SCHULTZ COMMUNITY CENTER - OFFICE SUITE ADDITIONS MEADOWOOD

PRELIMINARY / FINAL PLAN LAND DEVELOPMENT PLAN TOWNSHIP of WORCESTER - MONTGOMERY COUNTY - PENNSYLVANIA

PROJECT SHEET INDEX

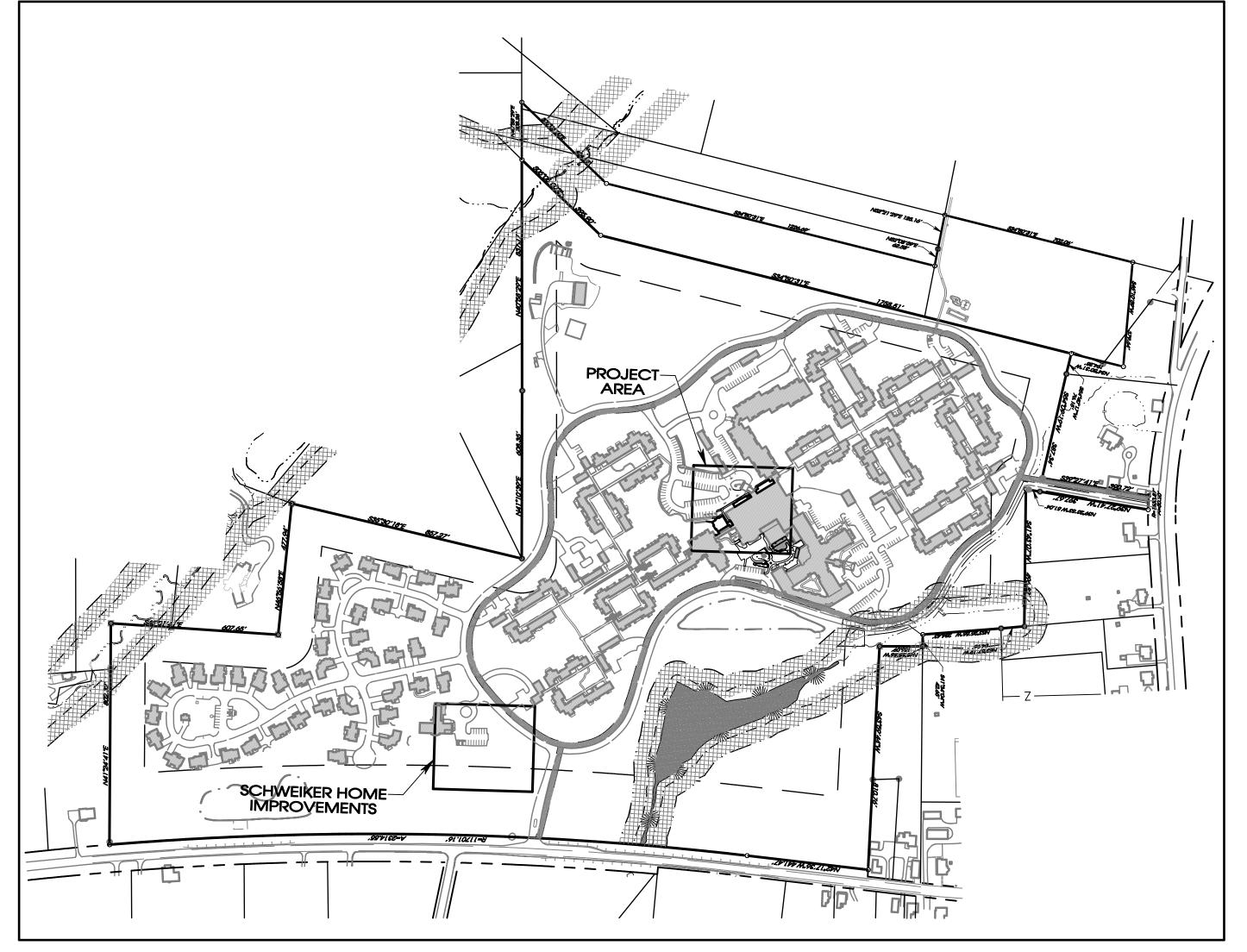
SHEET DESCRIPTION: COVER - INDEX SHEET RECORD PLAN - OVERALL TRACT LAYOUT PLAN - PROJECT AREA EXISTING FEATURES PLAN — OVERALL TRACT EXISTING FEATURES & DEMOLITION - PROJECT AREA SITE IMPROVEMENTS PLAN - PROJECT AREA STORMWATER IMPROVEMENTS — SCHWEIKER HOME

CONSTRUCTION DETAILS

The Cover Sheet (Sheet 1) and Record Plan — Overall Tract (Sheet 2) are to be recorded together with the Montgomery County Recorder of Deeds. Plan Sheets 3 through 7 inclusive, on record at Worcester Township, shall be considered a part of the Approved Final Plan as if Recorded with same.

OVERALL SITE STATISTICS

PROJECT TRACT AREA SCHEDULE: Meadowood Tract (Block 28 Unit 28) PECO Lease Hold Area (Block 28 Unit 66)	112.2852 Acres 12.8761 Acres	IMPERVIOUS COVERAGE: [2] Total Bulding Area: Unit Decks / Patios	1 0.7332 / 0.6560 /
GROSS PROJECT AREA: Ultimate Right-of-Way Right-of-Way of Overhead Utility	125.1613 Acres -0.0000 Acres -12.8761 Acres	Covered Walkways / Sidewalks / Hardscape Site Paving PROPOSED NET IMPERVIOUS	2.3518 / 11.4423 / -0.0023 /
Existing Easements (San., Water) Floodplains, Wetlands, Lands Covered by Water	-3.0399 Acres -4.1870 Acres	TOTAL IMPERVIOUS	25.1810 / (23.9
DEVELOPABLE AREA: [1] BUILDING COVERAGE: [2]	105.0583 Acres	SITE DENSITY: EXISTING: APARTMENTS BEDS (113/2) [*] WEST HILL CARRIAGE HOMES	260 57 40
Existing Community Buildings Existing West Hill homes Schultz Expansion (2017 Construction) PROPOSED BUILDING ADDITION(S)	7.8571 Acres 2.6292 Acres 0.1507 Acres 0.0962 Acres	TOTAL DWELLING UNITS [*] 2 Non-Independent Beds = 1 Dwlg. Unit	357
TOTAL BULDING AREA:	10.7332 Acres (10.22 %)	 [1] All land within the lot lines except that located wiright-of-way of public roads, right-of-way of over existing easements, floodplains, wetlands and land covered with water. [2] The ratio of the building area on a lot to the detection. 	continuously



PROJECT APPLICANT:

THE MEADOWOOD CORP.

c/o Paul Nordeman, Executive Director 3205 Skippack Pike — PO Box 670 Worcester, PA 19490



PROJECT CONSULTANTS:

Civil Engineering:

WOODROW & ASSOC., INC.

Municipal / Civil Consulting Engineers

1108 North Bethlemhem Pike — Suite 5 Lower Gwynedd, Pennsylvania 19002 Phone: (215) 542 - 5648

Building Architect:

RLPS ARCHITECTS

250 Valleybrook Drive Lancaster, PA 17601 Phone: (717) 560 - 9501

SI	TE	LAYO	JT_
300'	150'	0'	300'
	SCALE:	1" - 300' - 0"	

RECORDER OF DEEDS
RECORDED THISDAY OF, 20 IN THE OFFICE FOR THE RECORDING OF DEEDS, IN AND FOR THE COUNTY OF MONTGOMERY, PENNSYLVANIA IN PLAN BOOK, PAGE NUMBER
RECORDER OF DEEDS:
MCPC No.:
PROCESSED and REVIEWED. A report has been prepared by the Montgomery County Planning Commission in accordance with the Municipalities Planning Code.
Certified this date:
For the Director

Montgomery County Planning Commission

REGISTERED PROFESSIONAL
KEVIN R. GIBBONS LAND SURVEYOR No. 044550-E
PROFESSIONAL TIMOTHY P. WOODROW

WEALTA	
REGISTERED PROFESSIONAL	
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LAND SURVEYOR	SURV
No. 044550-E	I, PRO WEA BY
WEALTA	SHO
REGISTERED	ENGI
IX B WOODBOW	I ,

SURVEYOR'S CERTIFICATION		
I,, DO HER PROFESSIONAL SURVEYOR, LICENSED IN COMPLIA WEALTH OF PENNSYLVANIA; THAT THIS PLAN COBY MYSELF OR UNDER MY SUPERVISION AND THAT SHOWN ARE CORRECT.	RRECTLY REPRESENT	'S A SURVE'
SIGNATURE: ENGINEER'S CERTIFICATION	DATE:	LIC. N
I, TIMOTHY P. WOODROW , DO HER PROFESSIONAL ENGINEER, LICENSED IN COMPLIA	REBY CERTIFY THAT I	AM A REG

PROFESSIONAL ENGINEER, LICENSED IN COMPLIANCE WITH THE LAWS OF THE COMMON—WEALTH OF PENNSYLVANIA; THAT THIS PLAN WAS PREPARED BY MYSELF OR UNDER MY SUPERVISION AND THAT SAID PLAN COMPLIES WITH ALL ORDINANCES AND REGULATIONS 38735-E SIGNATURE

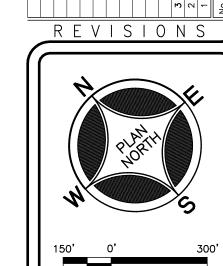
PLANNING COMMISSION CERTIFICATE RECOMMENDED FOR APPROVAL BY THE TOWNSHIP PLANNING COMMISSION OF THE TOWNSHIP SECRETARY (ATTEST)

BOARD OF SUPERVISORS CERTIFICATE APPROVED BY THE TOWNSHIP BOARD OF SUPERVISORS OF THE TOWNSHIP OF WORCESTER ON THIS _______ DAY OF _____ 20_



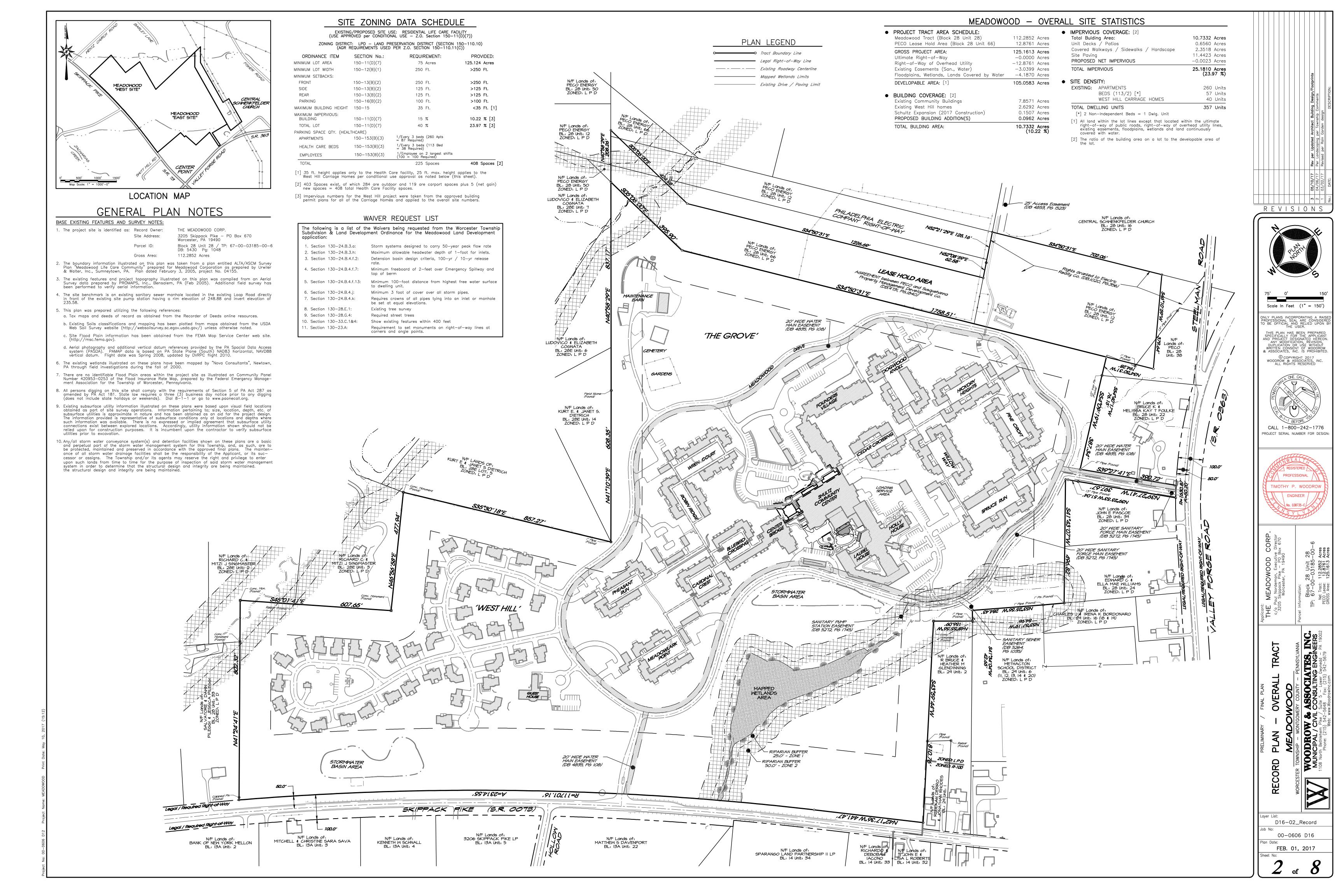
COMMONWEALTH OF PENNSYLVANIA

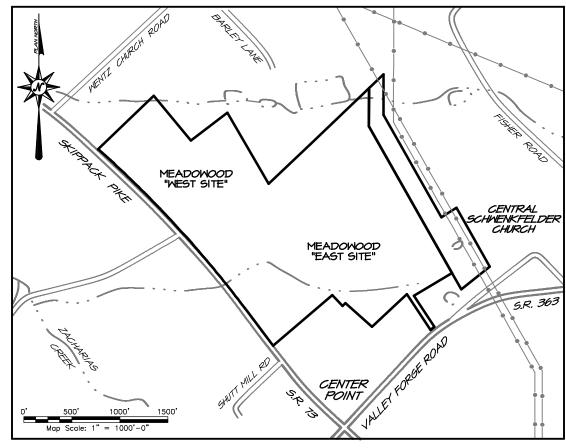
NTY OF MONTGOMERY
THIS, THE
WITNESS WHEREOF, I HEREUNTO SET MY HAND AND OFFICIAL SEAL.
WNER)
DTARY PUBLIC)





D16-01_Cover 00-0606 D16 FEB. 01, 2017





LOCATION MAP

GENERAL PLAN NOTES

BASE EXISTING FEATURES AND SURVEY NOTES: 1. The project site is identified as: Record Owner:

THE MEADOWOOD CORP.

3205 Skippack Pike — PO Box 670 Worcester, PA 19490 Site Address: Block 28 Unit 28 / TP: 67-00-03185-00-6 DB: 5430 Pg: 1048 Parcel ID:

Gross Area:

112.2852 Acres

The boundary information illustrated on this plan was taken from a plan entitled ALTA/ASCM Survey Plan "Meadowood Life Care Community" prepared for Meadowood Corporation as prepared by Urwiler & Walter, Inc., Sumneytown, PA. Plan dated February 3, 2005, project No. 04155.

The existing features and project topography illustrated on this plan was compiled from an Aerial Survey data prepared by PROMAPS, Inc., Bensalem, PA (Feb 2005). Additional field survey has been performed to verify aerial information.

4. The site benchmark is an existing sanitary sewer manhole located in the existing Loop Road directly in front of the existing site pump station having a rim elevation of 248.88 and invert elevation of 235.58.

5. This plan was prepared utilizing the following references:

a. Tax maps and deeds of record as obtained from the Recorder of Deeds online resources. b. Existing Soils classifications and mapping has been plotted from maps obtained from the USDA Web Soil Survey website (http://websoilsurvey.sc.egov.usda.gov/) unless otherwise noted.

c. Site Flood Plain information has been obtained from the FEMA Map Service Center web site. (http://msc.fema.gov).

d. Aerial photography and additional vertical datum references provided by the PA Spacial Data Access system (PASDA). PAMAP data is based on PA State Plane (South) NAD83 horizontal, NAVD88 vertical datum. Flight date was Spring 2008, updated by DVRPC flight 2010.

6. The existing wetlands illustrated on these plans have been mapped by "Nova Consultants", Newtown, PA through field investigations during the fall of 2000.

7. There are no identifiable Flood Plain areas within the project site as illustrated on Community Panel Number 420953—0253 of the Flood Insurance Rate Map, prepared by the Federal Emergency Management Association for the Township of Worcester, Pennsylvania.

8. All persons digging on this site shall comply with the requirements of Section 5 of PA Act 287 as amended by PA Act 181. State law requires a three (3) business day notice prior to any digging (does not include state holidays or weekends). Dial 8-1-1 or go to www.paonecall.org.

9. Existing subsurface utility information illustrated on these plans were based upon visual field locations obtained as part of site survey operations. Information pertaining to; size, location, depth, etc. of subsurface utilities is approximate in nature and has been obtained as an aid for the project design. The information provided is representative of subsurface conditions only at locations and depths where such information was available. There is no expressed or implied agreement that subsurface utility connections exist between explored locations. Accordingly, utility information shown should not be relied upon for construction purposes. It is incumbent upon the contractor to verify subsurface

10. Any/all storm water conveyance system(s) and detention facilities shown on these plans are a basic and perpetual part of the storm water management system for this Township, and, as such, are to be protected, maintained and preserved in accordance with the approved final plans. The Township and/or its agents may reserve the right and privilege to enter upon such lands from time to time for the purpose of inspection of said storm water management system in order to determine that the structural design and integrity are being maintained.

BASE DEVELOPMENT NOTES:

11. The contractor shall ensure that all necessary permits and approvals have been obtained prior to commencement of any site construction activities. 12. Erosion and sedimentation control measures shall be in place and functional prior to any earth

disturbance or grading work. 13. Legal rights—of—way width are per deed information, Ultimate rights—of—way width were derived from municipal ordinances. The area between the project Title Line and the Ultimate Rights—of—Way is/are offered in perpetuity for dedication to the agency having jurisdiction over said right—of—way at time

14. Contractor to ensure compliance with ADA regulations.

15. This project shall be served by public sanitary sewer by (—list authority here—) and water services by (—list authority here—).

16. Nothing shall be permitted to be set on, placed or planted within, the area of any utility or storm water easement except lawns or suitable low ground cover.

17. Construction materials and procedures shall follow Pennsylvania Department of Transportation Specifications and Standard Drawings (latest edition).

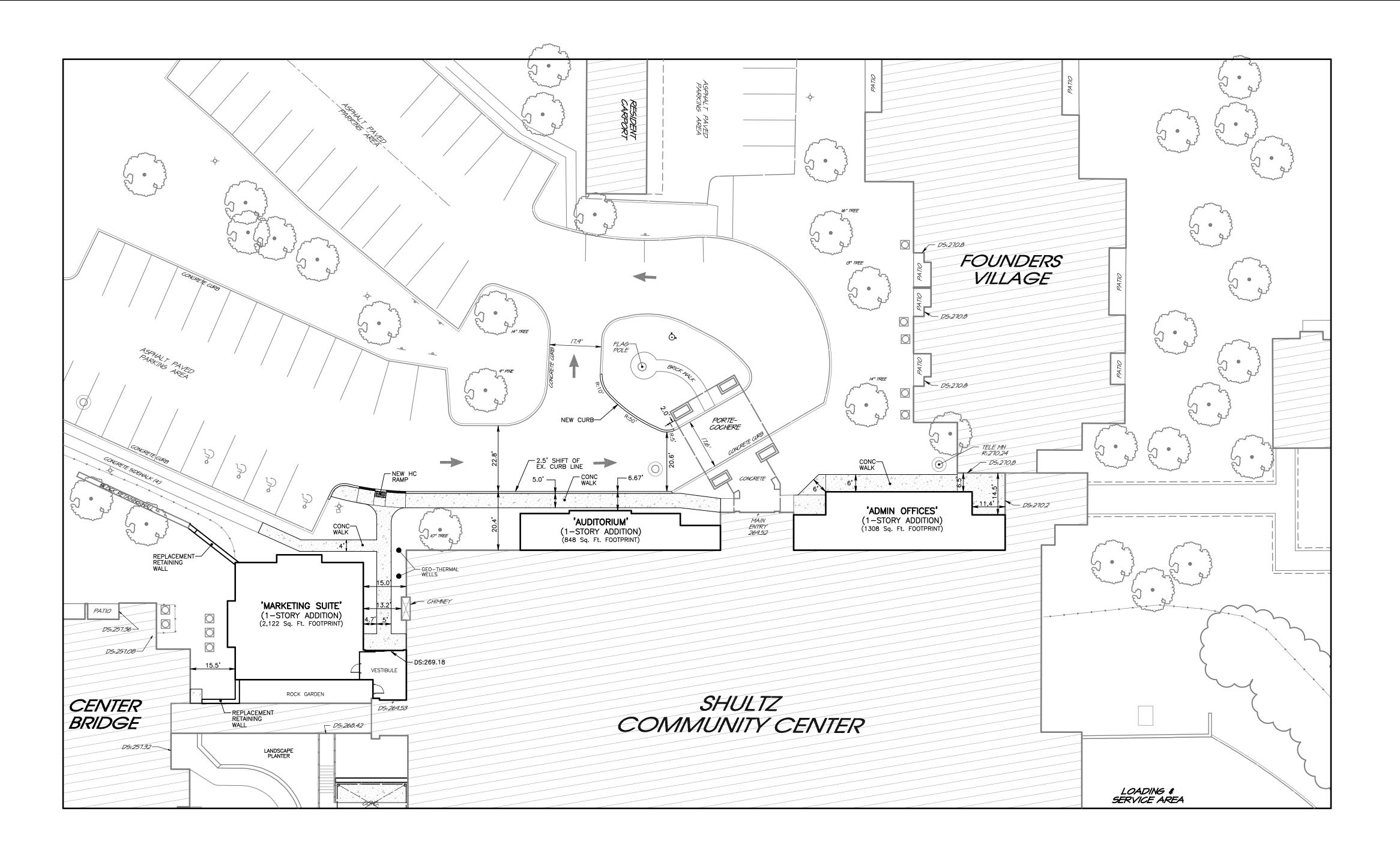
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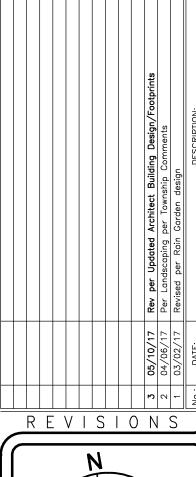
DEVELOPMENT AREA IMPERVIOUS

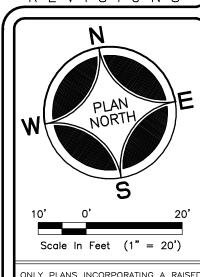


─○ Tract Boundary Line Legal Right-of-Way Line ----- - Existing Roadway Centerline

---- Mapped Wetlands Limits ----- Existing Drive / Paving Limit

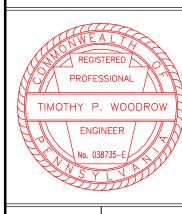






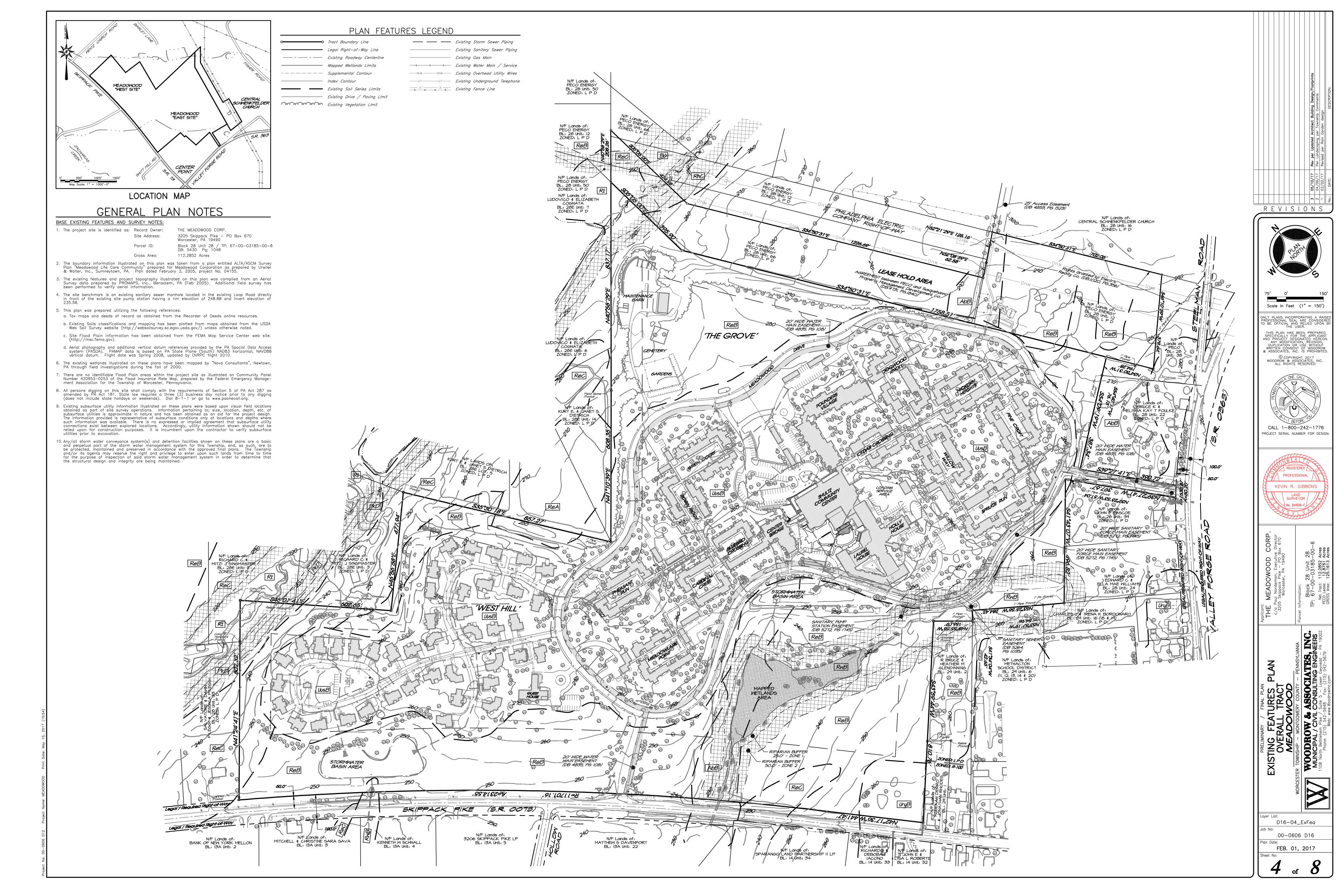


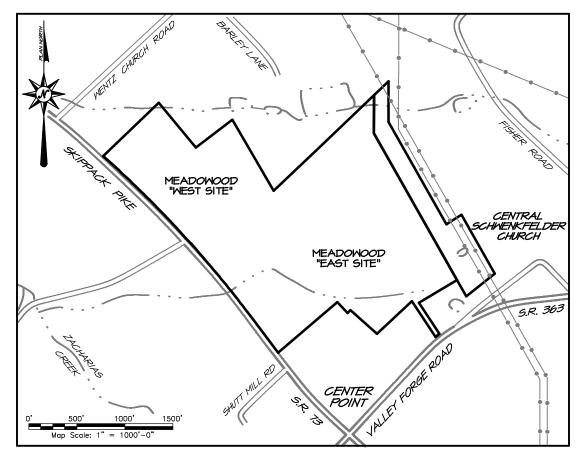




Block 28 Unit 2: 67-00-03185-Net Tract: 112.2852 A ECO Lease: 12.8761 A ROSS Area: 125.1613 A

D16-03_Record 00-0606 D16 FEB. 01, 2017





LOCATION MAP

GENERAL PLAN NOTES

BASE EXISTING FEATURES AND SURVEY NOTES: 1. The project site is identified as: Record Owner:

THE MEADOWOOD CORP.

Site Address:

3205 Skippack Pike — PO Box 670 Worcester, PA 19490

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Block 28 Unit 28 / TP: 67-00-03185-00-6 DB: 5430 Pg: 1048

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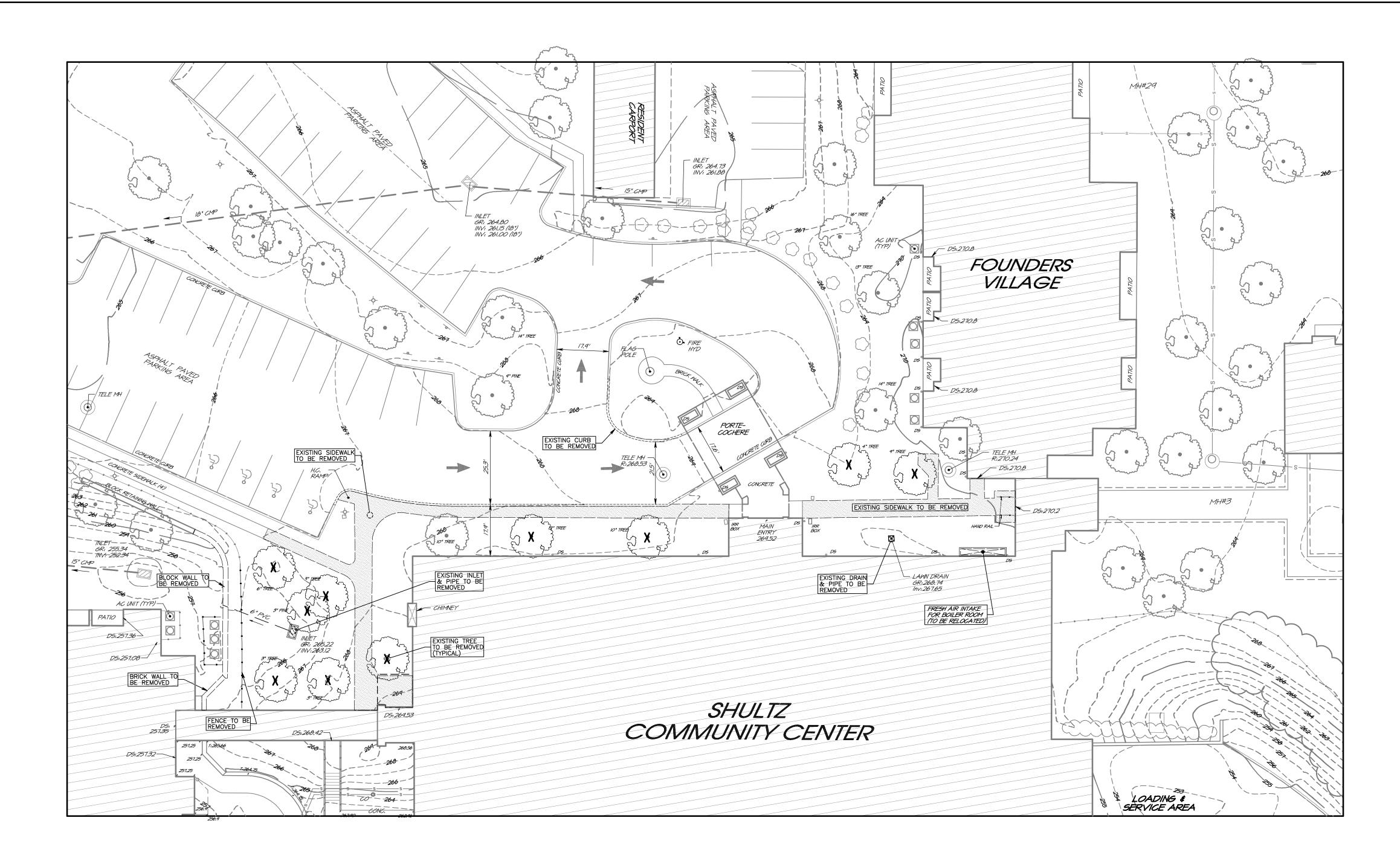
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PROJECT SOILS DATA

TINGGEGT GGIEG BINITY				
Soils Type:	Slopes:	Depth to Restrictive Feature:	Depth to Water Table:	Hydrologic Soil Group:
UusB Urban land—Udorthents shale and sandstone complex	0 to 8 percent	10-99" to lithic bedrock	> 80"	А





----- - Existing Drive/Road Centerline _____ Existing Grade Contour —s——s——s— Existing Sanitary Sewer Piping ——

With a service Existing Water Main / Service -UE-----UE---- Existing Underground Electric

EXISTING - DEMOLITION - MEAD

REVISIONS

CALL 1-800-242-1776

PROJECT SERIAL NUMBER FOR DESIGN:

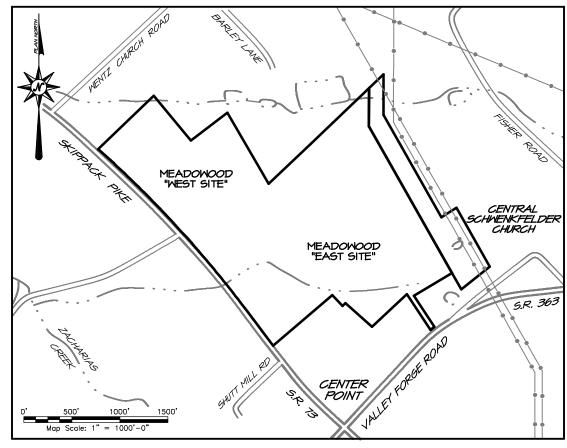
KEVIN R. GIBBONS

Block 28 Unit 28
P: 67-00-03185-00-6
Net Tract: 112.2852 Acres
PECO Lease: 12.8761 Acres
GROSS Area: 125.1613 Acres

D16-05_ExFea

00-0606 D16 FEB. 01, 2017

5 of 8



LOCATION MAP

GENERAL PLAN NOTES

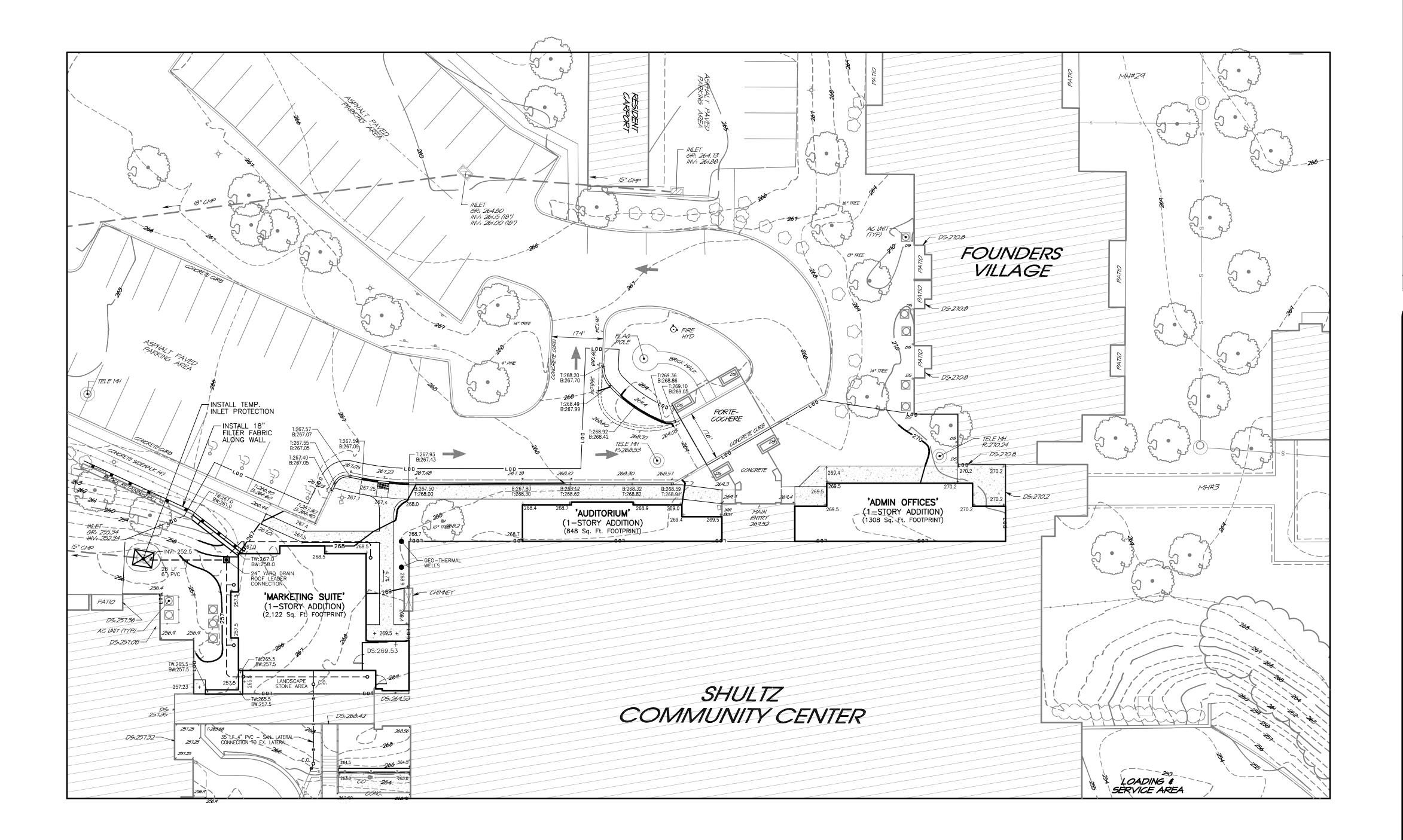
Refer to the Record Plan (Sheet 2) for 'BASE EXISTING FEATURES AND SURVEY NOTES' and 'BASE DEVELOPMENT NOTES'

BASE CONSTRUCTION DESIGN NOTES:

- 1. The contractor shall ensure that all necessary permits and approvals have been obtained prior to commencement of any site construction activities.
- 2. Erosion and sedimentation control measures shall be in place and functional prior to any earth disturbance or grading work.
- 3. Contractor to ensure compliance with ADA regulations.
- 4. This project shall be served by public sanitary sewer by (—list authority here—) and water services by (-list authority here-).
- 5. Nothing shall be permitted to be set on, placed or planted within, the area of any utility or storm
- 6. Construction materials and procedures shall follow Pennsylvania Department of Transportation Spec—ifications and Standard Drawings (latest edition). 7. Any/all storm water conveyance system(s) and detention facilities shown on these plans are a basic and perpetual part of the storm water management system for this Township, and as such, are to be protected, maintained and preserved in accordance with the approved final plans. The Township and/or its agents may reserve the right and privilege to enter upon such lands from time to time for the purpose of inspection of said storm water management system in order to determine that the structural design and integrity are being maintained.
- 8. The proposed finished grading shown on this plan has been based on the proposed building(s) finished floor elevations and has been used to design the storm water management facilities. The contractor shall comply with the grading scheme indicated unless otherwise approved by the Township and the
- 9. A minimum of six (6) inches of clean topsoil shall be provided on all lawn and planting areas.
- 10. Site grading shall be performed in accordance with these plans. The contractor shall be responsible for removing and replacing all soft, yielding or unsuitable materials and replacing with suitable materials. All excavated or filled areas shall be compacted to 95% of modified proctor maximum density per A.S.T.M. Test D-1557. moisture content at time of placement shall be no more than 2% above nor 3% below optimum. contractor shall submit a compaction report prepared by a qualified soils engineer, registered within the state where the work is performed, verifying that all filled areas and subgrade areas within the building pad area and areas to be paved have been compacted in accordance with these plans accordance with these plans.
- 11. Subbase material for sidewalks, curb, or asphalt shall be free of organics and other unsuitable materials. Should subbase be deemed unsuitable, subbase is to be removed and filled with approved fill material compacted to 95% optimum density (as determined by modified proctor method). 12. The minimum slope in grassed areas shall not be less than 2% and the minimum in paved areas shall not be less than 1.
- 13. Erosion control matting shall be provided on all earth slopes at 3:1 or greater.

EROSION CONTROL DESIGN:

- 14. The Erosion & Sedimentation Control Plan shall minimize the extent and duration of earth disturbance to the greatest extent possible by outlining an efficient construction sequence to complete the proposed improvements as quickly as possible while utilizing the following Erosion and Sedimentation Controls, as shown and detailed on the plan, to minimize any sediment—laden runoff during construction;
- vegetation to the greatest extent possible by outlining the Limit of Disturbance to avoid impact to any natural drainage features.
- 16. The Erosion & Sedimentation Control Plan shall minimize soil compaction to the greatest extent possible by minimizing traffic within the area of any utilized Sediment Basin, Sediment Trap, or similiar BMP once it is constructed and functioning in an effort to preserve natural infiltration rates for Post-Construction conversion. Soil compaction shall also be avoided by loosening the subsoil to a depth of 3 to 5 inches to permit the bonding of topsoil to the surface areas and scarification of 6 to 12 inches for compacted soils prior to seeding. Fencing off of infiltration areas may be implemented as noted on the plans or in the provided Construction Sequence.
- 17. The Erosion & Sedimentation Control Plan outlines controls to prevent and/or minimize the generation of increased stormwater through the use of a Perforated Riser Pipe within the Sediment Basin (if applicable), to capture, slow, and cool runoff while allowing the natural infiltration properties in the soil in this location.
- 18. Any proposed impervious areas, Rooftops, Pavement and Sidewalk areas, Etc., have the potential to increase thermal impacts to the watershed. Through the use of the proposed BMPs identified on the Plan and specifications for this Project, runoff is captured, slowed, and cooled to the greatest extent possible; thereby reducing the potential for thermal impacts to the watershed as much as possible.
- 19. There are no naturally occurring geologic conditions on—site that could potentially cause pollution.
 All Erosion and Sedimentation Controls (Sedimentation Basin(s), Compost Socks, Etc.) are proposed around the project site in an effort to minimize any construction related pollution from leaving the site.
- 20. If bedrock is encountered during the construction of the proposed BMPs, the project engineer shall be consulted to ensure that the proposed BMPs will still function as designed. 21. Sediment—laden runoff is an anticipated construction waste.



PROJECT AREA DISTURBANCE: 0.33 ACRES

PLAN FEATURES LEGEND

_____ Existing Grade Contour ----- Existing Drive / Paving Limit Existing Vegetation Limit — Existing Storm Sewer Piping —s——s——s— Existing Sanitary Sewer Piping ——w——w— Existing Water Main / Service ——UE———UE—— Existing Underground Electric

+ 257.3 PROPOSED SPOT ELEVATION = 249 PROPOSED GRADE CONTOUR ----- PROPOSED STORM PIPING TEMP 18" FILTER FABRIC FENCE ————LOD — Limits of Disturbance

FEB. 01, 2017

REVISIONS

Scale In Feet (1" = 20')

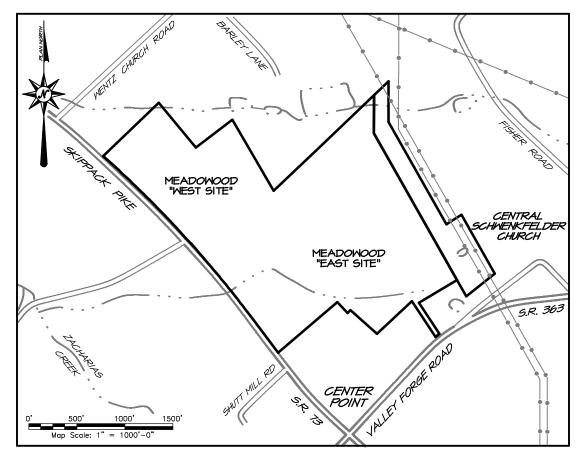
CALL 1-800-242-1776

PROJECT SERIAL NUMBER FOR DESIGN:

TIMOTHY P. WOODROW

D16-04_Grading

00-0606 D16



LOCATION MAP

GENERAL PLAN NOTES

Refer to the Record Plan (Sheet 2) for 'BASE EXISTING FEATURES AND SURVEY NOTES' and 'BASE DEVELOPMENT NOTES'

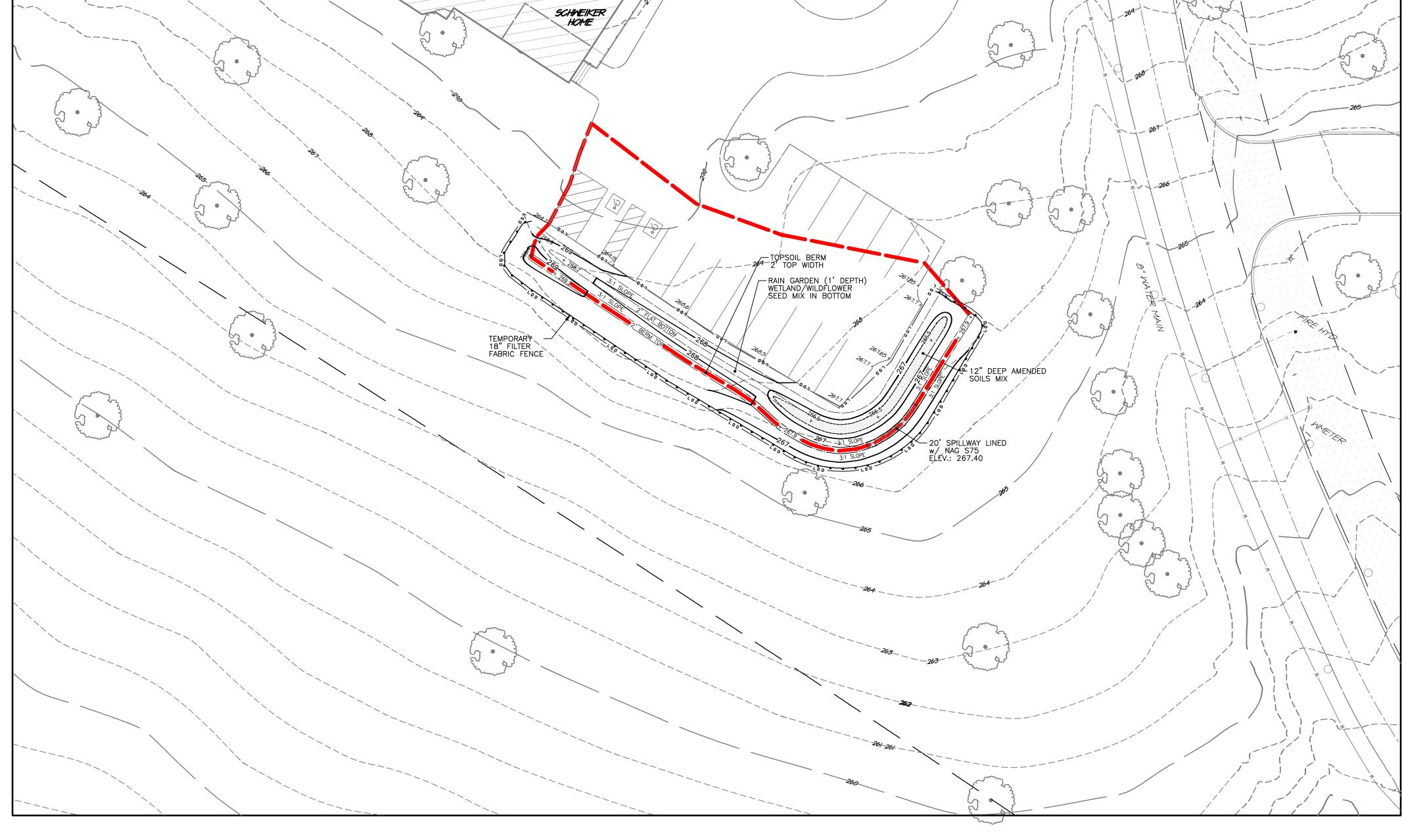
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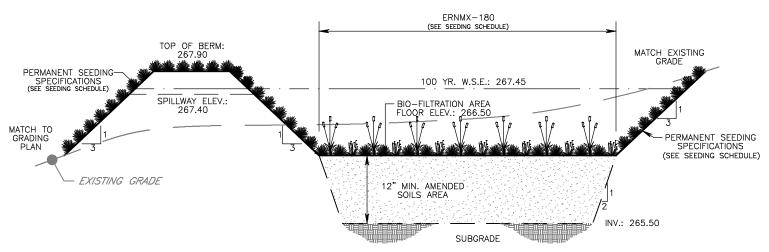
EROSION CONTROL DESIGN:

- 14. The Erosion & Sedimentation Control Plan shall minimize the extent and duration of earth disturbance to the greatest extent possible by outlining an efficient construction sequence to complete the proposed improvements as quickly as possible while utilizing the following Erosion and Sedimentation Controls, as shown and detailed on the plan, to minimize any sediment—laden runoff during construction;
- 15. The Erosion & Sedimentation Control Plan shall maximize protection of existing drainage features and vegetation to the greatest extent possible by outlining the Limit of Disturbance to avoid impact to any natural drainage features. 16. The Erosion & Sedimentation Control Plan shall minimize soil compaction to the greatest extent possible
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- around the project site in an effort to minimize any construction related pollution from leaving the site. 20. If bedrock is encountered during the construction of the proposed BMPs, the project engineer shall be consulted to ensure that the proposed BMPs will still function as designed.

All Erosion and Sedimentation Controls (Sedimentation Basin(s), Compost Socks, Étc.) are proposed

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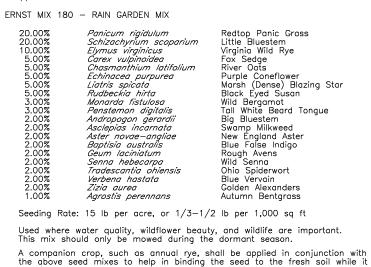


PERMANENT SEEDING SPECIFICATION - FORMULA B: 70% Tall Fescue (Festuca Arunoinacea var., Kentucky 31): 30% Creeping Red Fescue or Chewings Fescue: 15.0 lbs./1,000 s.y. 6.0 lbs./1,000 s.y. SEEDING RATES FOR THE ABOVE MIXTURES: Spread seeds where indicated and at the rates specified above (and Table A, Pub 408, Section 804). Spread seeds within the following dates, or as other—

wise indicated or directed: * Formula B: - March 15 to October 15 Extend seeding dates where project conditions warrant. Apply full treatment or apply only 50% of the permanent seeding and soil supplements and apply the remaining 50% within the next seeding dates.

Place mulch, hay or straw immediately after seeding or within 48 hours after seeding is completed. Place hay or straw uniformly, in a continuous blanket, at a rate of 1,200 lbs./1,000 s.y. If directed, increase the rate of application, depending upon the material used, season, soil conditions or method of application.

AMENDED SOILS MIX



BIO-FILTRATION RAIN GARDEN AREA

PERMANENT B.M.P. MAINTENANCE PROGRAM

GENERAL NOTES: The stormwater detention facility shown hereon is a permanent B.M.P. structure and is not to be removed altered or reconfigured in any way without the approval of the applicable municipality and/or the local County Conservation District and D.E.P.

All B.M.P.'s such as this basin and conveyance system require yearly inspection and maintenance to ensure the B.M.P.'s are functioning as designed. Maintenance of the system will include the removal of any debris and flushing of the system. An inspection report should be provided by a creditable Engineering firm under the direction of a Licensed Engineer. The owners, their successors, or its assigns, shall assume all responsibilty for the cost associated with the inspection, cleaning of the system, engineering fees and ultimately any costs associated with recommended repairs, and/or replacement of said facilities. Copies of the inspection report shall be forwarded to the applicable municipality for review and record in keeping with State regulations.

MAINTENANCE NOTES & SCHEDULE:

1. Maintenance of the Bio-filtration areas: (Semi-annually) Mow bio-filter planting twice a year. Once a year mowing is sufficient to keep a meadow from reverting to woodland, but may not be sufficient to discourage woody seedlings, brambles, invasive vines and multiflora rose. Mowing more than twice a year will only encourage cool season grass species and multiflora rose. Mowing more than twice a year will only encourage cool season grass species and create additional turf areas. Recommended dates for mowing are early July for the first cutting and a second cutting in March up to April 15th. This will maximize bird and animal habitat and promote desirable and attractive vegetation. Mow bio—filter areas when the ground is dry and at a height of 6"—8" during the dormant season. Monitor bio—filter for intrusion by invasive plants such as thistle. Eliminate invasives by spot mowing, spot spraying, or wick application of appropriate herbicide, or manual or mechanical pulling. A combination of strategies may be the best approach. Do not use herbicides within 50 feet or streams.

		PLANTIN	G S C	HED	U L	E	
Plan Symbol	Quantity	Botanical Name	Common Name	Minimum Planting Caliper	Planting Spread	Minimum Planting Height	Remarks
AC	5	Amelanchier canadensis	Shadblow Serviceberry	2 1/2"	4-5'	8-10'	B&B/ multi-stem (min. 5 stems)
AS	3	Acer saccharum	Sugar Maple		5-6'	10-12'	B&B/ single—leader
CC	2	Cercis canadensis	Eastern Redbud	2 1/2"	4-5'	8-10'	B&B/ single—leader

PROJECT AREA DISTURBANCE: 0.09 ACRES

PLAN FEATURES LEGEND _____ Existing Grade Contour ----- Existing Drive / Paving Limit Existing Vegetation Limit

— Existing Storm Sewer Piping

——s——s—— Existing Sanitary Sewer Piping

—w——w— Existing Water Main / Service

+ 257.3 PROPOSED SPOT ELEVATION 249—250— PROPOSED GRADE CONTOUR DRAINAGE AREA BOUNDARY TO RAIN GARDEN TEMP 18" FILTER FABRIC FENCE

FEB. 01, 2017

D16-07_Grading

00-0606 D16

STORMWATER IMPROVEM SCHWEIKER HOME MEADOWOOD

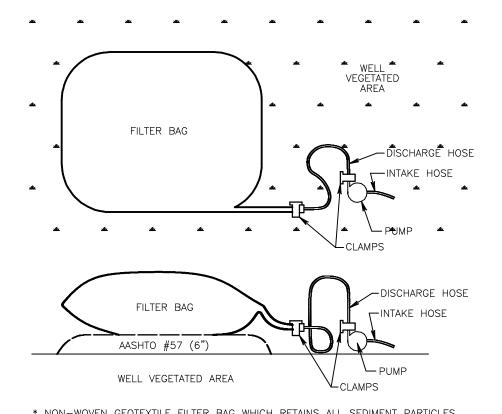
REVISIONS

Scale In Feet (1" = 20')

CALL 1-800-242-1776 PROJECT SERIAL NUMBER FOR DESIGN:

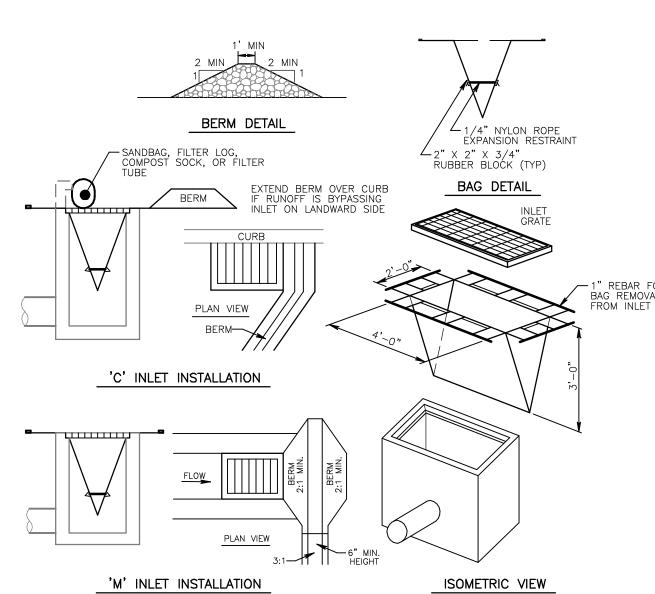
TIMOTHY P. WOODRO

Bloc 67-et Tre



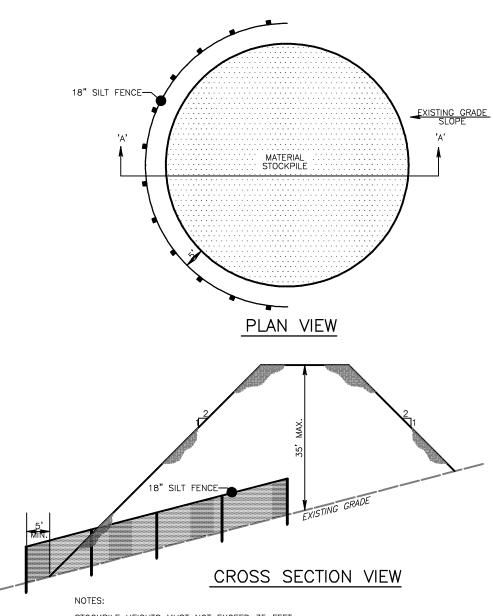
* NON-WOVEN GEOTEXTILE FILTER BAG WHICH RETAINS ALL SEDIMENT PARTICLES LARGER THAN 150 MICRONS. PLACE FILTER BAGS ON STABLE OR WELL VEGETATED AREAS WHICH ARE FLATTER THAN 5% AND WHICH WILL NOT ERODE WHEN SUBJECTED TO BAG DISCHARGES. CLAMP PUMP DISCHARGE HOSES SECURELY INTO FILTER BAGS. LIMIT PUMPING RATE TO 1/2 THE MANUFACTURER'S MAXIMUM PUMPING RATE. WHEN SEDIMENTS FILL 1/2 THE VOLUME OF A FILTER BAG IMMEDIATELY REMOVE THAT BAG FROM SERVICE. PROPERLY DISPOSE OF SPENT BAGS WITH THEIR SEDIMENTS. THE DISCHARGE FROM THE FILTER BAG SHOULD NOT PASS THROUGH A DISTURBED AREA OR CAUSE AN EROSION PROBLEM DOWN SLOPE.

SEDIMENT FILTER BAG FOR PUMPED WATER Not To Scale



INLET PROTECTION SHALL NOT BE REQUIRED FOR INLETS TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED ROLLED EARTHEN BERM SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. SIX INCH MINIMUM HEIGHT ASPHALT BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL COAT. 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

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



STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET. SIDE SLOPES MUST BE NO GREATER THEN 2:1. 2 FEET HORIZONTALLY TO ONE FOOT VERTICALLY. 18" SILT FENCE SHALL BE INSTALLED ON THE DOWN SLOPE SIDE OF THE PROPOSED BERM AT A MINIMUM OF 5 FEET FROM THE TOE OF SLOPE. SHOULD THE NEED ARISE WHERE ADDITIONAL STOCKPILE AREAS ARE REQUIRED THOSE AREAS MUST BE APPROVED BY THE MONTGOMERY COUNTY CONSERVATION DISTRICT. STOCKPILE AREA MUST BE SEEDED AND MULCHED IMMEDIATELY AFTER THE PLACEMENT OF ANY STOCKPILE MATERIAL. TEMPORARY STOCKPILE DETAIL

PROOF ROLLED EARTH & SUBBASE

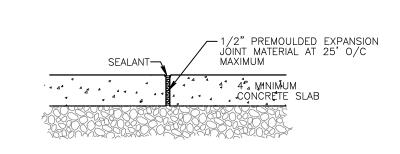
(A) = 1.5" SuperPave Volumetric Asphalt Mixture Design, 9.5mm, PG 64-22, HMA Wearing Course, 0-0.3M ESALs, M or Greater

B = 4.5" SuperPave Volumetric Asphalt Mixture Design, 25mm, PG 64-22, HMA Base Course, 0-0.3M ESALs

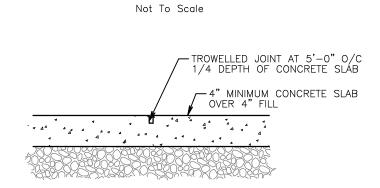
 $\overline{\text{(C)}}$ = 6" 2A Modified Subbase on Geotextile Class IV PROPOSED ROADWAY

1. ALL SUBGRADE AREAS TO BE COMPACTED AND APPROVED PRIOR TO PLACEMENT OF MATERIALS. 2. ALL STREETS SHALL HAVE BASE UNDERDRAIN INSTALLED AS DIRECTED BY MUNICIPAL ENGINEER.

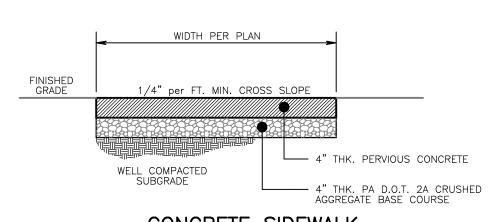
> PROJECT PAVING SECTION Not To Scale



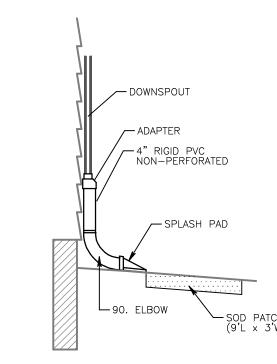
TYPICAL EXPANSION JOINT DETAIL



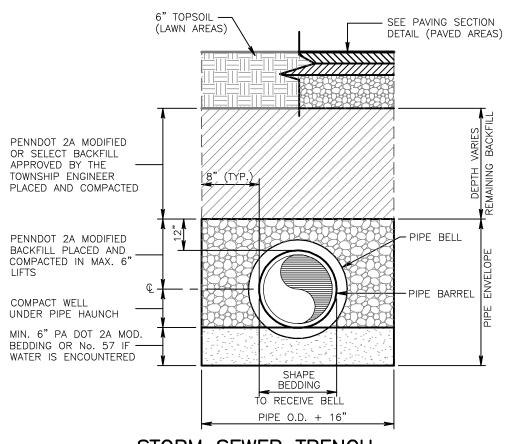
TYPICAL CONTROL JOINT DETAIL



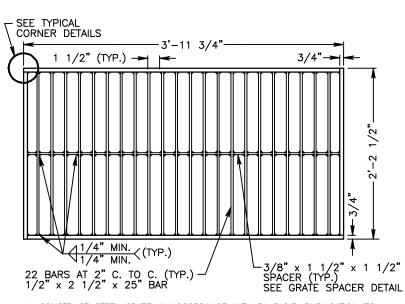
CONCRETE SIDEWALK



DOWNSPOUT SOD PATCH DETAIL

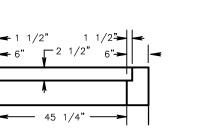


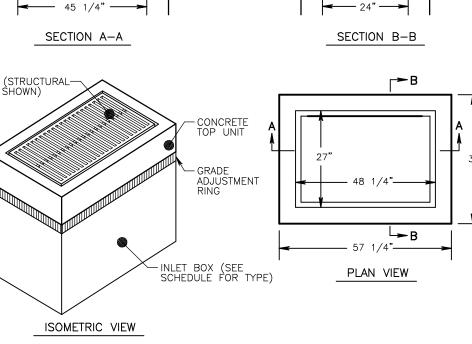
STORM SEWER TRENCH and BEDDING DETAIL



1. CONSTRUCT STEEL GRATE IN ACCORDANCE WITH PA D.O.T. PUBLICATION 72, (RC-34)

2. WELD STRUCTURAL STEEL GRATES IN ACCORDANCE WITH THE REQUIREMENTS OF PUBLICATION 408, SECTION 1105.03(R) STRUCTURAL STEEL GRATE





DETAIL FOR GENERAL REFERENCE ONLY, ACTUAL STRUCTURE TO BE IN COMPLIANCE WITH PennDOT PUB 72, RC-45M, JUN. 1, 2010 OR LATEST EDITION. PennDOT TYPE 'M' INLET TOP DETAIL

00-0606 D16 FEB. 01, 2017

D16-08_Details

REVISIONS

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CALL 1-800-242-1776

PROJECT SERIAL NUMBER FOR DESIGN:

TIMOTHY P. WOODROV

ENGINEER

Bloc 67-et Tre

ASSOCIATES, INC. CONSULTING ENGINEERS

DETAIL 3D

CONSTRUCTION MEADOWOC

* ADAPTED FROM PENNDOT RC-70, 2008 EDITION * EARTHEN BERM TO BE STABILIZED WITH TEMPORARY OR PERMANENT VEGETATION MAXIMUM DRAINAGE AREA = 1/2 ACRE.

JOINING FENCE SECTIONS SUPPORT STAKE ? -FABRIC FENCE COMPACTED UNDISTURBED GROUND TOE ANCHOR TRENCH 6 IN. * STAKES SPACED AT 8 FT. MAX. USE 2 IN X 2 IN (.3/8 IN.)
WOOD OR EQUIVALENT STEEL
(U OR T) STAKES

SECTION VIEW

FENCE SHALL BE REMOVED AND PROPERLY DISPOSED OF WHEN TRIBUTARY AREA IS PERMANENTLY STABILIZED. STANDARD CONSTRUCTION DETAIL #4-7

STANDARD SILT FENCE (18" HIGH)

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 OF 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 OF ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

(PADEP EROSION and SEDIMENT POLLUTION CONTROL PROGRAM MANUAL - MARCH 2012) (STANDARD CONSTRUCTION DETAIL #4-15 and #4-16)

FABRIC SHALL HAVE THE MINIMUM PROPERTIES AS SHOWN IN TABLE 4.3 OF THE PA DEP EROSION CONTROL MANUAL. FABRIC WIDTH SHALL BE 30 IN. MINIMUM. STAKES SHALL BE HARDWOOD OR EQUIVALENT STEEL (U OR T) STAKES. SILT FENCE SHALL BE PLACED AT LEVEL EXISTING GRADE. BOTH ENDS OF THE FENCE SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT.

SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH HALF THE ABOVE GROUND HEIGHT OF THE FENCE. ANY SECTION OF SILT FENCE WHICH HAS BEEN UNDERMINED OR TOPPED SHALL BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET (STANDARD CONSTRUCTION DETAIL # 4-6).