THE TOWNSHIP OF MANCHESTER



MANCHESTER TOWNSHIP PLANNING COMMISSION AGENDA Wednesday – September 24, 2025 – 6:00 p.m.

PENNSYLVANIA

CALL TO ORDER

APPROVAL OF MINUTES FROM AUGUST 27, 2025

NEW BUSINESS:

- <u>RVW #2025-09 Hunsberger FSD</u> The applicant requests approval of a Preliminary/Final Subdivision Plan for a lot line adjustment in the Residential Low (RL) District at 748 and 772 Greenbriar Road, UPI 36-000-KH-0070.A0-00000 and 36-000-KH-0072.00-00000.
- RVW #2025-10 Jelleco, LLC FSD The applicant requests approval of a Preliminary / Final Subdivision Plan for a lot consolidation in the Residential Low (RL) District at 1270 and 1260 Mill Creek Road, UPI 36-000-LH-0129.E0-00000 and 36-000-LH-0155.00-00000.
- RVW #2025-05 Penn Avenue Residential PSD The applicant requests approval of a Preliminary Subdivision Plan for 83 single-family dwelling lots and two open space lots in the Residential Low (RL) District, UPI 36-000-JH-0070.C0-00000.

OLD BUSINESS:

None

ADJOURNMENT

THE TOWNSHIP OF MANCHESTER

YORK COUNTY



PENNSYLVANIA

PLANNING COMMISSION MINUTES August 27, 2025

MEETING

The Manchester Township Planning Commission held its regularly scheduled meeting on Wednesday, August 27, 2025, at the municipal building, located at 3200 Farmtrail Road, York, PA, 17406. Chairman Nicholas Hauck called the meeting to order at 6:00 p.m.

ATTENDANCE *(A) = Absent

Nicholas Hauck, Chairperson Kenneth Stoutzenberger, Vice-Chair Brian Salsgiver, Member Scott Ettien, Member (A) Daniel Spies, Member B.J. Treglia, Township Engineer Rachel Vega, Zoning/Planning Officer Larry Young, Solicitor (A) Cory McCoy, CS Davidson Engineer (A) David Chiaverini, Supervisor

APPROVAL OF MINUTES

Upon a motion by Mr. Stoutzenberger, seconded by Mr. Spies, the planning commission approved June 25, 2025, minutes as presented. Motion carried 4-0.

NEW BUSINESS

• RVW #2025-08 Rose Court LLC – The applicant requests approval of a Preliminary/Final Land Development Plan for an accessory storage building in the Industrial District (I), at 120 Rose Court, tax parcel # 36-000-LH-0008.K0-00000. Upon a motion by Mr. Hauck, seconded by Mr. Stoutzenberger, the planning commission recommended approval of RVW # 2025-08, Rose Court LLC preliminary/final land development plan with the condition that item 1, 5, 7, 8, and new comment 9 are addressed. The planning commission also recommended approval of waivers from §22-303 to allow a preliminary/final land development plan submission, §22-709 to not require the installation of sidewalk along Rose Court, and §22-705.E to not meet the clear sight triangle requirements due to existing obstructions. These are stop-controlled intersections and adequate sight distance is provided. Motion carried 4-0.

OLD BUSINESS

ADJOURNMENT

With no additional business on the agenda, Mr. Stoutzenberger adjourned the meeting at 6:15 p.m.

Respectfully submitted,

Rachel Vega Zoning/Planning Officer



August 27, 2025

Rachel Vega, Zoning Officer Manchester Township 3200 Farmtrail Road York, PA 17406

Re:

Abram B. & Amy Hunsberger Subdivision Final Subdivision Plan Manchester Township Plan #2025-09 Engineer's Project No. 0841.3.08.77

Dear Rachel:

We have reviewed the above-referenced Final Subdivision Plan submitted by Gordon L. Brown & Associates, Inc., dated July 31, 2025. We offer the following comments:

Zoning Ordinance

- 1. General note 7 on the coversheet states that the lots are served by public sewer and on-lot wells; however, the site data table on sheets 2 and 3 list that both lots are served by public water and sewer. Address this discrepancy accordingly, and revise the minimum lot size and minimum street frontage width requirements as necessary. (§27-405.1)
- 2. It shall be noted within the site data table that Parcel 70A is an existing non-conformity in regards to the minimum required street frontage. (§27-405.1)
- 3. The proposed subdivision is not classified as an open development. Remove the requirements of maximum lot and building coverage for open space development from note 10 of the site data table. (§27-408)

Subdivision Land Development Ordinance:

- 1. Provide 5 signature lines for the Board of Supervisors signature block. (§22-404.1.6)
- 2. Remove "Add On Lot 3" from the UPI table as it is not an existing or proposed lot. (§22-404.1.12)
- 3. Revise the minimum lot area note in the site data table as follows (§22-404.3.1):
 - a. Reference the name of the lots consistent with general note 1.
 - b. The net and gross lot areas (listed in acres and sq. ft.) for the existing and proposed tracts shall be provided in tabular form in the site data table.
- 4. Parcel 70A/Combined Lots 2 & 3 shall have a front setback designated (§22-404.3.9).
- 5. The maximum lot coverage proposed shall be indicated in the site data table (§22-404.3.14).
- 6. The maximum building coverage proposed shall be indicated in the site data table (§22-404.3.15).
- 7. The required and provided parking spaces shall be stated and delineated on the plans (§22-404.3.22).
- 8. Reference the datum to which the site boundary survey references. (§22-404.3.25)

ENGINEERING A BETTER COMMUNITY

- 9. Any existing or proposed easements shall be delineated on the plans with an identifiable shading (§22-404.4.15).
- 10. All areas with slopes greater than 15% shall be delineated and hatched on the plans (§22-404.4.16.A).
- 11. The immediate adjacent two properties along Greenbriar Road are missing information within the land adjoiner table (§22-404.4.18).
- 12. Existing cartway and right-of-way dimensions shall be provided from the centerline in addition to the full-width dimension (§22-404.4.24).
- 13. Existing street township classification numbers (T-#'s) shall be identified on the plans (§22-404.4.26).
- 14. Existing structures, including driveways, access drives, and parking areas shall be dimensioned on the plans (§22-404.4.28). Access drives and driveways shall be identified on the plans for all adjacent properties.
- 15. The safe stopping sight distance (required and available), the approach grade, and the speed limit shall be listed for both driveways in both directions. (§22-404.4.30)
- 16. Show, label, and dimension a clear sight triangle at both driveways. (§22-404.4.31)
- 17. All existing traffic control devices (signage) shall be shown on the plans (§22-404.4.35.A).
- 18. Provide a non-building waiver/sewage planning module exemption code number on the plans (§22-407.3.2).
- 19. The following standard township notes shall be provided on plans 1, 3, 5, and 15. See Section 22 Attachment 3. (§22-408.3) Within note 5; list the continuing nonconformities.
- 20. The cover sheet shall include the owner(s)'s notarized signature prior to the Planning Commission meeting. (§22-404.1.2)
- 21. The property owners address shall be clearly identified on the cover sheet of the plans (§22-404.1.3).
- 22. The plan preparers dated signature shall be added to the plans prior to final approval (§22-404.1.4).
- 23. Curbs shall be constructed in all subdivisions or land developments (§22-703.2). The requirement of curbing may be waived by the Board of Supervisors if conditions outlined within §22-703.2 exist. A grant of such a waiver shall be recorded in the minutes of the Board of Supervisors and shall require that the following language be shown on the plan:
 - "The owners, heirs, assigns or successors in the title agree that they shall install at the owners' expense concrete curbing, concrete sidewalk; or both concrete curbing and concrete sidewalk; and any necessary road widening to accompany the curbing to Township and/or State specifications within six months from the receipt of certified notification from the Township."
- 24. Township standard note numbers: 1, 3, 4, 5, 6, 7, 10.2, 14, 15, 16, 19, 21, 24, 25, 27, and 32 shall be added to the plans. See attachment 3 of the SALDO for the required wording. (§22-408.3)

General Comments

1. An Access and Operation & Maintenance agreement shall be provided for the shared driveway to Parcel 70A.

- 2. Add a typical street cross-section depicting the Greenbriar Road dimensions and future curb and sidewalk improvements.
- 3. Greenbriar Road shall be determined whether it is considered an arterial street within the Township's Comprehensive plan. Note 8 within the site data table shall be revised accordingly.

If you have questions related to the enclosed information or require any clarification, please feel free to contact me at our York office number or via email CAM@csdavidson.com.

Sincerely,

Cory(A. McCoy, P.E.

CAM/AJS/SXM/dmg

Copy:

B.J. Treglia, P.E. Manchester Township via email: <u>b.treglia@mantwp.com</u>
Layne Clark, L.S.I.T. Gordon L Brown & Associates, Inc. via email: <u>lclark@glba-engineering.com</u>

File

K:\084130877\Correspondence\Letters-Reports\2025-08-21 Hunsberger - FSP Review Letter.docx

ABRAM B. & AMY HUNSBERGER SUBDIVISION

748 & 772 GREENBRIAR ROAD FINAL SUBDIVISION PLAN LOCATED IN

MANCHESTER TOWNSHIP YORK COUNTY, PA

SHEET LEGEND

EXISTING SITE CONDITIONS PLAN SUBDIVISION PLAN

SHEET# DESCRIPTION TITLE SHEET

* TO BE RECORDED

TOWNSHIP PLAN	NING C	COMMISSI	ON
Recommended for approval by Township, York County, Penns	y the Planning sylvania.	Commission of	Manchester
This Day of		, 20	
Choirman			-
TOWNSHIP BOAI	RD OF	SUPERVIS	SORS
approved by the Township Su fork County, Pennsylvania.			

TOWNSHIP ENGINEER

YORK COUNTY PLANNING COMMISSION

Reviewed by the York County Planning Commission

CERTIFICATE OF OWNERSHIP AND ACKNOWLEDGEMENT OF PLAN

COMMONWEALTH OF PENNSYLVANIA: COUNTY OF YORK-

On this, the and day of September, 2025, before me, the undersigned officer, personally oppeared Abram. b. + Anu Hunsberger

sworn according to low, deposes and says that (he/she/they) leg/ore the Owner(s) of the property shown on this plan thereof was made at (his/her/their) direction, that (he/she/they) acknowledges the same to be (his/her/their) act and plan, that desires the same to be recorded, and all streets and other property identified as proposed public property (excepting those areas labeled "NOT FOR DEDICATION") are hereby dedicated to the

In witness whereof, I hereunto set my hand and official seal:

Signature and Seal of Ngton Public or Other Officer Authorized to Acknowledge Deeds

My Commission Expires april 22

NON-BUILD WAIVER NOTE

As of the date of this deed/plot plon recording, the property/subdivision described herein is and shall be dedicated for the express purpose of <u>Residential</u> use. No portion of this property/subdivision ore approved by <u>Newberry Tomnship</u> (Municipality) or the Department of Environmental Protection (DEP) for the installation of any sewage disposal facility. No permit will be issued for the installation, construction, connection to or use of any sewage collection, conveyance, treatment or disposal system (except for reports to existing systems) unless the municipality and DEP have collection, conveyance, treatment or disposal system (except for repairs to existing systems) unless the municipality and DEP have both approved sewage facilities planning for the property/subdivision described herein in accordance with the Pennsylvania Sewage Facilities Act (35 P.S. Sections 750.1 et seq.) and regulations promulgated thereunder. Prior to signing, executing, implementing or recording any sales contract or subdivision plan, any purchaser or subdivider of any portion of this property should contact appropriate officials of Newberry Township (Municipality), who are charged with administering the Sewage Facilities Act to determine the form of sewage facilities planning required and the procedure and requirements for obtaining appropriate permits or approvals.

PA DEP code number:

Recommended for Approval by the Township

RECORDER OF DEEDS

Recorded in the office for Recording Deeds, in and for York County, Pennsylvania, in Book _____, Page _____ Witness by hand and seal of office this, the ____ day of . A.D., 20 .

OWNER/SUBDIVIDER

Abrom B. Hunsberger & Amy Hunsberger 748 Greenbrior Road York, PA 17403

Abrom Hunsberger (Owner) (AKA Abrom B. Hunsberger)

any Husberge Army Husberger (Owners)

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3		E Alife
1		Financial Street
	LOCATION MAP	Copyright Permit # 21003212
4. 7	Scale: 1'=2000'	27003212

Porcel/ Lot No.	Address	UPI No.
Parcel 72	772 Greenbrian Road	36000KH0070A000000
Porcel 70A	748 Greenbrior Road	36000KH00720000000
	Greenbriar Road	

PA 1 CALL

DIG-DRILL-BLAST

PA ONE CALL SYSTEM

INFORMATION CONCERNING UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE COMPLETE OR ACCURATE. THE CONTRACTOR IS RESPONSIBLE TO CONTACT ALL UTILITIES AND/OR HAND EXCAVATE TO DETERMINE THE LOCATION AND DEPTH OF THE UTILITIES PRIOR TO EXCAVATION. THE CONTRACTOR WILL CONTACT THE UNDERGROUND LOCATING SERVICE, TEL. NO. 1-800-242-1776 (PA ONE CALL) FOR THE ACTUAL LOCATION OF THEIR FACILITIES BEFORE ANY WORK IS BEGUN ON THIS PROJECT.

SERIAL #20251610884 (748 Greenbrian Road)

STATEMENT OF ACCURACY

I hereby certify that, to the best of my knowledge, the survey and plan shown and described hereon is true and correct to the accuracy required by the Leacock Township Subdivision and Land Development Ordinance and/or Storm Water Management Ordinance. The error of closure is no greater than one foot (1') in ten thousand feet (10,000').

Dote: 9/63 2025

William J. Davis, PLS Registration No, SU043939E Agent for Gordon L. Brown & Associates



MANCHESTER TOWNSHIP SUBDIVISION & LAND DEVELOPMENT ORDINANCE - SECTION 22-408 APPLICABLE NOTES

- SIDEWALKS/CURBING: The owners, heirs, assigns or successors in the title agree that they shall install at the owners'expense concrete curbing, concrete sidewalk; or both concrete curbing and concrete sidewalk; and any necessory road widening to accompany the curbing to Township and/or State specifications within six months from the receipt of certified notification from the Township.
- 3. RIGHT-OF-WAYS/FASEMENTS: The owner shall not construct, plant, or maintain any structures, fences, trees, shrubbery, etc., within the sanitary sever, stormwater, or utility right(s)-of-way/easements in order to ensure a free and clear access to all facilities. Bituminous paving, commingling of sonitary sever, stormwater or utilities, or a change in ground contours within the right(s)-of-way/ easements will be permitted only with written consent of the Township.
- 4. GENERAL ACCESS: The owner hereby grants Monchester Township its representative a general access easement across the entire lot for access to public sewer and sampling manholes.
- NONCONFORMITIES: Any nonconforming building or structure is destroyed or damage by reason of windstorm, fire, flood, explosion or other act of God or public enemy to on extent of more than 50% of its fair market value at the time of the assualty shall not be rebuilt, restored, or repaired except in conformance of the provisions of the Manchester Township Zoning Ordinance [Chapter 27].
 - a. Parcel 70A (Combined Lot 2 & 3) No actual road frontage b. Parcel 72 (Residual Lot1) — Existing 2-1/2 Story Framed House does not conform to current front zoning setbacks.
- PUBLIC IMPROVEMENTS: All public improvement construction shall conform to the Manchester Township construction and materials specifications unless specific waivers have been granted.
- AUTHORITY STANDARDS: All work shall conform to the Manchester Township Municipal Authority's plan, design and construction standards.
- 10.2 <u>ADDRESSING</u>: Residential The street address number shall be mounted to the building with a minimum of two inch by three inch numbers that are visible from the street.
- RESTORATION: Landowner is responsible for povernent and curbing restoration if paving and curbing is constructed over or through the sanitary sewer easement/ right-of-way.
- MONUMENTS AND MARKERS: Permanent monuments and markers (steel pins) to be set at all property corners in accordance with Section 22-717 of this Chapter.
- 16. PA ONE CALL: Locations of existing underground utilities are based upon surface evidence and existing drawings (or whatever investigation was done) and are not guaranteed to be complete or occurate by Gordon L. Brown & Associates, Inc. Contractor(s) should contact the PA One Call System (1-800-242-1776) prior to any excavation as required by PA Act 38 (1991). PA One Coll has been notified 6/10/2025 – Serial Number 20251610884 & 20251610926.

- WAIVERS:

 Walver from Section 22-203 was granted by the Manchester Township Board of Supervisors for the requirement of a Preliminary Plan on
- b. Walver from Section 22-703.2 was granted by the Manchester Township Board of Supervisors for the requirement to construct concrete curb along the public road on _____
- c. Waiver from Section 22-709.1 was granted by the Manchester Township Board of Supervisors for the requirement to construct concrete sidewalk along the public road on _____

NOTE: "The owners, heirs, assigns or successors in the title agree Note: The owners, heirs, ossigns or successors in the title agree that they shall install at the owners' expense concrete curbing, concrete sidewalk; or both concrete curbing and concrete sidewalk; and any necessary rood widening to accompany the curbing to Township and/or State specifications with six months from the receipt of certified notification of the Township."

- 21. GRINDER PUMPS: The use of grinder pumps or pressure sewers shall not be permitted (optional wording <unless in conformance with Manchester Township Code of Ordinances Chopter 18, Part 1E>).
- PERMITS REQUIRED: No building construction may occur without permits first being issued in accordance with the ordinances of Manchester Township.
- BLASTING: No blasting is permitted with a State permit and advance notification to the Manchester Township Fire Chief.
- 27. AS-BUILTS: "As-Built" sanitary sewer drawings must be submitted and opproved by the Monchester Township Municipal Authority's engineer prior to the connection of any building to the sonitory sewer system.

 *As-Built's sonitory sewer drawings must be submitted of least 30 days prior to any proposed connection to the sanitary sewer system.
- RESIDENTIAL DRIVEWAYS: Residential driveways must be setback a minimum of three feet from all side and reor property lines. The maximum width of residential driveways at the right-of-way lines shall conform to the Manchester Township Zoning Ordinance [Chapter

GENERAL NOTES

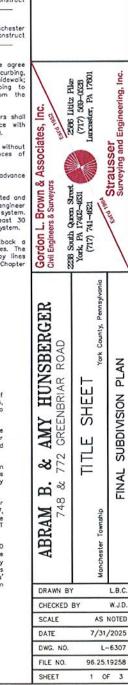
- The purpose of this plan is to subdivide a portion of land from Parcel 72 (Residual Lat 1) and add the portion of land to Parcel 70A (Combined Lot 2 & 3).
- The parent lot is currently being used for Residential purposes There will be no change in use by this subdivision plan.

2719-5649 (Parcel 70A - 748 Greenbriar Road) 2741-6754 (Parcel 72 - 772 Greenbriar Road)

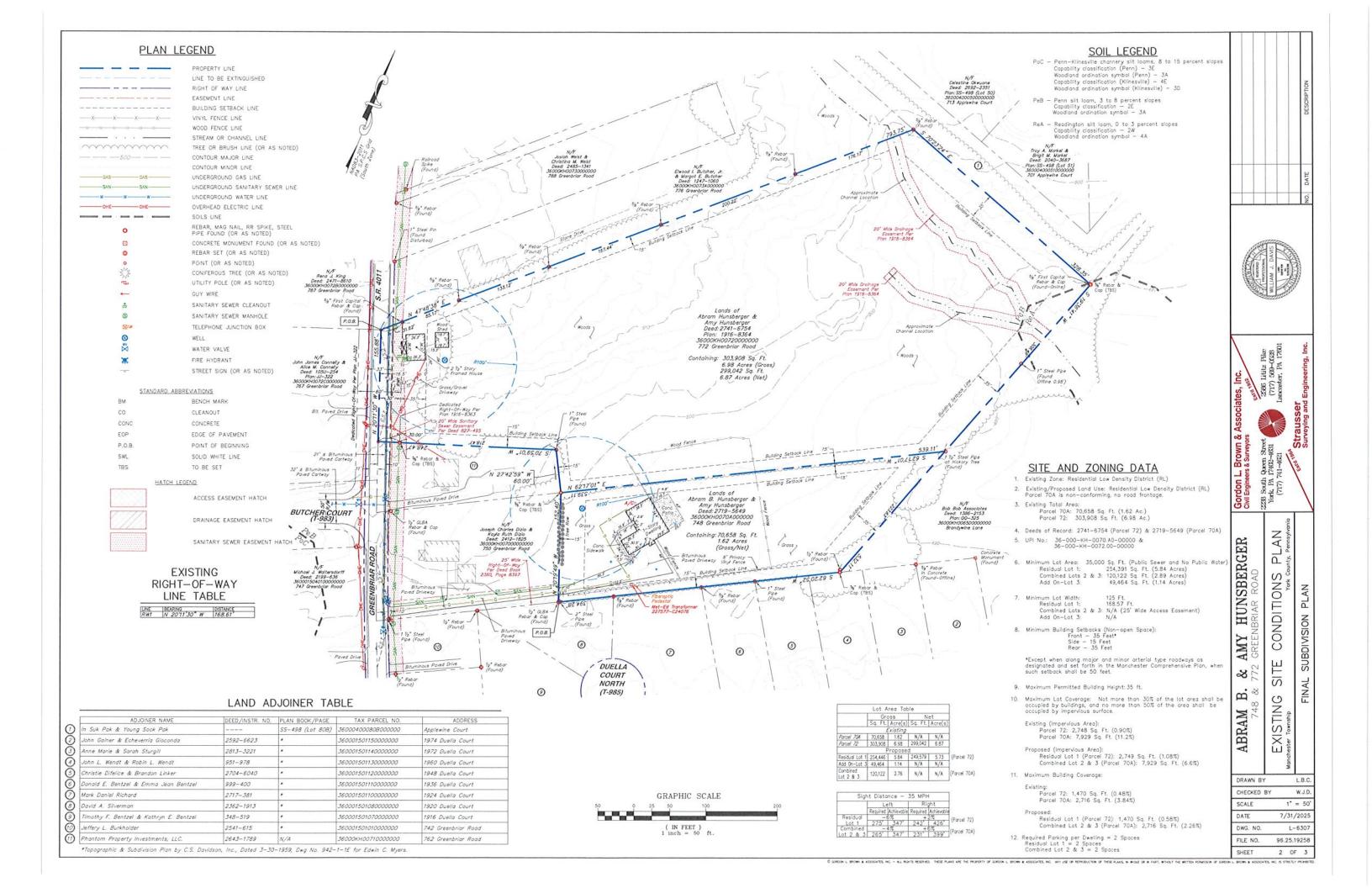
- The bearing base for the property lines are referenced to the NADB3 (2011), PA South Zone (Grid).
- 5. Boundary and planimetric features shown hereon were based on an actual field survey by Gordon L. Brown & Associates, Inc. in June-July 2025.
- 6. Contour information is based on the Pennsylvania Spatial Data Access (LIDAR) Light Detection and Ranging Resource, and does not represent any field run topography by Gordon L. Brown & Associates, Inc.
- 7. Lots are served by:
 Parcel 70A (Combined Lot 2 & 3) Public sewer and on-lot well.

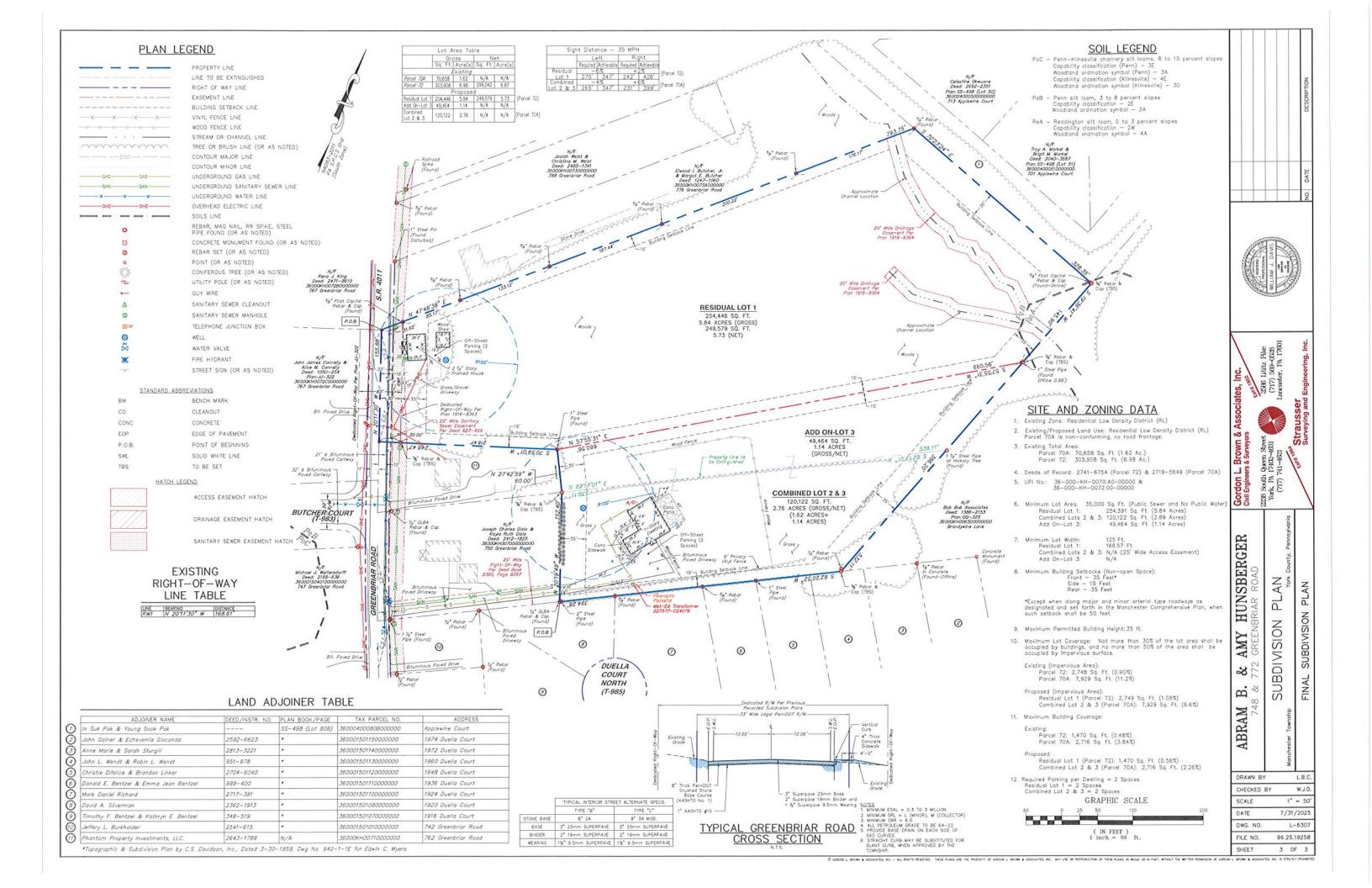
 Parcel 72 (Residual Lot 1) - Public sewer and on-lot well.
- 8. Monumentation will be set upon plan opproval. All proposed/missing property corners will be marked with rebars and caps unless otherwise noted.
- This subdivision plan was prepared <u>WTH</u> the benefit of a title search by an expert title abstractor. The title information shown hereon was derived from the best available land records at the time of the survey. The boundary lines shown hereon are the result of an actual field survey.

- Per FEMA Flood Insurance Rate Map for the Township of Manchester, Township of West Manchester and City of York, PA, Map Number 42133C0307F, effective date December 16, 2015, no flood plains exist on this project site.
- According to the National Wetlands Inventory Map website, there are no wetlands present on these sites as of 7/25/25, however wetland study was not completed by certified wetland
- 12. Location of all underground utilities is approximate as shown hereon. All locations and sizes area based on utility mark—outs and above ground structures. Available mark—outs and utility plans do not ensure underground utility and structure locations.
- 13. The existing 33' Right-Of-Way deploted hereon for Greenbrian Road (S.R. 4011) is based on York County Road Docket ∮17, Page 305, dated January 1812. Several adjoiner properties have had right-of-way dedicated but no records show that PennDOT ever accepted the dedication.
- 14. A Highway Occupancy Permit is required pursuant to Section 420 of the Act of June 1, 1945 (P.L. 1242, No. 428), known as the "State Highway Law", before Driveway access to a State Highway is permitted. Access to the State Highway shall only be as authorized by a Highway Occupancy Permit, and the Supervisors' approval of the this Plan in no way implies that such permit con be acquired.



COSCON L SHOWN & ASSOCIATES, INC. - ALL RIGHTS RESERVED. THESE PLANS AND THE PROPERTY OF CONDON L SHOWN & ASSOCIATES, INC. ANY USE OF REPRODUCTION OF THESE PLANS, IN WHOLE ON IN PART, WITHOUT THE WRITTEN PERMISSION OF CONDON L SHOWN & ASSOCIATES, INC.







August 20, 2025

Rachel Vega, Zoning Officer Manchester Township 3200 Farmtrail Road York, PA 17406

Re:

Jelleco, LLC (1260 & 1270 Mill Creek Road) Final Subdivision Plan Manchester Township Plan #2025-10 Engineer's Project No. 0841.3.10.09

Dear Rachel:

We have reviewed the above-referenced Final Subdivision Plan submitted by Gordon L. Brown & Associates, Inc, dated August 1, 2025. We offer the following comments:

Waiver Requests

- 1. §22-303 To allow the submission of a Preliminary/Final Plan
- 2. §22-703.2 To not require the installation of curb along the Mill Creek Road.
- 3. §22-709.1 To not require the installation of sidewalk along Mill Creek Road.

Zoning Ordinance

1. A maximum of two accessory buildings or utility sheds or combination thereof shall be allowed on a lot on which the principal building is a dwelling. Any additional numbers of accessory buildings shall require special exception approval from the Zoning Hearing Board (§27-1102.4). It appears that once the lot is consolidated, three accessory buildings will exist. It was stated at the in-house meeting on August 18 that the two existing sheds are scheduled to be removed in the Spring of 2026. Include a note on the plans stating the two existing sheds are to be removed by the end of 2026 in order to comply with the maximum number of allowed accessory buildings.

Subdivision Land Development Ordinance:

- 1. The address of the project shall be included in the title of the plans (§22-404.1.1.E).
- 2. Plan sheets to be recorded shall be indicated within the sheet index on the cover sheet of the plans (§22-404.1.10.A).
- 3. The net and gross lot area (listed in acres and sq. ft.) for the existing and proposed tracts shall be provided in tabular form in the site data table. (§22-404.3.1)
- 4. The location of the existing OLDS drain field shall be shown on the plans (§22-404.3.8).
- 5. Note that the minimum lot area and street frontage requirements are based on the fact that the lot is served by an on-lot septic system and well in the Zoning Data Notes (§22-404.3.10&11).
- 6. Reference the datum to which the site boundary survey references (§22-404.3.25).



- 7. All hatching shown on the plans shall be included in the legend of features (§22-404.4.3).
- 8. All areas with slopes greater than 15% shall be delineated and hatched on the plans (§22-404.4.16.A).
- 9. Show limits of existing tree masses on lots 1 and 2 (§22-404.4.17).
- 10. Label and dimension the existing full and half-width right-of-way of Mill Creek Road (§22-404.4.24).
- 11. The existing sanitary sewer within Mill Creek Road shall be shown on the plans (§22-404.4.27).
- 12. Existing structures and parking areas shall be dimensioned on the plans (§22-404.4.28.A).
- 13. The safe stopping sight distance (required and available), the approach grade, and the speed limit shall be listed for both driveways in both directions (§22-404.4.30).
- 14. All existing traffic control devices (signage) shall be shown on the plans (§22-404.4.35.A).
- 15. Existing fire hydrant locations or a note referencing the distance to the nearest hydrant shall be shown on the plans (§22-404.4.37.A).
- 16. Show and dimension the 100' isolation distance for the existing well on lot 2 (§22-404.4.38.C).
- 17. Provide a non-building waiver/exemption (§22-407.3.2).
- 18. The cover sheet shall include the owner(s)'s notarized signature prior to the Planning Commission meeting (§22-404.1.2).
- 19. The plan preparers dated and sealed-signature shall be added to the plans prior to final approval (§22-404.1.4).
- 20. Township standard note numbers: 5, 7, 10.2, 19, 21, 25, 27, and 32 shall be added to the plans. See attachment 3 of the SALDO for the required wording. (§22-408.3)

General Plan Comments:

- Revise note 9 to read as follows: Lots 1, 2, and Combined Lots 1 & 2 do not meet the minimum required 1 acre (minimum lot area for single-family residential in the Residential Low-Density District. The consolidation of lots 1 and 2 reduce this existing nonconformity from 0.492 Ac. (Lot 1) and 0.505 Ac. (Lot 2) to 0.895 Ac. (Combined Lots 1 & 2). Lots 1 and 2 shall be joined together, and shall not be separated therefrom without the approval of Manchester Township.
- 2. Revise note 4 to correct the typo of "combined".
- 3. Add a typical street cross-section depicting the Mill Creek Road dimensions and future curb and sidewalk improvements.
- 4. Revise the zoning district within the zoning data dates to "RL Residential Low Density District".

If you have questions related to the enclosed information or require any clarification, please feel free to contact me at our York office number or via email CAM@csdavidson.com.

Sincerely,

Cory A. McCoy, P.E.

CAM/AJS/SXM/dmg

Copy:

B.J. Treglia, P.E. Manchester Township via email: <u>b.treglia@mantwp.com</u> Lee Faircloth, Gordon L Brown & Associates, Inc. via email: <u>||faircloth@glba-engineering.com</u>

File

K:\084131009\Correspondence\Letters-Reports\2025-08-20 Jelleco LLC - FSP Review Letter.docx

JELLECO, LLC (1260 & 1270 MILL CREEK ROAD) FINAL RESUBDIVISION PLAN LOCATED IN MANCHESTER TOWNSHIP, YORK COUNTY, PA

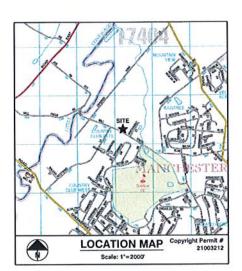
eviewed by the Planning Commission f Manchester Township	Approved by the Supervisors of Manchester Township.
Date:	Date:
eviewed by the York County Planning	Reviewed by the Township Engineer
Date:	Date:

Streets and utilities within dedicated right—of-ways shown hereon are tendered for dedication to public use and the subdivision design is hereby approved by the awner(s), heir(s) and



INFORMATION CONCERNING UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE COMPLETE OR ACCURATE. THE CONTRACTOR IS RESPONSIBLE TO CONTACT ALL UTILITIES AND/OR HAND EXCAVATE TO DETERMINE THE LOCATION AND DEPTH OF THE UTILITIES PRIOR TO EXCAVATION. THE CONTRACTOR WILL CONTACT THE UNDERGROUND LOCATING SERVICE, TEL. NO. 1-800-242-1776 (PA ONE CALL) FOR THE ACTUAL LOCATION OF THEIR FACILITIES BEFORE ANY WORK IS BEGUN ON THIS PROJECT.

SERIAL # 20251330885



SHE	ET LEGEND
SHEET#	DESCRIPTION
* SHT. 1	TITLE SHEET
* SHT. 2	PLAN SHEET

Lot No.	Address	UPI No.
1	1270 Mill Creek Rood	36-000-LH-0129.E0
2	1260 Mill Creek Road	36-000-LH-0155.00

Recorded in the office for Recording Deeds, in and for York County, Pennsylvania, in Subdivision Plan Book ______ Page do yof ______ Witness by hand and seal of office this, the _____ A.D., 2025.

As of the date of this deed/plot plan recording, the property/subdivision described herein is and shall be dedicated for the express purpose of <u>residential</u> use. No portion (or lot number(s) _______) of this property/subdivision are approved by <u>Manchester Township</u>. (Municipality) or the Department of Environmental Protection (DEP) for the installation of any sewage disposal facility. No permit will be issued for the installation, consuction, connection to or use of any sewage collection, conveyance, treatment or disposal system (except for repairs to existing systems) unless the municipality and DEP have both approved sewage facilities planning for the property/subdivision described herein in accordance with the Pennsylvania Sewage Facilities Act (35 P.S. Sections 750.1 et seq.) and regulations promulgated thereunder. Prior to signing, executing, implementing or recording any sales contract or subdivision plan, any purchaser or subdivider of any portion of this property should contact appropriate officials of <u>Manchester Township</u> (Municipality), who are charged with administering the Sewage Facilities Act to determine the form of sewage facilities planning required and the procedure and requirements for obtaining appropriate permits or approvals.

MANCHESTER TOWNSHIP SUBDIVISION & LAND DEVELOPMENT ORDINANCE SECTION 22-408 APPLICABLE NOTES

5. <u>Nonconformities</u> — If any nonconforming building or structure is destroyed or damaged by reason of windstorm, fire, flood, explosion or other act of God or public enemy to an extent of more than 50% of its fair market value at the time of the casualty shall not be rebuilt, restored, or repaired except in conformance of the provisions of the Manchester Township Zoning Ordinance [Chapter 27].

- 7. <u>Authority Standards</u> All work shall conform to the Manchester Township Municipal Authority's plan, design and construction standards.
- 10.2. <u>Addressing Residential.</u> The street address number shall be mounted to the building with a minimum of two inch by three inch numbers that are visible from the street.
- Waivers:
 A. Waiver from Section 22–303 was granted by the Manchester Township Board of Supervisors for the requirement of a Preliminary Plan on _______
- B. Waiver from Section 22-703.2 was granted by the Manchester Township Board of Supervisors for the requirement to construct concrete curbing along the public road on ______
- C. Walver from Section 22-709.1 was granted by the Manchester Township Board of Supervisors for the requirement to construct concrete sidewalk along the public road on 21. <u>Grinder Pumps</u> — The use of grinder pumps or pressure sewers shall not be permitted. (optional wording cunless in conformance with the Manchester Township Code of Ordinances Chapter 18, Part 1E>).
- 25. <u>Blosting</u> No blosting is permitted without a State permit and advance natification to the Manchester Township Fire Chief.
- 27. As—Builts 'As—built' sonitory sewer drawings must be submitted and approved by the Manchester Township Municipal Authority's engineer prior to the connection of any building to the sonitory sewer system. 'As—built' sonitory sewer drawings must be submitted at least 30 days prior to any proposed connection to the sonitory sewer system.
- 32. <u>Residential Driveways</u> Residential driveways must be setback a minimum of three feet from all side and rear property lines. The maximum width of residential driveways at the right-of-way lines shall conform to the Manchester Township Zoning Ordinance [Chapter 27].

I, William J. Davis, a Registered Professional Land Surveyor of the Commonwealth of Pennsylvania, do hereby certify that this plan correctly represents the lots, land, and highways as surveyed and plotted for the owners or agents. Error of closure is not more than 1 part in 10,000.

Willows 2/29/2
Willow J. Dayls, P.L.S. Uote:
Registration/No. SU043939E
(Agent for Gordon L. Brown & Associates, Inc.) 8/29/2025

国

DRAWN BY

SCALE DATE

DWG. NO.

CHECKED BY

S.J.S.

AS NOTED

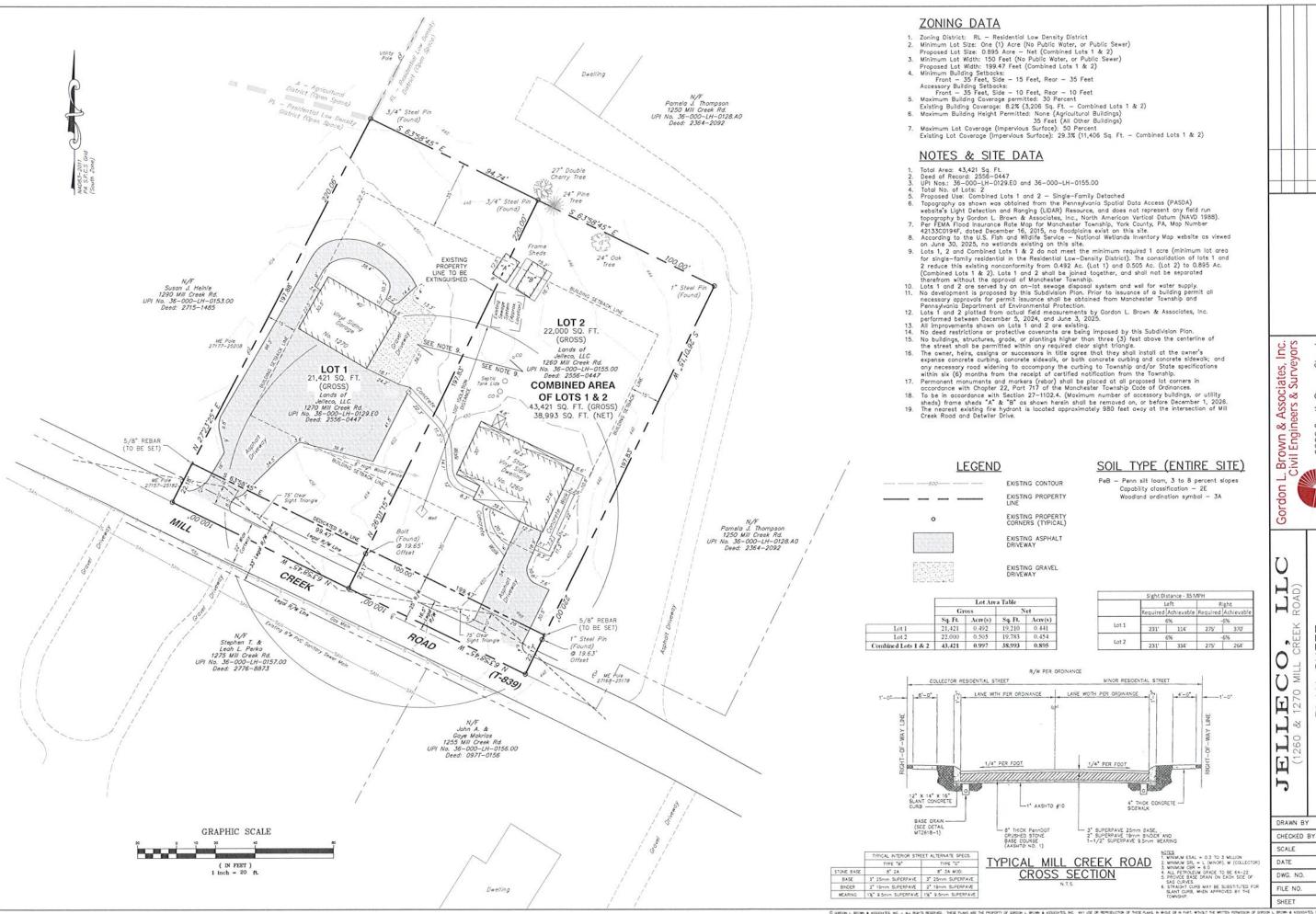
07/30/25

L-6297 03.25.19308

2238 South Queen Street York, PA 17402-4631 (717) 741-4621

Brown & Associates, Ir ivil Engineers & Surveyo

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2 OF 2



July 28, 2025

Rachel Vega, Zoning Officer Manchester Township 3200 Farmtrail Road York, PA 17406

Re:

Penn Avenue Residential Preliminary Land Development Plan Manchester Township Plan #2025-05 Engineer's Project No. 0841.3.16.69

Dear Rachel:

We have reviewed the above-referenced Preliminary Land Development Plan, created by Landworks Civil Design, LLC, revised July 7, 2025. We offer the following comments:

Waiver Requests

- 1. §22-702.1.E.3 Requirement to provide street centerline angle of intersections at 90°.
 - The applicant shall state the angle of proposed intersections.
- 2. §22-702.1.E.5 Requirement to provide a minimum curb radius of 35'.
 - The applicant shall state the minimum proposed curb radius.
- 3. §26-126.7.I.5 Requirement to place inlets such that the maximum gutter spread for a 25-yr storm event is no greater than ½ of the travel lane width and a maximum depth of 3" at the curbline.
 - o The applicant shall state the proposed gutter spread and curbline depth for the 25-yr storm event.

Zoning Ordinance

- 1. Corner lots (specifically lot #'s 1 & 72) shall have rear setbacks opposite the frontage of the street address (§27-409.2.C.2). Setbacks for all corner lots shall be dimensioned on the plans.
- 2. Areas set aside for open space shall have a minimum size of two acres. (§27-409.3.A.5)
- 3. All lots for dwelling units shall either abut directly on open space or shall be located within 500 feet of access to open space. (§27-409.3.C)
- 4. The following are requirements of the relocated access drive for Prospect Hill Cemetery:
 - a. The access shall meet PennDO⁻'s safe stopping sight distance (SSSD) regulations. In both directions, label the required and proposed SSSD, approach grade, and speed limit. (§27-1506.3)
 - b. Clarify if the access drive is to serve one or two directions of traffic. Minimum width of an access drive is 18' and 24' respectively. The proposed drive is 16' wide. (§27-1506.4)
 - c. An access and operation and maintenance agreement shall be provided for the relocated access drive.

5. Regarding the open space calculations, a note shall be added to the plans stating: "Open space calculations include the easement areas. Per Loch v. Zoning Hearing Board of Borough of Emmaus, 569 A.2d 1035, 1037 (Pa. Cmwlth. 1990). The court noted that an easement is not a right-of-way. Easement rights do not negate open space and do not detract from the land area counted for minimum lot area purposed."

Subdivision and Land Development Ordinance

- 1. The planning module or exemption number shall be provided. (§22-405.3.19)
- 2. The existing Met-Ed and Gas easements shall be described with bearings and distances on the subdivision plan sheets. (§22-405.4.4)
- 3. The location and depth of all infiltration tests/test pits/soil borings shall be shown and labeled on the plans. We recommend showing these on the Proposed Conditions Drainage Area Map. (§22-405.4.11.B)
- 4. Areas of steep slopes (>15%) shall be hatched and shown on the existing conditions plans (§22-405.4.16.A). Any proposed slopes >15% shall also be identified on the grading plans.
- Label and dimension the existing right-of-way of Pennsylvania Avenue on the plans. (§22-405.4.24 and 26)
- 6. The applicant shall provide authorization letters to the Township from the owners of the gas and power transmission lines acknowledging review and approval of the proposed improvements. These letters shall include any restrictions imposed by the utility owners. (§22-716)
- 7. A statement of ownership, acknowledgment of the plan, and offer of dedication shall be provided on the coversheet of the plans and the owner's notarized signature shall be added. (§22-404.1.2)
- 8. The registered professional responsible for the creation of the plans shall sign, seal, and date the plans. (§22-404.1.4)
- 9. Provide proof of Soil Erosion and Sedimentation Control plan (NPDES Permit or Amendments thereto) approval. (§22-407.4.1)
- 10. Proof of US Postal Service approval for the proposed street names and addresses shall be provided. (§22-407.4.6)
- 11. A Traffic Impact Study shall be required with the submission of a new site plan for residential development in excess of 20 dwelling units. (§22-410.2.A)
- 12. Sidewalk is required to be installed along the property's length of Pennsylvania Avenue. (§22-709)
- 13. Stormwater management plan approval shall be obtained from the Township Engineer prior to unconditional approval of this plan.
- 14. The Carbonate Geology Certification shall be executed by the registered professional.

General Comments

- 1. Provide the typical street cross-section on the notes sheet C-101. The cross-section shall be revised to reflect the proposed improvements specifically for this site. Sidewalk widths shall be shown consistent with the plans and other details throughout. Cartway and right-of-way widths shall be dimensioned.
- 2. Revise the "slant curb to Type C inlet transition" detail on sheet C-1001 to shown a minimum 5' transition.
- 3. Revise the "standard frame and cove" lettering" detail on sheet C-1003 for consistency with the Manchester Township Construction and Material Specifications "MAN TWP SANITARY SEWER".
- 4. Revise the "manhole steps" detail or sheet C-1003 to identify a min. length of 7" for consistency with the Manchester Township Construction and Materials Specifications.
- 5. The sanitary sewer manhole detail shall allow a maximum 22" to the first step on sheet C-1003.
- 6. Additional survey/topography/significant features must be shown in the vicinity of SWM BMP #1 discharge to properly evaluate potential downstream impacts.
- 7. A means of secondary or emergency access shall be evaluated to the proposed site.
- 8. It appears that the grading plan is proposing 2:1 slopes at the rear of lots 7-12; a minimum 3:1 slopes shall be provided for future maintenance.
- 9. Proposed storm easements shall be shown on the grading and drainage plan sheets to confirm all necessary locations are provided.
- 10. All easements shall be labeled with type, shaded or hatched, and dimensioned on all plan sheets.
- 11. Evaluate the sanitary sewer alignment and number of manholes being proposed around street radii manholes should be eliminated where possible.
- 12. Within the street profiles, the limits of proposed fill shall be delineated along with a note stating the requirement for compaction testing to be performed.
- 13. Under "List of Utilities" on the cover sheet of the plans, the sewer contact for Manchester Township should be "Public Works Department", email: onecall@mantwp.com.
- 14. Conversion to Township sewer datum should be provided with the vertical datum note on sheet C-101.
- 15. The N/F owner, deed reference, UPI, and acreage for the parcel shall be shown on plan sheets C-200 thru C-202.
- 16. The site data table on plan sheet C-101 shall include both the minimum required and proposed data.
- 17. In the open space and allowable density table, open space provided shall include lot 84, not lot 85.

- 18. The plan scale indicated in the title block of plan sheet C-200 is inconsistent with the scale provided on the plans.
- 19. A general note should be added to sheet C-101 which allows the Township access to inspect all SWM facilities.
- 20. The extent of pavement restoration required along Pennsylvania Avenue shall be detailed on the plans.
- 21. We recommend grading swales across the rear yards of lots 47 thru 51 and lots 52 thru 58, and in the side yards of lots 13 thru 21 and lots 22 thru 31.
- 22. A downstream storm sewer capacity analysis shall be provided for the existing storm sewer system beginning with the proposed connection to MH 5-0 along Pennsylvania Avenue.
- 23. The discharge of SWM facility #1 shall not be onto the location of the existing sanitary sewer main. The discharge point shall receive acknowledged approval of the adjacent property owner as to the location and magnitude of flow.
- 24. An analysis shall be provided of the adequacy of the proposed rip-rap apron at OS-1C and the downstream vegetated area to prevent erosion by the concentrated flow.
- 25. The fencing around the basins shall be identified on the appropriate plan sheets.
- 26. The minimum grade for sanitary sewer mains shall be 0.50%.
- 27. All utility pipes shall be labeled in the profile views.
- 28. The size, type, and grade of all storm sewer pipes shall be labeled in the profile views.
- 29. A minimum separation of 7' shall be maintained between the outside of all sanitary sewer manholes and outer wall of all storm sewer pipes.
- 30. The sanitary sewer main between MH D and MH E is missing from the profile on sheet C-803.
- 31. Inlets 2-11A and 2-12A shall be relocated so as not be in conflict with the crosswalk or vice versa, see sheet C-802.
- 32. Label all zoning and municipal boundaries surrounding the subject property.
- 33. The key map still refers to the previous site layout and shall be updated.
- 34. The address of the property should be identified on the cover sheet of the plans.
- 35. The notary signature block shall be moved outside of the offers of dedication on the cover sheet.
- 36. All plan sheets within the C-300 and C-400 series have a 1"=150' scale. The maximum scale is 1"=100'.
- 37. All utilities shall be identified in the plan legend.

Traffic Engineer Comments

- 1. Add the following note to the cover sheet: "All traffic signs are to be installed per the PennDOT standard for the installation of Type B Post-Mounted Signs. Refer to Section 931 in the current version of PennDOT Publication 408, Specifications."
- 2. Speed limit signs shall be placed in both directions on each road segment and must be within 200 feet of the intersections.
- 3. The crosswalks at the 4-way internal intersection should be moved closer to the intersection for better pedestrian visibility.
- 4. The designer should provide a sightline exhibit for the required sightlines from the stopped approaches at the 4-way internal intersection to determine if any sightlines cross the corner lots. If they do, sightline easements will be required.
- 5. All street centerline intersection angles shall be labeled.
- 6. Submission of a traffic impact study is required.

If you have questions related to the enclosed in formation or require any clarification, please feel free to contact me at the York office number or via email CAM@csdavidson.com.

Sincerely,

cory(h.)viccoy, r.L.

CAM/AJS/ Copy: File

B. J. Treglia, P.E. Manchester Township, via email: <u>b.treglia@mantwp.com</u>
Josh George, Landworks Civil Design, LLC via email: (jgeorge@landworkscd.com)

K:\084131669\Correspondence\Letters-Reports\2025-07-28 Penn Ave. Residential - PLD Review.docx

Rachel Vega

From:

Mark Henise, PE <mlhenise@elagroup.com>

Sent:

Wednesday, September 17, 2025 4:09 PM

To:

Cory McCoy

Cc:

Benedict Treglia; Rachel Vega

Subject:

Traffic Comments for Plans Submitted this Month

Follow Up Flag:

Follow up

Flag Status:

Flagged

Hi Cory. My comments on the following plans are as follows:

LCBC

- 1. Trip distribution calculations should be provided in the appendices of the TIS.
- 2. I don't have any comments on the plans.

3490-3510 Board Road

1. The only comments that I have are the issues that I mentioned at the meeting with the residential driveways not meeting the residential driveway requirements in the Zoning Ordinance, and potentially not having PennDOT HOPs, which is also a Zoning Ordinance requirement. Mike mentioned yesterday that he thought they would be considered existing nonconformities. If that is the case, then I have no comments.

Penn Ave. Residential

- The previous speed limit sign has been partially addressed. Speed limit signs are needed on the southern loop of Erin Lane. Also, as a clarification of the previous comment, speed limit signs are not needed within 200 feet of the intersection on the side of the road entering the intersection, just on the side of the road exiting the intersection.
- 2. The sightline inset on Sheet C-500 is incorrect, as sightlines do not appear to end on the street. Also the stopbars and STOP signs can be moved closer to the intersection to lessen the area needed for the easements.



MARK HENISE, PE

Director: Transportation Engineering

T: (717) 626-7271 D: (717) 625-7665 M: (717) 468-0317

EPHRATA | STATE COLLEGE | BUTLER

100% Employee Owned Company (ESOP)

We're Hiring!

Note: Our corporate headquarters has moved to 4139 Oregon Pike, Ephrata, PA 17522.

Disclaimer: This E-mail may contain information that is privileged, proprietary or confidential. If you are not the intended

PRELIMINARY SUBDIVISION PLAN FOR PENN AVENUE RESIDENTIAL

PENN AVENUE PARTNERS MANCHESTER TOWNSHIP, YORK COUNTY, PENNSYLVANIA APRIL 7, 2025

	THOUSAND FEET (18,000 //)
	GREGORY L. CONDON, P.L.S. REG. NO. SU-32480-E
MANCHESTER TOWNSHIP PLANNING COMMISSION	
AT A MEETING ON	
MANCHESTER TOWNSHIP BOARD OF SUPERVISORS	CARBONATE GEOLOGY CERTIFICATION
AT A MEETING ON 20 THE BOARD OF SUPERVISORS OF THE TOWNSHIP OF MANCHESTER APPROVED THIS PROJECT, AND ALL CONDITIONS OF APPROVAL WAVE BEEN MET. THIS APPROVAL INCLUDES THE COMPLETE SET OF PLANS AND INFORMATION WHICH ARE FILED WITH THE TOWNSHIP, BASED UPON ITS CONFORMITY WITH THE STANDARDS OF THE MANCHESTER TOWNSHIP SUBDIVISION AND LAND DEVELOPMENT ORDINANCE.	I, JOSHUA C. GEORGE, CERTIFY THAT THE PROPOSED STORMWATER MANAGEMENT FACILITIES ARE NOT UNDERLAIN BY CARBONATE GEOLOGY.
	JOSHUA C. GEORGE, P.E. REG. NO. 056897-E
STATEMENT OF OWNERSHIP, ACKNOWLEDGEMENT OF PLAN, AND OFFER OF DEDICATION	YORK COUNTY PLANNING COMMISSION
ON THIS, THE	THIS PLAN HAS BEEN REVIEWED BY THE YORK COUNTY PLANNING COMMISSION THIS DAY OF
OF THE PROPERTY SHOWN ON THIS PLAN, THAT HE IS AUTHORIZED TO EXECUTE SAID PLAN ON BEHALF OF THE CORPORATION, THAT THE PLAN IS THE ACT AND DEED OF THE CORPORATION. THAT THE CORPORATION DESIRES THE SAME TO BE RECORDED, AND THAT ALL STREETS AND DTHER PROPERTY IDENTIFIED AS PROPOSED PUBLIC PROPERTY (EXCEPTING THOSE AREAS ABELED "NOT FOR DEDICATION") ARE HEREBY DEDICATED TO THE PUBLIC USE.	DIRECTOR DATE
OWNER'S SIGNATURE	
DWNER'S NAME AND TITLE	
MY COMMISSION EXPIRES	
STATE OF	RECORDER OF DEEDS CERTIFICATION
COUNTY OF	RECORDED IN THE OFFICE FOR RECORDING OF DEEDS, IN AND FOR YORK COUNTY, PENNSYLVANIA, IN PLAN BOOK PAGE THIS DAY
	OF 20 AS INSTRUMENT NUMBER:
NOTARY'S SIGNATURE	

MANCHESTER TOWNSHIP ENGINEER

REVIEWED BY THE MANCHESTER TOWNSHIP ENGINEER.

SURVEYOR'S CERTIFICATION

I GREGORY L. CONDON, HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, THE

SURVEY AND PLAN SHOWN AND DESCRIBED HEREON IS TRUE AND CORRECT TO THE ACCURACY REQUIRED BY THE MANCHESTER TOWNSHIP SUBDIVISION AND LAND DEVELOPMENT ORDINANCE (ERROR OF CLOSURE NO GREATER THAN ONE FOOT (1) IN TEN

ENGINEER'S CERTIFICATION

I, JOSHUA C. GEORGE, HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE, THE SUBDIVISION PLAN SHOWN AND DESCRIBED HEREON IS TRUE AND CORRECT TO THE ACCURACY REQUIRED BY THE MANCHESTER TOWNSHIP SUBDIVISION AND LAND DEVELOPMENT ORDIVANCE.

JOSHUA C. GEORGE, P.E. REG. NO. 056897-E

SUMMARY OF WAIVERS

AT A MEETING ON ______ 2025, THE MANCHESTER TOWNSHIP BOARD OF SUPERVISORS APPROVED THE FOLLOWING WAIVERS AND MODIFICATIONS TO THE REQUIREMENTS OF MANCHESTER TOWNSHIP ORDINANCES:

- § 22-410 TRAFFIC IMPACT STUDY
 § 22-702.1.E(3) ANGLE OF STREET CENTERLINES
 § 22-702.1.E(5) MINIMUM CURB RADIUS

1. 626-126.7.I/51 - STREET GUTTER SPREAD

OWNER / APPLICANT

SOURCE OF TITLE

RECORD BOOK 2703, PAGE 7266 RECORD BOOK 2698, PAGE 5023

LIST OF UTILITIES

COMPANY: COLUMBIA GAS OF PA INC ADDRESS: 1600 DUSLIN RD COLUMBUS, OH, 43215 CONTACT: USA COLUMS EMAIL: Idugan@nisource.com

COMPANY: COMCAST C/O USIC LOCATING SERVICES INC ADDRESS: 19085 HAMILTON CROSSING BLVD SUITE 200 CARMEL, IN ASSOCIATION OF SERVICES OF SERV

COMPANY: MET ED C/O FIRSTENERGY
ADDRESS: 21 S MAIN ST
A/RON, OH. 443082200
CONTACT: PETE HACHEM
EMAIL: PHACHEM@FIRSTENERGYCORP.COM

COMPANY: MANCHESTER TOWNSHIP ADDRESS: 3200 FARMTRAIL ROAD YORK, PA 17405 CONTACT: JEFF BESHORE EMAIL: JBESHORE@MANTWP.COM

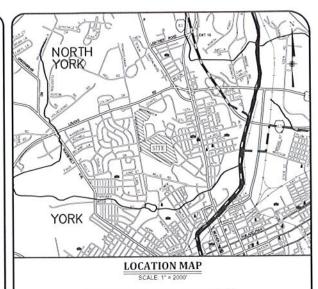
ADDRESS: 37 W 8TH ST
WYOMING, PA, 18644
CONTACT: RONALD SILINSKIE
EMAIL: RONALD SILINSKIE@VERIZON.COM

COMPANY: VERIZON BUSINESS FORMERLY MCI ADDRESS: 400 INTERNATIONAL PARKWAY RICHARDSON, TX. 75081 CONTACT: DEAN BOYER EMAIL: INVESTIGATIONS@VERIZON.COM

COMPANY: YORK WATER COMPANY ADDRESS: 130 E MARKET ST YORK, PA. 17401 CONTACT: JASON HEITMANN EMAIL: jssonh@yorkwater.com

ONE CALL SYSTEM SERIAL NO. NOTIFICATION: DATE: MARCH 1, 2023 ONE CALL SYSTEM SERIAL NUMBER [202305593





UNIFORM PARCEL IDENTIFIER 36-000-JH-0070.C0-00000

	INDEX OF DRAWINGS
SHEET NO.	TITLE
C-100	COVER SHEET
C-101	GENERAL NOTES
C-200	OVERALL EXISTING CONDITIONS PLAN
C-201 - 202	EXISTING CONDITIONS PLAN
C-300	PRELIMINARY SUBDIVISION PLAN
C-400	OVERALL SITE PLAN
C-401- 402	SITE PLAN
C-500	SIGNAGE & PAVEMENT MARKING PLAN
C-600	OVERALL GRADING & DRAINAGE PLAN
C-601 - 603	GRADING & DRAINAGE PLAN
C-701 - 702	UTILITY & EASEMENT PLAN
C-801 - 804	ROADWAY PROFILES
C-805	SANITARY & STORMWATER EXTENSION PROFILES
C-806 - 807	STORMWATER PROFILES
C-901 - 902	LANDSCAPING PLAN
C-1001 - 1007	CONSTRUCTION DETAILS
	32 SHEETS IN SET

LANDWORKS CIVIL DESIGN, LLC HEREBY STATES THAT, PURSUANT TO THE PROVISIONS OF ACT 287 OF 1974, OF THE PENNSYLVANIA LEGISLATURE, IT HAS PERFORMED THE FOLLOWING IN PREPARING THESE DRAWINGS REQUIRING EXCAVATION OR DEMOLITON WORK AT SITES WITHIN THE POLITICAL. SUBDIVISION(S) SHOWN ON THESE DRAWINGS:

- PURSUANT TO SECTION 4, CLAUSE (2) OF SAID ACT, LANDWORKS CIVIL DESIGN, LLC REQUESTED FROM EACH USERS OFFICE DESIGNATED ON SUCH LIST PROVIDED BY THE ONE CALL SYSTEM NOTIFICATION, THE INFORMATION PRESCRIBED BY SECTION 2, CLAUSE (4) OF SAID ACT, NOT LESS THAN (10) NOR MORE THAN (30) WORKING DAYS BEFORE FINAL DESIGN IS
- PURSUANT TO SECTION 4, CLAUSE (5) OF SAID ACT, LANDWORKS CLIFL DESIGN, LLC MAS MET THEIR OBLIGATIONS OF CLAUSE (2) BY CALLING THE ONE CALL SYSTEM SERVING THE LOCATION WHERE EXCANATION IS TO BE FERFORMED.
- 3. PURSUANT TO SECTION 4, CLAUSE (3) OF SAID ACT, LANDWORKS CIVIL DESIGN, LLC HAS SHOWN UPON THESE DRAWINGS "THE POSITION AND TYPE OF EACH LINE, AS DERIVED PURSUANT TO THE RECUEST MADE AS REQUIRED BY CLAUSE (3). THE SERIAL NUMBER PROVIDED BY THE CALL SYSTEM, THE TOLL FREE ONE CALL SYSTEM PHONE NUMBER, AND THE NUMBER THE THE PROVIDED BY THE CALL SYSTEM, THE TOLL FREE ONE CALL SYSTEM PHONE NUMBER, AND SHOWN ON THE LIST REFERRED TO IN SECTION 4, CLAUSE (5) OF SAID ACT."

AND LANDWORKS CIVIL DESIGN, LLC DOES NOT MAKE ANY REPRESENTATION, WARRANTY, ASSURANCE OR GUARANTEE THAT THE INFORMATION RECEIVED PURSUANT TO SAID REQUEST AND AS REFLECTED ON THESE DRAWINGS IS CORRECT OR ACCURATE, BUT LANDWORKS CIVIL DESIGN, LIC IS REFLECTEN SAID INFORMATION ON THESE DRAWINGS ONLY DUE TO THE REQUIREMENTS OF THE SAID ACT NO. 181 OF 2006.

PROJECT NAME			
PENN	AVENUE	RESID	ENTIA

PROJECT NO. C-100 22-0108-008



LANDWORKS CIVIL DESIGN, LLC

land development consultants

221 WEST PHILADELPHIA ST., SUITE 110 YORK, PA 17401 p (866) LNDWRKS www.landwerkscd.com

ZONING CLASSIFICATION:	OPEN SPACE RESIDENTIAL; LOW DENSITY DISTRICT
EXISTING USE:	UNDEVELOPED
PROPOSED LOTS:	64 BUILDING LOTS, 2 OPEN SPACE LOTS, STORWWATER LOT
PROPOSED USE	SINGLE-FAMILY DETACHED DWELLING
EXISTING LOT AREA:	2,296,047.6 (52.71 ACRES) (GROSS NET)
MINIMUM BUILDING SETBACK	FRONT: 30 FT. SIDE: 10 FT. REAR: 30 FT.
MINIMUM LOT AREA:	12,500 S.F. (0.29 ACRES)
MINIMUM LOT WIDTH:	80 FT.
MINIMUM LOT DEPTH:	125 FT.
MAXIMUM LOT COVERAGE	65%
MAXIMUM BUILDING COVERAGE:	50%
MAXIMUM BUILDING HEIGHT:	35 FT.
PROPOSED BUILDING HEIGHT:	< 35 FT.
MINIMUM PARKING SETBACK:	FRONT: 20 FT.
DATUM REFERENCE	NAVD 88
PROPOSED WATER SERVICE:	PUBLIC (YORK WATER CO.)

PARKING DATA

LINEAL FEET OF NEW STREE

PROPOSED USE:	DWELLING
REQUIRED PARKING	2 SPACES PER DWELLING UNIT
PROVIDED PARKING:	4 SPACES PER DWELLING UNIT (GARAGE AND DRIVEWAY)

OPEN SPACE AND ALLOWABLE DENSITY

EXISTING LOT AREA:	2,295,047.6 S.F.
EXISTING ROADWAYS:	0 S.F.
ENVIRONMENTALLY SENSITIVE AREAS:	
FLOODPLAINS:	0 S.F.
WETLANDS:	0 S.F.
SLOPES >15%	31,874 S.F.
10% OF EXISTING LOT AREA	229,605 S.F.
NET TRACT AREA:	2,034,568 S.F.
MAXIMUM NUMBER OF DWELLING UNITS:	102
MINIMUM OPEN SPACE REQUIRED (35% OF PARCEL):	803, 616 S.F.
OPEN SPACE PROVIDED:	855,890 S.F.
LOT 85	49,130 S.F.
LOT 86 (AT 50%):	53,065 S.F.
LOT 87 :	753,695 S.F.

SURVEY NOTES

- BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION DEPICTED ON THIS PLAN HAS BEEN DERIVED FROM A FIELD SURVEY BY MORRIS & RITCHIE ASSOCIATES PERFORMED IN 2007 AND BY BISCON AERO, PERFORMED IN 2018, 2019, AND 2021.
- 2. HORIZONTAL DATUM, NAD 63 (PA SOUTH ZONE GRID)
- 3 VERTICAL DATUM NAVD 88
- 4. THE TOTAL AREA OF THE SUBJECT PROPERTY IS 52,706 ACRES.
- 5. SOURCE OF TITLE INFO: RECORD BOOK 2703, PAGE 7266 AND RECORD BOOK 2698, PAGE 5023.
- THE LOCATION OF UTILITIES AS SHOWN ON THIS PLAN IS BASED ON ABOVE GROUND INDICATIONS, FIELD OBSERVATIONS, RECORD DRAWINGS AND THE RESULT OF A PA ONE CALL AS SUCH, THE ACTUAL LOCATION OF UNDERGROUND UTILITIES MAY VARY FROM THAT SHOWN ON THE PLAN.
- PRIOR TO ANY EARTHMOVING ACTIVITIES ON THE PROPERTY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES IN ACCORDANCE WITH ACT 287 TO VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES.
- 8. ONLY THOSE PROPERTY CORNERS THAT WERE FOUND OR SET AS PART OF THIS SURVEY ARE NOTED AS SUCH ON THE SURVEY PLAN
- 9. EXISTING FEATURES WITHIN THE PROPOSED CONSTRUCTION LIMITS SHALL BE REMOVED AND/OR RELOCATED AS REQUIRED
- 10. ALL EXISTING TREES, VEGETATION, PAVEMENTS, BUILDINGS, CONCRETE FOUNDATIONS, STRUCTURES AND ORGANIC TOPSOIL SHALL BE STRIPPED AND REMOVED FROM NEW CONSTRUCTION AREAS UNLESS NOTED OTHERWISE.

GENERAL NOTES

- 1. THE PURPOSE OF THIS PLAN IS TO DEPICT THE DEVELOPMENT OF 84 SINGLE-FAMILY DETACHED HOMES
- 2. ALL DIMENSIONS SHOWN ON THIS PLAN SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION ACTIVITIES.
- 3. ALL SITE DIMENSIONS ARE REFERENCED TO THE FACE OF CURB OR EDGE OF PAYING UNLESS OTHERWISE NOTED. ALL BUILDING DIMENSIONS ARE REFERENCED TO THE OUTSIDE FACE OF STRUCTURES. ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.
- 4. BUILDING DIMENSIONS SHOWN ON THIS PLAN ARE FOR LAND DEVELOPMENT APPROVAL PURPOSES ONLY. REFERENCE BUILDING ARCHITECTURAL DRAWINGS APPROVED AS PART OF THE BUILDING PERMIT PROCESS FOR EXACT BUILDING DIMENSIONS.
- MINIMUM CURB LINE RADII SHALL BE 20 FEET UNLESS OTHERWISE NOTED.
- 6. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS SET FOR OTHER PERTINENT INFORMATION.
- THE SIDEWALK SYSTEMS AS SHOWN ON THIS PLAN ARE CONCEPTUAL AND ARE FOR LAND DEVELOPMENT PLANNING PURPOSES ONLY. FINAL DESIGN WILL BE COORDINATED AS PART OF THE FINAL BUILDING PERMIT
 PROCESS.
- 8. ALL PROPOSED SIGNAGE SHALL CONFORM TO MANCHESTER TOWNSHIP AND PENNDOT REQUIREMENTS.

- 11. ALL AREAS NOT PAYED SHALL BE TOPSOILED, SEEDED, MULCHED OR LANDSCAPED UNLESS OTHERWISE NOTED ON THE CONSTRUCTION DRAWINGS, SITE SPECIFICATIONS OR INSTRUCTED BY THE DEVELOPER.
- 12. FOR ANY ITEMS NOT COVERED BY DETAILS OR SPECIFICATIONS, THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR THE DEVELOPER'S AND ENGINEER'S REVIEW PRIOR TO CONSTRUCTION
- 13. ALL PUBLIC IMPROVEMENT CONSTRUCTION SHOULD CONFORM TO THE MANCHESTER TOWNSHIP CONSTRUCTION AND MATERIALS SPECIFICATIONS UNLESS SPECIFIC WAIVERS HAVE BEEN GRANTED.
- 14. ALL EXISTING LAWN AREAS DISTURBED BY PROPOSED CONSTRUCTION SHALL BE RESTORED TO PROVIDE A MINIMUM SIX INCHES (6") TOPSOIL, GRADED TO SMOOTH, TRUE LINES AND SEEDED AND MULCHED PER SPECIFICATION HEREIN.
- 15. ANY LAND AREA THAT CANNOT BE ADEQUATELY STABILIZED WITH SEEDING AND MULCHING SHALL BE STABILIZED WITH AN EROSION CONTROL OR TURF REINFORCEMENT MATTING.
- 16. FIELD ADJUSTMENTS SHALL BE MADE AS NECESSARY TO PROVIDE A SMOOTH TRANSITION BOTH HORIZONTALLY AND VERTICALLY FROM THE EXISTING TO PROPOSED PAVING SECTIONS.
- 17. WHERE IT IS NECESSARY TO CONNECT TO OR EXTEND AN EXISTING ROAD, SAW OUT THE EXISTING EDGE OF PAVENENT AND MILL AND OVERLAY AT THE POINT OF TIE-IN TO ENSURE A SMOOTH TRANSITION AND POSITIVE DRAWAGE
- 18. FAILURE TO SPECIFICALLY MENTION ANY WORK WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM SUCH WORK.

TOWNSHIP SPECIFIC NOTES

- 1. THE OWNERS, HEIRS, ASSIGNS OR SUCCESSORS IN THE TITLE AGREE THAT THEY SHALL INSTALL AT THE OWNERS' EXPENSE CONCRETE CURBING, CONCRETE SIDEWALK, OR BOTH CONCRETE CURBING AND CONCRETE SIDEWALK; AND ANY NECESSARY ROAD WIDENING TO ACCOMPANY THE CURBING TO TOWNSHIP AND/OR STATE SPECIFICATIONS WITHIN SIX MONTHS FROM THE RECEIPT OF CERTIFIED NOTIFICATION FROM THE
- 2. SIDEWALK ON RESIDENTIAL LOTS SHALL BE CONSTRUCTED AT THE TIME OF HOME CONSTRUCTION, SIDEWALKS ON OPEN SPACE LOTS SHALL BE CONSTRUCTED AT THE TIME OF THE PUBLIC IMPROVEMENT
- THE OWNER SHALL NOT CONSTRUCT, PLANT, OR MAINTAIN ANY STRUCTURES, FENCES, TREES, SHRUBBERY, ETC., WITHIN THE SANITARY SEVER, STORMWATER, OR UTILITY RIGHT(S)-OF-WAY/EASEMENTS IN ORDER TO
 ENSURE A FREE AND CLEAR ACCESS TO ALL FACILITIES. BITUMINOUS PAYING, COMMINCLING OF SANITARY SEVER, STORMWATER OR UTILITIES, OR A CHANGE IN CROUND CONTOURS WITHIN THE
 RIGHT(S)-OF-WAY/EASEMENTS WILL BE PERMITTED ONLY WITH WRITTEN CONSENT OF THE TOWNSHIP.
- 4. THE OWNER HEREBY GRANTS MANCHESTER TOWNSHIP OR ITS REPRESENTATIVE A GENERAL ACCESS EASEMENT ACROSS THE ENTIRE LOT FOR ACCESS TO THE PUBLIC SEWER AND SAM
- 5. ANY NONCONFORMING BUILDING OR STRUCTURE THAT IS DESTROYED OR DAMAGED BY REASON OF WINDSTORM, FIRE, FLOOD, EXPLOSION OR OTHER ACT OF GOD OR PUBLIC ENEMY TO AN EXTENT OF MORE THAN 50% OF ITS FAIR MARKET VALUE AT THE TIME OF THE CASUALTY SHALL NOT BE REBUILT, RESTORED, OR REPAIRED EXCEPT IN CONFORMANCE OF THE PROVISIONS OF THE MANCHESTER TOWNSHIP ZONING ORDINANCE.
- 6. ALL PUBLIC IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE MANCHESTER TOWNSHIP CONSTRUCTION AND MATERIAL SPECIFICATIONS UNLESS SPECIFIC WAIVERS HAVE BEEN GRANTED.
- 7. ALL WORK SHALL CONFORM TO THE MANCHESTER TOWNSHIP MUNICIPAL AUTHORITY'S PLAN, DESIGN, AND CONSTRUCTION STANDARDS.
- 8. ALL EXTERIOR LIGHTING SHALL BE SO ARRANGED AND/OR SHIELDED SO AS NOT TO CAST OBJECTIONABLE ILLUMINATION OR GLARE UPON ADJOINING PROPERTIES.
- 9. ALL SIGNAGE SHALL COMPLY WITH THE MANCHESTER TOWNSHIP ZONING ORDINANCE.
- 10. THE STREET ADDRESS NUMBER SHALL BE MOUNTED TO THE BUILDING WITH A MINIMUM OF TWO INCH BY THREE INCH NUMBERS THAT ARE VISIBLE FROM THE STREET,
- 11. THE STORMWATER MANAGEMENT FACILITY AND SYSTEM IS TO BE A PERMANENT FIXTURE THAT CANNOT BE ALTERED OR REMOVED UNLESS A REVISED PLAN IS APPROVED BY MANCHESTER TOWNSHIP.
- 12. LANDOWNER IS RESPONSIBLE FOR PAVEMENT AND CURBING RESTORATION IF PAVING AND CURBING IS CONSTRUCTED OVER OR THROUGH THE SANITARY SEWER EASEMENT. FIGHT OF WAY.
- 13. PERMANENT MONUMENTS AND MARKERS (STEEL PINS) TO BE SET AT ALL PROPERTY CORNERS IN ACCORDANCE WITH §22-717 OF THE MANCHESTER TOWNSHIP SUBDIVISION AND LAND DEVELOPMENT ORDINANCE.
- 14. LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE BASED UPON SURFACE EVIDENCE AND EXISTING DRAWINGS AND ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE BY LANDWORKS CIVIL DESIGN, LLC. CONTRACTOR(S) SHOULD CONTACT THE PA ONE CALL SYSTEM (1-803-242-1776) PRIOR TO JULY EXCAVATIONS AS REQUIRED BY PA ACT 38 (1991). PA ONE CALL HAS BEEN NOTIFIED 03/01/2023-SERIAL NUMBER #202305993299-000.
- 15. STREETS CONSTRUCTED WITH STORMWATER MANAGEMENT DIVERSION BERMS WILL NOT BE CONSIDERED FOR ADOPTION UNTIL SUCH BERMS ARE REMOVED.
- 16. NO DRIVEWAY SHALL BE CONSTRUCTED WITHIN 50 FEET OF THE INTERSECTING RIGHT OF WAY OF ANY INTERSECTING STREETS.
- 17. THE USE OF GRINDER PUMPS OR PRESSURE SEWERS SHALL NOT BE PERMITTED, UNLESS IN CONFORMANCE WITH THE MANCHESTER TOWNSHIP CODE OF ORDINANCES CHAPTER 18, PART1E.
- 18. THE REAR YARD BUILDING SETBACK SHALL BE THE YARD OPPOSITE THE STREET ADDRESS.
- 19. NO BUILDING CONSTRUCTION MAY OCCUR WITHOUT PERMITS FIRST BEING ISSUED IN ACCORDANCE WITH THE ORDINANCES OF MANCHESTER TOWNSHIP.
- 20. NO BLASTING IS PERMITTED WITHOUT A STATE PERMIT AND ADVANCE NOTIFICATION TO THE MANCHESTER TOWNSHIP FIRE CHIEF
- 21. THE MANCHESTER TOWNSHIP FIRE CHIEF SHALL APPROVE THE LOCATION OF ALL FIRE HYDRANTS.
- 22. "AS-BUILT" SANITARY SEWER DRAWINGS MUST BE SUBMITTED AND APPROVED BY THE MANCHESTER TOWNSHIP MUNICIPAL AUTHORITY'S ENGINEER PRIOR TO THE CONNECTION OF ANY BUILDING TO THE SANITARY SEWER DRAWINGS MUST BE SUBMITTED AT LEAST 30 DAYS PRIOR TO ANY PROPOSED CONNECTION TO THE SANITARY SEWER SYSTEM.
- 23. DEVELOPER OFFERS FOR DEDICATION TO THE MANCHESTER TOWNSHIP MUNICIPAL AITHORITY ALL SANITARY SEWER COLLECTION AND/OR INTERCEPTOR LINES AND APPURTENANCES CONSTRUCTED BY THE DEVELOPER AND A TWENTY-FOOT WIDE PERPETUAL EASEMENT CONSISTING OF 10 FEET ON EITHER SIDE OF THE CENTERLINE FOR MAINTENANCE, REPAIR, REPLACEMENT OR ENLARGEMENT THEREOF TOGETHER WITH THE RIGHT OF INGRESS, EGRESS, AND REGRESS THEREOF.
- 24. THE HOMEOWNERS ASSOCIATION SHALL OWN AND MAINTAIN ALL OPEN SPACE LOTS.
- 25. THE HOMEOWNERS ASSOCIATION SHALL OWN AND MAINTAIN ALL OFF-STREET STORMWATER MANAGEMENT FACILITIES, APPURTENANCES, AND PIPING.
- 26. ALL AREAS SHOWN WITHIN THE PROPOSED STREET RIGHTS-OF-WAY ARE HEREBY OFFERED FOR DEDICATION TO MANCHESTER TOWNSHIP.
- 27. RESIDENTIAL DRIVEWAYS MUST BE SETBACK A MINIMUM OF THREE FEET FROM THE ALL SIDE AND REAR PROPERTY LINES, THE MAXIMUM WIDTH OF RESIDENTIAL DRIVEWAYS AT THE RIGHT-OF-WAY LINES SHALL CONFORM TO THE MAXONESTER TOWNSHIP ZONING ORDINANCE.
- 28. A WETLAND DELINATION WAS PERFORMED BY ROBMER ECOLOGICAL SERVICES IN JUNE, 2018, NO WETLANDS ARE PRESENT ON THE PROPERTY.
- 29. THERE ARE NO ONE-HUNDRED-YEAR FLOODPLAINS LOCATED ON THE SUBJECT PROPERTY.

GRADING, DRAINAGE, & UTILITY NOTES

- ALL SPOT ELEVATIONS ARE REFERENCED TO THE FINISHED PAVEMENT OR GROUND SURFACE UNLESS OTHERWISE INDICATED.
- ALL FRAL SITE GRADING SHALL BE SMOOTH AND EVEN AND WITHOUT ABRUPT BREAKS OR CHANGES IN GRADE. FINISHED EARTHEN SLOPES SHALL BE ROUNDED TO PROVIDE A UNIFOR AND AESTHETIC LANDSCAPE, GRADING SHALL TIE INTO EXISTING GRADES NO CLOSER THAN 3 FEET FROM ANY PROPERTY LINE UNLESS OTHERWISE AUTHORIZED.
- 3. NO WORK SHALL OCCUR OUTSIDE OF THE PROPERTY OR RIGHT-OF-WAY LINES UNLESS COVERED BY GRADING FOR CONSTRUCTION BASEMENTS.
- 4. BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD IN ACCORDANCE WITH ALL APPLICABLE REQUIATIONS OF ACT 281- PA ONE CALL NOTIFICATION OF UTILITIES. THE CONTRACTOR SHALL NOTIFY BA ONE CALL AT 1-80-242-1775. THE LOCATION OF ALL UTILITIES AND MODERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES.
- 5. ALL SLOPES SHALL BE 3.1 (HORIZONTAL VERTICAL) MAXIMUM IN FILL AREAS AND 2.1 MAXIMUM IN OUT AREAS UNLESS NOTED OTHERWISE.
- 6. REFERENCE IS MADE TO THE PROJECT'S GEOTECHNICAL REPORT PREPARED BY MULA GROUP, DATED 02/15/23 FOR INFORMATION RELATED TO SUBSURFACE CONDITIONS AND FOR
- THE HOMEOWNERS ASSOCIATION SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND OPERATION OF ALL STORMWATER MANAGEMENT FACILITIES (SWALES, PIPING, BASINS, ETC.) AN OTHER BEST MANAGEMENT PRACTICES (BMPS) CONSTRUCTED ON THE PROPERTY. MANCHESTER TO MINSHIP SHALL HAVE THE RIGHT, BUT NOT THE DUTY, TO INSPECT THE FACILITIES A ANY TIME, TO REQUIRE THE PRIVATE ENTITY A REASONABLE TIME PERIOD FOR ALL NECESSARY ACTION AND TO AUTHORIZE MAINTENANCE TO BE DONE AND LIEN ALL COSTS OF THE WOR AGAINST THE PROPERTY.
- 8. ALL INLETS ADJACENT TO CURB SHALL BE TYPE C INLETS WITH AN 8 INCH CURB REVEAL. ALL OTHER INLETS SHALL BE TYPE M INLETS UNLESS NOTED OTHERWISE.
- 9. ALL INLETS SHALL BE PROVIDED WITH STRUCTURAL STEEL BICYCLE SAFE GRATES UNLESS NOTED OTHERWISE.
- 10. ALL STORM INLETS OR MANHOLES OVER 4 FEET IN DEPTH SHALL BE PROVIDED WITH MANHOLE STEPS.
- 11. ALL ENDWALLS SHALL BE PRECAST CONCRETE TYPE DW ENDWALLS UNLESS NOTED OTHERWISE.
- 12. ALL STORM PIPING, UNLESS OTHERWISE NOTED, SHALL BE DUAL WALLED SMOOTH LINED POLYETHYLENE PIPE (SLPEP) AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEM (ADS) OF APPROVED EQUAL.
- THE ROOF WATER COLLECTION SYSTEM HAS BEEN DESIGNED FOR SITE STORM WATER DESIGN AND LAND DEVELOPMENT APPROVAL PURPOSES ONLY. COORDINATION WITH FINA BUILDING DESIGN IS REQUIRED TO CONFIRM ACTUAL DOWNSPOUT LOCATIONS, COLLECTION AREAS, REQUIRED DEPTHS AND CONNECTION AND CLEAN-OUT DETAILS.
- 14. ALL UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE UTILITY COMPANY, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL UTILITIES ARE INSTALLED CORRECTLY TO MEET PROJECT REQUIREMENTS.
- 15. CONTRACTOR SHALL INSTALL ALL UNDERGROUND UTILITIES BEFORE PAYING STREETS, DRIVEWAYS AND PARKING AREAS OR CONSTRUCTING SIDEWALKS.
- 16. THE EASEMENTS DEPICTED ON THIS PLAN ARE FOR THE BENEFIT OF MANCHESTER TOWNSHIP OR RESPECTIVE UTILITY PROVIDERS UNLESS OTHERWISE NOTED.
- 17. ANY DRAINAGE AND UTILITY EASEVENTS SHOWN ON THE PLAN SHALL BE CONSTRUCTED, OWNED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED PLAN AND SHALL BE REFERENCED WITHIN THE PROPERTY DEED.
- 18. RUNOFF FROM THE LOT IMPROVEMENTS SHALL BE DIRECTED TO THE STORM WATER MANAGEMENT FACILITIES.
- 19. PROPOSED UTILITY SERVICE CONNECTIONS ARE CONCEPTUAL AND FOR LAND DEVELOPMENT PLANNING DRLY. COORDINATION WITH UTILITY COMPANIES FOR FUTURE DESIGN WILL OCCUR. AS PART OF THE BUILDING PERMIT PHASE.
- ALL PIPE LENGTHS AND SLOPES SHOWN HEREON ARE COMPUTED FROM CENTER TO CENTER OF STRUCTURE UNLESS NOTED OTHERWISE. CONSTRUCT PIPE LENGTH BASED ON ACTUAL STRUCTURE DIMENSIONS.
- 21. ALL INLET BOXES SHALL BE STANDARD PRECAST CONCRETE BOXES PER PADOT RC STANDARDS UNLESS NOTED OTHERWISE.
- 22. ALL PIPES SHALL ENTER THE END OR SIDE OF BOXES, NO CORNER CONNECTIONS SHALL BE PERMITTED.
- 23. THE OWNER SHOULD NOT CONSTRUCT, PLANT, OR MAINTAIN ANY STRUCTURES, FENCES, TREES, SHRUBBERY, ETC. WITHIN THE SANITARY SEWER, STORMMATER, OR UTILITY RIGHT(S)-OF-WAY/EASEMENTS IN ORDER TO ENSURE A FREE AND CLEAR ACCESS TO ALL FACILITIES. BITUMINOUS PAYING, COMMINGLING OF SANITARY SEWER, STORMWATER OF UTILITIES, OR A CHANGE IN GROUND CONTOURS WITHIN THE RIGHT(S)-OF-WAY/EASEMENTS WILL BE PERMITTED ONLY WITH WRITTEN CONSENT OF THE TOWNSHIP.
- 24. THE OWNER HEREBY GRANTS MANCHESTER TOWNSHIP OR ITS REPRESENTATIVE A GENERAL ACCESS EASEMENT ACROSS THE ENTIRE LOT FOR ACCESS TO THE PUBLIC SEWER.
- 25. ALL WORK SHOULD CONFORM TO THE MANCHESTER TOWNSHIP MUNICIPAL AUTHORITY'S PLAN, DESIGN, AND CONSTRUCTION STANDARDS.
- 26. ALL EXTERIOR LIGHTING SHOULD BE SO ARRANGED AND/OR SHIELDED SO AS NOT TO CAST OBJECTIONABLE ILLUMINATION OR GLARE UPON ADJOINING PROPERTIES.
- 27. NO BLASTING IS PERMITTED WITHOUT A STATE PERMIT AND ADVANCE NOTIFICATION TO THE MANCHESTER TOWNSHIP FIRE CHIEF
- 28. ESTIMATED SEWAGE FLOW FROM THIS PROJECT IS APPROXIMATELY 29,400 GPD. A SEWAGE FACILITIES PLANNING MODULE EXEMPTION WILL BE SUBMITTED TO PADEP AS PART OF TH PLAN. THE PROPOSED FLOWS ARE TRIBUTARY TO THE YORK CITY WWTP,
- 29. ALL WORK SHALL BE IN CONFORMANCE WITH MANCHESTER TOWNSHIP'S CONSTRUCTION AND MATERIAL'S SPECIFICATIONS.
- 30. THE DEVELOPER SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT PLANS OF ALL STORMWATER MANAGEMENT EMPS INCLUDED IN THE APPROVED PLAN. THE AS-BUILT PLANS AND ASEXPLANATION OF ANY DISCREPANCIES WITH THE CONSTRUCTION PLANS SHALL BE SUBMITTED TO MANCHESTER TOWNSHIP WITHIN SIX MONTHS AFTER COMPLETION OF THE FACILITY.
- 31. THE TOWNSHIP SHALL BE PERMITTED TO ENTER AND INSPECT FACILITIES AS OFTEN AS MAY BE NECESSARY TO DETERMINE COMPLIANCE WITH DISCHARGE REGULATIONS. IF DISCHARGER HAS SECURITY MEASURES IN FORCE WHICH REQUIRE PROPER IDENTIFICATION AND CLEARANCE BEFORE ENTRY INTO ITS PREMISES, THE DISCHARGER SHALL MA NECESSARY ARRANGEMENTS TO ALLOW ACCESS TO REPRESENTATIVES OF THE TOWNSHIP.
- 32. THE STORMWATER MANAGEMENT (SWM) SITE PLANS APPROVED BY THE TOWNSHIP IN ACCORDANCE WITH ITS STORMWATER MANAGEMENT ORDENANCE, SHALL BE ON-SITE THROUGHOUT THE DURATION OF THE REGULATED ACTIVITY.



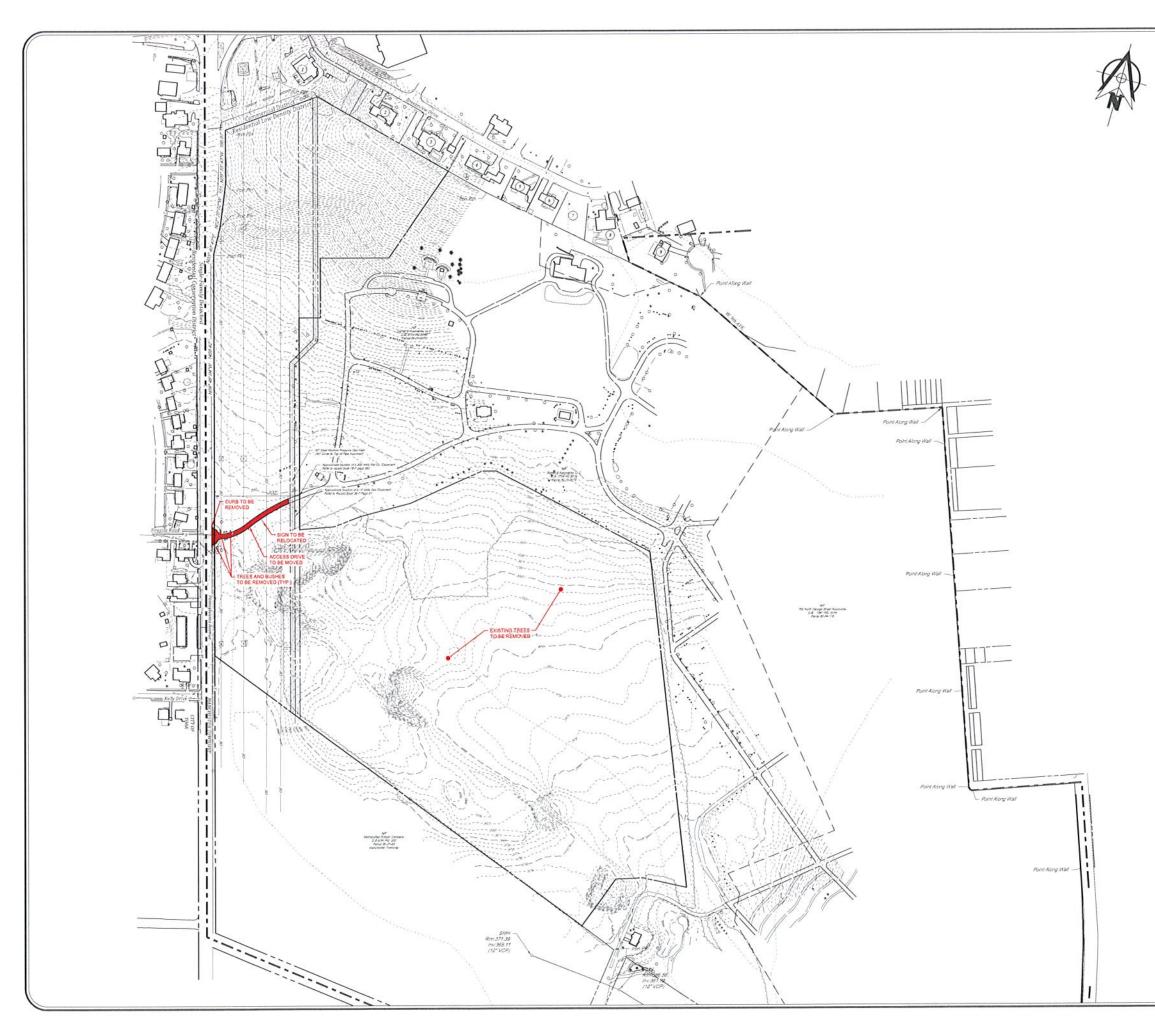
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PENN AVENUE RESIDENTIAL NOTES GENERAL

PROIECT NO 22-0108-008 DATE: 04/07/25 SCALE: N.T.S. SHEET

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TO BE REMOVED OR RELOCATED

LANDWORKS
CIVIL DESIGN, LLC
land development consultants





ADJACENT PROPERTY INFORMATION

ID	OWNER	TAX PARCEL#
1	TWOTON INC.	36-000-16-0018-00-00000
2	RICHARD E. MARTIN	36-000-16-0017-00-00000
3	JESSE TIMPLE & TARA WHITE	36-000-16-0016 00-00000
4	RONALD & CASSANDRA JOHNSON	36-300-15-0019-00-00000
5	DAVID & LAYLA BOYCE	36-000-16-0019-A00-00000
6	DAVID & LAYLA BOYCE	36-000-16-0017 A00-00000
7	JEFFERY & MARY GRACE KING	36-000-16-0016 A00-00000
8	JEFFERY & MARY GRACE KING	36-000-16-0015 00-00000
9	DAVID A. WUERTHNER	36-000-16-0011 D00-0000

GRAPHIC SCALE

PROJECT NO. 22-0108-008

DATE: 04/07/25

SCALE: 1° = 150' SHEET C-200

OVERALL EXISTING CONDITIONS
FOR
PENN AVENUE RESIDENTIAL







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PENN AVENUE RESIDENTIAL
FOR
PENN AVENUE PARTNERS

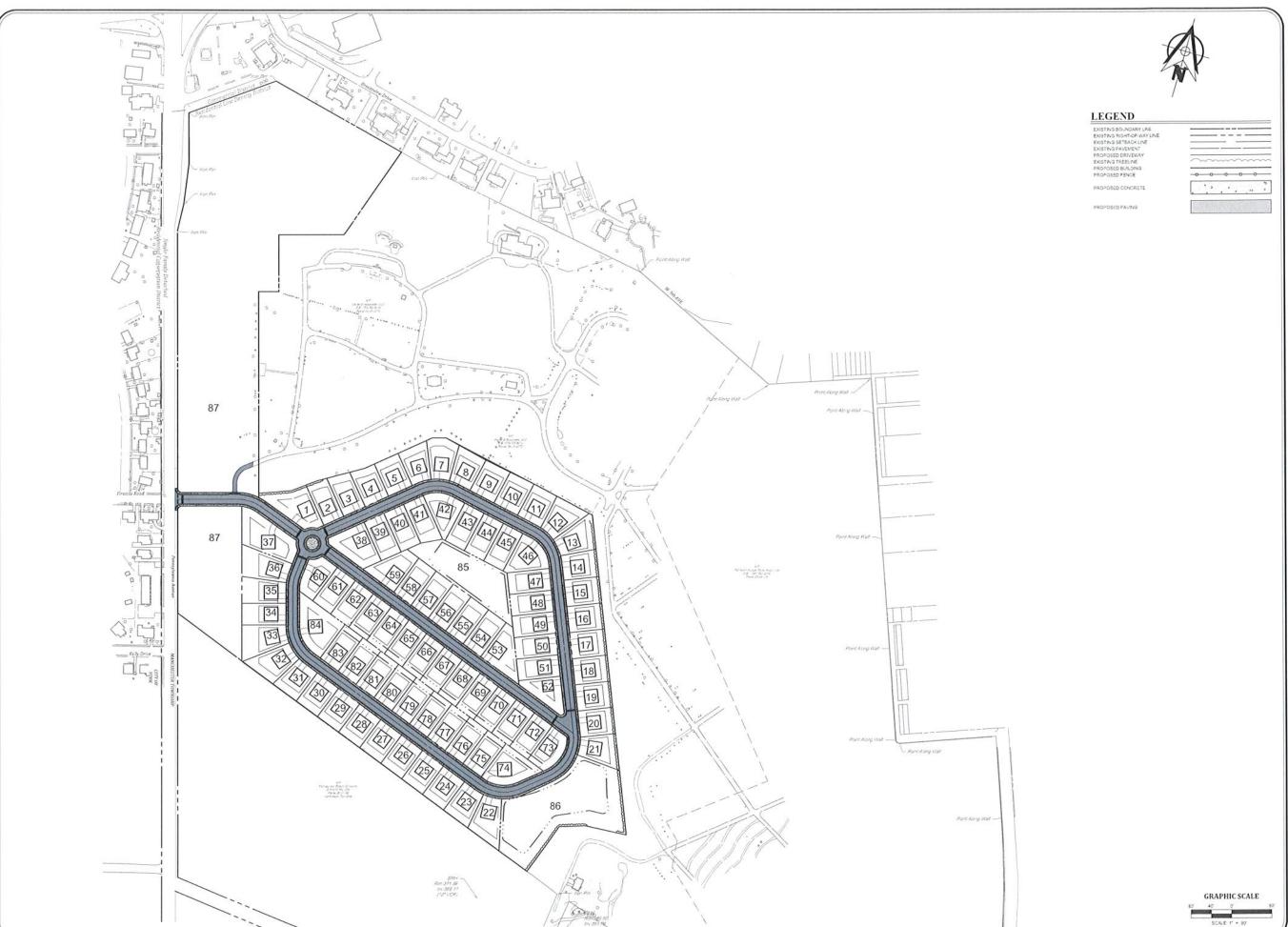
PROJECT NO.

22-0108-008

DATE: 04/07/25

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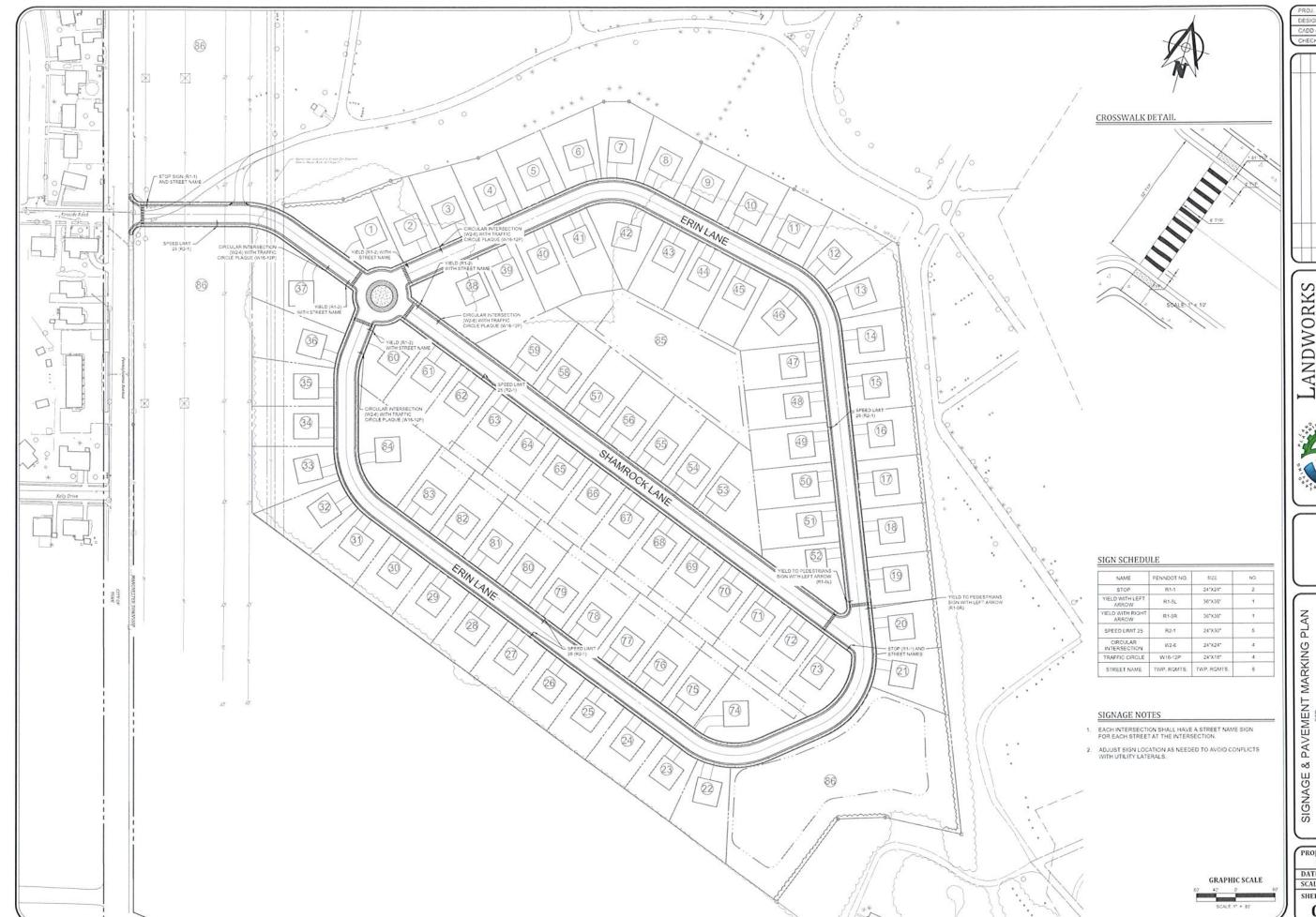
PROJECT NO. 22-0108-008

DATE: 04/07/25 SCALE: 1" = 150"

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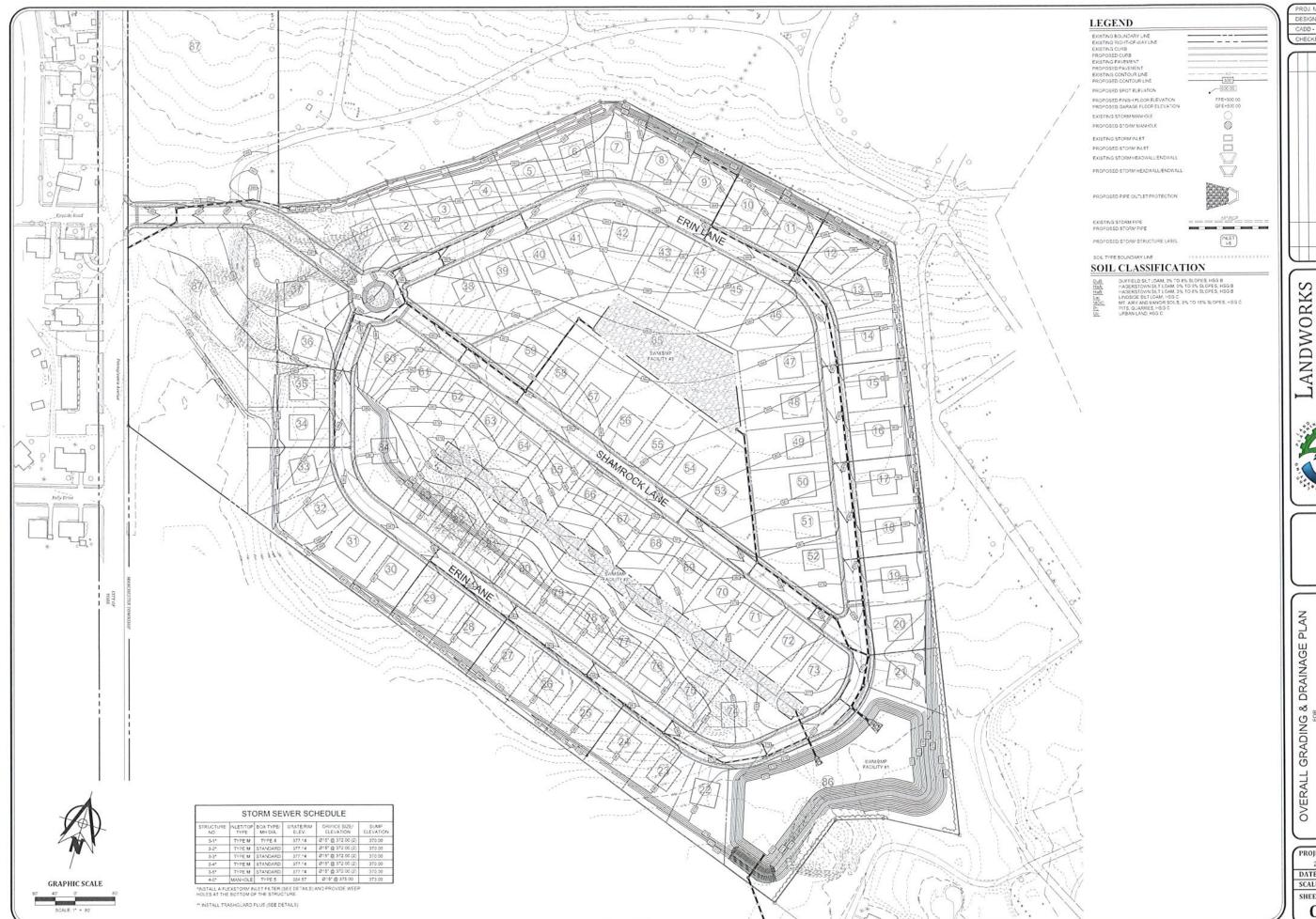
PROJECT NO. 22-0108-008

DATE: 04/07/25

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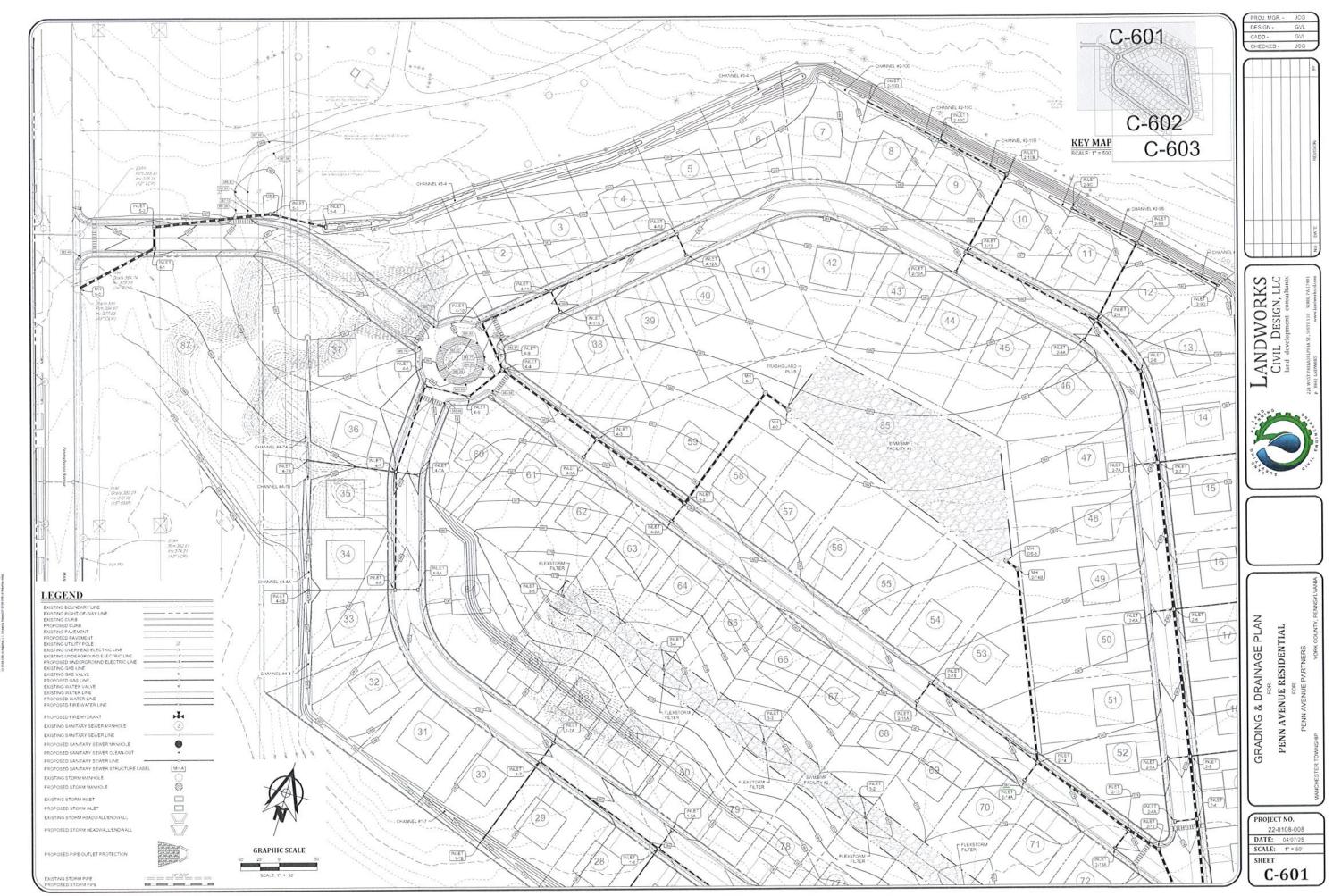


FOR PENN AVENUE RESIDENTIAL

PROJECT NO. 22-0108-008

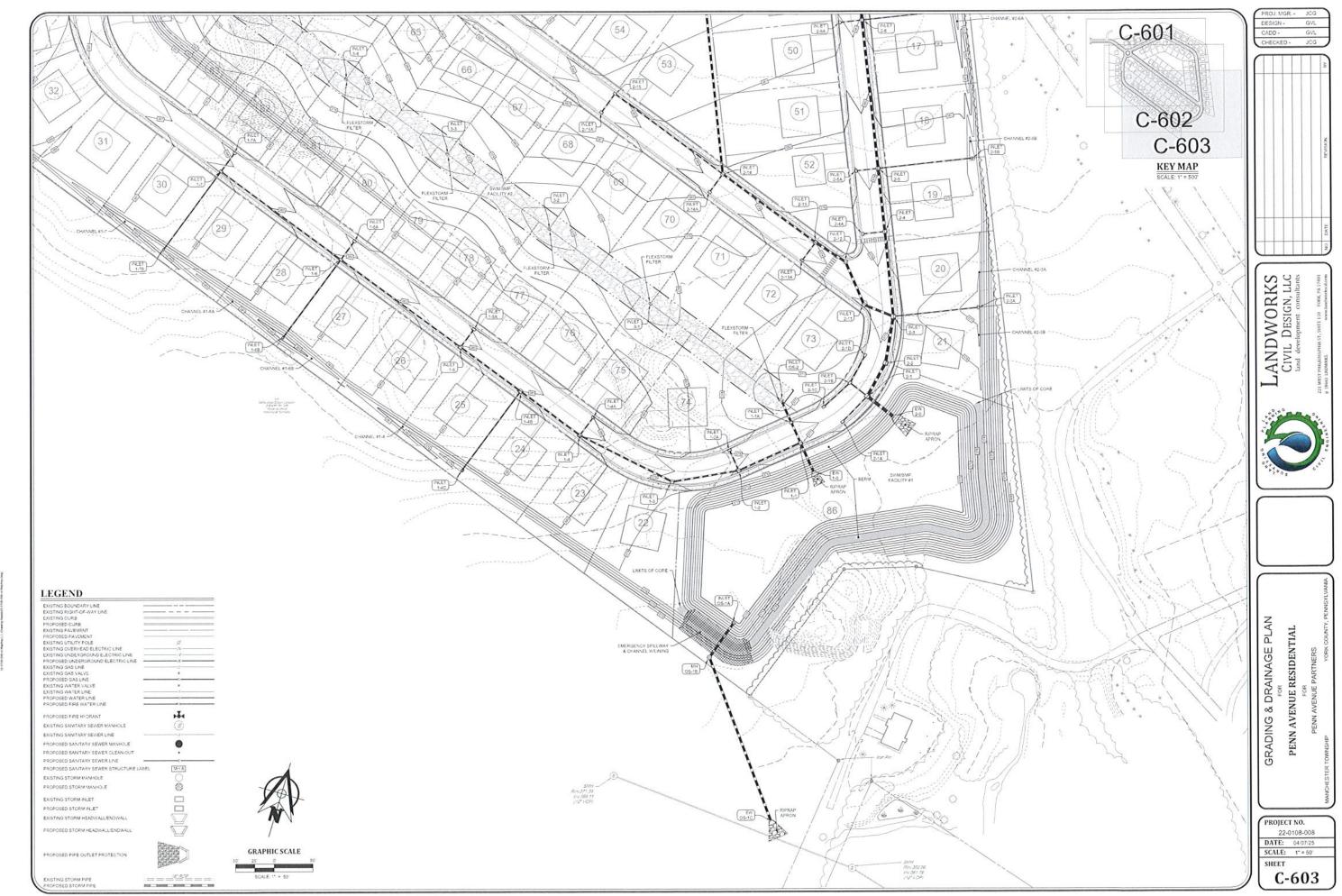
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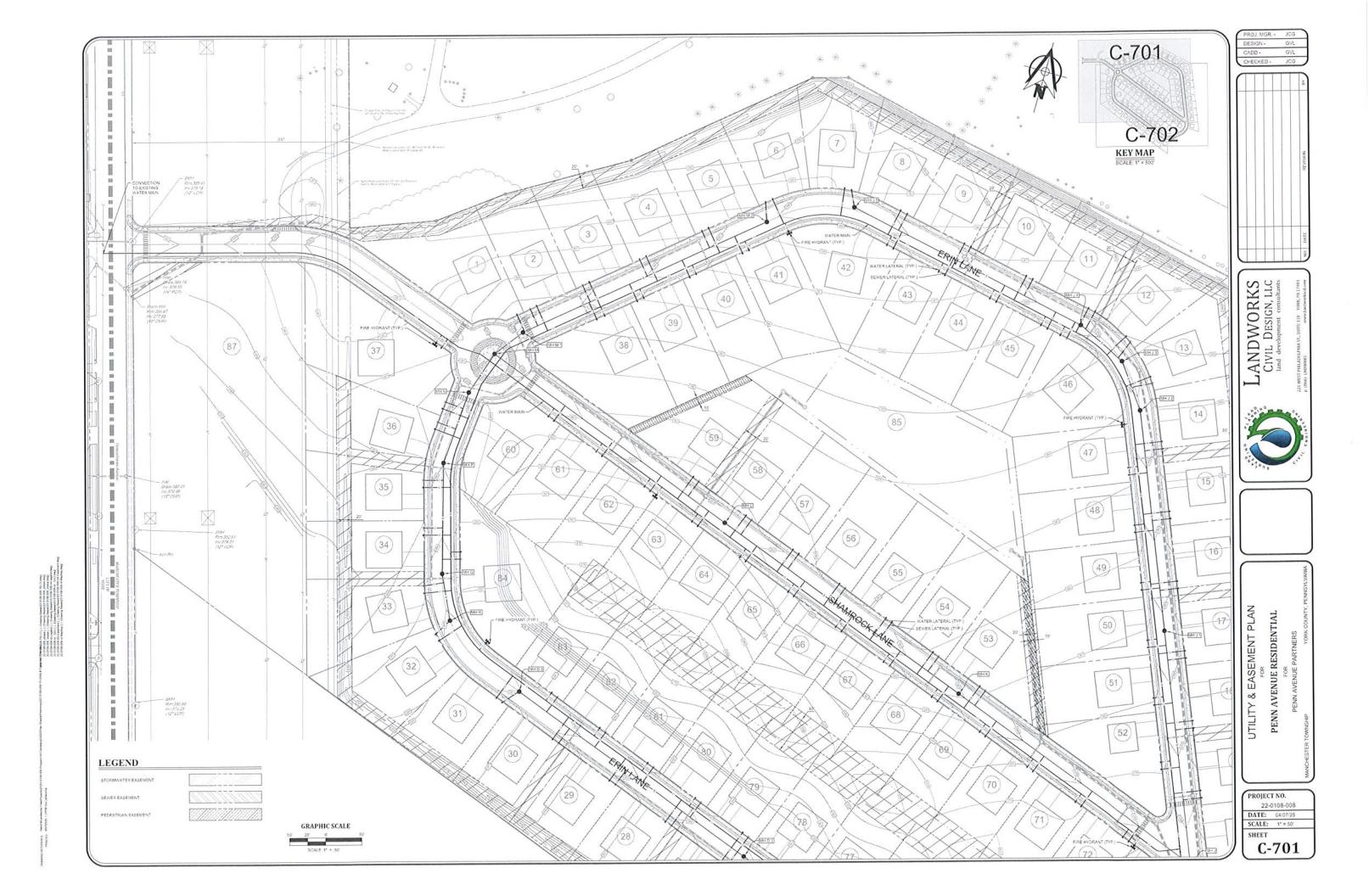
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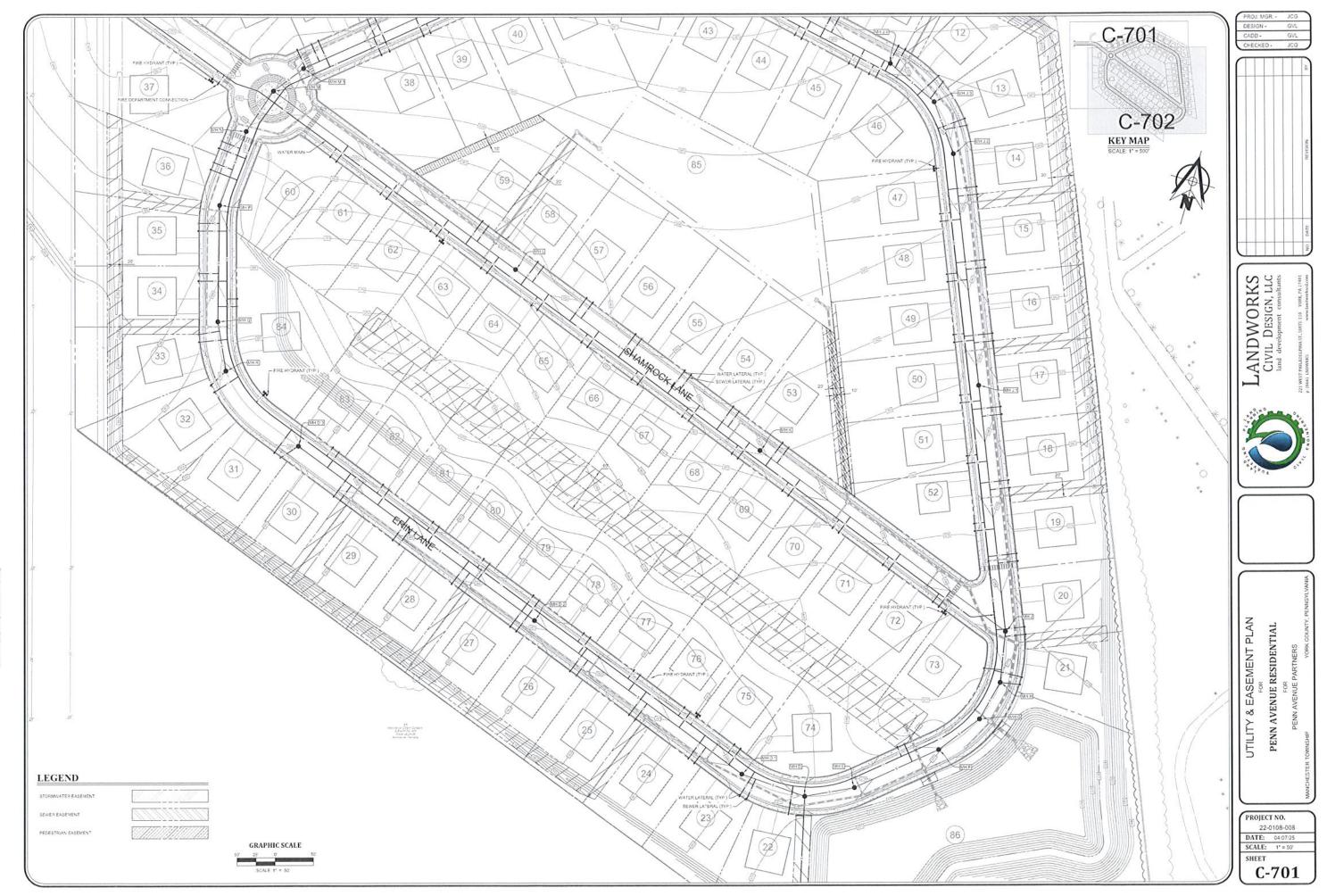
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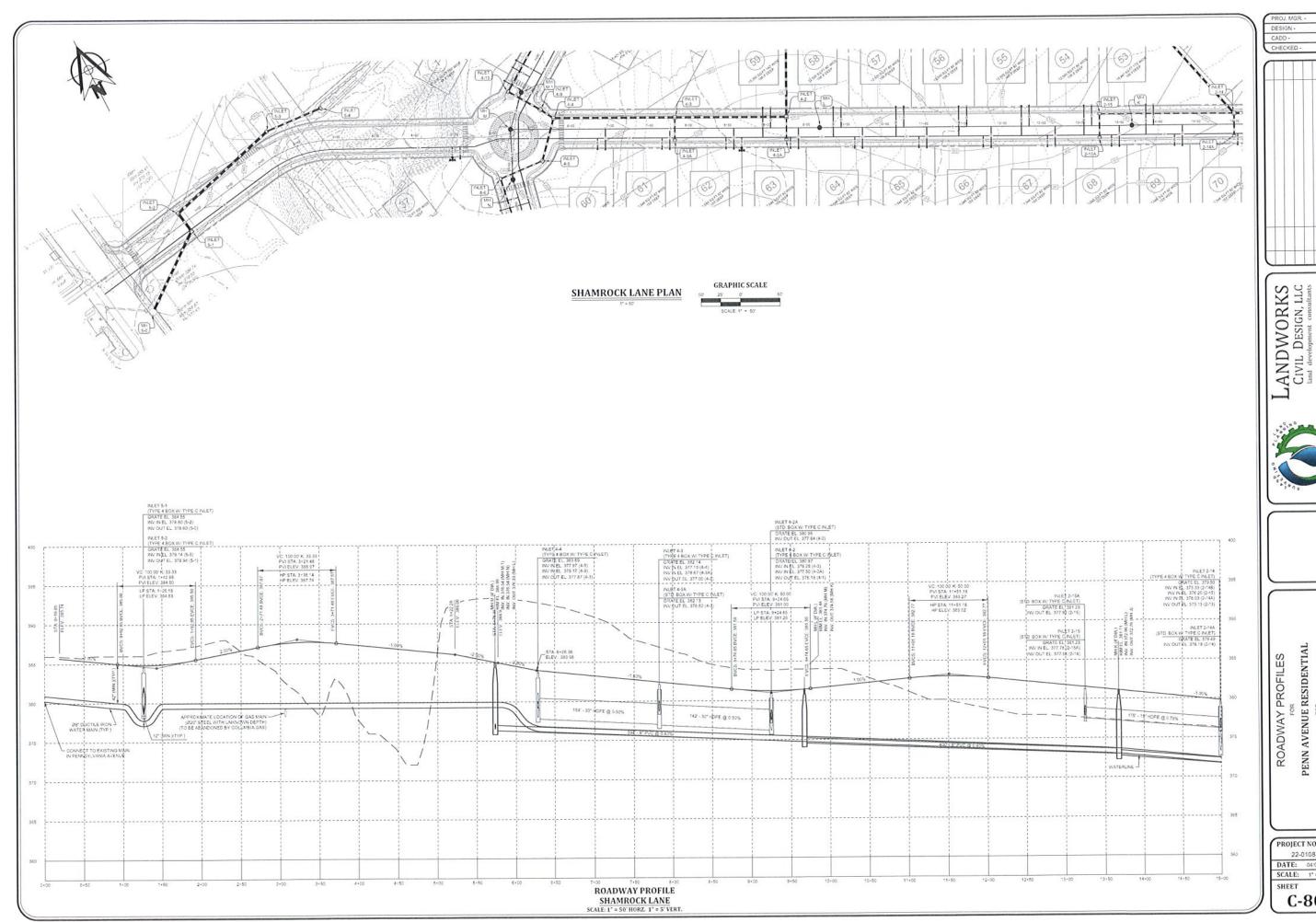


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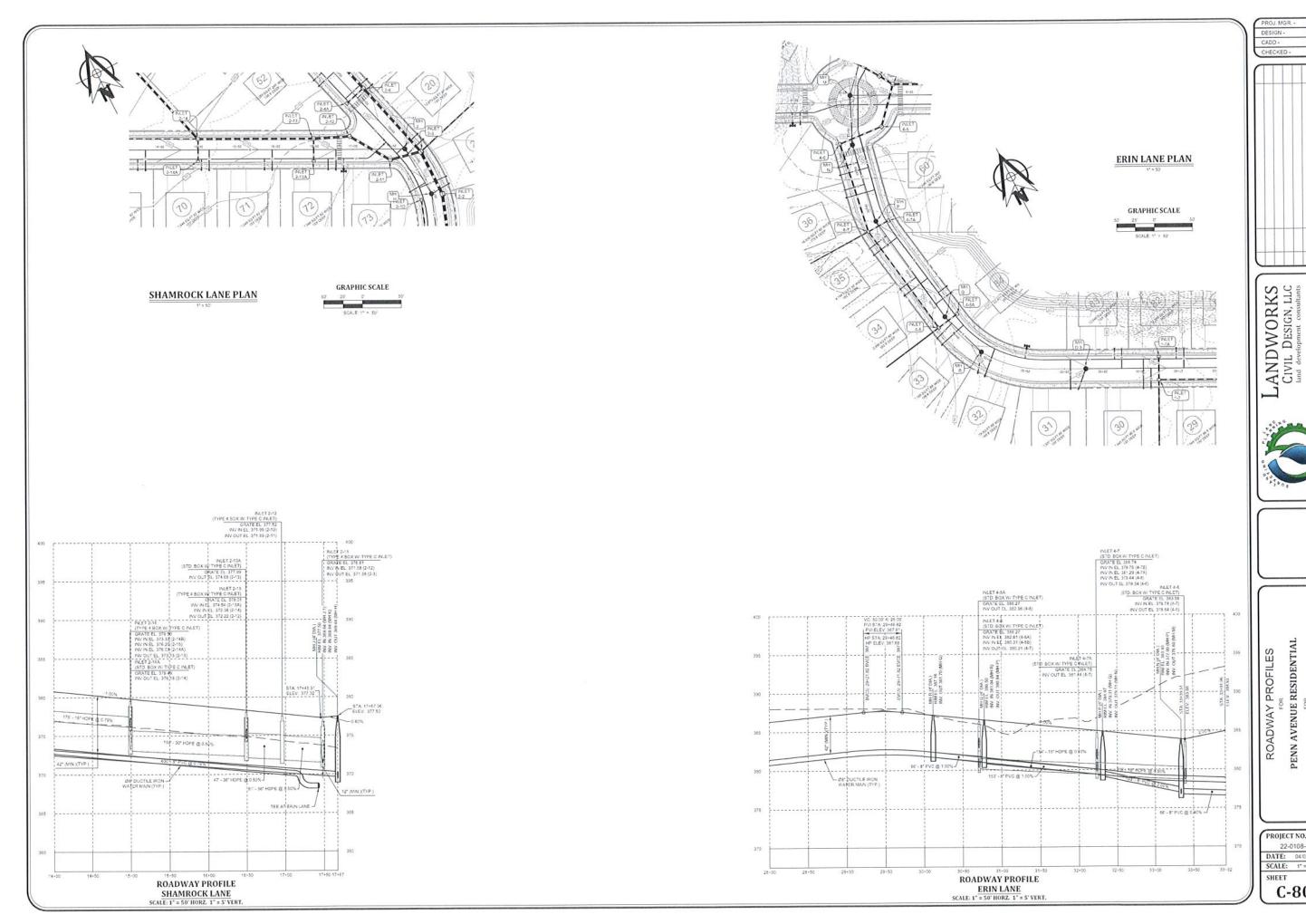


ROADWAY PROFILES
FOR
PENN AVENUE RESIDENTIAL

PROJECT NO.

22-0108-008 DATE: 04/07/25 SCALE: 1" = 50" SHEET

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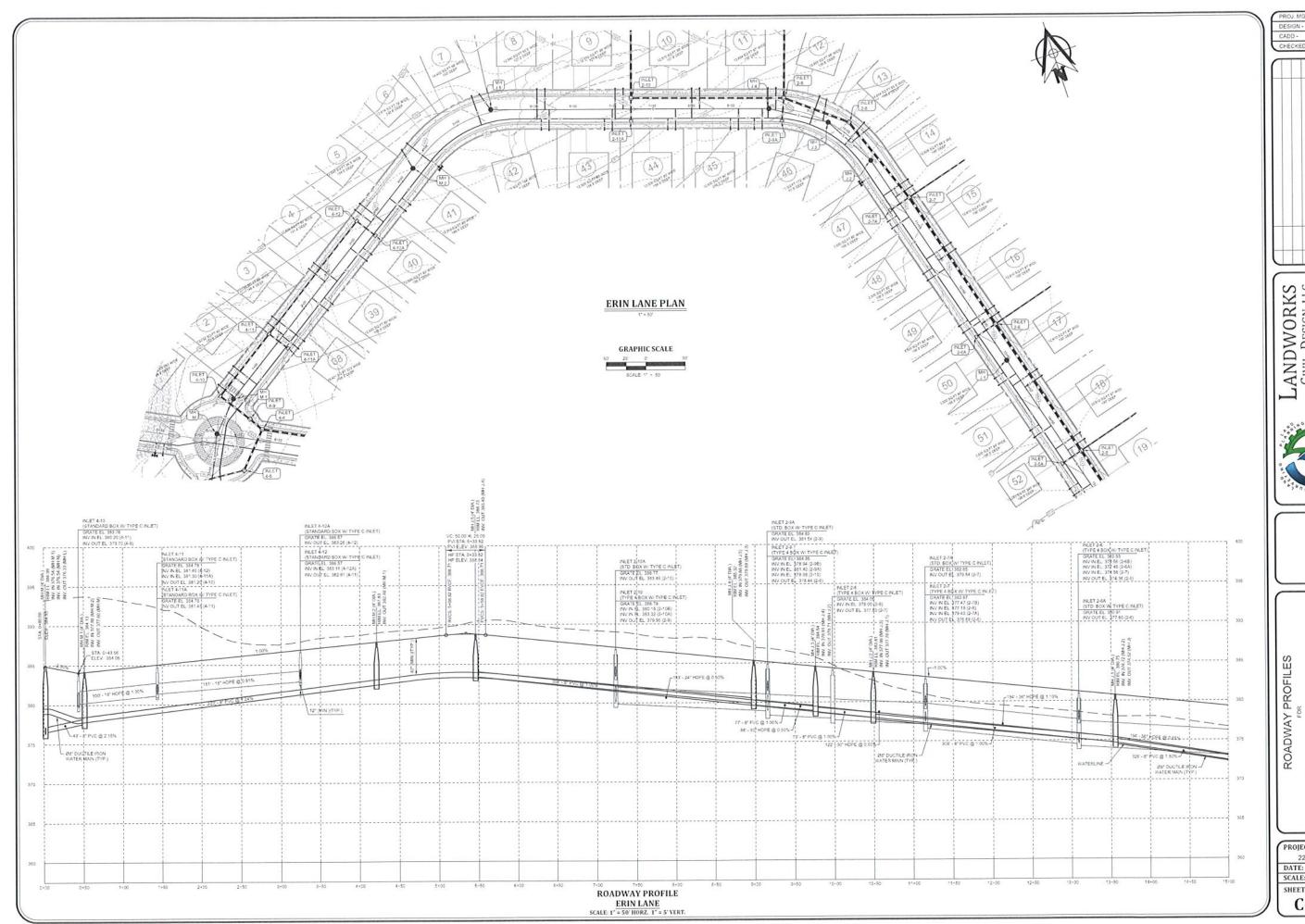
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PROJECT NO. 22-0108-008 DATE: 04/07/25

PENN AVENUE RESIDENTIAL

PROFILES

ROADWAY I

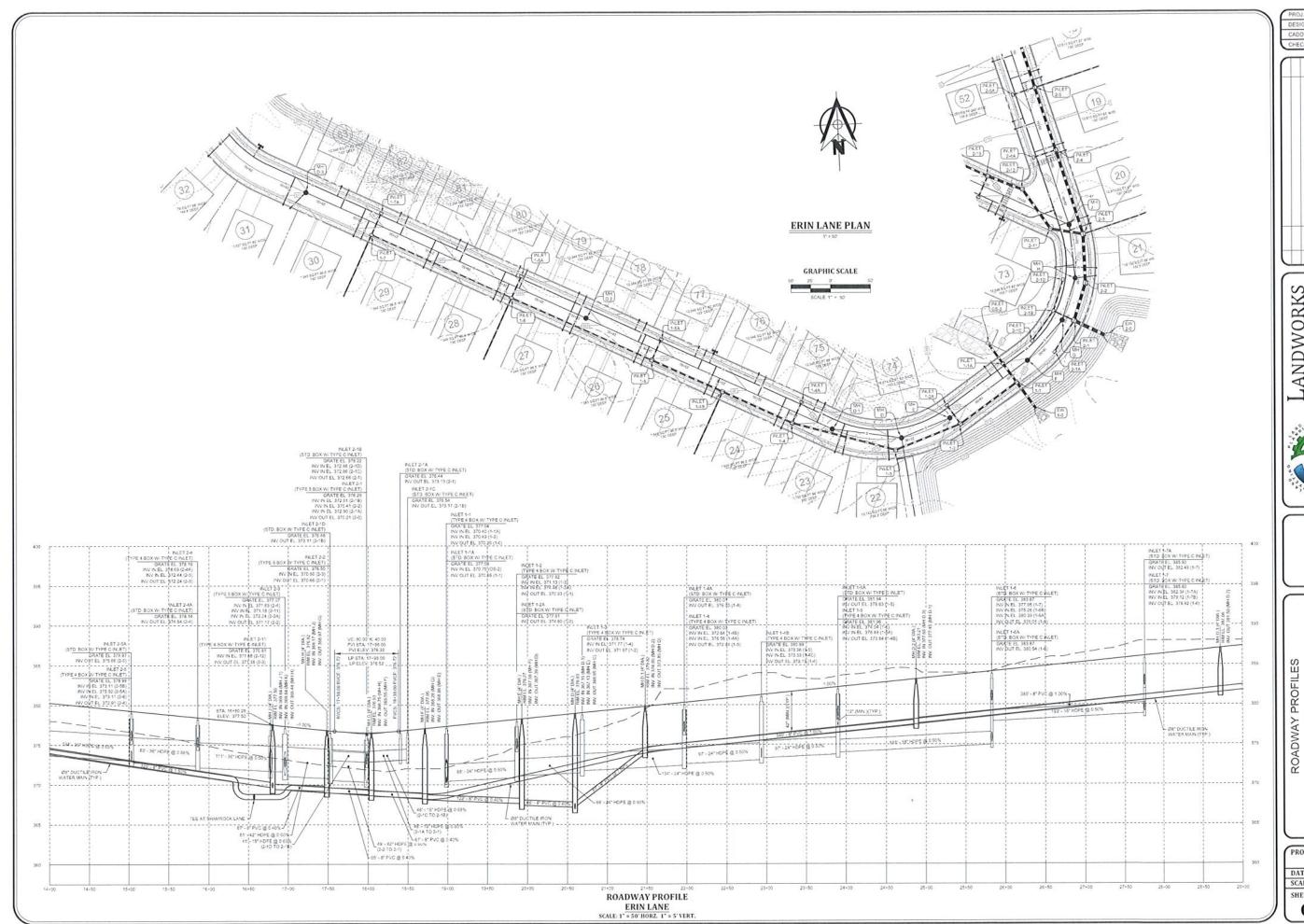


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PENN AVENUE RESIDENTIAL

PROJECT NO. 22-0108-008 DATE: 04/07/25 SCALE: 1* = 50°



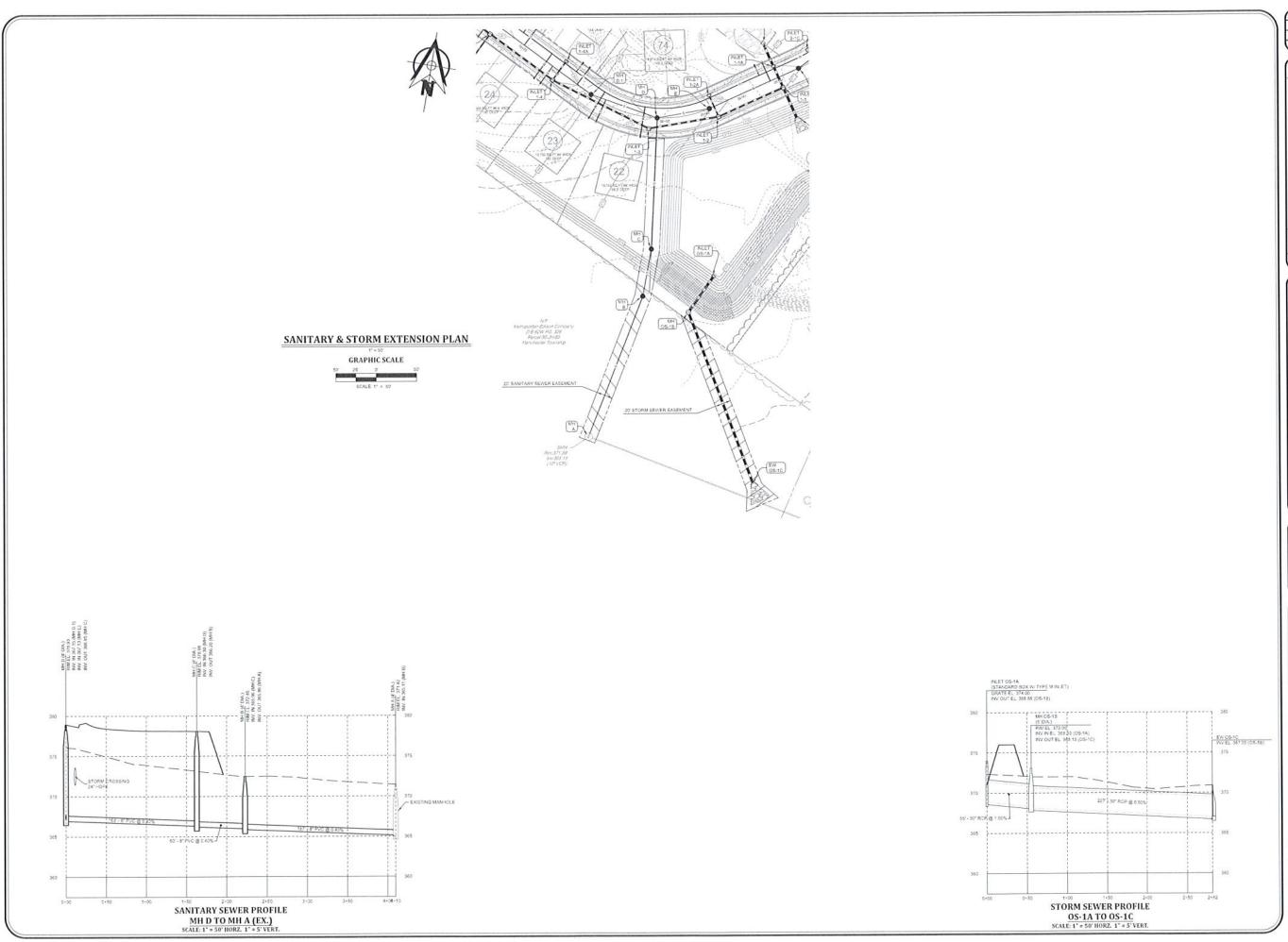
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PROJECT NO. 22-0108-008 DATE: 04/07/25 SCALE: 1* = 50*



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SANITARY & STORM EXTENSION PROFILES PENN AVENUE RESIDENTIAL

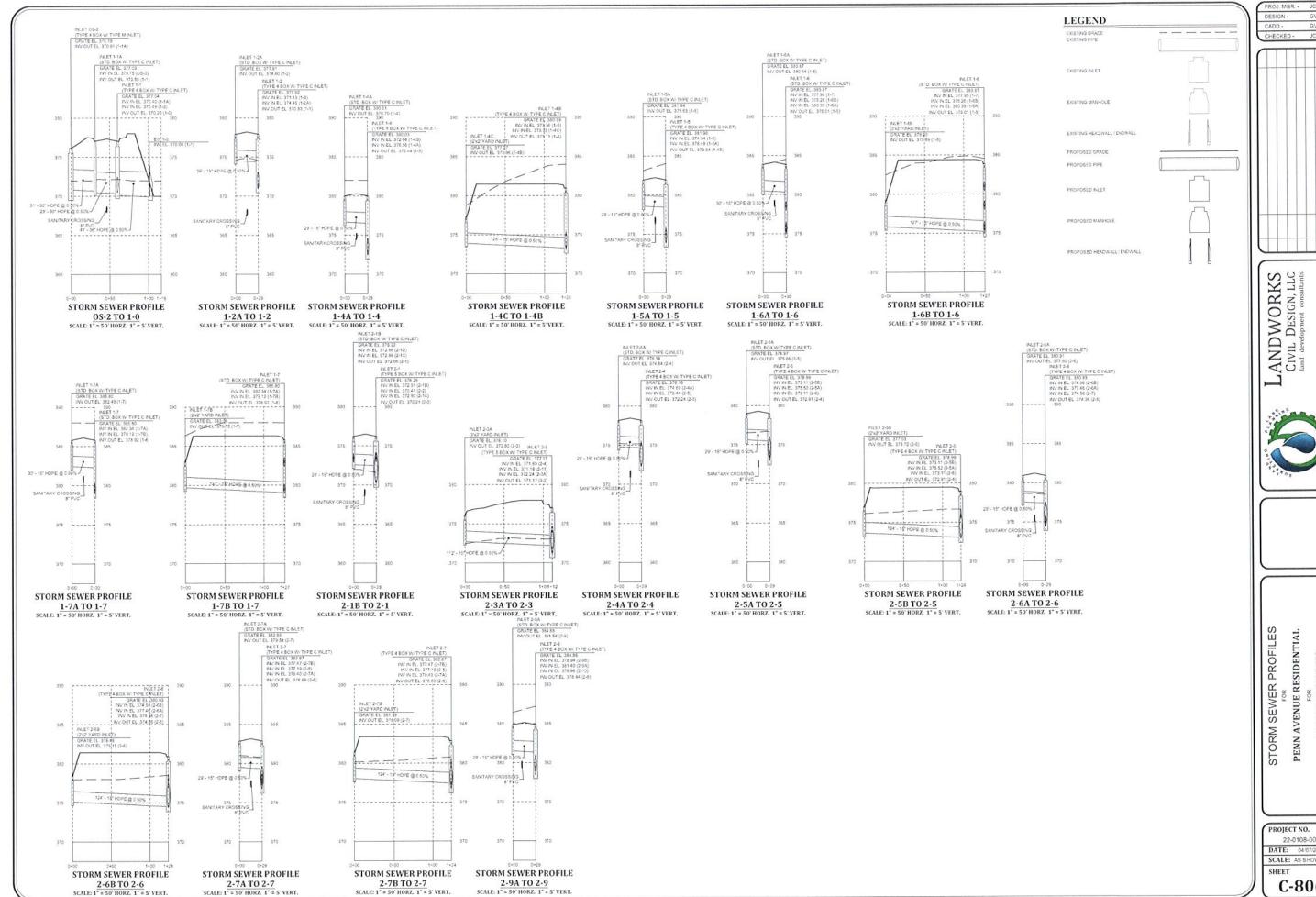
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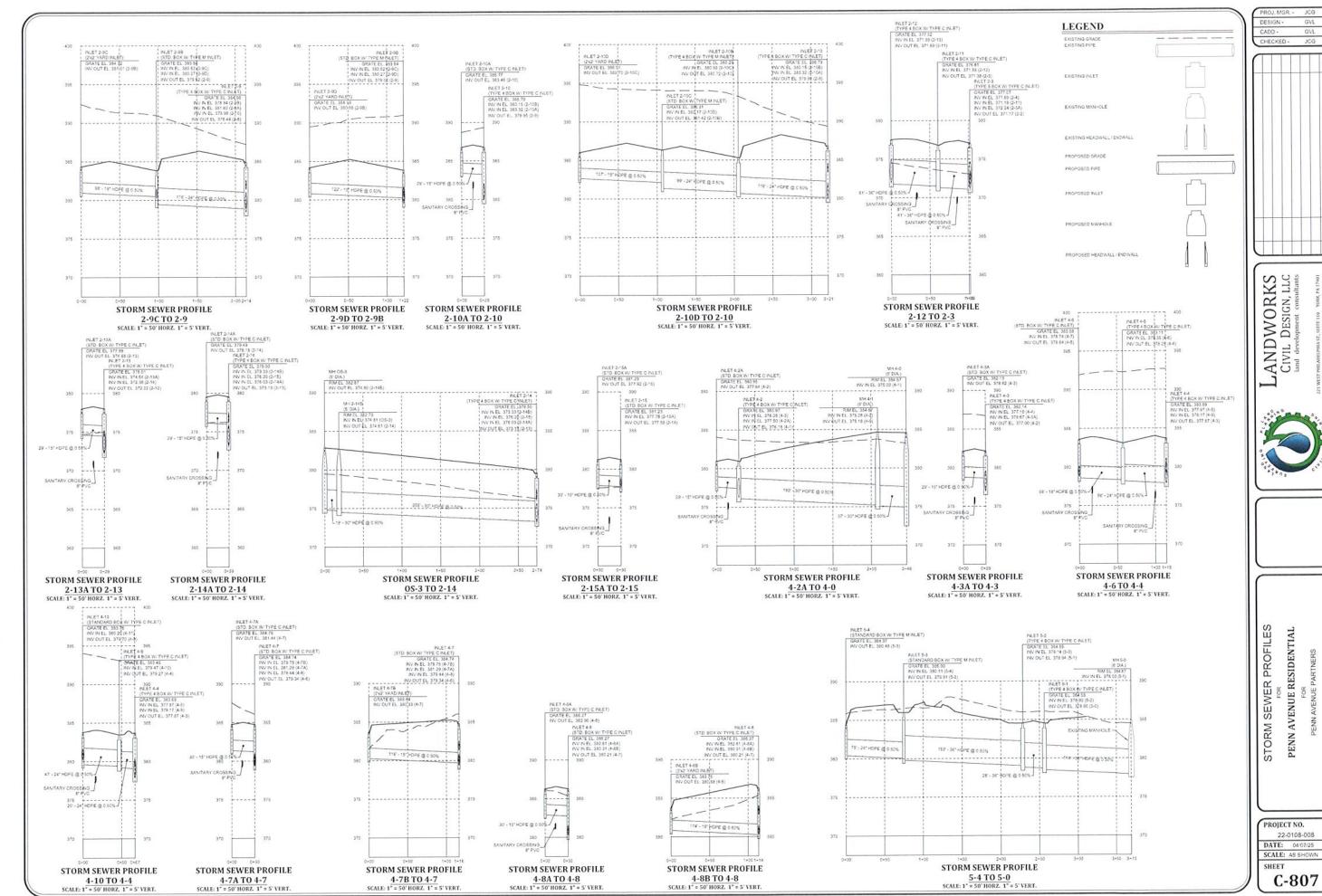
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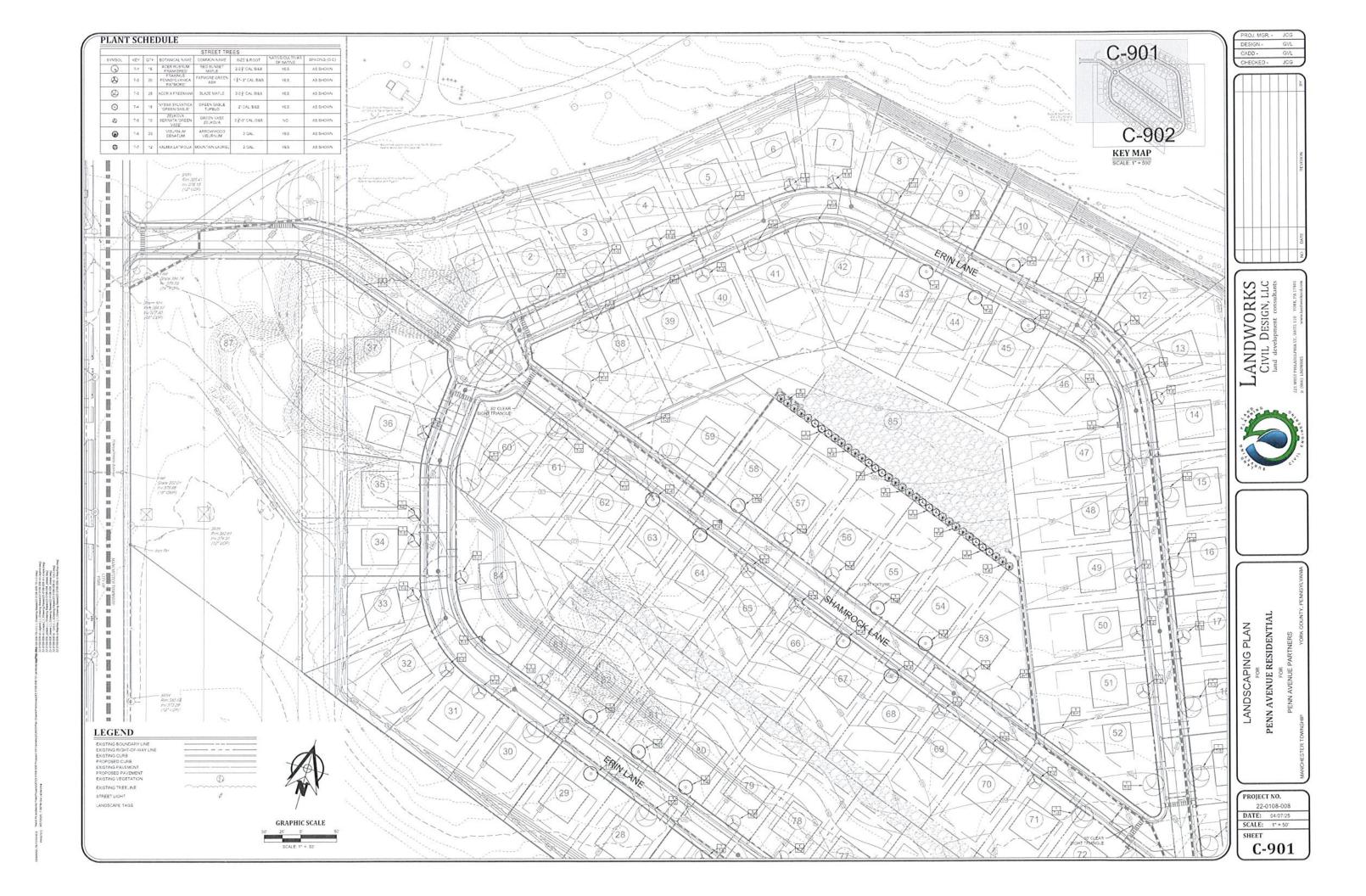
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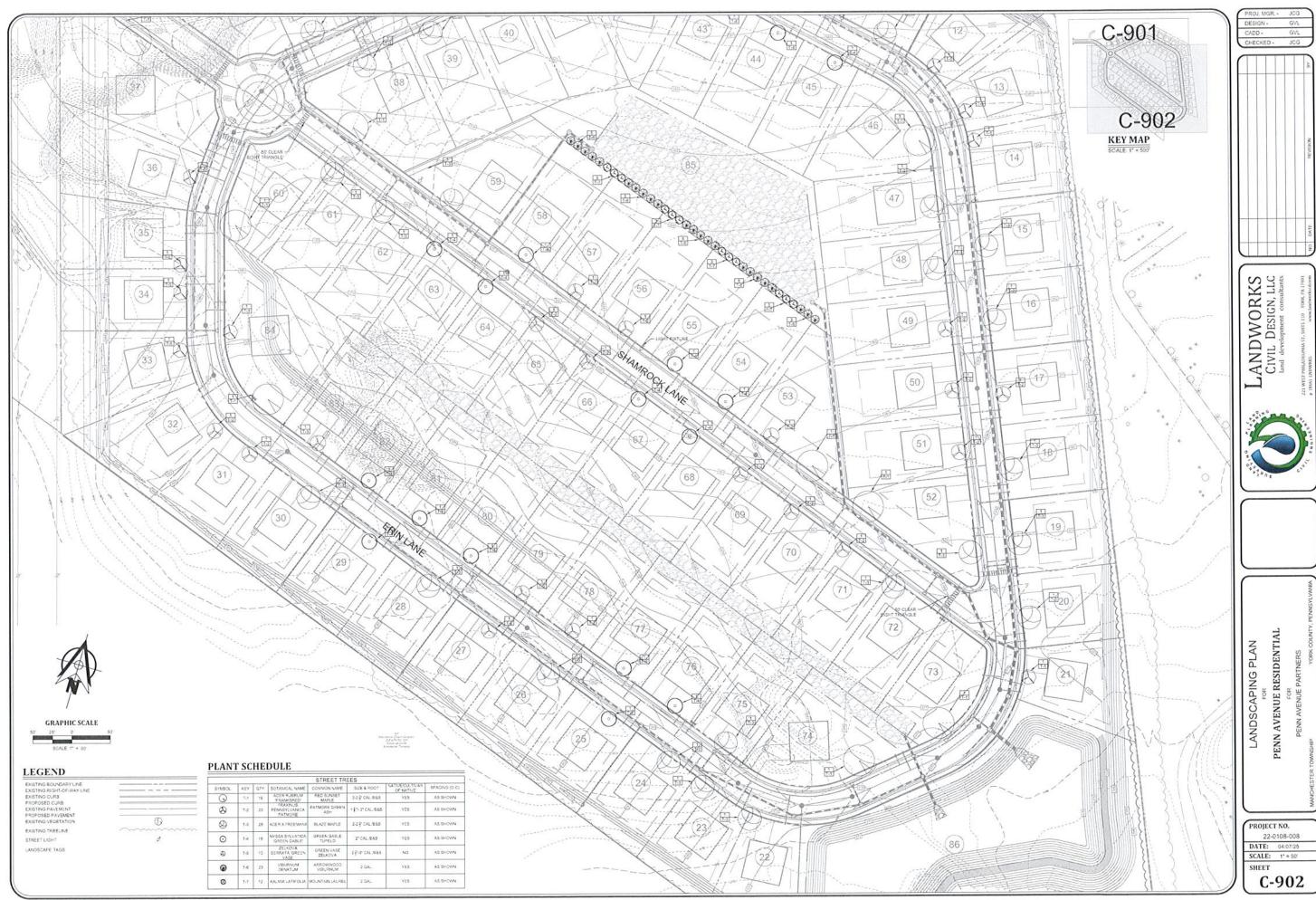
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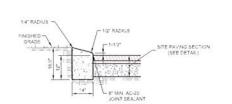


DATE: 04/07/25 SCALE: AS SHOWN

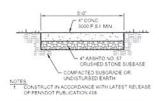








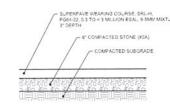
TYPICAL SLANT CONCRETE CURB



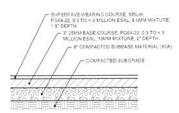
CONCRETE SIDEWALK



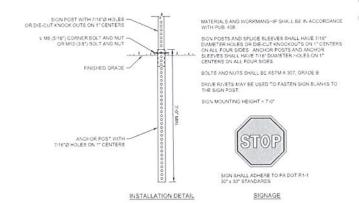
CONCRETE SAW CUT CONTRACTION JOINT



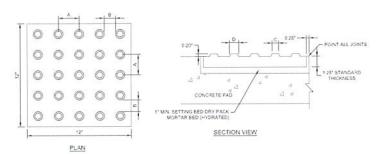
BITUMINOUS WALKING TRAIL DETAIL

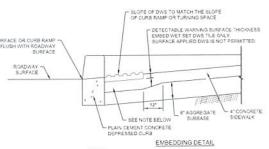


PUBLIC ROADWAY PAVEMENT SECTION



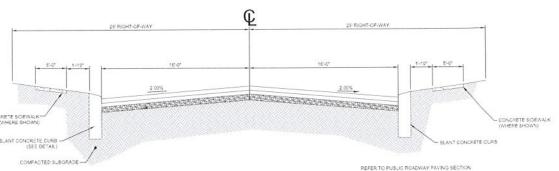
STOP SIGN & POST





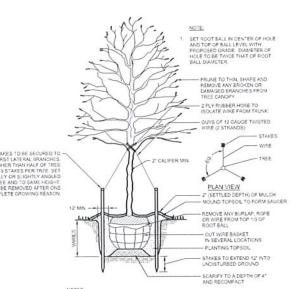
DIM	MIN (IN)	MAX (IN)
A	1.60*	2.40*
В	0.65*	1.50*
C	0.45"	0.91"
D	0.90*	1.401

DETECTABLE WARNING SURFACE (SEE SITE PLAN FOR ADA RAMP)



ROADWAY CROSS-SECTION

NOT TO SCALE

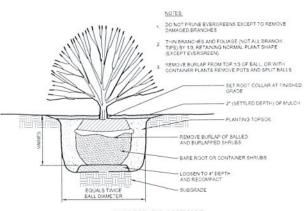


NOTES

1. A MALOHED SAUCER SHALL BE PLACED AROUND TREE, IF TREE IS
NOT LOCATED WITHIN A CONTIQUOUS PLANTING BED.

2. REFER TO LANDSCAFE PLAN SHEET LL 8 3 FOR PLANT SCHEDULE AND
CALIFER SZES.

DECIDUOUS TREE PLANTING



SHRUB PLANTING

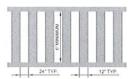
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NOTES
1 MARE THE CROSSWALK LINES SOLID WHITE AND NOT LESS THAN 24" WIDE USING AN EPOLY PAVEMENT MANUNCS FOLLOWING THE MOST RECENT PENNDOT PUBLICATION 408 - SECTION 964).

2. EXTEND CROSSWALK LINES FROM FACE OF CURB TO FACE OF CURB SPACED EVENLY AND CENTERED WITHIN THIS AREA.

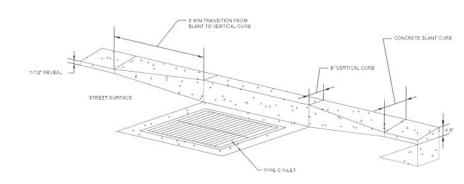
3. MAKE THE LINES FORMING A CROSSWALK PERPENDICULAR TO WALKWAY.

4. THE MINIMUM WIDTH OF THE CROSSWALK SHALL BE 6'.

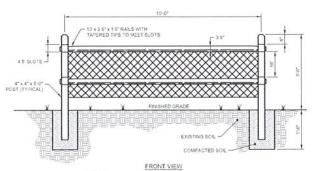
PAINTED CROSSWALK



STOP BAR PAVEMENT MARKING



SLANT CURB TO TYPE CINLET TRANSITION



NOTES

1) ALL WOOD FOR SPLIT RAIL FENCE TO BE PRESSURE TREATED.
2) END POST SHALL BE TERMINAL POST.

SPLIT RAIL FENCE WITH WIRE MESH BACKING



VERTICAL CURB TO SLANT CURB TRANSITION



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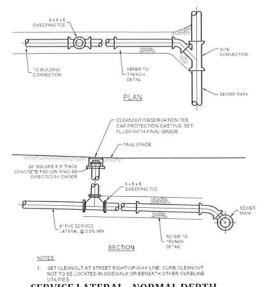




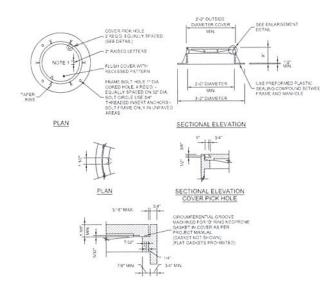
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SERVICE LATERAL - NORMAL DEPTH



ENLARGEMENT DETAIL

- 1 LETTERING SHALL BE *SANITARY SEWER*

- 4 APPLY LUBRICANT TO COVER BOLTS, USE 26-3- FTLBS, MAXIMUM TORQUE
- s. APPLY ANTI-SEIZE COMPOUND TO ALL THREADED SURFACES. 6. AN INSERT DISH SHALL BE REQUIRED FOR EACH MANHOLE.

STANDARD FRAME AND COVER

 GREEN MAGNETIC TAPE SHOULD BE ADDED APPROXIMATELY ONE (1) FOOT BELOW THE PAYING COURSE DIRECTLY ABOVE THE SEVER LINE. SANITARY SEWER TRENCH S S PIPE CLAMP -(TWO) FLEXIBLE CONNECTOR KOR-N-SEAL DETAIL

SECTIONAL ELEVATION

S

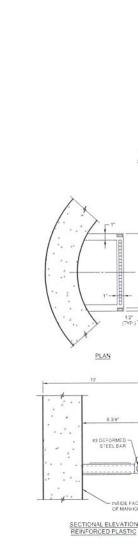
PLAN

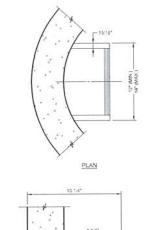
SECTION

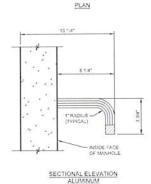
CLEANOUT / OBSERVATION TEE CAP PROTECTION CASTING

GREEN MAGNETIC TAPE (SEE NOTE #2)

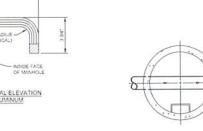
EXISTING MANHOLE PIPE CONNECTION

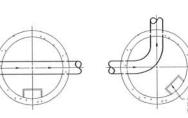


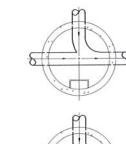


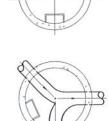


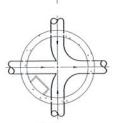
SECTION





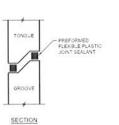






KEEP CURVE TO A MINIMUM TO FACILITATE INSERTION AND REMOVAL OF TEST PLUGS AND INTERNAL INSPECTION EQUIPMENT.

MANHOLE CHANNELS



MANHOLE GASKET

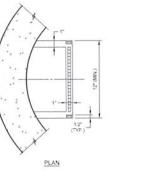
MANHOLE STEPS

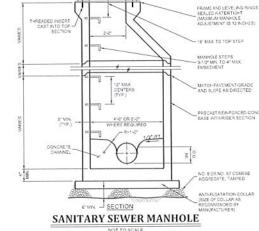
END VIEW

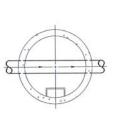
TYPE 1

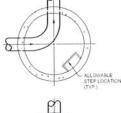
RUBBER GASKET CAST INTO PRECAST PIPE OPENINGS

MANHOLE PIPE GASKETS





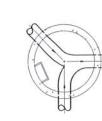




1 ALL STONE GRADATIONS ARE AASHTO CLASIFICATION PIPES SHALL PROTRUDE 2" INSIDE MANHOLE WALL

5. CONCRETE SHALL BE A MINIMUM 4 500 PSI TYPE II OR III. TWO (2) LAYERS OF BITUMINOUS EXTERIOR COATING IS REQUIRED ON MANHOLE COMPONENTS. DOUBLE WRAP OF BUTYL ROPE SEAL IFE SS-S-210A, TYPE 1) IS REQUIRED BETWEEN EACH JOINT. 8. HS-20 LOAD RATING OR GREATER IS REQUES







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SHEET

NOTES

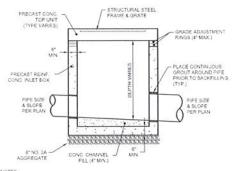
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST RELEASE OF PADOT PUBLICATION 409, SECTION 609 AND PUBLICATION 72M, RC-45M S RC-45M, CONTRACTOR SHALL VERBY INLET BOX SIZING BASED ON PIPE SIZES AND ALKINIGHT PRIOR TO GODERNIOP PRECAST STRUCTURES.

2. ALL DRAINAGE STRUCTURES SHALL HAVE POURED IN PLACE CONCRETE

- CHANNEL BOTTOMS.

 3. NO PIPES SHALL ENTER INLET BOX AT CORNER.

TYPE 'M' INLET



- CONSTRUCT IN ACCORDANCE WITH THE LATEST RELEASE OF PADDIT PUBLICATION AND TO SEE PLAN FOR INLET AND BOX TYPE.

 SEE PLAN FOR INLET AND BOX TYPE.

 ALL PIPES SHALL ENTER INLETS ALONS THE SIDES OR ENDS NO CORNER ENTRY WILL BE PERWITTED.

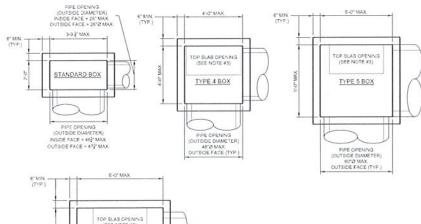
 PROVIDE MANIFOLE STEPS IN ALL INLET BOXES OF THE FEET IN DEPTH.

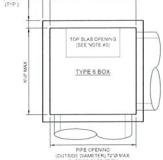
 ALL INLETS SHALL BE PROVIDED WITH STRUCTURAL STEEL SIXVOLE SAFE GRATES PER THE LATEST RELEASE OF PADDIT PUBLICATION TRIL ROLLING.

 SHOP DRAWNOS AFPROVED BY THE DESIGN PROFESSIONAL SHALL BE PROVIDED TO THE LEBANON COUNTY PLANNING DEPARTMENT FOR REVIEW PRIOR TO CONSTRUCTION.

 7. WHEN STEPS ARE REQUIRED, THEY SHALL BE ARRANGED IN A CONTINUOUS LINEAR ALIGNMENT.

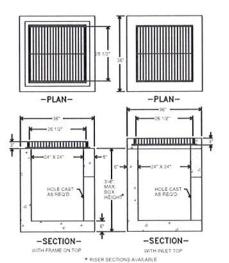
PRE-CAST INLET BOX



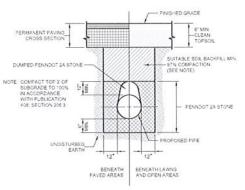


- SONSTRUCT IN ACCORDANCE WITH FADOT SPECIFICATIONS, (RC44).
 SEE GRADING A UTILITIES PLAN FOR NUET GRAPE LOCATIONS.
 SEE FROULES FOR NUET FOR JUNET GRAPE LOCATIONS.
 SEE FROULES FOR NUET FOR JUNET GRAPE LOCATIONS.
 SEE FROULES FOR NUET FURTHER THE STATE OF THE STATE OF

TYPICAL PENNDOT INLET BOXES & TOP SLAB TYPES

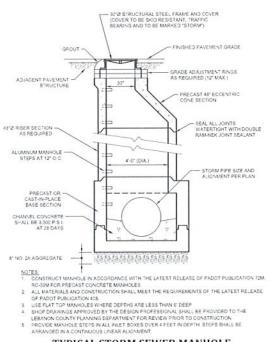


YARD INLET MONARCH 24"x24" CATCH BASIN

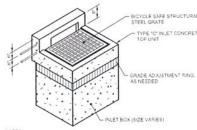


UNLESS OTHERWISE SHOWN, PIPE TRENCHING SHALL CONFORM TO PENNDOT PUBLICATIONS 72 AND 408, LATEST EDITION.

STORM SEWER TRENCH



TYPICAL STORM SEWER MANHOLE



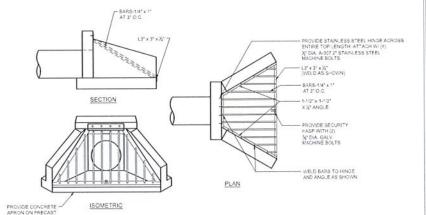
NOTES

1 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST RELEASE OF PACOT PUBLICATION 465. SECTION 605. AND PUBLICATION 720, RC-45M. CONTRACTIONS DIVIDED TO SINCE SECTION 605. AND PUBLICATION 720, RC-45M. ALL DRAIN FROM TO GORDENING PRECAST STRUCTURES.

2 ALL DRAININGS STRUCTURES SHALL HAVE POURED-N-PLACE CONCRETE CHANNEL BOTTOMS.

3 NO PIPES SHALL ENTER INLET BOX AT CORNER.

TYPE 'C' INLET

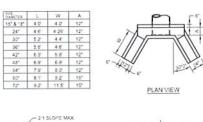


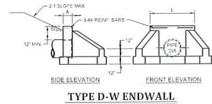
NOTES.

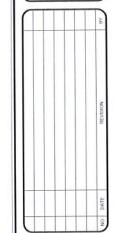
1. PROVIDE A SHOP DRAWING FOR ENGINEER'S APPROVAL PRIOR TO FAERICATION.

2. ALL HEADWALLS OR ENGWALLS OF PIPES IN OF 12-INCH DIAMETER OR GREATER MUST BE EQUIPPED WITH TRASH RACK.

ENDWALL TRASH RACK







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PENN AVENUE RESIDENTIAL

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OWNERSHIP & MAINTENANCE OBLIGATIONS OF STORMWATER / BMP FACILTIES

OWNERSHIP AND MAINTENANCE OF ALL STORMWATER MANAGEMENT AND OTHER ON-SITE BMPS SHALL BE THE RESPONSIBILITY OF THE CURRENT PRIVATE PROPERTY OWNER AND ANY SUBSCOURNT PROPERTY OWNER SHALL ALSO PRIVATELY OWN AND MAINTAN SAU BMPS THEREAFTER TO ASSURE THAT THE CONDITION AND FUNCTIONALITY OF THE FACILITIES REMAINS AS DESIGNED AND INTENDED.

ALL WASTES AND MATERIALS DEPOSITED IN AND REMOVED FROM POST-CONSTRUCTION STORMWATER (PCSM) BMP FACILITIES DURING OPERATION AND MAINTENANCE SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED IN ACCORDANCE WITH THE DEPARTMENTS SOUD WASTE WANAGEMENT REQULATIONS AT 25 PA. CODE \$250.1 ET SEQ., \$27.1.1 ET SEQ., AND §287.1 ET SEQ. NO MATERIALS SHALL BE BURNED, BURNED, DUMPED, OR DISCHARGED AT THE SITE.

THE OWNER SHALL ALSO BE RESPONSIBLE FOR INSPECTING AND MONITORING ALL SYSTEMS AND DOCUMENTING SAID ACTIVITY ON A REGULAR BASIS IN ACCORDANCE WITH THE FOLLOWING GENERAL PRACTICES:

SWM/BMP FACILITY #1

- 1. SEQUENCE OF CONSTRUCTION
- A. THE DESIGN PROFESSIONAL SHALL BE ON-SITE FOR CONSTRUCTION OF THIS BMP...
- B. INSTALL TEMPORARY SEDMENT CONTROL EMPS WHERE NECESSARY.

 C. REMOVE SEDMENT AND DESIRS FROM THE TEMPORARY SEDMENT BASIN, REINCORPORATE THIS MATERIAL INTO
 THE SITE, ORE IN FIREDED, WASTE MATERIAL SHALL BE PROPERLY AND LEGALLY DISPOSED OF IN ACCORDANCE
- WITH PADEP REQULATIONS.

 D. EXCAVATE THE BMP TO PROPOSED SUBGRADE INVERT DEPTH AND SCARIFY THE EXISTING SOIL SURFACES. DO NOT COMPACT INSTITUSOIL DURING INITIAL EXCAVATION, CONSTRUCTION EQUIPMENT AND VEHICLES STALL BE LIMITED TO RUBBER-THRED VEHICLES TO THE EXTENT POSSIBLE.

 PLACE SPECIFIED SOIL MIXTURE AND SPECIFIED SEED MIXTURE THROUGHOUT THE ENTIRE BMP AREA.

 F. REMOVE TEMPORARY SEDIMENT CONTROL DEVICES AND CONVERT THE DUTLET STRUCTURE TO ITS PERMANENT CONDITION ONCE TON EXCENTANT OF IS ACHIEVED WITHIN THE BMP AREA.

 G. THE LICENSED PROFESSIONAL SHALL BE PRESENT DURING INITIAL EXCAVATION AS WELL AS DURING FINAL CONVERSION OF THE BMPS FROM "TEMPORARY" TO "PERMANENT" TO ENSURE THAT ALL CONSTRUCTION PROCEEDS IN ACCORDANCE WITH THE BESIND.

- A. THE BMPS SHOULD BE INSPECTED AFTER RUNOFF EVENTS GREATER THAN ONE INCH (1"), AND MAKE SURE THAT RUNOFF DRAINS DOWN WITHIN 72 HOURS, MOSQUITOS SHOULD NOT BE A PROBLEM IF THE WATER DRAINS IN 72 HOURS, MOSQUITOES REQUIRE A CONSIDERABLY LONG BREEDING PERIOD WITH RELATIVELY STATIC WATER LEYELS.
- LEVELS.

 B. INSPECTIONS OF THE BMPS SHALL INCLIDE BUT NOT BE LIMITED TO:

 STRUCTURAL INTEGRITY AND OPERATION OF THE OUTLET STRUCTURES AND APPURTENANCES

 COLLECTION, STORAGE AND RELEASE OF STORMWATER IN ACCORDANCE WITH EACH BMP'S DESIGN
- · SEDIMENT AND DEBRIS ACCUMULATION
- CONDITION AND GROWTH OF VEGETATION
- CONDITION AND FUNCTIONALITY OF PLANTING SOIL MIXTURE.
- GENERAL SAFETY AND OPERATION DEVELOPMENT OF SINKHOLES

- SATE YALVES REMAIN CODED.
 C. IN THE EVENT THAT A DEFICIENCY IS DISCOVERED DURING THE ABOVE INSPECTIONS, IMMEDIATE REMEDIATION SHOULD OCCUR IN ORDER TO RESTORE THE DEFICIENT BMP IN ACCORDANCE WITH THE APPROVED DESIGN.

- A. GATE VALVES ARE TO REMAIN CLOSED EXCEPT FOR EMERGENCY OR MAINTENANCE DEWATERING
- A. GATE VALVES ARE TO REMAIN CLOSED EXCEPT FOR EMERGENCY OR MAINTENANCE DEMATERIALS.

 B. VEGETATION CONTRIBUTING TO AND AUGUENT TO EACH BUP SHALL BE MAINTAINED IN ACCORDANCE WITH THE APPROVED PLAN AND IN ACCORDANCE WITH MUNICIPAL ORDINANCES.

 C. REMOVE ACCUMULATED SEDMENT AND DEBRIS FROM BMPS AS REQUIRED. PROPERLY DISPOSE OF SEDMENT IN ACCORDANCE WITH PADEP REQUIATIONS. RESTORE ORBIGINAL CROSS-SECTION AND INFLITRATION RATE. FLOATABLE DEBRIS THAT MAY IMPACT THE OPERATION OF THE OUTLET STRUCTURES SHALL BE REMOVED IMMEDIATELY.

- PLOATABLE DEBUS THAT MAY IMPACT THE OFFERNING OF THE OUTLET STRUCTURES SHALL BE RESOVED.

 D. CATCH BASINS AND INLETS (UPGRAZIENT OF THESE BMPS) SHOULD BE INSPECTED AND CLEANED AT LEAST TWO TIMES FER YEAR AND AFTER RUNOFF EVENTS.

 E. THE VEGETATION ALONG THE SURFACE OF THESE BMPS SHOULD BE MAINTAINED IN GOOD CONDITION, AND ANY BARE SPOTS REVEGETATED AS SOON AS POSSIBLE.

 F. VEHICLES SHOULD NOT BE PARKED OR DRIVEN ON A BMP, AND CARE SHOULD BE TAXEN TO AVOID EXCESSIVE COMPACTION BY MOMERS (WHERE MOVING IS APPLICABLE).

 G. MOW ONLY AS APPROPRIATE FOR VEGETATIVE COVER SPECIES.

SWM/BMP FACILITY #2 & #3

- 1. SEQUENCE ON CONSTRUCTION
- A. THE DESIGN PROFESSIONAL SHALL BE ON-SITE FOR CONSTRUCTION OF THIS BMP.
- A THE DESIGN PROFESSIONAL SHALL BE UN-SITE PROFESSION.

 B. INSTALL TEMPORARY SEDIMENT CONTROL BUPS WHERE NECESSARY.

 C. EXCAVATE THE BURN TO PROPOSED SUBGRADE, EXCEPT HAS SCARIFY THE EXISTING SOIL SURFACES, DO NOT COMPACT INSTITU SOIL, DURING INTILL, EXCAVATION, CONSTRUCTION EQUIPMENT AND VEHICLES SHALL BE LIMITED TO RUBBER-TIRED VEHICLES TO THE EXTENT POSSIBLE.

 D. INSTALL THE OUTLET STRUCTURE, ANY OTHER STRUCTURES, AND ASSOCIATED PIPING.

- DIAGE THE ROCK AND INSTALL THE GEOFERTHE LINER.

 PLACE THE ROCK AND INSTALL THE GEOFERTHE LINER.

 PLACE ANY REMAINING FILL MATERIAL AND TOPSOIL ABOVE THE FACILITY.

 O, THE LICENSED PROFESSIONAL SHALL BE PRESENT DURING INITIAL EXCAVATION AS WELL AS DURING FINAL INSTALLATION OF THE BMP TO ENSURE THAT ALL CONSTRUCTION PROCEEDS IN ACCORDANCE WITH THE DESIGN.

- INSPECTIONS

 A THE SUBSURFACE SYMMIND FACILITY SHOULD BE INSPECTED TYPICE PER YEAR, AND AFTER EVERY RAIN EVENT EXCEEDING ONE NICH, INSPECTIONS OF THE FACILITY SHALL INCLUDE BUT NOT BE LIMITED TO:

 STRUCTURAL INTEGRITY AND OFERATION OF THE OUTLET STRUCTURES AND APPURTURANCES

 COLLECTION, STORAGE AND RELEASE OF STORMWATER IN ACCORDANCE WITH THE FACILITY DESIGN

- SEDIMENT AND DEBRIS ACCUMULATION GENERAL SAFETY AND OPERATION
- B. IN THE EVENT THAT A DEFICIENCY IS DISCOVERED DURING THE ABOVE INSPECTIONS, IMMEDIATE REMEDIATION SHOULD OCCUR IN ORDER TO RESTORE THE DEFICIENT SUBSURFACE SWM / BMP FACILITY IN ACCORDANCE WITH THE APPROVED DESIGN.

A ACCUMULATED SEDIMENT AND DEBRIS SHALL BE REMOVED FROM THE FACILITY ON A SEMI-ANNUAL BASIS. FLOATABLE DEBRIS THAT MAY IMPACT THE OPERATION OF THE OUTLET STRUCTURE SHALL BE REMOVED IMMEDIATELY.

PERMANENT CHANNELS

1 CONSTRUCTION SEQUENCE

- A BEGIN CHANNEL CONSTRUCTION ONLY WHEN THE APPROPRIATE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE.
- B. ROUGH GADE THE CHANNEL EQUIPMENT SHALL AVOID EXCESSIVE COMPACTION AND LAND DISTURBANCE. EXCAVATING EQUIPMENT SHALL OPERATE FROM THE SIDE OF THE CHANNEL AND NEVER ON THE BOTTOM. C. FINE GRADE THE CHANNEL. ACCURATE GRADING IS CRUCIAL. THE SMALLEST NONCONFORMITY MAY COMPROMISE FLOW CONDITIONS.
- COMPROMISE FLOW CONDITIONS.

 D. SEED, VEGETATE, AND INSTALL PROTECTIVE LINING AS PER APPROVED PLANS AND ACCORDING TO THE SEEDING SPECIFICATIONS. PLANT THE CHANNEL AT A TIME OF YEAR WHEN SUCCESSFUL ESTABLISHMENT WITHOUT RIRIGATION IS MOST LIKELY. HOWEVER, TEMPORARY IRRIGATION MAY BE NEEDED IN PERIODS OF LITTLE RAIN OR DROUGHT, VEGETATION SHALL BE ESTABLISHED AS SOON AS POSSIBLE TO PREVENT REROSION AND SCOUR.

 E. DNCE ALL TRIBUTARY AREAS ARE PERMANENTLY STABILIZED, REMOVE TEMPORARY EROSION AND SEDIMENT CONTERNS.

CONTROLS. 2. MAINTENANCE

- MAINTENANCE
 A, ACTINITIES TO BE DONE ANNUAL AND WITHIN 47 HOURS AFTER EVERY RUNOFF EVENT (>0.25' RAINFALL DEPTH)

 INSPECT AND CORRECT EROSION PROBLEMS, DAMAGE TO VEGETATION, AND SEDMENT AND DEBRIS
 ACCUMULATION, ADDRESS WHEN GREATER THAN THERE INCHES THAY SPOT OR COVERING VEGETATION

 INSPECT VEGETATION ON SIDE SLOPES FOR EROSION AND FORMATION OF RILLS OR GULLIES, CORRECT AS
- NEEDED.

 INSPECT FOR POOLS OF STANDING WATER, DEWATER AND DISCHARGE TO AN APPROVED LOCATION AND
- NSPECT FOR FUDUS OF STANDING WATER, DEVALER AND DISCROSE TO AN APPROVED LOCATION AND RESTORE TO DESIGN GRADE.

 MOW AND TRIM VEGETATION TO ENSURE SAFETY, AESTHETICS, PROPER CHANNEL OPERATION, OR TO SUPPRESS WEEDS AND INVASIVE VEGETATION, DISPOSE OF CUTTINGS IN A LOCAL COMPOSTING FACILITY. MOW ONLY WHEN DRY TO AVOID RUTTING.

 INSPECT FOR LITTER PRIOR TO MOWING.

 INSPECT FOR LITTER PRIOR TO MOWING.

 INSPECT FOR UNIFORMITY OF CROSS SECTION AND LONGITUDINAL SLOPE, CORRECT AS NEEDED.

 INSPECT FOR LITTER SECTION.

 INSPECT FOR LITTER SECTION.

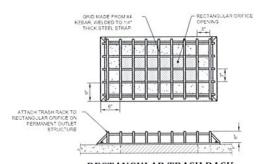
- B. ACTIVITIES TO BE DONE AS NEEDED
- PLANT ALTERNATIVE GRASS SPECIES IN THE EVENT OF UNSUCCESSFUL ESTABLISHMENT. RESEED BARE
 AREAS, INSTALL APPROPRIATE EROSION CONTROL MEASURES WHEN NATIVE SOIL IS EXPOSED, OR EROSION

CHANNELS ARE FORMING.
WATER DURING DRY PERIODS, FERTILIZE, AND APPLY PESTICIDE ONLY WHEN NECESSARY

STORM SYSTEM CONVEYANCE FACILITIES

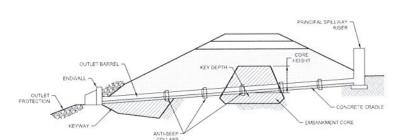
. STORM SYSTEM CONVEYANCE FACILITIES (INLETS, PIPING, ROOF LEADERS, SWALES, ETC..) SHOULD BE INSPECTED ANNUALLY FOR PROPER FUNCTION, OPERATION, STRUCTURAL CONDITION, ACCUMULATED SEDIMENT AND DEBRIS. ANY DEFICIENCIES SHALL BE DOCUMENTED AND REPORTED FOR MAINTENANCE.

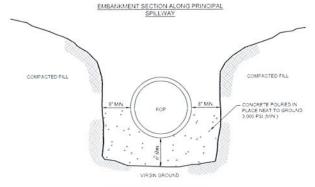
PRIOR TO RECORDING THE APPROVED POST-CONSTRUCTION STORMWATER MANAGEMENT PLAN, THE OWNER SHALL ALSO ENTER INTO A STORMWATER FACILITIES AND BMP MAINTENANCE AND MONITORING AGREEMENT WITH THE TOWNSHIP. THE AGREEMENT SHALL OUTLINE PROVISIONS FOR OWNERSHIP, MAINTENANCE AND CONTROL. OF FACILITIES AS WILL AS PROVISIONS FOR ACCESS BY TOWNSHIP PERSONNEL FOR INSPECTION OF THE FACILITIES DEEMED CRITICAL. TO THE PUBLIC WELFARE ON A REGULAR BASIS AND FOLLOWING MAJOR STORM EVENTS. MAINTENANCE AND OSSERVATION ACTIVITIES SHALL BE DOCUMENTED IN A REPORT AND SHALL BE MADE AVAILABLE FOR THE TOWNSHIP.



RECTANGULAR TRASH RACK

RACK TO BE CONSTRUCTED FROM HOT DIPPED GALVANIZED STEEL

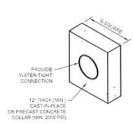




CROSS-SECTION AT OUTLET BARREL BASIN# CRADLE LENGTH OUTLET PIPE

- A CONCRETE CRADLE MAY BE USED IN CONJUNCTION WITH ANTI-SEEP COLLARS.
- ANTI-SEEP COLLAR NUMBER, SIZE AND SPACING SHALL BE AS SHOWN ELSEWHERE IN PLAN

CONCRETE CRADLE FOR BASIN OUTLET PIPE

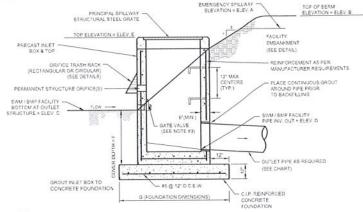


NOTES

- 1. ALL COLLARS SHALL BE INSTALLED SO AS TO BE WATER-TIGHT
- 2 COLLAR SIZE AND SPACING SHALL BE AS INDICATED BELOW

BASIN NO	PIPE SIZE (N.)	S (IN)	NO. OF COLLARS	DISTANCE RISER TO 1ST COLLAR (FT.)	COLLAR SPAGING (FT.)
1	30	78	2	14	10

CONCRETE ANTI-SEEP COLLAR PERMANENT BASIN

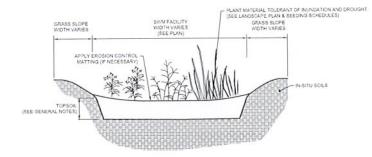


NOTES

- PROVIDE FIELD PLACED CONCRETE FILL IN THE BOTTOM OF ALL QUILET STRUCTURES. PROVIDE AN ADEQUATE FLOW CHANNEL FOR THE TRANSITION TO THE OUTLET PIPE. SHAPE BOX BOTTOM FOR POSITIVE DRAINAGE.
- CONSTRUCT THE REINFORCED CONCRETE FOUNDATION TO A DIMENSION 24 INCHES LARGER THAN THE OUTSIDE DIMENSIONS OF THE OUTLET STRUCTURE.
- WHERE SPECIFIED, PROVIDE A PERMANENT OF GATE VALVE WITH STAINLESS STEEL PADDLES MANUFACTURED BY VALTER
 APPROVED EQUAL ON THE OUTLET STRUCTURE AT THE SOTTOM OF THE FACILITY. THE OPERATOR FOR THE GATE VALVE SY
 OPERATED FROM THE INSIGH THE OUTLET STRUCTURE. THE GATE VALVE SYALL OPERATE WATERSHALL OPERATE WATERSHALL OPERATE WATERSHALL OPERATE.
- 4. IF A FACILITY IS USED AS A SEDIMENT BASIN, WHEN CONVERTING TO ITS PERMANENT CONDITION, REMOVE TEMPORARY STEEL PLATES & SCHWERR ATTACHMENT AND, IF NEEDED, ADJUST THE FINAL GRAFE ELEVATION OF THE OUTLET STRUCTURE TO THE PERMANENT PRINCIPAL SPLLWAY DESIGN ELEVATION (BLEV) ELI ASO PLACE THE INLET TOP GRATE ON TOP OF THE STRUCTURE. PERMANENTLY BLOCK ANY TEMPORARY INCLES WITHIN WATERTIGHT STEEL PLATE.

STRUCTURE NO.	A	8	С	D	E	F	G	INLET TYPE	INLET DIMENSIONS	BOXTYPE	PERMANENT STRUCTURE ORIFICE(S)	OUTLET PIPE
		378.00	370.00	368.68	374.00	3	5 x 9	TYPE M	24" x 45"	STANDARD	12" H x 36" W @ 371 50 (RECTANGULAR)	55 OF 30" RCP @ 1.00%

SWM/BMP FACILITY #1 OUTLET STRUCTURE

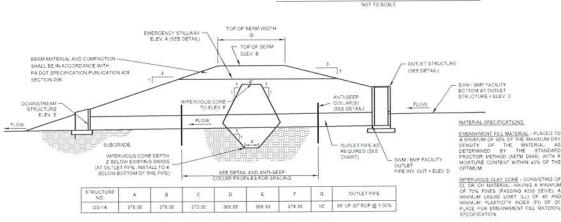


FACILITY #	SOL TYPE	MIN DEPTH
1	TOPSOIL	5*

GENERAL NOTES:

- YOUVER'T SWAREAU FACILITY ONLY AFTER STABILIZATION OF CONTRIBUTING DRAINAGE AREA
- 2. PLANT, SEED, AND STABILIZE SWIMBIMP FACILITY PER LANDSCAPING PLAN AND SEEDING SPECIFICATIONS.
- 3 GRADING OF SWM 9MP FACILITY SHALL BE ACCOMPLISHED USING LOW-COMPACTION EARTH-MOVING EQUIPMENT TO PREVENT OVER COMPACTION OF UNDERLYING SOILS.
- 4. SOIL MIXTURES SHALL BE APPLIED TO THE ENTIRE BOTTOM CONTOUR AREA WITHIN THE SWY/BY/P FACILITY.
- 5. SOIL MIXTURES SHOULD BE FREE OF SUBSOIL, CLAY LUMPS, BRUSH, ROOTS, WEEDS AND ANY OTHER FOREIGN MATTER.

SWM/BMP FACILITY #1 CROSS-SECTION



SWM/BMP FACILITY #1 CROSS-SECTION AT PERMANENT OUTLET STRUCTURE

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PENN AVENUE RESIDENTIAL DETAIL TRUCTION

CONS

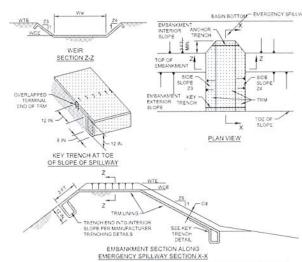
PROIECT NO. 22-0108-008 DATE: 04/07/25 SCALE: N.T.S. SHEET

INSTALL ON INLETS OS-2, 3-1, 3-2, 3-3, 3-4, 5-3-5.
 SUBSTITUTIONS TO BE APPROVED BY THE ENGINEER.

INSTALLATION INSTRUCTIONS:

- 1. REMOVE INLET GRATE.
- 2. DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
- 3 REPLACE INLET GRATE

FLEXSTORM INLET FILTER



			WEIR		UNN3		CHANNEL		
BASIN NO	Z3 (FT)	Z4 (FT)	TOP ELEV WTE (FT)	CREST ELEV WCE (FT)	WIDTH Ww (FT)	TRM TYPE	STAPLE PATTERN	Z5 (FT)	DEPTH Cd (FT)
1	3	3	378.00	376.00	75	N.A.G. SC-250	CHANNEL	3	1.00

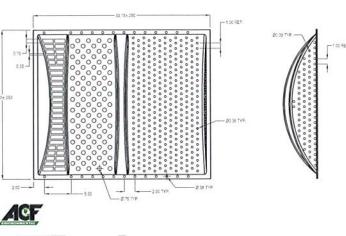
NOTES: 1. HEAVY EQUIPMENT SHALL NOT CROSS OVER SPILLWAY WITHOUT PRECAUTIONS TAKEN TO

- PROTECT THE LINNS

 2 DISPLACED LINER WITHIN THE SPILLMAY AND OR OUTLET CHANNEL SHALL BE REPLACED INVESTIGATE

 3 SEE BROSION CONTROL BLANKET INSTALLATION DETAIL FOR STAPLE PATTERN

EMERGENCY SPILLWAY WITH TRM LINING



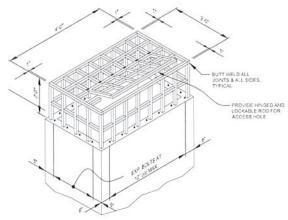
FOR ADDITIONAL INFORMATION PLEASE CONTACT: ACF ENVIRONMENTAL, 1-800-448-3636,

NOTES:

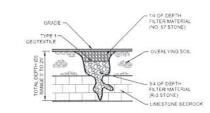
1. INSTALL ON STRUCTURE 4-0.
2. SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER.

TRASH GUARD PLUS

www.acfenvironmental.com

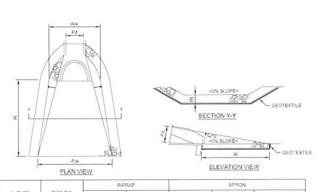


PERMANENT OUTLET STRUCTURE TRASH RACK



- REMOVE AND PROPERLY DISPOSE OF MATERIAL'S DUMPED IN AND AROUND THE SINCHOLE.
- EXCAVATE LOOSE MATERIAL FROM THE SINGHOLE AND TRY TO EXPOSE THE SOLUTION VOID(S) IN THE BOTTOM. ENLARGE THE SINGHOLE, AS NECESSARY TO ALLOW FOR INSTALLATION OF THE FILTER MATERIALS.
- PLACE A LAYER OF FILTER MATERIAL INTO THE SINOHOLE ALLOWING THE STONE TO FILL THE YORK; SELLOW THE BOTTOM OF EXCAVATED SINOHOLE. THE SIZE SHOULD BE IT TO 10 THE SIZE OF THE YORK; IN MOST CASES THIS MATERIAL COULD BE R-3 STONE.
- PLACE A LAYER OF THE SAME SIZE FILTER MATERIAL AT A THICKNESS OF ABOUT 3:4 D (D = TOTAL DEPTH) ABOVE THE SINKHOLE BOTTOM.
- PLACE A LAYER OF SMALLER SIZE FILTER MATERIAL OVER THE PREVIOUS LAYER AT A THICKNESS OF ABOUT IN DIQ 10 TOTAL DEPTH). BEING THIS LAYER TO THE SURFACE. THE SIZE SHOULD BE THE TO 1/2 THE SIZE OF THE PREVIOUS LAYER. IN MOST CASES THIS MATERIAL COULD BE NO. 57 STONE.

SINKHOLE TREATMENT INVERTED FILTER

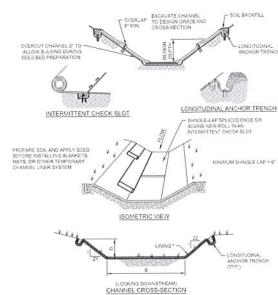


	RIP	RAP	APRON			
NO.	PIPE DIA Pd (IN)	SIZE (R)	THICK. Rt (IN)	LENGTH AI (FT)	INITIAL WIDTH AW (FT)	TERMINAL WIDTH Atw (FT)
1-0	36	4	18	13	9	15
2-0	48	5	27	22	12	21
05-10	30	4	18	21	8	29

NOTES

- ALL APRONS SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN. TERMINAL WIDTHS SHALL BE ADJUSTED AS NECESSARY TO MATCH RECEIVING CHANNELS.
- ALL APRONS SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RUNOFF EVENT, DISPLACED RIPRAP WITHIN THE APRON SHALL BE REPLACED IMMEDIATELY.

RIPRAP APRON AT PIPE OUTLET WITH ENDWALL



SEE MANUFACTURERS LINING INSTALLATION DETAIL FOR STAPLE PATTERS, AND VEGETATIVE STABILIZATION SPECIFICATIONS FOR SOIL AMENDMENTS, SEED MOTURES AND MULICIHING INFORMATION.

CHANNEL NO.	BOTTOM WIDTH B (FT)	DEPTH D (FT)	Z1 (FT)	Z2 (FT)	LINING *	STAPLE PATTERN
1-4	1.0	1.0	3	3	N.A.G 875	CHANNEL
1-6A	1.0	1.0	3	3	N.A.G. 875	CHANNEL
1-6B	1.0	1.0	3	3	N.A.G 575	CHANNEL
1-7	1.0	1.0	3	3	N.A.G. 575	CHANNEL
2-3A	1.0	10	3	3	N.A.G 575	CHANNEL
2-38	10	10	3	3	N.A.G. 575	CHANNEL
2-58	1.0	1.0	3	3	N.A.G \$75	CHANNEL
2-6A	10	1.0	3	3	N.A.G. 575	CHANNEL
2-68	1.0	1.0	3	3	N.A.G 875	CHANNEL
2-78	1.0	1.0	3	3	N.A.G. \$75	CHANNEL
2-98	4.0	1.5	3	3	N.A.G 875	CHANNEL
2-90	4.0	1.5	3	3	N.A.G. \$75	CHANNEL
2-90	4.0	1.5	3	3	N.A.G.575	CHANNEL
2-108	4.0	1.5	3	3	N.A.G. 575	CHANNEL
2-10C	4.0	1.5	3	3	N.A.G 575	CHANNEL
2-10D	4.0	1.5	3.	3	N.A.G. 575	CHANNEL
4-7A	1.0	1.0	3	3	N.A.G.575	CHANNEL
4-73	10	1.0	3	3	N.A.G. 575	CHANNEL
4-84	1.0	1.0	3	3	N.A.G 875	CHANNEL
4-83	1.5	1.0	3	3	N.A.G. 575	CHANNEL
5-4	4.0	2.0	3	3	N.A.G. 575	CHANNEL

GENERAL NOTES

- 1. N.A.G. INDICATES A NORTH AMERICAN GREEN PRODUCT AND \$15 REPRESENTS THE PRODUCT #.

- NO MORE THAN ONE THIRD OF THE SHOOT (GRASS LEAF) SHALL BE REMOVED IN ANY MONIVE. GRASS HEXRHT SHALL BE MANTANED BETWEEN 2 AND 3 MONES UNLESS OTHERWISE SPECIFIED EXCESS VEGETATION SHALL BE REMOVED FROM PERMANENT CHANNELS OF BURINESS EXTERIORS CHANNELS OF BURINESS STREET, CHANNEL SOFT, AND EXEMPTION OF AND EXEMPTION.
- 5 ALL CHANNELS MUST BE KEPT FREE OF DESTRUCTIONS SUCH AS FILL GROUND, FALLEN LEAVES & WOODY DEBRIS, ACCUMULATED SEDMENT, AND CONSTRUCTION MATERIALS/WASTES CHANNELS SHOULD BE KEPT WORKED ANDOR FREE OF ALL WEEDY, BRUSHIN, OR WOODY GROWTH ANY UNDERGROUND UTLITIES RUNNING ACROSSTHADUSH THE CHANNEL SYSTALL BE IMPUEDTED FROM THE CHANNEL SYSTALL BE IMPUEDTED FROM THE CHANNEL SYSTALL BE IMPUEDTED.
- 6 CHANNELS SHALL BE CONSTRUCTED FREE OF ROCKS, TREE ROOTS, STUMPS, OR OTHER PROJECTIONS THAT WILL IMPEDE NORMAL CHANNEL FLOW AND/OR PREVENT GOOD LINNS TO SOIL CONTACT. THE CHANNEL SHALL SE INITIALLY OVER-SECULATED TO ALLOW FOR THE PLACEMENT OF TOPSOIL.

PERMANENT VEGETATED CHANNEL



ANDWORKS CIVIL DESIGN, LLC land development consultants



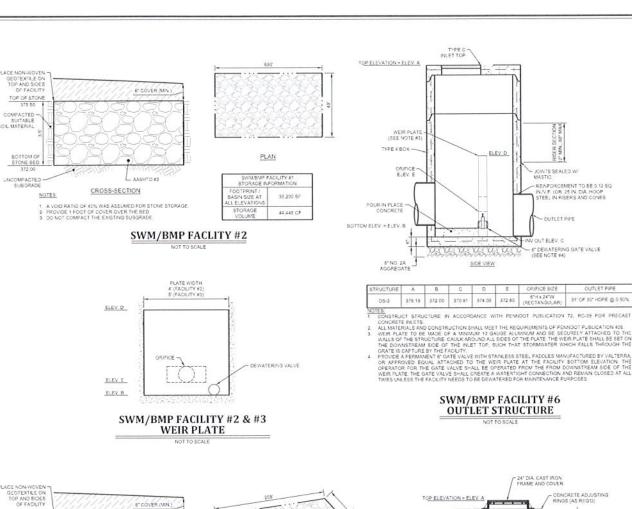


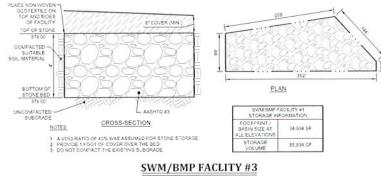
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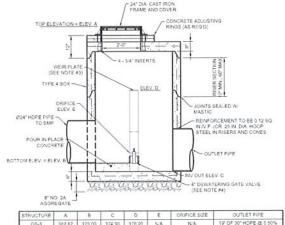
CONSTRUCTION DETAILS

PROJECT NO.

22-0108-008 DATE: 04/07/25 SCALE: N.T.S.







NOTES:

1. CONSTRUCT MANHOLE IN ACCORDANCE WITH PENNDOT PUBLICATION 72, RC39 FOR PRECAST CONCRETE

CONSTRUCT MANIOLE IN ACCORDANCE WITH PRINDOT PUBLICATION 1/2, MOUST FOR TREATMENT AND MANIOLES.

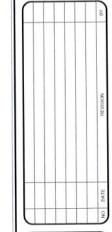
2. ALL MATERIALS AND CONSTRUCTION SMALL MEET THE REQUIREMENTS OF PENNOOT PUBLICATION 4/38.

3. WERR PLATE TO BE MADE OF A MAINMAN 10 GAUGE ALUMANUM AND BE SEQUEELY ATTACHED TO THE WALLS OF THE WANNOCE, CAULAR AROUND ALL SOES OF THE PLATE.

3. OF A PRODUCE EDUMA, ATTACHED TO THE WERR PLATE AT THE FACILITY BOTTOM ELEVATION. THE OPERATION FOR THE GATE VALVE SHALL BE OPERATED FROM THE FROM DOWNSTREAM SIDE OF THE WERR PLATE. THE FACILITY MOUST SHALL BE OFFER A WATERTOAT CONNECTION AND REMAINS CLOSED AT ALL TIMES UNLESS THE FACULITY NEEDS TO BE DEWATERED FOR MAINTENANCE PURPOSES.

SWM/BMP FACILITY #4 OUTLET STRUCTURE

PROJ. MGR. - JCG



LANDWORKS
CIVIL DESIGN, LLC
land development consultants





FOR PENN AVENUE RESIDENTIAL

CONSTRUCTION DETAILS

PROJECT NO. 22-0108-008

DATE: 04/07/25 SCALE: N.T.S. SHEET