

PENNSYLVANIA C&L 187 REQUIREMENTS
 EXCAVATIONS UTILSER SERIAL NO. 20250700998
 CHESTER VALLEY ENGINEERS, INC. DOES NOT WARRANT THE ACCURACY
 OF THE INFORMATION FOR EXISTING UTILITIES SHOWN ON THIS PLAN.
 ON THE PLANS, NOR DOES CHESTER VALLEY ENGINEERS, INC. GUARANTEE
 THAT ALL EXISTING UTILITIES ARE SHOWN. THE USER OF THIS PLAN
 MUST VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO
 EXCAVATIONS, TRENCHING, AND SHORING
 ALL EXCAVATIONS, TRENCHING, AND SHORING OPERATIONS SHALL COMPLY
 WITH THE REQUIREMENTS OF THE FOLLOWING UNITED STATES DEPARTMENT
 OF LABOR OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
 PUBLICATIONS OR THE LATEST REVISIONS THEREOF:
 1) CONSTRUCTION INDUSTRY STANDARDS AND INTERPRETATIONS (OSHA
 2207) SUPPLEMENT PART 1926/1011 - "EXCAVATIONS,
 TRENCHING, AND SHORING"
 2) "EXCAVATIONS AND TRENCHING" (OSHA 2226) DATED
 1978

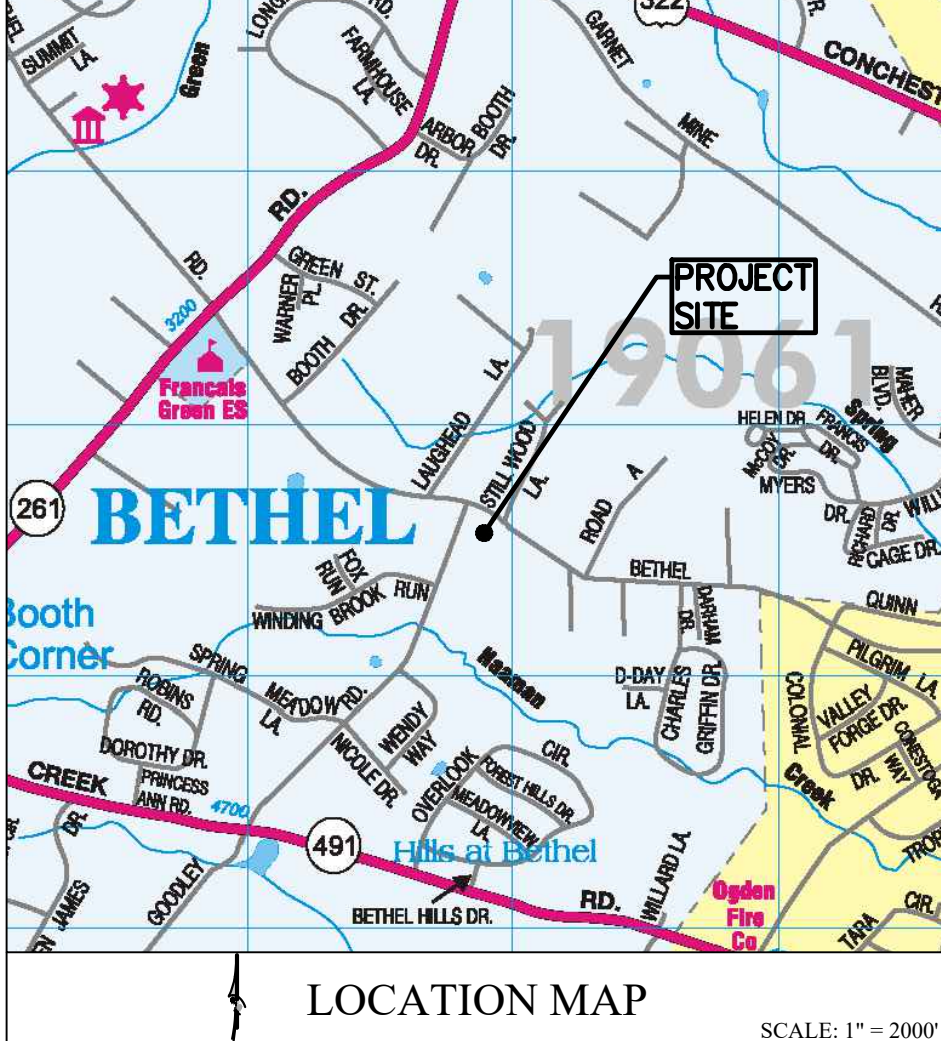
SEE SHEET 1
 FOR SHEET 1 OWNER'S
 DESIGNATED OFFICE
 ADDRESS AND
 TELEPHONE NUMBER.

PENNSYLVANIA ONE CALL SYSTEM, INC.

CALL 3 WORKING DAYS BEFORE YOU DIG

1-800-242-1776

POCS SERIAL NUMBER: 20250700998



Scale in Feet

0 20 40 60 120 180 240



$1'' = 60'$

No.	DATE	REVISION			
NPDES PERMIT PLANS					
FOR					
SHAFFER PRESERVE					
1657 BETHEL ROAD					
BETHEL TOWNSHIP - DELAWARE COUNTY - PENNSYLVANIA					
 ChesterValley ENGINEERS, INC. 112 Moores Road, Suite 200, Malvern, PA 19355 610-644-4623 www.chester-val.com				PROJECT NO.	
				22325	
SCALE	DATE	DRAWN BY	CHECKED BY	DRAWING	
1" = 60'	11/24/2025	JRL	RRB		

Diagram illustrating the steering knuckle assembly, showing the control arm, steering rack, and the 'WAY' (steering wheel) component.

WENDY

WENDY

WENDY

WENDY

WENDY

Botanical Name		Common Name	Price/Lb
29.60	<i>Schizanthus scapularis, Fort Indiantown Gap-PA Ecotype</i>	Little Bluestem, Fort Indiantown Gap-PA Ecotype	17.77
2.00	<i>Elymus virginicus, Madison-NY Ecotype</i>	Virginia Wildflower, Madison-NY Ecotype	11.22
10.00	<i>Echinacea purpurea</i>	Purple Coneflower	46.80
8.00	<i>Rubus odoratus</i>	Silvota Grana, Rubus	10.14
4.00	<i>Chamaecrista fasciculata, PA Ecotype</i>	Partridge Pea, PA Ecotype	13.00
4.00	<i>Composita arvensis</i>	Lambs Ears Compositis	21.25
4.00	<i>Rubus odoratus</i>	Rubus odoratus	13.80
2.80	<i>Pentstemon digitalis, PA Ecotype</i>	Golden Beards Tongue, PA Ecotype	10.24
2.00	<i>Hesperis matronalis, PA Ecotype</i>	Evening Sunflower, PA Ecotype	36.00
2.00	<i>Salix aurea, PA Ecotype</i>	Tall Ash, Alexandria, PA Ecotype	62.40
1.00	<i>Asclepias tuberosa</i>	Butterfly Milkweed	468.00
1.20	<i>Liatris pycnostachya, PA Ecotype</i>	Little Blazing Star, PA Ecotype	273.00
1.00	<i>Aster oblongifolius, PA Ecotype</i>	Aromatic Aster, PA Ecotype	226.00
1.00	<i>Lespedeza australis, Southern WV Ecotype</i>	Lespedeza australis, Southern WV Ecotype	116.00
1.00	<i>Lespedeza capitata, RI Ecotype</i>	Roundhead Lespedeza, RI Ecotype	124.80
1.00	<i>Lespedeza virginica, PA Ecotype</i>	Shiner Lespedeza, VA Ecotype	234.00
0.80	<i>Eragrostis spectabilis, RI Ecotype</i>	Purple Lovegrass, RI Ecotype	108.00
0.80	<i>Rubus odoratus, WV Ecotype</i>	Bromesynedus, WV Ecotype	62.40
0.80	<i>Senna hebecarpa, VA & WV Ecotype</i>	Senna, VA & WV Ecotype	31.20
0.80	<i>Tradescantia virginiana, PA Ecotype</i>	Ohio Spiderplant, PA Ecotype	390.00
0.60	<i>Pycnanthemum tenuifolium</i>	Narrowleaf Mountainmint	360.00
0.40	<i>Aster laevis, NY Ecotype</i>	Smooth Blue Aster, NY Ecotype	65.00
0.40	<i>Aster latifolius</i>	Carroll Aster	264.00
0.40	<i>Aster pilosus, PA Ecotype</i>	Heath Aster, PA Ecotype	312.00
0.40	<i>Munard Rebekah, Fort Indiantown Gap-PA Ecotype</i>	Munard Rebekah, Fort Indiantown Gap-PA Ecotype	312.00
0.40	<i>Senna maritima</i>	Yellow Senna	31.20
0.40	<i>Solidago nemoralis, PA Ecotype</i>	Gray Goldenrod, PA Ecotype	159.00
0.20	<i>Pentstemon hirsutus</i>	Heary Beard Tongue	520.00
0.20	<i>Pycnanthemum incanum</i>	Hoary Mountainmint	468.00
0.20	<i>Solidago bicolor, PA Ecotype</i>	White Goldenrod, PA Ecotype	312.00
0.20	<i>Solidago juncea, PA Ecotype</i>	Early Goldenrod, PA Ecotype	364.00

100.00

Mix Price/Lb Bulk:

\$59.46

LOCATION MAP

SCALE: 1" = 2000'

LEGEND

EXISTING FEATURES

	EXISTING PROPERTY BOUNDARY
	EXISTING ADJOINING PROP. LINE
	EXISTING RIGHT-OF-WAY LINE
	EXISTING EASEMENT
	EXISTING STREAM BOUNDARY
	EXISTING STRAC
	EXISTING FLOODPLAIN
	EXISTING BUILDING
	EXISTING 1' CONTOURS
	EXISTING 5' CONTOURS
	EXISTING SPOT ELEVATION
	EXISTING SOIL TYPE
	EXISTING CURB
	EXISTING EDGE OF PAVEMENT
	EXISTING FENCE
	EXISTING STORM INLET AND PIPE
	EXISTING MANHOLE AND PIPE
	EXISTING U/G FIRE LINE
	EXISTING U/G WATER LINE
	EXISTING U/G ELECTRIC LINE
	EXISTING U/G TELEPHONE LINE
	EXISTING U/G GAS LINE
	EXISTING OVERHEAD WIRES
	EXISTING LIGHT POLE
	EXISTING SIGN
	EXISTING UTILITY POLE

EXISTING CONIFEROUS TREE

EXISTING DECIDUOUS TREE

EXISTING TREE & SHRUB LINE

INFILTRATION TEST LOCATION

PROPOSED FEATURES

PROPOSED FEATURES	
	PROPOSED BITUMINOUS PAVEMENT TRAIL
	PROPOSED CONCRETE PAD
	PROPOSED BRIDGE
	PROPOSED SIGN

 PROPOSED 2' CONTOURS
 PROPOSED 10' CONTOURS
 PROPOSED SPOT ELEVATION
 PROPOSED LANDSCAPING FEATURES
 PROPOSED SHRUBS

PROPOSED TREES

PROPOSED HERBACEOUS

PROPOSED BASIN BOTTOM SEED MIX

	PROPOSED BASIN BOTTOM SEED MIX
	PROPOSED BASIN SLOPE SEED MIX
	PROPOSED LAWN
	PROPOSED WETLAND MITIGATION

A horizontal number line labeled "Scale in Feet". The line has tick marks at intervals of 20, starting from 0 and ending at 240. The tick marks are labeled 0, 20, 40, 60, 120, 180, and 240. The line is drawn with a double line at the ends.

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LANDSCAPE PLAN

D.	DATE	REVISION
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NPDES PERMIT PLANS
FOR
SHAFFER PRESERVE
1657 BETHEL ROAD


ChesterValley
 ENGINEERS, INC.

112 Moores Road, Suite 200, Malvern, PA 19355 610-644-4623 www.cheston.com				F.B.
SCALE 1" = 60'	DATE 11/24/2025	DRAWN BY JRL	CHECKED BY RRB	DRAWING

SHEET 14 OF 1