PRELIMINARY LAND DEVELOPMENT PLANS

THE RESIDENCES AT POPLAR Residential Development

Municipality of Mt. Lebanon, Allegheny County, Pennsylvania

Prepared For:

The Residences at Poplar, LLC

1272 Mars Evans City Road Evans City, PA 16033 Phone: 724-432-3101

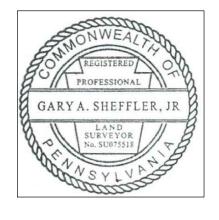
> Submission Date: July 26, 2021 Resubmission: March 22, 2022

Hills Recokine Recokine

SITE LOCATION MAP

SITE LOCATION MAP





| LICABLE ORDINANCES OF THE MU | L ENGINEERING AND DESIGN REQUIREMENT OF THE UNICIPALITY OF MT. LEBANON, EXCEPT AS DEPARTURES PROPRIATE OFFICIALS OF THE MUNICIPALITY. | REVIEWED BY 1 | THE MT. LEBANON PLANNING BOARD TH _, 20 | ISDAY |
|------------------------------|---|----------------|--|--------------------------|
| <u> </u> | NAME | SECRETARY | CHAI | RPERSON |
| | | APPROVED BY 20 | THE MT. LEBANON COMMISSION, THIS _ | DAY OF |
| | | SIGNED AND NO | OTED AS APPROVED THIS DAY OF | , 20 |
| | | SECRETARY | PRES | SIDENT OF THE COMMISSION |
| AL) | REGISTRATION NUMBER | - | | |
| | | (SEAL) | | |
| | ECORDER OF DEEDS OF THE COUNTY OF ALLEGHENY, , IN PLAN BOOK VOLUME, PAGE(S) | | | |
| EN UNDER MY HAND AND SEAL TH | HIS DAY OF, 20 | | THE ALLEGHENY COUNTY DEPARTMENT DAY OF 20 | OF ECONOMIC DEVELOOPMI |
| | | | | |
| | | | | |
| | | | | |

ALL PROPOSED GRADES, ELEVATIONS, AND SLOPES, AS WELL AS ALL ASSOCIATED ENGINEERING ASSUMPTIONS, ARE BASED SOLELY AND EXCLUSIVELY UPON RESULTS FINDINGS, AND RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEERING REPORT.

RECORDER OF DEEDS

ANY AND ALL CONSTRUCTION WORK RELATED TO EARTH MOVING OR OTHER EXCAVATION SHALL ONLY BE PERFORMED UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL GEOTECHNICAL ENGINEER, OR OTHER APPROVED PROFESSIONAL REPRESENTATIVE, WITH KNOWLEDGE AND EXPERIENCE IN THE INTERPRETATION OF ALL ISSUES RELATED TO GEOTECHNICAL ENGINEERING AND CONSTRUCTION ACTIVITIES.

Prepared By:



1712 Mount Nebo Road Sewickley, PA 15143

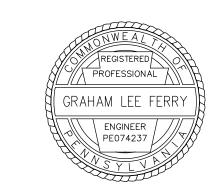
Office Phone: 412-219-4509 Email: Info@ShefflerCo.com

DRAWING SCHEDULE

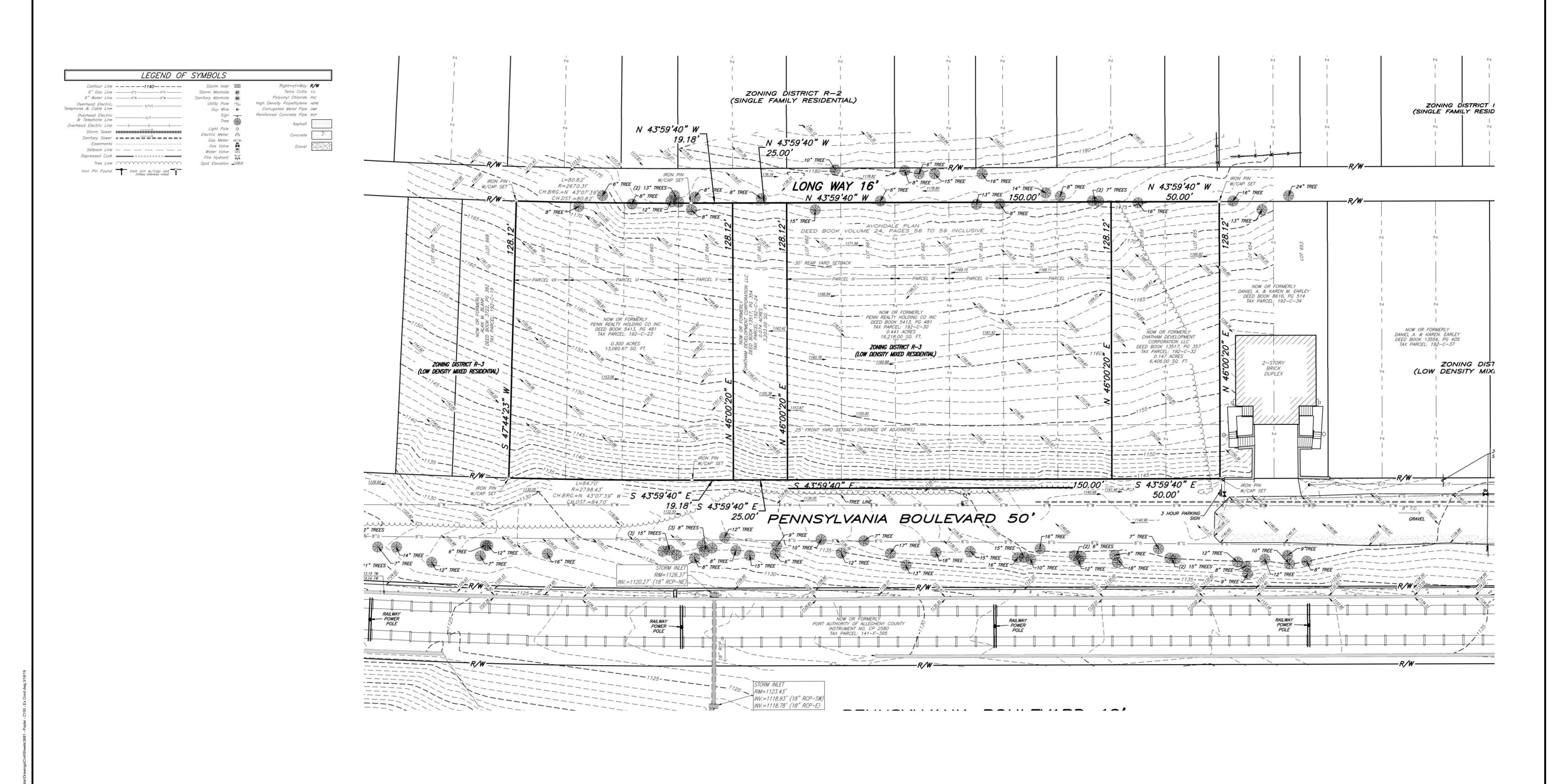
| C000 Title Sheet* C100 Existing Conditions Plan C110 Consolidation & Subdivision Plan C111 Consolidation & Subdivision Plan C120 Zoning Map C200 Site Plan* C300 Grading Plan C301 Grading Plan - Road Extension C400 Storm Sewer Plan C410-C411 C500 Sanitary Sewer and Utility Plan C510 Sanitary Sewer Profile C600 Building Elevations C601 Floor Plan C602 Building Elevation Cross Section C700A-C C700A-C C800 Lighting Plan C1000 Landscape Plan* PCSM1 Post Construction Stormwater Management Plan* POSM2 Post Construction Stormwater Management Notes and Details* Erosion and Sediment Control Plan E82-ES3 Erosion and Sediment Control Plan Notes and Details | | |
|--|-----------|---|
| C100 Existing Conditions Plan C110 Consolidation & Subdivision Plan C111 Consolidation & Subdivision Plan C120 Zoning Map C200 Site Plan* C300 Grading Plan C301 Grading Plan - Road Extension C400 Storm Sewer Plan C410-C411 Storm Sewer Profiles C500 Sanitary Sewer and Utility Plan C510 Sanitary Sewer Profile C600 Building Elevations C601 Floor Plan C602 Building Elevation Cross Section C700 General Notes C700A-C C800 Lighting Plan C1000 Landscape Plan* PCSM1 Post Construction Stormwater Management Plan* Post Construction Stormwater Management Notes and Details* Erosion and Sediment Control Plan | SHEET NO. | DRAWING TITLE |
| C110 Consolidation & Subdivision Plan C121 Consolidation & Subdivision Plan C120 Zoning Map C200 Site Plan* C300 Grading Plan C301 Grading Plan - Road Extension C400 Storm Sewer Plan C410-C411 Storm Sewer Profiles C500 Sanitary Sewer and Utility Plan C510 Sanitary Sewer Profile C600 Building Elevations C601 Floor Plan C602 Building Elevation Cross Section C700 General Notes C700A-C C800 Lighting Plan C1000 Landscape Plan* POSM1 Post Construction Stormwater Management Plan* Post Construction Stormwater Management Notes and Details* Erosion and Sediment Control Plan | C000 | Title Sheet* |
| C111 Consolidation & Subdivision Plan C120 Zoning Map C200 Site Plan* C300 Grading Plan C301 Grading Plan - Road Extension C400 Storm Sewer Plan C410-C411 Storm Sewer Profiles C500 Sanitary Sewer and Utility Plan C510 Sanitary Sewer Profile C600 Building Elevations C601 Floor Plan C602 Building Elevation Cross Section C700 General Notes C700A-C C700A-C Site Details* C800 Lighting Plan C1000 Landscape Plan* POSM1 Post Construction Stormwater Management Plan* Post Construction Stormwater Management Notes and Details* ES1 Erosion and Sediment Control Plan | C100 | Existing Conditions Plan |
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| C200 Site Plan* C300 Grading Plan C301 Grading Plan - Road Extension C400 Storm Sewer Plan C410-C411 Storm Sewer Profiles C500 Sanitary Sewer and Utility Plan C510 Sanitary Sewer Profile C600 Building Elevations C601 Floor Plan C602 Building Elevation Cross Section C700 General Notes C700A-C C700A-C Site Details* C800 Lighting Plan C1000 Landscape Plan* PCSM1 Post Construction Stormwater Management Plan* PCSM2 Fost Construction Stormwater Management Notes and Details* ES1 Erosion and Sediment Control Plan | C111 | Consolidation & Subdivision Plan |
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| C301 C400 Storm Sewer Plan C410-C411 Storm Sewer Profiles C500 Sanitary Sewer and Utility Plan C510 C601 Sewer Profile C601 C602 C700 C700 C700A-C C800 C1000 C100 | C200 | Site Plan* |
| C400 C410-C411 Storm Sewer Plan Storm Sewer Profiles Sanitary Sewer and Utility Plan C510 Sanitary Sewer Profile C600 Building Elevations C601 Floor Plan C602 Building Elevation Cross Section C700 General Notes C700A-C C800 Lighting Plan C1000 Landscape Plan* PCSM1 POST Construction Stormwater Management Plan* POSM2 Fost Construction Stormwater Management Notes and Details* ES1 Erosion and Sediment Control Plan | C300 | Grading Plan |
| C410-C411 C500 Sanitary Sewer and Utility Plan C510 Sanitary Sewer Profile Building Elevations C601 Floor Plan Building Elevation Cross Section C700 General Notes C700A-C Site Details* Lighting Plan C1000 Landscape Plan* PCSM1 PCSM2 Fost Construction Stormwater Management Plan* Post Construction Stormwater Management Notes and Details* ES1 Erosion and Sediment Control Plan | C301 | Grading Plan - Road Extension |
| C500 Sanitary Sewer and Utility Plan C510 Sanitary Sewer Profile C600 Building Elevations C601 Floor Plan C602 Building Elevation Cross Section C700 General Notes C700A-C Site Details* C800 Lighting Plan C1000 Landscape Plan* PCSM1 Post Construction Stormwater Management Plan* PCSM2 Post Construction Stormwater Management Notes and Details* ES1 Erosion and Sediment Control Plan | C400 | Storm Sewer Plan |
| C510 Sanitary Sewer Profile C600 Building Elevations C601 Floor Plan C602 Building Elevation Cross Section C700 General Notes C700A-C Site Details* C800 Lighting Plan C1000 Landscape Plan* PCSM1 Post Construction Stormwater Management Plan* PCSM2 Post Construction Stormwater Management Notes and Details* ES1 Erosion and Sediment Control Plan | C410-C411 | Storm Sewer Profiles |
| C600 Building Elevations C601 Floor Plan C602 Building Elevation Cross Section C700 General Notes C700A-C Site Details* C800 Lighting Plan C1000 Landscape Plan* PCSM1 Post Construction Stormwater Management Plan* PCSM2 Post Construction Stormwater Management Notes and Details* ES1 Erosion and Sediment Control Plan | C500 | Sanitary Sewer and Utility Plan |
| C601 Floor Plan C602 Building Elevation Cross Section C700 General Notes C700A-C Site Details* C800 Lighting Plan C1000 Landscape Plan* PCSM1 Post Construction Stormwater Management Plan* PCSM2 Fost Construction Stormwater Management Notes and Details* ES1 Erosion and Sediment Control Plan | C510 | Sanitary Sewer Profile |
| C602 C700 C700 C700 C700A-C C800 C1000 C10 | C600 | Building Elevations |
| C700A-C Site Details* C800 Lighting Plan C1000 Landscape Plan* PCSM1 Post Construction Stormwater Management Plan* PCSM2 Post Construction Stormwater Management Notes and Details* ES1 Erosion and Sediment Control Plan | C601 | Floor Plan |
| C700A-C C800 C1000 C1000 PCSM1 PCSM2 ES1 Site Details* Lighting Plan Lig | C602 | |
| C800 Lighting Plan C1000 Landscape Plan* PCSM1 Post Construction Stormwater Management Plan* PCSM2 Post Construction Stormwater Management Notes and Details* ES1 Erosion and Sediment Control Plan | C700 | General Notes |
| C1000 Landscape Plan* PCSM1 Post Construction Stormwater Management Plan* PCSM2 Post Construction Stormwater Management Notes and Details* ES1 Erosion and Sediment Control Plan | C700A-C | |
| PCSM1 Post Construction Stormwater Management Plan* PCSM2 Post Construction Stormwater Management Notes and Details* ES1 Erosion and Sediment Control Plan | C800 | |
| PCSM2 Post Construction Stormwater Management Notes and Details* ES1 Erosion and Sediment Control Plan | | Landscape Plan* |
| ES1 Erosion and Sediment Control Plan | PCSM1 | · · · · · · · · · · · · · · · · · · · |
| | | |
| ES2-ES3 Erosion and Sediment Control Plan Notes and Details | | |
| | ES2-ES3 | Erosion and Sediment Control Plan Notes and Details |

*LAND DEVELOPMENT SHEETS TO BE RECORDED

| | Project Uti | lity Compa | nies/Agencies | |
|----------------------------|--|---------------|---------------|--------------|
| Utility Service | Utility Provider | Contact | Email | Telephone# |
| Sanitary Sewer | Municipality of Mt. Lebanon | Keith McGill | | 412-343-3684 |
| Public Water | Pennsylvania American Water Company | Josh Cannon | | 412-854-7612 |
| Electric Service | Duquesne Light Company | Chuck Berkly | | 412-393-2967 |
| Natural Gas | Columbia Gas Company | Tyler Lonchar | | 412-216-6515 |
| Natural Gas Residential | Columbia Gas Company | Brian Dawson | | 412-852-8251 |
| Telephone Service | Verizon | John Gaunt | | 412-237-2290 |
| Cable Television | Comcast | Tim Gazda | | 412-875-1388 |

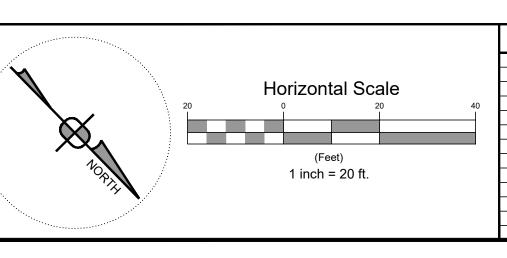


PRESIDENT OF THE COMMISSION





| POCS SER. #: 2017 | |
|--|-----------------------|
| THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. | and the second second |



| Revision Description: | Ву: | Professional Seal | Prepared By: |
|-----------------------|-----|-------------------|--|
| | | | |
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| | | | |
| | | | Sheffler & Company, Inc. |
| | | | |
| | | | ENGINEERING • SURVEYING |
| | | | |
| | | | |
| | | | 1712 Mount Nebo Road Office Phone: 412-219-450 |
| | | | |
| | | | Sewickley, PA 15143 Email: Info@ShefflerCo.cor |
| | | | |
| | | | |

| The Residence at Poplar Residential Development | EXISTING CONDITIONS PLAN |
|---|---|
| Prepared For: | SCALE: SEE GRAPHIC SCALE DESIGNED BY: AGM |
| The Residence at Poplar, LLC | DATE ISSUED: 04/08/2020 REVIEWED BY: GLF |
| Situate In: | PROJECT JOB#: 3681 FIELD BOOK #: |
| Municipality of Mt. Lebanon, Allegheny County, Pennsylvania | CADD#: 3681 - POPLAR - C100 - EX COND.DWG |

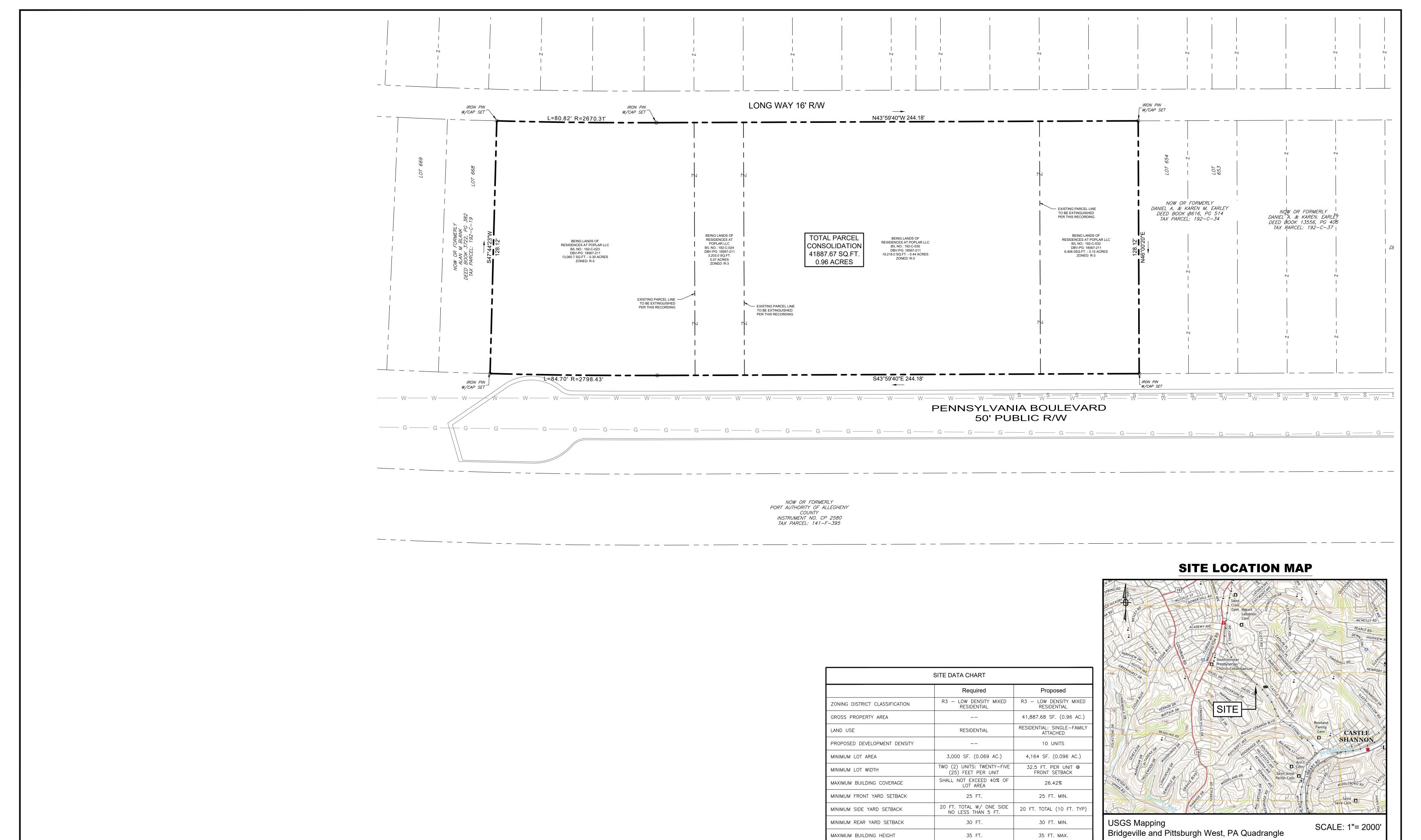
The Residence at Poplar, LLC

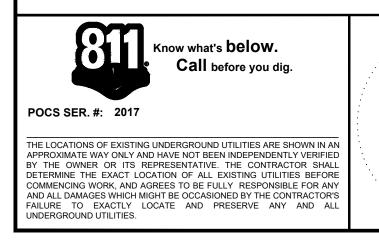
1272 Mars Evans City Road

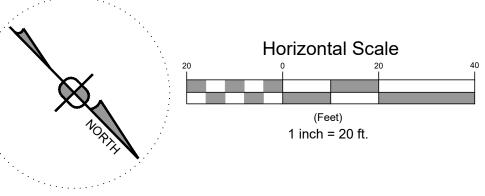
Evans City, PA 16033 Phone: 724-432-3101

Sheet No.

C100

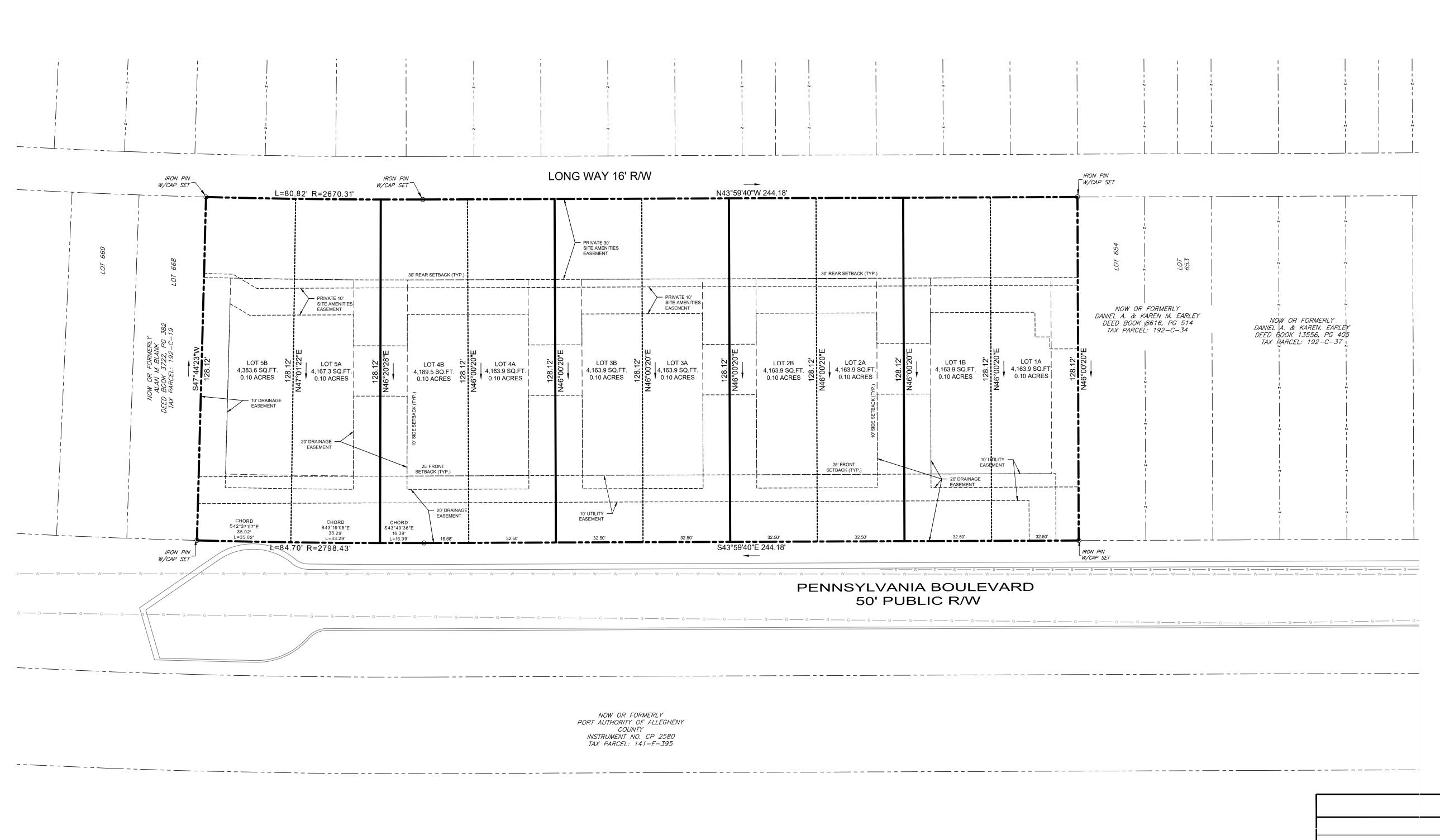




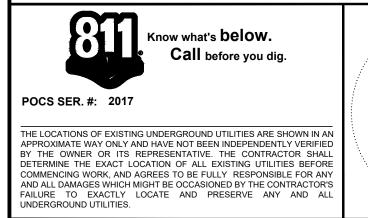


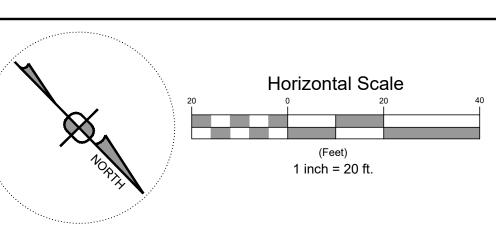
| | Date: | Revision Description: | Ву: | Professional Seal | Prepared By: | |
|---|-------|-----------------------|-----|-------------------|--|--|
| 0 | | | | | Sheffler & Company, Inc. ENGINEERING • SURVEYING 1712 Mount Nebo Road Sewickley, PA 15143 Office Phone: 412-219-4509 Email: Info@ShefflerCo.com | |
| | | | | | | |

| The Residences at Poplar Residential Subdivision | 192-C-023, 192-C | C-024, 192-C-0 | vision of Block & Lot Nos. 030, & 192-C-032 recorded 18567, Page 211. | The Residences at Poplar, LL0 1272 Mars Evans City Road Evans City, PA 16033 Phone: 724-432-3101 |
|---|------------------|----------------|---|--|
| Prepared For: | SCALE: | 1" = 20' | DESIGNED BY: AGM | Sheet No. |
| The Residences at Poplar, LLC | DATE ISSUED: | 04/08/2020 | REVIEWED BY: GLF | |
| Situate In: | PROJECT JOB#: | 3681 | FIELD BOOK #: | C110 |
| Municipality of Mt. Lebanon, Allegheny County, Pennsylvania | CADD#: | | | |



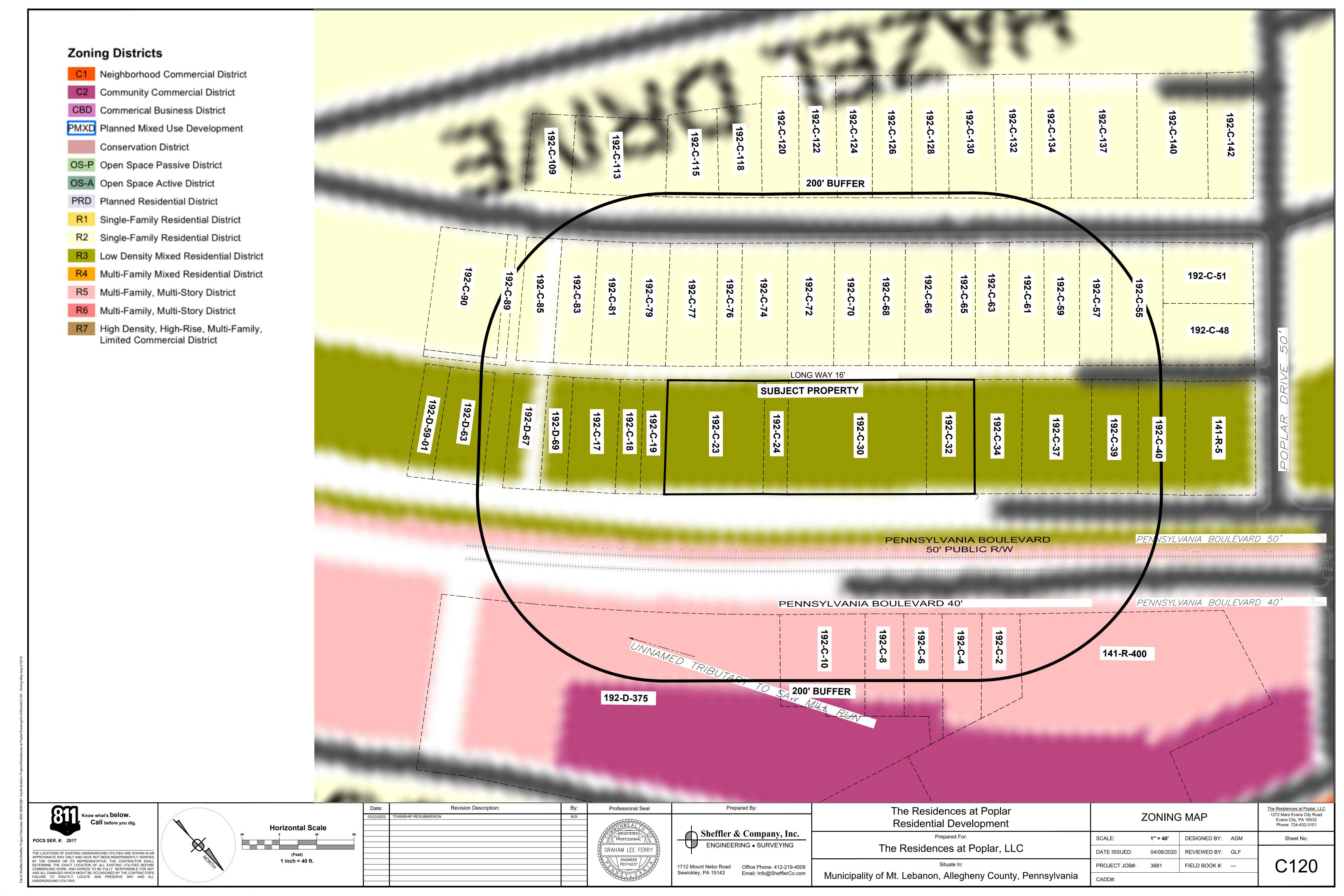
| | SITE DATA CHART | |
|--------------------------------|--|--|
| | Required | Proposed |
| ZONING DISTRICT CLASSIFICATION | R3 — LOW DENSITY MIXED RESIDENTIAL | R3 — LOW DENSITY MIXED RESIDENTIAL |
| GROSS PROPERTY AREA | | 41,887.68 SF. (0.96 AC.) |
| LAND USE | RESIDENTIAL | RESIDENTIAL: SINGLE-FAMIL' ATTACHED |
| PROPOSED DEVELOPMENT DENSITY | | 10 UNITS |
| MINIMUM LOT AREA | 3,000 SF. (0.069 AC.) | 4,164 SF. (0.096 AC.) |
| MINIMUM LOT WIDTH | TWO (2) UNITS: TWENTY-FIVE (25) FEET PER UNIT | 32.5 FT. PER UNIT @ FRONT SETBACK |
| MAXIMUM BUILDING COVERAGE | SHALL NOT EXCEED 40% OF LOT AREA | 26.42% |
| MINIMUM FRONT YARD SETBACK | 25 FT. | 25 FT. MIN. |
| MINIMUM SIDE YARD SETBACK | 20 FT. TOTAL W/ ONE SIDE NO LESS THAN 5 FT. | 20 FT. TOTAL (10 FT. TYP) |
| MINIMUM REAR YARD SETBACK | 30 FT. | 30 FT. MIN. |
| MAXIMUM BUILDING HEIGHT | 35 FT. | 35 FT. MAX. |

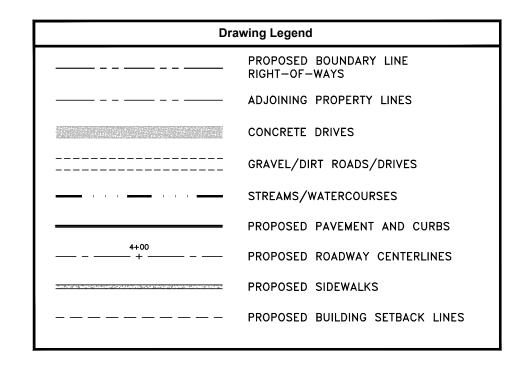




| | Date: | Revision Description: | By: | Professional Seal | Prepared By: | |
|----|-------|-----------------------|-----|---|--|--|
| 40 | | | | C-Ubernlagstent/Desktopiold desktop stuff@uds Surveyor Seal + PA_PG | Sheffler & Company, Inc. ENGINEERING • SURVEYING 1712 Mount Nebo Road Sewickley, PA 15143 Office Phone: 412-219-4509 Email: Info@ShefflerCo.com | |

| | The Residences at Poplar Residential Subdivision | 192-C-023, 192 | -C-024, 192-C-0 | vision of Block & Lo 030, & 192-C-032 re 18567, Page 211. | | The Residences at Poplar, LLC 1272 Mars Evans City Road Evans City, PA 16033 Phone: 724-432-3101 |
|---|---|----------------|-----------------|---|-----|--|
| - | Prepared For: The Residences at Poplar, LLC | SCALE: | 1" = 20' | DESIGNED BY: | AGM | Sheet No. |
| | The Residences at Fopial, LLO | DATE ISSUED: | 04/08/2020 | REVIEWED BY: | GLF | |
| | Situate In: | PROJECT JOB#: | 3681 | FIELD BOOK #: | | C111 |
| l | Municipality of Mt. Lebanon, Allegheny County, Pennsylvania | CADD#: | | | | |





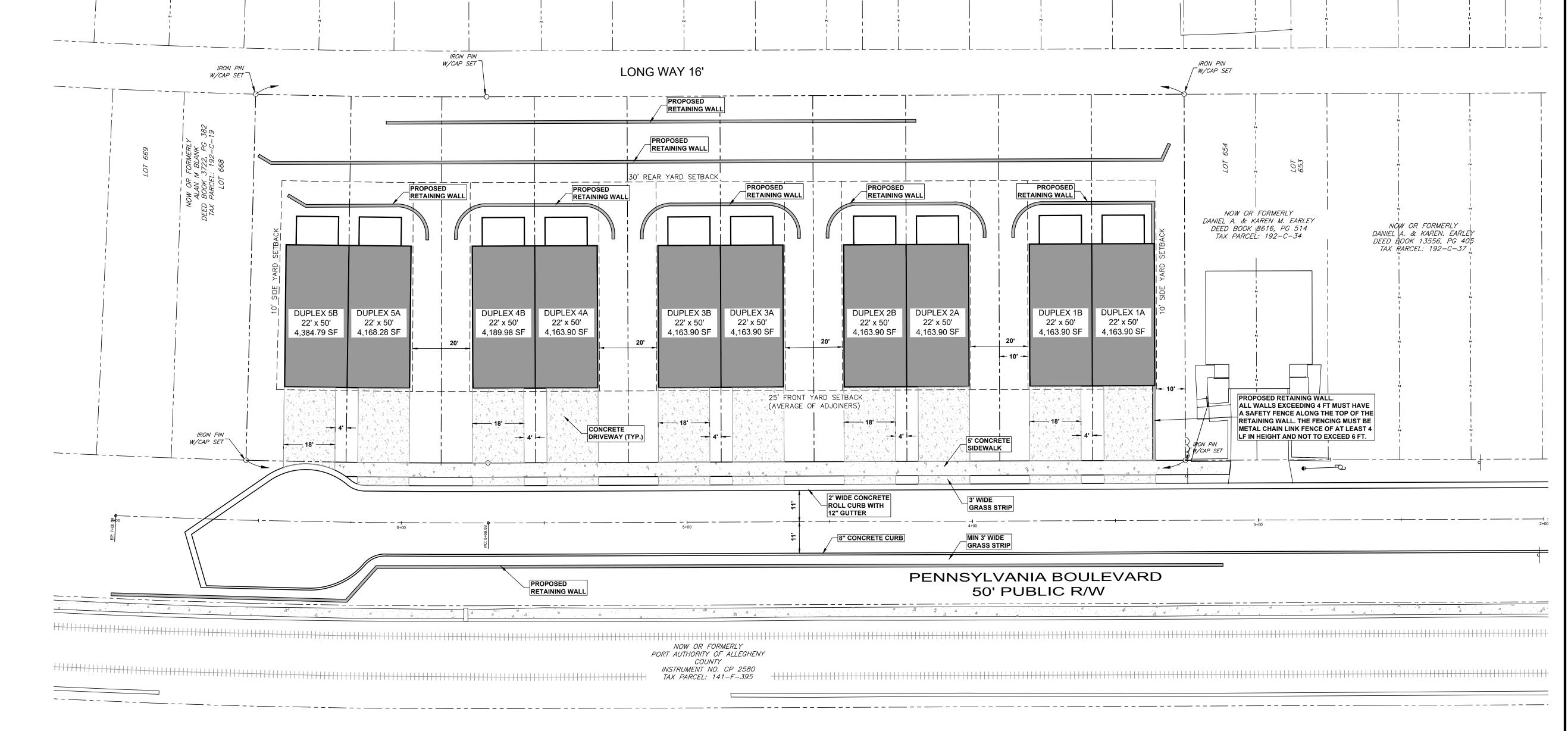
| | Required | Proposed |
|--------------------------------|--|---------------------------------------|
| ZONING DISTRICT CLASSIFICATION | R3 — LOW DENSITY MIXED RESIDENTIAL | R3 — LOW DENSITY MIXED RESIDENTIAL |
| GROSS PROPERTY AREA | | 41,887.68 SF. (0.96 AC.) |
| LAND USE | RESIDENTIAL | RESIDENTIAL: SINGLE—FAMIL ATTACHED |
| PROPOSED DEVELOPMENT DENSITY | | 10 UNITS |
| MINIMUM LOT AREA | 3,000 SF. (0.069 AC.) | 4,164 SF. (0.096 AC.) |
| MINIMUM LOT WIDTH | TWO (2) UNITS: TWENTY-FIVE (25) FEET PER UNIT | 32.5 FT. PER UNIT @ FRONT SETBACK |
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| MINIMUM FRONT YARD SETBACK | 25 FT. | 25 FT. MIN. |
| MINIMUM SIDE YARD SETBACK | 20 FT. TOTAL W/ ONE SIDE NO LESS THAN 5 FT. | 20 FT. TOTAL (10 FT. TYF |
| MINIMUM REAR YARD SETBACK | 30 FT. | 30 FT. MIN. |
| MAXIMUM BUILDING HEIGHT | 35 FT. | 35 FT. MAX. |

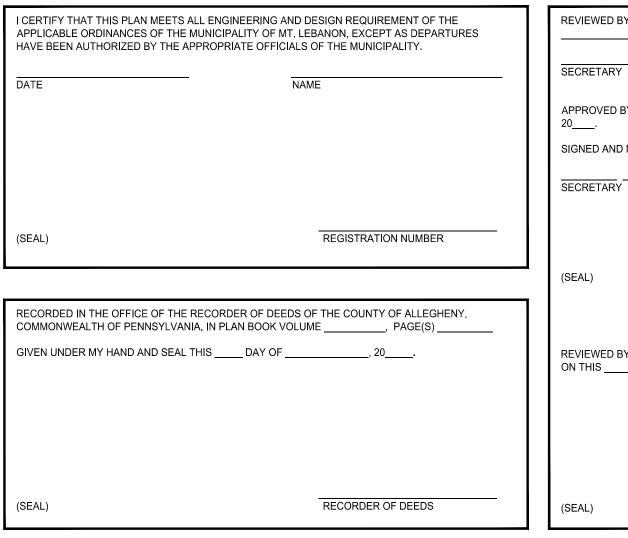
Parking Requirements as per Zoning Ordinance Chapter XX, Part 8 Requirements Applying to All Districts • Required: 2.0 parking spaces for every (1) dwelling unit. 2.0 x 10 dwelling units = 20 spaces required.

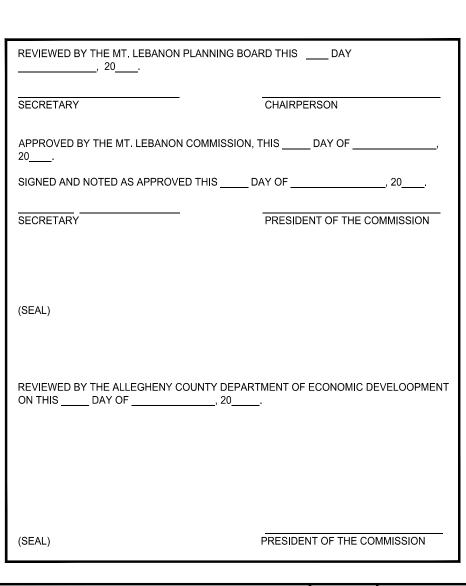
Proposed: 2.0 x 10 dwelling units = 20 spaces provided.

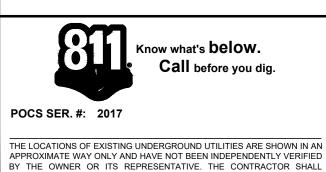
- Compliance of Building Massing as per Zoning Ordinance Chapter XX 705.1.1.1

 The total square footage of the Primary Facade of the Dwelling unit shall not exceed 135% of the average square footage of the facades facing the street of the Dwelling Units within 200' on the block frontage.
- Proposed: 44' W x 33' H = 1,452 SF
- Average Facade within 200': 1,158 SF
- Average Facade within 200' x 135%: 1,158 SF x 135% = 1,563.3 SF
- Proposed Compared to Average Facade within 200' x 135%: 1,452 SF < 1,563.3 SF







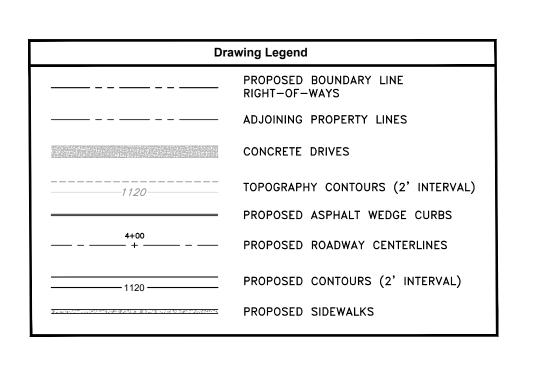


DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

| 20 | orizon | tal Scale | 4 |
|--------|-----------------|-----------|---|
| 10,877 | (Fe 1 inch : | | |

| Date: | Revision Description: | Ву: | Professional Seal | Prepared By: |
|------------|-----------------------|-----|--|--|
| 03/22/2022 | TOWNSHIP RESUBMISSION | BJS | REGISTERED PROFESSIONAL GRAHAM LEE FERRY ENGINEER PE074237 | Sheffler & Company, Inc. ENGINEERING • SURVEYING 1712 Mount Nebo Road Sewickley, PA 15143 Office Phone: 412-219-4509 Email: Info@ShefflerCo.com |

| The Residences at Poplar Residential Development | SITE PLAN | | The Residences at Poplar, LLC 1272 Mars Evans City Road Evans City, PA 16033 Phone: 724-432-3101 | | |
|---|---------------|------------|--|-----|-----------|
| Prepared For: | SCALE: | 1" = 20' | DESIGNED BY: | AGM | Sheet No. |
| The Residences at Poplar, LLC | DATE ISSUED: | 04/08/2020 | REVIEWED BY: | GLF | |
| Situate In: | PROJECT JOB#: | 3681 | FIELD BOOK #: | | C200 |
| Municipality of Mt. Lebanon, Allegheny County, Pennsylvania | CADD#: | | | | |

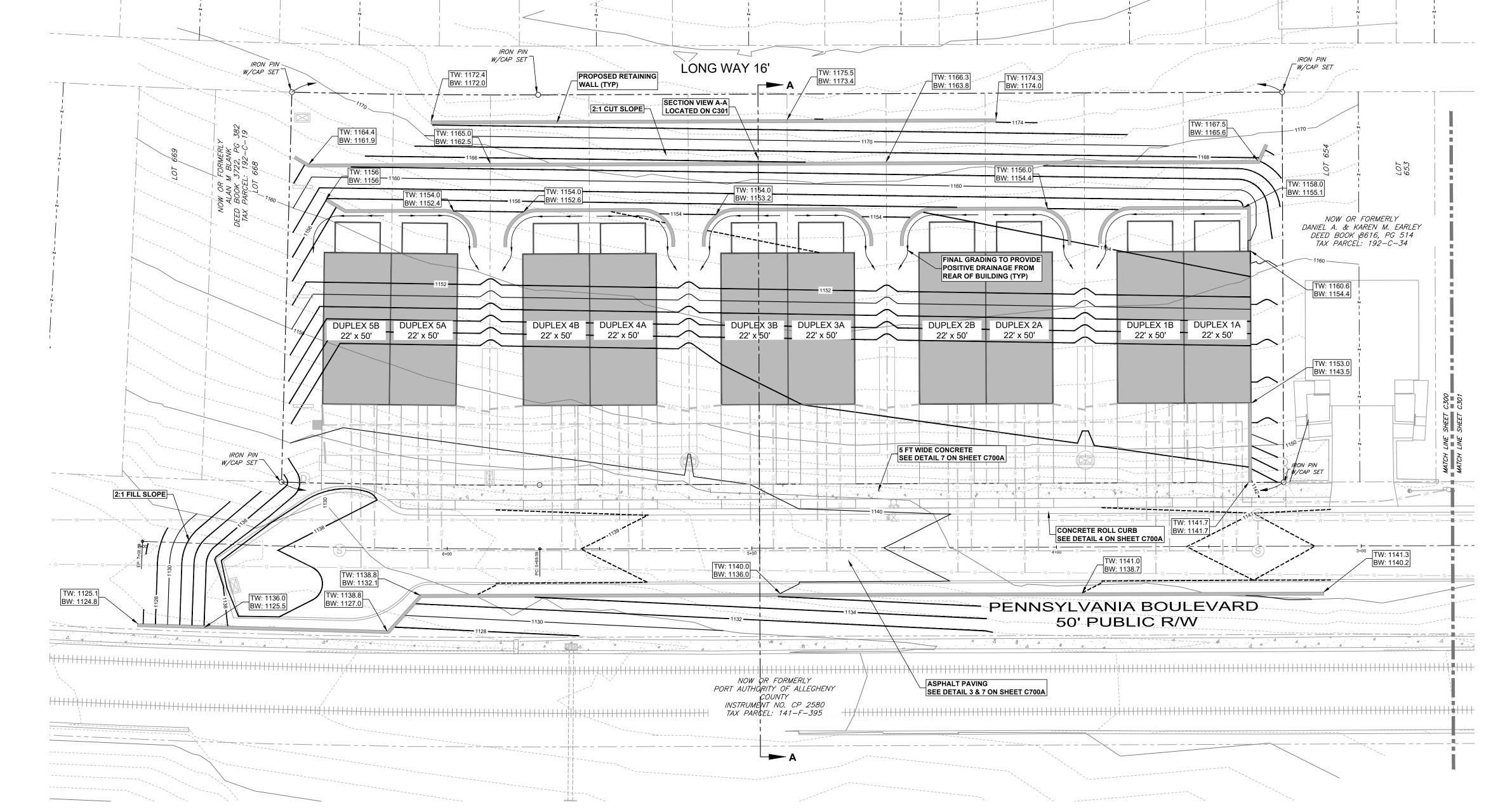


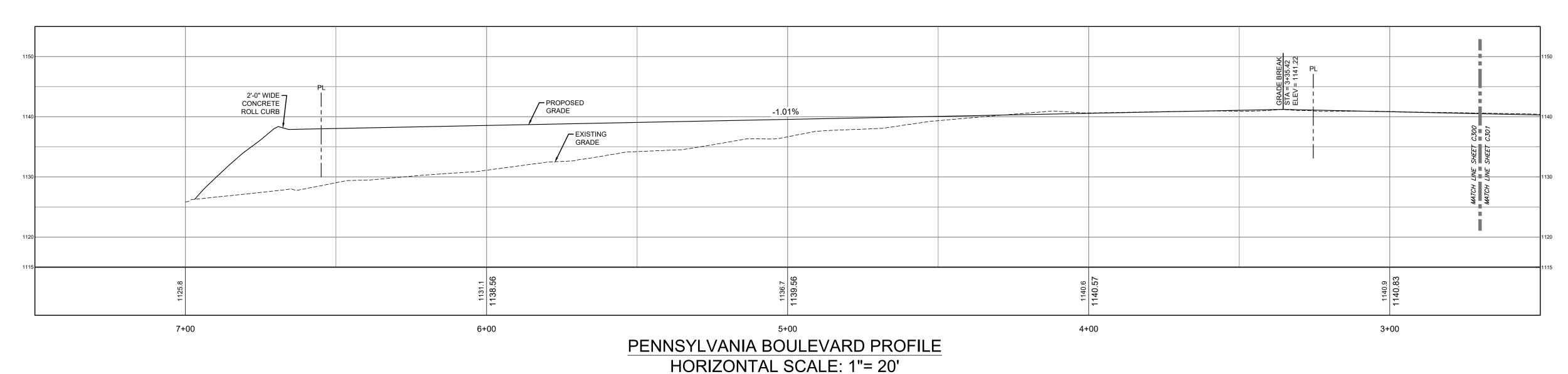
ESTIMATED EARTHWORK QUANTITIES

- CUT = 13,163 CYS
- FILL = 2,404 CYS
- NET = 10,759 CYS EXCESS MATERIAL

NOTES

- EXISTING SURFACE USED IN THIS COMPARISON WAS
- LOWERED BY 4" TO REPRESENT THE REMOVAL OF TOPSOIL
 THE PROPOSED GRADE USED IN THIS COMPARISON IS TO THE FINAL GRADE ELEVATION EXCEPT IN THE AREA OF THE DUPLEX'S, WHICH IS TO THE BOTTOM FLOOR ELEVATION.





VERTICAL SCALE: 1"=10'

Know what's below.
Call before you dig.

POCS SER. #: 2017

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN

APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL

BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

Horizontal Scale

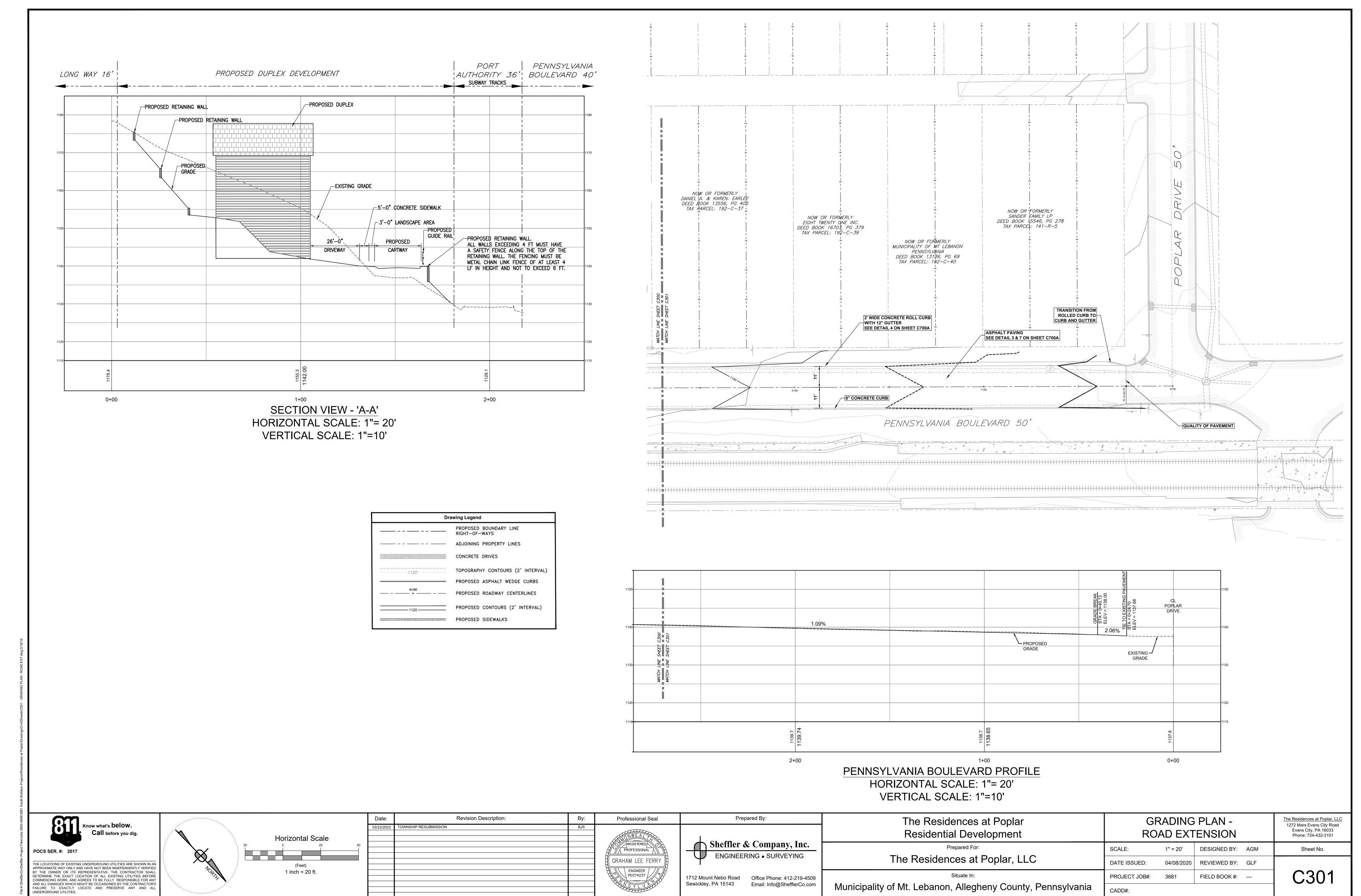
20
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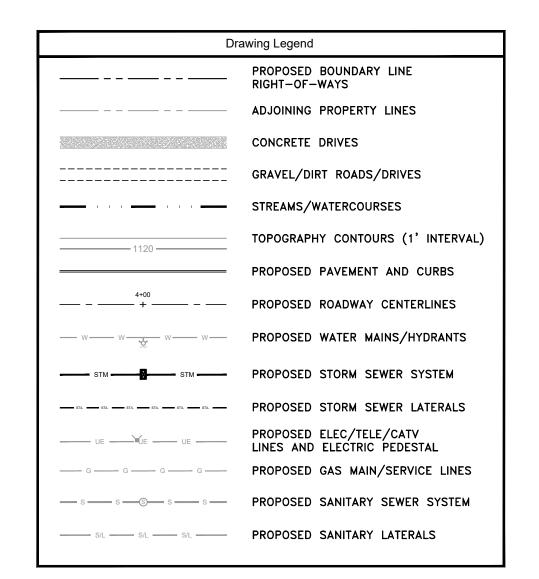
(Feet)
1 inch = 20 ft.

| Date: | Revision Description: | Ву: | Pro |
|------------|-----------------------|-----|--------|
| 03/22/2022 | TOWNSHIP RESUBMISSION | BJS | |
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| | | | H.M. |
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| Professional Seal | Prep | pared By: |
|-------------------------------------|---|---|
| NWEAL REGISTERED PROFESSIONAL | Sheffler & | & Company, Inc. |
| GRAHAM LEE FERRY | U ENGINEER | RING • SURVEYING |
| PE074237 | 1712 Mount Nebo Road Sewickley, PA 15143 | Office Phone: 412-219-45 Email: Info@ShefflerCo.co |

| The Residences at Poplar Residential Development | GRADING PLAN | | | | The Residences at Poplar, L 1272 Mars Evans City Roa Evans City, PA 16033 Phone: 724-432-3101 |
|--|---------------|------------|---------------|-----|--|
| Prepared For: | SCALE: | 1" = 20' | DESIGNED BY: | AGM | Sheet No. |
| The Residences at Poplar, LLC | DATE ISSUED: | 04/08/2020 | REVIEWED BY: | GLF | |
| Situate In: | PROJECT JOB#: | 3681 | FIELD BOOK #: | | C300 |
| unicipality of Mt. Lebanon, Allegheny County, Pennsylvania | CADD#: | | | | |





Roof Drain Sizing Chart

THE SITE CONTRACTOR SHALL INSTALL ROOF DRAIN COLLECTION PIPES PER THE FOLLOWING MINIMUM CONDITIONS.

ONE (1) SINGLE-FAMILY LOT TRIBUTARY TO COLLECTION PIPE: MINIMUM - 6" DIAMETER PVC

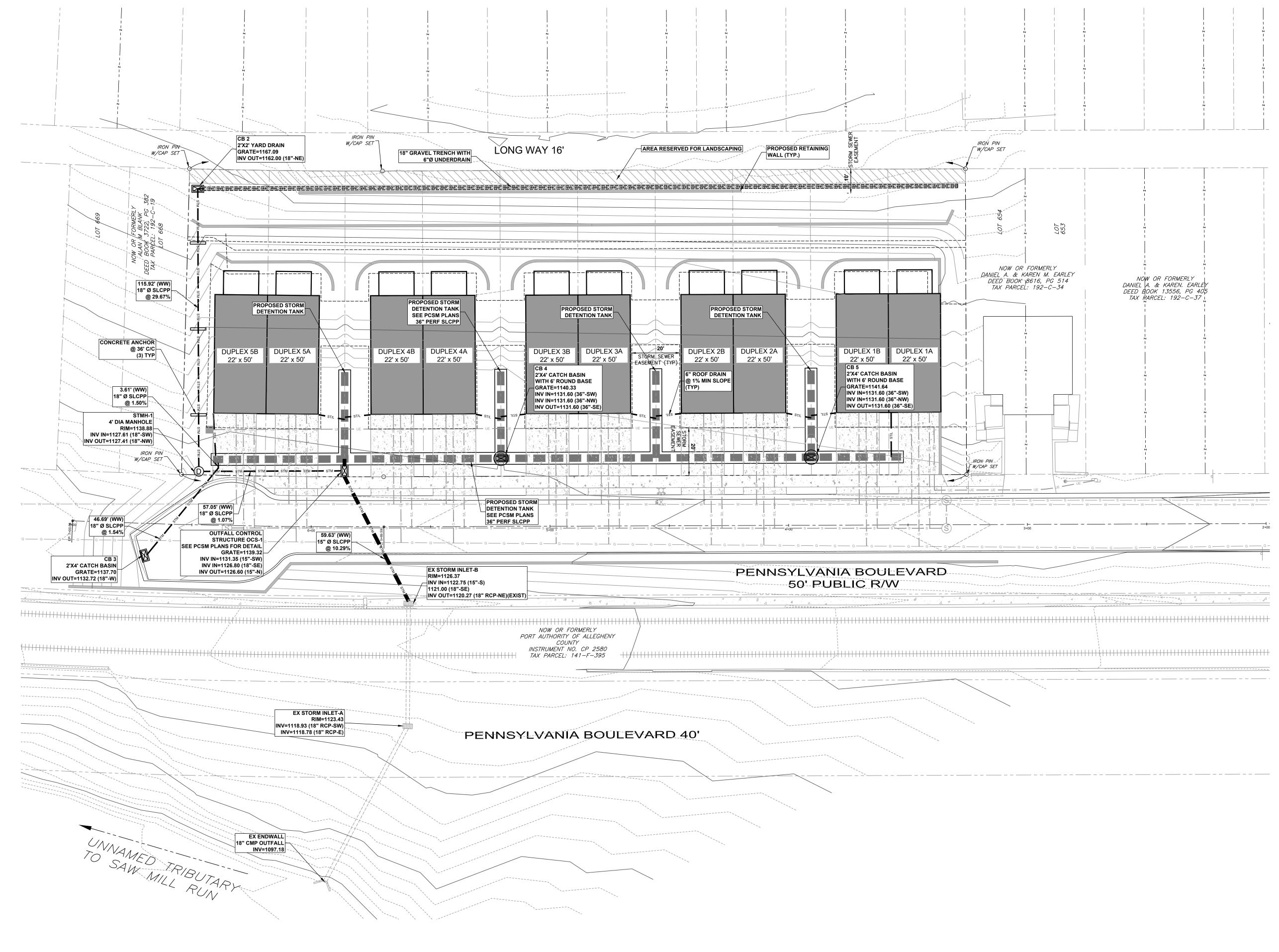
TWO TO THREE (2-3) SINGLE-FAMILY LOTS TRIBUTARY TO COLLECTION PIPE:

MINIMUM - 8" DIAMETER PVC FOUR TO NINE (4-9) SINGLE-FAMILY LOTS TRIBUTARY TO COLLECTION PIPE: MINIMUM - 12" DIAMETER SLCP

TEN TO FIFTEEN (10-15) SINGLE-FAMILY LOTS TRIBUTARY TO COLLECTION PIPE: MINIMUM – 15" DIAMETER SLCP

THE MINIMUM SLOPE FOR ALL ROOF DRAIN LATERALS AND ROOF DRAIN COLLECTION PIPES SHALL BE 1.0%. THIS REQUIREMENT SHALL BE FOR ALL PIPE SIZES. ALL PIPING SHALL BE INSTALLED WITH A MAXIMUM DEFLECTION ANGLE OF 5 DEGREES IN BOTH THE HORIZONTAL AND VERTICAL DIRECTION.

ANY DEVIATION OR MODIFICATIONS FROM THE CONDITIONS EXPRESSED HEREIN REQUIRES APPROVAL OF THE OWNER, ENGINEER, AND TOWNSHIP PRIOR TO PROCEEDING WITH WORK.

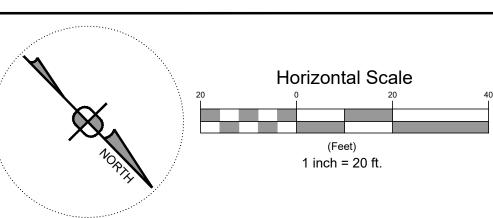




THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL

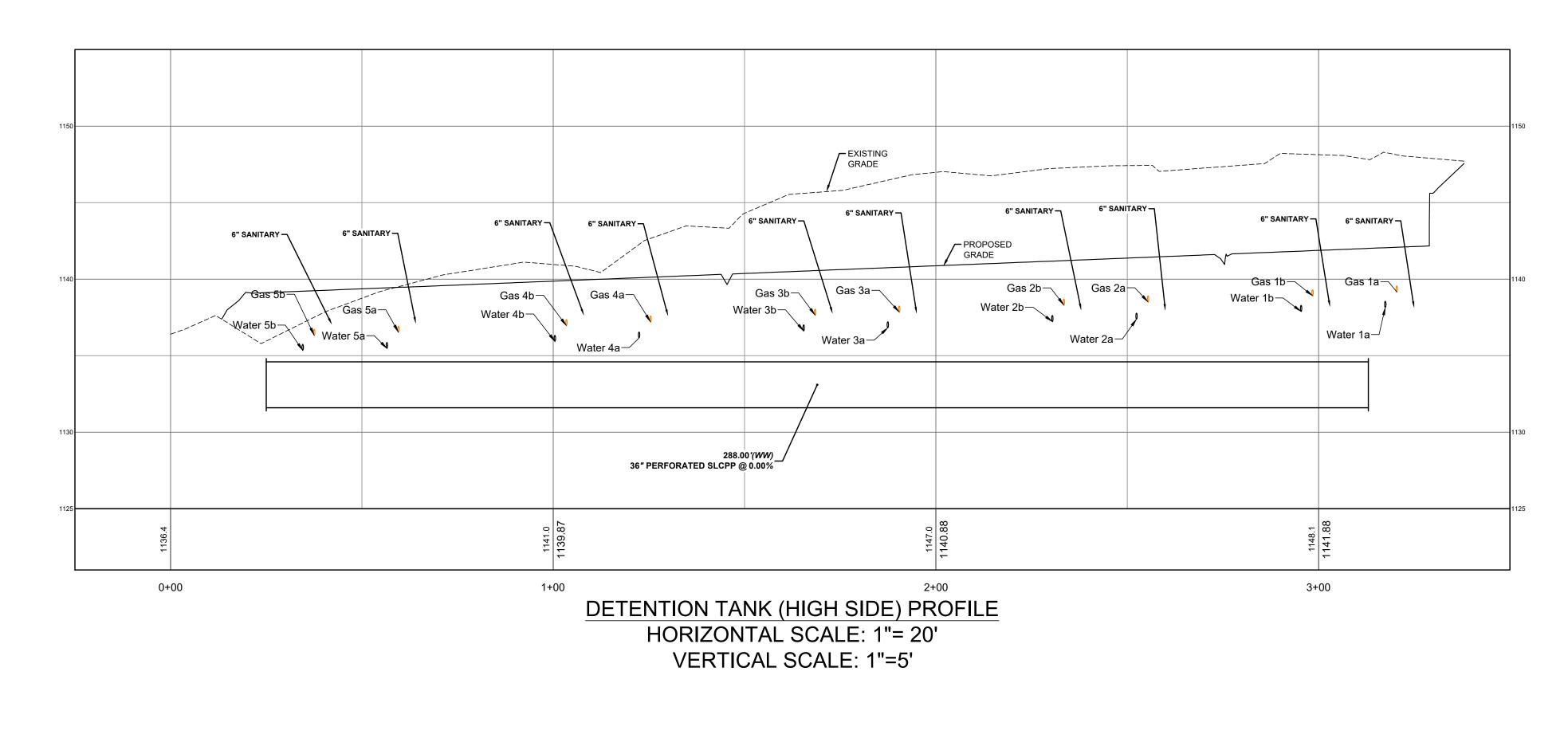
DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S

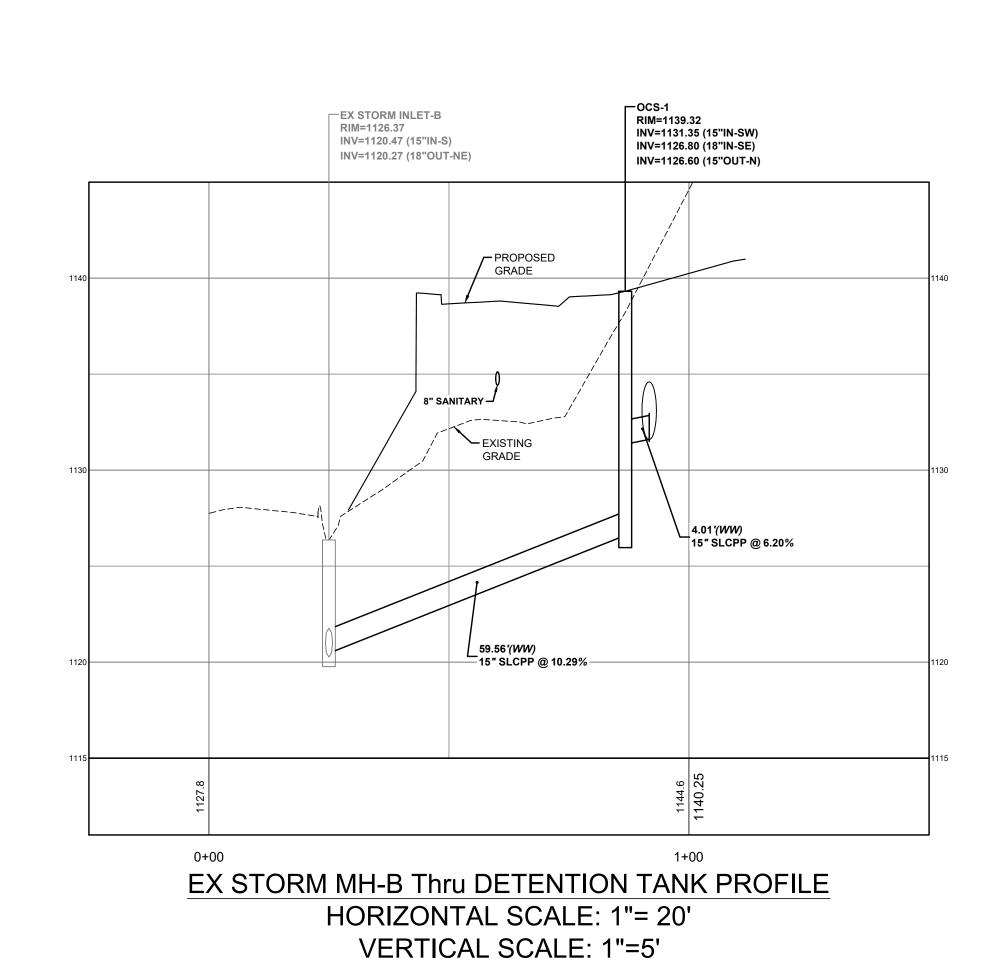
FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

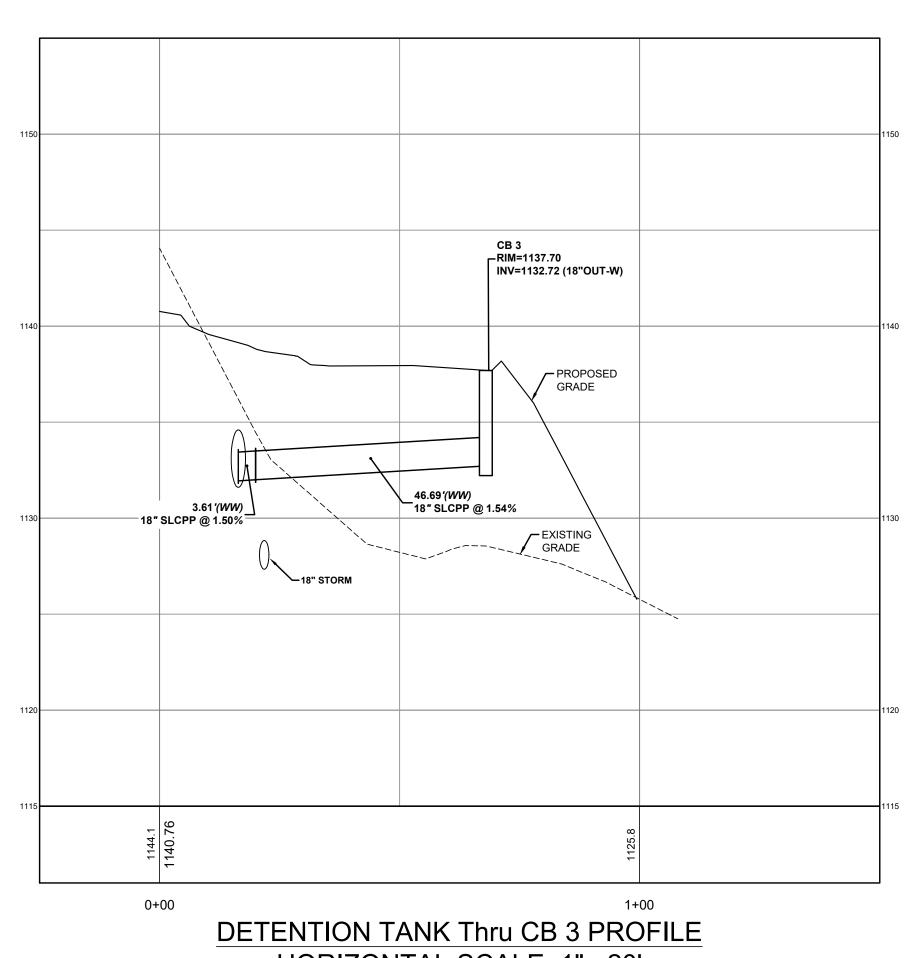


| e: | Revision Description: | Ву: | Professional Seal | Prepared By: |
|------|-----------------------|-----|--|--|
| 2022 | TOWNSHIP RESUBMISSION | BJS | REGISTERED PROFESSIONAL GRAHAM LEE FERRY ENGINEER PE074237 | Sheffler & Company, Inc. ENGINEERING • SURVEYING 1712 Mount Nebo Road Sewickley, PA 15143 Office Phone: 412-219-4509 Email: Info@ShefflerCo.com |

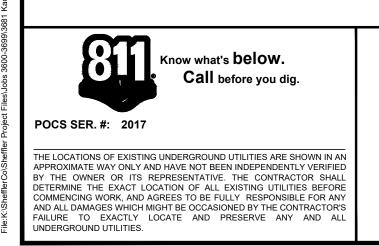
| The Residences at Poplar Residential Development | STORM SEWER PLAN | | The Residences at Poplar, LLC 1272 Mars Evans City Road Evans City, PA 16033 Phone: 724-432-3101 | | |
|---|------------------|------------|--|-----|-----------|
| Prepared For: | SCALE: | 1" = 20' | DESIGNED BY: | AGM | Sheet No. |
| The Residences at Poplar, LLC | DATE ISSUED: | 04/08/2020 | REVIEWED BY: | GLF | |
| Situate In: | PROJECT JOB#: | 3681 | FIELD BOOK #: | | C400 |
| Municipality of Mt. Lebanon, Allegheny County, Pennsylvania | CADD#: | | | | |







HORIZONTAL SCALE: 1"= 20' VERTICAL SCALE: 1"=5"



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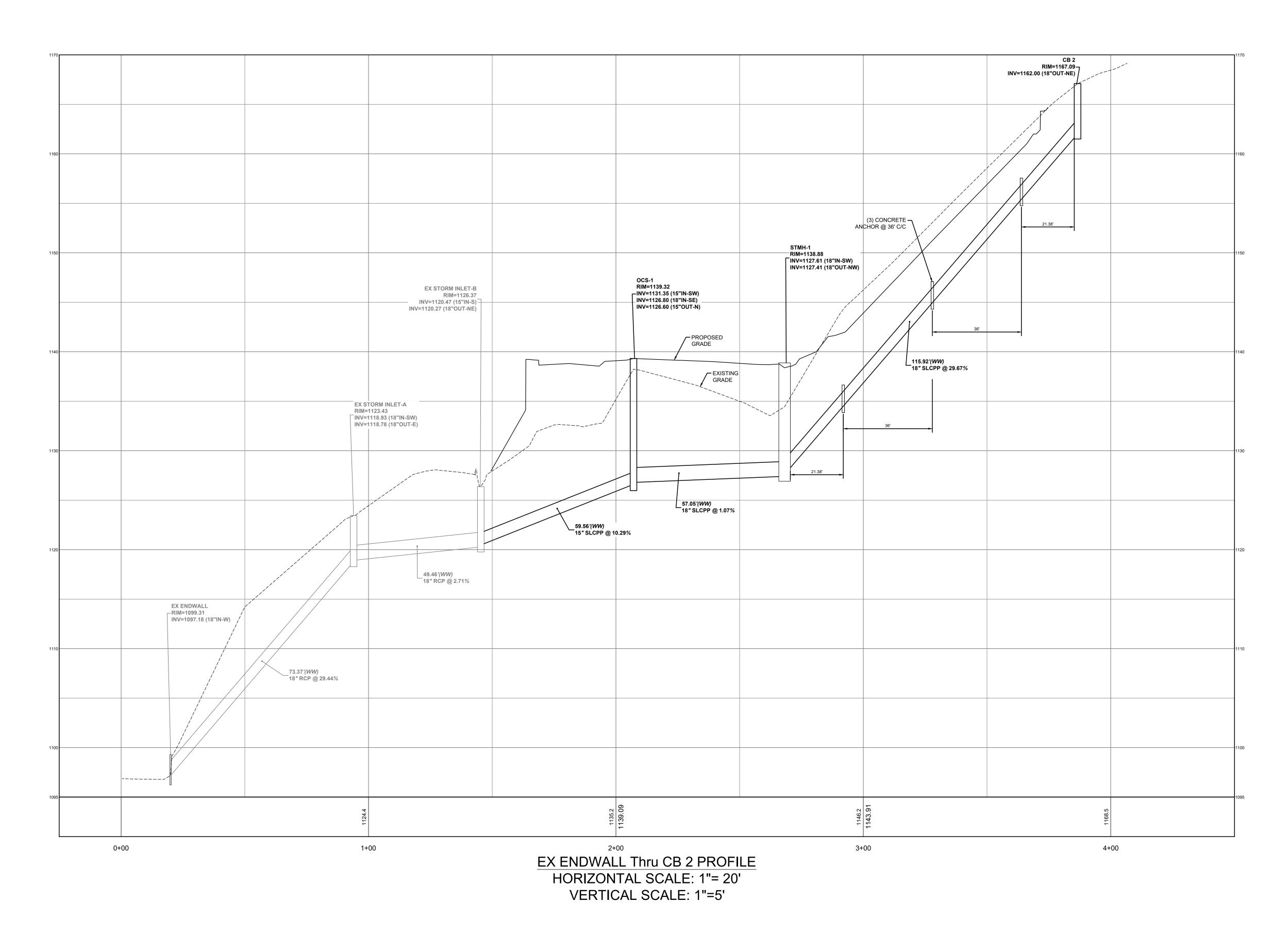
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| REGISTERED PROFESSIONAL GRAHAM LEE FERRY ENGINEER PE074237 | Shef ENC 1712 Mount Nebo Sewickley, PA 15 |
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| | I | G • SURVEYING | |
| <i>\$</i> | 0 111 54 15440 | Office Phone: 412-219-4509 mail: Info@ShefflerCo.com | |

| The Residences at Poplar Residential Development | STORM SEWE | R PROFILES | The Residences at Poplar, LLC 1272 Mars Evans City Road Evans City, PA 16033 Phone: 724-432-3101 |
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| Prepared For: | SCALE: SEE GRAPHIC SCALE | DESIGNED BY: AGM | Sheet No. |
| The Residences at Poplar, LLC | DATE ISSUED: 04/08/2020 | REVIEWED BY: GLF | |
| Situate In: | PROJECT JOB#: 3681 | FIELD BOOK #: | C410 |
| Municipality of Mt. Lebanon, Allegheny County, Pennsylvania | CADD#: | | |



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Horizontal Scale (Feet) 1 inch = 20 ft. Vertical Scale (Feet) 1 inch = 5 ft.

Date: Revision Description:

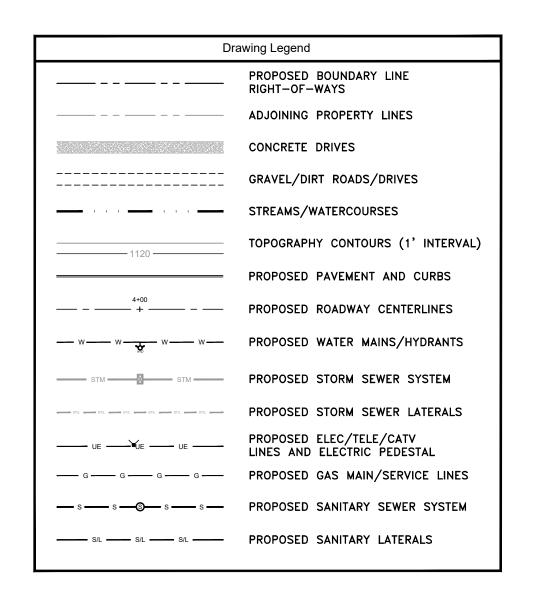
Professional Seal REGISTERED PROFESSIONAL GRAHAM LEE FERRY ENGINEER PE074237

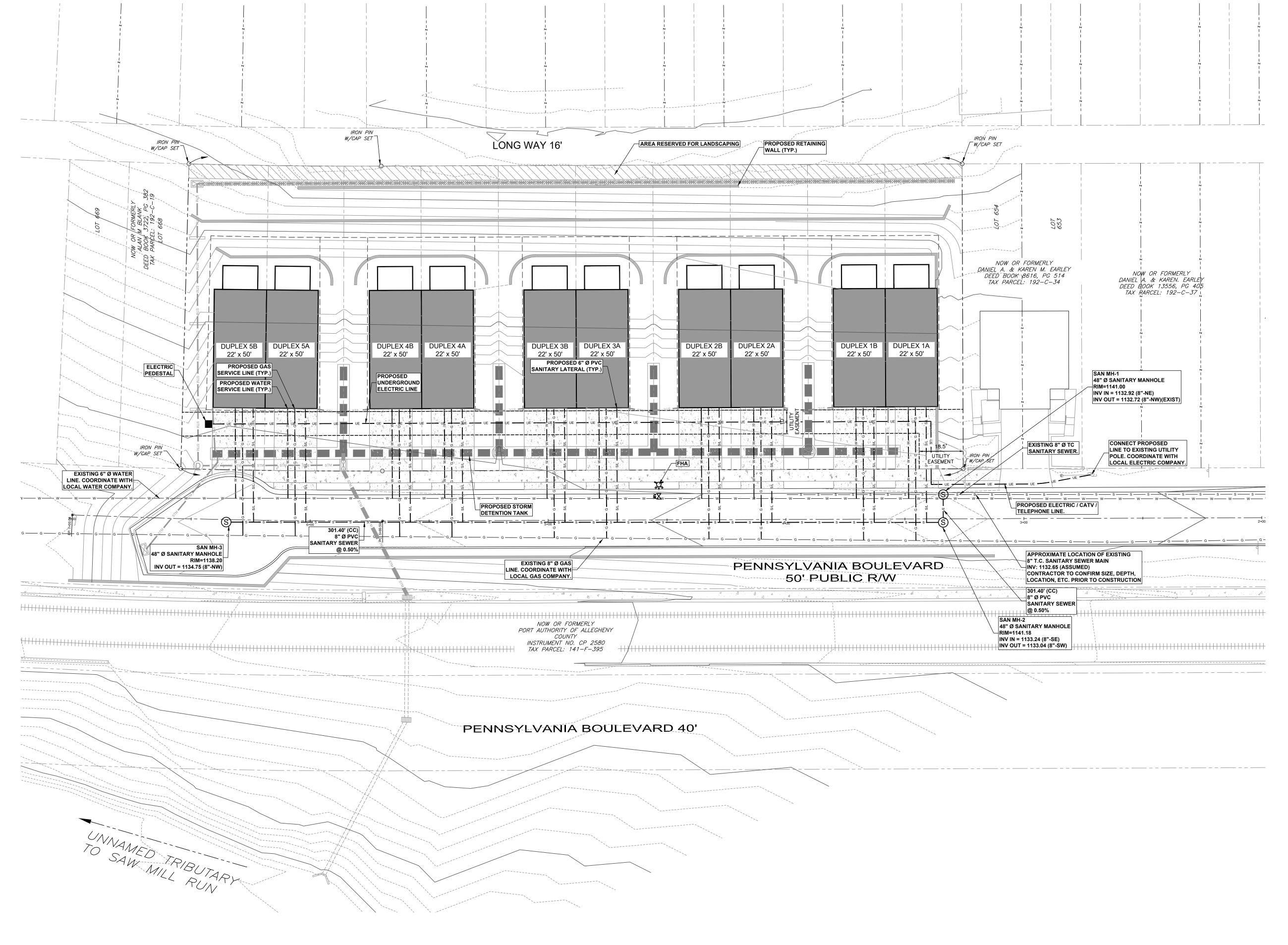
Prepared By: Sheffler & Company, Inc. ENGINEERING • SURVEYING 1712 Mount Nebo Road Office Phone: 412-219-4509 Sewickley, PA 15143 Email: Info@ShefflerCo.com Email: Info@ShefflerCo.com

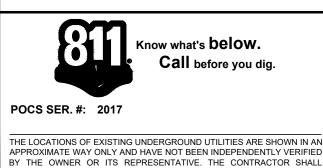
The Residences at Poplar Residential Development The Residences at Poplar, LLC Municipality of Mt. Lebanon, Allegheny County, Pennsylvania

The Residences at Poplar, LLC
1272 Mars Evans City Road
Evans City, PA 16033
Phone: 724-432-3101 STORM SEWER PROFILES SCALE: SEE GRAPHIC SCALE DESIGNED BY: AGM Sheet No. DATE ISSUED: 04/08/2020 | REVIEWED BY: GLF FIELD BOOK #: ---PROJECT JOB#: CADD#:

C411







BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

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| | Revision Description: | Ву: | Professional Seal | Prepared By: |
|----|-----------------------|-----|--|--|
| 22 | TOWNSHIP RESUBMISSION | BJS | REGISTERED PROFESSIONAL GRAHAM LEE FERRY ENGINEER PE074237 | Sheffler & Company, Inc. ENGINEERING • SURVEYING 1712 Mount Nebo Road Sewickley, PA 15143 Office Phone: 412-219-4509 Email: Info@ShefflerCo.com |
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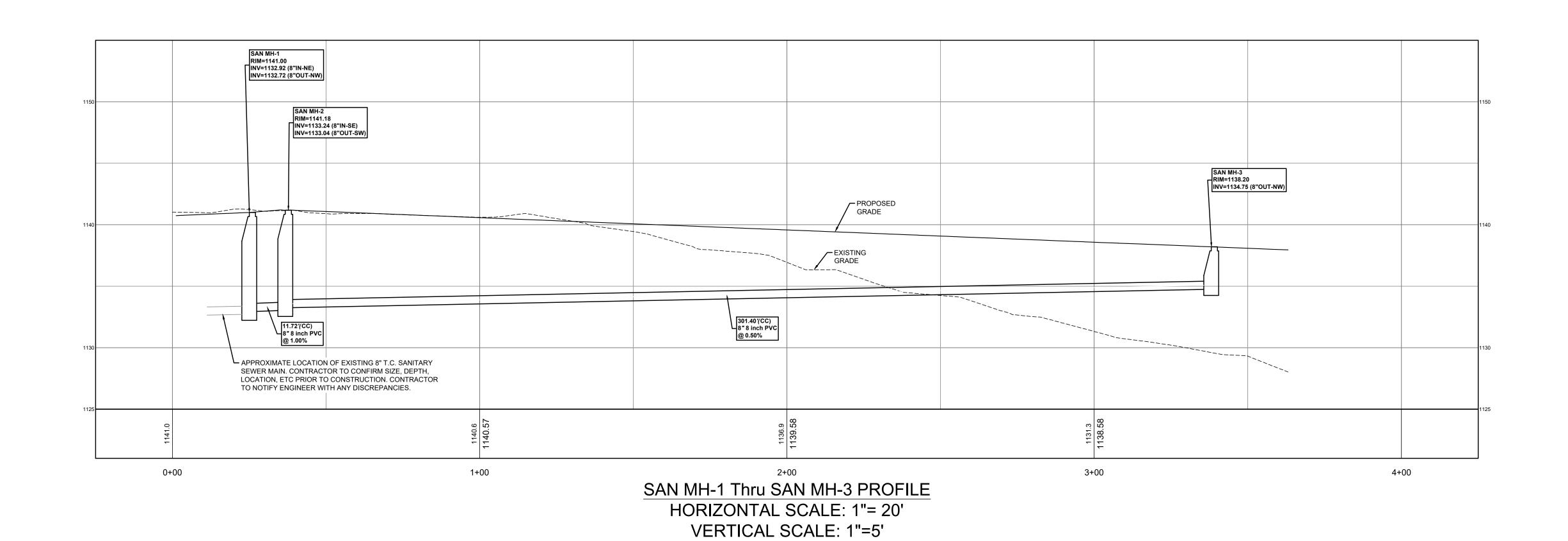
| The Residences at Poplar Residential Development | SANITARY SEWER AND UTILITY PLAN | | | | |
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| Prepared For: | SCALE: | 1" = 20' | DESIGNED BY: | AGM | |
| The Residences at Poplar, LLC | DATE ISSUED: | 04/08/2020 | REVIEWED BY: | GLF | |
| Situate In: | PROJECT JOB#: | 3681 | FIELD BOOK #: | | |
| Municipality of Mt. Lebanon, Allegheny County, Pennsylvania | CADD#: | | | | |

The Residences at Poplar, LLC

Phone: 724-432-3101

Sheet No.

1272 Mars Evans City Road Evans City, PA 16033



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| PROFESSIONAL GRAHAM LEE FERRY ENGINEER PE074237 | Sheffler & Company, Inc. ENGINEERING • SURVEYING 1712 Mount Nebo Road Sewickley, PA 15143 Office Phone: 412-219-4509 Email: Info@ShefflerCo.com |
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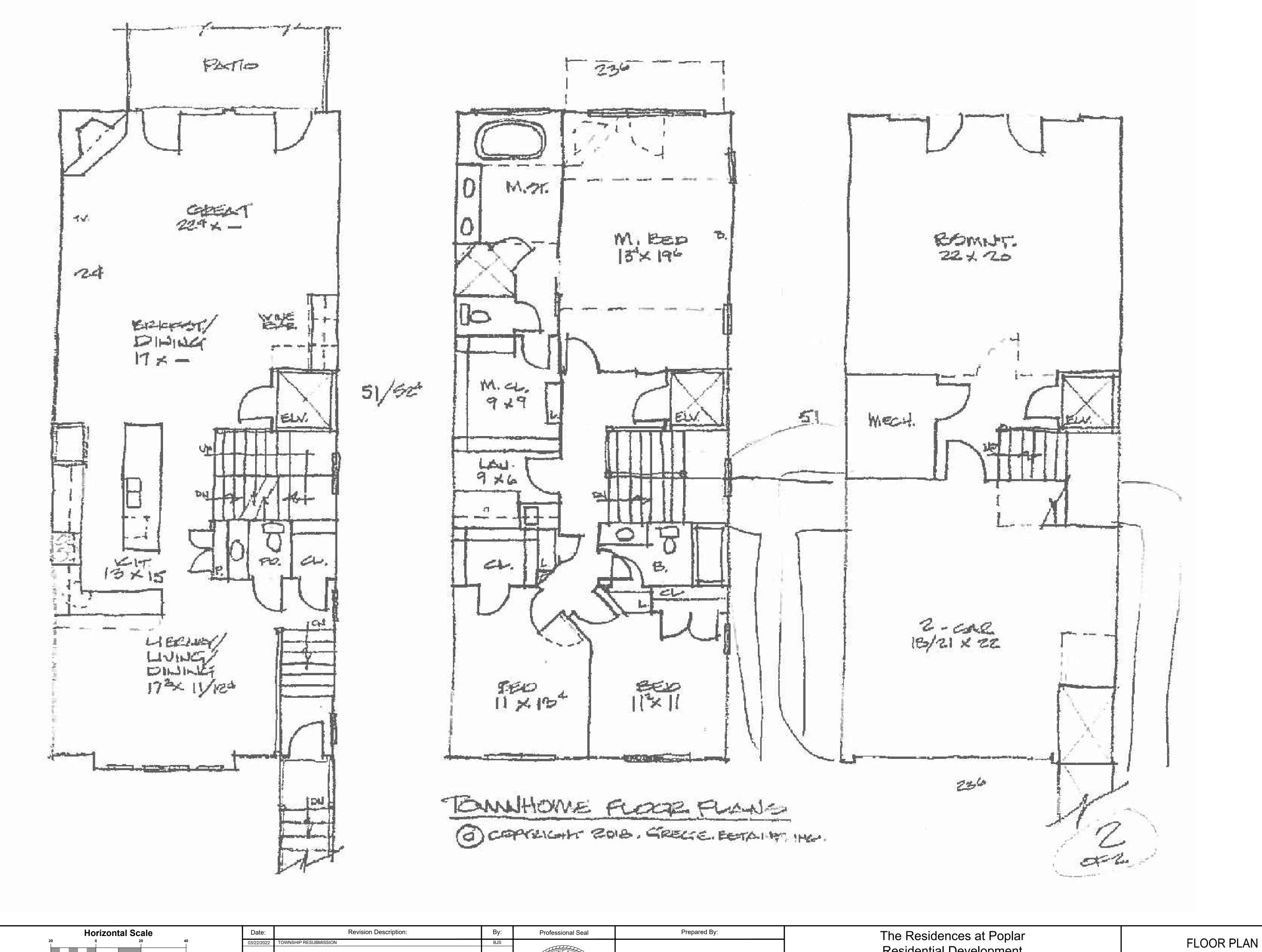
| The Residences at Poplar Residential Development | SANITARY SEV | The Residences at Poplar, LLC 1272 Mars Evans City Road Evans City, PA 16033 Phone: 724-432-3101 | |
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| Prepared For: | SCALE: SEE GRAPHIC SCALE | DESIGNED BY: AGM | Sheet No. |
| The Residences at Poplar, LLC | DATE ISSUED: 04/08/2020 | REVIEWED BY: GLF | |
| Situate In: | PROJECT JOB#: 3681 | FIELD BOOK #: | C510 |
| Municipality of Mt. Lebanon, Allegheny County, Pennsylvania | CADD#: | | |



EXTERIOR FINSHES.

- ALL DWELLINGS CONSTRUCED ON ANY LOT IN THE PLAN SHALL BE FINISHED WITH SUITABLE EXTERIOR BUILDING MATERIALS SUCH AS
 - HARDIE-PLANK SIDING OR EQUAL, BRINK OR STONE.
 - ALL FINISHED MATERIALS MUST EXTEND TO GRADE, WITH NO EXPOSED BLOCK FOUNDATIONS.
 - ALL DWELLING SHALL OF A MINIMUM OF BRICK TO GRADE

| | Date: | | Revision Description: | Ву: | Professional Seal | Prepared By: | The Residences at Poplar | | | | The Residences at Poplar, LLC 1272 Mars Evans City Road Evans City, PA 16033 Phone: 724-432-3101 |
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| Know what's below. Call before you dig. | 03/22/2022 | 22 TOWNSHIP RESUBM | BMISSION | BJS | | | Residential Development | | BUILDING ELEVATIONS | | |
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| THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED | | | | | | ENGINEERING • SURVEYING | The Residences at Poplar, LLC | DATE ISSUED: | 04/08/2020 | REVIEWED BY: GLF | |
| BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY | | | | | | 1712 Mount Nebo Road Office Phone: 412-219-4509 | Situate In: | PROJECT JOB#: | 3681 | FIELD BOOK #: | C600 |
| AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. | NTRACTOR'S AND ALL | | | | | Sewickley, PA 15143 Email: Info@ShefflerCo.com | Municipality of Mt. Lebanon, Allegheny County, Pennsylvania | CADD#: | | | |



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| REGISTERED PROFESSIONAL GRAHAM LEE FERRY ENGINEER PE074237 | Sheffler & ENGINEER | & Company, Inc. RING • SURVEYING Office Phone: 412-219-4509 |
| N S Y L Y A THE | Sewickley, PA 15143 | Email: Info@ShefflerCo.com |
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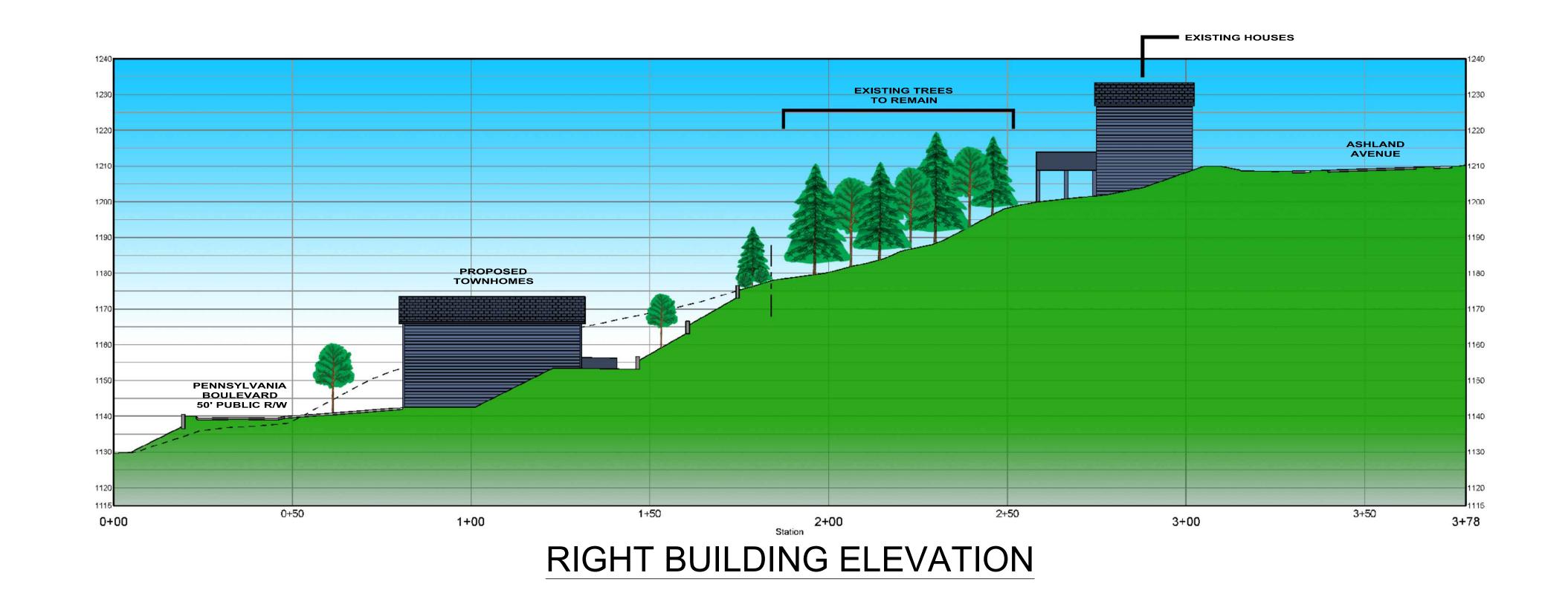
Residential Development The Residences at Poplar, LLC

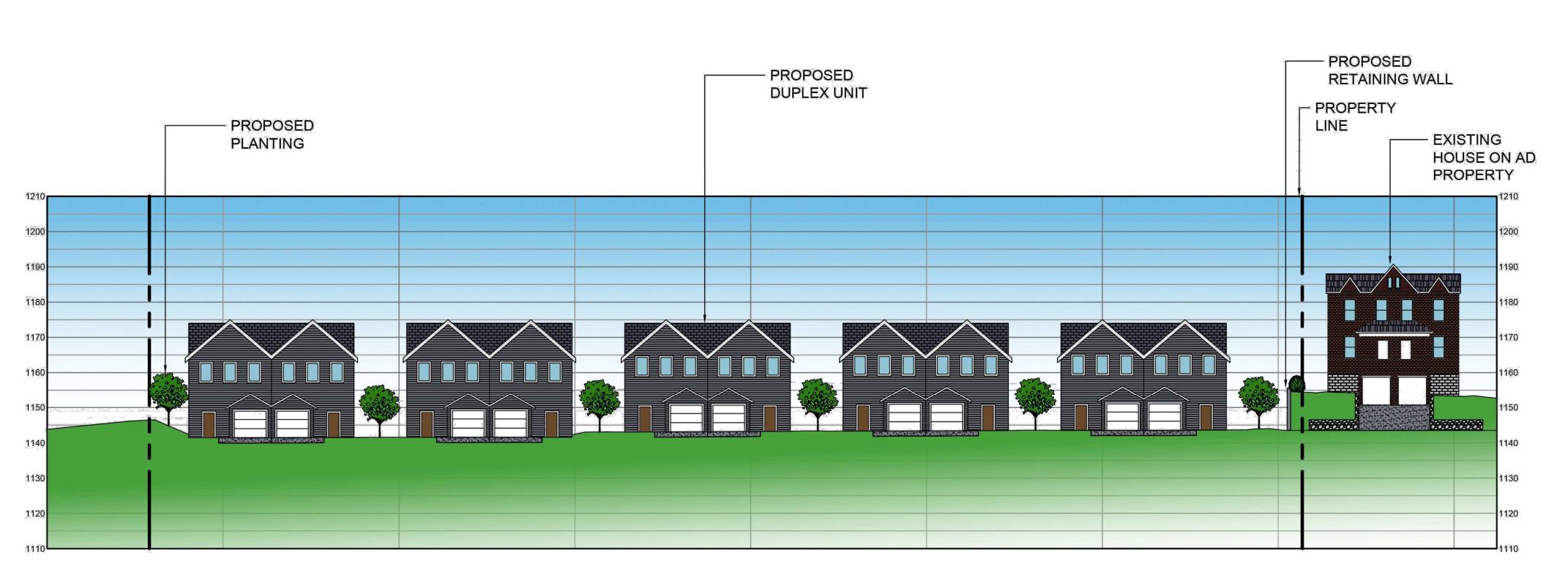
Municipality of Mt. Lebanon, Allegheny County, Pennsylvania

Evans City, PA 16033 Phone: 724-432-3101 DESIGNED BY: AGM 1" = 20' SCALE: DATE ISSUED: 04/08/2020 | REVIEWED BY: GLF C601 PROJECT JOB#: FIELD BOOK #: ---CADD#:

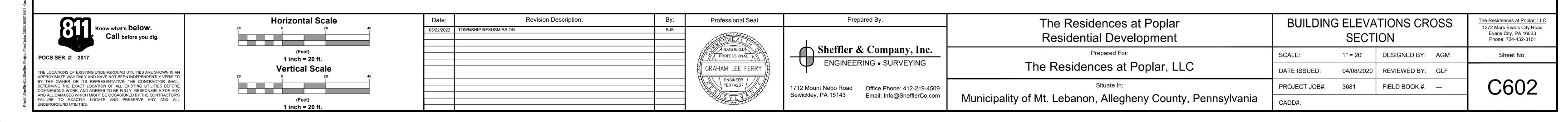
The Residences at Poplar, LLC
1272 Mars Evans City Road

Sheet No.





FRONT BUILDING ELEVATION



- CONTRACTOR IS REQUIRED TO CONTACT PA ONE CALL AT 811 NO LESS THAN 3 WORKING DAYS AND NO MORE THAN 10 WORKING DAYS BEFORE STARTING ANY DIGGING, DRILLING, BLASTING, OR ANY OTHER RELATED CONSTRUCTION ACTIVITIES. PENNSYLVANIA ACT 187 REQUIRES NOTIFICATION BY CONTRACTORS PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH OF PA. THE CONTRACTOR SHALL BE REQUIRED TO CONTACT THE PENNSYLVANIA ONE CALL SYSTEM, INC. @ 811.
- 2. DO NOT SCALE THIS DRAWING AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
- 3. ALL CONSTRUCTION ACTIVITIES TO CONFORM TO CURRENT STATE, COUNTY AND MUNICIPALITY BUILDING CODES.
- 4. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO STARTING ANY CONSTRUCTION ACTIVITIES AND NOTIFY ENGINEER OF ANY DIFFERENCES.
- LOCATIONS OF EXISTING UTILITIES AND STRUCTURES WERE TAKEN FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND PROTECTING ALL EXISTING UTILITIES BEFORE STARTING CONSTRUCTION ACTIVITIES. FURTHER, THIS FIRM IS NOT RESPONSIBLE FOR ANY UNDERGROUND OR OVERHEAD CONDITIONS, INCLUDING THOSE NOT SHOWN WHICH WOULD IN ANY WAY INTERFERE WITH THE CONSTRUCTION ACTIVITIES
- RELOCATION OF ANY UTILITIES IS TO BE AT THE CONTRACTOR EXPENSE AND COMPLETED WITH THE SITE WORK. ALL NEW UTILITY LINE INSTALLATIONS MUST BE UNDERGROUND.
- 7. THE CONTRACTOR SHALL INSTALL UTILITIES TO THE LIMITS Su u u HOWN ON THE CONSTRUCTION PLANS
- ALL CONCRETE WORK SHALL CONFORM WITH MUNICIPALITY, COUNTY AND STATE STANDARDS.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WITH MATCHING MATERIALS ANY EXISTING PAVEMENT, DRIVEWAYS, WALKWAYS, CURBS AND ETC. THAT MUST BE CUT OR IS IN ANYWAY DAMAGED DURING CONSTRUCTION.
- 10. IT IS THE INTENT OF THESE DRAWINGS TO SHOW ALL NECESSARY WORK, THE COMPLETION OF WHICH WILL RENDER THEM ELIGIBLE FOR ACCEPTANCE INTO THE MUNICIPALITY AND / OR STATE ROAD SYSTEM. ANY ITEM OF WORK NOT SPECIFICALLY SHOWN, BUT NECESSARY FOR SUCH ELIGIBILITY FOR ACCEPTANCE, IS HEREBY IMPLIED.
- 11. REQUIRED STATE AND OR MUNICIPALITY PERMITS MUST BE OBTAINED PRIOR TO STARTING ANY CONSTRUCTION WORK WITHIN ANY PUBLIC
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF ALL SEDIMENT AND EROSION
- 13. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SECURE ALL NECESSARY PERMITS AND APPROVALS FOR ANY CHANGES OR REVISIONS TO THE APPROVED PLANS.
- ALL HANDICAP ACCESSIBLE SITE FEATURES SHALL BE CONSTRUCTED TO MEET ALL FEDERAL, STATE AND LOCAL CODES.
- 15. ANY DISCREPANCY IN THIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO START OF CONSTRUCTION. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL SETBACKS, EASEMENTS, AND DIMENSIONS SHOWN HEREON BEFORE BEGINNING CONSTRUCTION.
- 16. PRIOR TO STARTING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION OF ANY ITEM SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED ALL PLANS AND ANY OTHER DOCUMENTATION FROM ALL OF THE PERMITTING AND ANY OTHER REGULATORY AUTHORITIES. FAILURE OF THE CONTRACTOR TO FOLLOW THIS PROCEDURE SHALL CAUSE THE CONTRACTOR TO ASSUME FULL RESPONSIBILITY FOR ANY SUBSEQUENT MODIFICATION OF THE WORK MANDATED BY ANY REGULATORY AUTHORITY. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH PERMITS ISSUED AND APPLICABLE STATE, COUNTY AND LOCAL CODES.
- 17. THE GENERAL CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES AND RIGHT-OF-WAYS, PUBLIC OR PRIVATE, PRIOR TO
- 18. CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.
- 19. ACCESS TO UTILITIES, FIRE HYDRANTS, STREET LIGHTING, ETC., SHALL REMAIN UNDISTURBED, UNLESS COORDINATED WITH RESPECTIVE
- 20. CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL INSIDE OR OUTSIDE CONTRACT LIMITS DUE TO CONSTRUCTION OPERATIONS.
- 21. THE GENERAL CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT AND AT LEAST ONCE A WEEK DURING CONSTRUCTION.
- 22. THE GENERAL CONTRACTOR SHALL KEEP THE AREA OUTSIDE THE "CONSTRUCTION LIMITS" BROOM CLEAN AT ALL TIMES. ALL STREET SURFACES, DRIVEWAYS, CULVERTS, CURB AND GUTTERS, ROADSIDE DRAINAGE DITCHES AND OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED OR REPAIRED IN ACCORDANCE WITH THE
- 23. FINISH CURB AND WALK ELEVATIONS SHALL BE 6" ABOVE FINISH PAVEMENT GRADE UNLESS NOTED DIFFERENT ON PLAN.
- 24. CONTRACTOR SHALL ENSURE THAT ADEQUATE SITE LIGHTING IS PROVIDED PER OWNER'S SPECIFICATIONS.
- 25. ALL RADII DIMENSIONS ARE TO FACE OF CURB. PARKING LOT DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- 26. ALL UTILITIES TO SERVICE BUILDING SHALL BE UNDERGROUND ON SITE, UNLESS OTHERWISE INDICATED.
- 27. ALL DISTURBED AREAS SHALL HAVE TEMPORARY SEEDING AND MULCHING. ALL AREAS THAT ARE PLANNED TO BE BARE FOR MORE THAN 45 DAYS SHALL BE SEEDED AND MULCHED WITHIN SEVEN (7) DAYS.
- 28. ALL LOT STRIPING AND DIRECTIONAL ARROWS TO BE WHITE REFLECTIVE MARKINGS AND SHALL CONFORM TO PENNDOT REGULATIONS
- 29. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL REVIEW ALL PLANS AND SPECIFICATIONS AND THE JOB SITE THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER WHO PREPARED THE PLANS OF ANY DISCREPANCIES THAT MAY REQUIRE MODIFICATIONS TO THESE PLANS OR OF ANY FIELD CONFLICTS
- 30. ALL PERMITS RELATIVE TO THE PROJECT MUST BE OBTAINED, PRIOR TO CONSTRUCTION. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH
- PERMITS ISSUED AND APPLICABLE STATE, COUNTY AND LOCAL CODES 31. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL BUILDING DIMENSIONS.
- 32. SEEDING, TEMPORARY AND PERMANENT, TO BE INSTALLED TO LOCAL REGULATIONS AND STANDARD PRACTICES.
- ROAD WORK SHALL BE PERFORMED IN ACCORDANCE WITH "THE CURRENT EDITION OF THE STATE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS SPECIFICATIONS".
- 34. QUANTITIES SHOWN OR IMPLIED ON THESE PLANS ARE FOR ESTIMATION PURPOSES ONLY.
- 35. CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, CONTRACTOR FURTHER AGREES TO DEFEND. INDEMNIFY, AND HOLD THE OWNER AND DESIGN PROFESSIONAL HARMLESS OF ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, ACCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR DESIGN PROFESSIONAL
- 36. ALL DEBRIS FROM DEMOLITION OF EXISTING STRUCTURES AND SITE PREPARATION SUCH AS RUBBISH, STUMPS, DEBRIS, ETC., SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY

SEWER AND UTILITY NOTES

- 1. UTILITY INFORMATION SHOWN HEREON WAS OBTAINED FROM THE BEST AVAILABLE SOURCE AND MAY OR MAY NOT BE EITHER ACCURATE OR COMPLETE. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXACT LOCATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION AND IS RESPONSIBLE FOR ANY DAMAGE TO ANY UTILITIES, EITHER PUBLIC OR PRIVATE, SHOWN HEREON OR NOT SHOWN HEREON. ANY REPAIRS SHALL BE DONE TO THE SATISFACTION OF THE APPROPRIATE UTILITY COMPANY
- 2. THE GENERAL CONTRACTOR SHALL CONFIRM ALL NEW UTILITY TAP LOCATIONS WITH THE UTILITY OWNERS. ALL FEES SHALL BE THE RESPONSIBILITY OF DEVELOPER.
- 3. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY THE ACTUAL LOCATION AND AVAILABILITY OF ALL EXISTING AND PROPOSED UTILITIES IN THE FIELD PRIOR TO GROUND BREAKING.
- 4. ALL SANITARY SEWER PIPE LENGTHS AS SHOWN ON THE PLANS ARE FROM CENTER TO CENTER OF STRUCTURE AND ALL STORM SEWER PIPES LENGTHS ARE FROM WALL OF STRUCTURE UNLESS OTHERWISE NOTED ON PLANS.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR PERMITS AND/OR APPROVALS NECESSARY FOR ANY WORK IN ROADWAY OR RIGHT-OF-WAY.
- 6. ALL TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH TRENCH BACKFILL DETAIL SHOWN ON THESE PLANS. MINIMUM COVER FOR CONDUITS SHALL BE 36" UNLESS OTHERWISE SHOWN OR NOTED ON THESE PLANS.
- 8. ALL MANHOLES, VALVES, AND MONUMENT FRAMES SHALL BE SET TO FINISH GRADE AFTER PAVING.
- THE CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE STATE CONSTRUCTION SAFETY ORDERS. TRENCHES SHALL BE SHORED IN ACCORDANCE WITH OSHA.
- 10. THE MINIMUM SLOPE FOR SANITARY SEWER LINES SHALL BE AS FOLLOWS: 1) 1/4"/FT FOR 4" LINES AND 2) 1/8"/FT FOR 6" LINES. CLEANOUTS SHALL BE PLACED AT 75' INTERVALS.
- 11. CABLE TV SERVICE ROUTING IS NOT PART OF THIS PLAN, CONTRACTOR TO COORDINATE WITH CABLE COMPANY.

- 12. EXISTING MANHOLES SHOULD BE FIELD VERIFIED FOR RIMS AND INVERTS
- 13. ALL INSTALLATION OF UTILITIES MUST BE PERFORMED IN ACCORDANCE WITH UTILITY COMPANY STANDARDS AND SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR THE INDIVIDUAL UTILITY COMPANIES PRIOR TO THE START OF WORK.
- 14. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND, WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE PROJECT ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING AROUND OR NEAR UTILITIES.
- 15. ALL WORK SHALL BE GOVERNED BY THE LATEST EDITIONS OF THE STATE MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION, BUILDING CODE, ENERGY CONSERVATION, HANDICAP ACCESSIBILITY, NATIONAL ELECTRICAL CODES AND NATIONAL FIRE PROTECTION ASSOCIATION CODES AND AS ADOPTED BY THE AUTHORITIES HAVING JURISDICTION.
- 16. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL INSPECTIONS, CERTIFICATIONS, EQUIPMENT, ETC., THAT MAY BE REQUIRED.
- 17. THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS/METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.
- 18. OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING 5 FEET IN DEPTH.
- 19. EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED
- PROFESSIONAL ENGINEER. 20. EQUIPMENT AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED PROVIDED PRIOR APPROVAL HAS BEEN OBTAINED FROM THE OWNER IN WRITING PRIOR TO ORDERING OR INSTALLATION. THE CONTRACTOR SHALL WAIVE ANY CLAIM FOR ADDITIONAL COST RELATED TO THE OF ALTERNATE EQUIPMENT.
- 21. SANITARY CLEANOUTS SHALL BE PLACED NO MORE THAN 75 FEET APART. CLEAN OUTS LOCATED IN PAVEMENT AREAS SHALL HAVE HEAVY DUTY TRAFFIC RATED CONSTRUCTION.
- 22. RELATION OF WATER MAINS TO SEWERS: A. LATERAL SEPARATION OF SEWER AND WATER MAINS: WATER MAINS SHALL BE LAID AT LEAST 10 FEET LATERALLY FROM EXISTING OR PROPOSED SEWERS UNLESS LOCAL CONDITIONS OR BARRIERS PREVENT A 10 FOOT LATERAL

- THE WATER MAIN IS LAID IN A SEPARATE TRENCH. WITH THE ELEVATION OF THE BOTTOM OF THE WATER MAIN AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER, OR

- THE WATER MAIN IS LAID IN THE SAME TRENCH AS THE SEWER LINE WITH THE WATER MAIN LOCATED AT ONE SIDE ON A BENCH OF UNDISTURBED EARTH, AND ABOVE THE TOP OF THE SEWER.

B. CROSSING A WATER MAIN OVER A SEWER MAIN:

WHENEVER IT IS NECESSARY FOR A WATER MAIN TO CROSS OVER A SEWER THE WATER MAIN SHALL BE LAID AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER MAIN, UNLESS LOCAL CONDITIONS OR BARRIERS PREVENT AN 18 INCH VERTICAL SEPARATION - IN WHICH CASE BOTH THE WATER MAIN AND SEWER MAIN SHALL BE CONSTRUCTED OF FERROUS MATERIALS AND WITH JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT OF CROSSING.

C. CROSSING A WATER MAIN UNDER A SEWER MAIN:

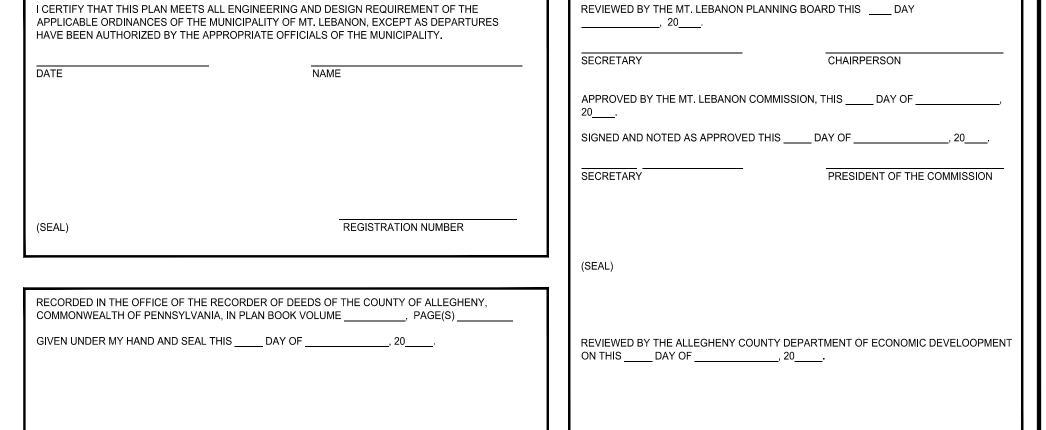
WHENEVER IT IS NECESSARY FOR A WATER MAIN TO CROSS UNDER A SEWER MAIN BOTH THE WATER MAIN AND SEWER MAIN SHALL BE CONSTRUCTED OF FERROUS MATERIALS AND WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT OF CROSSING.

D. CROSSING A SEWER LINE OVER OR UNDER A STORM DRAIN:

- WHENEVER IT IS NECESSARY FOR A SEWER LINE TO CROSS A STORM DRAIN PIPE, THE SEWER LINES SHALL BE LAID AT SUCH AN ELEVATION THAT THE OUTSIDE OF THE SEWER LINE NEAREST TO THE OUTSIDE OF THE STORM DRAIN PIPE SHALL MAINTAIN A 12 INCH CLEAR SEPARATION DISTANCES, OR ENCASED IN EITHER CONCRETE OR DUCTILE IRON PIPE FOR AT LEAST 5 FEET ON EITHER SIDE OF
- 23. UNDERGROUND CONDUITS TO SIGNS, LOT LIGHTS, ETC., SHALL BE PLACED IN GRASS OR LANDSCAPE AREAS WHENEVER POSSIBLE. THE LOCATION OF THE CONDUIT AS SHOWN ON THESE PLANS SHALL BE CONSIDERED TO BE SCHEMATIC WITH ACTUAL LOCATION TO BE VERIFIED BY THE GENERAL CONTRACTOR, PVC SCH. 40 SLEEVES SHALL BE INSTALLED FOR ALL CONDUIT CROSSING UNDER PAVED AREAS.
- 24. TRANSFORMER BY ELECTRIC COMPANY, GENERAL CONTRACTOR TO PROVIDE PAD. REFER TO ELECTRIC COMPANY SPECIFICATIONS FOR PAD CONSTRUCTION.
- 25. ALL DRAINAGE STRUCTURES SHALL BE PRECAST OR POURED IN PLACE IN ACCORDANCE WITH PENNDOT AND MUNICIPALITY REQUIREMENTS
- 26. STORM DRAINAGE STRUCTURES SHALL BE MODIFIED AS REQUIRED AND IN ACCORDANCE WITH PENNDOT SPECIFICATIONS TO ACCOMMODATE PROPOSED PIPE DIMENSIONS AND ANGLES.
- 27. ALL STORM DRAINAGE PIPES AND INLETS SHALL BE CLEANED OF DEBRIS AND SEDIMENTATION DURING THE FINAL STAGES OF
- 28. ALL STORM SEWER STRUCTURES SHALL HAVE INLET SHAPING TO DIRECT FLOWS TO THE INVERT OUT OF STRUCTURE
- 29. WHERE A STORM LATERAL IS NOT PROVIDED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING ALL ROOF DRAINS DIRECTLY TO THE STORM SEWER SYSTEM WITH A BOOT OVER THE EXISTING SEWER MAIN LINE, AND AN AS-BUILT LOCATION OF THE CONNECTION MUST PROVIDED TO THE MUNICIPALITY. NO BUILDING ROOF DRAINS ARE PERMITTED TO BE DISCHARGED ONTO THE PAVEMENT OR FREELY
- 30. WHERE EXISTING UTILITIES ARE TO BE CONNECTED INTO OR CROSSED BY PROPOSED CONSTRUCTION, TEST PITS SHALL BE EXCAVATED BY THE CONTRACTOR PRIOR TO WORK TO DETERMINE THE EXISTING INVERTS, MATERIALS, AND SIZES. TEST PIT INFORMATION SHALL BE SUPPLIED TO THE OWNER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENTS THAT MAY BE REQUIRED TO AVOID CONFLICTS.
- 31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY AS-BUILT INFORMATION ON ALL CONSTRUCTION. ALL LATERALS AND APPURTENANCES WILL BE REFERENCED FROM THE CLOSEST MANHOLE. THE CONTRACTOR SHALL MAINTAIN THE AS-BUILT DRAWINGS AT THE CONSTRUCTION SITE.
- 32. SANITARY SEWER IMPROVEMENTS WILL NOT BE ACCEPTED UNTIL MUNICIPALITY HAS APPROVED THE AS-BUILT DRAWINGS.
- 33. SEWER CONSTRUCTION PERMITS MUST BE OBTAINED FROM THE MUNICIPALITY AT LEAST 48 HOURS PRIOR TO THE START OF ANY SANITARY SEWER CONSTRUCTION.
- 34. PROPOSED CONNECTIONS TO EXISTING SANITARY MANHOLES SHALL BE CORED, DRILLED AND BOOTED.
- 35. SANITARY MANHOLES SHALL BE PRECAST CONCRETE MANHOLES MEETING THE REQUIREMENTS OF ASTM 478 WITH EXCEPTIONS AS PER
- MUNICIPALITY SEWER CONSTRUCTION STANDARDS.
- 36. TRENCH OPEN CUTS SHALL BE LIMITED TO 100 FT. 37. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
- 38. TRENCH DEWATERING SHALL DISCHARGE INTO AN APPROVED SEDIMENT FILTERING DEVICE.
- 39. THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES. THE LOCATION OF ALL EXISTING UTILITIES ARE NOT NECESSARILY SHOWN ON THE PLANS AND WHERE SHOWN ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL ON HIS INITIATIVE AND AT NO EXTRA COSTS HAVE LOCATED ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARY NO CLAIMS FOR DAMAGES OR EXTRA COMPENSATION SHALL ACCRUE TO THE CONTRACTOR FROM THE PRESENCE OF SUCH PIPE, OTHER OBSTRUCTIONS OR FROM ANY DELAY DUE TO REMOVAL OR REARRANGEMENT OF THE SAME THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND STRUCTURES. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL NON-SUBSCRIBING UTILITIES.
- 40. THE CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE OWNER UPON COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE ENGINEER
- 41. CONTRACTOR SHALL COORDINATE EXACT SIZE OF HVAC CONCRETE PADS WITH MECHANICAL CONTRACTOR. REFER TO MECHANICAL PLANS FOR DETAILS.
- 42. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS NOT INTERFERING WITH THE WORK, SUBJECT TO APPROVAL BY THE PROJECT ENGINEER.
- 43. THE SITE GRADING PLAN DEPICTS FINISHED GRADE CONDITIONS. ALL ROADWAY AREAS SHALL BE GRADED TO SUBGRADE CONDITIONS. ALL AREAS OUTSIDE OF ROADWAYS SHALL BE GRADED TO WITHIN SIX (6) INCHES OF FINAL GRADES. FINISH GRADING OPERATIONS SHALL INCLUDE PLACEMENT OF SIX (6) INCHES OF GOOD QUALITY TOPSOIL IN PREPARATION FOR STABILIZATION OPERATIONS
- 44. ALL SUBGRADE SURFACES SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM SURFACE GRADE PRIOR TO FINISHED SURFACE APPLICATIONS. ALL WORK SHALL BE INSPECTED BY THE ON-SITE GEOTECHNICAL ENGINEER.
- 45. ALL EARTHMOVING OPERATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE APPROVED E&S PLAN.

- 46. ALL WORK MUST BE PERFORMED IN ACCORDANCE WITH UTILITY COMPANY STANDARDS & SPECIFICATIONS. THE CONTRACTOR IS
- RESPONSIBLE FOR CONTACTING THE INDIVIDUAL UTILITY COMPANIES PRIOR TO THE START OF WORK 47. UPON COMPLETION OF THE PROPOSED SANITARY SEWER, THE DEVELOPER REMAINS RESPONSIBLE FOR THE MANHOLE TOP ELEVATION
- RELATIVE TO THE FINAL GRADE ELEVATION. 48. INSTALLATION OF SANITARY SEWERS SHALL BE AS INDICATED ON THE PLANS AND PER MANUFACTURERS RECOMMENDATIONS AND SHALL CONFORM TO APPLICABLE LOCAL, STATE AND COUNTY REGULATIONS.
- 49. THE USE OF LASER TECHNOLOGY IS RECOMMENDED FOR PIPE INSTALLATIONS WITH PROPOSED SLOPES OF LESS THAN 1%
- 50. SOME PORTIONS OF PROPOSED SLCPP STORM SEWER WITHIN THIS PLAN MAY BE SHOWN ON A CURVED ALIGNMENT. THE CONTRACTOR SHALL FOLLOW ALL MANUFACTURER RECOMMENDATIONS FOR THE INSTALLATION OF PIPE IN THIS MANNER. THE MANUFACTURER OF ADS N-12 PIPE INDICATES THAT THE SEWER CAN BE LAID IN THIS MANNER AS A SERIES OF TANGENT (STRAIGHT SECTIONS) DEFLECTED HORIZONTALLY AT EACH JOINT. NEITHER THE PIPE NOR THE JOINT SHOULD BE AXIALLY DEFLECTED IN ANY MANNER TO CAUSE STRESS AT

- CONTRACTOR SHALL LOCATE AND VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- PROPOSED CONTOURS & PROPOSED SPOT ELEVATIONS ARE FINISH GRADE.
- CONTRACTOR IS RESPONSIBLE FOR CONDUCTING EARTHWORK OPERATIONS TOO PROVIDE FINISH GRADES AS SHOWN ON THE PLANS. IMPORT/EXPORT OF MATERIAL NECESSARY TO COMPLETE THE WORK SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE
- 4. CONSTRUCTION SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, NEITHER THE OWNER NOR THE OWNER'S REPRESENTATIVES SHALL BE EXPECTED TO ASSUME RESPONSIBILITY FOR SAFETY OF THE WORK OR OF PERSONS ENGAGED IN THE WORK.
- 5. A REGISTERED GEOTECHNICAL ENGINEER, IN THE EMPLOYMENT OF THE OWNER, SHALL BE ON-SITE DURING EARTH MOVING OPERATIONS. 6. SEED ALL AREAS WITHIN THE LIMIT OF WORK AND ALL AREAS DISTURBED BY DEMOLITION AND CONSTRUCTION WITH PERMANENT LAWN
- SEEDING WHERE SLOPE IS LESS THAN 3:1. 7. PLANTING BEDS & SEEDED AREAS TO RECEIVE A MINIMUM OF 6" TOPSOIL UNLESS OTHERWISE NOTED.



RECORDER OF DEEDS

CADD#:



HE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN A PROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIE 'THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHAL OMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY ND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR' FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND AL NDERGROUND UTILITIES.

OWNSHIP RESUBMISSIO

Revision Description

Date:

PROFESSIONAL GRAHAM LEE FERRY \ PE074237 /

Professional Seal

⚠ Sheffler & Company, Inc. **ENGINEERING • SURVEYING** 1712 Mount Nebo Road Office Phone: 412-219-4509

Sewickley, PA 15143

Prepared By:

Email: Info@ShefflerCo.com

Residential Development SCALE: The Residences at Poplar, LLC

The Residences at Poplar

Municipality of Mt. Lebanon, Allegheny County, Pennsylvania

GENERAL NOTES DESIGNED BY: AGM 1√1.*∓.2*50' DATE ISSUED: 04/08/2020 | REVIEWED BY: GLF PROJECT JOB#: FIELD BOOK #:

(SEAL)

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The Residences at Poplar, LLC

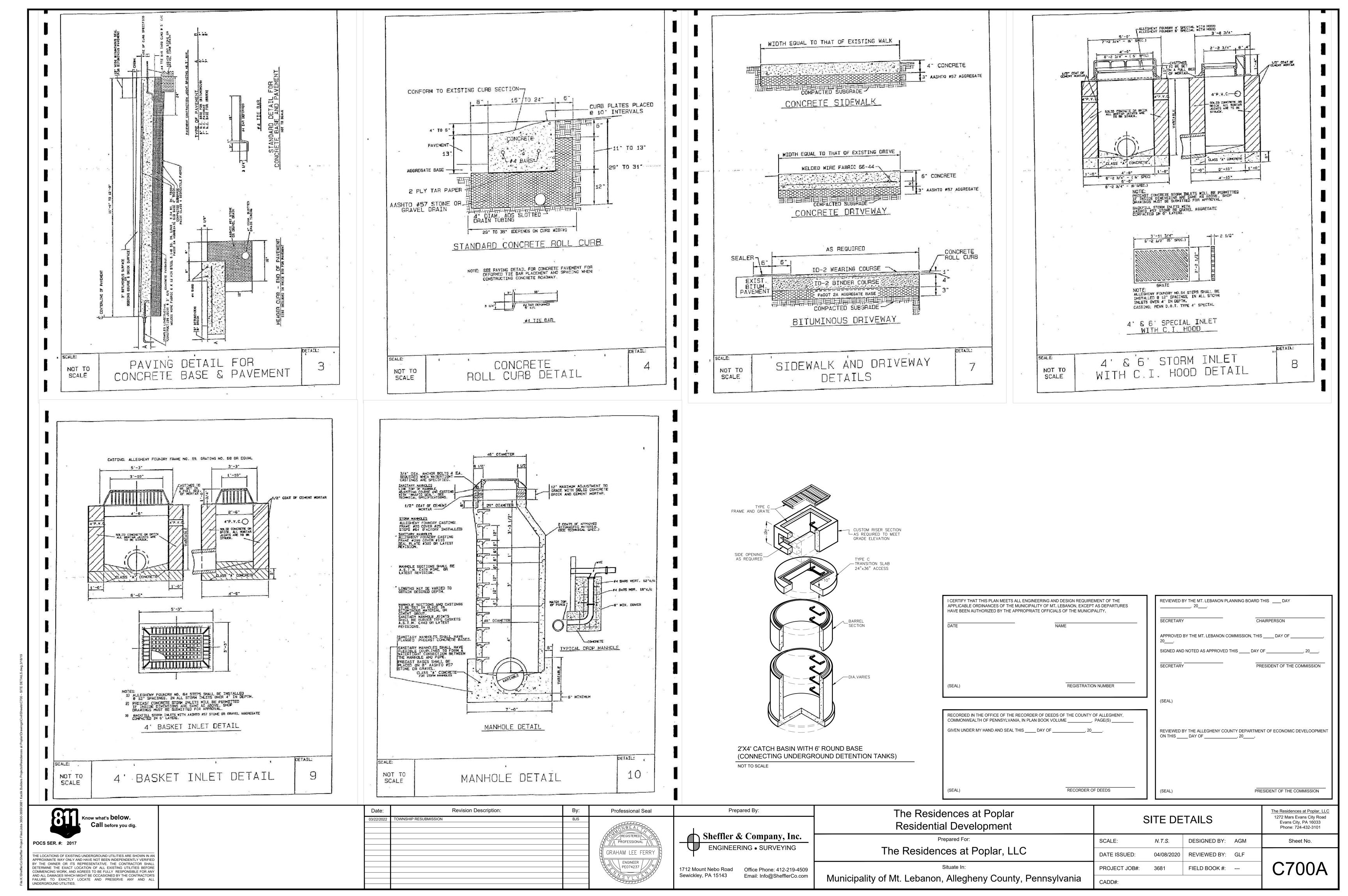
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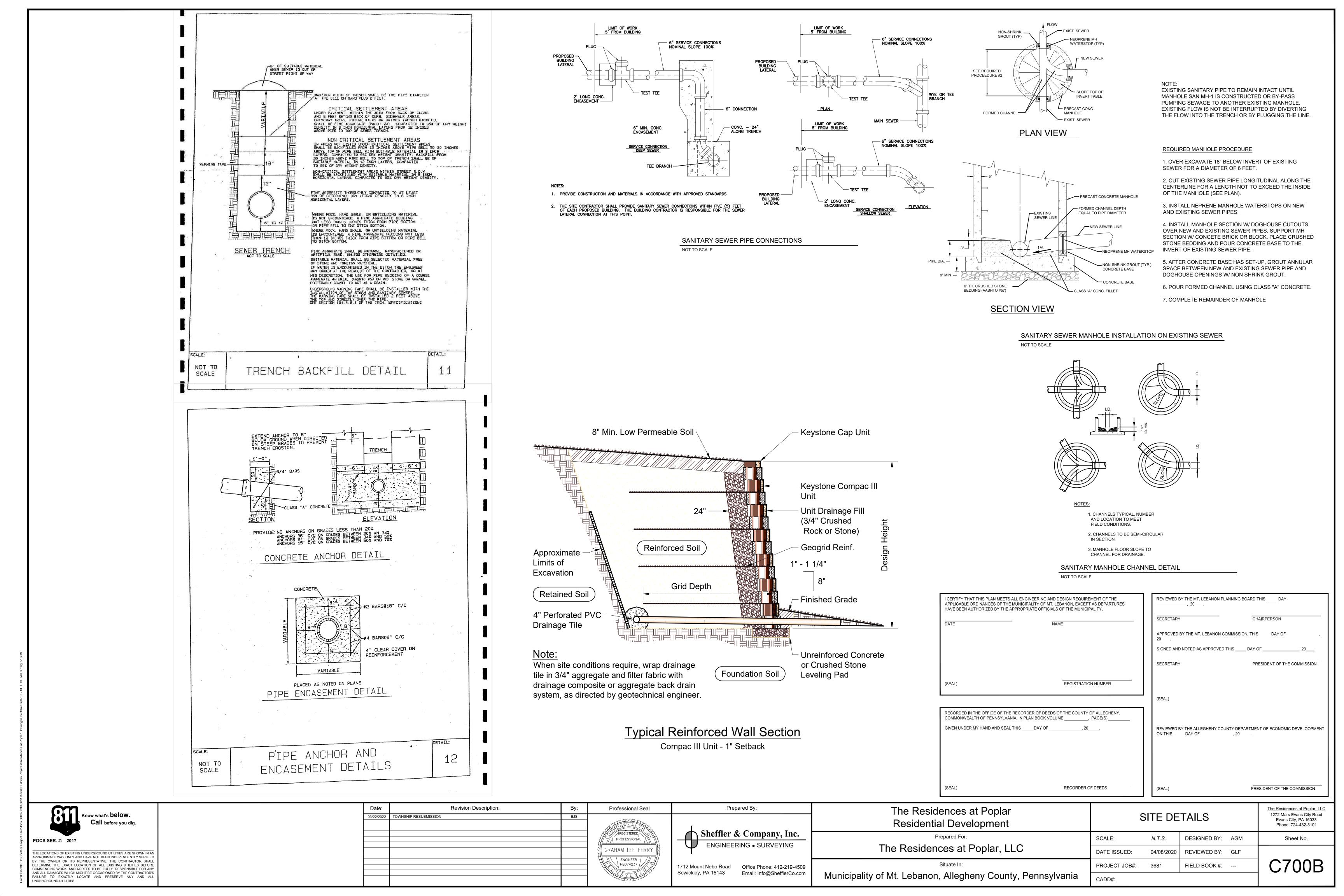
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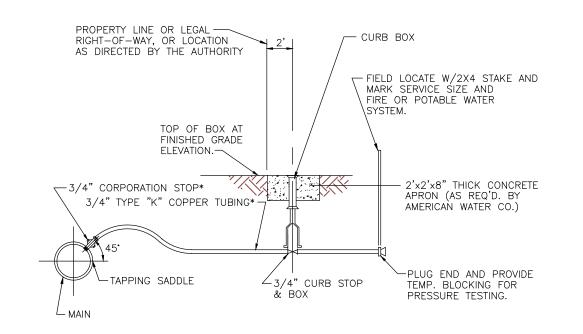
Phone: 724-432-3101

Sheet No.

PRESIDENT OF THE COMMISSION

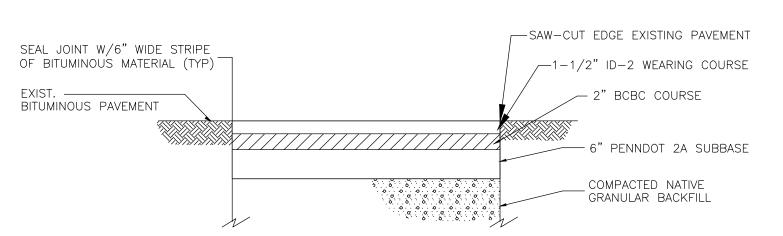




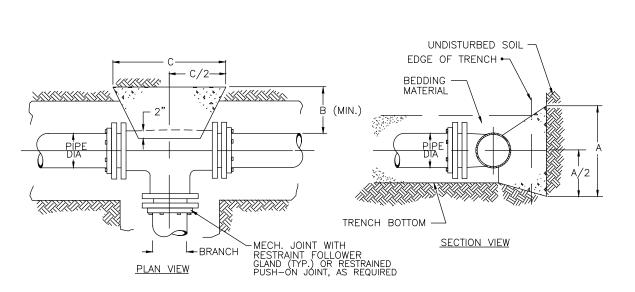


- 1. PROVIDE MATERIALS AND CONSTRUCTION MEETING ALL OF THE REQUIREMENTS OF MUNICIPAL WATER AUTHORITY.
- SERVICE CONNECTION DETAIL IS TYPICAL FOR 3/4" THRU 2" CONNECTIONS. THE SIZE OF CORPORATION STOP, TYPE "K" COPPER TUBING AND CURB STOP SHALL BE SIZED ACCORDINGLY.

TYPICAL SERVICE CONNECTION DETAIL N.T.S.



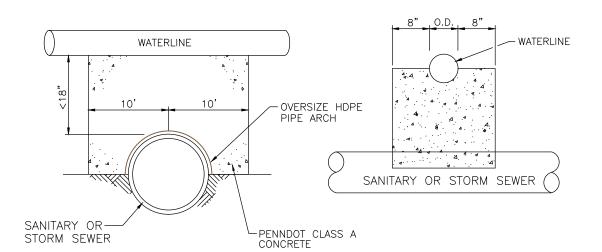
- 1. PROVIDE MATERIALS AND CONSTRUCTION MEETING ALL OF THE REQUIREMENTS OF THE MUNICIPAL WATER AUTHORITY.
- 2. THE UTILITY CONTRACTOR SHALL VERIFY REPLACEMENT PAVEMENT SECTION WITH ON-SITE SOILS ENGINEER AND MATCH EXISTING WHERE REQUIRED.



| PIPE | 2000 BEARII | PSF SO IG STRE | IL* NGTH | | 4000 PSF SOIL* BEARING STRENGTH | | | |
|------|----------------|-------------------|-------------|-------|------------------------------------|-------|-------|-------|
| DIA. | 4"& 6" | 8" | 10" | 12" | 4"& 6" | 8" | 10" | 12" |
| Α | 2'-6" | 3'-0" | 3'-6" | 4'-0" | 18" | 2'-0" | 2'-6" | 3'-0" |
| В | 18" | 15" | 15" | 15" | 12" | 18" | 18" | 18" |
| С | 2'-6" | 3'-0" | 3'-6" | 4'-0" | 18" | 2'-0" | 2'-6" | 3'-0" |
| D | .3 | .4 | .5 | .6 | .1 | .2 | .3 | .4 |

1. PROVIDE MATERIALS AND CONSTRUCTION MEETING ALL OF THE REQUIREMENTS OF THE MUNICIPAL WATER AUTHORITY.

TYPICAL DETAIL CONCRETE THRUST BLOCKING
FOR WATERLINE TEES
N.T.S.

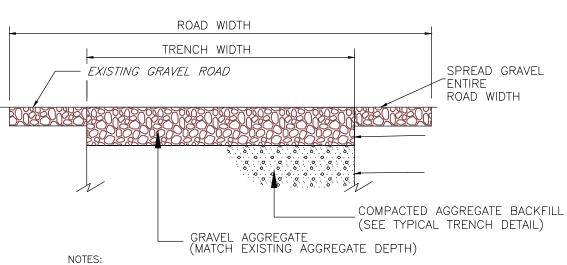


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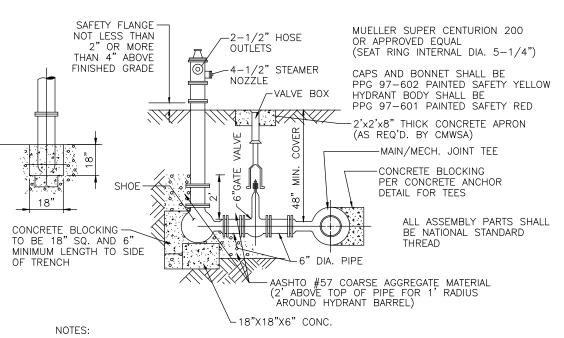
- PROVIDE MATERIALS AND CONSTRUCTION MEETING ALL OF THE REQUIREMENTS OF THE MUNICIPAL WATER AUTHORITY.
- 2. THE UTILITY CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL CROSSINGS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

FOR WATERLINES OVER SEWERS
N.T.S.

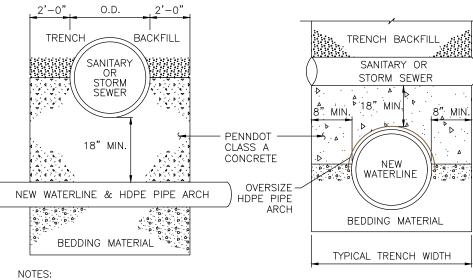
3. THE UTILITY CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY/ALL VARIATIONS AND/OR DISCREPANCIES INVOLVING CLEARANCE BETWEEN UTILITIES.



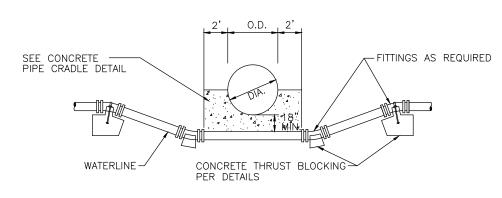
- PROVIDE MATERIALS AND CONSTRUCTION MEETING ALL OF THE REQUIREMENTS OF THE MUNICIPAL WATER AUTHORITY.
- 2. THE UTILITY CONTRACTOR SHALL VERIFY REPLACEMENT GRAVEL (AGGREGATE) SECTION WITH ON-SITE SOILS ENGINEER.



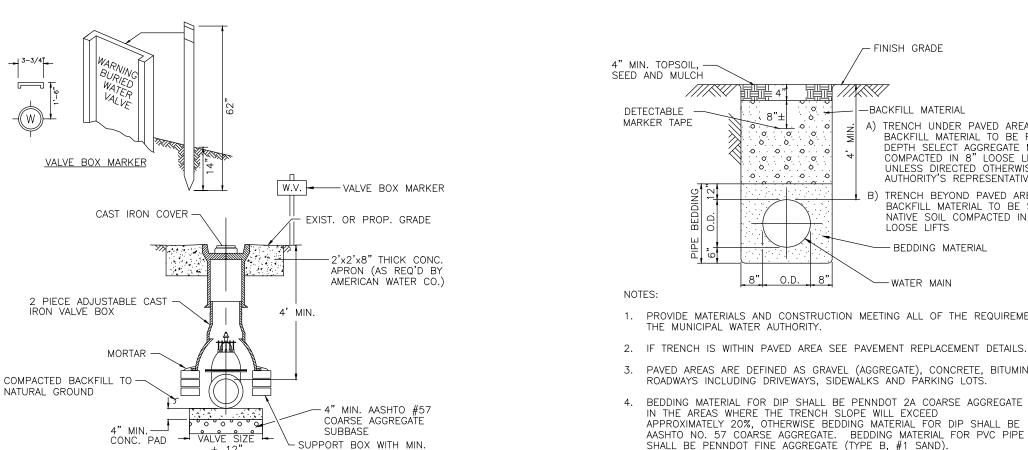
- 1. PROVIDE MATERIALS AND CONSTRUCTION MEETING ALL OF THE REQUIREMENTS OF THE MUNICIPAL WATER AUTHORITY.
- FIRE HYDRANTS SHALL BE INSTALLED A MINIMUM OF 4 FEET FROM A STREET/ROAD AND NOT MORE THAN 8 FEET.
- 3. THE CONTRACTOR SHALL EXCAVATE AROUND ALL SIDES OF HYDRANTS IN SLOPING AREAS A MINIMUM DISTANCE OF 18 INCHES. THE CONTRACTOR SHALL CONSTRUCT A SELF SUSTAINING DRY WALL TO PREVENT EARTH FROM MOVING.
- 4. THE CONTRACTOR SHALL INSTALL 12 CUBIC FEET OF 3/4 INCH BROKEN STONE OR GRAVEL AROUND BASE OF HYDRANT AND COVER THE AGGREGATE WITH 40 MIL. POLYETHYLENE.
- 5. ALL HYDRANTS PLACED IN EXCAVATED AREAS SHALL BE PROTECTED AND MADE COMPLETELY ACCESSIBLE. TYPICAL FIRE HYDRANT ASSEMBLY DETAIL N.T.S.



- 1. PROVIDE MATERIALS AND CONSTRUCTION MEETING ALL OF THE REQUIREMENTS OF THE MUNICIPAL WATER AUTHORITY.
- 2. THE UTILITY CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL CROSSINGS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 3. THE UTILITY CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY/ALL VARIATIONS AND/OR DISCREPANCIES INVOLVING CLEARANCE BETWEEN UTILITIES.
- 4. THE LENGTH OF THE WATERLINE SHALL BE CENTERED AT THE POINT OF THE CROSSING SO THAT THE JOINTS SHALL BE EQUIDISTANT. TYPICAL CONCRETE PIPE CRADLE DETAIL
 FOR SEWERS OVER WATERLINES
 N.T.S.



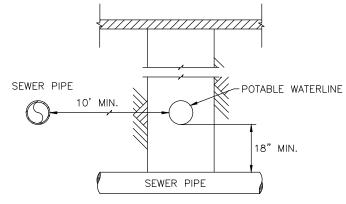
- PROVIDE MATERIALS AND CONSTRUCTION MEETING ALL OF THE REQUIREMENTS OF THE MUNICIPAL WATER AUTHORITY.
- 2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY/ALL OBSTRUCTIONS ENCOUNTERED IN THE FIELD.
- 3. THE CONTRACTOR MAY ELIMINATE FITTINGS IF DEPTH CAN BE OBTAINED BY DEFLECTING PIPE JOINT WITHIN 80% OF THE ALLOWABLE LIMITS AS ESTABLISHED BY THE MUNICIPAL SEWER AND WATER AUTHORITY OF AMERICAN WATER CO OR BY THE PIPE MANUFACTURER. THE LESS



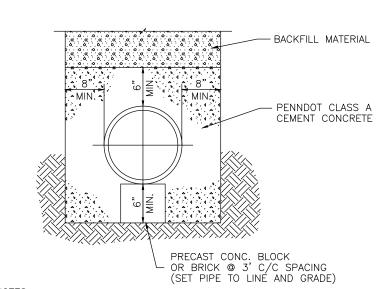
- 1. PROVIDE MATERIALS AND CONSTRUCTION MEETING ALL OF THE REQUIREMENTS OF THE MUNICIPAL WATER AUTHORITY.
- 2. SUITABLE VALVE BOX MARKER POST MARKING LOCATION OF GATE VALVE & BOX TO BE PROVIDED AT ALL LOCATIONS.

TYPICAL VALVE BOX INSTALLATION DETAIL N.T.S.

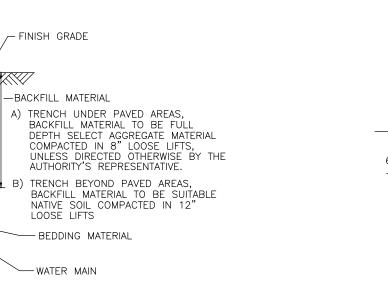
OF 3 COURSES OF BRICK



- 1. PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS OF THE MUNICIPAL WATER AUTHORITY.
- 2. THE UTILITY CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL CROSSINGS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 3. THE UTILITY CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY/ALL VARIATIONS AND/OR DISCREPANCIES INVOLVING CLEARANCE BETWEEN UTILITIES.
- 4. IF THE HORIZONTAL & VERTICAL DIMENSIONS CANNOT BE MET FOR A PARALLEL INSTALLATION, USE RESTRAINT JOINT PIPE FOR THE DISTANCE ALONG WHICH CLEARANCE IS NOT ATTAINED.
- IF THE VERTICAL DIMENSION CANNOT BE MET FOR A CROSSING INSTALLATION, ENCASE THE WATERLINE IN CONCRETE PER ENCASEMENT DETAIL FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE WATERLINE. HORIZONTAL AND VERTICAL SEAPARATION DETAIL FOR POTABLE WATERLINES AND SEWERS N.T.S.

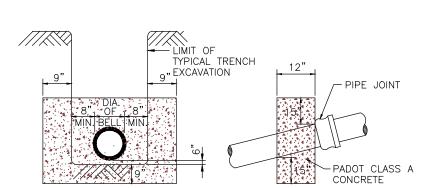


- 1. PROVIDE MATERIALS AND CONSTRUCTION MEETING ALL OF THE REQUIREMENTS OF THE MUNICIPAL WATER AUTHORITY.
- 2. PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 704. TYPICAL CONCRETE ENCASEMENT DETAIL N.T.S.

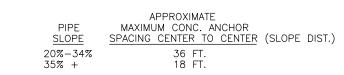


1. PROVIDE MATERIALS AND CONSTRUCTION MEETING ALL OF THE REQUIREMENTS

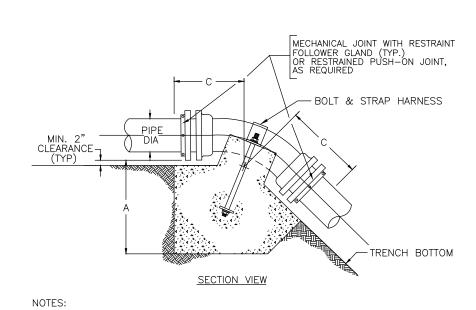
- 3. PAVED AREAS ARE DEFINED AS GRAVEL (AGGREGATE), CONCRETE, BITUMINOUS ROADWAYS INCLUDING DRIVEWAYS, SIDEWALKS AND PARKING LOTS.
- 4. BEDDING MATERIAL FOR DIP SHALL BE PENNDOT 2A COARSE AGGREGATE IN THE AREAS WHERE THE TRENCH SLOPE WILL EXCEED APPROXIMATELY 20%, OTHERWISE BEDDING MATERIAL FOR DIP SHALL BE AASHTO NO. 57 COARSE AGGREGATE. BEDDING MATERIAL FOR PVC PIPE SHALL BE PENNDOT FINE AGGREGATE (TYPE B, #1 SAND).



UNLESS OTHERWISE NOTED INSTALL CONCRETE ANCHORS AT PIPE JOINT IN ACCORDANCE WITH THE FOLLOWING DIMENSIONS:



 PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS THE MUNICIPAL WATER AUTHORITY. TYPICAL PIPE ANCHOR DETAIL FOR WATERLINE INSTALLATIONS N.T.S.

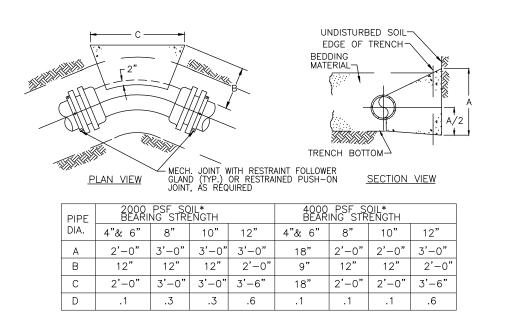


PROVIDE MATERIALS AND CONSTRUCTION MEETING ALL OF THE REQUIREMENTS OF THE MUNICIPAL WATER AUTHORITY.

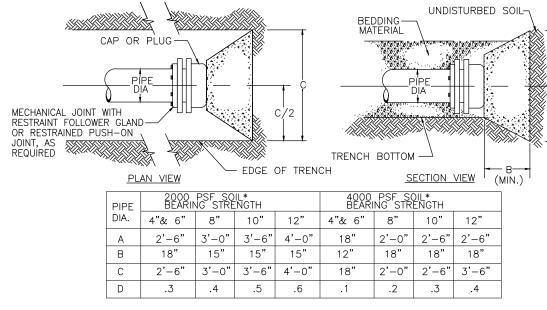
MECH. JOINT WITH RESTRAINT FOLLOWER GLAND (TYP.) OR RESTRAINED PUSH-ON JOINT, ELEVATION VIEW PIPE DIAMETER

1. PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS THE MUNICIPAL WATER AUTHORITY. TYPICAL DETAIL CONCRETE THRUST BLOCKING FOR VERTICAL BENDS (SAG) N.T.S.

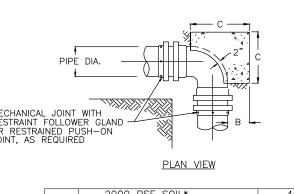
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TYPICAL DETAIL CONCRETE THRUST BLOCKING FOR HORIZONTAL 45 DEGREE BENDS N.T.S.



TYPICAL DETAIL CONCRETE THRUST BLOCKING
FOR CAPPED ENDS
N.T.S.



2"& 6" 8"

C 2'-6" 3'-6"

D .2 .4

| L | LAN VIEW SECTION \ | | | | | | | | |
|---|--------------------|-------|--------|------------------------------------|-------|-------|--|--|--|
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| |)IL* ENGTH | | BEAR | 4000 PSF SOIL* BEARING STRENGTH | | | | | |
| | 10" | 12" | 4"& 6" | 8" | 10" | 12" | | | |
| | 4'-6" | 5'-6" | 2'-0" | 2'-6" | 3'-0" | 3'-6" | | | |
| | 12" | 2'-0" | 12" | 12" | 12" | 2'-0" | | | |
| | 4'-6" | 3'-6" | 2'-0" | 2'-6" | 3'-0" | 3'-6" | | | |
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NATURAL GROUND

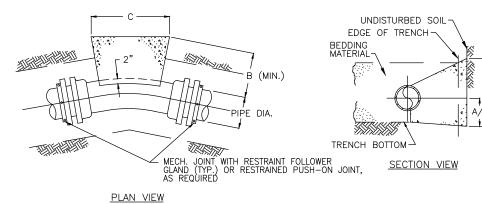
UNDISTURBED SOIL-

EDGE OF TRENCH -

BEDDING MATERIAL -

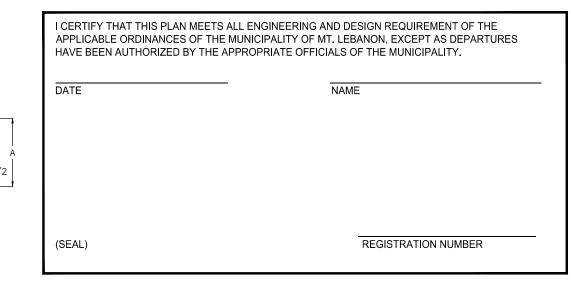
TRENCH BOTTOM Δ

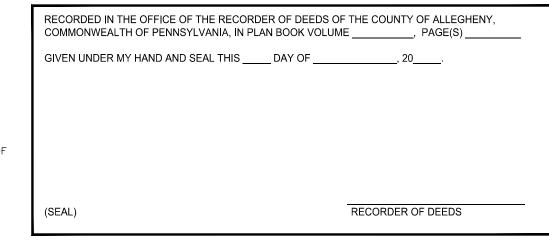
TYPICAL DETAIL CONCRETE THRUST BLOCKING FOR HORIZONTAL 90 DEGREE BENDS N.T.S.



| PIPE | 2000 BEARI | PSF SO NG STR | OIL* ENGTH | | 4000 BEAR |) PSF S RING STF | OIL* RENGTH | |
|------|---------------|------------------|---------------|-------|--------------|---------------------|----------------|------|
| DIA. | 4"& 6" | 8" | 10" | 12" | 4"& 6" | 8" | 10" | 12" |
| Α | 18" | 2'-0" | 2'-6" | 3'-2" | 18" | 18" | 18" | 2'-2 |
| В | 9" | 12" | 12" | 2'-0" | 12" | 9" | 9" | 2'- |
| С | 18" | 2'-0" | 2'-6" | 3'-6" | 12" | 18" | 18" | 3'-6 |
| D | .1 | .1 | .1 | .5 | .03 | .1 | .1 | .5 |

1. PROVIDE MATERIALS AND CONSTRUCTION MEETING ALL OF THE REQUIREMENTS OF THE MUNICIPAL WATER AUTHORITY. TYPICAL DETAIL CONCRETE THRUST BLOCKING FOR HORIZONTAL 22-1/2" AND 11-1/4" BENDS N.T.S.





| REVIEWED BY THE MT. LEBANON PLAI 20 | NNING BOARD THIS DAY |
|--|--|
| SECRETARY | CHAIRPERSON |
| APPROVED BY THE MT. LEBANON COM | MMISSION, THIS DAY OF |
| SIGNED AND NOTED AS APPROVED TH | HIS DAY OF, 20 |
| SECRETARY | PRESIDENT OF THE COMMISSIO |
| (SEAL) | |
| REVIEWED BY THE ALLEGHENY COUN ON THIS DAY OF | TY DEPARTMENT OF ECONOMIC DEVELOOP , 20 |
| | |
| | |

PRESIDENT OF THE COMMISSION

| Know what's below. Call before you dig. POCS SER. #: 2017 |
|--|
| THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL PLANAGES WHICH MIGHT BE COCCASIONED BY THE CONTRACTOR'S |
| AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S |

FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

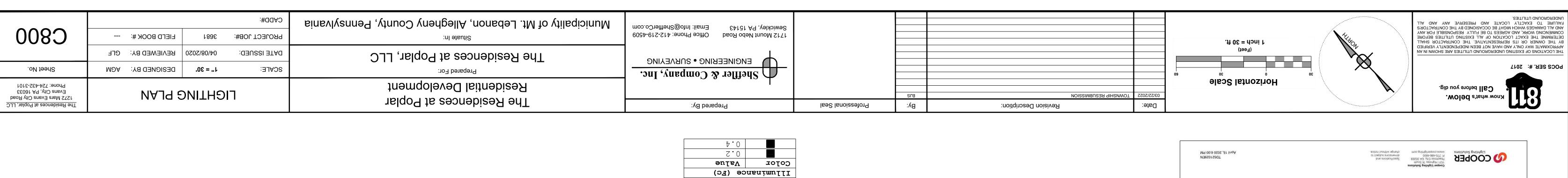
| Date: | Revision Description: | Ву: | |
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| 03/22/2022 | TOWNSHIP RESUBMISSION | BJS | |
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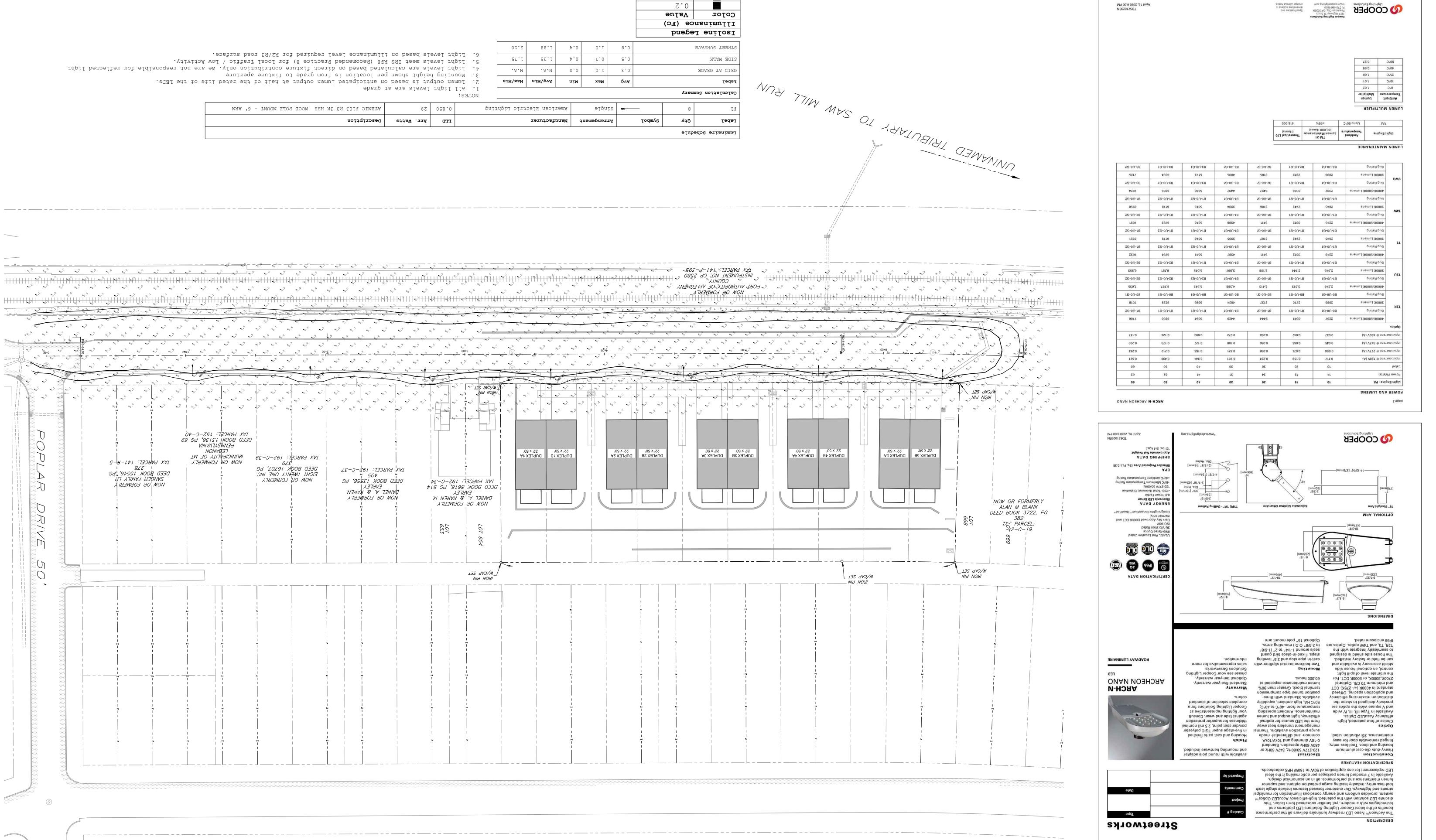
Professional Seal PROFESSIONAL GRAHAM LEE FERRY ENGINEER √ PE074237 /

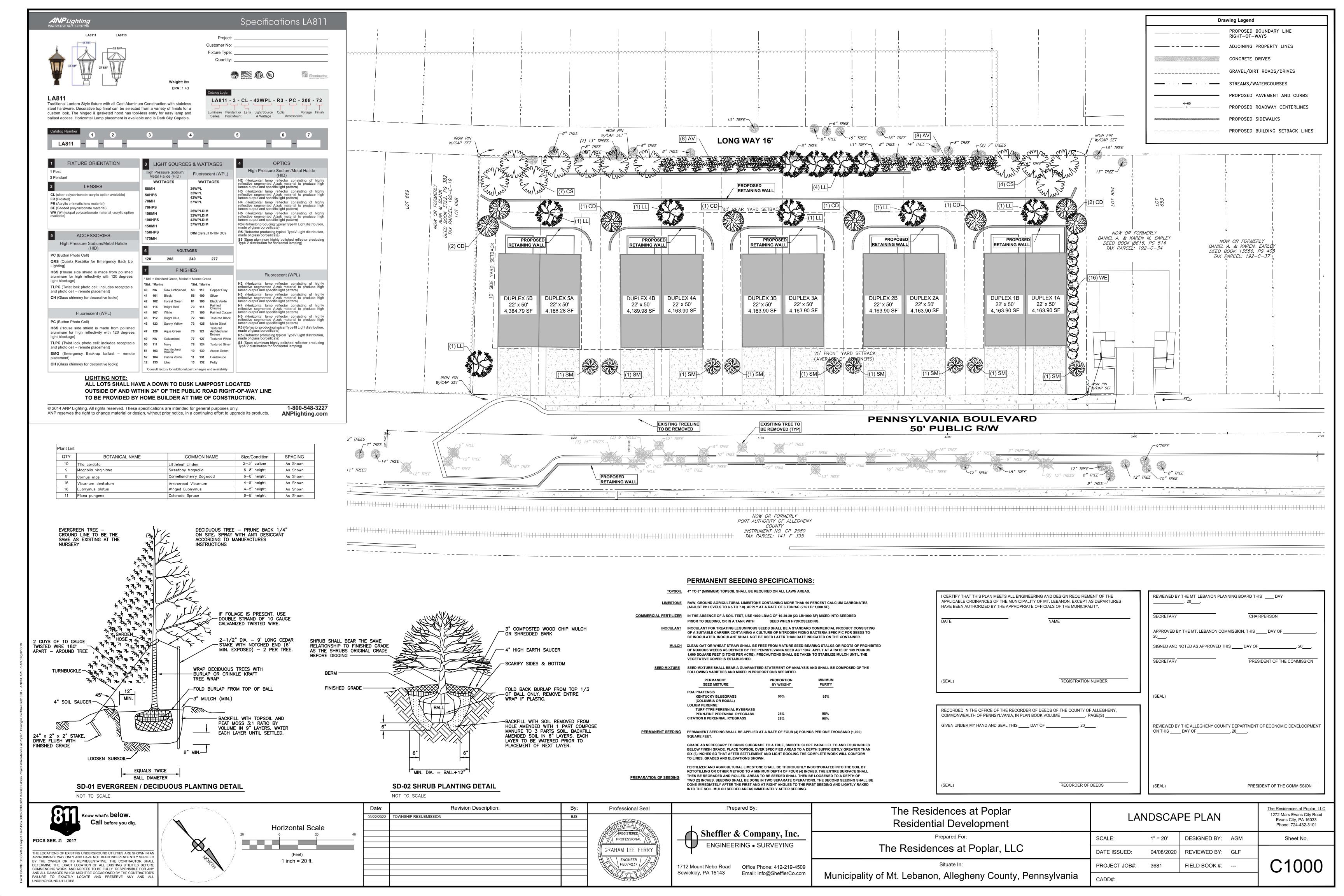
Sheffler & Company, Inc. ENGINEERING • SURVEYING 1712 Mount Nebo Road Office Phone: 412-219-4509 Sewickley, PA 15143 Email: Info@ShefflerCo.com

Prepared By:

| The Residences at Poplar Residential Development | S | The Residences at Poplar, LLC 1272 Mars Evans City Road Evans City, PA 16033 Phone: 724-432-3101 | | | |
|---|---------------|--|---------------|-----|-----------|
| Prepared For: | SCALE: | N.T.S. | DESIGNED BY: | AGM | Sheet No. |
| The Residences at Poplar, LLC | DATE ISSUED: | 04/08/2020 | REVIEWED BY: | GLF | |
| Situate In: | PROJECT JOB#: | 3681 | FIELD BOOK #: | | C700C |
| Municipality of Mt. Lebanon, Allegheny County, Pennsylvania | CADD#: | | | | |







Roof Drain Sizing Chart

THE SITE CONTRACTOR SHALL INSTALL ROOF DRAIN COLLECTION PIPES PER THE FOLLOWING MINIMUM CONDITIONS.

ONE (1) SINGLE-FAMILY LOT TRIBUTARY TO COLLECTION PIPE: MINIMUM - 6" DIAMETER PVC

SHALL BE 1.0%. THIS REQUIREMENT SHALL BE FOR ALL PIPE SIZES.

TWO TO THREE (2-3) SINGLE-FAMILY LOTS TRIBUTARY TO COLLECTION PIPE: MINIMUM - 8" DIAMETER PVC

THE MINIMUM SLOPE FOR ALL ROOF DRAIN LATERALS AND ROOF DRAIN COLLECTION PIPES

ALL PIPING SHALL BE INSTALLED WITH A MAXIMUM DEFLECTION ANGLE OF 5 DEGREES IN BOTH THE HORIZONTAL AND VERTICAL DIRECTION.

ANY DEVIATION OR MODIFICATIONS FROM THE CONDITIONS EXPRESSED HEREIN REQUIRES APPROVAL OF THE OWNER, ENGINEER, AND TOWNSHIP PRIOR TO PROCEEDING WITH WORK.

| | POTENTIAL LIMITING SOIL CHARACTERISTICS | | | | | | | | | | | | | | | | |
|------------|--|----------------|--------------------------------|----------|-----------------|----------|--------------------|--|---------------------------------|------------------|--------|--------------|--------------|--------------|--------------------|---------|---------|
| MAP SYM | DESCRIPTION | CUT BANKS CAVE | CORROSIVE TO CONC. OR STEEL | ркоиснту | EASILY ERODIBLE | FLOODING | DEPTH TO SAT. ZONE | POTENTIAL HYDRIC/ HYDRIC INCLUSIONS | LOW STRENGTH LANDSLIDE PRONE | SLOW PERCOLATION | PIPING | POOR TOPSOIL | FROST ACTION | SHRINK SWELL | POTENTIAL SINKHOLE | PONDING | WETNESS |
| UB | Urban land 0 TO 8 PERCENT SLOPES | X | C/S | | Х | | X | Х | X | X | Х | Х | Х | Х | х | | X |
| UCD | Urban land-Culleoka complex, moderately steep 8 TO 25 PERCENT SLOPES | X | С | | Х | | | Х | Х | X | х | х | | | | | |
| UGD | Urban land-Guernsey complex, moderately steep 8 TO 25 PERCENT SLOPES | X | C/S | | Х | | Х | Х | Х | X | | Х | Х | Х | х | | Х |

SOILS HAVING UNSTABLE COMPOSITION, SLIP AND LANDSLIDE POTENTIAL ARE NOT TO BE PLACED AS FILL MATERIAL AT AREAS HAVING 2:1 SLOPES OR NEAR PROXIMITY TO SUCH SLOPES. LOADING PLANES OF SUCH PLACED FILLS SHALL BEAR ON SUITABLE SOILS KEYED INTO VIRGIN SOILS. REFER TO CUT/FILL DETAILS ON PLANS. ALL CUT SITUATIONS THAT EXPOSE SUCH SOILS TO UNSUPPORTED BEARING BASE REQUIRES THOSE SOILS TO BE EXCAVATED AND REPLACED WITH SUITABLE SOILS THAT DO NOT HAVE THE MENTIONED CHARACTERISTICS.

REMEDIAL ACTIONS

- SOILS SUSCEPTIBLE TO HIGH WATER TABLES AND/OR PIPING AND SEEPING: PROVIDE PUMPED WATER SEDIMENT REMOVAL
- FACILITIES USE CLAY EMBANKMENT CORES. UTILIZE ANTI-SEEP COLLARS OR GRAVEL PACKS. SOILS WITH LOW STRENGTH:
- PREVENT SATURATION OR OVERLOADING OF SLOPES PREVENT REMOVAL OF LATERAL SUPPORT IMPORT ROAD FILL MATERIAL
- SOILS SUSCEPTIBLE TO CUTBANKS CAVE: PREVENT SATURATION OF SLOPES. PROVIDE ANCHORING OR RETAINING SYSTEMS. PROVIDE BENCHING TO CATCH FALLING DEBRIS.
- PROVIDE TRENCH BOXES FOR UTILITY INSTALLATION. SOILS CORROSIVE TO CONCRETE/STEEL: MINIMIZE THE AMOUNT OF SOIL DISTURBANCE.
- PROVIDE PROTECTIVE COATING TO CONCRETE AND
- APPLICATION OF SOIL AMENDMENTS AND TO DETERMINE THE PROPER MOISTURE CONTENT FOR PROPOSED VEGETATIVE

LESS TOPSOIL THICKNESS, RANGING FROM 2" TO 3".

- PROVIDE EXTRA CONCRETE AND STEEL THICKNESS.
 SOILS THAT ARE POOR SOURCES OF TOPSOIL:
 PERFORM SOIL TESTS TO DETERMINE PROPER
- EXISTING ON-SITE WETLANDS AND STREAMS MUST BE

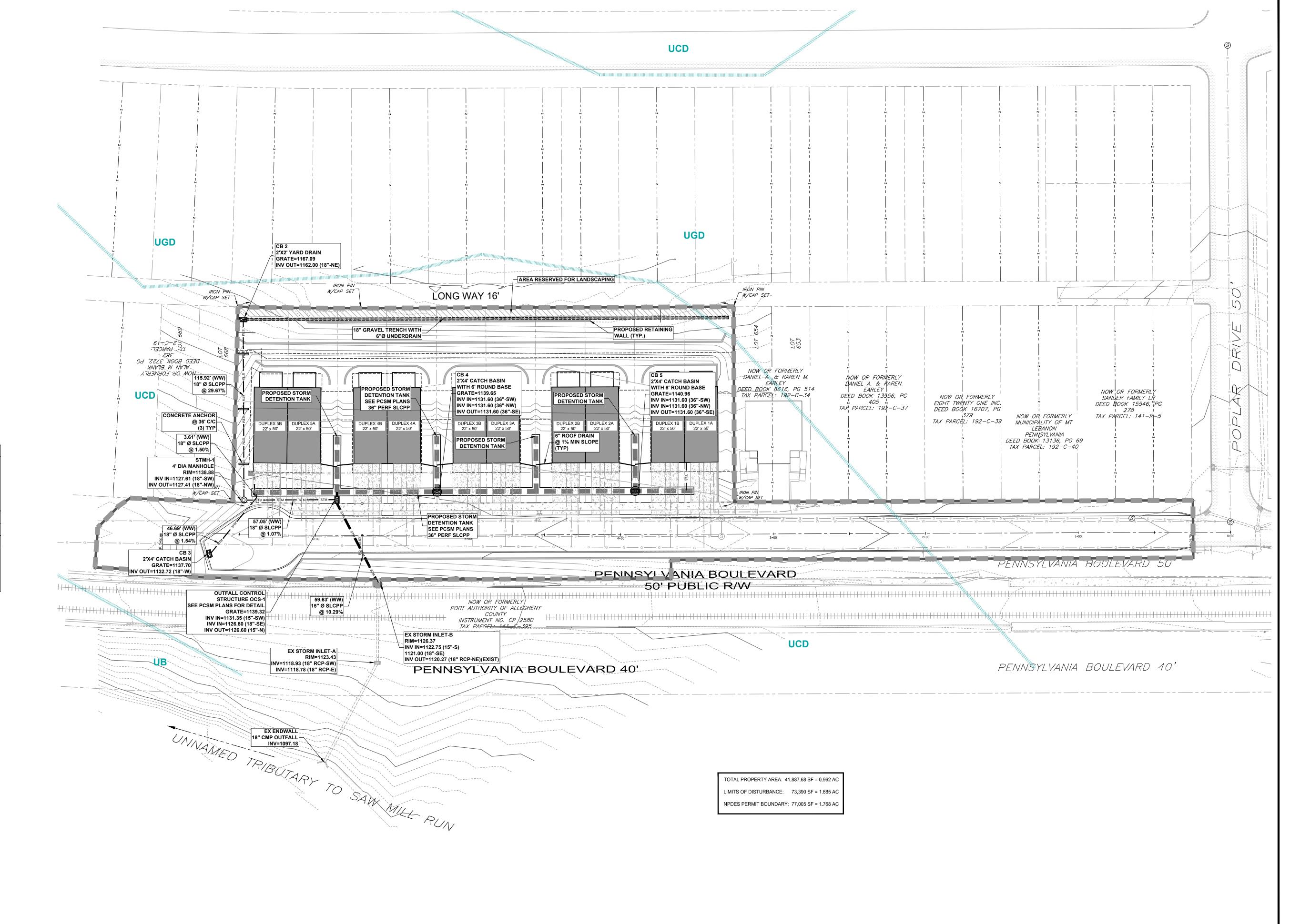
SOILS THAT ARE HYDRIC:

- NO WORK SHALL BE PERFORMED WITHIN 100 FEET OF ANY WETLAND AREA SOILS SUSCEPTIBLE TO MODERATE OR HIGH EROSION
- POTENTIAL: LIMIT TIME OF EXPOSURE. UTILIZE EROSION CONTROL BLANKETS.
- SELECT SEED MIXTURES WITH RAPIDLY GERMINATING SPECIES. SODDING.
- USE OF SPECIAL STABILIZATION PRODUCTS. SOILS WITH SLOW PERCOLATION RATES: SHOULD INFILTRATION FACILITIES BE USED AT THE SITE, INFILTRATION
- TESTS SHALL BE PERFORMED TO DETERMINE PROPER PERCOLATION RATES SOIL WILL BE AMENDED ACCORDINGLY BASED ON THE SOILS SUSCEPTIBLE TO SLIPS AND LANDSLIDES:
- PREVENT SATURATION OF SLOPES. PROVIDE ANCHORING OR RETAINING SYSTEMS. PROVIDE BENCHING TO CATCH FALLING DEBRIS.
- TOP SOIL IS TO BE PLACED AND SPREAD AT A MINIMUM THICKNESS OF 4"-6" ON AREAS THAT ARE RELATIVELY FLAT (E.G. BUILDING LOTS, OR ANY OTHER GENERALLY FLAT AREAS). AREAS CONSISTING OF CUT/FILL SLOPES, CAN UTILIZE SLIGHTLY

, ON THIS DATE REVIEWED AND HEREBY CERTIFIES THAT SWM SITE PLAN MEETS ALL DESIGN STANDARDS AND CRITERIA OF THE MT. LEBANON STORMWATER ORDINANCE, EXCEPT WHERE WAIVERS HAVE BEEN GRANTED AS NOTED ON THE PLAN, THE REVIEW IS BASED ON A SURVEY AND PLAN PREPARED BY OTHERS AND ASSUMES THAT ALL INFORMATION IS CORRECT AND VALID AS SUBMITTED.

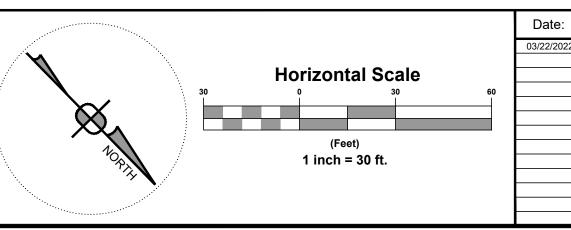
OWNER ACKNOWLEDGES THE STORMWATER MANAGEMENT SYSTEM SHOWN HEREIN CANNOT BE ALTERED OR REVISED IN ANY WAY WITHOUT APPROVAL FROM THE MUNICIPALITY AND ALLEGHENY COUNTY CONSERVATION DISTRICT.

DATED





POCS SER. #: 2017 THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN PPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED Y THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL ETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR' FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND AL UNDERGROUND UTILITIES.



| Revision Description: | Ву: | Professional Seal | Prepared By: | | | | |
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| TOWNSHIP RESUBMISSION | BJS | | | | | | |
| | | HONWEAL | | | | | |
| | | REGISTERED PROFESSIONAL | Sheffler & Company, Inc. | | | | |
| | | | ENGINEERING • SURVEYING | | | | |
| | | GRAHAM LEE FERRY | T | | | | |
| | | ENGINEER /// | | | | | |
| | | PE074237 | 1712 Mount Nebo Road Office Phone: 412-219-4509 | | | | |
| | | VSYLVADA | Sewickley, PA 15143 Email: Info@ShefflerCo.com | | | | |
| | | | | | | | |

| The Residences at Poplar Residential Development |
|--|
| Prepared For: |
| The Residences at Poplar, LLC |
| Situate In: |
| Municipality of Mt. Lebanon, Allegheny County, Penns |

| Residences at Poplar Iential Development | POS ⁻ STORMWA | The Residences at Poplar, LLC 1272 Mars Evans City Road Evans City, PA 16033 Phone: 724-432-3101 | | | |
|---|-----------------------------|---|---------------|-----|-----------|
| Prepared For: | SCALE: | 1" = 30' | DESIGNED BY: | AGM | Sheet No. |
| idences at Poplar, LLC | DATE ISSUED: | 04/08/2020 | REVIEWED BY: | GLF | |
| Situate In: | PROJECT JOB#: | 3681 | FIELD BOOK #: | | PCSM1 |
| anon, Allegheny County, Pennsylvania | CADD#: | | | | |

THE OWNER OF THE PROPERTY MUST ENSURE THAT SITE-WIDE STREET SWEEPING BY A VACUUM TRUCK IS BEING PERFORMED IN ACCORDANCE WITH THE FOLLOWING GUIDELINES.

THE SITE-WIDE IMPERVIOUS PARKING AREAS OF THE SITE SHALL BE SWEPT BIANNUALLY IN ACCORDANCE WITH THE FOLLOWING SCHEDULE. 1. STREET SWEEPING SHOULD OCCUR IN THE SPRING IMMEDIATELY FOLLOWING THE LAST ANTICIPATED

SNOWFALL, USUALLY IN THE LAST WEEK OF APRIL OR FIRST WEEK OF MAY. 2. STREET SWEEPING SHOULD OCCUR AGAIN AT OR NEAR THE END OF OCTOBER OR BEGINNING OF NOVEMBER.

ESTABLISH A STREET SWEEPING NOTIFICATION POLICY SUCH AS POSTING TEMPORARY SIGNS AND THE USE OF FLYERS. NOTIFICATION SHOULD INCLUDE THE DATE AND TIME OF THE SCHEDULED STREET SWEEPING AND SHOULD BE DISPLAYED OR DISTRIBUTED 3 DAYS PRIOR THE DAY OF SWEEPING

STREET SWEEPING MATERIAL OFTEN INCLUDES SAND, SALT, LEAVES AND OTHER DEBRIS THAT COULD CONTAIN POLLUTANTS AND MUST BE TESTED PRIOR TO DISPOSAL TO DETERMINE IF MATERIAL IS HAZARDOUS. DISPOSAL AND REUSE OF MATERIAL SHOULD ADHERE TO ALL FEDERAL AND STATE REGULATIONS.

STREET SWEEPINGS REUSE PRACTICES

ALTHOUGH SWEEPINGS MAY CONTAIN POLLUTANTS. FEDERAL AND STATE REGULATIONS MAY ALLOW THE REUSE OF SWEEPINGS FOR GENERAL FILL, PARKS, ROAD SHOULDERS AND OTHER APPLICATIONS AS LONG AS THE MATERIAL IS NOT A THREAT TO SURFACE WATERS. PRIOR TO REUSE, TRASH, LEAVES, AND OTHER DEBRIS FROM SWEEPINGS SHOULD BE REMOVED BY SCREENING OR OTHER METHODS. TRASH AND DEBRIS REMOVED SHOULD BE DISPOSED OF BY RECYCLING OR SENT TO A LANDFILL.

RESPONSIBLE PARTY: CURRENT PROPERTY OWNER

FLEXSTORM INLET FILTERS WITH RIGID FRAME

INSTALLATION INSTRUCTIONS:

- 1. REMOVE GRATE FROM THE DRAINAGE STRUCTURE
- 2. CLEAN STONE AND DIRT FROM LEDGE (LIP) OF DRAINAGE STRUCTURE 3. DROP THE FLEXTSTORM INLET FILTER THROUGH THE CLEAR OPENING THAT THE HANGERS REST FIRMLY ON THE LIP OF THE STRUCTURE
- 4. REPLACE THE GRATE AND CONFIRM IT IS NOT ELEVATED MORE THAN 1/8"

MAINTENANCE GUIDELINES:

- 1. EMPTY THE SEDIMENT BAG IF MORE THAN HALF FILLED WITH SEDIMENT AND DEBRIS
- 2. REMOVE THE GRATE, ENGAGE THE LIFTING POINTS, AND LIFT FILTER FROM THE DRAINAGE STRUCTURE 3. DISPOSE OF SEDIMENT AND DEBRIS AS DIRECTED BY THE ENGINEER OR MAINTENANCE CONTRACT
- 4. ALTERNATIVELY, AN INDUSTRIAL VACUUM CAN BE USED TO COLLECT SEDIMENT FROM FILTER BAG.

THERE ARE NO GEOLOGIC OR SOIL CONDITIONS KNOWN TO EXIST ON SITE THAT WOULD HAVE THE POTENTIAL TO CAUSE POLLUTION. SHOULD ANY SUCH CONDITION OR MATERIAL BE DISCOVERED DURING THE EARTHMOVING ACTIVITIES ASSOCIATED WITH THIS DEVELOPMENT. THE CONTRACTOR IS REQUIRED TO FOLLOW ALL FEDERAL AND LOCAL STANDARDS FOR THE PROPER HANDLING AND DISPOSAL OF SUCH MATERIAL. IF ANY QUESTIONS ARISE ABOUT PROPER PROCEDURES FOR HANDLING SUCH MATERIAL, THE CONTRACTOR SHOULD CONTACT THE BUTLER COUNTY CONSERVATION DISTRICT AND/OR THE PENNSYLVANIA DEPARTMENT OF **ENVIRONMENTAL PROTECTION**

CONSTRUCTION STAGING

NOTE: FOR ALL DISTURBED AREAS: AS SOON AS SLOPES, SWALES, AND OTHER DISTURBED AREAS REACH FINAL GRADE THEY MUST BE STABILIZED. UPON COMPLETION OR TEMPORARY CESSATION OF EARTH DISTURBANCE ACTIVITY, OR ANY STAGE THEREOF, THE PROJECT SITE

ALL CONSTRUCTION SHALL TAKE PLACE WITHIN THE LIMITS OF DISTURBANCE AS NOTED ON THE DRAWING, AS THE DRAINAGE AREA TO EACH OF THE EROSION CONTROL FACILITIES ESTABLISHES A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENT IS ESTABLISHED, REMOVE THE PARTICULAR CONTROL MEASURE. WHEN CLEANING EXCESS SEDIMENT FROM THE E&S CONTROL FACILITIES, PLACE SEDIMENTS IN GRASS AREAS WHICH DO NOT RECEIVE CONCENTRATED STORM FLOWS AND ARE CONTROLLED BY BMP'S (WITHIN LIMITS OF DISTURBANCE). THEN SEED OVER AREA USING SEEDING SPECIFICATIONS. UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY. THE SITE SHALL BE IMMEDIATELY SEEDED PER HE PERMANENT OR TEMPORARY SEEDING SPECIFICATIONS DEPENDING ON THE SITUATION. EROSION AND SEDIMENT CONTROL BMP'S SHALL BE IMPLEMENTED AND MAINTAINED UNTIL THE PERMANENT STABILIZATION IS COMPLETED. FOR AN EARTH DISTURBANCE TO BE CONSIDERED PERMANENTLY STABILIZED, THE DISTURBED AREA SHALL BE COVERED WITH ONE OF THE FOLLOWING: A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENT; OR AN ACCEPTABLE BMP WHICH PERMANENTLY MINIMIZES ACCELERATED EROSION AND SEDIMENT.

CONSTRUCTION SEQUENCE

ALL E&S FACILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED E&S/ PCSM PLAN AND THE DEP EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL DATED MARCH, 2012 OR LATEST VERSION.

COURSE OF ACTION IN ORDER TO CONFORM TO THE APPLICABLE REGULATORY AGENCY REQUIREMENTS FOR TEMPORARY AND PERMANEN SOIL EROSION AND SEDIMENT POLLUTION CONTROL. ALL NECESSARY PARTS FOR PROPER AND COMPLETE EXECUTION OF WORK PERTAINING TO THIS PLAN, WHETHER SPECIFICALLY MENTIONED OR NOT, ARE TO BE PERFORMED BY THE CONTRACTOR. IT IS NOT INTENDED THAT THE DRAWINGS AND THIS REPORT SHOW EVERY DETAILED PIECE OF MATERIAL OR EQUIPMENT. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS LISTED IN THIS SECTION. THE CONTRACTOR MAY BE REQUIRED TO ALTER CONTROLS BASED ON EFFECTIVENESS OF CONTROLS OR DIFFERING CONDITIONS ENCOUNTERED.

NOTE: UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY, THE SITE SHALL BE IMMEDIATELY STABILIZED OR OTHERWISE PROTECTED FROM ACCELERATED EROSION AND DISCHARGE OF SEDIMENT. ALL DISTURBED AREAS WHICH ARE AT FINAL GRADE AND WILL NOT BE FURTHER DISTURBED SHALL BE SEEDED PER THE PERMANENT SEEDING SPECIFICATIONS. DISTURBED AREAS LEFT IDLE FOR MORE THAN 4 DAYS SHOULD BE TEMPORARILY SEEDED AND MULCHED. CONTACT THE LOCAL COUNTY CONSERVATION DISTRICT FOR A PRE-CONSTRUCTION MEETING PRIOR TO ANY EARTHWORK

STAKE OUT LIMIT OF DISTURBANCE FOR GRADING OPERATIONS FOR THE ENTIRE SITE. IN ADDITION, ORANGE CONSTRUCTION FENCE SHALL BE PLACED AROUND ALL ENVIRONMENTAL FEATURES TO BE PROTECTED ON THE SITE.

INSTALL THE ROCK CONSTRUCTION ENTRANCE FROM WEXFORD RUN ROAD IN THE LOCATION SHOWN ON THE PLAN DRAWINGS AND IN ACCORDANCE WITH THE CONSTRUCTION DETAIL

IN ACCORDANCE WITH ALL APPLICABLE FEDERAL STATE AND LOCAL LAWS, REGULATIONS AND ORDINANCES, REMOVE THE EXISTING VACANT STRUCTURES AS SHOWN ON THE PLANS. REMOVE ALL CONSTRUCTION DEBRIS TO AN APPROVED WASTE FACILITY. BRING TO GRADE USING CLEAN FILL FROM ON-SITE SOURCES CLEAR AND GRUB ALL AREAS NECESSARY FOR GRADING OPERATIONS ASSOCIATED WITH THE MINOR ROAD CROSSING OF THE WETLANDS AND

INSTALL ALL COMPOST FILTER SOCKS (CFS) IN THE LOCATIONS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE DETAILS PROVIDED. STRIP TOPSOIL NECESSARY TO CONSTRUCT THE MINOR ROAD CROSSING OF THE WETLANDS. STOCKPILE IN THE LOCATION SHOWN ON THE PLANS NEAREST TO WEXFORD RUN ROAD. IMMEDIATELY INSTALL COMPOST FILTER SOCK BELOW THE TOPSOIL STOCKPILE AREA. ALL TOPSOIL STOCKPILES UTILIZED DURING ANY STAGE OF CONSTRUCTION MUST BE SEEDED IMMEDIATELY PER THE TEMPORARY SEEDING SPECIFICATIONS IF NOT IN USE FOR LONGER THAN THE TIME SPECIFIED

BEGIN CONSTRUCTION OF THE VOLUME MITIGATION SYSTEM (CRITICAL STAGE: A LICENSED PROFESSIONAL OR DESIGNEE SHALL BE ON-SITE TO OVERSEE THE INSTALLATION OF THE SYSTEM. INCLUDING THE PERMANENT OUTLET STRUCTURE, GRADING, CONNECTIONS, AND

BACKFILLING. BEGIN CUT AND FILL OPERATIONS. DURING GRADING OPERATIONS, THE FILL SLOPES SHALL BE GRADED BACK DOWN FROM THE TOP OF SLOPE AT THE END OF EACH DAY SO THAT RUNOFF IS DIRECTED AWAY FROM THE OUT. AS SLOPE AREAS ARE BROUGHT TO FINAL GRADE, INSTALL EROSION CONTROL BLANKETING ON CUT AND FILL SLOPES, AS INDICATED ON THE PLAN AND IN ACCORDANCE WITH THE CONSTRUCTION DETAIL. AS SOON AS THE PROPOSED FILL SLOPES ARE BROUGHT TO FINAL GRADE, IMMEDIATELY SEED AND MULCH IN REGULAR 15' VERTICAL

INCREMENTS TO PROMOTE EARLY STABILIZATION. THE PROPOSED FILL SLOPES ARE TO BE CONSTRUCTED TO A MAXIMUM HEIGHT OF 30 FEET ABOVE THE COMPOST FILTER SOCKS. ONCE THIS HEIGHT IS ACHIEVED, THE SLOPES MUST BE PERMANENTLY STABILIZED ACCORDING TO THE DETAILS PROVIDED. WHEN THE SLOPES REACH FULL STABILIZATION, THE COMPOST FILTER SOCKS ARE TO BE RE-INSTALLED NEAR THE TOP OF SLOPE, AND THEN FURTHER FILL OPERATIONS CAN PROCEED. THIS PROCESS IS TO BE CONTINUED UNTIL FINAL GRADES ARE ACHIEVED

BEGIN INSTALLATION OF THE PROPOSED UNDERGROUND UTILITIES IN CONJUNCTION WITH THE GRADING OPERATIONS. REFER TO THE UTILITY LINE INSTALLATION REQUIREMENTS BELOW. AS EACH INLET AND YARD DRAIN IS CONSTRUCTED, IMMEDIATELY INSTALL FILTER BAG INLET

INSTALL THE SITE SERVICE UTILITIES (SEWER, GAS, WATER, AND ELECTRIC) AS SHOWN ON THE PLAN. REFER TO THE UTILITY LINE INSTALLATION REQUIREMENTS BELOW.

BEGIN CONSTRUCTION OF THE PROPOSED STRUCTURES ON EACH LOT. COMPLETE REMAINDER OF FINAL GRADING OPERATIONS

PREPARE AREAS FOR PAVING AND SITE FURNISHINGS, AND INSTALL IN ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS, INSTALL THE CONCRETE WASHOUT AREA AS SHOWN ON THE PLAN, IN ACCORDANCE WITH THE CONSTRUCTION DETAIL, PRIOR TO ANY CONCRETE POURS, NCLUDING NEW CURB, SIDEWALK, AND BUILDING FOUNDATIONS

REMOVE ROCK CONSTRUCTION ENTRANCE IN CONJUNCTION WITH FINAL PAVING OPERATIONS REPLACE TOPSOIL ON NON-PAVED AREAS FOR SEEDING. SEED AND MULCH ALL DISTURBED AREAS, USING THE SPECIFIED SEEDING

REQUIREMENTS FOUND ON THE DETAILED PLAN. ALL DISTURBED AREAS MUST BE TEMPORARILY STABILIZED IF REMAINING IDLE OF ANTICIPATED TO REMAIN IDLE. NO MORE THAN 15,000 SQUARE FEET OF DISTURBED AREA MAY REACH FINAL GRADE BEFORE INITIATING SEEDING AND MULCHING OPERATIONS. TOP SOIL IS TO BE PLACED AND SPREAD AT A MINIMUM THICKNESS OF 4" - 6" ON AREAS THAT ARE RELATIVELY FLAT (E.G. BUILDING LOTS, OR ANY OTHER GENERALLY FLAT AREAS). AREAS CONSISTING OF CUT/FILL SLOPES, CAN UTILIZE SLIGHTLY LESS TOPSOIL THICKNESS, RANGING FROM 2" TO 3" RESEED ALL DISTURBED AREAS IF 70% PERENNIAL VEGETATIVE COVER IS NOT ESTABLISHED AFTER 30 DAYS.

REMOVE ALL COMPOST FILTER SOCK AND INLET PROTECTION FOLLOWING COMPLETION OF THE ABOVE STEPS AND AFTER THE SITE HAS ACHIEVED A UNIFORM 70% PERENNIAL VEGETATIVE COVER ON UNPAVED AREAS.

OPERATION, MAINTENANCE, AND INSPECTION SCHEDULE

UNDERGROUND STORM WATER VOLUME MITIGATION FACILITY THE OWNER OF THE PROPOSED STORM WATER CONTROL FACILITIES SHALL AT ALL TIMES OPERATE AND MAINTAIN THE FACILITIES IN A SAFE AND OPERABLE CONDITION SO AS NOT TO IMPERIL LIFE, HEALTH, SAFETY, OR PROPERTY LOCATED ABOVE OR BELOW THE FACILITY.

THE OWNER OF THE FACILITY SHALL BE RESPONSIBLE FOR THE EVALUATION OF THE SAFETY AND OPERATIONAL STATUS OF THE FACILITY AND ALL APPURTENANT STRUCTURES AND THE MODIFICATION THEREOF IN ACCORDANCE

THE OWNER OF THE FACILITY SHALL INSPECT THE FACILITIES AND ALL APPURTENANT WORKS ACCORDING TO THE FOLLOWING SCHEDULE:

1. PERFORM CLEANING DURING THE INSTALLATION OF WORK AND UPON COMPLETION OF THE WORK.

WITH THE REQUIREMENT TO ENSURE PROTECTION OF LIFE AND PROPERTY AS SPECIFIED ABOVE.

- 2. REMOVE FROM SITE ALL EXCESS MATERIALS, DEBRIS, AND EQUIPMENT. REPAIR ANY DAMAGE TO ADJACENT MATERIALS AND SURFACES RESULTING FROM INSTALLATION OF THIS WORK.
- REMOVAL OF ANY EXCESS MATERIALS, DEBRIS, AND EQUIPMENT SHALL BE DONE IN A MANNER THAT IS BOTH IN COMPLIANCE WITH ANY AND ALL LOCAL, STATE, AND FEDERAL REGULATIONS, AS WELL AS ULTIMATE DISPOSAL OCCURRING ONLY A SITE DEEMED APPROVED AND ACCEPTABLE BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION.

IN ADDITION, THE ON-GOING MAINTENANCE AND OPERATIONS OF THIS FACILITY IS ALSO REQUIRED. ANY STORM WATER DEVICES THAT ARE PART OF THIS PROJECT, SHALL BE INSPECTED TWICE ANNUALLY, AT A MINIMUM. THE NECESSARY MAINTENANCE MEASURES SHALL BE IMPLEMENTED AS OUTLINED ABOVE

VEGETATION NOTES

ALL AREAS TO BE STABILIZED BY VEGETATION SHALL BE INSPECTED FOR RILLS OR GULLIES. BARE SOIL PATCHES OR ACCUMULATION OF SEDIMENT AT THE TOE OF SLOPES. ERODED AREAS SHALL BE REGRADED, AND SUBSTANDARD VEGETATED AREAS SHALL BE RE-SEEDED AND MULCHED AS SPECIFIED ON THE PLANS.

PROJECT WASTES AND RECYCLING CRITERIA

PROVIDE CONVENIENT, WELL-MAINTAINED, AND PROPERLY LOCATED TOILET FACILITIES. PROVIDE FOR REGULAR INSPECTIONS, SERVICE, AND DISPOSAL LOCATE TOILET FACILITIES AWAY FROM STORM DRAIN INLETS AND WATERWAYS TO PREVENT ACCIDENTAL SPILLS AND CONTAMINATION OF STORM WATER. TREAT OR DISPOSE OF SANITARY AND SEPTIC WASTE IN ACCORDANCE WITH STATE OR LOCAL REGULATIONS.

PROPER MATERIAL USE. STORAGE, WASTE DISPOSAL, AND TRAINING OF EMPLOYEES AND SUBCONTRACTORS CAN PREVENT OR REDUCE THE DISCHARGE OF HAZARDOUS AND TOXIC WASTES TO STORM WATER. IMPLEMENT A COMPREHENSIVE SET OF WASTE-MANAGEMENT PRACTICES FOR HAZARDOUS OR TOXIC MATERIALS, SUCH AS PAINTS, SOLVENTS, PETROLEUM PRODUCTS, PESTICIDES, WOOD PRESERVATIVES, ACIDS, ROOFING TAR, AND OTHER MATERIALS.

SOLID OR CONSTRUCTION WASTE

- DESIGNATE TRASH AND BULK WASTE-COLLECTION AREAS ON-SITE RECYCLE MATERIALS WHENEVER POSSIBLE (E.G., PAPER, WOOD, CONCRETE, OIL)
- SEGREGATE AND PROVIDE PROPER DISPOSAL OPTIONS FOR HAZARDOUS MATERIAL WASTES CLEAN UP LITTER AND DEBRIS FROM THE CONSTRUCTION SITE DAILY

COLLECTION AREAS TO FURTHER MINIMIZE THE LIKELIHOOD OF CONTAMINATED DISCHARGES.

LOCATE WASTE-COLLECTION AREAS AWAY FROM STREETS, GUTTERS, WATERCOURSES, AND STORM DRAINS WASTE-COLLECTION AREAS (DUMPSTERS, AND SUCH) ARE OFTEN BEST LOCATED NEAR CONSTRUCTION SITE ENTRANCES TO MINIMIZE TRAFFIC ON DISTURBED SOILS. CONSIDER SECONDARY CONTAINMENT AROUND WASTE

SANITARY AND SEPTIC WASTI PROVIDE RESTROOM FACILITIES ON-SITE

- MAINTAIN CLEAN RESTROOM FACILITIES AND EMPTY PORTA-JOHNS REGULARLY PROVIDE SECONDARY CONTAINMENT PANS UNDER PORTA-JOHNS, WHERE POSSIBLE
- PROVIDE TIE-DOWNS OR STAKE DOWNS FOR PORTA-JOHNS IN AREAS OF HIGH WINDS
- EDUCATE EMPLOYEES. SUBCONTRACTORS. AND SUPPLIERS ON LOCATIONS OF FACILITIES
- DO NOT DISCHARGE OR BURY WASTEWATER AT THE CONSTRUCTION SITE INSPECT FACILITIES FOR LEAKS, REPAIR OR REPLACE IMMEDIATELY

DEVELOP AND IMPLEMENT EMPLOYEE AND SUBCONTRACTOR EDUCATION, AS NEEDED, ON HAZARDOUS AND T

- TOXIC WASTE HANDLING, STORAGE, DISPOSAL, AND CLEANUP DESIGNATE HAZARDOUS WASTE-COLLECTION AREAS ON-SITE
- PLACE ALL HAZARDOUS AND TOXIC MATERIAL WASTES IN SECONDARY CONTAINMENT HAZARDOUS WASTE CONTAINERS SHOULD BE INSPECTED TO ENSURE THAT ALL CONTAINERS ARE LABELED PROPERLY AND THAT NO

LEAKS ARE PRESENT

- FOLLOW MANUFACTURER'S RECOMMENDED MAINTENANCE PROCEDURES FOR ALL BMPs
- MAINTENANCE OF BMPs WILL VARY ACCORDING TO THE SPECIFIC AREA AND SITE CONDITIONS REMOVE SEDIMENT FROM BMPs AS APPROPRIATE AND PROPERLY DISPOSE OF SEDIMENT INTO CONTROLLED AREAS TO PREVENT SOIL FROM RETURNING TO THE BMP DURING SUBSEQUENT RAIN EVENTS
- REMOVE SEDIMENT FROM PAVED ROADWAYS AND FROM AROUND BMPs PROTECTING STORM DRAIN INLETS REMOVAL OF ALL ORGANIC MATERIALS (LEAVES, GRASS CLIPPINGS, MULCH, TREE BRANCHES, ETC.) SHALL BE CONDUCTED IMMEDIATE UPON OBSERVATION, AND PER ALL NECESSARY LOCAL, STATE, AND FEDERAL

REMOVAL OF ANY EXCESS MATERIALS, DEBRIS, AND EQUIPMENT SHALL BE DONE IN A MANNER THAT IS BOTH IN COMPLIANCE WITH ANY AND ALL LOCAL, STATE, AND FEDERAL REGULATIONS, AS WELL AS ULTIMATE DISPOSAL OCCURRING ONLY A SITE DEEMED APPROVED AND ACCEPTABLE BY THE PENNSYLVANIA DEPARTMENT OF **ENVIRONMENTAL PROTECTION**

UTILITY INSTALLATION

GENERAL

- 1.a. THE FOLLOWING CONSTRUCTION SEQUENCE OUTLINES THE PRESCRIBED SOIL EROSION AND SEDIMENTATION CONTROL MEASURES TO BE USED IN ASSOCIATION WITH THE INSTALLATION OF UTILITY OR SEWER LINES THAT ARE NOT SITUATED WITHIN THE AREAS CONTROLLED BE OTHER SEDIMENT CONTROL MEASURES.
- CONSTRUCTION REQUIREMENTS 2.a. LIMIT ADVANCE CLEARING AND GRUBBING OPERATIONS TO A DISTURBANCE EQUAL TO TWO TIMES THE LENGTH OF PIPE INSTALLATION THAT CAN BE COMPLETED IN ONE DAY.
- 2.b. WORK CREWS AND EQUIPMENT FOR TRENCHING PLACEMENT OF PIPE, PLUG CONSTRUCTION, AND BACKFILLING WILL BE SELF-CONTAINED AND SEPARATE FROM CLEARING AND GRUBBING AND SITE RESTORATION AND STABILIZATION OPERATIONS 2.c. LIMIT DAILY TRENCH EXCAVATION TO THE LENGTH OF PIPE
- PLACEMENT, PLUG INSTALLATION, AND BACKFILLING THAT CAN BE COMPLETED WITHIN THE SAME DAY
- 2.d. TRENCH PLUGS WILL BE SPACED AND CONSTRUCTED AS DETAILED ON THE PLANS.
- 3. AT ALL CROSSINGS OF WATERS OF THE COMMONWEALTH (IF APPLICABLE), TRENCH PLUGS WILL BE INSTALLED AT THE BANKS AFTER TRENCH EXCAVATION. THE PLUGS MAY BE TEMPORARILY REMOVED WHEN PLACING THE PIPE, BUT THEN REPLACED.
- 4. CONSTRUCTION OF THE CROSSINGS WILL BE IN ACCORDANCE WITH PROCEDURES PRESCRIBED. 4.a. WATER WHICH ACCUMULATES IN THE OPEN TRENCH WILL BE
- COMPLETELY REMOVED BY PUMPING, BEFORE PIPE PLACEMENT AND/OR BACKFILLING 4.b. ON THE DAY FOLLOWING PIPE PLACEMENT AND TRENCH BACKFILLING. THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS AND APPROPRIATE TEMPORARY EROSION AND SEDIMENT POLLUTION CONTROL MEASURES / FACILITIES WILL BE NSTALLED AS ILLUSTRATED ON THE PLANS. SEEDING AND

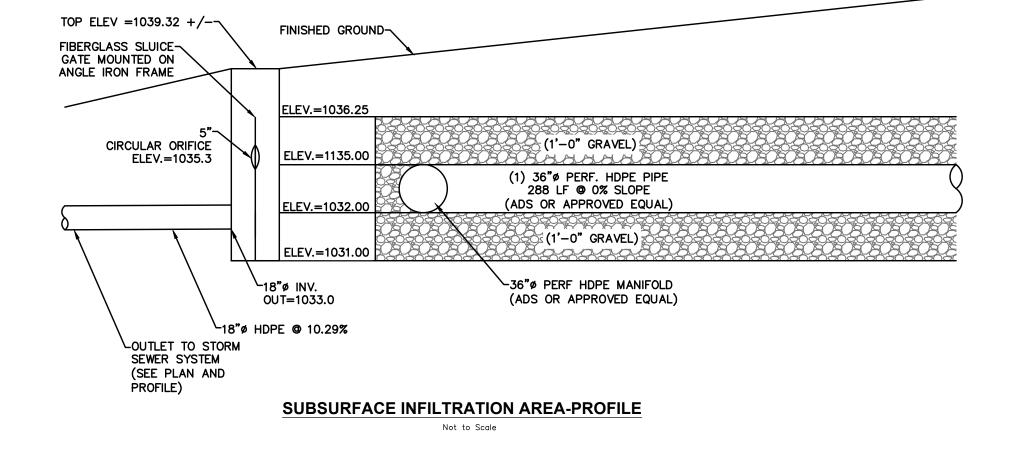
MULCHING OF ALL DISTURBED AREAS WILL BE DONE UPON

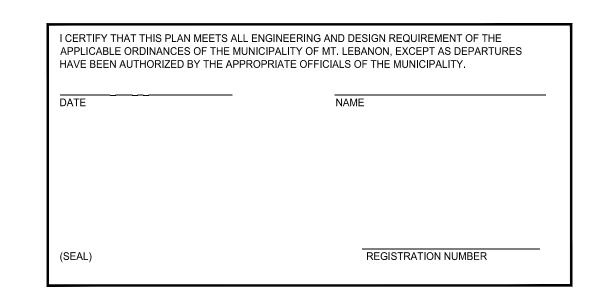
EXCEPTIONS 5.a. IN CERTAIN CASES, TRENCHES CANNOT BE BACKFILLED UNTIL THE PIPE ANCHORS AND OTHER PERMANENT FEATURES ARE INSPECTED. IN THESE CASES, ALL THE REQUIREMENTS LISTED UNDER ITEM 2 WILL REMAIN IN EFFECT WITH THE FOLLOWING

COMPLETION OF GRADING OPERATIONS.

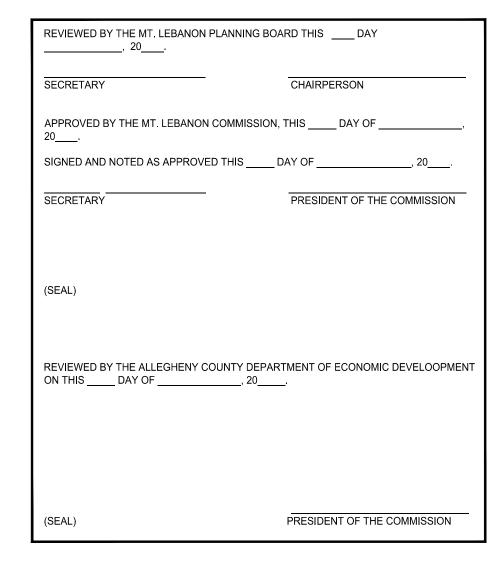
Date:

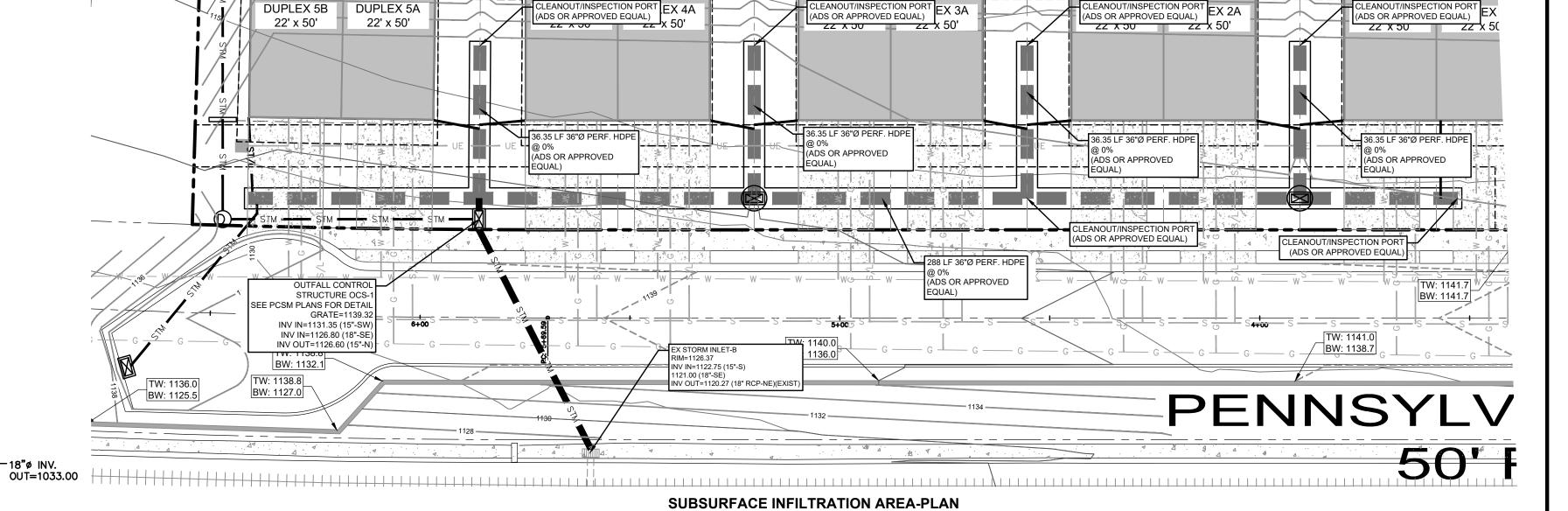
5.a.a. IF DAILY BACKFILLING IS DELAYED, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS, APPROPRIATE TEMPORARY **EROSION AND SEDIMENT CONTROL MEASURES / FACILITIES WILL** BE INSTALLED, AND THE AREA SEEDED AND MULCHED THE SAME





RECORDED IN THE OFFICE OF THE RECORDER OF DEEDS OF THE COUNTY OF ALLEGHENY, COMMONWEALTH OF PENNSYLVANIA, IN PLAN BOOK VOLUME $_$ GIVEN UNDER MY HAND AND SEAL THIS _____ DAY OF _____ RECORDER OF DEEDS (SEAL)





(now what's **below.**

POCS SER. #: 2017 HE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN A PROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIE THE OWNER OR ITS REPRESENTATIVE THE CONTRACTOR SHALL ETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFOR OMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR AN ND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR' AILURE TO EXACTLY LOCATE AND PRESERVE ANY AND AL NDERGROUND UTILITIES.

WNSHIP RESUBMISSIO PROFESSIONA GRAHAM LEE FERRY ∖ PE074237 /

Revision Description

TOP ELEV = 1039.32 + /--

FIBERGLASS SLUICE GATE MOUNTED -

ON ANGLE IRON FRAME

MOUNT FOR SLUICE

5" CIRCULAR -

ELEV.=1035.3

GATE

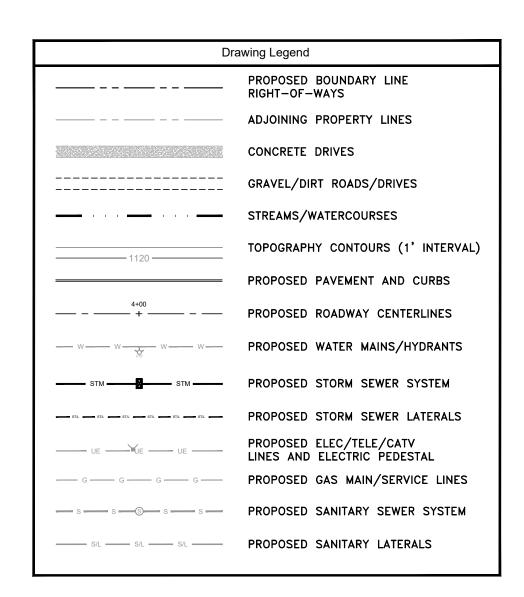
SLUICE GATE DETAIL

Not to Scale

Prepared By: **Professional Seal ⚠** Sheffler & Company, Inc. **ENGINEERING • SURVEYING** 1712 Mount Nebo Road Office Phone: 412-219-4509 Sewickley, PA 15143 Email: Info@ShefflerCo.com

The Residences at Poplar POST CONSTRUCTION STORMWATER Residential Development MANAGEMENT NOTES AND DETAILS SCALE: As Shown DESIGNED BY: AGM The Residences at Poplar, LLC DATE ISSUED: 04/08/2020 REVIEWED BY: GLF PROJECT JOB#: FIELD BOOK #: Municipality of Mt. Lebanon, Allegheny County, Pennsylvania PCSM2 - PCSM Notes and Details.dwg

The Residences at Poplar, LLC 1272 Mars Evans City Road Evans City, PA 16033 Phone: 724-432-3101 Sheet No.



Roof Drain Sizing Chart

THE SITE CONTRACTOR SHALL INSTALL ROOF DRAIN COLLECTION PIPES PER THE FOLLOWING MINIMUM CONDITIONS.

ONE (1) SINGLE-FAMILY LOT TRIBUTARY TO COLLECTION PIPE: MINIMUM - 6" DIAMETER PVC

BOTH THE HORIZONTAL AND VERTICAL DIRECTION.

TWO TO THREE (2-3) SINGLE-FAMILY LOTS TRIBUTARY TO COLLECTION PIPE: MINIMUM – 8" DIAMETER PVC

THE MINIMUM SLOPE FOR ALL ROOF DRAIN LATERALS AND ROOF DRAIN COLLECTION PIPES SHALL BE 1.0%. THIS REQUIREMENT SHALL BE FOR ALL PIPE SIZES. ALL PIPING SHALL BE INSTALLED WITH A MAXIMUM DEFLECTION ANGLE OF 5 DEGREES IN

ANY DEVIATION OR MODIFICATIONS FROM THE CONDITIONS EXPRESSED HEREIN REQUIRES APPROVAL OF THE OWNER, ENGINEER, AND TOWNSHIP PRIOR TO PROCEEDING WITH WORK.

| | POTENTIAL LIMITING SOIL CHARACTERISTICS | | | | | | | | | | | | | | | | |
|------------|--|----------------|--------------------------------|----------|-----------------|----------|--------------------|--|------------------------------|------------------|--------|--------------|--------------|--------------|--------------------|---------|---------|
| MAP SYM | DESCRIPTION | CUT BANKS CAVE | CORROSIVE TO CONC. OR STEEL | ркоиснту | EASILY ERODIBLE | FLOODING | DEPTH TO SAT. ZONE | POTENTIAL HYDRIC/ HYDRIC INCLUSIONS | LOW STRENGTH LANDSLIDE PRONE | SLOW PERCOLATION | PIPING | POOR TOPSOIL | FROST ACTION | SHRINK SWELL | POTENTIAL SINKHOLE | PONDING | WETNESS |
| UB | Urban land 0 TO 8 PERCENT SLOPES | Х | C/S | | Х | | Х | Х | х | Х | х | х | х | х | х | | Х |
| UCD | Urban land-Culleoka complex, moderately steep 8 TO 25 PERCENT SLOPES | X | С | | Х | | | Х | х | X | Х | х | | | | | |
| UGD | Urban land-Guernsey complex, moderately steep 8 TO 25 PERCENT SLOPES | Х | C/S | | Х | | Х | Х | х | X | | Х | X | Х | Х | | Х |

SOILS HAVING UNSTABLE COMPOSITION, SLIP AND LANDSLIDE POTENTIAL ARE NOT TO BE PLACED AS FILL MATERIAL AT AREAS HAVING 2:1 SLOPES OR NEAR PROXIMITY TO SUCH SLOPES. LOADING PLANES OF SUCH PLACED FILLS SHALL BEAR ON SUITABLE SOILS KEYED INTO VIRGIN SOILS. REFER TO CUT/FILL DETAILS ON PLANS. ALL CUT SITUATIONS THAT EXPOSE SUCH SOILS TO UNSUPPORTED BEARING BASE REQUIRES THOSE SOILS TO BE EXCAVATED AND REPLACED WITH SUITABLE SOILS THAT DO NOT HAVE THE MENTIONED CHARACTERISTICS.

REMEDIAL ACTIONS

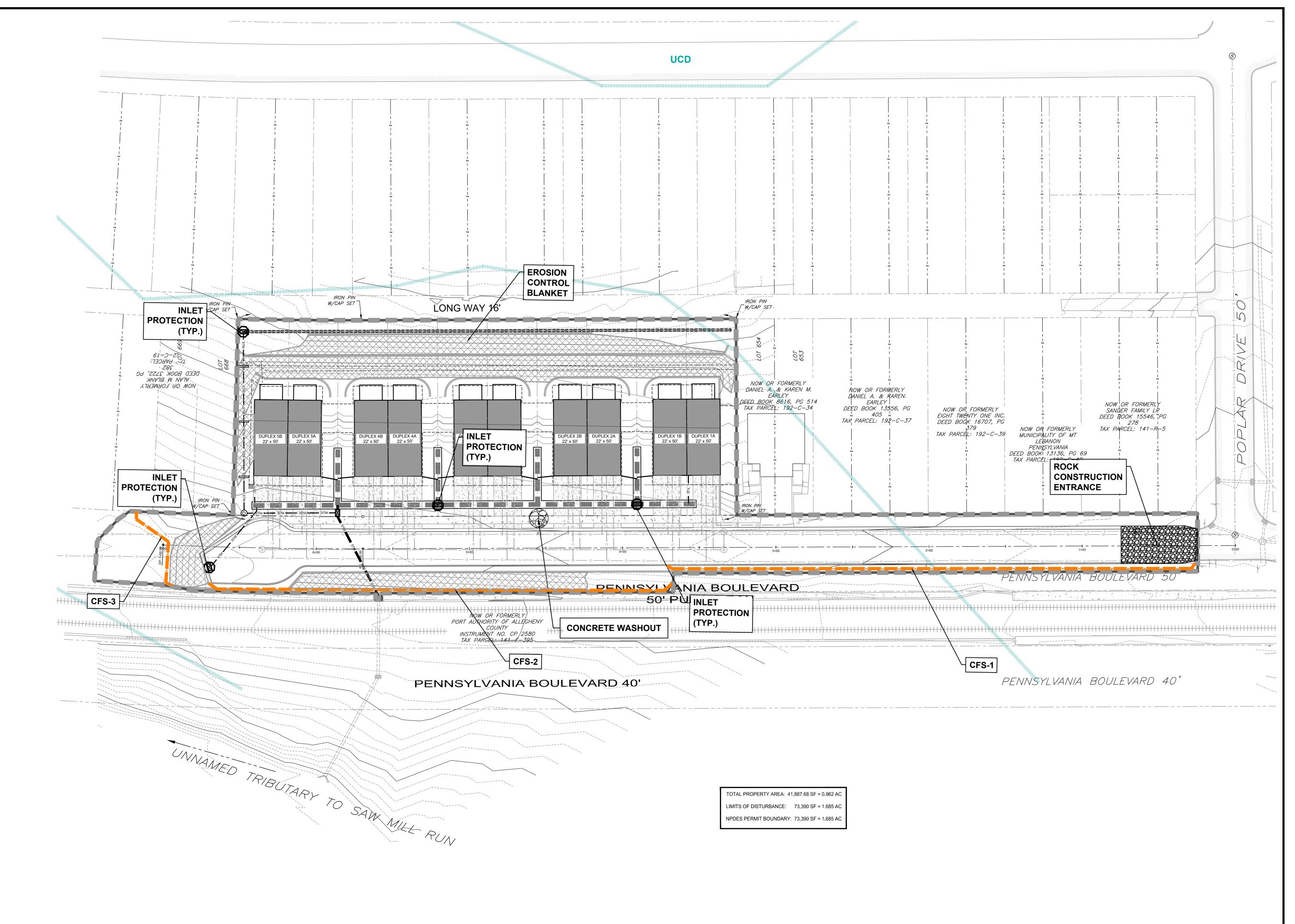
- SOILS SUSCEPTIBLE TO HIGH WATER TABLES AND/OR PIPING AND SEEPING: PROVIDE PUMPED WATER SEDIMENT REMOVAL FACILITIES
- USE CLAY EMBANKMENT CORES. UTILIZE ANTI-SEEP COLLARS OR GRAVEL PACKS. SOILS WITH LOW STRENGTH: PREVENT SATURATION OR OVERLOADING OF SLOPES
- PREVENT REMOVAL OF LATERAL SUPPORT IMPORT ROAD FILL MATERIAL SOILS SUSCEPTIBLE TO CUTBANKS CAVE:
- PREVENT SATURATION OF SLOPES. PROVIDE ANCHORING OR RETAINING SYSTEMS. PROVIDE BENCHING TO CATCH FALLING DEBRIS.
- PROVIDE TRENCH BOXES FOR UTILITY INSTALLATION. SOILS CORROSIVE TO CONCRETE/STEEL: MINIMIZE THE AMOUNT OF SOIL DISTURBANCE.
- PROVIDE PROTECTIVE COATING TO CONCRETE AND
- PROVIDE EXTRA CONCRETE AND STEEL THICKNESS.
 SOILS THAT ARE POOR SOURCES OF TOPSOIL:
 PERFORM SOIL TESTS TO DETERMINE PROPER
- APPLICATION OF SOIL AMENDMENTS AND TO DETERMINE THE PROPER MOISTURE CONTENT FOR PROPOSED VEGETATIVE

LESS TOPSOIL THICKNESS, RANGING FROM 2" TO 3".

 EXISTING ON-SITE WETLANDS AND STREAMS MUST BE DELINEATED

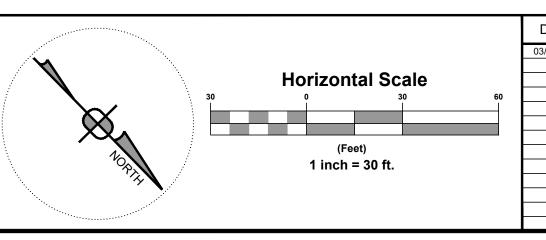
SOILS THAT ARE HYDRIC:

- NO WORK SHALL BE PERFORMED WITHIN 100 FEET OF ANY WETLAND AREA
- SOILS SUSCEPTIBLE TO MODERATE OR HIGH EROSION POTENTIAL: LIMIT TIME OF EXPOSURE.
- UTILIZE EROSION CONTROL BLANKETS. SELECT SEED MIXTURES WITH RAPIDLY GERMINATING SPECIES. SODDING.
- USE OF SPECIAL STABILIZATION PRODUCTS. SOILS WITH SLOW PERCOLATION RATES: SHOULD INFILTRATION FACILITIES BE USED AT THE SITE, INFILTRATION
- TESTS SHALL BE PERFORMED TO DETERMINE PROPER PERCOLATION RATES SOIL WILL BE AMENDED ACCORDINGLY BASED ON THE
- RESULTS OF TESTING SOILS SUSCEPTIBLE TO SLIPS AND LANDSLIDES:
- PREVENT SATURATION OF SLOPES.PROVIDE ANCHORING OR RETAINING SYSTEMS. PROVIDE BENCHING TO CATCH FALLING DEBRIS.
- TOP SOIL IS TO BE PLACED AND SPREAD AT A MINIMUM THICKNESS OF 4"-6" ON AREAS THAT ARE RELATIVELY FLAT (E.G. BUILDING LOTS, OR ANY OTHER GENERALLY FLAT AREAS). AREAS CONSISTING OF CUT/FILL SLOPES, CAN UTILIZE SLIGHTLY





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| | Revision Description: | Ву: | Professional Seal | Prepared By: |
|---|-----------------------|-----|-----------------------|--|
| 2 | TOWNSHIP RESUBMISSION | BJS | | |
| | | | REGISTERED A | Shofflor & Company Inc |
| | | | PROFESSIONAL | Sheffler & Company, Inc. |
| | | | GRAHAM LEE FERRY | ENGINEERING • SURVEYING |
| | | | HI III ENGINEER / /// | ' |
| | | | PE074237 | 1712 Mount Nebo Road Office Phone: 412-219-450 |
| | | | VSYLVA | Sewickley, PA 15143 Email: Info@ShefflerCo.co |
| | | | | |

| y, Inc. | |
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| EYING | |
| 12-219-4509 nefflerCo.com | Municipality |

| The Residences at Poplar Residential Development | EROSION C | The Residences at Poplar, L 1272 Mars Evans City Roa Evans City, PA 16033 Phone: 724-432-3101 | | | |
|--|---------------|--|---------------|-----|-----------|
| Prepared For: | SCALE: | 1" = 20" | DESIGNED BY: | AGM | Sheet No. |
| The Residences at Poplar, LLC | DATE ISSUED: | 04/08/2020 | REVIEWED BY: | GLF | |
| Situate In: | PROJECT JOB#: | 3681 | FIELD BOOK #: | | ES1 |
| icipality of Mt. Lebanon, Allegheny County, Pennsylvania | CADD#: | | | | |

STANDARD EROSION AND SEDIMENT CONTROL PLAN NOTES

- ALL EARTH DISTURBANCES. INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE F&S PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRE-CONSTRUCTION MEETING.
- AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS, DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION
- AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL
- CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN
- AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAPS(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
- ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET SEQ., 271.1, AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT
- FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY
- THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
- 13. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS.
- 14. VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY NOR EXIT DIRECTLY FROM THE PROJECT SITE ONTO PUBLIC ROADS.
- 15. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMP'S SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMP'S AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, RE-GRADING, RE-SEEDING, RE-MULCHING AND RE-NETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S, OR MODIFICATIONS OF THOSE INSTALLED WILL BE
- 6. A LOG SHOWING DATES THAT E&S BMP'S WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
- SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEPT INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- 18. $\,$ ALL SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.
- AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES -- 6 TO 12 INCHES ON COMPACTED SOILS --PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL. 20. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL
- INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES. REFER TO GEOTECHNICAL REPORT AND CROSS SECTIONS.
- 21. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- 22. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- 23. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS. 24 FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES

ANY SURFACE WATERS OR GROUNDWATER SYSTEMS

THIS E&S PLAN.

- 25. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- 26. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS. SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
- IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUB-AREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE. WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY THE PERMANENT STABILIZATION SPECIFICATIONS.
- 28. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS
- 29. E&S BMP'S SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
- 30. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE F&S BMP'S
- 31. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMP'S MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMP'S. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE BMP'S SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID RE-VEGETATION OF DISTURBED AREAS. SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON
- 32. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS. THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.
- 33. FAILURE TO CORRECTLY INSTALL E&S BMP'S, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMP'S MAY RESULT IN ADMINISTRATIVE. CIVIL. AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN
- MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION. 34. CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT BE ALLOWED TO ENTER
- 35. ALL CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO FILL, ROCKS, LEAVES, WOODY DEBRIS, ACCUMULATED SEDIMENT, EXCESS VEGETATION, AND CONSTRUCTION MATERIAL/WASTES.
- 36. SEDIMENT BASINS AND/OR TRAPS SHALL BE KEPT FREE OF ALL CONSTRUCTION WASTE, WASH WATER, AND OTHER DEBRIS HAVING POTENTIAL TO CLOG THE BASIN/TRAP OUTLET STRUCTURES AND/OR POLLUTE THE SURFACE WATERS. 37. SEDIMENT BASINS SHALL BE PROTECTED FROM UNAUTHORIZED ACTS BY THIRD PARTIES
- 38. ANY DAMAGE THAT OCCURS IN WHOLE OR IN PART AS A RESULT OF BASIN OR TRAP DISCHARGE SHALL BE IMMEDIATELY REPAIRED BY THE PERMITTEE IN A PERMANENT MANNER SATISFACTORY TO THE MUNICIPALITY, LOCAL CONSERVATION DISTRICT, AND THE OWNER OF THE DAMAGED PROPERTY.
- 39. UPON REQUEST, THE APPLICANT OR HIS CONTRACTOR SHALL PROVIDE AN AS-BUILT (RECORD DRAWING) FOR ANY SEDIMENT BASIN OR TRAP TO THE MUNICIPAL INSPECTOR, LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT
- 40. EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS.
- 41. FILL MATERIAL FOR EMBANKMENTS SHALL BE FREE OF ROOTS, OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBJECTIONABLE MATERIALS. THE EMBANKMENT SHALL BE COMPACTED IN MAXIMUM 10" LAYERED LIFTS AT 90% DENSITY.

CHAPTERS 287 RESIDUAL WASTE MANAGEMENT OR 271 MUNICIPAL WASTE MANAGEMENT, WHICHEVER IS APPLICABLE.

ASPHALT' DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE.)

42. SPREAD TOPSOIL, SEED AND MULCH ALL DISTURBED AREAS, USING THE SPECIFIED SEEDING REQUIREMENTS. ALL DISTURBED AREAS MUST BE TEMPORARILY STABILIZED IF REMAINING IDLE FOR MORE THAN 4 DAYS. IN THE ABSENCE OF A SOIL TEST, LIME SHOULD BE ADDED AT A RATE OF 275 LBS /1000 S.F. LIKEWISE, THE FERTILIZER RATES SHOULD BE INCREASED TO 1250 LBS / AC. OF 8-16-16 AND 2000 LBS / AC. OF 5-10-10.

CLEAN FILL AND ENVIRONMENTAL DUE DILIGENCE: THE NPDES PERMIT COVERS THE MOVING, DEPOSITING, STOCKPILING, OR STORING OF SOIL, ROCK OR EARTH MATERIALS'. IF THE SITE WILL NEED TO HAVE FILL

ENVIRONMENTAL DUE DILIGENCE MEANS PERFORMING INVESTIGATIVE TECHNIQUES FOR THE IMPORTED MATERIAL. THIS INCLUDES, BUT IS NOT LIMITED TO: VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY

OR RELEASE OF A REGULATED SUBSTANCE, IT MUST BE TESTED TO DETERMINE IF IT QUALIFIES AS CLEAN FILL. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) POLICY

OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING, AND ENVIRONMENTAL ASSESSMENTS OR AUDITS. ANALYTICAL TESTING IS NOT A REQUIRED PART OF DUE

DILIGENCE UNLESS VISUAL INSPECTION AND/OR REVIEW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT THE FILL MAY HAVE BEEN SUBJECTED TO A SPILL OR RELEASE OF REGULATED SUBSTANCE. IF THE FILL MAY HAVE BEEN AFFECTED BY A SPILL

'MANAGEMENT OF FILL'. FILL MATERIAL THAT DOES NOT QUALIFY AS CLEAN FILL IS REGULATED FILL, REGULATED FILL IS WASTE AND MUST BE MANAGED IN ACCORDANCE WITH THE DEP MUNICIPAL OR RESIDUAL WASTE REGULATIONS BASED ON 25 PA CODE,

CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT, AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. (THE TERM 'USED

Date:

IMPORTED FROM AN OFF SITE LOCATION, THE RESPONSIBILITY FOR PERFORMING ENVIRONMENTAL DUE DILIGENCE AND THE DETERMINATION OF CLEAN FILL WILL RESIDE WITH THE CONTRACTOR RESPONSIBLE FOR EARTHMOVING OPERATIONS.

MAINTENANCE AND INSPECTION SCHEDULE

| CONTROL MEASURE | INSPECT | PROBLEMS TO LOOK FOR | POSSIBLE REMEDIES |
|---------------------------------|---|--|--|
| VEGETATION | WEEKLY AND AFTER EVERY RUNOFF EVENT | SEDIMENT AT TOE OF SLOPE | CHECK FOR TOP-OF-SLOPE DIVERSION AND INSTALL IF NEEDED. |
| | | RILLS AND GULLIES FORMING | FILL RILLS AND REGRADE GULLIED SLOPES. |
| | | BARE SOIL PATCHES | RESEED, FERTILIZE, AND MULCH BARE AREAS. |
| ROCK | WEEKLY AND AFTER EVERY | SINK HOLES OR RUTS | ADD ROCK TO BRING TO SPECIFIED DIMENSIONS. |
| CONSTRUCTION ENTRANCES | RUNOFF EVENT | SEDIMENT ON PUBLIC ROADWAY | SWEEP MATERIAL BACK TO PROJECT SITE. DO NOT WASH ROADWAY WITH WATER. |
| COMPOST FILTER SOCK | WEEKLY AND AFTER EVERY RUNOFF EVENT | SEDIMENT ACCUMULATION ON UPSTREAM SIDE | REMOVE SEDIMENT WHEN LEVEL REACHES HALF OF THE EFFECTIVE HEIGHT |
| | | PONDING WATER | REMOVE SEDIMENT OR ADD ADDITIONAL SILTSOXX TO REDUCE SLOPE LENGTH |
| | | TEARING OR RIPPING OF FABRIC | REPLACE RIPPED SECTION WITH NEW SILTSOXX |
| INLET PROTECTION | WEEKLY AND AFTER EVERY | SEDIMENT ACCUMULATION | REMOVE SEDIMENT AND DISPOSE ON SITE. |
| | RUNOFF EVENT | SEDIMENT ACCUMULATED IN INLET FILTER BAG TO 1/2 FULL | CLEAN AND/OR REPLACE BAG |
| | | RUNOFF ESCAPING AROUND BARRIER | REBUILD BARRIER |
| | | FILTER BAG TORN OR DAMAGED | REPLACE BAG |
| SLOPE BLANKET | WEEKLY AND AFTER EVERY | LOSS OF PROTECTIVE LINING | RESHAPE AS NECESSARY AND REPLACE FABRIC |
| | RUNOFF EVENT | TORN/PUNCHED FABRIC | OVERLAP WITH CONTINUOUS PIECE OF MATTING. SECURELY ANCHOR WITH PROPER STAPLES. |
| CONCRETE WASHOUT FACILITY | DAILY | DAMAGED OR LEAKING WASHOUT | DEACTIVATED AND REPAIRED OR REPLACED AS NECESSARY. |
| | | ACCUMULATION OF MATERIALS (50% CAPACITY) | PLASTIC LINERS SHOULD BE REPLACED WITH EACH CLEANING. |

- ALL MAINTENANCE INSPECTIONS SHALL BE LOGGED ONTO DEP FORM # 3150-FM-BWEW0083, DATED 2/2012, AND
- ALL REPAIRS TO BE COMPLETED WITHIN 24 HOURS OF DISCOVERY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL TEMPORARY CONTROL MEASURES ALL DEVICES SHOULD BE INSPECTED WEEKLY AND AFTER EVERY RUNOFF EVENT. IF DURING THESE
- INSPECTIONS, ANY DEVICE IS FOUND TO BE CLOGGED, DAMAGED, HALF-FULL OF SILT OR NOT FULLY OPERATIONAL, THE DEVICE(S) SHALL BE CLEANED OF ALL DEBRIS.

TEMPORARY SEEDING SPECIFICATIONS:

<u>LIMESTONE</u> RAW, GROUND AGRICULTURAL LIMESTONE CONTAINING MORE THAN 90 PERCENT CALCIUM CARBONATES (ADJUST Ph LEVELS TO 6.5 TO 7.0). APPLY AT A RATE OF 1 TON/AC.

COMMERCIAL FERTILIZER IN ABSENCE OF A SOIL TEST, USE 1000 LB/AC OF 10-20-20 (23 LB/1000 SF) MIXED INTO SEEDBED PRIOR TO SEEDING, OR IN A TANK WITH SEED WHEN HYDROSEEDING.

MULCH CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OR NOXIOUS WEEDS AS DEFINED BY THE PENNSYLVANIA SEED ACT 1947. APPLY AT A RATE OF 3 TONS/AC (138 LBS/1000 SF). PRECAUTION SHALL BE TAKEN TO STABILIZE THE MULCH UNTIL THE VEGETATIVE COVER IS ESTABLISHED.

SEED MIXTURE SEED MIXTURE SHALL BEAR A GUARANTEED STATEMENT OF ANALYSIS AND SHALL BE COMPOSED OF

THE FOLLOWING VARIETIES AND MIXED IN THE PROPORTIONS SPECIFIED.

TEMPORARY LAWN PROPORTION MINIMUM PURITY SEED MIXTURE BY WEIGHT **LOLIUM PERENNE** PERENNIAL RYEGRASS

SPRING OR LATE FALL SEEDING. TEMPORARY SEEDING TEMPORARY SEEDING SHALL BE APPLIED AT THE RATE OF FOUR (4) POUNDS PER ONE THOUSAND

(1,000) SQUARE FEET.

ALL AREAS TO BE SEEDED SHALL BE LOOSENED TO A DEPTH OF AT LEAST TWO INCHES BY MECHANICAL MEANS AS APPROVED BY THE LANDSCAPE ARCHITECT.

THREE PERCENT REDTOP MAY BE ADDED TO THE LAWN MIXTURE ON SLOPE AREAS OR FOR LATE

MULCH SEEDED AREAS IMMEDIATELY AFTER SEEDING.

TOPSOIL 6" (MINIMUM) TOPSOIL SHALL BE REQUIRED ON ALL LAWN AREAS.

PLACE LIME AT RATE OF 6 TON/AC AND 5-10-10 FERTILIZER AT 300 LS/AC. SEEDING SEED ALL DISTURBED AREAS WITH THE TEMPORARY SEED MIXTURE EXCEPT THOSE AREAS SHOWN

TO BE SEEDED WITH STEEP SLOPE SEED MIX, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

PERMANENT SEEDING SPECIFICATIONS:

LIMESTONE RAW, GROUND AGRICULTURAL LIMESTONE CONTAINING MORE THAN 90 PERCENT CALCIUM CARBONATES (ADJUST Ph LEVELS TO 6.5 TO 7.0). APPLY AT A RATE OF 6 TON/AC (275 LB/ 1,000 SF).

COMMERCIAL FERTILIZER IN THE ABSENCE OF A SOIL TEST, USE 1000 LB/AC OF 10-20-20 (23 LB/1000 SF) MIXED INTO SEEDBED

PRIOR TO SEEDING, OR IN A TANK WITH SEED WHEN HYDROSEEDING. INOCULANT FOR TREATING LEGUMINOUS SEEDS SHALL BE A STANDARD COMMERCIAL PRODUCT CONSISTING OF A SUITABLE CARRIER CONTAINING A CULTURE OF NITROGEN FIXING BACTERIA SPECIFIC FOR SEEDS TO

BE INOCULATED. INOCULANT SHALL NOT BE USED LATER THAN DATE INDICATED ON THE CONTAINER. MULCH CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OF NOXIOUS WEEDS AS DEFINED BY THE PENNSYLVANIA SEED ACT 1947. APPLY AT A RATE OF 139 POUNDS

1,000 SQUARE FEET (3 TONS PER ACRE). PRECAUTIONS SHALL BE TAKEN TO STABILIZE MULCH UNTIL THE

VEGETATIVE COVER IS ESTABLISHED. SEED MIXTURE SEED MIXTURE SHALL BEAR A GUARANTEED STATEMENT OF ANALYSIS AND SHALL BE COMPOSED OF THE

| PERMANENT SEED MIXTURE | PROPORTION BY WEIGHT | MINIMUM PURITY |
|--------------------------------|-------------------------|-------------------|
| POA PRATENSIS | | |
| KENTUCKY BLUEGRASS | 50% | 85% |
| (COLUMBIA OR EQUAL) | | |
| LOLIUM PERENNE | | |
| TURF-TYPE PERENNIAL RYEGRASS | | |
| PENN-FINE PERENNIAL RYEGRASS | 25% | 98% |
| CITATION II PERENNIAL RYEGRASS | 25% | 98% |

FOLLOWING VARIETIES AND MIXED IN PROPORTIONS SPECIFIED.

PERMANENT SEEDING

PERMANENT SEEDING SHALL BE APPLIED AT A RATE OF FOUR (4) POUNDS PER ONE THOUSAND (1,000) SQUARE FEET.

GRADE AS NECESSARY TO BRING SUBGRADE TO A TRUE, SMOOTH SLOPE PARALLEL TO AND FOUR INCHES BELOW FINISH GRADE. PLACE TOPSOIL OVER SPECIFIED AREAS TO A DEPTH SUFFICIENTLY GREATER THAN SIX (6) INCHES SO THAT AFTER SETTLEMENT AND LIGHT ROOLING THE COMPLETE WORK WILL CONFORM TO LINES, GRADES AND ELEVATIONS SHOWN.

FERTILIZER AND AGRICULTURAL LIMESTONE SHALL BE THOROUGHLY INCORPORATED INTO THE SOIL BY ROTOTILLING OR OTHER METHOD TO A MINIMUM DEPTH OF FOUR (4) INCHES. THE ENTIRE SURFACE SHALL THEN BE REGRADED AND ROLLED. AREAS TO BE SEEDED SHALL THEN BE LOOSENED TO A DEPTH OF TWO (2) INCHES. SEEDING SHALL BE DONE IN TWO SEPARATE OPERATIONS. THE SECOND SEEDING SHALL BE DONE IMMEDIATELY AFTER THE FIRST AND AT RIGHT ANGLES TO THE FIRST SEEDING AND LIGHTLY RAKED INTO THE SOIL. MULCH SEEDED AREAS IMMEDIATELY AFTER SEEDING.

STEEP SLOPE SEEDING SPECIFICATIONS:

(STEEP SLOPE MIX - SLOPES STEEPER THAN 3:1)

3" (MINIMUM) TOPSOIL SHALL BE REQUIRED ON SLOPES STEEPER THAN 3:1

TACIFIED, NETTED OR OTHERWISE ANCHORED.

RAW, GROUND AGRICULTURAL LIMESTONE CONTAINING MORE THAN 90 PERCENT CALCIUM CARBONATES (ADJUST pH LEVELS TO BETWEEN 6.5 TO 7.0). APPLY AT A RATE OF 6 TONS PER ACRE (275 POUNDS PER 1,000 SQUARE FEET), UNLESS INDICATED OTHERWISE BY SOIL TESTS.

COMMERCIAL FERTILIZER IN THE ABSENCE OF A SOIL TEST, USE 1000 POUNDS 10-20-20 PER ACRE (23 POUNDS PER 1000 SQUARE FEET) MIXED INTO SEEDBED PRIOR TO SEEDING, OR IN A TANK WITH SEED WHEN HYDROSEEDING.

> INOCULANT FOR TREATING LEGUMINOUS SEEDS SHALL BE A STANDARD COMMERCIAL PRODUCT CONSISTING OF A SUITABLE CARRIER CONTAINING A CULTURE OF NITROGEN FIXING BACTERIA SPECIFIC FOR SEEDS TO BE INOCULATED. INOCULANT SHALL NOT BE USED LATER THAN DATE INDICATED ON THE CONTAINER. IF A HYDRAULIC METHOD OF APPLICATION IS USED, INCREASE INOCULANT FOUR (4) TIMES NORMAL APPLICATION RATES.

CLEAN OAT OR WHEAT STRAW SHALL BE FREE FROM MATURE SEED-BEARING STALKS OR ROOTS OF PROHIBITED OF NOXIOUS WEEDS AS DEFINED BY THE PENNSYLVANIA SEED ACT OF 1947. APPLY AT A RATE OF 139 POUNDS PER 1.000 SQUARE FEET (3 TONS PER ACRE). PRECAUTIONS SHALL BE TAKEN TO STABILIZE MULCH UNTIL THE VEGETATIVE COVER IS ESTABLISHED. STRAW SHALL BE CRIMPED.

SEED MIXTURE SHALL BEAR A GUARANTEED STATEMENT OF ANALYSIS AND SHALL BE COMPOSED OF THE

| FOLLOWING VARIETIES AND MIXED IN | PROPORTIONS | SPECIFIED. | | |
|--|----------------------|-------------------|------------------------|----------|
| STEEP SLOPE SEED MIXTURE (PADOT TYPE `W') | PROPORTION BY WEIGHT | MINIMUM PURITY | MINIMUM GERMINATION | |
| TALL FESCUE (FESTUCA ARUNDINACEA VAR. KENTUCKY 31) BIRDSFOOT TREFOIL MIXTURE | 70.0% | 98% 98% | 85% 80%* | |
| (LOTUS CORNICULATUS) A MIXTURE OF 1/2 VIKING AND 1/2 OF EITHER EMPIRE, NORCEN OR LEO. | | 3070 | 33.7 | |
| REDTOP (ARGROSTIS ALBA) | 10.0% | 92% | 80% | |
| * MINIMUM 20% HARDSEED AND 60% | NORMAL SPROU | TS. | | |
| STEEP SLOPE SEEDING SHALL BE API (1,000) SQUARE YARDS. | PLIED AT A RATE | OF ELEVEN | (11) POUNDS PER ONE T | HOUSAND |
| ALL AREAS TO BE SEEDED SHALL BE | SCARIFIED TO A | MINIMUM DE | EPTH OF AT LEAST THREE | E INCHES |

SEEDING RATES

PARALLEL TO CONTOURS BY MECHANICAL MEANS AS APPROVED BY THE LANDSCAPE ARCHITECT. THE COMMERCIAL FERTILIZER AND AGRICULTURAL GROUND LIMESTONE MAY BE SPREAD EVENLY ON AREAS TO BE SEEDED PRIOR TO TILLAGE AND INCORPORATED INTO THE SOIL AT THE SAME TIME. MULCH SEEDED AREAS IMMEDIATELY AFTER SEEDING.

SEED ALL SLOPES STEEPER THAN 3:1 WITH STEEP SLOPE MIX UNLESS NOTED OTHERWISE ON THE

800-FM-BCW0271d Rev. 1/2019

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

GENERAL INFORMATION

CHAPTER 102 VISUAL SITE INSPECTION REPORT

| Inspection Date: | | Inspection 1 | ime: | | AM / PM | Inspection No.: | |
|------------------------|----------------|-----------------|---------|---------------|-----------------|-----------------|--------|
| Inspection Type: | | | Pred | cipitation in | Previous 24 h | nours: | inches |
| Current Site Condition | s: Active Ea | rth Disturbance | ☐ Full | y Stabilized | d Snow C | overed | |
| Current Weather Con- | fitions: Rain/ | Sleet/Snow | Overcas | st 🗌 Sun | ny/Partly Sun | ny | |
| Permittee Name: | | | | In | spector Name | : | |
| Permittee Address: | | | | Ins | spector Phone | 5 | |
| City, State, Zip: | | | | ı | Inspector Firm | i: | |
| Project Name: | | | | | Inspector Title | : | |
| Municipality: | | | | | County | t. | |
| Permit Type: P | AG-02 IP | ESCGP E | SP | | Permit No. | : | |

| INSPECTION INFO | ORMATION |
|-----------------|----------|
| | Check if |

| | INSPECTION INFO | ORMATION | | |
|-----|--|-----------------------|------------------|---------------|
| | Areas for Inspection | Check if Inspected | Proble | ms Observed |
| 1. | Areas that have been cleared and grubbed, graded, excavated, or otherwise disturbed and are not yet stabilized. | | | |
| 2. | BMPs installed to comply with permit. | | | |
| 3. | Material, waste, borrow and equipment storage and maintenance areas covered by permit or E&S Plan approval. | | | |
| 4. | Areas where stormwater flows within the site, including drainageways designed to divert, convey and/or treat stormwater. | | | |
| 5. | Discharge points on-site. | | | |
| 6. | Locations where stabilization measures have been implemented. | | | |
| | Questions | | | Check One |
| 7. | Are the approved E&S Plan and drawings available on-site? | | | ☐Yes ☐No ☐N/A |
| 8. | Are the approved PCSM Plan and drawings available on-site? | | | ☐Yes ☐No ☐N/A |
| 9. | Are E&S BMPs properly installed, operational, and working as | | Yes No N/A | |
| 10. | Are PCSM BMPs properly installed, operational, and working a | | Yes No N/A | |
| 11. | Has a PPC Plan been prepared, implemented, and available of | | Yes No N/A | |
| 12. | Is all earth disturbance within the permitted limit of disturbance | ? | | Yes No N/A |
| 13. | Have all disturbed areas in which disturbance has cease stabilized? | d for more t | than 4 days been | Yes No N/A |

3800-FM-BCW0271d Rev. 1/2019

| | Questions | | Ch | eck On | 10 |
|---|--|---|------------|-------------------|------------|
| 14. I | Is the approved construction sequence being followed? | | Yes | No | |
| | Are areas intended for PCSM BMPs being protected fr runoff? | rom compaction and sediment laden | ☐ Yes | □No | |
| 16. For Questions 7 through 15, explain any answers of "No" in the space below or on a separate | | | | | |
| | Are there signs of visible accelerated erosion and sedin site? | nentation due to discharges from the | ☐ Yes | □No | |
| 18. <i>A</i> | Are there any unauthorized non-stormwater discharges of | ccurring from the site? | ☐ Yes | □No | |
| 8 | Do stormwater discharges, if occurring during inspection sheen, or substances that result in observed deposits or color, taste, odor or turbidity of the receiving water? | , contain floating solids, foam, scum, produce an observable change in the | ☐ Yes | □No | |
| 20. V | Were any instances of non-compliance observed during to | he inspection? | Yes | No | |
| | | | | | |
| | | | | | |
| | Are critical stages of implementation of the PCSM Plan or | | Yes | | |
| 23. I | If No. 22 is "Yes", is or was a licensed professional preser | nt on-site and responsible? | ☐ Yes | | |
| 23. I | | nt on-site and responsible? | 1000000000 | □ No | □ n |
| 23. I 24. I t 25. I | If No. 22 is "Yes", is or was a licensed professional preser | nt on-site and responsible? site, or exported from the site been ttach Form FP-001 to this report) that have commenced work on the | ☐ Yes | □ No | |
| 23. I 24. I t 25. I | If No. 22 is "Yes", is or was a licensed professional preser Has any fill material excavated on-site, imported to the tested for clean fill since the last inspection? (if "Yes" at Identify the names and addresses of all new operators inspection was conducted (see 25 Pa. Code § 102.1 for the | nt on-site and responsible? site, or exported from the site been ttach Form FP-001 to this report) that have commenced work on the | ☐ Yes | □ No | |
| 23. I 24. I t 25. I | If No. 22 is "Yes", is or was a licensed professional preser Has any fill material excavated on-site, imported to the tested for clean fill since the last inspection? (if "Yes" at Identify the names and addresses of all new operators inspection was conducted (see 25 Pa. Code § 102.1 for the | nt on-site and responsible? site, or exported from the site been ttach Form FP-001 to this report) that have commenced work on the part definition of "operator"). | ☐ Yes | □ No | |
| 23. I 24. I 1 25. I Name | If No. 22 is "Yes", is or was a licensed professional preser Has any fill material excavated on-site, imported to the tested for clean fill since the last inspection? (if "Yes" at Identify the names and addresses of all new operators inspection was conducted (see 25 Pa. Code § 102.1 for the | site, or exported from the site been ttach Form FP-001 to this report) that have commenced work on the part definition of "operator"). Name: | ☐ Yes | □ No | |
| 23. I 24. I 5 25. I Name Addre | If No. 22 is "Yes", is or was a licensed professional preser Has any fill material excavated on-site, imported to the tested for clean fill since the last inspection? (if "Yes" at Identify the names and addresses of all new operators inspection was conducted (see 25 Pa. Code § 102.1 for the e: | site, or exported from the site been ttach Form FP-001 to this report) that have commenced work on the part definition of "operator"). Name: Address: City, State, Zip: | ☐ Yes | □ No □ No since | |
| 23. I 24. I 25. I Name Addre City, | If No. 22 is "Yes", is or was a licensed professional preser Has any fill material excavated on-site, imported to the tested for clean fill since the last inspection? (if "Yes" at Identify the names and addresses of all new operators inspection was conducted (see 25 Pa. Code § 102.1 for the tess: State, Zip: For new operators listed above, has the Transferee/Co-Pe | site, or exported from the site been ttach Form FP-001 to this report) that have commenced work on the predefinition of "operator"). Name: Address: City, State, Zip: | Yes Yes | □ No □ No □ since | the I |
| 23. I 24. I 25. I Name Addre City, I 26. (| If No. 22 is "Yes", is or was a licensed professional preser Has any fill material excavated on-site, imported to the tested for clean fill since the last inspection? (if "Yes" at Identify the names and addresses of all new operators inspection was conducted (see 25 Pa. Code § 102.1 for the e: ress: State, Zip: For new operators listed above, has the Transferee/Co-Pe and submitted? | site, or exported from the site been ttach Form FP-001 to this report) that have commenced work on the part definition of "operator"). Name: Address: City, State, Zip: ermittee Application been completed should be taken by the permittee to co | Yes Yes | □ No □ No □ since | the I |

I certify under penalty of law (see 18 Pa. C.S. § 4904 (relating to unsworm faistfication)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting talse information, including the possibility of fine and imprisonment for knowing violations.

DESIGNED BY: AGM

- 2

EROSION AND SEDIMENTATION

Evans City, PA 16033 Phone: 724-432-3101

The Residences at Poplar, LLC

1272 Mars Evans City Road

Sheet No.

The Residences at Poplar

Residential Development

The Residences at Poplar, LLC

DATE ISSUED: 04/08/2020 REVIEWED BY: GLF PROJECT JOB#: FIELD BOOK #:

NONE

CONTROL PLAN - GENERAL NOTES

HE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN A PPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED 'THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHAL OMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY ND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR' FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND AL

POCS SER. #: 2017

INDERGROUND UTILITIES.

(now what's **below.**

WNSHIP RESUBMISSION

Revision Description:

PROFESSIONAL GRAHAM LEE FERRY \ PE074237 *|* ,

Professional Seal

Sheffler & Company, Inc. **ENGINEERING • SURVEYING** 1712 Mount Nebo Road Office Phone: 412-219-4509

Prepared By:

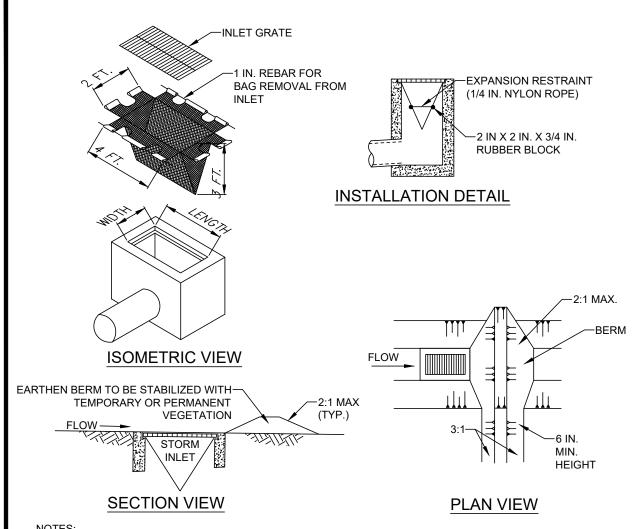
Email: Info@ShefflerCo.com

Sewickley, PA 15143

Municipality of Mt. Lebanon, Allegheny County, Pennsylvania

CADD#:

SCALE:



NOTES:

MAXIMUM DRAINAGE AREA = 1/2 ACRE.

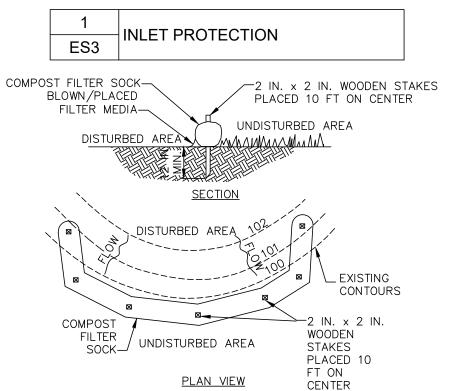
INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS.

ROLLED EARTHEN BERM IN ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR REMAIN PERMANENTLY.

AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS., A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.

INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.



SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.

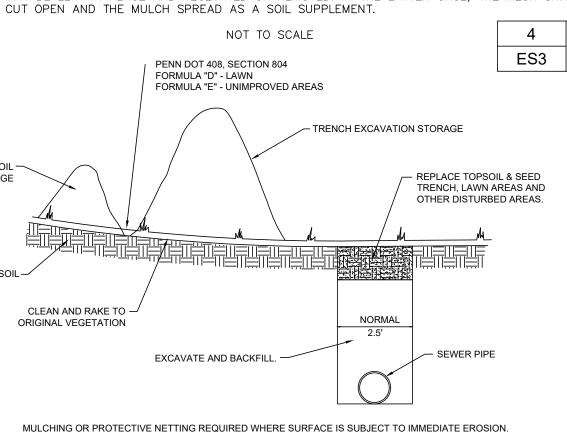
TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN. COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED

SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE

SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE



6 EROSION CONTROL FOR SEWER

BLANKET EDGES STAPLED INSTALL BEGINNING OF ROLL IN AND OVERLAPPED 6 IN. x 6 IN. ANCHOR TRENCH, (4 IN. MIN.) STAPLE, BACKFILL AND COMPACT SOIL STARTING AT TOP OF SLOPE, **ROLL BLANKETS IN DIRECTION** OF WATER FLOW PREPARE SEED BED (INCLUDING APPLICATION OF LIME, FERTILIZER AND SEED) PRIOR TO **BLANKET INSTALLATION** THE BLANKET SHOULD -OVERLAP BLANKET ENDS 6 IN. MIN. WITH-REFER TO MANUF. RECOMMENDED NOT BE STRETCHED: IT THE UPSI OPE BI ANKED OVERLYING THE MUST MAINTAIN GOOD DOWNSLOPE BLANKET (SHINGLE STYLE). AND LENGTH OF SLOPE BEING SOIL CONTACT STAPLE SECURELY.

SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING

PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.

THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.



| | Compos | | LE 4.1 | aifications | | | |
|---|--------------------|--------------------------|---|--|---|--|--|
| Material Type | 3 mil HDPE | 5 mil HDPE | 5 mil HDPE | Multi-Filament Polypropylene (MFPP) | Heavy Duty Multi-Filament Polypropylene (HDMFPP) | | |
| Material | Photo- | Photo- | Bio- | Photo- | Photo- | | |
| Characteristics | degradable | degradable | degradable | degradable | degradable | | |
| Sock Diameters | 12" 18" | 12" 18" 24" 32" | 12" 18" 24" 32" | 12" 18" 24" 32" | 12" 18" 24" 32" | | |
| Mesh Opening | 3/8" | 3/8" | 3/8" | 3/8" | 1/8" | | |
| Tensile Strength | 3 | 26 psi | 26 psi | 44 psi | 202 psi | | |
| Ultraviolet Stability % Original Strength (ASTM G-155) Minimum Functional | 23% at 1000 hr. | 23% at 1000 hr. | 6 months | 100% at 1000 hr. | 100% at 1000 hr. 2 years | | |
| Longevity | o monaro | o monaio | o montrio | , your | L yours | | |
| | | Two-ply | y systems | 1 | | | |
| Innar C | ontainment Ne | etina. | | HDPE biaxial net Continuously wound | | | |
| miler C | omaniment Ne | ung | Fusion-welded junctures 3/4" X 3/4" Max. aperture size Composite Polypropylene Fabric | | | | |
| Outer Filtration Mesh | | | (Wove mechan | posite Polypropyle n layer and non-w iically fused via ne 3/16" Max. aperture | oven fleece edle punch) | | |
| Sock fabric | s composed of | burlap may be | | cts lasting 6 mont | | | |

TABLE 4.2

| Organic Matter Content | 25% - 100% (dry weight basis) |
|----------------------------|-----------------------------------|
| Organic Portion | Fibrous and elongated |
| рН | 5.5 - 8.5 |
| Moisture Content | 30% - 60% |
| Particle Size | 30% - 50% pass through 3/8" sieve |
| Soluble Salt Concentration | 5.0 dS/m (mmhos/cm) Maximum |
| | |

INSTALL ON FLAT GRADE FOR OPTIMAL PERFORMANCE. 16" DIAMETER FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" STAPLING PATTERN FOR STEEPNESS DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.

NOTES:

Filtrexx & JMD

COMPOST FILTER SOCK

SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS

BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.

BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED



| meters | 18" | 24" | 24" | 24" | 24" |
|---|--------------------|--------------------|----------|---------------------|---------------------|
| | | 32" | 32" | 32" | 32" |
| Opening | 3/8" | 3/8" | 3/8" | 3/8" | 1/8" |
| ensile rength | | 26 psi | 26 psi | 44 psi | 202 psi |
| raviolet bility % riginal rength M G-155) | 23% at 1000 hr. | 23% at 1000 hr. | | 100% at 1000 hr. | 100% at 1000 hr. |
| nimum ictional | 6 months | 9 months | 6 months | 1 year | 2 years |

| Comp | ost Standards |
|----------------------------|-----------------------------------|
| Organic Matter Content | 25% - 100% (dry weight basis) |
| Organic Portion | Fibrous and elongated |
| рН | 5.5 - 8.5 |
| Moisture Content | 30% - 60% |
| Particle Size | 30% - 50% pass through 3/8" sieve |
| Soluble Salt Concentration | 5.0 dS/m (mmhos/cm) Maximum |

CONSTRUCTION STAGING

- MAXIMUM DEPTH OF CONCRETE

∠ 2" X 2" X 36" WOODEN STAKES

- 24" DIAMETER COMPOST FILTER

- MOUNTABLE BERM

AS NECESSARY

PLACED 5' O.C.

SOCK.

- DIRECT CONCRETE WASHOUT

- 24" DIAMETER COMPOST FILTER

UPSLOPE SIDE OF FILTER RING.

SOCK. 4" MIN. OVERLAP ON

WATER INTO FILTER RING

WASHOUT WATER IS 50% OF

FILTER RING HEIGHT

~ 2" X 2" X 36" WOODEN STAKES

PLACED 5' O.C.

A SUITABLE IMPERVIOUS GEOMEMBRANE LINER SHALL BE PLACED AT

CONCRETE WASHOUT AREA

PLAN VIEW

3. RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO

4. MOUNTABLE BERM SHOULD BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED. PIPE TO BE

5. REFER TO SITE PLANS FOR SIZE AND LOCATION. WHERE APPLICABLE, REFER TO HOP PLANS FOR SIZE

ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED

ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE

CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON

ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50' INCREMENTS UNTIL CONDITION

IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO

ROCK CONSTRUCTION ENTRANCE

STREET OR ROADWAY

<u>Plan view</u>

THE UPSLOPE DIVERSION CHANNEL SHOULD BE INSTALLED WHEREVER THE LOT EXTENDS MORE

THAN 150 FEET ABOVE THE ROADWAY OR WHERE RUNOFF FORM AREAS ABOVE THE LOT IS

AND PROVIDED WITH A SUITABLE PROTECTIVE LINING. THE DESIGNER AND/OR CONTRACTOR

ES3 | ABOVE ROADWAY

NOT OTHERWISE DIVERTED AWAY FROM THE LOT. THE CHANNEL SHOULD BE PROPERLY SIZED

MUST EXERCISE CAUTION TO PROTECT ALL DOWNSTREAM PROPERTY OWNERS WHEN SELECTING

7 TYPICAL ON-LOT BMPs FOR LOT

OUTLET SWALE

TO ADEQUATE

-DIRECT RUNOFF FROM

CONSTRUCTION

SEDIMENT BARRIER

ENTRANCE

DRIVEWAY TO

DRAINAGEWAY

DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE

THE ROADWAY DITCHES, CULVERTS, OR OTHER DRAINAGE WAYS IS NOT ACCEPTABLE.

HOUSE

1. TOPSOIL SHALL BE REMOVED PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE.

THE LOCATION PRIOR TO THE INSTALLING THE SOCKS.

GEOTEXTILE -

GROUND

2. EXTEND ROCK OVER WIDTH OF ENTRANCE.

AND LOCATION ON STATE ROADWAYS.

ENTERING ROCK CONSTRUCTION ENTRANCE.

SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED

DIVERSION SWALE-

FILTER FABRIC FENCE,

COMPOST FILTER SOCK OR

SEDIMENT FILTER LOG (TYP.)

A DISCHARGE POINT FOR THIS CHANNEL.

(REFER T

SITE PLANS

NOTE: FOR ALL DISTURBED AREAS: AS SOON AS SLOPES, DITCHES, AND OTHER DISTURBED AREAS REACH FINAL GRADE THEY MUST BE STABILIZED. UPON COMPLETION OR TEMPORARY CESSATION OF EARTH DISTURBANCE ACTIVITY, OR ANY STAGE THEREOF, THE PROJECT SITE SHALL BE IMMEDIATELY

ALL CONSTRUCTION SHALL TAKE PLACE WITHIN THE LIMITS OF DISTURBANCE AS NOTED ON THE DRAWING. AS THE DRAINAGE AREA TO EACH OF THE EROSION CONTROL FACILITIES ESTABLISHES A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENT IS ESTABLISHED, REMOVE THE PARTICULAR CONTROL

WHEN CLEANING EXCESS SEDIMENT FROM THE E&S CONTROL FACILITIES, PLACE SEDIMENTS IN GRASS AREAS WHICH DO NOT RECEIVE CONCENTRATED STORM FLOWS AND ARE CONTROLLED BY BMP'S (WITHIN LIMITS OF DISTURBANCE). THEN SEED OVER AREA USING SEEDING SPECIFICATIONS.

UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY THE SITE SHALL BE IMMEDIATELY SEEDED PER THE PERMANENT OR TEMPORARY SEEDING SPECIFICATIONS DEPENDING ON THE SITUATION. EROSION AND SEDIMENT CONTROL BMP'S SHALL BE IMPLEMENTED AND MAINTAINED UNTIL THE PERMANENT STABILIZATION IS COMPLETED. FOR AN EARTH DISTURBANCE TO BE CONSIDERED PERMANENTLY STABILIZED, THE DISTURBED AREA SHALL BE COVERED WITH ONE OF THE FOLLOWING: A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENT; OR AN ACCEPTABLE BMP WHICH PERMANENTLY MINIMIZES ACCELERATED EROSION AND SEDIMENT.

CONSTRUCTION SEQUENCE

A GENERALIZED CONSTRUCTION SEQUENCE IS PROVIDED BELOW. THE CONSTRUCTION SEQUENCE IS INTENDED TO PROVIDE A GENERAL COURSE OF ACTION IN ORDER TO CONFORM TO THE APPLICABLE REGULATORY AGENCY REQUIREMENTS FOR TEMPORARY AND PERMANENT SOIL EROSION AND SEDIMEN POLLUTION CONTROL, ALL NECESSARY PARTS FOR PROPER AND COMPLETE EXECUTION OF WORK PERTAINING TO THIS PLAN, WHETHER SPECIFICALLY MENTIONED OR NOT, ARE TO BE PERFORMED BY THE CONTRACTOR. IT IS NOT INTENDED THAT THE DRAWINGS AND THIS REPORT SHOW EVERY DETAILED PIECE OF MATERIAL OR EQUIPMENT. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS LISTED IN THIS SECTION. THE CONTRACTOR MAY BE REQUIRED TO ALTER CONTROLS BASED ON EFFECTIVENESS OF CONTROLS OR DIFFERING CONDITIONS ENCOUNTERED.

UPON COMPLETION OF AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY, THE SITE SHALL BE IMMEDIATELY STABILIZED OR OTHERWISE PROTECTED FROM ACCELERATED FROSION AND DISCHARGE OF SEDIMENT. ALL DISTURBED AREAS WHICH ARE AT FINAL GRADE AND WILL NOT BE FURTHER DISTURBED SHALL BE SEEDED PER THE PERMANENT SEEDING SPECIFICATIONS. DISTURBED AREAS LEFT IDLE FOR MORE THAN 4 DAYS SHOULD BE TEMPORARILY SEEDED AND MULCHED. CONTACT THE LOCAL COUNTY CONSERVATION DISTRICT FOR A PRE-CONSTRUCTION MEETING PRIOR TO ANY EARTHWORK

CONSTRUCTION SEQUENCE

1. STAKE OUT LIMIT OF DISTURBANCE FOR GRADING OPERATIONS FOR THE ENTIRE SITE. IN ADDITION, ORANGE CONSTRUCTION FENCE SHALL BE PLACED AROUND ALL ENVIRONMENTALLY SENSITIVE FEATURES TO BE PROTECTED ON

2. INSTALL THE ROCK CONSTRUCTION IN THE LOCATION SHOWN ON THE PLAN DRAWINGS AND IN ACCORDANCE WITH THE CONSTRUCTION DETAIL.

a. THE ROCK CONSTRUCTION ENTRANCE WILL BE A MINIMUM OF 50' LONG AND 20' WIDE. b. DURING CONSTRUCTION, DIRT TRACKED ON PUBLIC ROADS SHALL BE REMOVED USING A VACUUM TRUCK SWEEPER OR SWEEPER WITH A CATCH BIN ATTACHMENT ON A DAILY BASIS. AFTER CONSTRUCTION, STREET SWEEPING SHALL RF CONDUCTED IN ACCORDANCE WITH THE GUIDELINES OF THE OPERATIONS AND MAINTENANCE SCHEDULE. IF WEATHER CONDITIONS RESTRICT A SCHEDULED DAY THAT STREET SWEEPING IS TO OCCUR, THE PROCESS SHOULD BE RESCHEDULED AS SOON AS POSSIBLE WHEN WEATHER ALLOWS STREET SWEEPING TO BE ACCOMPLISHED. WASHING OF ROADWAYS IS STRICTLY PROHIBITED.

3. INSTALL COMPOST FILTER SOCK CFS-1 THROUGH CFS-3 IN THE LOCATION SHOWN ON THE PLAN AND IN ACCORDANCE WITH THE DETAILS PROVIDED AND IN STRICT CONFORMANCE WITH THE PADEP ALLOWABLE SLOPE LENGTHS, PER CHAPTER

4. CLEAR AND GRUB ALL AREAS NECESSARY FOR GRADING OPERATIONS. CLEARING AND GRUBBING IS AN ONGOING PROCESS THAT SHOULD ONLY BE CONDUCTED WHEN WORK IS ABOUT TO BEGIN IN ANY SPECIFIC AREA OF THE SITE. TOTAL CLEARING AND GRUBBING OF THE SITE IN ANTICIPATION OF FUTURE PROJECT WORK IS STRICTLY PROHIBITED

5. STRIP TOPSOIL AND STOCKPILE IN THE LOCATION SHOWN ON THE PLAN. IMMEDIATELY INSTALL COMPOST FILTER SOCK BELOW THE TOPSOIL STOCKPILE AREA.

6. ALL TOPSOIL STOCKPILES UTILIZED DURING ANY STAGE OF CONSTRUCTION MUST BE SEEDED IMMEDIATELY PER THE TEMPORARY SEEDING SPECIFICATIONS IF NOT IN USE FOR LONGER THAN FOUR CONSECUTIVE DAYS.

7. NO MORE THAN 15,000 SQUARE FEET OF DISTURBED AREA MAY REACH FINAL GRADE BEFORE THE INITIATION OF

8. CONSTRUCT THE STORM WATER COLLECTION/CONVEYANCE SYSTEM INCLUDING THE UNDERGROUND DETENTION SYSTEM TO BE UTILIZED POST CONSTRUCTION CONDITION. REFER TO THE POST CONSTRUCTION STORMWATER MANAGEMENT PLAN FOR INSTALLATION REQUIREMENTS.

SUITABLE MATERIAL. GEOECHNICAL ENGINEER SHOULD VERIFY SOIL CAPABILITIES.

A. ENSURE AREA IS FREE OF ALL TREE ROOTS, ROCKS AND BOULDERS B. BEGIN EXCAVATION TO THE DESIRED BOTTOM OF TANK ELEVATION. ENSURE THE BASIN BOTTOM CONSISTS OF PERMEABLE SOILS, AND DO NOT COMPACT THE BASIN BOTTOM. VERIFY SOIL FROM THE EXCAVATION OF THE BASIN FOR

10. CONTINUE MASS GRADING OPERATIONS, THE FILL SLOPES SHALL BE GRADED BACK DOWN FROM THE TOP OF SLOPE AT THE END OF EACH DAY SO THAT RUNOFF IS DIRECTED AWAY FROM THE OUT SLOPES. AS SLOPE AREAS ARE BROUGHT TO FINAL GRADE, INSTALL EROSION CONTROL BLANKETING ON CUT AND FILL SLOPES, AS INDICATED ON THE PLAN AND IN ACCORDANCE WITH THE CONSTRUCTION DETAIL. AS SOON AS THE PROPOSED FILL SLOPES ARE BROUGHT TO FINAL GRADE, IMMEDIATELY SEED AND MULCH IN REGULAR 15' VERTICAL INCREMENTS TO PROMOTE EARLY STABILIZA

11. THE PROPOSED FILL SLOPES ARE TO BE CONSTRUCTED TO A MAXIMUM HEIGHT OF 30 FEET ABOVE THE COMPOST FILTER SOCKS. ONCE THIS HEIGHT IS ACHIEVED, THE SLOPES MUST BE PERMANENTLY STABILIZED ACCORDING TO THE DETAILS PROVIDED. WHEN THE SLOPES REACH FULL STABILIZATION, THE COMPOST FILTER SOCKS ARE TO BE RE-INSTALLED NEAF THE TOP OF SLOPE, AND THEN FURTHER FILL OPERATIONS CAN PROCEED. THIS PROCESS IS TO BE CONTINUED UNTIL FINAL

12. BEGIN INSTALLATION OF THE PROPOSED AND REMAINING UNDERGROUND UTILITIES IN CONJUNCTION WITH THE GRADING OPERATIONS. REFER TO THE UTILITY LINE INSTALLATION REQUIREMENTS BELOW, AS EACH INLET IS CONSTRUCTED. IMMEDIATELY INSTALL FILTER BAG INLET PROTECTIONS.

13. INSTALL THE SITE SERVICE UTILITIES (SEWER, GAS, WATER, AND ELECTRIC) AS SHOWN ON THE PLAN. REFER TO THE UTILITY LINE INSTALLATION REQUIREMENTS BELOW

14. BEGIN CONSTRUCTION OF THE PROPOSED STRUCTURE IN ACCORDANCE WITH THE MANUFACTURE'S INSTRUCTION. 15. COMPLETE REMAINDER OF FINAL GRADING OPERATIONS.

16. PREPARE AREAS FOR PAVING/SITE FURNISHINGS AND INSTALL IN ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS. INSTALL THE CONCRETE WASHOUT AREA AS SHOWN ON THE PLAN, IN ACCORDANCE WITH THE CONSTRUCTION DETAIL, PRIOR TO ANY CONCRETE POURS, INCLUDING NEW CURB, SIDEWALK, AND BUILDING FOUNDATIONS.

17. REMOVE ROCK CONSTRUCTION ENTRANCE IN CONJUNCTION WITH FINAL PAVING OPERATIONS.

18. REPLACE TOPSOIL ON NON-PAVED AREAS FOR SEEDING. SEED AND MUI CH ALL DISTRUBED AREAS USING THE SPECIFIED SEEDING REQUIREMENTS FOUND ON THE DETAILED PLAN. ALL DISTRUBED AREAS MUST BE TEMPORARILITY STABILIZED IF REMAINING IDLE OR ANTICIPATED TO REMAIN IDLE. NO MORE THAN 15,000 SQUARE FEET OF DISTRUBED AREA MAY REACH FINAL GRADE BEFORE INTIATING SEEDING AND MULCHING OPERATIONS.

19. RESEED ALL DISTURBED AREAS IF 70% PERENNIAL VEGETATIVE COVER IS NOT ESTABLISHED AFTER 30 DAYS.

20. REMOVE ALL COMPOST FILTER SOCK AND INLET PROTECTION FOLLOWING COMPLETION OF THE ABOVE STEPS AND AFTER THE SITE HAS ACHIEVED A UNIFORM 70% PERENNIAL VEGETATIVE COVER ON UNPAVED AREAS. 21. FOR ANY DE-WATERING ACTIVITIES INCIDENTAL TO TRENCHING OPERATIONS, DISCHARGE MUST BE PUMPED THROUGH A

UTILITY INSTALLATION

PUMPED FILTER BAG PER THE DETAILS SHOWN ON THE E&S DETAILS.

THE FOLLOWING CONSTRUCTION SEQUENCE OUTLINES THE PRESCRIBED SOIL EROSION AND SEDIMENTATION CONTROL MEASURES TO BE USED IN ASSOCIATION WITH THE INSTALLATION OF UTILITY OR SEWER LINES THAT ARE NOT SITUATED WITHIN THE AREAS CONTROLLED BY OTHER SEDIMENT CONTROL MEASURES.

1. CONSTRUCTION REQUIREMENTS:

a. LIMIT ADVANCE CLEARING AND GRUBBING OPERATIONS TO A DISTURBANCE EQUAL TO TWO TIMES THE LENGTH OF PIPE INSTALLATION THAT CAN BE COMPLETED IN ONE DAY. b. WORK CREWS AND EQUIPMENT FOR TRENCHING, PLACEMENT OF PIPE, PLUG CONSTRUCTION, AND BACKFILLING WILL BE SELF-CONTAINED AND SEPARATE FROM CLEARING AND GRUBBING AND SITE RESTORATION AND STABILIZATION OPERATIONS c. LIMIT DAILY TRENCH EXCAVATION TO THE LENGTH OF PIPE PLACEMENT, PLUG INSTALLATION,

AND BACKFILLING THAT CAN BE COMPLETED WITHIN THE SAME DAY. 2. TRENCH PLUGS WILL BE SPACED AND CONSTRUCTED AS DETAILED ON THE PLANS 3. AT ALL CROSSINGS OF WATERS OF THE COMMONWEALTH (IF APPLICABLE), TRENCH PLUGS WILL BE

INSTALLED AT THE BANKS AFTER TRENCH EXCAVATION. THE PLUGS MAY BE TEMPORARILY REMOVED WHEN PLACING THE PIPE, BUT THEN REPLACED. 4. CONSTRUCTION OF THE CROSSINGS WILL BE IN ACCORDANCE WITH PROCEDURES PRESCRIBED. a. WATER WHICH ACCUMULATES IN THE OPEN TRENCH WILL BE COMPLETELY REMOVED BY

PUMPING, BEFORE PIPE PLACEMENT AND/OR BACKFILLING.

b. ON THE DAY FOLLOWING PIPE PLACEMENT AND TRENCH BACKFILLING, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS AND APPROPRIATE TEMPORARY EROSION AND SEDIMENT POLLUTION CONTROL MEASURES / FACILITIES WILL BE INSTALLED AS ILLUSTRATED ON THE PLANS. SEEDING AND MULCHING OF ALL DISTURBED AREAS WILL BE DONE UPON COMPLETION

OF GRADING OPERATIONS c. INLET PROTECTION SHALL BE PROVIDED IMMEDIATELY FOLLOWING CONSTRUCTION OF THE

CONSTRUCTION OCCURRING IN AREAS THAT SHALL IMPACT A DELINEATED STREAM, SHALL BE SUPPLEMENTED WITH ADDITIONAL, BY-PASS PUMPING. REFER TO THE DETAILS INCLUDED ON THE PLAN DRAWINGS, AS WELL AS THE ACCOMPANYING DETAIL-SPECIFIC CONSTRUCTION SEQUENCE. ALL EARTHWORK OPERATIONS CONDUCTED WITHIN A STREAM AREA, SHALL BE COMPLETED PER THE

REQUIREMENTS OF \$102.11(A)(1). 6. EXCEPTIONS:

IN CERTAIN CASES, TRENCHES CANNOT BE BACKFILLED UNTIL THE PIPE ANCHORS AND OTHER PERMANENT FEATURES ARE INSPECTED. IN THESE CASES, ALL THE REQUIREMENTS LISTED UNDER ITEM 2 WILL REMAIN IN EFFECT WITH THE FOLLOWING EXCEPTION: IF DAILY BACKFILLING IS DELAYED. THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS APPROPRIATE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES / FACILITIES WILL BE

INSTALLED, AND THE AREA SEEDED AND MULCHED THE SAME DAY. PUMPED WATER FILTER BAGS SHOULD BE MOVED ALONG THE LENGTH OF TRENCHES WHEN THE MAXIMUM DISTANCE OF THE PUMPING HOSE IS EXCEEDED. THE FILTER BAG SHOULD BE INSTALLED AND UTILIZED (AS NECESSARY) IN ACCORDANCE WITH THE DETAIL. THE BAG SHOULD ALWAYS BE LOCATED ON A PROPERLY STABILIZED AND APPROPRIATE LOCATION.

RECYCLING AND WASTE DISPOSAL:

ANY OFF-SITE WASTE AND BORROW AREAS MUST BE HAVE AN E&S PLAN REVIEWED AND

UPON COMPLETION OF THE PROJECT, RECYCLING OR DISPOSAL OF ALL MATERIALS WHICH

CONSTRUCTION WASTE INCLUDES, BUT IS NOT LIMITED TO, EXCESS SOIL MATERIALS, SILT REMOVED FROM EROSION CONTROL FACILITIES, EXCESS BUILDING MATERIALS, CONCRETE

STOCKPILE, OR IN LAWN OR LANDSCAPE AREAS.

THERE WERE NO KNOW NATURALLY OCCURRING GEOLOGIC FORMATIONS OR SOIL CONDITIONS

GEOGRAPHICAL ENGINEER AND/OR DEP.

GEOLOGICAL ROCK FORMATIONS OR SOIL CONDITIONS THAT ARE IDENTIFIED BY THE GEOTECHNICAL ENGINEER ON SITE THAT HAVE THE POTENTIAL TO DEGRADE WATER QUALITY WILL BE ISOLATED IN PLACE OR WILL BE RELOCATED ONSITE FOLLOWED BY APPROPRIATI CAPPING WITH AN IMPERVIOUS SURFACE SUCH AS PAVEMENT OR A BUILDING. OR WILL BE EXCAVATED AND REMOVED TO AN OFF-SITE DISPOSAL AREA APPROVED TO HANDLE

APPROVED BY THE DISTRICT OR DEP PRIOR TO BEING ACTIVATED.

COULD CAUSE POLLUTION SHALL BE THE RESPONSIBILITY OF THE EARTHMOVI

WASH WATER, SANITARY WASTES, AND OBSOLETE EROSION CONTROL MATERIALS (SILT FENCE, SILT SACKS, ETC.). SILT REMOVED FROM SEDIMENT CONTROL FACILITIES SHALL BE SPREAD ON THE TOPSOIL

OBSOLETE EROSION CONTROL MATERIALS AND EXCESS BUILDING MATERIALS MUST BE

LOCATED ON THE SITE THAT HAVE THE POTENTIAL TO CAUSE POLLUTION DURING CONSTRUCTION. IF SUCH CONDITIONS ARE ENCOUNTERED, STOP WORK AND CONTACT THE

HAZARDOUS WASTE. DEPENDING ON THE LEVEL OF CONTAMINATION, BLENDING OF SOIL MAY ACHIEVE ACCEPTABLE STANDARDS

ES3 | TRENCHES Know what's **below.** Call before you dig. POCS SER. #: 2017 HE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN A PPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIE 'THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHAL COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY ND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR' FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL JNDERGROUND UTILITIES.

Revision Description Prepared By: Professional Seal OWNSHIP RESUBMISSION **⚠** Sheffler & Company, Inc. PROFESSIONAL **ENGINEERING • SURVEYING** GRAHAM LEE FERRY ENGINEER √ PE074237 🌽 1712 Mount Nebo Road Office Phone: 412-219-4509 Sewickley, PA 15143 Email: Info@ShefflerCo.com

EROSION AND SEDIMENTATION The Residences at Poplar The Residences at Poplar, LLC 1272 Mars Evans City Road Evans City, PA 16033 Residential Development **CONTROL PLAN DETAILS** Phone: 724-432-3101 AS SHOWN DESIGNED BY: AGM Sheet No. The Residences at Poplar, LLC DATE ISSUED: 04/08/2020 | REVIEWED BY: GLF PROJECT JOB#: FIELD BOOK #: Municipality of Mt. Lebanon, Allegheny County, Pennsylvania CADD#: