

Sheet List Table					
Sheet Number	Sheet Title				
1	COVER SHEET				
2	EXISTING CONDITIONS & DEMO PLAN				
3	EXISTING CONDITIONS PLAN (AERIAL)				
4	LAND DEVELOPMENT PLAN - SITE LAYOUT				
5	GRADING & DRAINAGE PLAN				
6	LANDSCAPE PLAN				
7	E & S POLLUTION CONTROL PLAN				
8	SITE LIGHTING PLAN				
9	SANITARY SEWER PLAN & PROFILE				
10	STORM SEWER PLAN & PROFILES				
11	SITE DETAILS				
12	SITE DETAILS				
13	SWM DETAILS				
14	SWM DETAILS				
15	UTILITY DETAILS				
16	UTILITY DETAILS				
17	UTILITY DETAILS				
18	UTILITY DETAILS				
19	E&S CONTROL DETAILS				
20	E&S CONTROL DETAILS				

1.	Record owner and applicant:
	Mihail Malinov
	2509 Mill Rd.
	Mechanicsburg, PA 17055
2.	Phone: (717) 713-3892
3.	Deed reference: INST # 201623365
4.	Property is zoned Medium Density Residential (R-2)
5.	Gross acreage: 1.75 acres
6.	Existing number of lots: 1
7.	Proposed number of lots: 1
8.	Existing number of dwelling units: 1
9.	Proposed number of dwelling units: 13
10.	1 , , ,
11.	Proposed use: 13 Single-Family Attached (Townho
12.	
13.	Proposed total length of new private streets: 0 line
14.	, , , , ,
	floodplains, or contaminated soils known to exist or
	portion of this site.
15.	
16.	
17.	Maximum proposed building height is 35 feet.
18.	Site is tax parcel number 42-30-2110-028.

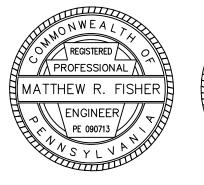
REQUESTED WAIVERS, MODIFICATIONS, DEFERRALS							
ORDINANCE SEC.	REQUIREMENT	DATE APPROVED	FULL WAIVER, MODIFICATION, OR DEFERRAL				
220-5.10.A.1.	30' WIDE STORM DRAINAGE EASEMENTS TO ALLOW LESS THAN 30 FEET IN CERTAIN LOCATIONS THAT WON'T PERMIT 30' OF WIDTH. TO ALLOW 20' MIN. AS SUFFICIENT AND TO ALLOW TREES AND SHRUBS WITHIN EASEMENTS.		MODIFICATION				

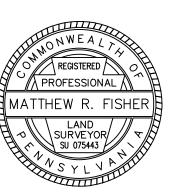
E&S CONTROL DETAILS

ENGINEER & SURVEYOR

21

R.J. FISHER & ASSOCIATES ENGINEERING, PLANNING & SURVEYING **1546 BRIDGE STREET** NEW CUMBERLAND, PA 17070 (717) 774-7534





GEOLOGIST CERTIFICATION:

I, MATTHEW R.FISHER, P.E., P.L.S, HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR, AND A REGISTERED ENGINEER IN COMPLIANCE WITH THE LAWS OF THE COMMONWEALTH OF PENNSYLVANIA; THAT THIS PLAN CORRECTLY REPRESENTS A SURVEY COMPLETED BY ME ON 11/30/2021; THAT ALL THE MONUMENTS SHOWN THEREON ACTUALLY EXIST; AND THAT THEIR LOCATION, SIZE, TYPE AND MATERIAL ARE ACCURATELY SHOWN. ALL ELEMENTS OF THE PLAN ARE IN CONFORMITY WITH OWNSHIP CODE AND ANY APPLICABLE STATE REGULATIONS.

MATTHEW R. FISHER P.L.S., P.E.

1-COV 2

PRELIMINARY / FINAL LAND DEVELOPMENT PLAN FOR 2509 MILL ROAD TOWNHOMES

LOCATED IN

UPPER ALLEN TOWNSHIP, CUMBERLAND COUNTY, PA

ownhouse) dwellings. 0 linear feet. : 0 linear feet rock outcrops, soil subsidences, exist on the Upper Allen Township

ZONING REQUIREMENTS					
Medium Density Residential	Required	Proposed			
Minimum Street Frontage	20 feet (interior), 35 feet (exterior)	84.72 Feet			
Maximum Building Coverage	30%	12.9%			
Maximum Impervious Coverage	45%	42.7%			
Lot Size	2000 s.f	1.75 AC.			
Minimum Front Yard	25 Feet	25 Feet			
Minimum Side Yard	10 Feet (exterior side)	10 Feet			
Minimum Rear Yard	15 Feet	15 Feet			
Minimum Lot Width	20 feet (interior), 35 feet (exterior)	20 feet (interior) 35 feet (exterior)			
Maximum Building Height	35 Feet	<35 Feet			
Parking (2.25 space/unit)	30 Spaces	46* Spaces			
Handicap Parking	1 Space	1 Space			

REQUIRED AGENCY APPROVALS/ PERMITS	k		
APPROVAL	NUMBER	APPROVAL DATE	EXPIRATION DATE
PA DEP SEWAGE PLANNING MODULE EXEMPTION			
UPPER ALLEN TOWNSHIP SEWAGE PLANNING MODULE EXEMPTION CERTIFICATION			
UPPER ALLEN ZONING HEARING BOARD – SPECIAL EXCEPTION ZO 245–9.6 ("USE IN STEEP SLOPE PROTECTION OVERLAY")	ZHB # 22-05	12/8/2022	N/A
UPPER ALLEN TOWNSHIP LAND DEVELOPMENT PLAN APPROVAL			
CUMBERLAND COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL PLAN ADEQUACY DETERMINATION	PAC210284	12/16/2022**	12/7/2024
CUMBERLAND COUNTY CONSERVATION DISTRICT / DEP NPDES NOTICE OF INTENT ACKNOWLEDGEMENT	PAC210284	12/16/2022	12/7/2024

* APPLICANT SHALL COMPLY WITH THE STIPULATIONS AND ANY CONDITIONS OF ALL APPROVALS AND PERMITS AND COMPLY WITH ALL APPLICABLE TOWNSHIP, STATE, FEDERAL RULES, REGULATIONS, ORDINANCES, AND LAW. ** ESC / PSCM SHALL BE PURSUANT TO CCCD APPROVAL OF MAJOR AMENDMENT TO THE NPDES PERMIT.

TAX PARCEL NUMBER:

42-30-2110-028

RECORDING:

THIS PLAN RECORDED IN THE OFFICE OF THE RECORDER OF DEEDS IN AND FOR CUMBERLAND COUNTY THIS _____ DAY OF _____ 20__. PLAN BOOK _______, PAGE ______ INSTRUMENT NUMBER

I. BLAIR C. KITLINSKI. P.E. OF F.T. KITLINSKI & ASSOCIATES. INC. (CONSULTING GEOTECHNICAL ENGINEERS) HEREBY CERTIFY THAT THE SITE IS NOT UNDERLAIN BY LIMESTONE BEDROCK OR OTHER CARBONATE GEOLOGIC FORMATION

OWNER & APPLICANT MIHAIL MALINOV 2509 MILL RD. MECHANICSBURG, PA 17055 (717) 713-3892

BY UPPER ALLEN TOWNSHIP. I, MIHAIL MALINOV, HEREBY ACKNOWLEDGE THAT THE STORMWATER MANAGEMENT FACILITIES AND BMP'S ARE TO BE PERMANENT FIXTURES THAT CAN BE ALTERED OR REMOVED ONLY AFTER APPROVAL OF A REVISED PLAN





UTILITY CO. CONTACTS

COMPANY: VERIZON PENNSYLVANIA LLC ADDRESS: 1026 HAY S PITTSBURGH, PA. 15221 CONTACT: DEBORAH BARUM deborah.d.delia@verizon.com

COMPANY: VEOLIA WATER PENNSYLVANIA INC ADDRESS: 6310 ALLENTOWN BOULEVARD HARRISBURG, PA. 17112 CONTACT: CHRISTOPHER BRIDE CHRISTOPHER.BRIDE@VEOLIA.CO

COMPANY: FIRSTENERGY CORPORATION ADDRESS: 21 S MAIN ST AKRON, OH. 44308 CONTACT: MELLYSSA ADAMS madams@firstenergvcorp.com

COMPANY: MESSIAH UNIVERSITY ADDRESS: 1 UNIVERSITY AVE SUITE MECHANICSBURG, PA, 17055 CONTACT: RUSS EHRICH REHRICH@MESSIAH.EDU

COMPANY: PPL ELECTRIC UTILITIES CORPORATION ADDRESS: 437 BLUE CHURCH RD PAXINOS, PA. 17860 CONTACT: DOUG HAUPT dlhaupt@pplweb.com

COMPANY: COMCAST ADDRESS: 4601 SMITH STREET HARRISBURG, PA, 17109 CONTACT: MICHAEL SWEIGARD

mike_sweigard@cable.comcast.com

COMPANY: UPPER ALLEN TOWNSHIP PUBLIC WORKS DEPT ADDRESS: 100 GETTYSBURG PIKE MECHANICSBURG, PA. 17055 CONTACT: COLLIN BARGE CBARGE@UATWP.ORG

PENNSYLVANIA ACT 38 (1991) AS AMENDED REQUIRES NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH. SERIAL NO. 20233280299 IN

UPPER ALLEN TOWNSHIP 11/24/2023

COMPANY: UPPER ALLEN TOWNSHIP ADDRESS: 100 GETTYSBURG PIKE MECHANICSBURG, PA. 17055 CONTACT: KODI HOCKENBERRY khockenberry@uatwp.org

COMPANY: UGI UTILITIES INC ADDRESS: 1301 AIP DR MIDDLETOWN, PA, 17057 CONTACT: STEPHEN BATEMAN sbateman@ugi.com

GENERAL NOTES:

The purpose of this plan is to create a Preliminary / Final Land Development Plan depict the improvements required for 13 rental Townhouse-style Attached Dwellings.

All existing buildings within the site will be removed prior to development. The site survey is on State Plane Coordinates (NAD 83 PA SOUTH ZONE GRID). Elevations are on NAVD 88 Datum referenced from Benchmark (Iron Pin Found at southern front property corner at 529.29. The existing ground topography shown on this plan is a combination of a field survey conducted from 7/22/2021 to 11/30/2021 by R. J. Fisher & Associates, Inc.

4. Proposed gravity sanitary sever system, low pressure force main sever and duplex grinder pump station shall be privately owned and maintained. The system, pump station, and all infrastructure shall not be dedicated to the township. Within clear sight triangles shown, no structure or growing material shall exceed a height of 3 feet above the grade of the street, and no branch of a tree, or obstruction, shall be lower than 9

feet above the grade of the street, with the exception of traffic signs, public utility poles, and similar-type structures All new utilities shall be placed underground. All stormwater drainage facilities located outside of dedicated and accepted public street rights-of-way shall be private, and shall be maintained by the developer. The developer shall maintain

the drainage facilities to the design, dimensions and elevations indicated on these drawings, and such facilities shall be permanent unless and until a revised stormwater management plan is approved by Upper Allen Township, and/or PA D.E.P. All improvements within the property boundary will be privately owned and not dedicated to the Township. The private on-site improvements will be operated and maintained by the owner

and owner's property management company representatives. The proposed water system shown hereon is schematic only, and shall be superseded by the water company design when Final Plans are approved

0. A minimum of 10-foot separation, or an 18" vertical separation, shall be maintained wherever possible between water lines and sanitary sewer lines. 11. Approval by the Cumberland County Conservation District of a soil erosion and sedimentation control plan must be obtained prior to any earthmoving. Implementation of the erosion control

plan is the responsibility of the lot owner. According to FEMA maps, there is no designated floodplain on this site.

13. Concrete monuments will be set where indicated. All other property corners not already marked shall be marked with iron pins. Monuments and markers shall be of the proper size and material as outlined in section 220-5.11 of the Subdivision & Land Development Ordinance of Upper Allen Township. 14. All public improvements shall comply with the applicable municipality's construction specifications, for the municipality in which the work is located.

15. All work shall be in accordance with PennDOT Publication 408, Specifications and Publication 72, Roadway Construction Standards, unless otherwise noted. 16. Signs shall be installed per PennDOT standards and specifications.

Manhole covers for storm manholes shall be cast with the word "Storm Sewer" for identification purpose. 18. Construction of all work within the public street right-of-way and work related to storm drainage facilities requires inspection by the Township.

19. Contractor shall provide a minimum 48 hours notice to the township before starting work and schedule a pre-construction site meeting with the Upper Allen Township Engineer at least 48 hours prior to starting site construction activities.

20. Nothing shall be placed, planted, set or put within the area of an easement or planting strip that would adversely affect the function of the easement or planting strip or conflict with an easement agreement. No structures shall be placed in any easement or planting strip unless otherwise noted in an agreement. 21. Paper and digital Record Drawings shall be provided to Upper Allen Township.

Il sanitary sewer construction in public street rights-of- way shall be subject to backfill cor

23. Location of underground utilities is shown approximately hereon. Contractor shall contact PA One Call prior to any excavation or construction and filed verify utility locations and follow utility company requirements for protection, relocation, or removal. 24. As-built Mylar plans (or approved alternative) and electronic data files shall be provided to the Township. All drawings must be signed and sealed by a professional engineer or land surveyor attesting to the correctness of the facility information shown, in accordance with Section 220- 4.2.C(3) of the Codified Ordinances of Upper Allen Township.

25. The average slope of entire lot is < 15% 26. Agricultural Nuisance Disclaimer - Lands, such as this site, that are within the Residential Districts are located within an area where land is used for commercial agricultural production. Owners, residents and other users of this property may be subjected to inconvenience, discomfort and the possibility of injury to property and health arising from normal and accepted agricultural practices and operations, including, but not limited to, noise, odors, dust, the operation of machinery of any kind, including aircraft, the storage and disposal of manure, the application of fertilizers and soil amendments. Owners, occupants and users of this property should be prepared to accept such inconveniences, discomfort and possibility of injury from normal agricultural operations and are hereby put on official notice that Section 4 of the Pennsylvania Act 133 of 1982, as amended, otherwise known as the "Right to Farm Law,"[1] may bar them from obtaining legal judgment against such normal agricultural operations used in a prudent manner.

27. A Wetland Investigation by Vortex Environmental, Inc. on December 20, 2021 revealed no wetlands at this site. 28. A Recreation Fee in-lieu-of land dedication will be provided.

29. Stormwater flow discharging at the southeast corner of site onto adjacent property, currently a farm field owned by Messiah College, will not be increased, relocated, or otherwise altered without approval of the affected owner. Stormwater flow will be collected, controlled, and discharged over a rock apron stilling discharge at same location as existing condition. 30. Future water line abandonment and easement extiguishment shall be pursuant to agreement with water co. (Veolia Water Co.)

31. Parking restrictions shall be stipulated in the Lease Agreement, identified by signage, and enforced by the property manager. 32. All sanitary sewer construction methods and materials shall conform to the latest edition of the Standard Construction and Material Specifications for Sanitary Sewer Systems, Upper

Allen Township, Cumberland County, Pennsylvania. 33. Encroachment of any proposed improvements on existing utility easements shall be pursuant to the approval and agreement of the utility owner.

PLAN APPROVAL BLOCKS

DIRECTOR OF PLANNING

ATTEST:_

SECRETARY

SECRETARY

CHAIRMAN

CHAIRMAN

REVIEWED THIS _____ DAY OF _____ 20___ BY CUMBERLAND COUNTY PLANNING DEPARTMENT.

DATE APPROVED BY THE PLANNING COMMISSION OF UPPER ALLEN TOWNSHIP, THIS _____ DAY OF _____ DATE DAT APPROVED BY THE BOARD OF COMMISSIONERS OF UPPER ALLEN TOWNSHIP, THIS _____ DAY OF _____, 20____. THE CONDITIONS OF APPROVAL WERE SATISFIED THIS DAY OF 20

DATE

OWNER CERTIFICATION

__, the undersigned, owner of the real estate shown and described herein, do hereby certify that we have laid off and platted and hereby lay off and plan, said real estate in accordance with the within plan.

The land development shall be known and designated as 2509 Mill Rd. All streets and alleys shown and not heretofore dedicated are hereby dedicated to the public. Building setback lines are hereby established as shown on this plan, between which lines and the property lines of the street there shall be erected or maintained no building or structure. There are strips of ground 10-30 feet in width as shown on this plan and marked: "Easement, reserved for the use of public utilities for the installation of water and sewer mains, poles, ducts, lines and wires, subject at all times to the proper authorities and to the easement herein reserved." No buildings or other structures are to be erected or maintained upon said strips of land, but owner of lot in this land development shall take their titles subject to the rights of the utilities.

The foregoing covenants (or restrictions), as recorded at the Cumberland County Courthouse, are to run with the land and shall be binding on all parties and all persons claiming under them until January 1, 2048, at which time said covenants (or restrictions) shall be automatically extended for successive periods of 10 years and shall remain in full force and effect unless changed at the end of such period of 10 years by vote of a majority of the then owners of the building site covered by these covenants (or restrictions). The right to enforce these provisions by injunction, together with the right to cause the removal, by due process of law, of any structure or part thereof erected or maintained in violation hereof, is hereby dedicated to the public and reserved to the owner of this land development and to their heirs and assigns.

Witness our Hands and Seals this _____ day of _____

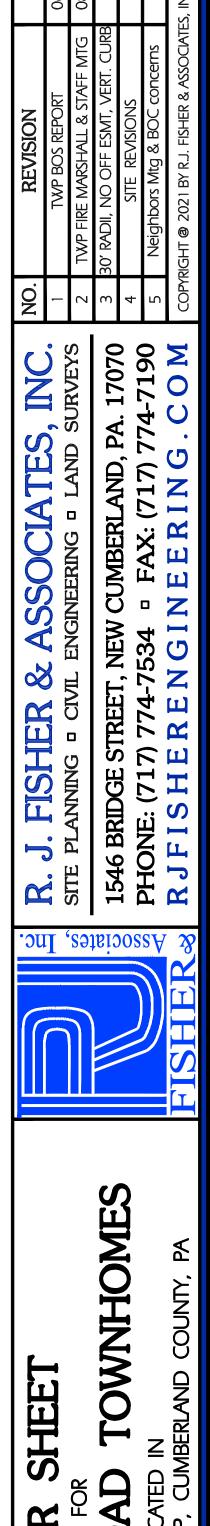
Commonwealth of Pennsylvania: County of Cumberland:

On this, the _____ day of _____, 20 ____ before me, _____ _____, known to me (or satisfactorily undersigned officer, personally came _____ proven) to be the person whose name is subscribed to the within instrument, and acknowledged that ____ executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I have hereunto set my hand and Official Seal.

Notary Public My Commission expires:

OWNER : x _____



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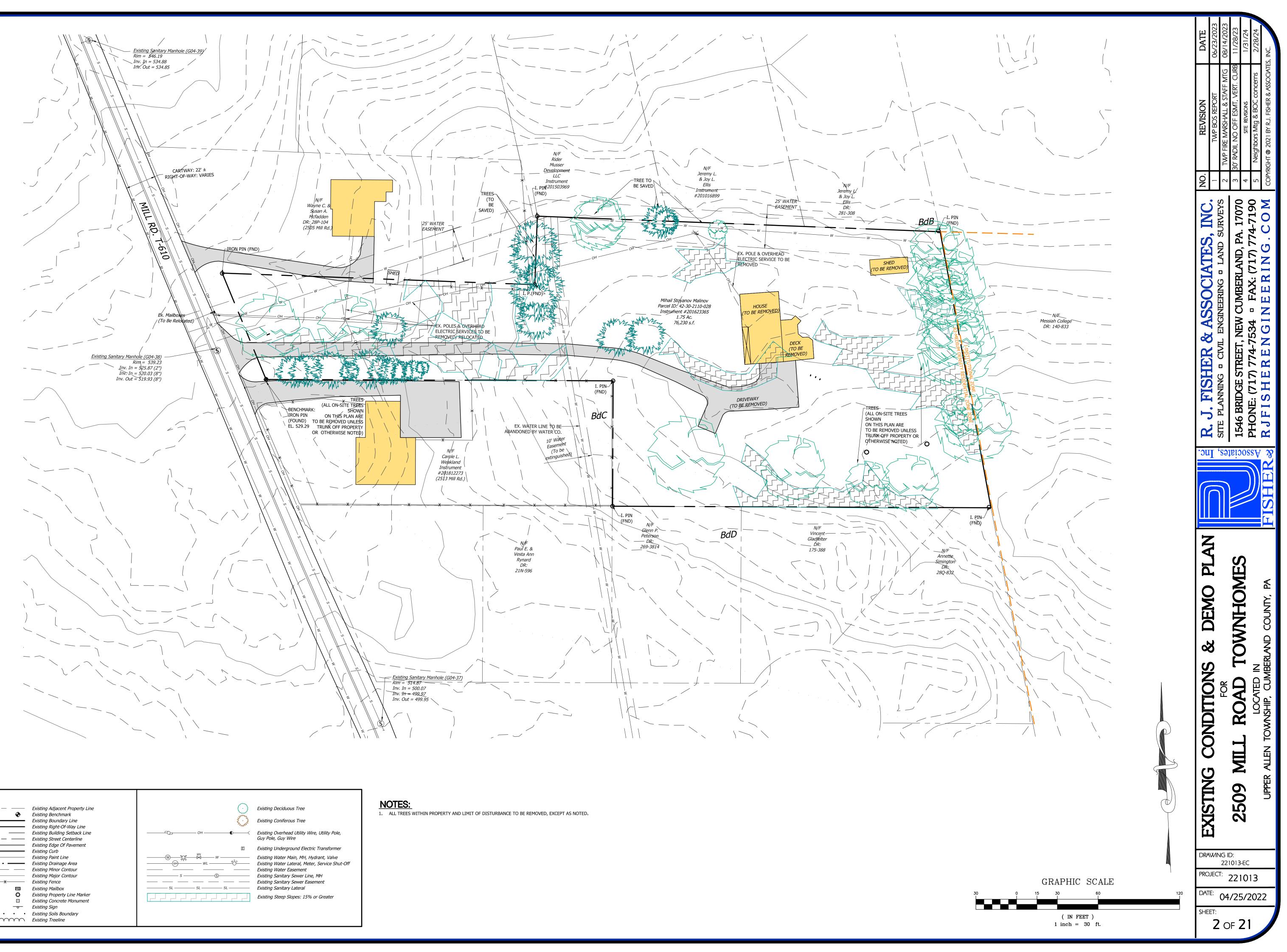
PROJECT: 221013

DATE: 04/25/2022

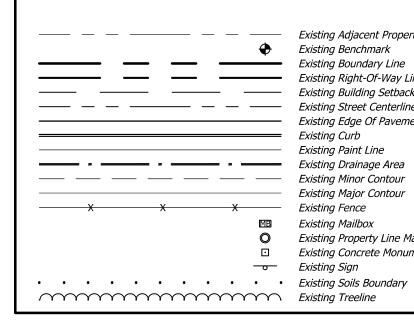
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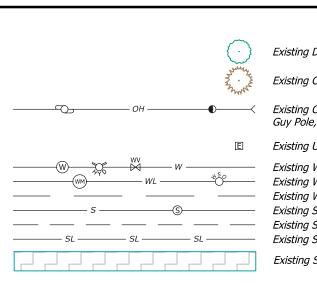
SHEET:



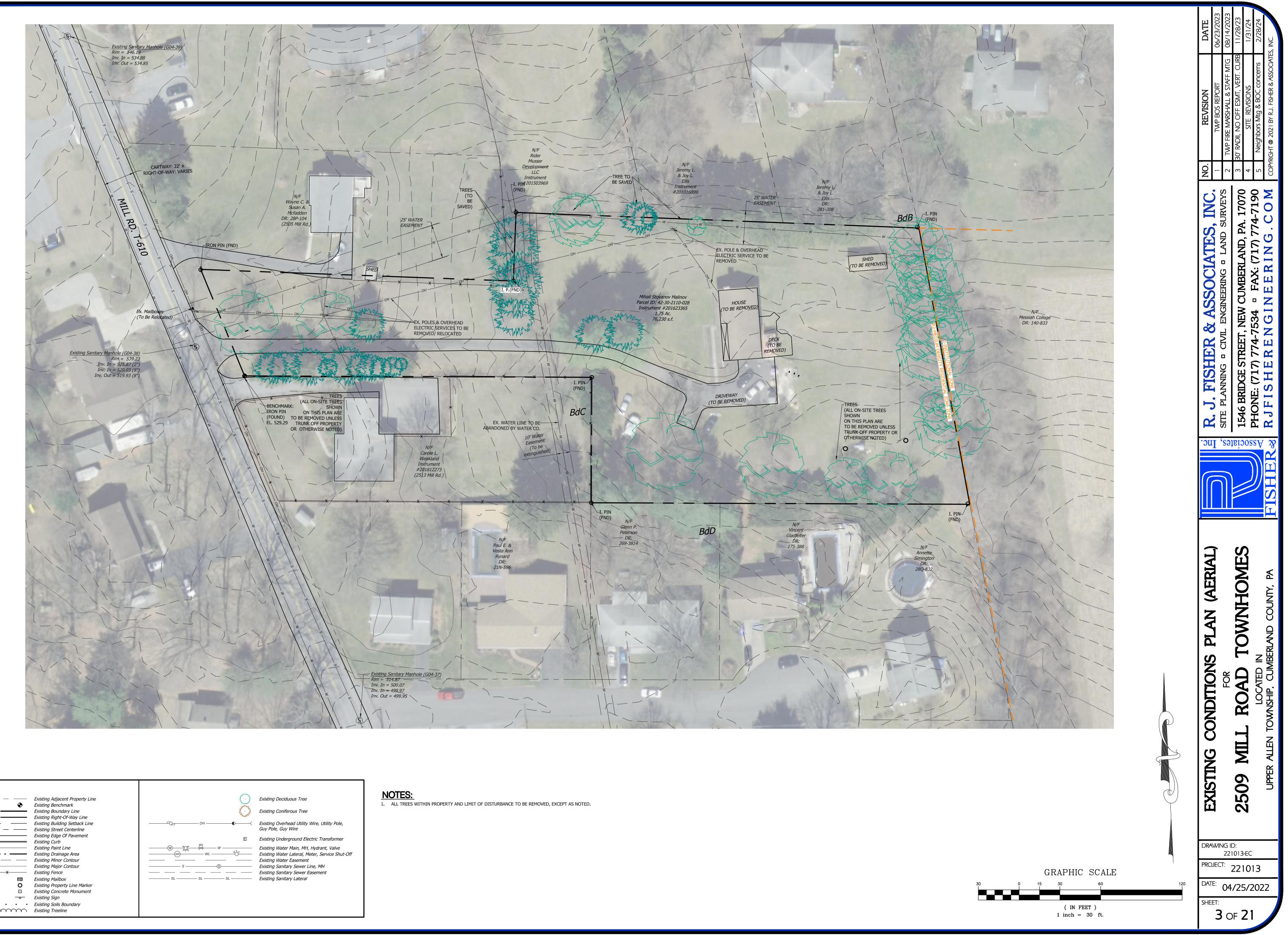




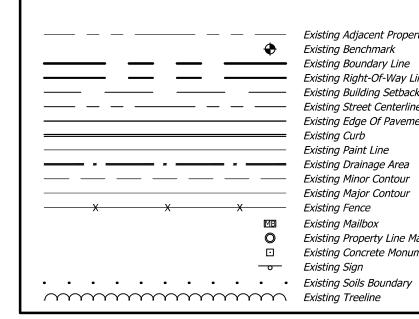




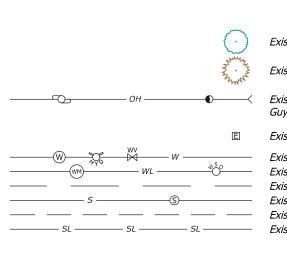
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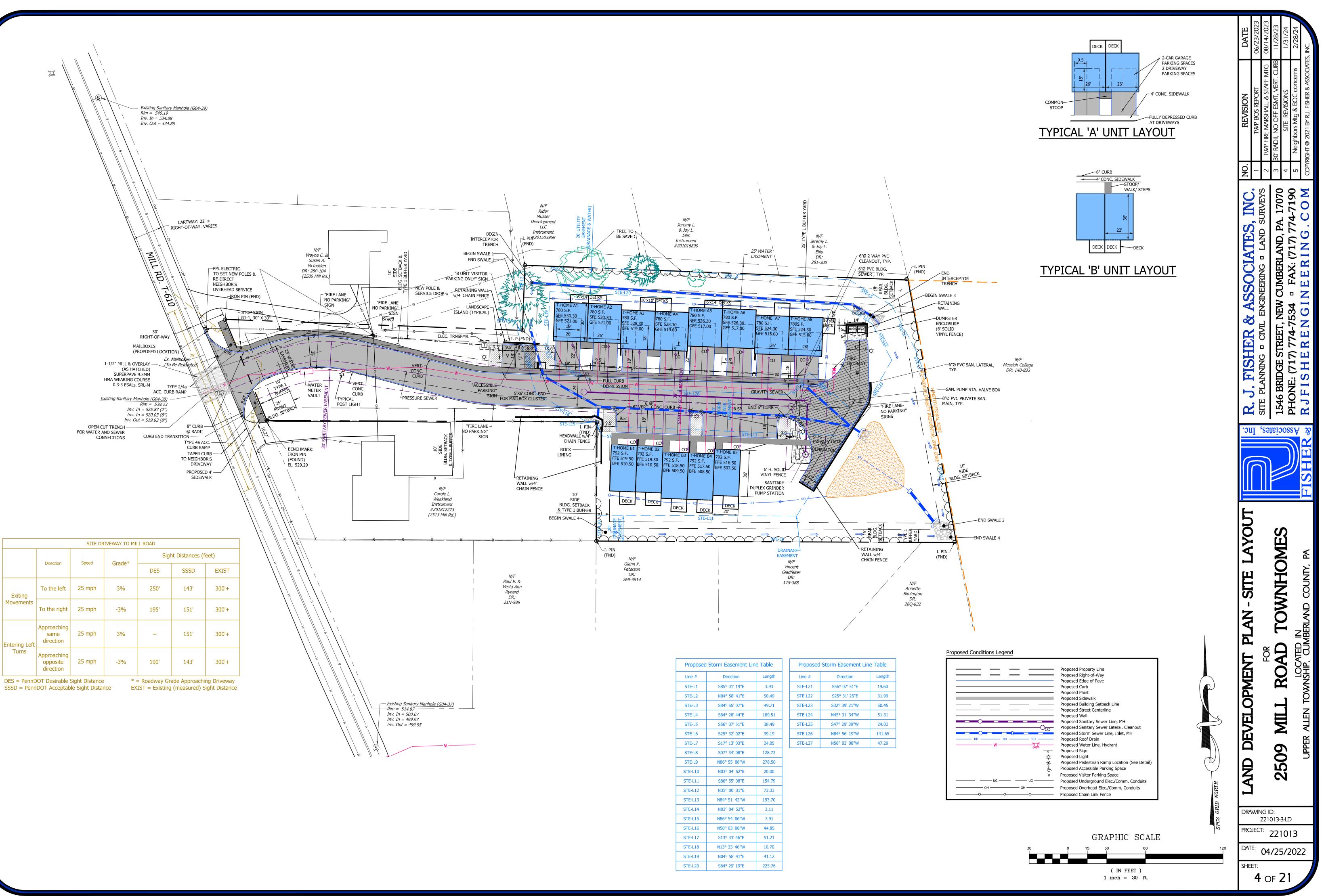


Existing Conditions Legend





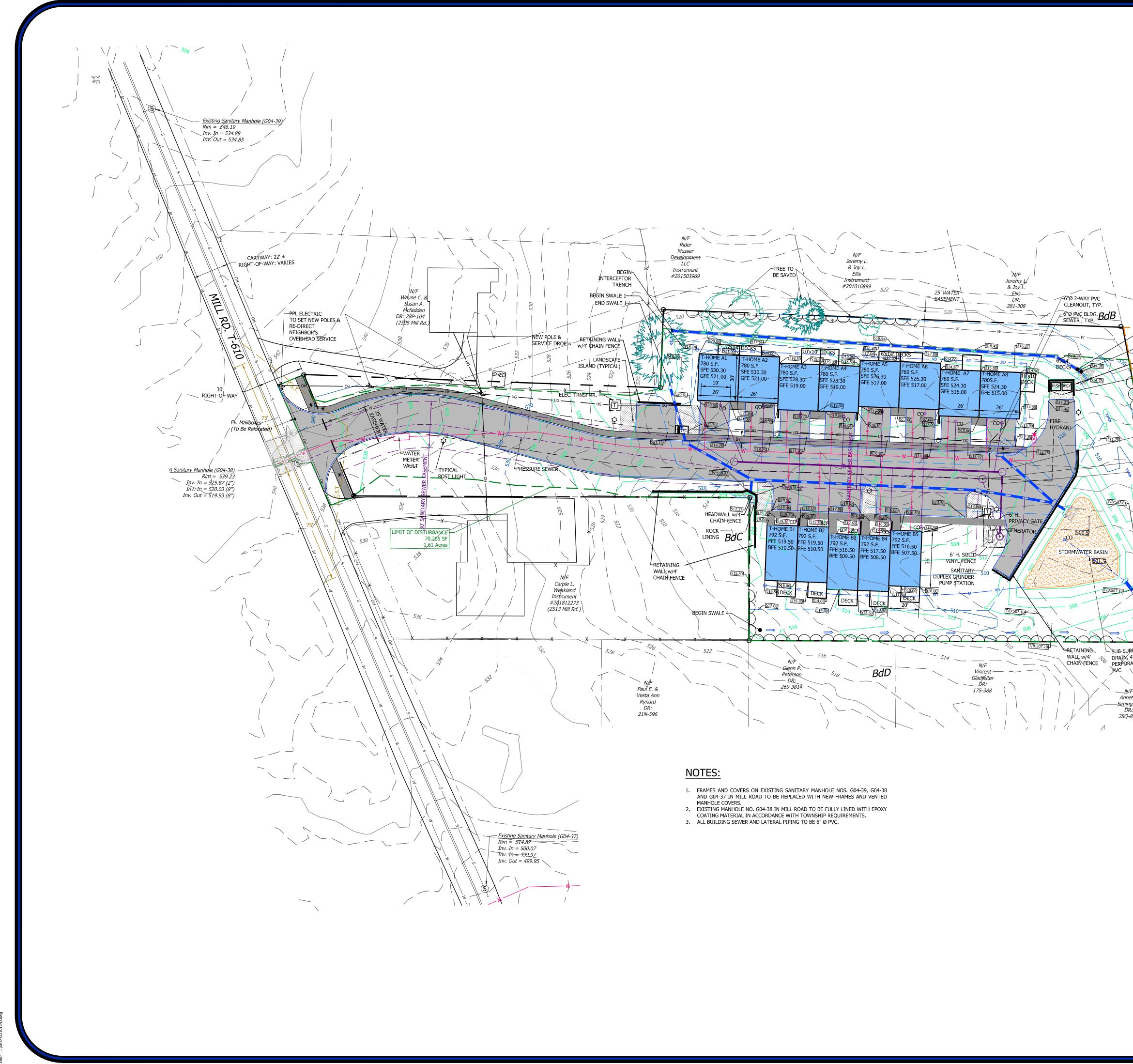




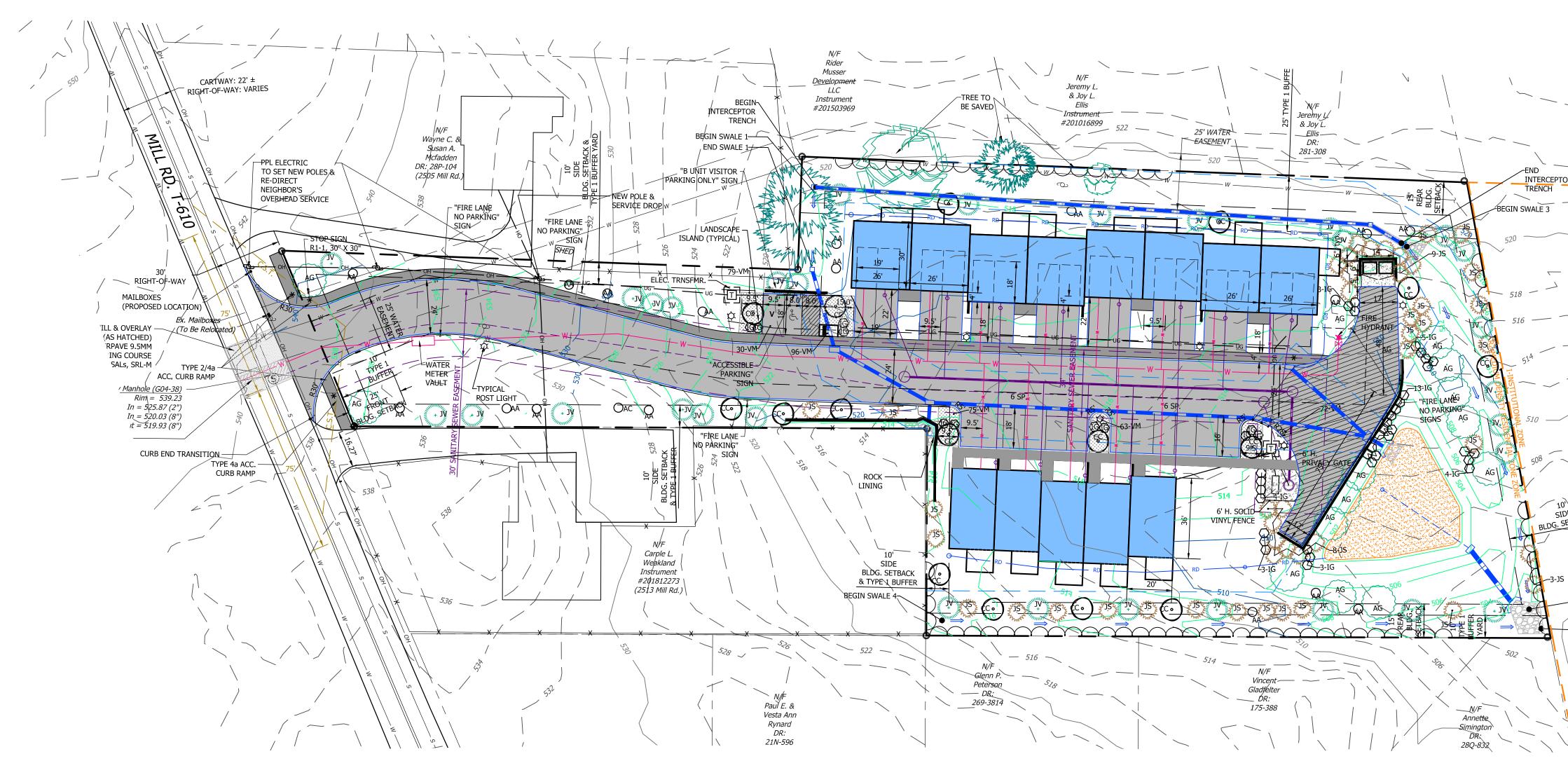
SITE DRIVEWAY TO MILL ROAD							
	Direction	Spood	Crada*	Sigł	nt Distances (f	eet)	
	Direction	Direction Speed Grade* DES		DES	SSSD	EXIST	
Exiting	To the left	25 mph	3%	250'	143'	300'+	
Movements	To the right	25 mph	-3%	195'	151'	300'+	
Entering Left	Approaching same direction	25 mph	3%		151'	300'+	
Turns	Approaching opposite direction	25 mph	-3%	190'	143'	300'+	

Proposed Storm Easement Line Table						
Line #	Direction	Length				
STE-L1	S85° 01' 19"E	3.93				
STE-L2	N04° 58' 41"E	50.49				
STE-L3	S84° 55' 07"E	49.71				
STE-L4	S84° 28' 44"E	189.51				
STE-L5	S56° 07' 51"E	38.49				
STE-L6	S25° 32' 02"E	39.19				
STE-L7	S17° 13' 03"E	24.05				
STE-L8	S07° 34' 08"E	128.72				
STE-L9	N86° 55' 08"W	278.50				
STE-L10	N03° 04' 52"E	20.00				
STE-L11	S86° 55' 08"E	154.79				
STE-L12	N35° 00' 31"E	73.33				
STE-L13	N84° 51' 42"W	193.70				
STE-L14	N03° 04' 52"E	3.11				
STE-L15	N86° 54' 06"W	7.91				
STE-L16	N58° 03' 08"W	44.85				
STE-L17	S13° 33' 46"E	51.21				
STE-L18	N13° 33' 46"W	10.70				
STE-L19	N04° 58' 41"E	41.12				
STE-L20	S84° 29' 19"E	225.76				

Line #	Direction	Length
STE-L21	S56° 07' 51"E	19.60
STE-L22	S25° 31' 25"E	31.99
STE-L23	S32° 39' 21"W	50.45
STE-L24	N45° 31' 34"W	51.31
STE-L25	S47° 29' 39"W	24.02
STE-L26	N84° 56' 19"W	141.65
STE-L27	N58° 03' 08"W	47.29



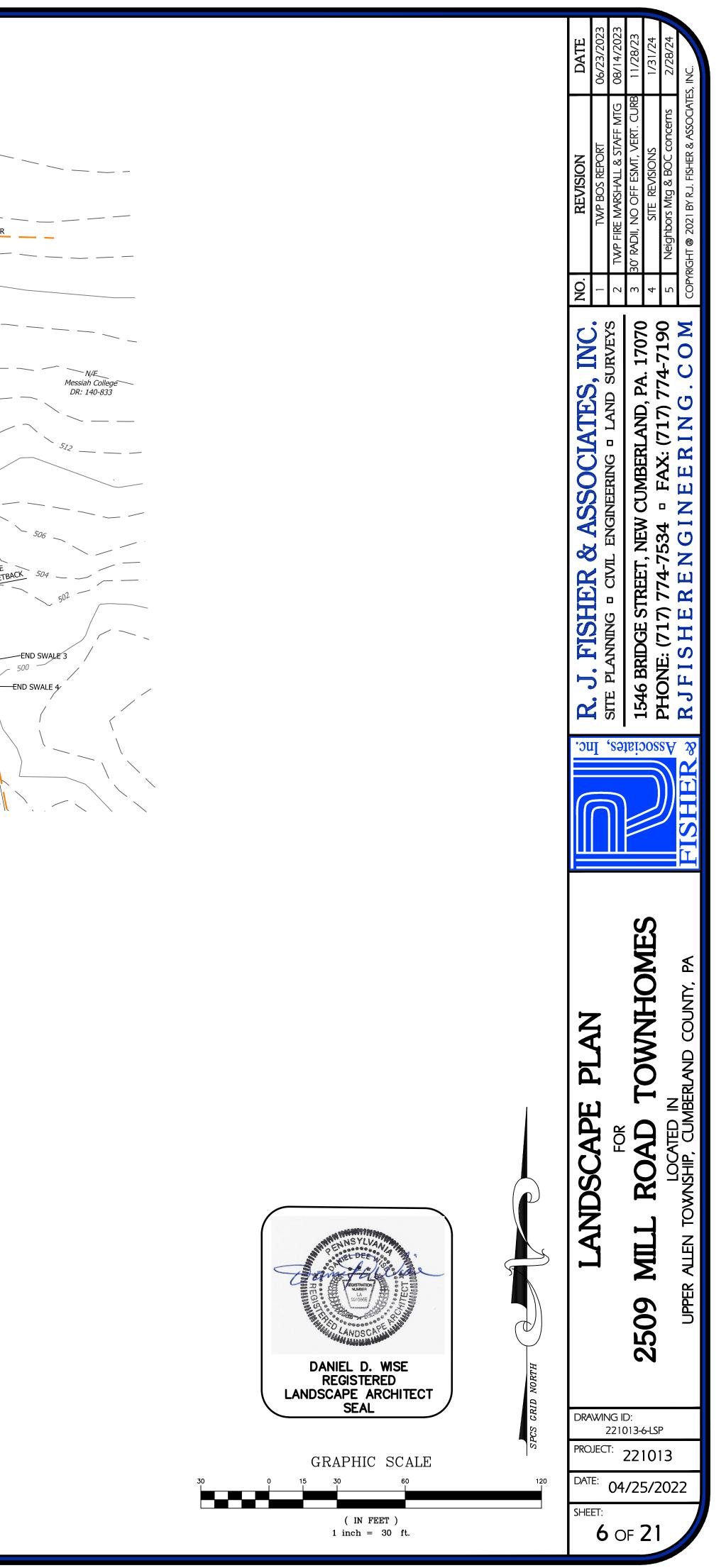
EV0 Immediate Immediate Immediate Immediate <td< th=""><th></th><th>Image: Single information informati</th></td<>		Image: Single information informati
Proposed Right-Or-Way Proposed Starting Wal Proposed Minor Contour Proposed Minor Contour Propos		CRADING & DRAINAGE PLAN FOR 2509 MILL ROAD TOWNHOMES I LOCATED IN LOCATED IN LOPER ALLEN TOWNHOL COUNT, PA
GRAPHIC SCALE 30 0 15 30 60 (IN FEET) 1 inch = 30 ft.	120	DRAWING ID: 221013-5-GD PROJECT: 221013 DATE: 04/25/2022 SHEET: 5 OF 21

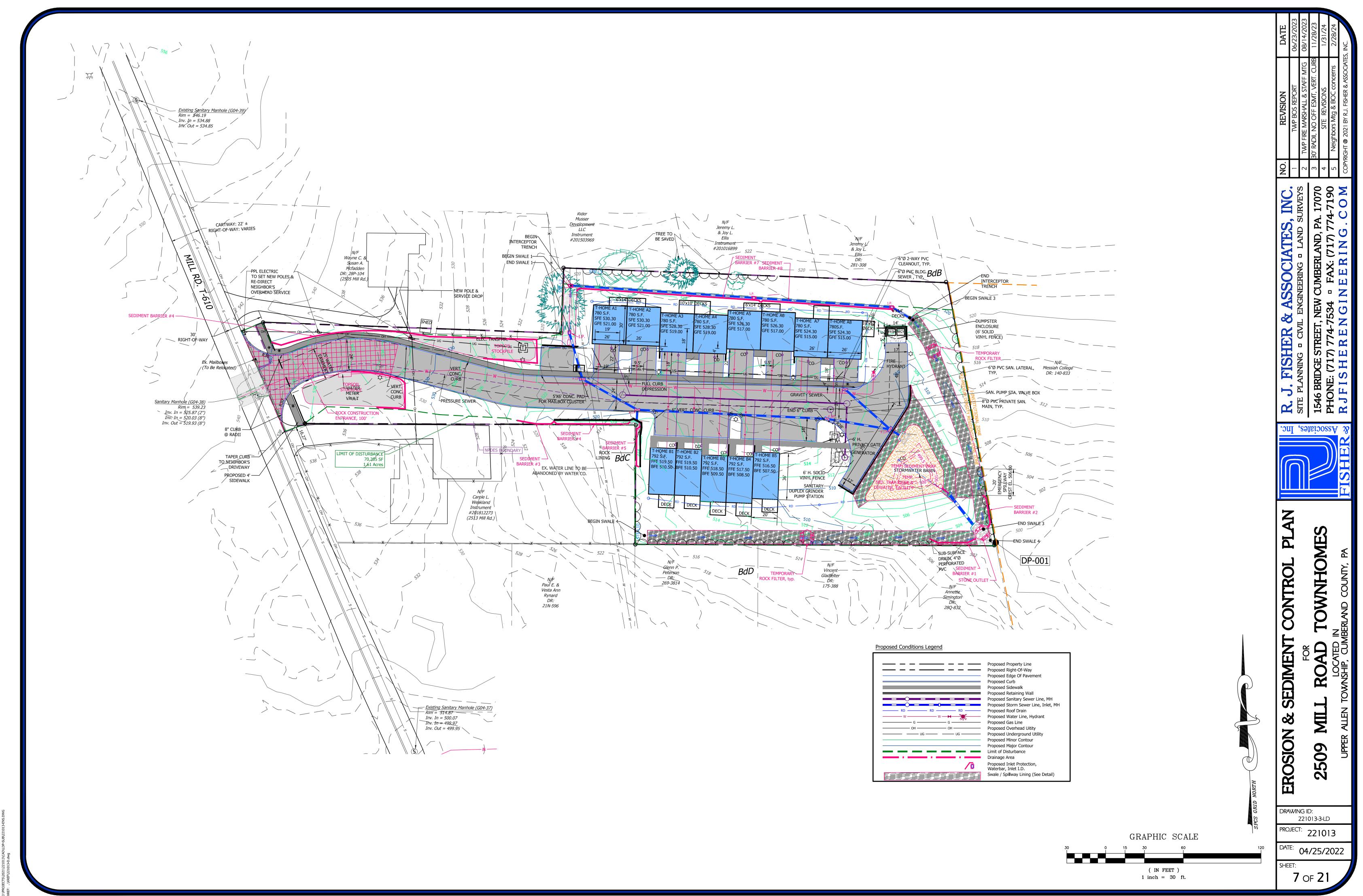


				PLANTING SCHEDUL	E		
			. TYPE 1 BUFFER REQUIRES 1 . ER (at SFD or SD Residential)=				
		220-5	• •	TREES REQ'D.,40/5=8 EVER			
SYMBOL	ID	QUANTITY	BOTANICAL NAME	COMMON NAME	PLANTING SIZE/ CONDITIONS	MATURE SIZE / GENERAL TYPE	NATIVE (N)
0	AA	18	AMELANCHIER ALNIFOLIA 'STANDING OVATION'	STANDING OVATION SERVICEBERRY	2 to 2-1/2 " CAL. B&B, 6' H. MIN. , 40' O.C MAX	4'W. X 15'H. DECIDUOUS TREE	N
\bigcirc	СС	11 (1+10)	CERCIS CANADENSIS 'SUMMERS TOWER"	SUMMERS TOWER REDBUD	2 to 2-1/2 " CAL. B&B, 6' H. MIN.	10'W. X 20'H. DECIDUOUS TREE	N
100000 + 100000000000000000000000000000	VĽ	31	JUNIPERUS VIRGINIANA 'BRODIE''	BRODIE EASTERN REDCEDAR	5'H. MIN., B&B	10'W. X 35'H. EVERGREEN TREE	N
www.	JS	12 (10+2)	JUNIPERUS SCOPULORUM 'MOONGLOW'	MOONGLOW JUNIPER	5' H. MIN. , #10 CONTAINER	8' W. X 20' H. EVERGREEN TREE	
			220-5.13.D.7 STREET TREES REC	QUIRED 2 PER 100 LF OF RIGHT-OF-WA	Y, 84'/100 = 2 REQUIRED, 2 PROPOSED		
$\left\{ \cdot \right\}$	AG	2	AMELANCHIER X GRANDIFLORIA	AUTUMN BRILLIANCE APPLE SERVICEBERRY	2" CALIPER (CAL.), 6' H. MIN. BALLED & BURLAPPED (B&B) ROOT	20' W. X 20' H. ORNAMENTAL SMALL ST. TREE	N
205-5.13.g.5		•	ED FOR STORMWATER FACILITY, 1 SHADE 2 SHADE TREES REQUIRED, 12 PROPOSED				RIMETER =
$\langle \cdot \rangle$	AG	12	AMELANCHIER X GRANDIFLORIA	AUTUMN BRILLIANCE APPLE SERVICEBERRY	2" CALIPER (CAL.), 6' H. MIN. BALLED & BURLAPPED (B&B) ROOT	20' W. X 20' H. ORNAMENTAL SMALL ST. TREE	N
Marine Marine	JS	34	JUNIPERUS SCOPULORUM 'MOONGLOW'	MOONGLOW JUNIPER	5' H. MIN. , #10 CONTAINER	8' W. X 20' H. EVERGREEN TREE	
\bigcirc	IG	36	ILEX GLABRA 'INKBERRY	COMPACT INKBERRY HOLLY	15" SPREAD. MIN. , #3 CONTAINER	4' W. X 4' H. EVERGREEN SHRUB	N
				HADE TREE FOR EACH LANDSCAPE ISLA ANDSCAPING - COMBO . OF 3 ELEMENT			
\bigcirc^{c}	СС	5	CERCIS CANADENSIS 'SUMMERS TOWER"	SUMMERS TOWER REDBUD	2 to 2-1/2 " CAL. B&B, 6' MIN. HEIGHT	10'W. X 20'H. DECIDUOUS TREE	N
\bigcirc	IG	10	ILEX GLABRA 'INKBERRY	COMPACT INKBERRY HOLLY	15" SPREAD MIN. , #3 CONTAINER	4' W. X 4' H. EVERGREEN SHRUB	N
		1			2.5" PLUGS, 18" O.C. STAGGERED, IN 3"		

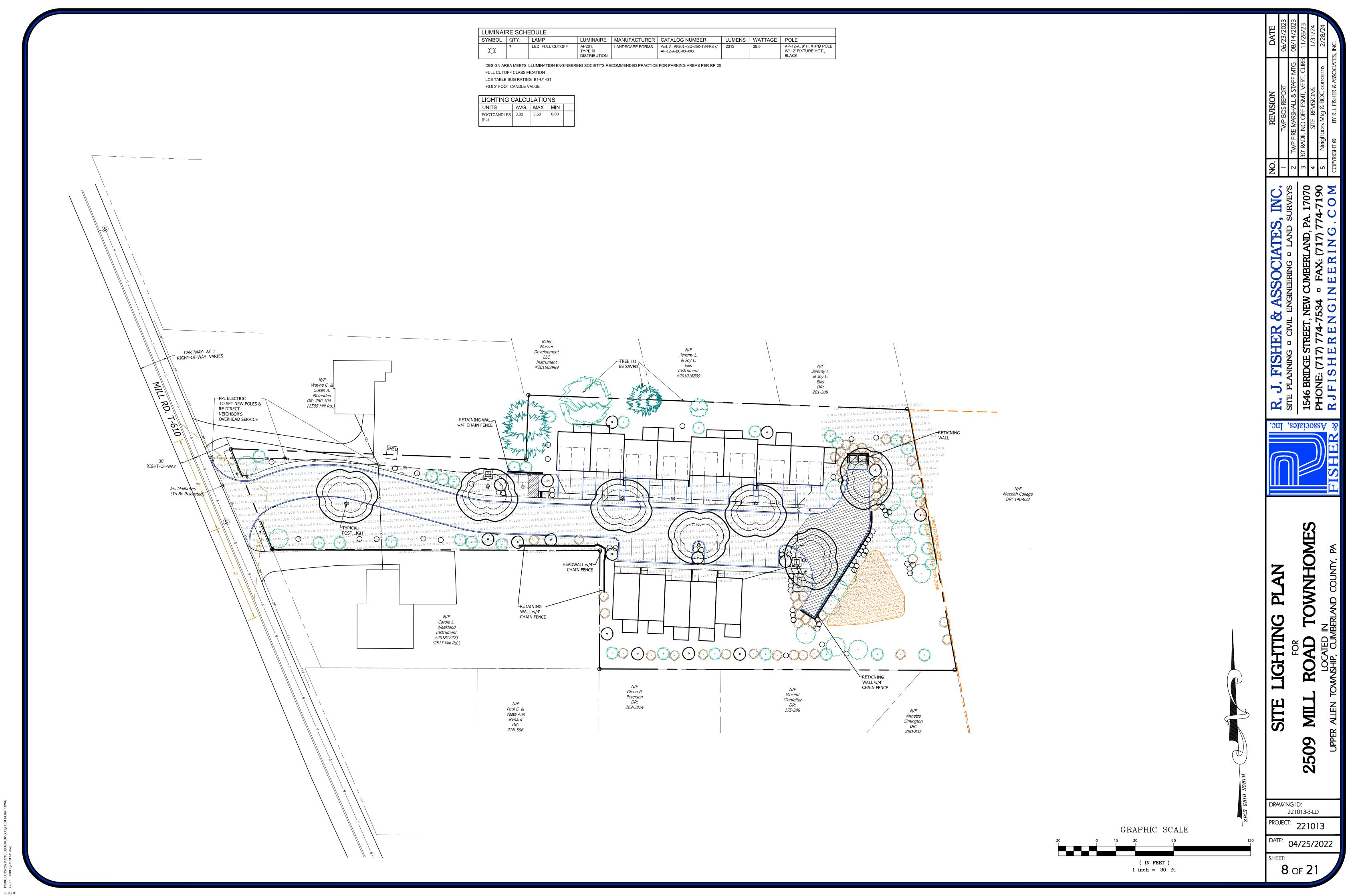
GENERAL LANDSCAPE NOTES:

- 1. ALL LANDSCAPE MATERIALS SHALL BE PLACED AND PLANTED IN ACCORDANCE WITH THIS PLAN AND ALL APPLICABLE STANDARDS AND REQUIREMENTS OF THE UPPER ALLEN TOWNSHIP ZONING AND SUBDIVISION/ LAND DEVELOPMENT ORDINANCES.
- 2. THE OWNER WILL BE RESPONSIBLE FOR THE PROPER MAINTENANCE OF ALL PLANT MATERIALS. ALL PLANTINGS WILL BE INSTALLED, MAINTAINED AND REPLACED BY THE OWNER, IF DEAD OR DISEASED, IN LOCATIONS AS SHOWN ON THIS APPROVED LANDSCAPE PLAN.
- 3. ALL PLANT MATERIALS SHALL BE PLANTED IN ACCORDANCE WITH GOOD NURSERY AND LANDSCAPING PRACTICES WITH ADEQUATE UNPAVED SURFACE AROUND EACH FOR WATER AND AIR AND SHALL BE PROPERLY PROTECTED BY CURBS, CURB STOPS, DISTANCE OR OTHER PROTECTIVE DEVICES TO PREVENT DAMAGE FROM VEHICLES. ANY AND ALL OTHER APPLICABLE STANDARDS ESTABLISHED BY THE TOWNSHIP SHALL ALSO APPLY. INDIVIDUAL PLANTS SHOULD BE MULCHED IN A CIRCLE OF MINIMUM DIAMETER OF 3 FT.. GROUPS OF SHURBS SHOULD BE IN A CONTINUOUS ORGANICALLY-SHAPED MULCH BED.
- 4. ALL PLANT MATERIALS SHALL BE NURSERY GROWN IN A CLIMATE SIMILAR TO THAT OF THE LOCALITY OF THE SUBJECT TRACT.
- 5. ALL PLANT MATERIALS SHALL HAVE A NORMAL, SYMMETRICAL GROWTH HABIT AND SHALL BE SOUND, HEALTHY AND VIGOROUS AND SHALL BE FREE FROM DISEASE, INSECTS, INSECT EGGS AND LARVAE.
- 6. REQUIREMENTS FOR THE MEASUREMENT, BRANCHING, GRADING, QUALITY, BALLING AND BURLAPPING OF PLANT MATERIALS SHALL FOLLOW THE CODE OF STANDARDS RECOMMENDED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION IN THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z.60, CURRENT EDITION. PLANTS SHALL BE SO TRAINED IN DEVELOPMENT AND APPEARANCE TO BE PROPER IN FORM, COMPACTNESS AND SYMMETRY. THEY SHALL BE SOUND, HEALTHY, VIGOROUS, WELL BRANCHED, DENSELY FOLIATED WHEN IN LEAF AND FREE OF DISEASE AND INSECTS OF ANY KIND.
- 7. LAYOUT OF PLANTS PRIOR TO PLANTING SHALL BE VERIFIED BY THE OWNER/DEVELOPER AND/OR THEIR REPRESENTATIVE.
- 8. PRIOR TO PLANTING, TREES SHALL BE INSPECTED BY THE OWNER/DEVELOPER AND/OR THEIR REPRESENTATIVE FOR INJURY TO TRUNKS, EVIDENCE OF INSECT INFESTATION, OR IMPROPER PRUNING.
- 9. ALL ROPES, STAVES, TAGS OR OTHER BINDINGS SHALL BE CUT OFF THE TOPS AND SIDES OF THE BALLS AND REMOVED FROM PITS. ALL ROT-PROOF, ROT-RESISTANT, PLASTIC BURLAP AND TOP HALF OF WIRE BASKET (MINIMUM) BALL COVERINGS SHALL BE REMOVED BEFORE PLANTING.
- 10. DIAMETER OF PITS FOR TREES AND B+B SHRUBS SHALL BE AT LEAST 2 FEET GREATER THAN THE DIAMETER OF THE BALL OR SPREAD OF ROOTS. DIAMETER OF PITS FOR BARE-ROOTED TREES AND SHRUBS SHALL BE AT LEAST 1 FOOT GREATER THAN THE SPREAD OF ROOTS. NEVER CUT LEADER, PRUNE TOP OF BARE-ROOTED SHRUBS AND LATERAL BRANCHES OF TREE TO BALANCE LOSS OF ROOTS RESULTING FROM DIGGING. REFER TO DETAIL SHEET FOR PLANTING DETAILS.
- 11. PLANT SUBSTITUTIONS MAY BE PERMITTED IF APPROVED BY THE OWNER/DEVELOPER AND LEMOYNE BORUGH. ANY APPROVED SUBSTITUTION SHALL BE MADE IN LIKE KIND, SUITABLE FOR MICRO-CLIMATE AND SOIL CONDITIONS OF PLANTING SITE AND BE EQUIVALENT IN MATURE HEIGHT & WIDTH, GENERAL TYPE, HARDINESS.
- 12. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR IDENTIFYING AND AVOIDING DISRUPTION OR DAMAGE OF ANY AND ALL UNDERGROUND UTILITY LOCATIONS, PRIOR TO DIGGING, PERFORMING A PA ONE CALL, AND PERFORMING EXPLORATORY TESTNG AS MAY OTHERWISE BE REQUIRED. ANY AND ALL DAMAGE TO UNDERGROUND UTILITIES, WHETHER KNOWN OR UNKNOWN, IS AND WILL BE THE SOLE RESPONSIBILITY AND LIABILITY OF THE CONTRACTOR.
- 13. THE CONTRACTOR SHALL SPRAY PAINT OR OTHERWISE MARK ALL PROPOSED PLANTING BED LINES FOR OWNER APPROVAL PRIOR TO CUTTING IN PROPOSED BEDS.
- 14. IF ANY DISCREPANCIES BETWEEN QUANTITIES IN PLANTING SCHEDULES AND THOSE SHOWN ON THE PLAN. THE PLAN SHALL GOVERN.
- 15. ALL TREES SHALL BE GUYED OR STAKED FOR ONE YEAR FOLLOWING PLANTING. ALL GUYS OR STAKES SHOULD BE REMOVED ONE YEAR FROM INSTALLATION.
- 16. TREE CANOPIES WILL BE MAINTAINED TO BE CLEAR OF BRANCHES AND LEAVES FROM GROUND TO 8 FT HEIGHT ABOVE CLEAR SIGHT TRIANGLE , SIDEWALKS, STREETS, PARKING AREAS AND OTHER AREAS OF PEDESTRIAN / VEHICLE CIRCULATION AREAS.
- 17. PLANT BACKFILL MIX SHALL BE 75% TOPSOIL AND 25% PEAT (TOPSOIL & PEAT CONFORMING TO PENNDOT PUB. 408, SECTION 802 SPECIFICATIONS).





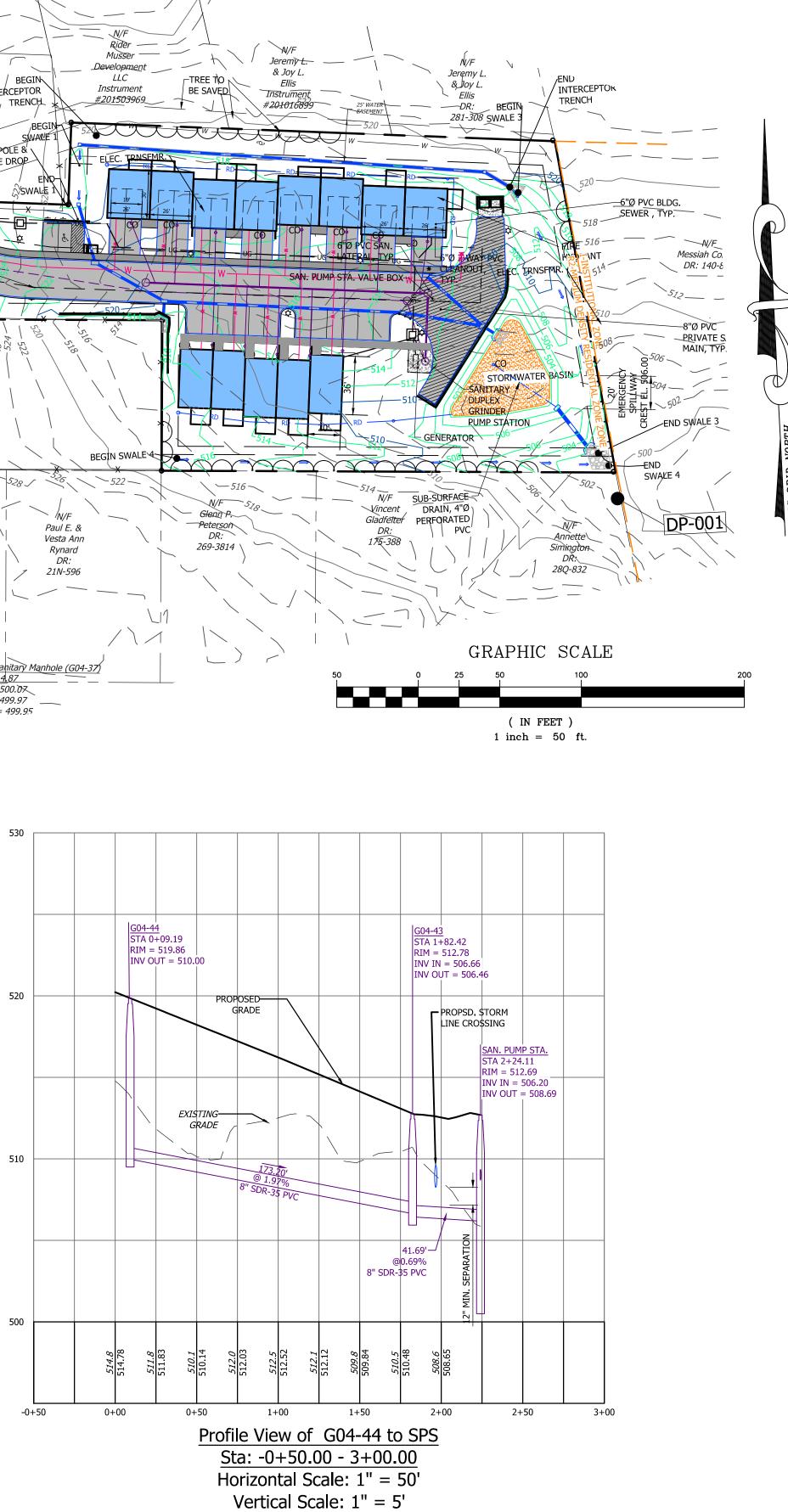
EROSION & SEDIMENT CONTROL PLAN

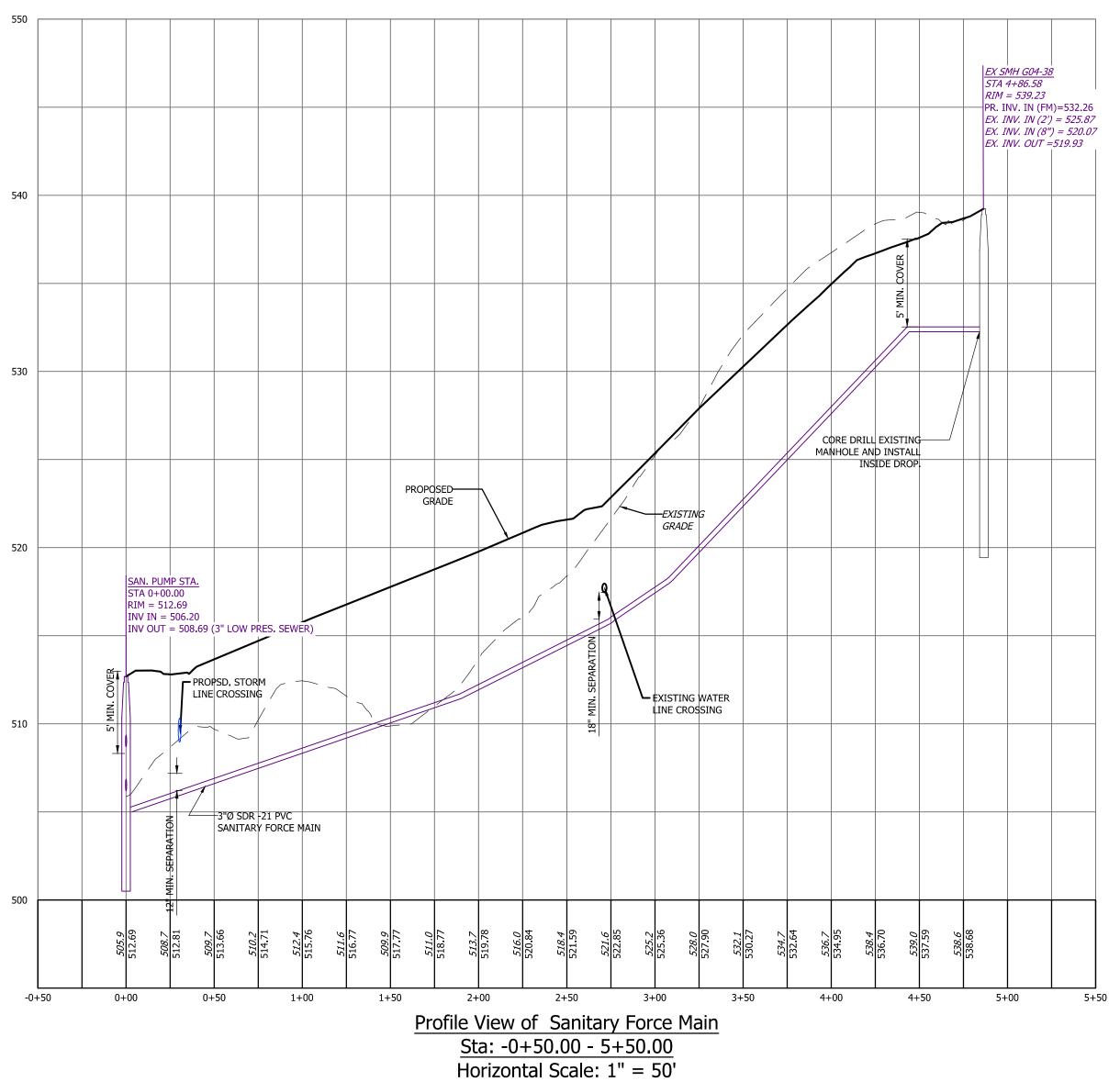


LUMINAIRE SCHEDULE								
SYMBOL	QTY.	LAMP	LUMINAIRE	MANUFACTURER	CATALOG NUMBER	LUMENS	WATTAGE	POLE
¢	7	LED, FULL CUTOFF	AP201, TYPE III DISTRIBUTION	LANDSCAPE FORMS	Part #: AP201-SO-35K-T3-FRS // AP-12-A-BC-XX-XXX	2313	39.5	AP-12-A, 9' H. X 4"Ø POLE W/ 12' FIXTURE HGT., BLACK

LIGHTING CALCULATIONS				
UNITS	AVG.	MAX	MIN	
FOOTCANDLES (Fc)	0.32	3.50	0.00	

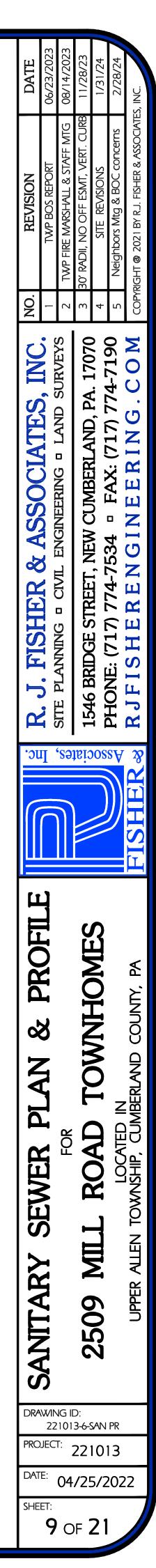




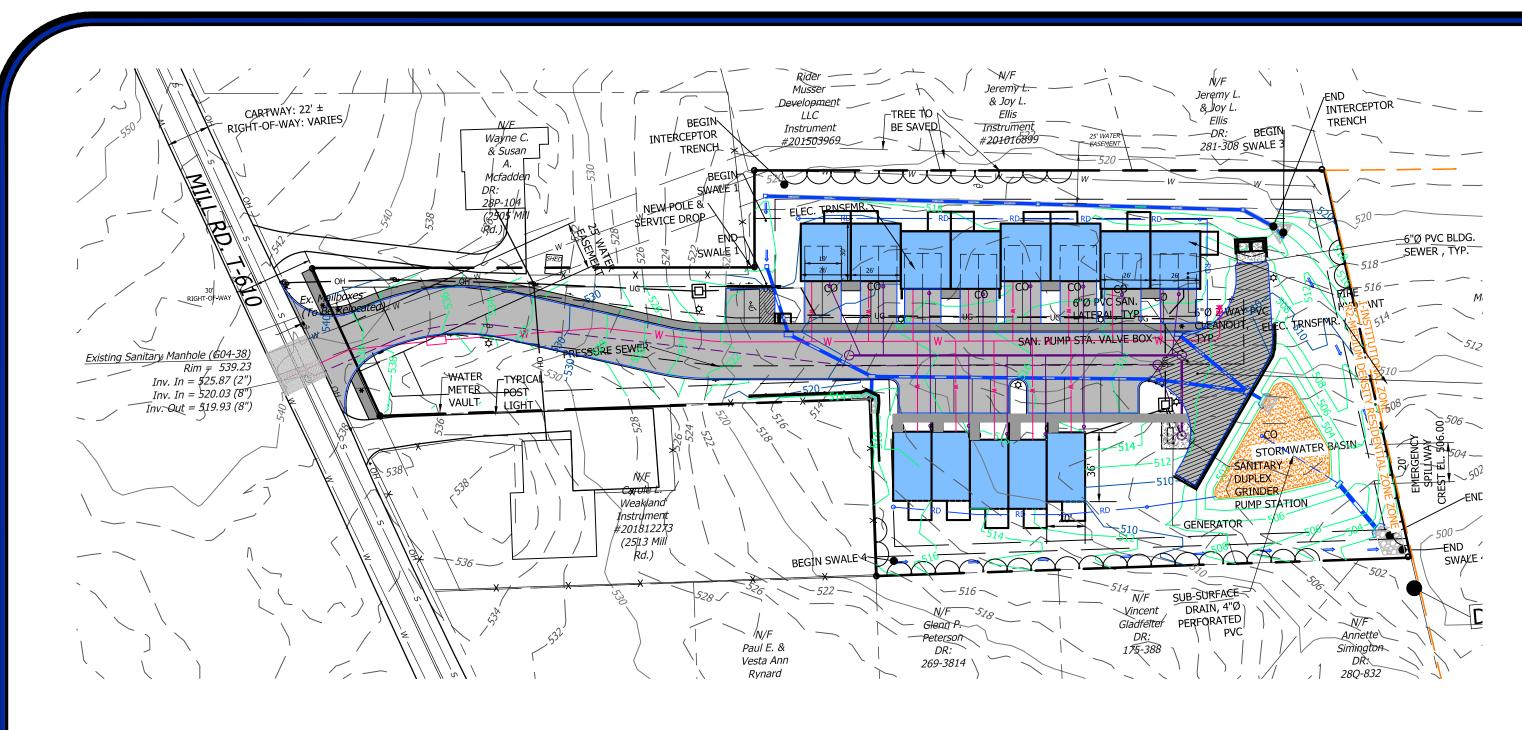


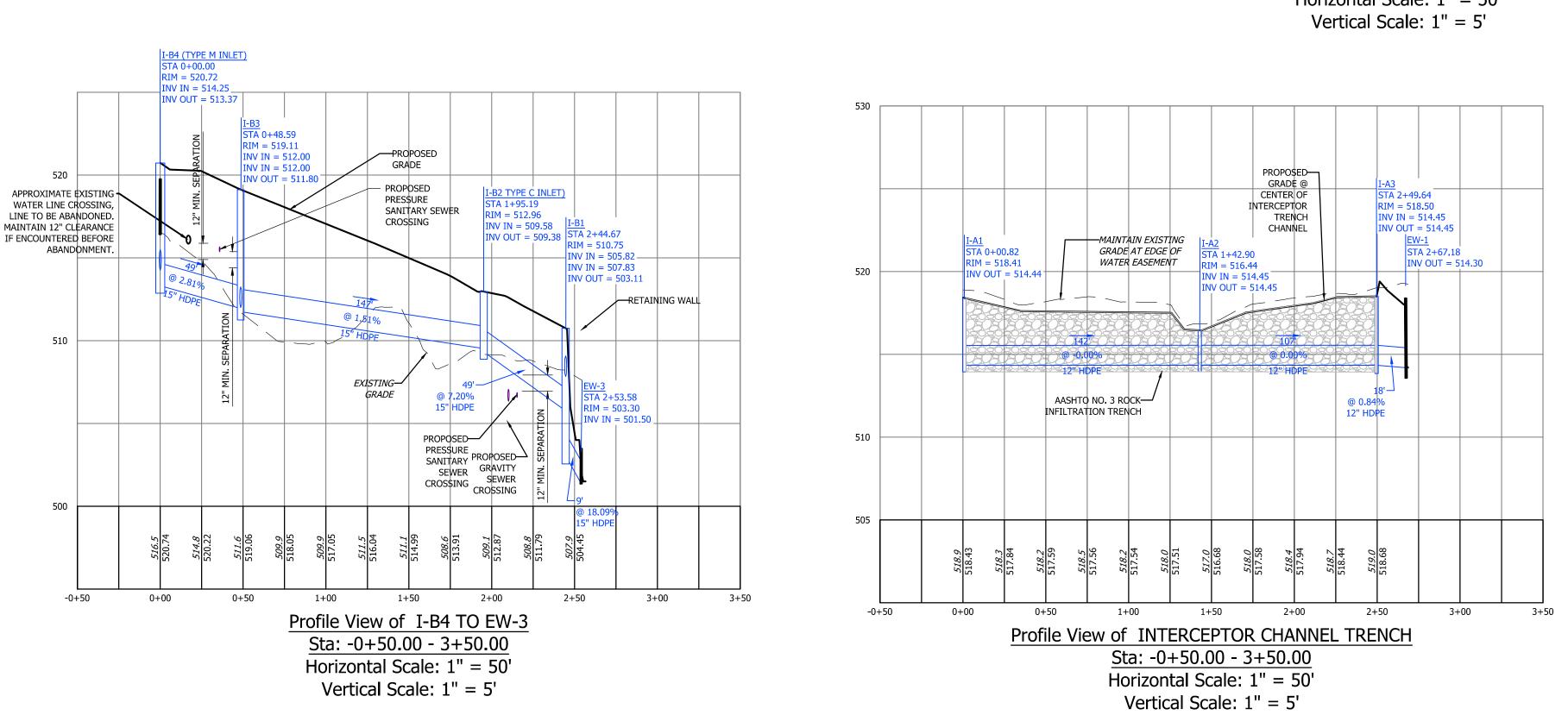
NOTES:

- 1. Frames and covers on existing sanitary manhole nos. G04-39, G04-38 and G04-37 in Mill Road to be replaced with new frames and vented manhole covers. Solid manhole covers to be returned to the Township.
- 2. Existing manhole no. G04-38 in Mill Road to be fully lined with epoxy coating material in accordance with Township requirements.
- 3. Pipe length labels shown on profiles represent distance center of center of structure to center of structure. Pipe slope labels shown on the profile
- represent inside face of structure to inside face of structure. 4. all building sewer and lateral piping to be 6" SDR 35 PVC.



Vertical Scale: 1" = 5'

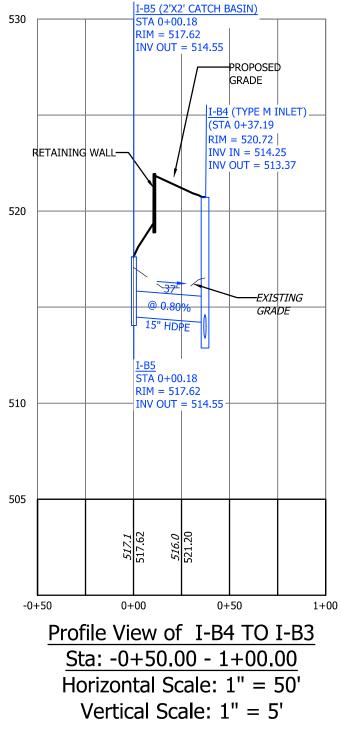


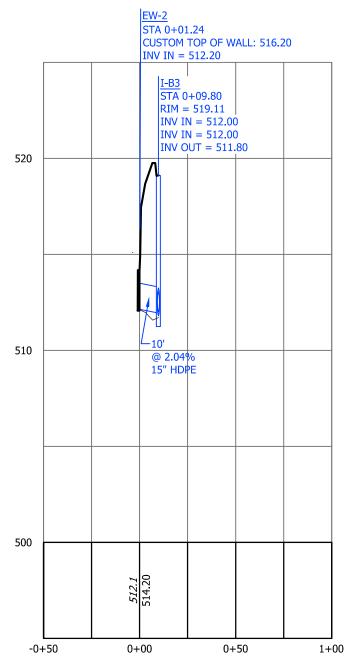


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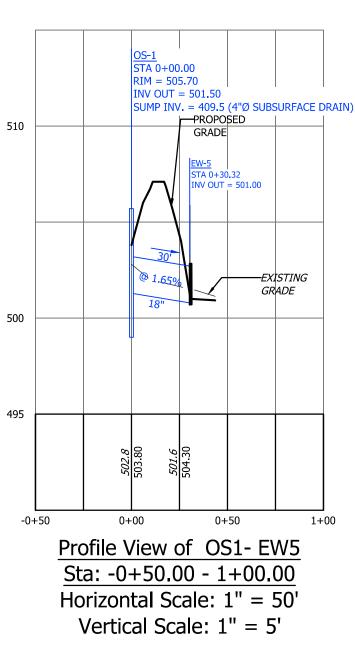
NOTES:

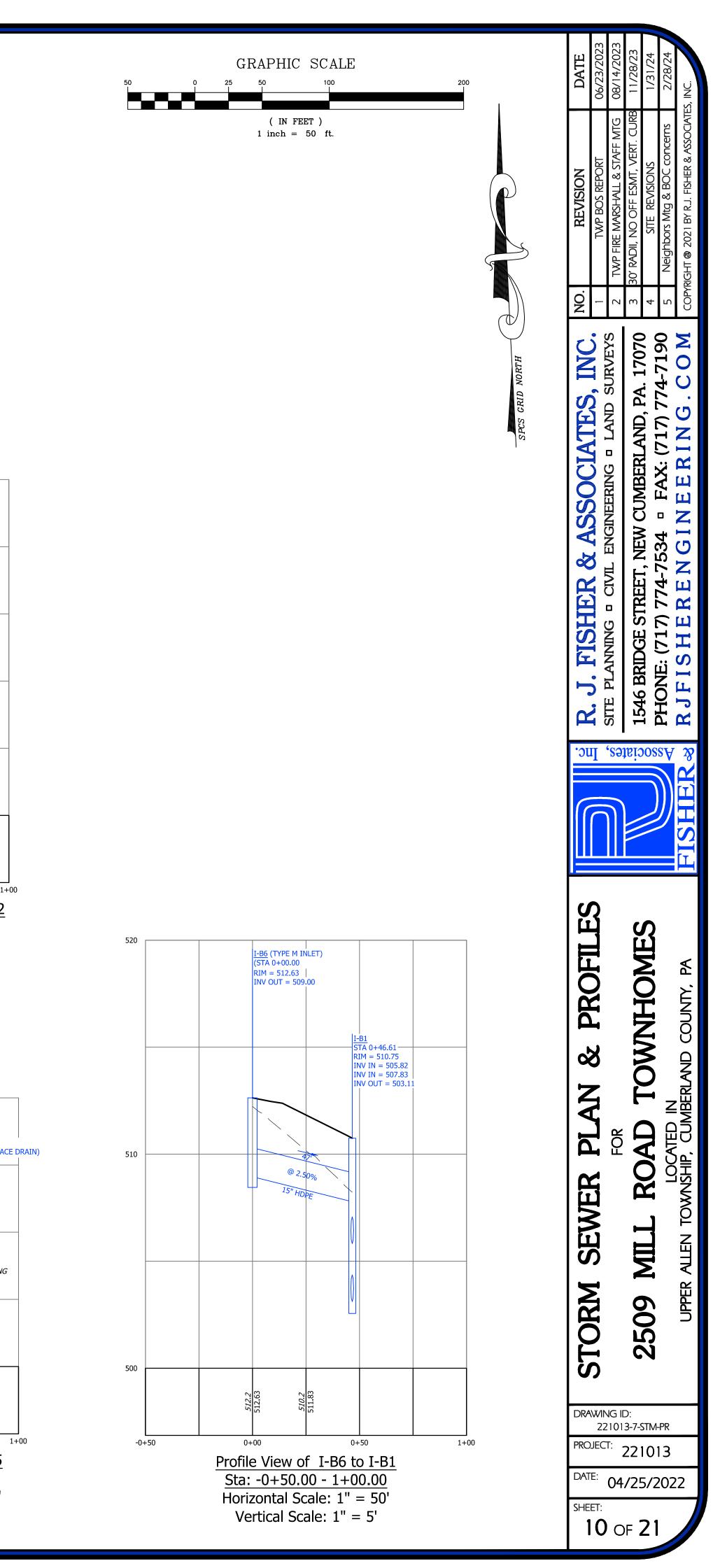
1. Pipe length labels shown on profiles represent distance center of center of structure to center of structure. Pipe slope labels shown on the profile represent inside face of structure to inside face of structure.

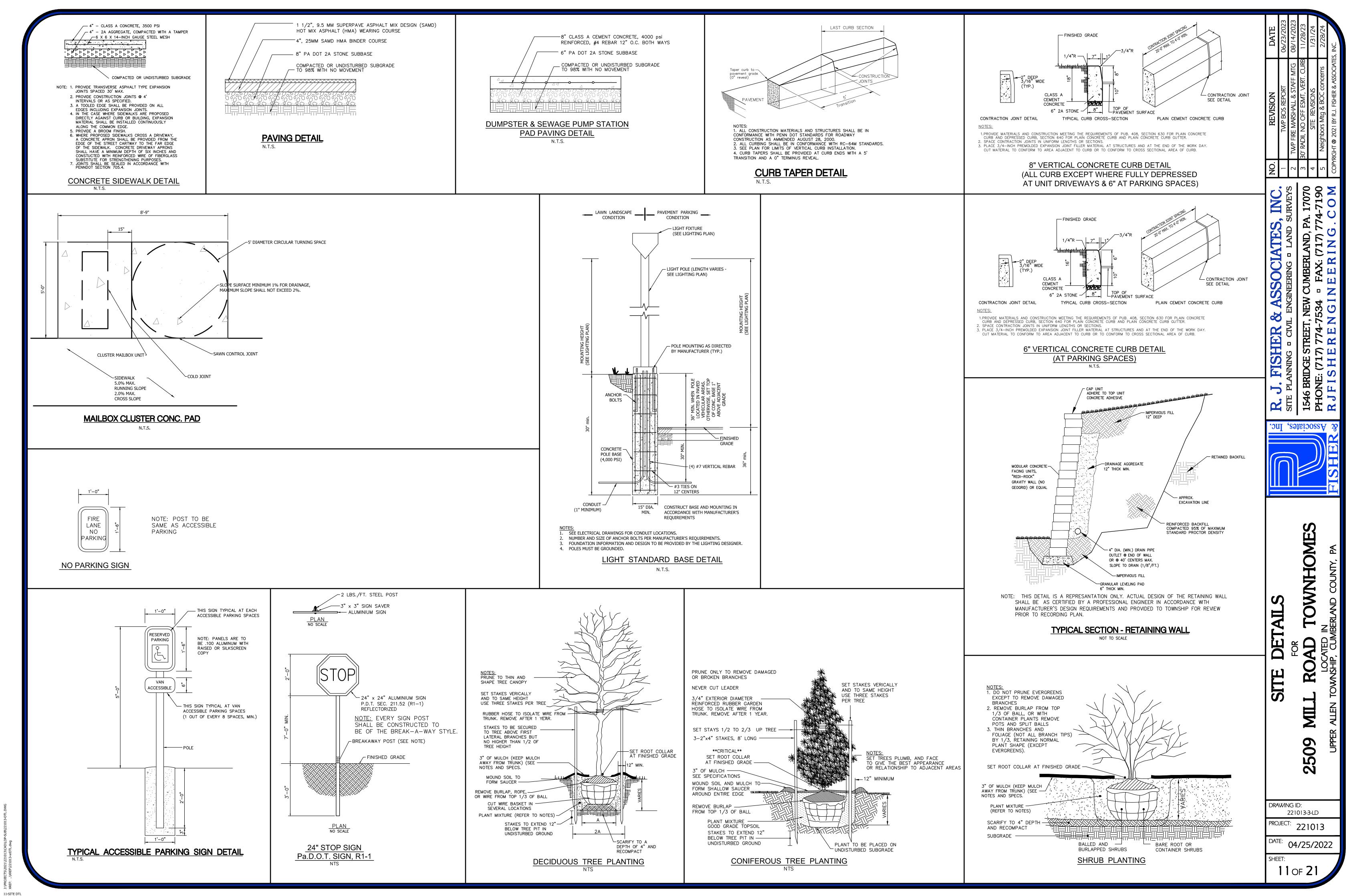




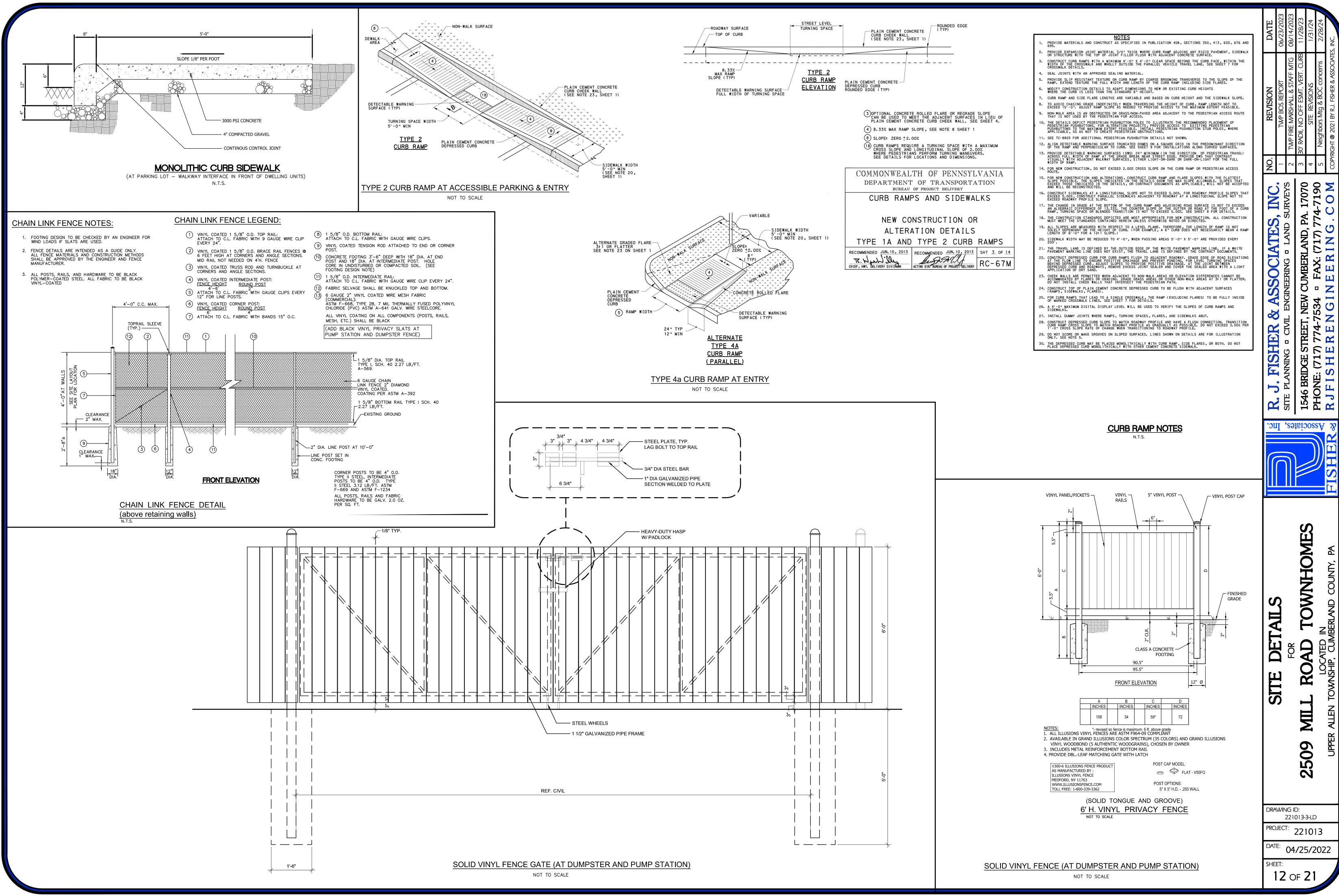
Profile View of EW-2 TO I-B2 Sta: -0+50.00 - 1+00.00Horizontal Scale: 1" = 50' Vertical Scale: 1" = 5'





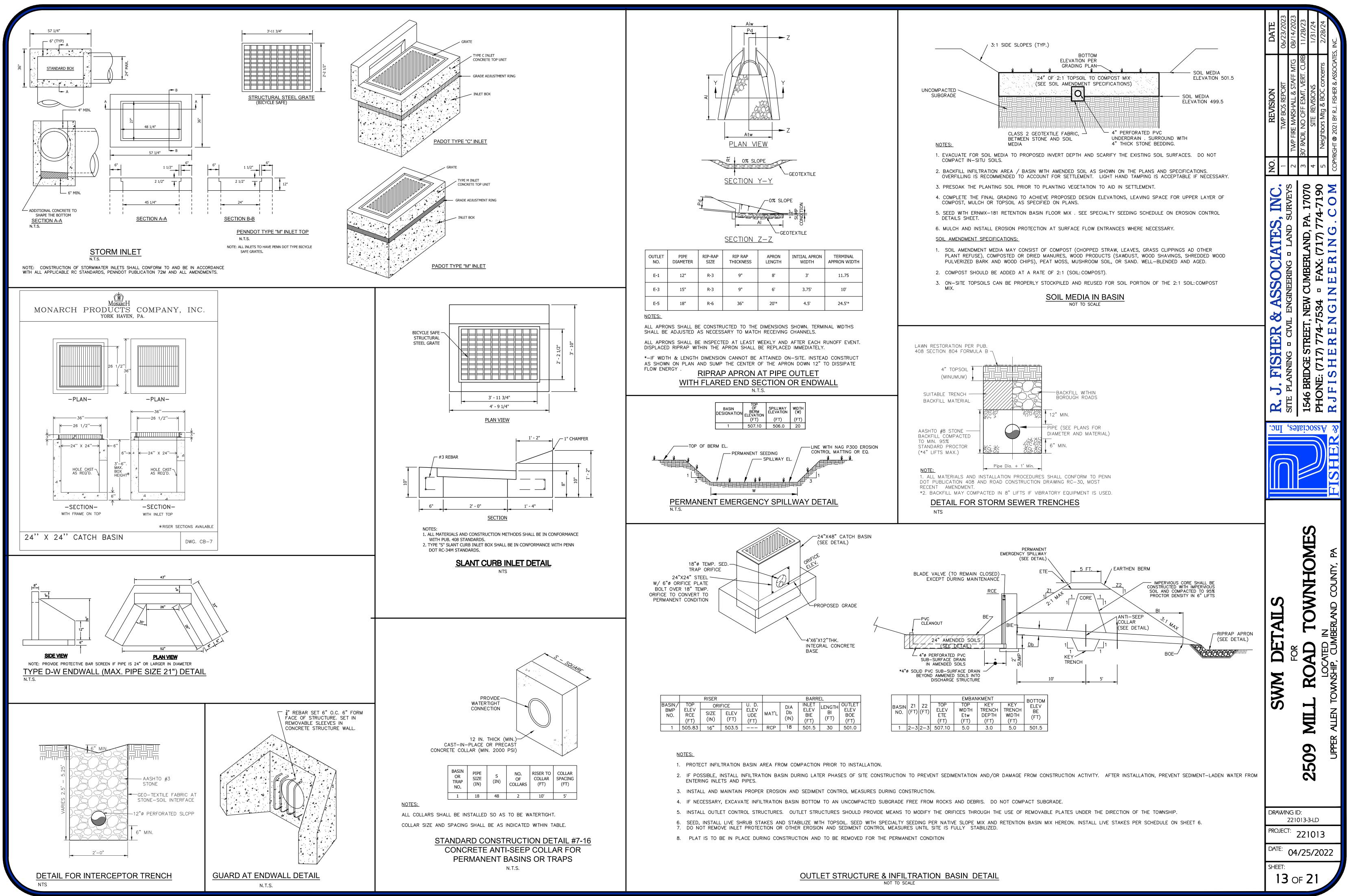


J:L BX

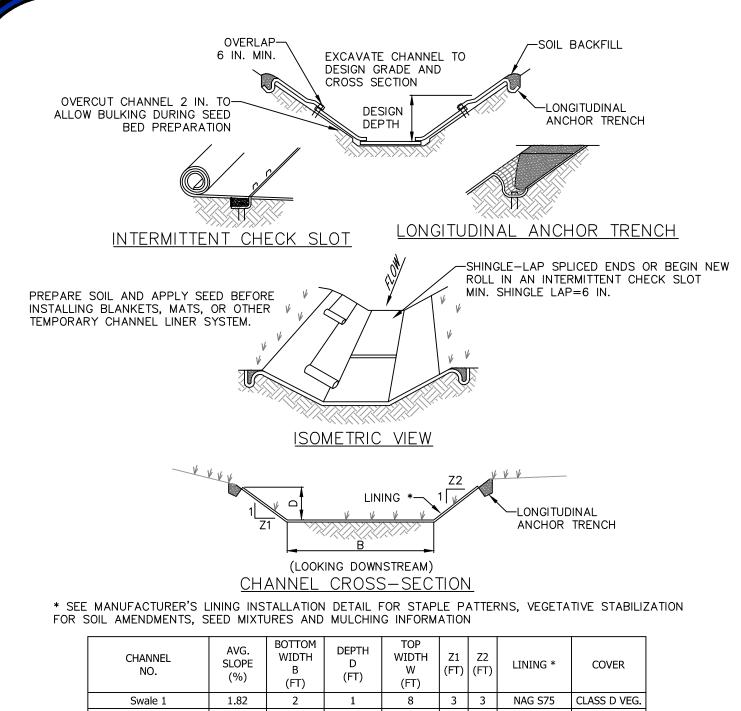


J:L BX

12-SITE DTL



J:L BX 13-SWM DTL



Swale 3 8.00 2 1 8 3 3 NAG S75 CLASS D VEG. Swale 4 (Min Slope) 3.63 2 1 8 3 3 NAG C125BN CLASS D VEG. Swale 4 (Max Slope) 8.91 2 1 8 3 3 NAG C125BN CLASS D VEG.

N.A.G. INDICATES NORTH AMERICAN GREEN PRODUCT, WITH PRODUCT #.

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 SHOOT (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.

STANDARD CONSTRUCTION DETAIL #6-1 **VEGETATED CHANNEL**

STORMWATER BMP OPERATION AND MAINTENANCE PLAN

OPERATION AND MAINTENANCE SCHEDULE The storm water volume and quality control Best Management Practices (BMPs) constructed for this project will be maintained to function as designed, and shall implement the procedures described below. The owner of the lot on which facilities are located shall own and maintain the facilities as shown on the drawings. Excess materials will be properly recycled or disposed of.

The approved facilities are to be permanent, and can only be removed or altered after approval by one or more of the following entities which may have jurisdiction: Upper Allen Township; and/or PA D.E.P. The tasks outlined herein shall be accomplished by the lot owner. The following physical facilities shall be maintained to the original design and dimensions shown on the design plans approved by Upper Allen Township, until such time as an amended plan is approved by the Township:

--stormwater pipes; --riprap aprons at pipe outlets; --drain inlets, manholes and open pipe ends; -- stormwater Infiltration basin --drainage easements associated with all of the above.

For any structural facility (pipe, inlet, manhole), it must be repaired or replaced if damaged more than superficially, in a way that is a safety hazard, if structurally unsound, or if not substantially performing as it is intended per the original design. The lot owner shall keep a record of any repaired or replaced facility, including costs, dates, materials removed, materials placed, and the contractor(s) information. Swales

--Inspect annually at a minimum and after significant rain events of greater than 1" rainfall. Remove any accumulated sediment, debris and trash, promptly. Any scoured or bare earth should be re-stabilized with swale lining, or seeding or sod that is watered until established. Repair any torn or displaced matting.

Riprap Aprons inspection and maintenance tasks--

<u>Storm Pipes and Inlets inspection and maintenance tasks</u>—— ——Examine annually at a minimum. Remove man—made trash and dispose of properly.

deterioration. --Examine swales for obstructions and erosion. Any scouring of earth should be re-stabilized with rock, or seeding (seed, mulch and matting), or sod that is watered until established; rock should be placed in non-growing seasons, even if temporary. --All inlets, storm piping, swales and drainage structures shall be kept free of any obstructions and foreign material that would cause disruption of water flow Man-made trash shall be disposed of properly in containers collected by a licensed commercial trash hauler. --All impervious surfaces shall be maintained clean of oil, fuel or other toxic spills, in accordance with State, Federal or local regulations.

Drainage Easements inspection and maintenance tasks----Inspect annually at a minimum. --Notify the landowner if any obstructions or alteration of the ground surface interfere with the purpose and use of the easement, and request removal / correction of the problem.

Stormwater Infiltration Basin --Inspect annually at a minimum.

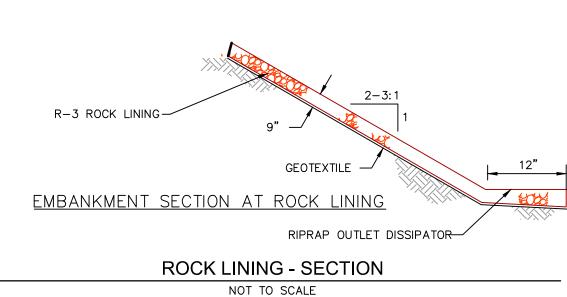
--The bottom of the stormwater infiltration basin can be maintained as maintained meadow, or natural brush succession, per the desires and budget of the lot owner. The basin berms shall be maintained as meadow, being mowed once per year in the fall. Removal of sediment / debris shall take place when the basin bottom has dried, if possible. Man-made trash shall be disposed of properly in containers collected by a licensed commercial trash hauler. --Examine for and clean out the outlet structure and trash rack, of accumulated trash, grit and the like. --Remove grit, sand, soil or organic matter if it accumulates to a depth of 3" or more, so that storage volume is maintained. --Infiltration Basin. If standing water is present for greater than 72 hours after the last rainfall pump out the basin to perform the following remediation:

• Remove 10" below the proposed basin bottom, replace with a 2:1 soil to compost mix and till up to 20". • If further problems persist contact Cumberland County Conservation District and/or Upper Allen for a suitable solution.

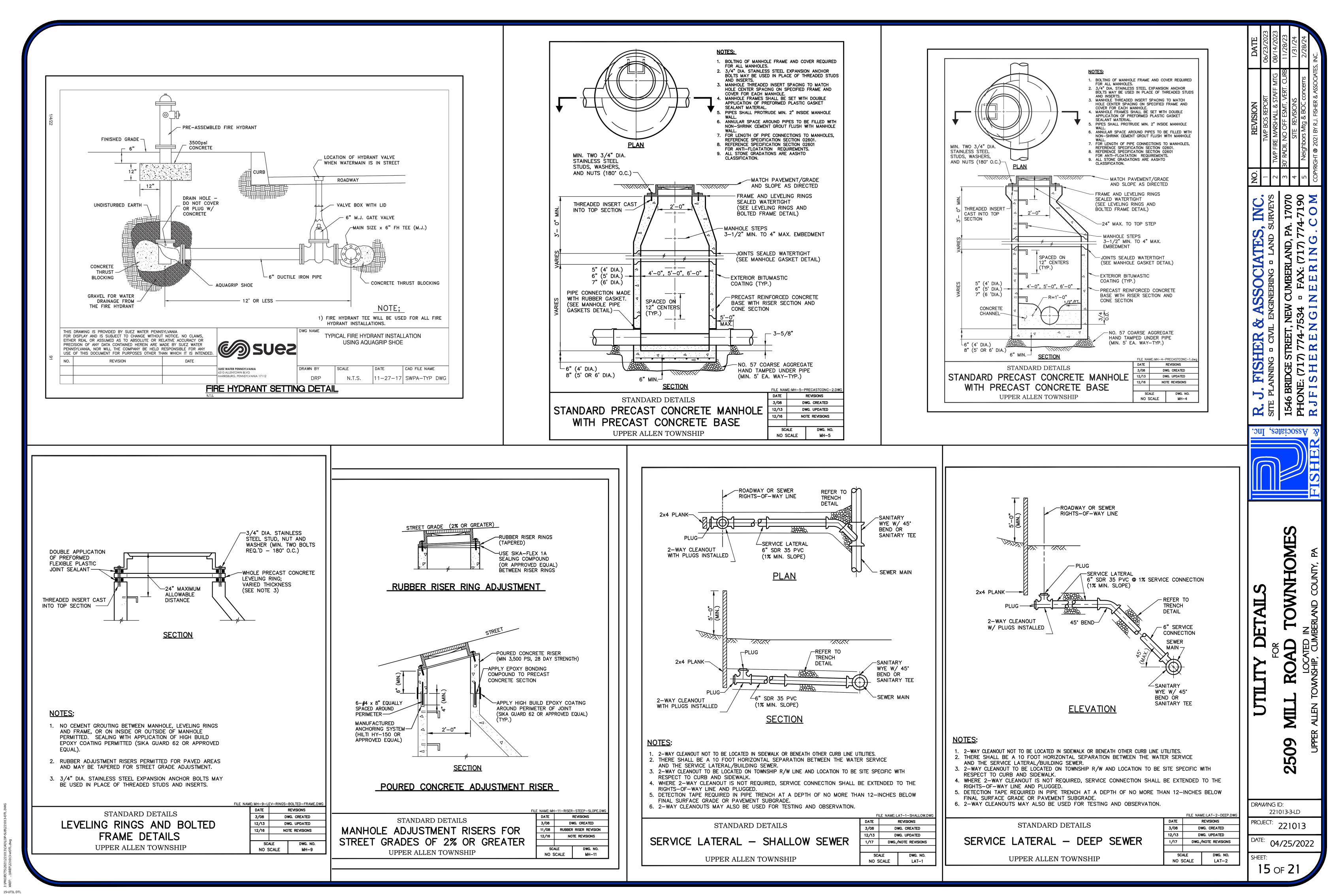
--Inspect annually at a minimum. Remove any accumulated debris and trash, and remove promptly. Dislodged rock should be reset in place. Any scouring of earth at or below the apron should be re-stabilized with rock, or seeding (seed, mulch and matting), or sod that is watered until established; rock should be placed in non-growing seasons, even if temporary.

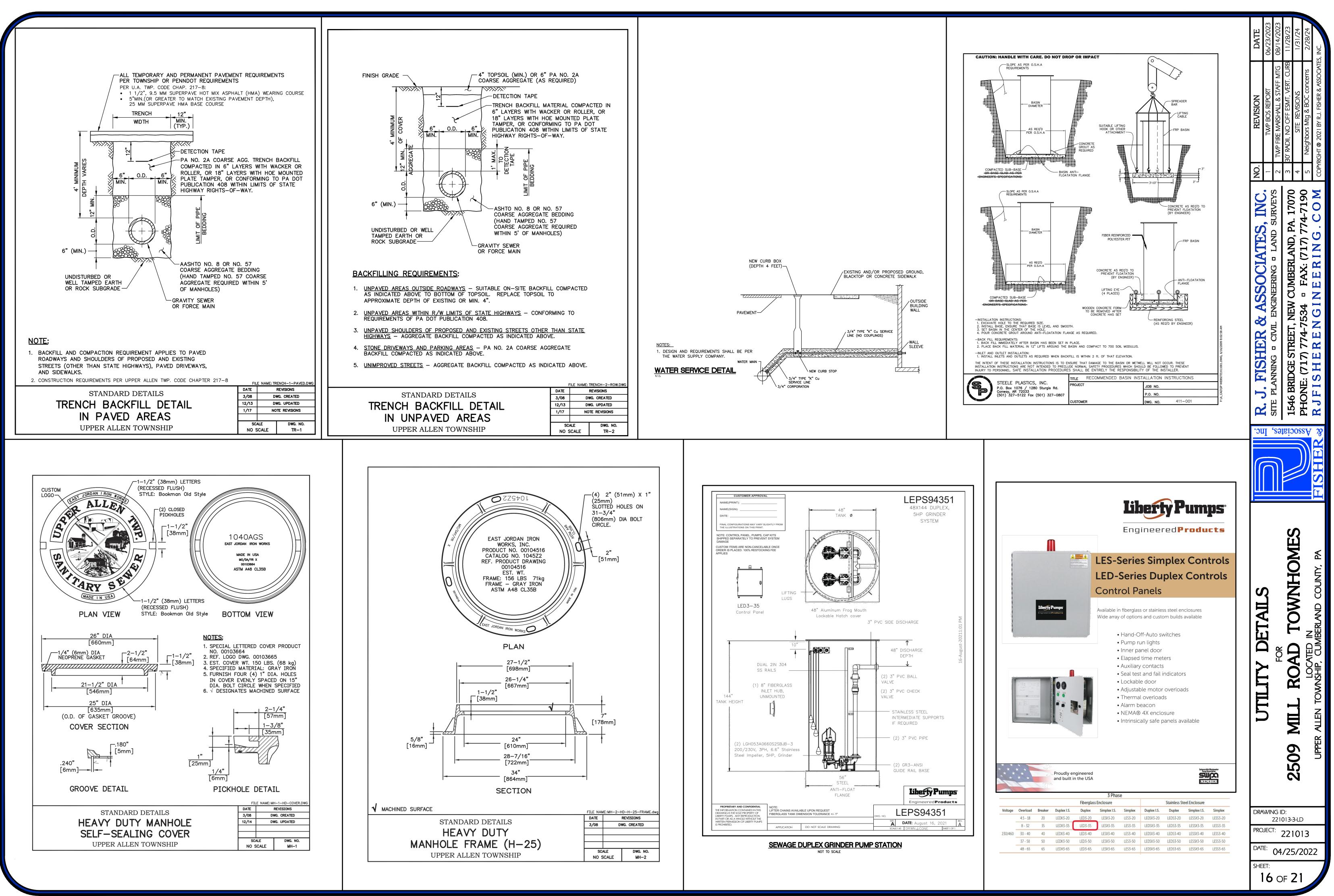
--Examine inlet bottoms via grates, for accumulated debris. Remove accumulated grit and other debris. Check for any obvious structural

--Examine any swales for obstructions and erosion. Any scouring of earth should be re-stabilized with rock, or seeding (seed, mulch and matting), or sod that is watered until established; rock should be placed in non-growing seasons, even if temporary.



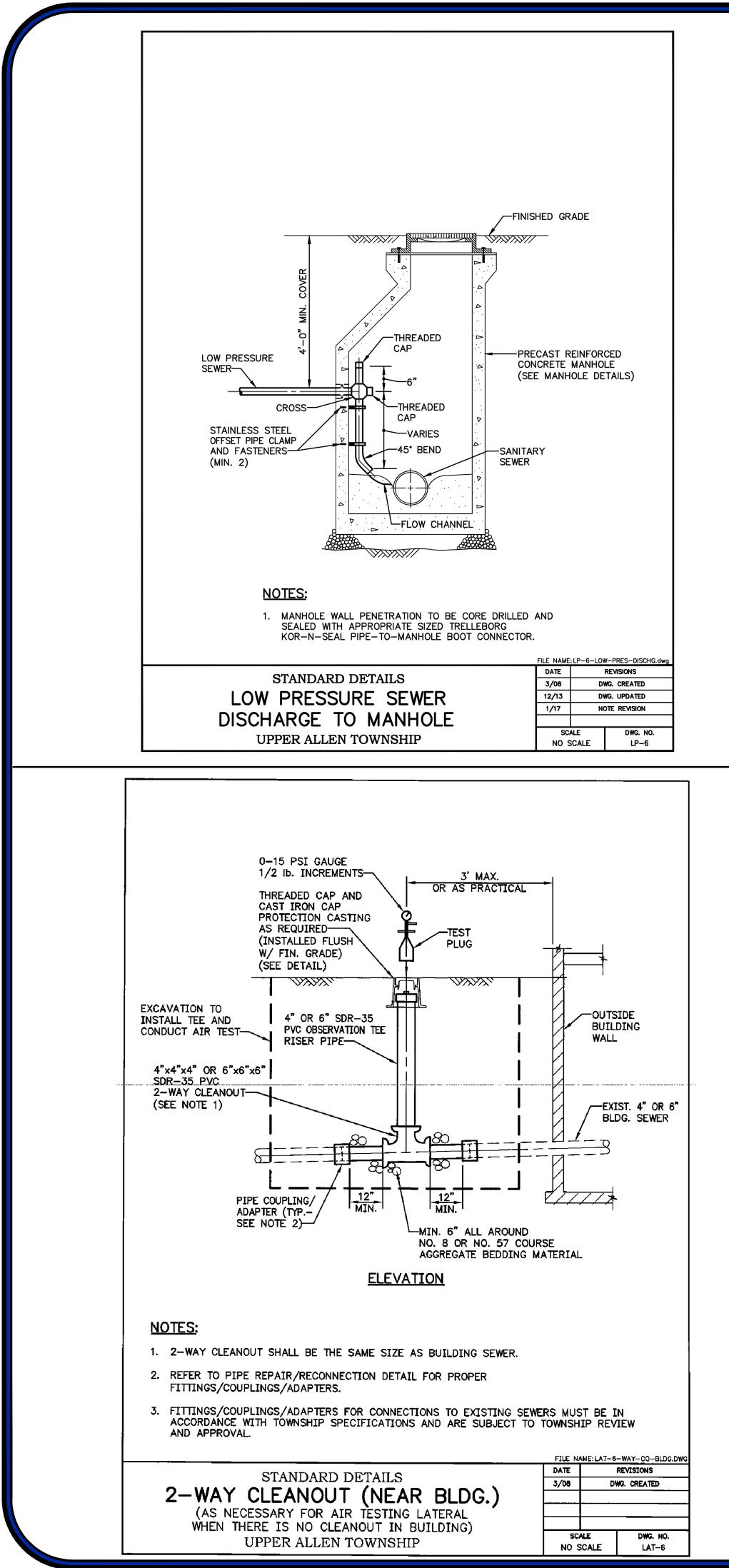
R. J. FISHER & ASSOCIATES, INC. No. REVISION DATE R. J. FISHER & ASSOCIATES, INC. I. I. WE BOS REPORT I. I. WE BOS REPORT DATE STE PLANNIG = CIVIL. ENGINEERING = LAND SURVEYS I. I. WE BOS REPORT 06/13/2023 06/13/2023 1546 BRIDGE STREET, NEW CUMBERLAND, PA. 17070 I. I. WE BOS REPORT 06/14/2023 1/3/124 1546 BRIDGE STREET, NEW CUMBERLAND, PA. 17070 I. I. STAFF MIC 06/14/2023 1/3/124 PHONE: (717) 774-7739 I. FAX: (717) 774-7190 I. REVISIONS 1/3/124 R. J. FISH E R E N GI IN E E R I N G. C OM COPAGEH 0. 2021 BY RJ. FISHER ASOCIATE INC. 2/28/24
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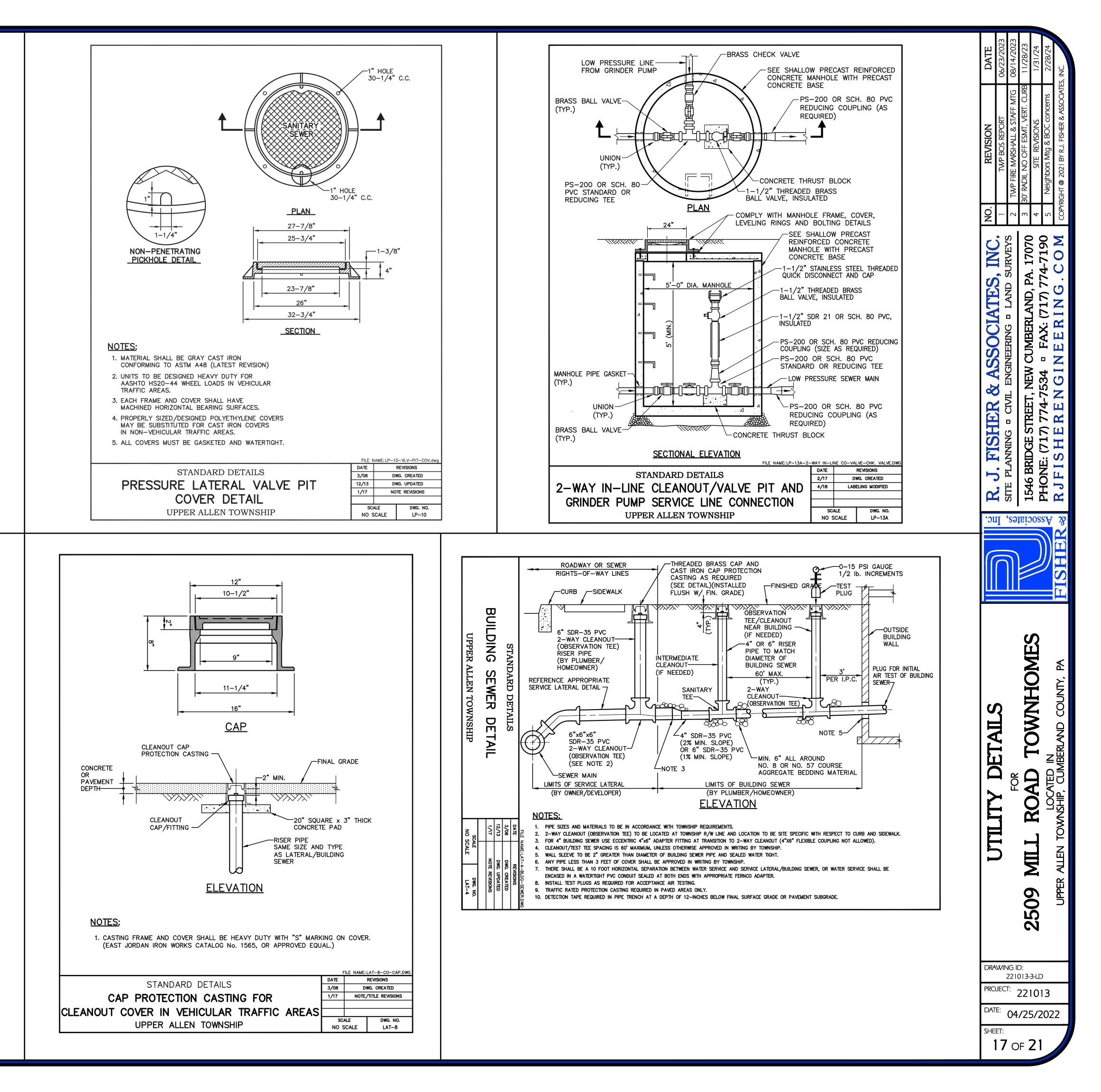


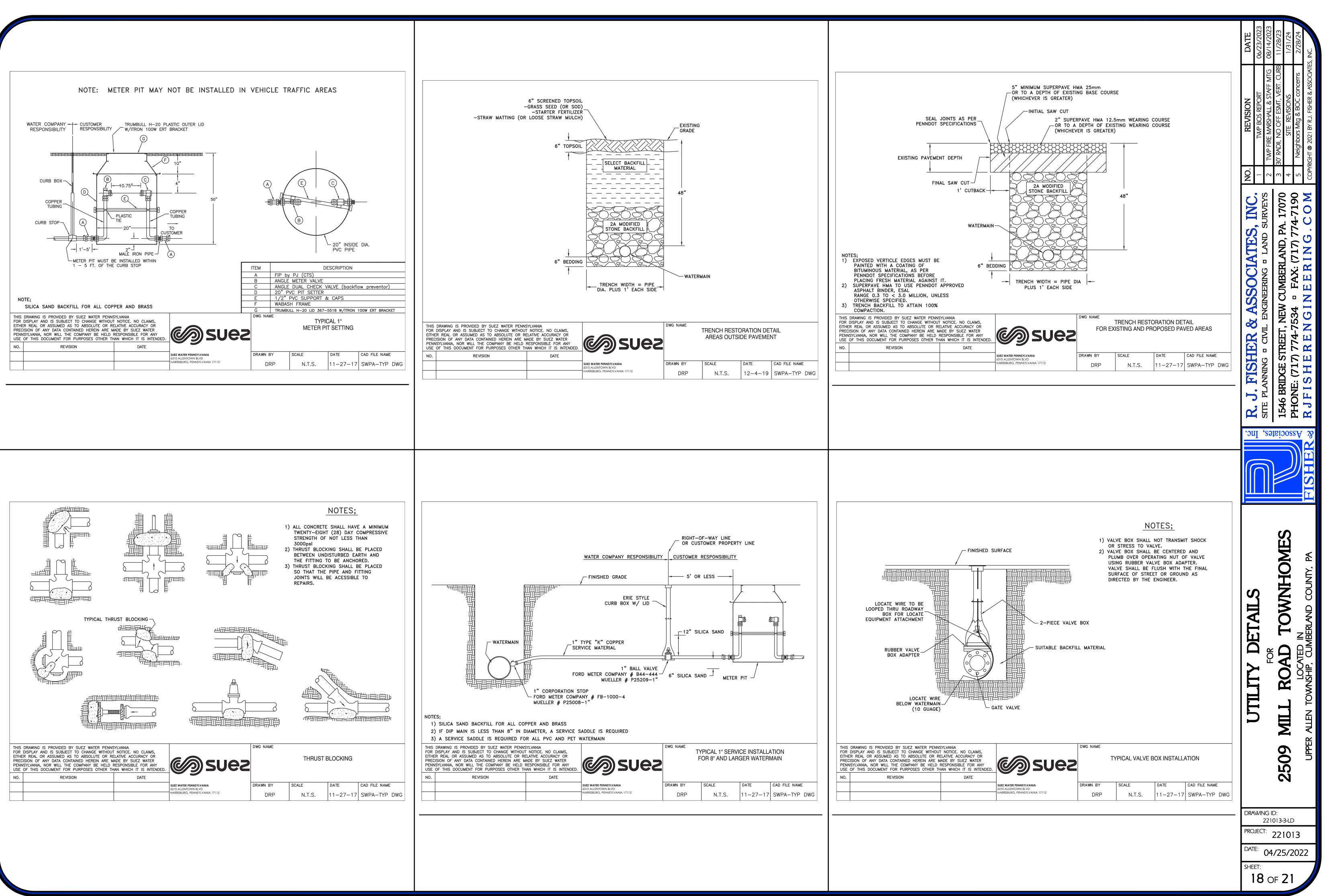
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16-UTIL DTL



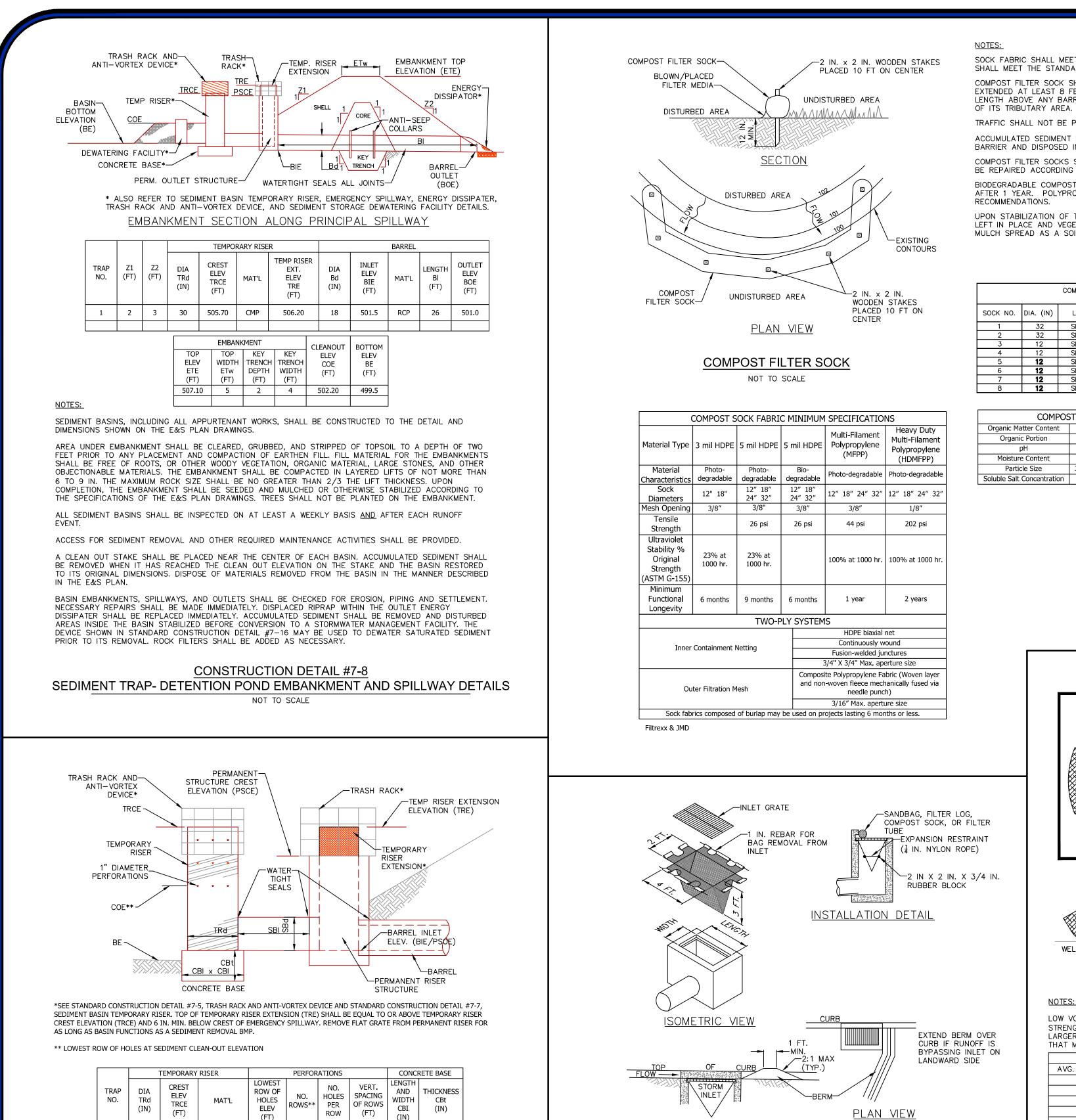
17-UTIL DTL

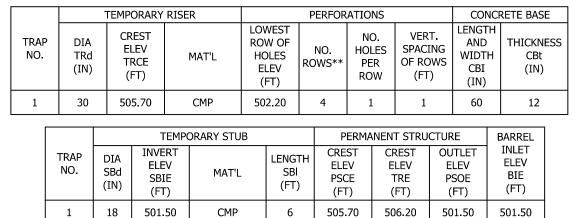




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18-UTIL DTL





NOTES:

A MINIMUM OF 2-#8 REBAR SHALL BE PLACED AT RIGHT ANGLES AND PROJECTING THROUGH SIDES OF RISER TO ANCHOR IT TO CONCRETE BASE. REBAR SHALL PROJECT A MINIMUM OF 1/4 RISER DIAMETER BEYOND

OUTSIDE OF RISER.

CONCRETE BASE SHALL BE POURED IN SUCH A MANNER SO AS TO INSURE THAT CONCRETE FILLS BOTTOM OF RISER TO INVERT OF THE OUTLET PIPE TO PREVENT RISER FROM BREAKING AWAY FROM THE BASE. MINIMUM

BASE WIDTH EQUALS 2 TIMES RISER DIAMETER.

EMBEDDED SECTION OF ALUMINUM OR ALUMINIZED PIPE SHALL BE PAINTED WITH ZINC CHROMATE OR

EQUIVALENT.

CLOGGED OR DAMAGED SPILLWAYS SHALL BE REPAIRED IMMEDIATELY. TRASH AND OTHER DEBRIS SHALL BE

CONSTRUCTION DETAIL #7-9

SEDIMENT TRAP - DETENTION POND RISER STRUCTURES

NOT TO SCALE

REMOVED FROM THE BASIN AND RISER.

N.T.S.

NOTES:

SIEVE.

19-ESC DTL

DST SOCK FABRIC MINIMUM SPECIFICATIONS											
HDPE	5 mil HDPE	5 r	nil HDPE		ılti-F lypro (Mf			Mu Po	ulti-F lypro	y Du ilam opyle MFPF	ent ene
to- dable	Photo- degradable	Bio- degradable		Pho	to-de	egrad	able	Pho	to-de	egrac	lable
18"	12″ 18″ 24″ 32″	_	2″ 18″ 4″ 32″	12″	18″	24″	32″	12″	18″	24″	32″
8″	3/8"		3/8″		3/	'8″			1/8″		
	26 psi		26 psi		44	psi			202	2 psi	
b at) hr.	23% at 1000 hr.			100	% at	1000) hr.	100	% at	: 100	0 hr.
nths	s 9 months 6		months		1 y	ear			2 y	ears	
	TWO-F	νLΥ	SYSTEM	S							
					HD	PE bia	axial	net			
nment N	lettina				Conti	nuou	sly w	ound			
inche i	loung		Fusion-welded junctures								
		3/4" X 3/4" Max. aperture size									
ation Mesh			Composite Polypropylene Fabric (Woven layer and non-woven fleece mechanically fused via needle punch)								
			3/16" Max. aperture size								
nposed	posed of burlap may be used on projects lasting 6 months or less.										

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

TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

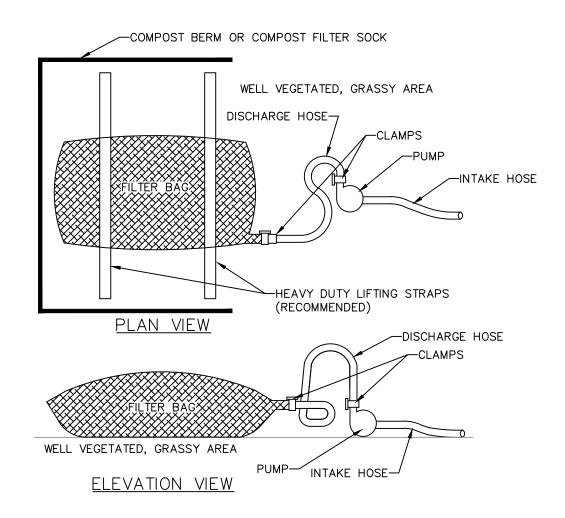
ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION. BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S

UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

COMPOST FILTER SOCK TABLE					
SOCK NO.	DIA. (IN)	LOCATION	SLOPE PERCENT	SLOPE LENGTH ABOVE BARRIER (FT)	
1	32	SEE PLAN	7	593	
2	32	SEE PLAN	7	593	
3	12	SEE PLAN	N/A, diversion t	o I-B4	
4	12		N/A, surrounds		
5	12		N/A, surrounds		
6	12	SEE PLAN	N/A, surrounds	Stockpile Stockpile	
7	12	SEE PLAN	N/A, surrounds	Stockpile Stockpile	
8	12	SEE PLAN	N/A, surrounds	Stockpile	

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



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 WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH STRENGTH	ASTM D-4884	60 LB/IN
GRAB TENSILE	ASTM D-4632	205 LB
PUNCTURE	ASTM D-4833	110 LB
MULLEN BURST	ASTM D-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AOS % RETAINED	ASTM D-4751	80 SIEVE

A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.

BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%. CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.

COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS DUE TO THE FACT THAT THIS BMP NEEDS TO BE ABACT DUE TO IMPAIRED WATER SOURCE.

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 FLOATING AND SCREENED. FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

> PUMPED WATER FILTER BAG N.T.S.

SECTION VIEW

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.

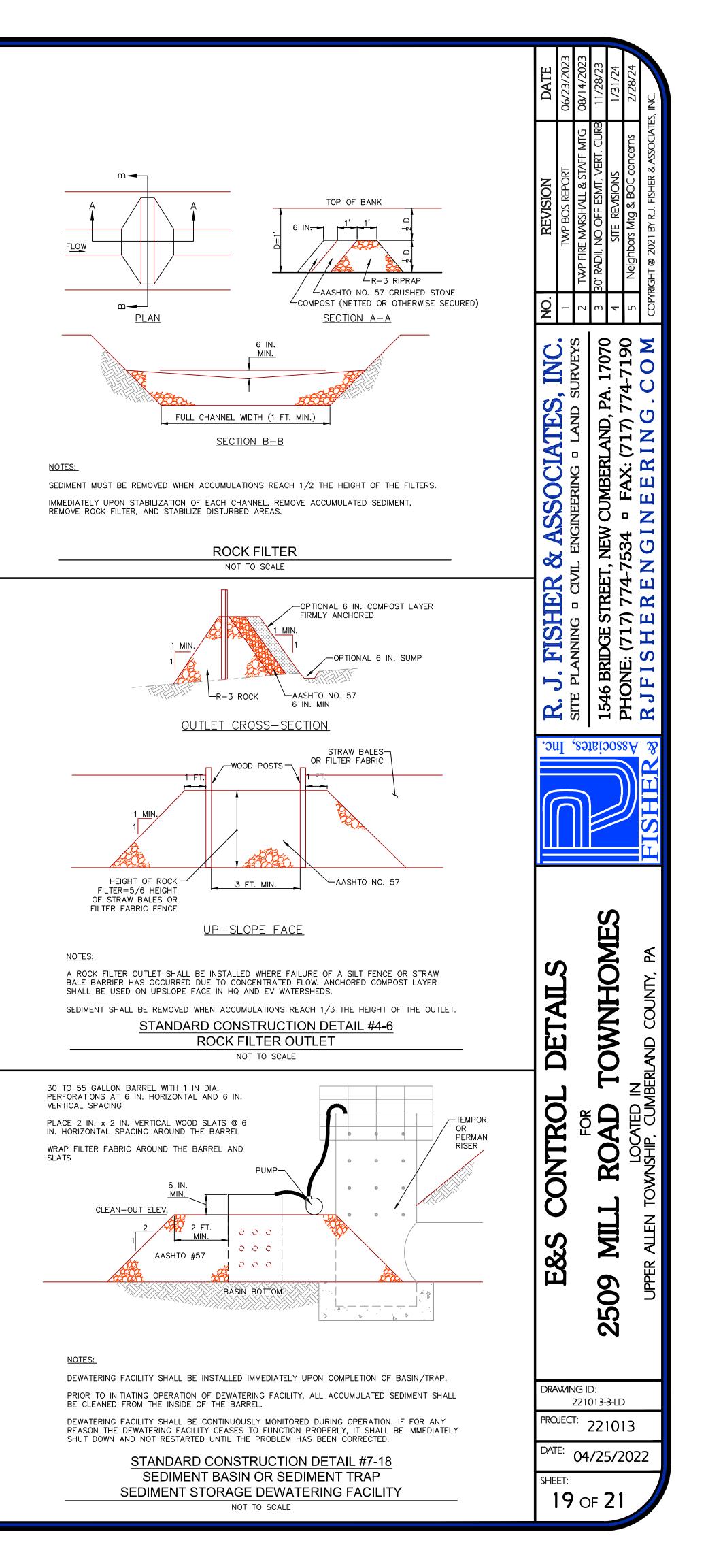
ROLLED EARTHEN BERM SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. SIX INCH MINIMUM HEIGHT ASPHALT

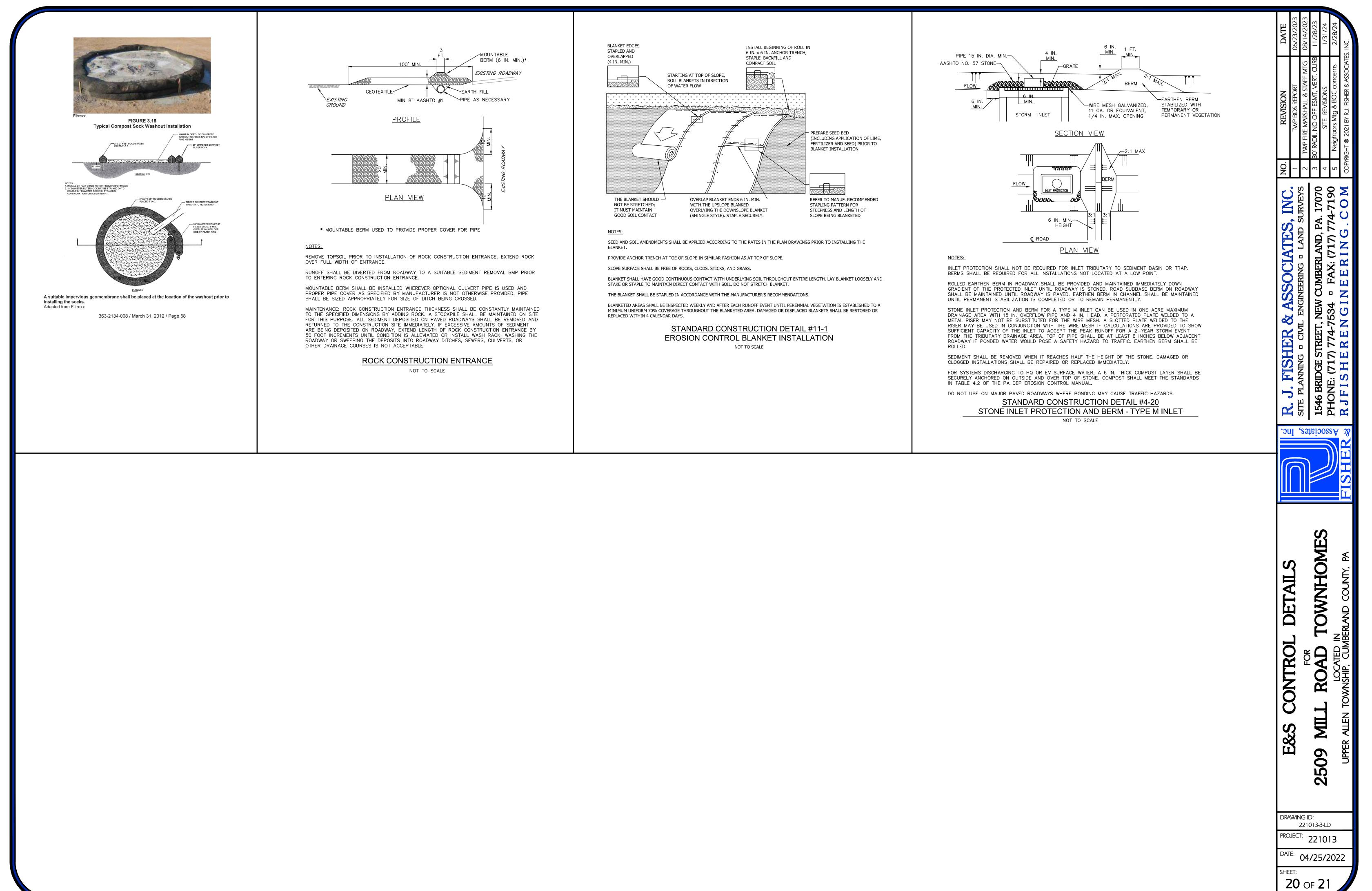
BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL COAT. AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS, A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40

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

FILTER BAG INLET PROTECTION - TYPE C INLET





GENERAL NOTES

- 1. The site contractor and their designees shall familiarize themselves with this Erosion Control Plan. The site contractor shall be responsible for implementation of this Erosion Control Plan.
- 2. The site contractor shall not disturb more area than is necessary for the task to be done, so that potential for erosion is minimized 3. The site contractor shall ensure that earth disturbance activities are planned and
- implemented to the extent practicable in accordance with the following: a.Minimize the extent and duration of the earth disturbance.
- b.Maximize protection of existing drainage features and vegetation. c.Minimize soil compaction.
- d.Utilize other measures or controls that prevent or minimize the generation of increased stormwater runoff
- 4. Erosion and sedimentation controls must be constructed, stabilized, and functional before site disturbance within the tributary areas to the controls.
- 5.A copy of the approved Erosion and Sediment Control Plan / Drawinas (stamped, signed and dated by the reviewing agency) must be available at the project site at all times.
- 6.At least 7 days prior to starting any earth disturbance activities, or expanding into an area previously unmarked, the owner and/or operator shall invite all contractors involved in those activities, the landowner, appropriate municipal officials, the erosion control plan preparer, the post construction plan preparer, and a representative of the County Conservation District to an on-site pre-construction meeting.
- 7.At least 3 days before starting any earth disturbance activities, or expanding into an area previously unmarked, all contractors involved in those activities shall notify the Pennsylvania One Call System Incorporated at 1-800-242-1776 for the location of existing underground utilities.
- 8.All earth disturbance activities shall proceed in accordance with the sequence provided on the plan drawings. Deviation from that sequence must be approved in writing from the County Conservation District prior to implementation.
- 9.Clearing, grubbing, and topsoil stripping shall be limited to those areas described in each stage of the construction sequence. General site clearing, grubbing and topsoil stripping may not commence in any stage or phase of the project until the E & S BMPs specified by the Construction Sequence for that stage or phase have been installed and are functioning as described in this document.
- 10. At no time shall construction vehicles be allowed to enter areas outside the limit of disturbance boundaries shown on the plan maps. These areas must be clearly marked and fenced off before clearing and grubbing operation begin.
- 11. Topsoil stockpile heights shall not exceed 35 feet. Stockpile side slopes must be 2:1 or flatter.
- 12. Immediately upon discovering unforeseen circumstances posing the potential for accelerated erosion and/or sediment pollution, the operator shall implement appropriate best management practices (BMPs) to minimize the potential for erosion and sediment pollution, and notify the local Conservation District and/or the regional office of PA DEP.
- 13. Solids, trash and other pollutants shall be disposed in accordance with federal and state regulations in order to prevent any pollutant in such materials from adversely affecting the environment. All building materials and wastes must be removed from the site and recycled or disposed in accordance with the Department of Environmental Protection's Solid Waste Management regulations at 25 Pa. Code 260, 260.1 et seq., 271.1, and 287.1 et seq. No building materials or wastes or unused building materials shall be burned, buried, dumped, or discharaed at the site.
- 14. All off-site waste and borrow areas must have an E & S Plan approved by the Conservation District or DEP, and fully implemented prior to being activated.
- 15. The contractor is responsible for ensuring that any material brought onto the site is Clean Fill. Form FP-001 must be retained by the property owner for any fill material affected by a spill or release of a regulated substance but qualifying as Clean Fill due to analytical testing.
- 16. All pumping of water from any work area shall be done according to the procedure described in this plan, over undisturbed vegetated areas.
- 17. Areas which are to be topsoiled shall be scarified to a minimum depth of 4 inches prior to placement of topsoil. Areas to be vegetated shall have a minimum 4 inches of topsoil in place prior to seeding and mulching. Fill outslopes shall have a minimum of 2 inches of topsoil.
- All fills shall be compacted as required to reduce erosion, slippage, 18 settlement, subsidence or other related problems. Fill intended to support buildings, structures, conduits, etc. shall be compacted in accordance with local requirements or codes. All fills shall be placed in compacted layers not to exceed 9 inches in thickness. Fill materials shall be free of frozen particles. brush, roots, sod, or other foreign or objectionable materials that would interfere with or prevent construction of satisfactory fills. Frozen materials or soft. mucky, or highly compressible materials shall not be incorporated into fills. Fill shall not be placed on saturated or frozen surfaces.
- 19. Seeps or springs encountered during construction shall be handled in accordance with the standard and specification for subsurface drain or other approved method.
- 20. All graded areas shall be permanently stabilized immediately upon reaching finished grade. Cut slopes in competent bedrock and rock fills need not be veaetated.
- 21. Immediately after earth disturbance activities cease in any area or subarea of the project, the operator shall stabilize all disturbed areas. During non-aerminatina months. mulch or protective blanketing shall be applied as described in the plan. Areas not at finished grade, which will be reactivated within 1 year, may be stabilized in accordance with the temporary stabilization specifications. Those areas which will not be reactivated within 1 year shall be stabilized in accordance with the permanent stabilization specifications.
- 22. Permanent stabilization is defined as a minimum uniform, perennial 70% vegetative cover or other permanent non-vegetative cover with a density sufficient to resist accelerated erosion. Cut and fill slopes shall be capable of resisting failure due to slumping, sliding, or other movements.
- 23. All E & S BMPs must remain functional as such until all areas tributary to them are permanently stabilized or until they are replaced by another BMP approved by the Conservation District or PA DEP.
- 24. Upon completion of all earth disturbance activities and permanent stabilization of all disturbed areas, the owner and / or operator shall contact the Conservation District for an inspection prior to removal / conversion of the E & S BMPs.
- 25. After final site stabilization has been achieved, temporary E & S BMPs must be removed or converted to permanent post construction stormwater management BMPs. Ares disturbed during removal or conversion of the BMPs must be stabilized immediately. In order to ensure rapid revegetation of disturbed areas, such removal / conversions should be done only during the germinating season.
- 26. Upon completion of all earth disturbance activities and permanent stabilization of all disturbed areas, the owner and / or operator shall contact the Conservation District to schedule a final inspection.
- 27. Failure to correctly install E & S BMPs, failure to prevent sediment-laden runoff from leaving the construction site, or failure to take immediate corrective action to resolve failure of E & S BMPs may result in administrative, civil, and/or criminal penalties being instituted by the Pennsylvania Department of Environmental Protection as defined in Section 602 of the Pennsylvania Clean Streams law. The Clean Streams law provides for up to \$10,000 per day in civil penalties, up to \$10,000 in summary criminal penalties, and up to \$25,000 in misdemeanor criminal penalties for each violation.
- 28. Only limited disturbance will be permitted to initially access and acquire borrow to construct control facilities, before general site alteration begins.
- 29. If fuel or other dangerous chemicals are stored on site, then a Preparedness, Prevention and Contingency (PPC) Plan must be developed and kept on site.
- 30. During dry and windy conditions Dust Control measures shall be implemented to suppress air-borne dust and may include sprinkling/irrigation, vegetative cover establishment, mulching, matting, tillage, stone, and spray-on chemical treatments. Refer to the PADEP Erosion & Sediment Control Manual, Appendix H, Dust Control for further information.
- 31. An erosion control blanket must be installed on all disturbed slopes steeper than 3:1 in all areas with concentrated flows as noted on the drawings.

31. Underground utilities cutting through any active channel shall be immediately backfilled and the channel restored to its original cross-section and protective lining. Any base flow within the channel shall be conveyed past the work in the manner described in this plan until such restoration is complete. 32. Fill Materials:

- a. The NPDES Permit covers the "moving, depositing, stockpiling, or storing of soil, rock, or earth materials." If the site will need to have fill imported from an off site location, the responsibility for performing environmental due diligence and the determination of clean fill will in most cases reside with the Operator. If the site will have excess fill that will need to be exported to an off site location, the responsibility of clean fill determination and the environmental due diligence rests on the applicant. If all cut and fill materials will be used on the site, a clean fill determination is not required by the operator unless there is a belief that a spill or release of a regulated substance occurred on site. The contractor is responsible for ensuring that any material brought onto the site is Clean Fill. Form FP-001 must be retained by the property owner for any fill material affected by a spill or release of a regulated substance but qualifying as Clean Fill due to analytical testing.
- b. Applicants and/or operators must use environmental due diligence to ensure that the fill material associated with this project qualifies as Clean Fill. Definitions of Clean Fill and Environmental Due Diligence are provided below. All fill material must be used in accordance with the Department's policy "Manaaement of Fill", document number 258-2182-773. A copy of this policy is available online at www.depweb.state.pa.us. Under the heading Quick Access on the left side of the screen, click on "Forms and Publications." On the left side of the screen click on "Technical Guidance Documents- Final." Then type the document number 258-2182-773 into the search window and conduct the search. Click on "Management of Fill."
- c. Clean Fill is defined as: Uncontaminated, non-water soluble, non-decomposable, inert, solid material. The term includes soil, rock, stone, dredged material, used asphalt, and brick, block or concrete from construction and demolition activities that is separate from other waste and is recognizable as such. The term does not include materials placed in or on the waters of the Commonwealth unless otherwise authorized. (The term "used asphalt" does not
- include milled asphalt or asphalt that has been processed for re-use.) d.Clean Fill affected by a spill or release of a regulated substance: Fill materials affected by a spill or release of a regulated substance still gualifies as clean fill provided the testing reveals that the fill material contains concentrations of regulated substances that are below the residential limits in Tables FP-1a and FP—1b found in the Department's policy "Management of Fill."
- e.Environmental due diligence: Investigative techniques, including, but not limited to, visual property inspections, electronic data base searches, review of property ownership, review of property use history, Sanborn maps, environmental questionnaires, transaction screens, analytical testing, environmental assessments or audits. Analytical testing is not a required part of due diligence unless visual inspection and/or review of the past land use of the property indicates that the fill may have been subjected to a spill or release of regulated substance. If the fill may have been affected by a spill or release of a regulated substance, it must be tested to determine if it gualifies as clean fill. Testing should be performed in accordance with Appendix A of the Department's policy "Management of Fill."
- f. Fill material that does not qualify as clean fill is regulated fill. Regulated fill is waste and must be managed in accordance with the Department's municipal or residual waste reaulations based on 25 Pa. Code Chapters 287 Residual Waste Management or 271 Municipal Waste Management, whichever is applicable.

TEMPORARY SEEDING SCHEDULE

The contractor shall immediately temporarily stabilize any rough graded area, topsoil stockpile or unused excavated fill material that will be left idle for less than 1 year. The grass will provide interim protection against the impact of precipitation, running water and

wind. Permanently seed any area that will be idle for more than 1 year. Temporary seeding schedule is as follows:

remporary seeding schedule is as	Tollows:
Species:	annual rye grass
% Live Seed:	98%
Application rate:	10 lbs./1,000 sq. yds.
Fertilizer type:	general purpose granular,
Fertilizer application rate:	11 lbs./l,000 sq. yds.
Liming rate:	per soil test; minimum of
Strawbale mulch rate:	1,200 lbs/l,000 sq. yds.
Seeding dates:	no seeding between 11/1 c
Mulch anchoring:	Asphalt, either emulsified o
containing no solvents or other di	
uniformly applied at the rate of 3	1 gallons per 1,000 square y
binders (chemical binders) may be	e used per manufacturer's rea

and 3/15 or cut-back, or animal life, yards. Synthetic binders (chemical binders) may be used per manufacturer's recommendation provided they are non-toxic to plant and animal species.

When seeding is not possible due to the time of year or other limitations, disturbed area shall be mulched with strawbales at the rate above. An erosion control blanket must be installed on all disturbed slopes steeper than 3:1. and all areas with concentrated flows. Matting can be North American Green 'S75' or approved equal.

PERMANENT SEEDING SCHEDULE--

All disturbed soil not to be covered with impervious surfaces, riprap or landscaping mulch shall be permanently seeded to provide protection against the impact of precipitation, running water and wind. Permanent seeding schedule for the general project area is as follows:

Species:	45% Kentucky bluegrass (50/50 var 30% Pennlawn Creeping Red Fescue 20% Norlea Perennial ryegrass
% Pure live seed: Application rate:	5% annual ryegrass 98% 6 lbs./1000 sq. ft.
Fertilizer type: Fertilizer application rate:	general purpose granular, 10-20-2 11 lbs./1000 sq. yds.
Liming rate: Seeding dates:	per soil test; minimum of 6 tons between 3/15-6/1 and 8/1-10/15

Apply all permanent seed at rates equivalent with above broadcast rates in accordance with PENNDOT 408 Sec. 805.3 in a potable water-based slurry with a Bonded Fiber Matrix hydromulch material. Care shall be taken to not spray areas unintended for seeding.

An erosion control blanket must be installed on all disturbed slopes steeper than 3:1, and all areas with concentrated flows. Matting can be North American Green 'S75' or approved equal.

A minimum of 6" of topsoil shall be placed prior to seeding.

MAINTENANCE OF TEMPORARY EROSION & SEDIMENT CONTROL FACILITIES 1. Until the site is stabilized, all erosion and sediment control BMPs must be maintained properly. Responsibility for implementing and maintaining erosion and sedimentation control measures shall be designated to a minimum of one individual who will be present at the project site each working day. Maintenance must include inspections of all erosion and sediment control BMPs after each runoff event and on a weekly basis, to ensure that they are in place, stable, and functioning properly. All preventative and remedial maintenance work, including clean out, repair, replacement, re-grading, reseeding, re-mulching, and re-netting must be performed immediately, to restore the control measure to the original design. If erosion and sediment control BMPs fail to perform as expected, replacement BMPs. or modifications of those installed, will be required. 2. A log showing dates that E & S 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 regulatory agency officials at the time of inspection. 3. Any sediment removed from BMPs during construction will be returned to upland areas within the project area, and incorporated into the site grading, or in the manner described on the plan drawings. 4. See the construction details and seeding specifications for maintenance procedures for the various control measures.

. Mud must be removed from vehicle tires before they exit the site. Sediment tracked onto any public roadway or sidewalk shall be returned to the construction site by the end of each work day and disposed in the manner described in this plan. In no case shall the sediment be washed, shoveled, or swept into any roadside ditch, storm sewer or surface water.

10-20-20 of 4 tons per acre.

ariety mix)

20

per acre

STAGING OF EARTH MOVING ACTIVITIES

- General Notes: 1. A licensed professional or a designee shall be present on site during construction of the following critical stages of implementation of the approved PCSM plan: A. Storm Basin #1 Soil Amendments
- 2. At least 3 days before starting any earth disturbance activities, all contractors involved in those activities shall notify the Pennsylvania One Call system Incorport at 1-800-242-1776 for the location of existing underground utilities.
- 3. All earth disturbance activities shall proceed in accordance with the following specific sequencing. Each stage shall be completed and immediately stabilized before any following stage is initiated. Clearing, grubbing and topsoil stripping shall be limited only to those areas described in each stage. Any deviation from the following sequence must be approved in writing from the Cumberland County Conservation District.
- 4. Immediately upon discovering unforeseen circumstances posing the potential for accelerated erosion and/or sediment pollution, the operator shall implement appropriate best management practices to eliminate the potential for accelerated erosion and/or sediment pollution.
- 5. At least 7 days before starting any earth disturbance activities, the owner and/or operator shall invite all contractors involved in those activities, the landowner, appropriate municipal officials, and a representative of the Cumberland County Conservation District to an on-site pre-construction meetina.
- 6. Immediately after earth disturbance activities cease, the operator shall stabilize the disturbed areas. During non-germinating periods, mulch must be applied at specified rates. Disturbed areas which are not at finished grade and which will be re-disturbed within 1 year must be stabilized in accordance with the tempore seeding vegetative stabilization specifications. Disturbed areas which are not at final grade or which will not be re-disturbed within 1 year must be stabilized in accordance with the permanent seeding vegetative stabilization specifications.
- 7. All pumping of sediment laden water shall be through a sediment control BMP, such as a pumped water filter bag or equivalent sediment removal facility, over undisturbed vegetated areas.
- 8. Upon temporary cessation of an earth disturbance activity or any stage or phase of an activity where a cessation of earth disturbance activities will exceed 4 do the site shall be immediately seeded, mulched, or otherwise protected from accelerated erosion and sedimentation pending future earth disturbance activities.

Specific Staging of Earthmoving Activities:

- 1. Field mark the limits of disturbance.
- 2. Bring site to final sub-grade elevation in the area of the Stabilized Construction Entrance and install Stabilized Construction Entrance

3. Install Sediment Barriers #1 and #2.

4. Bring site to subgrade, constructing Sediment Basin as first priority. Use lightest equipment as practical during the construction of the Sediment Trap as this w be used as an infiltration basin during the Post Construction Stormwater Management state. Permanent slopes of 3:1 or greater require temporary N.A.G. S75 matting or equivalent. Permanently seed and mulch slopes as soon as they are to final grade. Delay Amended Soils and basin sub-drain until rest of site is complete and stabilize and ready for final PCSM conversion.

5. Install cleanout marker stake in Sediment Basin.

- 6. Install basin discharge pipe, rock apron, and level spreader. Delay permanent Stormwater Basin Discharge Structure until site is stabilized and ready for conversion to final PCSM condition.
- 7. Install Temporary Riser for Sediment Trap and associated dewatering facility and trash rack.
- 8. Install Sediment Barriers 3, 4, 5, 6, 7 & 8.

9. Install stormwater structures, rock aprons, storm sewers, and associated inlet protection.

10. Install perforated pipe and stone Underground Interceptor Channel and install inlet protection. Maintain Sediment barriers and inlet protection to prevent sediment-laden runoff from entering and clogging stone.

11. Begin Building Construction.

12. Install water service. Install sanitary sewer pump station lateral, & force main.

13. Install curb

14. Install stone base at parking lot, access drive, walkways concrete pads.

15. Complete construction of buildings, and concrete/ asphalt paving.

16. Permanently seed and mulch remaining lawn areas.

17. Install proposed landscaping.

Conversion to PCSM

*- Item requires on-site observation by designated professional during installation.

1. Temporary control measures can only be removed when the watershed draining to the measure is permanently stabilized and removal is authorized by the Cumberland County Conservation District. Permanently stabilized is defined as a minimum uniform 70% perennial vegetative cover or other permanent non-vegeta cover with a density capable to resist accelerated surface erosion, and subsurface characteristics sufficient to resist sliding and other movements. The location the control measure must be immediately permanently stabilized upon its removal. All areas to be permanently seeded shall have a minimum depth of 6" of topsoil before seeding.

2. *Install Amended Soils

- 3. Convert Discharge structure to permanent condition.
- Upon completion of all earth disturbance activities and permanent stabilization of all disturbed areas, the owner and/or operators shall contact the Cumberland County Conservation District for an inspection prior to the removal/conversion of the E&S BMP's.
- 5. Upon approval from the Cumberland County Conservation District, Sediment Basin 1 shall be converted to the permanent condition as indicated on the PCSM pla Sediment Basin shall be dewatered and any baffles and cleanout stakes shall be removed. The permanent emergency spillway associated with Storm Basin 1 sha modified and outlet structure converted to permanent condition. All sediment deposited within storm sewers shall be removed prior to converting the sediment basin. Remove an additional 24" below the proposed basin bottom, replace with a 2:1 soil to compost mix and till up to 20". Install underdrain as shown on PC Plan and Profile. Permanently seed and mulch as required.
- 6. Upon approval from the Cumberland County Conservation District, all silt barriers shall be properly removed.
- 7. Upon completion of all earth disturbance activities, removal of all temporary BMPs, installation of all permanent PCSM BMPs, and permanent stabilization of all disturbed areas, the owner and/operators shall contact the Cumberland County Conservation District for a final inspection.

	SPECIALTY SEEDING SCHEDULES: NATIVE STEEP SLOPE MIX W/ANNUAL RYEGRASS	DATE 06/23/2023 06/14/2023 11/28/23 1/31/24 2/28/24 N.C.
:: orated efore er, all	 (APPLY TO ALL 3:1 OR STEEPER SLOPES including 2:1 STORM BASIN SLOPES) Mix Composition 31.1% Sorghastrum nutans, New England 2 Ecotype (Indiangrass, New England 2 Ecotype) 20.0% Lolium multiflorum (Annual Ryegrass) 14.0% Andropogon gerardii, 'Niagara' (Big Bluestem, 'Niagara') 10.0% Elymus virginicus, 'Madison' (Virginia Wildrye, 'Madison') 7.0% Elymus canadensis (Canada Wildrye) 4.0% Agrostis perennans, Albany Pine Bush-NY Ecotype (Autumn Bentgrass, Albany Pine Bush-NY Ecotype) 4.0% Panicum virgatum, 'Carthage', NC Ecotype (Switchgrass, 'Carthage', NC Ecotype) 3.0% Panicum clandestinum, Tioga (Deertongue, Tioga) 1.5% Echinacea purpurea (Purple Coneflower) 1.3% Chamaecrista fasciculata, PA Ecotype (Partridge Pea, PA Ecotype) 1.2% Heliopsis helianthoides, PA Ecotype (Oxeye Sunflower, PA Ecotype) 1.0% Coreopsis lanceolata (Lanceleaf Coreopsis) 	REVISION D TWP EVISION 06/ TWP FIRE MARSHALL & STAFF MTG 06/ Y RADII, NO OFF ESMT, VERT. CURB 11 Y RADII, NO OFF ESMT, VERT. CURB 11 SITE REVISIONS 1/ Neighbors Mtg & BOC concerns 2/ SHT @ 2021 BY RJ. FISHER & ASSOCIATES, INC.
at the prary in days	 1.0% Rudbeckia hirta (Blackeyed Susan) 0.3% Monarda fistulosa, Fort Indiantown Gap-PA Ecotype (Wild Bergamot, Fort Indiantown Gap-PA Ecotype) 0.2% Asclepias syriaca (Common Milkweed) 0.2% Solidago rugosa, PA Ecotype (Wrinkleleaf Goldenrod, PA Ecotype) 0.1% Aster lateriflorus (Calico Aster) 0.1% Aster pilosus, PA Ecotype (Heath Aster, PA Ecotype) 	NO. 1 2 TWP FIRE 3 30' RADII, 4 5 Neighb 5 COPYRIGHT @ 20
days, will sion	Hern Number: ERNMX-181 Height: 1.0 – 6.3 Ft Seeding Rate: 60 lb per acre, or 1.5 lb per 1,000 sq ft EXTENTION BASIN FLOOR MIX – LOW MAINTENANCE (APPLY TO BOTTOM OF STORMWATER BASIN) Mix Composition 20.0% Paricum dandestinum, Tioga (Deertongue, Tioga) 20.0% Paricum dandestinum, Tioga (Deertongue, Tioga) 10.0% Optimitiera (Creeping Bentgrass) 15.0% Poa palustris (Fowl Bluegrass) 15.0% Poa palustris (Fowl Bluegrass) 15.0% Orarex vulpinoidea, PA Ecotype (Fox Sedge, PA Ecotype) 1.0% Carex scoparia, PA Ecotype (Blunt Broom Sedge, PA Ecotype) 1.0% Carex scoparia, PA Ecotype (Blunt Broom Sedge, PA Ecotype) 1.0% Garex scoparia, PA Ecotype (Blunt Broom Sedge, PA Ecotype) 1.0% Garex scoparia, PA Ecotype (Blunt Broom Sedge, PA Ecotype) 1.0% Garex scoparia, PA Ecotype (Blunt Broom Sedge, PA Ecotype) 1.0% Garex scoparia, PA Ecotype (Blunt Broom Sedge, PA Ecotype) 1.0% Garex scoparia, PA Ecotype (Blunt Broom Sedge, PA Ecotype) 1.0% Juncus effusus (Soft Rush) Hern Number: ERNMX-126 Seeding Rate: 20-40 lbs per acre, or 0.5-1 lb/1,000 sq ft with a cover crop. For a cover crop to a dom of the following: grain rup (1 Sep to 30 Apr; 30 lbs/acre), Japanese millet (1 May to 31 Aug; 10 lbs/acre), or barnyard grass (1 May to 31 Aug; 10 lbs/acre).	R. J. FISHER & ASSOCIATES, INC. SITE PLANING © CIVIL ENGINEERING © LAND SURVEYS I546 BRIDGE STREET, NEW CUMBERLAND, PA. 17070 PHONE: (717) 774-7534 © FAX: (717) 774-7190 R J F I S H E R G I N E E R I N G . C O M
tative on of d lan. iall be t PCSM		E&S CONTROL DETALS FOR 2509 MILL ROAD TOWNHOMES IDEATED IN IDEATED INFININA IN IDEATED IN IDEATED IN IDEATED I
		DRAWING ID: 221013-3-LD PROJECT: 221013 DATE: 04/25/2022 SHEET: 21 of 21