

REVIEWED
By Erik Vranich at 7:50 am, Jul 31, 2018

Attachment 11 to Discovery A-4 (Wastewater)

EROSION AND SEDIMENTATION CONTROL PLAN

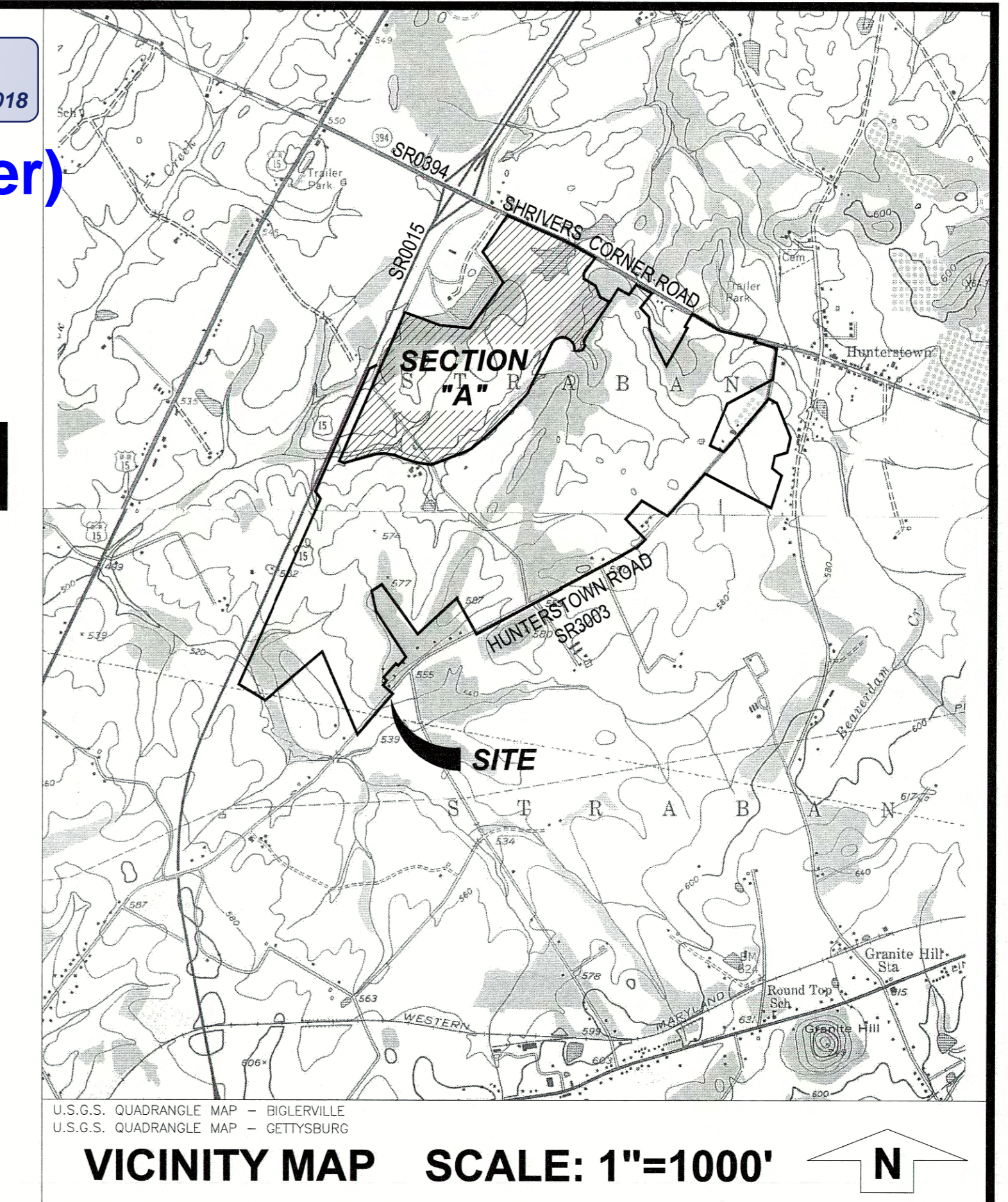
FOR

GETTYSBURG COMMONS

SECTION A DEVELOPMENT

SITUATED IN

STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA



1107 9 3 30

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EROSION AND SEDIMENT PLAN DESIGN:

THE EROSION AND SEDIMENT CONTROL PLAN OUTLINED HEREIN IS PREPARED IN ACCORDANCE WITH PA CHAPTER 102 AND SEEKS TO MINIMIZE THE EXTENT OF EROSION AND SEDIMENTATION BY ACHIEVING THE FOLLOWING:

- A. MINIMIZE EXTENT AND DURATION OF DISTURBANCE;
 - AS OUTLINED WITHIN THE CONSTRUCTION SEQUENCE HEREON THE GETTYSBURG COMMONS DEVELOPMENT IS PROPOSED TO BE DEVELOPED IN PHASES IN ORDER TO MINIMIZE THE EXTENT AND DURATION OF DISTURBANCE. SECTION A, THE SUBJECT OF THIS PLAN IS TO BE DEVELOPED IN THREE (3) PHASES (A-1, A-2, & CCA) AS WELL AS A STAGED PROGRESSION OF DEVELOPMENT WHEREBY INFRASTRUCTURE IS DEVELOPED IN STAGE 1 FOLLOWED BY INDIVIDUAL LOTS IN STAGE 2.
- B. MAXIMIZE THE PROTECTION OF EXISTING DRAINAGE FEATURES AND VEGETATION;
 - EXISTING NATURAL AND SENSITIVE FEATURES INCLUDING DRAINAGEWAYS ARE MAINTAINED UNDISTURBED WITH LIMITED STREAM CROSSINGS AND IMPACTS TO WETLANDS.
- C. MINIMIZE SOIL COMPACTION;
 - ACCESS BY CONSTRUCTION VEHICLES IS LIMITED TO CONSTRUCTION ENTRANCES AND PERMANENT STORMWATER BMP'S ARE PROTECTED FROM HEAVY VEHICLES AND CONSTRUCTION ROUTES TO MINIMIZE SOIL COMPACTION.
- D. DEVELOP CONTROLS TO MINIMIZE THE GENERATION OF INCREASED STORMWATER RUNOFF;
 - DURING CONSTRUCTION ACTIVITIES SIX (6) SEDIMENT BASINS AND SIX (6) SEDIMENT TRAPS SHALL BE IN PLACE TO ATTENUATE AND LIMIT INCREASES IN STORMWATER RUNOFF FROM THE DEVELOPMENT AREA.

THIS PLAN HAS BEEN REVIEWED
for the Department of Environmental Protection
By: [Signature] Date: 12/17/17
and determined to adequately satisfy the purpose
and requirements of 25 PA Code Chapter 102, to
minimize the potential for accelerated erosion
and sedimentation to the waters of the
Commonwealth.

NOTES:

1. THESE PLANS HAVE BEEN PREPARED BY MARTIN AND MARTIN, INC. BY COMPILING PREVIOUSLY DESIGNED PLANS PREPARED BY SHARRAH DESIGN GROUP AND RETTEW ASSOCIATES FOR GETTYSBURG COMMONS SECTION A DEVELOPMENT.

SHARRAH DESIGN GROUP, INC.
Land Surveying & Consulting Services
20 Chambersburg Road
Gettysburg, Pennsylvania 17325
Tel. (717) 334-5400 Fax: (717) 334-0922



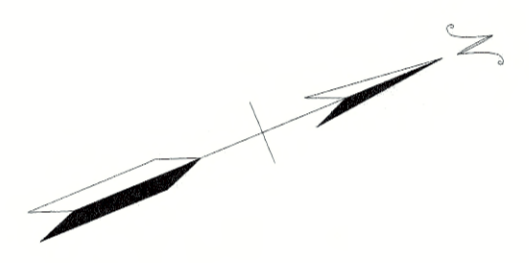
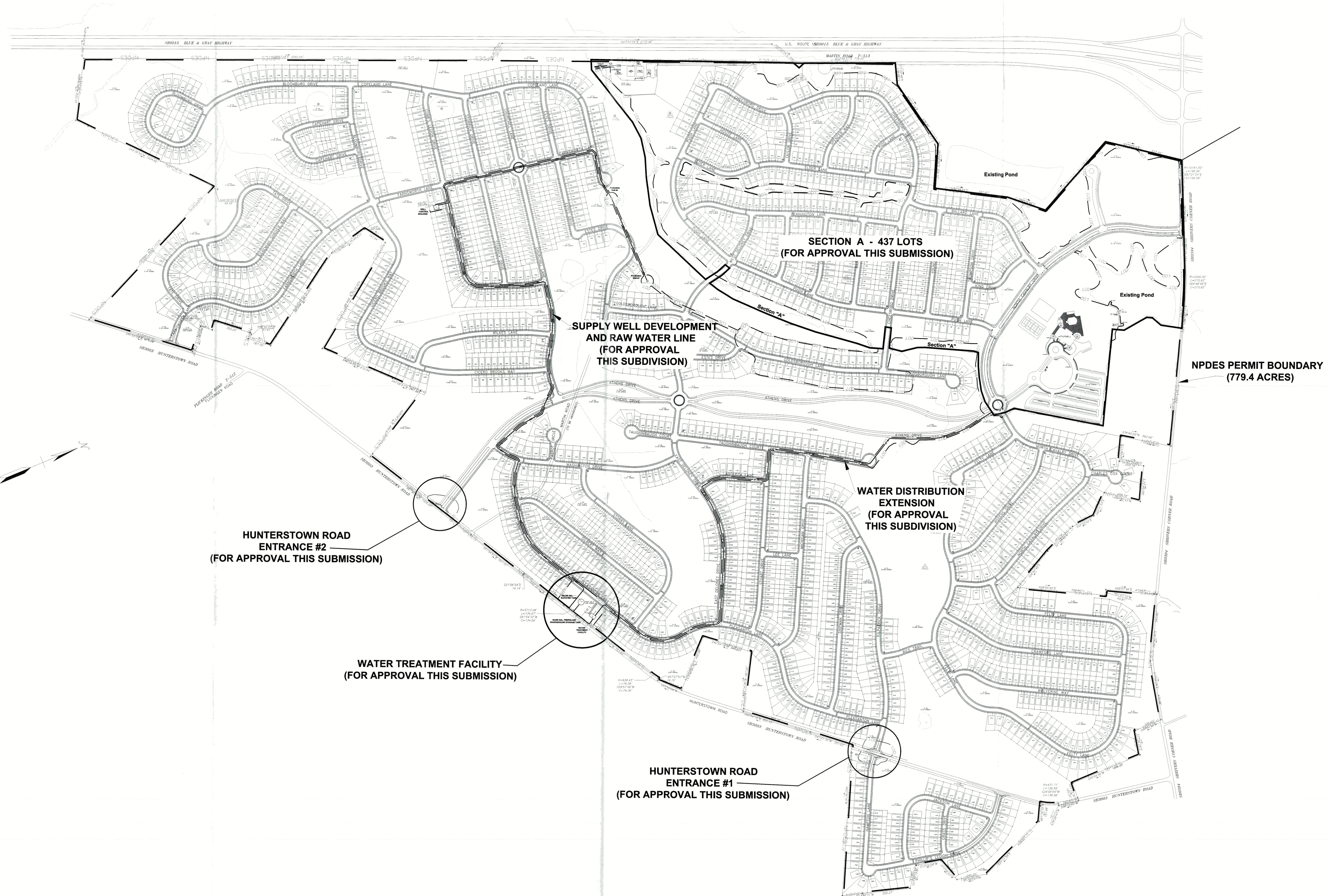
| REVISIONS | | XREFS |
|-----------|--|-------|
| NO. | DATE DESCRIPTION | |
| 1. | 10/13/17 AS PER S&L PEER AND ACCO REVIEW | |
| 2. | 12/18/17 AS PER PA DEP/ACCD 11/30/17 REVIEW LETTER | |

CALL BEFORE YOU DIG
PENNSYLVANIA ACT 287 REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 5 WORKING
DAYS IN DESIGN STAGE - STOP CALL
Pennsylvania One Call System, Inc.
1-800-242-1776
DATE: 08/10/17
REF# 2017222269

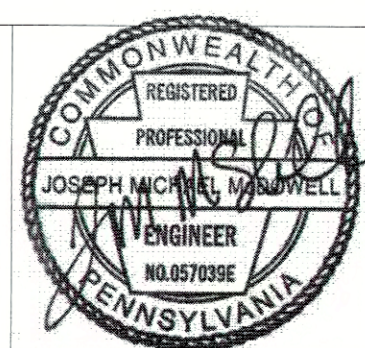
| PLAN PREPARATION | |
|----------------------|-------------------------|
| DRAWN BY: DB/EW | DATE: SEPTEMBER 5, 2017 |
| DESIGNED BY: RAS/M&M | FILE NO.: 1250.6A |
| CHECKED BY: JM | DRAWING: 1250.6A-ES-01 |

COVER SHEET
GETTYSBURG COMMONS
A PLANNED COMMUNITY FOR ACTIVE ADULTS
STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA

SCALE
AS SHOWN
SHEET NO.
ES-01



SHARRAH DESIGN GROUP, INC.
 Land Surveying & Consulting Services
 20 Chambersburg Road
 Gettysburg, Pennsylvania 17325
 Tel: (717) 334-5400 Fax: (717) 334-0922

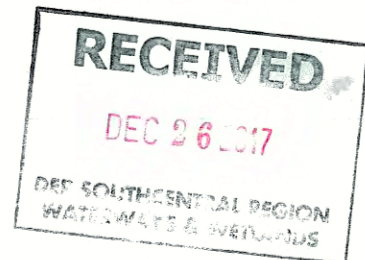


| REVISIONS | | XREFS |
|-----------|----------|--|
| NO. | DATE | DESCRIPTION |
| 1 | 10/13/17 | AS PER B&L PEER AND ACCD REVIEW |
| 2 | 12/18/17 | AS PER I/P&D/ACCD 11/30/17 REVIEW LETTER |

CALL BEFORE YOU DIG
 PENNSYLVANIA ACT 287 REQUIRES
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 1-800-242-1776
 DATE: 08/10/17
 REF# 2017222269

| PLAN PREPARATION | |
|----------------------|-------------------------|
| DRAWN BY: DB/EW | DATE: SEPTEMBER 5, 2017 |
| DESIGNED BY: RAS/M&M | FILE NO.: 1250.6A |
| CHECKED BY: JM | DRAWING: 1250.6A-ES-02 |

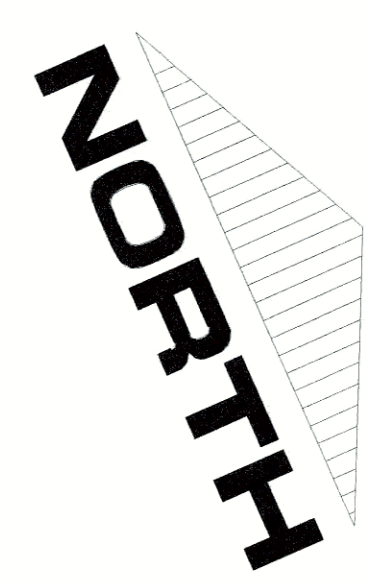
OVERALL SITE PLAN
GETTYSBURG COMMONS
 A PLANNED COMMUNITY FOR ACTIVE ADULTS
 STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA



SCALE
 1" = 300'
 SHEET NO.
ES-02

| | | | | | |
|----|----|----|----|----|----|
| A6 | A5 | A4 | A3 | A2 | A1 |
| B6 | B5 | B4 | B3 | B2 | B1 |
| C6 | C5 | C4 | C3 | C2 | C1 |
| | D4 | D3 | D2 | D1 | |
| | E3 | E2 | E1 | | |
| | F2 | F1 | | | |

SHEET INDEX
NOT TO SCALE



LEGEND

- EXISTING CURB
- PROPOSED CURB
- EXISTING RIGHT-OF-WAY LINE
- LOP LINE
- EXISTING STREAM CENTERLINE
- EXISTING VEGETATION
- DECIDUOUS TREE
- EVERGREEN TREE
- EXISTING TREELINE
- PROPOSED TREELINE
- EXISTING MAILBOX
- EXISTING UTILITY POLE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WELL
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER LINE
- EXISTING SANITARY SEWER FORCEMAIN
- EXISTING TELEPHONE BOX
- EXISTING GAS LINE
- EXISTING GAS VALVE
- EXISTING STORM MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM INLET
- PROPOSED STORM INLET
- EXISTING STORM HEADWALL / ENDWALL
- PROPOSED STORM HEADWALL / ENDWALL
- PROPOSED STORM STRUCTURE LABEL
- INLET
- STORM MANHOLE
- FLARED ENDSECTION
- EXISTING STORM PIPE
- PROPOSED STORM PIPE
- PROPOSED FIRE INLET STRUCTURE
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- TEMPORARY E&S BMP, CONTOURS
- PROPOSED SPOF ELEVATION
- NAG SC150 STORM LIVING
- NAG P300 STORM LIVING
- NAG P5 STORM LIVING
- LIMITS OF DISTURBANCE
- NPDES BOUNDARY
- TEMPORARY INLET PROTECTION
- SEDIMENT TRAP DRAINAGE DIVIDE
- SOIL TYPE BOUNDARY LINE
- SOIL TYPE DESIGNATION
- CONSTRUCTION FENCE
- COMPOST FILTER SDC
- FENCE
- CHANNEL DRAINAGE DIVIDE

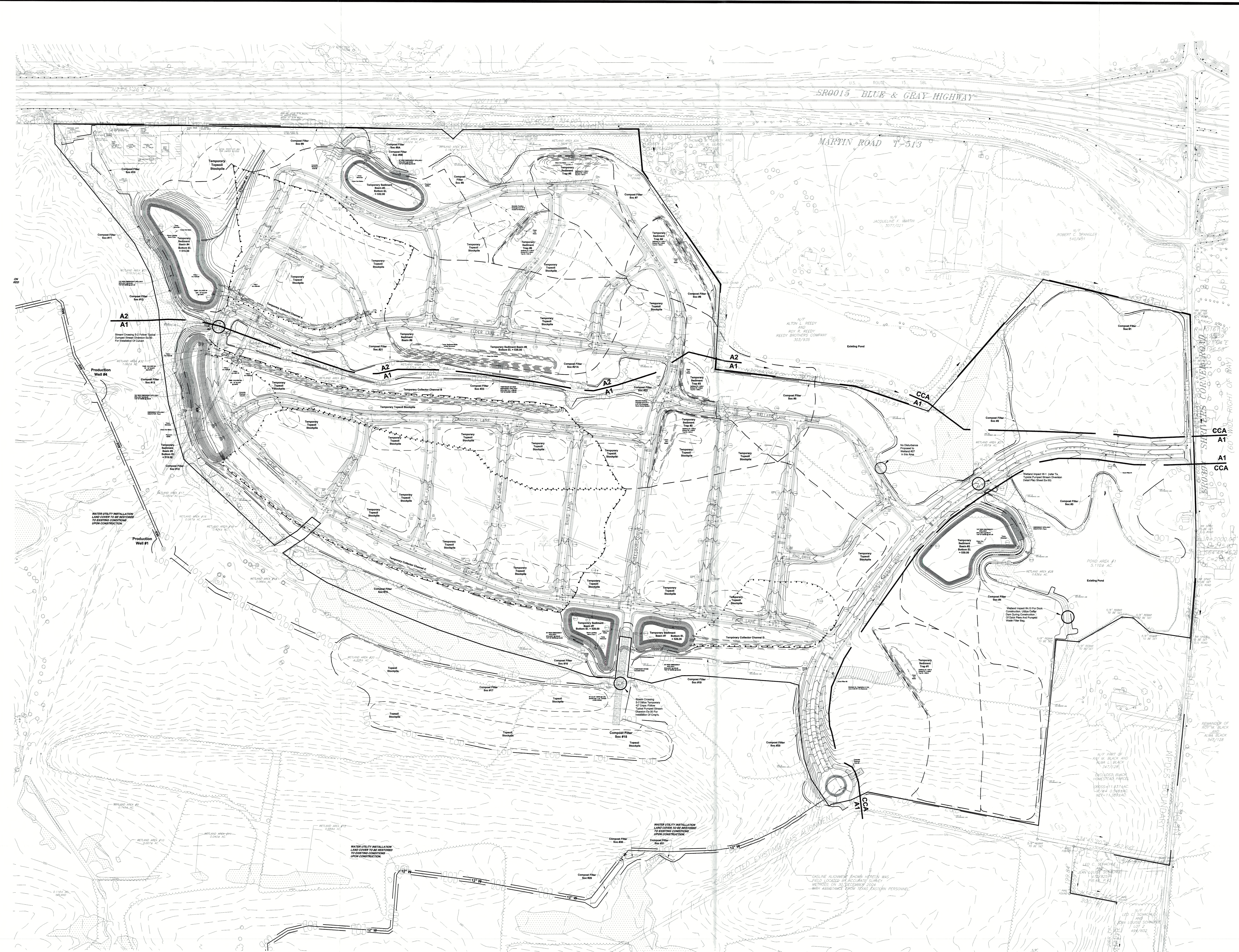
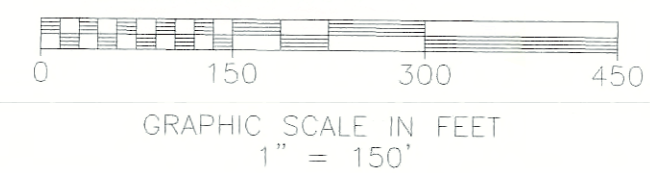
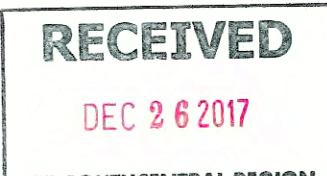
SOILS CLASSIFICATIONS

AS PER THE SOIL SURVEY OF ADAMS COUNTY THE FOLLOWING SOILS WERE IDENTIFIED ON THE SUBJECT TRACT

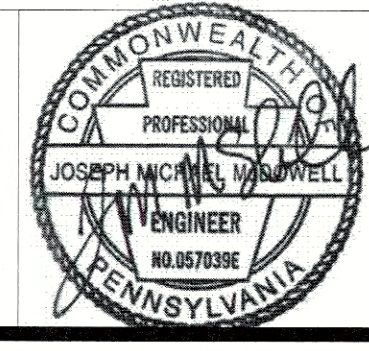
- ABA - ABBOTTSTOWN SILT LOAM, 0% TO 8% SLOPES
- ABa - ABBOTTSTOWN SILT LOAM, 0% TO 3% SLOPES
- CA - ORTON SILT LOAM, 3% TO 8% SLOPES
- CAa - ALBERTSHAM CHANNERY SILT LOAM, 0% TO 8% SLOPES
- HAa - NESHAMNY CHANNERY SILT LOAM, 3% TO 8% SLOPES
- HA - PENN SILT LOAM, 0% TO 8% SLOPES
- WAb - WATCHHILL SILT LOAM, 0% TO 8% SLOPES

EROSION & SEDIMENT CONTROL PLAN NOTES:

- 1) NO DISTURBANCE BEYOND THE PERIMETER OF EROSION AND SEDIMENT CONTROL BMP'S IS ALLOWED. THE BMP IS SHOWN OFFSET FROM THE LIMIT OF DISTURBANCE ON THESE PLANS FOR CLARITY.
- 2) DRAINAGE AREAS AS SHOWN HEREON TO BMP'S PROPOSED SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
- 3) THE LIMIT OF DISTURBANCE SHOWN HEREON IS ALSO THE LIMIT OF DISTURBANCE FOR ANY ON GOING MAINTENANCE AS REQUIRED.



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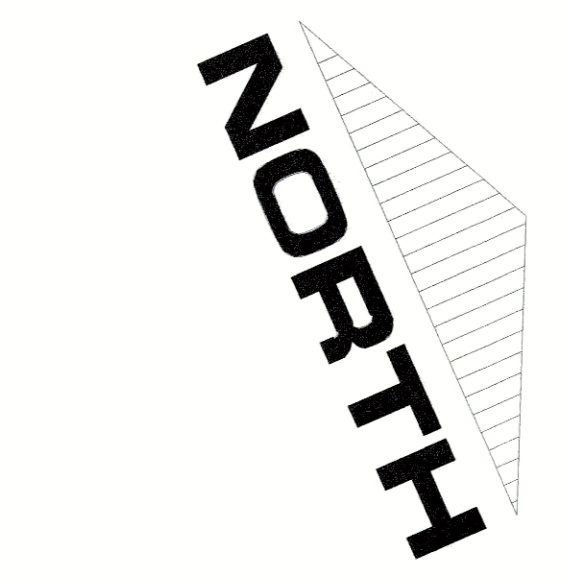
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DATE: 08/10/17
REF: 2017222269

PLAN PREPARATION
DRAWN BY: DB/EW DATE: SEPTEMBER 5, 2017
DESIGNED BY: RAS/M&M FILE NO.: 1250.6A
CHECKED BY: JM DRAWING: 1250.6A-ES-04.13

E&S CONTROL PLAN - STAGE 1 INFRASTRUCTURE
GETTYSBURG COMMONS
A PLANNED COMMUNITY FOR ACTIVE ADULTS
STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA
SCALE
1" = 150'
SHEET NO.
ES-04

| | | | | | |
|----|----|----|----|----|----|
| A6 | A5 | A4 | A3 | A2 | A1 |
| B6 | B5 | B4 | B3 | B2 | B1 |
| C6 | C5 | C4 | C3 | C2 | C1 |
| | D4 | D3 | D2 | D1 | |
| | E3 | E2 | E1 | | |
| | F2 | F1 | | | |

SHEET INDEX



LEGEND

- EXISTING CURB
- PROPOSED CURB
- EXISTING RIGHT-OF-WAY LINE
- LOT LINE
- EXISTING STREAM CENTERLINE
- EXISTING VEGETATION
- EXISTING TREELINE
- PROPOSED TREELINE
- EXISTING MANHOLE
- EXISTING UTILITY POLE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WELL
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER LINE
- EXISTING SANITARY SEWER FORCEMAIN
- EXISTING TELEPHONE BOX
- EXISTING GAS LINE
- EXISTING GAS VALVE
- EXISTING STORM MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM INLET
- PROPOSED STORM INLET
- EXISTING STORM HEADWALL / ENDWALL
- PROPOSED STORM HEADWALL / ENDWALL
- PROPOSED STORM STRUCTURE LABEL
- EXISTING STORM PIPE
- PROPOSED STORM PIPE
- PROPOSED PIPE OUTLET STRUCTURE
- EXISTING CONTROL LINE
- PROPOSED CONTROL LINE
- TEMPORARY EAS, BMP, CONTOURS
- PROPOSED SPOT ELEVATION
- NAG SC150 STORM LIVING
- NAG P200 STORM LIVING
- NAG 75 STORM LIVING
- LIMITS OF DISTURBANCE
- APDES BOUNDARY
- TEMPORARY INLET PROTECTION
- SEDIMENT TRAP DRAINAGE DIVIDE
- SOIL TYPE BOUNDARY LINE
- SOIL TYPE DESIGNATION
- CONSTRUCTION FENCE
- COMPOST FILTER SDC
- FENCE
- CHANNEL DRAINAGE DIVIDE

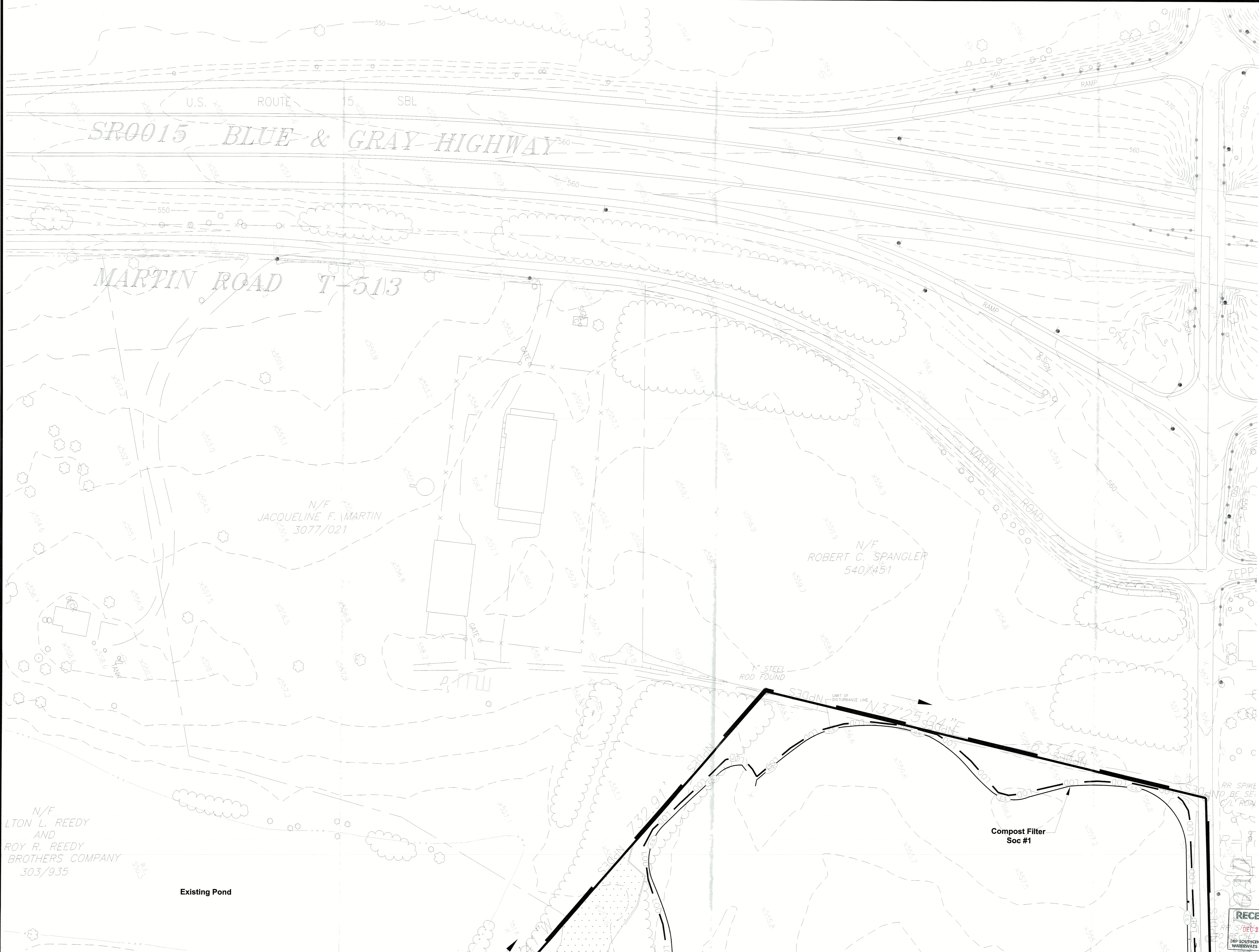
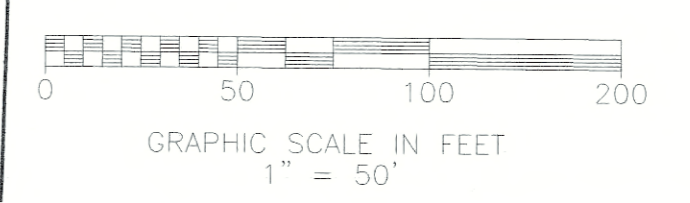
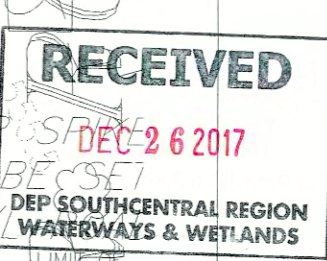
SOILS CLASSIFICATIONS

AS PER THE SOIL SURVEY OF ADAMS COUNTY THE FOLLOWING SOILS WERE IDENTIFIED ON THE SUBJECT TRACT:

- AAA - ABBOTTSTOWN SILT LOAM, 0% TO 3% SLOPES
- AAE - ABBOTTSTOWN SILT LOAM, 3% TO 8% SLOPES
- CA - CROTON SILT LOAM, 3% TO 8% SLOPES
- HAB - HUNTERSLEIGH CHANNERY SILT LOAM, 3% TO 8% SLOPES
- HCB - HUNTERSLEIGH CHANNERY SILT LOAM, 3% TO 8% SLOPES
- RBW - REAM SILT LOAM, 3% TO 8% SLOPES
- WB - WATCHKILL SILT LOAM, 3% TO 8% SLOPES

EROSION & SEDIMENT CONTROL PLAN NOTES:

- 1) NO DISTURBANCE BEYOND THE PERIMETER OF EROSION AND SEDIMENT CONTROL. BMP'S IS ALLOWED. THE BMP IS SHOWN OFFSET FROM THE LIMIT OF DISTURBANCE ON THESE PLANS FOR CLARITY.
- 2) DRAINAGE LOCUS AS SHOWN HEREON TO BMP'S PROPOSED SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
- 3) THE LIMIT OF DISTURBANCE SHOWN HEREON IS ALSO THE LIMIT OF DISTURBANCE FOR ANY ON-SITE MAINTENANCE AS REQUIRED.



N/F
LTON L. REEDY
AND
ROY R. REEDY
BROTHERS COMPANY
303/935

Existing Pond

SHARRAH DESIGN GROUP, INC.
Land Surveying & Consulting Services
20 Chambersburg Road
Gettysburg, Pennsylvania 17325
Tel: (717) 334-5400 Fax: (717) 334-0922



| NO. | DATE | DESCRIPTION | XREFS |
|-----|----------|--|-------|
| 1 | 10/13/17 | AS PER I&L PEER AND ACCO REVIEW | |
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CALL BEFORE YOU DIG
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DAYS IN DESIGN STAGE. STOP CALL
Pennsylvania One Call System, Inc.
1-800-242-1776
DATE: 05/10/17
REF# 2017222269

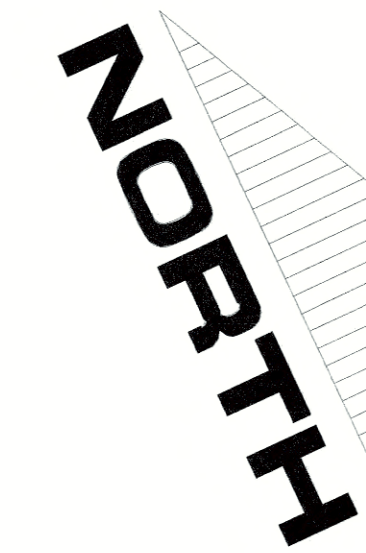
| PLAN PREPARATION | |
|----------------------|---------------------------|
| DRAWN BY: DB/EW | DATE: SEPTEMBER 5, 2017 |
| DESIGNED BY: RAS/M&M | FILE NO.: 1250.6A |
| CHECKED BY: JM | DRAWING: 1250.6A-ES-04.13 |

STAGE 1 INFRASTRUCTURE - AREA C-3
GETTYSBURG COMMONS
A PLANNED COMMUNITY FOR ACTIVE ADULTS
STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA

SCALE
1" = 50'
SHEET NO.
ES-05-A1

| | | | | | |
|----|----|----|----|----|----|
| A6 | A5 | A4 | A3 | A2 | A1 |
| B6 | B5 | B4 | B3 | B2 | B1 |
| C6 | C5 | C4 | C3 | C2 | C1 |
| | D4 | D3 | D2 | D1 | |
| | E3 | E2 | E1 | | |
| | | F2 | F1 | | |

SHEET INDEX
NOT TO SCALE



LEGEND

- EXISTING CURB
- PROPOSED CURB
- EXISTING RIGHT-OF-WAY LINE
- LOT LINE
- EXISTING STREAM CENTERLINE
- EXISTING VEGETATION
- DECIDUOUS TREE
- EVERGREEN TREE
- EXISTING TREELINE
- PROPOSED TREELINE
- EXISTING MALBON
- EXISTING UTILITY POLE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WELL
- EXISTING WATER VALVE
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- EXISTING WATER LINE
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- EXISTING SANITARY SEWER FORCEMAIN
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- PROPOSED FIRE SILET STRUCTURE
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- TEMPORARY EALS, BMP, CONTOURS
- PROPOSED SPOT ELEVATION
- NAC 30150 STORM LINING
- NAC P300 STORM LINING
- NAC 75 STORM LINING
- LIMITS OF DISTURBANCE
- NPDES BOUNDARY
- TEMPORARY INLET PROTECTION
- SEMIEM TRAP DRAINAGE DIVIDE
- SOIL TYPE BOUNDARY LINE
- SOIL TYPE DESIGNATION
- CONSTRUCTION FENCE
- COMPOST FILTER SOO
- FENCE
- CHANNEL DRAINAGE DIVIDE

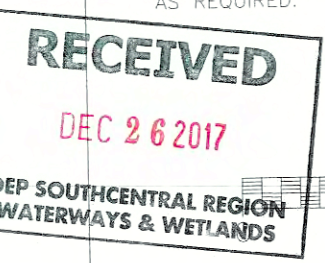
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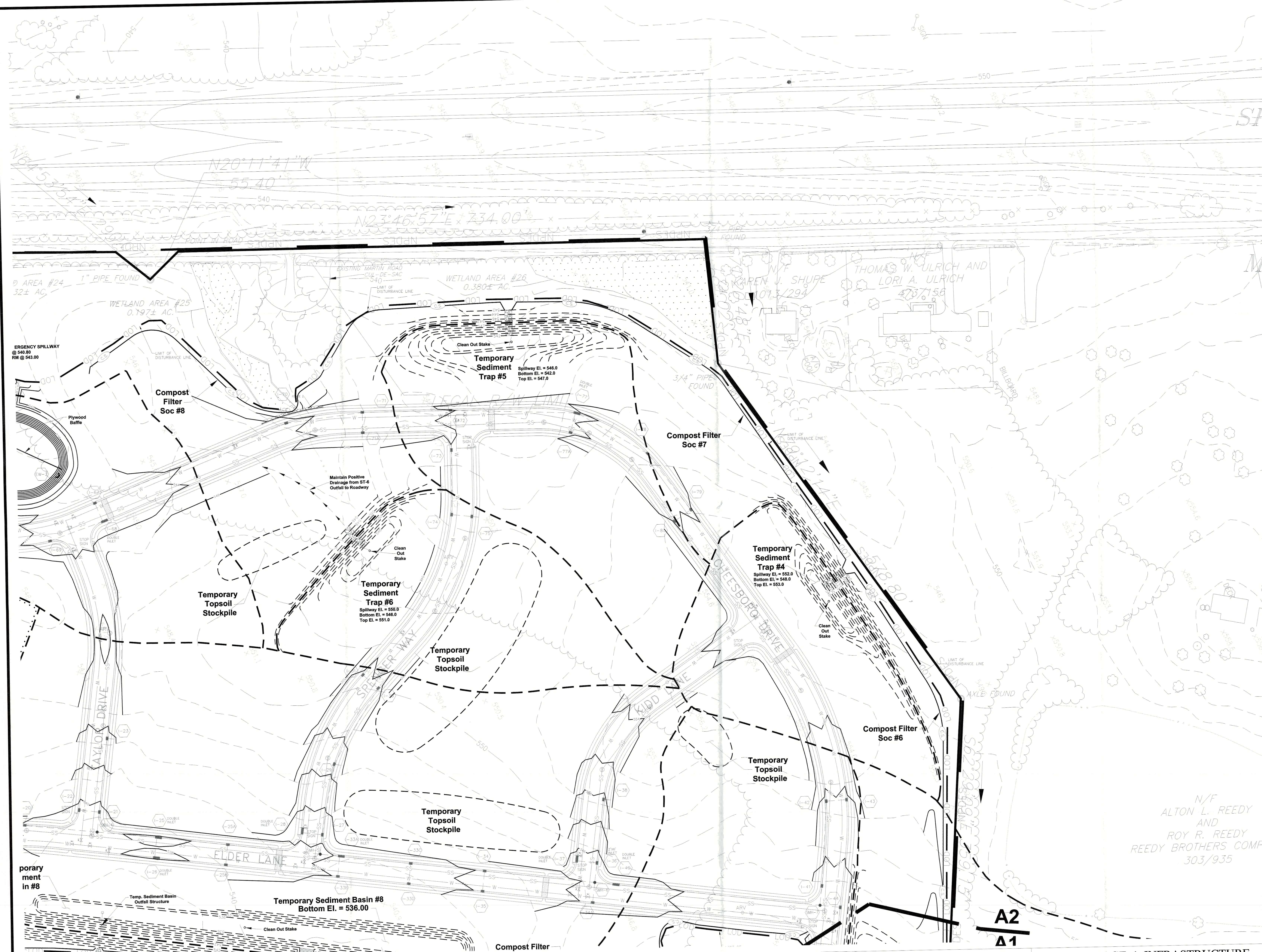
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- ABG - ABBOTTSTOWN SILT LOAM, 0% TO 3% SLOPES
- CA - CROTON SILT LOAM, 3% TO 8% SLOPES
- KAB - KANEVILLE CHANNELRY SILT LOAM, 0% TO 8% SLOPES
- NAB - NECHAMERY CHANNELRY SILT LOAM, 0% TO 8% SLOPES
- PUB - PENN SILT LOAM, 0% TO 8% SLOPES
- WAB - WASHINGTON SILT LOAM, 0% TO 8% SLOPES

EROSION & SEDIMENT CONTROL PLAN NOTES:

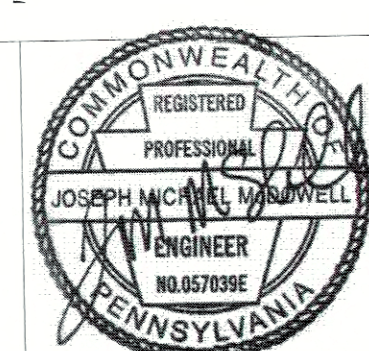
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GRAPHIC SCALE IN FEET
1" = 50'



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| NO. | DATE | DESCRIPTION |
|-----|----------|--|
| 1 | 10/13/17 | AS PER BAL PEER AND ACCO REVIEW |
| 2 | 12/18/17 | AS PER PAPER/ACCO 11/30/17 REVIEW LETTER |

CALL BEFORE YOU DIG
PENNSYLVANIA ACT 287 REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 5 WORKING
DAYS IN DESIGN STAGE - STOP CALL
Pennsylvania One Call System, Inc.
1-800-242-1776
DATE: 09/10/17
REF: 2017222269

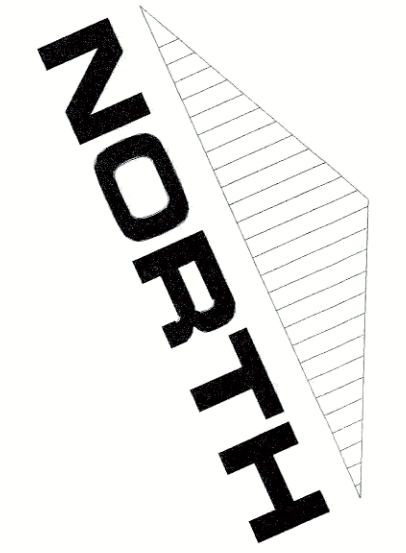
| PLAN PREPARATION | |
|----------------------|---------------------------|
| DRAWN BY: DB/EW | DATE: SEPTEMBER 5, 2017 |
| DESIGNED BY: RAS/M&M | FILE NO.: 1250.6A |
| CHECKED BY: JM | DRAWING: 1250.6A-ES-04.13 |

STAGE 1 INFRASTRUCTURE - AREA A-2
GETTYSBURG COMMONS
A PLANNED COMMUNITY FOR ACTIVE ADULTS
STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA

SCALE
1" = 50'
SHEET NO.
ES-06-A2

| | | | | | |
|----|----|----|----|----|----|
| A6 | A5 | A4 | A3 | A2 | A1 |
| B6 | B5 | B4 | B3 | B2 | B1 |
| C6 | C5 | C4 | C3 | C2 | C1 |
| | D4 | D3 | D2 | D1 | |
| | E3 | E2 | E1 | | |
| | F2 | F1 | | | |

SHEET INDEX
NOT TO SCALE



LEGEND

- EXISTING CURB
- PROPOSED CURB
- EXISTING RIGHT-OF-WAY LINE
- LOF LINE
- EXISTING STREAM CENTERLINE
- EXISTING VEGETATION
- DECIDUOUS TREE
- EVERGREEN TREE
- EXISTING TREELINE
- PROPOSED TREELINE
- EXISTING MAILBOX
- EXISTING UTILITY POLE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WELL
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER LAL
- EXISTING SANITARY SEWER FORCESMAN
- EXISTING TELEPHONE BOX
- EXISTING GAS LINE
- EXISTING GAS VALVE
- EXISTING STORM MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM INLET
- PROPOSED STORM INLET
- EXISTING STORM HEADWALL / ENDWALL
- PROPOSED STORM HEADWALL / ENDWALL
- PROPOSED STORM STRUCTURE LABEL
- EXISTING STORM PIPE
- PROPOSED STORM PIPE
- PROPOSED FIRE ISOLET STRUCTURE
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- TEMPORARY ELS, BMP, CONTOURS
- PROPOSED SPOT ELEVATION
- NAG SC150 STORM LIVING
- NAG P300 STORM LIVING
- NAG T5 STORM LIVING
- LIMITS OF DISTURBANCE
- NPDES BOUNDARY
- TEMPORARY INLET PROTECTION
- SEDIMENT TRAP / DRAINAGE DIVIDE
- SOIL TYPE BOUNDARY LINE
- SOIL TYPE DESIGNATION
- CONSTRUCTION FENCE
- COMPOST FILTER SOC
- FENCE
- CHANNEL ORANGE DIVIDE

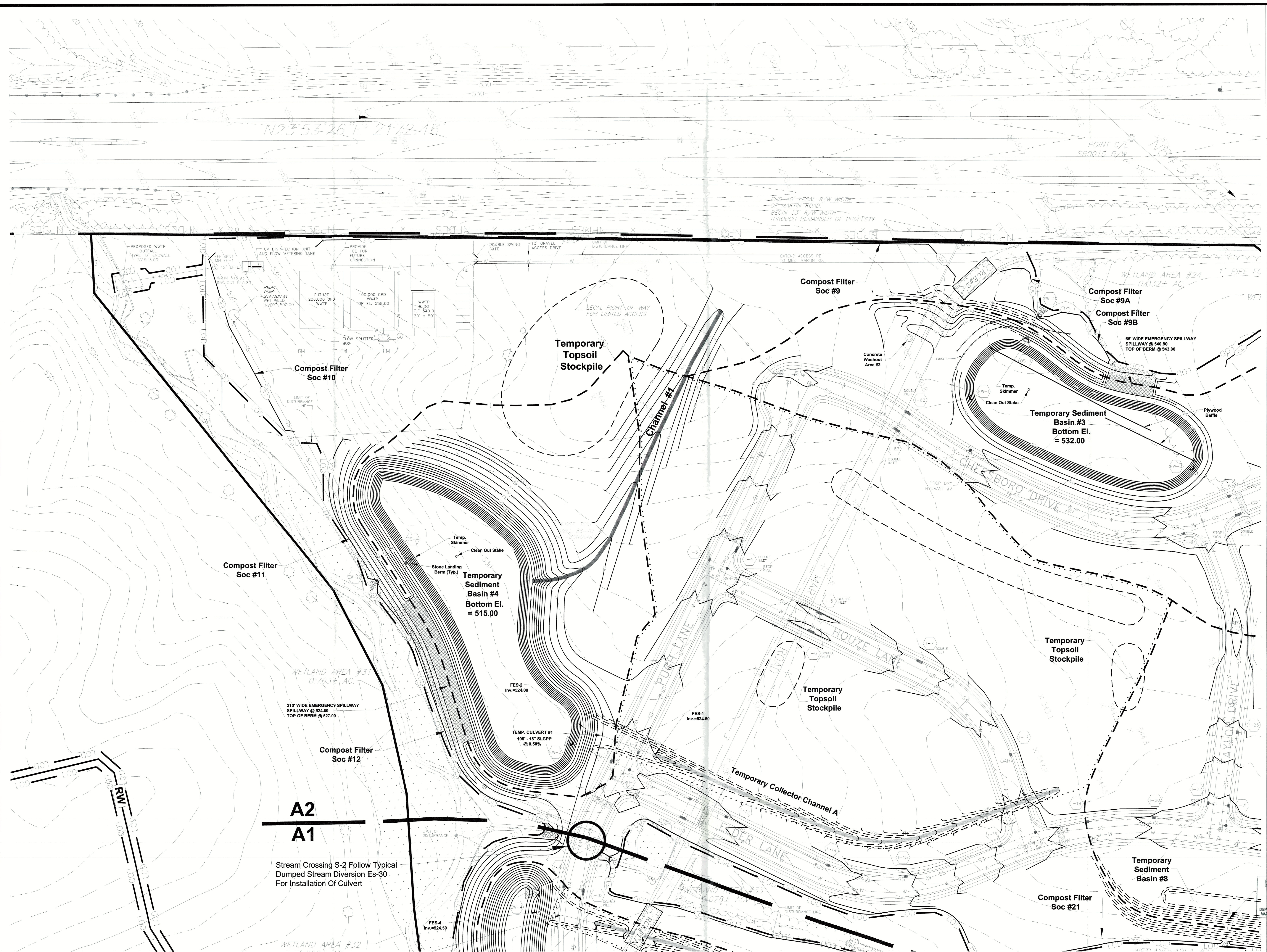
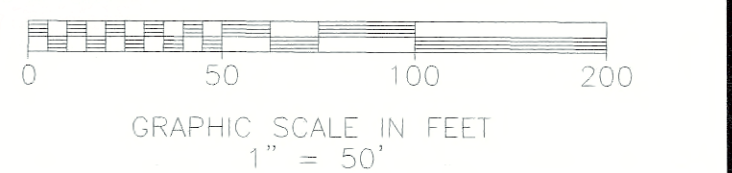
SOILS CLASSIFICATIONS

AS PER THE SOIL SURVEY OF ADAMS COUNTY THE FOLLOWING SOILS WERE IDENTIFIED ON THE SUBJECT TRACT:

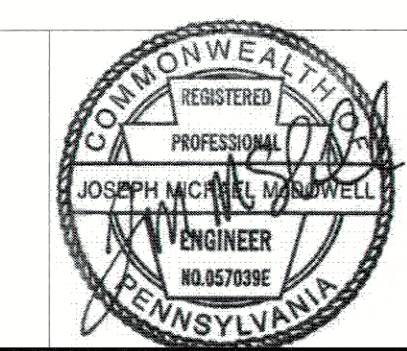
- ABA - ABBOTTSTOWN SILT LOAM, 0% TO 3% SLOPES
- ABP - ABBOTTSTOWN SILT LOAM, 0% TO 3% SLOPES
- UA - UNION SILT LOAM, 3% TO 8% SLOPES
- UB - UNION SILT LOAM, 8% TO 15% SLOPES
- UB2 - UNION SILT LOAM, 15% TO 25% SLOPES
- UB3 - UNION SILT LOAM, 25% TO 35% SLOPES
- UB4 - UNION SILT LOAM, 35% TO 45% SLOPES
- UB5 - UNION SILT LOAM, 45% TO 55% SLOPES
- UB6 - UNION SILT LOAM, 55% TO 65% SLOPES
- UB7 - UNION SILT LOAM, 65% TO 75% SLOPES
- UB8 - UNION SILT LOAM, 75% TO 85% SLOPES
- UB9 - UNION SILT LOAM, 85% TO 95% SLOPES
- UB10 - UNION SILT LOAM, 95% TO 100% SLOPES

EROSION & SEDIMENT CONTROL PLAN NOTES:

- 1) NO DISTURBANCE BEYOND THE PERMITTER OF EXPOSURE AND SEDIMENT CONTROL BMP'S IS ALLOWED. THE BMP'S SHOWN OFFSET FROM THE LIMIT OF DISTURBANCE ON THESE PLANS FOR CLARITY.
- 2) DRAINAGE AREAS AS SHOWN HEREON TO BMP'S PROPOSED SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
- 3) THE LIMIT OF DISTURBANCE SHOWN HEREON IS ALSO THE LIMIT OF DISTURBANCE FOR ANY ON GOING MAINTENANCE ACTIVITIES.



SHARRAH DESIGN GROUP, INC.
Land Surveying & Consulting Services
20 Chambersburg Road
Gettysburg, Pennsylvania 17325
Tel: (717) 334-5400 Fax: (717) 334-0922



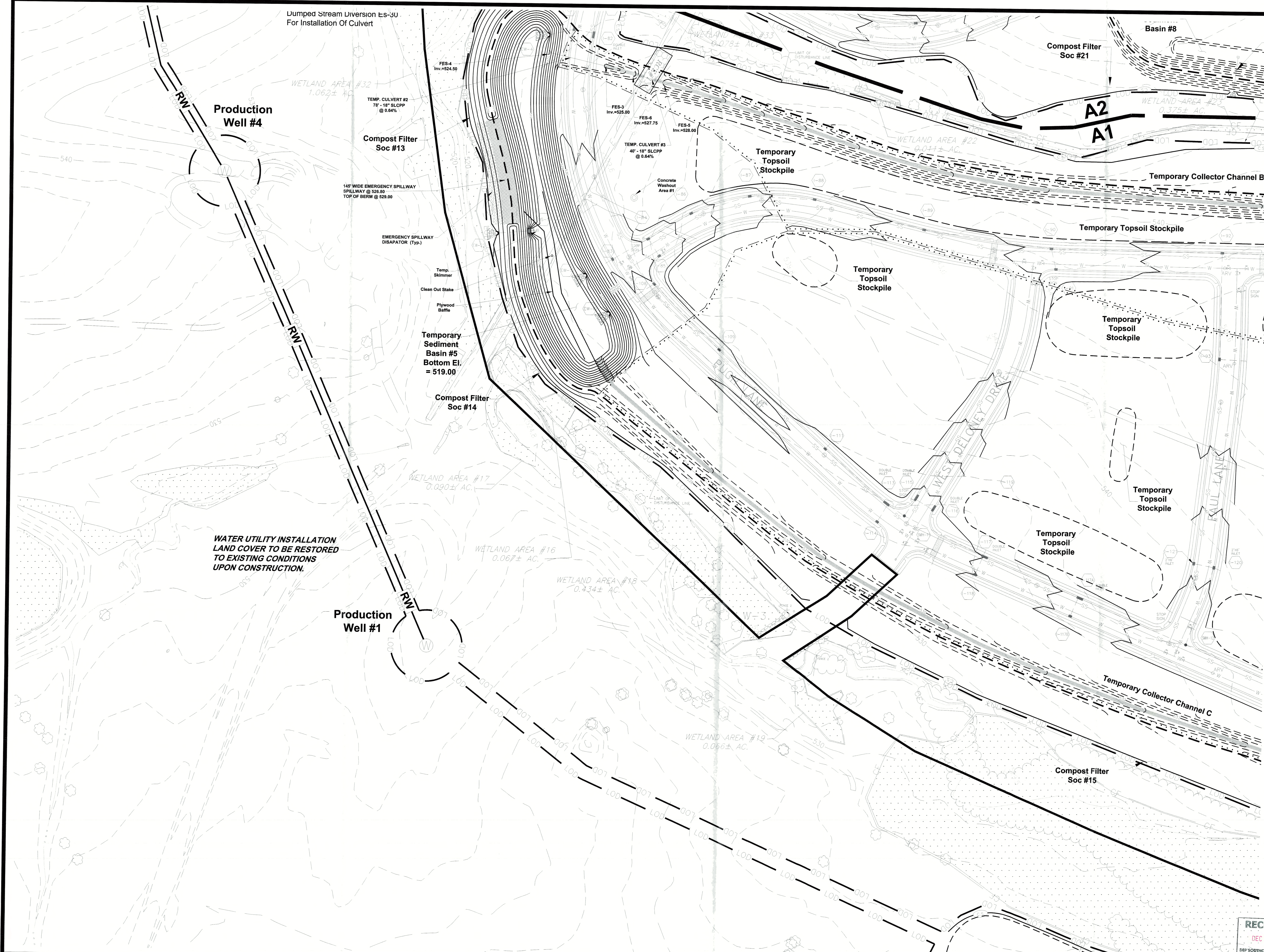
| REVISIONS | | XREFS |
|-----------|----------|---|
| NO. | DATE | DESCRIPTION |
| 1 | 10/13/17 | AS PER B&E, PEER AND ACCO REVIEW |
| 2 | 12/16/17 | AS PER RADEP/ACC11/130/17 REVIEW LETTER |

CALL BEFORE YOU DIG
PENNSYLVANIA ACT 287 REQUIRES
A WARNING AND NOTICE
CONSTRUCTION PHASE AND 5 WORKING
DAYS IN DESIGN PHASE - STOP CALL
Pennsylvania One-Call System, Inc.
1-800-242-1776
DATE: 08/10/17
REF# 2017222269

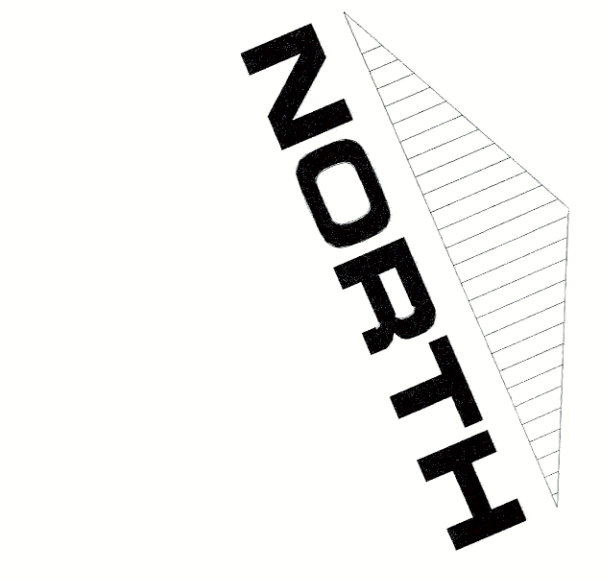
| PLAN PREPARATION | |
|----------------------|---------------------------|
| DRAWN BY: DB/EW | DATE: SEPTEMBER 5, 2017 |
| DESIGNED BY: RAS/M&M | FILE NO.: 1250.6A |
| CHECKED BY: JM | DRAWING: 1250.6A-ES-04.13 |

STAGE 1 INFRASTRUCTURE - AREA A-3
GETTYSBURG COMMONS
A PLANNED COMMUNITY FOR ACTIVE ADULTS
STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA

SCALE
1" = 50'
SHEET NO.
ES-07-A3



| | | | | | |
|----|----|----|----|----|----|
| A6 | A5 | A4 | A3 | A2 | A1 |
| B6 | B5 | B4 | B3 | B2 | B1 |
| C6 | C5 | C4 | C3 | C2 | C1 |
| | D4 | D3 | D2 | D1 | |
| | E3 | E2 | E1 | | |
| | F2 | F1 | | | |



LEGEND

| | |
|-------------------------------------|--|
| EXISTING CURB | |
| PROPOSED CURB | |
| EXISTING RIGHT-OF-WAY LINE | |
| LOT LINE | |
| EXISTING STREAM CENTERLINE | |
| EXISTING VEGETATION | |
| EXISTING TREELINE | |
| PROPOSED TREELINE | |
| EXISTING MAILBOX | |
| EXISTING UTILITY POLE | |
| EXISTING OVERHEAD TELEPHONE LINE | |
| EXISTING UNDERGROUND TELEPHONE LINE | |
| EXISTING OVERHEAD ELECTRIC LINE | |
| EXISTING WELL | |
| EXISTING WATER VALVE | |
| EXISTING FIRE HYDRANT | |
| EXISTING WATER LINE | |
| EXISTING SANITARY SEWER MANHOLE | |
| EXISTING SANITARY SEWER LINE | |
| EXISTING SANITARY SEWER FORCE MAIN | |
| EXISTING TELEPHONE BOX | |
| EXISTING GAS LINE | |
| EXISTING GAS VALVE | |
| EXISTING STORM MANHOLE | |
| PROPOSED STORM MANHOLE | |
| EXISTING STORM INLET | |
| PROPOSED STORM INLET | |
| EXISTING STORM HEADWALL / ENDWALL | |
| PROPOSED STORM HEADWALL / ENDWALL | |
| PROPOSED STORM STRUCTURE LABEL | |
| EXISTING STORM PIPE | |
| PROPOSED STORM PIPE | |
| PROPOSED PIPY GULLET STRUCTURE | |
| EXISTING CONTOUR LINE | |
| PROPOSED CONTOUR LINE | |
| TEMPORARY EAS, BMP, CONTOURS | |
| PROPOSED SPOT ELEVATION | |
| NAG 24150 STORM LINING | |
| NAG P300 STORM LINING | |
| NAG 75 STORM LINING | |
| LIMITS OF DISTURBANCE | |
| NPDES BOUNDARY | |
| TEMPORARY INLET PROTECTION | |
| SEDIMENT TRAP DRAINAGE DIVIDE | |
| SOIL TYPE BOUNDARY LINE | |
| SOIL TYPE DESIGNATION | |
| CONSTRUCTION FENCE | |
| COMPOST FILTER SOC | |
| FENCE | |
| CHANNEL DRAINAGE DIVIDE | |

SOILS CLASSIFICATIONS

AS PER THE SOIL SURVEY OF ADAMS COUNTY THE FOLLOWING SOILS WERE IDENTIFIED ON THE SUBJECT TRACT

| | |
|-----|--|
| ABA | ABBOTTSTOWN SILT LOAM, 0% TO 3% SLOPES |
| ABD | ABBOTTSTOWN SILT LOAM, 0% TO 3% SLOPES |
| CB | CROTON SILT LOAM, 3% TO 8% SLOPES |
| CHB | CHERRYVILLE CHANNELLY SILT LOAM, 0% TO 8% SLOPES |
| HAB | HARRISBURG CHANNELLY SILT LOAM, 3% TO 8% SLOPES |
| PBB | PERM SILT LOAM, 0% TO 8% SLOPES |
| WB | WATCHDOG SILT LOAM, 0% TO 8% SLOPES |

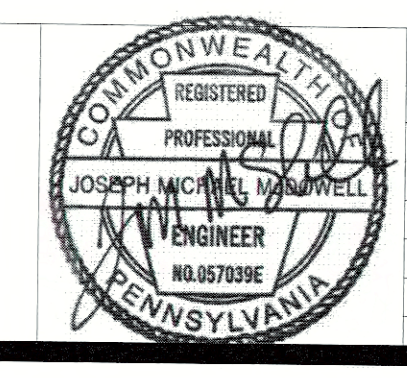
EROSION & SEDIMENT CONTROL PLAN NOTES:

- NO DISTURBANCE BEYOND THE PERIMETER OF EROSION AND SEDIMENT CONTROL BMP'S IS ALLOWED. THE BMP IS SHOWN OFFSET FROM THE LIMIT OF DISTURBANCE ON THESE PLANS FOR CLARITY.
- DRAINAGE AREAS AS SHOWN HEREON TO BMP'S PROPOSED SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
- THE LIMIT OF DISTURBANCE SHOWN HEREON IS ALSO THE LIMIT OF DISTURBANCE FOR ANY ON GOING MAINTENANCE AS REQUIRED.

RECEIVED
DEC 26 2017
DEP SOUTHCENTRAL REGION
WATERWAYS & WETLANDS

GRAPHIC SCALE IN FEET
1" = 50'

SHARRAH DESIGN GROUP, INC.
Land Surveying & Consulting Services
20 Chambersburg Road
Gettysburg, Pennsylvania 17325
Tel. (717) 334-5400 Fax: (717) 334-0922



| NO. | DATE | DESCRIPTION |
|-----|----------|--|
| 1 | 10/13/17 | AS PER RAL/REB AND ACCO REVIEW |
| 2 | 12/18/17 | AS PER PAGER/ACCO 11/30/17 REVIEW LETTER |

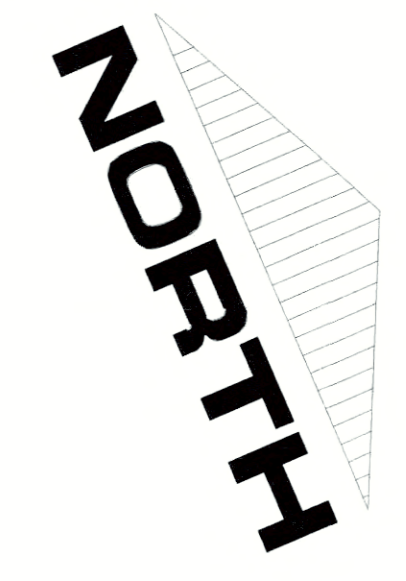
CALL BEFORE YOU DIG
PENNSYLVANIA ACT 287, REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 5 WORKING DAYS IN DESIGN STAGE. STOP CALL PENNSYLVANIA One-Call System, Inc.
1-800-242-1776
DATE: 08/10/17
REF# 2017222269

| PLAN PREPARATION | |
|----------------------|---------------------------|
| DRAWN BY: DB/EW | DATE: SEPTEMBER 5, 2017 |
| DESIGNED BY: RAS/M&M | FILE NO.: 1250.6A |
| CHECKED BY: JM | DRAWING: 1250.6A-ES-04.13 |

STAGE 1 INFRASTRUCTURE - AREA B-3
GETTYSBURG COMMONS
A PLANNED COMMUNITY FOR ACTIVE ADULTS
SHARRAH TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA
SCALE 1" = 50'
SHEET NO. ES-10-B3

| | | | | | |
|----|----|----|----|----|----|
| A6 | A5 | A4 | A3 | A2 | A1 |
| B6 | B5 | B4 | B3 | B2 | B1 |
| C6 | C5 | C4 | C3 | C2 | C1 |
| D4 | D3 | D2 | D1 | | |
| E3 | E2 | E1 | | | |
| | F2 | F1 | | | |

SHEET INDEX
NOT TO SCALE



LEGEND

- EXISTING CURB
- PROPOSED CURB
- EXISTING RIGHT-OF-WAY LINE
- LOT LINE
- EXISTING STREAM CENTERLINE
- EXISTING VEGETATION
- DECIDUOUS TREE
- EVERGREEN TREE
- EXISTING TREELINE
- PROPOSED TREELINE
- EXISTING MANSION
- EXISTING UTILITY POLE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WELL
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER LINE
- EXISTING SANITARY SEWER FOREMAN
- EXISTING TELEPHONE BOX
- EXISTING GAS LINE
- EXISTING GAS VALVE
- EXISTING STORM MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM INLET
- PROPOSED STORM INLET
- EXISTING STORM HEADWALL / ENDWALL
- PROPOSED STORM HEADWALL / ENDWALL
- PROPOSED STORM STRUCTURE LABEL
- INLET ENDWALL / HEADWALL
- STORM MANHOLE
- FLARED MANHOLE EXTENSION
- EXISTING STORM PIPE
- PROPOSED STORM PIPE
- PROPOSED PIPE OUTLET STRUCTURE
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- TEMPORARY E&S BMP CONTOURS
- PROPOSED SPOT ELEVATION
- NAG SC150 STORM LINING
- NAG P300 STORM LINING
- NAG 75 STORM LINING
- LIMITS OF DISTURBANCE
- NPDES BOUNDARY
- TEMPORARY INLET PROTECTION
- SEDIMENT TRAP DRAINAGE DIVIDE
- SOIL TYPE BOUNDARY LINE
- SOIL TYPE DESIGNATION
- CONSTRUCTION FENCE
- COMPOST FILTER SOE
- FENCE
- CHANNEL DRAINAGE DIVIDE

SOILS CLASSIFICATIONS

AS PER THE SOIL SURVEY OF ADAMS COUNTY THE FOLLOWING SOILS WERE IDENTIFIED ON THE SUBJECT TRACT:

- ABA - ABBOTTSTOWN SILT LOAM, 0% TO 3% SLOPES
- AB - ABBOTTSTOWN SILT LOAM, 3% TO 8% SLOPES
- CA - CRITON SILT LOAM, 3% TO 8% SLOPES
- HUB - HORSBURG CHANNELLY SILT LOAM, 3% TO 8% SLOPES
- HUB - HERSHMAN CHANNELLY SILT LOAM, 3% TO 8% SLOPES
- FB - FIRM SILT LOAM, 3% TO 8% SLOPES
- WB - WATCHUN SILT LOAM, 3% TO 8% SLOPES

EROSION & SEDIMENT CONTROL PLAN NOTES:

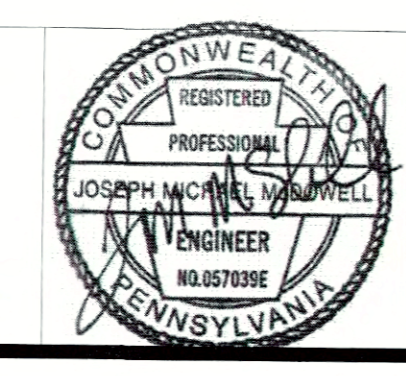
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- 2) DRAINAGE AREAS AS SHOWN HEREON TO BMP'S PROPOSED SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
- 3) THE LIMIT OF DISTURBANCE SHOWN HEREON IS ALSO THE LIMIT OF DISTURBANCE FOR ANY ON GOING MAINTENANCE AS REQUIRED.

RECEIVED
DEC 26 2017
DEP SOUTHCENTRAL REGION
WATERWAYS & WETLANDS

GRAPHIC SCALE IN FEET
1" = 50'



SHARRAH DESIGN GROUP, INC.
Land Surveying & Consulting Services
20 Chambersburg Road
Gettysburg, Pennsylvania 17325
Tel: (717) 334-5400 Fax: (717) 334-0922



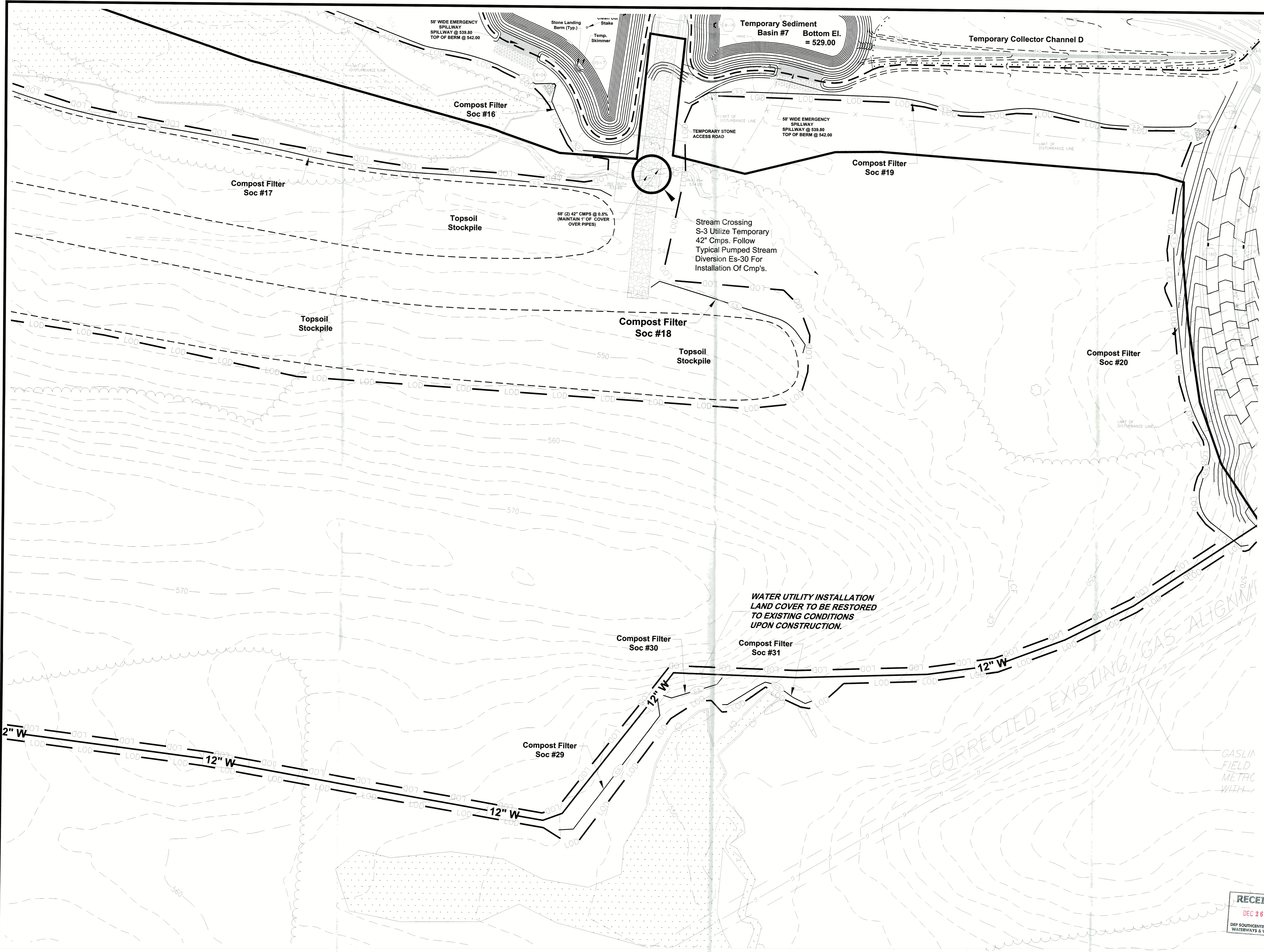
| NO. | DATE | DESCRIPTION |
|-----|----------|--|
| 1 | 10/13/17 | AS PER E&S PEER AND ACCO REVIEW |
| 2 | 12/18/17 | AS PER PAPEP/ACCD 11/30/17 REVIEW LETTER |

CALL BEFORE YOU DIG
PENNSYLVANIA ACT 287 REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 5 WORKING
DAYS IN DESIGN STAGE. STOP CALL
PENNSYLVANIA One Call System, Inc.
1-800-242-1776
DATE: 08/10/17
REF# 2017222269

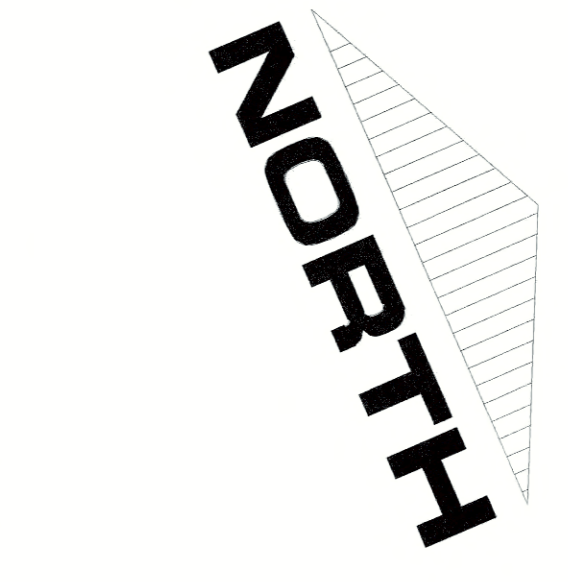
| PLAN PREPARATION | |
|----------------------|---------------------------|
| DRAWN BY: DB/EW | DATE: SEPTEMBER 5, 2017 |
| DESIGNED BY: RAS/M&M | FILE NO.: 1250.6A |
| CHECKED BY: JM | DRAWING: 1250.6A-ES-04.13 |

STAGE 1 INFRASTRUCTURE - AREA C-1
GETTYSBURG COMMONS
A PLANNED COMMUNITY FOR ACTIVE ADULTS
STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA

SCALE
1" = 50'
SHEET NO.
ES-11-C1



| | | | | | |
|----|----|----|----|----|----|
| A6 | A5 | A4 | A3 | A2 | A1 |
| B6 | B5 | B4 | B3 | B2 | B1 |
| C6 | C5 | C4 | C3 | C2 | C1 |
| | D4 | D3 | D2 | D1 | |
| | E3 | E2 | E1 | | |
| | F2 | F1 | | | |



LEGEND

| | |
|-----------------------------------|--|
| EXISTING CURB | |
| PROPOSED CURB | |
| EXISTING RIGHT-OF-WAY LINE | |
| EXISTING STREAM CENTERLINE | |
| EXISTING VEGETATION | |
| EXISTING TREELINE | |
| PROPOSED TREELINE | |
| EXISTING WALKWAY | |
| EXISTING UTILITY POLE | |
| EXISTING OVERHEAD TELEPHONE LINE | |
| EXISTING OVERHEAD TELEPHONE LINE | |
| EXISTING OVERHEAD ELECTRIC LINE | |
| EXISTING WELL | |
| EXISTING WATER VALVE | |
| EXISTING FIRE HYDRANT | |
| EXISTING WATER LINE | |
| EXISTING SANITARY SEWER MANHOLE | |
| EXISTING SANITARY SEWER LINE | |
| EXISTING SANITARY SEWER FOREDMAN | |
| EXISTING TELEPHONE BOX | |
| EXISTING GAS LINE | |
| EXISTING GAS VALVE | |
| EXISTING STORM MANHOLE | |
| PROPOSED STORM MANHOLE | |
| EXISTING STORM INLET | |
| PROPOSED STORM INLET | |
| EXISTING STORM HEADWALL / ENDWALL | |
| PROPOSED STORM HEADWALL / ENDWALL | |
| PROPOSED STORM STRUCTURE LABEL | |
| EXISTING STORM PIPE | |
| PROPOSED STORM PIPE | |
| PROPOSED STORM GULCH STRUCTURE | |
| EXISTING CONTOUR LINE | |
| PROPOSED CONTOUR LINE | |
| TEMPORARY EAS, BMP, CONTOURS | |
| PROPOSED SPOT ELEVATION | |
| NAC 50:50 STORM LINING | |
| NAC 3:30 STORM LINING | |
| NAC 7:5 STORM LINING | |
| LIMITS OF DISTURBANCE | |
| NPDES BOUNDARY | |
| TEMPORARY INLET PROTECTION | |
| SEDIMENT TRAP DRAINAGE DIVIDE | |
| SOIL TYPE BOUNDARY LINE | |
| SOIL TYPE DESIGNATION | |
| CONSTRUCTION FENCE | |
| COMPOST FILTER SOC | |
| FENCE | |
| CHANNEL DRAINAGE DIVIDE | |

SOILS CLASSIFICATIONS

AS PER THE SOIL SURVEY OF ADAMS COUNTY THE FOLLOWING SOILS WERE IDENTIFIED ON THE SUBJECT TRACT:

| |
|--|
| ABA - ABBOTTSBURY SILT LOAM, 0% TO 2% SLOPES |
| ABE - ABBOTTSBURY SILT LOAM, 0% TO 2% SLOPES |
| ABF - ABBOTTSBURY SILT LOAM, 2% TO 8% SLOPES |
| ABG - ABBOTTSBURY SILT LOAM, 8% TO 12% SLOPES |
| ABH - ABBOTTSBURY SILT LOAM, 12% TO 18% SLOPES |
| ABI - ABBOTTSBURY SILT LOAM, 18% TO 24% SLOPES |
| ABJ - ABBOTTSBURY SILT LOAM, 24% TO 30% SLOPES |
| ABK - ABBOTTSBURY SILT LOAM, 30% TO 36% SLOPES |
| ABL - ABBOTTSBURY SILT LOAM, 36% TO 42% SLOPES |
| ABM - ABBOTTSBURY SILT LOAM, 42% TO 48% SLOPES |
| ABN - ABBOTTSBURY SILT LOAM, 48% TO 54% SLOPES |
| ABO - ABBOTTSBURY SILT LOAM, 54% TO 60% SLOPES |

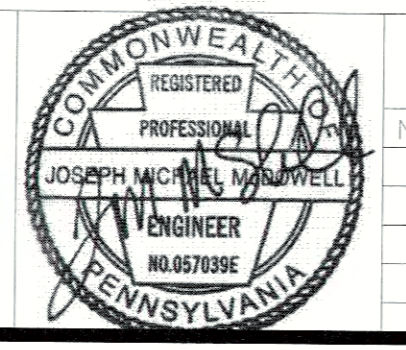
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RECEIVED
DEC 28 2017
DEP SOUTHCENTRAL REGION
WATERWAYS & WETLANDS



SHARRAH DESIGN GROUP, INC.
Land Surveying & Consulting Services
20 Chambersburg Road
Gettysburg, Pennsylvania 17325
Tel: (717) 334-5400 Fax: (717) 334-0922



| REVISIONS | | XREFS |
|-----------|----------|--|
| NO. | DATE | DESCRIPTION |
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| 2 | 12/18/17 | AS PER PADEP/ACCD 11/30/17 REVIEW LETTER |

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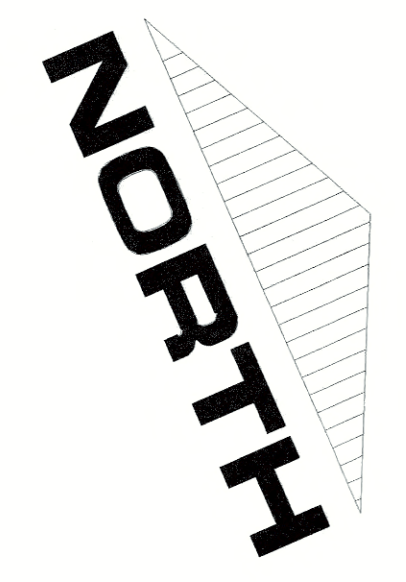
| PLAN PREPARATION | |
|----------------------|---------------------------|
| DRAWN BY: | DATE: |
| DB/EW | SEPTEMBER 5, 2017 |
| DESIGNED BY: RAS/M&M | FILE NO.: 1250.6A |
| CHECKED BY: JM | DRAWING: 1250.6A-ES-04.13 |

STAGE 1 INFRASTRUCTURE - AREA C-2
GETTYSBURG COMMONS
A PLANNED COMMUNITY FOR ACTIVE ADULTS
STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA

SCALE
1" = 50'
SHEET NO.
ES-12-C2

| | | | | | |
|----|----|----|----|----|----|
| A6 | A5 | A4 | A3 | A2 | A1 |
| B6 | B5 | B4 | B3 | B2 | B1 |
| C6 | C5 | C4 | C3 | C2 | C1 |
| | D4 | D3 | D2 | D1 | |
| | E3 | E2 | E1 | | |
| | F2 | F1 | | | |

SHEET INDEX
NOT TO SCALE



LEGEND

- EXISTING CURB
- PROPOSED CURB
- EXISTING RIGHT-OF-WAY LINE
- LOT LINE
- EXISTING STREAM CENTERLINE
- EXISTING VEGETATION
- EXISTING TREELINE
- PROPOSED TREELINE
- EXISTING MAILBOX
- EXISTING UTILITY POLE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WELL
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER LINE
- EXISTING SANITARY SEWER FORCEMAIN
- EXISTING TELEPHONE BOX
- EXISTING GAS LINE
- EXISTING GAS VALVE
- EXISTING STORM MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM HOLE
- PROPOSED STORM HOLE
- EXISTING STORM HEADWALL / ENDWALL
- PROPOSED STORM HEADWALL / ENDWALL
- PROPOSED STORM STRUCTURE LABEL
- EXISTING STORM PIPE
- PROPOSED STORM PIPE
- PROPOSED PIPE OUTLET STRUCTURE
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- TEMPORARY EAS, BMP, CONTOURS
- PROPOSED SPOT ELEVATION
- NAG 50150 STORM LINING
- NAG P300 STORM LINING
- NAG 75 STORM LINING
- LIMITS OF DISTURBANCE
- NPDES BOUNDARY
- TEMPORARY INLET PROTECTION
- SEDIMENT TRAP DRAINAGE GUIDE
- SOIL TYPE BOUNDARY LINE
- SOIL TYPE DESIGNATION
- CONSTRUCTION FENCE
- COMPOST FILTER SO2
- FENCE
- CHANNEL DRAINAGE DIVIDE

SOILS CLASSIFICATIONS

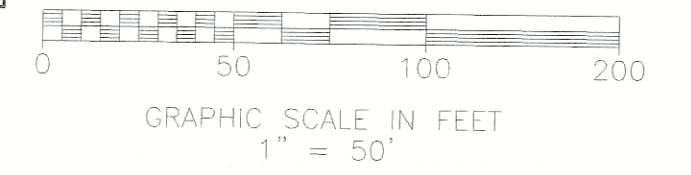
AS PER THE SOIL SURVEY OF ADAMS COUNTY THE FOLLOWING SOILS WERE IDENTIFIED ON THE SUBJECT TRACT:

- AAA - ABBOTSTOWN SILT LOAM, 0% TO 1% SLOPES
- AAE - ABBOTSTOWN SILT LOAM, 0% TO 1% SLOPES
- DA - CROTON SILT LOAM, 3% TO 8% SLOPES
- FA - KUNESVILLE CHANNELRY SILT LOAM, 3% TO 8% SLOPES
- FAE - KUNESVILLE CHANNELRY SILT LOAM, 3% TO 8% SLOPES
- FAE - PENN SILT LOAM, 3% TO 8% SLOPES
- FAE - WOODMAN SILT LOAM, 3% TO 8% SLOPES

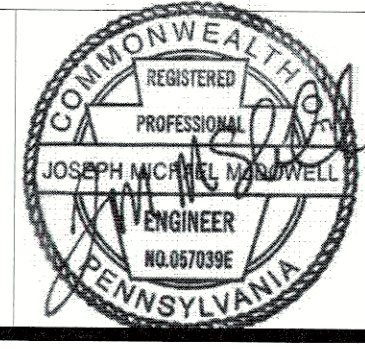
EROSION & SEDIMENT CONTROL PLAN NOTES:

- 1) NO DISTURBANCE BEYOND THE PERIMETER OF EROSION AND SEDIMENT CONTROL. BMP'S IS ALLOWED THE BMP IS SHOWN OFFSET FROM THE LIMIT OF DISTURBANCE ON THESE PLANS FOR CLARITY.
- 2) DRAINAGE AREAS AS SHOWN HEREON TO BMP'S PROPOSED SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.

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WATERWAYS & WETLANDS



SHARRAH DESIGN GROUP, INC.
Land Surveying & Consulting Services
20 Chambersburg Road
Gettysburg, Pennsylvania 17325
Tel: (717) 334-5400 Fax: (717) 334-0922



| REVISIONS | | | XREFS |
|-----------|----------|--|-------|
| NO. | DATE | DESCRIPTION | |
| 1 | 10/13/17 | AS PER B&L PEER AND ACCD REVIEW | |
| 2 | 12/18/17 | AS PER PAPER/ACCD 11/30/17 REVIEW LETTER | |

CALL BEFORE YOU DIG
PENNSYLVANIA ACT 287 REQUIRES
5 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 5 WORKING
DAYS IN DESIGN STAGE - STOP CALL
Pennsylvania One Call System, Inc.
1-800-242-1776
DATE: 08/10/17
REF: 2017222269

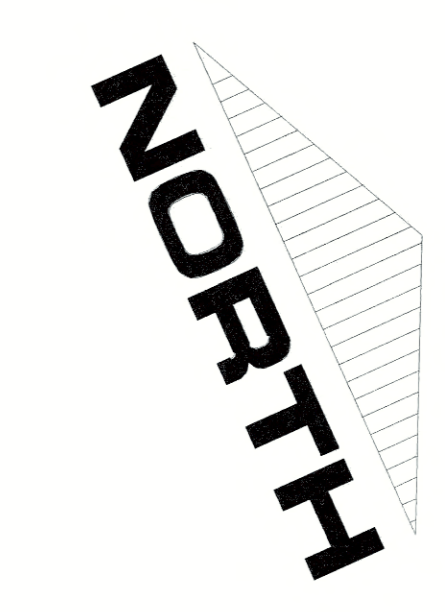
| PLAN PREPARATION | |
|----------------------|-------------------------|
| DRAWN BY: DB/EW | DATE: SEPTEMBER 5, 2017 |
| DESIGNED BY: RAS/M&M | FILE NO.: 1250.6A |
| CHECKED BY: JM | DRHWG: 1250.6A-ES-04.13 |

STAGE 1 INFRASTRUCTURE - AREA C-3
GETTYSBURG COMMONS
A PLANNED COMMUNITY FOR ACTIVE ADULTS
STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA

SCALE
1" = 50'
SHEET NO.
ES-13-C3

| | | | | | |
|----|----|----|----|----|----|
| A6 | A5 | A4 | A3 | A2 | A1 |
| B6 | B5 | B4 | B3 | B2 | B1 |
| C6 | C5 | C4 | C3 | C2 | C1 |
| | | D4 | D3 | D2 | D1 |
| | | E3 | E2 | E1 | |
| | | F2 | F1 | | |

SHEET INDEX
NOT TO SCALE



LEGEND

| | |
|-------------------------------------|-----|
| EXISTING CURB | --- |
| PROPOSED CURB | --- |
| EXISTING RIGHT-OF-WAY LINE | --- |
| LOT LINE | --- |
| EXISTING STREAM CENTERLINE | --- |
| EXISTING VEGETATION | --- |
| DECEIDUOUS TREE | --- |
| EVERGREEN TREE | --- |
| EXISTING TREELINE | --- |
| PROPOSED TREELINE | --- |
| EXISTING MAILBOX | --- |
| EXISTING UTILITY POLE | --- |
| EXISTING OVERHEAD TELEPHONE LINE | --- |
| EXISTING UNDERGROUND TELEPHONE LINE | --- |
| EXISTING OVERHEAD ELECTRIC LINE | --- |
| EXISTING WELL | --- |
| EXISTING WATER VALVE | --- |
| EXISTING FIRE HYDRANT | --- |
| EXISTING WATER LINE | --- |
| EXISTING SANITARY SEWER MANHOLE | --- |
| EXISTING SANITARY SEWER LINE | --- |
| EXISTING SANITARY SEWER FORCEMAIN | --- |
| EXISTING TELEPHONE BOX | --- |
| EXISTING GAS LINE | --- |
| EXISTING GAS VALVE | --- |
| EXISTING STORM MANHOLE | --- |
| PROPOSED STORM MANHOLE | --- |
| EXISTING STORM INLET | --- |
| PROPOSED STORM INLET | --- |
| EXISTING STORM HEADWALL / ENDWALL | --- |
| PROPOSED STORM HEADWALL / ENDWALL | --- |
| PROPOSED STORM STRUCTURE LABEL | --- |
| INLET | --- |
| ENDWALL | --- |
| STORM MANHOLE | --- |
| FLARED MANHOLE INTERSECTION | --- |
| EXISTING STORM PIPE | --- |
| PROPOSED STORM PIPE | --- |
| PROPOSED PIPE OUTLET STRUCTURE | --- |
| EXISTING CONTOUR LINE | --- |
| PROPOSED CONTOUR LINE | --- |
| PROPOSED SPOT ELEVATION | --- |
| NAG SC150 STORM LINING | --- |
| NAG P300 STORM LINING | --- |
| NAG T5 STORM LINING | --- |
| LIMITS OF DISTURBANCE | --- |
| NPDES BOUNDARY | --- |
| TEMPORARY INLET PROTECTION | --- |
| SEDIMENT TRAP DRAINAGE DIVIDE | --- |
| SOIL TYPE BOUNDARY LINE | --- |
| SOIL TYPE DESIGNATION | --- |
| CONSTRUCTION FENCE | --- |
| COMPOST FILTER SOC | --- |
| FENCE | --- |

SOILS CLASSIFICATIONS

AS PER THE SOIL SURVEY OF ADAMS COUNTY THE FOLLOWING SOILS WERE IDENTIFIED ON THE SUBJECT TRACT:

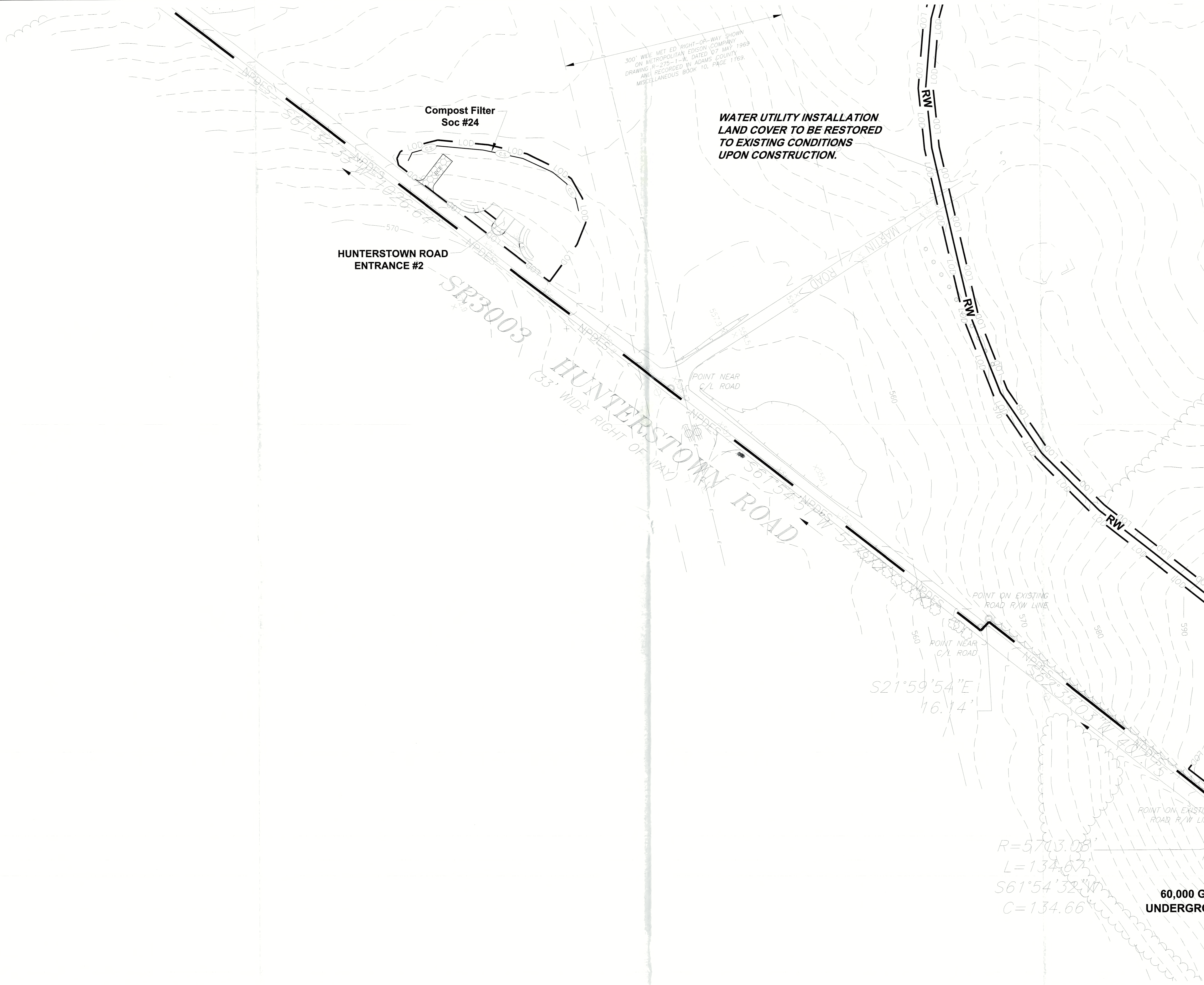
AAA - ABBOTTSTOWN SILT LOAM, 0% TO 1% SLOPES
 ABB - ABBOTTSTOWN SILT LOAM, 0% TO 1% SLOPES
 CA - PROTON SILT LOAM, 1% TO 8% SLOPES
 KRB - HUNDELSVILLE CHANNERY SILT LOAM, 1% TO 8% SLOPES
 NUB - NEARBY CHANNERY SILT LOAM, 1% TO 8% SLOPES
 PUB - PENN SILT LOAM, 1% TO 8% SLOPES
 WAB - WATSON SILT LOAM, 1% TO 8% SLOPES

EROSION & SEDIMENT CONTROL PLAN NOTES:

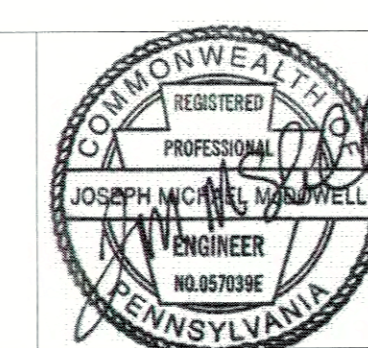
- NO DISTURBANCE BEYOND THE PERIMETER OF EROSION AND SEDIMENT CONTROL BMP'S IS ALLOWED. THE BMP IS SHOWN OFFSET FROM THE LIMIT OF DISTURBANCE ON THESE PLANS FOR CLARITY.
- DRAINAGE AREAS AS SHOWN HEREON TO BMP'S PROPOSED SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
- THE LIMIT OF DISTURBANCE SHOWN HEREON IS ALSO THE LIMIT OF DISTURBANCE FOR ANY ON GOING MAINTENANCE AS REQUIRED.

RECEIVED
DEC 9 2017

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WATERWAYS & WETLANDS



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 Land Surveying & Consulting Services
 20 Chambersburg Road
 Gettysburg, Pennsylvania 17325
 Tel: (717) 334-5400 Fax: (717) 334-0922



| NO. | DATE | DESCRIPTION |
|-----|----------|--|
| 1 | 10/13/17 | AS PER BAL, PEER AND ACCD REVIEW |
| 2 | 12/18/17 | AS PER PADEP/ACCD 11/30/17 REVIEW LETTER |

CALL BEFORE YOU DIG
 PENNSYLVANIA ACT 287 REQUIRES
 3 WORKING DAYS NOTICE FOR
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 DAYS IN DESIGN STAGE - STOP CALL
 Pennsylvania One Call System, Inc.
 1-800-242-1776
 DATE: 08/10/17
 REF# 2017222269

| PLAN PREPARATION | |
|----------------------|---------------------------|
| DRAWN BY: DB/EW | DATE: SEPTEMBER 5, 2017 |
| DESIGNED BY: RAS/M&M | FILE NO.: 1250.6A |
| CHECKED BY: JM | DRAWING: 1250.6A-FS-14.16 |

STAGE 1 INFRASTRUCTURE - AREA D-4

GETTYSBURG COMMONS

A PLANNED COMMUNITY FOR ACTIVE ADULTS

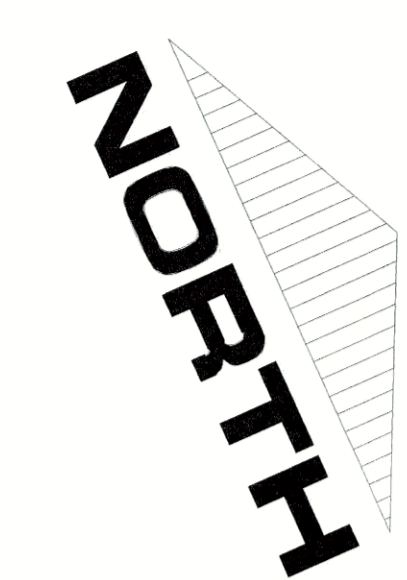
STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA

SCALE
1" = 50'

SHEET NO.
ES-14-D4

| | | | | | |
|----|----|----|----|----|----|
| A6 | A5 | A4 | A3 | A2 | A1 |
| B6 | B5 | B4 | B3 | B2 | B1 |
| C6 | C5 | C4 | C3 | C2 | C1 |
| | | D4 | D3 | D2 | D1 |
| | | E3 | E2 | E1 | |
| | | | F2 | F1 | |

SHEET INDEX
NOT TO SCALE



LEGEND

| | |
|---|--|
| EXISTING CURB | |
| PROPOSED CURB | |
| EXISTING RIGHT-OF-WAY LINE | |
| LOT LINE | |
| EXISTING STREAM CENTERLINE | |
| EXISTING VEGETATION | |
| DECIDUOUS TREE | |
| EVERGREEN TREE | |
| EXISTING TREELINE | |
| PROPOSED TREELINE | |
| EXISTING MANSION | |
| EXISTING UTILITY POLE | |
| EXISTING OVERHEAD TELEPHONE LINE | |
| EXISTING UNDERGROUND TELEPHONE LINE | |
| EXISTING OVERHEAD ELECTRIC LINE | |
| EXISTING WELL | |
| EXISTING WATER VALVE | |
| EXISTING FIRE HYDRANT | |
| EXISTING WATER LINE | |
| EXISTING SANITARY SEWER MANHOLE | |
| EXISTING SANITARY SEWER LINE | |
| EXISTING SANITARY SEWER FOREDRAN | |
| EXISTING TELEPHONE BOX | |
| EXISTING GAS LINE | |
| EXISTING GAS VALVE | |
| EXISTING STORM MANHOLE | |
| PROPOSED STORM MANHOLE | |
| EXISTING STORM INLET | |
| PROPOSED STORM INLET | |
| EXISTING STORM HEADWALL / ENDWALL | |
| PROPOSED STORM HEADWALL / ENDWALL | |
| PROPOSED STORM STRUCTURE LABEL | |
| INLET ENDWALL / STORM HEADWALL PROTECTION | |
| EXISTING STORM PIPE | |
| PROPOSED STORM PIPE | |
| PROPOSED PIPE OUTLET STRUCTURE | |
| EXISTING CONTOUR LINE | |
| PROPOSED CONTOUR LINE | |
| PROPOSED SPOT ELEVATION | |
| NAG S150 STORM LINING | |
| NAG P300 STORM LINING | |
| NAG T5 STORM LINING | |
| LIMITS OF DISTURBANCE | |
| NPDES BOUNDARY | |
| TEMPORARY INLET PROTECTION | |
| SEDIMENT TRAP DRAINAGE DIVIDE | |
| SOIL TYPE BOUNDARY LINE | |
| SOIL TYPE DESIGNATION | |
| CONSTRUCTION FENCE | |
| COMPOST FILTER SOC | |
| FENCE | |

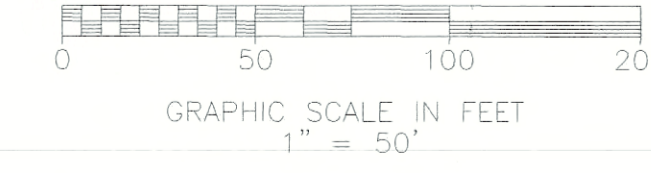
SOILS CLASSIFICATIONS

AS PER THE SOIL SURVEY OF ADAMS COUNTY THE FOLLOWING SOILS WERE IDENTIFIED ON THE SUBJECT TRACT:

ABA - ABBOTTSTOWN SILT LOAM, 0% TO 3% SLOPES
 ABA - ABBOTTSTOWN SILT LOAM, 3% TO 8% SLOPES
 CA - CROTON SILT LOAM, 3% TO 8% SLOPES
 HMB - HUNDELSALE CHANNERY SILT LOAM, 3% TO 8% SLOPES
 HMB - HUNDELSALE CHANNERY SILT LOAM, 8% TO 15% SLOPES
 HMB - HUNDELSALE CHANNERY SILT LOAM, 15% TO 30% SLOPES
 HMB - HUNDELSALE CHANNERY SILT LOAM, 30% TO 45% SLOPES
 HMB - HUNDELSALE CHANNERY SILT LOAM, 45% TO 60% SLOPES
 HMB - HUNDELSALE CHANNERY SILT LOAM, 60% TO 75% SLOPES
 HMB - HUNDELSALE CHANNERY SILT LOAM, 75% TO 90% SLOPES
 HMB - HUNDELSALE CHANNERY SILT LOAM, 90% TO 100% SLOPES

EROSION & SEDIMENT CONTROL PLAN NOTES:

- NO DISTURBANCE BEYOND THE PERIMETER OF EROSION AND SEDIMENT CONTROL BMP'S IS ALLOWED. THE BMP IS SHOWN OFFSET FROM THE LIMIT OF DISTURBANCE ON THESE PLANS FOR CLARITY.
- DRAINAGE AREAS AS SHOWN HEREON TO BMP'S PROPOSED SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
- THE LIMIT OF DISTURBANCE SHOWN HEREON IS ALSO THE LIMIT OF DISTURBANCE FOR ANY ON-GOING MAINTENANCE AS SHOWN ON THESE PLANS.



SHARRAH DESIGN GROUP, INC.
 Land Surveying & Consulting Services
 20 Chambersburg Road
 Gettysburg, Pennsylvania 17325
 Tel: (717) 334-5400 Fax: (717) 334-0922



| REVISIONS | | |
|-----------|----------|--|
| NO. | DATE | DESCRIPTION |
| 1 | 10/13/17 | AS PER B&L PEER AND ACCO REVIEW |
| 2 | 12/18/17 | AS PER RADEP/ACCD 11/30/17 REVIEW LETTER |

| XREFS | |
|-------|--|
| | |

CALL BEFORE YOU DIG
 PENNSYLVANIA ACT 287 REQUIRES
 3 WORKING DAYS NOTICE FOR
 CONSTRUCTION PHASE AND 5 WORKING
 DAYS IN DESIGN STAGE - STOP CALL
 Pennsylvania One Call System, Inc.
 1-800-242-1776
 DATE: 08/10/17
 REF# 2017222269

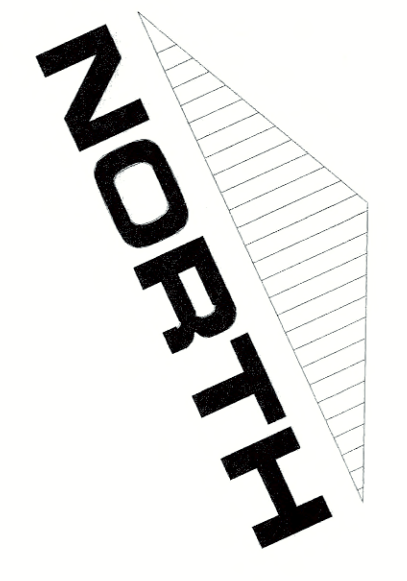
| PLAN PREPARATION | |
|----------------------|---------------------------|
| DRAWN BY: DB/EW | DATE: SEPTEMBER 5, 2017 |
| DESIGNED BY: RAS/M&M | FILE NO.: 1250.6A |
| CHECKED BY: JM | DRAWING: 1250.6A-ES-14.18 |

STAGE 1 INFRASTRUCTURE - AREA E-2
GETTYSBURG COMMONS
 A PLANNED COMMUNITY FOR ACTIVE ADULTS
 STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA

SCALE
 1" = 50'
 SHEET NO.
ES-15-E2

| | | | | | |
|----|----|----|----|----|----|
| A6 | A5 | A4 | A3 | A2 | A1 |
| B6 | B5 | B4 | B3 | B2 | B1 |
| C6 | C5 | C4 | C3 | C2 | C1 |
| D4 | D3 | D2 | D1 | | |
| E3 | E2 | E1 | | | |
| F2 | F1 | | | | |

SHEET INDEX
NOT TO SCALE



LEGEND

- EXISTING CURB
- PROPOSED CURB
- EXISTING HOOT-OF-WAY LINE
- LOT LINE
- EXISTING STREAM CENTERLINE
- EXISTING VEGETATION
- DECIDUOUS TREE
- EVERGREEN TREE
- EXISTING TREELINE
- PROPOSED TREELINE
- EXISTING MAILBOX
- EXISTING UTILITY POLE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WELL
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER LINE
- EXISTING SANITARY SEWER FOREMAN
- EXISTING TELEPHONE BOX
- EXISTING GAS LINE
- EXISTING GAS VALVE
- EXISTING STORM MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM INLET
- PROPOSED STORM INLET
- EXISTING STORM HEADWALL / ENDWALL
- PROPOSED STORM HEADWALL / ENDWALL
- PROPOSED STORM STRUCTURE LABEL
- INLET
- ENDWALL
- STORM HEADWALL
- MANHOLE
- ENROSECTION
- EXISTING STORM PIPE
- PROPOSED STORM PIPE
- PROPOSED PIPE OUTLET STRUCTURE
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED SPOT ELEVATION
- X 550.7
- NAG 50150 STORM LINING
- NAG F300 STORM LINING
- NAG 75 STORM LINING
- LIMITS OF DISTURBANCE
- PIPES BOUNDARY
- TEMPORARY INLET PROTECTION
- SEDIMENT TRAP DRAINAGE SWIDE
- SOIL TYPE BOUNDARY LINE
- SOIL TYPE DESIGNATION
- CONSTRUCTION FENCE
- COMPOST FILTER SOC
- FENCE

SOILS CLASSIFICATIONS

AS PER THE SOIL SURVEY OF ADAMS COUNTY THE FOLLOWING SOILS WERE IDENTIFIED ON THE SUBJECT TRACT:

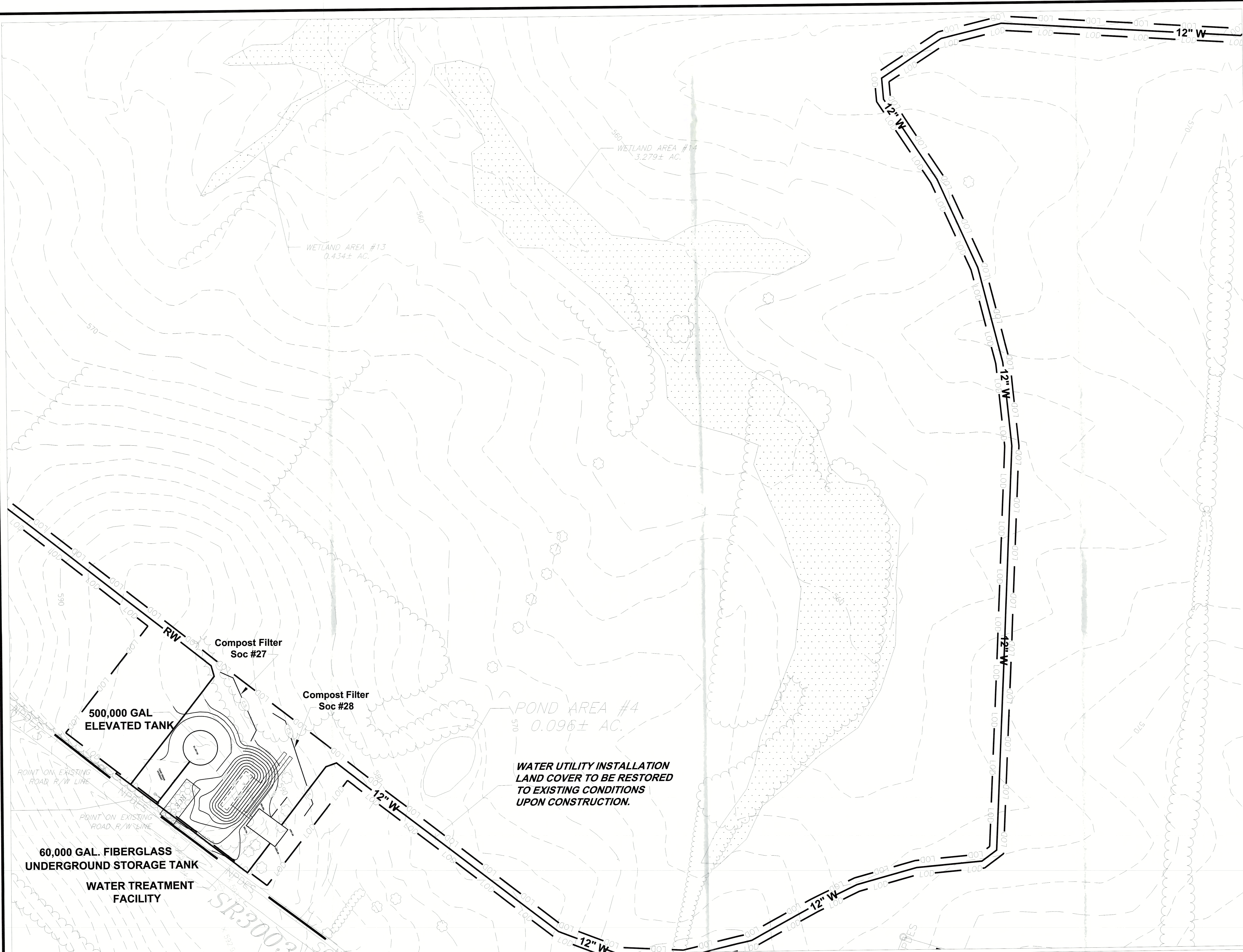
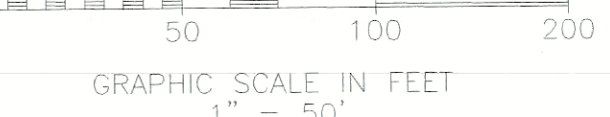
- A4A - ABBOTTSTOWN SILT LOAM, 0% TO 3% SLOPES
- A4B - ABBOTTSTOWN SILT LOAM, 0% TO 3% SLOPES
- C4A - CROFTON SILT LOAM, 3% TO 8% SLOPES
- H4B - KUNESVILLE CHANNERY SILT LOAM, 3% TO 8% SLOPES
- H4C - KUNESVILLE CHANNERY SILT LOAM, 3% TO 8% SLOPES
- P4B - PENN SILT LOAM, 3% TO 8% SLOPES
- W4B - WATSON SILT LOAM, 3% TO 8% SLOPES

EROSION & SEDIMENT CONTROL PLAN NOTES:

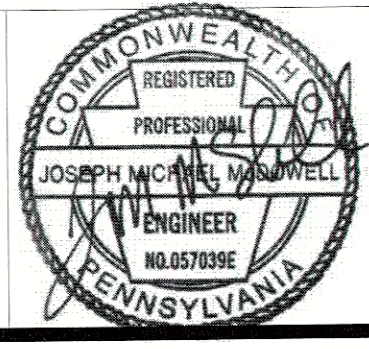
- 1) NO DISTURBANCE BEYOND THE PERIMETER OF EROSION AND SEDIMENT CONTROL BMP'S IS ALLOWED. THE BMP IS SHOWN OFFSET FROM THE LIMIT OF DISTURBANCE ON THESE PLANS FOR CLARITY.
- 2) DRAINAGE AREAS AS SHOWN HEREON TO BMP'S PROPOSED SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
- 3) THE LIMIT OF DISTURBANCE SHOWN HEREON IS ALSO THE LIMIT OF DISTURBANCE FOR MAINTENANCE AS REQUIRED.

RECEIVED
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DWP SOUTHCENTRAL REGION
WATERWAYS & WETLANDS



SHARRAH DESIGN GROUP, INC.
Land Surveying & Consulting Services
20 Chambersburg Road
Gettysburg, Pennsylvania 17325
Tel. (717) 334-5400 Fax: (717) 334-0922



| REVISIONS | | | XREFS |
|-----------|----------|--|-------|
| NO. | DATE | DESCRIPTION | |
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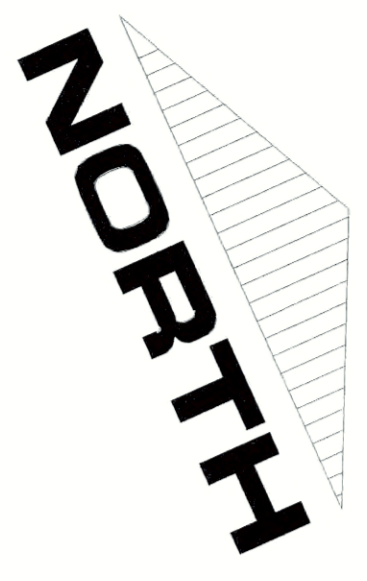
| PLAN PREPARATION | |
|----------------------|---------------------------|
| DRAWN BY: DB/EW | DATE: SEPTEMBER 5, 2017 |
| DESIGNED BY: RAS/M&M | FILE NO.: 1250.6A |
| CHECKED BY: JM | DRAWING: 1250.6A-ES-14.16 |

STAGE 1 INFRASTRUCTURE - AREA D-3
GETTYSBURG COMMONS
A PLANNED COMMUNITY FOR ACTIVE ADULTS
STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA

SCALE
1" = 50'
SHEET NO.
ES-16-D3

| | | | | | |
|----|----|----|----|----|----|
| A6 | A5 | A4 | A3 | A2 | A1 |
| B6 | B5 | B4 | B3 | B2 | B1 |
| C6 | C5 | C4 | C3 | C2 | C1 |
| D4 | D3 | D2 | D1 | | |
| E3 | E2 | E1 | | | |
| F2 | F1 | | | | |

SHEET INDEX
NOT TO SCALE



LEGEND

- EXISTING CURB
- PROPOSED CURB
- EXISTING RIGHT-OF-WAY LINE
- LOT LINE
- EXISTING STREAM CENTERLINE
- EXISTING VEGETATION
- DECIDUOUS TREE
- EVERGREEN TREE
- EXISTING TREELINE
- PROPOSED TREELINE
- EXISTING MAILBOX
- EXISTING UTILITY POLE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WELL
- EXISTING WATER VALVE
- EXISTING FIBRE HYDRANT
- EXISTING WATER LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER LINE
- EXISTING SANITARY SEWER FOREMAN
- EXISTING TELEPHONE BOX
- EXISTING GAS LINE
- EXISTING GAS VALVE
- EXISTING STORM MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM INLET
- PROPOSED STORM INLET
- EXISTING STORM HEADWALL / ENDWALL
- PROPOSED STORM HEADWALL / ENDWALL
- PROPOSED STORM STRUCTURE LABEL
- INLET ENDWALL
- MANHOLE ENDSECTION
- EXISTING STORM PIPE
- PROPOSED STORM PIPE
- PROPOSED PIPE CULVERT STRUCTURE
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED SPOT ELEVATION
- X 550.7
- NAG 50150 STORM LINING
- NAG #300 STORM LINING
- NAG 75 STORM LINING
- LIMITS OF DISTURBANCE
- HPDES BOUNDARY
- TEMPORARY INLET PROTECTION
- SEDIMENT TRAP DRAINAGE DIVICE
- SOIL TYPE BOUNDARY LINE
- SOIL TYPE DESIGNATION
- CONSTRUCTION FENCE
- COMPOST FILTER SOG
- FENCE
- SOIL AMENDMENT AREAS
- PEDESTRIAN TRAIL

SOILS CLASSIFICATIONS

AS PER THE SOIL SURVEY OF ADAMS COUNTY THE FOLLOWING SOILS WERE IDENTIFIED ON THE SUBJECT TRACT:

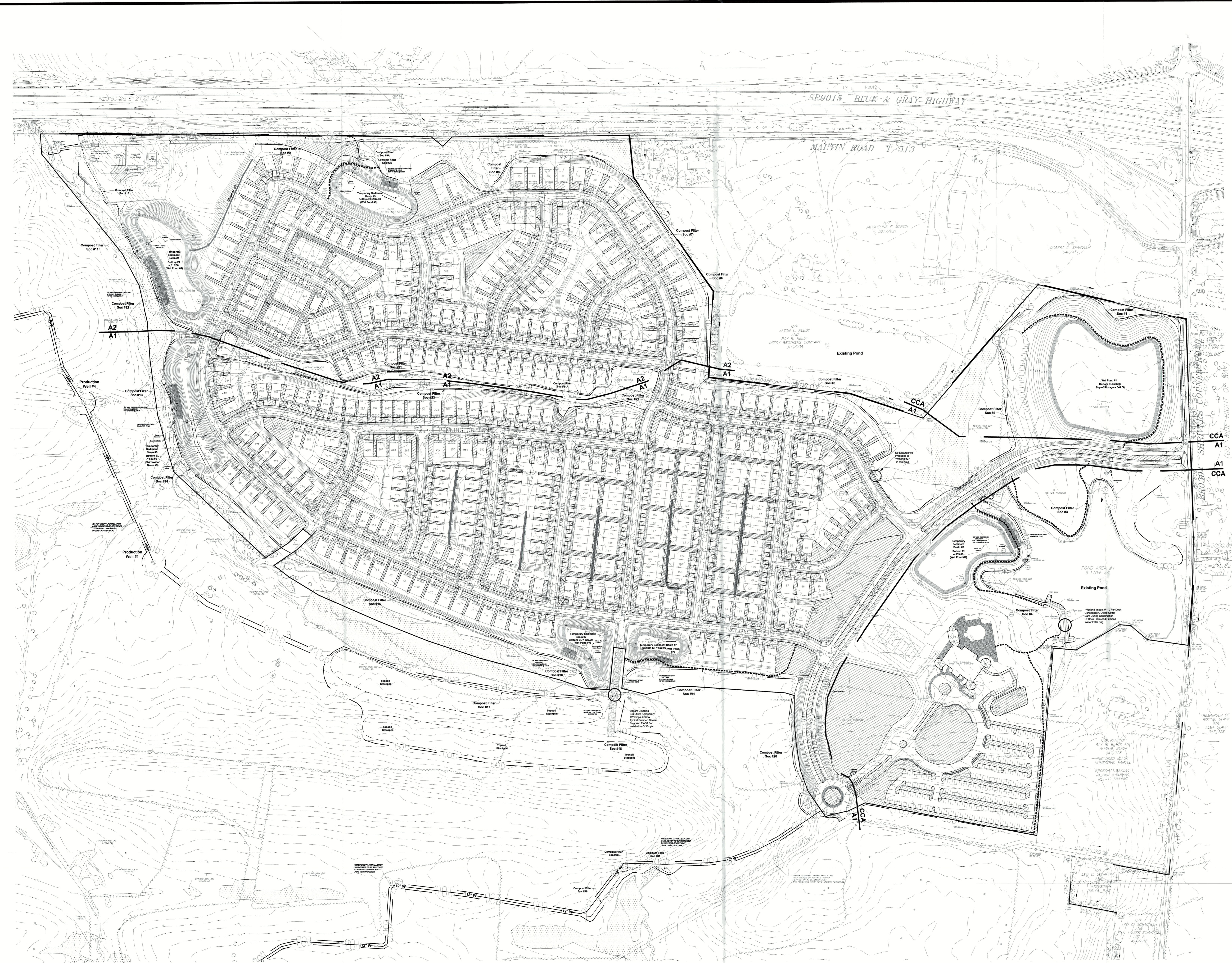
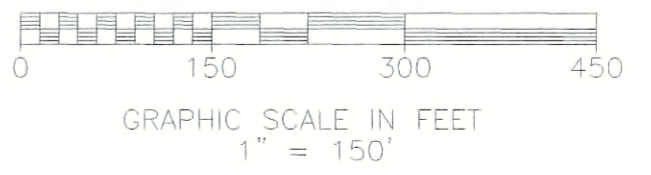
- ABA - ABBOTTSTOWN Silt LOAM, 0% TO 3% SLOPES
- ARB - ABBOTTSTOWN Silt LOAM, 0% TO 3% SLOPES
- CB - CROTON Silt LOAM, 3% TO 8% SLOPES
- CBW - CROTON Silt LOAM, 3% TO 8% SLOPES
- KB - KENNESAW Silt LOAM, 0% TO 3% SLOPES
- KBW - KENNESAW Silt LOAM, 0% TO 3% SLOPES
- PUB - PENN Silt LOAM, 3% TO 8% SLOPES
- WOB - WATCHDOG Silt LOAM, 3% TO 8% SLOPES

EROSION & SEDIMENT CONTROL PLAN NOTES:

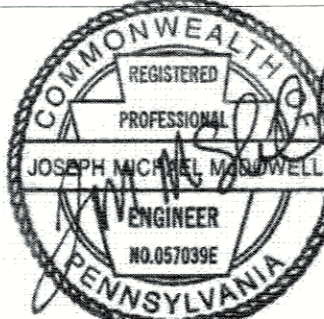
- 1) NO DISTURBANCE BEYOND THE PERIMETER OF EROSION AND SEDIMENT CONTROL BMP'S IS ALLOWED. THE BMP IS SHOWN OFFSET FROM THE LIMIT OF DISTURBANCE ON THESE PLANS FOR CLARITY.
- 2) DRAINAGE AREAS AS SHOWN HEREON TO BMP'S PROPOSED SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
- 3) THE LIMIT OF DISTURBANCE SHALL BE MAINTAINED TO THE LIMIT OF DISTURBANCE AS REQUIRED.

RECEIVED
DEC 26 2017

DIP SOUTHCENTRAL REGION
WATERWAYS & WETLANDS



SHARRAH DESIGN GROUP, INC.
Land Surveying & Consulting Services
20 Chambersburg Road
Gettysburg, Pennsylvania 17325
Tel: (717) 334-5400 Fax: (717) 334-0922



| NO. | DATE | DESCRIPTION | XREFS |
|-----|----------|---|-------|
| 1 | 10/13/17 | AS PER BAL REPR AND ACCD REVIEW | |
| 2 | 12/18/17 | AS PER PADEP/ACCD 11/30/17 REVER LETTER | |

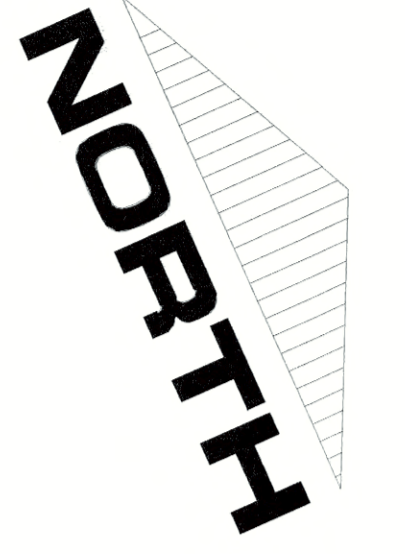
CALL BEFORE YOU DIG
PENNSYLVANIA ACT 287 REQUIRES A WORKING DATE NOTICE FOR CONSTRUCTION PHASE AND 3 WORKING DAYS IN DESIGN STAGE - STOP CALL PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776
DATE: 08/10/17
REF: 2017222269

| PLAN PREPARATION | |
|----------------------|---------------------------|
| DRAWN BY: DB/EW | DATE: SEPTEMBER 5, 2017 |
| DESIGNED BY: RAS/M&M | FILE NO.: 1250.6A |
| CHECKED BY: JM | DRAWING: 1250.6A-ES-17.26 |

E&S CONTROL PLAN - STAGE 2 LOT DEVELOPMENT
GETTYSBURG COMMONS
A PLANNED COMMUNITY FOR ACTIVE ADULTS
STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA
SCALE 1" = 150'
SHEET NO. **ES-17**

| | | | | | |
|----|----|----|----|----|----|
| A6 | A5 | A4 | A3 | A2 | A1 |
| B6 | B5 | B4 | B3 | B2 | B1 |
| C6 | C5 | C4 | C3 | C2 | C1 |
| | D4 | D3 | D2 | D1 | |
| | E3 | E2 | E1 | | |
| | | | F2 | F1 | |

SHEET INDEX
NOT TO SCALE



LEGEND

| | |
|-------------------------------------|--|
| EXISTING CURB | |
| PROPOSED CURB | |
| EXISTING RIGHT-OF-WAY LINE | |
| LOT LINE | |
| EXISTING STREAM CENTERLINE | |
| EXISTING VEGETATION | |
| DECEADUOUS TREE | |
| EVERGREEN TREE | |
| EXISTING TREELINE | |
| PROPOSED TREELINE | |
| EXISTING MAILBOX | |
| EXISTING UTILITY POLE | |
| EXISTING OVERHEAD TELEPHONE LINE | |
| EXISTING UNDERGROUND TELEPHONE LINE | |
| EXISTING OVERHEAD ELECTRIC LINE | |
| EXISTING WELL | |
| EXISTING WATER VALVE | |
| EXISTING FIRE HYDRANT | |
| EXISTING WATER LINE | |
| EXISTING SANITARY SEWER MANHOLE | |
| EXISTING SANITARY SEWER LINE | |
| EXISTING SANITARY SEWER FORCEMAIN | |
| EXISTING TELEPHONE BOX | |
| EXISTING GAS LINE | |
| EXISTING GAS VALVE | |
| EXISTING STORM MANHOLE | |
| PROPOSED STORM MANHOLE | |
| EXISTING STORM INLET | |
| PROPOSED STORM INLET | |
| EXISTING STORM HEADWALL / ENDWALL | |
| PROPOSED STORM HEADWALL / ENDWALL | |
| PROPOSED STORM STRUCTURE LABEL | |
| EXISTING STORM PIPE | |
| PROPOSED STORM PIPE | |
| PROPOSED PIPE OUTLET STRUCTURE | |
| EXISTING CONTOUR LINE | |
| PROPOSED CONTOUR LINE | |
| PROPOSED SPOT ELEVATION | |
| NAG SC10 STORM LINING | |
| NAG P300 STORM LINING | |
| NAG 75 STORM LINING | |
| LIMITS OF DISTURBANCE | |
| NPDES BOUNDARY | |
| TEMPORARY INLET PROTECTION | |
| SEDIMENT TRAP DRAINAGE GUIDE | |
| SOIL TYPE BOUNDARY LINE | |
| SOIL TYPE DESIGNATION | |
| CONSTRUCTION FENCE | |
| COMPOST FILTER SOC | |
| FENCE | |
| PEDESTRIAN TRAIL | |

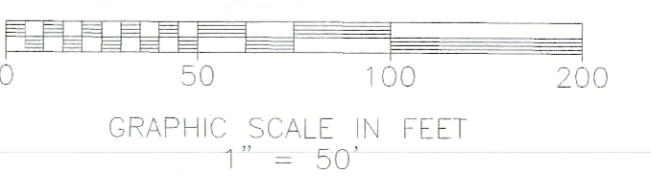
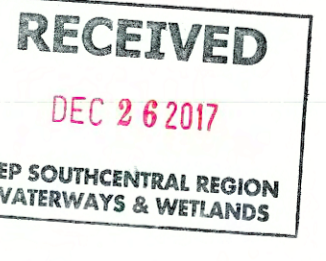
SOILS CLASSIFICATIONS

AS PER THE SOIL SURVEY OF ADAMS COUNTY THE FOLLOWING SOILS WERE IDENTIFIED ON THE SUBJECT TRACT:

ABA - ABBOTTSTOWN SILT LOAM, 0% TO 3% SLOPES
 ABB - ABBOTTSTOWN SILT LOAM, 3% TO 15% SLOPES
 C1A - CROTON SILT LOAM, 3% TO 8% SLOPES
 H1B - HUNTSVILLE CHANNELLY SILT LOAM, 0% TO 8% SLOPES
 H2B - NECHAWARY CHANNELLY SILT LOAM, 0% TO 8% SLOPES
 P1B - PINE BLUFF SILT LOAM, 3% TO 8% SLOPES
 W1B - WATCHDOG SILT LOAM, 3% TO 8% SLOPES

EROSION & SEDIMENT CONTROL PLAN NOTES:

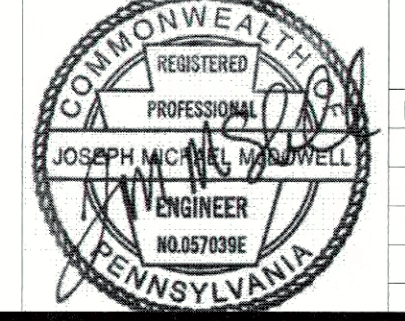
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- THE LIMIT OF DISTURBANCE SHOWN HEREON IS ALSO THE LIMIT OF DISTURBANCE FOR ANY ON-GOING MAINTENANCE AS REQUIRED.



1/ F
L. REEDY
AND
P. REEDY
REEDY
BROTHERS COMPANY
12/3/935

Existing Pond

SHARRAH DESIGN GROUP, INC.
 Land Surveying & Consulting Services
 20 Chambersburg Road
 Gettysburg, Pennsylvania 17325
 Tel: (717) 334-5400 Fax: (717) 334-0922



| REVISIONS | | XREFS |
|-----------|----------|--|
| NO. | DATE | DESCRIPTION |
| 1 | 10/13/17 | AS PER IBA/L PEER AND ACCO REVIEW |
| 2 | 12/18/17 | AS PER PADEP/ACCO 11/30/17 REVIEW LETTER |

CALL BEFORE YOU DIG
 PENNSYLVANIA ACT 287 REQUIRES
 3 WORKING DAYS NOTICE FOR
 CONSTRUCTION PHASE AND 5 WORKING
 DAYS IN DESIGN STAGE - STOP CALL
 Pennsylvania One Call System, Inc.
 1-800-242-1776
 DATE: 08/10/17
 REF # 20172222209

| PLAN PREPARATION | |
|------------------|-------------------|
| DRAWN BY: | DATE: |
| DB/EW | SEPTEMBER 5, 2017 |
| DESIGNED BY: | FILE NO.: |
| RAS/M&M | 1250.6A |
| CHECKED BY: | DRAWING: |
| JM | 1250.6A-ES-17.26 |

E&S CONTROL PLAN - STAGE 2 LOT DEVELOPMENT
GETTYSBURG COMMONS
 A PLANNED COMMUNITY FOR ACTIVE ADULTS
 STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA

SCALE
1" = 50'
SHEET NO.
ES-18-A1

Existing Pond

Compost Filter Soc #5

CCA A1

Compost Filter Soc #2

Wet Pond #1
Bottom El.=536.00
Top of Storage = 544.50

No Disturbance Proposed to Wetland #27 in this Area

Compost Filter Soc #3

Temporary Sediment Basin #2
Bottom El. = 539.00
(Wet Pond #2)

135' WIDE EMERGENCY SPILLWAY
SPILLWAY @ 548.70
TOP OF BERM @ 551.00

Compost Filter Soc #4

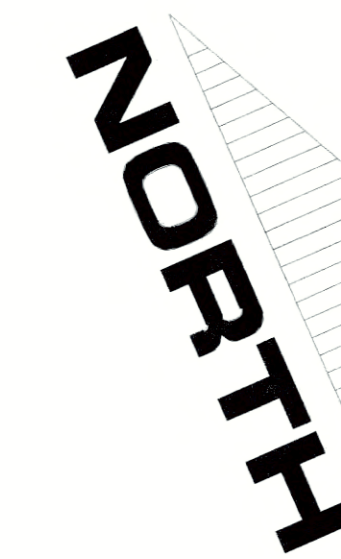
POND AREA #1
5.110± AC.

Existing Pond

Wetland Impact W-10 For Dock Construction. Utilize Cofferdam During Construction Of Dock Piers And Pumped Water Filter Bag.

| | | | | | |
|----|----|----|----|----|----|
| A6 | A5 | A4 | A3 | A2 | A1 |
| B6 | B5 | B4 | B3 | B2 | B1 |
| C6 | C5 | C4 | C3 | C2 | C1 |
| D4 | D3 | D2 | D1 | | |
| E3 | E2 | E1 | | | |
| F2 | F1 | | | | |

SHEET INDEX
NOT TO SCALE



LEGEND

- EXISTING CURB
- PROPOSED CURB
- EXISTING RIGHT-OF-WAY LINE
- LOT LINE
- EXISTING STREAM CENTERLINE
- EXISTING VEGETATION
- EXISTING TREELINE
- PROPOSED TREELINE
- EXISTING MAILBOX
- EXISTING UTILITY POLE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WELL
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER FORCEMAIN
- EXISTING TELEPHONE BOX
- EXISTING GAS LINE
- EXISTING GAS VALVE
- EXISTING STORM MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM INLET
- PROPOSED STORM INLET
- EXISTING STORM HEADWALL / ENDWALL
- PROPOSED STORM HEADWALL / ENDWALL
- PROPOSED STORM STRUCTURE LINED
- EXISTING STORM PIPE
- PROPOSED STORM PIPE
- PROPOSED FINE INLET STRUCTURE
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED SPOT ELEVATION
- NAG 5010 STORM LINING
- NAG P300 STORM LINING
- NAG 75 STORM LINING
- LIMITS OF DISTURBANCE
- HPDES BOUNDARY
- TEMPORARY INLET PROTECTION
- SEDIMENT TRAP DRAINAGE DIVIDE
- SOIL TYPE BOUNDARY LINE
- SOIL TYPE DESIGNATION
- CONSTRUCTION FENCE
- COMPOST FILTER SOC
- FENCE
- PEDESTRIAN TRAIL

SOILS CLASSIFICATIONS

AS PER THE SOIL SURVEY OF ADAMS COUNTY THE FOLLOWING SOILS WERE IDENTIFIED ON THE SUBJECT TRACT:

- A4A - ABBOTTSTOWN SILT LOAM, 0% TO 3% SLOPES
- A4B - ABBOTTSTOWN SILT LOAM, 0% TO 3% SLOPES
- E4A - CROFTON SILT LOAM, 3% TO 8% SLOPES
- H4B - HUNESVILLE CHANNERY SILT LOAM, 3% TO 8% SLOPES
- H4B - HUNESVILLE CHANNERY SILT LOAM, 3% TO 8% SLOPES
- P4B - PENN SILT LOAM, 3% TO 8% SLOPES
- W4B - WATSON SILT LOAM, 3% TO 8% SLOPES

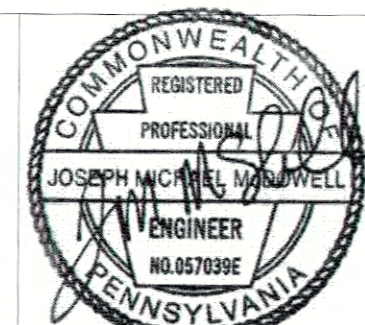
EROSION & SEDIMENT CONTROL PLAN NOTES:

- NO DISTURBANCE BEYOND THE PERIMETER OF EROSION AND SEDIMENT CONTROL BASIN IS ALLOWED. THE DMP IS SHOWN OFFSET FROM THE LIMIT OF DISTURBANCE ON THESE PLANS FOR CLARITY.
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RECEIVED
DEC 2 4 2017
DEP SOUTHCENTRAL REGION
WATERWAYS & WETLANDS

GRAPHIC SCALE IN FEET
1" = 50'

SHARRAH DESIGN GROUP, INC.
Land Surveying & Consulting Services
20 Chambersburg Road
Gettysburg, Pennsylvania 17325
Tel: (717) 334-5400 Fax: (717) 334-0022



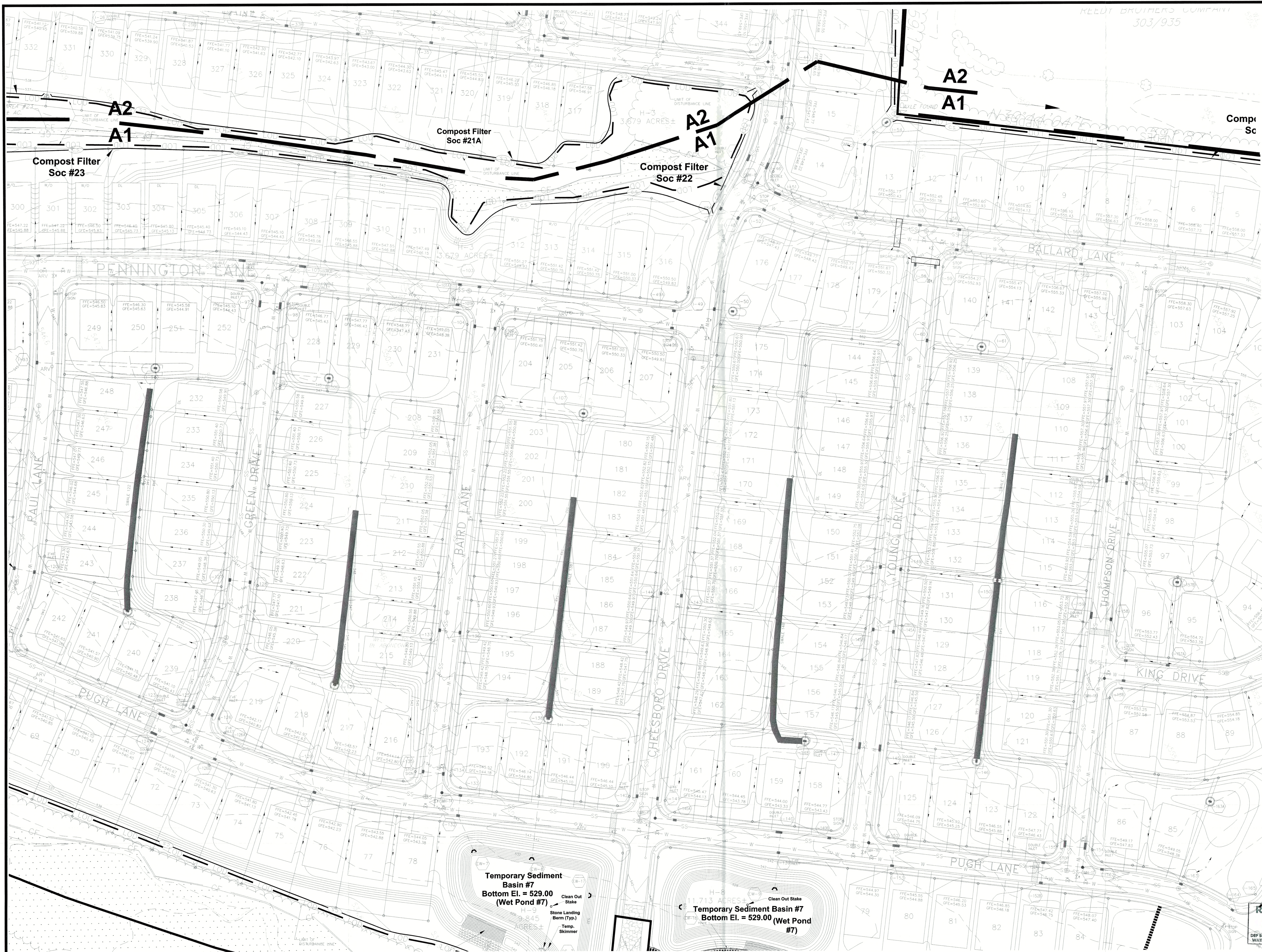
| NO. | DATE | DESCRIPTION | XREFS |
|-----|----------|--|-------|
| 1 | 10/13/17 | AS PER BKL PEER AND ACCD REVIEW | |
| 2 | 12/18/17 | AS PER PADEP/ACCD 11/20/17 REVIEW LETTER | |

CALL BEFORE YOU DIG
PENNSYLVANIA ACT 287 REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 3 WORKING
DAYS IN DESIGN STAGE - STOP CALL
Pennsylvania One Call System, Inc.
1-800-242-1776
DATE: 08/10/17
REF# 2017222769

| PLAN PREPARATION | |
|----------------------|---------------------------|
| DRAWN BY: DB/EW | DATE: SEPTEMBER 5, 2017 |
| DESIGNED BY: RAS/M&M | FILE NO.: 1250.6A |
| CHECKED BY: JM | DRAWING: 1250.6A-ES-17.26 |

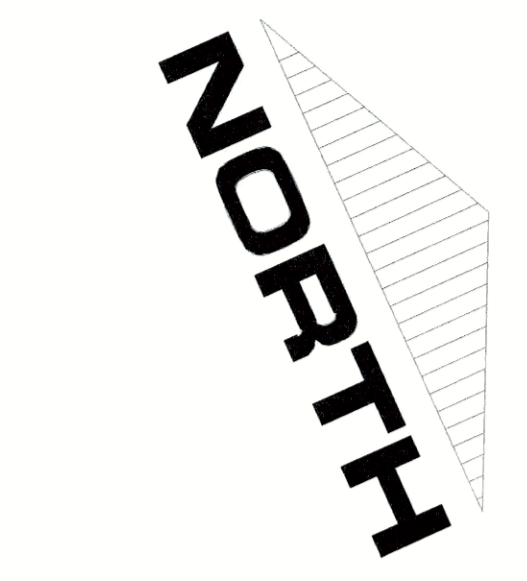
E&S CONTROL PLAN - STAGE 2 LOT DEVELOPMENT
GETTYSBURG COMMONS
A PLANNED COMMUNITY FOR ACTIVE ADULTS
STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA

SCALE
1" = 50'
SHEET NO.
ES-21-B1



| | | | | | |
|----|----|----|----|----|----|
| A6 | A5 | A4 | A3 | A2 | A1 |
| B6 | B5 | B4 | B3 | B2 | B1 |
| C6 | C5 | C4 | C3 | C2 | C1 |
| | D4 | D3 | D2 | D1 | |
| | E3 | E2 | E1 | | |
| | | F2 | F1 | | |

SHEET INDEX



LEGEND

- EXISTING CURB
- PROPOSED CURB
- EXISTING RIGHT-OF-WAY LINE
- LOT LINE
- EXISTING STREAM CENTERLINE
- EXISTING VEGETATION
- DECIDUOUS TREE
- EVERGREEN TREE
- EXISTING TREELINE
- PROPOSED TREELINE
- EXISTING MALBOW
- EXISTING UTILITY POLE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WELL
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER LINE
- EXISTING SANITARY SEWER FOREMAN
- EXISTING TELEPHONE BOX
- EXISTING GAS LINE
- EXISTING GAS VALVE
- EXISTING STORM MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM INLET
- PROPOSED STORM INLET
- EXISTING STORM HEADWALL / ENDWALL
- PROPOSED STORM HEADWALL / ENDWALL
- PROPOSED STORM STRUCTURE LABEL
- PROPOSED STORM PIPE
- PROPOSED STORM PIPE
- PROPOSED PIPE OUTLET STRUCTURE
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED SPOT ELEVATION
- NAG SC150 STORM LINING
- NAG F300 STORM LINING
- NAG 75 STORM LINING
- LIMITS OF DISTURBANCE
- NPOES BOUNDARY
- TEMPORARY INLET PROTECTION
- SEDIMENT TRAP DRAINAGE DRAIN
- SOIL TYPE BOUNDARY LINE
- SOIL TYPE DESIGNATION
- CONSTRUCTION FENCE
- COMPOST FILTER SOC
- FENCE
- PEDESTRIAN TRAIL

SOILS CLASSIFICATIONS

AS PER THE SOIL SURVEY OF ADAMS COUNTY THE FOLLOWING SOILS WERE IDENTIFIED ON THE SUBJECT TRACT:

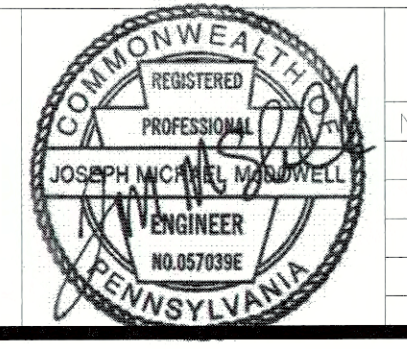
- ABA - ABBOTTSTOWN SILT LOAM, 0% TO 3% SLOPES
- ABW - ABBOTTSTOWN SILT LOAM, 0% TO 3% SLOPES
- CA - CROTON SILT LOAM, 3% TO 8% SLOPES
- CH - CHESTERFIELD CHERRYBLOSSOM SILT LOAM, 3% TO 8% SLOPES
- HAB - HENNINGHAM CHERRYBLOSSOM SILT LOAM, 3% TO 8% SLOPES
- HCB - HENNINGHAM SILT LOAM, 3% TO 8% SLOPES
- WAB - WASHINGTON SILT LOAM, 3% TO 8% SLOPES

EROSION & SEDIMENT CONTROL PLAN NOTES:

- 1) NO DISTURBANCE BEYOND THE PERIMETER OF EROSION AND SEDIMENT CONTROL BMP'S IS ALLOWED. THE BMP IS SHOWN OFFSET FROM THE LIMIT OF DISTURBANCE ON THESE PLANS FOR CLARITY.
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RECEIVED
DEC 26 2017
DWP SOUTH-CENTRAL REGION
WATERWAYS & WETLANDS

SHARRAH DESIGN GROUP, INC.
Land Surveying & Consulting Services
20 Chambersburg Road
Gettysburg, Pennsylvania 17325
Tel: (717) 334-5400 Fax: (717) 334-0922



| REVISIONS | | XREFS |
|-----------|----------|--|
| NO. | DATE | DESCRIPTION |
| 1 | 10/13/17 | AS PER B/L PEER AND ACCD REVIEW |
| 2 | 12/16/17 | AS PER PAPER/ACCD 11/30/17 REVIEW LETTER |

CALL BEFORE YOU DIG
PENNSYLVANIA ACT 287 REQUIRES
WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 5 WORKING
DAYS IN DESIGN STAGE - 700P CAL
PRTY/SURVING One Call System, Inc.
1-800-242-1776
DATE: 08/10/17
REF # 2017222269

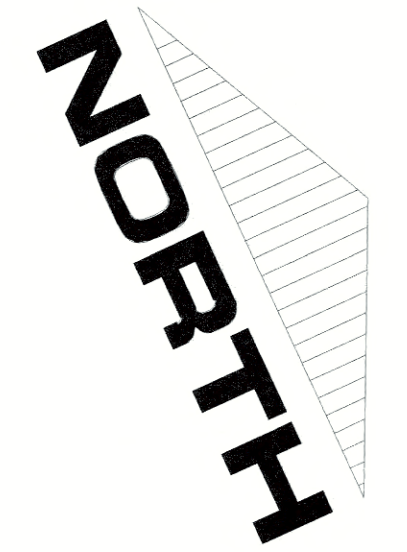
PLAN PREPARATION
DRAWN BY: DB/EW DATE: SEPTEMBER 5, 2017
DESIGNED BY: RAS/MAM FILE NO.: 1250.6A
CHECKED BY: JM DRAWING: 1250.6A-ES-17.26

E&S CONTROL PLAN - STAGE 2 LOT DEVELOPMENT
GETTYSBURG COMMONS
A PLANNED COMMUNITY FOR ACTIVE ADULTS
STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA

SCALE
1" = 50'
SHEET NO.
ES-22-B2

| | | | | | |
|----|----|----|----|----|----|
| A6 | A5 | A4 | A3 | A2 | A1 |
| B6 | B5 | B4 | B3 | B2 | B1 |
| C6 | C5 | C4 | C3 | C2 | C1 |
| | D4 | D3 | D2 | D1 | |
| | E3 | E2 | E1 | | |
| | F2 | F1 | | | |

SHEET INDEX
NOT TO SCALE



LEGEND

- EXISTING CURB
- PROPOSED CURB
- EXISTING RIGHT-OF-WAY LINE
- LOT LINE
- EXISTING STREAM CENTERLINE
- EXISTING VEGETATION
- DECIDUOUS TREE
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- PROPOSED TREELINE
- EXISTING MALEBOX
- EXISTING UTILITY POLE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WELL
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER LINE
- EXISTING SANITARY SEWER FORCEMAIN
- EXISTING TELEPHONE BOX
- EXISTING GAS LINE
- EXISTING GAS VALVE
- EXISTING STORM MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING STORM INLET
- PROPOSED STORM INLET
- EXISTING STORM HEADWALL / ENDWALL
- PROPOSED STORM HEADWALL / ENDWALL
- PROPOSED STORM STRUCTURE LABEL
- INLET ENDWALL / HEADWALL
- STORM FLARED MANHOLE ENDSECTION
- EXISTING STORM PIPE
- PROPOSED STORM PIPE
- PROPOSED PIPE OUTLET STRUCTURE
- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED SPOT ELEVATION
- NAG SC190 STORM LINING
- NAG #300 STORM LINING
- NAG 75 STORM LINING
- LIMITS OF DISTURBANCE
- NPDES BOUNDARY
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- SEDIMENT TRAP DRAINAGE DIVIDE
- SOIL TYPE BOUNDARY LINE
- SOIL TYPE DESIGNATION
- CONSTRUCTION FENCE
- COMPOST FILTER SOG
- FENCE
- PEDESTRIAN TRAIL

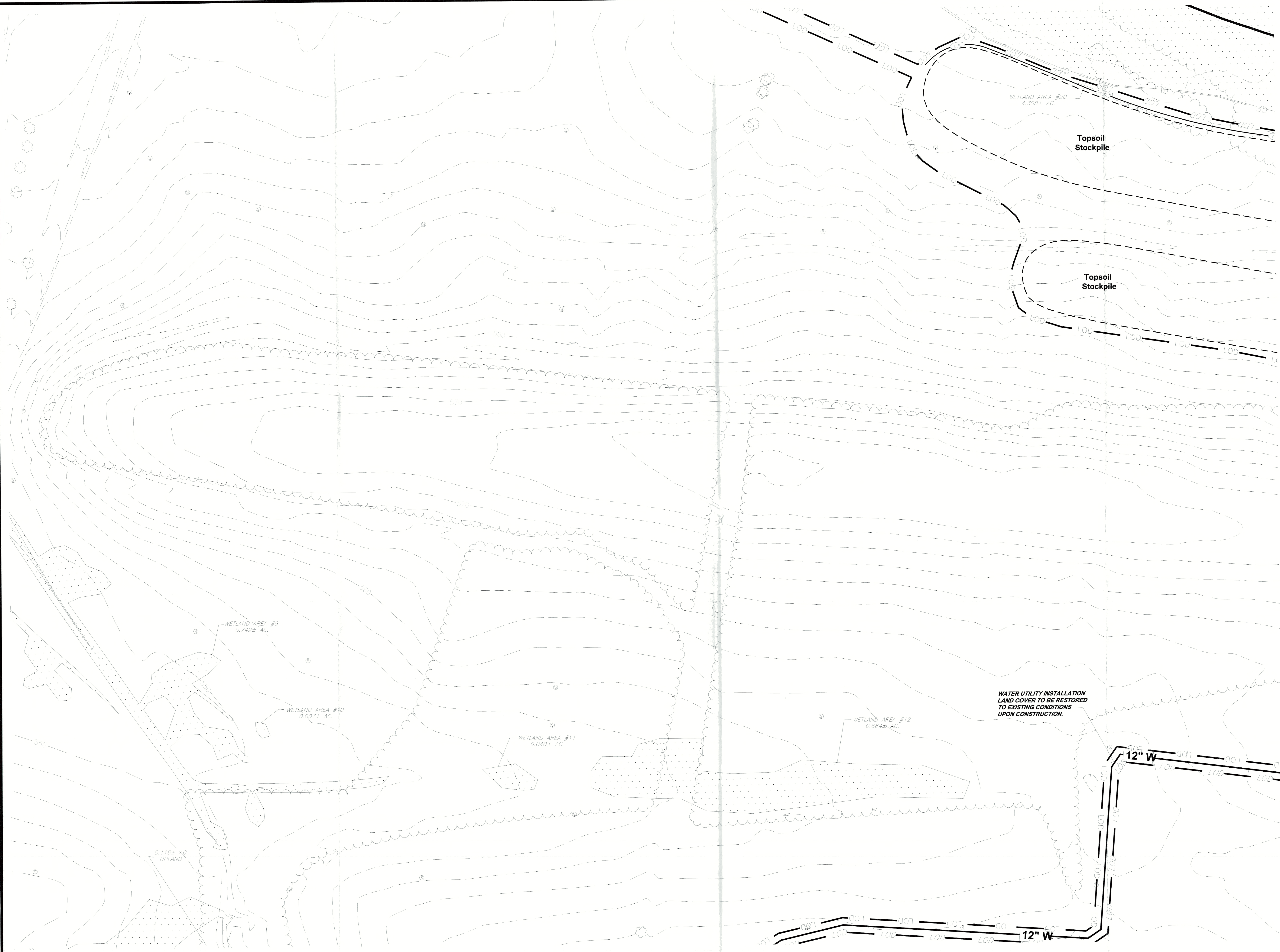
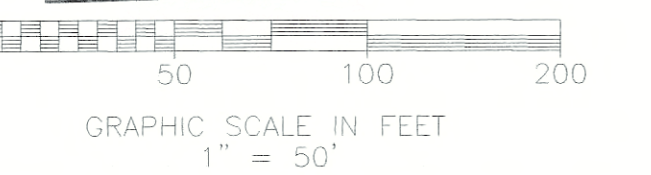
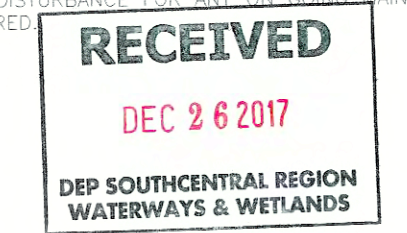
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- CA - CRITON SILT LOAM, 3% TO 8% SLOPES
- KAB - KUNCEVILLE CHANNERY SILT LOAM, 3% TO 8% SLOPES
- KAB - KUNCEVILLE CHANNERY SILT LOAM, 3% TO 8% SLOPES
- PUB - PENN SILT LOAM, 3% TO 8% SLOPES
- WAB - WATKIN SILT LOAM, 3% TO 8% SLOPES

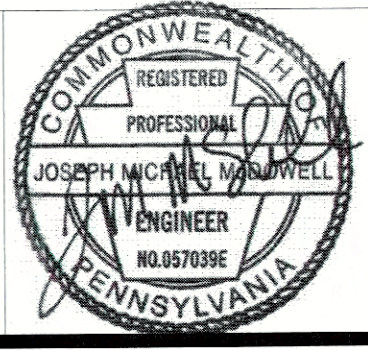
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- 1) NO DISTURBANCE BEYOND THE PERIMETER OF EROSION AND SEDIMENT CONTROL. BMP'S IS ALLOWED, THE BMP IS SHOWN OFFSET FROM THE LIMIT OF DISTURBANCE ON THESE PLANS FOR CLARITY.
- 2) DRAINAGE AREAS AS SHOWN HEREON TO BMP'S PROPOSED SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
- 3) THE LIMIT OF DISTURBANCE SHOWN HEREON IS ALSO THE LIMIT OF DISTURBANCE FOR ANY ON-SITE MAINTENANCE AS REQUIRED.



**WATER UTILITY INSTALLATION
LAND COVER TO BE RESTORED
TO EXISTING CONDITIONS
UPON CONSTRUCTION.**

SHARRAH DESIGN GROUP, INC.
Land Surveying & Consulting Services
20 Chambersburg Road
Gettysburg, Pennsylvania 17325
Tel: (717) 334-5400 Fax: (717) 334-0922



| NO. | DATE | DESCRIPTION | XREFS |
|-----|----------|--|-------|
| 1 | 10/13/17 | AS PER B&L PEER AND ACCD REVIEW | |
| 2 | 12/18/17 | AS PER PADEP/ACCD 11/30/17 REVIEW LETTER | |

CALL BEFORE YOU DIG
PENNSYLVANIA ACT 287 REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 5 WORKING
DAYS IN DESIGN STAGE - STOP CALL
Pennsylvania One Call System, Inc.
1-800-242-1776
DATE: 08/10/17
REF# 2017222269

| PLAN PREPARATION | |
|----------------------|---------------------------|
| DRAWN BY: DB/EW | DATE: SEPTEMBER 5, 2017 |
| DESIGNED BY: RAS/M&M | FILE NO.: 1250.6A |
| CHECKED BY: JM | DRAWING: 1250.6A-ES-17.26 |

E&S CONTROL PLAN - STAGE 2 LOT DEVELOPMENT
GETTYSBURG COMMONS
A PLANNED COMMUNITY FOR ACTIVE ADULTS
STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA

SCALE
1" = 50'
SHEET NO.
ES-26-C3

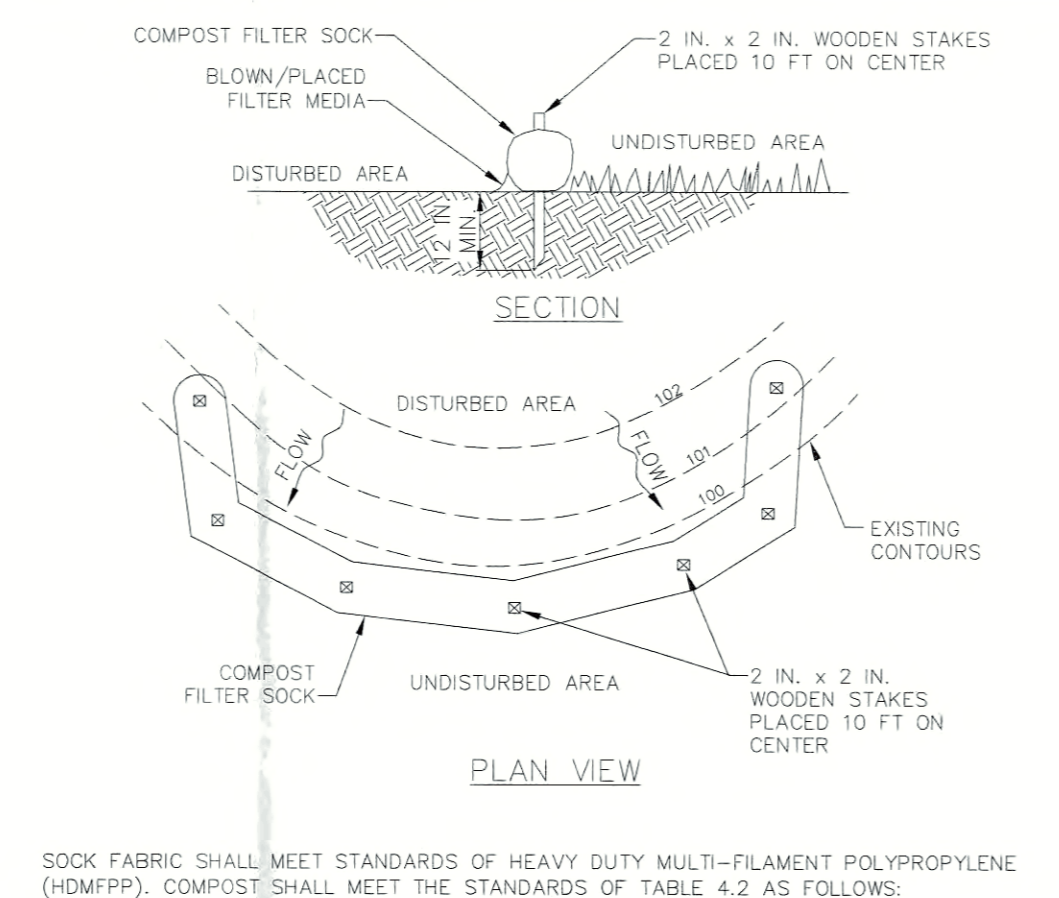
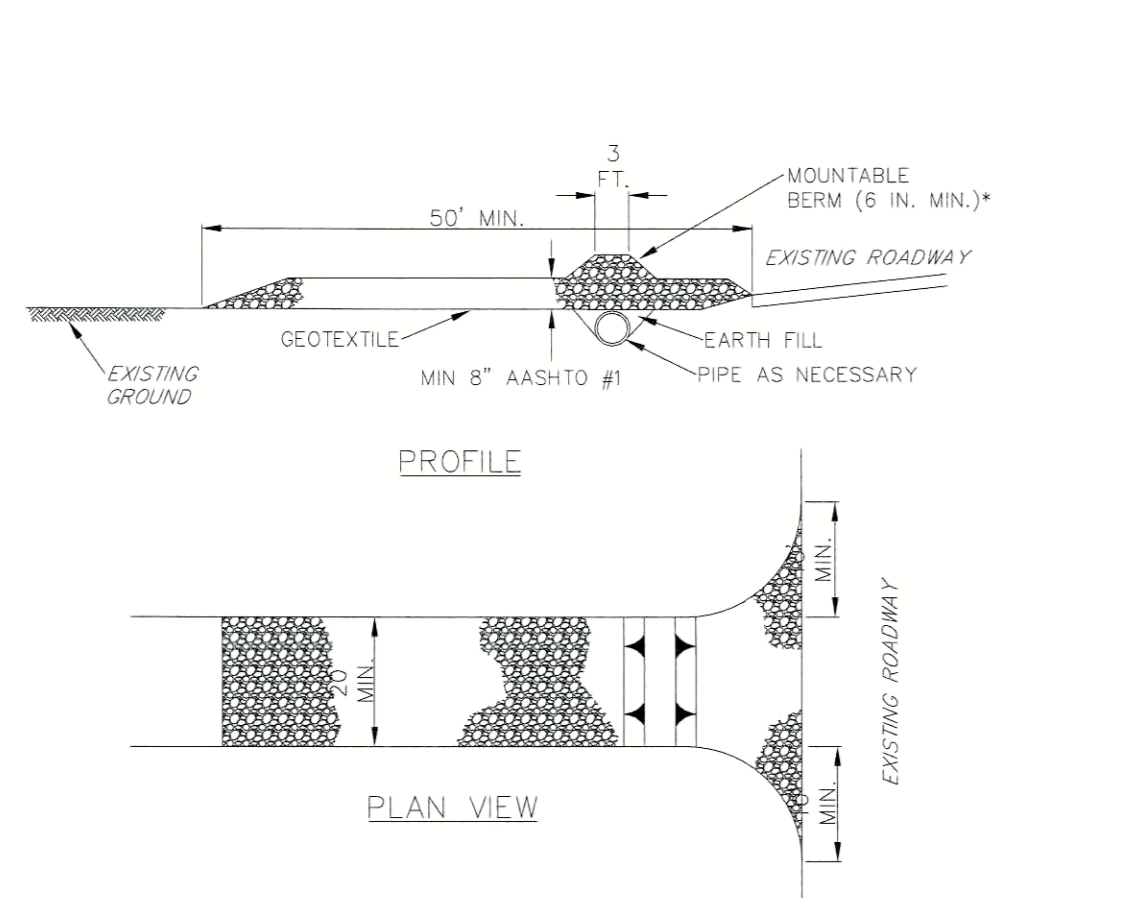
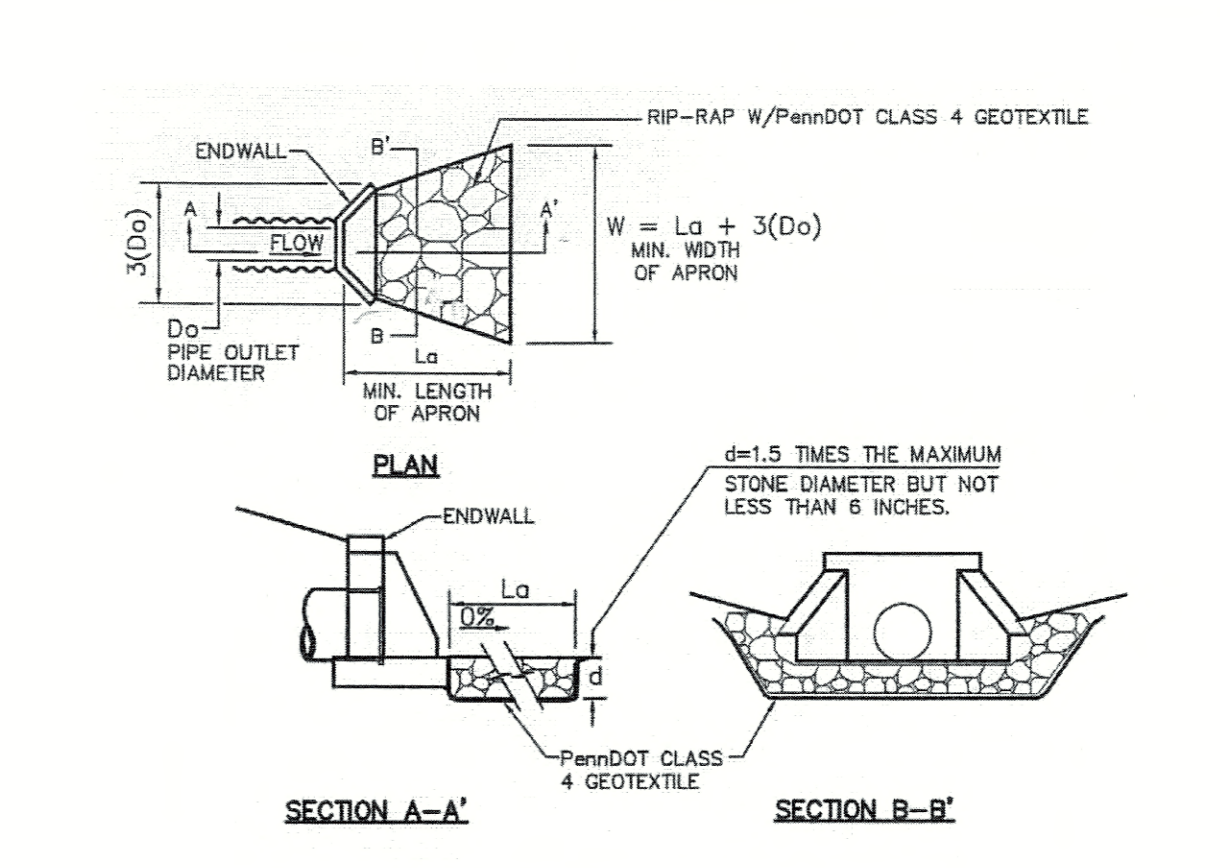
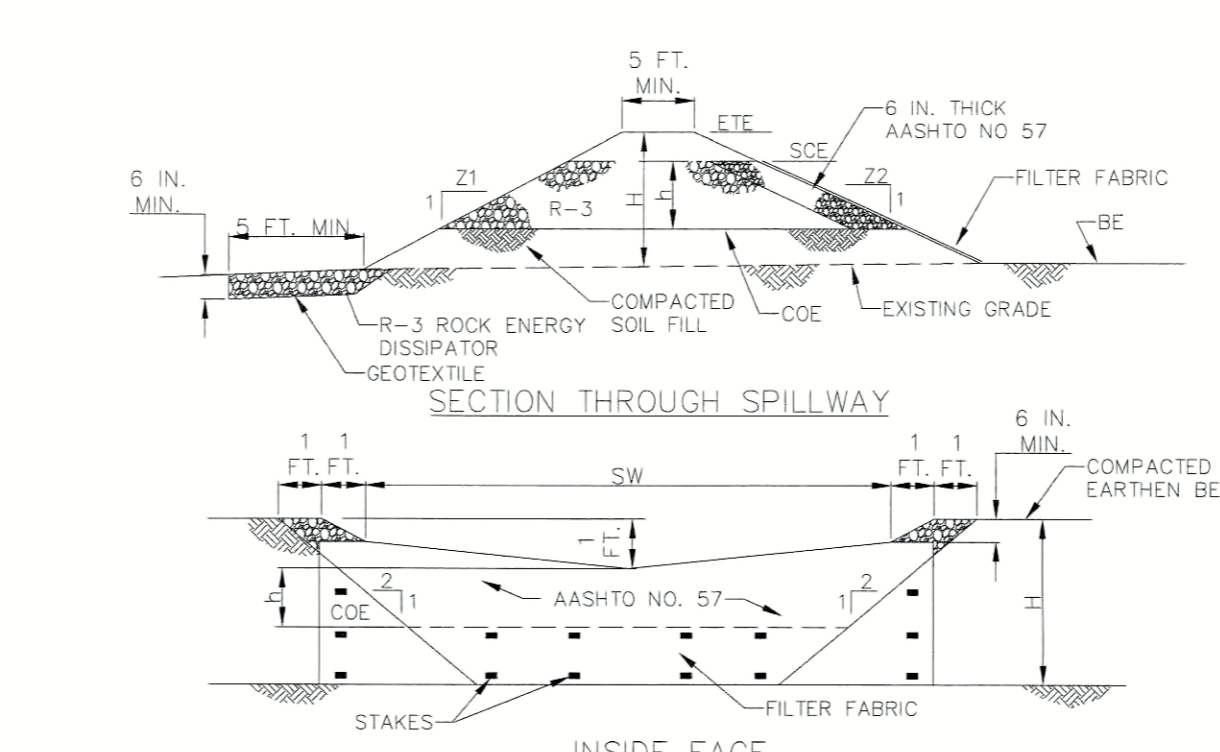


TABLE 3.1 - Maximum Waterbar Spacing

| Percent Slope | Spacing (Ft) |
|---------------|--------------|
| <5 | 250 |
| 5-13 | 150 |
| 15-30 | 100 |
| >30 | 50 |



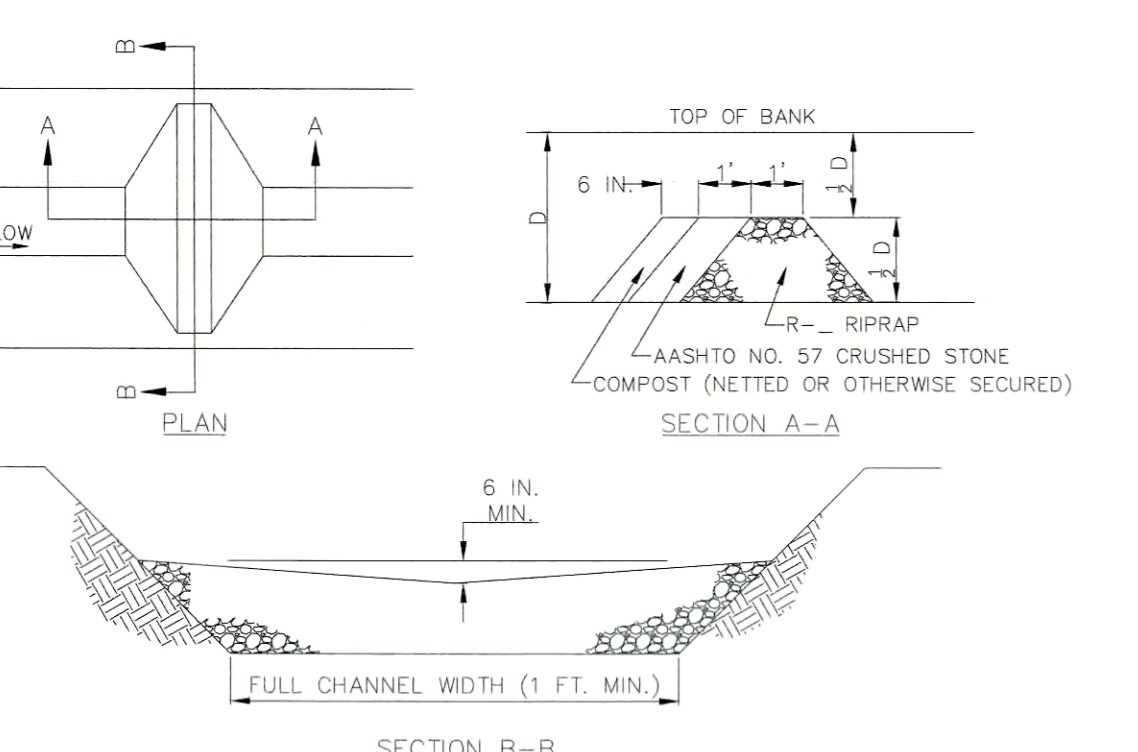
NOTES:
 REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.
 RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
 MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CURBMENT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF TYPICAL OVERFLOW.
 MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. 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 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK, WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

TABLE 4.2 Compost Socks

| ORGANIC MATTER CONTENT | SIZE = 100% (dry weight basis) |
|----------------------------|--------------------------------|
| ORGANIC PORTION | FIBROUS AND ELONGATED |
| MOISTURE CONTENT | 35% - 55% |
| PARTICLE SIZE | 98% PASS THROUGH 1" SCREEN |
| SOLUBLE SALT CONCENTRATION | 5.0 g/50m (30mg/kg) MAXIMUM |

SOCK FABRIC SHALL MEET STANDARDS OF HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (HMPP). COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 AS FOLLOWS:
 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 SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
 SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
 BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS. PHOTOGRAPHERABLE 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 CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

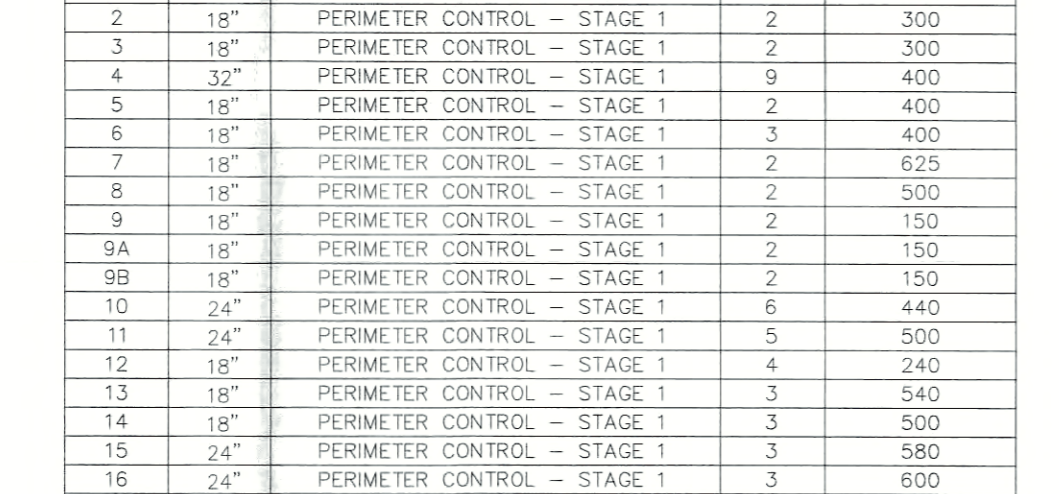
STANDARD CONSTRUCTION DETAIL #3-1 ROCK CONSTRUCTION ENTRANCE
 NOT TO SCALE



COMPOST FILTER SOCK SIZING CHART

| SOCK NO. | DIA. IN. | LOCATION | SLOPE PERCENT | SLOPE LENGTH ABOVE BARRIER (FT) |
|----------|---|--|---------------|---------------------------------|
| 1 | 18" | PERIMETER CONTROL - STAGE 1 | 2 | 300 |
| 2 | 18" | PERIMETER CONTROL - STAGE 2 | 2 | 300 |
| 3 | 18" | PERIMETER CONTROL - STAGE 1 | 2 | 300 |
| 4 | 32" | PERIMETER CONTROL - STAGE 1 | 9 | 400 |
| 5 | 18" | PERIMETER CONTROL - STAGE 1 | 2 | 400 |
| 6 | 18" | PERIMETER CONTROL - STAGE 1 | 3 | 400 |
| 7 | 18" | PERIMETER CONTROL - STAGE 1 | 2 | 625 |
| 8 | 18" | PERIMETER CONTROL - STAGE 1 | 2 | 500 |
| 9 | 18" | PERIMETER CONTROL - STAGE 1 | 2 | 150 |
| 9A | 18" | PERIMETER CONTROL - STAGE 1 | 2 | 150 |
| 10 | 24" | PERIMETER CONTROL - STAGE 1 | 6 | 440 |
| 11 | 24" | PERIMETER CONTROL - STAGE 1 | 5 | 500 |
| 12 | 18" | PERIMETER CONTROL - STAGE 1 | 4 | 240 |
| 13 | 18" | PERIMETER CONTROL - STAGE 1 | 3 | 540 |
| 14 | 18" | PERIMETER CONTROL - STAGE 1 | 3 | 500 |
| 15 | 24" | PERIMETER CONTROL - STAGE 1 | 3 | 580 |
| 16 | 24" | PERIMETER CONTROL - STAGE 1 | 3 | 600 |
| 17 | 32" | PERIMETER CONTROL - STAGE 1 | 7 | 530 |
| 18 | 32" | PERIMETER CONTROL - STAGE 1 | 7 | 440 |
| 19 | 18" | PERIMETER CONTROL - STAGE 1 | 2 | 700 |
| 20 | 18" | PERIMETER CONTROL - STAGE 1 | 3 | 500 |
| 21 | 18" | CENTRALLY LOCATED WETLAND - STAGE 1 | 2 | 500 |
| 21A | 18" | CENTRALLY LOCATED WETLAND - STAGE 1 | 2 | 500 |
| 22 | 18" | CENTRALLY LOCATED WETLAND - STAGE 1 | 2 | 370 |
| 23 | 18" | CENTRALLY LOCATED WETLAND - STAGE 1 | 3 | 530 |
| 24 | 18" | HUNTERSTOWN ROAD ENTRANCE #2 - STAGE 1 | 5 | 120 |
| 25 | 18" | HUNTERSTOWN ROAD ENTRANCE #1 - STAGE 1 | 3 | 50 |
| 26 | 18" | HUNTERSTOWN ROAD ENTRANCE #1 - STAGE 1 | 2 | 100 |
| 27 | 18" | WATER TREATMENT FACILITY - STAGE 1 | 12 | 60 |
| 28 | 18" | WATER TREATMENT FACILITY - STAGE 1 | 21 | 100 |
| 28 | 18" | HUNTERSTOWN ROAD ENTRANCE #1 - STAGE 1 | 2 | 100 |
| 29 | 24" | ALONG WATER MAIN UTILITY - STAGE 1 | 6 | 350 |
| 30 | 18" | ALONG WATER MAIN UTILITY - STAGE 1 | 10 | 100 |
| 31 | 18" | ALONG WATER MAIN UTILITY - STAGE 1 | 10 | 100 |
| ALL 18" | PERIMETER CONTROL, CENTRALLY LOCATED WETLAND PROTECTION, HUNTERSTOWN ROAD, AND WATER TREATMENT FACILITY - STAGE 1 | <= 33% | < 70 FT. | |

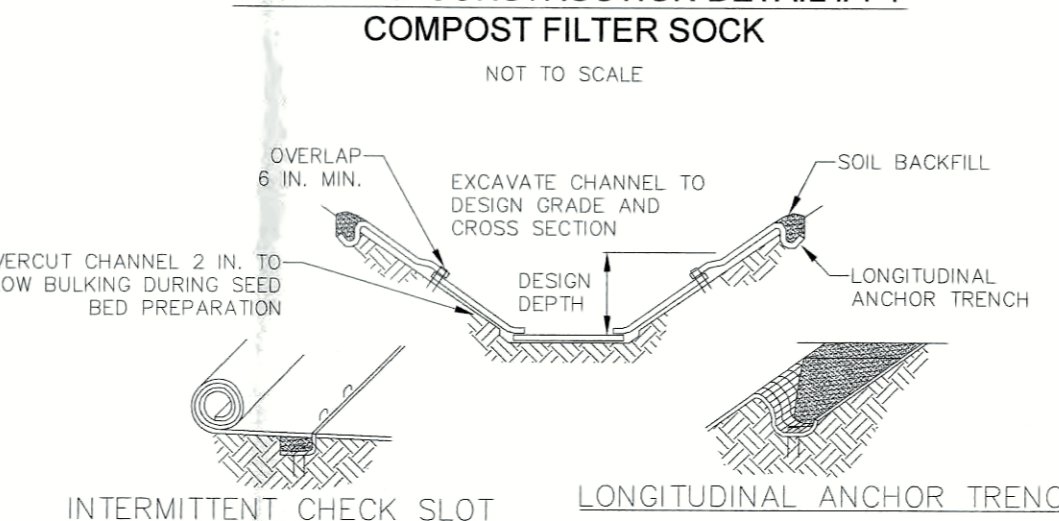
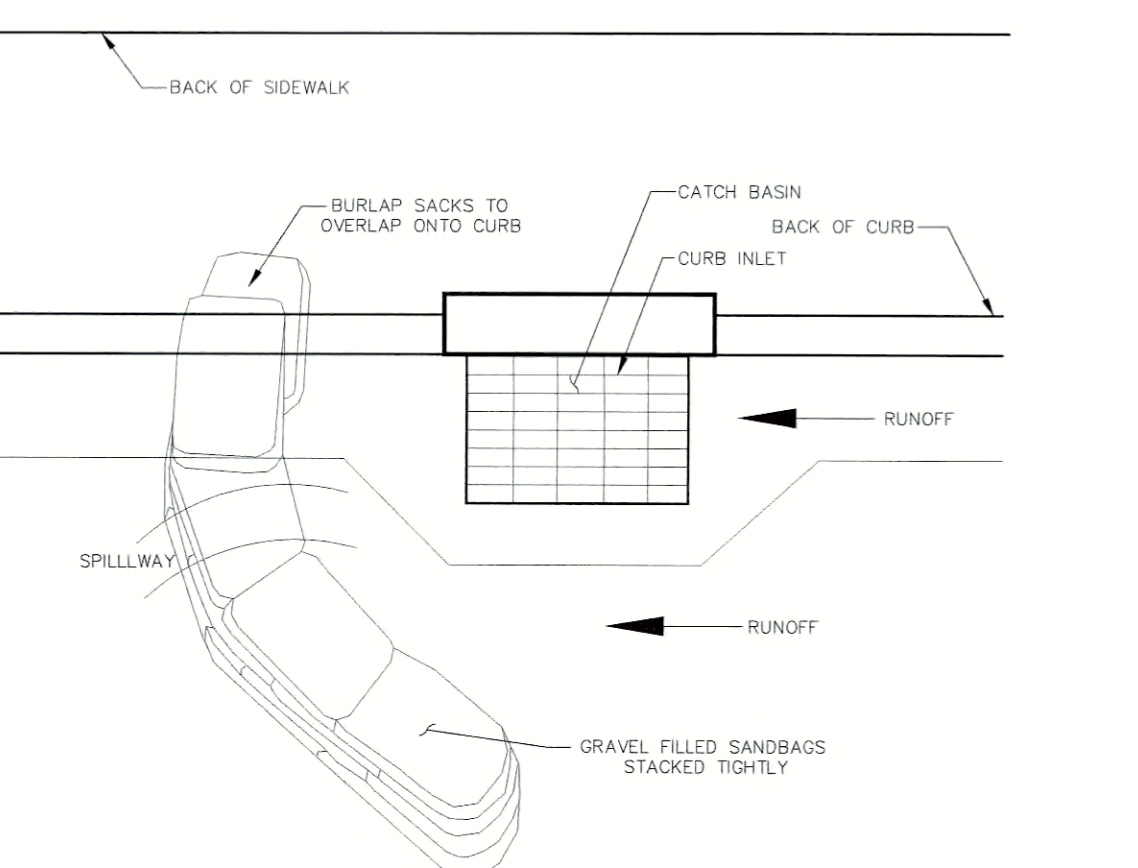
STANDARD CONSTRUCTION DETAIL #4-1 COMPOST FILTER SOCK
 NOT TO SCALE



CHANNEL CROSS-SECTION

| CHANNEL NO. | STATIONS | BOTTOM WIDTH (FT) | DEPTH (FT) | TOP WIDTH (FT) | Z1 (FT) | Z2 (FT) | LINING |
|-------------|----------|-------------------|------------|----------------|---------|---------|-----------|
| A | ALL | 5 | 2.00 | 17 | 3 | 3 | NAG SC150 |
| B | ALL | 5 | 2.00 | 17 | 3 | 3 | NAG SC150 |
| C | ALL | 5 | 2.25 | 18.50 | 3 | 3 | NAG SC150 |
| D | ALL | 5 | 2.00 | 17 | 3 | 3 | NAG SC150 |
| 24 | ALL | 5 | 1.25 | 3.0 | 10 | 10 | NAG S75 |
| 33 | ALL | 5 | 1.25 | 3.0 | 10 | 10 | NAG S75 |
| 122 | ALL | 4 | 1.25 | 14 | 4 | 4 | NAG S75 |
| 138 | ALL | 5 | 1.25 | 3.0 | 10 | 10 | NAG S75 |
| 148 | ALL | 5 | 1.25 | 3.0 | 10 | 10 | NAG S75 |
| 150 | ALL | 5 | 1.25 | 3.0 | 10 | 10 | NAG S75 |
| 54 | ALL | 5 | 1.25 | 2.0 | 5 | 5 | NAG S75 |
| #1 | ALL | 8 | 1.50 | 2.5 | 5 | 5 | NAG S75 |

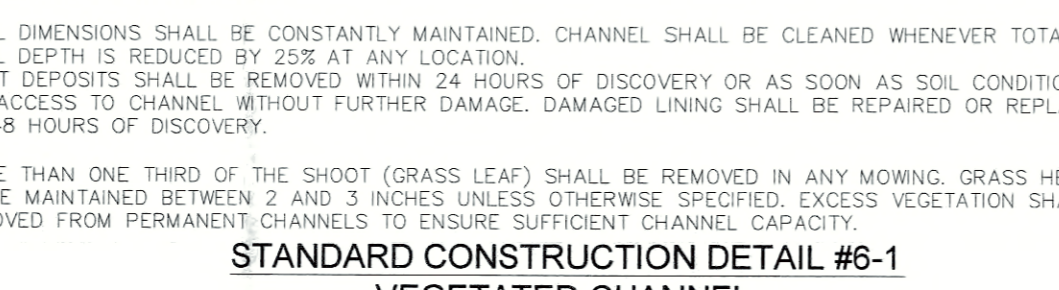
STANDARD CONSTRUCTION DETAIL #4-14 ROCK FILTER
 NOT TO SCALE



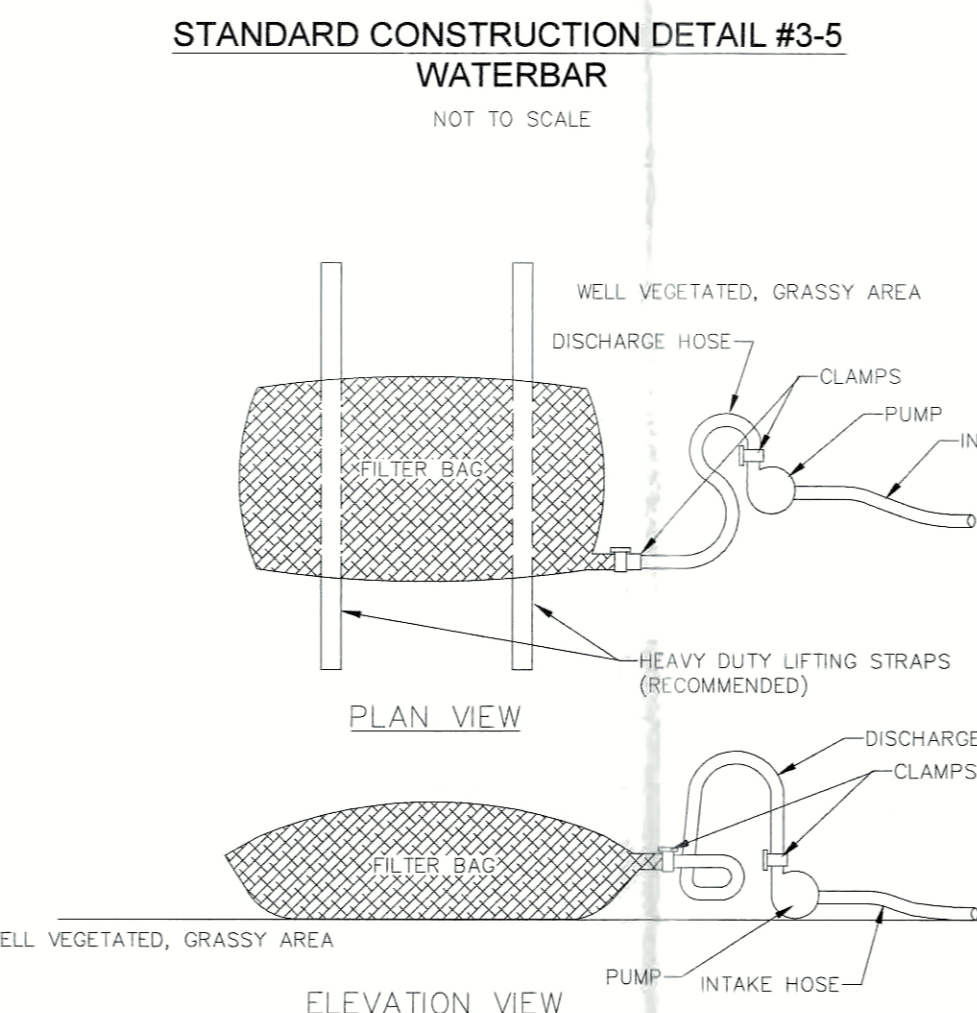
CHANNEL CROSS-SECTION

| CHANNEL NO. | STATIONS | BOTTOM WIDTH (FT) | DEPTH (FT) | TOP WIDTH (FT) | Z1 (FT) | Z2 (FT) | LINING |
|-------------|----------|-------------------|------------|----------------|---------|---------|-----------|
| A | ALL | 5 | 2.00 | 17 | 3 | 3 | NAG SC150 |
| B | ALL | 5 | 2.00 | 17 | 3 | 3 | NAG SC150 |
| C | ALL | 5 | 2.25 | 18.50 | 3 | 3 | NAG SC150 |
| D | ALL | 5 | 2.00 | 17 | 3 | 3 | NAG SC150 |
| 24 | ALL | 5 | 1.25 | 3.0 | 10 | 10 | NAG S75 |
| 33 | ALL | 5 | 1.25 | 3.0 | 10 | 10 | NAG S75 |
| 122 | ALL | 4 | 1.25 | 14 | 4 | 4 | NAG S75 |
| 138 | ALL | 5 | 1.25 | 3.0 | 10 | 10 | NAG S75 |
| 148 | ALL | 5 | 1.25 | 3.0 | 10 | 10 | NAG S75 |
| 150 | ALL | 5 | 1.25 | 3.0 | 10 | 10 | NAG S75 |
| 54 | ALL | 5 | 1.25 | 2.0 | 5 | 5 | NAG S75 |
| #1 | ALL | 8 | 1.50 | 2.5 | 5 | 5 | NAG S75 |

NOTES:
 1. ALL MATERIAL TO MEET FILTER REQUIREMENTS.
 2. FILTERSOCK COMPOST/FIBROUS/FILL TO MEET APPLICATION REQUIREMENTS.
 3. COMPOST MATERIAL TO BE DISPOSED ON SITE, AS DETERMINED BY ENGINEER.
 CHANNEL DIMENSIONS SHALL BE CONSTANTLY MAINTAINED. CHANNEL SHALL BE CLEANED WHENEVER TOTAL CHANNEL DEPTH IS REDUCED BY 25% AT ANY LOCATION.
 SEDIMENT DEPOSITS SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY OR AS SOON AS SOIL CONDITIONS PERMIT ACCESS TO CHANNEL WITHOUT FURTHER DAMAGE. DAMAGED LINING SHALL BE REPAIRED OR REPLACED WITHIN 48 HOURS OF DISCOVERY.
 NO MORE THAN ONE THIRD OF THE SHOOT (GRASS LEAF) SHALL BE REMOVED IN ANY MOWING. GRASS HEIGHT SHALL BE MAINTAINED BETWEEN 2 AND 3 INCHES UNLESS MANIPULATED SPECIFICALLY. EXCESS VEGETATION SHALL BE REMOVED FROM PERMANENT CHANNELS TO ENSURE SUFFICIENT CHANNEL CAPACITY.



STANDARD CONSTRUCTION DETAIL #3-5 WATERBAR
 NOT TO SCALE

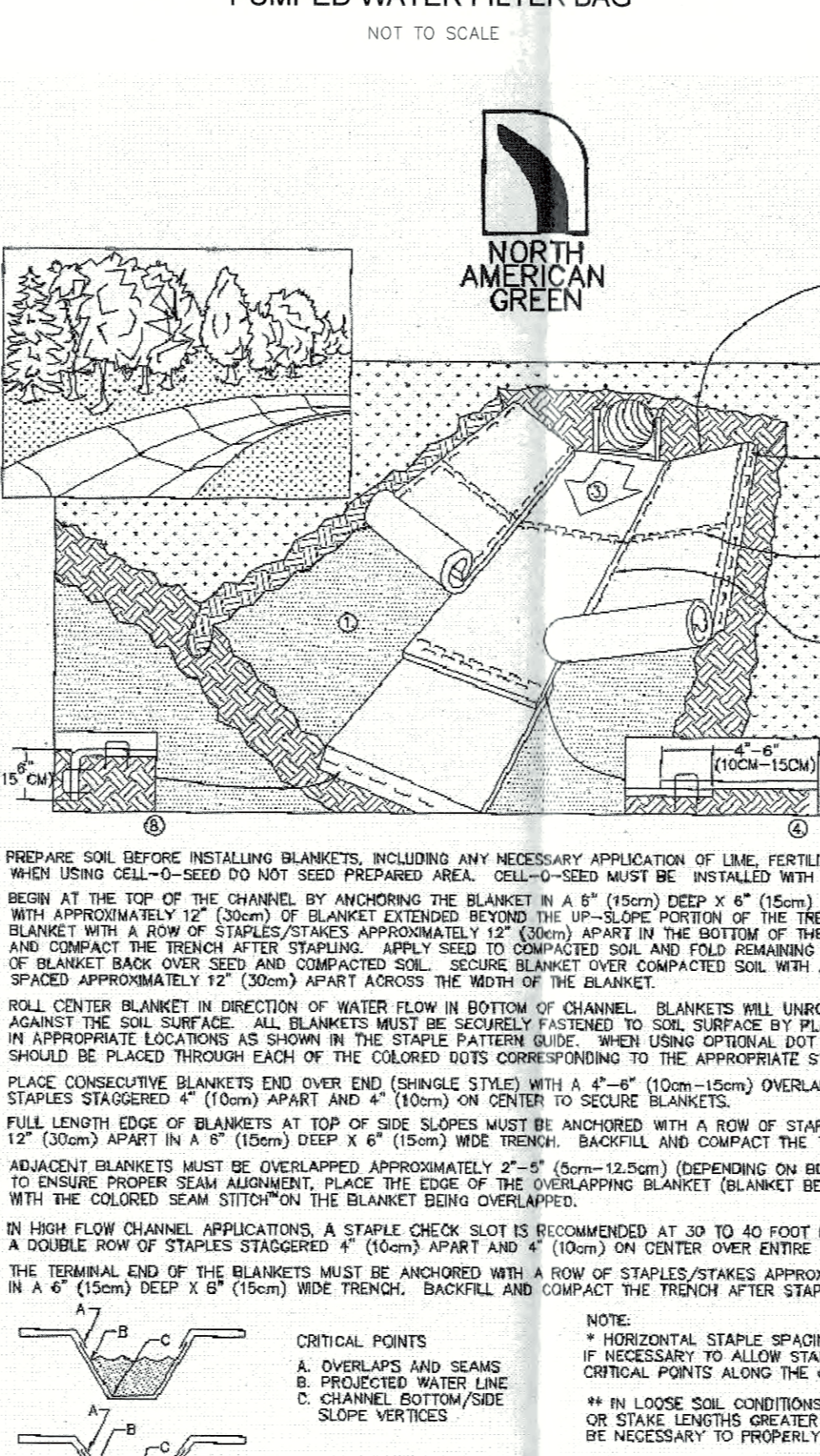


NOTES:
 LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED 7/16 TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE THAT MEET FOLLOWING STANDARDS:

| PROPERTY | TEST METHOD | MINIMUM STANDARD |
|--------------------------|-------------|------------------------|
| AVG. WIDE WIDTH STRENGTH | ASTM D-4884 | 60 LB/IN. |
| GRAB TENSILE | ASTM D-4632 | 205 LB |
| PUNCTURE | ASTM D-4853 | T10 LB |
| MULLIN BURST | ASTM D-3788 | 350 PSI |
| UV RESISTANCE | ASTM D-4355 | 70% A55 IS RETAINED |
| ASS. IS RETAINED | ASTM D-4751 | 80 SEIVE |

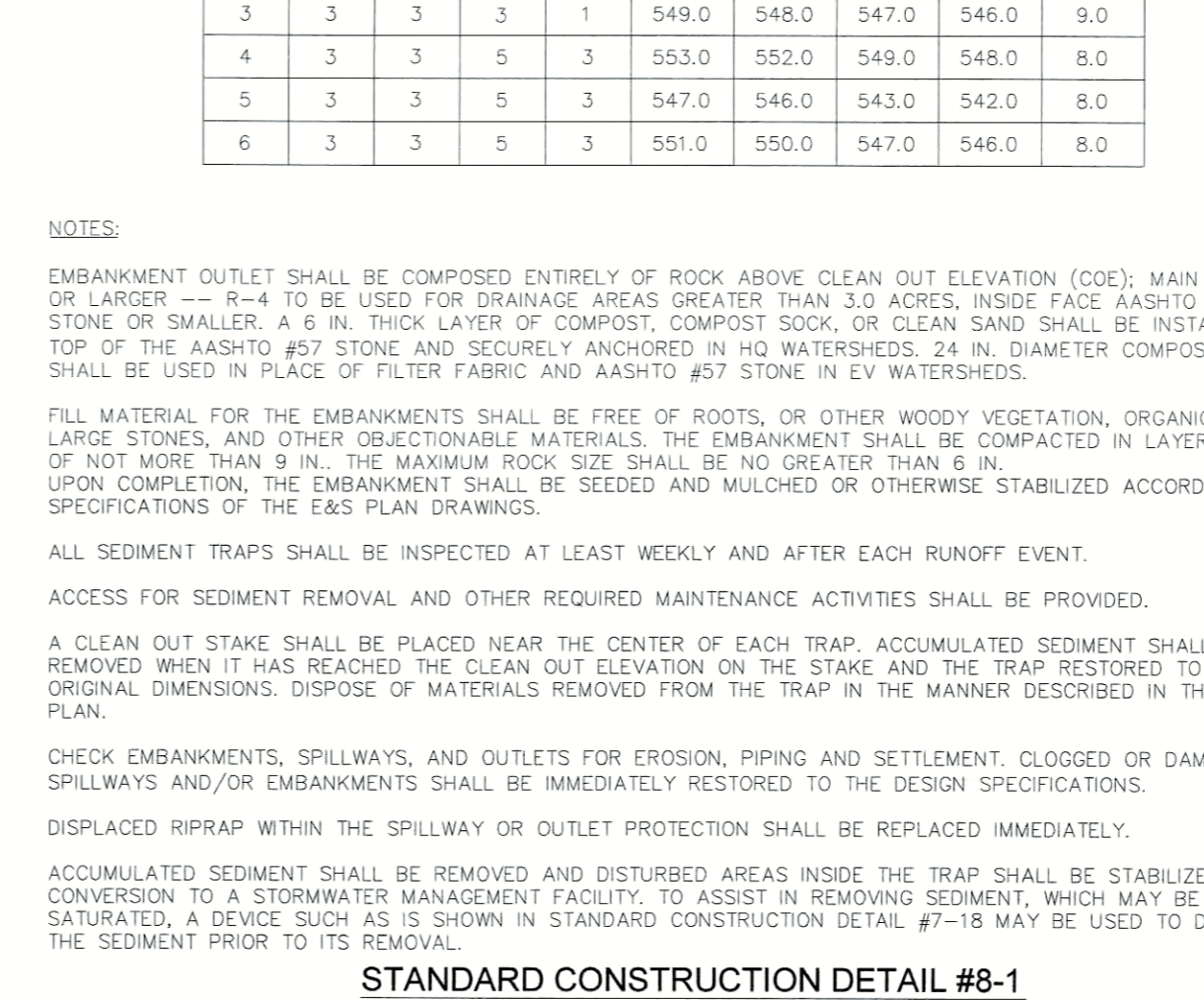
A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL. UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.
 BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5% FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-PULLING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.
 NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HO OR URBAN WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE.
 THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.
 THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLAT AND SCREENED.
 FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

STANDARD CONSTRUCTION DETAIL #3-16 PUMPED WATER FILTER BAG
 NOT TO SCALE

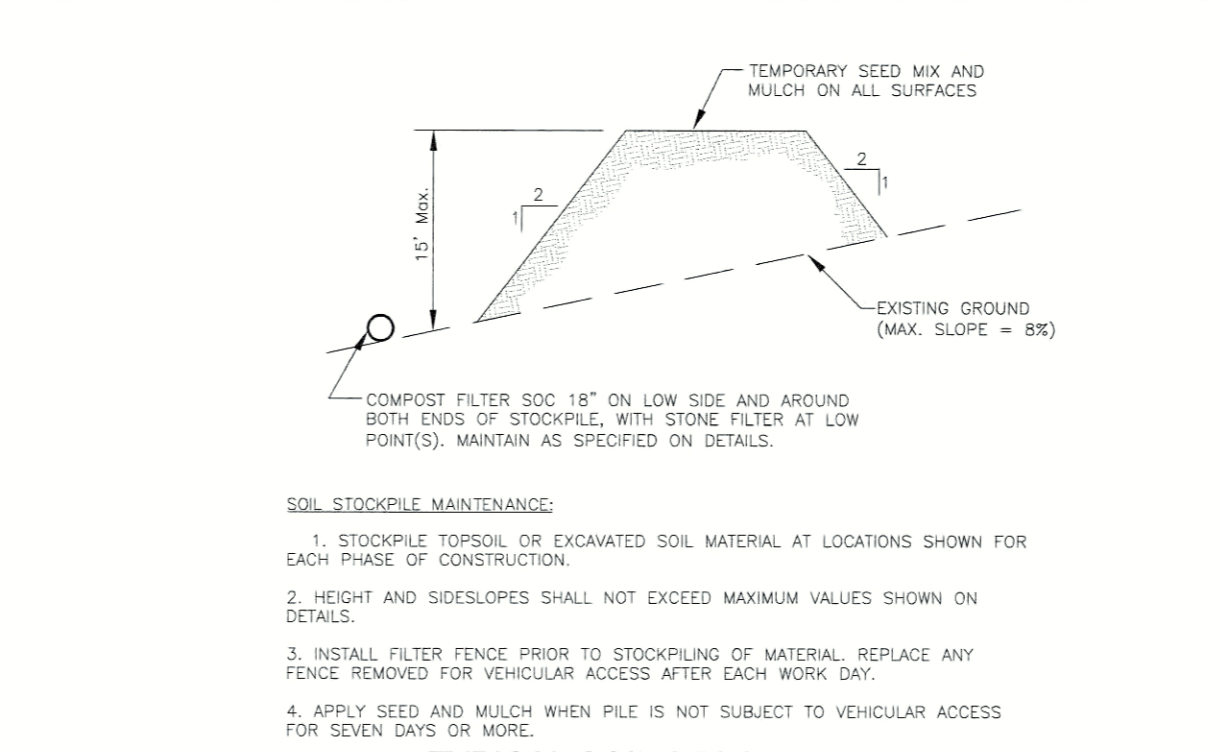


CHANNEL INSTALLATION
 NOT TO SCALE

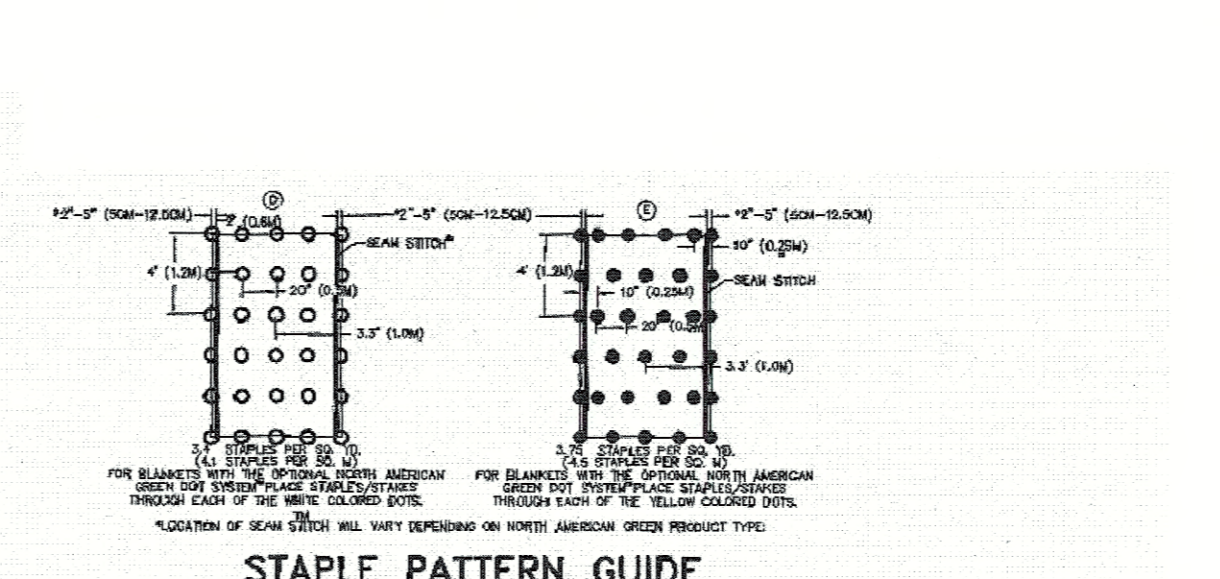
STANDARD CONSTRUCTION DETAIL #7-18 EMBANKMENT SEDIMENT TRAP
 NOT TO SCALE



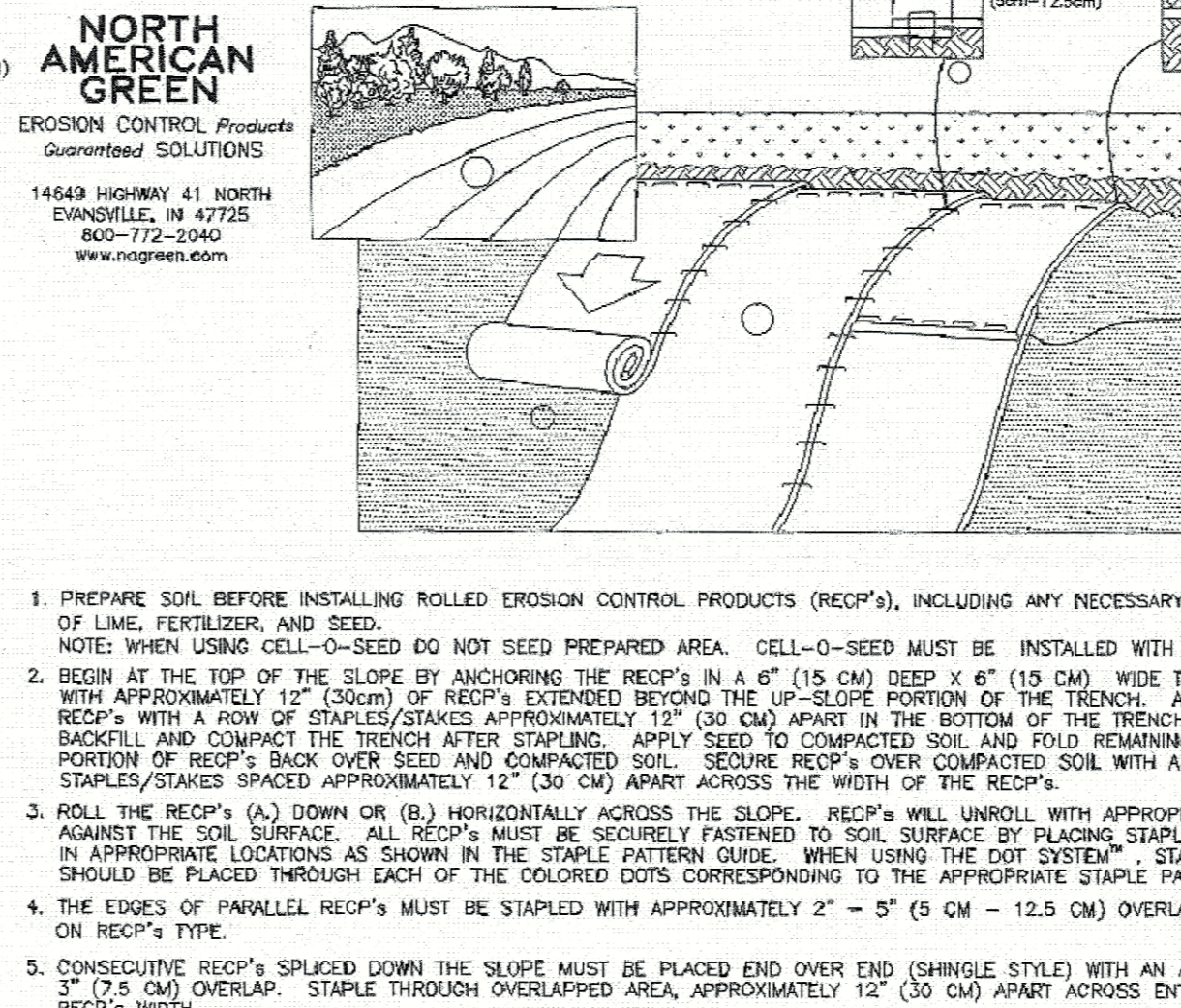
STANDARD CONSTRUCTION DETAIL #7-18 EMBANKMENT SEDIMENT TRAP
 NOT TO SCALE



TYPICAL SOIL STOCKPILE
 NOT TO SCALE

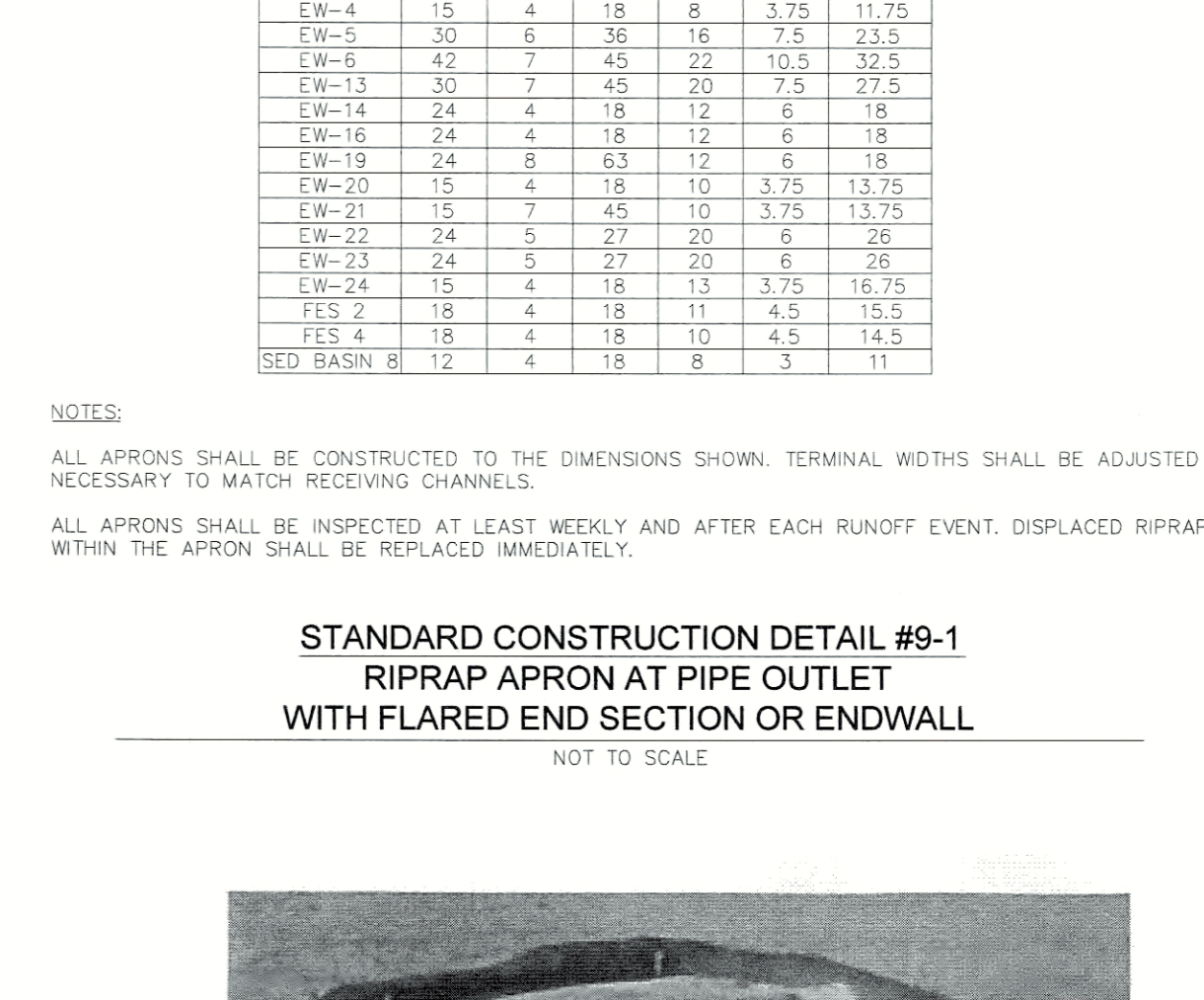


STAPLE PATTERN GUIDE
 NOT TO SCALE



SLOPE INSTALLATION
 NOT TO SCALE

STANDARD CONSTRUCTION DETAIL #9-1 RIPRAP APRON AT PIPE OUTLET WITH FLARED END SECTION OR ENDWALL
 NOT TO SCALE



STANDARD CONSTRUCTION DETAIL #9-1 RIPRAP APRON AT PIPE OUTLET WITH FLARED END SECTION OR ENDWALL
 NOT TO SCALE

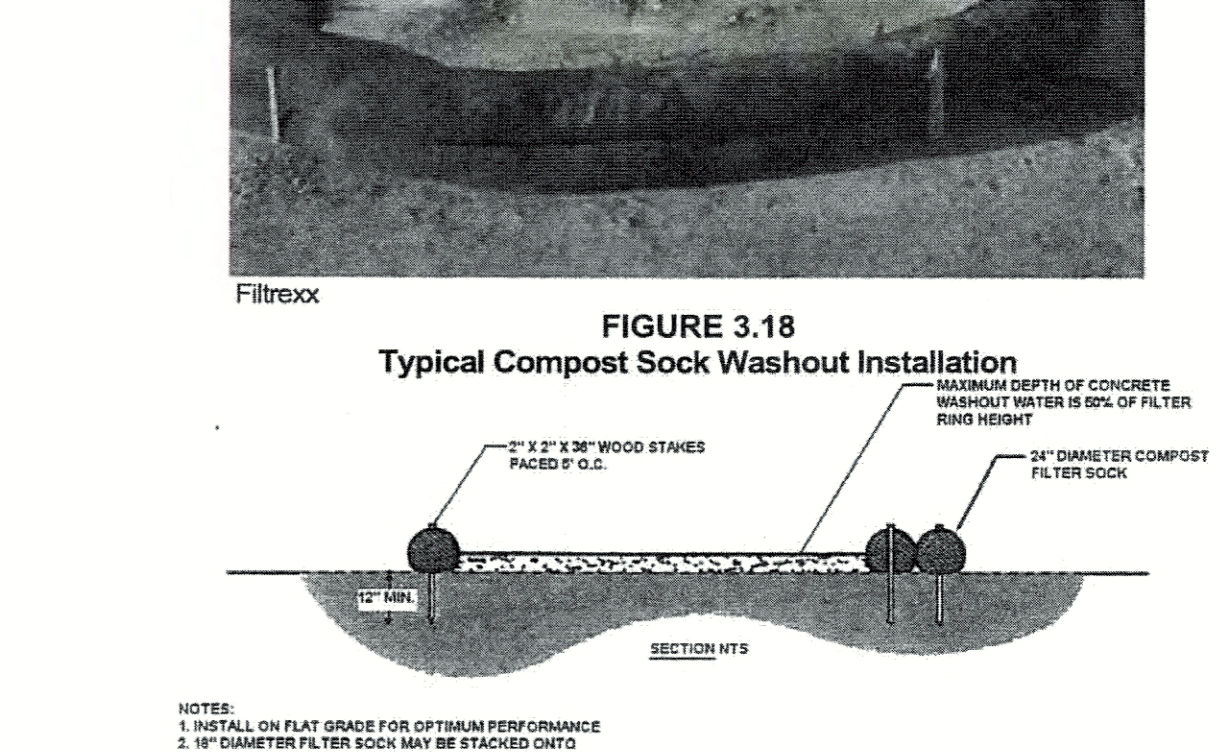
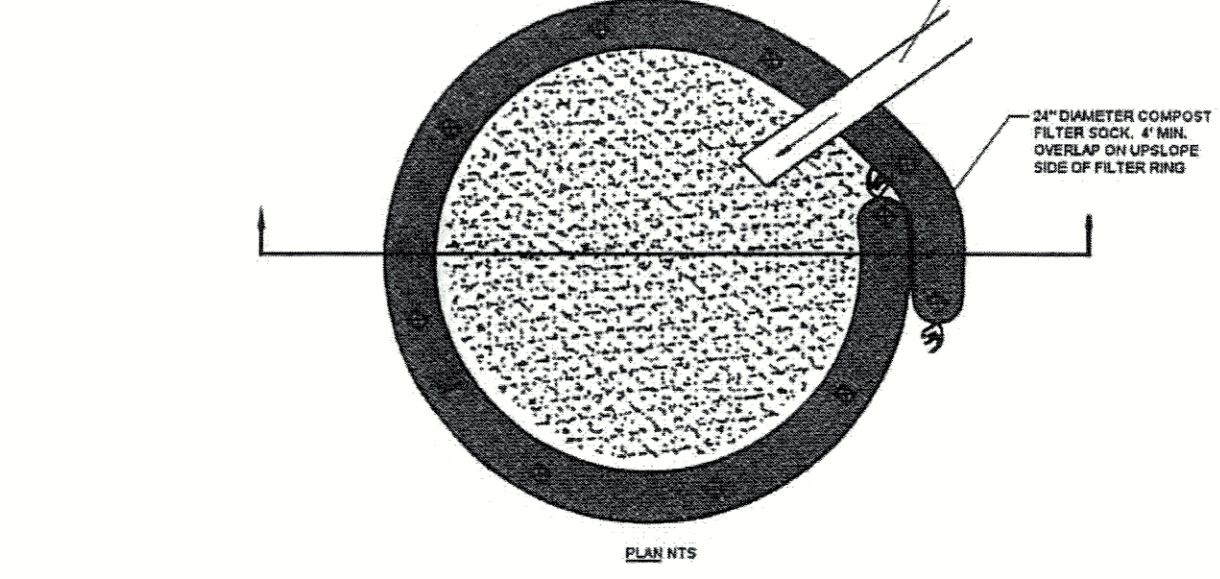


FIGURE 3.18 Typical Compost Sock Washout Installation



TYPICAL SOIL STOCKPILE
 NOT TO SCALE

A suitable impervious geomembrane shall be placed at the location of the washout prior to installing the socks.
 Adapted from Filtrex

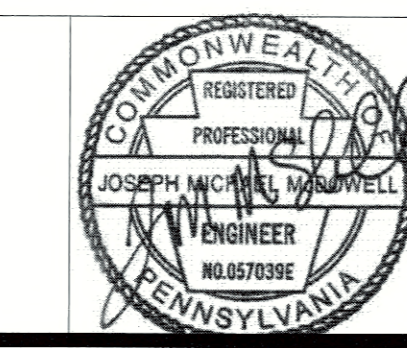
363-2134-008 / March 31, 2012 / Page 58

Riprap Gradation, Filter Blanket Requirements, Maximum Velocities

| Class, Size No. Rock Size (Inches) | Percent Passing (Square Openings) | | | | | |
|-------------------------------------|-----------------------------------|-----------|-----------|-----------|-----------|------------|
| | R-8 | R-7 | R-6 | R-5 | R-4 | R-3 |
| 42 | 100 | | | | | |
| 30 | | 100 | | | | |
| 24 | | 15-50 | 100 | | | |
| 18 | | | 100 | | | |
| 15 | | 0-15 | 15-50 | 100 | | |
| 12 | | | 0-15 | 15-50 | 100 | |
| 9 | | | | 15-50 | 100 | |
| 6 | | | | 0-15 | 15-50 | 100 |
| 4 | | | | | 0-15 | 15-50 |
| 3 | | | | | 0-15 | 15-50 |
| 2 | | | | | | 0-15 |
| Normal Placement Thickness (Inches) | 63 | 45 | 36 | 27 | 18 | 9 |
| Filter Stone Vmax (ft/sec) | AASHTO #1 | AASHTO #1 | AASHTO #1 | AASHTO #3 | AASHTO #3 | AASHTO #57 |
| | 17.0 | 14.5 | 13.0 | 11.5 | 9.0 | |

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 DEC 26 2017
 DEP SOUTHWESTERN REGION WATERWAYS & WETLANDS

SHARRAH DESIGN GROUP, INC.
 Land Surveying & Consulting Services
 20 Chambersburg Road
 Gettysburg, Pennsylvania 17325
 Tel: (717) 334-5400 Fax: (717) 334-0922



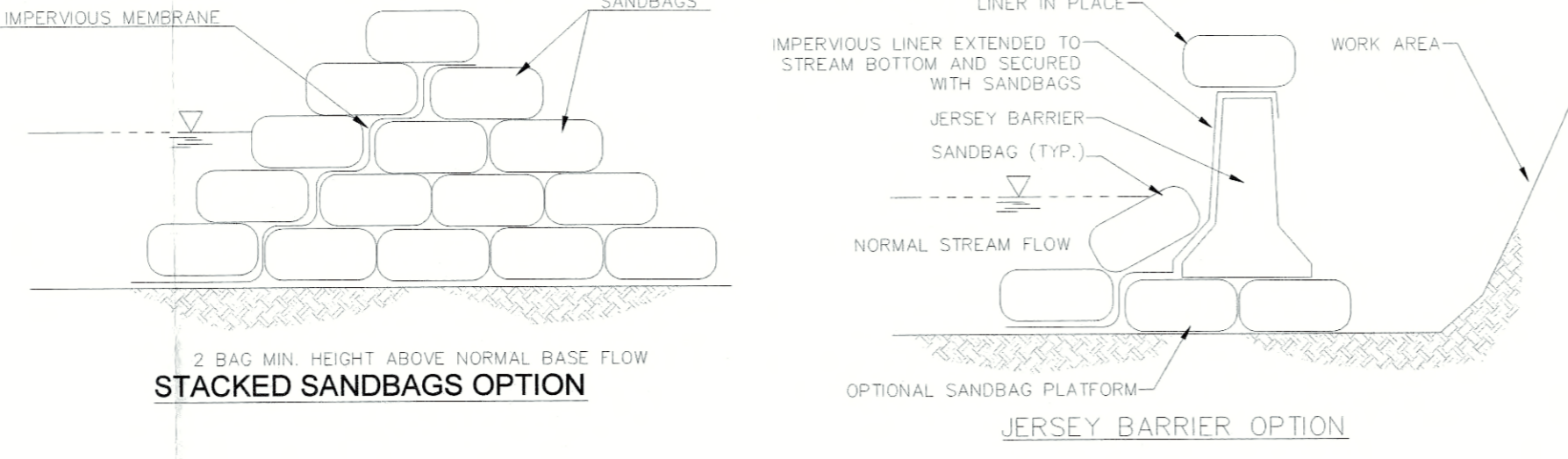
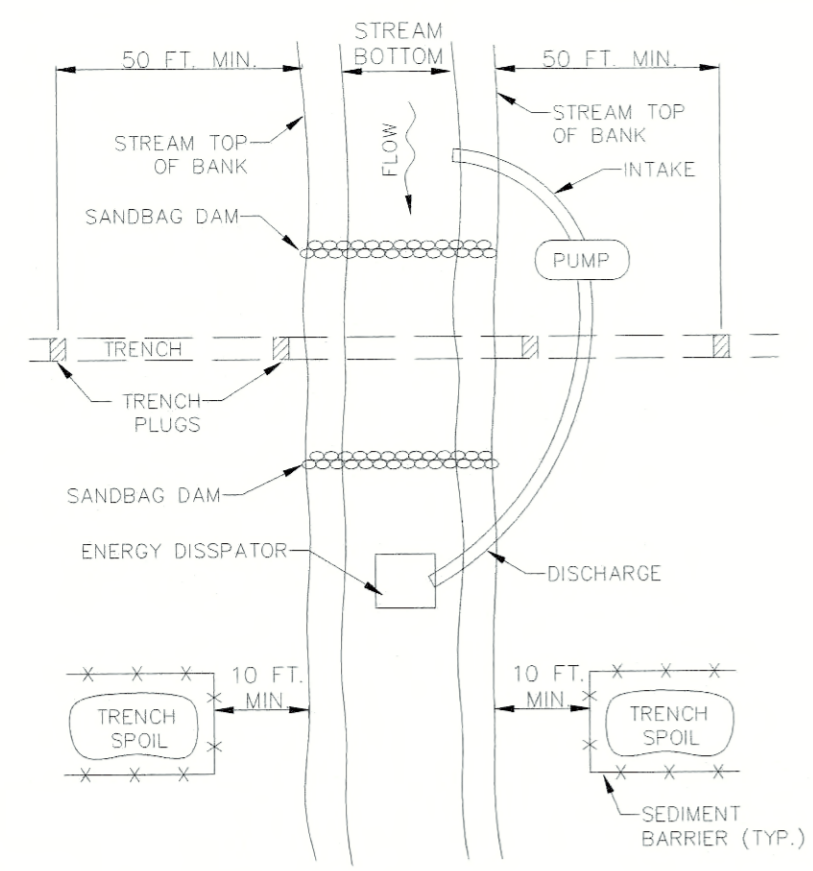
REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|----------|---|
| 1 | 10/19/17 | AS PER BAL PEER AND ACCO REVIEW |
| 2 | 12/18/17 | AS PER PADEP/ACCQD.11/30/17 REVIEW LETTER |

XREFS
 CALL BEFORE YOU DIG
 PENNSYLVANIA ACT 287 REQUIRES
 15 WORKING DAYS ADVANCE NOTICE
 CONSTRUCTION PHASE AND 5 WORKING
 DAYS ADVANCE NOTICE FOR UTILITY
 PENNSYLVANIA ONE CALL SYSTEM, INC.
 1-800-242-1776
 DATE: 08/10/17
 REF# 2017222269

PLAN PREPARATION
 DRAWN BY: DB/EW
 DESIGNED BY: RAS/M&M
 CHECKED BY: JM
 DATE: SEPTEMBER 5, 2017
 FILE NO.: 1250.6A
 DRAWING: 1250.6A-ES-28

SECTION A EROSION CONTROL DETAILS
GETTYSBURG COMMONS
 A PLANNED COMMUNITY FOR ACTIVE ADULTS
 STRABAN TOWNSHIP, ADAMS COUNTY, PENNSYLVANIA
 SCALE: NO SCALE
 SHEET NO. ES-28

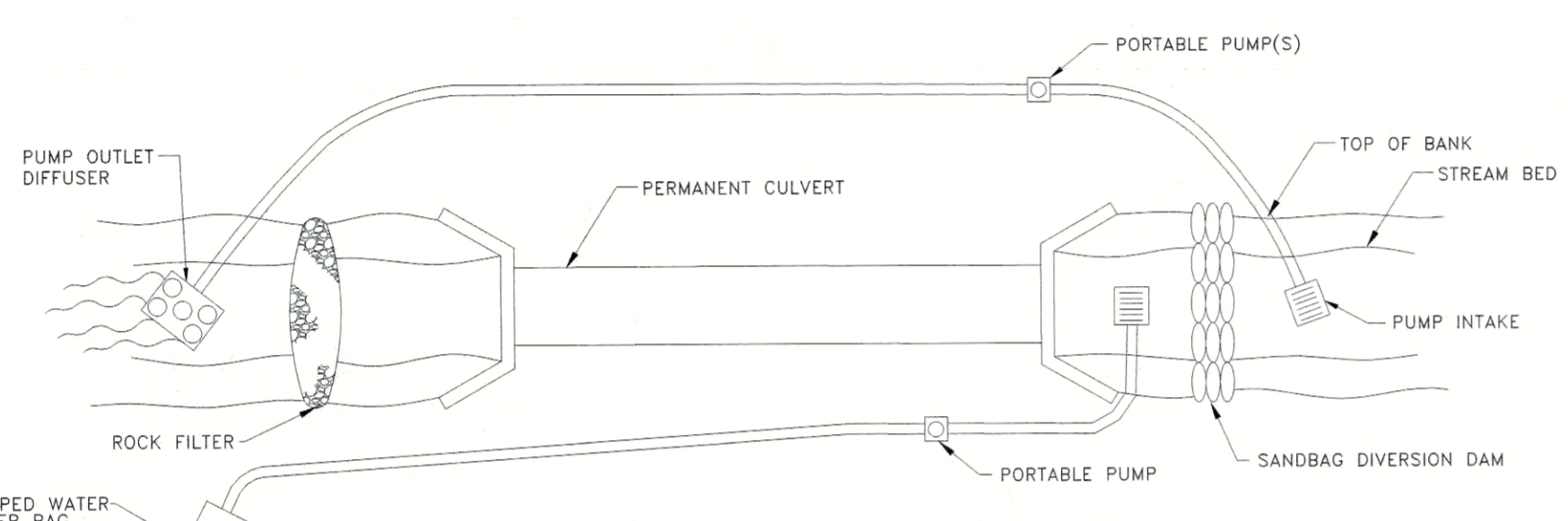


STANDARD CONSTRUCTION DETAIL #13-15
SANDBAG DIVERSION DAM OR COFFERDAM
NOT TO SCALE

NORTH
SCALE: 1" = 20'

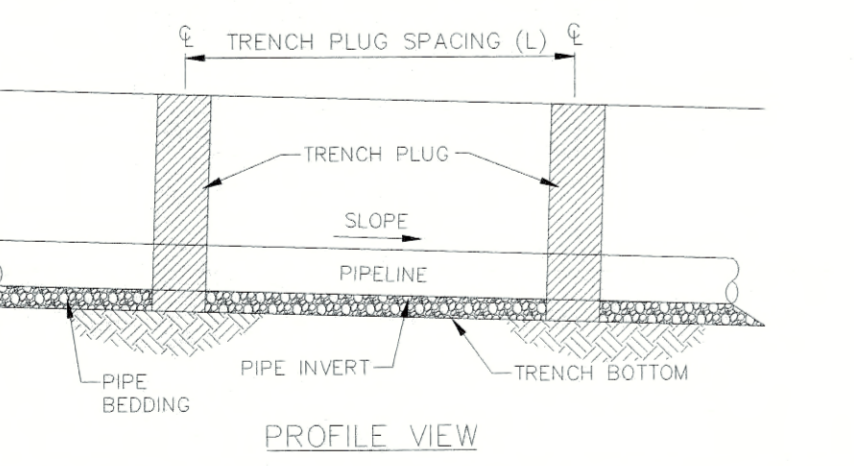
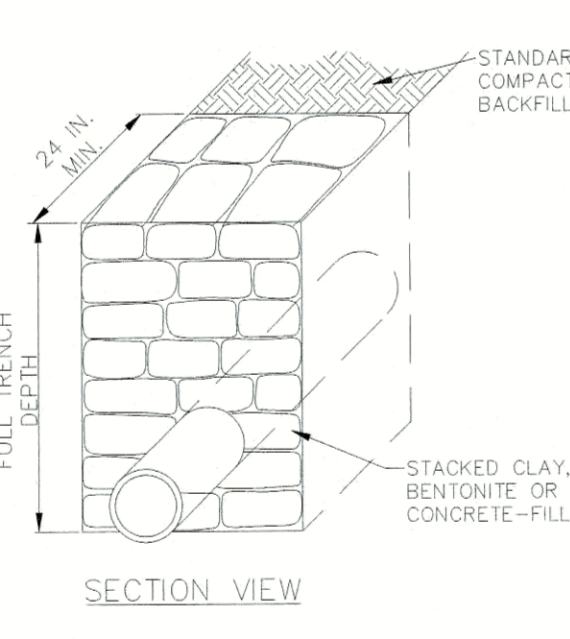
NOTES:
GRUBBING SHALL NOT TAKE PLACE WITHIN 50 FEET OF TOP-OF-BANK UNTIL ALL MATERIALS REQUIRED TO COMPLETE CROSSING ARE ON SITE AND PIPE IS READY FOR INSTALLATION.
BYPASS PUMP INTAKE SHALL BE MAINTAINED A SUFFICIENT DISTANCE FROM THE BOTTOM TO PREVENT PUMPING OF CHANNEL BOTTOM MATERIALS.
TRENCH PLUGS SHALL BE INSTALLED WITHIN THE TRENCH ON BOTH SIDES OF THE STREAM CHANNEL (STANDARD CONSTRUCTION DETAIL #13-4).
WATER ACCUMULATING WITHIN THE WORK AREA SHALL BE PUMPED TO A PUMPED WATER FILTER BAG OR SEDIMENT TRAP PRIOR TO DISCHARGING INTO ANY SURFACE WATER.
HAZARDOUS OR POLLUTANT MATERIAL STORAGE AREAS SHALL BE LOCATED AT LEAST 100 FEET BACK FROM THE TOP OF STREAMBANK.
ALL EXCESS EXCAVATED MATERIAL SHALL BE IMMEDIATELY REMOVED FROM THE STREAM CROSSING AREA.
ALL DISTURBED AREAS WITHIN 50 FEET OF TOP-OF-BANK SHALL BE BLANKETED OR MATTED WITHIN 24 HOURS OF INITIAL DISTURBANCE FOR MINOR STREAMS OR 48 HOURS OF INITIAL DISTURBANCE FOR MAJOR STREAMS UNLESS OTHERWISE AUTHORIZED.
APPROPRIATE STREAMBANK PROTECTION SHALL BE PROVIDED WITHIN THE CHANNEL.

STANDARD CONSTRUCTION DETAIL #13-2
TYPICAL UTILITY LINE STREAM CROSSING
WITH PUMP BYPASS
NOT TO SCALE



PUMPED STREAM DIVERSION DETAIL
N.T.S.

NOTES:
GRUBBING SHALL NOT TAKE PLACE WITHIN 50 FEET OF TOP-OF-BANK UNTIL ALL MATERIALS REQUIRED TO COMPLETE CROSSING ARE ON SITE AND PIPE IS READY FOR INSTALLATION.
BYPASS PUMP INTAKE SHALL BE MAINTAINED A SUFFICIENT DISTANCE FROM THE BOTTOM TO PREVENT PUMPING OF CHANNEL BOTTOM MATERIALS.
WATER ACCUMULATING WITHIN THE WORK AREA SHALL BE PUMPED TO A PUMPED WATER FILTER BAG OR SEDIMENT TRAP PRIOR TO DISCHARGING INTO ANY SURFACE WATER.
HAZARDOUS OR POLLUTANT MATERIAL STORAGE AREAS SHALL BE LOCATED AT LEAST 100 FEET BACK FROM THE TOP OF STREAMBANK.
ALL EXCESS EXCAVATED MATERIAL SHALL BE IMMEDIATELY REMOVED FROM THE STREAM CROSSING AREA.
ALL DISTURBED AREAS WITHIN 50 FEET OF TOP-OF-BANK SHALL BE BLANKETED OR MATTED WITHIN 24 HOURS OF INITIAL DISTURBANCE FOR MINOR STREAMS OR 48 HOURS OF INITIAL DISTURBANCE FOR MAJOR STREAMS UNLESS OTHERWISE AUTHORIZED.
APPROPRIATE STREAMBANK PROTECTION SHALL BE PROVIDED WITHIN THE CHANNEL.



| PA DEP EROSION CONTROL MANUAL TABLE 13.1 MAXIMUM SPACING AND MATERIALS FOR TRENCH PLUGS | | |
|--|--------------|--|
| TRENCH SLOPE (%) | SPACING (FT) | PLUG MATERIAL |
| < 5 | 1000 | * CLAY, BENTONITE OR CONCRETE FILLED SACKS |
| 5 - 15 | 500 | * CLAY, BENTONITE OR CONCRETE FILLED SACKS |
| 15 - 25 | 300 | * CLAY, BENTONITE OR CONCRETE FILLED SACKS |
| 25 - 35 | 200 | * CLAY, BENTONITE OR CONCRETE FILLED SACKS |
| 35 - 50 | 100 | * CLAY, BENTONITE OR CONCRETE FILLED SACKS |
| > 50 | 50 | * CEMENT BAGS (WETTED) OR MORTARED STONE |

NOTES:
IMPERVIOUS TRENCH PLUGS ARE REQUIRED FOR ALL STREAM, RIVER, WETLAND, OR OTHER WATER BODY CROSSINGS.

STANDARD CONSTRUCTION DETAIL #13-4
TRENCH PLUG INSTALLATION
NOT TO SCALE

