

SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY PRELIMINARY/FINAL LAND DEVELOPMENT SUBMISSION

SOUTH FAYETTE TOWNSHIP, ALLEGHENY COUNTY, PENNSYLVANIA AUGUST 2025



PROJECT TEAM

OWNER SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE ROAD McDONALD, PA 15057 PH: (412) 221-4542	CIVIL ENGINEER CIVIL & ENVIRONMENTAL CONSULTANTS, INC. 4350 NORTHERN PIKE, SUITE 141 MONROEVILLE, PENNSYLVANIA 15146 PH: (724) 387-6368 EMAIL: j.frydrych@cecinc.com PH: (724) 387-6368 EMAIL: gsamella@cecinc.com CONTACTS: JOHN FRYDRYCH, P.E. ANTHONY SIMELIS, P.E.
ARCHITECT DRAW COLLECTIVE 470 WASHINGTON ROAD PITTSBURGH, PA 15228 PH: (412) 561-7117 EMAIL: tim@drawcollective.com CONTACT: TIMOTHY REIDY, AIA	SURVEY CONSULTANT CIVIL & ENVIRONMENTAL CONSULTANTS, INC. 4350 NORTHERN PIKE, SUITE 141 MONROEVILLE, PA 15146 PH: (724) 387-6355 EMAIL: pbrothers@cecinc.com CONTACT: PETE E. BROTHERS, P.L.S.

LIST OF CONTACTS

GAS SERVICE PEOPLES GAS 374 NORTH SHORE DRIVE PITTSBURGH, PA 15212 CONTACT: BRANDON GATZ OFFICE: 412-256-4708 CELL: 412-415-9504 EMAIL: BRANDONGATZ@PEOPLES-GAS.COM	WATER SERVICE PA AMERICAN WATER CO. 303 ONEDA VALLEY ROAD BUTLER, PA 16001 CONTACT: JACK BEAL OFFICE: 724-287-2548 CELL: 724-225-6262 EMAIL: JACK.BEAL@AWATER.COM
TELEPHONE AND CABLE SERVICE VERIZON PENNSYLVANIA LLC 40 S MERCER STREET NEW CASTLE, PA 16101 TRICIA JACOBS TRICIAJACOBS@VERIZON.COM 724-656-5224	SANITARY SERVICE MUNICIPAL AUTHORITY OF THE TOWNSHIP OF SOUTH FAYETTE 700 HOLLAND STREET BRIDGEVILLE, PA 15023 CONTACT: NICK GOTTSMAN OFFICE: 412-292-5100 EXT.5 CELL: 412-523-2233 EMAIL: NGOTTSMAN@MWA.PA.TX
ELECTRIC SERVICE FIRST ENERGY SERVICE CO. 276 ROAD RIVER RD., SUITE 300 INDIANAPOLIS, IN 46240 OFFICE: 1-800-888-0022	

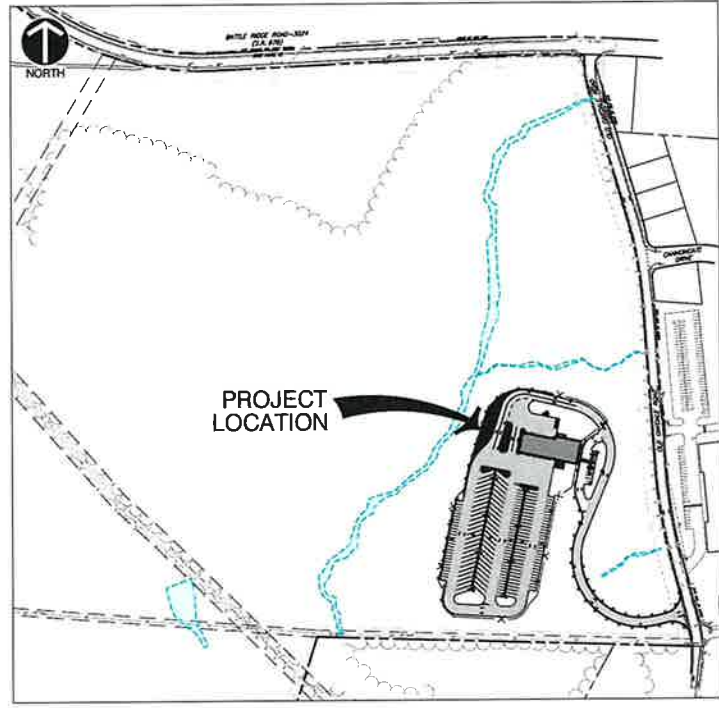
AREA AND BULK REQUIREMENTS		
	REQUIRED:	PROPOSED:
MINIMUM LOT SIZE (ACRES):	1 AC (PRINCIPLE USES)	113.934 AC
SETBACK - FRONT:	35'-FT	> 35'-FT
SETBACK - SIDES:	PRINCIPLE: 30 FT FT ACCESSORY: 15 FT	> REQUIRED
SETBACK - REAR:	PRINCIPLE: 30 FT FT ACCESSORY: 15 FT	> REQUIRED
LOT COVERAGE:	25% MAXIMUM*	< REQUIRED
BUILDING HEIGHT:	PRINCIPLE: 2-1/2 STORIES, NOT MORE THAN 33 FT ACCESSORY: 1 STORY, NOT MORE THAN 20 FEET	< REQUIRED

SOUTH FAYETTE TOWNSHIP ZONING INFORMATION	
SITE ZONING CLASSIFICATION:	R-2, SUBURBAN RESIDENTIAL DISTRICT
USE:	ESSENTIAL USE FOR SCHOOL BUS DEPOT
TAX PARCEL ID NUMBER:	405-G-7

ZONING OF ADJACENT PROPERTIES	
NORTH:	R-1 RURAL RESIDENTIAL
EAST:	CD-1 CONSERVATION
SOUTH:	MIXED CD-1 CONSERVATION/R-2 SUBURBAN RESIDENTIAL
WEST:	R-1 RURAL RESIDENTIAL

PARKING REQUIREMENTS AS PER SOUTH FAYETTE TOWNSHIP ZONING ORDINANCE ARTICLE XVI: 07-STREET PARKING RATIOS, SECTION 210-112.

- SOUTH FAYETTE TOWNSHIP APPROVED WAIVERS:**
- ON 08/22/2024, A WAIVER WAS GRANTED BY SOUTH FAYETTE TOWNSHIP COUNCIL, PERTAINING TO ORDINANCE § 211-2, TO WAIVE THE TRAFFIC IMPACT FEE REQUIREMENTS FOR THIS SECTION OF THE ORDINANCE.
 - ON 08/22/2024, A WAIVER WAS GRANTED BY SOUTH FAYETTE TOWNSHIP COUNCIL, PERTAINING TO ORDINANCE § 211-8, TO WAIVE THE OBLIGATION TO PERFORM A TRAFFIC STUDY FOR THE PROJECT PER THIS SECTION OF THE ORDINANCE.
 - ON 08/22/2024, A WAIVER WAS GRANTED BY SOUTH FAYETTE TOWNSHIP COUNCIL, PERTAINING TO ORDINANCE § 215-57, TO WAIVE THE REQUIREMENT TO INSTALL SIGNALLS ALONG THE FULL FRONTAGE OF THE PROPERTY PER THIS SECTION OF THE ORDINANCE.
 - ON 08/22/2024, A WAIVER WAS GRANTED BY SOUTH FAYETTE TOWNSHIP COUNCIL, PERTAINING TO ORDINANCE § 215-54 I.E. TO WAIVE THE WETLAND BUFFER REQUIREMENTS FOR THIS SECTION OF THE ORDINANCE.



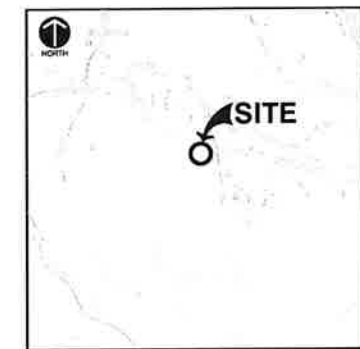
SITE MAP
SCALE: 1"=200'

0 200 400

ADDRESS:
SOUTH FAYETTE TOWNSHIP
MCDONALD, PA 15057

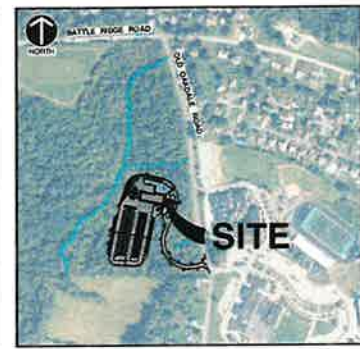
LOCAL JURISDICTION:
SOUTH FAYETTE TOWNSHIP
ALLEGHENY COUNTY, PA

ZONING INFORMATION:
SOUTH FAYETTE TOWNSHIP



VICINITY MAP
(VICINITY MAP SHOWN PRODUCED BY THE USGS - THE NATIONAL MAP US TOPO)
1"=2,000'

0 2000 4000



PROJECT LOCATION
BASE IMAGE FROM BING MAPS
ACCESSED DECEMBER, 2024
1"=500'

0 500 1000

SHEET LIST TABLE

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C000	TITLE SHEET
C001	GENERAL NOTES
C100	EXISTING CONDITIONS (1 OF 2)
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C201	BUS ROUTE
C202	SITE CERTIFICATION
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C301	SANITARY SEWER BENCH GRADING PLAN
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C303	ROADWAY CROSS SECTIONS
C304	SITE CROSS SECTION
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C400B	STORMWATER MANAGEMENT PLAN
C401	STORMWATER MANAGEMENT NOTES
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C803	SITE DETAILS (4 OF 6)
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C805	SITE DETAILS (6 OF 6)
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C901A	OVERALL E&S CONTROL PLAN - PHASE 2
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C902A	OVERALL E&S CONTROL PLAN - PHASE 3
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C908	E&S CONTROL PLAN DETAILS (3 OF 3)
HYD7	PRE-DEVELOPMENT HYDROLOGY
HYD6	POST DEVELOPMENT HYDROLOGY

SUPPLEMENTAL SHEETS - GEO

Sheet Number	Sheet Title
2	BORING AND INFILTRATION TEST LOCATION PLAN
3	CROSS-SECTIONS A-A AND B-B
4	GEOTECHNICAL DETAILS

SUPPLEMENTAL SHEETS - LIGHTING

Sheet Number	Sheet Title
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LITG-2	SITE LIGHTING FIXTURE CUTS & DETAILS

4350 Northern Pike
Suite 141
Pittsburgh, PA 15146
Ph: 724.327.5200
www.cecinc.com

CEC
Civil & Environmental
Consultants, Inc.

REVISIONS:
1. PREPARED BY: JFR
2. TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
 3680 OLD OAKDALE RD MCDONALD, PA, 15057
 SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD
 MCDONALD, PA, 15057

PLOT No. 24-S48-01B
 Issue Date 06/06/2025
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 2025

5/6/2025 12:46:08 PM Autodesk Docs (6/9/24:41) South Fayette SD\24-S48-01B South Fayette SD - Bus Depot - Maintenance Building CENTRAL L221.rvt

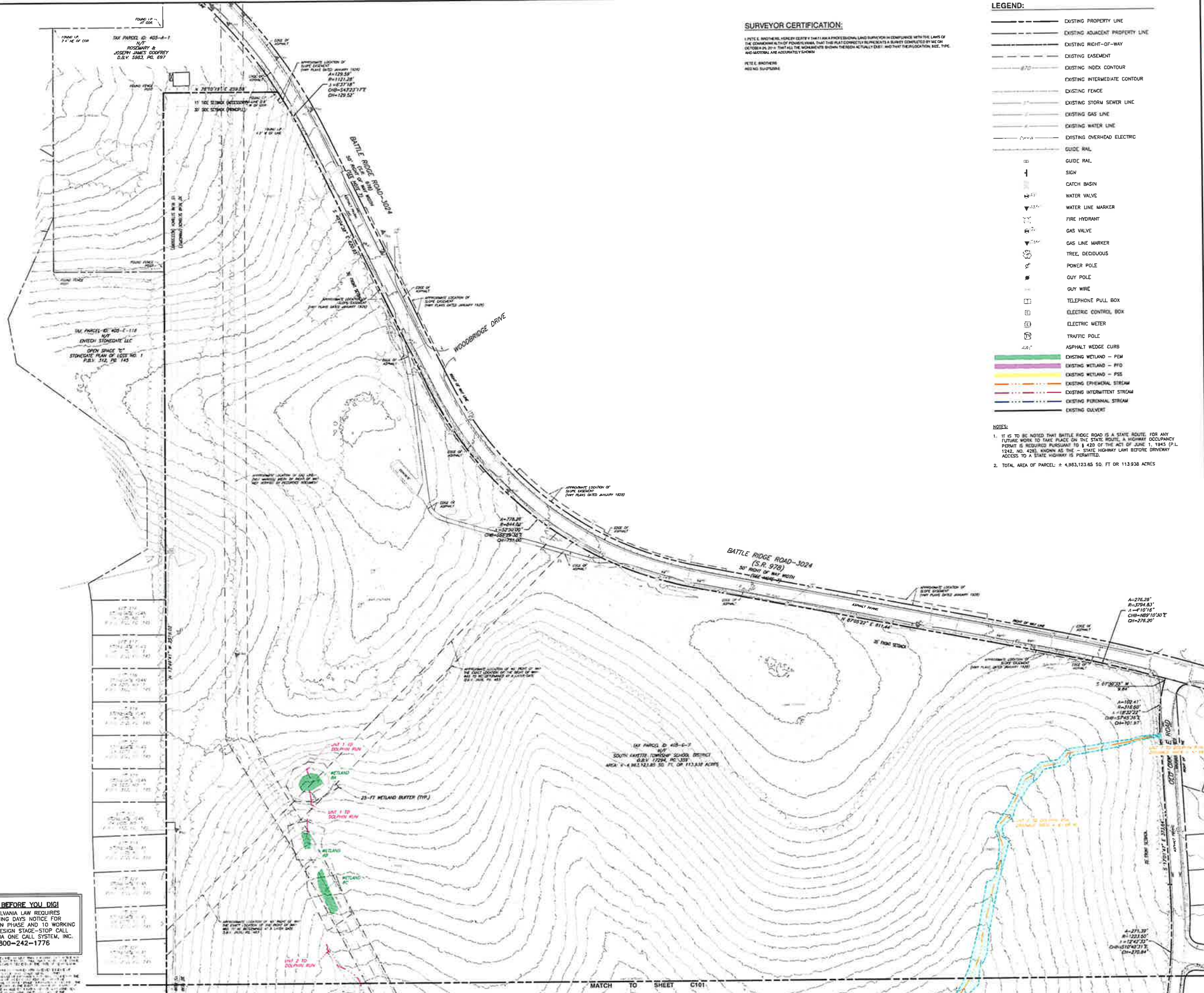
REFERENCE
1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY: CML & ENVIRONMENTAL CONSULTANTS, INC., DATED JANUARY 2024



ONE CALL SERIAL NO.:

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE-STOP CALL PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776

REFERENCE
1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC., DATED JANUARY 2024.



SURVEYOR CERTIFICATION:
I, PETER L. BROTHMAN, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR IN CONFORMANCE WITH THE LAWS OF THE COMMONWEALTH OF PENNSYLVANIA, THAT THIS PLAN CORRECTLY REPRESENTS A SURVEY COMPLETED BY ME ON OCTOBER 26, 2024 THAT ALL THE DIMENSIONS SHOWN THEREON ACTUALLY EXIST, AND THAT THE LOCATION, SIZE, TYPE AND METERS ARE ACCURATELY SHOWN.

PETER L. BROTHMAN
REG. NO. 10078

LEGEND:

	EXISTING PROPERTY LINE
	EXISTING ADJACENT PROPERTY LINE
	EXISTING RIGHT-OF-WAY
	EXISTING EASEMENT
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	EXISTING FENCE
	EXISTING STORM SEWER LINE
	EXISTING GAS LINE
	EXISTING WATER LINE
	EXISTING OVERHEAD ELECTRIC
	GUIDE RAIL
	GUIDE RAIL
	SIGN
	CATCH BASIN
	WATER VALVE
	WATER LINE MARKER
	FIRE HYDRANT
	GAS VALVE
	GAS LINE MARKER
	TREE, DECIDUOUS
	POWER POLE
	GUY POLE
	GUY WIRE
	TELEPHONE PULL BOX
	ELECTRIC CONTROL BOX
	ELECTRIC METER
	TRAFFIC POLE
	ASPHALT WEDGE CURB
	EXISTING WETLAND - PEM
	EXISTING WETLAND - PFD
	EXISTING WETLAND - FSS
	EXISTING EPHEMERAL STREAM
	EXISTING INTERMITTENT STREAM
	EXISTING PERENNIAL STREAM
	EXISTING CULVERT

NOTES:

- IT IS TO BE NOTED THAT BATTLE RIDGE ROAD IS A STATE ROUTE. FOR ANY FUTURE WORK TO TAKE PLACE ON THE STATE ROUTE, A HIGHWAY OCCUPANCY PERMIT IS REQUIRED PURSUANT TO § 422 OF THE ACT OF JUNE 1, 1945 (P.L. 1242, NO. 428), KNOWN AS THE "STATE HIGHWAY LAW BEFORE DRIVEWAY ACCESS TO A STATE HIGHWAY IS PERMITTED.
- TOTAL AREA OF PARCEL: ± 4,883,123.65 SQ. FT OR 113,938 ACRES

DRAW COLLECTIVE
470 Washington Road, Pittsburgh, PA 15228
412.361.7117 www.drawcollective.com



4350 Northern Pike
Suite 141
Pittsburgh, PA 15146
Ph: 724.327.5200
www.cesinc.com

C&E
Civil & Environmental
Consultants, Inc.

DATE	08/08/2025	PROJECT	NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
SCALE	AS SHOWN	DRAWN BY	ALM
REVISED		APPROVED BY	ALM
PROJECT NO.	24-549-01B	DATE	06/06/2025
HAND SIGNATURE OR FILE			

REVISIONS:
1. TOWNSHIP AND ACED COMMENT LETTER AUGUST 1, 2025
2. TOWNSHIP AND ACED COMMENT LETTER AUGUST 1, 2025

TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3800 OLD OAKDALE RD MCDONALD, PA, 15087
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3880 OLD OAKDALE RD MCDONALD, PA, 15087

EXISTING CONDITIONS (1 OF 2)

Proj No. 24-549-01B
Issue Date 06/06/2025

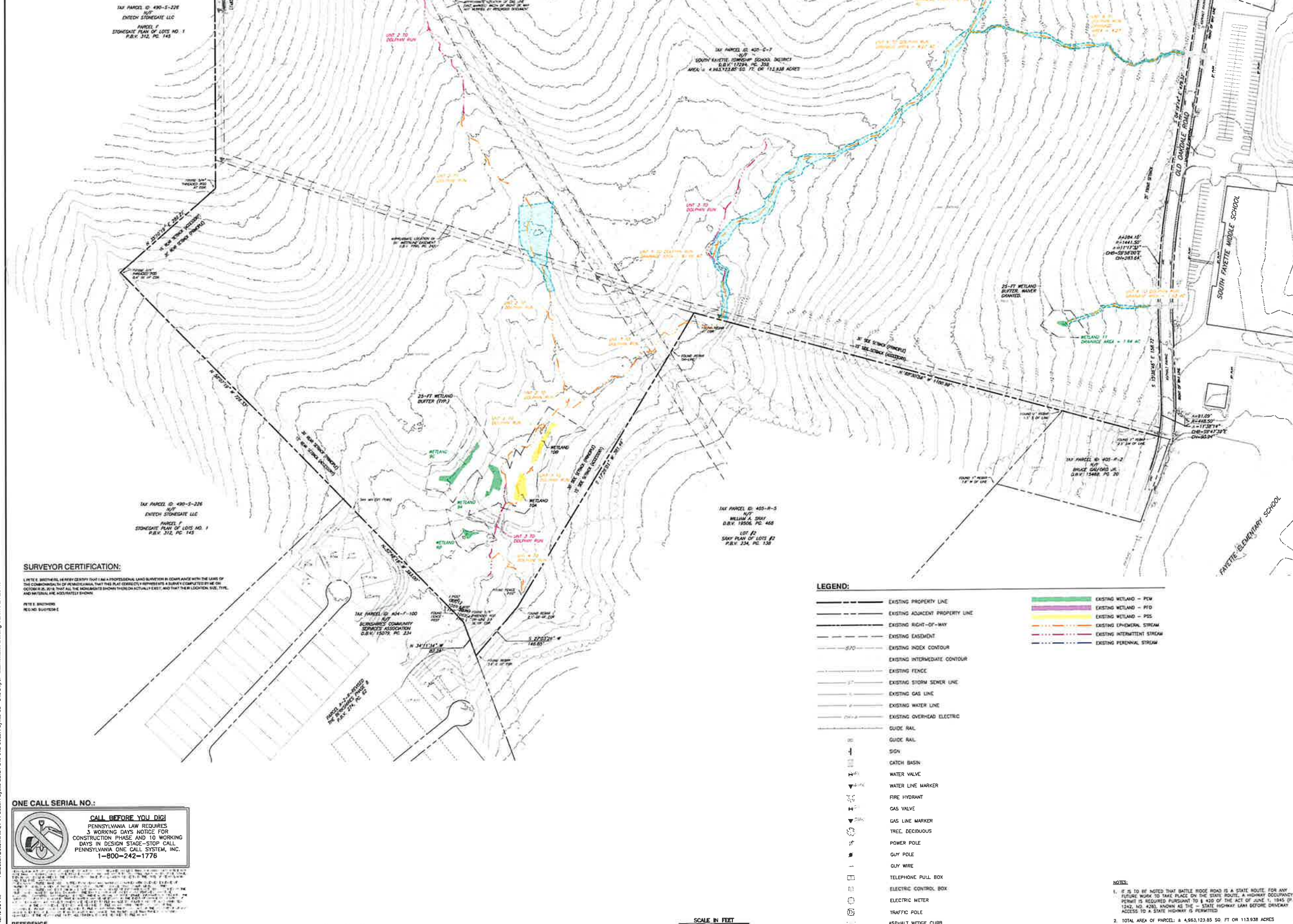
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562025 12:49:08 PM Autodesk Docs/7590 24-01 South Fayette SD/24-549-01B South Fayette SD - Bus Depot - Maintenance Building CENTRAL R23.rvt



NORTH



TAX PARCEL ID: 400-5-226
R/W
ENTECH STORAGE LLC
PARCEL F
STONEGATE PLAN OF LOTS NO. 1
P.B.V. 312, PG. 148

TAX PARCEL ID: 400-5-226
R/W
ENTECH STORAGE LLC
PARCEL F
STONEGATE PLAN OF LOTS NO. 1
P.B.V. 312, PG. 148

TAX PARCEL ID: 400-5-7
R/W
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT
S.B.V. 12294, PG. 203
AREA: 4.843,123 AC ± 77. OR 112.84 ACRES

TAX PARCEL ID: 405-R-5
R/W
WILLIAM A. SHAY
D.B.V. 12006, PG. 468
LOT #2
SHAY PLAN OF LOTS #1
P.B.V. 234, PG. 130

SURVEYOR CERTIFICATION:
I, PETER E. BRITTON, BEING CERTIFIED THAT I AM A PROFESSIONAL LAND SURVEYOR IN COMPLIANCE WITH THE LAWS OF THE COMMONWEALTH OF PENNSYLVANIA, THAT THIS PLAN CORRECTLY REPRESENTS A SURVEY COMPUTED BY ME ON OCTOBER 10, 2024, THAT ALL THE MEASUREMENTS SHOWN THEREON ARE ACTUALLY MADE, AND THAT THEIR LOCATION, BEING TRUE, AND MATERIAL ARE ACCURATELY SHOWN.

PETER E. BRITTON
REG. NO. 82578-001

ONE CALL SERIAL NO.:

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 10 WORKING
DAYS IN DESIGN STAGE—STOP CALL
PENNSYLVANIA ONE CALL SYSTEM, INC.
1-800-242-1775

REFERENCE
1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY: CIVIL & ENVIRONMENTAL CONSULTANTS, INC., DATED: JANUARY 2024.

LEGEND:

	EXISTING PROPERTY LINE		EXISTING WETLAND - PFM
	EXISTING ADJACENT PROPERTY LINE		EXISTING WETLAND - PFD
	EXISTING RIGHT-OF-WAY		EXISTING WETLAND - PFS
	EXISTING EASEMENT		EXISTING EPHEMERAL STREAM
	EXISTING INDEX CONTOUR		EXISTING INTERMITTENT STREAM
	EXISTING INTERMEDIATE CONTOUR		EXISTING PERENNIAL STREAM
	EXISTING FENCE		
	EXISTING STORM SEWER LINE		
	EXISTING GAS LINE		
	EXISTING WATER LINE		
	EXISTING OVERHEAD ELECTRIC		
	GUIDE RAIL		
	GUIDE RAIL		
	SIGN		
	CATCH BASIN		
	WATER VALVE		
	WATER LINE MARKER		
	FIRE HYDRANT		
	GAS VALVE		
	GAS LINE MARKER		
	TREE, DECIDUOUS		
	POWER POLE		
	GUY POLE		
	GUY WIRE		
	TELEPHONE PULL BOX		
	ELECTRIC CONTROL BOX		
	ELECTRIC METER		
	TRAFFIC POLE		
	ASPHALT WEDGE CURB		

NOTES:
1. IF IT IS TO BE NOTED THAT BATTLE ROOF ROAD IS A STATE ROUTE, FOR ANY FUTURE WORK TO TAKE PLACE ON THE STATE ROUTE, A HIGHWAY OCCUPANCY PERMIT IS REQUIRED PURSUANT TO § 460 OF THE ACT OF JUNE 11, 1946 (P.L. 1242, NO. 408), KNOWN AS THE STATE HIGHWAY LAWN BEFORE DRIVEWAY ACCESS TO A STATE HIGHWAY IS PERMITTED.
2. TOTAL AREA OF PARCEL: ± 4,963,123.85 SQ. FT. OR 113.938 ACRES

SCALE IN FEET
0 80 160

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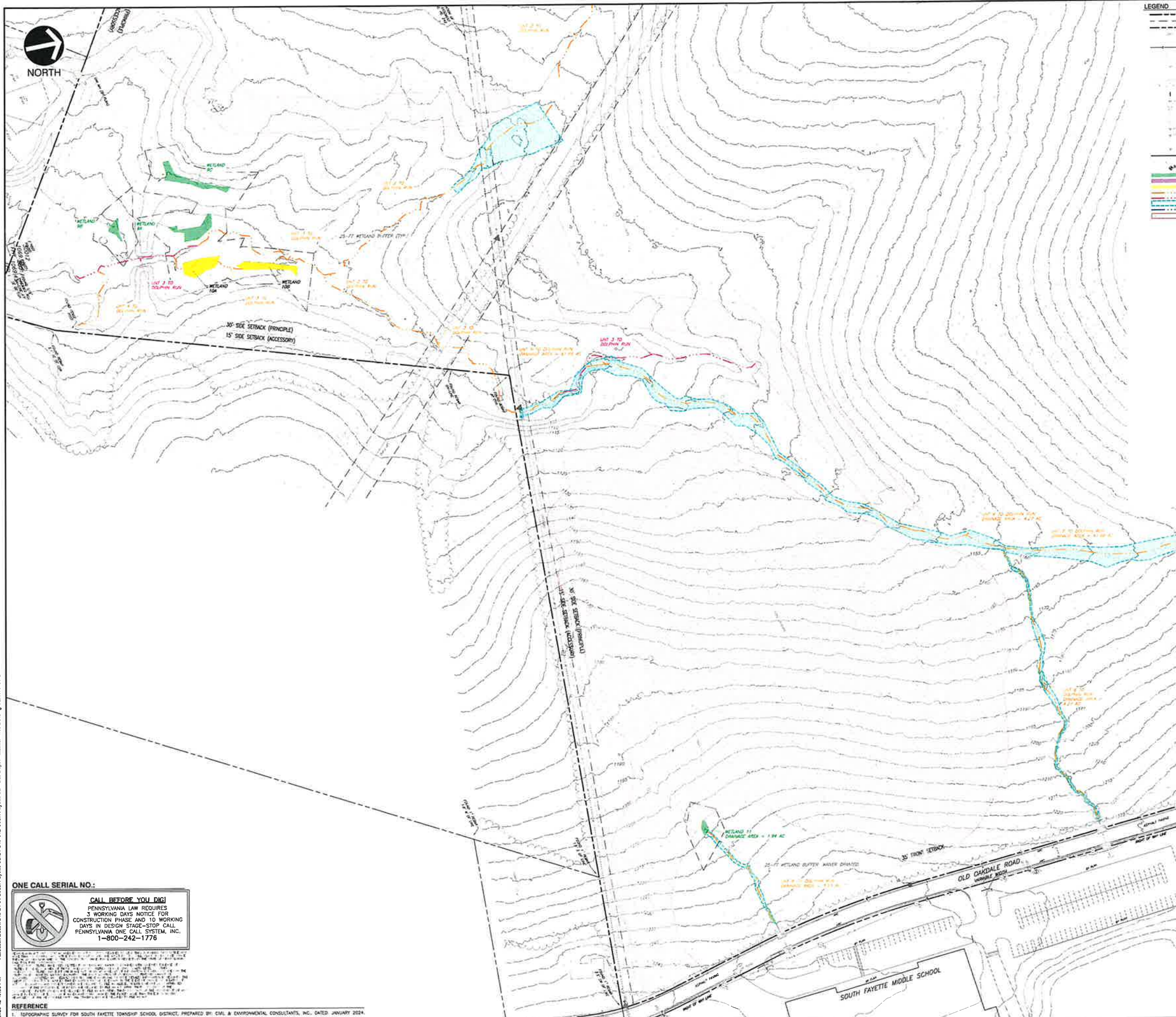
DATE: 08/06/2025
SCALE: AS SHOWN
PROJECT: 24-548-01B
DRAWN BY: PEB
CHECKED BY: PEB
APPROVED BY: PEB
FILE SIGNATURE ON FILE

REVISIONS:
1. TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025
2. TOWNSHIP AND ACED COMMENT LETTER AUGUST 1, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3800 OLD OAKDALE RD MCDONALD, PA, 15087
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3800 OLD OAKDALE RD
MCDONALD, PA, 15087
EXISTING CONDITIONS (2 OF 2)

Proj No. 24-548-01B
Issue Date 06/06/2025
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LEGEND

[Symbol]	EXISTING PROPERTY LINE
[Symbol]	EXISTING EASEMENT
[Symbol]	EXISTING RIGHT-OF-WAY
[Symbol]	EXISTING INDEX CONTOUR
[Symbol]	EXISTING INTERMEDIATE CONTOUR
[Symbol]	EXISTING FENCE LINE
[Symbol]	EXISTING DITCH FLOW LINE
[Symbol]	EXISTING STORM PIPE
[Symbol]	EXISTING WATER LINE
[Symbol]	EXISTING GAS LINE
[Symbol]	EXISTING OVERHEAD WIRE
[Symbol]	EXISTING FREELINE
[Symbol]	SEIK
[Symbol]	WATER BOX (WATER VALVE)
[Symbol]	FIRE HYDRANT
[Symbol]	WATER MANHOLE
[Symbol]	WATER VALVE
[Symbol]	WATERLINE MARKER
[Symbol]	GAS LINE MARKER
[Symbol]	GUY WIRE
[Symbol]	GUY POLE
[Symbol]	EXISTING FEMA FLOODPLAIN
[Symbol]	EXISTING WETLAND
[Symbol]	BORING LOCATION
[Symbol]	EXISTING WETLAND - PEW
[Symbol]	EXISTING WETLAND - PFD
[Symbol]	EXISTING WETLAND - PSE
[Symbol]	EXISTING EPHEMERAL STREAM
[Symbol]	EXISTING INTERMITTENT STREAM
[Symbol]	CALCULATED 100-YR WSE
[Symbol]	EXISTING PERENNIAL STREAM
[Symbol]	LIMITS OF CLEARING

DRAW COLLECTIVE
 470 Washington Road, Pottsville, PA 17228
 412.551.7117 www.drcollective.com



4350 Northern Pike
 Suite 141
 Mercersville, PA 17146
 Ph: 743.327.5200
 www.ccecinc.com

CCEC
 Civil & Environmental
 Consultants, Inc.

DATE	DATE REVISION BY	DATE
08/04/2025	08/04/2025	08/04/2025
SCALE	AS SHOWN	CHECKED BY
PROJECT	010111	APPROVED BY
*HARD SIGNATURE ON FILE		

REVISIONS:
 1. TOWNSHIP AND ACED COMMENT LETTER AUGUST 1, 2025
 2. TOWNSHIP AND ACED COMMENT LETTER AUGUST 1, 2025

TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
 3800 OLD OAKDALE RD MCDONALD, PA, 15057
 SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3800 OLD OAKDALE RD
 MCDONALD, PA, 15057

DEMOLITION PLAN

Proj No: 24-S48-01B
 Issue Date: 06/06/2025

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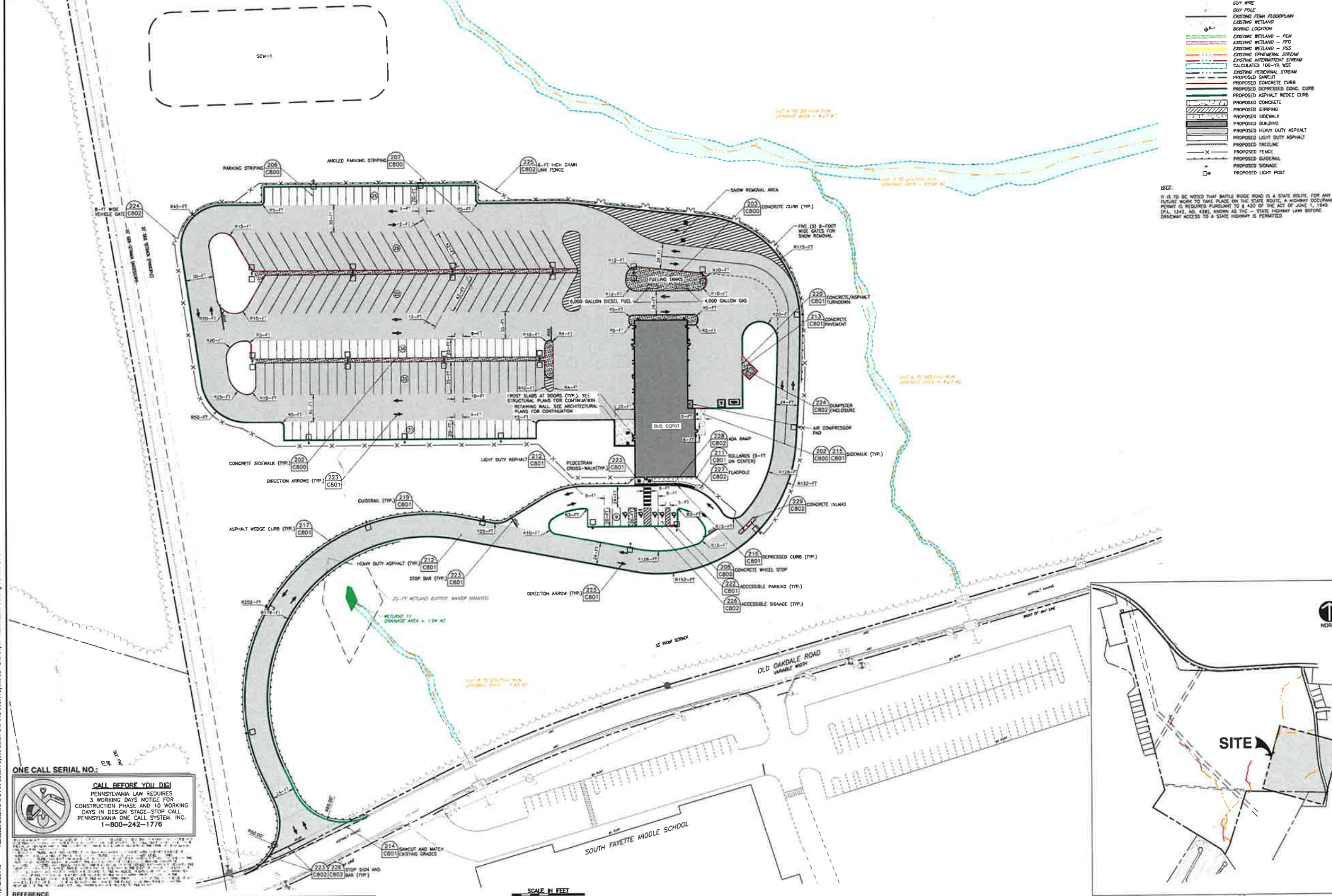
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ONE CALL SERIAL NO.:
CALL BEFORE YOU DIG!
 PENNSYLVANIA LAW REQUIRES
 3 WORKING DAYS NOTICE FOR
 CONSTRUCTION PHASE AND 10 WORKING
 DAYS IN DESIGN STAGE-STOP CALL
 PENNSYLVANIA ONE CALL SYSTEM, INC.
 1-800-242-1776

REFERENCE
 1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY: CIVIL & ENVIRONMENTAL CONSULTANTS, INC., DATED: JANUARY 2024.



NORTH



LEGEND

[Symbol]	EXISTING PROPERTY LINE
[Symbol]	EXISTING EASEMENT
[Symbol]	EXISTING HIGHWAY WAY
[Symbol]	EXISTING INDEX CONTOUR
[Symbol]	EXISTING INTERMEDIATE CONTOUR
[Symbol]	EXISTING FENCE LINE
[Symbol]	EXISTING DRAIN FLOW LINE
[Symbol]	EXISTING STORM PIPE
[Symbol]	EXISTING WATER LINE
[Symbol]	EXISTING GAS LINE
[Symbol]	EXISTING OVERHEAD WIRE
[Symbol]	EXISTING TREELINE
[Symbol]	SIGN
[Symbol]	WATER BOX (WATER VALVE)
[Symbol]	FIRE HYDRANT
[Symbol]	WATER MANHOLE
[Symbol]	WATER VALVE
[Symbol]	WATERLINE MARKER
[Symbol]	GAS LINE MARKER
[Symbol]	GUY WIRE
[Symbol]	GUY POLE
[Symbol]	EXISTING FEMA FLOODPLAIN
[Symbol]	EXISTING LOCATION
[Symbol]	EXISTING WETLAND - PEM
[Symbol]	EXISTING WETLAND - PFO
[Symbol]	EXISTING WETLAND - PSC
[Symbol]	EXISTING PERMANENT STREAM
[Symbol]	EXISTING INTERMITTENT STREAM
[Symbol]	EXISTING PERENNIAL STREAM
[Symbol]	EXISTING CALCULATED 100-YR WSP
[Symbol]	PROPOSED SAWCUT
[Symbol]	PROPOSED CONCRETE CURB
[Symbol]	PROPOSED COMPRESSED CONC. CURB
[Symbol]	PROPOSED ASPHALT WEDGE CURB
[Symbol]	PROPOSED CONCRAETE
[Symbol]	PROPOSED STRIPING
[Symbol]	PROPOSED SIDEWALK
[Symbol]	PROPOSED BUILDING
[Symbol]	PROPOSED HEAVY DUTY ASPHALT
[Symbol]	PROPOSED LIGHT DUTY ASPHALT
[Symbol]	PROPOSED TREELINE
[Symbol]	PROPOSED FENCE
[Symbol]	PROPOSED GUIDELINE
[Symbol]	PROPOSED SIGNAGE
[Symbol]	PROPOSED LIGHT POST

NOTE:
IT IS TO BE NOTED THAT BATTLE RIDGE ROAD IS A STATE ROUTE. FOR ANY FUTURE WORK TO TAKE PLACE ON THE STATE ROUTE, A HIGHWAY OCCUPANCY PERMIT IS REQUIRED PURSUANT TO § 425 OF THE ACT OF JUNE 7, 1945 (P.L. 1241, NO. 425), KNOWN AS THE "STATE HIGHWAY LAW BEFORE DRIVEWAY ACCESS TO A STATE HIGHWAY IS PERMITTED."

ONE CALL SERIAL NO.:

CALL BEFORE YOU DIG!
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REFERENCE
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SCALE IN FEET
0 40 80

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CCC
Civil & Environmental
Consultants, Inc.

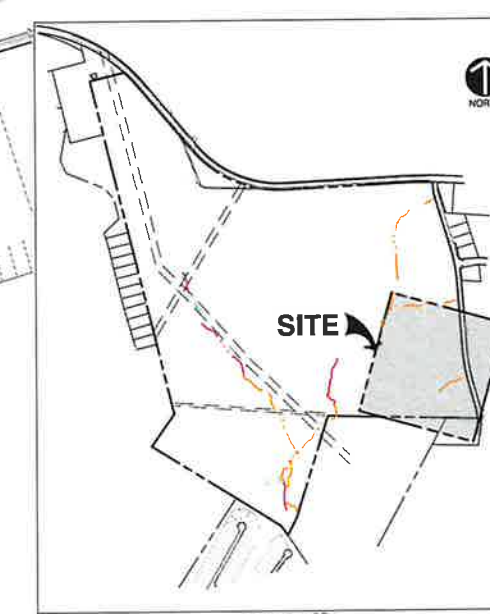
DATE: 06/06/2025
SCALE: AS SHOWN
REVISIONS: 1. 06/06/2025
2. 06/06/2025

REVISIONS:
1. 06/06/2025
2. 06/06/2025

TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3680 OLD OAKDALE RD MCDONALD, PA, 15057
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD
MCDONALD, PA, 15057

SITE LAYOUT



Proj No. 24-S49-01B
Issue Date 06/06/2025

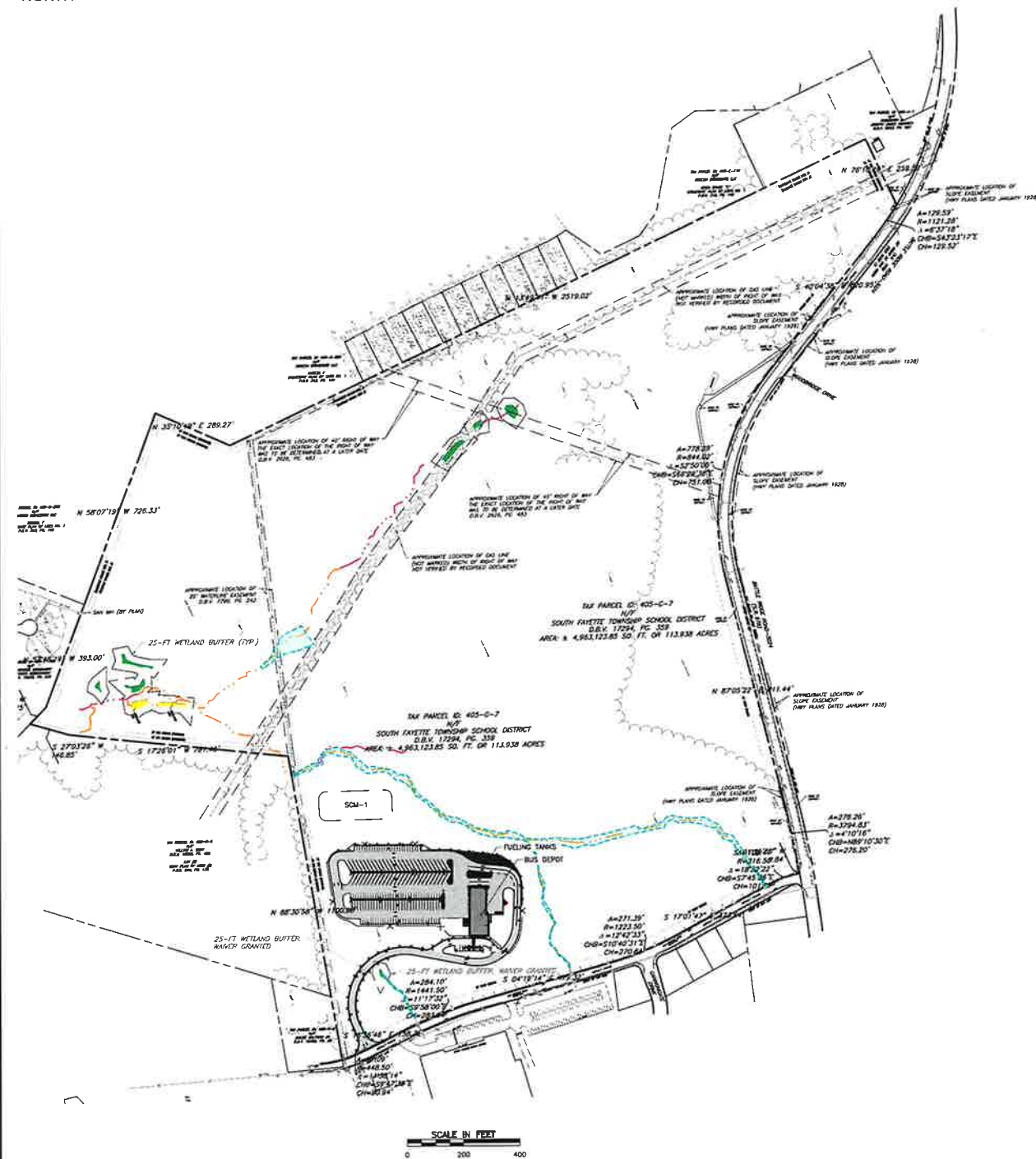
C200

DRAWING INDEX

562025 12:49:08 PM Autodesk Docs (152524-01) South Fayette SD (24) S49-01B South Fayette SD - Bus Depot - Maintenance Building CENTRAL R221.rvt



NORTH



PARCEL ID:
405-G-7
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT
D.B.V. 17294, PG. 259
AREA: 4,963,123.85 SQ. FT. OR 113.938 ACRES

AREA AND BULK REQUIREMENTS		
	REQUIRED	PROPOSED:
MINIMUM LOT SIZE (ACRES)	1 AC (PRINCIPLE USES)	113.938 AC
SETBACK - FRONT:	35-FT	> 35-FT
SETBACK - SIDES:	PRINCIPLE: 30 FT FT ACCESSORY: 15 FT	> REQUIRED
SETBACK - REAR:	PRINCIPLE: 30 FT FT ACCESSORY: 15 FT	> REQUIRED
LOT COVERAGE	25% MAXIMUM*	< REQUIRED
BUILDING HEIGHT	PRINCIPLE: 2-1/2 STORES, NOT MORE THAN 25 FT ACCESSORY: 1 STORY, NOT MORE THAN 20 FEET	< REQUIRED

SOUTH FAYETTE TOWNSHIP APPROVED WAIVERS:

1) ON _____ A WAIVER WAS GRANTED BY SOUTH FAYETTE TOWNSHIP COUNCIL, PENDING TO ORDNANCE § 215-5, TO WAIVE THE TRAFFIC IMPACT FEE REQUIREMENTS FOR THIS SECTION OF THE ORDINANCE.

2) ON _____ A WAIVER WAS GRANTED BY SOUTH FAYETTE TOWNSHIP COUNCIL, PENDING TO ORDNANCE § 211-8, TO WAIVE THE OBLIGATION TO PERFORM A TRAFFIC STUDY FOR THE PROJECT FOR THIS SECTION OF THE ORDINANCE.

3) ON _____ A WAIVER WAS GRANTED BY SOUTH FAYETTE TOWNSHIP COUNCIL, PENDING TO ORDNANCE § 215-47, TO WAIVE THE REQUIREMENT TO INSTALL SIGNAGE ALONG THE FULL FRONTAGE OF THE PROPERTY FOR THIS SECTION OF THE ORDINANCE.

4) ON _____ A WAIVER WAS GRANTED BY SOUTH FAYETTE TOWNSHIP COUNCIL, PENDING TO ORDNANCE § 215-84.1E, TO WAIVE THE WETLAND BUFFER REQUIREMENTS FOR THIS SECTION OF THE ORDINANCE.

OWNER'S ADOPTION AND DESIGNATION

BY A RESOLUTION APPROVED ON THE _____ DAY OF _____, 20____, THE BOARD OF DIRECTORS OF THE SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, INCORPORATED IN THE STATE OF PENNSYLVANIA, _____ OF THE LAND SHOWN ON THE _____ (NAME OF OWNER OR OWNERS) _____ (PLAN OF LOTS OR LAND DEVELOPMENT) AND IRREVOCABLY DEDICATED ALL STREETS AND OTHER PROPERTY IDENTIFIED FOR DEDICATION ON THE PLAN TO THE TOWNSHIP OF SOUTH FAYETTE. THIS ADOPTION AND DEDICATION SHALL BE BINDING UPON THE CORPORATION AND UPON ITS SUCCESSORS AND ASSIGNS.

(SEAL) _____ (NAME OF CORPORATION)

(SIGNATURE AND TITLE OF OFFICER)

(SIGNATURE AND TITLE AUTHORIZED OFFICER WITNESSING)

(DATE)

PROOF OF RECORDING

COMMONWEALTH OF PENNSYLVANIA : SS
COUNTY OF ALLEGHENY : SS

RECORDED IN THE OFFICE FOR THE RECORDING OF DEEDS, PLATS, ETC., IN SAID COUNTY, IN PLAN BOOK VOLUME _____ PAGE _____ GIVEN UNDER MY HAND AND SEAL THIS _____ DAY OF _____, 20____.

RECORDER OF DEEDS

COMMONWEALTH OF PENNSYLVANIA : SS
COUNTY OF ALLEGHENY

BEFORE ME, THE SUBSCRIBER, A NOTARY PUBLIC IN AND FOR SAID COMMONWEALTH AND COUNTY, PERSONALLY APPEARED THE BELOW NAMED _____ (NAME OF CORPORATION), WHO ACKNOWLEDGED THE SAME TO BE RECORDED AS SUCH.

SHOWN AND SUBSCRIBED BEFORE ME THE _____ DAY OF _____, 20____.

MY COMMISSION EXPIRES THE _____ DAY OF _____, 20____.

NOTARY PUBLIC (SEAL)

ACKNOWLEDGMENT OF CORPORATE ADOPTION AND DESIGNATION

BEFORE ME, THE UNDERSIGNED NOTARY PUBLIC IN AND FOR THE COMMONWEALTH OF PENNSYLVANIA AND COUNTY OF ALLEGHENY, PERSONALLY APPEARED _____ (NAME AND TITLE OF OFFICER) OF THE _____ (NAME OF CORPORATION), WHO STATED THAT (HE/SHE) IS AUTHORIZED TO EXECUTE THE ABOVE ADOPTION AND DESIGNATION ON BEHALF OF THE CORPORATION AND WAS PRESENT AT THE MEETING AT WHICH THE ACTION OF THE CORPORATION WAS TAKEN TO ADOPT THE PLAN AND DEDICATE PUBLIC PROPERTY CONTAINED THEREIN TO SOUTH FAYETTE TOWNSHIP.

WITNESS MY HAND AND NOTARIAL SEAL THIS _____ DAY OF _____, 20____.

MY COMMISSION EXPIRES THE _____ DAY OF _____, 20____.

(SEAL) _____ (NOTARY PUBLIC)

SURVEYOR'S CERTIFICATE

PENNSYLVANIA, DO HEREBY CERTIFY THAT THIS PLAN CORRECTLY REPRESENTS THE LOTS, LANDS, STREETS, AND HIGHWAYS AS SURVEYED AND PLOTTED BY ME FOR THE OWNERS OR AGENTS.

(SEAL)

(SURVEYOR)

REGISTRATION NO. _____
DATE _____

CERTIFICATION OF TITLE WITH MORTGAGE AND CONSENT OF MORTGAGEE

(I/WE) HEREBY CERTIFY THAT THE TITLE OF THE PROPERTY CONTAINED IN THE NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY IS IN THE NAME OF _____ AND IS RECORDED IN DEED BOOK VOLUME _____ PAGE _____.

WITNESS

OWNER

(NAME OF MORTGAGEE), MORTGAGEE OF THE PROPERTY CONTAINED IN THE NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY CONSENTS TO THE RECORDING OF SAID PLAN AND TO THE DEDICATIONS AND ALL OTHER MATTERS APPEARING ON THE PLAN.

WITNESS

NAME, TITLE, AND MORTGAGE

OWNER'S ACCEPTANCE OF RESPONSIBILITY FOR PREVENTING STORMWATER DRAINAGE FACILITIES AND CONTROL OF STORMWATER DRAINAGE

KNOW ALL MEN BY THESE PRESENTS, THAT (I OR WE) _____ (NAME OF OWNER OR OWNERS) OF THE TOWNSHIP OF SOUTH FAYETTE, COUNTY OF ALLEGHENY CO., STATE OF PENNSYLVANIA, FOR OURSELVES, OUR HEIRS, EXECUTORS, ADMINISTRATORS AND ASSIGNS, AND FOR OUR GRANTEES AND THEIR SUCCESSORS PURCHASERS DO HEREBY ACCEPT FULL AND COMPLETE RESPONSIBILITY, LIABILITY, EXPENSE AND PROVISION OF FACILITIES FOR THE CONTROL OF STORMWATER DRAINAGE OVER, ACROSS AND THROUGH THIS SUBDIVISION OF LAND UNITS, SUCH AS (I OR WE), OUR HEIRS, EXECUTORS, ADMINISTRATORS AND ASSIGNS CONSTRUCT STORMWATER DRAINAGE FACILITIES IN ACCORDANCE WITH TOWNSHIP SPECIFICATIONS AND REQUIREMENTS AND THE SAME IS OFFICIALLY ACCEPTED BY ACTION OF THE BOARD OF SUPERVISORS AND DATE SUCH FORMAL ACCEPTANCE (I OR WE) FOR OURSELVES, OUR HEIRS, EXECUTORS, ADMINISTRATORS AND ASSIGNS DO HEREBY RELEASE THE TOWNSHIP OF SOUTH FAYETTE FROM ANY RESPONSIBILITY IN CONNECTION THEREWITH. THIS ACCEPTANCE OF RESPONSIBILITY SHALL BE BINDING UPON _____.

OUR HEIRS, EXECUTORS, ADMINISTRATORS AND ASSIGNS, AND ALL PURCHASERS OF LOTS IN THIS PLAN OF SUBDIVISION, IN WITNESS WHEREOF, (I OR WE) HEREOFUNTO SET OUR HAND AND SEALS THIS _____ DAY OF _____, A.D. 20____.

ATTEST: _____ (SEAL)

(OWNER OR OWNERS)

(OWNER OR OWNERS)

WITNESS MY HAND AND NOTARIAL SEAL THIS _____ DAY OF _____, A.D. 20____.

(NOTARY PUBLIC) (SEAL)

MUNICIPAL ENGINEER'S CERTIFICATION

I CERTIFY THAT THIS PLAN MEETS ALL ENGINEERING AND DESIGN REQUIREMENTS OF THE APPLICABLE ORDINANCES OF SOUTH FAYETTE TOWNSHIP, EXCEPT AS DEPARTURES HAVE BEEN AUTHORIZED BY THE APPROPRIATE OFFICIALS OF THE MUNICIPALITY.

DATE

NAME

REGISTRATION NUMBER

RECOMMENDATION OF THE SOUTH FAYETTE TOWNSHIP PLANNING COMMISSION

THIS PLAN OF LOTS HAS BEEN REVIEWED AND APPROVAL RECOMMENDED BY THE SOUTH FAYETTE TOWNSHIP PLANNING COMMISSION THIS _____ DAY OF _____, 20____, SUBJECT TO THE PROVISIONS AND/OR CONDITIONS IN THE PLANNING COMMISSION'S LETTER TO THE BOARD OF SUPERVISORS DATED _____, 20____.

SECRETARY

CHAIRMAN

ALLEGHENY COUNTY PLANNING COMMISSION REVIEW

THE COUNTY PLANNING COMMISSION IS REQUIRED TO REVIEW ALL SUBDIVISION PLANS. REVIEWED BY THE ALLEGHENY COUNTY PLANNING COMMISSION THIS _____ DAY OF _____, 20____.

SECRETARY

CHAIRMAN



4350 Northern Pike
Suite 141
Pittsburgh, PA 15146
Ph: 724.327.5200
www.cescinc.com

CEC
Civil & Environmental
Consultants, Inc.

DATE: 06/06/2025 DRAWN BY: CML
SCALE: AS SHOWN CHECKED BY: ALM
REVISIONS: 2 TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025
*HAND SIGNATURE FILE

REVISIONS:
2 TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY

3800 OLD OAKDALE RD MCDONALD, PA, 15057
3880 OLD OAKDALE RD SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT MCDONALD, PA, 15057

SITE CERTIFICATION

Proj No. 24-S45-018
Issue Date 06/06/2025

C202

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5/6/2025 12:49:08 PM Autodesk Docs (9/5/24-24.01) South Fayette S0704-S045-018 South Fayette SD - Bus Depot - Maintenance Building CENTRAL C202.rvt

ONE CALL SERIAL NO.:

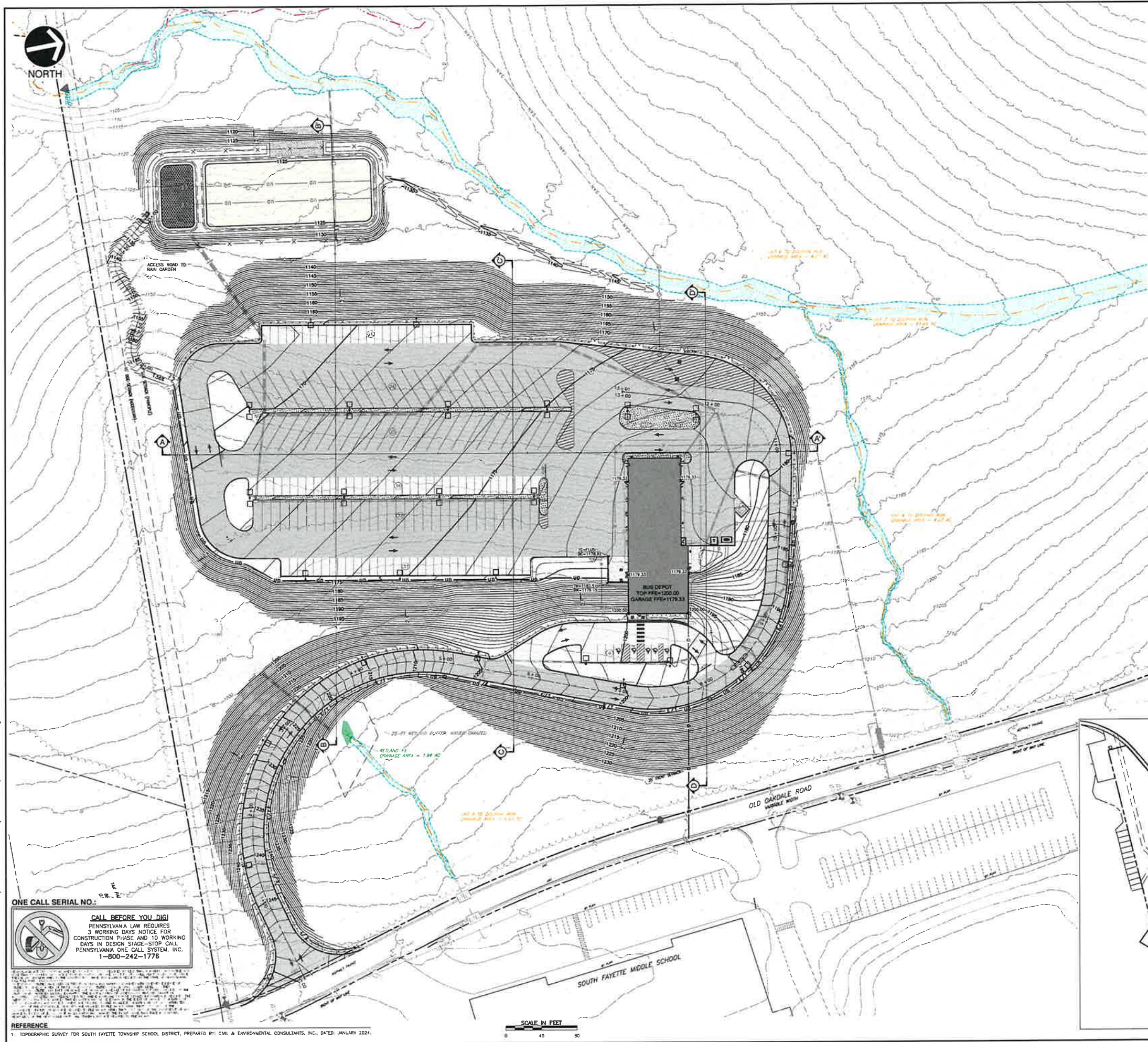
CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE-STOP CALL PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776

REFERENCE

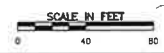
1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY: CML & ENVIRONMENTAL CONSULTANTS, INC., DATED: JANUARY 2024.

5/6/2025 12:49:08 PM Autodesk Docs (15/5/24) South Fayette SD/24-548-01B South Fayette SD - Bus Depot - Maintenance Building-CENTRAL R27.rvt



ONE CALL SERIAL NO.:
CALL BEFORE YOU DIG!
 PENNSYLVANIA LAW REQUIRES
 3 WORKING DAYS NOTICE FOR
 CONSTRUCTION PHASE AND 10 WORKING
 DAYS IN DESIGN STAGE—STOP CALL
 PENNSYLVANIA ONE CALL SYSTEM, INC.
 1-800-242-1775

REFERENCE
 1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY: CML & ENVIRONMENTAL CONSULTANTS, INC., DATED JANUARY 2024.



LEGEND

[Symbol]	EXISTING PROPERTY LINE
[Symbol]	EXISTING EASEMENT
[Symbol]	EXISTING RIGHT-OF-WAY
[Symbol]	EXISTING INDEX CONTOUR
[Symbol]	EXISTING INTERMEDIATE CONTOUR
[Symbol]	EXISTING FENCE LINE
[Symbol]	EXISTING DITCH FLOW LINE
[Symbol]	EXISTING STORM PIPE
[Symbol]	EXISTING WATER LINE
[Symbol]	EXISTING GAS LINE
[Symbol]	EXISTING OVERHEAD WIRE
[Symbol]	EXISTING TREE/SHADE
[Symbol]	SOIL
[Symbol]	WATER BOX (WATER VALVE)
[Symbol]	FIRE HYDRANT
[Symbol]	WATER MANHOLE
[Symbol]	WATER VALVE
[Symbol]	WATERLINE MARKER
[Symbol]	GAS LINE MARKER
[Symbol]	GUY WIRE
[Symbol]	GUY POLE
[Symbol]	EXISTING FIRM FLOODPLAIN
[Symbol]	EXISTING WETLAND
[Symbol]	BORING LOCATION
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[Symbol]	PROPOSED BUILDING
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[Symbol]	PROPOSED FENCE
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[Symbol]	PROPOSED SLOPE LABEL
[Symbol]	PROPOSED SPOT ELEVATION
[Symbol]	CURB ELEVATIONS



470 Washington Road, Pitsburgh, PA 15228
 412.551.7117 www.dracollective.com

JAMES KEITH FRENCH
 ENGINEER
 No. 0000000000

4330 Northern Pike
 Suite 141
 Monroeville, PA 15146
 Ph: 724.327.5200
 www.cecinc.com

REVISIONS
 1. TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025
 2. TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

DATE: 08/06/2025
 SCALE: AS SHOWN
 DESIGNED BY: AMW
 CHECKED BY: JEF
 APPROVED BY: JEF
 *HARD SIGNATURE ON FILE

TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
 3880 OLD OAKDALE RD MCDONALD, PA, 15057
 SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD
 MCDONALD, PA, 15057

Proj No. 24-548-01B
 Issue Date 05/06/2025

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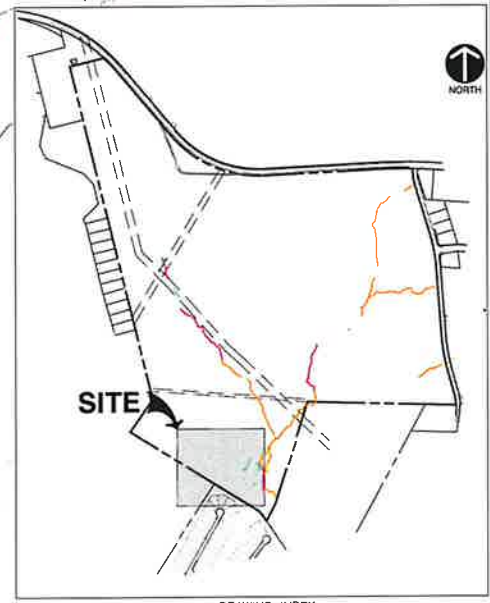
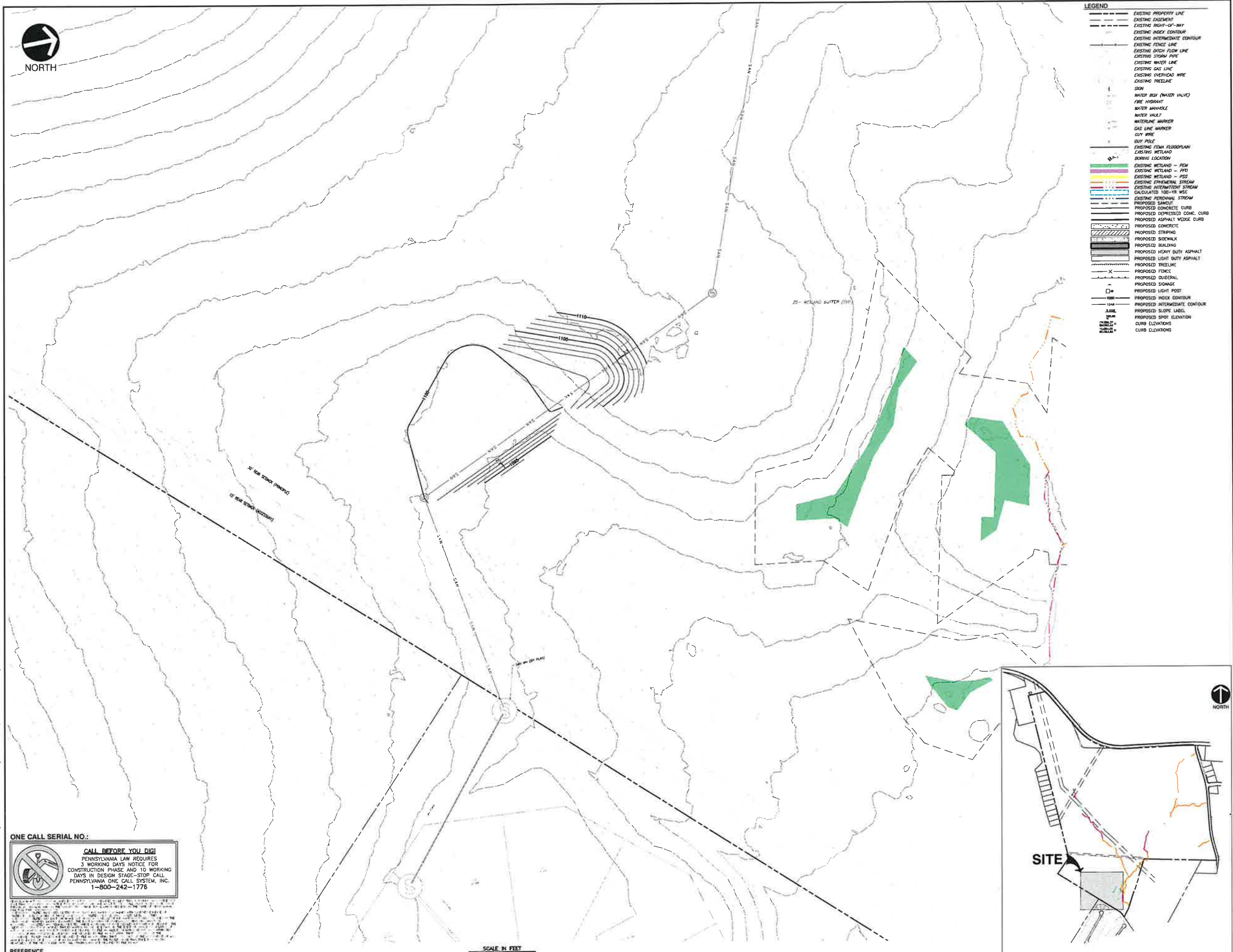
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GRADING PLAN

DRAWING INDEX



LEGEND	
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	EXISTING RIGHT-OF-WAY
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	EXISTING FENCE LINE
	EXISTING DITCH FLOW LINE
	EXISTING STORM PIPE
	EXISTING WATER LINE
	EXISTING GAS LINE
	EXISTING OVERHEAD WIRE
	EXISTING TREELINE
	SIGN
	WATER BOX (WATER VALVE)
	FIRE HYDRANT
	WATER MANHOLE
	WATER VAULT
	WATERLINE MARKER
	GAS LINE MARKER
	GUY WIRE
	GUY POLE
	EXISTING FERN FLOODPLAIN
	EXISTING WETLAND
	BORING LOCATION
	EXISTING WETLAND - PFO
	EXISTING WETLAND - PFO
	EXISTING WETLAND - PFO
	EXISTING EPHEMERAL STREAM
	EXISTING INTERMITTENT STREAM
	CALCULATED 100-YR WISE
	EXISTING PERENNIAL STREAM
	PROPOSED SANITARY
	PROPOSED CONCRETE CURB
	PROPOSED DEPRESSED CONC. CURB
	PROPOSED ASPHALT NOISE CURB
	PROPOSED CONCRETE
	PROPOSED STRIPING
	PROPOSED SIDEWALK
	PROPOSED BUILDING
	PROPOSED HEAVY DUTY ASPHALT
	PROPOSED LIGHT DUTY ASPHALT
	PROPOSED TREELINE
	PROPOSED FENCE
	PROPOSED DIVISION
	PROPOSED SEWAGE
	PROPOSED LIGHT POST
	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	PROPOSED SLOPE LABEL
	PROPOSED SPOT ELEVATION
	CURB ELEVATIONS
	CURB ELEVATIONS



ONE CALL SERIAL NO:

CALL BEFORE YOU DIG!
 PENNSYLVANIA LAW REQUIRES
 3 WORKING DAYS NOTICE FOR
 CONSTRUCTION PHASE AND 10 WORKING
 DAYS IN DESIGN STAGE-STOP CALL
 PENNSYLVANIA ONE CALL SYSTEM, INC.
 1-800-242-1776

REFERENCE
 1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY: CML & ENVIRONMENTAL CONSULTANTS, INC., DATED: JANUARY 2024.



DRAW COLLECTIVE
 470 Washington Road, Pitsburgh, PA 15228
 412.951.7117 www.drawcollective.com



4350 Northern Pike
 Suite 141
 Homersville, PA 15146
 Pht: 724.327.5200
 www.ccecinc.com
CCEC
 Civil & Environmental
 Consultants, Inc.

DATE	BY	DESCRIPTION
08/08/2025	AMR	ISSUED FOR PERMIT
08/08/2025	AMR	DESIGN COMPLETE
08/08/2025	AMR	APPROVED BY
08/08/2025	AMR	APPROVED BY

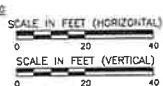
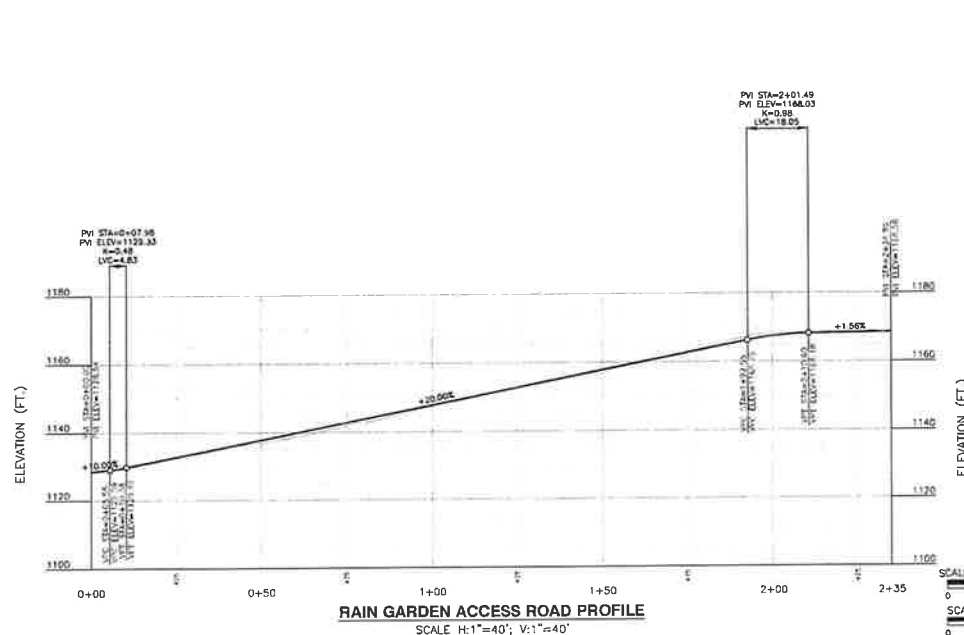
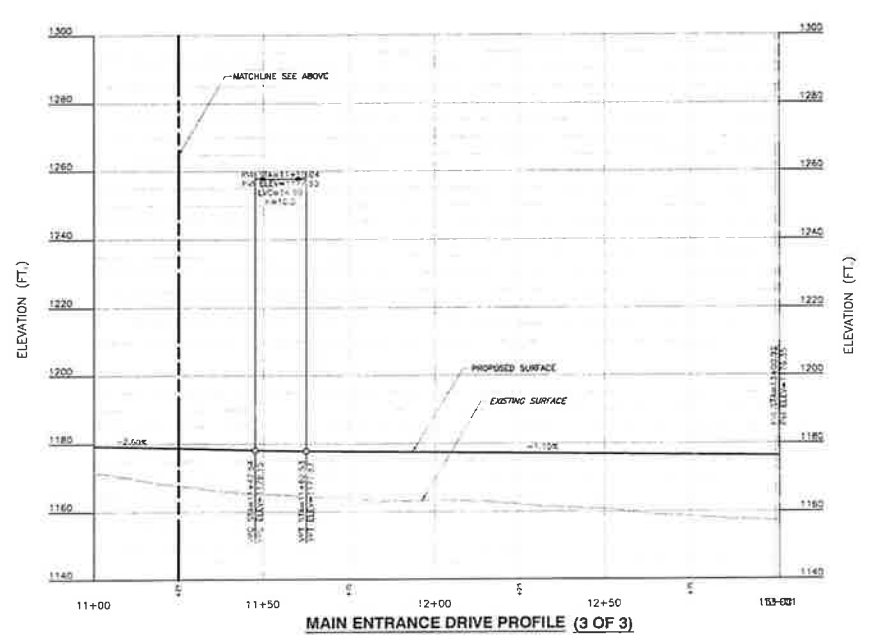
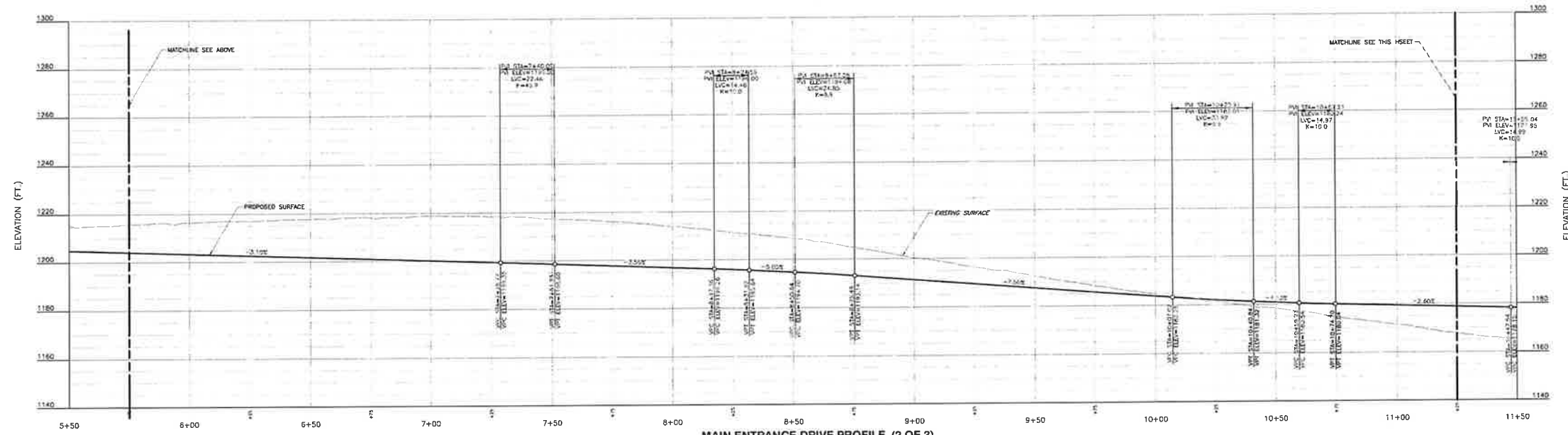
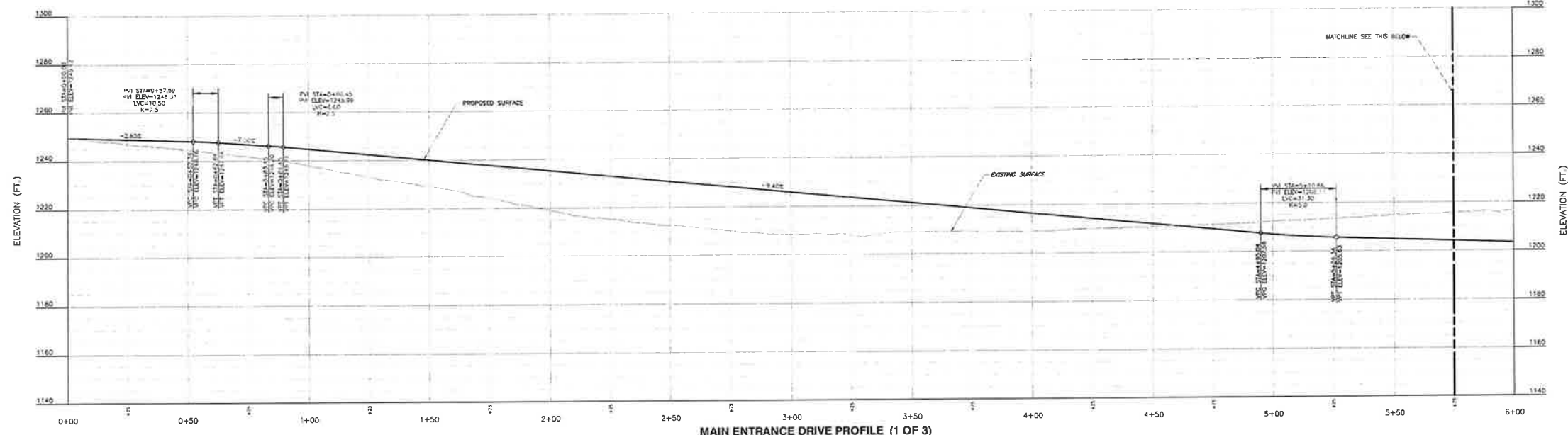
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 2. TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025
 TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
 3800 OLD OAKDALE RD MCDONALD, PA, 15057
 SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3800 OLD OAKDALE RD
 MCDONALD, PA, 15057
SANITARY SEWER BENCH GRADING PLAN

Proj No. 24-546-01B
 Issue Date: 08/08/2025
C301
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REFERENCE
1 TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC., DATED JANUARY 2024.



4350 Northern Pike
Suite 141
Monroeville, PA 15146
Ph: 724.327.5200
www.cecinc.com

CEE
Civil & Environmental
Consultants, Inc.

NO.	DATE	BY	DESCRIPTION
1	08/08/2025	ASB	ISSUED FOR PERMIT
2	08/08/2025	ASB	ISSUED FOR PERMIT

REVISIONS
1 ASB 08/08/2025
2 ASB 08/08/2025

TOWNSHIP AND AGED COMMENT LETTER AUGUST 4, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3680 OLD OAKDALE RD MCDONALD, PA, 15057
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD
MCDONALD, PA, 15057

ROADWAY PROFILE

FIG NO. 24-548-01B
Issue Date 08/08/2025

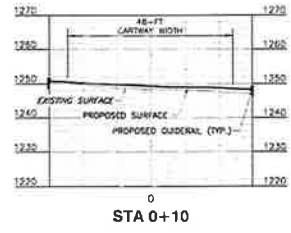
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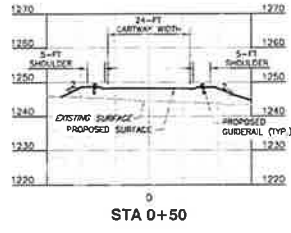
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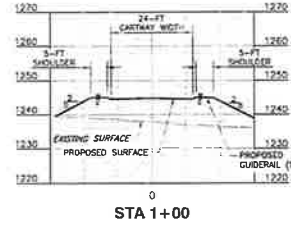
1 TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY: CIVIL & ENVIRONMENTAL CONSULTANTS, INC., DATED JANUARY 2024



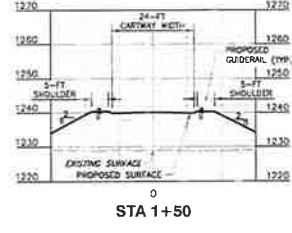
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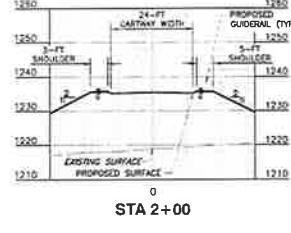
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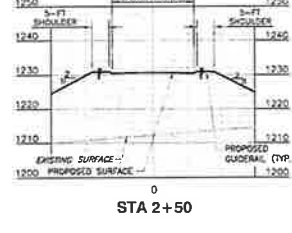
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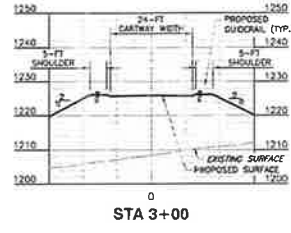
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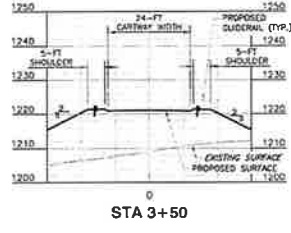
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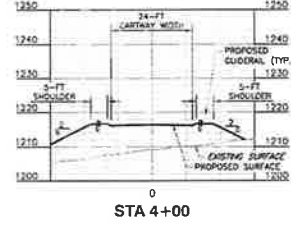
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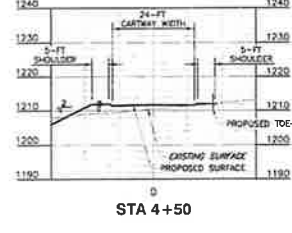
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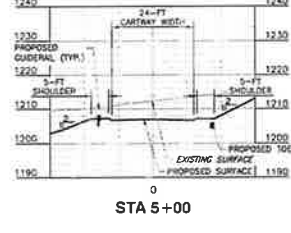
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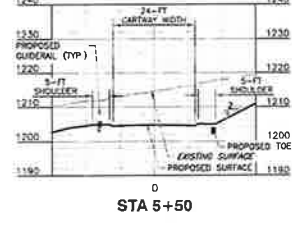
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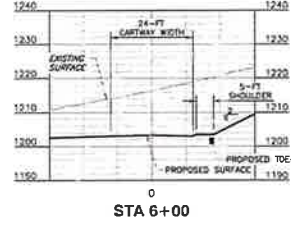
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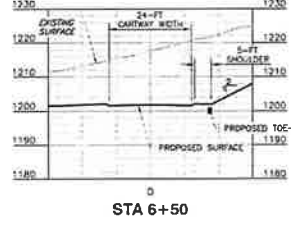
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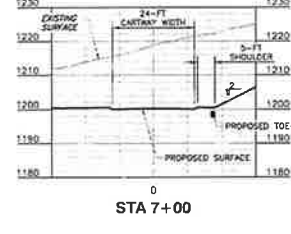
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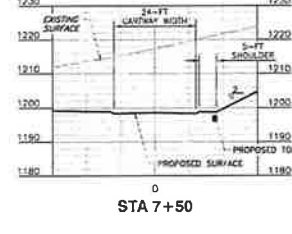
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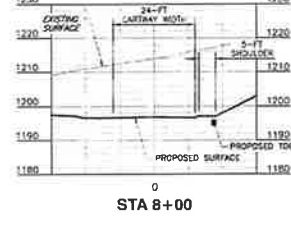
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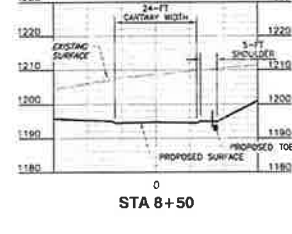
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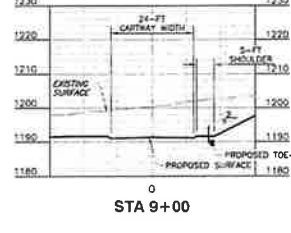
STA 7+50



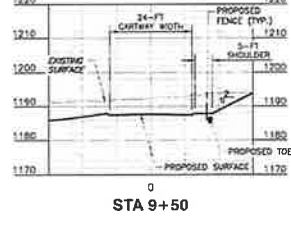
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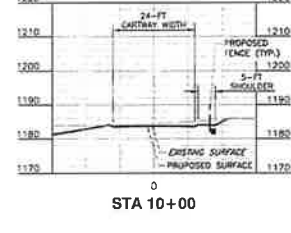
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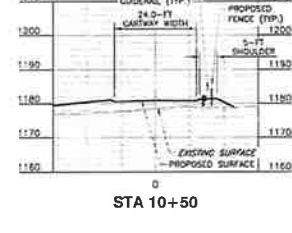
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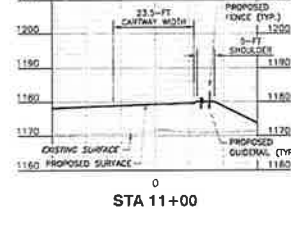
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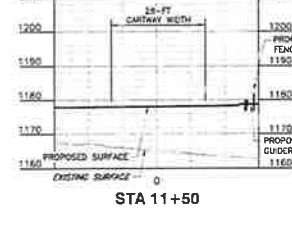
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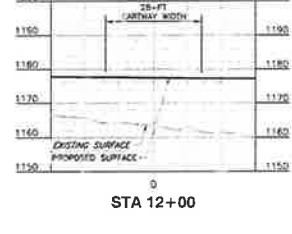
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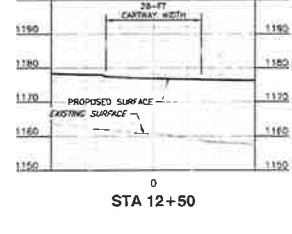
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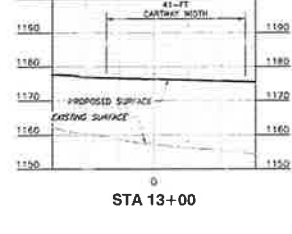
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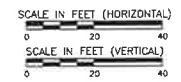
STA 12+00



STA 12+50



STA 13+00



NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY

3680 OLD OAKDALE RD MCDONALD, PA, 15057
 SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD
 MCDONALD, PA, 15057

C303

Proj No. 24-549-01B
 Issue Date 09/09/2025

ROADWAY CROSS SECTIONS

REVISIONS
 1. TOPOGRAPHIC SURVEY LETTERS: 11/15/24, 02/25/25
 2. TOWNSHIP AND FACED COMMENT LETTERS: AUGUST 14, 2025

NO.	DATE	BY	CHKD.	APP.
1	11/15/24	JM	JM	JM
2	02/25/25	JM	JM	JM

TOWNSHIP AND FACED COMMENT LETTER: AUGUST 14, 2025

4350 Northern Pike
 Suite 141
 Monroeville, PA 15146
 Ph: 724.327.5200
 www.ccecinc.com

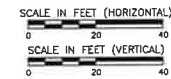
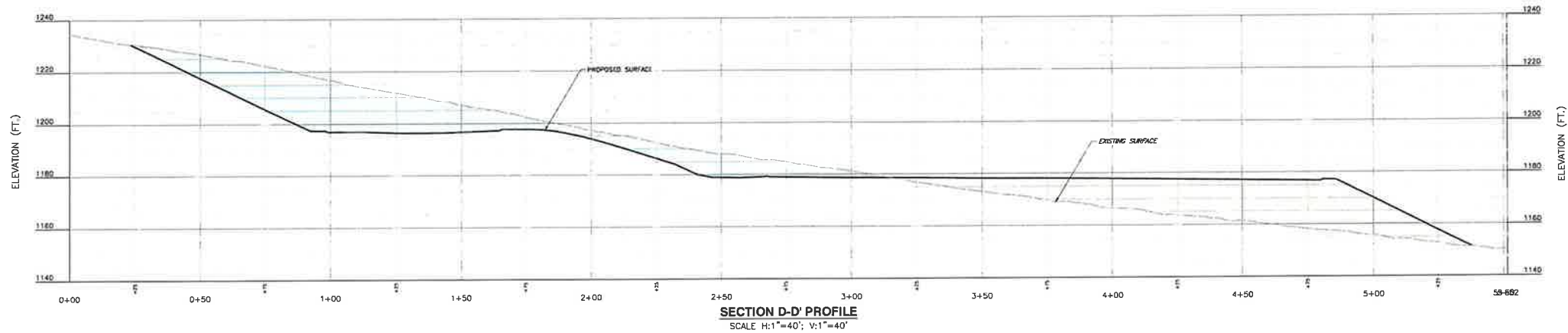
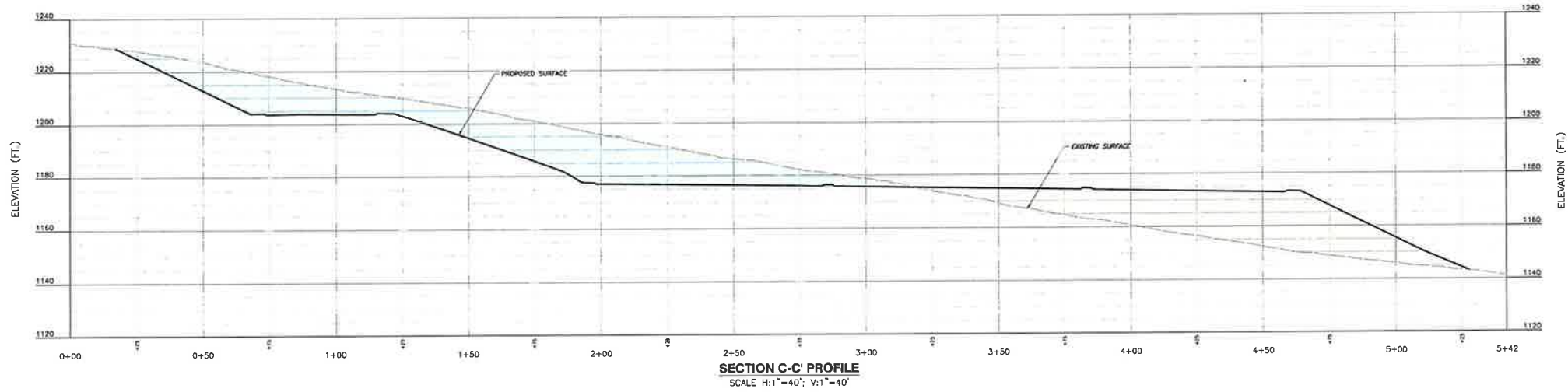
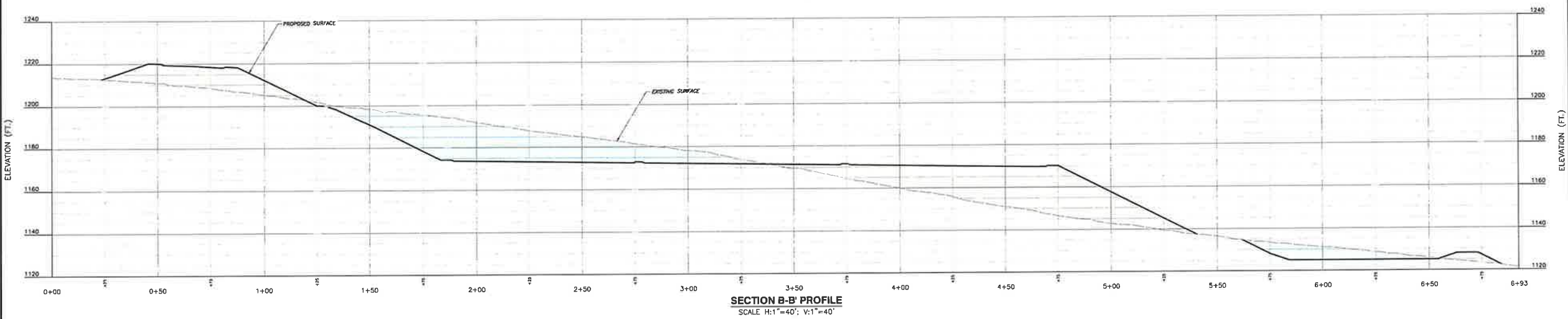
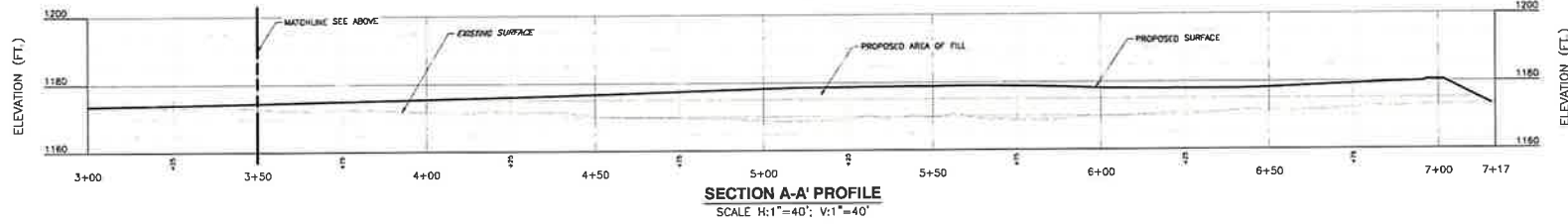
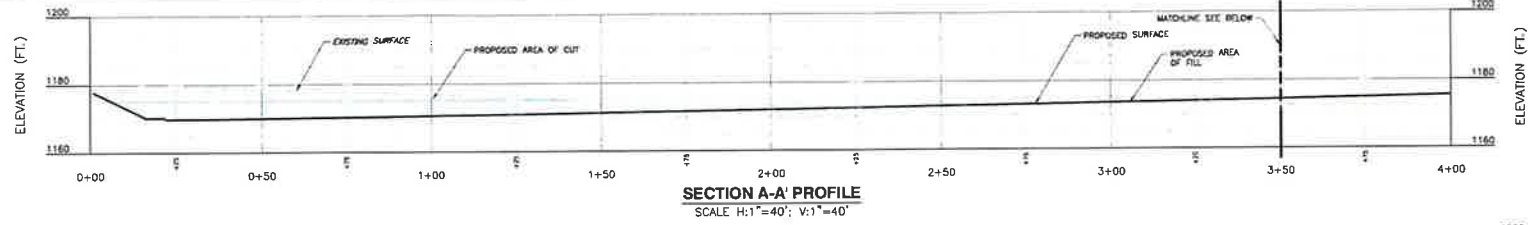


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5/20/25 12:49:38 PM Autodesk Docs://S/S/24-01 South Fayette SD/24-519-01B South Fayette SD - Bus Depot - Maintenance Building CENTRAL R23.rvt

REFERENCE

1 TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY: CIVIL & ENVIRONMENTAL CONSULTANTS, INC., DATED: JANUARY 2024



Proj No. 24-519-01B
Issue Date 06/05/2025

C304

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2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3600 OLD OAKDALE RD MCDONALD, PA, 15057
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD
MCDONALD, PA, 15057

SITE CROSS SECTION

REVISIONS
2 TOWNSHIP AND ACED COMMENT LETTER AUGUST 1, 2025

TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

DATE	06/05/2025	DESIGNED BY	AMM
SCALE	AS SHOWN	CHECKED BY	AMM
PROJECT	C304	APPROVED BY	AMM
HAND SIGNATURE ONLY			

CEC
Civil & Environmental
Consultants, Inc.

4350 Northern Pike
Suite 141
Pittsboro, PA 15146
Ph: 724.327.5200
www.cecinc.com



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5/6/2025 12:49:08 PM Autodesk Docs/1525/24/01 South Fayette 53704/549/01B South Fayette SD - Bus Depot - Maintenance Building CENTRAL 1/22.rvt

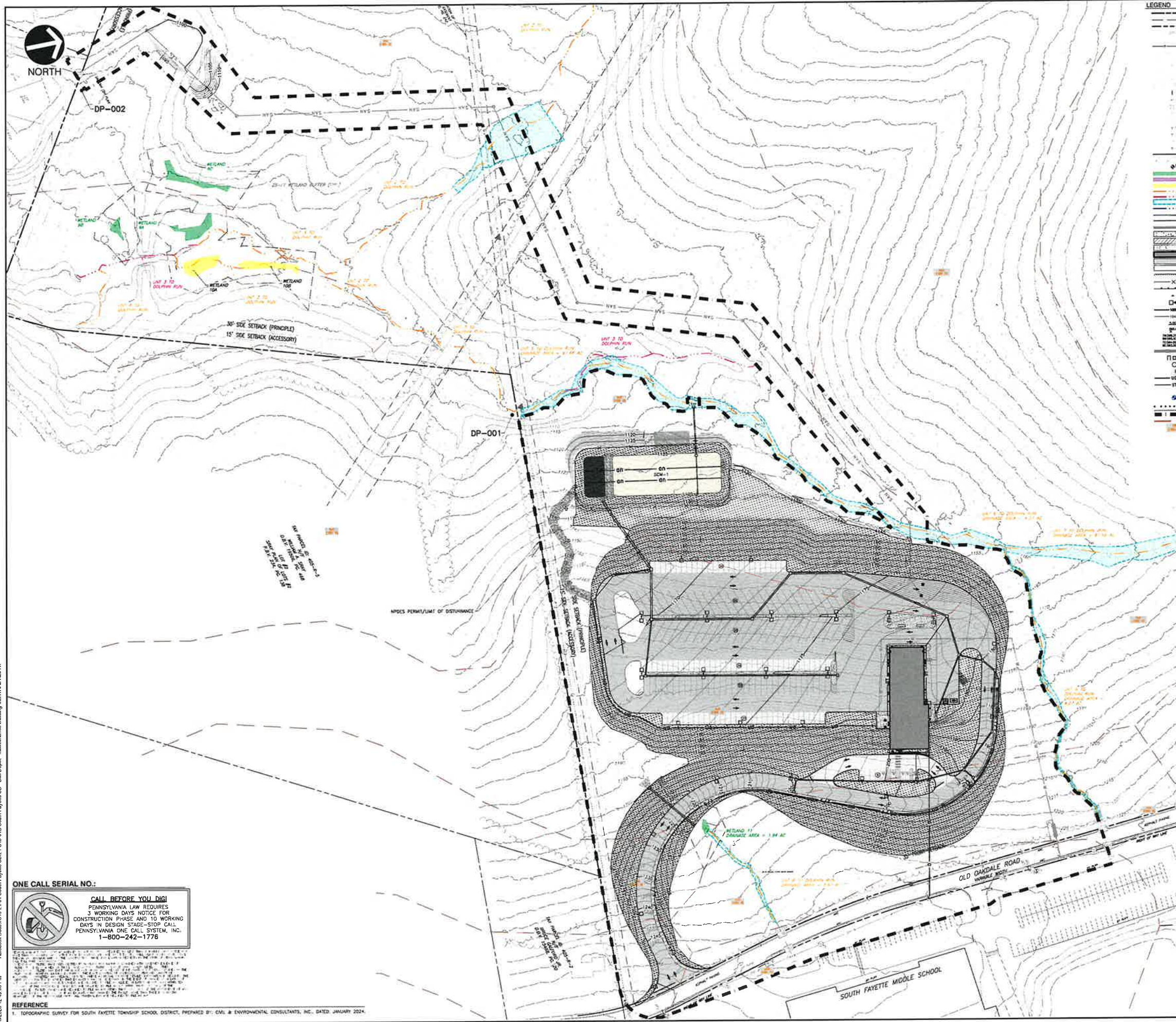
ONE CALL SERIAL NO.:



CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 10 WORKING
DAYS IN DESIGN STAGE-STOP CALL
PENNSYLVANIA ONE CALL SYSTEM, INC.
1-800-242-1776

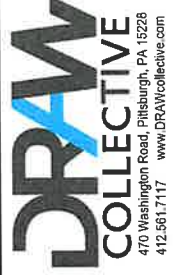
REFERENCE

1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY: CAE & ENVIRONMENTAL CONSULTANTS, INC., DATED JANUARY 2024.



LEGEND

[Symbol]	EXISTING PROPERTY LINE
[Symbol]	EXISTING EASEMENT
[Symbol]	EXISTING RIGHT-OF-WAY
[Symbol]	EXISTING INDEX CONTOUR
[Symbol]	EXISTING INTERMEDIATE CONTOUR
[Symbol]	EXISTING FENCE LINE
[Symbol]	EXISTING DITCH FLOW LINE
[Symbol]	EXISTING STORM PIPE
[Symbol]	EXISTING WATER LINE
[Symbol]	EXISTING GAS LINE
[Symbol]	EXISTING OVERHEAD WIRE
[Symbol]	EXISTING TREELINE
[Symbol]	50% WATER BOX (WATER VALVE)
[Symbol]	FIRE HYDRANT
[Symbol]	WATER MANHOLE
[Symbol]	WATER WALE
[Symbol]	WATERLINE MARKER
[Symbol]	GAS LINE MARKER
[Symbol]	GUY WIRE
[Symbol]	GUY POLE
[Symbol]	EXISTING FEMA FLOODPLAIN
[Symbol]	EXISTING WETLAND
[Symbol]	BORING LOCATION
[Symbol]	EXISTING WETLAND - P01
[Symbol]	EXISTING WETLAND - P02
[Symbol]	EXISTING WETLAND - P03
[Symbol]	EXISTING PERENNIAL STREAM
[Symbol]	EXISTING INTERMITTENT STREAM
[Symbol]	CALCULATED 100-YR WSE
[Symbol]	EXISTING PERENNIAL STREAM
[Symbol]	PROPOSED DEPRESSION CURB
[Symbol]	PROPOSED ASPHALT WEDGE CURB
[Symbol]	PROPOSED CONCRETE
[Symbol]	PROPOSED STURDIO
[Symbol]	PROPOSED SIDEWALK
[Symbol]	PROPOSED BUILDING
[Symbol]	PROPOSED HEAVY DUTY ASPHALT
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[Symbol]	PROPOSED FENCE
[Symbol]	PROPOSED GUIDANCE
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[Symbol]	PROPOSED INLET TYPES
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[Symbol]	PROPOSED UNDERDRAN
[Symbol]	PROPOSED SINGLE LINE STORM PIPE
[Symbol]	PROPOSED TIE DRAIN
[Symbol]	INFILTRATION TEST LOCATION
[Symbol]	SWP DRAINAGE AREA
[Symbol]	WIPES PERMIT/LIMIT OF DISTURBANCE
[Symbol]	SOIL BOUNDARY TYPE
[Symbol]	HSG SOIL NAME



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CEC
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Consultants, Inc.

DATE	DESCRIPTION	BY	APP
08/01/2025	ISSUED FOR PERMIT	AM	AM
07/11/2025	REVISED	AM	AM
07/11/2025	REVISED	AM	AM

1. HAND SIGNATURE ON FILE

REVISIONS:
1. REVISIONS AND COMMENTS: JULY 11, 2025
2. TOWNSHIP AND AGED COMMENT LETTER AUGUST 1, 2025

TOWNSHIP AND AGED COMMENT LETTER AUGUST 4, 2025

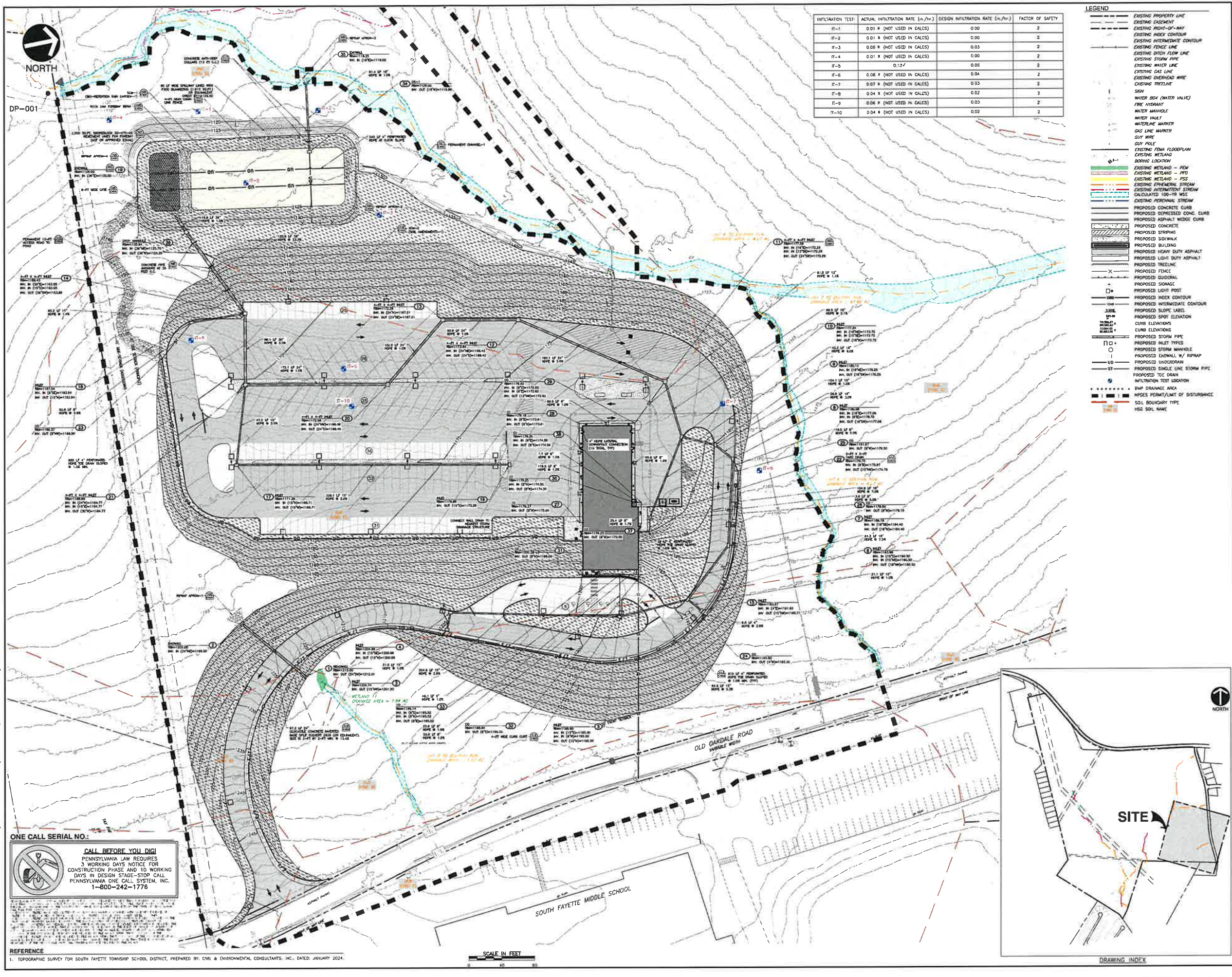
NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3600 OLD OAKDALE RD MCDONALD, PA, 15057
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD
MCDONALD, PA, 15057

OVERALL STORMWATER MANAGEMENT PLAN

Proj No. 24-S49-01B
Issue Date 06/06/2025

C400A

c:\penn\mcc
2025



INFILTRATION TEST	ACTUAL INFILTRATION RATE (in/hr)	DESIGN INFILTRATION RATE (in/hr)	FACTOR OF SAFETY
IT-1	0.01 # (NOT USED IN CALCS)	0.00	2
IT-2	0.01 # (NOT USED IN CALCS)	0.00	2
IT-3	0.05 # (NOT USED IN CALCS)	0.03	2
IT-4	0.01 # (NOT USED IN CALCS)	0.00	2
IT-5	0.12 #	0.05	2
IT-6	0.06 # (NOT USED IN CALCS)	0.04	2
IT-7	0.07 # (NOT USED IN CALCS)	0.03	2
IT-8	0.04 # (NOT USED IN CALCS)	0.02	2
IT-9	0.06 # (NOT USED IN CALCS)	0.03	2
IT-10	0.04 # (NOT USED IN CALCS)	0.02	2

LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- EXISTING RIGHT-OF-WAY
- EXISTING INDEX CONTOUR
- EXISTING INTERMITTENT CONTOUR
- EXISTING FENCE LINE
- EXISTING DITCH FLOW LINE
- EXISTING STORM PIPE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING OVERHEAD WIRE
- EXISTING TRESTLE
- SHOW
- METER BOX (WATER VALVE)
- FIRE HYDRANT
- WATER MANHOLE
- WATER VAULT
- WATERLINE MARKER
- GAS LINE MARKER
- GUY WIRE
- GUY POLE
- EXISTING FEMA FLOODPLAIN
- EXISTING WETLAND
- BORING LOCATION
- EXISTING WETLAND - PEM
- EXISTING WETLAND - PFD
- EXISTING WETLAND - PSD
- EXISTING PERMANENT STREAM
- EXISTING INTERMITTENT STREAM
- CALCULATED 100-YR WEE
- EXISTING PERENNIAL STREAM
- PROPOSED CONCRETE CURB
- PROPOSED DEPRESSION CONC. CURB
- PROPOSED ASPHALT WEDGE CURB
- PROPOSED CONCRETE
- PROPOSED STRIPING
- PROPOSED SIDEWALK
- PROPOSED BUILDING
- PROPOSED SUBSIDIARY
- PROPOSED SCENIC
- PROPOSED LIGHT POST
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED SLOPE LABEL
- PROPOSED SPOT ELEVATION
- CURB ELEVATIONS
- CURB ELEVATIONS
- PROPOSED STORM PIPE
- PROPOSED MILEY TYPES
- PROPOSED STORM MANHOLE
- PROPOSED ENDWALL W/ RIRAP
- PROPOSED UNDERDRAIN
- PROPOSED SINGLE LINE STORM PIPE
- PROPOSED TIE DRAIN
- INFILTRATION TEST LOCATION
- BMP DRAINAGE AREA
- NPDES PERMIT/LIMIT OF DISTURBANCE
- SOIL BOUNDARY TYPE
- HGS SOIL NAME

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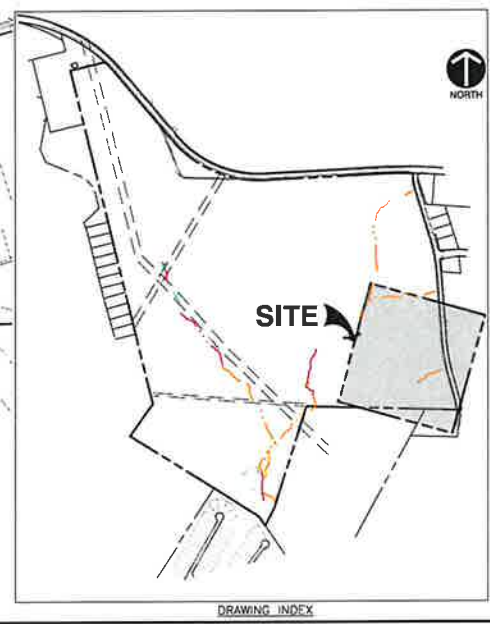
REVISED: 08/06/2025
DATE: 08/06/2025
BY: [Signature]
CHECKED: [Signature]
SCALE: AS SHOWN
TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

ONE CALL SERIAL NO.:

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 10 WORKING
DAYS IN DESIGN STAGE-STOP CALL
PENNSYLVANIA ONE CALL SYSTEM, INC.
1-800-242-1776

REFERENCE
1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY: CMI & ENVIRONMENTAL CONSULTANTS, INC., DATED: JANUARY 2024.

SCALE IN FEET
0 20 40 60 80



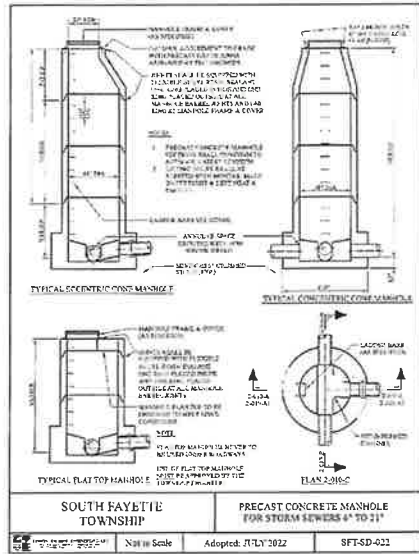
NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3800 OLD OAKDALE RD MCDONALD, PA. 15057
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3800 OLD OAKDALE RD
MCDONALD, PA. 15057

STORMWATER MANAGEMENT PLAN

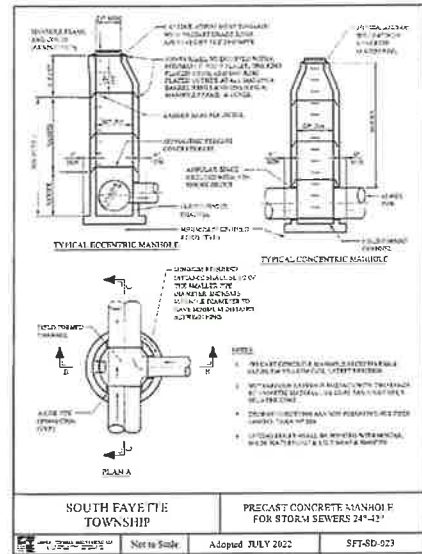
Proj No. 24-549-01B
Issue Date: 08/06/2025
C400B
c 2025

TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

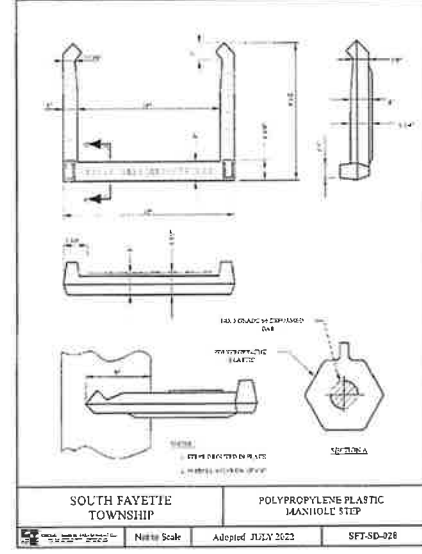
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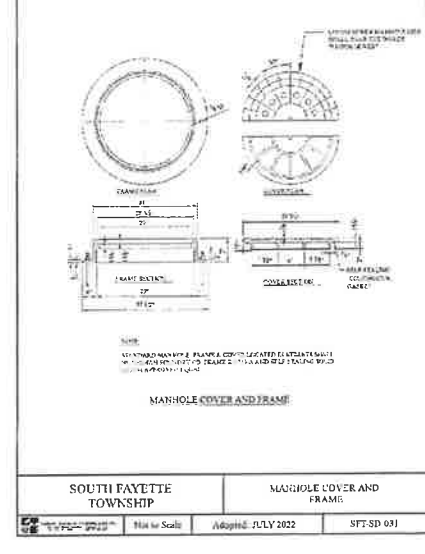
DETAIL 401
MANHOLE (6" TO 21" PIPES)
N.T.S.



DETAIL 402
MANHOLE (24" TO 42" PIPES)
N.T.S.



DETAIL 403
MANHOLE STEPS
N.T.S.



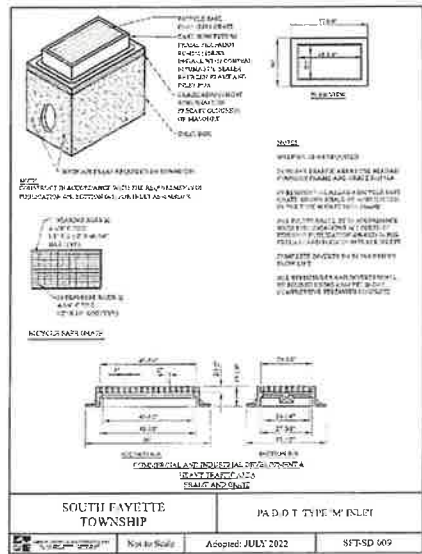
DETAIL 404
MANHOLE COVER AND FRAME
N.T.S.

TYPICAL PRE-CAST CONCRETE MANHOLE NOTES

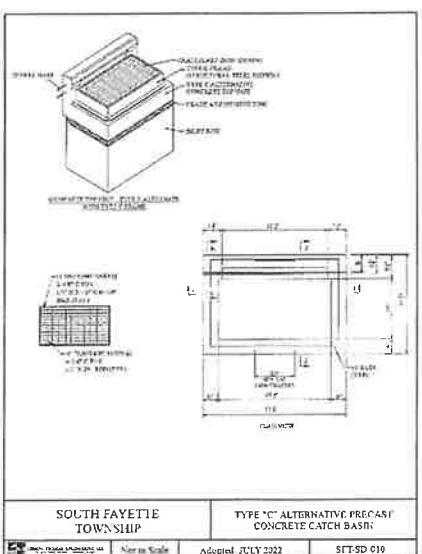
- NOTES:**
- CONSTRUCT IN ACCORDANCE WITH THE REQUIREMENTS OF COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION (PENNDOT) PUBLICATION 408, SECTION 605.
 - REFER TO PENNDOT BUREAU OF HIGHWAY DESIGN STANDARDS FOR ROADWAY CONSTRUCTION SERIES RC-10 TO RC-100 SHEETS 1 THROUGH 9 OF RC-34 FOR DETAILS OF THE MANHOLE SECTIONS, GRADE ADJUSTMENT RINGS, STEPS, FRAMES AND COVERS. REFER TO THE BOROUGHS STANDARDS FOR SANITARY SEWER MANHOLE FRAMES AND COVERS.
 - ALL CONCRETE USED TO CONSTRUCT THE MANHOLES SHALL BE CLASS AA, AND SATISFY THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 704.
 - ALL REINFORCEMENT STEEL USED TO CONSTRUCT THE MANHOLES SHALL BE ASTM-A615, GRADE 60, DEFORMED OR PLAN STEEL BARS, AND SATISFY THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 709.1 AND 709.2 (IF APPLICABLE).
 - PRE-CAST REINFORCED CONCRETE MANHOLE SECTIONS AND GRADE ADJUSTMENT RINGS SHALL CONFORM TO THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 714, AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI.
 - ALL FRAMES AND COVERS/GRATES FOR STORM SEWER MANHOLES SHALL BE NON-RUCKING AND MADE OF HEAVY DUTY CAST IRON AND SATISFY THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 605.2(a). ALL FRAMES SHALL BE SET IN A FULL BED OF MORTAR AND ANCHORED TO THE CONCRETE TOP SECTION USING MASONRY ANCHOR BOLTS ON OPPOSITE SIDES. REFER TO THE MUNICIPALITY'S STANDARDS FOR SANITARY SEWER MANHOLE FRAMES AND COVERS. ALL SANITARY SEWER MANHOLE FRAMES AND COVERS SHALL BE WATER-TIGHT. ALL STORM SEWER MANHOLE COVERS SHALL BE LABELED "STORM" AND ALL SANITARY SEWER MANHOLE COVERS SHALL BE LABELED "SANITARY".
 - ALL GRADE ADJUSTMENT RINGS SHALL BE OF MASONRY OR PRECAST CONCRETE CONSTRUCTION.
 - A RUBBER GASKET THAT SATISFIES THE REQUIREMENTS OF ASTM C-443 SHALL BE INSTALLED BETWEEN ALL STORM SEWER MANHOLE SECTIONS. INSTALL TWO CONTINUOUS RINGS OF BITUMINOUS MASTIC THAT SATISFY ASTM C-443 AT EACH JOINT FOR SANITARY SEWER MANHOLES.
 - ALL MANHOLE SECTIONS SHALL BE SET IN PLACE IN NON-SHRINK MORTAR OR BITUMINOUS MATERIAL.
 - ALL MANHOLES SHALL HAVE LADDER RUNGS, SPACED 12 INCHES APART, TO FACILITATE ACCESS TO THE MANHOLE. ALL LADDER RUNGS SHALL BE MINIMUM NO. 3 REINFORCING BARS THAT ARE COATED WITH COPOLYMER POLYPROPYLENE PLASTIC THAT MEET THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 605.2(c). ALL LADDER RUNGS MUST MEET THE PERFORMANCE CRITERIA OF ASTM C478.
 - A MINIMUM OF 12 IN. OF ASHED #57 STONE SHALL BE USED AS BEDDING FOR THE MANHOLES. THE ASHED #57 STONE SHALL BE PLACED IN MAXIMUM 8-INCH THICK LISTS AND COMPACTED TO AT LEAST 92% OF ITS RELATIVE DENSITY. ALL ASHED #57 STONE SHALL BE CRUSHED LIMESTONE AND SATISFY THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 703. ALL SOIL BACKFILL PLACED AROUND THE MANHOLES, AND ABOVE THE BEDDING, SHALL BE PLACED IN MAXIMUM 8-INCH THICK LISTS AND COMPACTED TO AT LEAST 92% OF ITS MAXIMUM DRY DENSITY AND WITHIN 3 IN. OF ITS OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR).
 - A FLEXIBLE RUBBER MANHOLE SLEEVE OR BOOT SHALL BE INSTALLED IN THE PIPE OPENING FOR THE SANITARY SEWER MANHOLES. THE SANITARY SEWER PIPE SHALL BE SECURED TO THE SLEEVE/BOOT USING STAINLESS STEEL STRAPPING UNDER INSTALLATION. ANNUAL AREA BETWEEN PIPE OPENING AND CONCRETE BASE SHALL BE RAMMED WITH EMBEDO GROUT.
 - USE A 5 FOOT IN-SIDE DIAMETER MANHOLE FOR INCOMING OR OUTGOING PIPE SIZES 36 INCHES OR LARGER IN DIAMETER.

INLET ASSEMBLY NOTES

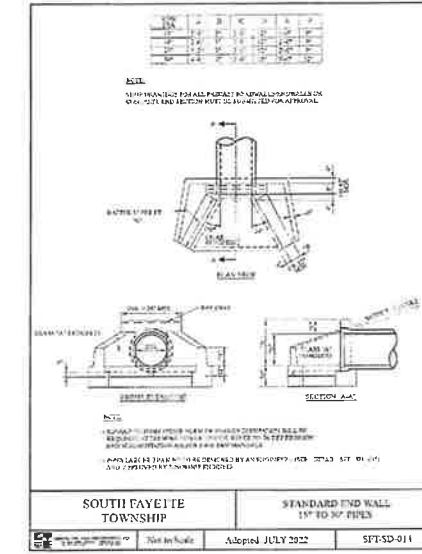
- NOTES:**
- INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF PENNDOT PUBLICATION 408 SPECIFICATIONS, SECTIONS 605, 606, AND 714.
 - REFER TO PENNDOT BUREAU OF HIGHWAY DESIGN STANDARDS FOR ROADWAY CONSTRUCTION SERIES RC-10 TO RC-100 SHEETS 1 THROUGH 9 OF RC-34 FOR DETAILS OF THE CAST IRON FRAMES AND GRATES, CONCRETE TOP UNITS, GRADE ADJUSTMENT RINGS, AND INLET BOXES.
 - ALL CONCRETE USED TO CONSTRUCT THE STORM SEWER INLETS SHALL BE CLASS AA, AND SATISFY THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 704.
 - ALL REINFORCEMENT STEEL USED TO CONSTRUCT THE STORM SEWER INLETS SHALL BE ASTM-A615 GRADE 60 DEFORMED OR PLAN STEEL BARS, AND SATISFY THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 709.1 AND 709.2 (IF APPLICABLE).
 - PRE-CAST REINFORCED CONCRETE STORM SEWER INLET BOXES, CONCRETE TOP UNITS, AND GRADE ADJUSTMENT RINGS SHALL CONFORM TO THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 714, AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI.
 - ALL FRAMES AND GRATES SHALL BE NON-RUCKING AND MADE OF HEAVY DUTY CAST IRON, AND SATISFY THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 605.2(a). ALL CASTINGS SHALL BE SET IN A FULL BED OF MORTAR.
 - ALL GRADE ADJUSTMENT RINGS SHALL BE OF MASONRY OR PRECAST CONCRETE CONSTRUCTION.
 - ALL INLETS SHALL BE SIZED TO ACCOMMODATE THE REQUIRED PIPE SIZE. REFER TO SHEET 6 OF 9 OF PENNDOT STANDARDS FOR ROADWAY CONSTRUCTION RC-34.
 - ALL STORM SEWER INLETS SHALL HAVE WEEP HOLES AT AN ELEVATION WHICH PERMITS DRAINAGE OF THE PAVEMENT AGGREGATE BASE COURSE. THE DIAMETER OF THE WEEP HOLES SHOULD BE LIMITED SO AS NOT TO ALLOW THE CRUSHED STONE TO "WASH" INTO THE INLET.
 - ALL BACKFILL PLACED AROUND THE STORM SEWER INLETS SHALL BE ASHED NO. 57 CRUSHED LIMESTONE AGGREGATE MEETING THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 703. THE AGGREGATE SHALL BE PLACED IN MAXIMUM 8 IN. THICK LISTS AND COMPACTED TO A POINT OF NON-MOVEMENT BENEATH THE COMPACTION EQUIPMENT.
 - PAVER PAVEMENT INTO STORM SEWER INLETS AS SHOWN IN DETAIL 404 ON THIS SHEET.



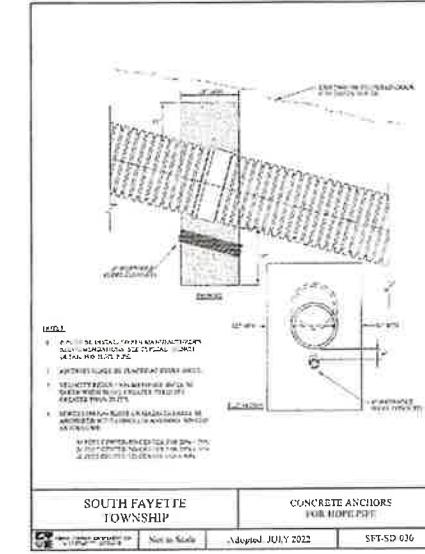
DETAIL 405
PADOT TYPE M INLET
N.T.S.



DETAIL 406
PADOT MODIFIED TYPE C INLET
N.T.S.



DETAIL 407
ENDWALL
N.T.S.



DETAIL 408
CONCRETE ANCHORS FOR HDPE PIPES
N.T.S.

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
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SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD MCDONALD, PA, 15057

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Issue Date 08/09/2025
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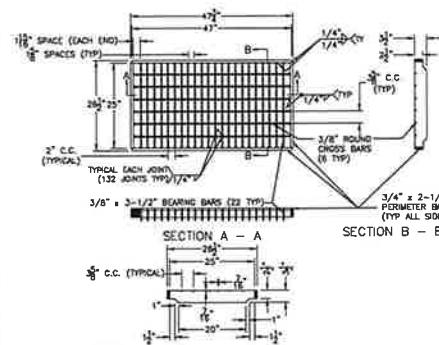
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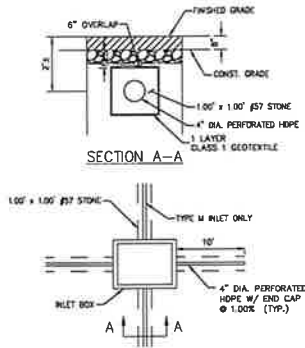
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DATE	DESCRIPTION
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08/09/2025	ISSUED FOR CONSTRUCTION
08/09/2025	ISSUED FOR CONSTRUCTION

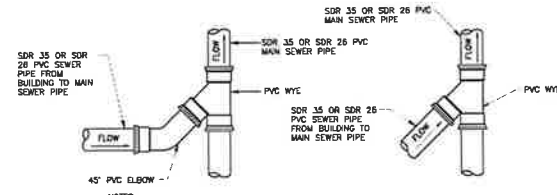
TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025



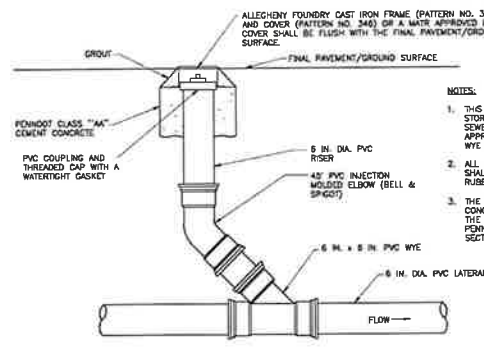
DETAIL 409
BICYCLE SAFE GRATE
N.T.S.



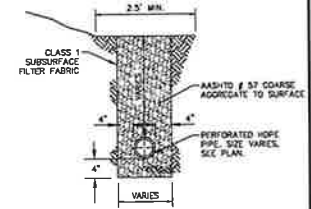
DETAIL 410
FINGER DRAINS
N.T.S.



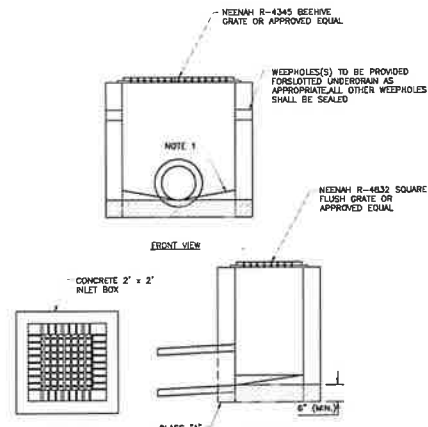
DETAIL 411
WYE CONNECTION
N.T.S.



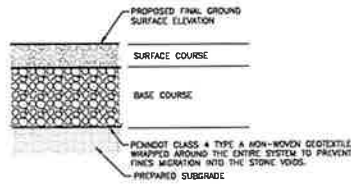
DETAIL 412
STORM AND SANITARY SEWER CLEANOUT
N.T.S.



DETAIL 413
TOE DRAIN DETAIL
N.T.S.



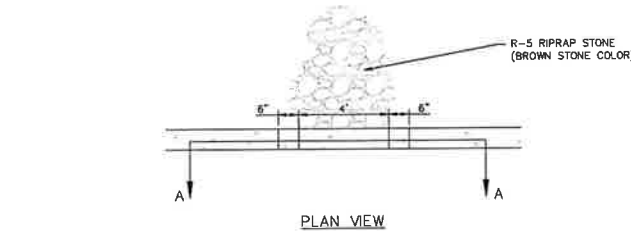
DETAIL 414
24\"/>



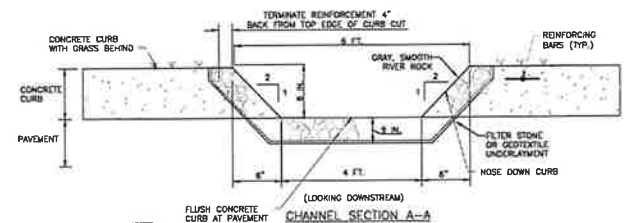
ITEM	SECTION TYPE	GRAVEL THICKNESS
SURFACE COURSE	PENNDOT 2A	3 IN. MIN.
BASE COURSE	MSHD #1 OR PENNDOT 3A	6 IN. MIN.
LINER	GEOTEXTILE	CLASS 4

- NOTES:**
- PRIOR TO PLACEMENT OF PENNDOT CLASS 4 GEOTEXTILE, THE PAVEMENT SUBGRADE SHALL BE PREPARED AS FOLLOWS:
 - PAVEMENT SUBGRADE SHALL BE PRODFOLLOWS USING A FULLY-LOADED DUMP TRUCK PRIOR TO PAVEMENT CONSTRUCTION. ANY SOFT AREAS SHALL BE OVER-COMPACTED TO A FIRM AND COMPACT MATERIAL AND BACKFILLED AS DESCRIBED IN 1B.
 - ALL APPROVED FILL SHALL BE PLACED IN MAXIMUM 8 IN. THICK, LOOSE LIFTS AND COMPACTED TO 98% OF ITS MAXIMUM DRY DENSITY AND WITHIN 1/2\"/>
 - AFTER COMPACTION, THE PAVEMENT SUBGRADE SHALL PROVIDE A FIRM UNYIELDING FOUNDATION WITH NO SUDDEN, SHARP OR ABRUPT CHANGES OR BREAKS IN GRADES. NO STANDING WATER OR EXCESS MOISTURE SHALL BE PRESENT. ALL SOFT AND YIELDING AREAS SHALL BE REMOVED BY OVER-COMPACTING TO A FIRM AND COMPACT MATERIAL, AND BACKFILLED AS DESCRIBED IN 1B.
 - THE SUBGRADE SHALL BE GRADED AND SHAPED AS REQUIRED TO CONSTRUCT THE ACCURATE BASE COURSE IN CONFORMANCE WITH THE GRADES, LINES AND THICKNESSES SHOWN ON THE DRAWINGS.

DETAIL 415
PERMANENT ACCESS ROAD
N.T.S.



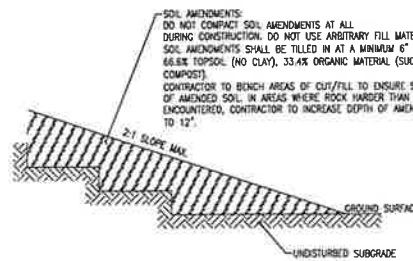
DETAIL 416
CURB CUT
N.T.S.



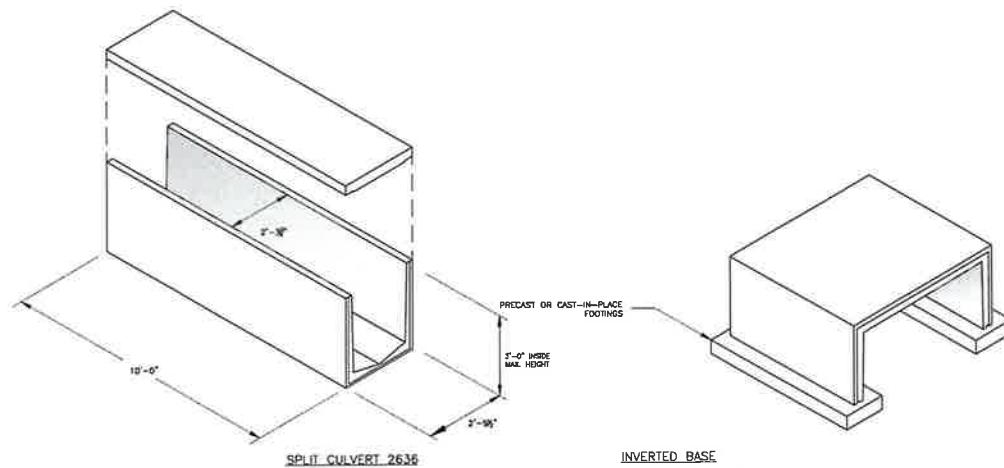
BASIN OR TRAP NO.	PIPE SIZE (IN.)	S (IN.)	NO. OF COLLARS (IT)	BELOW TO FIRST COLLAR (FT)	COLLAR SPACING (FT)
1	18	61	2	10	13

- NOTES:**
- ALL COLLARS SHALL BE INSTALLED SO AS TO BE WATER-TIGHT.
 - COLLAR SIZE AND SPACING SHALL BE AS INDICATED WITHIN TABLE.

DETAIL 417
CONCRETE ANTI-SEEP COLLARS
N.T.S.



DETAIL 418
SCM-2 (SOIL AMENDMENT INSTALLATION)
N.T.S.



DETAIL 419
OLD CASTLE PRECAST
N.T.S.



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Suite 141
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08/09/2025	J.M.J.	J.M.J.	J.M.J.

*HAND SIGNATURE ONLY

REVISIONS:
1. TOWNSHIP AND ACED COMMENT LETTER AUGUST 1, 2025
2. TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

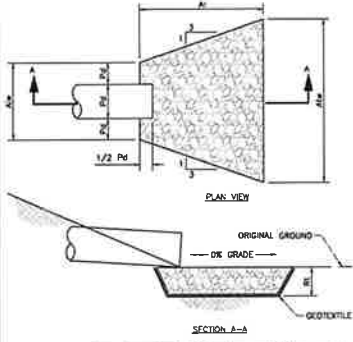
TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3680 OLD OAKDALE RD MCDONALD, PA, 15057
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD MCDONALD, PA, 15057

Proj No. 24-SAP-01B
Issue Date 08/09/2025

C403

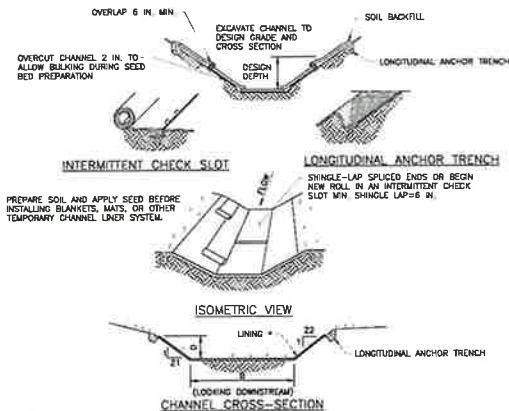
STORMWATER MANAGEMENT DETAILS (2 OF 3)



OUTLET NO.	PIPE DIA P4 (IN)	RIPRAP SIZE R-1 (IN)	THICK R1 (IN)	LENGTH A1 (FT)	APRON WIDTH A1W (FT)	TERMINAL WIDTH A1T (FT)
1	24	R-5	27	12	6	18
2	N/A	R-5	45	12	6	18
3	18	R-5	27	8	4.5	12.5
4	36	R-5	27	20	9	29
5	18	R-5	27	8	4.5	12.5

- NOTES:**
- ALL APRONS SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN. TERMINAL WIDTH SHALL BE ADJUSTED AS NECESSARY TO MATCH RECEIVING CHANNELS.
 - ALL APRONS SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RAINFALL EVENT. DISPLACED RIPRAP WITHIN THE APRON SHALL BE REPLACED IMMEDIATELY.
 - EXTEND RIPRAP ON BACK SIDE OF APRON TO AT LEAST 1/2 DEPTH OF PIPE ON BOTH SIDES TO PREVENT SCOUR AROUND THE PIPE.

**DETAIL 420
RIPRAP APRON
N.T.S.**

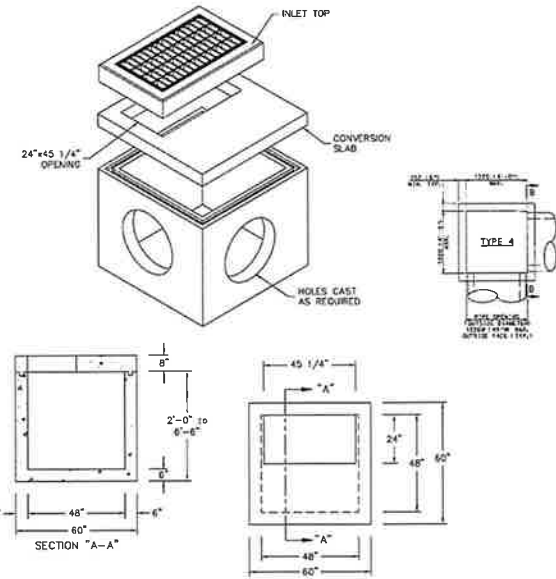


* SITE MANUFACTURER'S LINING INSTALLATION DETAIL FOR STABLE PATTERNS, VEGETATIVE STABILIZATION FOR SOIL AMENDMENTS, SEED MIXTURES AND MULCHING INFORMATION

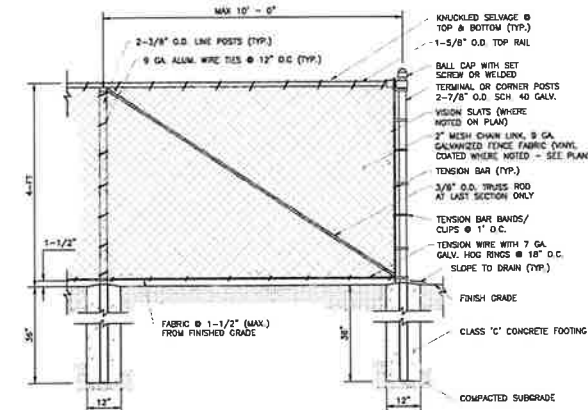
CHANNEL NO.	BOTTOM WIDTH B (FT)	DEPTH D (FT)	TOP WIDTH W (FT)	Z1 (FT)	Z2 (FT)	PS50 PERM. LINER	LINING *
1	2.0	1.0	6	2	3		

- NOTES:**
- ANCHOR TRENCHES SHALL BE INSTALLED AT BEGINNING AND END OF CHANNEL IN THE SAME MANNER AS LONGITUDINAL ANCHOR TRENCHES.
 - 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 SHOOTS (GRASS LEAF) SHALL BE REMOVED IN ANY MOWING. GRASS HEIGHT SHALL BE MAINTAINED BETWEEN 2 AND 3 INCHES UNLESS OTHERWISE SPECIFIED. EXCESS VEGETATION SHALL BE REMOVED FROM PERMANENT CHANNELS TO ENSURE SUFFICIENT CHANNEL CAPACITY.

**DETAIL 421
VEGETATED CHANNEL
N.T.S.**

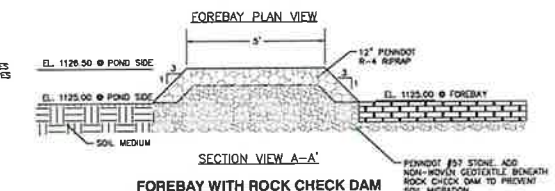
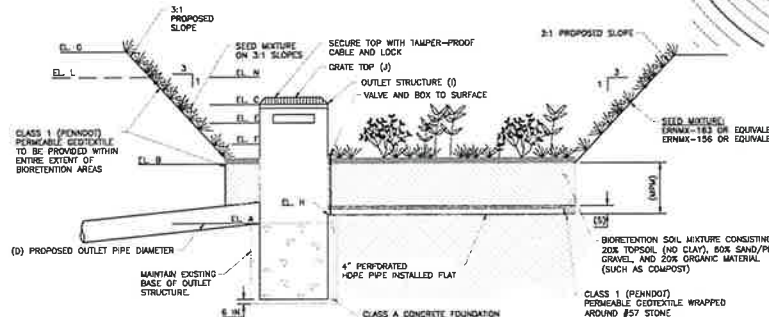
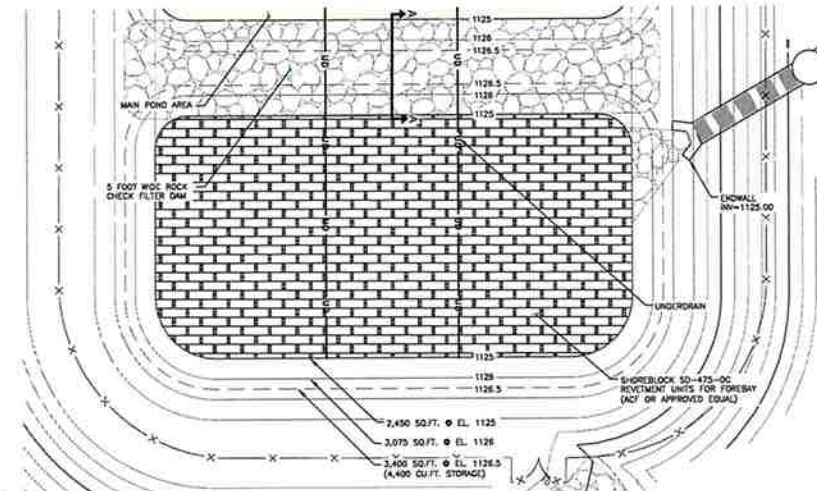


**DETAIL 422
STANDARD PENNDOT TYPE 4 INLET BOX (4 FT X 4 FT)
N.T.S.**



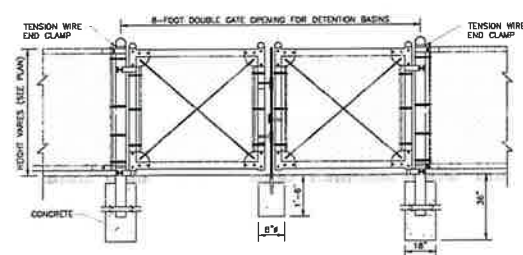
- NOTES:**
- MATERIALS FOR CONSTRUCTION SHALL BE BLACK VINYL COATED STEEL.
 - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW.
 - PROVIDE PRIVACY SLATS WHERE INDICATED ON PLANS.

**DETAIL 423
CHAIN LINK FENCE
N.T.S.**



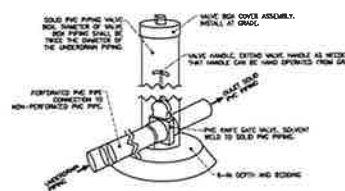
- GENERAL NOTES:**
- IN THE EVENT THAT SEDIMENT IS INTRODUCED INTO THE BMP DURING OR IMMEDIATELY FOLLOWING EXCAVATION, THIS MATERIAL SHALL BE REMOVED FROM THE PRACTICE PRIOR TO CONTINUING CONSTRUCTION.
 - GRADING OF BIORETENTION DEVICES SHALL BE ACCOMPLISHED USING LOW-COMPACTION EARTH-MOVING EQUIPMENT TO PREVENT COMPACTION OF UNDERLYING SOILS.
 - ALL SUB MATERIALS BELOW THE SPECIFIED BIORETENTION DEPTH (ELEVATION) SHALL BE UNDISTURBED, UNLESS OTHERWISE NOTED.
 - SITE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND PLACING MODIFIED SOIL MIX AS PER SPECIFICATIONS.
 - POND UNDERDRAINS SHALL BE PROVIDED.
 - UNDERDRAINS SHALL BE SLOPED TO DRAIN AND SHALL BE OUTLETED INTO THE PRE-CAST CONCRETE OUTLET STRUCTURES.
 - THE ASTM NO. 57 AGGREGATE SHALL MEET THE REQUIREMENTS OF PDOT PUBLICATION 408, SECTION 703.
 - THE CLASS 1 DRAINAGE GEOTEXTILE SHALL MEET THE REQUIREMENTS OF PDOT PUBLICATION 408, SECTION 735, AND SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 212. FAILURE OR INFILTRATION INADEQUACY DUE TO SELECTION.

**DETAIL 424
SHOREBLOCK SD-475-OC REVERTMENT UNITS FOR FOREBAY
N.T.S.**



- NOTES:**
- MATERIALS FOR CONSTRUCTION SHALL BE BLACK VINYL COATED STEEL.
 - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW.
 - PROVIDE PRIVACY SLATS WHERE INDICATED ON PLANS.

**DETAIL 425
CHAIN LINK FENCE GATES
N.T.S.**



BIORETENTION AREA	ASHHITO B57 WASH STONE: 45% WOODS (S)	MODIFIED SOIL PLANTING MIX DEPTH (MPM)	PROPOSED PIPE INVERT OUT (EL. A)	BED BOTTOM ELEV. (EL. B)	TOTAL PONDING ELEVATION (EL. C)	PROPOSED OUTLET PIPE DIAMETER (D)	ORIFICE (EL. E)	ORIFICE (EL. F)	BERM ELEVATION (EL. G)	UNDERDRAIN ELEVATION (EL. H)	OUTLET STRUCTURE (I)	GRATE TOP (J)	BERM WIDTH (K)	EMERGENCY SPILLWAY (EL. L)	EMERGENCY SPILLWAY CREST LENGTH (M)	MAXIMUM WSE CREST (N)
BIORETENTION RAIN GARDEN-1	6"	48"	1118.80	1125.00	1128.00	18" HDPE	1125.45 (2")	N/A	1128.00	1121.00	24 IN. X 48 IN. STANDARD PENNDOT TYPE 4 RENDRCD INLET BOX	24 IN. X 48 IN. ACF FLAT TRASH RACK SERIES (CHILD-PROOF NON-CLOGGING)	10'	1128.50	60'	1128.38

**DETAIL 426
INFILTRATION BIO-RETENTION RAIN GARDEN-1 (SCM-1)
N.T.S.**

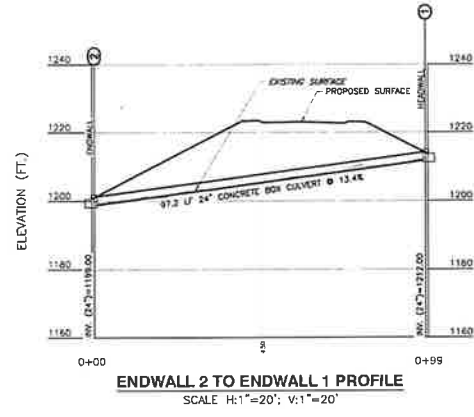


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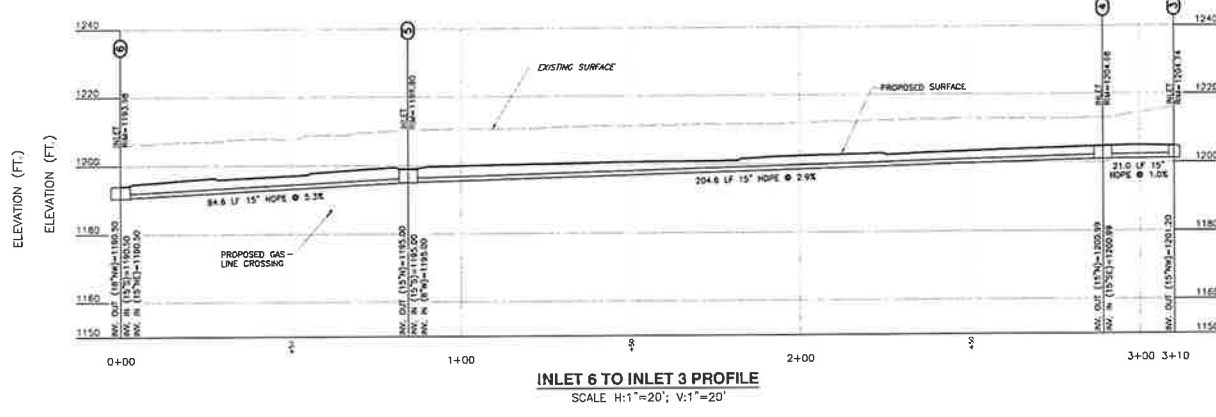
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PROJECT NO.: 24-548-01B	APPROVED BY: AJM
	INWD SIGNATURE ON FILE

REVISIONS:
1. 10/06/2025: REVISED LETTERS, L&S, S&P
2. 10/06/2025: REVISED COMMENT LETTER AUGUST 4, 2025
3. 10/06/2025: REVISED COMMENT LETTER AUGUST 4, 2025

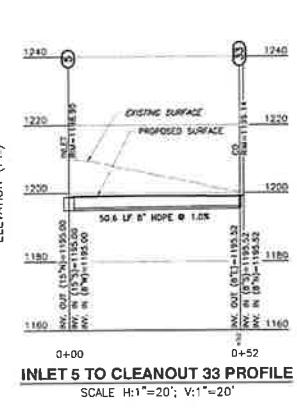
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STORMWATER MANAGEMENT DETAILS (3 OF 9)



ENDWALL 2 TO ENDWALL 1 PROFILE
SCALE H:1"=20'; V:1"=20'



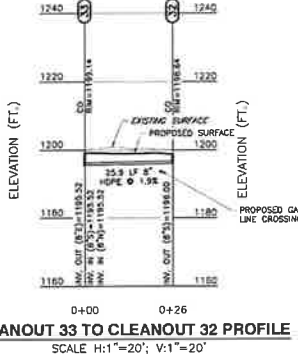
INLET 6 TO INLET 3 PROFILE
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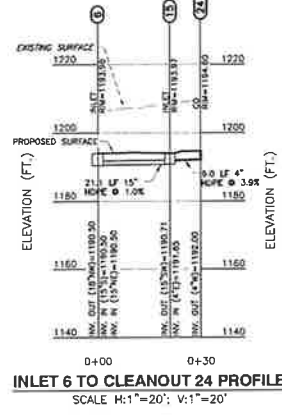
INLET 5 TO CLEANOUT 33 PROFILE
SCALE H:1"=20'; V:1"=20'



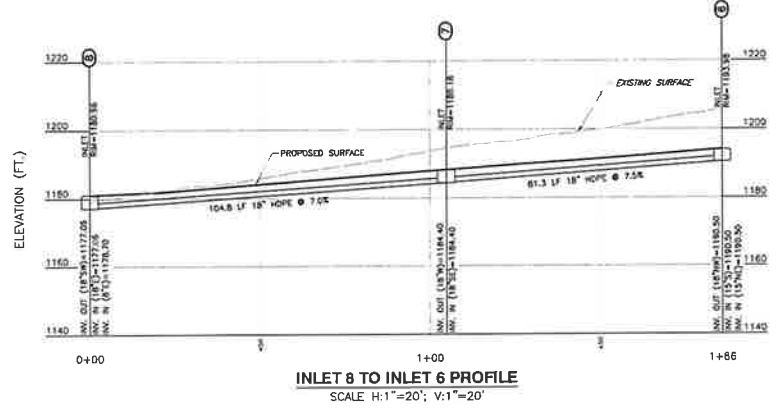
CLEANOUT 33 TO CLEANOUT 31 PROFILE
SCALE H:1"=20'; V:1"=20'



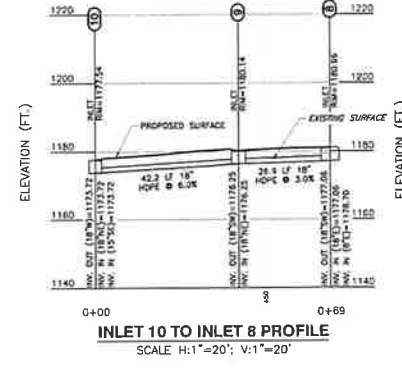
CLEANOUT 33 TO CLEANOUT 32 PROFILE
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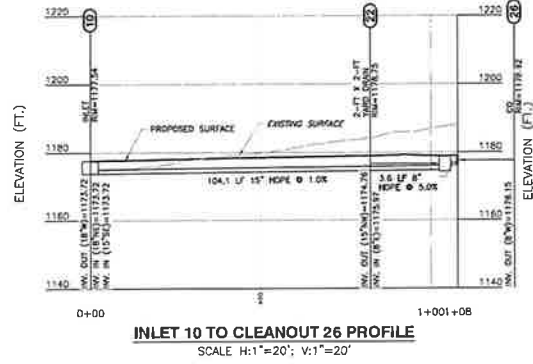
INLET 6 TO CLEANOUT 24 PROFILE
SCALE H:1"=20'; V:1"=20'



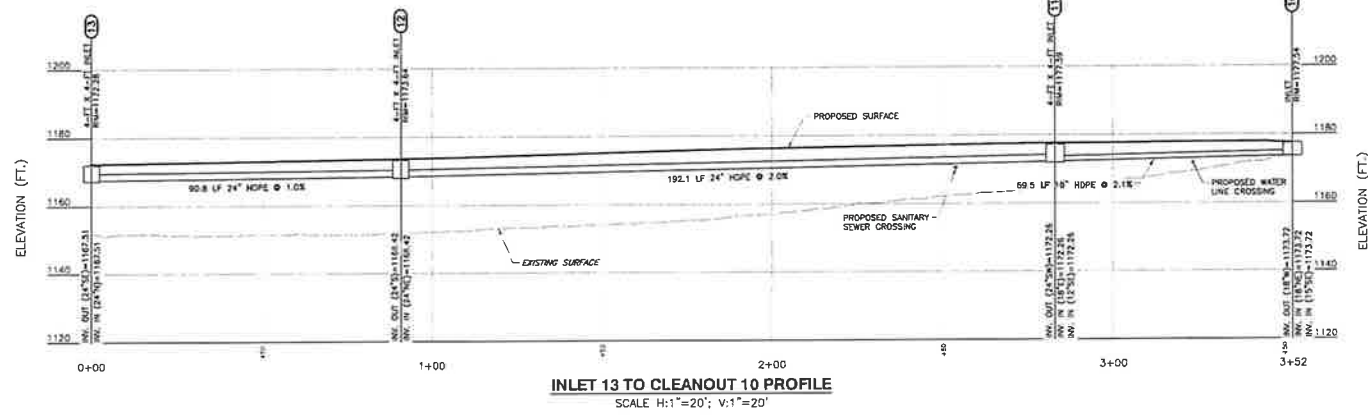
INLET 8 TO INLET 6 PROFILE
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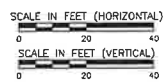
INLET 10 TO INLET 8 PROFILE
SCALE H:1"=20'; V:1"=20'



INLET 10 TO CLEANOUT 26 PROFILE
SCALE H:1"=20'; V:1"=20'



INLET 13 TO CLEANOUT 10 PROFILE
SCALE H:1"=20'; V:1"=20'



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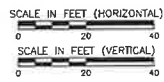
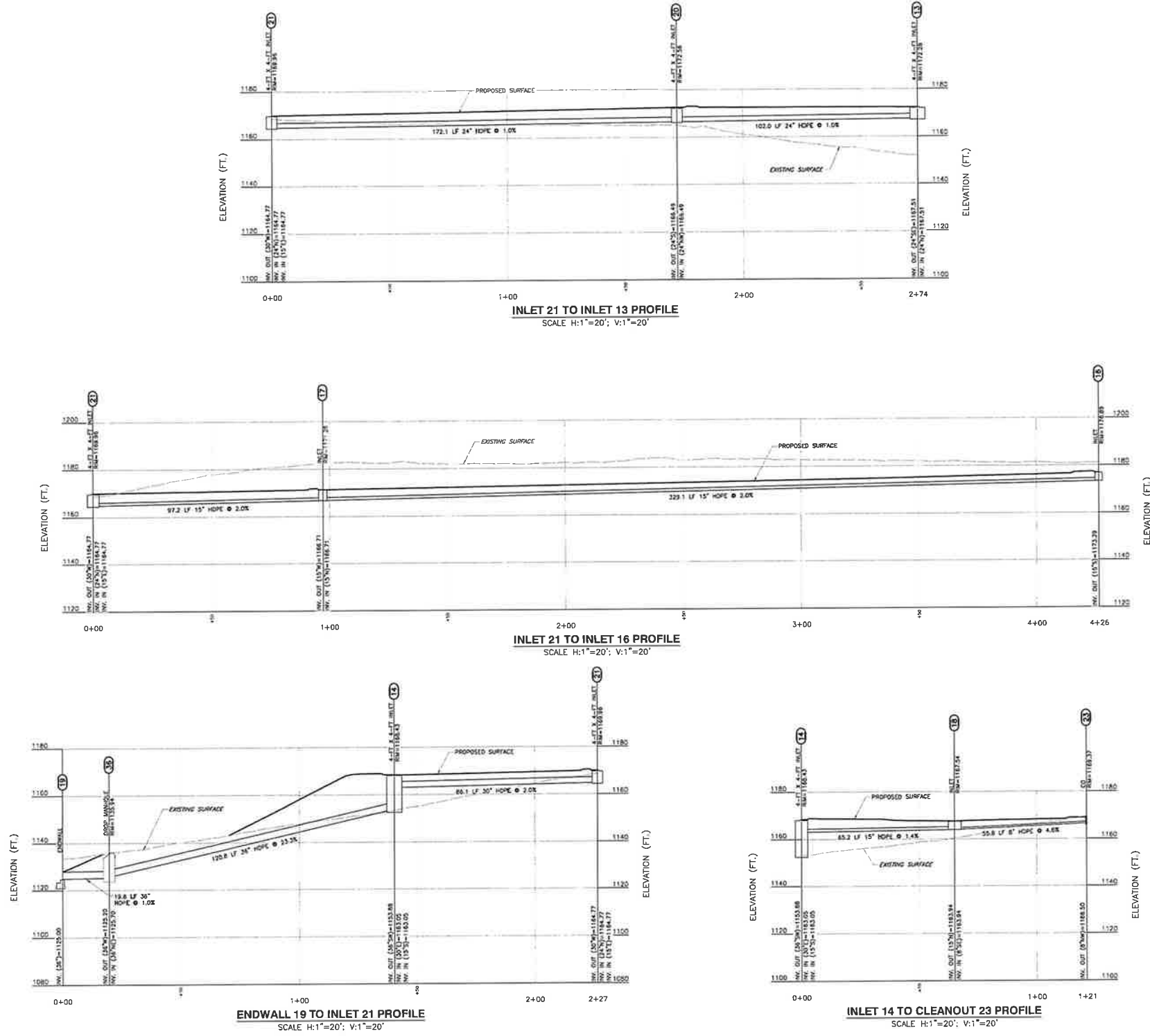
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2	08/06/2025	TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025	JAN	AK

TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
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Proj No. 24-546-01B
Issue Date 08/06/2025
C405
c comment 205

STORM PROFILES (1 OF 2)



Proj No. 24-S49-01B
Issue Date 06/06/2025

C406

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STORM PROFILES (2 OF 2)

REVISIONS
1. TOWNSHIP AND AEC COMMENT LETTER AUGUST 4, 2025
2. TOWNSHIP AND AEC COMMENT LETTER AUGUST 4, 2025

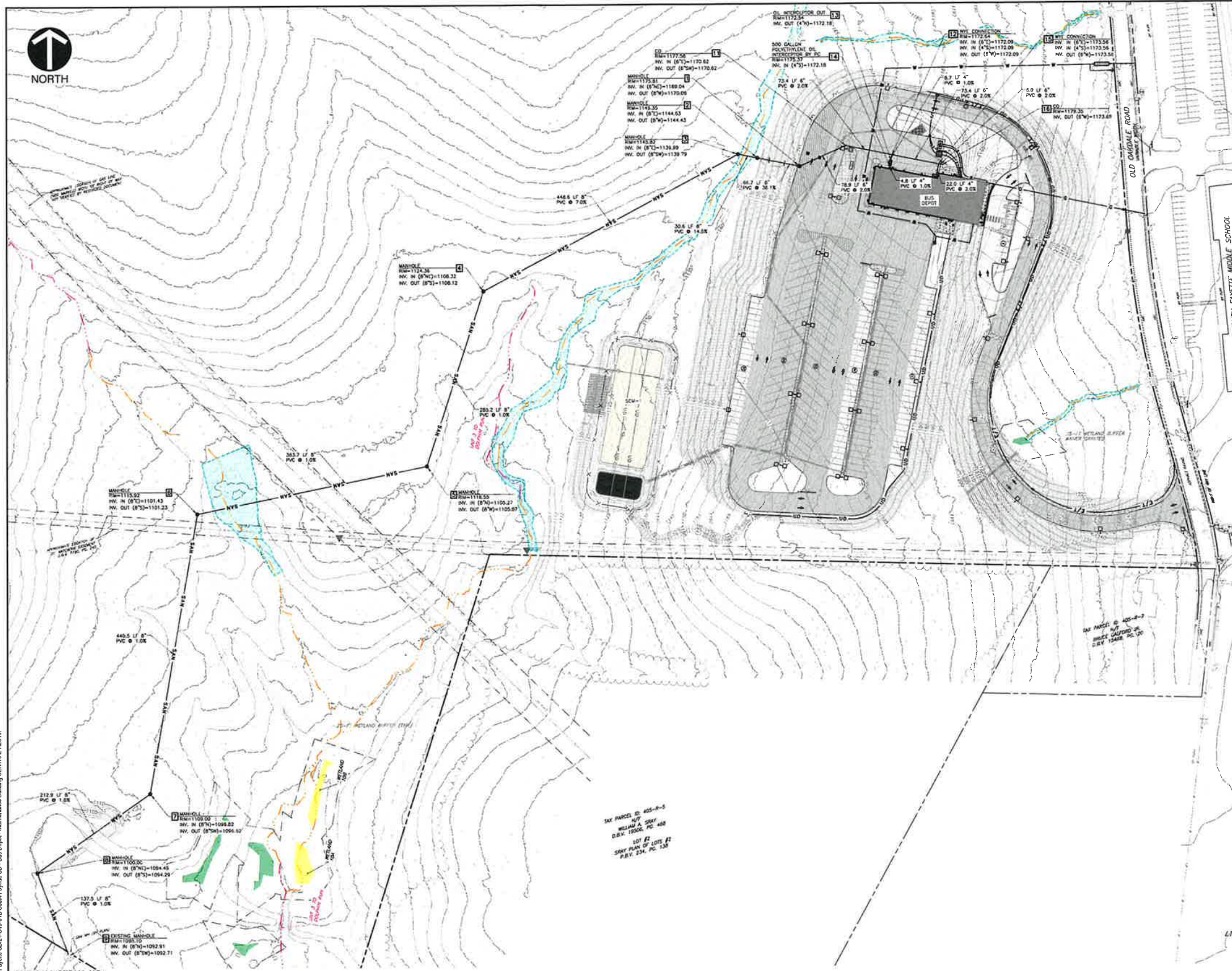
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2	05/06/2025	AS	AS	AS



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- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- EXISTING RIGHT-OF-WAY
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EXISTING FENCE LINE
- EXISTING DITCH FLOW LINE
- EXISTING STORM PIPE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING OVERHEAD WIRE
- EXISTING TREETRUNK
- SKIN
- WATER BUSH (WATER VALVE)
- FIRE HYDRANT
- WATER MANHOLE
- WATER WALK
- MULTIPURPOSE MANHOLE
- GAS LINE MARKER
- GUY WIRE
- GUY POLE
- EXISTING TEAM FLOORPLAN
- EXISTING WETLAND
- BORING LOCATION
- EXISTING WETLAND - FEW
- EXISTING WETLAND - PFS
- EXISTING WETLAND - PSS
- EXISTING EPHEMERAL STREAM
- EXISTING INTERMITTENT STREAM
- CALCULATED 100-YR WSE
- EXISTING PERENNIAL STREAM
- PROPOSED SUPPRESSED CONC. CURB
- PROPOSED ASPHALT WEDGET CURB
- PROPOSED CONCRETE
- PROPOSED STRIPING
- PROPOSED SIDEWALK
- PROPOSED SUBGRADE
- PROPOSED HEAVY DUTY ASPHALT
- PROPOSED LIGHT DUTY ASPHALT
- PROPOSED TREETRUNK
- PROPOSED FENCE
- PROPOSED GULLINAL
- PROPOSED SIGNAGE
- PROPOSED LIGHT POST
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED SLOPE LABEL
- PROPOSED SPOT ELEVATION
- CURB ELEVATIONS
- CURB ELEVATIONS
- PROPOSED STORM PIPE
- PROPOSED SLOPE LABEL
- PROPOSED INLET TYPES
- PROPOSED STORM MANHOLE
- PROPOSED ENHANCEMENT W/ R/RAP
- PROPOSED UNDERDRAIN
- PROPOSED SINGLE LINE STORM PIPE
- PROPOSED THE DRAIN
- INFILTRATION TEST LOCATION
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY MANHOLE
- PROPOSED SANITARY CLEANOUT
- PROPOSED WATER LINE
- PROPOSED GAS LINE
- PROPOSED ELECTRIC/TELEPHONE



4350 Northern Pike
Suite 141
Monroeville, PA 15146
Ph: 724.327.5200
www.eccinc.com

CEC
Civil & Environmental
Consultants, Inc.

DATE	DESCRIPTION	BY
08/04/2025	ISSUED FOR PERMIT	JM
07/22/2025	REVISED	JM
07/15/2025	REVISED	JM
07/08/2025	REVISED	JM

REVISIONS:
1. TOPOGRAPHIC SURVEY LETTER, AUG. 15, 2024
2. TOPOGRAPHIC SURVEY COMMENT LETTER, AUGUST 11, 2025

TOWNSHIP INDICATED COMMENT LETTER, AUGUST 4, 2025

ONE CALL SERIAL NO.:

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 10 WORKING
DAYS IN DESIGN STAGE-STOP CALL
PENNSYLVANIA ONE CALL SYSTEM, INC.
1-800-242-1776

REFERENCE
1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY: CIVIL & ENVIRONMENTAL CONSULTANTS, INC., DATED: JANUARY 2024

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3680 OLD OAKDALE RD MCDONALD, PA, 15057
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD
MCDONALD, PA, 15057

OVERALL UTILITY PLAN

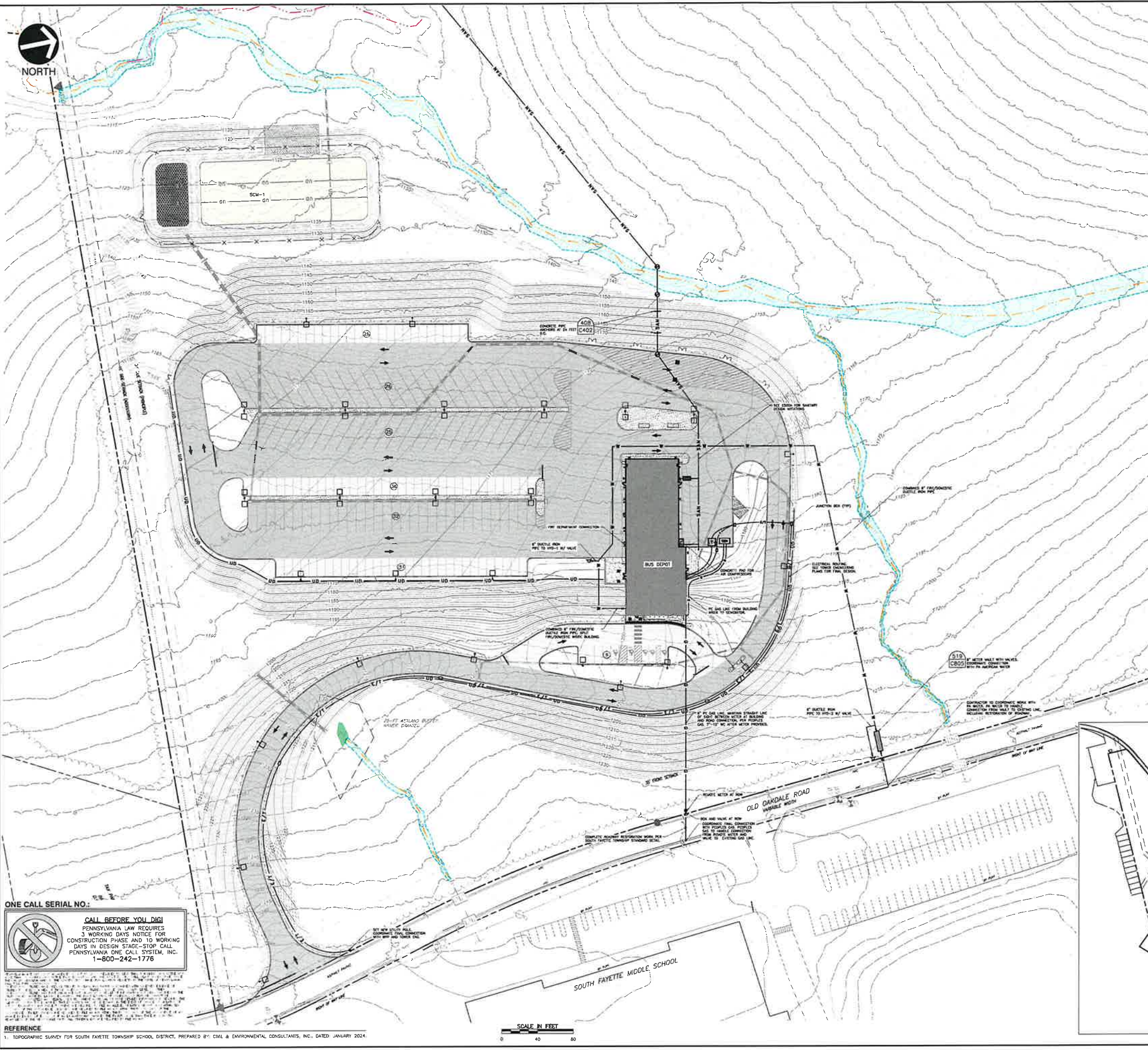
Proj No. 24-546-01B
Issue Date 06/06/2025

C500A

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5/6/2025 12:49:08 PM Autodesk Docs/05/24/2025 South Fayette SD - Bus Depot - Maintenance Building CENTRAL R23.rvt

5/6/2025 12:49:00 PM AutoCAD Doc: I152-24-01 South Fayette SD - Bus Depot - Maintenance Building - CENTRAL.rvt



ONE CALL SERIAL NO:
CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 10 WORKING
DAYS IN DESIGN STAGE-STOP CALL
PENNSYLVANIA ONE CALL SYSTEM, INC.
1-800-242-1776

REFERENCE
1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY: C&E ENVIRONMENTAL CONSULTANTS, INC., DATED JANUARY 2024.

SCALE IN FEET
0 40 80

LEGEND

[Symbol]	EXISTING PROPERTY LINE
[Symbol]	EXISTING EASEMENT
[Symbol]	EXISTING RIGHT-OF-WAY
[Symbol]	EXISTING INDEX CONTOUR
[Symbol]	EXISTING INTERMEDIATE CONTOUR
[Symbol]	EXISTING FENCE LINE
[Symbol]	EXISTING DITCH FLOW LINE
[Symbol]	EXISTING STORM PIPE
[Symbol]	EXISTING WATER LINE
[Symbol]	EXISTING GAS LINE
[Symbol]	EXISTING OVERHEAD WIRE
[Symbol]	EXISTING TREE LINE
[Symbol]	SIGN
[Symbol]	WATER VALVE (WATER VALVE)
[Symbol]	FIRE HYDRANT
[Symbol]	WATER MANHOLE
[Symbol]	WATER VAULT
[Symbol]	WATERLINE MARKER
[Symbol]	GAS LINE MARKER
[Symbol]	SOIL NAIL
[Symbol]	SOIL POLE
[Symbol]	EXISTING FEMA FLOODPLAIN
[Symbol]	EXISTING WETLAND
[Symbol]	BORING LOCATION
[Symbol]	EXISTING WETLAND - PEM
[Symbol]	EXISTING WETLAND - PFD
[Symbol]	EXISTING WETLAND - PWS
[Symbol]	EXISTING PERMANENT STREAM
[Symbol]	EXISTING INTERMITTENT STREAM
[Symbol]	CALCULATED 100-YR WSE
[Symbol]	EXISTING PERENNIAL STREAM
[Symbol]	PROPOSED SUPPRESSED CONC. CURB
[Symbol]	PROPOSED ASPHALT WEDGE CURB
[Symbol]	PROPOSED CONCRETE
[Symbol]	PROPOSED STRIPING
[Symbol]	PROPOSED SIDEWALK
[Symbol]	PROPOSED BUILDING
[Symbol]	PROPOSED HEAVY DUTY ASPHALT
[Symbol]	PROPOSED LIGHT DUTY ASPHALT
[Symbol]	PROPOSED TREE LINE
[Symbol]	PROPOSED FENCE
[Symbol]	PROPOSED GUTTER
[Symbol]	PROPOSED SIGNAGE
[Symbol]	PROPOSED LIGHT POST
[Symbol]	PROPOSED INDEX CONTOUR
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[Symbol]	PROPOSED SLOPE LABEL
[Symbol]	PROPOSED SPOT ELEVATION
[Symbol]	CURB ELEVATIONS
[Symbol]	CURB ELEVATIONS
[Symbol]	PROPOSED STORM PIPE
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[Symbol]	PROPOSED ENHANCED W/ RWRAP
[Symbol]	PROPOSED UNDERDRAIN
[Symbol]	PROPOSED SINGLE LINE STORM PIPE
[Symbol]	PROPOSED TIE DRAN
[Symbol]	INFILTRATION TEST LOCATION
[Symbol]	PROPOSED SANITARY SEWER
[Symbol]	PROPOSED SANITARY MANHOLE
[Symbol]	PROPOSED SANITARY CLEANOUT
[Symbol]	PROPOSED WATER LINE
[Symbol]	PROPOSED GAS LINE
[Symbol]	PROPOSED ELECTRIC/TELEPHONE

DRAW COLLECTIVE
470 Washington Road, Pittsburgh, PA 15228
412.561.7117 www.DRAWcollective.com

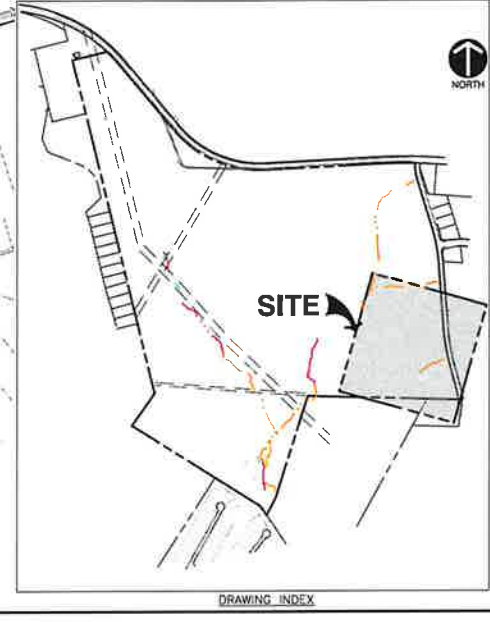


4350 Northern Pike
Suite 141
Monroeville, PA 15146
Ph: 724.327.5200
www.ccecinc.com
C&E
Civil & Environmental
Consultants, Inc.

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	08/08/2025	ISSUE	ALM
2	08/08/2025	PROPOSED	ALM
3	08/08/2025	APP	ALM

REVISIONS
1. TOWNSHIP AND ACED COMMENT LETTER: AUGUST 4, 2025
2. TOWNSHIP AND ACED COMMENT LETTER: AUGUST 4, 2025

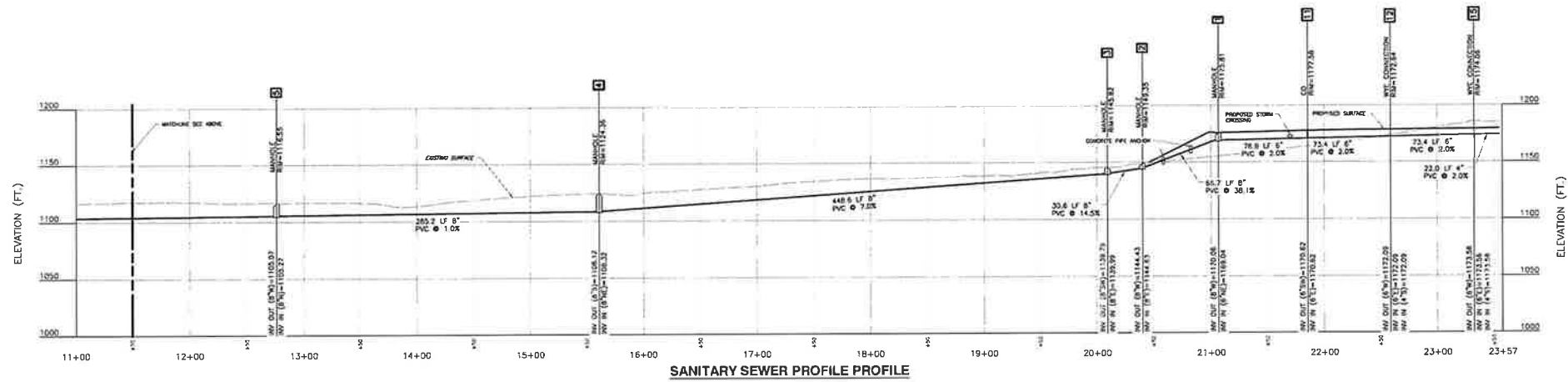
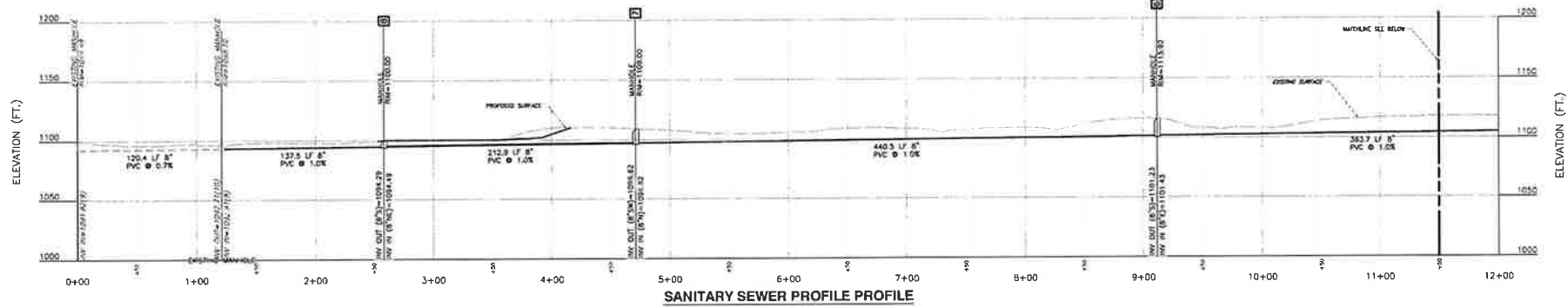


NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3860 OLD OAKDALE RD MCDONALD, PA, 15057
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3880 OLD OAKDALE RD
MCDONALD, PA, 15057
UTILITY PLAN

Proj No. 24-S49-01B
Issue Date 08/08/2025
C500B
C 2025



REFERENCE
 1 TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY: CML & ENVIRONMENTAL CONSULTANTS, INC. DATED JANUARY 2024



SCALE IN FEET (HORIZONTAL)
 0 50 100
 SCALE IN FEET (VERTICAL)
 0 50 100



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 Suite 141
 Monroeville, PA 15146
 Ph: 724.327.5200
 www.ccecinc.com

CML & Environmental Consultants, Inc.

NO.	DATE	DESCRIPTION	BY
1	08/08/2025	ISSUED FOR PERMIT	ALM
2	08/08/2025	REVISED FOR PERMIT	ALM

REVISIONS
 1. TOWNSHIP AND AGEN COMMENT LETTER AUGUST 4, 2025

TOWNSHIP AND AGEN COMMENT LETTER AUGUST 4, 2025

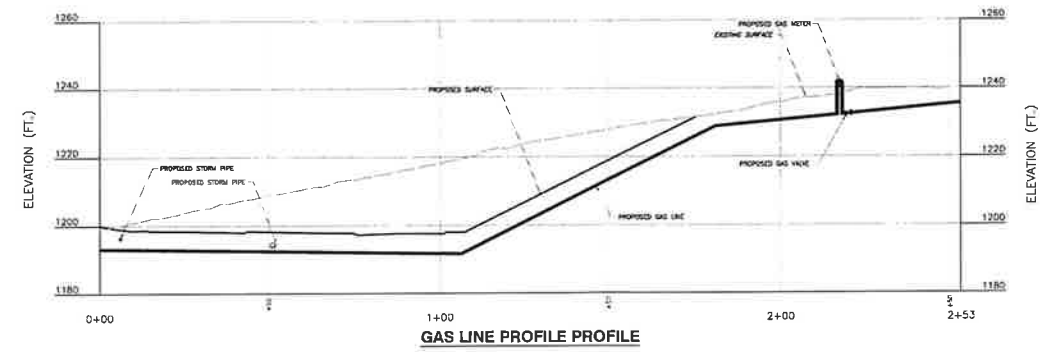
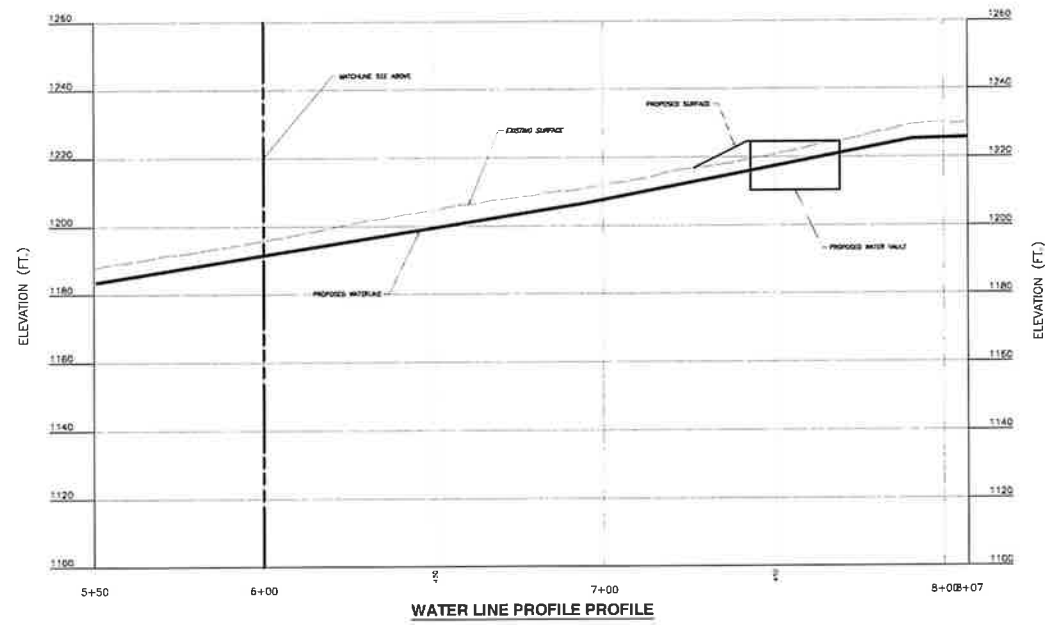
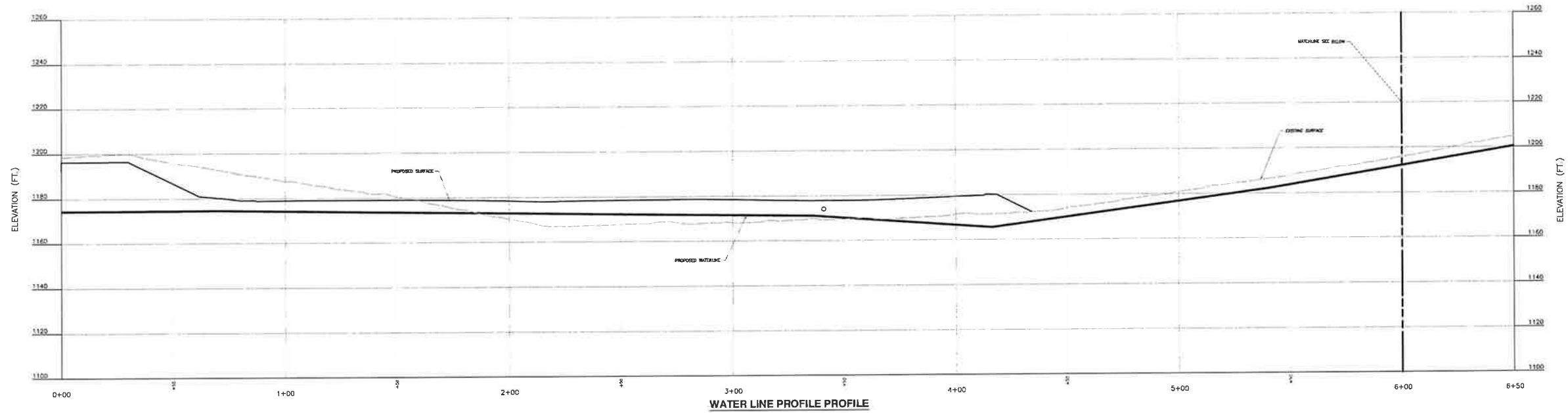
NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
 3800 OLD OAKDALE RD MCDONALD, PA, 15057
 SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3690 OLD OAKDALE RD
 MCDONALD, PA, 15057

SANITARY SEWER PROFILES

Proj No. 24-549-01B
 Issue Date 09/09/2025

C501

5/6/2025 17:49:08 PM Autodesk Docs (US) 24-01 South Fayette SD/24-SF-01B South Fayette SD - Bus Depot - Maintenance Building CENTRAL RZ3.rvt



SCALE IN FEET (HORIZONTAL)
0 20 40
SCALE IN FEET (VERTICAL)
0 20 40

ONE CALL SERIAL NO:
CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 10 WORKING
DAYS IN DESIGN STAGE-STOP CALL
PENNSYLVANIA ONE CALL SYSTEM, INC.
1-800-242-1776

REFERENCE
1 TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY CML & ENVIRONMENTAL CONSULTANTS, INC., DATED: JANUARY 2024



4350 Northern Pike
Suite 141
Pittsboro, PA 15146
Ph: 724.327.5200
www.ecsinc.com

CEE
Civil & Environmental
Consultants, Inc.

DATE	DESCRIPTION	BY	CHK
08/08/2025	ISSUE FOR PERMIT	AMR	AMR

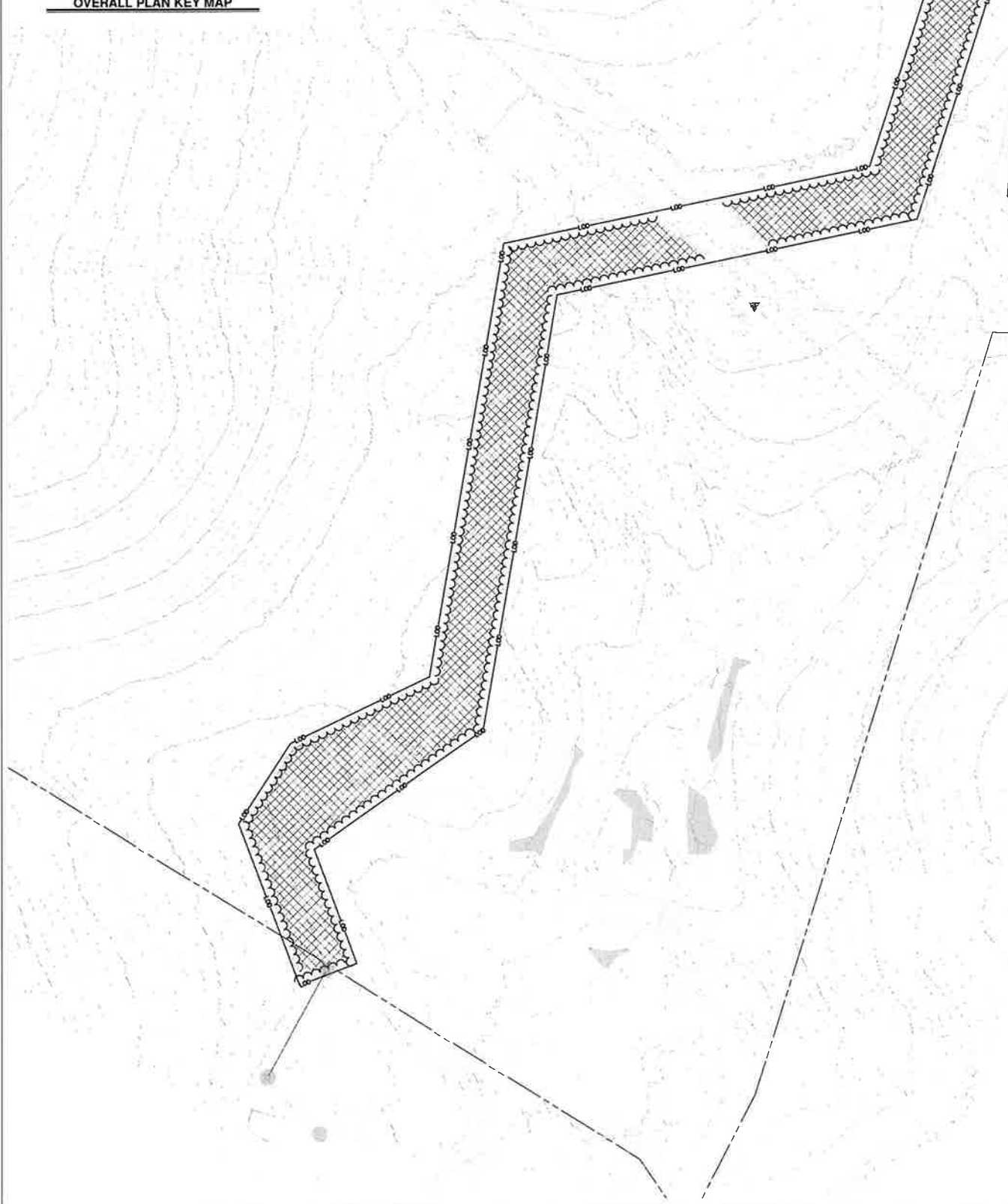
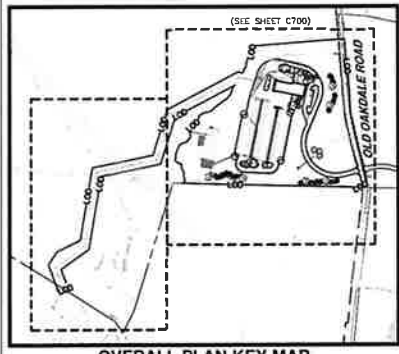
REVISIONS
1 TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025
2 TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3600 OLD OAKDALE RD MCDONALD, PA, 15057
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD
MCDONALD, PA, 15057

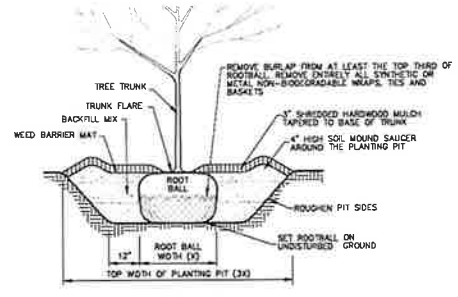
UTILITY PROFILES

Proj No. 24-SF-01B
Issue Date 08/08/2025
C502
C. Conner
2025

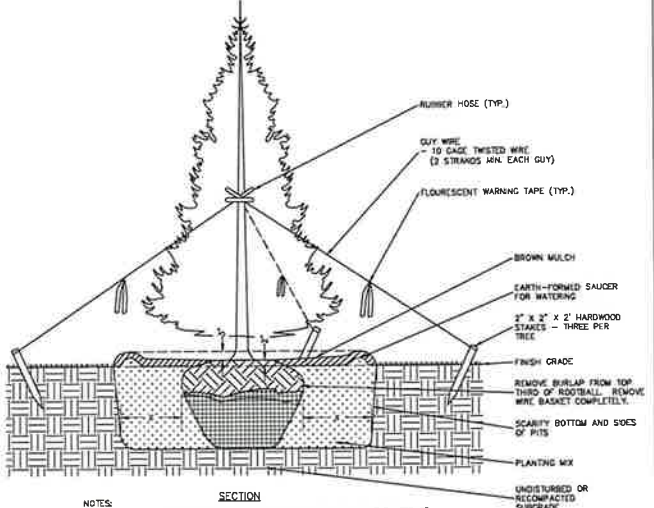


PROPOSED LANDSCAPE LEGEND

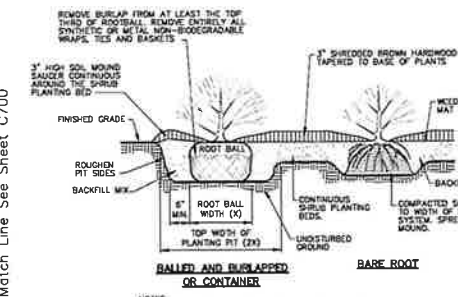
- PROPERTY LINE
- - - PROPOSED CONTOUR
- [Cross-hatched box] CRIST SEED MIX (ERNX-18) OR EQUIVALENT
- ~ ~ ~ PROPOSED VEGETATION LINE



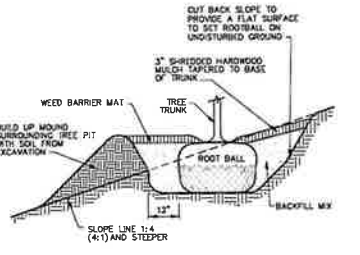
- NOTES:**
- TRUNK FLARE SHALL BEAR SAME RELATION TO FINISHED GRADE AS IT BORE TO THE ORIGINAL NURSERY CONDITION. TOP OF ROOTBALL SHALL BE PLACED NO LOWER THAN PREVAILING FINISHED GRADE OF ADJACENT GROUND. TOP OF ROOTBALL MAY BE SET AS HIGH AS 2" HIGHER THAN ADJACENT GROUND IF POOR DRAINAGE CONDITIONS ARE OBSERVED.
 - DO NOT BARK OR CUT TRUNK LEADERS. TREES SHALL BE SELECTIVELY PRUNED AS NEEDED TO REMOVE DEAD OR INJURED BRANCHES.
 - BACKFILL MIX SHALL BE 3:1 RATIO OF COMPOSTED ORGANIC MATERIAL AND NATIVE SOIL AMENDED IN ACCORDANCE WITH PENNDOT PUBLICATION 408. BACKFILL SHALL BE PLACED IN 9" LIFTS WITH EACH LIFT, SOIL SHALL BE TAMPED AND WATERED TO REMOVE VOIDS.



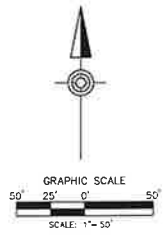
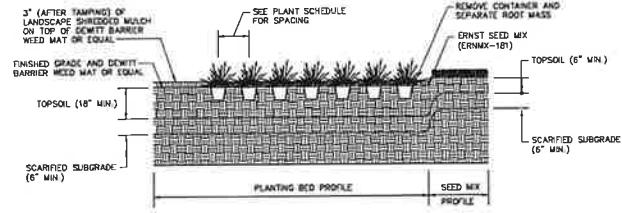
- NOTES:**
- SET BALL & PLUMB TREE IN CENTER OF PIT WITH TOP OF BALL ELEVATED 2" ABOVE FINISH GRADE.
 - DO NOT PLACE MULCH OR BACKFILL MIX ABOVE OR AGAINST THE ROOT CROWN.
 - "X" = HALF THE WIDTH OF THE ROOT BALL.



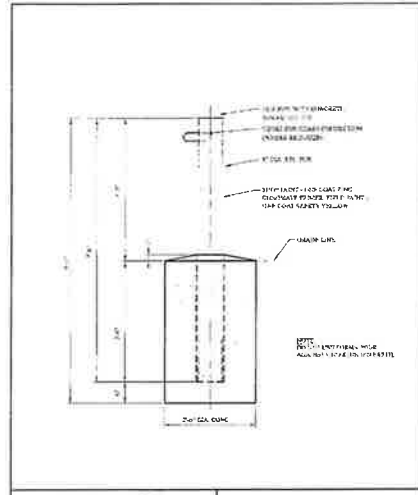
- NOTES:**
- Slice root mass of containerized plants along height of rootballs at 90° intervals.
 - PLANT MATERIAL SHALL BEAR SAME RELATION TO FINISHED GRADE AS IT BORE TO THE ORIGINAL NURSERY CONDITION.
 - BACKFILL MIX SHALL BE 3:1 RATIO OF COMPOSTED ORGANIC MATERIAL AND NATIVE SOIL AMENDED IN ACCORDANCE WITH PENNDOT PUBLICATION 408. BACKFILL SHALL BE TAMPED AND WATERED TO REMOVE VOIDS.
 - CONTINUOUS SHRUB PLANTING BEDS SHALL THOROUGHLY INCORPORATE 3" OF COMPOSTED ORGANIC MATERIAL INTO THE TOP 6" OF NATIVE SOIL AMENDED IN ACCORDANCE WITH PENNDOT PUBLICATION 408.



- NOTE:**
- ALL TREE PLANTINGS ON SLOPE LINE 1:4 (4:1) OR STEEPER REQUIRE BRACING. REFER TO BRACING DETAIL.

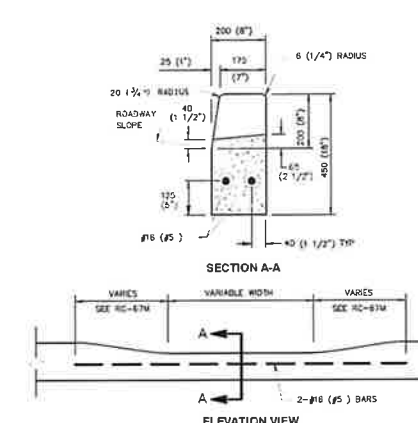


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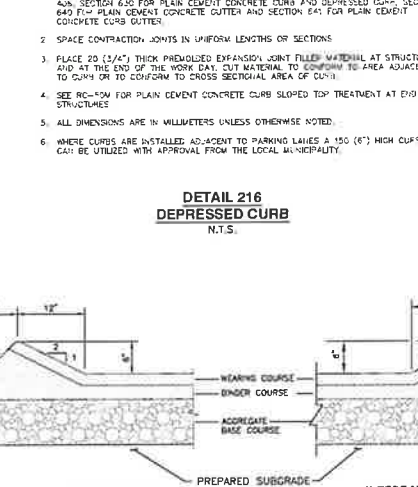


PROJECT	SOUTH FAYETTE TOWNSHIP	DATE	ISSUED
SCALE	AS SHOWN	DATE	ISSUED
DESIGNER	BOLLARD	DATE	ISSUED
CHECKER		DATE	ISSUED
APPROVER		DATE	ISSUED

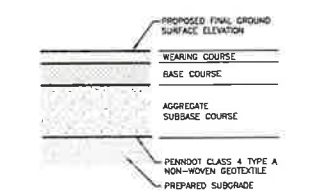
**DETAIL 211
BOLLARD DETAIL
N.T.S.**



**DETAIL 216
DEPRESSED CURB
N.T.S.**

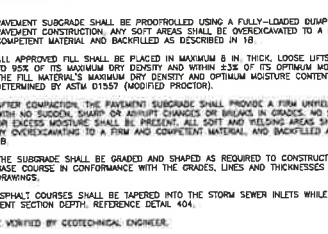


**DETAIL 217
ASPHALT WEDGE CURB AND SIDEWALK
N.T.S.**

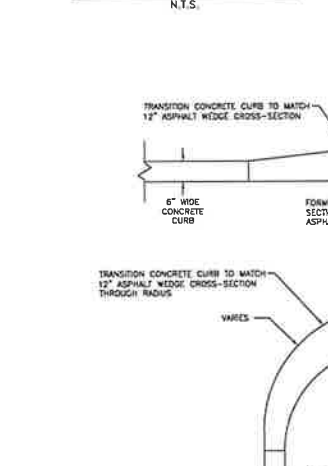


ITEM	HEAVY DUTY PAVEMENT SECTION	LIGHT DUTY PAVEMENT SECTION
PG 64-22 (0.5mm SUPERPAVE MIX WEARING COURSE)	2 IN.	2 IN.
PG 64-22 (2.5mm SUPERPAVE MIX BASE COURSE)	4 IN.	3 IN.
PENNDOT TYPE 2A AGGREGATE SUB-BASE COURSE	8 IN.	6 IN.
GEOTEXTILE	CLASS 4	CLASS 4

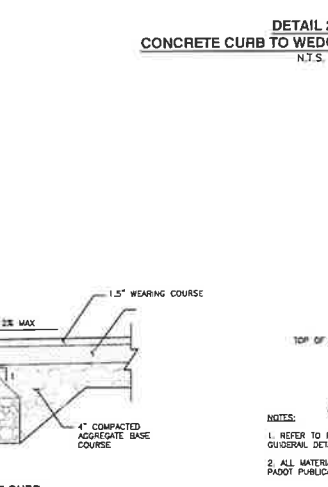
**DETAIL 212
ASPHALT PAVEMENT SECTIONS
N.T.S.**



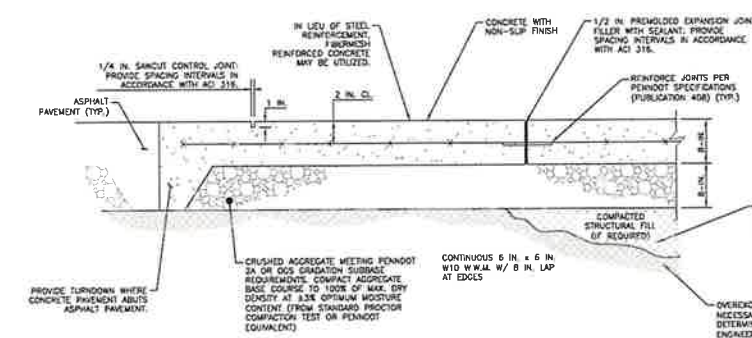
**DETAIL 218
CONCRETE CURB TO ASPHALT TRANSITION
N.T.S.**



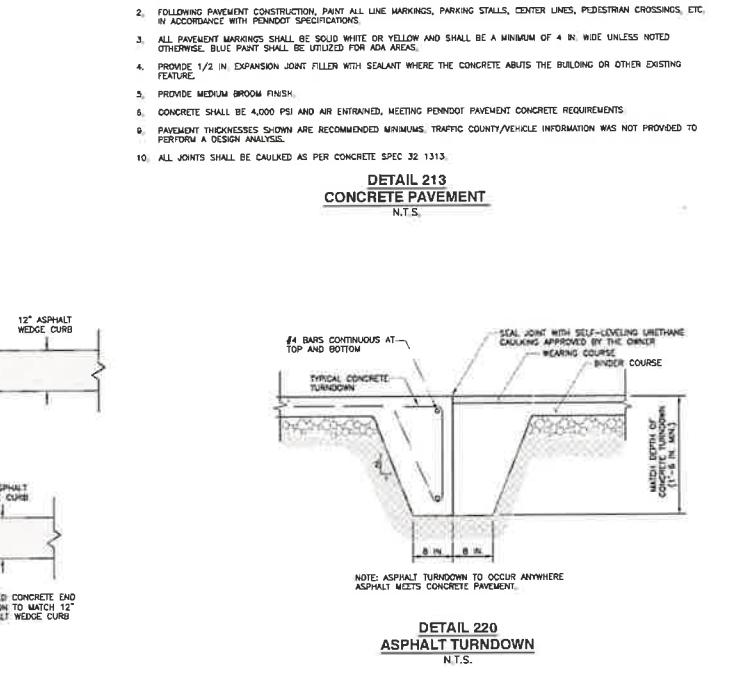
**DETAIL 219
GUIDERAIL
N.T.S.**



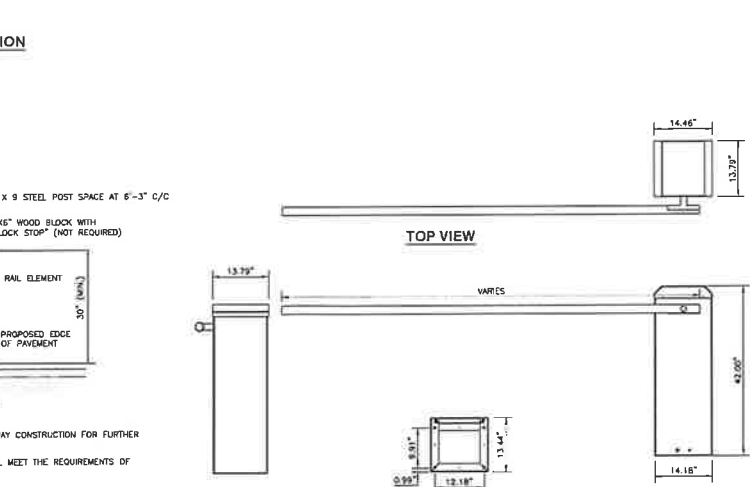
**DETAIL 221
TRAFFIC CONTROL POWER GATE
N.T.S.**



**DETAIL 213
CONCRETE PAVEMENT
N.T.S.**



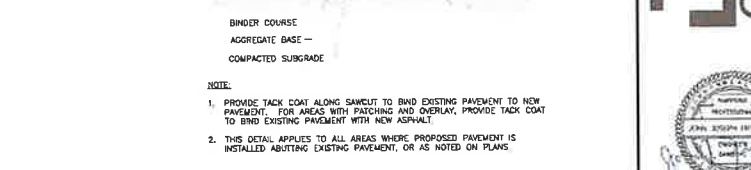
**DETAIL 220
ASPHALT TURNDOWN
N.T.S.**



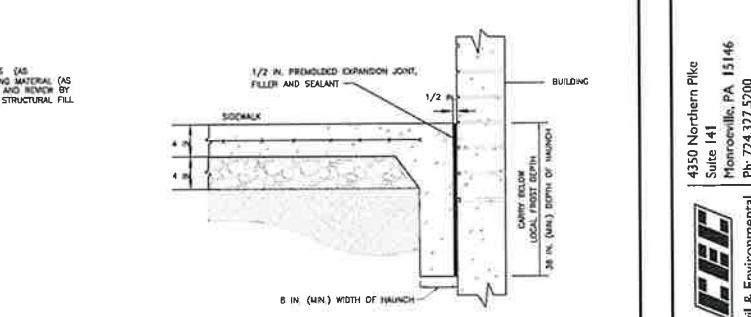
**DETAIL 222
ACCESSIBLE PARKING SPACE MARKING DETAIL
N.T.S.**



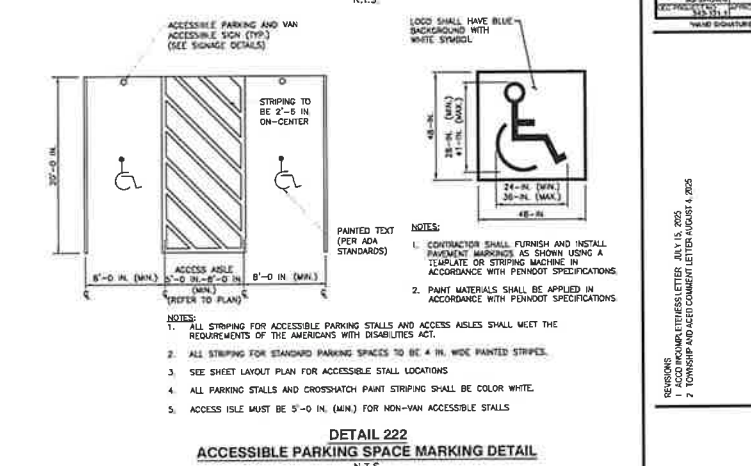
**DETAIL 223
PAVEMENT MARKINGS
N.T.S.**



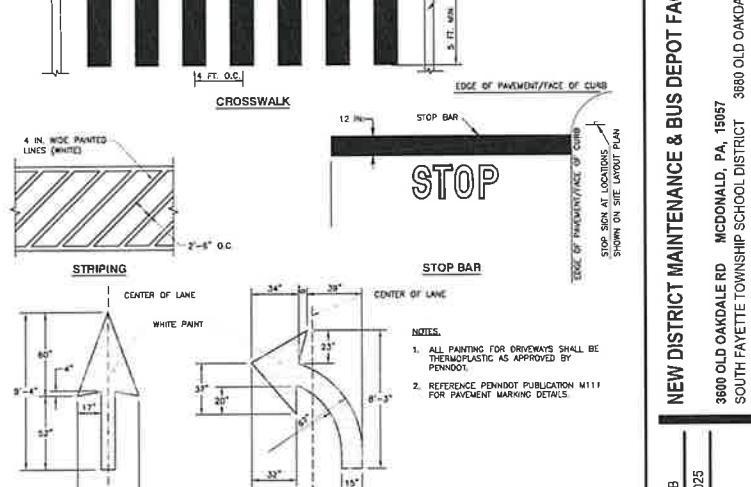
**DETAIL 214
TYPICAL SAWCUT AND PAVEMENT JOINT
N.T.S.**



**DETAIL 215
TYPICAL SIDEWALK ABUTTING BUILDING
N.T.S.**



**DETAIL 216
DEPRESSED CURB
N.T.S.**



**DETAIL 217
ASPHALT WEDGE CURB AND SIDEWALK
N.T.S.**



**DETAIL 218
CONCRETE CURB TO ASPHALT TRANSITION
N.T.S.**



4330 Northern Pike
Suite 141
Pottsville, PA 17268
Ph: 724.327.5200
www.dccinc.com

David J. Cacciatore
Civil & Environmental
Consultants, Inc.

DATE	DESCRIPTION	BY
08/08/2025	ISSUED FOR PERMIT	DC
08/08/2025	REVISED	DC
08/08/2025	ISSUED FOR PERMIT	DC
08/08/2025	REVISED	DC

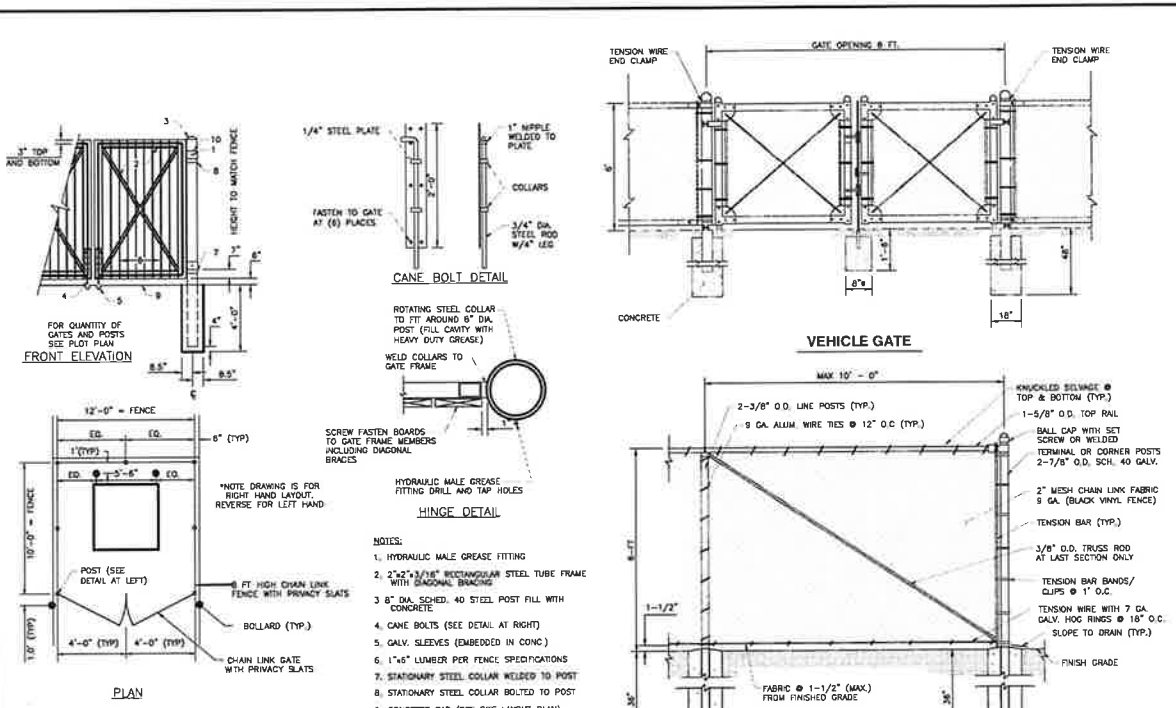
REVISIONS:
1. CONSTRUCTION LETTERS: AUG. 15, 2025
2. TOWNSHIP AND ACED COMMENT LETTER: AUGUST 1, 2025

TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3880 OLD OAKDALE RD MCDONALD, PA, 15087
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3880 OLD OAKDALE RD MCDONALD, PA, 15087

SITE DETAILS (2 OF 6)

562025 12:49:08 PM Autodesk Docs\1589 24.01 South Fayette\SD - Bus Depot - Maintenance Building\CD\TDR\1202.dwg



DETAIL 224 DUMPSTER ENCLOSURE N.T.S.

FOR QUANTITY OF GATES AND POSTS SEE PLAN

NOTE DRAWING IS FOR RIGHT HAND LAYOUT. REVERSE FOR LEFT HAND

HYDRAULIC MALE GREASE FITTING DRILL AND TAP HOLES

HINGE DETAIL

NOTES:

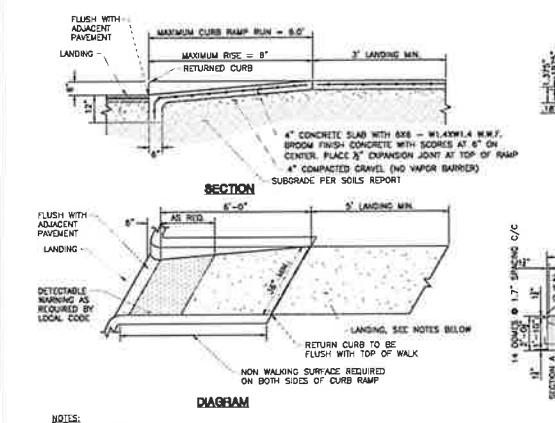
1. HYDRAULIC MALE GREASE FITTING
2. 2"x2"x1/8" RECTANGULAR STEEL TUBE FRAME WITH DIAGONAL BRACING
3. 8" DIA. SCHED. 40 STEEL POST FILL WITH CONCRETE
4. CANE BOLTS (SEE DETAIL AT RIGHT)
5. GALV. SLEEVES (EMBEDDED IN CONC.)
6. 1"x6" LUMBER PER FENCE SPECIFICATIONS
7. STATIONARY STEEL COLLAR WELDED TO POST
8. STATIONARY STEEL COLLAR BOLTED TO POST
9. CONCRETE PAD (SEE SITE LAYOUT PLAN)
10. ROTATING STEEL COLLAR (SEE HINGE DETAIL AT RIGHT)



DETAIL 225 CHAIN LINK FENCE AND VEHICLE GATE N.T.S.

NOTES:

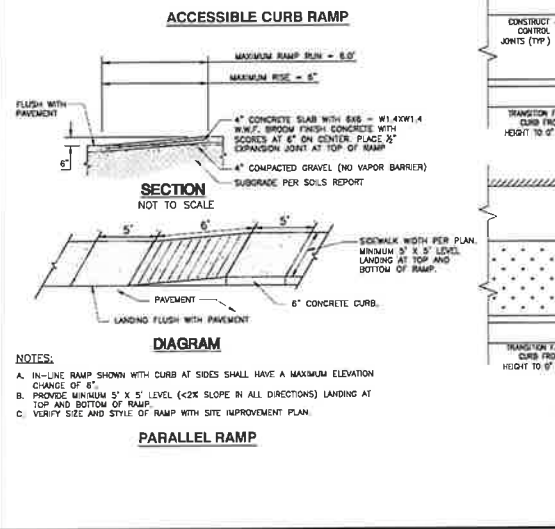
1. MATERIALS FOR CONSTRUCTION SHALL BE BLACK VINYL COATED STEEL.
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW.
3. PROVIDE PRIVACY SLATS WHERE INDICATED ON PLANS.



ACCESSIBLE CURB RAMP

NOTES:

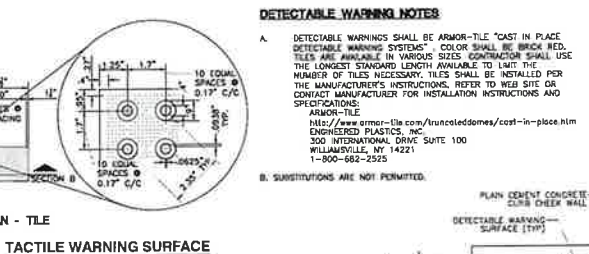
1. LANDINGS SHALL BE LEVEL (LESS THAN 2% SLOPE IN ALL DIRECTIONS) AND PROVIDED AT THE TOP AND BOTTOM OF ALL ACCESSIBLE RAMPS.
2. LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING.
3. LANDING CLEAR LENGTH SHALL BE 5' LONG MINIMUM.
4. LANDINGS THAT REQUIRE A CHANGE IN DIRECTION BETWEEN RAMP RUNS SHALL HAVE A CLEAR LANDING 60" MINIMUM BY 60" MINIMUM.



PARALLEL RAMP

NOTES:

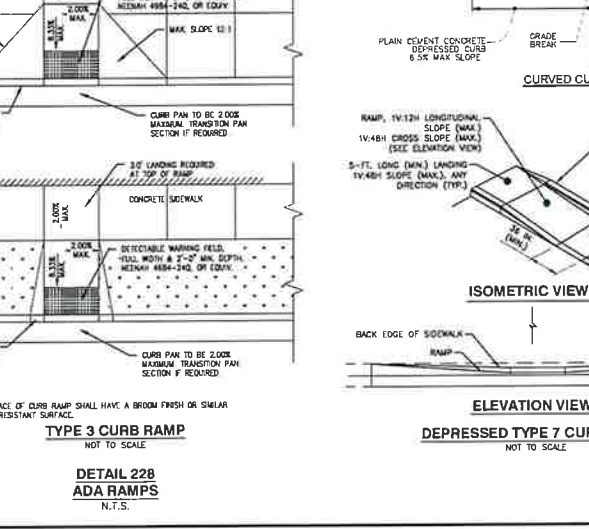
- A. IN-LINE RAMP SHOWN WITH CURB AT SIDES SHALL HAVE A MAXIMUM ELEVATION CHANGE OF 8".
- B. PROVIDE MINIMUM 5' X 5' LEVEL (<2% SLOPE IN ALL DIRECTIONS) LANDING AT TOP AND BOTTOM OF RAMP.
- C. VERIFY SIZE AND STYLE OF RAMP WITH SITE IMPROVEMENT PLAN.



TACTILE WARNING SURFACE

NOTES:

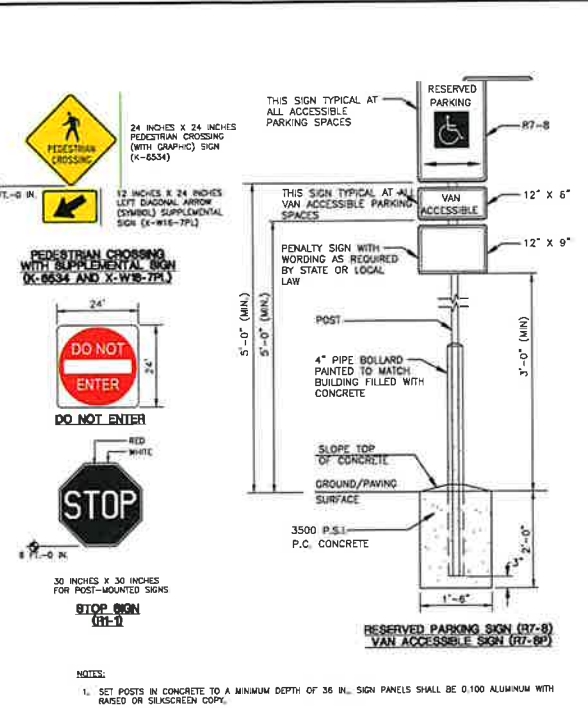
- A. DETECTABLE WARNINGS SHALL BE ARMOR-TILE "CAST IN PLACE DETECTABLE WARNING SYSTEMS" COLOR SHALL BE BROWN RED. TILES ARE AVAILABLE IN VARIOUS SIZES. CONTRACTOR SHALL USE THE LONGEST STANDARD LENGTH AVAILABLE TO LIMIT THE NUMBER OF TILES NECESSARY. TILES SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS. REFER TO WEB SITE OR CONTACT MANUFACTURER FOR INSTALLATION INSTRUCTIONS AND SPECIFICATIONS.
- B. SUBSTITUTIONS ARE NOT PERMITTED.



DETAIL 228 ADA RAMPS N.T.S.

NOTES:

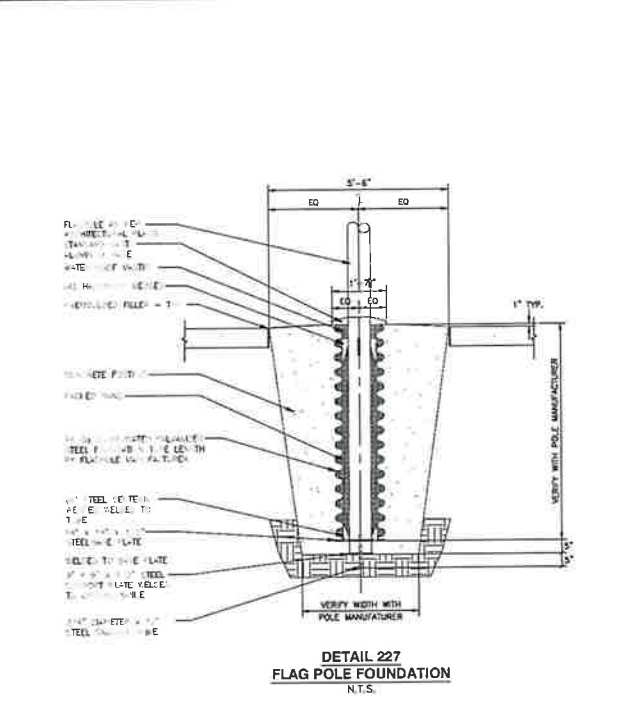
1. SURFACE OF CURB RAMP SHALL HAVE A BROOM FRESH OR SMOAR SLP FINISH SURFACE.



DETAIL 226 SIGNS N.T.S.

NOTES:

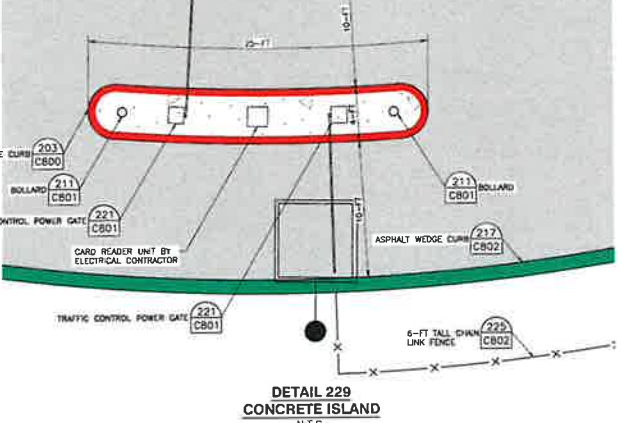
1. SET POSTS IN CONCRETE TO A MINIMUM DEPTH OF 36 IN. SIGN PANELS SHALL BE 0.100 ALUMINUM WITH BRASS OR BRASS-PAN COPIES.
2. FOR POST MOUNTING, USE NON-CORROSIVE 3/8 IN. 2. MACHINE BOLTS W/WASHERS, 2 PER SIGN, OR IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
3. FOR WALL MOUNTING, USE NON-CORROSIVE 3/8 IN. LAG BOLTS W/LEAD EXPANSION SHIELD, 4 PER SIGN.
4. ALL TRAFFIC CONTROL SIGNS, SIGN POSTS, AND SIGN HARDWARE SHALL SATISFY THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 931 AND SECTION 1103.
5. ALL ACCESSIBLE PARKING SIGNAGE IS TO BE INSTALLED WITH THE BOTTOM EDGE OF THE LOWEST SIGN AT LEAST 90 IN ABOVE FINISHED GRADE.
6. THE AMOUNT SHALL BE DELETED IN ACCORDANCE WITH LOCAL LAW. THE AMOUNT SHOWN HEREON IS REPRESENTATIVE ONLY. COORDINATE POSTING OF FINE AMOUNT WITH LOCAL LAW ENFORCEMENT AGENCY.
7. STOP BAR MUST BE PAINTED WHITE.



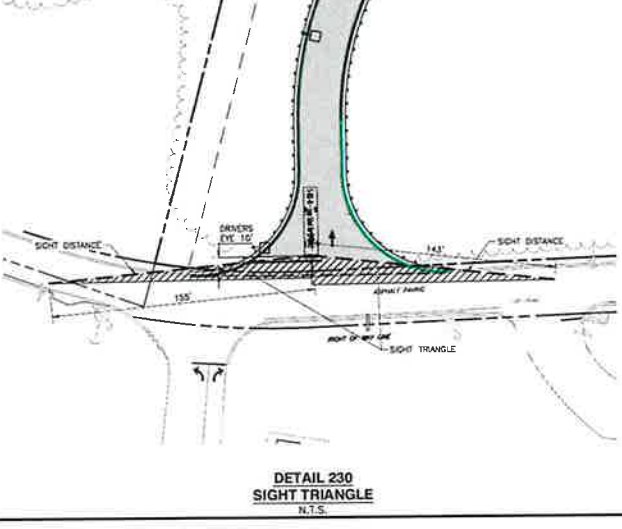
DETAIL 227 FLAG POLE FOUNDATION N.T.S.

NOTES:

1. SET POSTS IN CONCRETE TO A MINIMUM DEPTH OF 36 IN. SIGN PANELS SHALL BE 0.100 ALUMINUM WITH BRASS OR BRASS-PAN COPIES.
2. FOR POST MOUNTING, USE NON-CORROSIVE 3/8 IN. 2. MACHINE BOLTS W/WASHERS, 2 PER SIGN, OR IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
3. FOR WALL MOUNTING, USE NON-CORROSIVE 3/8 IN. LAG BOLTS W/LEAD EXPANSION SHIELD, 4 PER SIGN.
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6. THE AMOUNT SHALL BE DELETED IN ACCORDANCE WITH LOCAL LAW. THE AMOUNT SHOWN HEREON IS REPRESENTATIVE ONLY. COORDINATE POSTING OF FINE AMOUNT WITH LOCAL LAW ENFORCEMENT AGENCY.
7. STOP BAR MUST BE PAINTED WHITE.



DETAIL 229 CONCRETE ISLAND N.T.S.



DETAIL 230 SIGHT TRIANGLE N.T.S.



4350 Northern Pike
 Suite 141
 Plumville, PA 15146
 Ph: 724.327.5200
 www.ecinc.com

ECI
 Civil & Environmental
 Consultants, Inc.

REV	DATE	DESCRIPTION	BY	CHK
1	08/14/2025	ISSUE FOR PERMIT	JMB	JMB
2	08/14/2025	TOWNSHIP AND AEC COMMENT LETTER AUGUST 14, 2025	JMB	JMB

REVISIONS AND COMMENTS: MAY 14, 2025
 2. TOWNSHIP AND AEC COMMENT LETTER AUGUST 14, 2025

TOWNSHIP AND AEC COMMENT LETTER AUGUST 14, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY

3600 OLD OAKDALE RD MCDONALD, PA, 15067
 SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3600 OLD OAKDALE RD
 MCDONALD, PA, 15067

SITE DETAILS (3 OF 6)

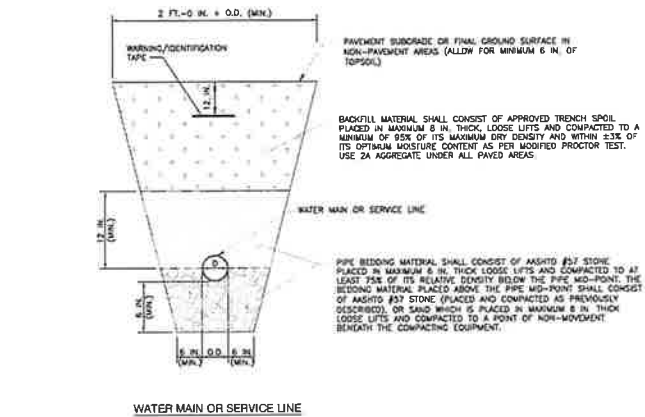
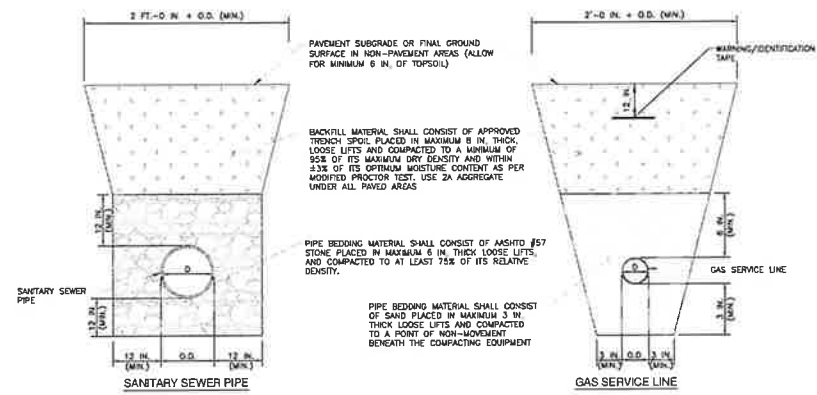


TABLE 2: BACKFILL MATERIAL AND COMPACTION REQUIREMENTS

DESCRIPTION	ASTM D2321	ASTM D4957	AWSD (MCS)	MIN. MODIFIED PROCTOR DENSITY %
GRAVEL OR CRUSHED STONE, GRAVEL	CLASS II	GW	57	95%
		SW	56	95%
WELL-GRADED SAND, GRAVELS AND GRAVELS/MIXTURES, POORLY GRADED SAND, GRAVELS AND GRAVELS/MIXTURES, (LITTLE TO NO FINE)	CLASS II	GW	57	95%
		SW	56	95%
SILT OR CLAYEY GRAVEL, GRAVELS/SAND/SILT OR GRAVELS AND CLAYEY SANDS, SAND/CLAY OR SAND/SILT MIXTURES	CLASS II	GW	57	95%
		SW	56	95%

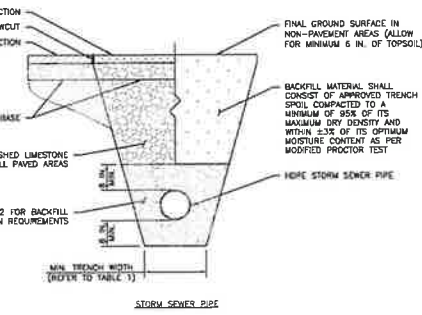
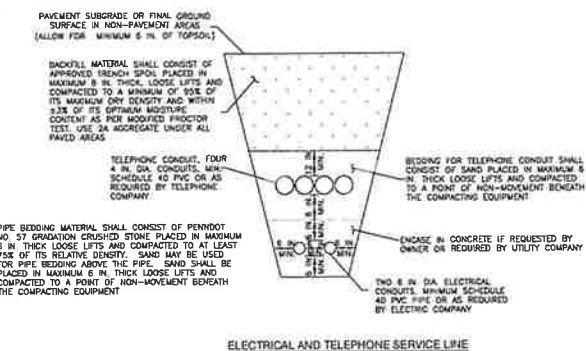
UTILITY	MINIMUM COVER REQUIRED *
STORM SEWER	2.0 FT.
SANITARY SEWER	4.0 FT.
WATERLINE	4.0 FT.
GAS LINE	2.0 FT.
ELECTRIC LINE	3.75 FT.
TELEPHONE LINE	2.5 FT.

* AS MEASURED FROM TOP OF PIPE TO FINAL GROUND SURFACE (VEGETATED AREA)

NOTES:

- ALL MATERIALS EXCAVATED FROM THE UTILITY TRENCH SHALL BE STOCKPILED A MINIMUM SUFFICIENT DISTANCE FROM ALL TRENCHES TO PREVENT SLIDES OR CAVE-INS.
- ALL BACKFILL MATERIALS SHALL BE APPROVED BY THE GENERAL CONTRACTOR OR HIS REPRESENTATIVE BEFORE BEING PLACED.
- THE ASPHALT #57 STONE SHALL BE CRUSHED Limestone THAT SATISFIES THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 703.
- THE MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT FOR THE BACKFILL MATERIALS SHALL BE DETERMINED BY ASTM D1557, AND THE RELATIVE DENSITY OF THE ASPHALT #57 STONE SHALL BE DETERMINED BY ASTM D4957 AND ASTM D694.
- THE CONTRACTOR SHALL CONSTRUCT THE UTILITY TRENCHES AND PROVIDE ADEQUATE SHORING (WHEN NECESSARY) IN CONFORMANCE WITH THE LATEST REQUIREMENTS FOR CONSTRUCTION STANDARDS FOR EXCAVATIONS (29 CFR PART 1926.850-852 SUBPART F) PROMULGATED BY OSHA.
- THE CONTRACTOR SHALL VERIFY THAT THE MINIMUM SPECIFIED PIPE COVER IS PROVIDED BETWEEN THE FINAL GROUND SURFACE AND TOP OF PIPE BEFORE LAYING PIPE. PROVIDE A MINIMUM OF 3 FT. OF COVER ABOVE ALL PIPES DURING CONSTRUCTION.
- THE TELEPHONE AND ELECTRIC CONDUIT WILL NOT SHARE THE SAME UTILITY TRENCH WHERE THEY ARE SEPARATED AT THE MANHOLE/VAULT LOCATIONS.
- INCREASE TRENCH WIDTH AS NECESSARY TO ALLOW FOR PROPER COMPACTION OF BEDDING/BACKFILL.
- HOPK AND HEP STORM SEWER PIPE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

DETAIL 501 UTILITY TRENCH DETAILS N.T.S.

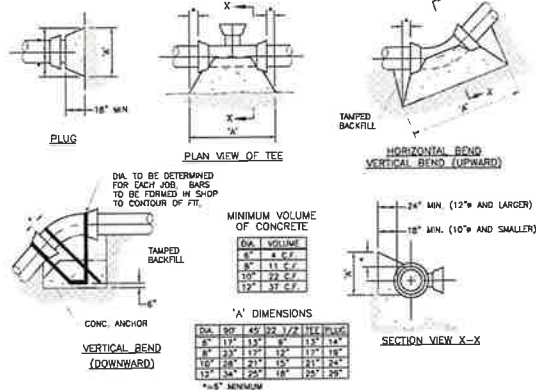


COVER REQUIREMENTS

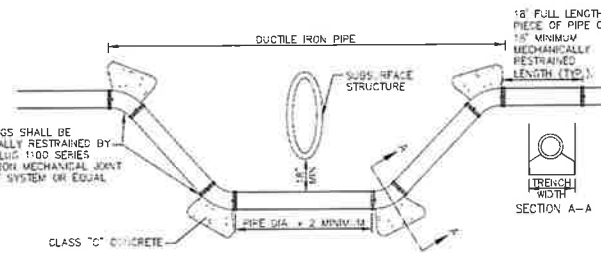
- CONCRETE, CONCRETE MATERIAL, FORMING, PLACING, FURNISHING, AND CURING FOR THRUST BLOCKS SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE SPECIFICATIONS. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", ACI 318, LATEST EDITION.
- ALL CONCRETE REINFORCING BARS SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI, AND SHALL CONFORM TO THE CURRENT ASTM DESIGNATION A615, "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT".
- TABLES ARE BASED ON ALLOWABLE EARTH PRESSURE OF 2,500 PSF. IF SOILS ENCOUNTERED AT THE TIME OF EXCAVATION DEMONSTRATE LOWER ALLOWABLE BEARING PRESSURE, THE AREA OF THE BLOCK MUST BE INCREASED PROPORTIONALLY.
- TABLES APPLY TO PRESSURE IN THE PIPE OF NOT MORE THAN 150 PSI.
- CONCRETE TO BE 3,500 PSI CONCRETE.
- ALL THRUST BLOCKS TO BE CARRIED TO UNDISTURBED EARTH.
- CONCRETE ANCHOR DETAIL FOR FIRE LINE SHALL BE PROVIDED IN ACCORDANCE WITH THE MUNICIPAL SEWER AND WATER AUTHORITY.

TABLE 1: MINIMUM TRENCH WIDTHS

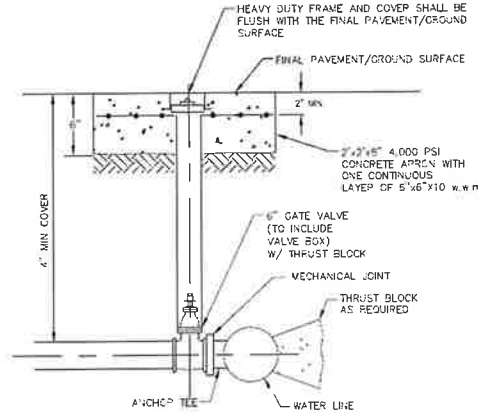
PIPE DIAMETER (in.)	TRENCH WIDTH (in.)
4-10	28
12	30
15	34
18	39
24	48
30	56
36	64
42	72
48	80
54	88
60	96



DETAIL 502 TYPICAL WATERLINE CONCRETE THRUST BLOCKING N.T.S.



DETAIL 503 WATER MAIN OFFSET DETAIL NOT TO SCALE



DETAIL 504 TYPICAL GATE VALVE INSTALLATION NOT TO SCALE



4350 Northern Pike
Suite 141
Pittsburgh, PA 15146
Ph: 724.327.5200
www.cetinc.com

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Civil & Environmental
Consultants, Inc.

NO.	REVISION	DATE	BY	CHK
1	ISSUED FOR PERMIT	08/01/2025	MM	MM
2	TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025	08/11/2025	MM	MM
3	TOWNSHIP AND ACED COMMENT LETTER AUGUST 1, 2025	08/11/2025	MM	MM

REVISIONS:
1 TOWNSHIP AND ACED COMMENT LETTER AUGUST 1, 2025
2 TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY

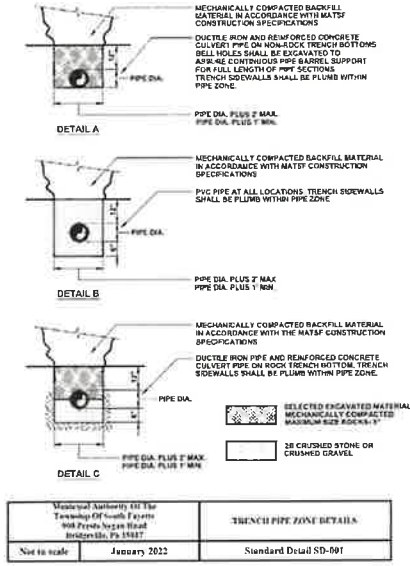
3600 OLD OAKDALE RD
MCDONALD, PA, 15087
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT
MCDONALD, PA, 15087

SITE DETAILS (4 OF 6)

Proj No: 24-S48-01B
Issue Date: 05/06/2025

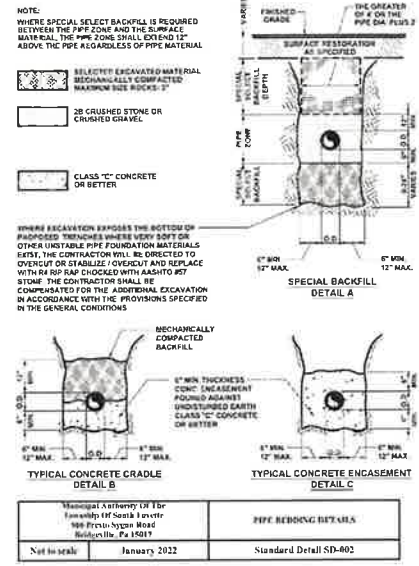
C803

C:\p\m\m



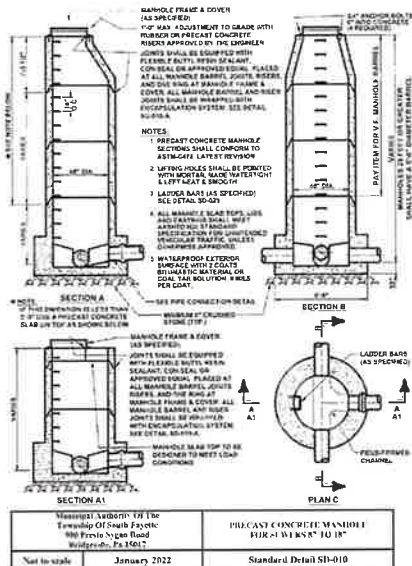
Municipal Authority of the Township of South Fayette 900 Pines Road Bradford, PA 15017	TRENCH PIPE JOINT DETAILS
Not to scale	January 2022
	Standard Detail SD-091

**DETAIL 505
SANITARY TRENCHING**
N.T.S.



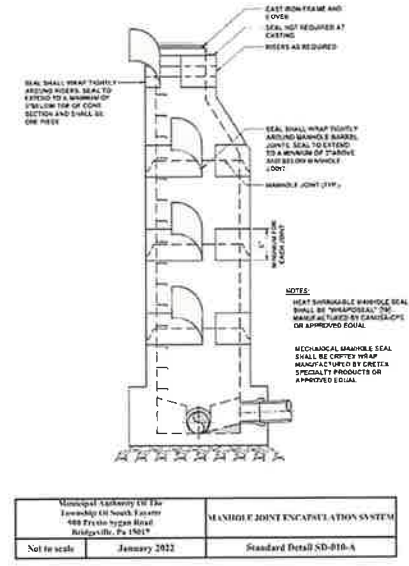
Municipal Authority of the Township of South Fayette 900 Pines Road Bradford, PA 15017	PIPE BEDDING DETAILS
Not to scale	January 2022
	Standard Detail SD-402

**DETAIL 506
SANITARY BEDDING**
N.T.S.



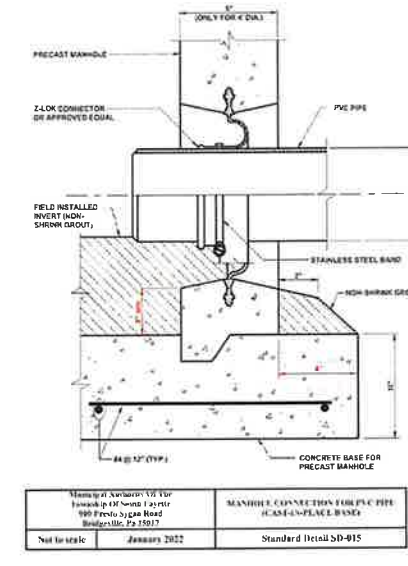
Municipal Authority of the Township of South Fayette 900 Pines Road Bradford, PA 15017	PRECAST CONCRETE MANHOLE
Not to scale	January 2022
	Standard Detail SD-010

**DETAIL 507
PRECAST SANITARY MH (SIZE 8" TO 18")**
N.T.S.



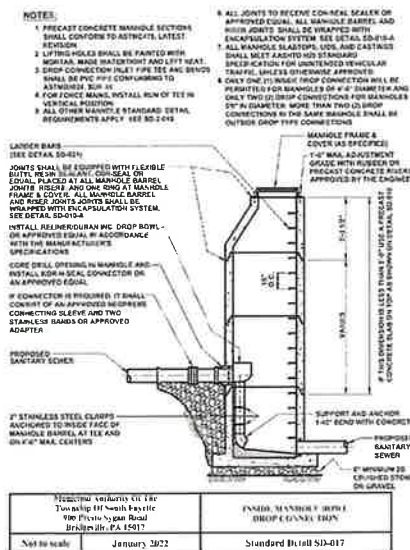
Municipal Authority of the Township of South Fayette 900 Pines Road Bradford, PA 15017	MANHOLE JOINT ENCAPSULATION SYSTEM
Not to scale	January 2022
	Standard Detail SD-010-A

**DETAIL 508
SANITARY MANHOLE JOINT SYSTEM**
N.T.S.



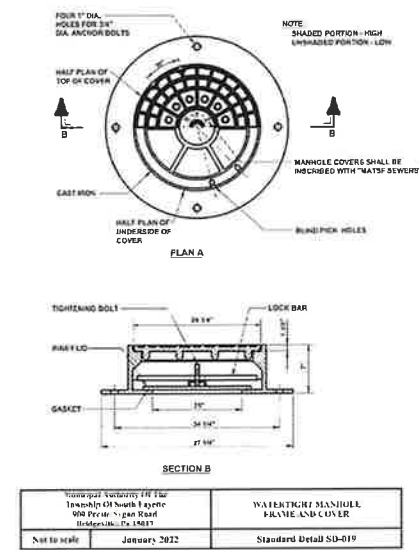
Municipal Authority of the Township of South Fayette 900 Pines Road Bradford, PA 15017	MANHOLE CONNECTION FOR PVC PIPE
Not to scale	January 2022
	Standard Detail SD-015

**DETAIL 509
PVE PIPE SANITARY CONNECTION**
N.T.S.



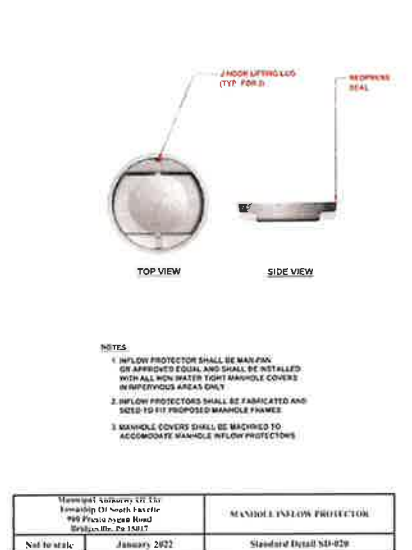
Municipal Authority of the Township of South Fayette 900 Pines Road Bradford, PA 15017	INSIDE DROP MANHOLE
Not to scale	January 2022
	Standard Detail SD-017

**DETAIL 510
SANITARY INSIDE DROP MANHOLE**
N.T.S.



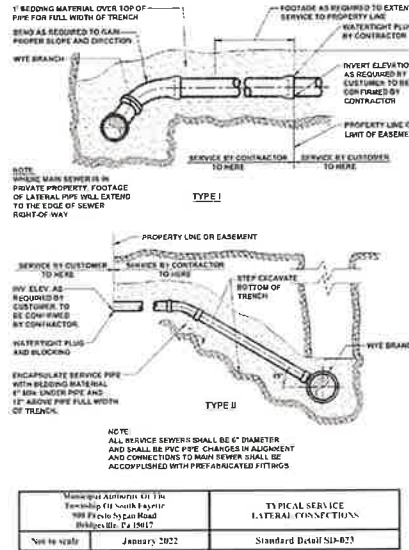
Municipal Authority of the Township of South Fayette 900 Pines Road Bradford, PA 15017	MANHOLE FRAME AND COVER
Not to scale	January 2022
	Standard Detail SD-019

**DETAIL 511
SANITARY MANHOLE FRAME AND COVER**
N.T.S.



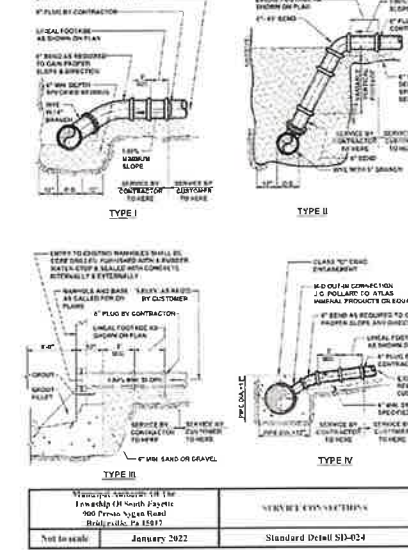
Municipal Authority of the Township of South Fayette 900 Pines Road Bradford, PA 15017	MANHOLE INFLOW PROTECTOR
Not to scale	January 2022
	Standard Detail SD-020

**DETAIL 512
SANITARY INFLOW PROTECTOR**
N.T.S.



Municipal Authority of the Township of South Fayette 900 Pines Road Bradford, PA 15017	TYPICAL SERVICE LATERAL CONNECTIONS
Not to scale	January 2022
	Standard Detail SD-023

**DETAIL 513
SANITARY LATERALS**
N.T.S.



Municipal Authority of the Township of South Fayette 900 Pines Road Bradford, PA 15017	SERVICE CONNECTIONS
Not to scale	January 2022
	Standard Detail SD-024

**DETAIL 514
SERVICE CONNECTIONS**
N.T.S.



4330 Northern Pike
Suite 141
Pilesgrove, PA 15146
Ph: 724.327.5200
www.ecnic.com

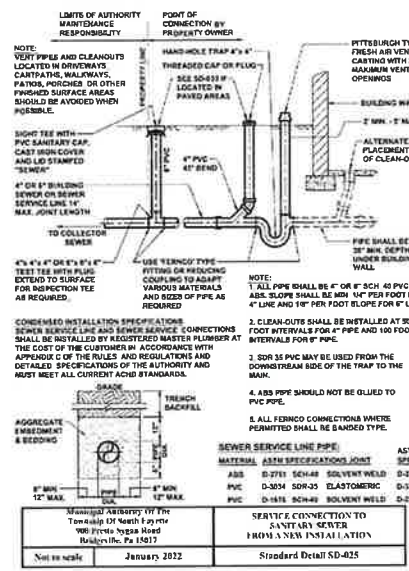
ECNIC
Civil & Environmental
Consultants, Inc.

DATE	DESCRIPTION
05/20/25	ISSUE FOR PERMIT
05/20/25	ISSUE FOR PERMIT
05/20/25	ISSUE FOR PERMIT
05/20/25	ISSUE FOR PERMIT

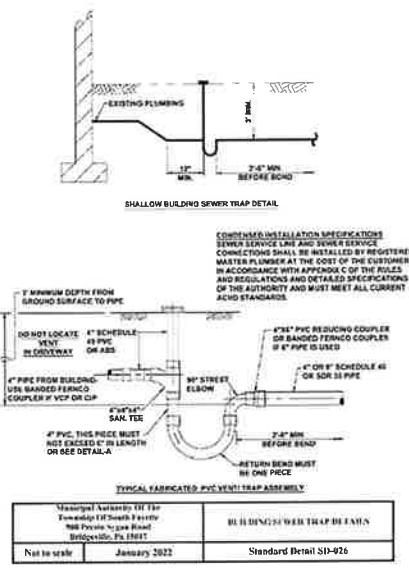
TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3600 OLD OAKDALE RD MCDONALD, PA, 15057
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD
MCDONALD, PA, 15057

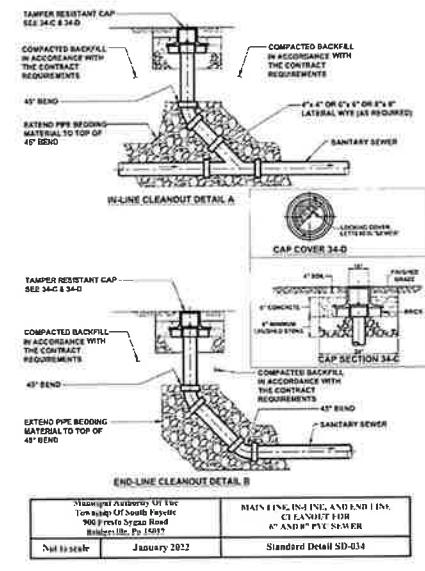
SITE DETAILS (5 OF 6)



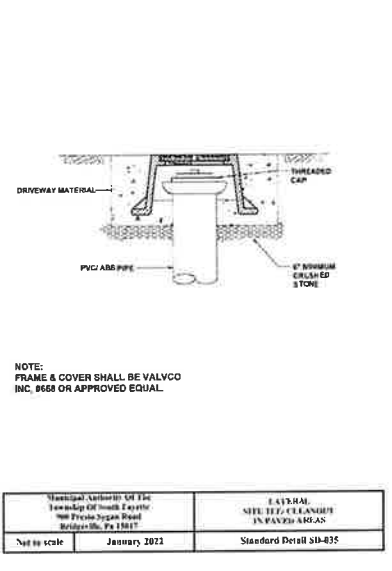
DETAIL 515
NEW SANITARY INSTALLATIONS
N.T.S.



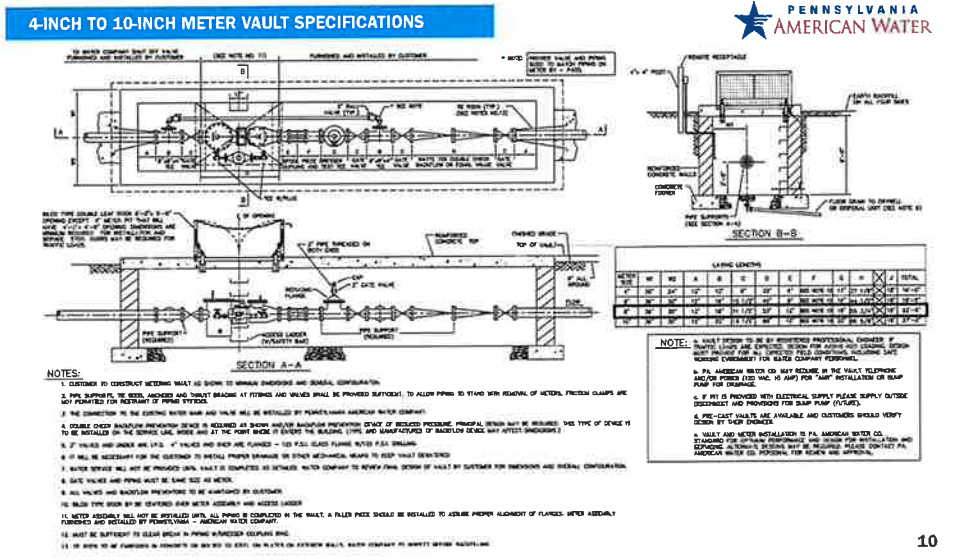
DETAIL 516
SANITARY TRAP AT BUILDING
N.T.S.



DETAIL 517
CLEANOUTS
N.T.S.



DETAIL 518
CLEANOUT IN PAVED AREAS
N.T.S.



DETAIL 519
WATER VAULT
N.T.S.



4350 Northern Pike
Suite 141
Monroeville, PA 15146
Ph: 724.327.5200
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CCC
Civil & Environmental
Consultants, Inc.

Prepared by: [Name]	Checked by: [Name]
Reviewed by: [Name]	Approved by: [Name]

REVISIONS:
1. TOWNSHIP AND AGED COMMENT LETTER AUGUST 1, 2025
2. TOWNSHIP AND AGED COMMENT LETTER AUGUST 1, 2025

TOWNSHIP AND AGED COMMENT LETTER AUGUST 1, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3600 OLD OAKDALE RD MCDONALD, PA, 15087
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD
MCDONALD, PA, 15087

SITE DETAILS (6 OF 6)

Proj No: 24-549-01B
Issue Date: 06/06/2025

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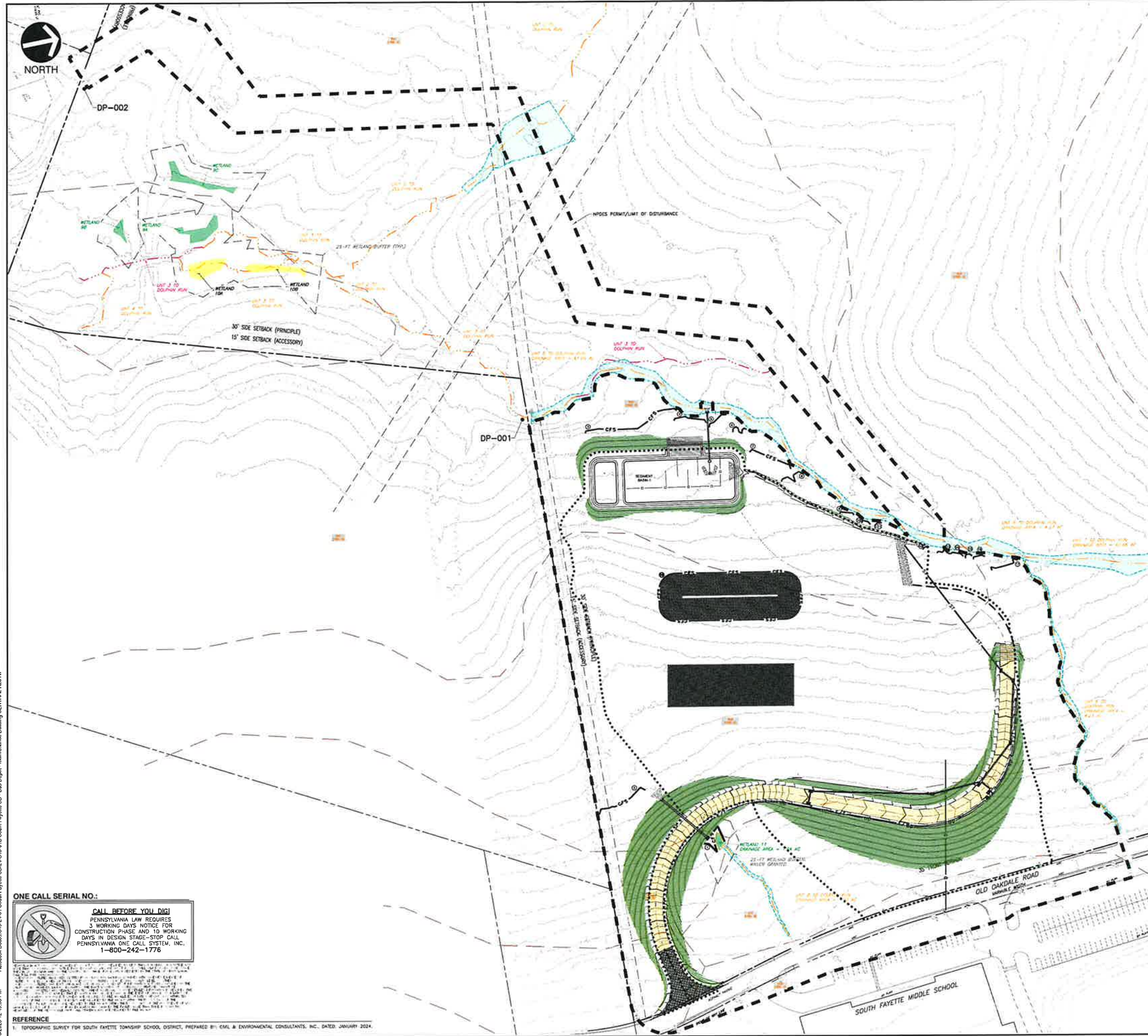
5/20/25 12:49:08 PM Autodesk Docs/5/29/24/01 South Fayette SD/24-549-01B South Fayette SD - Bus Depot - Maintenance Building CONTROL R23.rvt

ONE CALL SERIAL NO.:



CALL BEFORE YOU DIG!
 PENNSYLVANIA LAW REQUIRES
 3 WORKING DAYS NOTICE FOR
 CONSTRUCTION PHASE AND 10 WORKING
 DAYS IN DESIGN STAGE- STOP CALL
 PENNSYLVANIA ONE CALL SYSTEM, INC.
 1-800-242-1776

REFERENCE
 1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY C&E & ENVIRONMENTAL CONSULTANTS, INC., DATED JANUARY 2024.



LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- EXISTING RIGHT-OF-WAY
- EXISTING ADJ. CONTIG. PROP.
- EXISTING INTERMEDIATE CONTOUR
- EXISTING FENCE LINE
- EXISTING DITCH FLOW LINE
- EXISTING STORM PIPE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING OVERHEAD WIRE
- EXISTING TREELINE
- SIGN
- WATER BOX (WATER VALVE)
- FIRE HYDRANT
- WATER MANHOLE
- WATER WALK
- WATERLINE MARKER
- GAS LINE MARKER
- CUT WIRE
- CUT POLE
- EXISTING FEMA FLOODPLAIN
- EXISTING WETLAND
- BORING LOCATION
- EXISTING WETLAND - PDM
- EXISTING WETLAND - PFD
- EXISTING WETLAND - PSS
- EXISTING EPHEMERAL STREAM
- EXISTING INTERMITTENT STREAM
- CALCULATED 100-YR WSE
- EXISTING PERENNIAL STREAM
- PROPOSED SUPPRESSED CONCRE. CURB
- PROPOSED ASPHALT WEDGE CURB
- PROPOSED CONCRETE
- PROPOSED STRIPING
- PROPOSED SIDEWALK
- PROPOSED HEAVY DUTY ASPHALT
- PROPOSED LIGHT DUTY ASPHALT
- PROPOSED TREELINE
- PROPOSED FENCE
- PROPOSED SIGNAGE
- PROPOSED LIGHT POST
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED SLOPE LABEL
- PROPOSED SPOT ELEVATION
- CURB ELEVATIONS
- CURB ELEVATIONS
- PROPOSED STORM PIPE
- PROPOSED INLET TYPES
- PROPOSED STORM MANHOLE
- PROPOSED ENDWALL W/ RIPRAP
- PROPOSED UNDERDRAIN
- PROPOSED SINGLE LINE STORM PIPE
- PROPOSED TIE DRAIN
- INFILTRATION TEST LOCATION
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY MANHOLE
- PROPOSED SANITARY CLEANOUT
- PROPOSED WATER LINE
- PROPOSED GAS LINE
- PROPOSED ELECTRIC/TELEPHONE
- NPDES PERMIT/LIMIT OF DISTURBANCE
- HSD SOIL WASH
- COMPOST FILTER SOCK
- ORANGE CONSTRUCTION FENCING
- TOPSOIL STOCK PILE
- ROCK CONSTRUCTION ENTRANCE
- INLET PROTECTION
- EROSION CONTROL BLANKETING
- PROPOSED RIPRAP APRON

COMPOST FILTER SOCK TABLE

BARBER ID	SIZE
1	12" COMPOST FILTER SOCK
2	12" COMPOST FILTER SOCK
3	12" COMPOST FILTER SOCK
4	12" COMPOST FILTER SOCK
5	12" COMPOST FILTER SOCK
6	12" COMPOST FILTER SOCK
7	12" COMPOST FILTER SOCK
8	12" COMPOST FILTER SOCK
9	12" COMPOST FILTER SOCK
10	12" COMPOST FILTER SOCK
11	12" COMPOST FILTER SOCK
12	12" COMPOST FILTER SOCK
13	12" COMPOST FILTER SOCK
14	12" COMPOST FILTER SOCK
15	12" COMPOST FILTER SOCK
16	12" COMPOST FILTER SOCK
17	12" COMPOST FILTER SOCK
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COMPOST FILTER SOCK TABLE - SANITARY LINE

BARBER ID	SIZE
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50	12" COMPOST FILTER SOCK

SCALE IN FEET
 0 60 120

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 470 Washington Road, Pitsburgh, PA 15228
 412.551.7117 www.draycollective.com



4350 Northern Pike
 Suite 141
 Monroeville, PA 15146
 Ph: 724.327.5200
 www.cectic.com

CEC
 Civil & Environmental
 Consultants, Inc.

REVISIONS
 1. ACCORDING TO COMMENTS LETTER JULY 15, 2025
 2. TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

SCALE: AS SHOWN
 CREDITED BY: JMB
 CHECKED BY: JMB
 DRAWN BY: JMB
 *HEAD & DATE TAKE ON FILE

TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

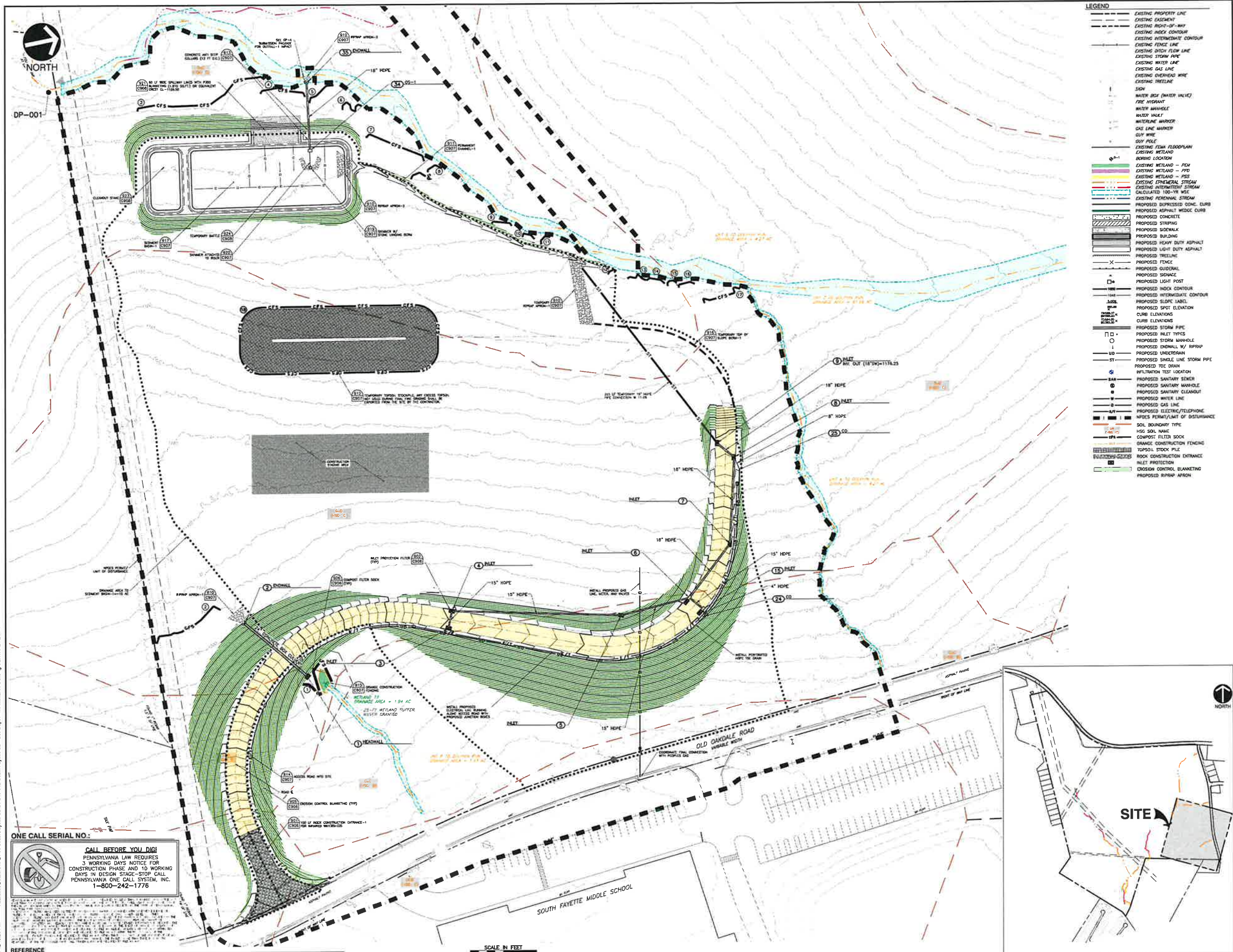
NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
 3680 OLD OAKDALE RD MCDONALD, PA, 15057
 SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD
 MCDONALD, PA, 15057

OVERALL E&S CONTROL PLAN - PHASE 1

FIG. NO. 24-549-01B
 Issue Date 05/06/2025

C900A

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LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- EXISTING RIGHT-OF-WAY
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EXISTING FENCE LINE
- EXISTING DITCH FLOW LINE
- EXISTING STORM PIPE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING OVERHEAD WIRE
- EXISTING TIE LINE
- SIGN
- WATER BOX (WATER VALVE)
- FIRE HYDRANT
- WATER MANHOLE
- WATER WALK
- WATERLINE MANHOLE
- GAS LINE MANHOLE
- GUY WIRE
- GUY POLE
- EXISTING FEAM FLOODPLAIN
- EXISTING WETLAND
- BORING LOCATION
- EXISTING WETLAND - PERM
- EXISTING WETLAND - PFD
- EXISTING WETLAND - PSS
- EXISTING EPHEMERAL STREAM
- EXISTING INTERMITTENT STREAM
- CALCULATED 100-YR WSE
- EXISTING PERENNIAL STREAM
- PROPOSED SUPPRESSED CONC. CURB
- PROPOSED ASPHALT WEDGE CURB
- PROPOSED CONCRETE
- PROPOSED STRIPING
- PROPOSED SIDEWALK
- PROPOSED BUILDING
- PROPOSED HEAVY DUTY ASPHALT
- PROPOSED LIGHT DUTY ASPHALT
- PROPOSED TREE LINE
- PROPOSED FENCE
- PROPOSED SIGNAGE
- PROPOSED SIGNAGE
- PROPOSED LIGHT POST
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED SLOPE LABEL
- PROPOSED SPOT ELEVATION
- CURB ELEVATIONS
- CURB ELEVATIONS
- PROPOSED STORM PIPE
- PROPOSED MANHOLE TYPES
- PROPOSED STORM MANHOLE W/ RRAP
- PROPOSED UNDERDRAIN
- PROPOSED SINGLE LINE STORM PIPE
- PROPOSED TIE DRAIN
- INFILTRATION TEST LOCATION
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY MANHOLE
- PROPOSED SANITARY CLEANOUT
- PROPOSED WATER LINE
- PROPOSED GAS LINE
- PROPOSED ELECTRIC/TELEPHONE
- WPI'S PERM/LIMIT OF DISTURBANCE
- SOIL BOUNDARY TYPE
- SOIL NAME
- COMPOST FILTER SOCK
- GRASS CONSTRUCTION FENCING
- TOPSOIL STOCK PILE
- ROCK CONSTRUCTION ENTRANCE
- INLET PROTECTION
- EROSION CONTROL BLANKETING
- PROPOSED RRAP APRON

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 470 Washington Road, Pottsville, PA 15228
 412.851.7117 www.drawcollective.com



4350 Northern Pike
 Suite 141
 Pottsville, PA 15146
 Ph: 717.327.5200
 www.ccecinc.com
Civil & Environmental Consultants, Inc.

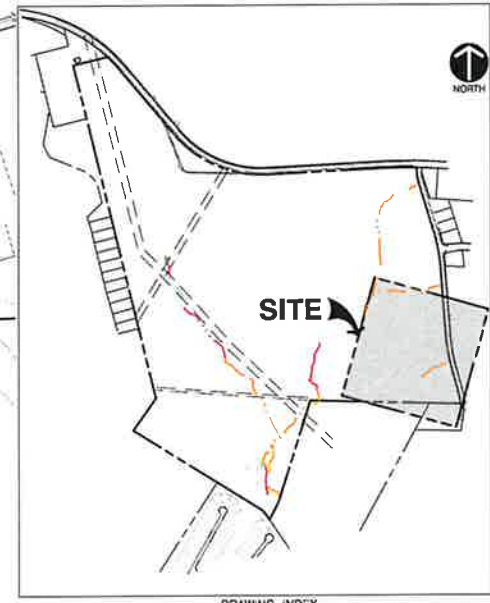
DATE: 08/08/2025
 SCALE: AS SHOWN
 CHECKED BY: ALM
 DESIGNED BY: ALM
 DRAWN BY: ALM

REVISIONS:
 1. TOWNSHIP AND ACED COMMENT LETTER AUGUST 1, 2025
 2. TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

ONE CALL SERIAL NO:
CALL BEFORE YOU DIG!
 PENNSYLVANIA LAW REQUIRES
 3 WORKING DAYS NOTICE FOR
 CONSTRUCTION PHASE AND 10 WORKING
 DAYS IN DESIGN STAGE-STOP CALL
 PENNSYLVANIA ONE CALL SYSTEM, INC.
 1-800-242-1776

REFERENCE
 1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY: CML & ENVIRONMENTAL CONSULTANTS, INC., DATED: JANUARY 2024.



NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
 3680 OLD OAKDALE RD MCDONALD, PA, 15057
 SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD
 MCDONALD, PA, 15057

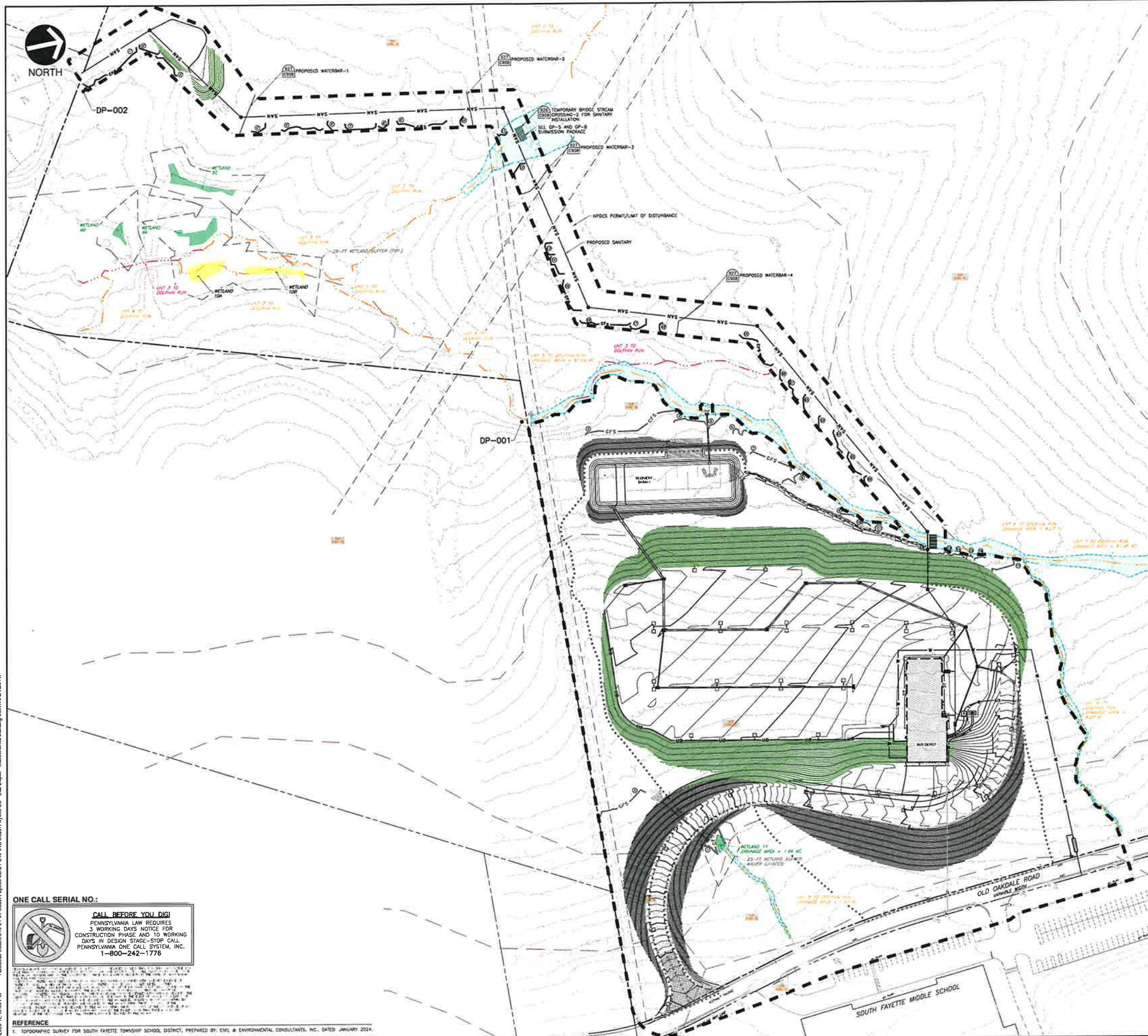
E&S CONTROL PLAN - PHASE 1

Proj No. 24-545-01B
 Issue Date: 06/05/2025

C900B

c comment
 2025

5/23/2025 12:49:08 PM Autodesk Docs (S)5924101 South Fayette SD(4)545-01B South Fayette SD - Bus Depot - Maintenance Building CENTRAL R23.rvt



- LEGEND**
- EXISTING PROPERTY LINE
 - - - EXISTING EASEMENT
 - - - EXISTING RIGHT-OF-WAY
 - - - EXISTING INDEX CONTOUR
 - - - EXISTING INTERMEDIATE CONTOUR
 - - - EXISTING FENCE LINE
 - - - EXISTING DITCH FLOW LINE
 - - - EXISTING STORM PIPE
 - - - EXISTING WATER LINE
 - - - EXISTING GAS LINE
 - - - EXISTING OVERHEAD WIRE
 - - - EXISTING TIE/TRACE
 - WATER BOX (WATER VALVE)
 - FIRE HYDRANT
 - WATER MANHOLE
 - WATER VALVE
 - WATERLINE MARKER
 - GAS LINE MARKER
 - GUY WIRE
 - GUY PILE
 - EXISTING FEMA FLOODPLAIN
 - EXISTING WETLAND
 - BORING LOCATION
 - EXISTING WETLAND - PFM
 - EXISTING WETLAND - PFD
 - EXISTING WETLAND - PSS
 - EXISTING PERENNIAL STREAM
 - EXISTING INTERMITTENT STREAM
 - CALCULATED 100-YR WSE
 - EXISTING PERENNIAL STREAM
 - PROPOSED SUPPRESSED CONC. CURB
 - PROPOSED ASPHALT WEDGE CURB
 - PROPOSED CONCRETE
 - PROPOSED STRIPING
 - PROPOSED SIDEWALK
 - PROPOSED BUILDING
 - PROPOSED HEAVY DUTY ASPHALT
 - PROPOSED LIGHT DUTY ASPHALT
 - PROPOSED TREE LINE
 - PROPOSED FENCE
 - PROPOSED GUIDELINE
 - PROPOSED SIGNAGE
 - PROPOSED LIGHT POST
 - PROPOSED INDEX CONTOUR
 - PROPOSED INTERMEDIATE CONTOUR
 - PROPOSED SLOPE LABEL
 - PROPOSED SPOT ELEVATION
 - CURB ELEVATIONS
 - CURB ELEVATIONS
 - PROPOSED STORM PIPE
 - PROPOSED INLET TYPES
 - PROPOSED STORM MANHOLE
 - PROPOSED EXDWALL W/ R/R/R/P
 - PROPOSED UNDERDRAIN
 - PROPOSED SINGLE LINE STORM PIPE
 - PROPOSED TIE DRAIN
 - INFILTRATION TEST LOCATION
 - PROPOSED SANITARY SEWER
 - PROPOSED SANITARY MANHOLE
 - PROPOSED SANITARY CLEANOUT
 - PROPOSED WATER LINE
 - PROPOSED GAS LINE
 - PROPOSED ELECTRIC TELEPHONE
 - NPODES PERMIT/LIMIT OF DISTURBANCE
 - SOIL BOUNDARY TYPE
 - HSG SOIL NAME
 - COMPOST FILTER SOCK
 - ORANGE CONSTRUCTION FENCING
 - TOPSOIL STOCK PILE
 - ROCK CONSTRUCTION ENTRANCE
 - INLET PROTECTION
 - EROSION CONTROL BLANKETING
 - PROPOSED RIPRAP APRON

COMPOST FILTER SOCK TABLE

MARKER ID	SIZE
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COMPOST FILTER SOCK TABLE - SANITARY LINE

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412.561.7117 www.DRAWcollective.com

CEC
Civil & Environmental Consultants, Inc.
4350 Northern Pike, Suite 141, Monroeville, PA 15146
Ph: 724.327.5200 www.cecinc.com

REVISIONS:
1. ADD INFORMATION TO LEGEND, LETTER AUGUST 1, 2025
2. TOWNSHIP AND AGED COMMENT LETTER AUGUST 1, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3600 OLD OAKDALE RD, MCDONALD, PA, 15057
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, 3660 OLD OAKDALE RD, MCDONALD, PA, 15057

OVERALL E&S CONTROL PLAN - PHASE 2

Proj No. 24-S49-01B
Issue Date 06/06/2025

C901A

SCALE IN FEET
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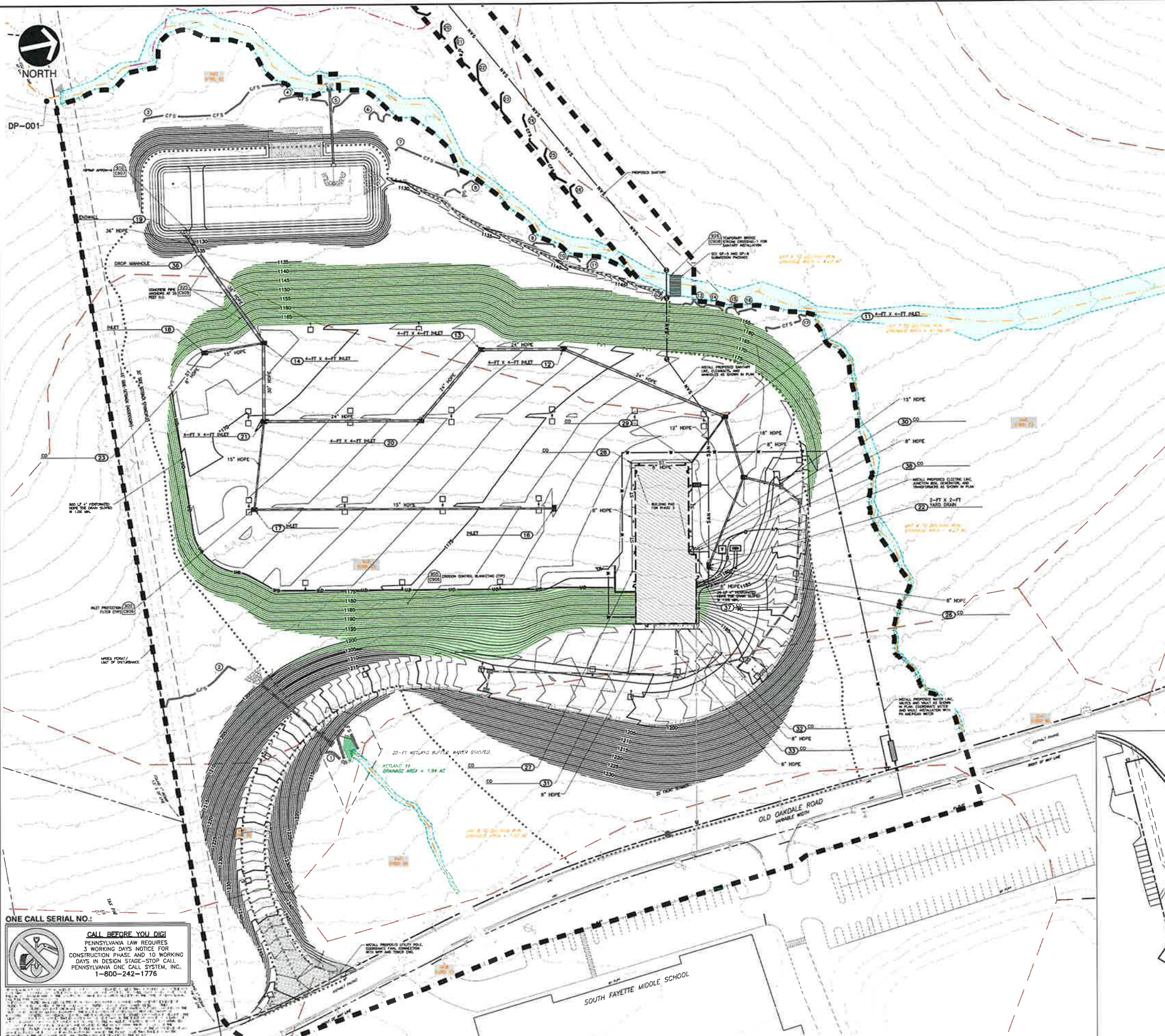
ONE CALL SERIAL NO.:

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE-STOP CALL PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776

REFERENCE
1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY C&E & ENVIRONMENTAL CONSULTANTS, INC. DATED JANUARY 2024.

5/6/2025 12:49:08 PM Autodesk Docs/5/6/2025 12:49:08 PM South Fayette SD/24-S49-01B South Fayette SD - Bus Depot - Maintenance Building/CECTR004A.R203.rvt

5/6/2025 12:49:08 PM Autodesk Docs: /5/59 24-01 South Fayette SD - Bus Depot - Maintenance Building CENTERLINE R23.rvt

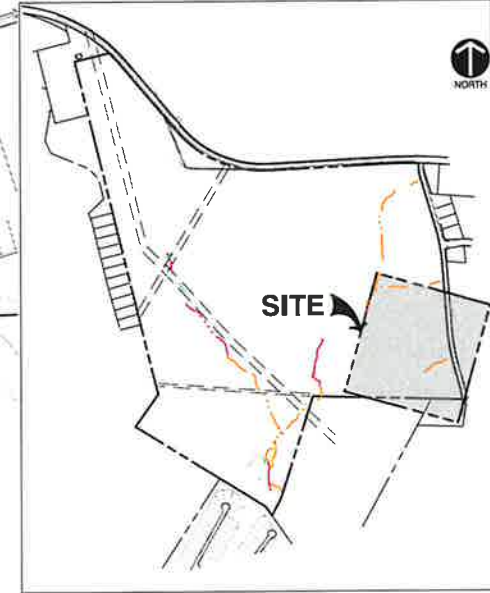


ONE CALL SERIAL NO. CALL BEFORE YOU DIG! PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE-STOP CALL PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776

REFERENCE 1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY: C&E & ENVIRONMENTAL CONSULTANTS, INC. DATED: JANUARY 2024.

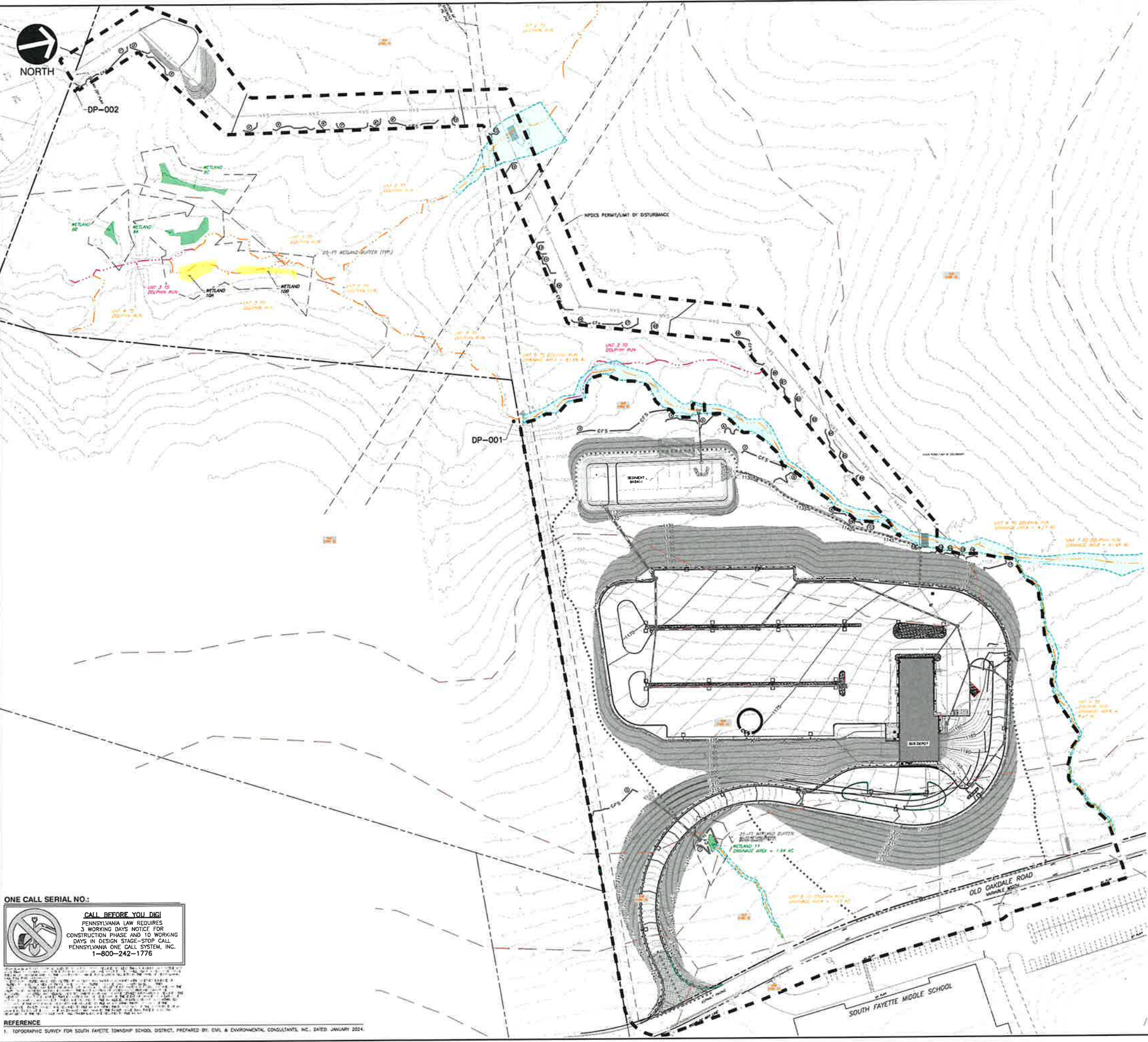
SCALE IN FEET 0 40 80

LEGEND table listing symbols for existing and proposed features: EXISTING PROPERTY LINE, EXISTING CASCAENT, EXISTING RIGHT-OF-WAY, EXISTING INDEX CONTOUR, EXISTING INTERMEDIATE CONTOUR, EXISTING FENCE LINE, EXISTING BRICK FLOW LINE, EXISTING STORM PIPE, EXISTING WATER LINE, EXISTING GAS LINE, EXISTING OVERHEAD WIRE, EXISTING TREELINE, SIGN, WATER BOX (WATER VALVE), FIRE HYDRANT, WATER MANHOLE, WATER VALVE, WATERLINE MARKER, GAS LINE MARKER, GUY WIRE, GUY POLE, EXISTING FEMA FLOODPLAIN, EXISTING WETLAND, BORING LOCATION, EXISTING WETLAND - PFM, EXISTING WETLAND - PFD, EXISTING WETLAND - PSS, EXISTING EPHEMERAL STREAM, EXISTING INTERMITTENT STREAM, CALCULATED 100-YR WSC, EXISTING PERMANENT STREAM, EXISTING SUPPRESSED CONC. CURB, PROPOSED ASPHALT WEDGE CURB, PROPOSED CONCRETE, PROPOSED STIPING, PROPOSED SIDEWALK, PROPOSED BUILDING, PROPOSED HEAVY DUTY ASPHALT, PROPOSED TRAILING, PROPOSED FENCE, PROPOSED GUARDRAIL, PROPOSED SIGNAGE, PROPOSED LIGHT POST, PROPOSED INDEX CONTOUR, PROPOSED INTERMEDIATE CONTOUR, PROPOSED SLOPE LABEL, PROPOSED SPOT ELEVATION, CURB ELEVATIONS, CURB ELEVATIONS, PROPOSED STORM PIPE, PROPOSED INLET TYPES, PROPOSED STORM MANHOLE, PROPOSED ENDWALL W/ RIPRAP, PROPOSED UNDERDRAIN, PROPOSED SINGLE LINE STORM PIPE, PROPOSED TIE DRAIN, INFILTRATION TEST LOCATION, PROPOSED SANITARY SOWER, PROPOSED SANITARY MANHOLE, PROPOSED SANITARY CLEANOUT, PROPOSED WATER LINE, PROPOSED GAS LINE, PROPOSED ELECTRIC/TELEPHONE, NPDES PERMITS/LIMIT OF DISTURBANCE, SOIL BOUNDARY TYPE, HSG SOIL NAME, COMPOST FILTER SOCK, ORANGE CONSTRUCTION FENCING, TOPSOIL STOCK PILE, ROCK CONSTRUCTION ENTRANCE, INLET PROTECTION, EROSION CONTROL BLANKETING, PROPOSED RIPRAP APRON.



Project information including: DRAW COLLECTIVE logo, address (4350 Northern Pike, Suite 141, Monroeville, PA 15116), phone (724.327.5200), website (www.ccec.com), project name (NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY), location (3600 OLD OAKDALE RD, MCDONALD, PA, 15057), and drawing title (E&S CONTROL PLAN - PHASE 2).

5/20/25 12:49:38 PM Autodesk Docs/59-24-01 South Fayette SD/24-591010 South Fayette SD - Bus Depot - Maintenance Building CENTR01 R23.rvt



- LEGEND**
- EXISTING PROPERTY LINE
 - EXISTING EASEMENT
 - EXISTING RIGHT-OF-WAY
 - EXISTING INDEX CONTOUR
 - EXISTING INTERMEDIATE CONTOUR
 - EXISTING FENCE LINE
 - EXISTING GUTCH FLOW LINE
 - EXISTING STORM PIPE
 - EXISTING WATER LINE
 - EXISTING GAS LINE
 - EXISTING OVERHEAD WIRE
 - EXISTING TREE/SHRUB
 - SOIL
 - WATER BOX (WATER VALVE)
 - FIRE HYDRANT
 - WATER MANHOLE
 - WATER WALL
 - WATERLINE MARKER
 - GAS LINE MARKER
 - GUY WIRE
 - GUY POLE
 - EXISTING FEMA FLOODPLAIN
 - EXISTING WETLAND
 - BORING LOCATION
 - EXISTING WETLAND - PFW
 - EXISTING WETLAND - PFD
 - EXISTING WETLAND - PSS
 - EXISTING PERENNIAL STREAM
 - EXISTING INTERMITTENT STREAM
 - CALCULATED 100-YR WSE
 - EXISTING PERENNIAL STREAM
 - PROPOSED CONCRETE CURB
 - PROPOSED DEPRESSION CONC CURB
 - PROPOSED ASPHALT WEDGE CURB
 - PROPOSED CONCRETE
 - PROPOSED STRIPING
 - PROPOSED SIDEWALK
 - PROPOSED BUILDING
 - PROPOSED HEAVY DUTY ASPHALT
 - PROPOSED LIGHT DUTY ASPHALT
 - PROPOSED TREE/SHRUB
 - PROPOSED FENCE
 - PROPOSED GUARDRAIL
 - PROPOSED SIGNAGE
 - PROPOSED LIGHT POST
 - PROPOSED INDEX CONTOUR
 - PROPOSED INTERMEDIATE CONTOUR
 - PROPOSED SLOPE LABEL
 - PROPOSED SPOT ELEVATION
 - CURB ELEVATIONS
 - CURB ELEVATIONS
 - PROPOSED STORM PIPE
 - PROPOSED INLET TYPES
 - PROPOSED STORM MANHOLE
 - PROPOSED ENHANCE W/ R/RAP
 - PROPOSED UNDERDRAIN
 - PROPOSED SINGLE LINE STORM PIPE
 - PROPOSED TIE DRAWN
 - INFILTRATION TEST LOCATION
 - PROPOSED SANITARY SINKER
 - PROPOSED SANITARY MANHOLE
 - PROPOSED WATER CLEANOUT
 - PROPOSED WATER LINE
 - PROPOSED GAS LINE
 - PROPOSED ELECTRIC/TELEPHONE
 - NPDES PERMIT/LIMIT OF DISTURBANCE
 - SOIL BOUNDARY TYPE
 - 100' SOIL NAME
 - COMPOSITE FILTER SOCK
 - ORANGE CONSTRUCTION FENCING
 - TOPSOIL STOCK PILE
 - ROCK CONSTRUCTION ENTRANCE
 - INLET PROTECTION
 - EROSION CONTROL BLANKETING
 - PROPOSED R/RAP APPROX

COMPOST FILTER SOCK TABLE

BARRELS ID	SIZE
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COMPOST FILTER SOCK TABLE - SANITARY LINE

BARRELS ID	SIZE
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27	18" COMPOST FILTER SOCK
28	18" COMPOST FILTER SOCK
29	18" COMPOST FILTER SOCK
30	18" COMPOST FILTER SOCK

DRAW COLLECTIVE
 470 Washington Road, Pittsburgh, PA 15228
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4350 Northern Pike
 Suite 141
 Monroeville, PA 15146
 Ph: 724.327.5200
 www.ccecinc.com

CCEC
 Civil & Environmental
 Consultants, Inc.

NO.	DATE	BY	DESCRIPTION
1	08/08/2025	AMM	ISSUED FOR PERMIT
2	08/08/2025	AMM	ISSUED FOR PERMIT

REVISIONS

1. ACCORDING TO THE COMMENTS FROM THE TOWNSHIP ENGINEER DATED AUGUST 4, 2025

2. TOWNSHIP ENGINEER COMMENTS DATED AUGUST 4, 2025

PROJECT SIGNATURE OR SEAL

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
 3800 OLD OAKDALE RD MCDONALD, PA, 15057
 SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD
 MCDONALD, PA, 15057

OVERALL E&S CONTROL PLAN - PHASE 3

Proj No: 24-549-01B
 Issue Date: 06/08/2025

C902A

Scale: 1" = 40'

ONE CALL SERIAL NO.:

CALL BEFORE YOU DIG!
 PENNSYLVANIA LAW REQUIRES
 3 WORKING DAYS NOTICE FOR
 CONSTRUCTION PHASE AND 10 WORKING
 DAYS IN DESIGN STAGE—STOP CALL
 PENNSYLVANIA ONE CALL SYSTEM, INC.
 1-800-242-1776

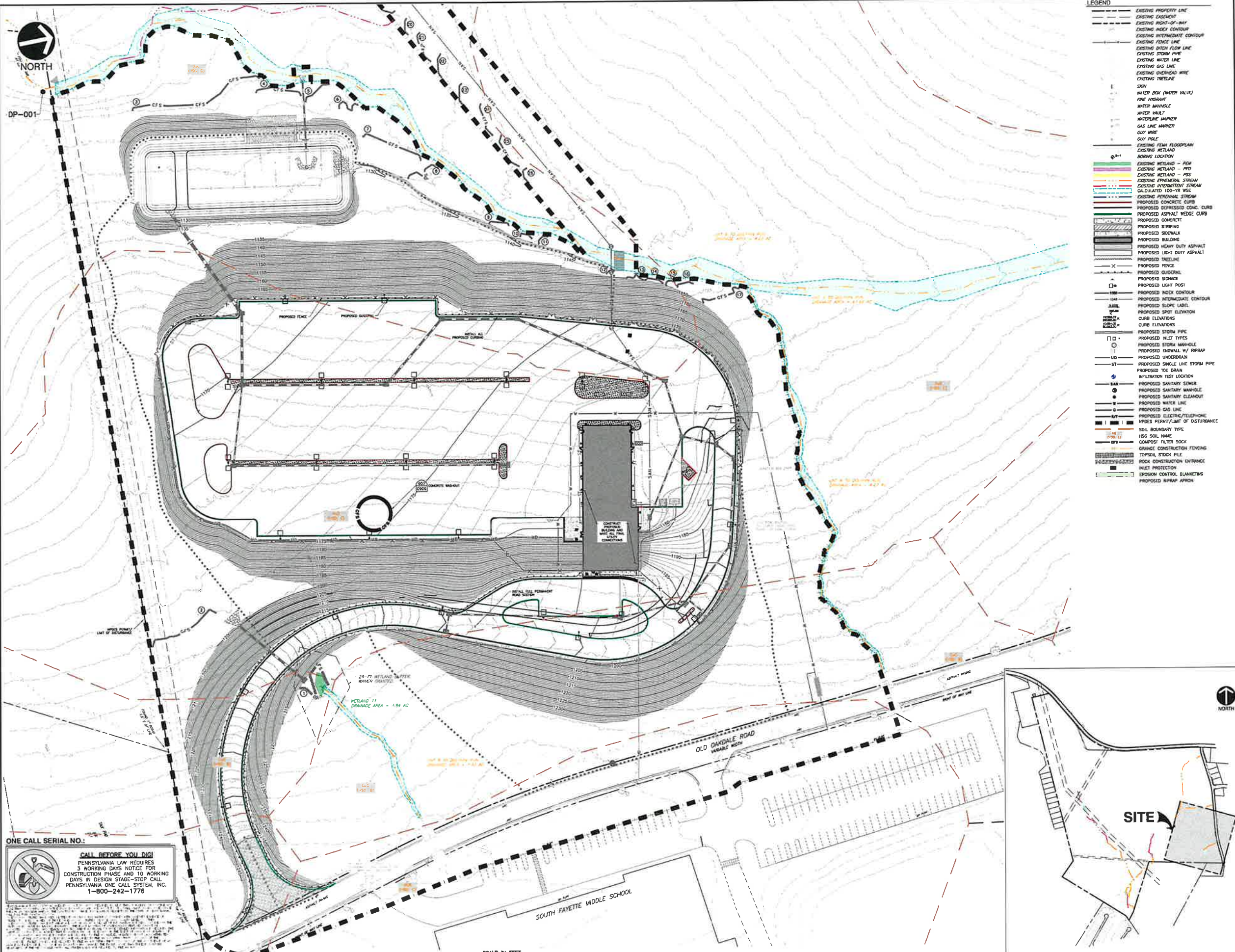
REFERENCE
 1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC., DATED JANUARY 2024.

5/6/2025 12:49:08 PM Autodesk Docs://549-24-01 South Fayette SD/24-519/01B South Fayette SD - Blue Depot - Maintenance Building CENTRAL RZ23.rvt

ONE CALL SERIAL NO.:

CALL BEFORE YOU DIG!
 PENNSYLVANIA LAW REQUIRES
 3 WORKING DAYS NOTICE FOR
 CONSTRUCTION PHASE AND 10 WORKING
 DAYS IN DESIGN STAGE-STOP CALL
 PENNSYLVANIA ONE CALL SYSTEM, INC.
 1-800-242-1776

REFERENCE
 1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY CMI & ENVIRONMENTAL CONSULTANTS, INC., DATED: JANUARY 2024.



LEGEND

---	EXISTING PROPERTY LINE
---	EXISTING EASEMENT
---	EXISTING POINT-OF-WAY
---	EXISTING INDEX CONTOUR
---	EXISTING INTERMEDIATE CONTOUR
---	EXISTING FENCE LINE
---	EXISTING BRUSH FLOW LINE
---	EXISTING STORM PIPE
---	EXISTING WATER LINE
---	EXISTING GAS LINE
---	EXISTING SANITARY PIPE
---	EXISTING TREE/LINE
---	SIGN
---	WATER BOX (WATER VALVE)
---	FIRE HYDRANT
---	WATER MANHOLE
---	WATER WALK
---	WATERLINE MARKER
---	GAS LINE MARKER
---	GUY WIRE
---	GUY POLE
---	EXISTING FIRM FLOODPLAIN
---	EXISTING WETLAND
---	BORING LOCATION
---	EXISTING WETLAND - PFM
---	EXISTING WETLAND - PFD
---	EXISTING WETLAND - PSS
---	EXISTING EPHEMERAL STREAM
---	EXISTING INTERMITTENT STREAM
---	CALCULATED 100-YR WSE
---	EXISTING PERENNIAL STREAM
---	PROPOSED CONCRETE CURB
---	PROPOSED DEPRESSION CONC. CURB
---	PROPOSED ASPHALT WEDGE CURB
---	PROPOSED CONCRETE
---	PROPOSED STRIPING
---	PROPOSED SIDEWALK
---	PROPOSED BUILDING
---	PROPOSED HEAVY DUTY ASPHALT
---	PROPOSED LIGHT DUTY ASPHALT
---	PROPOSED SHELTER
---	PROPOSED FENCE
---	PROPOSED GUIDEWALL
---	PROPOSED SIGNAGE
---	PROPOSED LIGHT POST
---	PROPOSED INDEX CONTOUR
---	PROPOSED INTERMEDIATE CONTOUR
---	PROPOSED SLOPE LABEL
---	PROPOSED SPOT ELEVATION
---	CURB ELEVATIONS
---	CURB ELEVATIONS
---	PROPOSED STORM PIPE
---	PROPOSED INLET TYPES
---	PROPOSED STORM MANHOLE
---	PROPOSED ENDWALL W/ RIPRAP
---	PROPOSED UNDERDRAIN
---	PROPOSED SINGLE LINE STORM PIPE
---	PROPOSED TIE DRAIN
---	INFILTRATION TEST LOCATION
---	PROPOSED SANITARY SEWER
---	PROPOSED SANITARY MANHOLE
---	PROPOSED SANITARY CLEANOUT
---	PROPOSED WATER LINE
---	PROPOSED GAS LINE
---	PROPOSED ELECTRIC/TELEPHONE
---	NPDES PERMIT/LIMIT OF DISTURBANCE
---	SOIL BOUNDARY TYPE
---	HSC SOIL NAME
---	COMPOST FILTER SOCK
---	GRAVITY CONSTRUCTION FENCING
---	TOPSOIL STOCK PILE
---	ROCK CONSTRUCTION ENTRANCE
---	PILE PROTECTION
---	EROSION CONTROL BLANKETING
---	PROPOSED RIPRAP APPROX

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DATE	DESIGNED BY	DATE	CHECKED BY
06/06/2025	AMM	06/06/2025	AMM
DATE	DESIGNED BY	DATE	CHECKED BY
06/06/2025	AMM	06/06/2025	AMM

REVISIONS
 1 ADD NORTHEAST CORNER LETTERS, MAY 1, 2025
 2 TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025



NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY

3800 OLD OAKDALE RD
 MCDONALD, PA, 15057

SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT
 3680 OLD OAKDALE RD
 MCDONALD, PA, 15057

E&S CONTROL PLAN - PHASE 3

Proj No. 24-519-01B
 Issue Date 06/06/2025

C902B

06/06/2025

SCALE IN FEET
 0 40 80

DRAWING INDEX

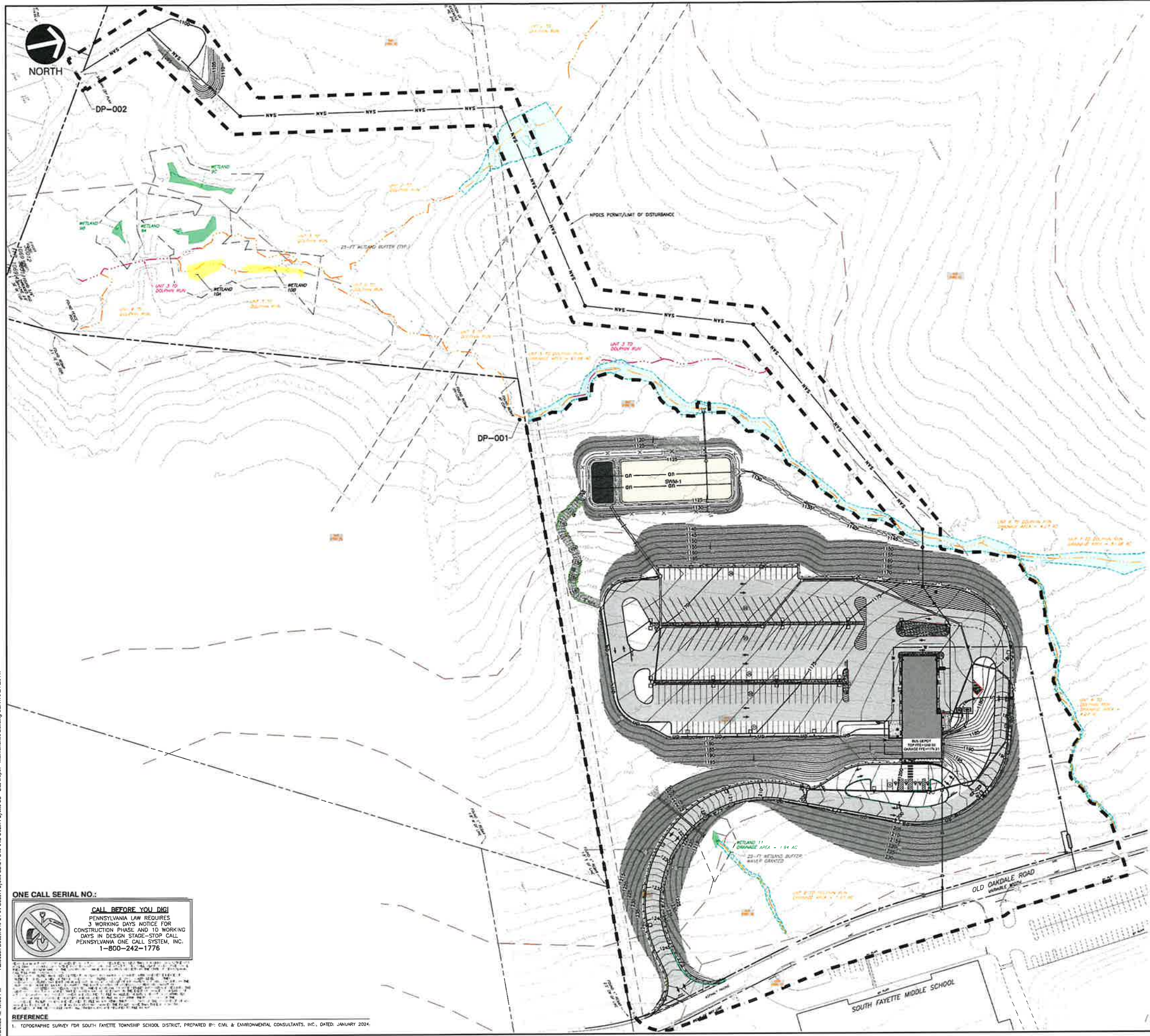
5/20/25 12:49:08 PM Autodesk Docs/US/9-24-01 South Fayette SD/24-SAP-01B South Fayette SD - Bus Depot - Maintenance Building Central R23.rvt

ONE CALL SERIAL NO.:



CALL BEFORE YOU DIG!
 PENNSYLVANIA LAW REQUIRES
 3 WORKING DAYS NOTICE FOR
 CONSTRUCTION PHASE AND 10 WORKING
 DAYS IN DESIGN STAGE-STOP CALL
 PENNSYLVANIA ONE CALL SYSTEM, INC.
 1-800-242-1776

REFERENCE
 1 TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY: CML & ENVIRONMENTAL CONSULTANTS, INC., DATED: JANUARY 2024.



LEGEND

- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- EXISTING RIGHT-OF-WAY
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- EXISTING FENCE LINE
- EXISTING SWICH FLOW LINE
- EXISTING STORM PIPE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING OVERHEAD WIRE
- EXISTING TREE LINE
- SICK
- WATER BOX (WATER VALVE)
- FIRE HYDRANT
- WATER MANHOLE
- WATER WALL
- WATERLINE MARKER
- GAS LINE MARKER
- GUY WIRE
- GUY POLE
- EXISTING FIRM FLOODPLAIN
- EXISTING WETLAND
- BORING LOCATION
- EXISTING WETLAND - FEM
- EXISTING WETLAND - PFD
- EXISTING WETLAND - PSS
- EXISTING PERMANENT STREAM
- EXISTING INTERMITTENT STREAM
- CALCULATED 100-YR WSE
- EXISTING PERENNIAL STREAM
- PROPOSED CONCRETE CURB
- PROPOSED DEPRESSED CONC. CURB
- PROPOSED ASPHALT WEDGE CURB
- PROPOSED CONCRETE
- PROPOSED SIDEWALK
- PROPOSED BUILDING
- PROPOSED HEAVY DUTY ASPHALT
- PROPOSED LIGHT DUTY ASPHALT
- PROPOSED TREE LINE
- PROPOSED FENCE
- PROPOSED SIGNAGE
- PROPOSED LIGHT POST
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- PROPOSED SLOPE LABEL
- PROPOSED SPOT ELEVATION
- CURB ELEVATIONS
- CURB ELEVATIONS
- PROPOSED STORM PIPE
- PROPOSED INLET TYPES
- PROPOSED STORM MANHOLE
- PROPOSED SIGNWALL 1/2 R/RAMP
- PROPOSED UNDERDRAIN
- PROPOSED SINGLE LINE STORM PIPE
- PROPOSED TIE DRAIN
- INFILTRATION TEST LOCATION
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY MANHOLE
- PROPOSED SANITARY CLEANOUT
- PROPOSED WATER LINE
- PROPOSED GAS LINE
- PROPOSED ELECTRIC/TELEPHONE
- HPOES PERMIT/LIMIT OF DISTURBANCE
- SOIL BOUNDARY TYPE
- HSG SOIL NAME
- COMPOST FILTER SOCK
- SANITARY CONSTRUCTION FENCING
- TOPSOIL STOCK PILE
- ROCK CONSTRUCTION ENTRANCE
- INLET PROTECTION
- EROSION CONTROL BLANKETING
- PROPOSED RIPRAP ANCHOR

COMPOST FILTER SOCK TABLE

BARREN ID	SIZE
1	18" COMPOST FILTER SOCK
2	24" COMPOST FILTER SOCK
3	18" COMPOST FILTER SOCK
4	18" COMPOST FILTER SOCK
5	18" COMPOST FILTER SOCK
6	18" COMPOST FILTER SOCK
7	18" COMPOST FILTER SOCK
8	18" COMPOST FILTER SOCK
9	18" COMPOST FILTER SOCK
10	18" COMPOST FILTER SOCK
11	18" COMPOST FILTER SOCK
12	18" COMPOST FILTER SOCK
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48	18" COMPOST FILTER SOCK
49	18" COMPOST FILTER SOCK
50	18" COMPOST FILTER SOCK

COMPOST FILTER SOCK TABLE - SANITARY LINE

BARREN ID	SIZE
1	18" COMPOST FILTER SOCK
2	18" COMPOST FILTER SOCK
3	18" COMPOST FILTER SOCK
4	18" COMPOST FILTER SOCK
5	18" COMPOST FILTER SOCK
6	18" COMPOST FILTER SOCK
7	18" COMPOST FILTER SOCK
8	18" COMPOST FILTER SOCK
9	18" COMPOST FILTER SOCK
10	18" COMPOST FILTER SOCK
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41	18" COMPOST FILTER SOCK
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43	18" COMPOST FILTER SOCK
44	18" COMPOST FILTER SOCK
45	18" COMPOST FILTER SOCK
46	18" COMPOST FILTER SOCK
47	18" COMPOST FILTER SOCK
48	18" COMPOST FILTER SOCK
49	18" COMPOST FILTER SOCK
50	18" COMPOST FILTER SOCK

SCALE IN FEET
 0 60 120

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3880 OLD OAKDALE RD MCDONALD, PA, 15057
3880 OLD OAKDALE RD SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT MCDONALD, PA, 15057

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY

OVERALL E&S CONTROL PLAN - PHASE 4

4350 Northern Pike Suite 141 Monroeville, PA 15146 Ph: 724.327.5200 www.ecollective.com

CEE
 Civil & Environmental Consultants, Inc.

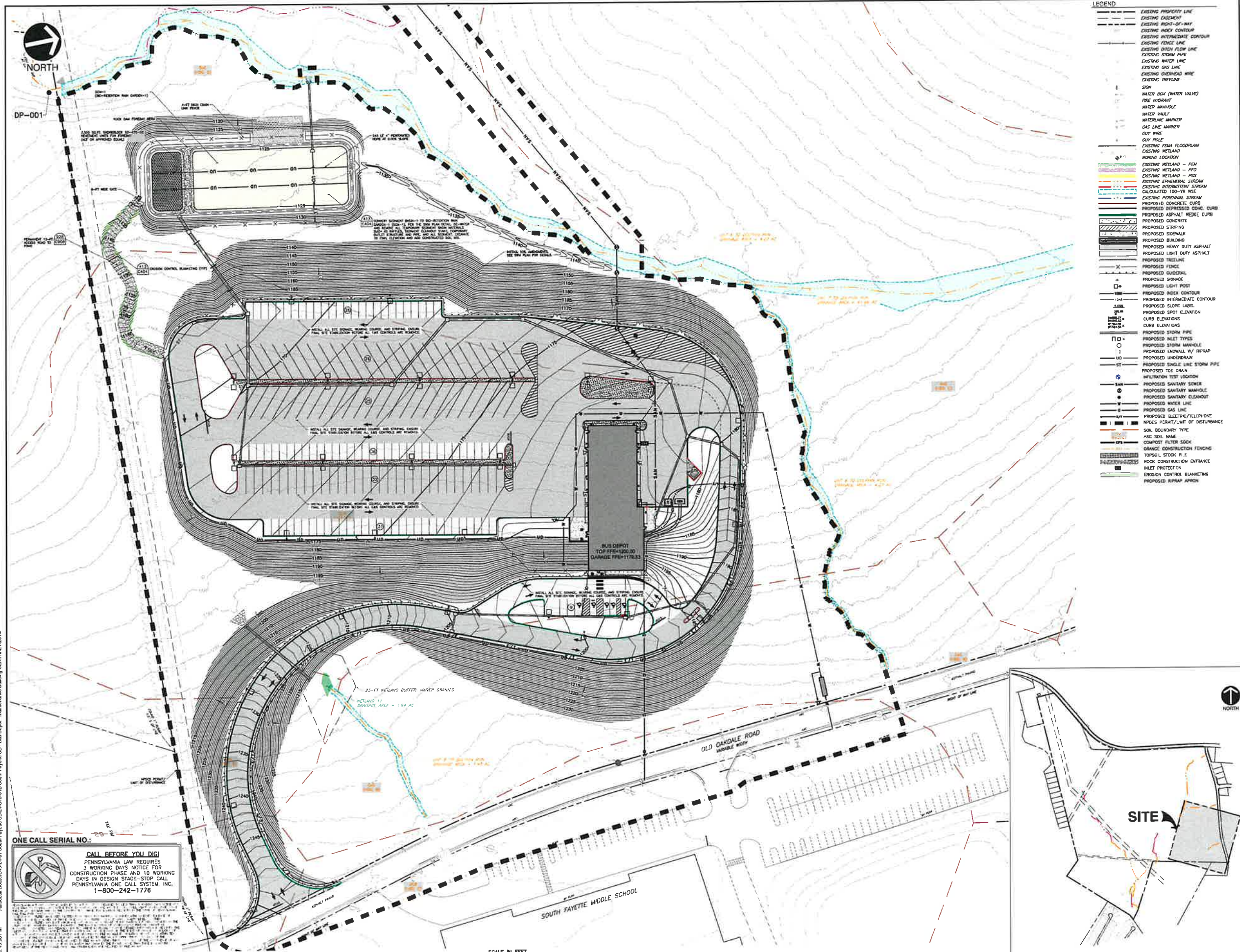
DATE: 08/06/2025
 TIME: 10:00 AM
 DRAWN BY: JMM
 CHECKED BY: JMM
 APPPROVED BY: JMM
 TITLE: OVERALL E&S CONTROL PLAN - PHASE 4

REVISIONS:
 1. ACCORDING TO COMMENTS FROM THE TOWNSHIP AND AGED COMMENT LETTER AUGUST 1, 2025
 2. TOWNSHIP AND AGED COMMENT LETTER AUGUST 1, 2025

TOWNSHIP AND AGED COMMENT LETTER AUGUST 4, 2025

Proj No. 24-SAP-01B
 Issue Date 08/06/2025
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5/6/2025 12:49:08 PM Autodesk Docs/15/9-24-01 South Fayette SD/24-549-01B South Fayette SD - Bus Depot - Maintenance Building CENTRAL R23.rvt



ONE CALL SERIAL NO. **CALL BEFORE YOU DIG!**
 PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE-STOP CALL PENNSYLVANIA ONE CALL SYSTEM, INC. 1-800-242-1776

REFERENCE
 1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC., DATED JANUARY 2024.

LEGEND

---	EXISTING PROPERTY LINE
---	EXISTING EASEMENT
---	EXISTING RIGHT-OF-WAY
---	EXISTING INDEX CONTOUR
---	EXISTING INTERMEDIATE CONTOUR
---	EXISTING FENCE LINE
---	EXISTING BRUSH PILE LINE
---	EXISTING STORM PIPE
---	EXISTING WATER LINE
---	EXISTING GAS LINE
---	EXISTING OVERHEAD WIRE
---	EXISTING FREETRAN
---	SIGN
---	WATER BOX (WATER VALVE)
---	FIRE HYDRANT
---	WATER MANHOLE
---	WATER VALVE
---	WATERLINE MARKER
---	GAS LINE MARKER
---	GUY WIRE
---	EXISTING FEMA FLOODPLAIN
---	EXISTING WETLAND
---	BORING LOCATION
---	EXISTING WETLAND - PFM
---	EXISTING WETLAND - PFD
---	EXISTING WETLAND - PSS
---	EXISTING EPHEMERAL STREAM
---	EXISTING INTERMITTENT STREAM
---	CALCULATED 100-YR WSE
---	EXISTING PERENNIAL STREAM
---	PROPOSED CONCRETE CURB
---	PROPOSED SUPPRESSED CONC. CURB
---	PROPOSED ASPHALT MEDGE CURB
---	PROPOSED CONCRETE
---	PROPOSED SIDEWALK
---	PROPOSED STAIRING
---	PROPOSED BUILDING
---	PROPOSED HEAVY DUTY ASPHALT
---	PROPOSED LIGHT DUTY ASPHALT
---	PROPOSED TREE LINE
---	PROPOSED FENCE
---	PROPOSED DRAINAGE
---	PROPOSED SIGNAGE
---	PROPOSED LIGHT POST
---	PROPOSED INDEX CONTOUR
---	PROPOSED INTERMEDIATE CONTOUR
---	PROPOSED SLOPE LABEL
---	PROPOSED SPOT ELEVATION
---	CURB ELEVATIONS
---	CURB ELEVATIONS
---	PROPOSED STORM PIPE
---	PROPOSED INLET TYPES
---	PROPOSED STORM MANHOLE
---	PROPOSED ENKWALL W/ RIPRAP
---	PROPOSED UNDERDRAIN
---	PROPOSED SINGLE LINE STORM PIPE
---	PROPOSED TOE DRAIN
---	INSPECTION TEST LOCATION
---	PROPOSED SANITARY SEWER
---	PROPOSED SANITARY MANHOLE
---	PROPOSED SANITARY CLEANOUT
---	PROPOSED WATER LINE
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---	PROPOSED ELECTRIC/TELEPHONE
---	NPDES PERMIT/LIMIT OF DISTURBANCE
---	SOIL BOUNDARY TYPE
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---	COMPOST FILTER SOCK
---	ORANGE CONSTRUCTION FENCING
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---	ROCK CONSTRUCTION ENTRANCE
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---	EROSION CONTROL BLANKETING
---	PROPOSED RIPRAP APRON

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 Ph: 724.327.5200
 www.cecinc.com

DATE: 08/06/2025
 DRAWN BY: ALM
 CHECKED BY: ALM
 DESIGNED BY: ALM
 PROJECT NO.: 24-549-01B
 *WSD SIGNATURE ON FILE

REVISIONS:
 1. ADD INFORMATION FOR LETTER 4, AUGUST 4, 2025
 2. TOWNSHIP AND AGED COMMENT LETTER AUGUST 4, 2025

TOWNSHIP AND AGED COMMENT LETTER AUGUST 4, 2025



NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
 3600 OLD OAKDALE RD MCDONALD, PA, 15057
 SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3690 OLD OAKDALE RD
 MCDONALD, PA, 15057

E&S CONTROL PLAN - PHASE 4

Proj No. 24-549-01B
 Issue Date 08/06/2025

C903B

Scale: 1" = 40'

STANDARD EAS PLAN NOTES

- 1. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED EAS PLAN...
2. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL WRITE ALL CONTRACTORS...
3. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS...
4. EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS...
5. AREAS TO BE FILLED ARE TO BE CLEARED, CRUMBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, AND OTHER OBSTRUCTIBLE MATERIAL...
6. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE...
7. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS...
8. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATIONS SHOWN ON THE PLAN MAPS...
9. IMMEDIATELY UPON DISCOVERING UNDESIRABLE CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION...
10. ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS...
11. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN EAS PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED...
12. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL...
13. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN...
14. VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY NOR EXIT DIRECTLY FROM THE PROJECT SITE ONTO ADJOINING ROADS...
15. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs SHALL BE MAINTAINED PROPERLY...
16. A LOG SHOWING DATES THAT EAS BMPs WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO THE DEPARTMENT AT THE TIME OF INSPECTION...
17. SEDIMENT TRACKING ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY...
18. ALL SEDIMENT REMOVED FROM BMPs SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS...
19. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SOILBANKED TO A MINIMUM DEPTH OF 3 TO 5 INCHES...
20. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLUMPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS...
21. ALL EARTHWORK FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 8 INCHES IN THICKNESS...
22. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOIL, OR OTHER FOREIGN OR OBSTRUCTIBLE MATERIALS...
23. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS...
24. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES...
25. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE...
26. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT...
27. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION...
28. EAS BMPs SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT...
29. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS...
30. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPs MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPs...
31. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS...
32. FAILURE TO CORRECTLY INSTALL EAS BMPs, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE...
33. CONCRETE AND REINFORCED CONCRETE SHALL BE INSTALLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS...
34. CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO LIME, ROCKS, LEAVES, WOODY DEBRIS, ACCUMULATED SEDIMENT, EXCESS VEGETATION, AND CONSTRUCTION MATERIALS/WASTES...
35. UNDERGROUND UTILITIES CUTTING THROUGH ANY ACTIVE CHANNEL SHALL BE IMMEDIATELY BACKFILLED AND THE CHANNEL RESTORED TO ITS ORIGINAL CROSS-SECTION...
36. CHANNELS HAVING RIPRAP, BERM MATTERS, OR GABION LININGS MUST BE SUFFICIENTLY OVER-EXCAVATED SO THAT THE DESIGN DIMENSIONS WILL BE PROVIDED AFTER PLACEMENT OF THE PROTECTIVE LINING...
37. SEDIMENT BASINS AND/OR TRAPS SHALL BE KEPT FREE OF ALL CONSTRUCTION WASTE, WASH WATER, AND OTHER DEBRIS...
38. ANY DEBRIS THAT OCCURS IN PROTECTED OR UNAUTHORIZED AREAS OF THREE PARTS...
39. UPON REQUEST, THE APPLICANT ON HIS CONTRACTORS SHALL PROVIDE AN AS-BUILT (RECORD DRAWING) FOR ANY SEDIMENT BASIN OR TRAP...
40. EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS...
41. FILL MATERIAL FOR EMBANKMENTS SHALL BE FREE OF ROOTS, OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBSTRUCTIBLE MATERIALS...

GENERAL MAINTENANCE NOTES

- ALL EAS CONTROLS SHALL BE MAINTAINED IN GOOD WORKING ORDER (CLEANED, REPAIRED, ETC) UNTIL ALL DISTURBED AREAS ARE STABILIZED...
1. ALL TEMPORARY EAS CONTROLS SHALL BE INSPECTED AT LEAST AT THE BEGINNING AND END OF EACH DAY AND AFTER EACH RUNOFF EVENT...
2. ALL SLOPES SHALL BE CHECKED FOR SIGNS OF EROSION AND/OR SEDIMENTATION...
3. ALL DISPOSAL LOCATIONS SHALL BE INSPECTED TO ASCERTAIN THE EFFECTIVENESS OF THE CONTROLS...
4. DURING CONSTRUCTION, SEDIMENT REMOVED FROM THE EROSION CONTROL DEVICES SHALL BE DISPOSED OF BY SPREADING IT ON-SITE...
5. ALL SITE ENTRANCE AND EXIT POINTS SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE TRACKING OF MUD...
6. SEEDED AND VEGETATED AREAS SHALL BE CHECKED REGULARLY TO INSURE THAT A GOOD STAND IS MAINTAINED...
7. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL MAINTENANCE AND INSPECTIONS, AND SMALL MAINTENANCE RECORDS...
8. ALL MAINTENANCE RECORDS SHALL BE KEPT FOR A MINIMUM OF 12 MONTHS OR AS UPDATED AND KEPT OVER ALL TIMES...

RECYCLING OR DISPOSAL OF MATERIALS

- 1. ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS...
2. PROPER TRAIL DISPOSAL, RECYCLING OF MATERIALS, PROPER MATERIALS HANDLING, AND SOIL PREVENTION AND CLEAN-UP REDUCE THE POTENTIAL FOR CONSTRUCTION WASTE TO BE INCORPORATED IN EROSION CONTROL DEVICES...
3. UNDER NO CIRCUMSTANCES MAY EROSION CONTROL BMPs BE USED FOR TEMPORARY STORAGE OR DISPOSITION OF CONSTRUCTION WASTES...
4. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN EAS PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED...

PERMANENT CONTROL MEASURES

- 1. PERMANENT VEGETATIVE STABILIZATION
INSTALLATION: FERTILIZING, SEEDING, AND MULCHING WILL BE USED AS A PERMANENT EAS CONTROL MEASURE ON ALL NON-PAVED DISTURBED AREAS...
2. SOIL PLACEMENT: SOIL SHALL BE PLACED TO THE DESIGN THICKNESS AND GRADE AND TRACKED AND ROLLED INTO PLACE...
3. SOIL TESTING AND SOIL AMENDMENT (LIME AND FERTILIZER) RATES: LIME/SOIL TEST RESULTS AND RECOMMENDATIONS FROM THE STATE AGRICULTURAL SERVICE...
4. SEEDING: SEEDS SHALL BE PLACED TO THE DESIGN THICKNESS AND GRADE AND TRACKED AND ROLLED INTO PLACE...
5. MULCHING AND TRACKING: PROMPTLY AFTER SEEDING, MULCH USING EITHER 1) TURF OR EQUIVALENT BRAND OF WOOD EXTENSION EROSION CONTROL BLANKET...
6. WOOD/CELLULOSE FIBER HYDROMULCH IN PLACE USING POLYMER SPECIFIED ABOVE AT A RATE OF AT LEAST 4 POUNDS PER ACRE APPLIED IN A SLURRY WITH THE HYDROMULCH...
7. IN SOME LOCATIONS SHOWN ON THE DRAWINGS, SUCH AS SLOPES STEEPER THAN 3:1 (4V), EROSION CONTROL BLANKET OR TURF REINFORCEMENT MAT (TRM) MAY BE THE ONLY PERMISSIBLE MULCHING OPTION...
8. PERMANENT CHANNELS: PERMANENT CHANNELS SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE STANDARD DETAILS PROVIDED...
9. CHANNELS SHALL BE INSTALLED TO THE DIMENSIONS SHOWN ON THE PLANS AND DETAILS...
10. CHANNEL DIMENSIONS SHALL BE MAINTAINED...
11. CHANNELS SHALL BE INSPECTED AFTER EACH RAINFALL EVENT...
12. CHANNELS SHALL BE KEPT CLEAN WHENEVER TOTAL CHANNEL DEPTH IS REDUCED BY 25% AT ANY LOCATION...
13. CHANNEL LININGS SHOULD BE PROMPTLY REPLACED...

TEMPORARY CONTROL MEASURES

- 1. ALTERNATIVE ROCK CONSTRUCTION ENTRANCE (MUD BARRIERS)
STABILIZED ALTERNATIVE DRIVE ROAD ENTRANCES (MUD BARRIERS) (ALSO KNOWN AS "HOOK CONSTRUCTION ENTRANCES") WILL BE PROVIDED AT THE LOCATION SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE STANDARD DETAIL...
2. FENCED PUBLIC ROADWAYS: USE OF A VACUUM TRUCK SWEEPER OR SWEEPER WITH A CATCH BIN ATTACHMENT...
3. RIPRAP: RIPRAP SHALL BE DISPOSED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE...
4. ROCK FILTER OUTLET: ROCK FILTER OUTLET SHALL BE INSTALLED WHERE FAILURE OF A SILT FENCE OR STRAW BALE BARRIER HAS OCCURRED...
5. CHANNELS AND DIVERSIONS: TEMPORARY/PERMANENT DIVERSIONS/CHANNELS SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE STANDARD DETAILS PROVIDED...
6. STONE AND CONCRETE BLOCK INLET PROTECTION: STONE AND CONCRETE BLOCK INLET PROTECTION SHALL BE USED WHERE SHOWN IN PLAN...
7. SEDIMENT BASIN: A TEMPORARY SEDIMENT BASIN SHALL BE CONSTRUCTED AT THE LOCATION SHOWN IN PLAN...
8. BATTERIES: TEMPORARY BATTERIES SHALL BE CONSTRUCTED AT THE LOCATIONS SHOWN ON THE EAS PLAN DRAWINGS...
9. SEDIMENT BASIN: SEDIMENT BASINS, INCLUDING ALL APPURTENANCES, SHALL BE CONSTRUCTED TO THE DETAIL AND DIMENSIONS SHOWN ON THE EAS PLAN DRAWINGS...
10. SLOPE BEAMS: A TEMPORARY TOP OF SLOPE BEAM SHALL BE CONSTRUCTED AT THE LOCATION SHOWN IN PLAN...
11. TEMPORARY BROOD STREAM CROSSINGS: A TEMPORARY BROOD STREAM CROSSING SHALL BE INSTALLED IN THE LOCATION SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE STANDARD DETAIL PROVIDED...
12. TEMPORARY BROOD STREAM CROSSINGS: A TEMPORARY BROOD STREAM CROSSING SHALL BE INSTALLED IN THE LOCATION SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE STANDARD DETAIL PROVIDED...

TEMPORARY CONTROL MEASURES (CONTINUED)

- 1. TOPSOIL STOCKPILE AREA: THERE WILL BE A DESIGNATED TOPSOIL STOCKPILE AREA LOCATED ON THE PROPERTY...
2. COMPOST FILTER SOCK: COMPOST FILTER SOCK SHALL BE INSTALLED WHERE FAILURE OF A SILT FENCE OR STRAW BALE BARRIER HAS OCCURRED...
3. CONCRETE FILTER SOCK: CONCRETE FILTER SOCK SHALL BE INSTALLED WHERE FAILURE OF A SILT FENCE OR STRAW BALE BARRIER HAS OCCURRED...
4. EROSION CONTROL BLANKET: NORTH AMERICAN GREEN SEAMON OR APPROVED EQUIVALENT EROSION CONTROL BLANKET WILL BE USED TO PREVENT EROSION FROM THE GRADING OPERATIONS...
5. MULCH PROTECTION FILTERS: MULCH PROTECTION FILTERS CONSISTING OF BUILT FILTER BAGS OR STONE AND GRAVEL WILL BE PROVIDED AT ALL STORM SEWER INLETS...
6. CONCRETE WASHOUT: CONCRETE WASHOUTS SHALL BE CONSTRUCTED ON-SITE TO CONTAIN ALL WASHOUT WATER FROM CONCRETE CONSTRUCTION ACTIVITIES...
7. PUMPED WATER FILTER BAGS: PUMPED WATER FILTER BAGS MAY BE USED IF NECESSARY TO PREVENT SEDIMENT-LADEN WATER THAT MAY BE PUMPED FROM BROADWAYS OR ROADWAYS...
8. ROCK FILTER BAGS: ROCK FILTER BAGS SHALL BE INSTALLED WHERE FAILURE OF A SILT FENCE OR STRAW BALE BARRIER HAS OCCURRED...
9. RIPRAP: RIPRAP SHALL BE DISPOSED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE...
10. CHANNELS AND DIVERSIONS: TEMPORARY/PERMANENT DIVERSIONS/CHANNELS SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE STANDARD DETAILS PROVIDED...
11. STONE AND CONCRETE BLOCK INLET PROTECTION: STONE AND CONCRETE BLOCK INLET PROTECTION SHALL BE USED WHERE SHOWN IN PLAN...
12. SEDIMENT BASIN: A TEMPORARY SEDIMENT BASIN SHALL BE CONSTRUCTED AT THE LOCATION SHOWN IN PLAN...
13. BATTERIES: TEMPORARY BATTERIES SHALL BE CONSTRUCTED AT THE LOCATIONS SHOWN ON THE EAS PLAN DRAWINGS...
14. SEDIMENT BASIN: SEDIMENT BASINS, INCLUDING ALL APPURTENANCES, SHALL BE CONSTRUCTED TO THE DETAIL AND DIMENSIONS SHOWN ON THE EAS PLAN DRAWINGS...
15. SLOPE BEAMS: A TEMPORARY TOP OF SLOPE BEAM SHALL BE CONSTRUCTED AT THE LOCATION SHOWN IN PLAN...
16. TEMPORARY BROOD STREAM CROSSINGS: A TEMPORARY BROOD STREAM CROSSING SHALL BE INSTALLED IN THE LOCATION SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE STANDARD DETAIL PROVIDED...
17. TEMPORARY BROOD STREAM CROSSINGS: A TEMPORARY BROOD STREAM CROSSING SHALL BE INSTALLED IN THE LOCATION SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE STANDARD DETAIL PROVIDED...



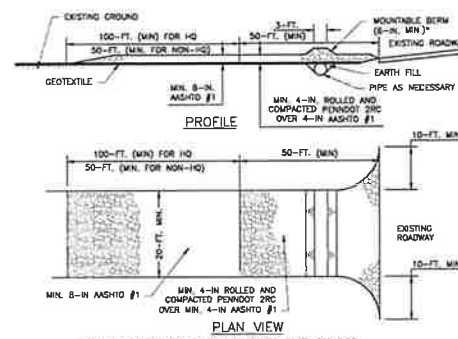
4350 Northern Pike, Suite 1411, Monroeville, PA 15146, Phone: 724.327.5200, www.dracollective.com

Table with 4 columns: Date, Name, Title, Signature. Includes dates for 12/28/2014 and 1/14/2015.

REVISIONS: 7. TOWNSHIP AND AECOM COMMENT LETTER AUGUST 4, 2015

TOWNSHIP AND AECOM COMMENT LETTER AUGUST 4, 2015

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY, 3600 OLD OAKDALE RD, MCDONALD, PA, 15087, SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, MCDONALD, PA, 15087, EAS CONTROL PLAN NOTES (1 OF 2)



NOTES:

REASONABLE METHODS WHICH ARE SANCTIONED BY THE PADEP AS ALTERNATIVES TO INSTALLATION OF TIRE WASH STATIONS ON PUBLIC ROAD ACCESS POINTS FOR PROJECTS IN EV/HQ WATERSHEDS INCLUDE:

- FOR PAVED SURFACE PUBLIC ROADS: USE OF A VACUUM TRUCK SWEEPER OR SWEEPER WITH A CATCH BIN ATTACHMENT.
- FOR DIRT OR GRAVEL SURFACE PUBLIC ROADS: REMOVE MANUAL REMOVAL OF MUD/DIRT FROM VEHICLE/COMPACT TRUCKS PRIOR TO EXITING CONSTRUCTION SITE, SUPPLEMENTED BY IMMEDIATE RECOVERY BY MANUAL OR MECHANICAL MEANS, OF SOIL WHICH MAY BECOME DISCHARGED ONTO PUBLIC ROADWAYS. DUST CONTROL AND/OR COMPACTION VIA ROLLING OF THE DIRT PUBLIC ROAD SURFACE WILL BE IMPLEMENTED AS NEEDED.

A PREREQUISITE FOR UTILIZING ALTERNATIVES 1 AND 2 ABOVE IS THAT THE ROCK PAD CONSTRUCTION ENTRANCE MUST BE EXTENDED TO A MINIMUM TOTAL LENGTH OF 100 FEET AND MUST BE CONSTANTLY MAINTAINED, INCLUDING STRUCTURE THICKNESS, TO ENSURE ITS EFFECTIVENESS REMAINS INTACT AT ALL TIMES.

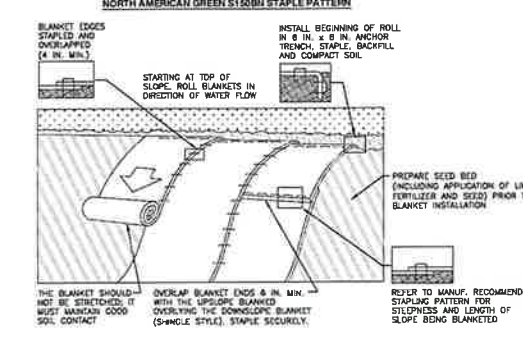
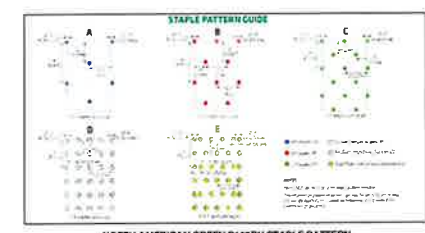
FREQUENCY OF MECHANICAL AND/OR MANUAL CONTROLS WILL BE DEPENDENT UPON CONSTRUCTION TRAFFIC INTENSITY, WEATHER AND SOIL MOISTURE CONDITIONS. AT A MINIMUM FOR PAVED ROADS - ANY DAY IN WHICH CONSTRUCTION TRAFFIC IS EXITING THE ROCK CONSTRUCTION ENTRANCE, THE VACUUM TRUCK SWEEPER OR SWEEPER WITH A CATCH BIN ATTACHMENT SHALL CLEAN THE ROAD WAY AT THE END OF THE WORK DAY AND PRIOR TO ANY FORECASTED RAIN EVENT. THE REQUIREMENT IS TO NOT INTRODUCE SEDIMENT LOAD FROM CONSTRUCTION TRAFFIC ONTO PUBLIC ROAD SURFACES AND INTO ROAD DITCHES WHICH WILL FLOW INTO THE EV/HQ WATER RESOURCES WHICH ARE THE SUBJECT OF THE PROPOSED PROTECTION MEASURES.

- 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 BAMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
- MOUNDABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.

INSPECTION: ROCK CONSTRUCTION ENTRANCES SHALL BE INSPECTED DAILY AND AFTER EACH RUNOFF EVENT.

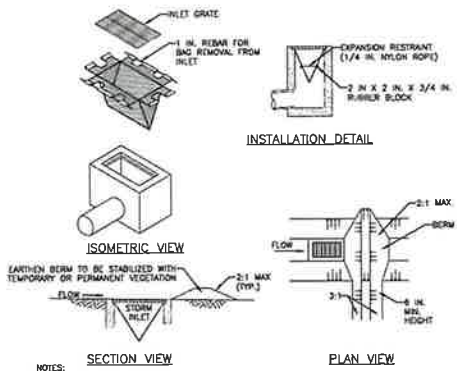
MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FEET INCREASING UNTIL EROSION IS ALLEVIATED OR INSTALL WASH BACK, WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE DEVICES IS NOT ACCEPTABLE.

DETAIL 901
PADEP STANDARD CONSTRUCTION DETAIL ALTERNATIVE
ROCK CONSTRUCTION ENTRANCE (WASH RACK SUBSTITUTE)
N.T.S.



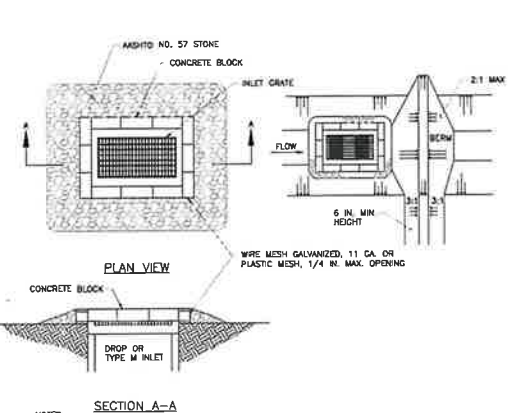
- NOTES:**
- SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET.
 - PROVIDE ANCHOR TRENCH AT TOP OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
 - SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.
 - BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.
 - THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 - BLANKETTED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM SOIL COVERAGE THROUGHOUT THE BLANKETTED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

DETAIL 905
PADEP STANDARD CONSTRUCTION DETAIL #11-1
NORTH AMERICAN GREEN S150BN EROSION CONTROL BLANKET INSTALLATION
N.T.S.



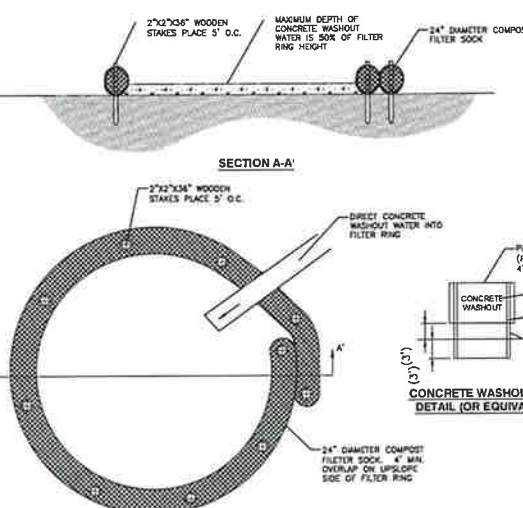
- NOTES:**
- MAXIMUM DRAINAGE AREA = 1/2 ACRE.
 - INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS.
 - ROLLED EARTHEN BERM IN ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SURFACE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR REMAIN PERMANENTLY.
 - AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 170 LBS. A MINIMUM TENSILE STRENGTH OF 200 PSF, AND A MINIMUM TRACKSLOPE TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.
 - INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINGS OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BRIDGING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INSTALLED IMMEDIATELY AFTER THE INSPECTION. EXCESSIVE ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.
 - DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

DETAIL 902
STANDARD CONSTRUCTION DETAIL #4-16
FILTER BAG INLET PROTECTION - TYPE M INLET
N.T.S.



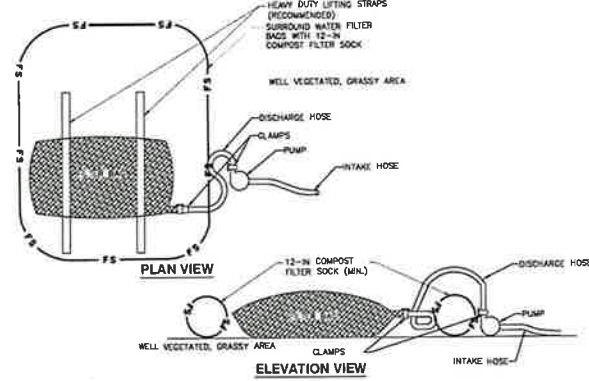
- NOTES:**
- MAXIMUM DRAINAGE AREA = 1 ACRE.
 - INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS NOT LOCATED AT A LOW POINT.
 - ROLLED EARTHEN BERM IN ROADWAY SHALL BE PROVIDED AND MAINTAINED IMMEDIATELY DOWN GRADIENT OF THE PROTECTED INLET UNTIL ROADWAY IS STONED. ROAD SURFACE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR TO REMAIN PERMANENTLY.
 - TOP OF BLOCK SHALL BE AT LEAST 6 INCHES BELOW ADJACENT ROADS IF PONDING WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.
 - SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE HEIGHT OF THE STONE, DAMAGED OR CLOGGED INSTALLATIONS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.
 - FOR SYSTEMS DISCHARGING TO HQ OR EV SURFACE WATER, A 6 INCH THICK COMPOST LAYER SHALL BE SECURELY ANCHORED ON OUTSIDE AND OVER TOP OF STONE. COMPOST SHALL MEET THE STANDARDS IN TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

DETAIL 903
STANDARD CONSTRUCTION DETAIL #4-18
STONE AND CONCRETE BLOCK INLET PROTECTION - TYPE M INLET
N.T.S.



- NOTES:**
- ACTUAL LAYOUT DETERMINED IN THE FIELD.
 - THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
 - INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE.
 - 18" DIAMETER FILTER SOCK MAY BE STAKED ONTO DOUBLE 24" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.
 - A SUITABLE IMPROVED GEOMEMBRANE SHALL BE PLACED AT THE LOCATION OF THE WASHOUT PRIOR TO INSTALLING THE SOCKS.

DETAIL 907
TEMPORARY FILTER SOCK CONCRETE WASHOUT FACILITY
N.T.S.

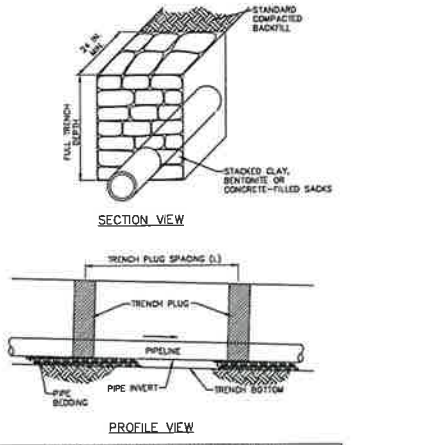


- NOTES:**
- LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM NONWOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH	ASTM D-4884	60 LB/IN
CANB TENSILE	ASTM D-4832	200 LB
TENSILE	ASTM D-4833	110 LB
MAXIMUM BURST	ASTM D-3988	250 PSF
UV RESISTANCE	ASTM D-4355	70%
AGE IS RETAINED	ASTM D-4751	80 SECS

- 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 OVERLAYMENT 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 2% FOR SLOPES EXCEEDING 2% CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING 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 HQ OR EV WATERSHEDS), WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WIDE GRASSY AREA IS NOT AVAILABLE.
- 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 FLARING AND SORBED.
- FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

DETAIL 904
PADEP STANDARD CONSTRUCTION DETAIL #3-18
PUMPED WATER FILTER BAG
N.T.S.



PA DEP EROSION CONTROL MANUAL TABLE 13.1
MAXIMUM SPACING AND MATERIALS FOR TRENCH PLUGS

TRENCH SLOPE (X)	SPACING (FT)	PLUG MATERIAL
4:5	1000	1" CLAY, BENTONITE OR CONCRETE FILLED SOCKS
3:5	500	1" CLAY, BENTONITE OR CONCRETE FILLED SOCKS
2:5	200	1" CLAY, BENTONITE OR CONCRETE FILLED SOCKS
1:5	100	1" CLAY, BENTONITE OR CONCRETE FILLED SOCKS
> 1:5	50	1" CLAY, BENTONITE OR CONCRETE FILLED SOCKS

* TOPSOIL MAY NOT BE USED TO FILL SOCKS.

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

DETAIL 908
PADEP STANDARD CONSTRUCTION DETAIL
TYPICAL TRENCH PLUG INSTALLATION
N.T.S.



4350 Northern Pike
Suite 141
Monroeville, PA 15146
Ph: 724.327.5200
www.cccinc.com

CCC
Civil & Environmental
Consultants, Inc.

DATE: 06/06/2025
SCALE: AS SHOWN
DESIGNED BY: JAC
CHECKED BY: JAC
APPROVED BY: JAC

TOWNSHIP AND AGED COMMENT LETTER AUGUST 4, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY

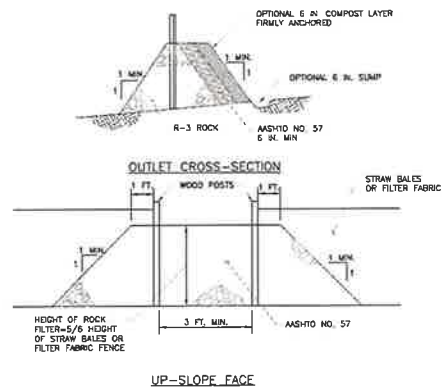
3600 OLD OAKDALE RD
MCDONALD, PA 15057
3690 OLD OAKDALE RD
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT
MCDONALD, PA 15057

E&S CONTROL PLAN DETAILS (1 OF 3)

Proj No: 24-S49-01B
Issue Date: 06/06/2025

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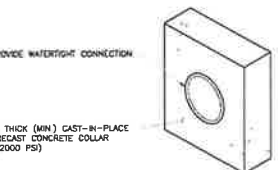
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NOTES:

- A ROCK FILTER OUTLET SHALL BE INSTALLED WHERE FAILURE OF A SILT FENCE OR STRAW BALE BARRIER HAS OCCURRED DUE TO CONCENTRATED FLOW. ANCHORED COMPOST LAYER SHALL BE USED ON UPSLOPE FACE IN 10' AND 20' WATERSHEDS.
- SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET.

DETAIL 909
ROCK FILTER OUTLET
N.T.S.

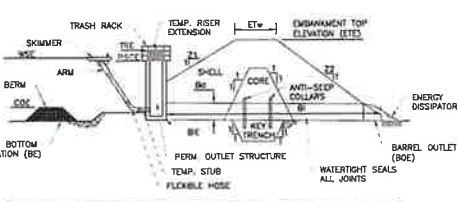


BASIN OR TRAP NO.	PIPE SIZE (IN)	S (IN)	NO. OF COLLARS	RISER TO FIRST COLLAR (FT)	COLLAR SPACING (FT)
1	18	61	2	10	13

NOTES:

- ALL COLLARS SHALL BE INSTALLED SO AS TO BE WATER-TIGHT.
- COLLAR SIZE AND SPACING SHALL BE AS INDICATED WITHIN TABLE.

DETAIL 913
CONCRETE ANTI-SEEP COLLARS
N.T.S.



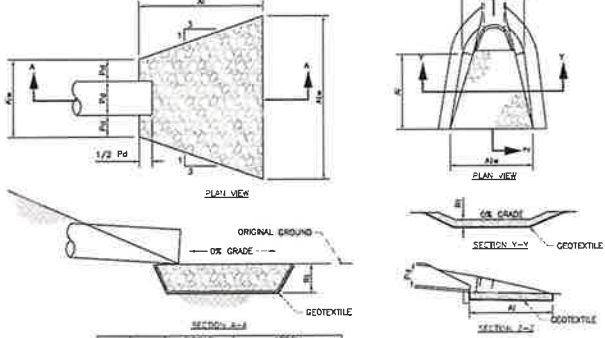
BASIN NO.	Z1 (FT)	Z2 (FT)	TEMP RISER EXT. ELEV. (FT)	EMBANKMENT TOP ELEV. (ET) (FT)	CLEAN OUT TRENCH WIDTH (FT)	CLEAN OUT TRENCH DEPTH (FT)	BOTTOM ELEV. (BE) (FT)
1	3	2	N/A	1122.00	10.00	4	1123.00

SKIMMER	OUTLET BARREL						
DA (IN)	LENGTH (FT)	DA (IN)	INLET (IN)	DA (IN)	LENGTH (FT)	OUTLET ELEV. (BE) (FT)	
12	17.5	PVC	18	1118.85	4.5PC	81.4	1118.80

NOTES:

- SEDIMENT BASINS INCLUDING ALL APPURTENANT WORKS, SHALL BE CONSTRUCTED TO THE DETAIL AND DIMENSIONS SHOWN ON THE E&S PLAN DRAWINGS.
- AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO A DEPTH OF TWO FEET PRIOR TO ANY PLACEMENT AND COMPACTING OF EARTHEN FILL IN ORDER TO FACILITATE MAINTENANCE AND RESTORATION. THE POOL AREA SHALL BE CLEARED OF ALL BRUSH, TREES, AND OBSTRUCTIBLE MATERIALS. THE EMBANKMENTS SHALL BE FREE OF ROOTS, OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBSTRUCTIBLE MATERIALS. THE EMBANKMENT SHALL BE CONSTRUCTED IN LAYERED LIFTS OF NOT MORE THAN 9" TO 6" IN. THE MAXIMUM ROCK SIZE SHALL BE NO GREATER THAN 2/3 THE LIFT THICKNESS.
- UPON COMPLETION, THE EMBANKMENT SHALL BE SEEDED, MULCHED, BLANKETED OR OTHERWISE STABILIZED ACCORDING TO THE SPECIFICATIONS OF THE E&S PLAN DRAWINGS. TREES SHALL NOT BE PLANTED ON THE EMBANKMENT.
- INSPECT ALL SEDIMENT BASINS ON AT LEAST A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. PROVIDE ACCESS FOR SEDIMENT REMOVAL AND OTHER REQUIRED MAINTENANCE ACTIVITIES. A CLEAN OUT STAKE SHALL BE PLACED NEAR THE CENTER OF EACH BASIN. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED THE CLEAN OUT ELEVATION ON THE STAKE AND THE BASIN RESTORED TO ITS ORIGINAL DIMENSIONS. DISPOSE OF MATERIALS REMOVED FROM THE BASIN IN THE MANNER DESCRIBED IN THE E&S PLAN.
- BASIN EMBANKMENTS, SPILLWAYS, AND OUTLETS SHALL BE INSPECTED FOR EROSION, PIPING, AND SETTLEMENT. NECESSARY REPAIRS SHALL BE IMMEDIATELY DISPLACED RIPRAP WITHIN THE OUTLET ENERGY DISSIPATER SHALL BE REPLACED IMMEDIATELY.
- ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISTURBED AREAS SHALL BE STABILIZED INSIDE THE BASIN BEFORE CONVERSION TO A TEMPORARY MANAGEMENT FACILITY. THE DEVICE SHOWN IN STANDARD CONSTRUCTION DETAIL #7-16 MAY BE USED TO DOWNER SATURATED SEDIMENT PRIOR TO ITS REMOVAL. ROCK FILTERS SHALL BE ADDED AS NECESSARY.

DETAIL 917
STANDARD CONSTRUCTION DETAIL #7-4
SEDIMENT BASIN EMBANKMENT AND SPILLWAY DETAILS - SKIMMER
N.T.S.

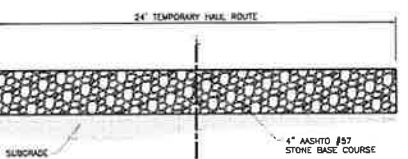


OUTLET NO.	PIPE DIA (IN)	THICK R1 (IN)	LENGTH L1 (FT)	TERMINAL WIDTH AW (FT)	TERMINAL AREA AW (SQ FT)
1	24	8-5	33	13	8
2	N/A	8-5	25	12	6
3	18	8-5	27	6	4.5
4	36	8-5	27	20	3
TEMP-1	18	8-5	27	6	4.5

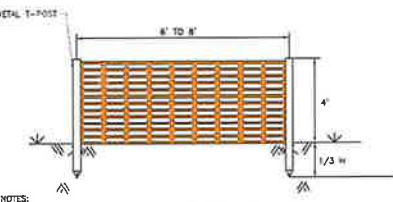
NOTES:

- ALL APRONS SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN. TERMINAL WIDTHS SHALL BE ADJUSTED AS NECESSARY TO MATCH RIPPING.
- ALL APRONS SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RUNOFF EVENT. DISPLACED RIPRAP WITHIN THE APRON SHALL BE REPLACED IMMEDIATELY.
- EXTEND RIPRAP ON BACK SIDE OF APRON TO AT LEAST 1/2 DEPTH OF PIPE ON BOTH SIDES TO PREVENT SCOUR AROUND THE PIPE.

DETAIL 910
RIPRAP APRON
N.T.S.



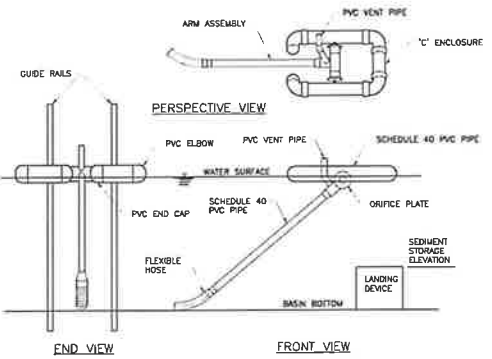
DETAIL 914
TEMPORARY HAUL ROUTE TO SPOIL AREA
N.T.S.



NOTES:

- POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 THE HEIGHT OF THE POST. FOR EXAMPLE A 6 FOOT POST SHOULD BE AT LEAST 2 FEET IN THE GROUND.
- SPACE POSTS EVERY 6 TO 8 FEET.
- SECURE FENCING TO POSTS WITH NYLON CABLE TIES (ALSO KNOWN AS "ZIP-TIES"). WOOD STRIPS MAY ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

DETAIL 915
ORANGE CONSTRUCTION FENCING & WETLAND BARRIER
N.T.S.

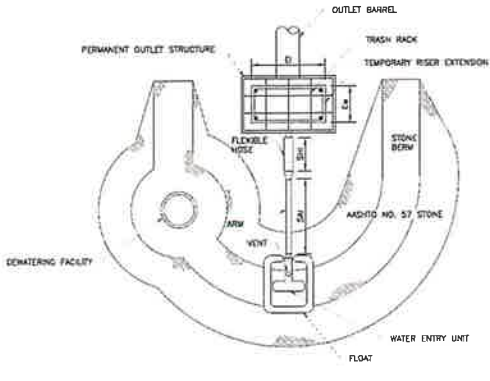


BASIN NO.	WATER SURFACE ELEVATION (FT)	ARM LENGTH (FT)	ARM DIA (IN)	ORIFICE DIA (IN)	TOP OF LANDING DEVICE ELEVATION (FT)	FLEXIBLE HOSE LENGTH (IN)	FLEXIBLE HOSE ATTACHMENT ELEVATION (FT)
1	1123.55	17.5	19	2.5	1123.00	12	1122.50

NOTES:

- ORIFICE DIAMETER MUST BE EQUAL TO OR LESS THAN ARM DIAMETER.
- A ROPE SHALL BE ATTACHED TO THE SKIMMER ARM TO FACILITATE ACCESS TO THE SKIMMER ONCE INSTALLED.
- SKIMMER SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. ANY MALFUNCTIONING SKIMMER SHALL BE REPAIRED OR REPLACED WITHIN 24 HOURS OF INSPECTION.
- ICE OR SEDIMENT BUILDUP AROUND THE PRINCIPAL SPILLWAY SHALL BE REMOVED SO AS TO ALLOW THE SKIMMER TO RESPOND TO FLUCTUATING WATER ELEVATIONS.
- SEDIMENT SHALL BE REMOVED FROM THE BASIN WHEN IT REACHES THE LEVEL MARKED ON THE SEDIMENT CLEAN-OUT STAKE OR THE TOP OF THE STONE BERM.
- A SEMI-CIRCULAR LANDING ZONE MAY BE SUBSTITUTED FOR THE GUIDE RAILS.

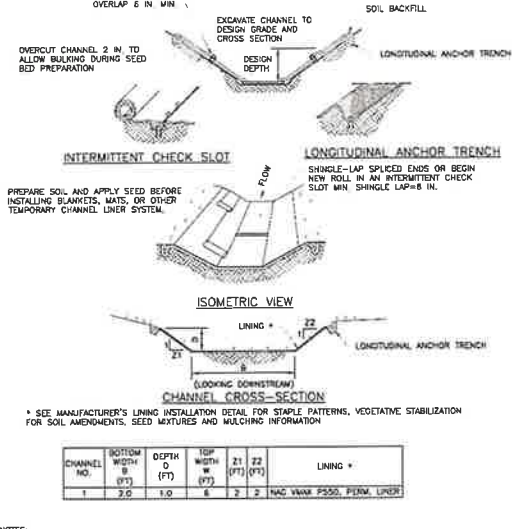
DETAIL 918
STANDARD CONSTRUCTION DETAIL #7-1
SKIMMER
N.T.S.



NOTES:

- NO GUIDE RAILS SHALL BE REQUIRED FOR THIS INSTALLATION.
- THIS DETAIL SHALL BE USED IN CONJUNCTION WITH PADP SKIMMER DETAIL.

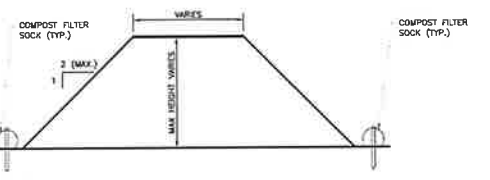
DETAIL 919
STANDARD CONSTRUCTION DETAIL #7-3
SKIMMER WITH STONE LANDING BERM
N.T.S.



NOTES:

- ANCHOR TRENCHES SHALL BE INSTALLED AT BEGINNING AND END OF CHANNEL IN THE SAME MANNER AS LONGITUDINAL ANCHOR TRENCHES.
- 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 SHOOTS (GRASS LEAF) SHALL BE REMOVED IN ANY MOWING. GRASS HEIGHT SHALL BE MAINTAINED BETWEEN 3 AND 3 INCHES UNLESS OTHERWISE SPECIFIED. EXCESS VEGETATION SHALL BE REMOVED FROM PERMANENT CHANNELS TO ENSURE SUFFICIENT CHANNEL CAPACITY.

DETAIL 911
VEGETATED CHANNEL
N.T.S.

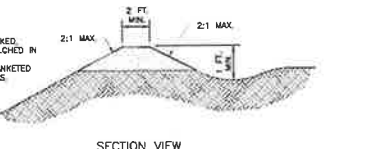


NOTES:

- TOPSOIL PILES MAY NOT EXCEED HEIGHT ALLOWANCE OF SOCK WITHOUT ADDITIONAL CONTROLS.
- TOPSOIL SHALL BE STOCKPILED TO THE NOTED DIMENSIONS AND IN THE LOCATIONS TO THE EXTENT PRACTICABLE. ADDITIONAL TOPSOIL SHALL BE STOCKPILED AT THE ATHLETIC FIELDS SITE AS NECESSARY.

REMARKS: TOPSOIL STOCKPILES SHALL BE INSPECTED DAILY.
MAINTENANCE: STOCKPILES EXPOSED FOR GREATER THAN 4 DAYS MUST BE REVEGETATED.

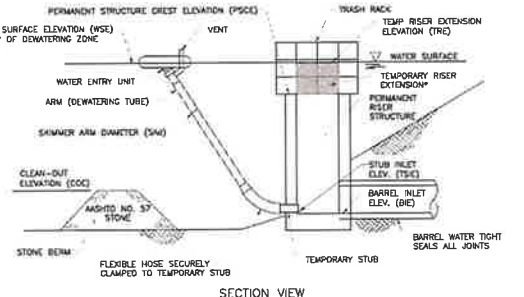
DETAIL 912
TOPSOIL STOCKPILE
N.T.S.



NOTES:

- TEMPORARY BERMS SHALL BE PLACED, MAINTAINED, AND ADJUSTED CONTINUOUSLY UNTIL SOLE VEGETATIVE GROWTH IS ESTABLISHED ON THE EXTERIOR SLOPES WITH PERMANENT STORM DRAINAGE FACILITIES FUNCTIONING.
- BERMS SHALL BE STOCKPILED TO THE NOTED DIMENSIONS AND IN THE LOCATIONS TO THE EXTENT PRACTICABLE. ADDITIONAL TOPSOIL SHALL BE STOCKPILED AT THE ATHLETIC FIELDS SITE AS NECESSARY.
- CHANNEL BEHIND BERM SHALL HAVE POSITIVE GRADE TO OUTLET AND AN APPROPRIATE PROTECTIVE LINING.
- BERM SHALL BE ADEQUATELY COMPACTED TO PREVENT FAILURE.
- AN ACCEPTABLE ALTERNATIVE TO TOP-OF-SLOPE BERM IS TO CONTINUOUSLY GRADE THE TOP OF FILL TO DIRECT RUNOFF AWAY FROM THE FILLSLOPE TO A COLLECTOR CHANNEL, SEDIMENT TRAP, OR SEDIMENT BASIN.

DETAIL 916
STANDARD CONSTRUCTION DETAIL #6-4
TOP OF SLOPE BERM
N.T.S.



BASIN NO.	WATER SURFACE ELEV. (FT)	ORIFICE DIA (IN)	HEAD (FT)	SKIMMER		FLEXIBLE HOSE	
				DA (IN)	LENGTH (FT)	DA (IN)	LENGTH (FT)
1	1123.55	2.5	19	2.5	17.5	PVC	12

NOTES:

- ALL ORIFICES ON PERMANENT RISER BELOW TEMPORARY RISER EXTENSION SHALL HAVE WATER-TIGHT TEMPORARY SEALS PROVIDED. TEMPORARY STUB INVERT ELEVATION SHALL BE SET AT OR BELOW SEDIMENT CLEAN-OUT ELEVATION.
- A ROPE SHALL BE ATTACHED TO THE SKIMMER ARM TO FACILITATE ACCESS TO THE SKIMMER ONCE INSTALLED.
- SKIMMER SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. ANY MALFUNCTIONING SKIMMER SHALL BE REPAIRED OR REPLACED WITHIN 24 HOURS OF INSPECTION.
- ICE OR SEDIMENT BUILDUP AROUND THE PRINCIPAL SPILLWAY SHALL BE REMOVED SO AS TO ALLOW THE SKIMMER TO RESPOND TO FLUCTUATING WATER ELEVATIONS.
- SEDIMENT SHALL BE REMOVED FROM THE BASIN WHEN IT REACHES THE LEVEL MARKED ON THE SEDIMENT CLEAN-OUT STAKE OR THE TOP OF THE STONE BERM.

DETAIL 920
STANDARD CONSTRUCTION DETAIL #7-2
SKIMMER ATTACHED TO RISER
N.T.S.



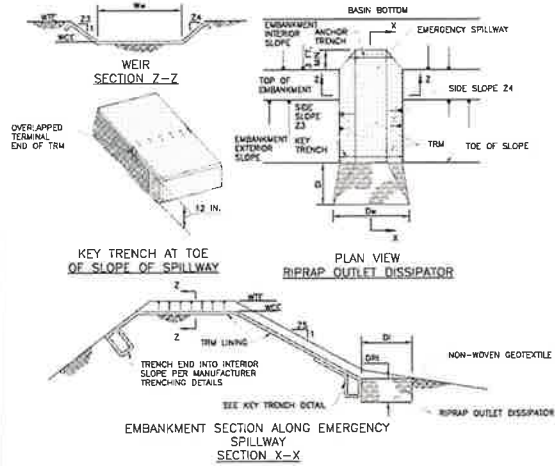
4350 Northern Pike
Suite 141
Pittsburgh, PA 15114
Ph: 724.372.5200
www.dccinc.com
DCC
Civil & Environmental
Consultants, Inc.

DATE	DESCRIPTION	BY
11/11/2025	ISSUED FOR PERMITS	AMR
11/11/2025	REVISED PER COMMENTS	AMR
11/11/2025	REVISED PER COMMENTS	AMR

REVISIONS:
1. TOWNSHIP AND AECID COMMENT LETTER AUGUST 1, 2025
2. TOWNSHIP AND AECID COMMENT LETTER AUGUST 1, 2025

TOWNSHIP AND AECID COMMENT LETTER AUGUST 1, 2025

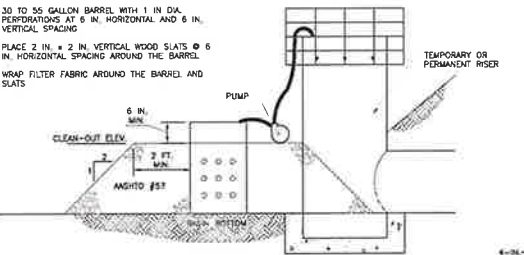
NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3600 OLD OAKDALE RD, MCDONALD, PA, 15067
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD, MCDONALD, PA, 15067



BASIN NO.	WEIR		TRIM TYPE	LINING	CHANNEL			DISSSIPATOR		RIPRAP THICK. (IN)	
	Z3 (FT)	Z4 (FT)			WIDTH (FT)	DEPTH (FT)	LENGTH (FT)	WIDTH (FT)	RIPRAP SIZE (R-...)		
1	3	3		P300	E	2	0.50	6	60	P300	N/A

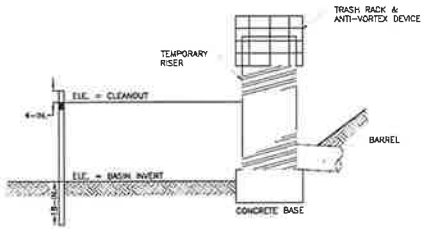
- NOTES:
- HEAVY EQUIPMENT SHALL NOT CROSS OVER SPILLWAY WITHOUT PRECAUTIONS TAKEN TO PROTECT TRIM LINING.
 - DISPLACED LINER WITHIN THE SPILLWAY AND/OR OUTLET CHANNEL SHALL BE REPLACED IMMEDIATELY.
 - RIPRAP AT TOE OF EMBANKMENT SHALL BE EXTENDED A SUFFICIENT LENGTH IN BOTH DIRECTIONS TO PREVENT SCOUR.
 - THE USE OF BAFFLES THAT REQUIRE SUPPORT POSTS ARE RESTRICTED FROM USE IN BASINS REQUIRING IMPERVIOUS LINERS.

DETAIL 921
STANDARD CONSTRUCTION DETAIL #7-13
SEDIMENT BASIN EMERGENCY SPILLWAY WITH BLANKET LINER
N.T.S.

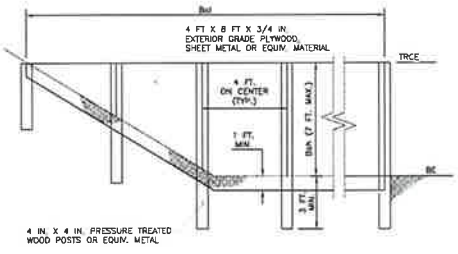


- NOTES:
- DEWATERING FACILITY SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF BASIN/TRAP.
 - PRIOR TO INITIATING OPERATION OF DEWATERING FACILITY, ALL ACCUMULATED SEDIMENT SHALL BE CLEANED FROM THE INSIDE OF THE BARREL.
 - DEWATERING FACILITY SHALL BE CONTINUOUSLY MONITORED DURING OPERATION IF FOR ANY REASON THE DEWATERING FACILITY CEASES TO FUNCTION PROPERLY, IT SHALL BE IMMEDIATELY SHUT DOWN AND NOT RESTARTED UNTIL THE PROBLEM HAS BEEN CORRECTED.

DETAIL 922
SEDIMENT BASIN SEDIMENT STORAGE DEWATERING DETAIL
N.T.S.



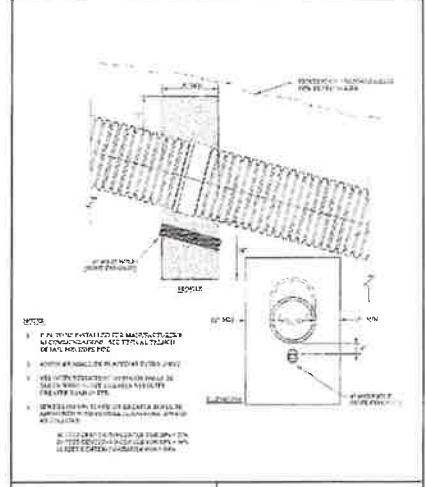
DETAIL 923
SEDIMENT STAKE CLEANOUT DETAIL
N.T.S.



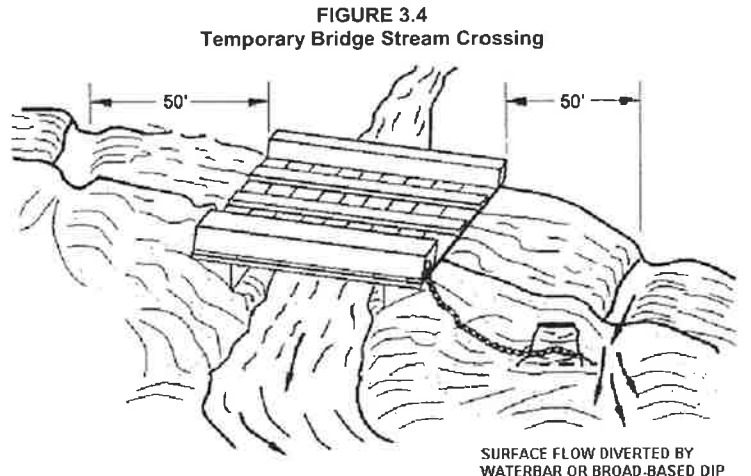
BASIN OR TRAP NO.	BAFFLE		TEMPORARY RISER CREST ELEV. (FT)	BOTTOM ELEV. (FT)
	LENGTH (FT)	HEIGHT (FT)		
1	330	4	1126.00	1122.00

- NOTES:
- SEE APPROPRIATE BASIN DETAIL FOR PROPER LOCATION AND ORIENTATION.
 - AN ACCEPTABLE ALTERNATIVE IS TO INSTALL A SUPER SILT FENCE AT THE BAFFLE LOCATION.
 - IN POOLS WITH DEPTHS EXCEEDING 7', THE TOP OF THE PLYWOOD BAFFLE DOES NOT NEED TO EXTEND TO THE TEMPORARY RISER CREST. SUPER SILT FENCE BAFFLES NEED NOT EXTEND TO TRICE ELEVATION.
 - BAFFLES SHALL BE TIED INTO ONE SIDE OF THE BASIN UNLESS OTHERWISE SHOWN ON THE PLAN DRAWINGS.
 - SUBSTITUTION OF MATERIALS NOT SPECIFIED IN THIS DETAIL SHALL BE APPROVED BY THE DEPARTMENT OR THE LOCAL CONSERVATION DISTRICT BEFORE INSTALLATION.
 - DAMAGED OR WARPED BAFFLES SHALL BE REPLACED WITHIN 7 DAYS OF INSPECTION.
 - BAFFLES REQUIRING SUPPORT POSTS SHALL NOT BE INSTALLED IN BASINS REQUIRING IMPERVIOUS LINERS.

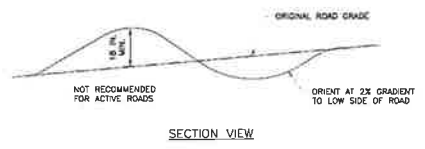
DETAIL 924
TEMPORARY BAFFLE
N.T.S.



DETAIL 925
CONCRETE PIPE ANCHORS
N.T.S.



DETAIL 926
TEMPORARY BRIDGE STREAM CROSSING
N.T.S.

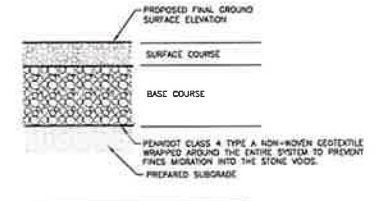


SECTION VIEW

PERCENT GRADE	SPACING (FT)
< 5	250
5-10	150
10-20	100
> 20	50

- NOTES:
- WATERBARS SHALL DISCHARGE TO A STABLE AREA.
 - WATERBARS SHALL BE INSPECTED WEEKLY (DAILY ON ACTIVE ROADS) AND AFTER EACH RUNOFF EVENT. DAMAGED OR ERODED WATERBARS SHALL BE RESTORED TO ORIGINAL DIMENSIONS WITHIN 24 HOURS OF INSPECTION.
 - MAINTENANCE OF WATERBARS SHALL BE PROVIDED UNTIL ROADWAY, SKIDTRAIL, OR RIGHT-OF-WAY HAS ACHIEVED PERMANENT STABILIZATION.
 - WATERBARS ON RETIRED ROADWAYS, SKIDTRAILS, AND RIGHT-OF-WAYS SHALL BE LEFT IN PLACE AFTER PERMANENT STABILIZATION HAS BEEN ACHIEVED.
 - SEE PA DEP EROSION CONTROL MANUAL, TABLE 3.1 FOR WATERBAR SPACING.

DETAIL 927
WATERBAR
N.T.S.



ITEM	SECTION TYPE	GRAVEL SECTION
SURFACE COURSE	PENNDOT 2A	3 IN. MIN.
BASE COURSE	ASHTO #1 OR PENNDOT 3A	6 IN. MIN.
LINER	GEOTEXTILE	CLASS #

- NOTES:
- PRIOR TO PLACEMENT OF PENNDOT CLASS 4 GEOTEXTILE, THE PAVEMENT SUBGRADE SHALL BE PREPARED AS FOLLOWS:
 - PAVEMENT SUBGRADE SHALL BE PRODFOLLOED USING A FULLY-LOADED DUMP TRUCK PRIOR TO PAVEMENT CONSTRUCTION. ANY SOFT AREAS SHALL BE OVERGRAVATED TO A FIRM AND COMPACT MATERIAL AND BACKFILLED AS DESCRIBED IN 1B.
 - ALL APPROVED FILL SHALL BE PLACED IN MAXIMUM 8 IN. THICK, LOOSE LIFTS AND COMPACTED TO 98% OF ITS MAXIMUM DRY DENSITY AND WITHIN 2% OF ITS OPTIMUM MOISTURE CONTENT. THE FILL MATERIAL'S MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT SHALL BE DETERMINED BY ASTM D1557 (MOORFED PROCTOR).
 - AFTER COMPACTION THE PAVEMENT SUBGRADE SHALL PROVIDE A FIRM UNWEILDING FOUNDATION WITH NO SUDDEN, SHARP OR ABRUPT CHANGES OR BREAKS IN GRADES. NO STANDING WATER OR EXCESS MOISTURE SHALL BE PRESENT. ALL SOFT AND YIELDING AREAS SHALL BE REMOVED BY OVERGRAVATING TO A FIRM AND COMPACT MATERIAL AND BACKFILLED AS DESCRIBED IN 1B.
 - THE SUBGRADE SHALL BE GRADED AND SHAPED AS REQUIRED TO CONSTRUCT THE AGGREGATE BASE COURSE IN CONFORMANCE WITH THE GRADES, LINES AND THICKNESSES SHOWN ON THE DRAWINGS.

DETAIL 928
TEMPORARY HAUL ROUTE TO SPOIL AREA
N.T.S.



4350 Northern Pike
Suite 141
Monroeville, PA 15146
Ph: 724.327.5200
www.cccinc.com

CCC
Civil & Environmental
Consultants, Inc.

DATE	BY	REVISION
08/09/2025	AS SHOWN	AS SHOWN
08/09/2025	AS SHOWN	AS SHOWN

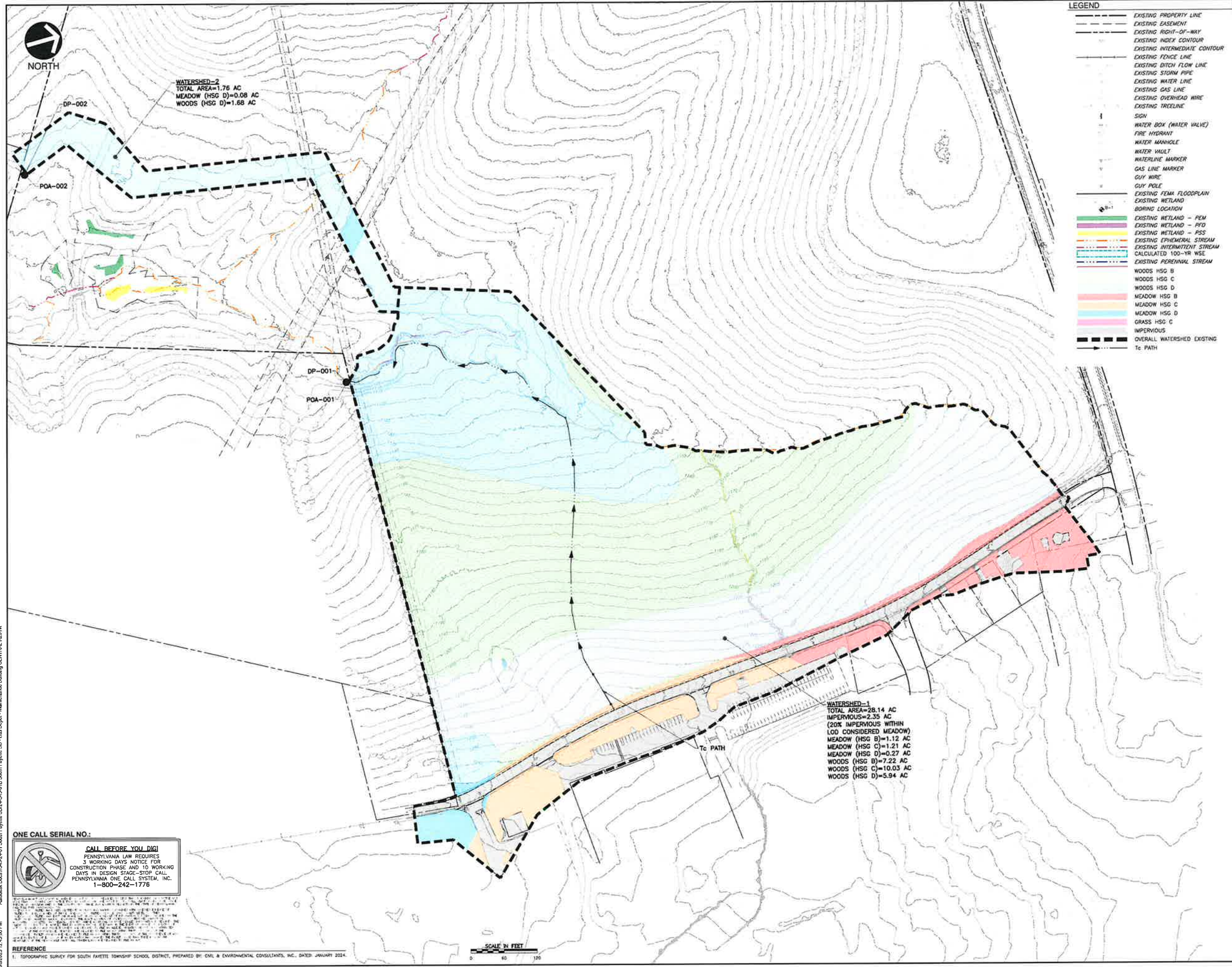
1. TOWNSHIP AND ACED COMMENT LETTER AUGUST 14, 2025
2. TOWNSHIP AND ACED COMMENT LETTER AUGUST 14, 2025

TOWNSHIP AND ACED COMMENT LETTER AUGUST 14, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3680 OLD OAKDALE RD MCDONALD, PA, 15087
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD MCDONALD, PA, 15087

E&S CONTROL PLAN DETAILS (3 OF 3)

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WATERSHED-2
TOTAL AREA=1.76 AC
MEADOW (HSG D)=0.08 AC
WOODS (HSG D)=1.68 AC

WATERSHED-1
TOTAL AREA=28.14 AC
IMPERVIOUS=2.35 AC
(20% IMPERVIOUS WITHIN
LOD CONSIDERED MEADOW)
MEADOW (HSG B)=1.12 AC
MEADOW (HSG C)=1.21 AC
MEADOW (HSG D)=0.27 AC
WOODS (HSG B)=7.22 AC
WOODS (HSG C)=10.03 AC
WOODS (HSG D)=5.94 AC

LEGEND

	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	EXISTING RIGHT-OF-WAY
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	EXISTING FENCE LINE
	EXISTING DITCH FLOW LINE
	EXISTING STORM PIPE
	EXISTING WATER LINE
	EXISTING GAS LINE
	EXISTING OVERHEAD WIRE
	EXISTING TREE LINE
	SIGN
	WATER BOX (WATER VALVE)
	FIRE HYDRANT
	WATER MANHOLE
	WATER VAULT
	WATERLINE MARKER
	GAS LINE MARKER
	GUY WIRE
	GUY POLE
	EXISTING FEMA FLOODPLAIN
	EXISTING WETLAND
	BORING LOCATION
	EXISTING WETLAND - PEM
	EXISTING WETLAND - PFD
	EXISTING WETLAND - PSS
	EXISTING EPHEMERAL STREAM
	EXISTING INTERMITTENT STREAM
	CALCULATED 100-YR WSE
	EXISTING PERENNIAL STREAM
	WOODS HSG B
	WOODS HSG C
	WOODS HSG D
	MEADOW HSG B
	MEADOW HSG C
	MEADOW HSG D
	GRASS HSG C
	IMPERVIOUS
	OVERALL WATERSHED EXISTING
	Tc PATH

ONE CALL SERIAL NO:

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 10 WORKING
DAYS IN DESIGN STAGE-STOP CALL:
PENNSYLVANIA ONE CALL SYSTEM, INC.
1-800-242-1776

REFERENCE
1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC., DATED JANUARY 2024.

4350 Northern Pike
Suite 141
Monroeville, PA 15146
Ph: 724.327.5200
www.ccecinc.com

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3800 OLD OAKDALE RD MCDONALD, PA, 15087
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3800 OLD OAKDALE RD
MCDONALD, PA, 15057

PRE-DEVELOPMENT HYDROLOGY

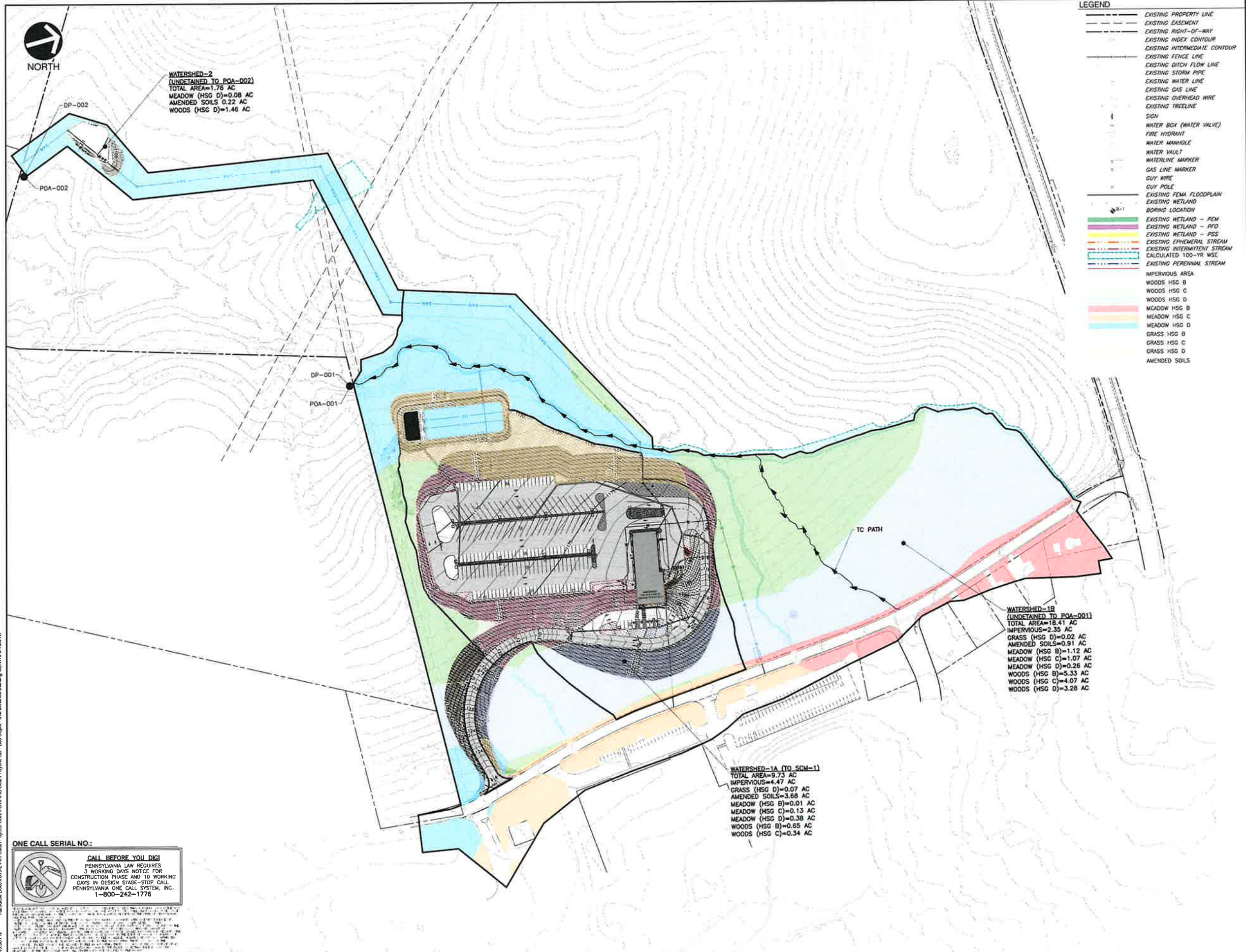
Proj No. 24-S46-01B
Issue Date 06/06/2025

HYD7

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REVISIONS
1 LOCAL COMMENTS/REVISED JULY 15, 2025
2 TOWNSHIP AND AGED COMMENT LETTER AUGUST 11, 2025

TOWNSHIP AND AGED COMMENT LETTER AUGUST 4, 2025



WATERSHED-2
(UNDAINED TO POA-002)
TOTAL AREA=1.76 AC
MEADOW (HSG D)=0.08 AC
AMENDED SOILS 0.22 AC
WOODS (HSG D)=1.46 AC

WATERSHED-1B
(UNDAINED TO POA-001)
TOTAL AREA=18.41 AC
IMPERVIOUS=2.35 AC
GRASS (HSG D)=0.02 AC
AMENDED SOILS=0.91 AC
MEADOW (HSG B)=1.12 AC
MEADOW (HSG C)=1.07 AC
MEADOW (HSG D)=0.26 AC
WOODS (HSG B)=5.33 AC
WOODS (HSG C)=4.07 AC
WOODS (HSG D)=3.28 AC

WATERSHED-1A (TO SCW-1)
TOTAL AREA=9.73 AC
IMPERVIOUS=4.47 AC
GRASS (HSG D)=0.07 AC
AMENDED SOILS=3.88 AC
MEADOW (HSG B)=0.01 AC
MEADOW (HSG C)=0.13 AC
MEADOW (HSG D)=0.38 AC
WOODS (HSG B)=0.65 AC
WOODS (HSG C)=0.34 AC

- LEGEND**
- EXISTING PROPERTY LINE
 - EXISTING EASEMENT
 - EXISTING RIGHT-OF-WAY
 - EXISTING INDEX CONTOUR
 - EXISTING INTERMEDIATE CONTOUR
 - EXISTING FENCE LINE
 - EXISTING DITCH FLOW LINE
 - EXISTING STORM PIPE
 - EXISTING WATER LINE
 - EXISTING GAS LINE
 - EXISTING OVERHEAD WIRE
 - EXISTING TREE LINE
 - SIGN
 - WATER BOX (WATER VALVE)
 - FIRE HYDRANT
 - WATER MANHOLE
 - WATER VAULT
 - WATERLINE MARKER
 - GAS LINE MARKER
 - GUY WIRE
 - GUY POLE
 - EXISTING FEMA FLOODPLAIN
 - EXISTING WETLAND
 - BORING LOCATION
 - EXISTING WETLAND - PEM
 - EXISTING WETLAND - PFD
 - EXISTING WETLAND - PSS
 - EXISTING EPHEMERAL STREAM
 - EXISTING INTERMITTENT STREAM
 - CALCULATED 100-YR WSE
 - EXISTING PERENNIAL STREAM
 - IMPERVIOUS AREA
 - WOODS HSG B
 - WOODS HSG C
 - WOODS HSG D
 - MEADOW HSG B
 - MEADOW HSG C
 - MEADOW HSG D
 - GRASS HSG B
 - GRASS HSG C
 - GRASS HSG D
 - AMENDED SOILS

ONE CALL SERIAL NO:

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3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 10 WORKING
DAYS IN DESIGN STAGE-STOP CALL
PENNSYLVANIA ONE CALL SYSTEM, INC.
1-800-242-1776

REFERENCE
1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY CML & ENVIRONMENTAL CONSULTANTS, INC., DATED JANUARY 2004.



DRAW COLLECTIVE
470 Washington Road, Pittsburgh, PA 15228
412.561.7117 www.DRAWcollective.com



4350 Northern Pike
Suite 141
Pittsburgh, PA 15146
Ph: 724.327.5200
www.cccinc.com

CCC
Civil & Environmental
Consultants, Inc.

DATE	BY	CHKD
06/06/2025	AMR	AMR
DATE	BY	CHKD
06/06/2025	AMR	AMR

REVISIONS
1 ACCORDING TO TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025
2 TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

TOWNSHIP AND ACED COMMENT LETTER AUGUST 4, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
3800 OLD OAKDALE RD MCDONALD, PA, 15057
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3800 OLD OAKDALE RD
MCDONALD, PA, 15057

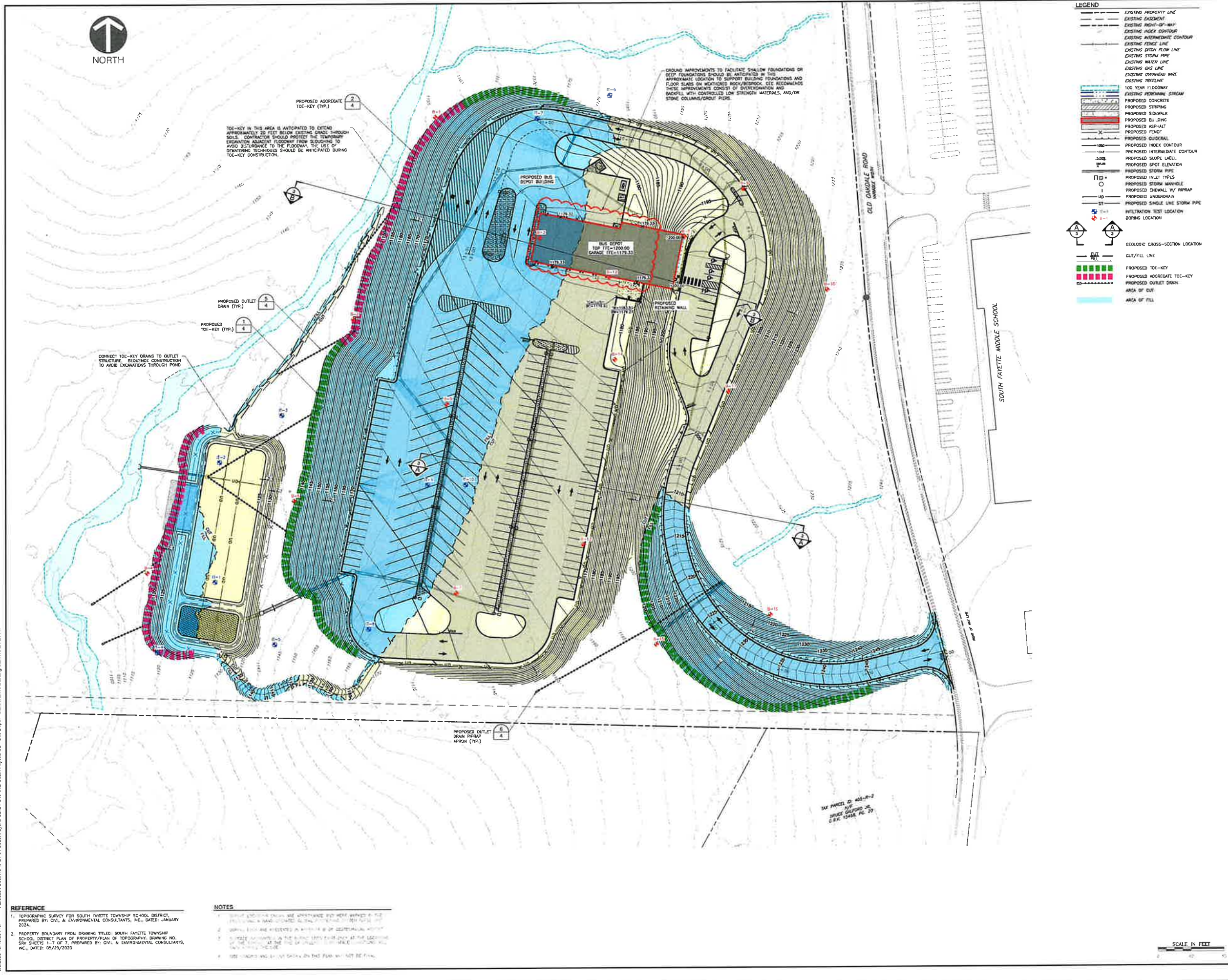
POST DEVELOPMENT HYDROLOGY

Proj No. 24-SB-01B
Issue Date 06/06/2025

HYD8

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2025

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LEGEND

---	EXISTING PROPERTY LINE
---	EXISTING EASEMENT
---	EXISTING RIGHT-OF-WAY
---	EXISTING HOOR CONTOUR
---	EXISTING INTERMEDIATE CONTOUR
---	EXISTING FENCE LINE
---	EXISTING DITCH FLOW LINE
---	EXISTING STORM PIP
---	EXISTING WATER LINE
---	EXISTING GAS LINE
---	EXISTING OVERHEAD WRE
---	EXISTING TRAILLINE
---	EXISTING PERMANENT STREAM
---	100 YEAR FLOODWAY
---	PROPOSED CONCRETE
---	PROPOSED STRIPING
---	PROPOSED SIDEWALK
---	PROPOSED ASPHALT
---	PROPOSED FENCE
---	PROPOSED GUIDEWALL
---	PROPOSED INDEX CONTOUR
---	PROPOSED INTERMEDIATE CONTOUR
---	PROPOSED SLOPE LABEL
---	PROPOSED SPOT ELEVATION
---	PROPOSED STORM PIPE
---	PROPOSED INLET TYPES
---	PROPOSED STORM MANHOLE
---	PROPOSED ENDWALL W/ RIPRAP
---	PROPOSED UNDERDRAIN
---	PROPOSED SINGLE LINE STORM PIPE
---	INFILTRATION TEST LOCATION
---	BORING LOCATION
---	GEOLOGIC CROSS-SECTION LOCATION
---	CUT/FILL LINE
---	PROPOSED TOE-KEY
---	PROPOSED AGGREGATE TOE-KEY
---	PROPOSED OUTLET DRAIN
---	AREA OF CUT
---	AREA OF FILL

REFERENCE

1. TOPOGRAPHIC SURVEY FOR SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT, PREPARED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC., DATED: JANUARY 2024.
2. PROPERTY BOUNDARY FROM DRAWING TITLED SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT PLAN OF PROPERTY/PLAN OF TOPOGRAPHY, DRAWING NO. SVY SHEETS 1-7 OF 7, PREPARED BY CIVIL & ENVIRONMENTAL CONSULTANTS, INC., DATED: 04/29/2020

NOTES

1. ALL NOTES AND DIMENSIONS ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION.
2. ALL NOTES AND DIMENSIONS ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION.
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4. ALL NOTES AND DIMENSIONS ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION.



4350 Northern Pike
Suite 141
Pittsburgh, PA 15146
Ph: 724.327.5200
www.ccecinc.com

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FILE NO: 24-SAB-01B	APPROVED BY: JCS
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REVISIONS

GEOTECHNICAL REPORT - JUNE 8, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY

3800 OLD OAKDALE RD MCDONALD, PA, 15087
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD
MCDONALD, PA, 15087

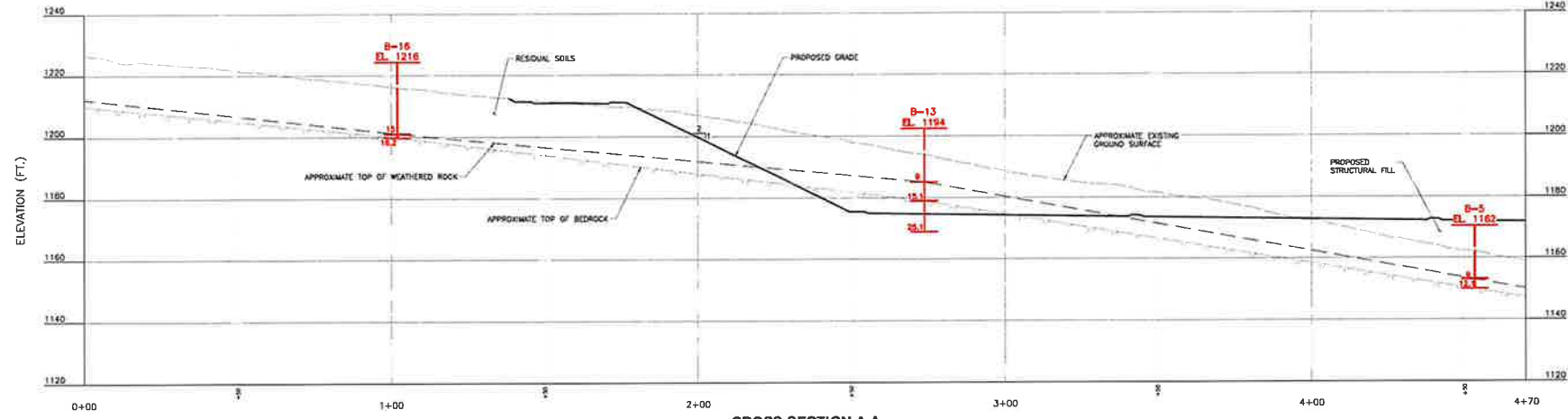
BORING AND INFILTRATION TEST LOCATION PLAN

Proj No. 24-SAB-01B
Issue Date: 06/06/2025

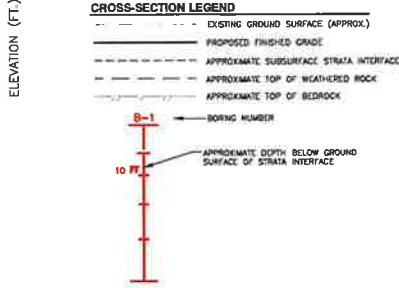
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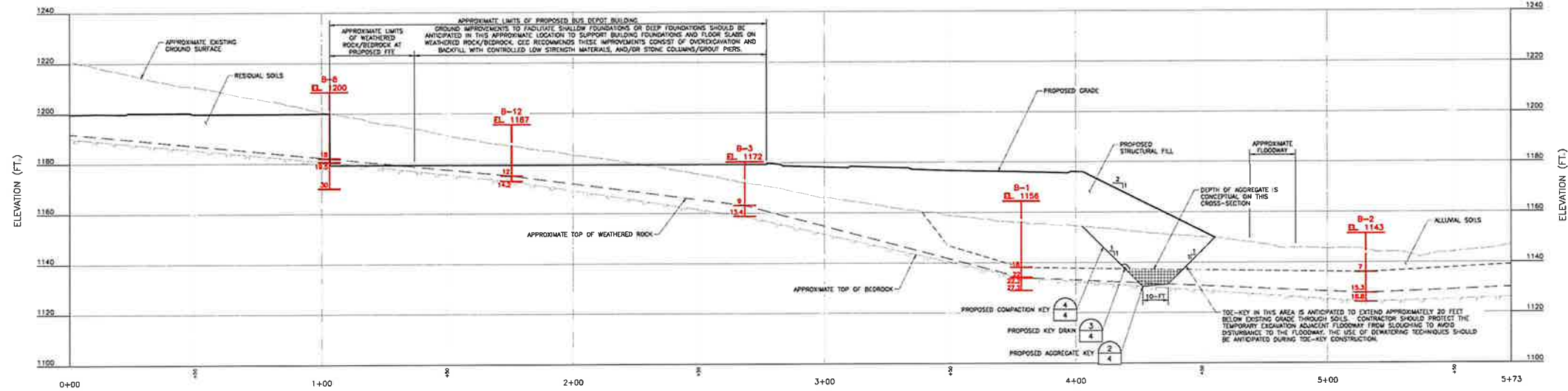
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CROSS-SECTION A-A
 SCALE H:1"=20'; V:1"=20'
 SCALE IN FEET (HORIZONTAL)
 SCALE IN FEET (VERTICAL)



- NOTES**
1. CEC BORING LOGS ARE PRESENTED IN APPENDIX B OF THE GEOTECHNICAL REPORT. NOT EVERY STRATUM IS DEFINED/SHOWN ON THE CROSS-SECTION DUE TO THE SCALE OF THE CROSS-SECTION. MORE DETAILED BORING INFORMATION IS PRESENTED ON THE BORING LOGS.
 2. BORING LOCATIONS SHOWN ON THE CROSS-SECTION ARE APPROXIMATE AND PROJECTED AS NECESSARY.
 3. THE SUBSURFACE INFORMATION PRESENTED HEREIN DEPICTS SUBSURFACE CONDITIONS AT THE TEST BORING LOCATIONS AND AT THE TIME OF DRILLING. SOIL CONDITIONS AT OTHER LOCATIONS MAY DIFFER.
 4. THE DEPTHS AND THICKNESSES OF THE SUBSURFACE STRATA INDICATED ON THE PROFILE WERE GENERALIZED FROM AND INTERPOLATED BETWEEN THE EXPLORATION BORINGS AND/OR APPARENT SITE FEATURES. INFORMATION ON ACTUAL SUBSURFACE CONDITIONS EXIST ONLY AT THE LOCATIONS OF THE EXPLORATION BORINGS AND IT IS POSSIBLE THAT SUBSURFACE CONDITIONS BETWEEN THE EXPLORATION BORINGS MAY VARY FROM THOSE INDICATED.
 5. GRADING SHOWN HEREON IS PRELIMINARY AND SUBJECT TO CHANGE.



CROSS-SECTION B-B
 SCALE H:1"=20'; V:1"=20'
 SCALE IN FEET (HORIZONTAL)
 SCALE IN FEET (VERTICAL)



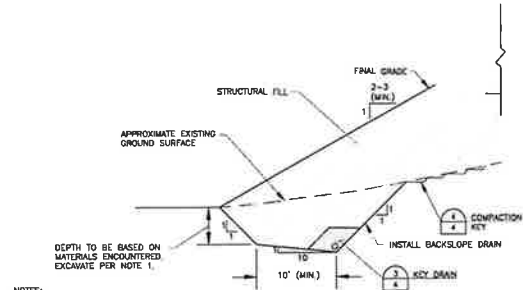
14350 Northern Pike
 Suite 141
 Pilesgrove, PA 19380
 Ph: 724.327.5200
 www.cecinc.com
Civil & Environmental Consultants, Inc.

DATE	06/06/2025	BY	SEC
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*HARD BOUND TIME ON FILE			

REVISIONS

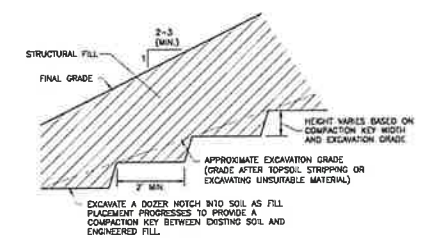
GEOTECHNICAL REPORT - JUNE 6, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY
 3680 OLD OAKDALE RD MCDONALD, PA, 19057
 SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3680 OLD OAKDALE RD
 MCDONALD, PA, 19057

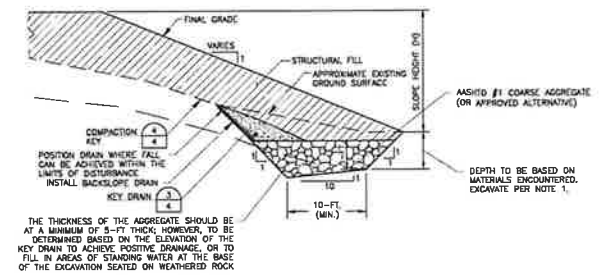


- NOTES:
1. THE FRONT OF THE PROPOSED TOE-KEYS SHALL BE EXTENDED INTO WEATHERED ROCK AND/OR BEDROCK.
 2. REFER TO AVAILABLE BORING INFORMATION TO ESTIMATE APPROXIMATE TOE-KEY DEPTHS. ACTUAL TOE-KEY DEPTH SHALL BE DETERMINED IN THE FIELD BY A QUALIFIED DESIGNATED REPRESENTATIVE.
 3. DEEPER TOE-KEYS SHALL TRANSITION GRADUALLY INTO SHALLOWER TOE KEYS.
 4. INSTALL KEY DRAIN AT THE HEEL (BOTTOM BACK) OF TOE KEY IN ACCORDANCE WITH DETAIL 3, IF APPROVED BY THE GEOTECHNICAL ENGINEER, THE BASE OF KEY DRAINS MAY BE RAISED IN ELEVATION TO ALLOW FOR OUTLETING WITHIN THE PROPOSED LOD.
 5. OUTLET TOE KEY DRAINS AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER. CONSTRUCT OUTLETS IN ACCORDANCE WITH OUTLET DRAIN DETAIL 5.

**DETAIL 1
FILL TOE-KEY**
N.T.S.

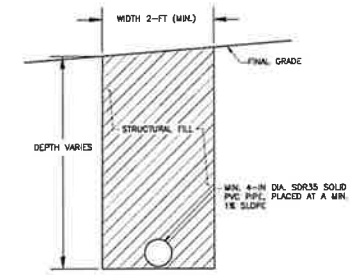


**DETAIL 4
COMPACTION KEY**
N.T.S.

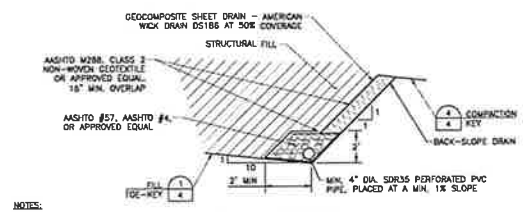


- NOTES:
1. THE FRONT OF THE PROPOSED TOE-KEYS SHALL BE EXTENDED INTO WEATHERED ROCK AND/OR BEDROCK.
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 5. OUTLET TOE KEY DRAINS AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER. CONSTRUCT OUTLETS IN ACCORDANCE WITH OUTLET DRAIN DETAIL 5.

**DETAIL 2
FILL AGGREGATE KEY**
N.T.S.

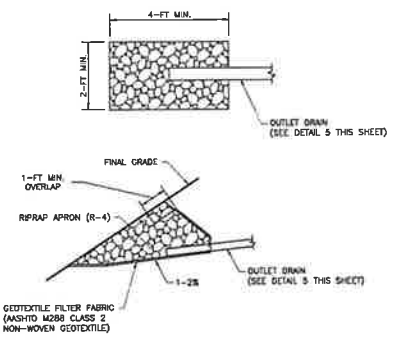


**DETAIL 5
OUTLET DRAIN**
N.T.S.



- NOTES:
1. SLOPE PIPES AT 1% MIN. TOWARDS THE OUTLET DRAIN LOCATION AND IN THE DIRECTION INDICATED ON THE PLAN.
 2. BACK-SLOPE DRAINS CONSIST OF GEOTEXTILE SHEET DRAIN (50% CONTRACTED) AND SHALL BE INSTALLED IF SEEPS, GROUNDWATER, OR EVIDENCE OF GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION. TERMINATE BACK-SLOPE DRAIN AT THE DESIGNATED SEEP/GROUNDWATER LOCATION OR A MAXIMUM OF 3'-FT BELOW FINISHED GRADE.

**DETAIL 3
KEY DRAIN**
N.T.S.



**DETAIL 6
OUTLET DRAIN RIPRAP APRON**
N.T.S.



4350 Northern Pike
Suite 141
Pittsburgh, PA 15146
Ph: 724.327.5200
www.cesinc.com

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Consultants, Inc.

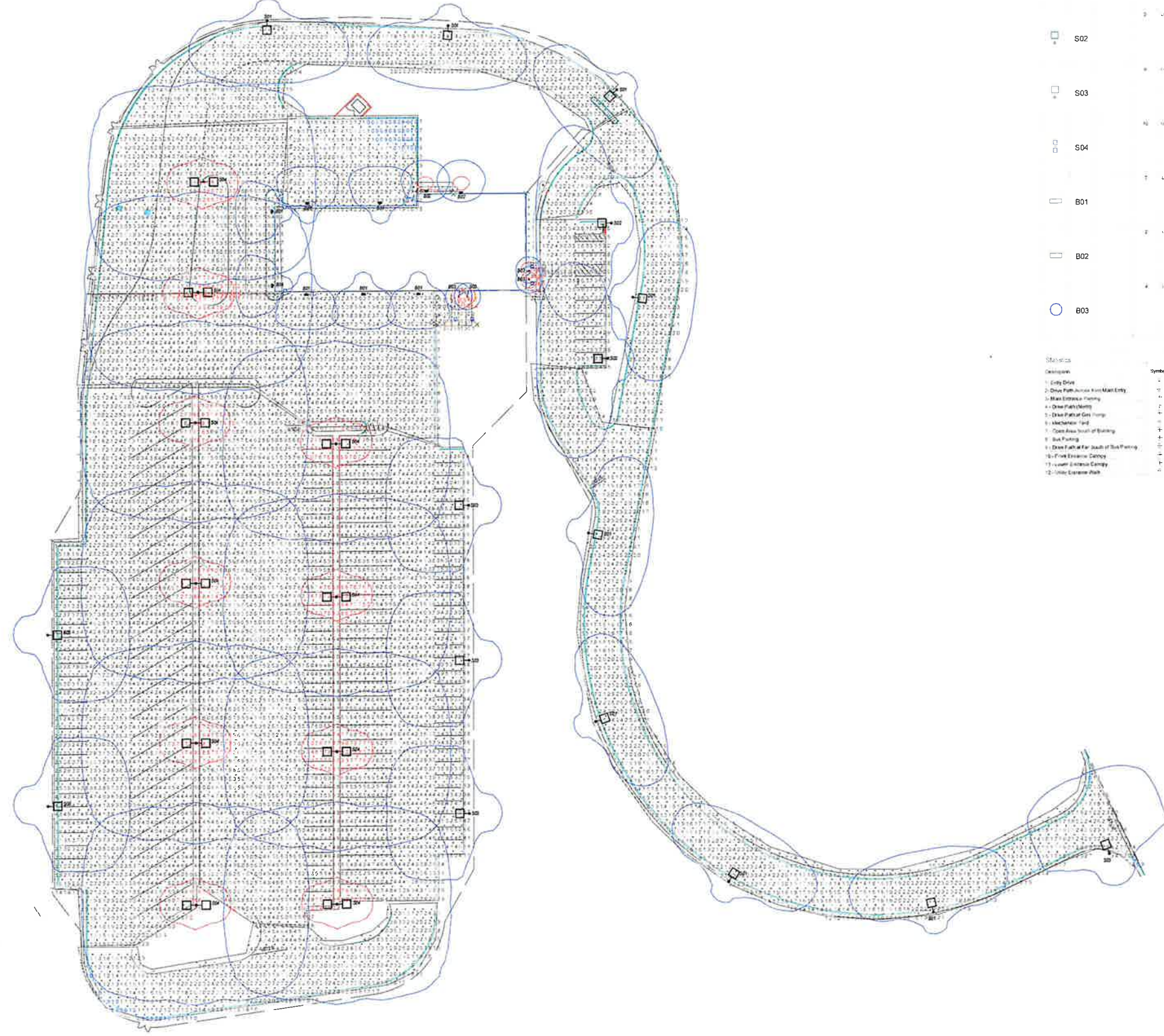
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REVISIONS:
GEOTECHNICAL REPORT - JUNE 9, 2025

NEW DISTRICT MAINTENANCE & BUS DEPOT FACILITY

3800 OLD OAKDALE RD MCDONALD, PA, 15057
SOUTH FAYETTE TOWNSHIP SCHOOL DISTRICT 3800 OLD OAKDALE RD
MCDONALD, PA, 15057

GEOTECHNICAL DETAILS



Fixture	Level	Height	Qty	Manufacturer	Fixture	Beam Spread	Beam Angle	Beam Type	Lumens Output	Foot Candles	Foot Candles
S01	1	10'	1	LED	LED P4 40' 40' 40' 40'	10'	10'	10'	10'	10'	10'
S02	1	10'	1	LED	LED P7 40' 40' 40' 40'	10'	10'	10'	10'	10'	10'
S03	1	10'	1	LED	LED P4 40' 40' 40' 40'	10'	10'	10'	10'	10'	10'
S04	1	10'	1	LED	LED P4 40' 40' 40' 40'	10'	10'	10'	10'	10'	10'
B01	1	10'	1	LED	LED P4 40' 40' 40' 40'	10'	10'	10'	10'	10'	10'
B02	1	10'	1	LED	LED P4 40' 40' 40' 40'	10'	10'	10'	10'	10'	10'
B03	1	10'	1	LED	LED P4 40' 40' 40' 40'	10'	10'	10'	10'	10'	10'

Statistics

Designation	Symbol	Avg	Max	Min	Max/Min	Avg/Min
1 Entry Drive	+	1.0 fc	0.5 fc	0.0 fc	4.0 ft	2.1
2 Drive Path Access from Main Entry	+	2.0 fc	0.5 fc	1.0 fc	3.5 ft	2.0
3 Main Entrance Parking	+	3.2 fc	0.5 fc	1.0 fc	2.7 ft	2.0
4 Drive Path to Shop	+	2.1 fc	0.0 fc	1.2 fc	2.5 ft	1.4
5 Drive Path to Gas Pump	+	4.7 fc	0.4 fc	1.7 fc	5.1 ft	2.4
6 Mechanic Yard	+	2.2 fc	0.0 fc	0.7 fc	6.6 ft	3.1
7 Open Area South of Building	+	4.0 fc	0.0 fc	1.7 fc	5.1 ft	2.4
8 Shop Parking	+	4.7 fc	0.5 fc	1.2 fc	7.3 ft	3.6
9 Drive Path to Far South of Shop Parking	+	2.4 fc	0.0 fc	0.4 fc	6.1 ft	3.0
10 Front Entrance Canopy	+	1.9 fc	12.7 fc	2.0 fc	8.9 ft	4.5
11 Lower Entrance Canopy	+	4.2 fc	19.7 fc	1.0 fc	19.7 ft	4.2
12 Lower Entrance Walk	+	5.2 fc	7.0 fc	2.0 fc	1.9 ft	1.4

REVISIONS



