, WRITTEN INSPECTION LOGS OF ALL THOSE INSPECTIONS. ALL MAINTENANCE WORK, INCLUDING CLEANING, REPAIR, REPLACEMENT, REGRADING, AND RESTABILIZATION SHALL BE PERFORMED IMMEDIATELY.

4. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE POTENTIAL FOR ACCELERATED



PRELIMINARY EROSION CONTROLS

SCALE: 1" = 30'

EROSION AND/OR SEDIMENT POLLUTION.

5. BEFORE INITIATING ANY REVISIONS TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN OR REVISIONS TO OTHER PLANS WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED E&S CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISIONS FROM THE MUNICIPALITY AND DESIGN ENGINEER.

6. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG DISCHARGING OVER NON-DISTURBED AREAS.

7. THE OPERATOR IS ADVISED TO BECOME THOROUGHLY FAMILIAR WITH THE PROVISIONS OF THE APPENDIX 64, EROSION CONTROL RULES AND REGULATIONS, TITLE 25, PART 1, DEPARTMENT OF ENVIRONMENTAL PROTECTION, SUBPART C, PROTECTION OF NATURAL RESOURCES, ARTICLE III, WATER RESOURCES, CHAPTER 102, EROSION CONTROL.

8. EROSION AND SEDIMENT BMP'S MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE BMP'S.

9. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE OF CONSTRUCTION. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE.

10. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE OPERATOR SHALL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITIES. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.

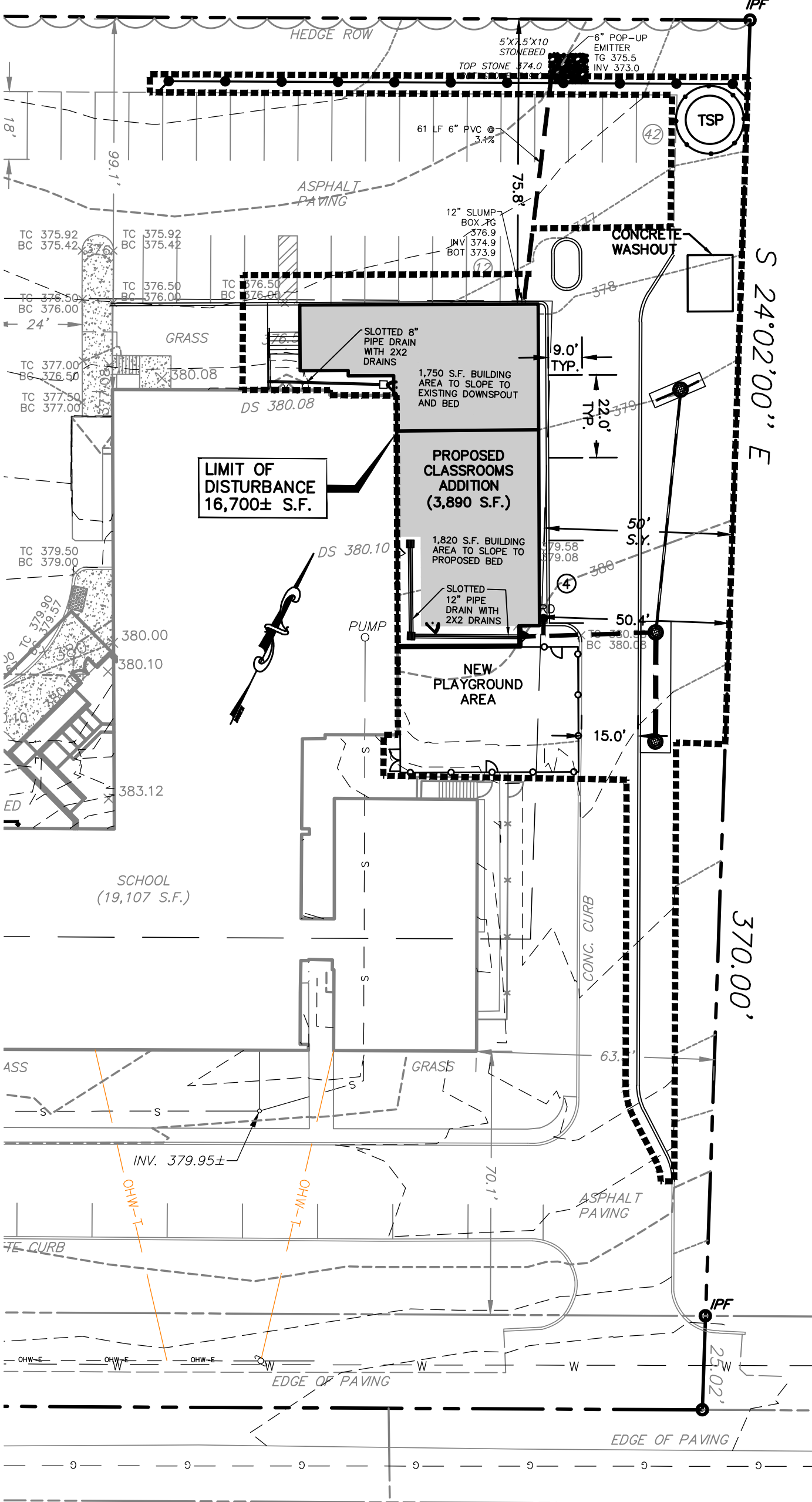
11. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS.

12. SEDIMENT MUST BE REMOVED FROM INLET WATER QUALITY INSERTS AFTER EACH RUNOFF EVENT.

13. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMP'S MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROL BMP'S AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REDEMULCHING, AND REPAIRING, MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.

14. SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED, OR PLACED IN TOPSOIL STOCKPILES.

15. THE OPERATOR SHALL REMOVE FROM THE SITE, RECYCLE, OR DISPOSE OF ALL BUILDING MATERIALS AND WASTE IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET SEQ., 271.1 ET DEQ., AND 287.1 ET SEQ. THE CONTRACTOR SHALL NOT ILLEGALLY BURY, DUMP, OR DISCHARGE ANY BUILDING MATERIALS OR WASTES AT THE SITE.

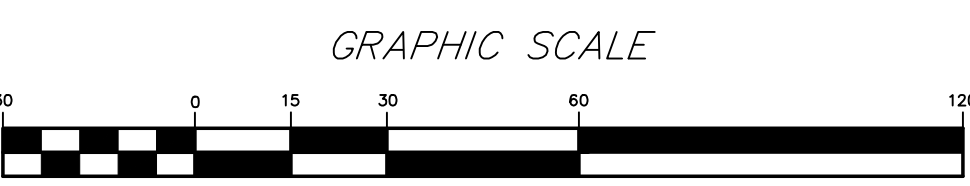


FINAL EROSION CONTROLS

SCALE: 1" = 20'

UTILITIES NOTES

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN AND PROTECT ALL EXISTING UTILITIES (SANITARY, WATER, TELECOMMUNICATIONS, AND ELECTRIC, ETC) WITHIN THE WORK ZONE DURING CONSTRUCTION.



CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES THREE (3) WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND TEN (10) WORKING DAYS FOR DESIGN STAGE. UTILITY INFORMATION IDENTIFIED THROUGH THE ONE-CALL PROCESS IS VALID FOR 90 DAYS FROM THE DATE OF THE CALL.

Pennsylvania One Call System, Inc.

800-242-1776

SERIAL# 20250921915

ONE-CALL DATE: 04/02/2025

SOILS TABLE

(FROM UNITED STATES DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE)

SOIL TYPE: GB-Glenely channery loam
DRAINAGE CLASS: Well Drained
SLOPE RANGE: 3-8
HYDROLOGIC GROUP: C
BEDROCK DEPTH: 40-51 inches to paralithic bedrock
SEASONAL WATER TABLE: >90 inches
FLOODING POTENTIAL: None
PROFILE PERMEABILITY: Moderately low

SOIL TYPE: GwB-Glenely-Wheaton complex
DRAINAGE CLASS: Well Drained
SLOPE RANGE: 0-8
HYDROLOGIC GROUP: C
BEDROCK DEPTH: 40-51 inches to paralithic bedrock
SEASONAL WATER TABLE: >90 inches
FLOODING POTENTIAL: None
PROFILE PERMEABILITY: Moderately low

CHAPTER 93 CLASSIFICATION:

THE PROJECT SITE DRAINS TO MEADOWBROOK RUN, A NAMED TRIBUTARY OF DARBY CREEK. CHAPTER 93 CLASSIFICATION IS CWF, MF.

LAND DEVELOPMENT STATEMENT OF INTENT

THE PURPOSE OF THIS PLAN IS TO SHOW THE REQUIREMENTS NECESSARY TO CONSTRUCT A CLASSROOM ADDITION FOR THE SS COLMAN-JOHN NEUMANN SCHOOL. THE PLAN INCLUDES IMPROVEMENTS ASSOCIATED WITH THE PROPOSED ADDITION SUCH AS GRADING, LANDSCAPING, AND STORMWATER MANAGEMENT FACILITIES.

OWNER

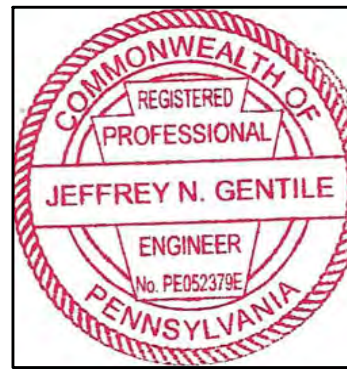
ST. JOHN NEUMANN PARISH
380 HIGHLAND LANE
BRYN MAWR, PA 19010

SITE INFORMATION

380 HIGHLAND LN
TAX MAP: 22-05-070:000
FOLIO: 22-05-00425-01
DB/PG: UNKNOWN

DEMOLITION NOTE

BUILDINGS, PAVEMENT, CURBING, TREES, LIGHTS, TRANSFORMERS, POLES, CONCRETE PADS, DRAINAGE PIPING AND OTHER OBJECTS INTERFERING WITH THE SITE IMPROVEMENTS SHALL BE REMOVED AND DISPOSED OF PROPERLY. ALSO ALL UTILITIES SERVICES TO AND ON THE SITE SHALL BE PERMANENTLY TERMINATED OR TEMPORARILY SHUT OFF IN ACCORDANCE WITH UTILITY COMPANY OR AUTHORITY REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR ANY AND ALL DEMOLITION, INCLUDING HAZARDOUS MATERIAL IN ACCORDANCE WITH PADEP REQUIREMENTS. ALL MATERIALS AND WASTES SHALL BE DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 260.1 ET. SEQ. AND 287.1 ET. SEQ.



ARCHITECTS

140 N. PROVIDENCE ROAD
MEDIA, PENNSYLVANIA 19063
TEL: 610-566-7044
FAX: 610-566-3258

ARCHITECTURE
ENGINEERING
SITE PLANNING
INTERIOR DESIGN

REVISIONS	DATE	DESCRIPTION
NO.		

EROSION AND SEDIMENTATION CONTROL PLAN	BUILDING ADDITION FOR
	SS. COLMAN-JOHN NEUMANN SCHOOL
	380 HIGHLAND LANE
	HAVERFORD TOWNSHIP
	DELAWARE COUNTY, PA

REVISIONS	DATE	DESCRIPTION
NO.		

DATE: 04/25/2025	SCALE: 1"=30'	DRAWN BY: 2	CHECKED BY: 3	PROJ. NO.: 25114	SHEET NO. 4 OF 7
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C-4

CLEAN FILT: UNCONTAMINATED; NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL THE TERM INCLUDES SOIL, ROCK, STONE, DRESSED MATERIAL, ASPHALT, AND BRICK, BLOCK OR CONCRETE FROM SITES OF MINOR EROSION AND COLLAPSE, WHICH ARE NOT TO BE REMOVED AND IS REASONABLY AS SUCH, THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. (THE TERM "USE ASPHALT" DOES NOT INCLUDE MILLED ASPHALT THAT HAS BEEN PAVED FOR USE.)

ENVIRONMENTAL DUE DILIGENCE: INVESTIGATIVE TECHNIQUES, INCLUDING, BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS.

11. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG DISCHARGING OVER NON-DISTURBED AREA.

12. STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.

13. TRAPS(S) AND BASIN(S) SHOULD BE INSPECTED WEEKLY AND AFTER EACH RAINFALL TO INSURE ITS PROPER FUNCTIONING.

14. ANY SILT SOCK THAT HAS BEEN OVERTOPPED OR UNDERMINED SHALL BE REMOVED AND REPLACED WITH A NEW ONE IMMEDIATELY, AND SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL.

15. ANY DISTURBED AREA ON WHICH ACTIVITY HAS CEASED AND WHICH WILL REMAIN OPENPOSED MUST BE STABILIZED IMMEDIATELY BY MULCHING AND NON-GERMINATING PERIODS, WHICH MUST BE APPLIED AT THE RECOMMENDED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE LEFT OPEN MUST BE MULCHED IMMEDIATELY. MULCHING MUST BE DONE IN ACCORDANCE WITH SEEDING SPECIFICATIONS. DISTURBED AREAS WHICH ARE EITHER AT FINISHED GRADE OR WILL NOT BE RE-DISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH PERMANENT SEEDING SPECIFICATIONS.

16. STORMWATER WEIETS MUST BE PROTECTED UNTIL THE TRIBUTARY AREAS ARE STABILIZED. SEDIMENT MUST BE REMOVED FROM INLET PROTECTION AFTER EACH STORM EVENT.

17. DIVERSIONS, CHANNELS, SEDIMENT TRAPS, AND STOCKPILES MUST BE STABILIZED IMMEDIATELY.

18. ALL NECESSARY SOIL EROSION AND SEDIMENT CONTROL MEASURES INSTALLED (SLIT FENCES, STONE FENCES, SEDIMENT TRAPS, ETC.) SHALL BE ADEQUATELY MAINTAINED BY THE SITE CONTRACTOR.

19. WHENEVER SEDIMENTATION IS CAUSED BY STRIPPING VEGETATION, RE-GRADING OR DEVELOPMENT IN CLOSURE AREAS, THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE SEDIMENT FROM ALL ADJOINING PROPERTIES, SURFACES, DRAINAGE SYSTEMS AND WATER COURSES IMMEDIATELY.

20. ALL SURROUNDING STREETS ARE TO BE KEPT CLEAN OF ALL SEDIMENT.

21. ALL SEEDED AREAS WHICH HAVE BEEN WASHED AWAY WILL BE FILLED, RE-SEEDED AND MULCHED IMMEDIATELY.

22. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS OF THE FILL RESULTING FROM SLIDING OR OTHER ACTIVITIES. IF THE VEGETATION DOCUMENTATION ACTIVITIES CEASE, THE OPERATOR SHALL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITIES, DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE RE-DISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE STABILIZATION SPECIFICATIONS. DISTURBED AREAS WHICH ARE EITHER AT FINISHED GRADE OR WILL NOT BE RE-DISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.

23. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENTATION BMP'S MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION BMP'S AFTER EACH RAINFALL. RECORDS OF THESE INSPECTIONS MUST BE MAINTAINED AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST. ALL PREVENTIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEANUP, REPAIR, REPLACEMENT, RE-GRADING, RE-SEEDING, OR FILLING, MUST BE COMPLETED IMMEDIATELY, NOT EXCEED 24 HOURS FROM THE TIME OF DETECTION. BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S OR MODIFICATIONS OF THOSE INSTALLED WILL BE NEEDED.

WHERE AREAS ARE FOUND TO FAIL TO ALLEVIATE EROSION OR SEDIMENT POLLUTION, THE PERMITTEE OR CO-PERMITTEE SHALL INCLUDE THE FOLLOWING INFORMATION:

A. THE LOCATION AND SEVERITY OF THE BMP'S FAILURE AND ANY POLLUTION EVENTS.

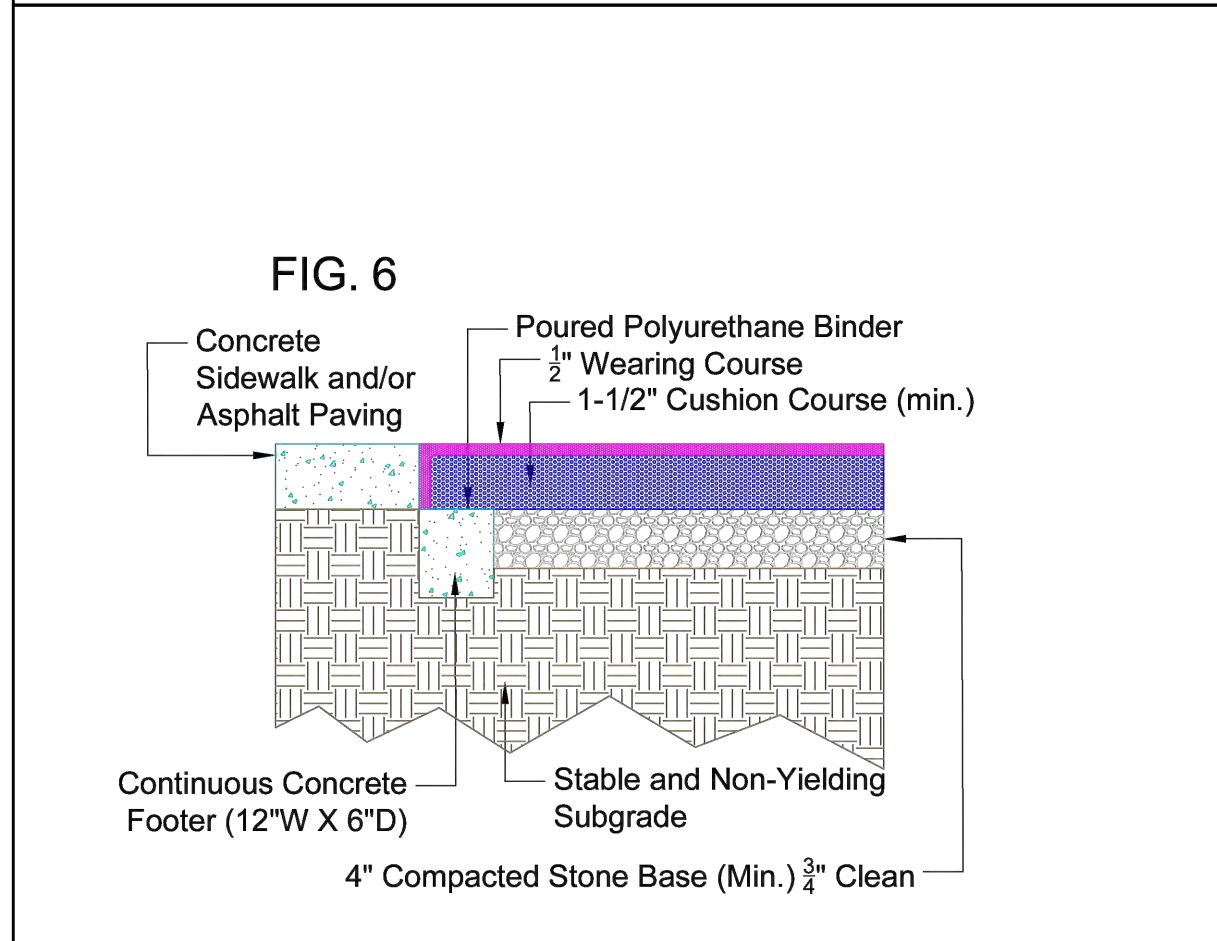
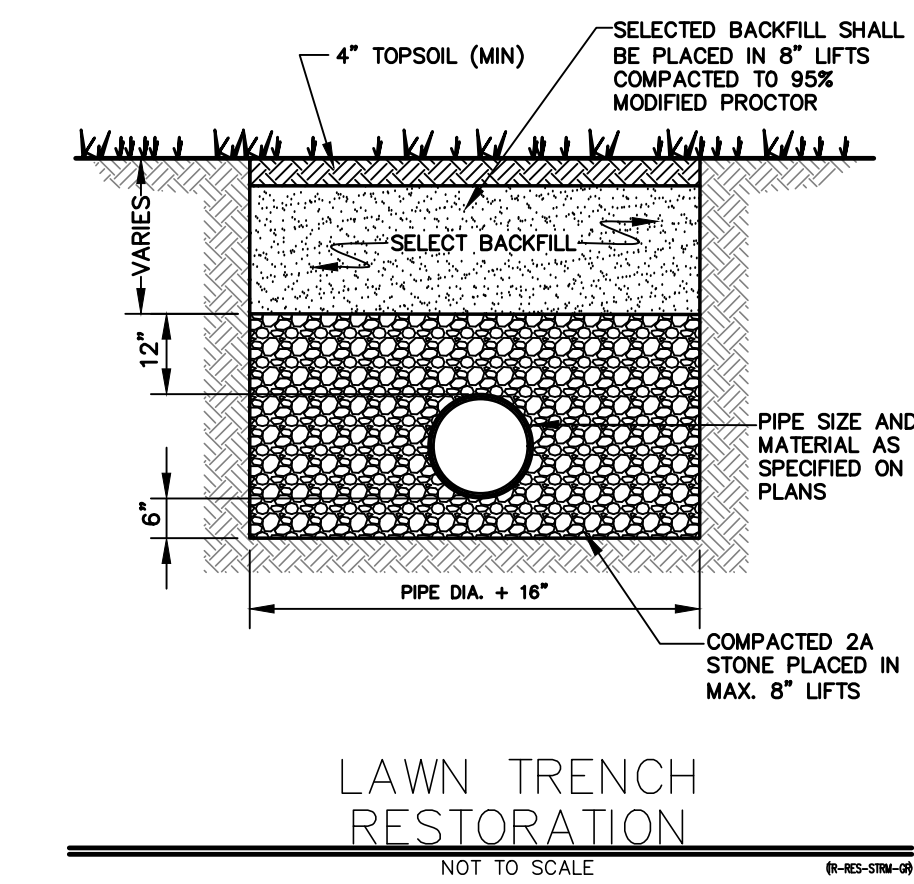
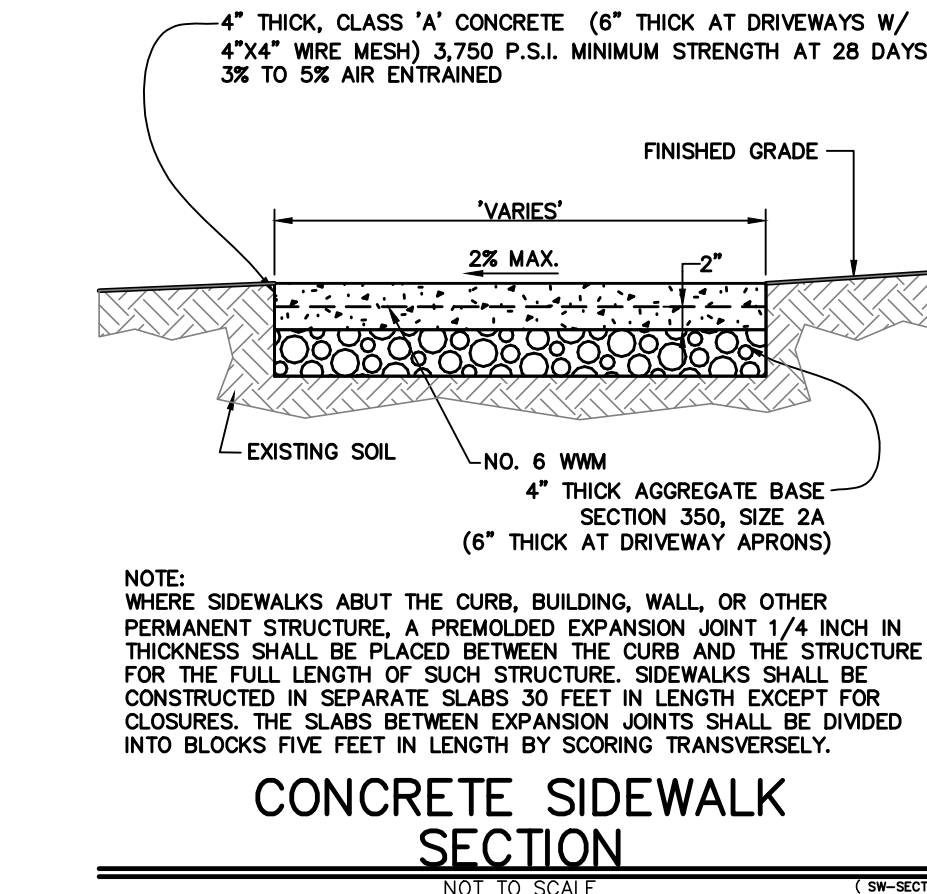
B. THE STEPS TAKEN TO REDUCE, ELIMINATE AND PREVENT THE RECURRENCE OF THE NON-COMPLIANCE.

C. THE TIME FRAME TO CORRECT THE NON-COMPLIANCE, INCLUDING THE EXACT DATES WHEN THE ACTIVITY WILL RETURN TO COMPLIANCE.

AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMP'S MUST BE REMOVED FROM THE PROJECT DURING REMOVAL OF THE BMP'S MUST BE STABILIZED IMMEDIATELY.

24. THE OPERATOR SHALL REMOVE FROM THE SITE, RECYCLE, OR DISPOSE OF ALL BUILDING MATERIALS AND WASTES IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 26 PA CODE 2601 ET SEQ., 2711 ET SEQ., AND 2871 ET SEQ. THE CONTRACTOR SHALL NOT ILLEGALLY BURY, BURIED, OR OTHERWISE ABANDON OR DISPOSE OF ANY SOLID WASTE OR DEBRIS SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR TO AN APPROVED DISPOSAL SITE.

25. THE PROJECT'S RECEIVING WATERCOURSE IS MEADOWBROOK RUN A NAME TRIBUTARY OF DARBY CREEK, WITH A PADEP CHAPTER 93 CLASSIFICATION OF OW, MF.



SCALE

SOCK DETAIL

IMPROVED ROAD SURFACE

8" THICK WITH AASHTO #1 STONE.

WASH RACK

20' MIN.

FLARE INTERSECTION AREA TO ALLOW FOR TURNS (BOTH SIDES).

50' (MIN.)

TYPICAL SECTION A-A

WELDED STEEL GRATING DRAIN SPACE

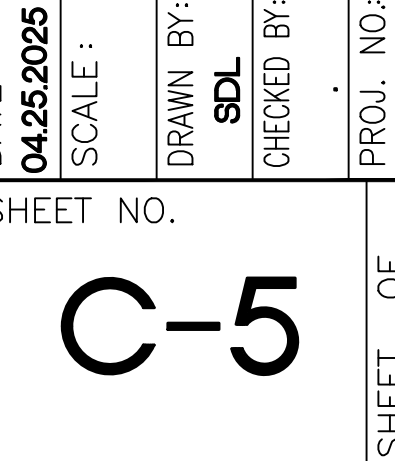
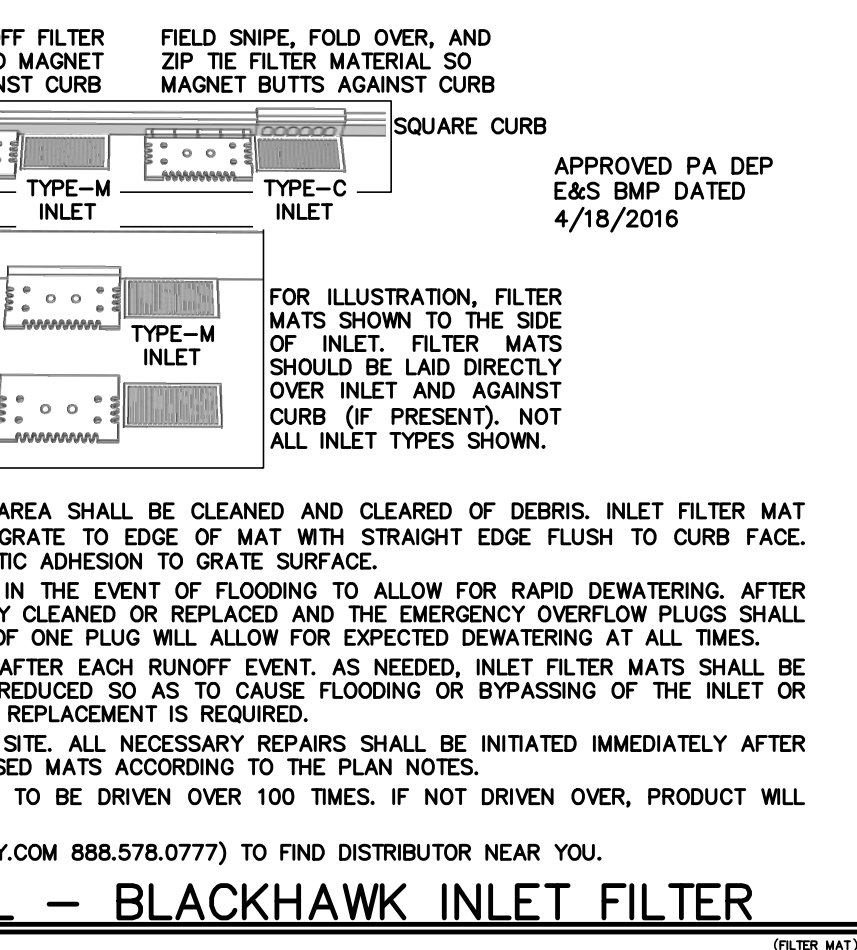
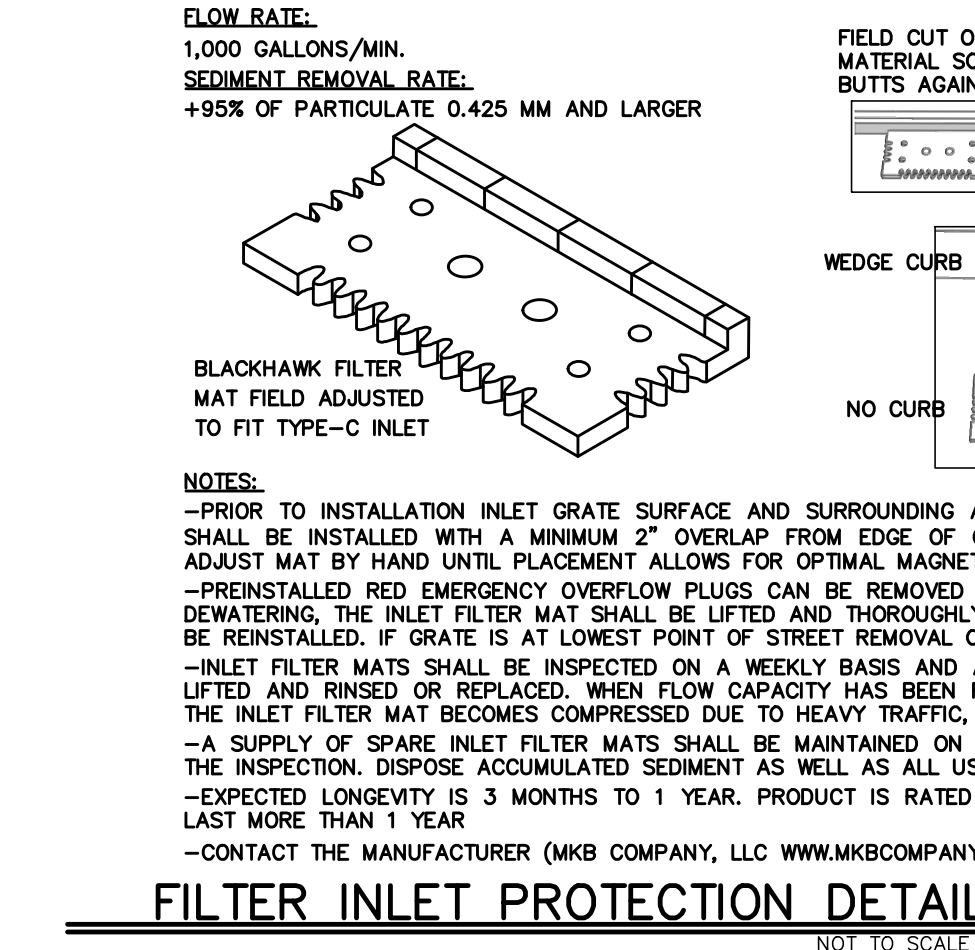
MAINTENANCE:

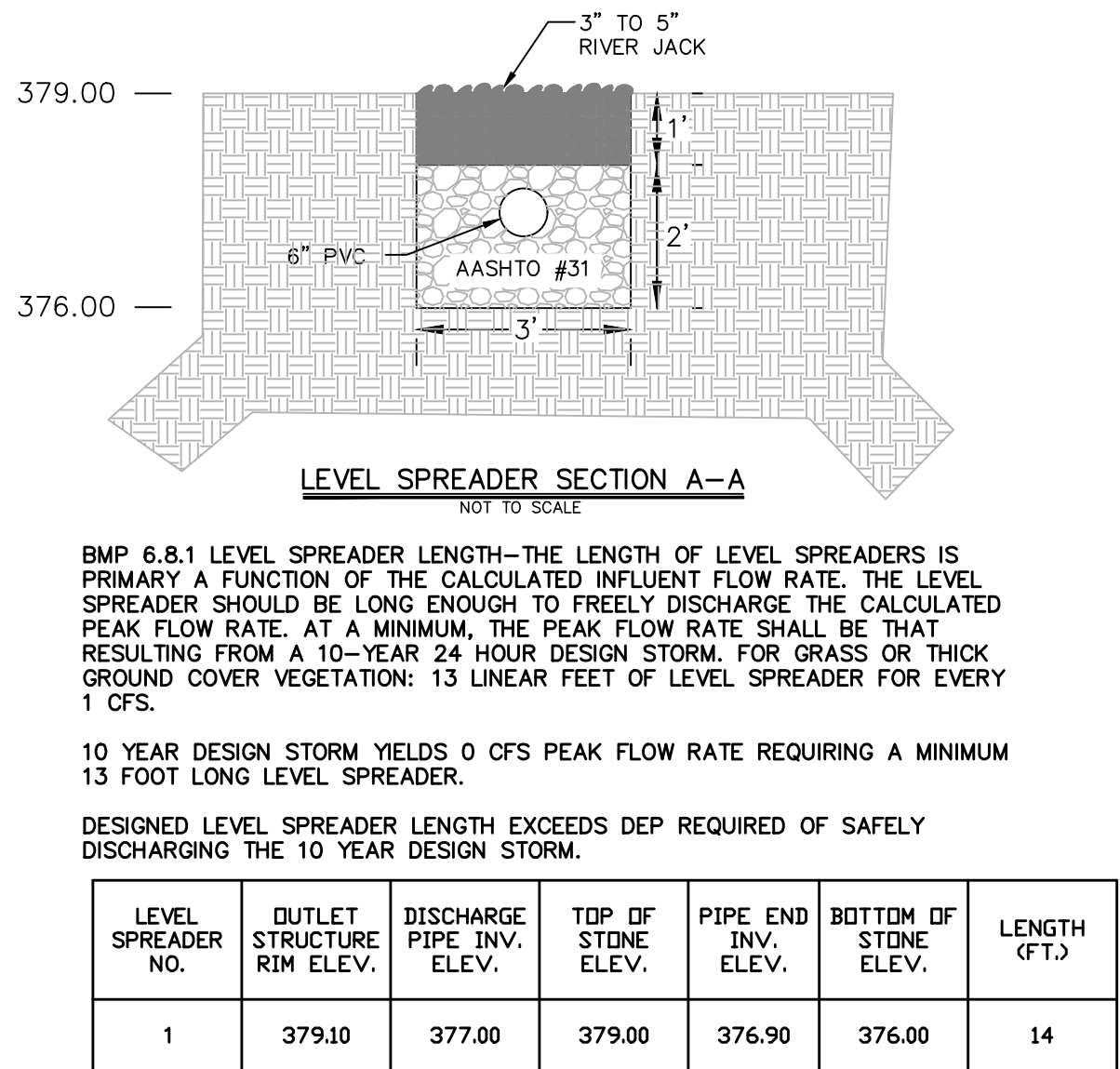
- WASH RACK SHALL BE 20 FEET WIDE OR TOTAL WIDTH OF ACCESS AND 6 FEET LONG.
- A WATER SUPPLY SHALL BE MADE AVAILABLE TO WASH THE WHEELS OF ALL VEHICLES EXISTING THE SITE.
- WASH RACK SHALL BE DESIGNED AND CONSTRUCTED TO ACCOMMODATE ANTICIPATED CONSTRUCTION TRAFFIC.
- ROCK CONSTRUCTION ENTRANCE THICKNESS WILL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE OF ROCK MATERIAL WILL BE MAINTAINED ON THE SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PUBLIC ROADWAYS WILL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE.

ROCK CONSTRUCTION ENTRANCE

NOT TO SCALE

(PAGE 2)



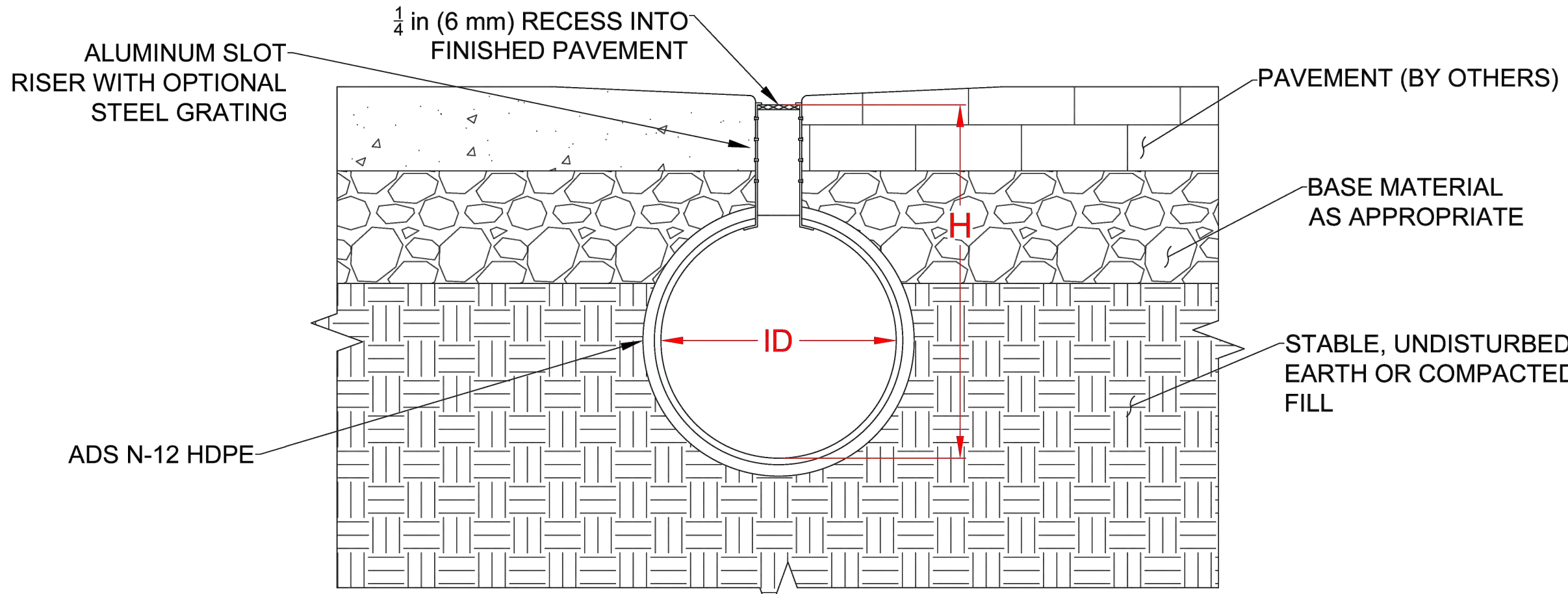


LEVEL SPREADER SEQUENCE OF CONSTRUCTION

1. LEVEL SPREADERS ARE CONSIDERED A PERMANENT PART OF A SITE'S STORMWATER MANAGEMENT SYSTEM. THEREFORE, THE UPHILL DEVELOPMENT SHOULD BE STABILIZED BEFORE DIVERTING RUNOFF TO ANY DISPERSING FLOW TECHNIQUES. IF THE LEVEL SPREADER IS USED AS AN EROSION AND SEDIMENTATION CONTROL MEASURE, IT MUST BE RECONFIGURED (FLUSH PERFORATED PIPE, CLEAN OUT ALL SEDIMENT), TO ITS ORIGINAL STATE BEFORE USE AS A PERMANENT STORMWATER FEATURE.
2. ALL CONTRIBUTING STORMWATER ELEMENTS (INFILTRATION BEDS, INLETS, OUTLET CONTROL STRUCTURES, PIPES, ETC) SHOULD BE INSTALLED.
3. PERFORATED PIPE SHOULD BE INSTALLED ALONG A CONTOUR, WITH CARE TAKEN TO CONSTRUCT A LEVEL BOTTOM. THE PIPE CAN BE UNDERGROUND IN A SHALLOW INFILTRATION TRENCH (SEE INFILTRATION TRENCH FOR DESIGN GUIDANCE), OR CLOSER TO THE SURFACE AND COVERED WITH A 12-INCH THICK LAYER OF AASHTO #57 STONE. IF THE PERFORATED PIPE IS IN A TRENCH, EXCAVATE TO THE DESIGN DIMENSIONS. IF THE PIPE IS TO BE AT OR NEAR THE SURFACE, SOME MINOR EXCAVATION OR FILLING MAY BE NECESSARY TO MAINTAIN A LEVEL BOTTOM.
4. IF NECESSARY, INSTALL EROSION CONTROL MATTING ALONG THE LENGTH OF THE LEVEL SPREADER AND TO A DISTANCE DOWNHILL, AS SPECIFIED BY THE MANUFACTURER/SUPPLIER. COVER THE PIPE WITH AASHTO #57 STONE.

LEVEL SPREADER OPERATION AND MAINTENANCE


- o INSPECTION — THE AREA BELOW A LEVEL SPREADER SHOULD BE INSPECTED FOR CLOGGING, DENSITY OF VEGETATION, DAMAGE BY FOOT OR VEHICULAR TRAFFIC, EXCESSIVE ACCUMULATIONS, AND CHANNELIZATION. INSPECTIONS SHOULD BE MADE ON A QUARTERLY BASIS FOR THE FIRST TWO YEARS FOLLOWING INSTALLATION, AND THEN ON A SEMIANNUAL BASIS THEREAFTER. INSPECTIONS SHOULD ALSO BE MADE AFTER EVERY STORM EVENT GREATER THAN 1-INCH.
- o REMOVAL — SEDIMENT AND DEBRIS SHOULD BE ROUTINELY REMOVED (BUT NEVER LESS THAN SEMIANNUALLY), OR UPON OBSERVATION, WHEN BUILDUP OCCURS IN THE CLEAN OUTS. REGRADING AND RESEEDING MAY BE NECESSARY IN THE AREAS BELOW THE LEVEL SPREADER. REGRADING MAY ALSO BE REQUIRED WHEN POOLS OF STANDING WATER ARE OBSERVED ALONG THE SLOPE. (IN NO CASE SHOULD STANDING WATER BE ALLOWED FOR LONGER THAN 72 HOURS.)
- o VEGETATION — MAINTAINING A VIGOROUS VEGETATIVE COVER ON THE AREAS BELOW A LEVEL SPREADER IS CRITICAL FOR MAXIMIZING POLLUTANT REMOVAL EFFICIENCY AND EROSION PREVENTION. IF VEGETATIVE COVER IS NOT FULLY ESTABLISHED WITHIN THE DESIGNATED TIME, IT MAY NEED TO BE REPLACED WITH AN ALTERNATIVE SPECIES. (IT IS STANDARD PRACTICE TO CONTRACTUALLY REQUIRE THE CONTRACTOR TO REPLACE DEAD VEGETATION.) UNWANTED OR INVASIVE GROWTH SHOULD BE REMOVED ON AN ANNUAL BASIS. BIWEEKLY INSPECTIONS ARE RECOMMENDED FOR AT LEAST THE FIRST GROWING SEASON, OR UNTIL THE VEGETATION IS PERMANENTLY ESTABLISHED. ONCE THE VEGETATION IS ESTABLISHED, INSPECTIONS OF HEALTH, DIVERSITY, AND DENSITY SHOULD BE PERFORMED AT LEAST TWICE PER YEAR, DURING BOTH THE GROWING AND NON-GROWING SEASON. VEGETATIVE COVER SHOULD BE SUSTAINED AT 85% AND REPLACED IF DAMAGE GREATER THAN 50% IS OBSERVED.

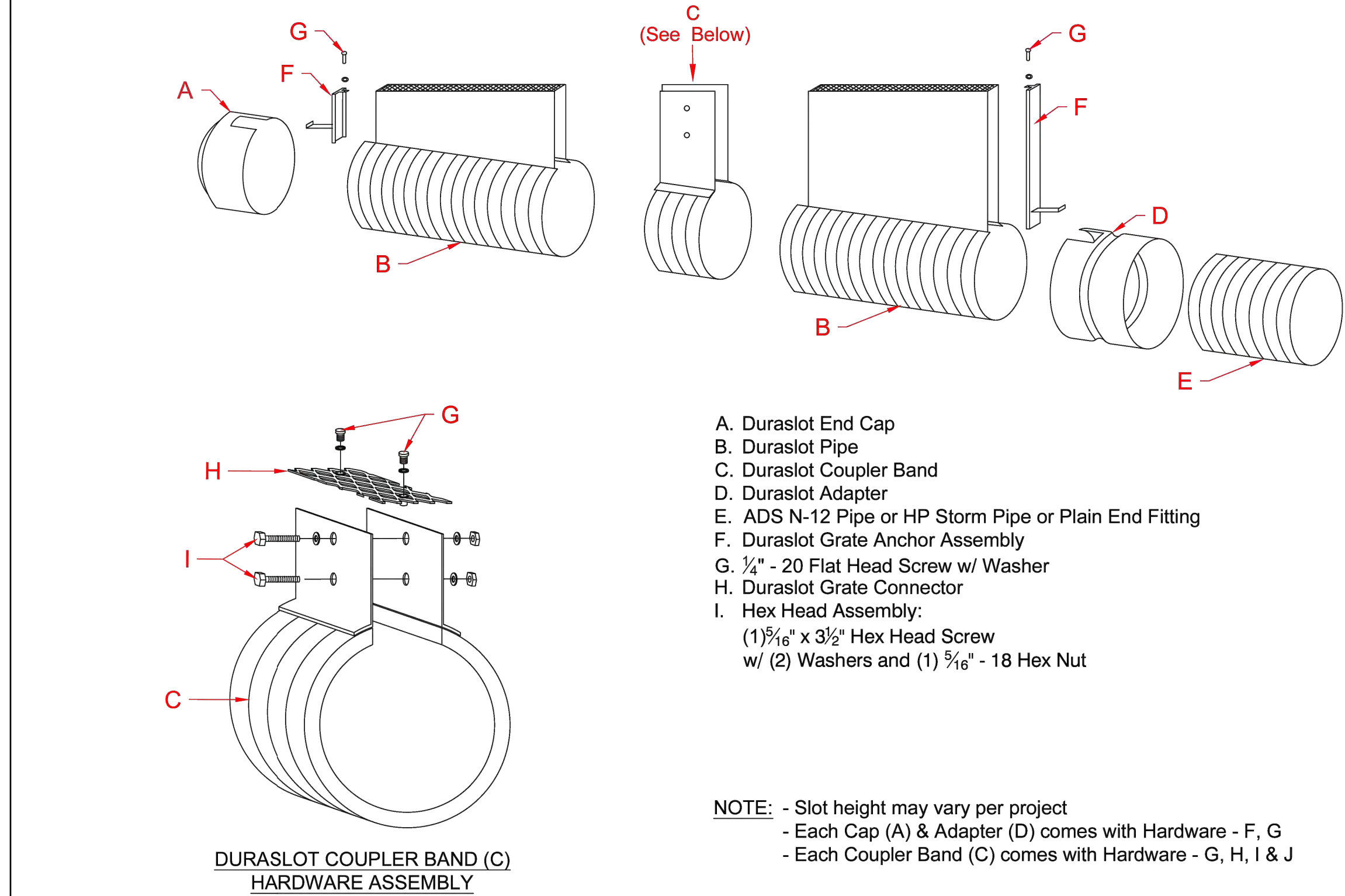
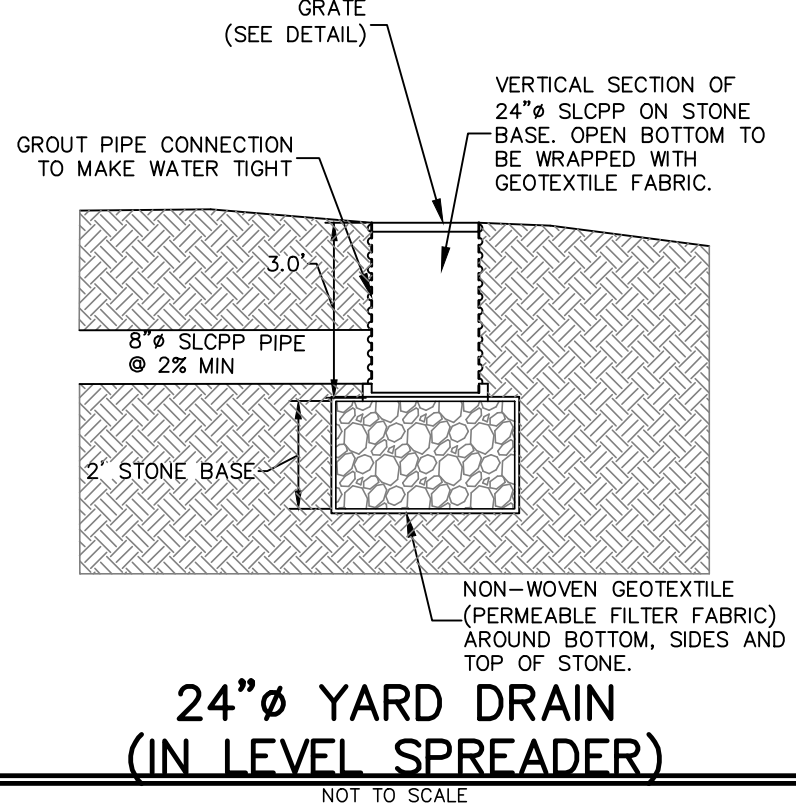



Nominal Diameter, ID, in. (mm)	Depth of Invert, H, in. (mm)	
	Minimum	Maximum
4 (100)	6.75 (171)	28.00 (711)
6 (150)	9.00 (229)	30.00 (762)
8 (200)	11.00 (279)	32.00 (813)
10 (250)	13.00 (330)	34.00 (864)
12 (300)	15.75 (400)	48.00 (1219)
15 (375)	18.75 (476)	51.00 (1295)
18 (450)	22.00 (559)	54.00 (1372)
24 (600)	28.75 (730)	60.00 (1524)
30 (750)	35.00 (889)	66.00 (1676)
36 (900)	41.25 (1048)	72.00 (1829)

NOTES:

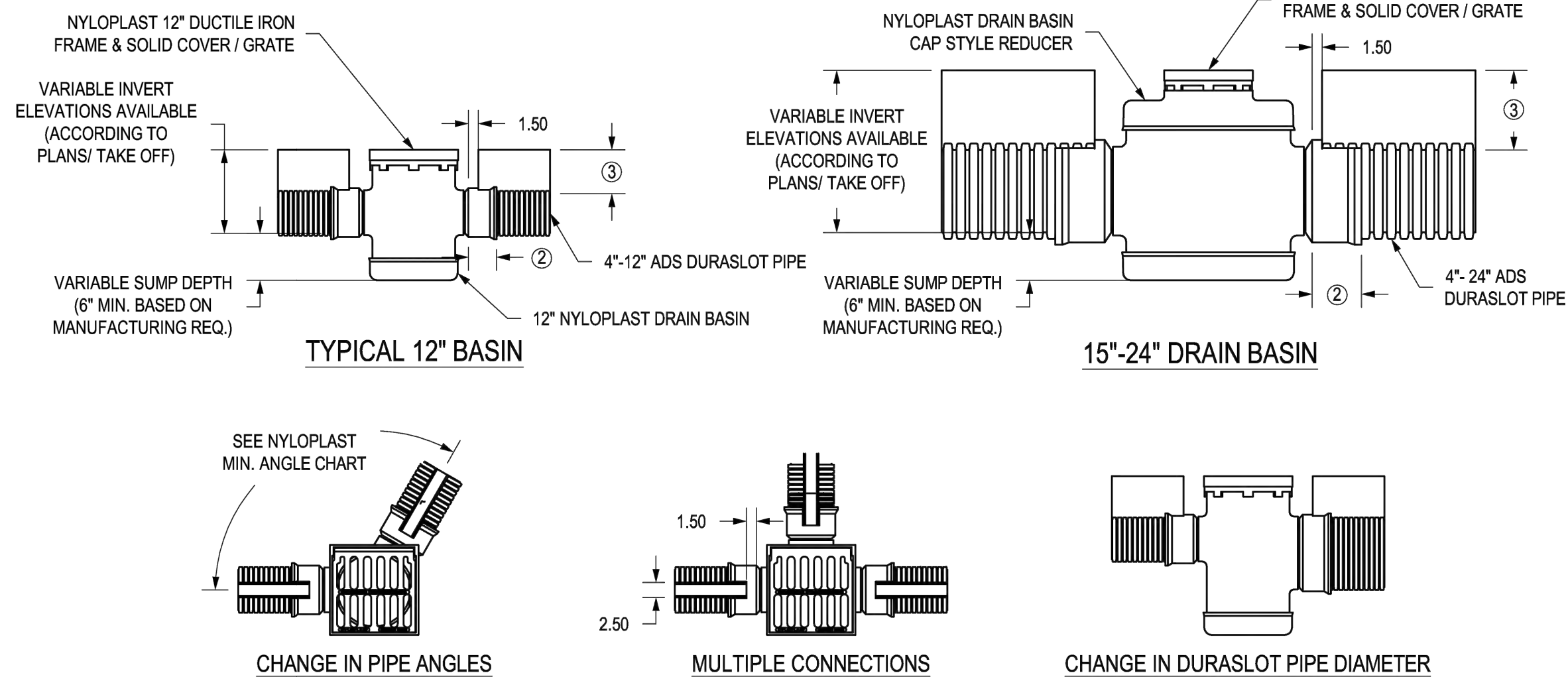
1. BACKFILL DESIGN SHOULD BE USED FOR NON-VEHICULAR LOADS ONLY.
2. SURFACE PAVEMENT ADJOINING THE SLOT SHOULD BE A NON-EROSIVE MATERIAL.
3. COUPLER BANDS ARE SOIL-TIGHT. FOR A TIGHTER SEAL, A NEOPRENE SHEET OR MASTIC FILLER (PROVIDED BY OTHER) MAY BE USED.
4. SITE ENGINEER TO PROVIDE SITE SPECIFIC BACKFILL DETAILS, SUCH AS PAVEMENT TYPE.
4. REFER TO ADS TECH NOTE 2.11 FOR ADDITIONAL DESIGN INFORMATION.
5. SLOT RECESS IS NOT INCLUDED IN DEPTH OF INVERT TABLES.

© 2025 ADS, INC.	1	Updated Layers & Logo	KJS	01/09/2025	-	Sheet #1 KJS 07-05-2023 NTS 1 OF 1
	REV.	DESCRIPTION	BY	MM/DD/YY	CHKD	
ADVANCED DRAPAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.	Duraslot Light Duty Installation				4640 TRUEMAN BLVD HILLIARD, OHIO 43026	DRAWING NUMBER: STD-1480A



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	REV	DESCRIPTION	BY	MM/DD/YY	CHKD	
Duraslot Assembly				4640 TRUHEMAN BLVD HILLIARD, OHIO 43026		DRAWING NUMBER: STD-1480A

NYLOPLAST DRAIN BASIN STANDARD DETAIL FOR 4" - 24" DURASLOT PIPE

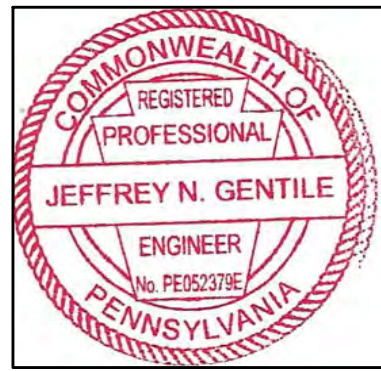


USES FOR DURASLOT BASINS

NYLOPLAST 12" CASTINGS			
GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
STANDARD	MEETS H-20	1299CGS	7001-110-203
SOLID COVER	MEETS H-20	1299CGC	7001-110-204

- 1 - NYLOPLAST 12" FRAMES & SOLID COVERS/GRATES SHALL CONFORM TO ASTM A 536 GRADE 70-50-05 FOR DUCTILE IRON.
- 2 - ADAPTERS FOR DURASLOT CONNECTION RANGE BETWEEN 4"-24". SEE DRAWING NO. 7001-110-275 FOR ADS N-12 BELL INFORMATION.
- 3 - SLOT HEIGHT VARIES DEPENDING ON DESIGN CRITERIA. SLOT HEIGHT CAN RANGE FROM 2.5" TO 36". 15" - 24" BASINS WILL REQUIRE SLOTS TALLER THAN STANDARD 2.5" - 6" SLOTS.
- 4 - ENCASE ADAPTER IN CONCRETE TO SEAL CONNECTION BETWEEN ADS DURASLOT PIPE AND NYLOPLAST TEE BODY.
- 5 - RECTANGULAR SLOTS ARE TO BE CUT INTO BELL ON NYLOPLAST TEE DURING THE MANUFACTURING PROCESS TO ALLOW PIPE AND TEE TO FIT PROPERLY.
- 6 - 18" AND 24" REDUCERS ARE A CUSTOM PART. 15" x 12" CONE STYLE REDUCER IS TYPICAL BUT REQUIRES TOP TO BE TRIMMED. BASINS WITH REDUCERS WILL REQUIRE CUSTOM SLOT HEIGHTS.
- 7 - DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY. DIMENSIONS ARE IN INCHES.

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DATE: 3-27-20	PROJECT NO./NAME:	APPD BY: NMH	TITLE: 12" - 24" DRAIN BASIN STANDARD DETAIL FOR 4" - 24" DURASLOT PIPE	DWG NO. 7001-110-572
DATE: 3-27-20	DWG SIZE: A	SCALE: 1:25	SHEET: 1 OF 1	REV: A



ARCHITECTS

140 N. PROVIDENCE ROAD
MEDIA, PENNSYLVANIA 19063
TEL.: 610-566-7044
FAX: 610-566-3258

NO.	DESCRIPTION	DATE

DETAILS

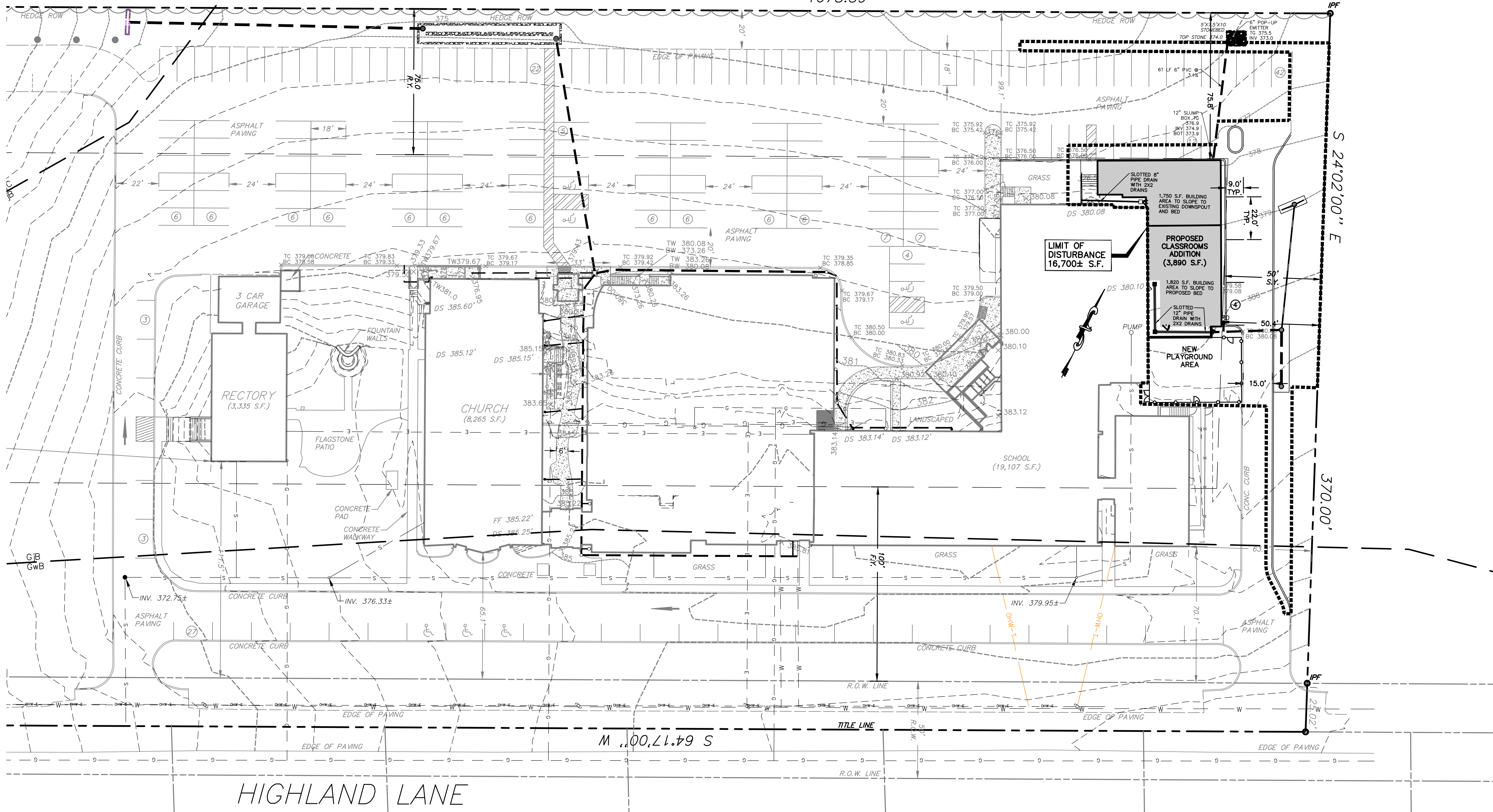
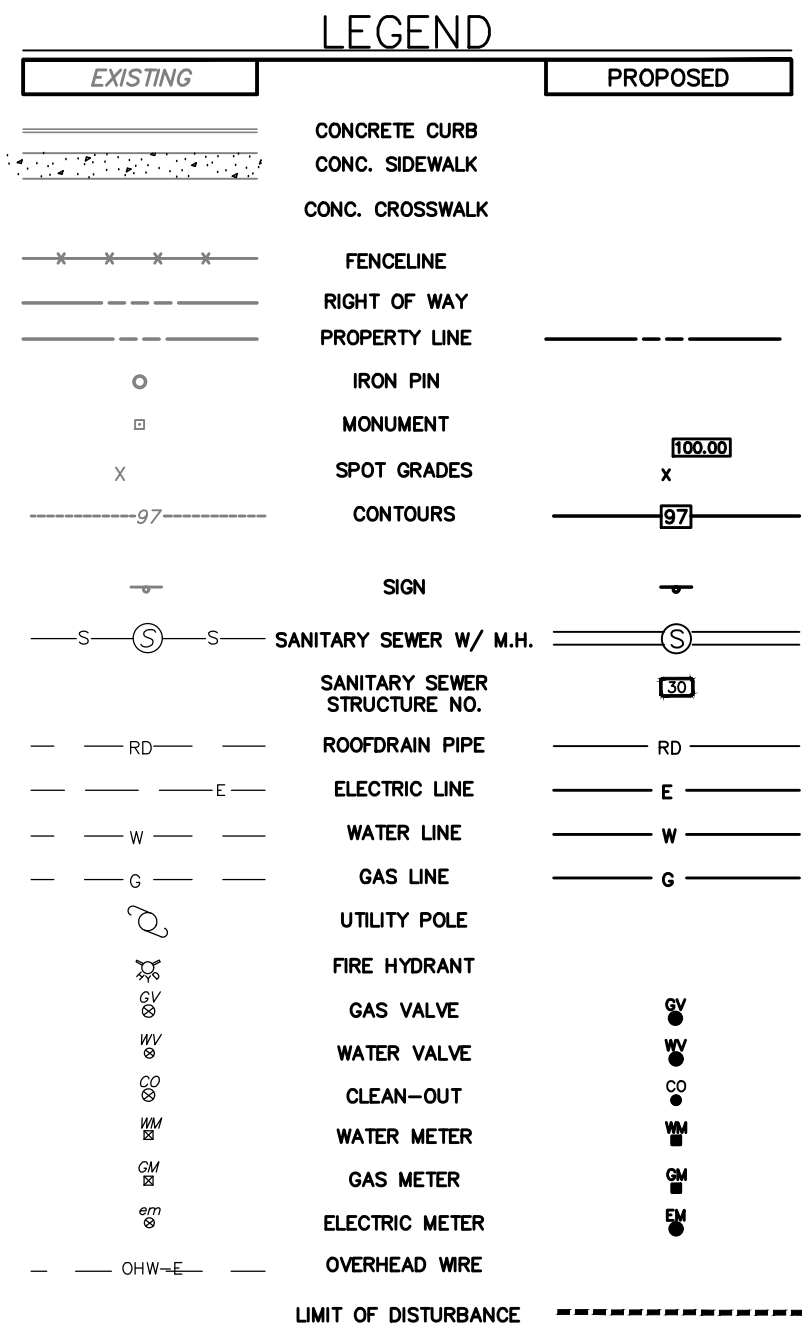
BUILDING ADDITION FOR

SS. COLMAN-JOHN NEUMANN SCHOOL

380 HIGHLAND LANE

HAVERFORD TOWNSHIP DELAWARE COUNTY, PA

DATE:	04/25/2025	SCALE:	1	DRAWN BY:	2	CHECKED BY:	3	PROJ. NO.:	2514	SHEET OF:	7
SHEET NO.		C-6		2514		7		6		7	



SHEET 7



DARBY AND MARPLE ROAD ACT 537 SPECIAL STUDY

**Township of Haverford
1014 Darby Road
Havertown, PA 19083**

Prepared by:
Pennoni
1900 Market Street
Philadelphia, PA 19103
HAVTT13242
June 5, 2025

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APPENDICES

Appendix A- Exhibits and Maps

Appendix B- Basis of Design & Cost Estimate

Appendix C- Onlot Sewage Disposal System Survey

Appendix D- Resolution of Adoption

Executive Summary

The Pennsylvania Sewage Facilities Act (Act 537) enacted by the Pennsylvania Legislature in 1966 requires municipalities in the Commonwealth to develop and maintain a current sewage facilities management plan. Haverford Township owns and operates the sanitary sewage collection system and is authorized to prepare, update, and implement Act 537 planning.

This Act 537 Special Study (“Study”) identifies the wastewater needs of the northwest portion of Haverford Township, specifically the areas bordering Darby Road and Marple Road, and evaluates alternatives for the long term disposal of sewage. For the most part, this portion of the Township currently utilizes various on-lot sewage disposal systems, with adjacent areas of the Township connected to public sewer. This Study considers existing wastewater facilities, topography, property owner needs, alternatives, and estimated costs associated with each evaluated alternative. Site specific inspections of existing on-lot sewage disposal systems were not performed.

The alternatives evaluated in this Study are: (1) no action alternative, and (2) construct and extend public sewer. The “no action” alternative maintains the existing on-lot disposal systems on individual properties. Property owners are responsible for the operation and maintenance of the systems and addressing necessary repairs or malfunctions. The Township would prepare a Sewage Management Plan and associated Ordinance to establish procedures for properties with on-lot sewage disposal systems in accordance with PA DEP requirements. The “construct and extend public sewer” alternative extends the existing public sewer to the study area. Both cost and physical limitations may affect the feasibility of this option.

The selected alternative to address the current and future sewage disposal needs in the northwest portion of Haverford Township is to maintain the existing on-lot sewage disposal systems within the Study area.

A. Previous Act 537 Sewage Facilities Plans

In 1971, a Sewage Facilities Plan for Delaware County was prepared by the Delaware County Planning Department. This 1971 Plan included sewage facilities planning for Haverford Township. Subsequent Special Studies were prepared in 1992 and 1997 to evaluate the feasibility and anticipated costs to extend public sewer service to unsewered properties in Darby Road and Marple Road area of the Township.

This Study reevaluates the Darby Road and Marple Road areas discussed in the 1992 and 1997 Studies.

B. Existing Facilities

Haverford Township is divided into two service areas identified as the Cobbs Creek service area and the Darby Creek service area, with a combined 149 miles of sanitary sewer piping. Wastewater flows from the Cobbs Creek sewershed are conveyed from Haverford to Upper Darby Township and ultimately to the City of Philadelphia Southwest Treatment Plant. The Darby Creek sewershed is conveyed through the Radnor-Haverford-Marple Authority's (RHM) interceptor along Darby Creek and ultimately to the DELCORA. A small area in the northern portion of the Township is conveyed to Radnor Township.

The Study area is within the Darby Creek Service area, and is further identified as follows.

The Study area boundary follows Coopertown Road from the Township border, turns west on College Avenue, follows Coopertown Road to Darby Road, then turns west again near Dartmouth Lane.

In 1988, an eight (8") inch diameter sanitary sewer was constructed by the developer to serve the Quadrangle Retirement Community. The sewer system extends to all the existing buildings, and terminates approximately 700 feet from Darby Road. The Quadrangle owns and maintains the sanitary sewer system on their property. A portion of this system also extends on to the Haverford Reserve property, and it owned and maintained by the Township.

Three (3) subdivisions in close proximity to the Study area were constructed with sanitary sewer, including The Greens of Merion (1982), Allgates (1985), and 4008 Darby Road (2023/2024). The Greens of Merion and Allgates are served by 8-inch sewers and individual pump station, owned and maintained by homeowners associations. The developer for 4008 Darby Road extended a low pressure force main to Brennan Drive to serve the two (2) new dwellings as well provide the opportunity for adjacent properties to connect to public sewer. The sewer extension is owned and maintained by the Township.

The existing sanitary sewer system has the capacity to accommodate the Township's wastewater needs. Approximately 90% of the population is served by the existing facilities and the other 10% utilize on-lot sewage disposal systems.

Modest population growth is anticipated for Haverford Township over the next 30 years. There are limited areas for land development and proposed projects are generally in-fill development and improvements to existing properties.

	1980	1990	2000	2010	2020
Haverford	52,349	49,848	49,608	48,491	50,431

Table 1: Historic Population Data via 2020 census

	2020	2030	2040	2050	2060
Haverford	50,431	50,644	50,791	50,649	50,649

Table 2: Population & Employment Forecast Data via Delaware Valley Regional Planning Commission

C. Study Area Description

Marple Road is oriented east and west, with the South Brook tributary to Darby Creek to the north, and Merion Golf Club's West Course to the south. Darby Road is also oriented east and west, with residential properties to the north and the Haverford Reserve property to the south. Minimum lot size for the Study area per Haverford Township's Zoning Ordinance is one (1) acre, with the majority of the lots meeting this requirement.

Steep slopes are present throughout the Study area, and floodplain and wetland areas have also been identified. The Flood insurance Rate Map and U.S.G.S. Wetland inventory maps are included in Appendix A. These maps provide a preliminary indication of flood plains and wetlands, and not an official delineation as would be required by the Department of Environmental Protection should construction occur.

The Township's soil survey indicates a variety of soil types within the study area. A large portion of the Study area consists of Glenelg-Wheaton complex and Glenelg-Urban Land-Wheaton complex. A soil classification overlay map is shown in Appendix A. The Study area soils have limiting features that may impact the feasibility of on-lot sewage disposal systems.

D. Disposal System Questionnaire

The Township distributed a questionnaire to sixty-eight (68) residences with on-lot disposal systems, for the most part located in the Study area, in late 2023. Questions were included to indicate the age and condition of existing on-lot sewage disposal systems and identify properties that have required repairs or experienced malfunctions. A copy of the questionnaire and the results are included in Appendix C.

Of the sixty-seven (67) homeowners surveyed, responses were received from thirty (30).

The thirty (30) responses indicated their repairs or replacement of on-lot sewage disposal systems since owning their respective properties. Two (2) residents indicated pumping septic tank or cesspools more than once a year. Five (5) have had indicated physical evidence of possible malfunctions of system. Twelve (12) have known cesspools which are no longer permitted in Pennsylvania.

Address		Cesspool	Septic Tank	Inground bed
Marple	116 Marple Road		1	
	120 Marple Road	1		
	124 Marple Road			1
	151 Marple Road	1		
	159 Marple Road	1		
	41 Marple Road	1		
	56 Marple Road		1	
Darby	3600 Darby Road			1
	3624 Darby Road			1
	3632 Darby Road	1		1
	3701 Darby Road	1		
	3713 Darby Road			1
	3728 Darby Road	1		
	3932 Darby Road			1
Adjacent or Close Proximity to Existing Sewer	76 Brennan Drive		1	
	84 Brennan Drive			1
	1735 Burmont Road	1	1	
	513 College Ave			1
	2 Coopertown Road		1	
	3 Coopertown Road	1		
	620 Ellis Road	1		
	329 Ellis Road	1		
	1516 Steel Road	1		
Total		12	5	8

Table 3: Residents System Type

E. Alternatives

1. Remain On-lot Sewage Disposal

For this alternative the properties currently utilizing on-lot sewage disposal systems would continue to do so. No public improvements would be proposed. Each property owner would continue to be responsible for the operation and maintenance of their on-lot sewage disposal system. If an existing system fails, proposed methods of sewage disposal would be evaluated on case-by-case basis. The soil classifications indicated on the soils map included in Appendix A are identified as limited for on-lot sewage disposal; however, field conditions have allowed for full replacements of systems using conventional technologies.

Based on homeowner survey results, additional education would be provided to ensure homeowners are properly operating and maintaining their systems. Approximately 52% of the survey responses received indicate utilizing cesspools, which are no longer permitted in Pennsylvania, and there is limited information regarding maintenance. Most of the homes were constructed prior to current design standards for on-lot sewage disposal systems.

Selection of this alternative would require the Township to implement a Sewage Management Plan approved by the PA DEP, including enactment of an Ordinance governing the management of on-lot sewage disposal facilities.

2. Construct / Extend Public Sewer

This alternative would include the extension of the sanitary sewers to serve properties located on Darby Road and Marple Road. A gravity sewer system may be feasible, however, site constraints in the Study area may require the construction of a low-pressure sewer system. If a low pressure system is required, a pump on each property would be needed to eject wastewater into the sanitary sewer main. Advantages of a low pressure system include smaller pipe size, less excavation, and more flexibility regarding layout.

If the Township selects this alternative, property owners would have the option to connect to the system immediately, or would be required to connect if the on-lot system malfunctions or in the event of transfer of ownership of the property. The Township would implement a Sewage Management Plan approved by PA DEP for properties that will not connect to public sewer at the time of installation.

F. Cost Estimates**1. *Remain On-lot Sewage Disposal***

Continuing to utilize on-lot sewage disposal systems in the Study area would require no construction costs. Property owners would continue to be responsible for maintenance of their on-lot sewage disposal system.

The Township would incur costs associated with establishing a Sewage Management Program. Estimated costs to prepare and establish a Sewage Management Program are \$20,000 to \$30,000.

2. *Construct / Extend Public Sewer*

The Township would finance and construct the sanitary sewer extensions to the Study area, their costs would be recovered through a separate Tapping Fee district. Property owners would be responsible for the costs associated with connecting their homes, including laterals and the connection to the main. Cost estimates for both gravity and low pressure systems were prepared, utilizing the conceptual design quantities included with the 1997 Marple Road special study (see Appendix B).

The Township's estimated costs to construct a low pressure sewer system on Darby Road and Marple Road are \$2,500,000 to \$3,000,000. The low pressure system would be installed within the right of way of Marple and Darby Road. The estimated Tapping Fees per property are \$55,000 to \$65,000. A low pressure system would require each property owner to install a grinder pump. The estimated cost per property for their privately owned facilities are \$40,000 to \$50,000.

The estimated costs for the Township to finance and to construct a gravity sanitary sewer system are \$5,000,000 to \$5,500,000. The gravity system would be installed within the right of way of Marple and Darby Road. For the portions of the Township owned system not within the right of way additional costs for easements will be needed. The estimated Tapping Fee per property is \$100,000 to \$125,000. The gravity system will require each property owner to install the sanitary sewer lateral and connection, which is estimated to be \$15,000 to \$20,000 per property.

Cost estimate details are attached as Appendix B.

G. Institutional Evaluation & Selected Alternative

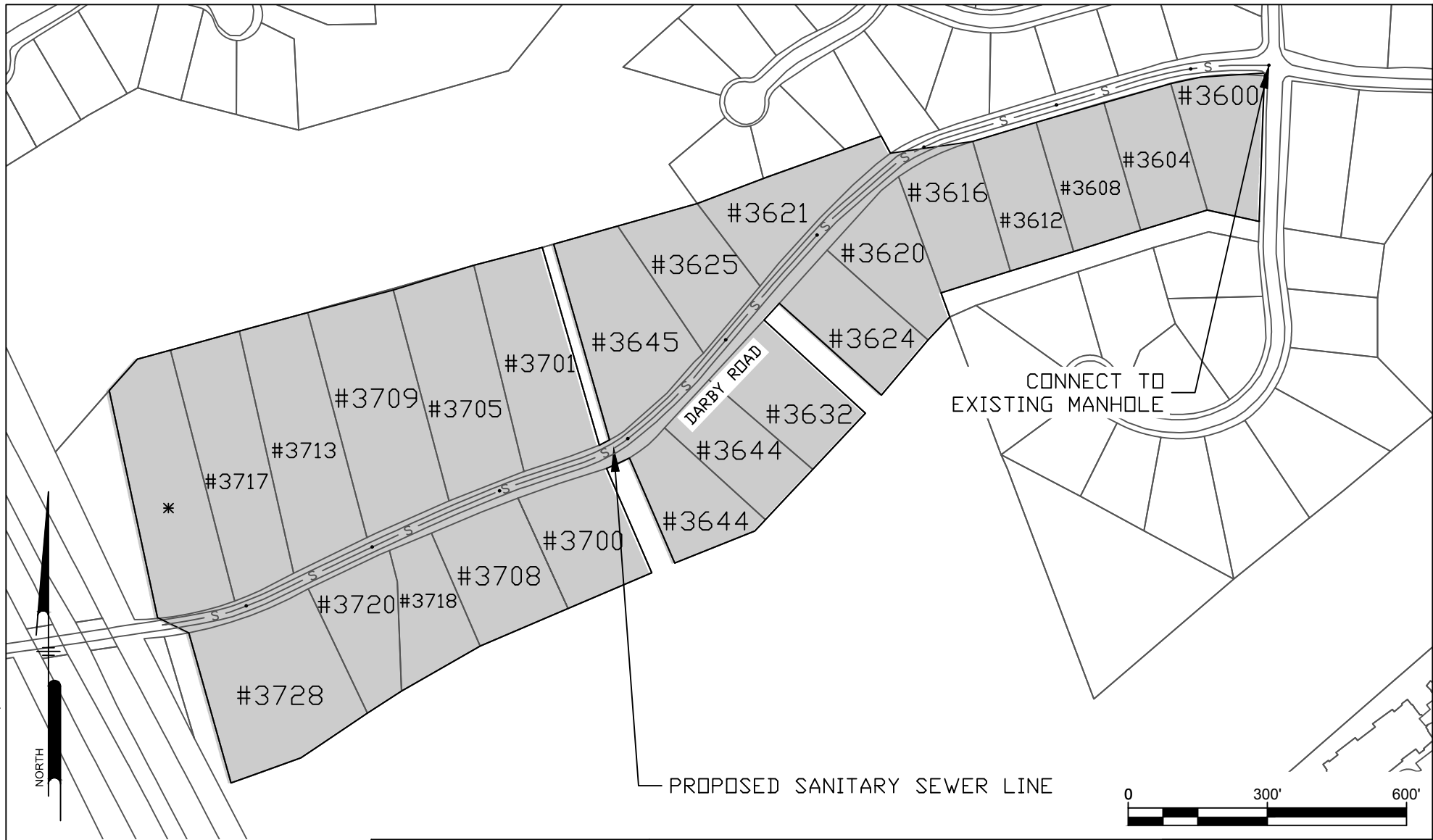
Both the construction of public sanitary sewers and maintenance of existing on-lot sewage disposal systems allow for the proper sewage disposal. Maintenance of existing on-lot systems can continue, and has a lower cost. Construction of public sanitary sewer would require additional planning, increased operation and maintenance costs to the Township, and a higher capital construction cost. The Township receives a permit application for a full on-lot sewage disposal system replacement approximately every two (2) years. Full replacements are typically both permittable and constructable using conventional systems.

Due to challenges with construction and the high costs associated with extending the public sewer system to both the Township and property owners, the Township will continue to utilize on-lot sewage disposal systems within the Study area. In conjunction with the Delaware County Health Department, the Township will develop a Sewage Management Program to establish operation and maintenance policies and procedures for the management of on-lot sewage disposal systems within the Township.

APPENDIX A:
EXHIBITS & MAPS

Study Area Map
Haverford Township Sanitary Sewer Map
USGS Location Map
Soils Report
Geology
FEMA Maps

U:\ACCOUNTS\HVVTT\HVVTT13242 - ACT 537 UPDATE, DARBY MARPLE RD OLDS\DOC PREP\CAD\EX - 1-1.DWG
PLOTTED: 6/5/2025 3:45:34 PM, BY: OLIVIA SZABO PLOTSTYLE: -----, PROJECT STATUS: -----



*NO ADDRESS FOR TAX PARCEL



PENNONI ASSOCIATES INC.

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ACT 537 - SPECIAL STUDY
HAVERFORD
PA

**DARBY ROAD STUDY AREA - SEWER
EXTENSION**

HAVERFORD TOWNSHIP
1014 DARBY ROAD
HAVERFORD, PA 19083

PROJECT **HAVTT13242**

DATE **2025-05-28**

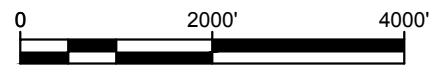
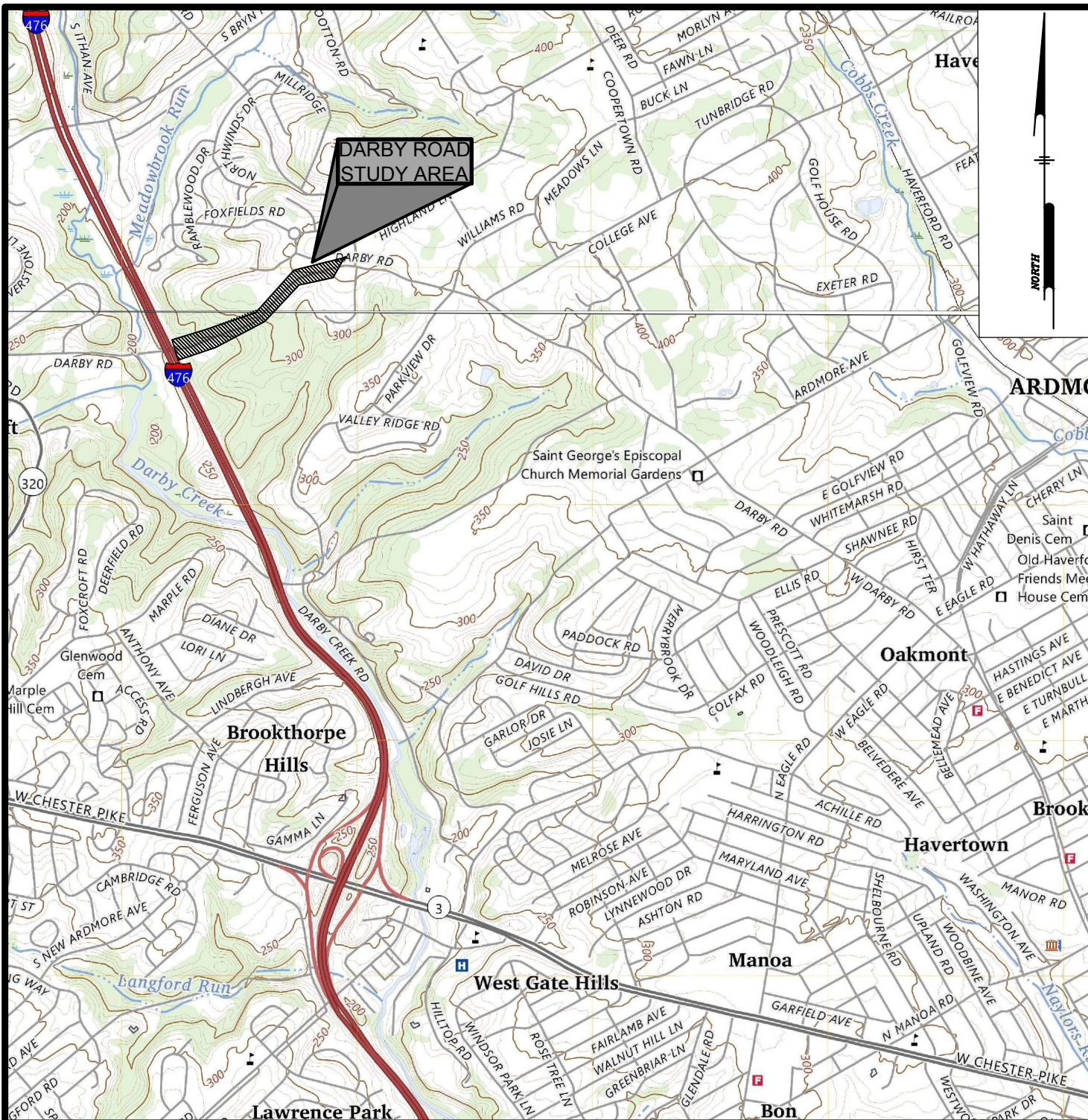
DRAWING SCALE **1"=300'**

DRAWN BY **ZAP**

APPROVED BY **BG**

EX -2-1

SHEET **1** OF **2**



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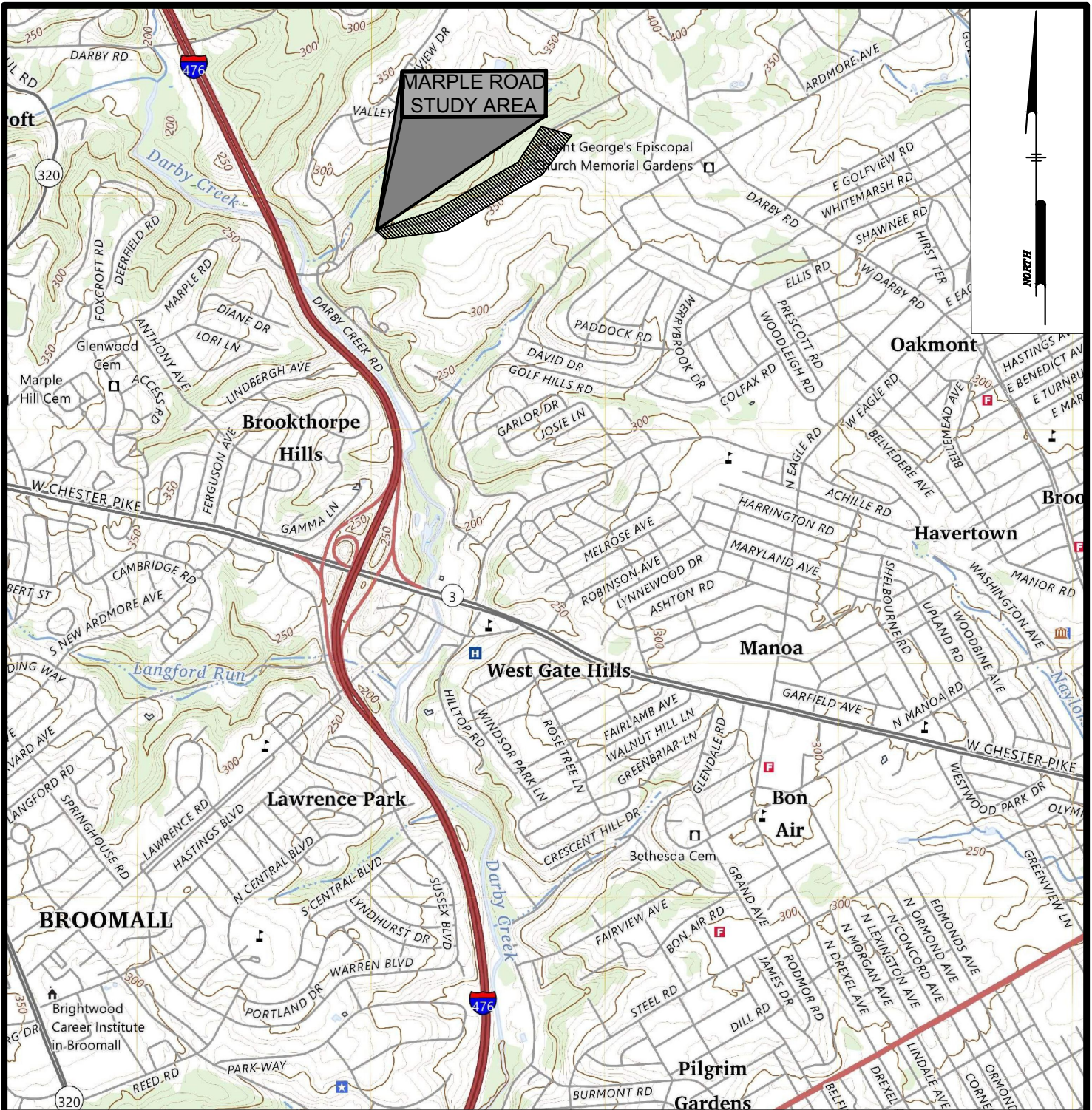
HAVERFORD SPECIAL STUDY ACT 537
 HAVERFORD, PA

USGS MAP - DARBY ROAD

HAVERFORD TOWNSHIP
 1014 DARBY ROAD
 HAVERFORD, PA 19081

PROJECT	HAVTT13242
DATE	2025-05-15
DRAWING SCALE	1"=2000'
DRAWN BY	OMS
APPROVED BY	BG
FIGURE 2	
SHEET	1 OF 1

U:\ACCOUNTS\HAVTT13242 - ACT 537 UPDATE - DARBY - MARPLE RD OLDSDOC PREP\CAUSGS DARBY.DWG
 PLOTTED: 5/29/2025 10:51:55 AM, BY: ERIN ERNST PLOTSTYLE: PENNONI NCS.SBT, PROJECT STATUS: —



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HAVERFORD SPECIAL STUDY ACT 537
HAVERFORD, PA

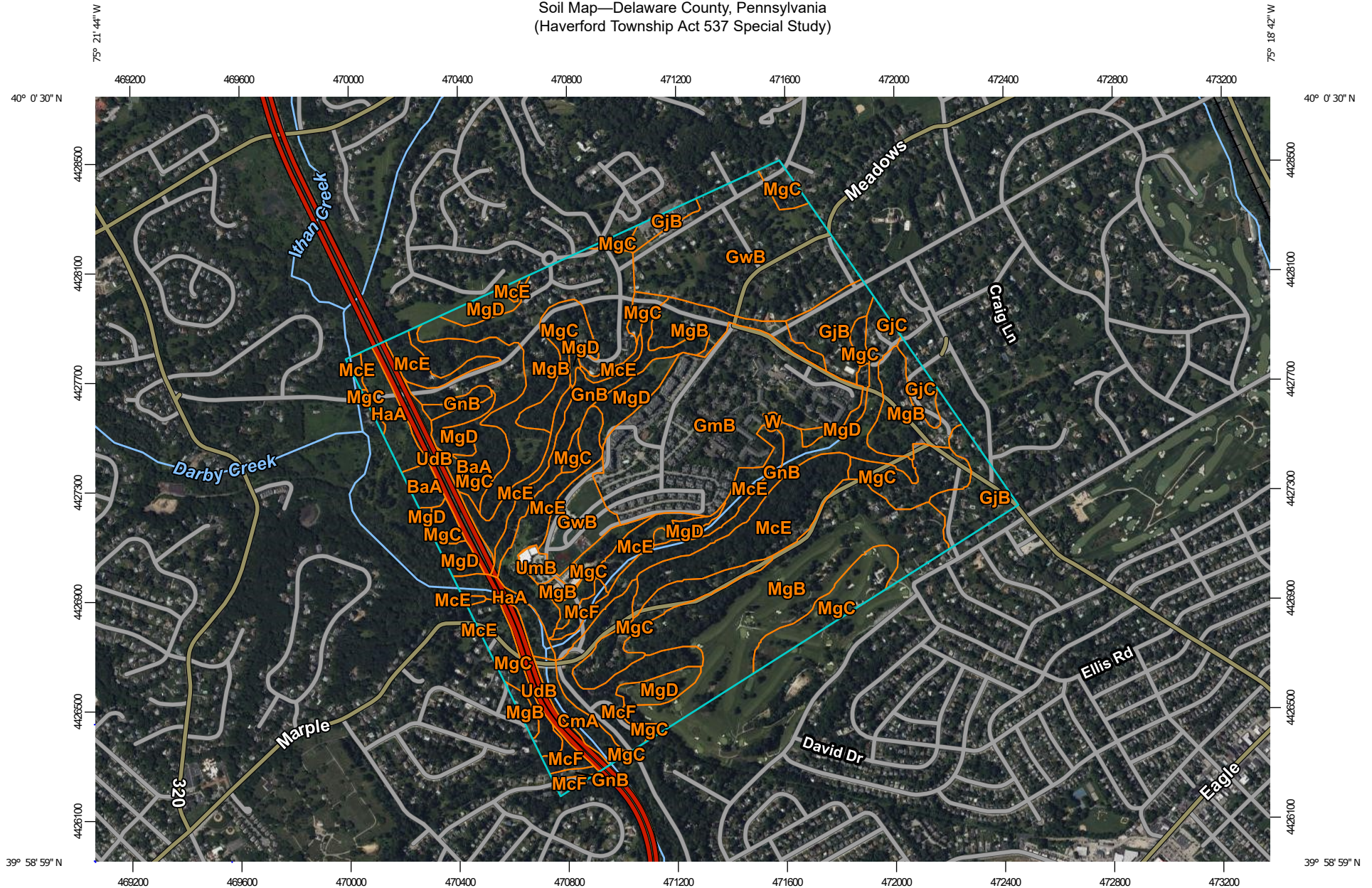
USGS MAP - MARPLE ROAD
HAVERFORD TOWNSHIP
1014 DARBY ROAD
HAVERFORD, PA 19081

PROJECT	HAVTT13242
DATE	2025-05-15
DRAWING SCALE	1"=2000'
DRAWN BY	OMS
APPROVED BY	BG

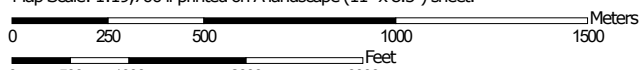
FIGURE 1

SHEET 1 OF 1

Soil Map—Delaware County, Pennsylvania
(Haverford Township Act 537 Special Study)



Map Scale: 1:19,700 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84



**Natural Resources
Conservation Service**

Web Soil Survey
National Cooperative Soil Survey

5/29/2025
Page 1 of 3


MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Delaware County, Pennsylvania

Survey Area Data: Version 22, Sep 4, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 5, 2022—Jul 4, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Sewage Disposal

This table shows the degree and kind of soil limitations that affect septic tank absorption fields and sewage lagoons. The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect these uses. *Not limited* indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. *Somewhat limited* indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. *Very limited* indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the table indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

Septic tank absorption fields are areas in which effluent from a septic tank is distributed into the soil through subsurface tiles or perforated pipe. Only that part of the soil between depths of 24 and 72 inches or between a depth of 24 inches and a restrictive layer is evaluated. The ratings are based on the soil properties that affect absorption of the effluent, construction and maintenance of the system, and public health. Saturated hydraulic conductivity (Ksat), depth to a water table, ponding, depth to bedrock or a cemented pan, and flooding affect absorption of the effluent. Stones and boulders, ice, and bedrock or a cemented pan interfere with installation. Subsidence interferes with installation and maintenance. Excessive slope may cause lateral seepage and surfacing of the effluent in downslope areas.

Some soils are underlain by loose sand and gravel or fractured bedrock at a depth of less than 4 feet below the distribution lines. In these soils the absorption field may not adequately filter the effluent, particularly when the system is new. As a result, the ground water may become contaminated.

Sewage lagoons are shallow ponds constructed to hold sewage while aerobic bacteria decompose the solid and liquid wastes. Lagoons should have a nearly level floor surrounded by cut slopes or embankments of compacted soil. Nearly impervious soil material for the lagoon floor and sides is required to minimize seepage and contamination of ground water. Considered in the ratings are slope, saturated hydraulic conductivity (Ksat), depth to a water table, ponding, depth to bedrock or a cemented pan, flooding, large stones, and content of organic matter.

Saturated hydraulic conductivity (Ksat) is a critical property affecting the suitability for sewage lagoons. Most porous soils eventually become sealed when they are used as sites for sewage lagoons. Until sealing occurs, however, the hazard of pollution is severe. Soils that have a Ksat rate of more than 14 micrometers per second are too porous for the proper functioning of sewage lagoons. In these soils, seepage of the effluent can result in contamination of the ground water. Ground-water contamination is also a hazard if fractured bedrock is within a depth of 40 inches, if the water table is high enough to raise the level of sewage in the lagoon, or if floodwater overtops the lagoon.

A high content of organic matter is detrimental to proper functioning of the lagoon because it inhibits aerobic activity. Slope, bedrock, and cemented pans can cause construction problems, and large stones can hinder compaction of the lagoon floor. If the lagoon is to be uniformly deep throughout, the slope must be gentle enough and the soil material must be thick enough over bedrock or a cemented pan to make land smoothing practical.

Information in this table is intended for land use planning, for evaluating land use alternatives, and for planning site investigations prior to design and construction. The information, however, has limitations. For example, estimates and other data generally apply only to that part of the soil between the surface and a depth of 5 to 7 feet. Because of the map scale, small areas of different soils may be included within the mapped areas of a specific soil.

The information is not site specific and does not eliminate the need for onsite investigation of the soils or for testing and analysis by personnel experienced in the design and construction of engineering works.

Government ordinances and regulations that restrict certain land uses or impose specific design criteria were not considered in preparing the information in this table. Local ordinances and regulations should be considered in planning, in site selection, and in design.

Report—Sewage Disposal

[Onsite investigation may be needed to validate the interpretations in this table and to confirm the identity of the soil on a given site. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. The table shows only the top five limitations for any given soil. The soil may have additional limitations]

Sewage Disposal—Delaware County, Pennsylvania					
Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
BaA—Baile silt loam, frequently ponded, 0 to 3 percent slopes					
Baile, frequently ponded	90	Very limited		Very limited	
		Ponding	1.00	Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Slow water movement	1.00	Seepage	0.05

Sewage Disposal--Delaware County, Pennsylvania					
Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
CmA---Codorus silt loam, 0 to 3 percent slopes, occasionally flooded					
Codorus	85	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Slow water movement	1.00	Seepage	0.05
GjB---Glenelg channery loam, 3 to 8 percent slopes					
Glenelg	85	Very limited		Somewhat limited	
		Slow water movement	1.00	Slope	0.92
		Depth to bedrock	0.77	Depth to soft bedrock	0.42
				Seepage	0.05
GjC---Glenelg channery loam, 8 to 15 percent slopes					
Glenelg	85	Very limited		Very limited	
		Slow water movement	1.00	Slope	1.00
		Depth to bedrock	0.77	Depth to soft bedrock	0.42
		Slope	0.63	Seepage	0.05
GmB---Glenelg-Urban land-Wheaton complex, 0 to 8 percent slopes					
Glenelg	36	Very limited		Somewhat limited	
		Slow water movement	1.00	Depth to soft bedrock	0.42
		Depth to bedrock	0.77	Slope	0.32
				Seepage	0.05
Urban land	34	Not rated		Not rated	
Wheaton	30	Very limited		Somewhat limited	
		Slow water movement	1.00	Slope	0.32
GnB---Glenville silt loam, 3 to 8 percent slopes					
Glenville	90	Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Slow water movement	1.00	Slope	0.92

Sewage Disposal--Delaware County, Pennsylvania					
Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
GwB—Glenelg-Wheaton complex, 0 to 8 percent slopes					
Glenelg	50	Very limited		Somewhat limited	
		Slow water movement	1.00	Depth to soft bedrock	0.42
		Depth to bedrock	0.77	Slope	0.32
				Seepage	0.05
Wheaton	35	Very limited		Somewhat limited	
		Slow water movement	1.00	Slope	0.32
HaA—Hatboro silt loam, 0 to 3 percent slopes, frequently flooded					
Hatboro, frequently flooded	95	Very limited		Very limited	
		Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Slow water movement	1.00	Seepage	0.05
McE—Manor channery loam, 25 to 35 percent slopes					
Manor	90	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Seepage, bottom layer	1.00	Seepage	1.00
		Slow water movement	0.95		
McF—Manor channery loam, 35 to 60 percent slopes					
Manor	90	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Seepage, bottom layer	1.00	Seepage	1.00
		Slow water movement	0.95		
MgB—Manor loam, 3 to 8 percent slopes					
Manor	90	Very limited		Very limited	
		Seepage, bottom layer	1.00	Seepage	1.00
		Slow water movement	0.95	Slope	0.92
MgC—Manor loam, 8 to 15 percent slopes					
Manor	90	Very limited		Very limited	
		Seepage, bottom layer	1.00	Slope	1.00
		Slow water movement	0.95	Seepage	1.00
		Slope	0.63		

Sewage Disposal--Delaware County, Pennsylvania					
Map symbol and soil name	Pct. of map unit	Septic tank absorption fields		Sewage lagoons	
		Rating class and limiting features	Value	Rating class and limiting features	Value
MgD—Manor loam, 15 to 25 percent slopes					
Manor	90	Very limited		Very limited	
		Slope	1.00	Slope	1.00
		Seepage, bottom layer	1.00	Seepage	1.00
		Slow water movement	0.95		
UdB—Urban land, schist and gneiss, 0 to 8 percent slopes					
Urban land, schist and gneiss	90	Not rated		Not rated	
UmB—Urban land-Wheaton complex, schist and gneiss, 0 to 8 percent slopes					
Urban land, schist and gneiss	60	Not rated		Not rated	
Wheaton	32	Very limited		Somewhat limited	
		Slow water movement	1.00	Slope	0.32
W—Water					
Water	100	Not rated		Not rated	

Data Source Information

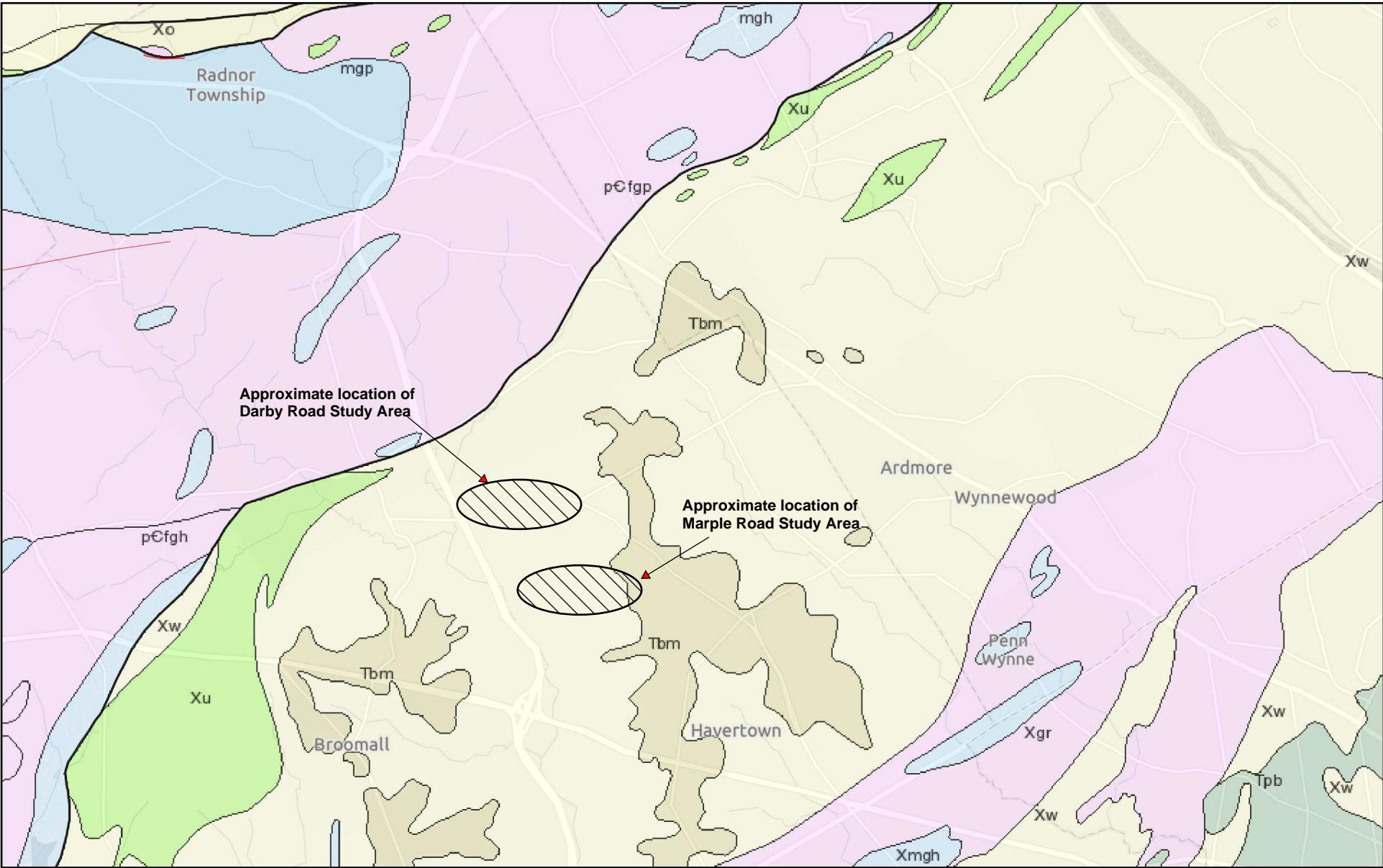
Soil Survey Area: Delaware County, Pennsylvania

Survey Area Data: Version 22, Sep 4, 2024

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BaA	Baile silt loam, frequently ponded, 0 to 3 percent slopes	5.4	0.7%
CmA	Codorus silt loam, 0 to 3 percent slopes, occasionally flooded	8.0	1.0%
GjB	Glenelg channery loam, 3 to 8 percent slopes	34.0	4.5%
GjC	Glenelg channery loam, 8 to 15 percent slopes	5.4	0.7%
GmB	Glenelg-Urban land-Wheaton complex, 0 to 8 percent slopes	92.8	12.2%
GnB	Glenville silt loam, 3 to 8 percent slopes	51.4	6.7%
GwB	Glenelg-Wheaton complex, 0 to 8 percent slopes	84.4	11.0%
HaA	Hatboro silt loam, 0 to 3 percent slopes, frequently flooded	17.8	2.3%
McE	Manor channery loam, 25 to 35 percent slopes	81.8	10.7%
McF	Manor channery loam, 35 to 60 percent slopes	31.1	4.1%
MgB	Manor loam, 3 to 8 percent slopes	168.1	22.0%
MgC	Manor loam, 8 to 15 percent slopes	121.3	15.9%
MgD	Manor loam, 15 to 25 percent slopes	36.4	4.8%
UdB	Urban land, schist and gneiss, 0 to 8 percent slopes	21.1	2.8%
UmB	Urban land-Wheaton complex, schist and gneiss, 0 to 8 percent slopes	4.0	0.5%
W	Water	0.8	0.1%
Totals for Area of Interest		763.6	100.0%

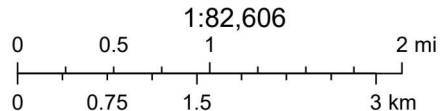
Haverford Geology



5/22/2025

- Dikes**
 Solid - identity certain, location accurate
 Dashed - identity certain, location approximate
 Queried and dashed - identity or existence questionable, location approximate
- Faults**
 Solid - identity certain, location accurate
 Dashed - identity certain, location approximate
 Queried and dashed - identity or existence questionable, location approximate
- Geology Symbols**
 Quaternary
 Qs - Sands of Presque Isle
 Qt - Trenton Gravel
- Folds**
 Solid - identity certain, location accurate
 Dashed - identity certain, location approximate
 Queried and dashed - identity or existence questionable, location approximate
- Bedrock Contacts**
 Solid - identity certain, location accurate

- Tertiary**
 Tpb - Pensauken and Bridgeton Formations, undifferentiated
 Tbm - Bryn Mawr Formation
 Kp - Palapso(?) Formation
 Js - Sedimentary strata at Jacksonwald and Aspers
 JTrgc - Gettysburg conglomerate
- Jurassic and Triassic**
 JTrg - Gettysburg Formation
 JTrfq - Quartz fanglomerate
 JTrd - Diabase
 JTrb - Brunswick Formation
 Trl - Limestone fanglomerate
 Trh - Hammer Creek Formation
- Triassic**
 Trh - Hammer Creek Formation
 Trc - Stockton conglomerate
- Quaternary**
 Qs - Sands of Presque Isle
 Qt - Trenton Gravel
- Quaternary**
 Qs - Sands of Presque Isle
 Qt - Trenton Gravel



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, PA DCNR

NOTES TO USERS

is for use in administering the National Flood Insurance Program. It does not identify all areas subject to flooding, particularly from local sources of small size. The community map repository should be used for possible updated or additional flood hazard information.

For more detailed information in areas where **Base Flood Elevations** and/or **floodways** have been determined, users are encouraged to consult Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations obtained within the Flood Insurance Study (FIS) report that accompanies this map. Users should be aware that BFEs shown on the FIRM represent whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be in conjunction with the FIRM for purposes of construction and/or floodplain management.

Elevations of the floodways were computed at cross sections and interpolated at cross sections. The floodways were based on hydraulic considerations and to requirements of the National Flood Insurance Program. Floodway and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Areas not in Special Flood Hazard Areas may be protected by **flood structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The datum used in the preparation of this map was Universal Transverse Mercator (UTM) Zone 18. Horizontal datum was NAD 83. GRS80 spheroid. Vertical datum, spheroid, projection or UTM zones used in the production of this map or adjacent jurisdictions may result in slight positional differences in map across jurisdiction boundaries. These differences do not affect the accuracy of the FIRM.

Elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding differences between the National Geodetic Survey Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

National Geodetic Survey
Geodetic Survey, NOAA
Fainting Metro Center
1400 West Highway
Fainting, Maryland 20910
Phone: 410-326-7100
Fax: 410-326-7101

In current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at www.ngs.noaa.gov.

MAP SOURCE: Base map files were obtained in digital spatial data format from Delaware Valley Regional Planning Commission and Delaware County, Pennsylvania. The county boundary was downloaded from the 2000 line files. 2002 and 2005 digital orthophotographs were provided by the Delaware Valley Regional Planning Commission. Adjustments were made to base map features to align them to 1"=200' scale orthophotos.

In updated topographic information, this map reflects more detailed and accurate stream channel configurations and floodplain delineations than shown on the previous FIRM for this jurisdiction. As a result, the Flood Insurance Study Data tables may reflect stream channel distances that are different from what is shown on the map. Also, the road to floodplain relationships for streams may differ from what is shown on previous maps.

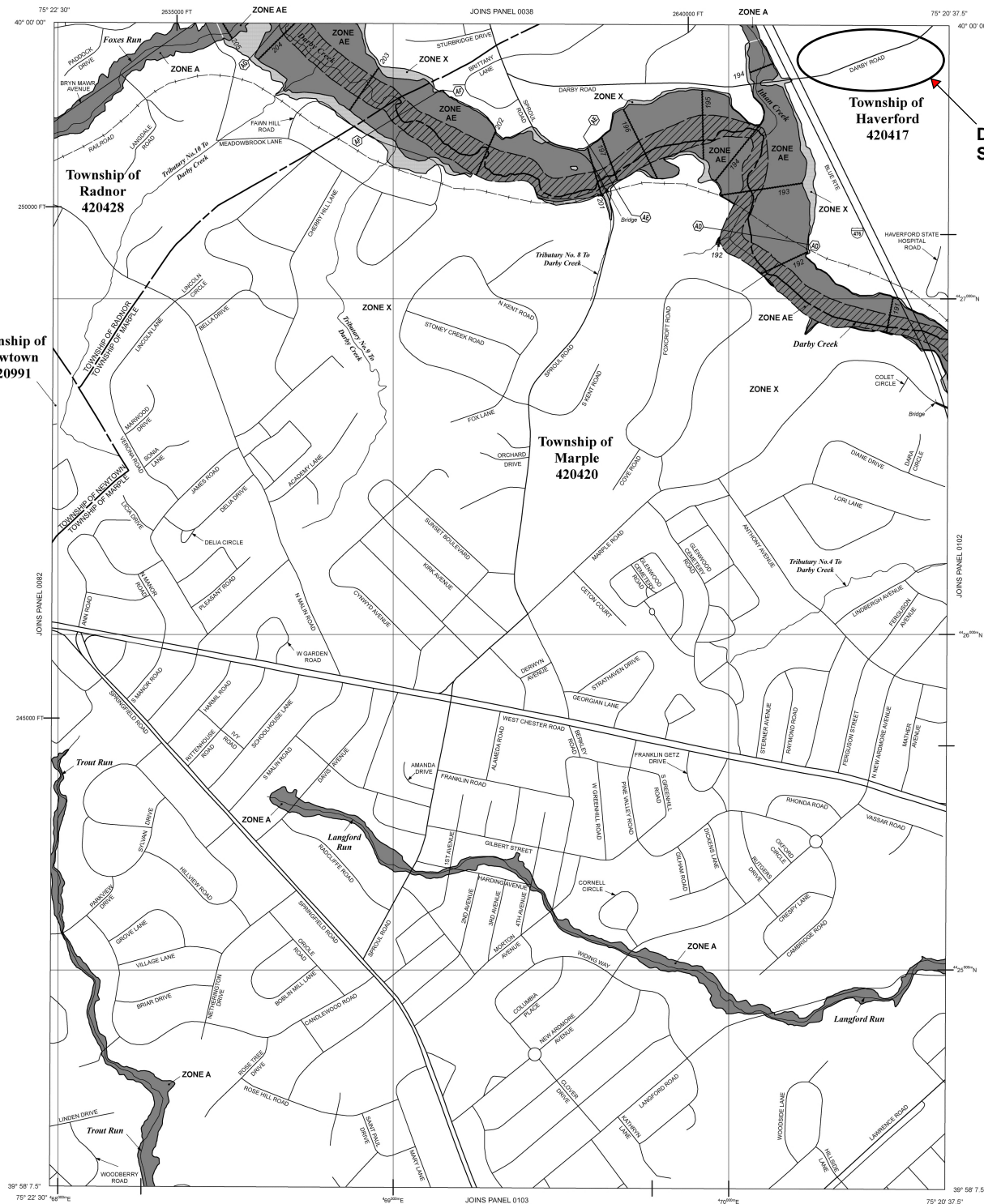
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Refer to the separately printed **Map Index** for an overview map of the Delaware Valley showing the layout of map panels, community map repository addresses, and listing of Communities table containing National Flood Insurance Program and other community information as well as a listing of the panels on which each community is located.

For the FEMA Map Service Center at 1-800-358-9616 for information on products associated with this FIRM. Available products may include Flood Insurance Study Letters of Map Change, a Flood Insurance Study report, and/or other products of this map. The FEMA Map Service Center may also be reached at 1-800-358-9620 and its website at <http://info.fema.gov>.

For questions about this map or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA MAP (1-877-336-3627) or visit the FEMA website at <http://www.fema.gov/business/nfip>.

Elevations may be shown to the nearest tenth of a foot. Users should consult the Flood Insurance Study (FIS) for detailed flood elevation information.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBDIVIDED BY THE 1% ANNUAL CHANCE FLOOD INUNDATION BY THE 1% ANNUAL CHANCE FLOOD
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 Special Flood Hazard Areas are subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard are designated as follows: Zone A, AE, AH, AD, AR, AR9, V, and VE. The Base Flood Elevation is the water elevation of the 1% annual chance flood.

Zone A
No Base Flood Elevations determined.
Zone AE
Base Flood Elevations determined.
Zone AH
Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
Zone AD
Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); depths determined. For areas of alluvial fan flooding, velocity determined.
Zone AR
Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently determined to be inadequate; the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
Zone AR9
Area to be protected from 1% annual chance flood by a Federal protection system under construction; no Base Flood Elevation determined.
Zone V
Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
Zone VE
Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE
The floodway is the channel of a stream plus any adjacent floodplain areas that must be encroached so that the 1% annual chance flood can be carried without substantial increase in flood heights.

OTHER FLOOD AREAS
Zone X
Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than one square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS
Zone X
Areas determined to be outside the 0.2% annual chance floodplain.
Zone D
Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS
OTHERWISE PROTECTED AREAS (OPAs)
CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary
0.2% annual chance floodplain boundary
Floodway boundary
Zone D boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Areas of different Flood Elevations, flood depths or flood velocities
Base Flood Elevation line and value; elevation in feet*
Base Flood Elevation value where uniform within zone, in feet
*** Referenced to the North American Vertical Datum of 1988**
Transsect line
Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
1000-meter Universal Transverse Mercator grid values, in meters
5000-foot grid ticks: Pennsylvania State Plane coordinate system (NAD 83/2011), Lambert Conformal Conic projection
Bench mark (see explanation in Notes to Users section FIRM panel)
DX5510 x
M1.5
River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
SEPTEMBER 30, 1993

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
MAY 2, 1995

NOVEMBER 18, 2009 - to change Special Flood Hazard Areas, to delete Special Flood Areas, to reflect updated topographic information, and to incorporate previously issued map revisions.

For community map revision history prior to countywide mapping, refer to the Community History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 600'
250 500 1000 FEET
150 300 METERS

NATIONAL FLOOD INSURANCE PROGRAM
FIRM
FLOOD INSURANCE RATE MAP

DELAWARE COUNTY PENNSYLVANIA (ALL JURISDICTIONS)

PANEL 101 OF 250
(SEE MAP INDEX FOR FIRM PANEL LISTING)

CONTAINS:

COMMUNITY NUMBER PANEL
HAVERFORD TWP OF 420417 0101
MARPLE TWP OF 420420 0101
NEWTOWN TWP OF 420491 0101
RADNOR TWP OF 420428 0101

Notice to User: The Map Number shown below is used when ordering maps from the Government Printing Office. The Map Number shown above should be used on insurance applications to determine if flood insurance is available in this community.

MAP NUMBER 420450
MAP REVISION NOVEMBER 18, 2009

Federal Emergency Management Agency

NOTES TO USERS

is for use in administering the National Flood Insurance Program. It does not identify all areas subject to flooding, particularly from local sources of small size. The community map repository should be used for possible updated or additional flood hazard information.

For more detailed information in areas where **Base Flood Elevations** and/or **floodways** have been determined, users are encouraged to consult the Profiles and Floodway Data and/or Summary of Stillwater Elevations obtained within the Flood Insurance Study (FIS) report that accompanies this map. Users should be aware that BFEs shown on the FIRM represent whole-foot elevations. These BFEs are intended for flood insurance rating only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be used in conjunction with the FIRM for purposes of construction and/or floodplain management.

For areas of the **floodways** were computed at cross sections and interpolated at cross sections. The floodways were based on hydraulic considerations and to requirements of the National Flood Insurance Program. Floodway and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

For areas not in Special Flood Hazard Areas may be protected by **flood structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was Universal Transverse Mercator (UTM) Zone 18. Horizontal datum was NAD 83, GRS80 spheroid. The datum, spheroid, projection or UTM zones used in the production of this map or adjacent jurisdictions may result in slight positional differences in map across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding the difference between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following:

National Reference System Division
National Geodetic Survey, NOAA
Fainting Metro Center
Fainting Metro Highway
Fainting, Maryland 20910
301-331-3191

For current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at www.ngs.noaa.gov/.

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For updated topographic information, this map reflects more detailed and more stream channel configurations and floodplain delineations than shown on the previous FIRM for this jurisdiction. As a result, the Flood and Floodway Data tables may reflect stream channel distances that are different from what is shown on the map. Also, the road to floodplain relationships for streams may differ from what is shown on previous maps.

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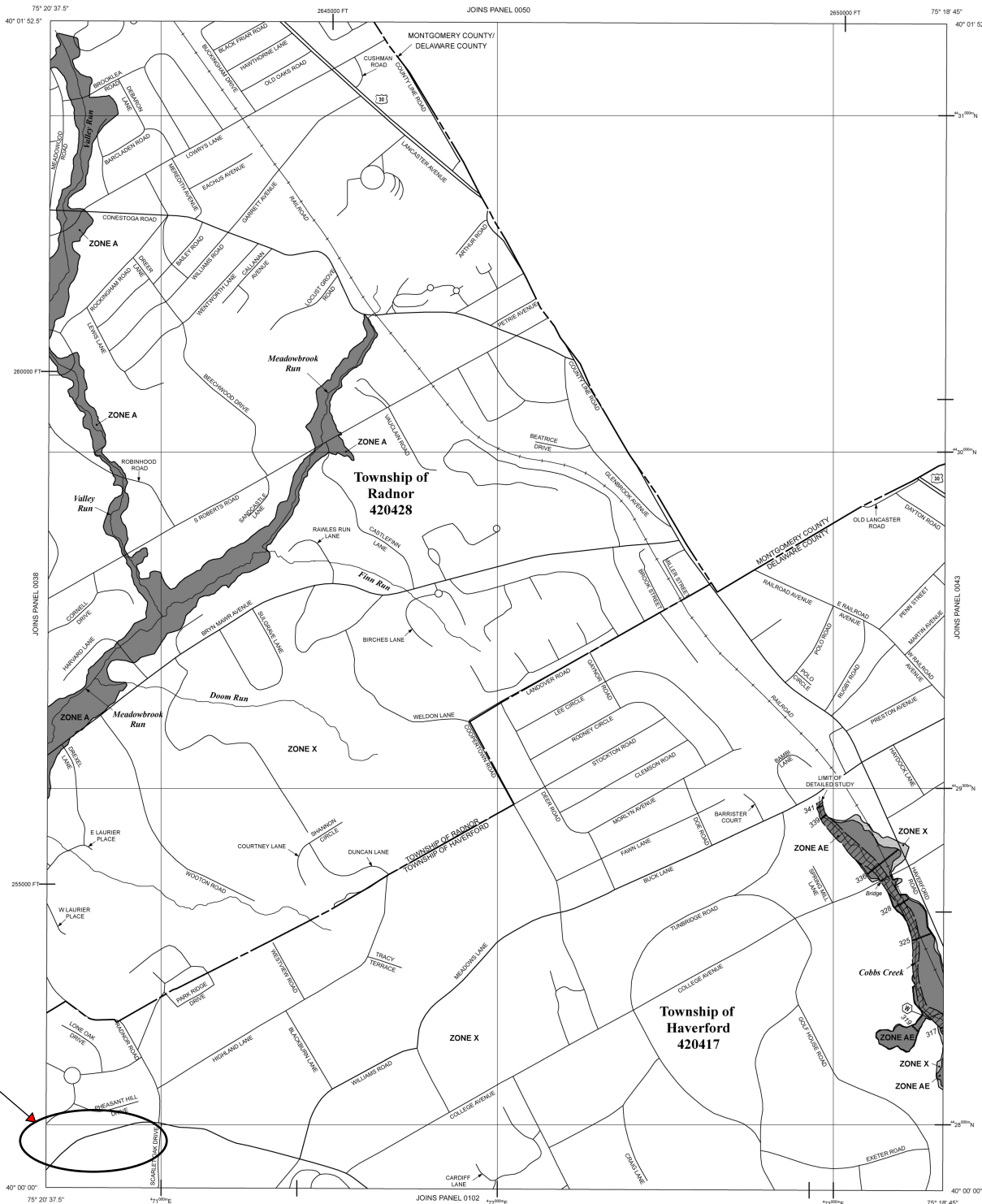
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For questions about this map or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA-MAP (1-877-336-3627) or visit the FEMA website at <http://www.fema.gov/business/nfp/>.

Elevations may be shown to the nearest tenth of a foot. Users should refer to the Flood Insurance Study (FIS) for detailed flood elevation information.

Darby Road Study Area



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBDIVISION BY THE 1% ANNUAL CHANCE FLOOD
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 Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard are designated as follows: Zone A, AE, AH, AD, AR, AV, V, and VE. The Base Flood Elevation is the water elevation of the 1% annual chance flood.

Zone A
No Base Flood Elevations determined.
Zone AE
Base Flood Elevations determined.
Zone AH
Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
Zone AD
Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); depths determined. For areas of alluvial fan flooding, velocities determined.
Zone AR
Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently determined to be inadequate. The former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
Zone AR9
Area to be protected from 1% annual chance flood by a Federal protection system under construction; no Base Flood Elevation determined.
Zone V
Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
Zone VE
Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE
The floodway is the channel of a stream plus any adjacent floodplain areas that must be encroached so that the 1% annual chance flood can be carried without substantial increase in flood heights.

OTHER FLOOD AREAS
Zone X
Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS
Zone X
Areas determined to be outside the 0.2% annual chance floodplain.
Zone D
Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS
OTHERWISE PROTECTED AREAS (OPAs)
CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary
0.2% annual chance floodplain boundary
Floodway boundary
Zone D boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Areas of different Flood Elevations, flood depths or flood velocities.
Base Flood Elevation line and value; elevation in feet*
Base Flood Elevation value where uniform within zone, in feet.

* Referenced to the North American Vertical Datum of 1988
— Cross section line
— Transient line

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
4276,000 M
1000-meter Universal Transverse Mercator grid values, Zone 18
5000-foot grid ticks: Pennsylvania State Plane coordinate system (FIPS ZONE 3702), Lambert Conformal Conic projection
Bench mark (see explanation in Notes to Users section of FIS report)
DX5510 x
M1.5
River mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index
EFFECTIVE DATE OF COUNTY-WIDE FLOOD INSURANCE RATE MAP
SEPTEMBER 30, 1993
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
MAY 2, 1995

NOVEMBER 18, 2009 - to change Special Flood Hazard Areas, to delete Special Flood Areas, to reflect updated topographic information, and to incorporate previously issued map revisions.
For community map revision history prior to countywide mapping, refer to the Community History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'
250 500 1000 FEET
150 0 150 300 METERS

NATIONAL FLOOD INSURANCE PROGRAM
PANEL 0039F

FIRM
FLOOD INSURANCE RATE MAP

DELAWARE COUNTY
PENNSYLVANIA
(ALL JURISDICTIONS)

PANEL 39 OF 250
(SEE MAP INDEX FOR FIRM PANEL LISTING)

CONTAINS:
COMMUNITY
HAVERTOWN, TOP OF
420417
420428
0039

MAP NUMBER
420450
MAP REVISION
NOVEMBER 18, 2009

Federal Emergency Management Agency

NOTES TO USERS

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National Geodetic Survey
Geodetic Survey, NOAA
Spring Metro Center
West-Met Highway
Spring, Maryland 20910
Phone: 301-313-3191

For current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at www.ngs.noaa.gov.

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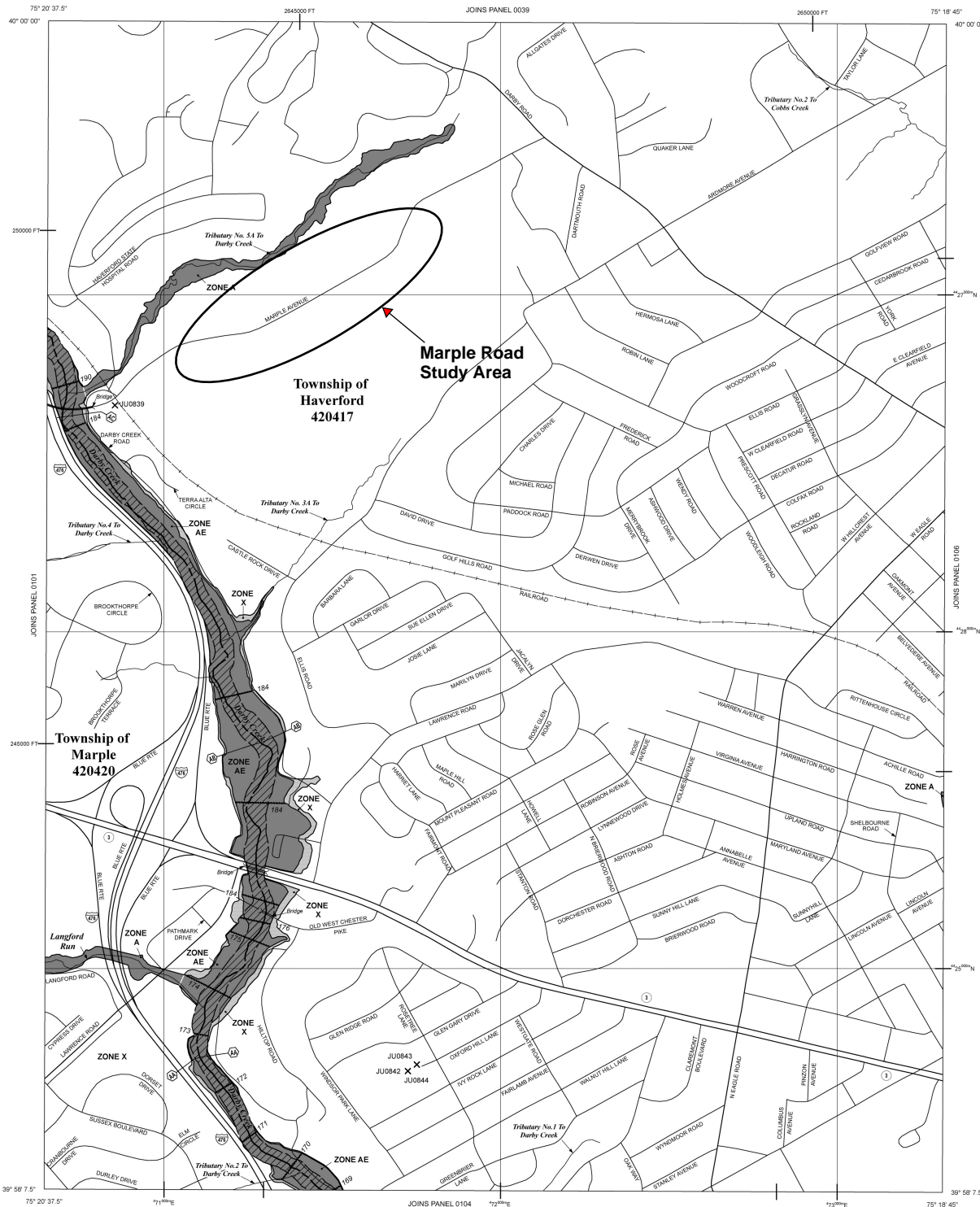
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For **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA Map** (1-877-336-2627) or FEMA website at <http://www.fema.gov/business/nfp>.

Elevations may be shown to the nearest tenth of a foot. Users should refer to the Flood Insurance Study (FIS) for detailed flood elevation information.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBDIVIDED BY THE 1% ANNUAL CHANCE FLOOD INUNDATION BY THE 1% ANNUAL CHANCE FLOOD
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 Special Flood Hazard Areas are subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard Zones A, AE, AH, AD, AL, AP, V, and VE. The Base Flood Elevation is the water elevation of the 1% annual chance flood.

ZONE A
No Base Flood Elevations determined.
ZONE AE
Base Flood Elevations determined.
ZONE AH
Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AD
Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); depths determined. For areas of alluvial fan flooding, velocities determined.
ZONE AR
Special Flood Hazard Area formerly protected from the 1% annual flood by a flood control system that was subsequently determined to be inadequate. The former flood control system is being restored to protection from the 1% annual chance or greater flood.
ZONE AR9
Area to be protected from 1% annual chance flood by a Federal protection system under construction; no Base Flood Elevation determined.
ZONE V
Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE
Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE
The floodway is the channel of a stream plus any adjacent floodplain areas that must be encroached so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS
ZONE X
Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than one square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS
ZONE X
Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D
Areas in which flood hazards are undetermined, but possible.

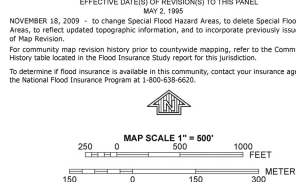
COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS
OTHERWISE PROTECTED AREAS (OPAS)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.
1% annual chance floodplain boundary
0.2% annual chance floodplain boundary
Floodway boundary
Zone D boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Areas of different flood elevations, flood depths or flood velocities.
Base Flood Elevation line and value; elevation in feet
Base Flood Elevation value where uniform within zone, in feet

Referenced to the North American Vertical Datum of 1988
Cross section line
Transect line
Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
4276.000 M
5000-foot grid ticks: Pennsylvania State Plane coordinate system (FIPSZONE 3702), Lambert Conformal Conic projection
Bench mark (see explanation in Notes to Users section of FIRM panel)
River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index
EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
SEPTEMBER 30, 1993
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
MAY 2, 1995

NOVEMBER 18, 2009 - to change Special Flood Hazard Areas, to delete Special Flood Areas, to reflect updated topographic information, and to incorporate previously issued map revisions.
For community map revision history prior to countywide mapping, refer to the Community History table located in the Flood Insurance Study report for this jurisdiction.
To determine if flood insurance is available in this community, contact your insurance agent or the National Flood Insurance Program at 1-800-638-6620.



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0102F

FIRM
FLOOD INSURANCE RATE MAP

DELAWARE COUNTY
PENNSYLVANIA
(ALL JURISDICTIONS)

PANEL 102 OF 250
(SEE MAP INDEX FOR FIRM PANEL LISTING)

CONTAINS:

COMMUNITY	NUMBER	PANEL
HAVERTOWN, TWP OF	420417	0102
MARPLE, TWP OF	420420	0102

MAP NUMBER
420405
MAP REVISION
NOVEMBER 18, 2009

Federal Emergency Management Agency

APPENDIX B:
BASIS OF DESIGN AND COST ESTIMATE

**HAVERFORD TOWNSHIP
ACT 537 SPECIAL STUDY
COST ESTIMATE**

Low Pressure System			Quantities		Total Cost	
Cost to Township	Unit Cost	Units	Darby Road	Marple Road	Darby Road	Marple Road
Traffic Control	\$25,000.00	LS	1	1	\$25,000.00	\$25,000.00
Manhole Connection into existing system	\$3,500.00	EA	1	1	\$3,500.00	\$3,500.00
Flush Station	\$8,000.00	EA	2	2	\$16,000.00	\$16,000.00
Low Pressure Sewer	\$200.00	LF	2,800	3,300	\$560,000.00	\$660,000.00
Service Connections	\$4,500.00	EA	24	32	\$108,000.00	\$144,000.00
Stone Backfill	\$25.00	CY	1,400	1,600	\$35,000.00	\$40,000.00
Allowance for rock	\$25,000.00	LS	1	1	\$25,000.00	\$25,000.00
Restoration						
Base Paving	\$65.00	SY	800	950	\$52,000.00	\$61,750.00
Overlay	\$20.00	SY	6,500	7,600	\$130,000.00	\$152,000.00
Subtotal					\$954,500.00	\$1,127,250.00
Engineering				10%	\$95,450.00	\$112,725.00
Contingency				20%	\$190,900.00	\$225,450.00
Total Township					\$1,240,850.00	\$1,465,425.00

Cost to Property Owner						
Grinder Pump	\$15,000.00	EA	1	1	\$15,000.00	\$15,000.00
Lateral	\$5,000.00	EA	1	1	\$5,000.00	\$5,000.00
Building Connection	\$5,000.00	EA	1	1	\$5,000.00	\$5,000.00
Decommission Existing System	\$7,500.00	EA	1	1	\$7,500.00	\$7,500.00
Subtotal					\$25,000.00	\$25,000.00
Contingency				20%	\$5,000.00	\$5,000.00
Total Property Owner Costs					\$30,000.00	\$30,000.00

Total Cost per Property					\$ 81,702.08	\$ 75,794.53
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Note: Cost Estimate Utilizing Directional Drilling

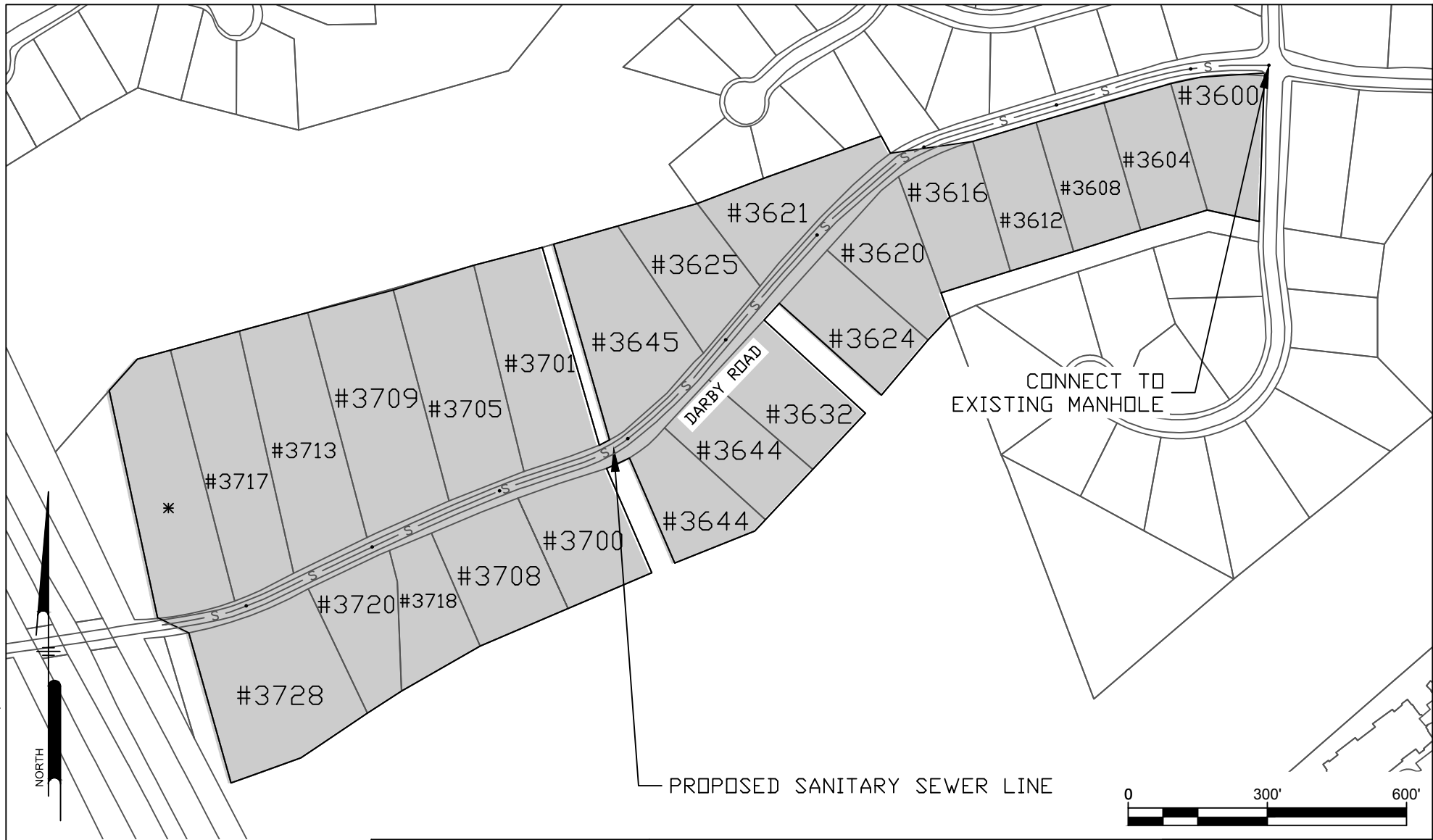
**HAVERFORD TOWNSHIP
ACT 537 SPECIAL STUDY
COST ESTIMATE**

Gravity System			Quantities		Total Cost	
Cost to Township	Unit Cost	Units	Darby Road	Marple Road	Darby Road	Marple Road
Traffic Control	\$35,000.00	LS	1	1	\$35,000.00	\$35,000.00
Pipe	\$450.00	LF	2,800	3,300	\$1,260,000.00	\$1,485,000.00
Manholes	\$6,000.00	EA	8	10	\$48,000.00	\$60,000.00
Service Connection	\$7,500.00	EA	24	32	\$180,000.00	\$240,000.00
Manhole Connection into existing system	\$5,000.00	EA	1	1	\$5,000.00	\$5,000.00
Stone Backfill	\$25.00	CY	2,800	3,600	\$70,000.00	\$90,000.00
Allowance for rock	\$40,000.00	LS	1	1	\$40,000.00	\$40,000.00
Restoration						
Base Paving	\$65.00	SY	2,500	2,800	\$162,500.00	\$182,000.00
Overlay	\$20.00	SY	6,500	7,600	\$130,000.00	\$152,000.00
Subtotal					\$1,930,500.00	\$2,289,000.00
Engineering				10%	\$193,050.00	\$228,900.00
Contingency				20%	\$386,100.00	\$457,800.00
Total Township					\$2,509,650.00	\$2,975,700.00

Cost to Property Owner						
Lateral	\$7,500.00	EA	1	1	\$7,500.00	\$7,500.00
Building Connection	\$5,000.00	EA	1	1	\$5,000.00	\$5,000.00
Subtotal					\$12,500.00	\$12,500.00
Contingency				20%	\$2,500.00	\$2,500.00
Total Property Owner Cost					\$15,000.00	\$15,000.00

Total Cost per Property	\$	119,568.75	\$	138,987.50
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PLOTTED: 6/5/2025 3:45:34 PM, BY: OLIVIA SZABO PLOTSTYLE: -----, PROJECT STATUS: -----



*NO ADDRESS FOR TAX PARCEL



PENNONI ASSOCIATES INC.

1900 Market Street, Suite 300
Philadelphia, PA 19103
T 215.222.3000 F 215.222.3588

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ACT 537 - SPECIAL STUDY
HAVERFORD
PA

**DARBY ROAD STUDY AREA - SEWER
EXTENSION**

HAVERFORD TOWNSHIP
1014 DARBY ROAD
HAVERFORD, PA 19083

PROJECT **HAVTT13242**

DATE **2025-05-28**

DRAWING SCALE **1"=300'**

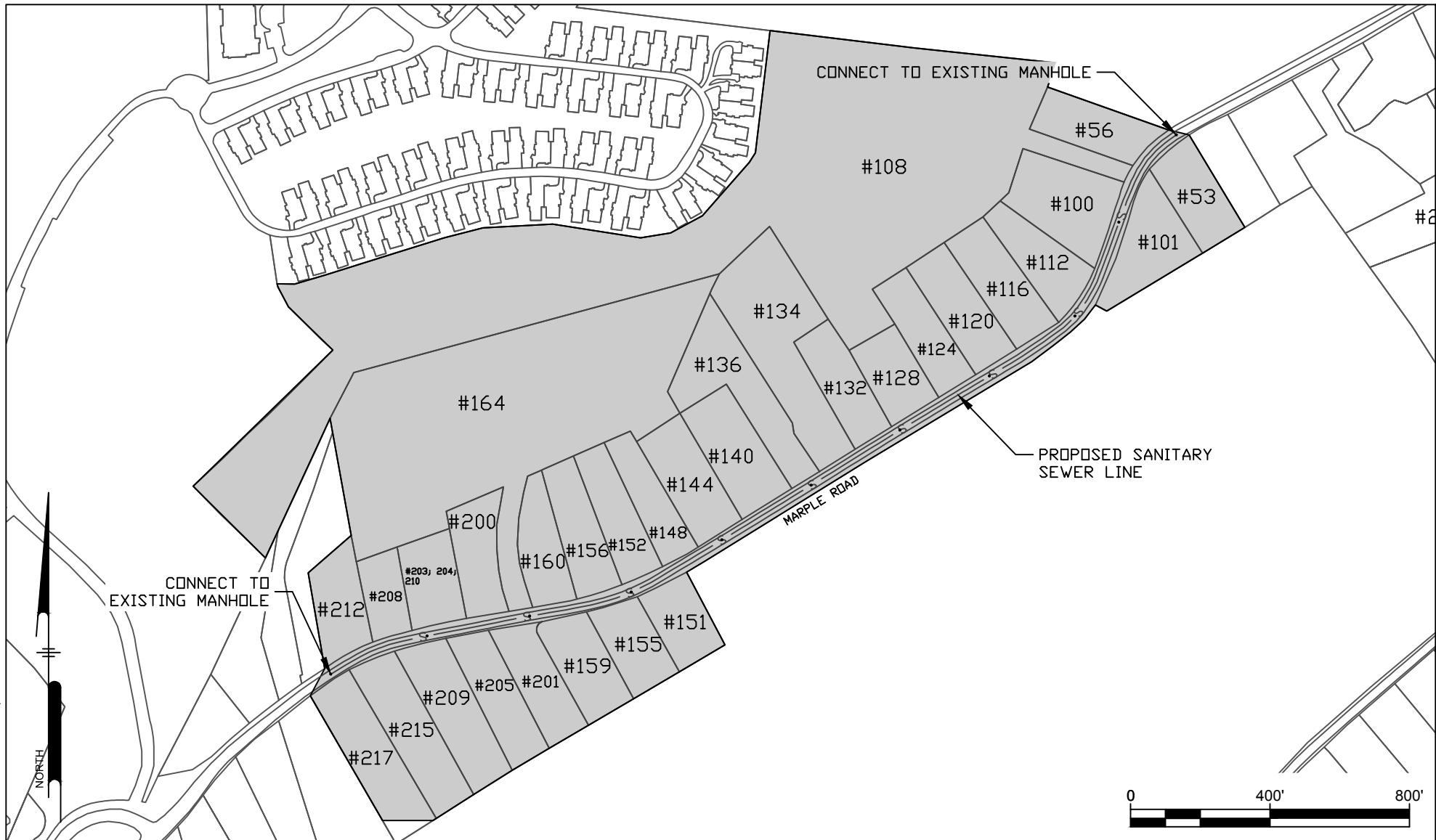
DRAWN BY **ZAP**

APPROVED BY **BG**

EX -2-1

SHEET **1** OF **2**

U:\ACCOUNTS\HVVTT\HVVTT13242 - ACT 537 UPDATE, DARBY MARPLE RD OLDS\DOC PREP\CAD\EX - 1-1.DWG
PLOTTED: 6/2/2025 11:41:59 AM, BY: OLIVIA SZABO PLOTSTYLE: -----, PROJECT STATUS: -----



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ACT 537 - SPECIAL STUDY
HAVERFORD
PA

**MARPLE ROAD STUDY AREA - SEWER
EXTENSION**

HAVERFORD TOWNSHIP
1014 DARBY ROAD
HAVERFORD, PA 19083

PROJECT **HAVTT13242**

DATE **2025-05-28**

DRAWING SCALE **1"=400'**

DRAWN BY **ZAP**

APPROVED BY **BG**

EX - 2-2

SHEET **2** OF **2**

APPENDIX C:
ONLOT SEWAGE DISPOSAL SYSTEM SURVEY

On-lot System Survey Recipients			
Study Area	Address	County, State	Survey Reply
Darby	3345 Darby Road	Haverford, PA 19041	
	3600 Darby Road	Bryn Mawr, PA 19010	Yes
	3604 Darby Road	Bryn Mawr, PA 19010	
	3608 Darby Road	Bryn Mawr, PA 19010	
	3612 Darby Road	Bryn Mawr, PA 19010	
	3616 Darby Road	Bryn Mawr, PA 19010	
	3620 Darby Road	Bryn Mawr, PA 19010	Yes
	3621 Darby Road	Bryn Mawr, PA 19010	
	3624 Darby Road	Bryn Mawr, PA 19010	Yes
	3625 Darby Road	Bryn Mawr, PA 19010	Yes
	3632 Darby Road	Bryn Mawr, PA 19010	Yes
	3644 Darby Road	Bryn Mawr, PA 19010	Yes
	3645 Darby Road	Bryn Mawr, PA 19010	
	3700 Darby Road	Bryn Mawr, PA 19010	Yes
	3701 Darby Road	Bryn Mawr, PA 19010	Yes
	3705 Darby Road	Bryn Mawr, PA 19010	
	3708 Darby Road	Bryn Mawr, PA 19010	
	3709 Darby Road	Bryn Mawr, PA 19010	
	3713 Darby Road	Bryn Mawr, PA 19010	Yes
	3717 Darby Road	Bryn Mawr, PA 19010	
	3718 Darby Road	Bryn Mawr, PA 19010	
	3720 Darby Road	Bryn Mawr, PA 19010	
	3728 Darby Road	Bryn Mawr, PA 19010	Yes
	3932 Darby Road	Haverford, PA 19041	Yes
Marple	41 Marple Road	Haverford, PA 19041	Yes
	53 Marple Road	Haverford, PA 19041	
	56 Marple Road	Haverford, PA 19041	Yes
	100 Marple Road	Haverford, PA 19041	
	101 Marple Road	Haverford, PA 19041	
	108 Marple Road	Haverford, PA 19041	
	112 Marple Road	Haverford, PA 19041	
	116 Marple Road	Haverford, PA 19041	Yes
	120 Marple Road	Haverford, PA 19041	Yes
	124 Marple Road	Haverford, PA 19041	Yes
	128 Marple Road	Haverford, PA 19041	
	132 Marple Road	Haverford, PA 19041	
	134 Marple Road	Haverford, PA 19041	
	136 Marple Road	Haverford, PA 19041	
	140 Marple Road	Haverford, PA 19041	
	144 Marple Road	Haverford, PA 19041	
	148 Marple Road	Haverford, PA 19041	
	151 Marple Road	Haverford, PA 19041	Yes
	152 Marple Road	Haverford, PA 19041	
	155 Marple Road	Haverford, PA 19041	Yes
	156 Marple Road	Haverford, PA 19041	
	159 Marple Road	Haverford, PA 19041	Yes
	160 Marple Road	Haverford, PA 19041	
	164 Marple Road	Haverford, PA 19041	
	200 Marple Road	Haverford, PA 19041	
	201 Marple Road	Haverford, PA 19041	
	204 Marple Road	Haverford, PA 19041	
	205 Marple Road	Haverford, PA 19041	
	208 Marple Road	Haverford, PA 19041	Yes
	209 Marple Road	Haverford, PA 19041	
	212 Marple Road	Haverford, PA 19041	
	215 Marple Road	Haverford, PA 19041	
	217 Marple Road	Haverford, PA 19041	
Unsewered Properties Adjacent or Close Proximity to Existing Sewer	76 Brennan Drive	Bryn Mawr, PA 19010	Yes
	84 Brennan Drive	Bryn Mawr, PA 19010	Yes
	1735 Burmont Road	Drexel Hill, PA 19026	Yes
	513 College Ave	Haverford, PA 19041	Yes
	2 Coopertown Road	Haverford, PA 19041	Yes
	3 Coopertown Road	Haverford, PA 19041	Yes
	329 Ellis Road	Havertown, PA 19083	Yes
	620 Ellis Road	Havertown, PA 19083	Yes
	1030 Sproul Road	Bryn Mawr, PA 19010	Yes
	1516 Steel Road	Havertown, PA 19083	Yes

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 2 Coopertown Rd

How long have you lived at this address? 6

Number of Occupants: 2

How large is your lot? 3

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: dry

Sewage Odor:

Wet above or near system:

Raw sewage surfacing:

Other areas of dampness noted in yard:

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

inground tank

How old is your system?

Was it permitted? 0

When? 0

Have you ever noticed any of the following near your septic system?

0

Was your system ever pumped out? yes

How often? yearly

Last time? fall 2022

If your system was pumped, was it inspected for cracks or broken baffles in the tank? 0

Was your system ever repaired? not since they have been here

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 159 Marple Road

How long have you lived at this address? 20

Number of Occupants: 2

How large is your lot? 1

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: dry

Sewage Odor:

Wet above or near system:

Raw sewage surfacing:

Other areas of dampness noted in yard: none

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

cesspool

How old is your system?

Was it permitted? yes

When? 0

Have you ever noticed any of the following near your septic system?

0

Was your system ever pumped out? yes

How often? quarterly

Last time? 45078

If your system was pumped, was it inspected for cracks or broken baffles in the tank? no

Was your system ever repaired? no

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 155 Marple Rd

How long have you lived at this address? 31

Number of Occupants: 1

How large is your lot?

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: dry

Sewage Odor: no

Wet above or near system: no

Raw sewage surfacing: no

Other areas of dampness noted in yard:

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

How old is your system?

Was it permitted? 0

When? 0

Have you ever noticed any of the following near your septic system?

0

Was your system ever pumped out? yes

How often? 0

Last time? 0

If your system was pumped, was it inspected for cracks or broken baffles in the tank? 0

Was your system ever repaired? no

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 1735 Burmont Rd

How long have you lived at this address? 45

Number of Occupants: 2

How large is your lot? 0.745

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: dry

Sewage Odor: no

Wet above or near system: no

Raw sewage surfacing: no

Other areas of dampness noted in yard:

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

cesspool; Brick Tank

How old is your system? 81

Was it permitted? 0

When? 0

Have you ever noticed any of the following near your septic system?

none

Was your system ever pumped out? yes

How often? 0

Last time? 44903

If your system was pumped, was it inspected for cracks or broken baffles in the tank? no, brick tank

Was your system ever repaired? no

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 3632 Darby Rd

How long have you lived at this address? 15

Number of Occupants: 4

How large is your lot? 1.1499999999999999

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: dry

Sewage Odor: no

Wet above or near system: no

Raw sewage surfacing: no

Other areas of dampness noted in yard: none

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

inground septic field; Cesspool

How old is your system? cesspool - 50+ years, inground septic field - 25 years

Was it permitted? yes

When? 0

Have you ever noticed any of the following near your septic system?

none

Was your system ever pumped out? yes

How often? 2x per year

Last time? 44986

If your system was pumped, was it inspected for cracks or broken baffles in the tank? yes

Was your system ever repaired? no

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? well

If well water, please complete the following:

How far from the well from the drain field? very far - 200 feet ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 116 Marple Rd

How long have you lived at this address? 23

Number of Occupants: 2

How large is your lot? 1.0800000000000001

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: dry

Sewage Odor: no

Wet above or near system: no

Raw sewage surfacing: no

Other areas of dampness noted in yard: no

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

septic tank

How old is your system? 1950s - guessing

Was it permitted? they assume so

When? 0

Have you ever noticed any of the following near your septic system?

no

Was your system ever pumped out? yes

How often? annually

Last time? 45078

If your system was pumped, was it inspected for cracks or broken baffles in the tank? no

Was your system ever repaired? no - to the best of their knowledge

When? it was inspected in 2000 when they purchased the house

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 3700 Darby Rd

How long have you lived at this address? 24

Number of Occupants: 2

How large is your lot? 1

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: dry

Sewage Odor:

Wet above or near system:

Raw sewage surfacing:

Other areas of dampness noted in yard: none

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

septic system

How old is your system? 60

Was it permitted? yes

When? they assume it was permitted when the house was built in the 1960's but that is just an assumption

Have you ever noticed any of the following near your septic system?

0

Was your system ever pumped out? yes

How often? about every 5 years

Last time? this year

If your system was pumped, was it inspected for cracks or broken baffles in the tank? no

Was your system ever repaired? no

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? well

If well water, please complete the following:

How far from the well from the drain field? about 150 feet ft.

Is the well uphill or downhill from the drain field? uphill

COMMENTS OF PROPERTY OWNER:

they believe a pump person may have said they have a cesspool. they do not know for sure. they do know there are 2 tanks and the system works well with no overflows.

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 3625 Darby Rd

How long have you lived at this address? 36

Number of Occupants: 2

How large is your lot? 1.3300000000000001

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: dry

Sewage Odor: no

Wet above or near system: no

Raw sewage surfacing: no

Other areas of dampness noted in yard: none

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

on site system with double-sized drainage field; per neighbor Ernest Dana - "system will never need service"

How old is your system? 45

Was it permitted? 0

When? don't know - file requested from Township

Have you ever noticed any of the following near your septic system?

no

Was your system ever pumped out? no - never needed

How often? 0

Last time? 0

If your system was pumped, was it inspected for cracks or broken baffles in the tank? 0

Was your system ever repaired? no

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? well

If well water, please complete the following:

How far from the well from the drain field? 150 feet - well in back of house, drainage field in front ft.

Is the well uphill or downhill from the drain field? uphill

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 124 Marple Rd

How long have you lived at this address? 4

Number of Occupants: 3

How large is your lot? 1

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: dry

Sewage Odor: no

Wet above or near system: damp

Raw sewage surfacing: no

Other areas of dampness noted in yard:

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

inground bed

How old is your system? 3

Was it permitted? yes

When? Nov. 2019

Have you ever noticed any of the following near your septic system?

green lush grass

Was your system ever pumped out? yes

How often? yearly

Last time? Oct. 2022

If your system was pumped, was it inspected for cracks or broken baffles in the tank? yes

Was your system ever repaired? replaced with new system 2019

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 3600 Darby Rd

How long have you lived at this address? 29

Number of Occupants: 2

How large is your lot? 1.2

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: dry

Sewage Odor:

Wet above or near system:

Raw sewage surfacing:

Other areas of dampness noted in yard:

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

inground bed

How old is your system? 60

Was it permitted? 0

When? 0

Have you ever noticed any of the following near your septic system?

0

Was your system ever pumped out? yes

How often? 2-3 years

Last time? 45005

If your system was pumped, was it inspected for cracks or broken baffles in the tank? 0

Was your system ever repaired? no

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? well

If well water, please complete the following:

How far from the well from the drain field? 100 feet ft.

Is the well uphill or downhill from the drain field? uphill

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 3620 Darby Rd

How long have you lived at this address? 11

Number of Occupants: 0

How large is your lot? 1.25

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds:

Sewage Odor:

Wet above or near system:

Raw sewage surfacing:

Other areas of dampness noted in yard:

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

How old is your system?

Was it permitted? 0

When? 0

Have you ever noticed any of the following near your septic system?

0

Was your system ever pumped out? 0

How often? 0

Last time? 0

If your system was pumped, was it inspected for cracks or broken baffles in the tank? 0

Was your system ever repaired? 0

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? 0

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

no structure, no water, no sewer - vacant lot

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 3624 Darby Rd

How long have you lived at this address? 11

Number of Occupants: 1

How large is your lot? 1.1499999999999999

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: dry

Sewage Odor: yes

Wet above or near system:

Raw sewage surfacing:

Other areas of dampness noted in yard:

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

inground bed

How old is your system? 11

Was it permitted? yes

When? 41052

Have you ever noticed any of the following near your septic system?

odors

Was your system ever pumped out? yes

How often? 2 years

Last time? 45108

If your system was pumped, was it inspected for cracks or broken baffles in the tank? 0

Was your system ever repaired? no

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? well

If well water, please complete the following:

How far from the well from the drain field? 150 feet? ft.

Is the well uphill or downhill from the drain field? uphill

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 620 Ellis Rd

How long have you lived at this address? 4.5

Number of Occupants: 4

How large is your lot?

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: dry

Sewage Odor:

Wet above or near system:

Raw sewage surfacing:

Other areas of dampness noted in yard:

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

cesspool

How old is your system? 1959

Was it permitted? 0

When? 0

Have you ever noticed any of the following near your septic system?

0

Was your system ever pumped out? yes

How often? 0

Last time? 2018

If your system was pumped, was it inspected for cracks or broken baffles in the tank? yes

Was your system ever repaired? yes

When? 2018

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 120 Marple Rd

How long have you lived at this address? 4

Number of Occupants: 6

How large is your lot? 1.04

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: dry

Sewage Odor:

Wet above or near system:

Raw sewage surfacing:

Other areas of dampness noted in yard:

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

holding tank, drainfield, cesspool

How old is your system?

Was it permitted? 0

When? 0

Have you ever noticed any of the following near your septic system?

0

Was your system ever pumped out? yes

How often? annually

Last time? 45100

If your system was pumped, was it inspected for cracks or broken baffles in the tank? yes

Was your system ever repaired? 0

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 1516 Steel Rd

How long have you lived at this address? 53

Number of Occupants: 1.5

How large is your lot?

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: dry

Sewage Odor: no

Wet above or near system: no

Raw sewage surfacing: no

Other areas of dampness noted in yard: none

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

cesspool septic

How old is your system?

Was it permitted? yes

When? 1952 (when house was built)

Have you ever noticed any of the following near your septic system?

0

Was your system ever pumped out? yes

How often? every 2 years

Last time? 2021 (Oct.) - due this Oct. 2023

If your system was pumped, was it inspected for cracks or broken baffles in the tank? yes

Was your system ever repaired? no

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

"I understand the concern for the environment, but I ask you to seriously consider the need for a time period for residents to financially plan for this substantial debt. Also please consider the properties which are having no problems with their system's

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 76 Brennan Dr

How long have you lived at this address? 22

Number of Occupants: 1

How large is your lot?

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: dry

Sewage Odor: none

Wet above or near system: none

Raw sewage surfacing: none

Other areas of dampness noted in yard: none

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

inground septic tank

How old is your system? when home was built

Was it permitted? yes

When? 0

Have you ever noticed any of the following near your septic system?

none

Was your system ever pumped out? yes

How often? every 3 years

Last time? Oct. 26, 2020 and Sept. 7, 2023

If your system was pumped, was it inspected for cracks or broken baffles in the tank? yes

Was your system ever repaired? no

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 3701 Darby Rd

How long have you lived at this address? 10

Number of Occupants: 1

How large is your lot? 2

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: dry

Sewage Odor: no

Wet above or near system: no

Raw sewage surfacing: no

Other areas of dampness noted in yard: none

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

cesspool (1957) with drain field added in 1991

How old is your system? 1957 & 1991

Was it permitted? yes

When? 1957 & 1991

Have you ever noticed any of the following near your septic system?

none of the above noticed

Was your system ever pumped out? yes

How often? 3 times

Last time? July 2010 (& twice in 1991)

If your system was pumped, was it inspected for cracks or broken baffles in the tank? cesspool - no baffles as in septic tanks per se

Was your system ever repaired? yes - addition of drain field

When? Sept. 1991

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? well

If well water, please complete the following:

How far from the well from the drain field? 125 ft. ft.

Is the well uphill or downhill from the drain field? uphill

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 513 College Ave

How long have you lived at this address? 12

Number of Occupants: 2

How large is your lot? 1.8999999999999999

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: Dry

Sewage Odor: No

Wet above or near system: No

Raw sewage surfacing: No

Other areas of dampness noted in yard: No

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

Inground Bed

How old is your system? Unknown, but probably put in in the mid-1990s

Was it permitted? I don't know for sure, but I think yes

When? 0

Have you ever noticed any of the following near your septic system?

None of the Above

Was your system ever pumped out? Yes

How often? Every year

Last time? Fall 2022

If your system was pumped, was it inspected for cracks or broken baffles in the tank? No

Was your system ever repaired? Yes

When? 2011

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? Public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 3713 Darby Rd

How long have you lived at this address? 6.5

Number of Occupants: 2

How large is your lot? 2

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: Dry

Sewage Odor: No

Wet above or near system: No

Raw sewage surfacing: No

Other areas of dampness noted in yard: No

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

Inground Bed

How old is your system? Unknown

Was it permitted? Installed prior to move in

When? 0

Have you ever noticed any of the following near your septic system?

Green Lush Grass

Was your system ever pumped out? Yes

How often? Once every 3 years

Last time? 44866

If your system was pumped, was it inspected for cracks or broken baffles in the tank? No

Was your system ever repaired? No

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? Well

If well water, please complete the following:

How far from the well from the drain field? 80 ft ft.

Is the well uphill or downhill from the drain field? Downhill

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 3728 Darby Road

How long have you lived at this address? 32

Number of Occupants: 2

How large is your lot? 2.3300000000000001

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: Dry

Sewage Odor: No

Wet above or near system: No

Raw sewage surfacing: No

Other areas of dampness noted in yard: We have a functioning spring house

Location: rear of property

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

Cesspool

How old is your system? prior to our ownership

Was it permitted? Unknown

When? 0

Have you ever noticed any of the following near your septic system?

None of the Above

Was your system ever pumped out? Yes

How often? every 3 years

Last time? 12-/18/2020

If your system was pumped, was it inspected for cracks or broken baffles in the tank? 0

Was your system ever repaired? No

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? Well

If well water, please complete the following:

How far from the well from the drain field? 138 Feet ft.

Is the well uphill or downhill from the drain field? Uphill

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 3644 Darby Road

How long have you lived at this address? 56

Number of Occupants: 3

How large is your lot? 2

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: Dry

Sewage Odor: No

Wet above or near system: No

Raw sewage surfacing: No

Other areas of dampness noted in yard: No

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

Tile field

How old is your system? Put in 1967 and updated in 2014

Was it permitted? Yes

When? When permits were obtained to renovate the house around 2012

Have you ever noticed any of the following near your septic system?

None of the Above

Was your system ever pumped out? Yes

How often? Annually

Last time? 2023

If your system was pumped, was it inspected for cracks or broken baffles in the tank? Yes

Was your system ever repaired? Yes

When? 2012 when house was renovated

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? Well

If well water, please complete the following:

How far from the well from the drain field? Well in front of house and drain field in back ft.

Is the well uphill or downhill from the drain field? Uphill

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 84 Brennan Drive

How long have you lived at this address? 18

Number of Occupants: 3

How large is your lot? 1.5

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: Dry

Sewage Odor: No

Wet above or near system: No

Raw sewage surfacing: No

Other areas of dampness noted in yard: Yes

Location: Adjacent to and downstream from drain field, occasionally

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

Inground Bed

How old is your system? 18 years

Was it permitted? Yes

When? 2005

Have you ever noticed any of the following near your septic system?

Water Ponding or Surfacing

Was your system ever pumped out? Yes

How often? approx every 2 years

Last time? 44562

If your system was pumped, was it inspected for cracks or broken baffles in the tank? Yes

Was your system ever repaired? Yes

When? Replaced baffle in 2016.

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? Public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

subject property borders Brennan Drive, Darby and Sproul Rds. Direct hookup to Sewer line running on either Darby or Sproul should be possible if required.

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 1030 Sproul Road

How long have you lived at this address? 24

Number of Occupants: 2

How large is your lot? 3

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: We are tied into the sewer system - and pay a sewer tax to Radnor

Sewage Odor: We are tied into the sewer system - and pay a sewer tax to Radnor

Wet above or near system: We are tied into the sewer system - and pay a sewer tax to Radnor

Raw sewage surfacing: We are tied into the sewer system - and pay a sewer tax to Radnor

Other areas of dampness noted in yard: We are tied into the sewer system - and pay a sewer tax to Radnor

Location: We are tied into the sewer system - and pay a sewer tax to Radnor

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

We are tied into the sewer system - and pay a sewer tax to Radnor

How old is your system? We are tied into the sewer system - and pay a sewer tax to Radnor

Was it permitted? We are tied into the sewer system - and pay a sewer tax to Radnor

When? We are tied into the sewer system - and pay a sewer tax to Radnor

Have you ever noticed any of the following near your septic system?

We are tied into the sewer system - and pay a sewer tax to Radnor

Was your system ever pumped out? We are tied into the sewer system - and pay a sewer tax to Radnor

How often? We are tied into the sewer system - and pay a sewer tax to Radnor

Last time? We are tied into the sewer system - and pay a sewer tax to Radnor

If your system was pumped, was it inspected for cracks or broken baffles in the tank? We are tied into the sewer system - and pay a sewer tax to Radnor

Was your system ever repaired? We are tied into the sewer system - and pay a sewer tax to Radnor

When? We are tied into the sewer system - and pay a sewer tax to Radnor

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? Public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

We are tied to the sewer line. We receive a tax bill from Radnor Township.

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 56 Marple Road

How long have you lived at this address? 20

Number of Occupants: 2

How large is your lot? 1

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: Dry

Sewage Odor: No

Wet above or near system: No

Raw sewage surfacing: No

Other areas of dampness noted in yard: No

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

Septic Tank 1250 gallons

How old is your system? 20 years

Was it permitted? Yes

When? 37840

Have you ever noticed any of the following near your septic system?

None of the Above

Was your system ever pumped out? Yes

How often? Every 2 years

Last time? 45108

If your system was pumped, was it inspected for cracks or broken baffles in the tank? No

Was your system ever repaired? No

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? Public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 41 Marple Road

How long have you lived at this address? 9

Number of Occupants: 2

How large is your lot? 1.25

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: Dry

Sewage Odor: No

Wet above or near system: No

Raw sewage surfacing: No

Other areas of dampness noted in yard: No

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

Cesspool

How old is your system? At least 10 years

Was it permitted? Don't know

When? 0

Have you ever noticed any of the following near your septic system?

None of the Above

Was your system ever pumped out? Not to my knowledge

How often? 0

Last time? 0

If your system was pumped, was it inspected for cracks or broken baffles in the tank? See above

Was your system ever repaired? Not to my knowledge

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? Public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 151 Marple Road

How long have you lived at this address? 18

Number of Occupants: 3

How large is your lot? 1

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: Wet after heavy downpours, dry when no rain

Sewage Odor: No

Wet above or near system: No

Raw sewage surfacing: No

Other areas of dampness noted in yard: No

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

Cesspool

How old is your system? Don't know

Was it permitted? Don't know

When? 0

Have you ever noticed any of the following near your septic system?

None of the Above

Was your system ever pumped out? Yes

How often? Once per month

Last time? 45148

If your system was pumped, was it inspected for cracks or broken baffles in the tank? Yes

Was your system ever repaired? No

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? Public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 208 Marple road

How long have you lived at this address? 3

Number of Occupants: 2

How large is your lot? 0.5999999999999998

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: Dry

Sewage Odor: No

Wet above or near system: No

Raw sewage surfacing: No

Other areas of dampness noted in yard: No

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

Septic system

How old is your system? Approx 5yrs

Was it permitted? Yes

When? Previous owners

Have you ever noticed any of the following near your septic system?

None of the Above

Was your system ever pumped out? Yes

How often? Every 1.5-2 yrs as recommended

Last time? 2022

If your system was pumped, was it inspected for cracks or broken baffles in the tank? Yes

Was your system ever repaired? No

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? Public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 3 Coopertown Rd

How long have you lived at this address? 43

Number of Occupants: 2

How large is your lot? 4.309999999999996

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: Dry

Sewage Odor: No

Wet above or near system: No

Raw sewage surfacing: No

Other areas of dampness noted in yard: No

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

Cesspool

How old is your system? ? (older than 43 years)

Was it permitted? Don't know

When? 0

Have you ever noticed any of the following near your septic system?

System Overflow

Was your system ever pumped out? Yes

How often? Every 1-2 years

Last time? 45166

If your system was pumped, was it inspected for cracks or broken baffles in the tank? No

Was your system ever repaired? Don't know

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? Public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 3932 Darby Road

How long have you lived at this address? 19

Number of Occupants: 3

How large is your lot? 0.6099999999999999

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: Dry

Sewage Odor: No

Wet above or near system: No

Raw sewage surfacing: No

Other areas of dampness noted in yard: Dampness in drainage field

Location: Over drainage field

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

Inground Bed

How old is your system? Installed before I got here.

Was it permitted? Not sure what year.

When? 0

Have you ever noticed any of the following near your septic system?

Wetness or Spongy Areas

Was your system ever pumped out? Yes

How often? Every few years.

Last time? 2019 before pandemic / Oct.2023

If your system was pumped, was it inspected for cracks or broken baffles in the tank? Yes

Was your system ever repaired? No

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? Well

If well water, please complete the following:

How far from the well from the drain field? Well is in front of house, drainage field is in the back. ft.

Is the well uphill or downhill from the drain field? Uphill

COMMENTS OF PROPERTY OWNER:

0

HAVERFORD TOWNSHIP ON-LOT SEWAGE DISPOSAL SYSTEM SURVEY

Preliminary Information:

ADDRESS: 329 Ellis Rd.

How long have you lived at this address? 25

Number of Occupants: 2

How large is your lot? 2.299999999999998

Current Condition of On-lot Sewage Disposal System

General condition of non-septic area grounds: Dry

Sewage Odor: No

Wet above or near system: No

Raw sewage surfacing: No

Other areas of dampness noted in yard: No

Location:

What kind of on-lot disposal system do you have? (inground bed, sand mound, cesspool, etc.)

Cesspool

How old is your system? Unknown

Was it permitted? Unknown

When? Unknown

Have you ever noticed any of the following near your septic system?

None of the Above

Was your system ever pumped out? Yes

How often? Once

Last time? 2017

If your system was pumped, was it inspected for cracks or broken baffles in the tank? No

Was your system ever repaired? No

When? 0

By permit? 0

What part was repaired or replaced?

0 0 0

What kind of water system do you have? Public

If well water, please complete the following:

How far from the well from the drain field? 0 ft.

Is the well uphill or downhill from the drain field? 0

COMMENTS OF PROPERTY OWNER:

0

APPENDIX D:
RESOLUTION OF ADOPTION