

Existing Conditions Legend

- Existing 100 Year Floodplain
- Existing Adjacent Property Line
- Existing Benchmark
- Existing Boundary Line
- Existing Building Setback Line
- Existing Street Centerline
- Existing Curly Edge of Pavement
- Existing Drainage Area
- Existing Minor Contour
- Existing Major Contour
- Existing Edge of Pavement
- Existing Fence
- Existing Guideline
- Existing Hailbox
- Existing Property Line Marker
- Existing Concrete Monument
- Existing Paint Line
- Existing Right-of-Way
- Existing Railroad Crossing Sign
- Existing Sign
- Existing Soils Boundary
- Existing Stream
- Existing Deciduous Tree
- Existing Coniferous Tree
- Existing Sidewalk
- Existing Treenline
- Existing Underground Cable, Telephone
- Existing Communications Box
- Existing Vertical Box
- Existing Underground Cable
- Existing Underground Electric, Cable
- Existing Underground Electric, Telephone
- Existing Electric Easement
- Existing Underground Electric
- Existing Underground Electric Transformer
- Existing Underground Electric, Telephone
- Existing Gas Main, Valve
- Existing Gas Easement
- Existing Gas Lateral, Service Shut-off
- Existing Overhead Utility Wire, Utility Pole, Guy Wire, Guy Wire
- Existing Sanitary Sewer Line, MH
- Existing Sanitary Sewer Easement
- Existing Sanitary Lateral
- Existing Force Main
- Existing Storm Sewer Line, Inlet, MH
- Existing Storm Sewer Easement
- Existing Underground Telephone
- Existing Utility Easement
- Existing Water Main, MH, Hydrant, Valve
- Existing Water Lateral, Meter, Service Shut-off
- Existing Water Easement
- Existing Wetlands
- Existing 15%-25% Slopes
- Existing 25%+ Slopes

CURVE TABLE

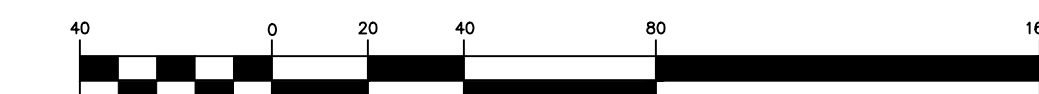
Existing Boundary Curve Table				
Curve #	Radius	Length	Chord Bearing	Chord
C1	200.00	40.07	N27° 29' 04"E	40.00
C2	49.96	146.27	N09° 25' 17"E	99.35

SOILS TABLE

SOIL SYMBOL	SOIL DESCRIPTION	SLOPE (%)	HYDROLOGIC SOIL GROUP	DEPTH TO BEDROCK PER SOIL SURVEY	DEPTH TO SEASONAL HIGH WATER TABLE PER SOIL SURVEY
At	Atkins Silty Loam	0 to 3	B/D	60" to 99"	0' to 12"
BnC2	Berk's Channery Silty Loam	8 to 15	B	36"	> 79"
BkS2	Berk's Shaly Silty Loam	3 to 8	B	34"	> 79"
BkS2	Berk's Shaly Silty Loam	3 to 8	C/D	40" to 72"	0' to 6"
WkE2	Wickert Shaly Silty Loam	25 to 40	D	17"	> 79"

GEOLOGIC INFORMATION:
THE FIELD SITE IS UNDERLAIN BY THE HARBURG SEQUENCE ROCKS FORMATION.
THIS FORMATION CONSISTS PRIMARILY OF SHALE, SILTSTONE AND GRAWACKE.

GRAPHIC SCALE



(IN FEET)
1 inch = 40 ft.

NO.	REVISION	DATE
1	TOWNSHIP COMMENTS	05/06/22
2	TOWNSHIP COMMENTS	06/24/22
3		
4		
5		

R. J. FISHER & ASSOCIATES, INC.
SITE PLANNING & CIVIL ENGINEERING & LAND SURVEYS
1546 BRIDGE STREET, NEW CUMBERLAND, PA. 17070
PHONE: (717) 774-7534 & FAX: (717) 774-7190
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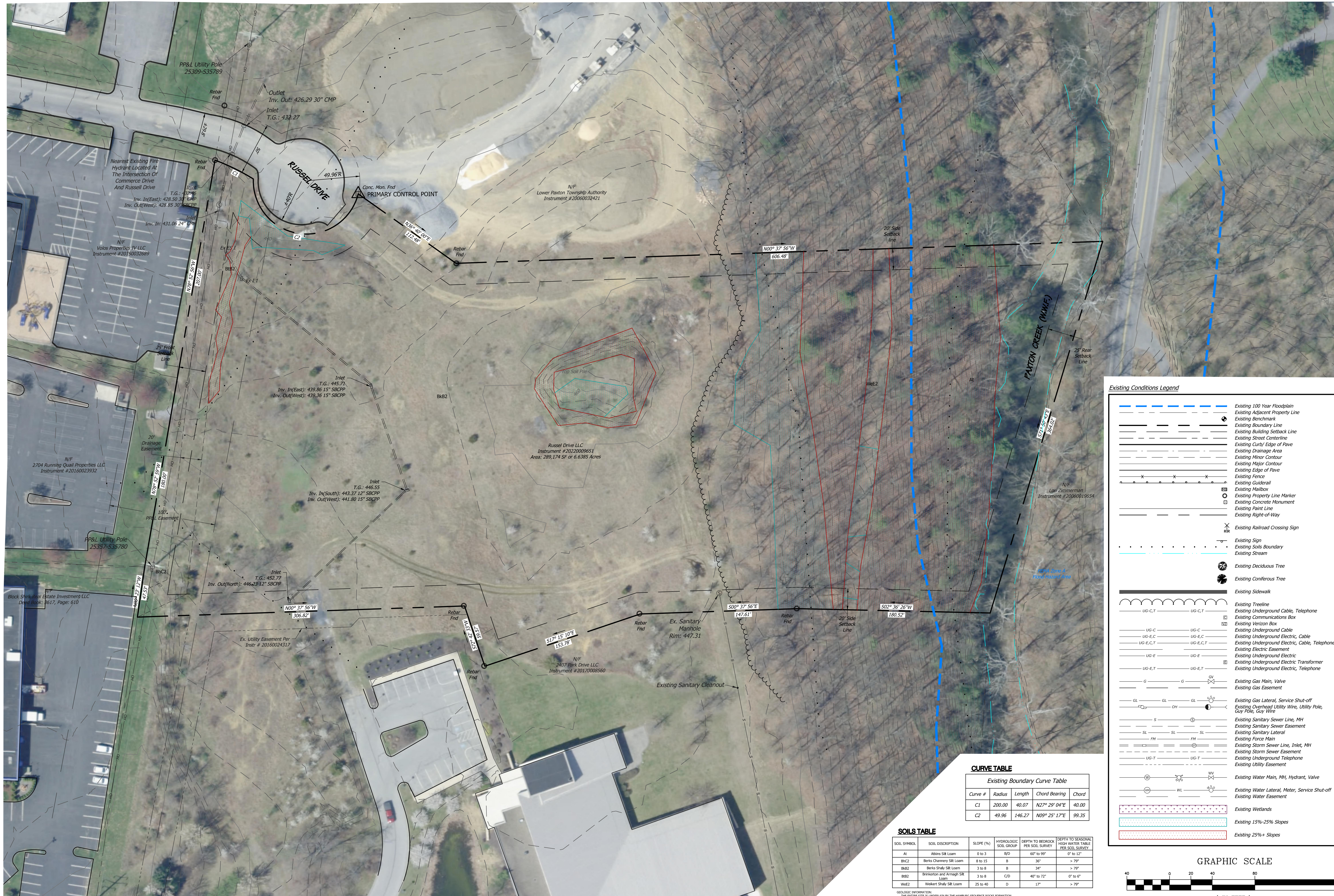
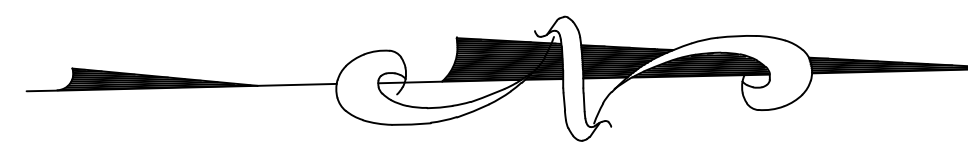
EXISTING CONDITIONS PLAN
FOR
RUSSEL DRIVE LOT 2
LOCATED IN
SUSQUEHANNA TOWNSHIP, DAUPHIN COUNTY, PA

DRAWING ID: 222012-EXC

PROJECT: 222012

DATE: 4/8/2022

SHEET: 2 OF 15



Existing Conditions Legend

- Existing 100 Year Floodplain
- Existing Adjacent Property Line
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- Existing Underground Electric, Cable
- Existing Underground Electric, Telephone
- Existing Electric Easement
- Existing Underground Electric
- Existing Underground Electric Transformer
- Existing Gas Main, Valve
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- Existing Overhead Utility Wire, Utility Pole, Guy Wire, Guy Wire
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- Existing Wetlands
- Existing 15%-25% Slopes
- Existing 25%+ Slopes

CURVE TABLE

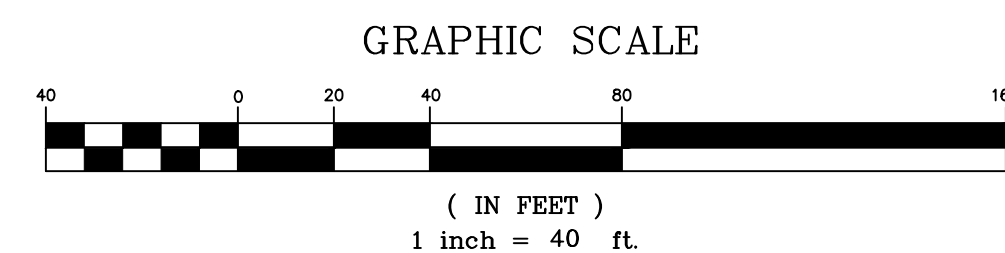
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BnC2	Berks Channery Silty Loam	8 to 15	B	36"	> 79"
Bb2	Berks Shaly Silty Loam	3 to 8	B	36"	> 79"
Bb2	Brimkerton and Armagh Silty Loam	3 to 8	C/D	40" to 72"	0' to 6"
WbE2	Wickett Shaly Silty Loam	25 to 40	D	17"	> 79"

GEOLOGIC INFORMATION:
THE ENTIRE SITE IS UNDERLAIN BY THE HARBURG SEQUENCE ROCKS FORMATION. THIS FORMATION CONSISTS PRIMARILY OF SHALE, SILTSTONE AND GRAWACKE.



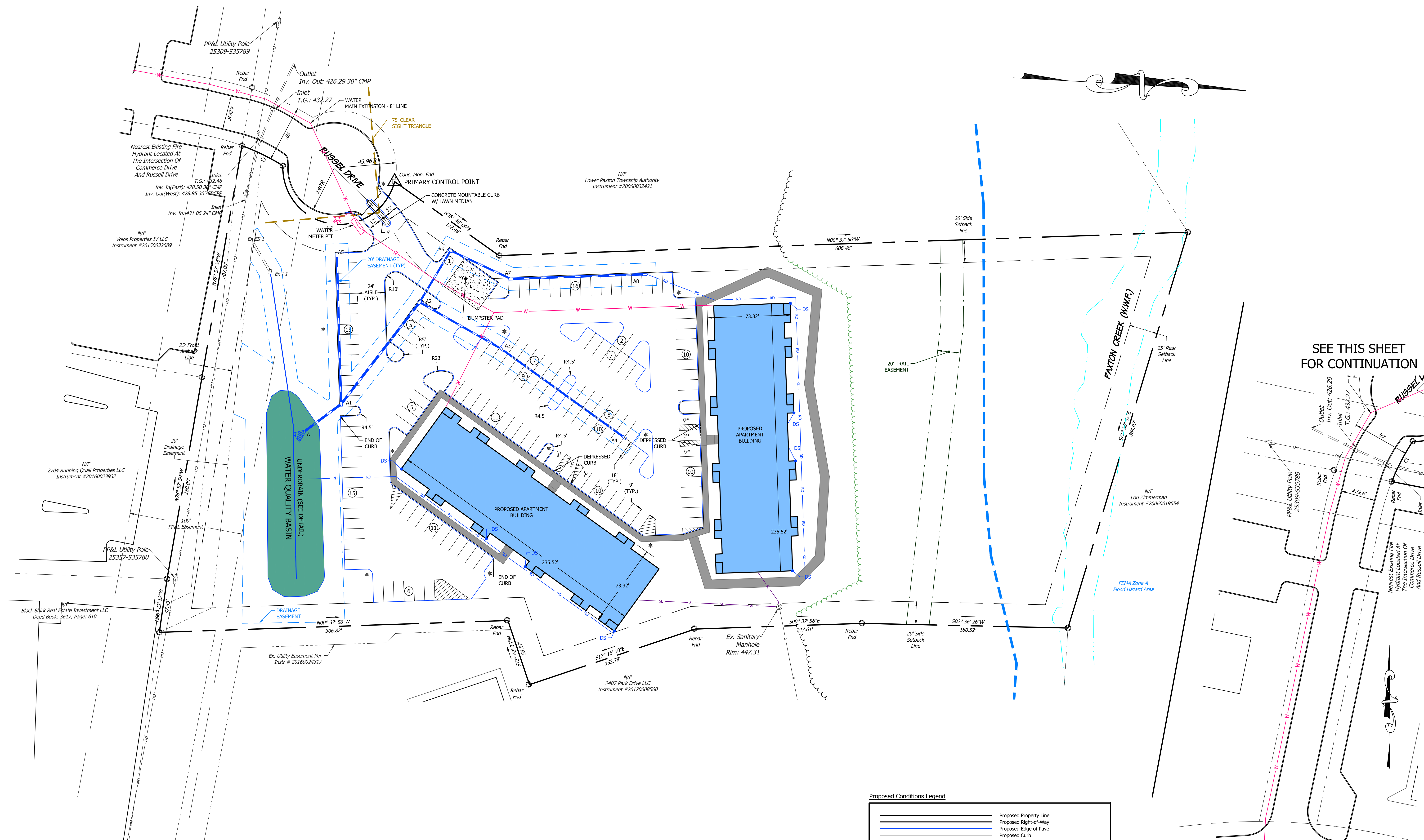
NO.	REVISION	DATE
1	TOWNSHIP COMMENTS	05/06/22
2	TOWNSHIP COMMENTS	06/24/22
3		
4		
5		

R. J. FISHER & ASSOCIATES, INC.
 SITE PLANNING • CIVIL ENGINEERING • LAND SURVEYS
 1546 BRIDGE STREET, NEW CUMBERLAND, PA. 17070
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 RJFISHERENGINEERING.COM



EXISTING CONDITIONS PLAN
 FOR
RUSSEL DRIVE LOT 2
 LOCATED IN
 SUSQUEHANNA TOWNSHIP, DAUPHIN COUNTY, PA

DRAWING ID: 222012-EXC
 PROJECT: 222012
 DATE: 4/8/2022
 SHEET: 3 OF 15

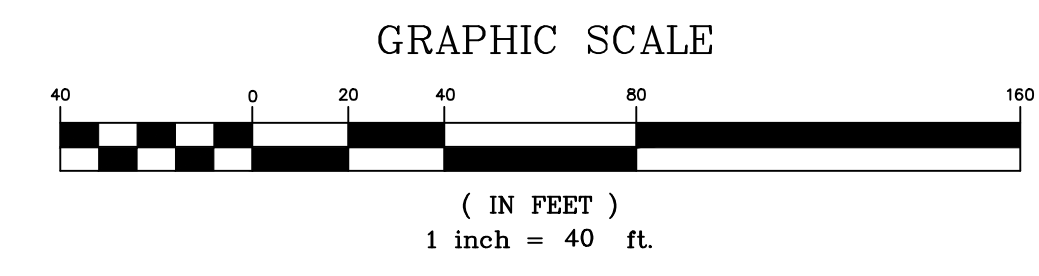
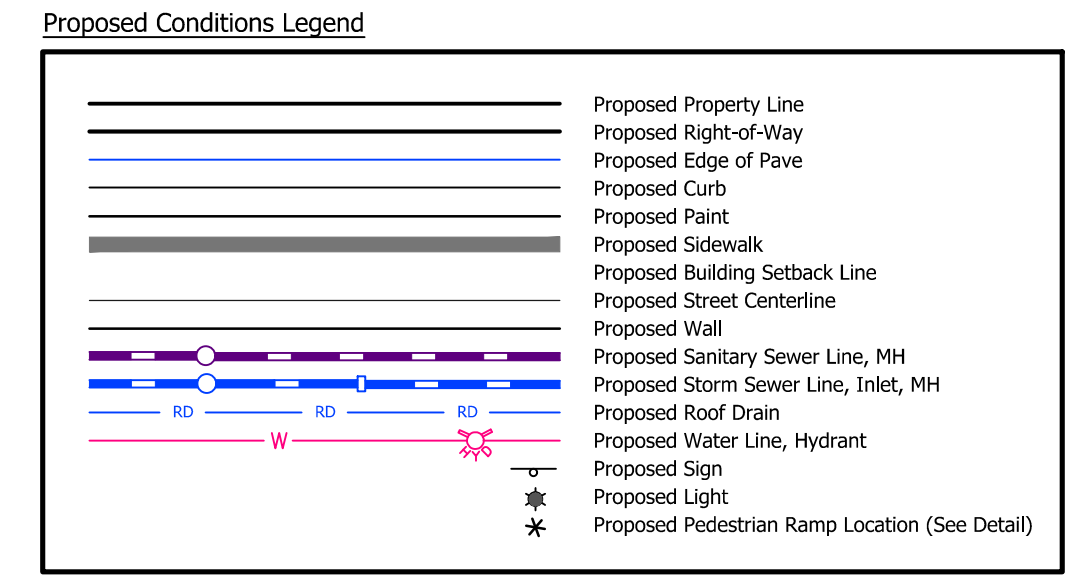


SEE THIS SHEET FOR CONTINUATION

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CURVE TABLE

Existing Boundary Curve Table			
Curve #	Radius	Length	Chord Bearing
C1	200.00	40.07	N22° 29' 04"E 40.00
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NO.	REVISION	DATE
1	TOWNSHIP COMMENTS	05/06/22
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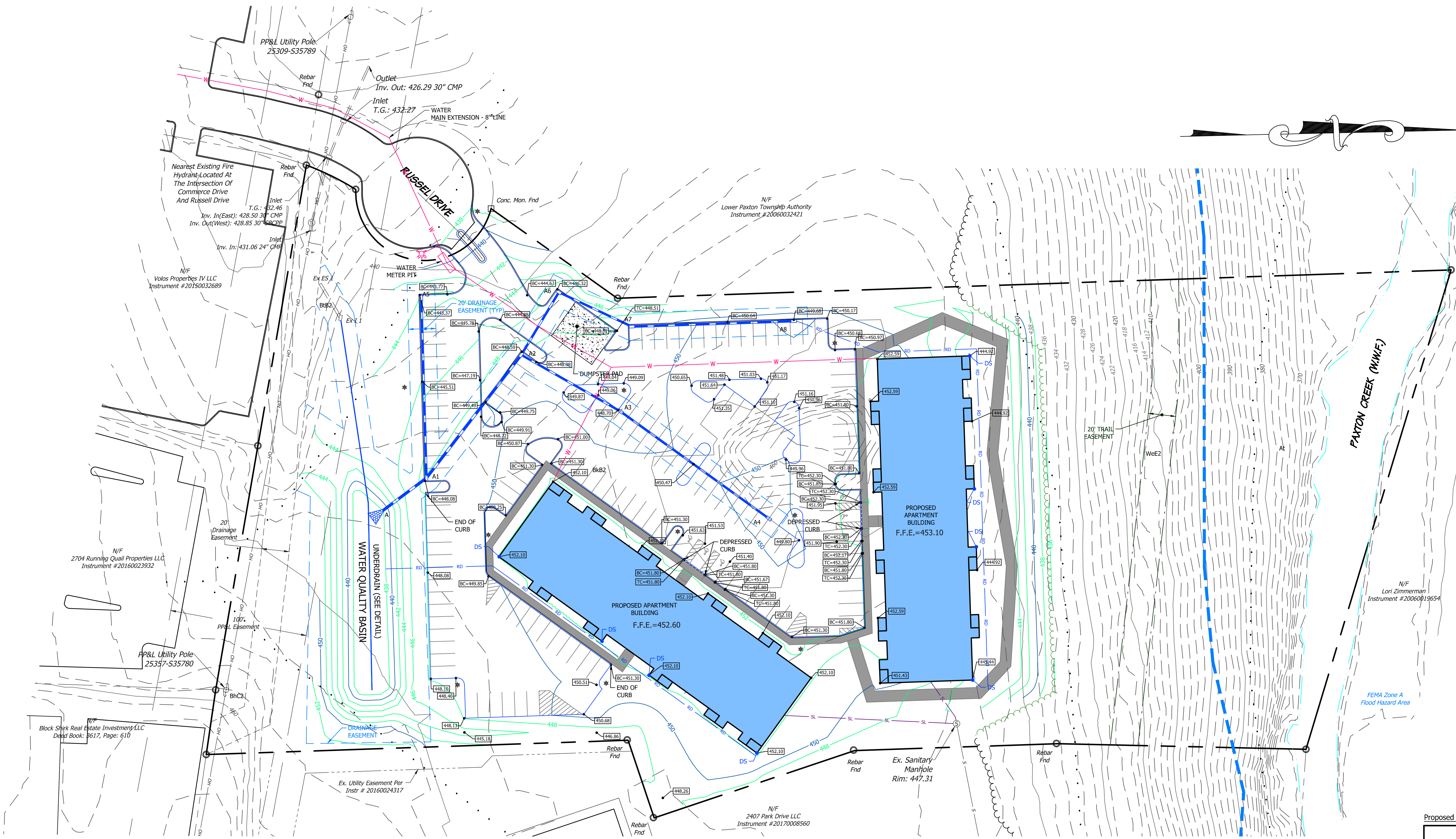
R. J. FISHER & ASSOCIATES, INC.
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LAND DEVELOPMENT PLAN
 FOR
RUSSEL DRIVE LOT 2
 LOCATED IN
 SUSQUEHANNA TOWNSHIP, DAUPHIN COUNTY, PA

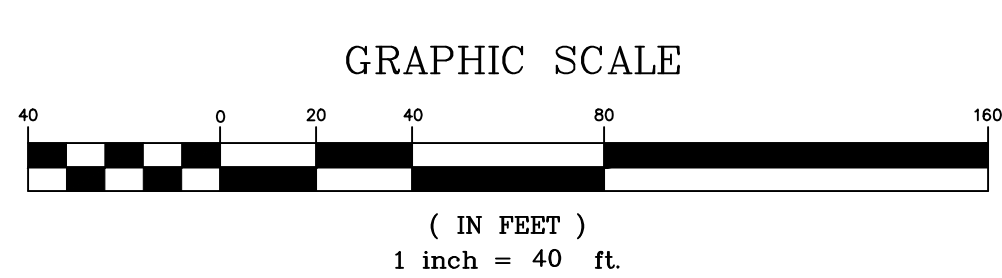
DRAWING ID: 222012-LDP
 PROJECT: 222012
 DATE: 4/8/2022
 SHEET: 4 OF 15

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Proposed Conditions Legend

	Proposed Right-of-Way
	Proposed Edge of Pavement
	Proposed Curb
	Proposed Sidewalk
	Proposed Retaining Wall
	Proposed Sanitary Sewer Line, Inlet, MH
	Proposed Storm Sewer Line, Inlet, MH
	Proposed Water Line, Hydrant
	Proposed Minor Contour
	Proposed Major Contour
	Limit of Disturbance/PPDES Boundary
	NPDES Boundary
	Proposed Roof Drain
	Proposed Sign
	Proposed Light
	Proposed Pedestrian Ramp Location (See Detail)
	Proposed Rip-Rap Apron (See Detail)
	Proposed Spot Elevation



NO.	REVISION	DATE
1	TOWNSHIP COMMENTS	05/06/22
2	TOWNSHIP COMMENTS	06/24/22
3		
4		
5		

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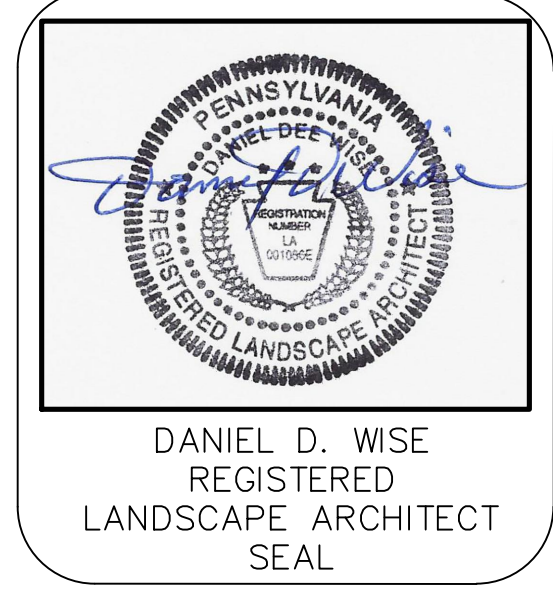
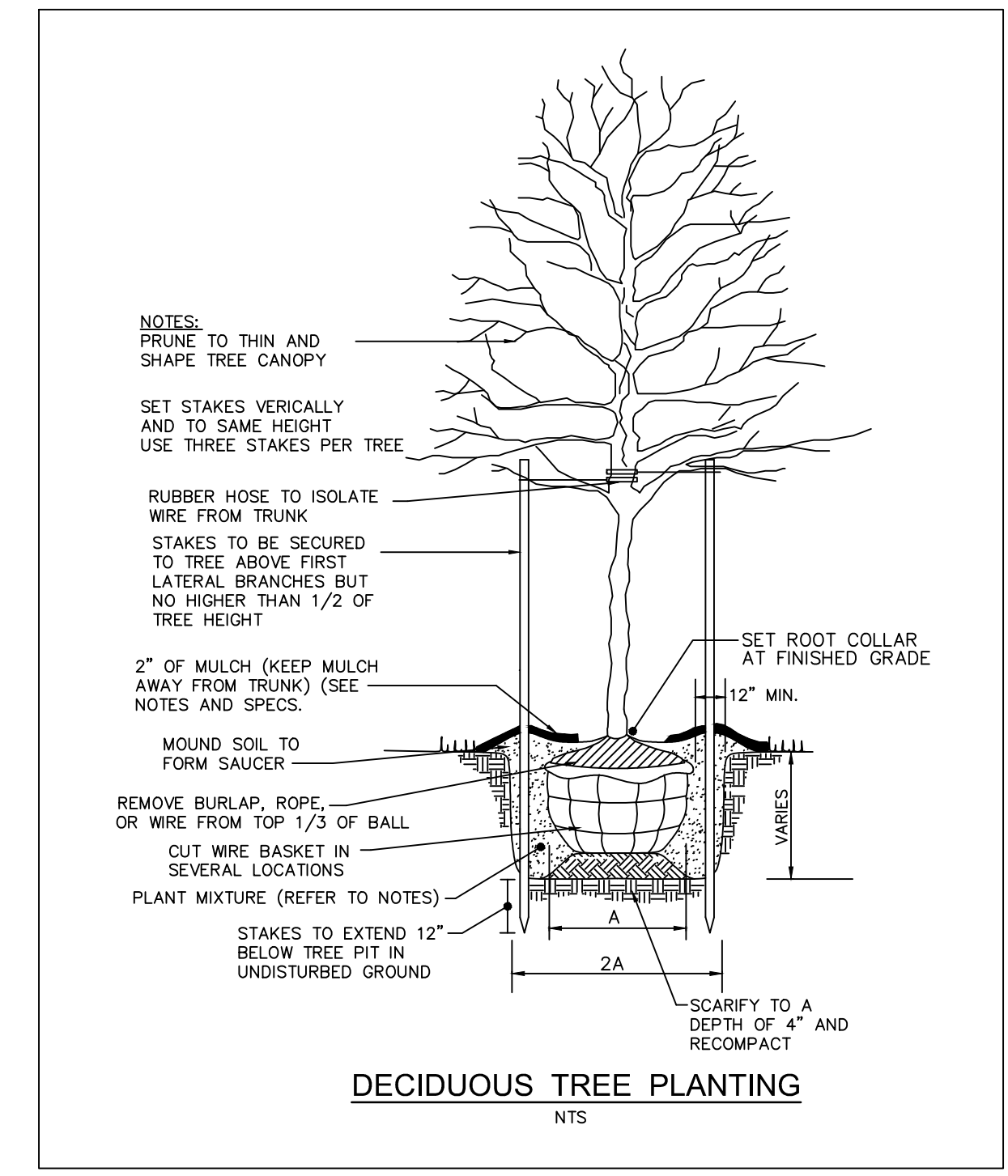
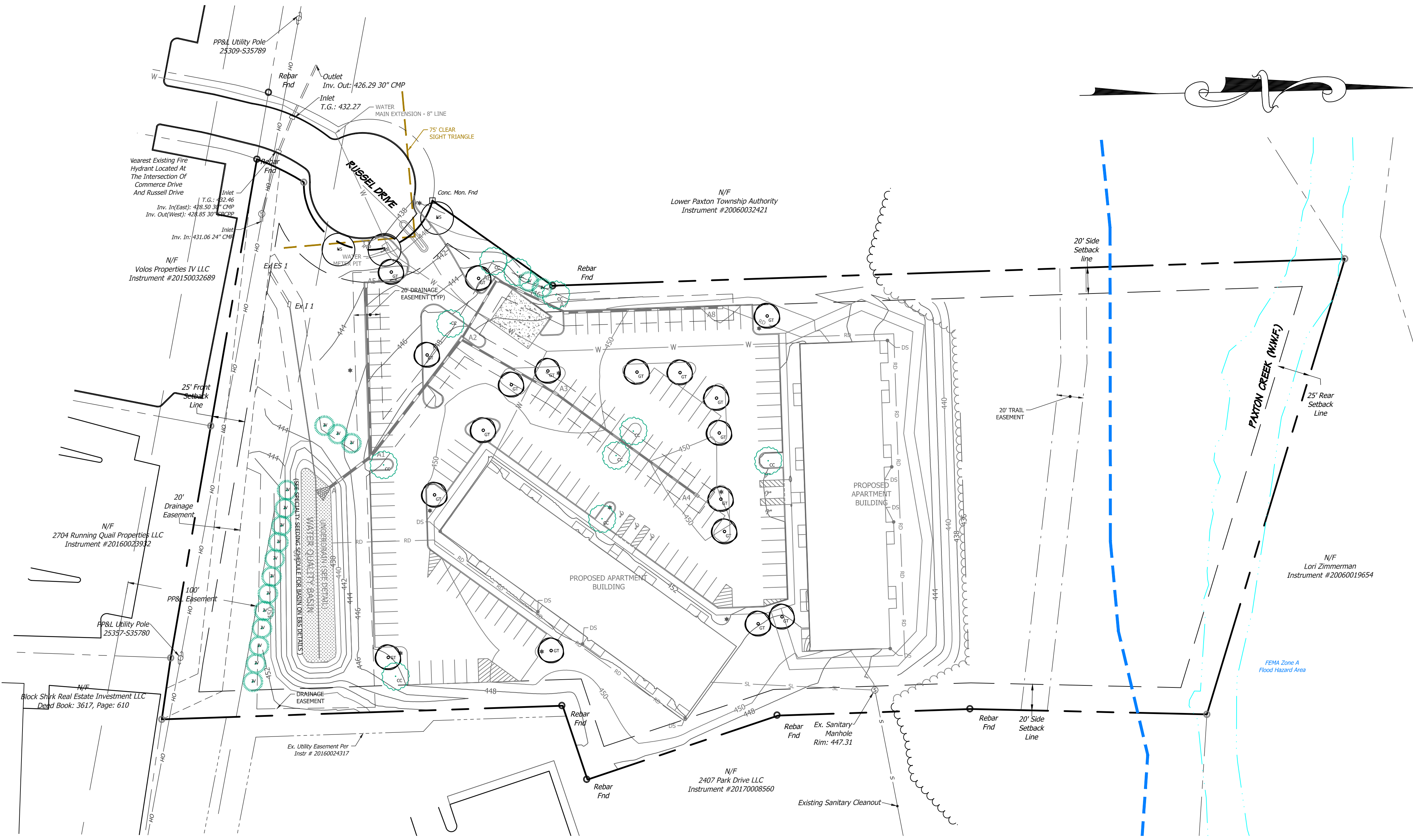


GRADING & PCSM PLAN
 FOR
RUSSEL DRIVE LOT 2
 LOCATED IN
 SUSQUEHANNA TOWNSHIP, DAUPHIN COUNTY, PA

DRAWING ID:	222012-GRD-PCSM
PROJECT:	222012
DATE:	4/8/2022
SHEET:	5 OF 15

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 DATE: 04/08/2022 10:23:43 AM
 USER: JFISHER



PLANTING SCHEDULE FOR STREET TREES
STREET TREES PER S&LD SEC. 22-1009.3., 22-1109 & ZO SEC. 27-2106.5.E: 1 TREE @ 40' INTERVALS

SYMBOL	ID	QUANTITY	BOTANICAL NAME	COMMON NAME	PLANTING SIZE/ CONDITIONS	MATURE SIZE / GENERAL TYPE	NATIVE (N)
NS		3	NYSSA SYLVATICA	BLACKGUM		40' W. X 50' H. DECIDUOUS TREE	N

PLANTING SCHEDULE FOR PARKING LOT
Z.O. 27-2306. LANDSCAPE CRITERIA: 1 SHADE TREE/ 15 spaces = 62 spaces /15 = 4.2~ 5 TREES MIN., OR 1 TREE PER ISLAND whichever more.

SYMBOL	ID	QUANTITY	BOTANICAL NAME	COMMON NAME	PLANTING SIZE/ CONDITIONS	MATURE SIZE / GENERAL TYPE	NATIVE(N)
GT		18	GLEDITSIA TRIACANTHOS 'STREETKEEPER'	STREETKEEPER HONEY LOCUST	2 to 2-1/2" CAL. B&B	20'W. X 45'H. DECIDUOUS TREE	N
CC		8	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	2 to 2-1/2" CAL. B&B	20' W. X 30' H. DECIDUOUS TREE	N

PLANTING SCHEDULE FOR SCREEN PLANTING
Z.O. 27-2106.5.F.1 LANDSCAPE CRITERIA: SCREENING FOR STORMWATER MANAGEMENT FACILITIES ADJACENT TO DISSIMILAR USE Z.O. 27-2106-5.D.4. DUMPSTER SCREENING, 1 SHADE TREE / 40 L.F. & 1 EVERGREEN TREE / 50 L.F.

SYMBOL	ID	QUANTITY	BOTANICAL NAME	COMMON NAME	PLANTING SIZE/ CONDITIONS	MATURE SIZE / GENERAL TYPE	NATIVE (N)
JV		17	JUNIPERUS VIRGINIANA	EASTERN REDCEDAR	6'H. B&B, 13' O.C.	20'W. X 45'H. EVERGREEN TREE	N
CC		2	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	2 to 2-1/2" CAL. B&B	20' W. X 30' H. DECIDUOUS TREE	N

NATIVE REFERS TO GENUS AND SPECIES NOT CULTIVARS OR HYBRIDS

GENERAL LANDSCAPE NOTES:

- ALL DISTURBED SOIL AREAS NOT INDICATED TO BE COVERED WITH BUILDINGS, PAVING OR PLANTING BEDS SHALL BE PERMANENTLY SEEDED AND MAINTAINED WITH TURFGRASS.
- IF THERE IS A PLANTING CONFLICT WITH ADJACENT IMPROVEMENTS (BUILDINGS, PAVEMENTS, LIGHTS, ETC.) UTILITIES, BEDROCK, EXISTING TREE ROOTS, POOR DRAINAGE AREA, OR OTHER OBSTACLE TO PLANTING, THE CONTRACTOR SHALL ADJUST THE TREE SPACING AND/OR ARRANGEMENT TO COMPLETE THE PLANTING IN ACCORDANCE WITH THE LANDSCAPE DESIGN INTENT.
- ALL PLANTING AREAS, INCLUDING TURFGRASS AREAS, SHALL RECEIVE A MINIMUM OF 4" TOPSOIL BEFORE PLANTING.
- NO TREES SHALL BE PLANTED WITHIN 10 FEET OF ANY SANITARY SEWER MAIN.
- DURING CONSTRUCTION, NO CLEARING SHOULD BE PERMITTED ON A SITE BEYOND THE MINIMAL NECESSARY FOR THE SPECIFIC CONSTRUCTION ACTIVITY TO BE UNDERTAKEN.
- NO CONSTRUCTION ACTIVITY, GRADING OR DISTURBANCE SHALL BE PERMITTED BEYOND THE LIMIT OF DISTURBANCE LINE.
- LIMIT OF DISTURBANCE LINES SHALL BE CLEARLY NOTED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. THE LINES MAY BE INDICATED BY USE OF SNOW FENCING, FLAGGED STAKES OR OTHER MEANS ACCEPTABLE TO THE TOWNSHIP FOR THE SPECIFIC CONDITION OR FEATURE TO BE PROTECTED. THE LINES SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION ACTIVITY.

CONSTRUCTION NOTES:

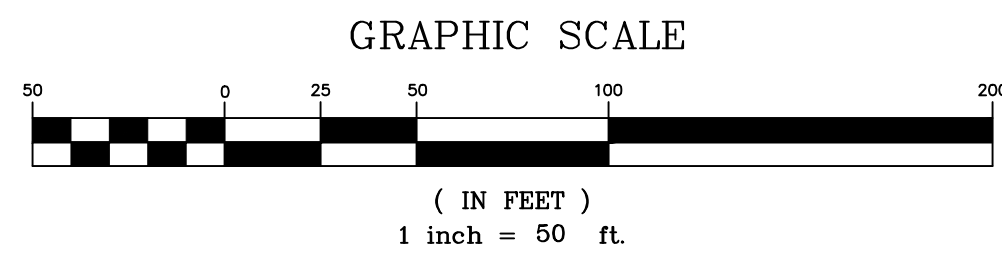
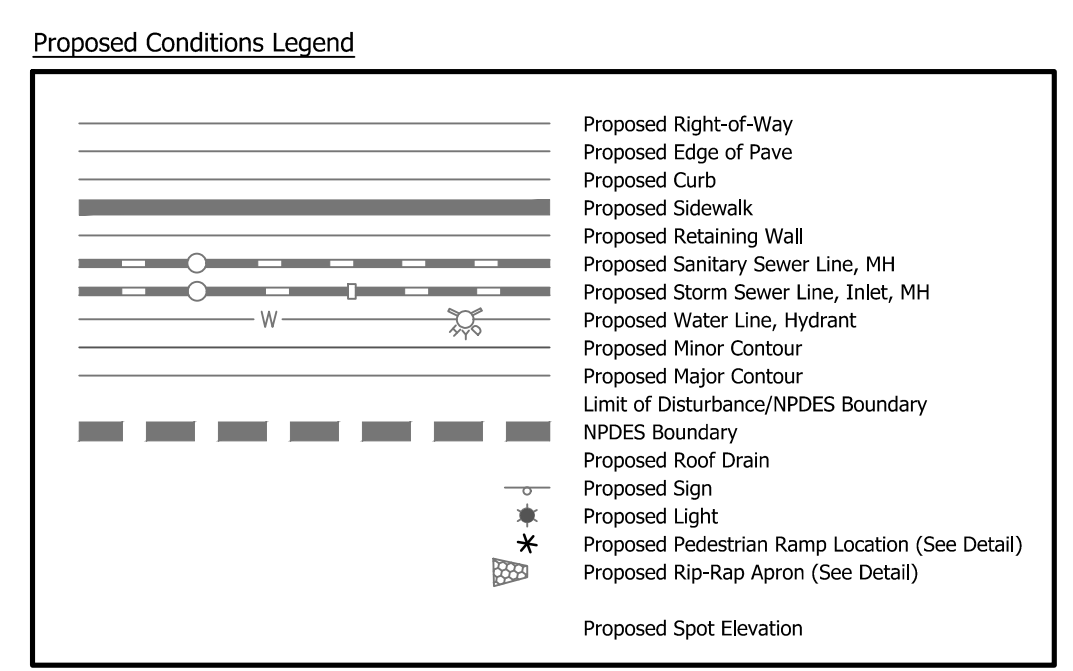
- DURING CONSTRUCTION, NO CLEARING SHALL BE PERMITTED BEYOND THAT MINIMALLY NECESSARY FOR THE SPECIFIC CONSTRUCTION ACTIVITY TO BE UNDERTAKEN.
- NO CONSTRUCTION ACTIVITY, GRADING OR DISTURBANCE SHALL BE PERMITTED BEYOND THE LIMIT OF THE DISTURBANCE LINE. THE LIMIT OF DISTURBANCE LINES SHALL BE CLEARLY MARKED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, BY USE OF SNOW FENCING, SILT FENCE, OR PLASTIC ORANGE CONSTRUCTION FENCE. THE LIMIT OF DISTURBANCE FENCE LINES SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION ACTIVITY.
- ALL NEW PLANTS SHALL BE HEALTHY, FREE OF DISEASE AND PEST INFESTATION, SIZED AND ROOTED IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1, LATEST EDITION.
- IF QUANTITIES OF TREES OR SHRUBS SHOWN ON THE PLAN DIFFER FROM THOSE LISTED IN PLANTING SCHEDULE, QUANTITIES SHOWN ON THE PLAN SHALL GOVERN.

SHORT TERM LANDSCAPE MAINTENANCE PLAN:

- (FOR 18 MONTHS FOLLOWING INSTALLATION OR MAINTENANCE BOND ISSUANCE WHICHEVER IS LONGER)
- THE LANDSCAPE CONTRACTOR AND/OR LOT OWNER SHALL BE RESPONSIBLE FOR WATERING PLANT MATERIAL AND LAWN AREAS BEFORE, DURING AND AFTER INSTALLATION FOR THE DURATION OF THE WARRANTY PERIOD.
 - LAWN AREAS SHALL BE WATERED ONCE WEEKLY DURING DRY PERIODS OF THE FIRST GROWING SEASON TO ESTABLISH A HEALTHY TURFGRASS. WATERING SHOULD OCCUR DURING THE EARLY PART OF THE DAY AND SHALL PROVIDE TO AN EVEN SATURATION DEPTH OF ONE INCH PER WEEK BY RAIN EVENT OR IRRIGATION.
 - NEWLY PLANTED TREES AND SHRUBS SHALL BE WATERED REGULARLY DURING THE DRY PERIODS TO COMPLETELY DAMPEN THE ROOT BALL DURING THE FIRST GROWING SEASON.
 - DISEASE, INSECT AND WEED CONTROL AND PREVENTION SHOULD BE PERFORMED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS FOR NEWLY PLANTED LANDSCAPES DURING THE FIRST SEASON.
 - NEWLY INSTALLED PLANTINGS SHALL BE SELECTIVELY PRUNED IF NECESSARY TO PROVIDE A NEAT, UNIFORM APPEARANCE. ANY DEAD OR BROKEN BRANCHES SHALL BE REMOVED. ALL NOTICEABLY DISEASED OR DAMAGED PLANT MATERIAL SHALL BE REMOVED AND REPLACED PRIOR TO FINAL ACCEPTANCE.
 - ALL GUYING AND STAKING SHALL BE MAINTAINED REGULARLY TO ASSURE PLANT STABILIZATION AND STRAIGHT, UNIFORM GROWTH FOR AT LEAST THE FIRST 18 MONTHS FOLLOWING THE DATE OF PLANTING.
 - ALL PLANT MATERIAL SHALL BE TRUE TO SPECIES AND VARIETY AND SHALL CONFORM TO MEASUREMENTS AND MINIMUM STANDARDS AS SET FORTH IN THE PLANT SCHEDULE.
 - ALL PLANT MATERIALS AND LAWN AREAS ARE TO BE WARRANTED BY THE CONTRACTOR FOR A PERIOD OF 18 MONTHS FROM DATE WHEN MAINTENANCE BOND IS ISSUED/ EFFECTIVE. ANY PLANTS FOUND DEAD, DYING, OR DISEASED DURING SAID PERIOD SHOULD BE REPLACED IN-KIND DURING THAT PERIOD.
 - TREE BRANCHES OVERHANGING VEHICULAR AND PEDESTRIAN ROUTES (DRIVES, WALKS, ETC.) SHALL BE MAINTAINED AT A HEIGHT 8 FT. MIN. FROM ADJACENT GRADE.

LONG TERM MAINTENANCE PLAN FOR LANDSCAPING:

- MAINTENANCE OF TREES, SHRUBS AND TURFGRASS SHALL BE THE RESPONSIBILITY OF THE HOMEOWNERS ASSOCIATION.
- THE LOT OWNER SHALL BE RESPONSIBLE FOR REGULAR MOWING, CLEAN-UP, AND GROOMING OF ALL LAWN AND PLANTED AREAS.
- ANY SPECIFIC PLANT MATERIAL SHOWN ON THIS APPROVED LANDSCAPE PLAN WHICH DOES NOT SURVIVE OR IS DAMAGED SHALL BE REPLACED IN KIND BY THE LOT OWNER WITHIN A SIX MONTH PERIOD, IN PERPETUITY.
- TRASH AND TREE DEBRIS SHALL BE REMOVED AND DISPOSED OF PROPERLY.
- PATROL NATURAL AREAS AND REMOVE MAN-MADE DEBRIS AND DISPOSE OF PROPERLY.



NO.	REVISION	DATE
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3		
4		
5		

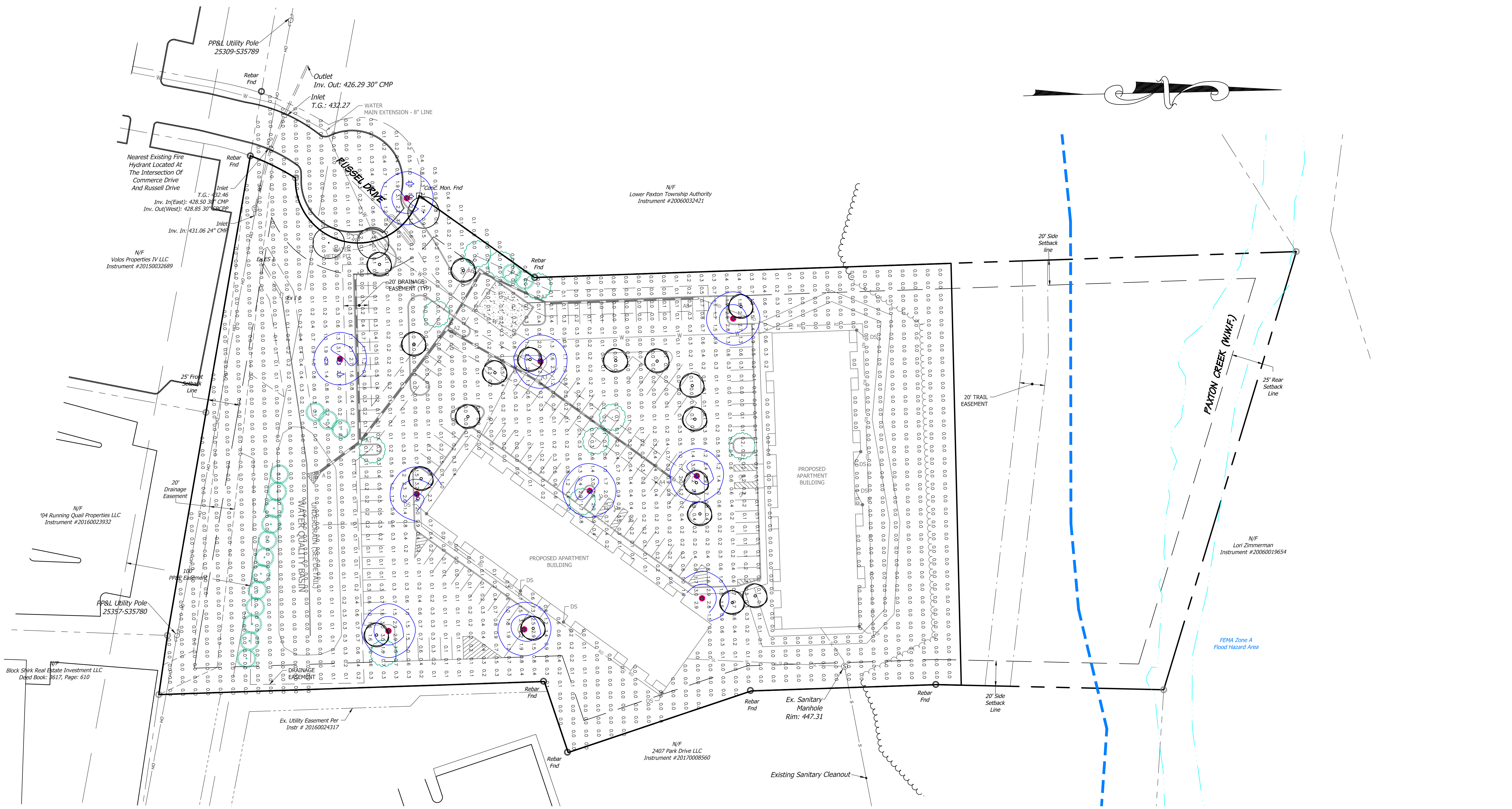
R. J. FISHER & ASSOCIATES, INC.
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RJFISHERENGINEERING.COM



LANDSCAPE PLAN
FOR
RUSSEL DRIVE LOT 2
LOCATED IN
SUSQUEHANNA TOWNSHIP, DAUPHIN COUNTY, PA

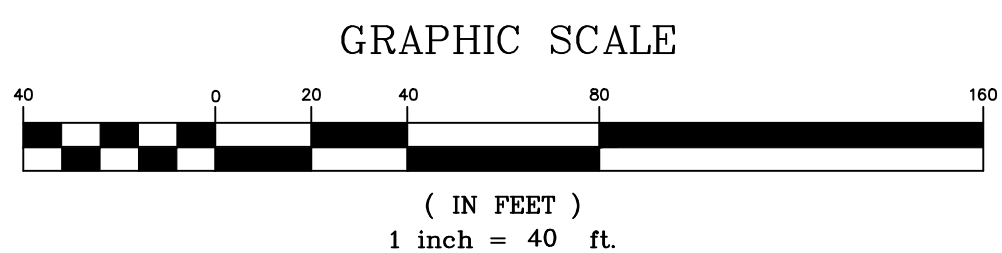
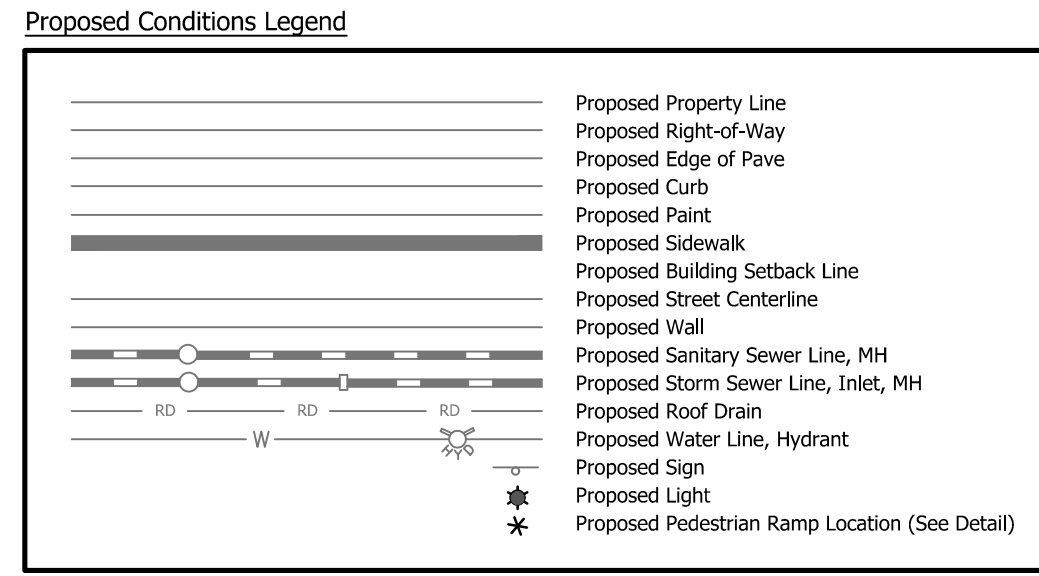
DRAWING ID: 222012-LSCP
PROJECT: 222012
DATE: 4/8/2022
SHEET: 6 OF 15

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**GENERAL
PHOTOMETRIC
SCHEDULE**

AVERAGE FOOT-CANDLES	0.25
MAXIMUM FOOT-CANDLES	3.2
MINIMUM FOOT-CANDLES	0.0
MINIMUM TO MAXIMUM FC RATIO	0.00
MAXIMUM TO MINIMUM FC RATIO	3.23 / 0.00
AVERAGE TO MINIMUM FC RATIO	0.25 / 0.00



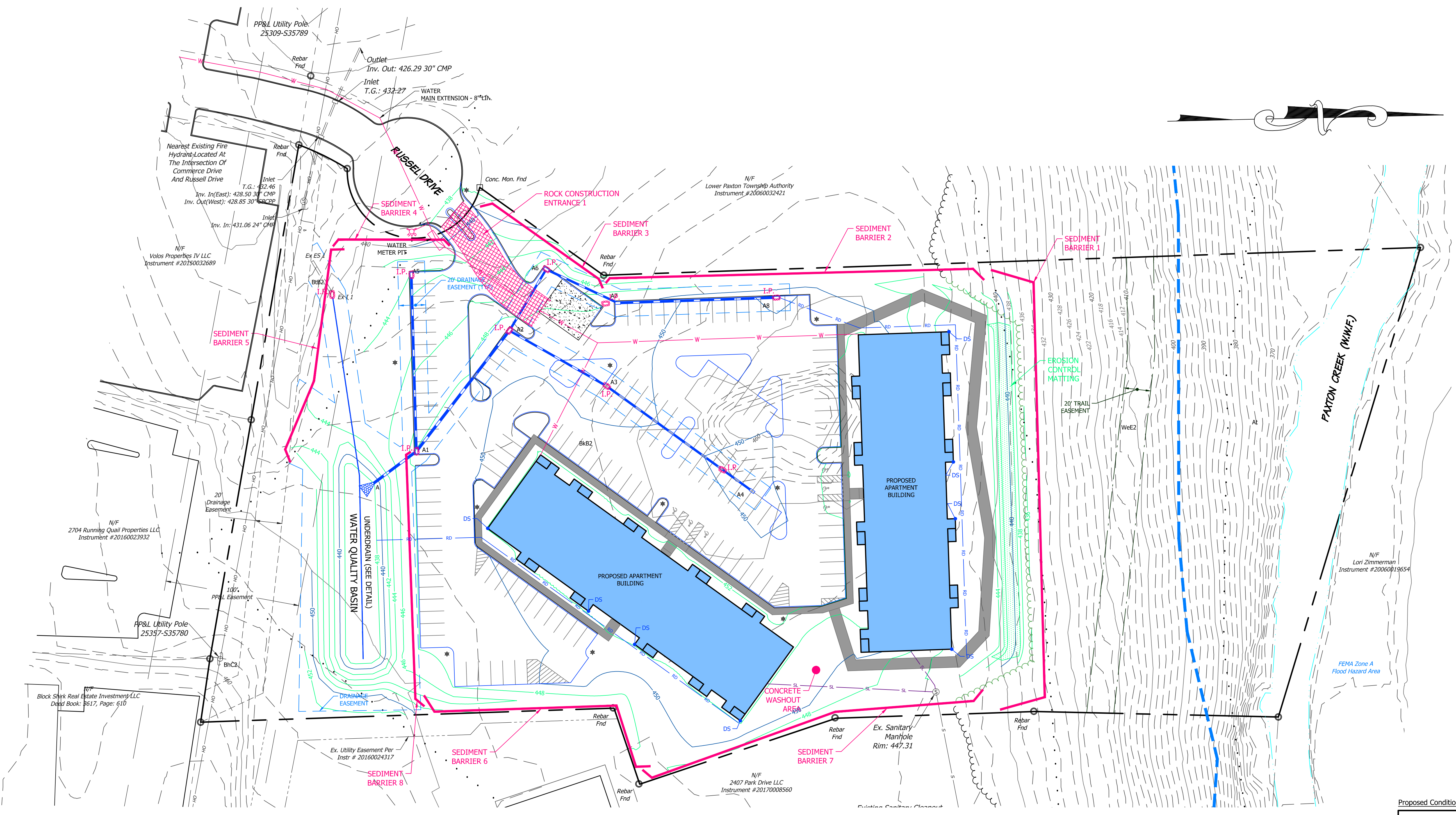
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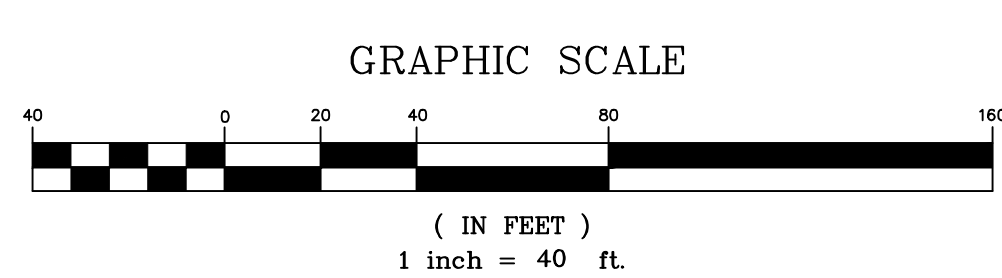
LIGHTING PLAN
 FOR
RUSSEL DRIVE LOT 2
 LOCATED IN
 SUSQUEHANNA TOWNSHIP, DAUPHIN COUNTY, PA

DRAWING ID: 222012-LIGHT
 PROJECT: 222012
 DATE: 4/8/2022
 SHEET: 7 OF 15



Proposed Conditions Legend

	Proposed Property Line
	Proposed Right-of-Way
	Proposed Edge of Pave
	Proposed Curb
	Proposed Sidewalk
	Proposed Retaining Wall
	Proposed Sanitary Sewer Line, MH
	Proposed Storm Sewer Line, Inlet, MH
	Proposed Roof Drain
	Proposed Water Line, Hydrant
	Proposed Minor Contour
	Proposed Major Contour
	Limit of Disturbance/NPDES Boundary
	Drainage Area
	Proposed Inlet Protection, Waterbar, Inlet I.D.
	Proposed Sign
	Proposed Light
	Proposed Spot Elevation



NO.	REVISION	DATE
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2	TOWNSHIP COMMENTS	06/24/22
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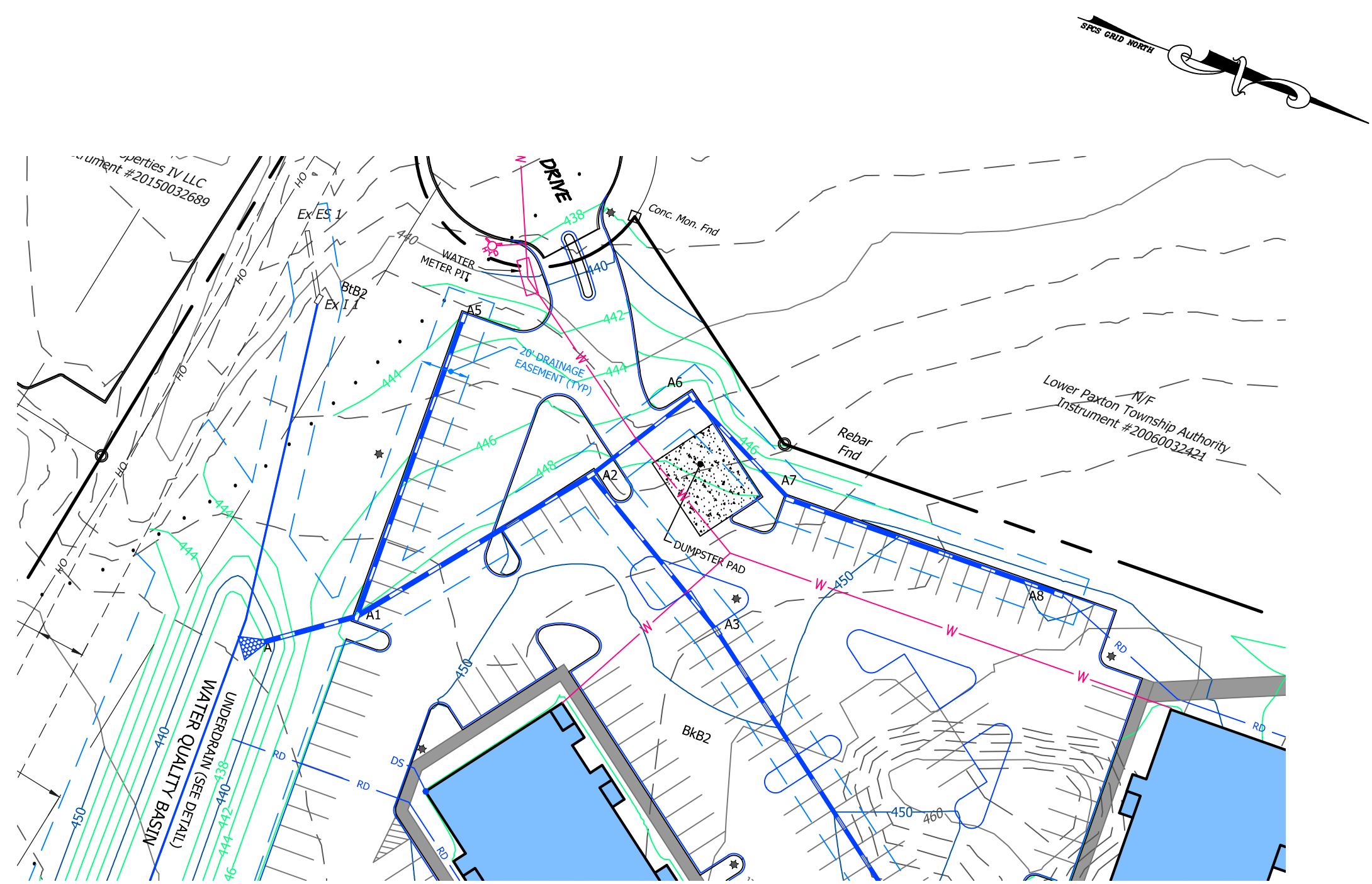
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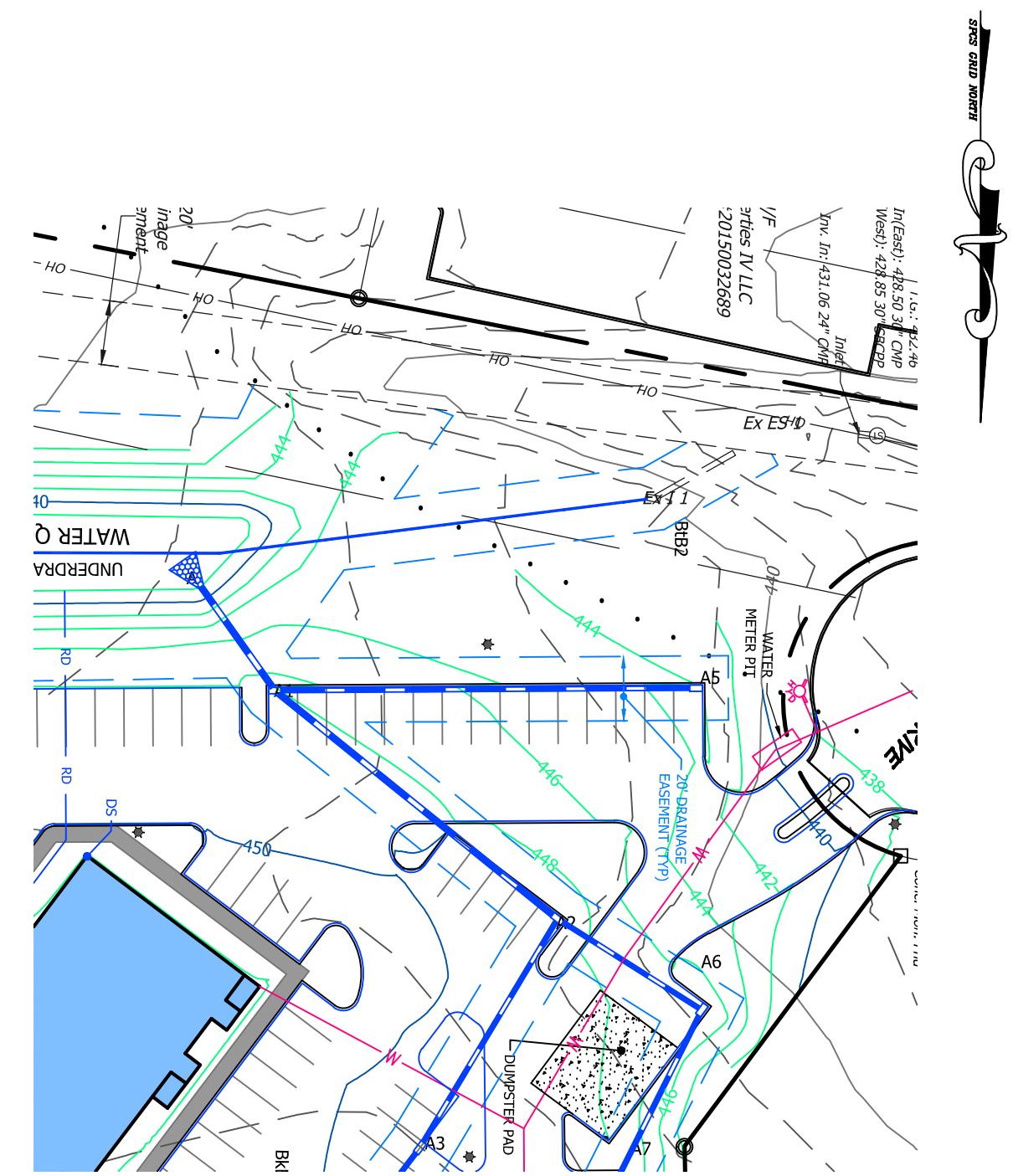
E&S POLLUTION CONTROL PLAN
 FOR
RUSSEL DRIVE LOT 2
 LOCATED IN
 SUSQUEHANNA TOWNSHIP, DAUPHIN COUNTY, PA

DRAWING ID:	222012-EnS
PROJECT:	222012
DATE:	4/8/2022
SHEET:	8 OF 15

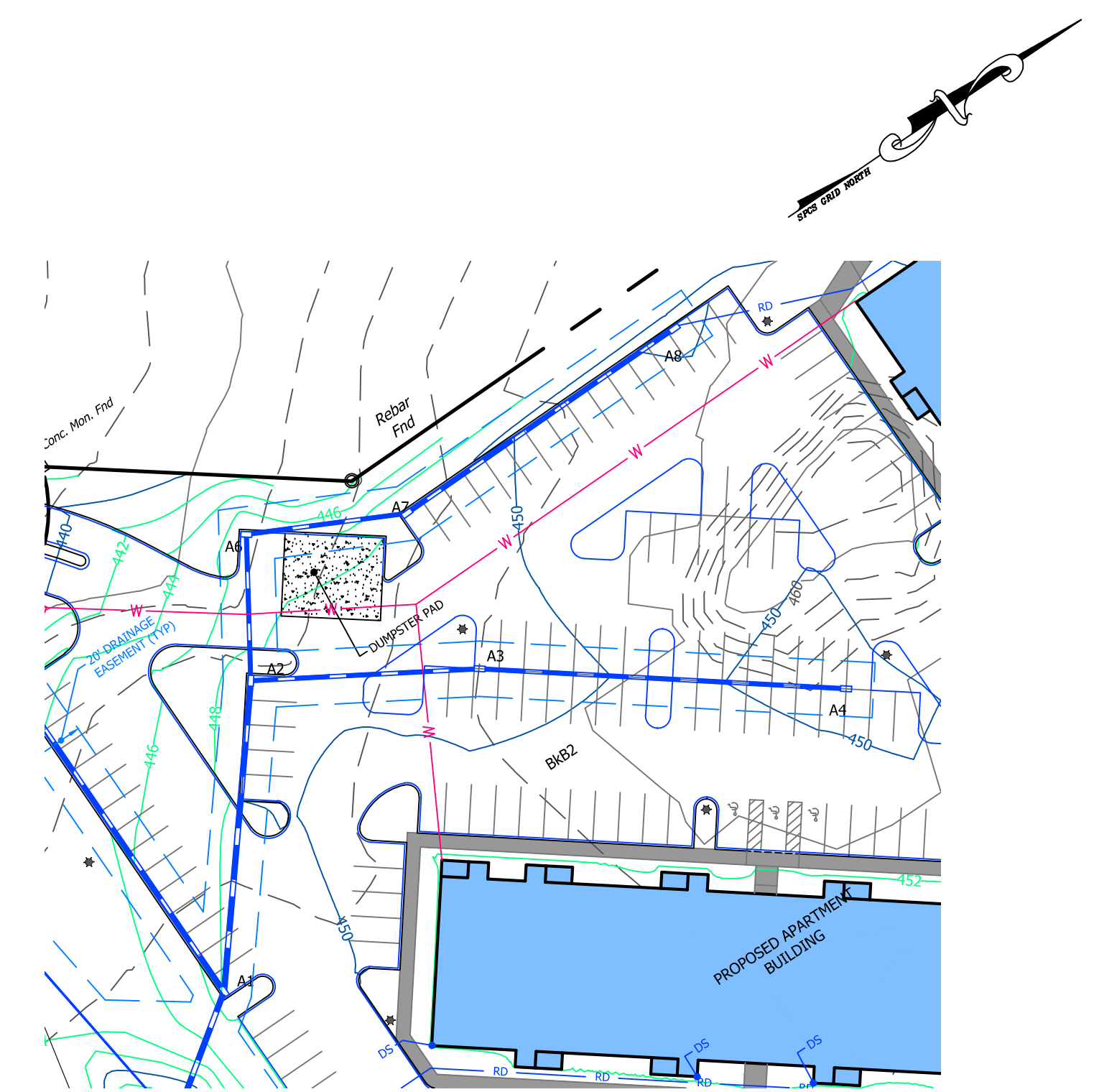
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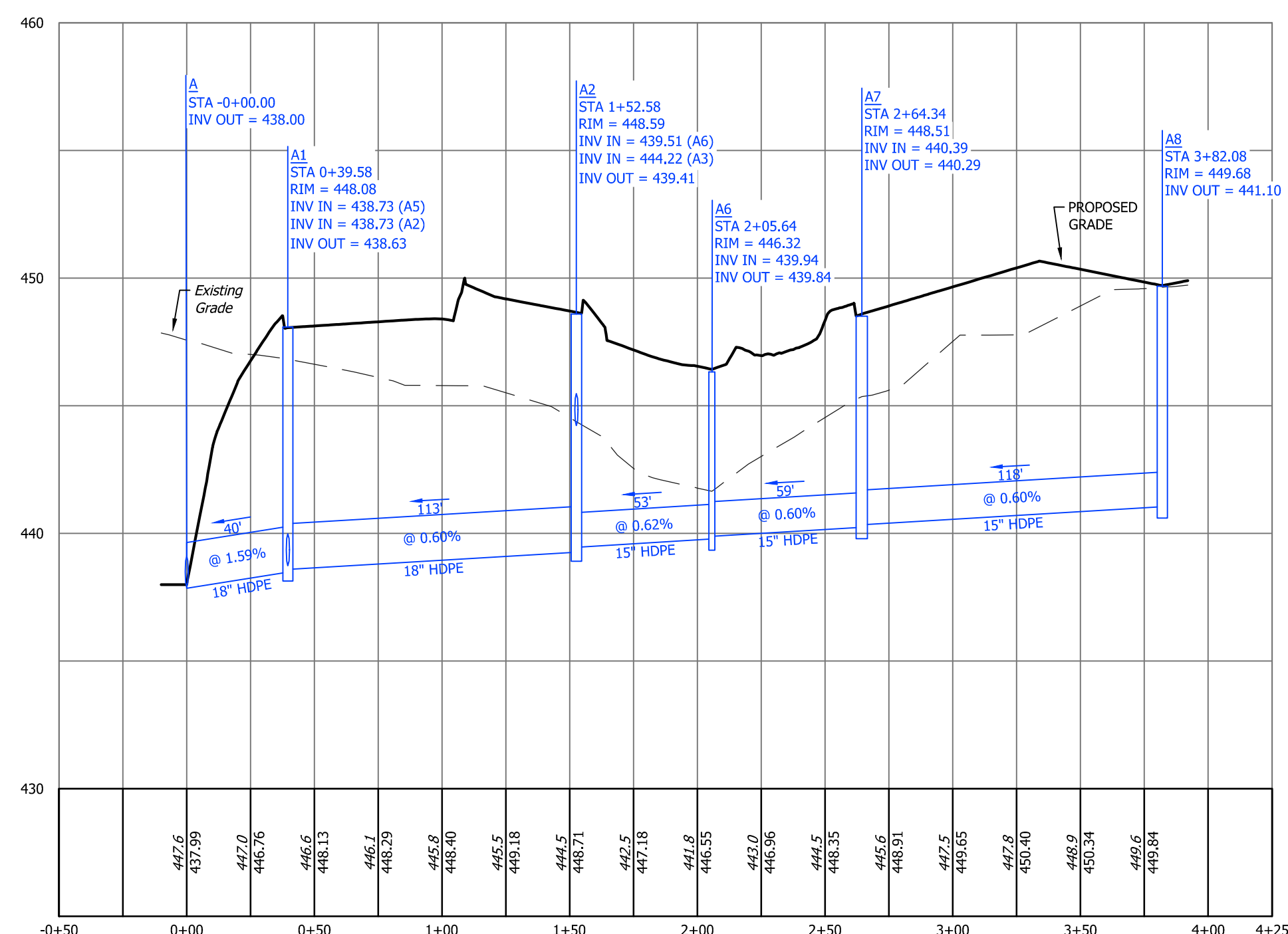
Plan View Of A To A8
Scale: 1"=50'



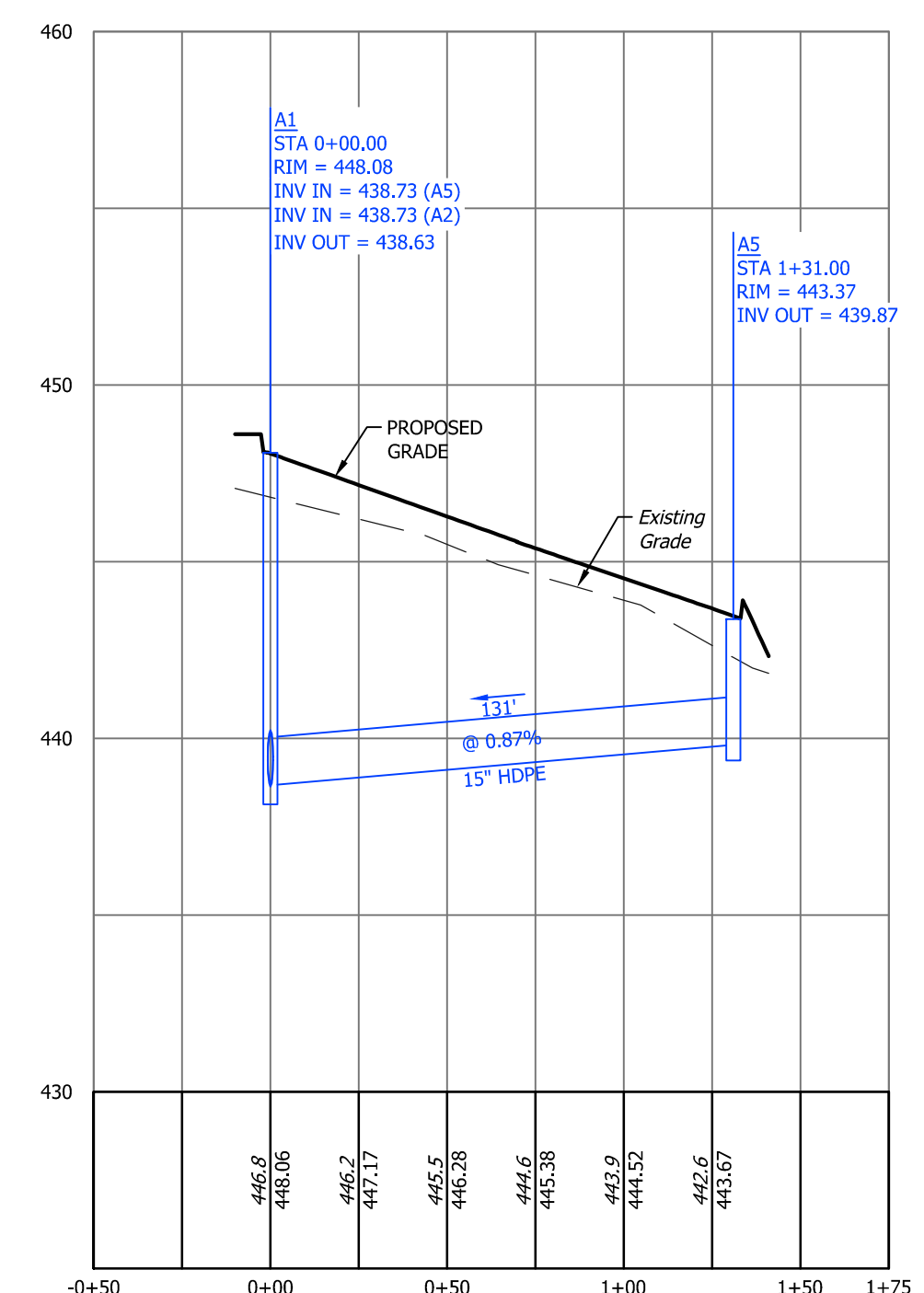
Plan View Of A1 To A5
Scale: 1"=50'



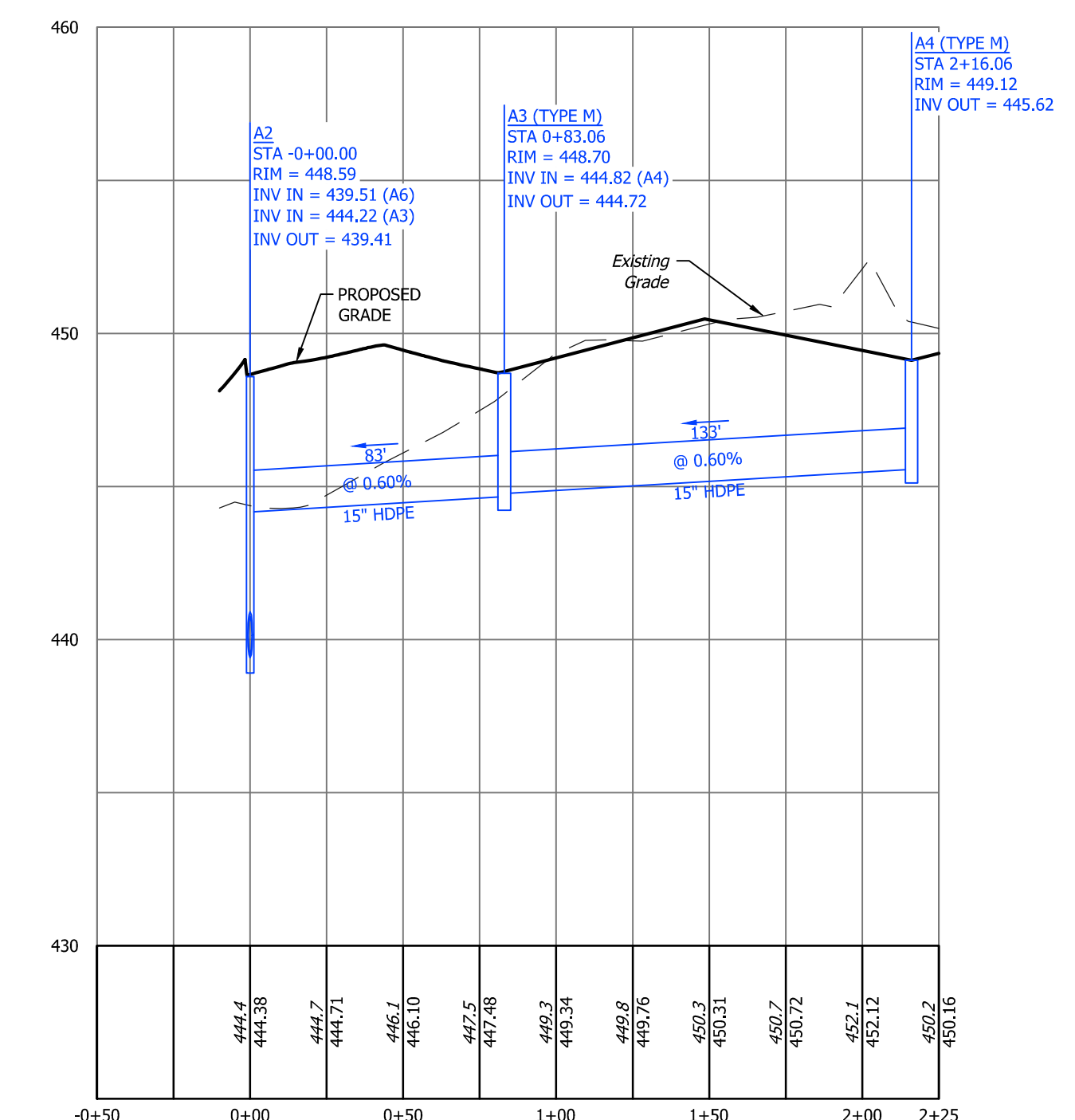
Plan View Of A2 To A4
Scale: 1"=50'



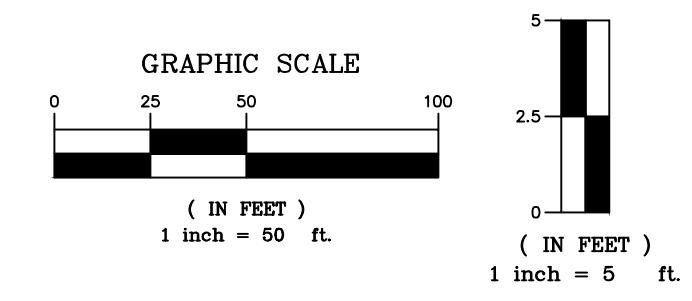
Profile View Of A To A8 Sta: -0+50.00 - 4+25.00
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 4'



Profile View Of A1 To A5 Sta: -0+50.00 - 1+75.00
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 4'



Profile View Of A2 To A4 Sta: -0+50.00 - 2+25.00
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 4'



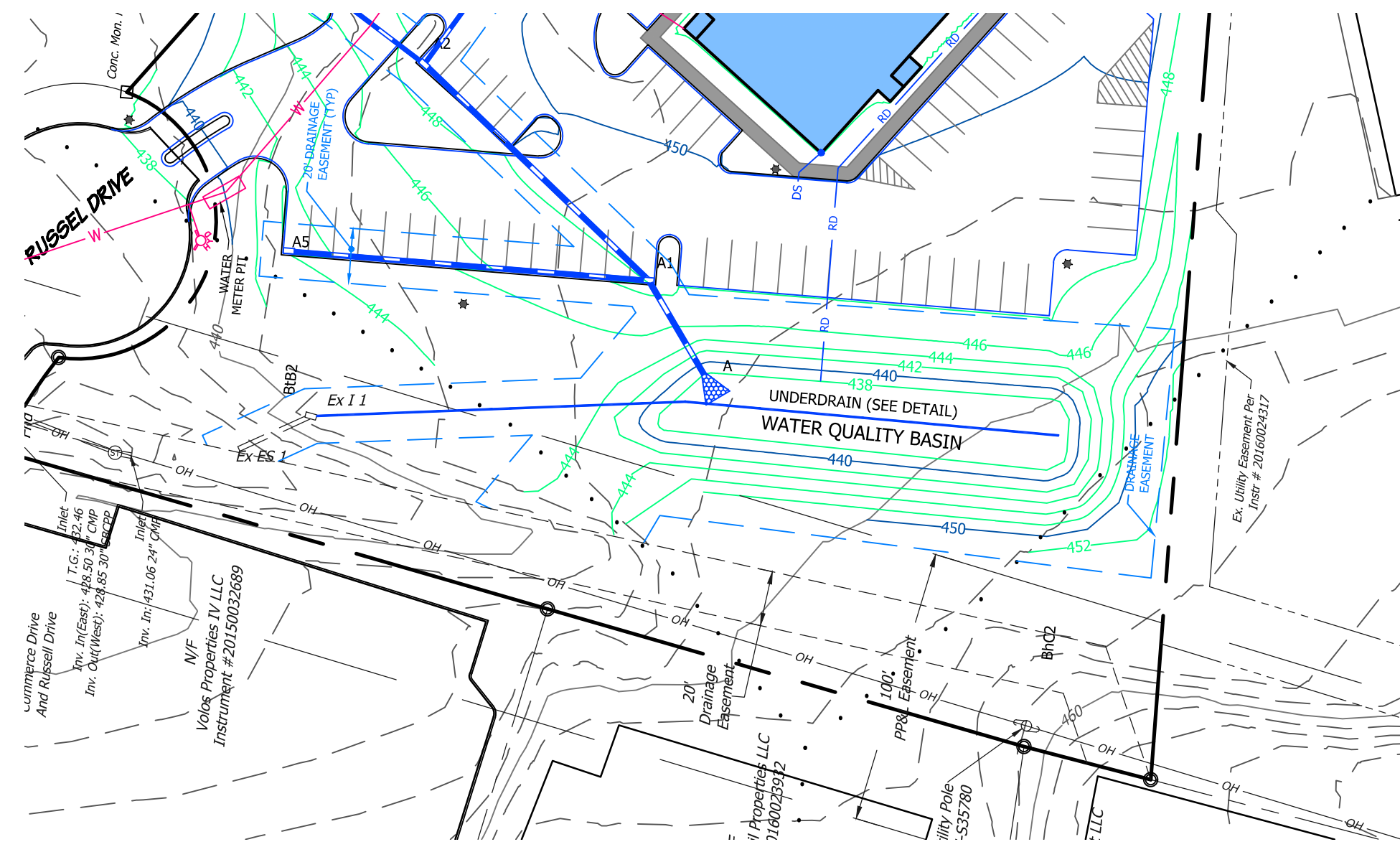
NO.	REVISION	DATE
1	TOWNSHIP COMMENTS	05/06/22
2	TOWNSHIP COMMENTS	06/24/22
3		
4		
5		

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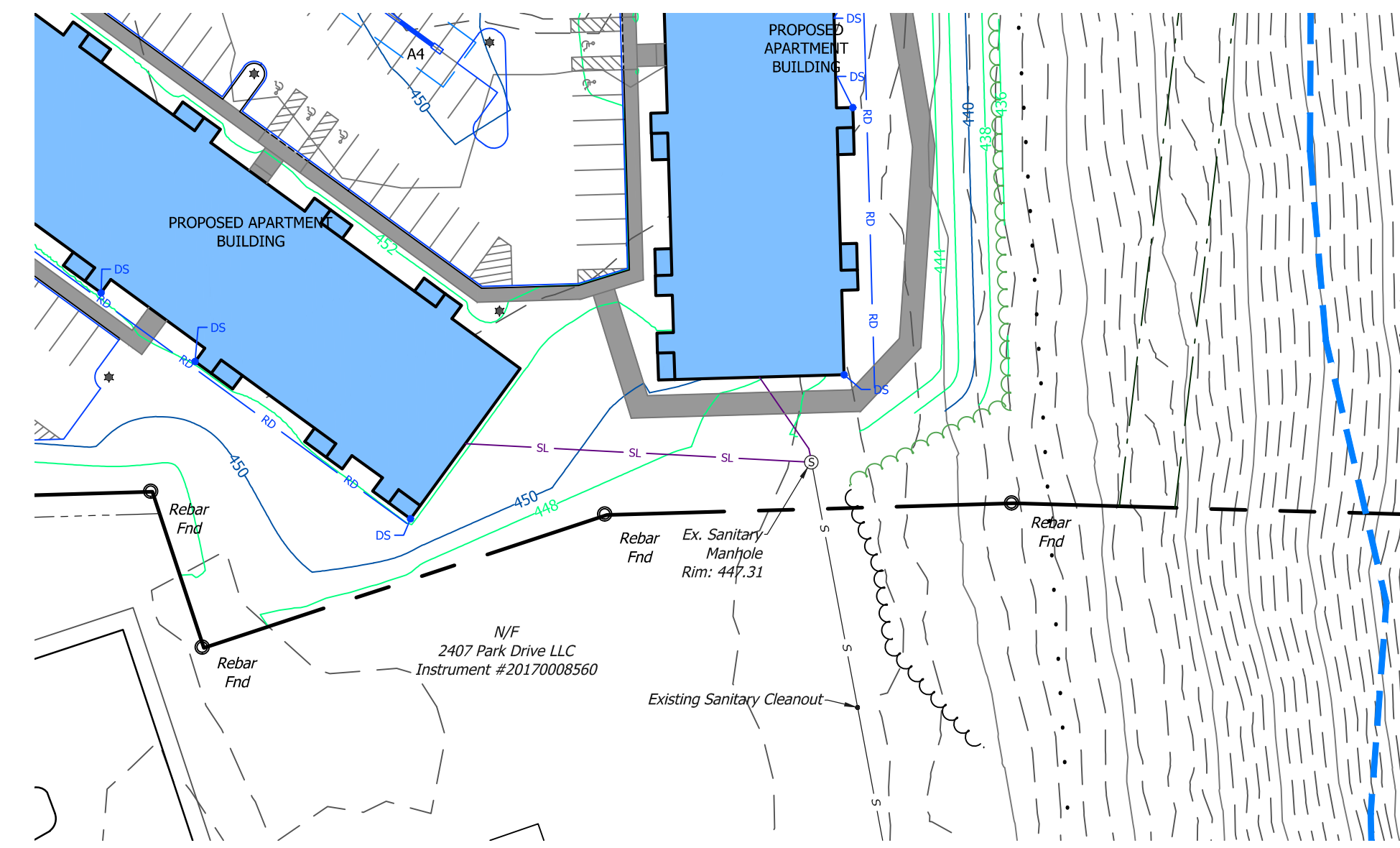


STORM PROFILES
FOR
RUSSEL DRIVE LOT 2
LOCATED IN
SUSQUEHANNA TOWNSHIP, DAUPHIN COUNTY, PA

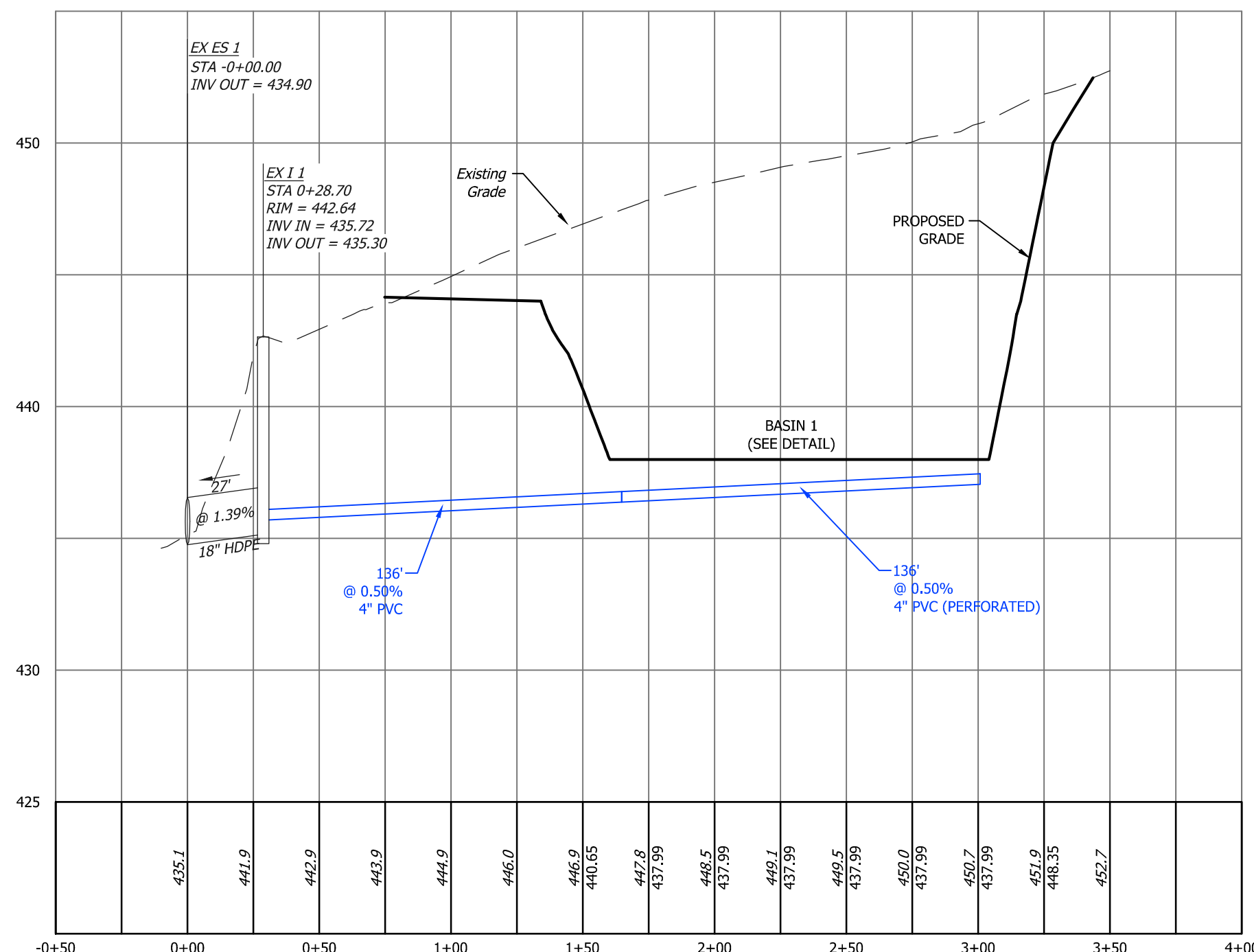
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PROJECT:	222012
DATE:	4/8/2022
SHEET:	9 OF 15



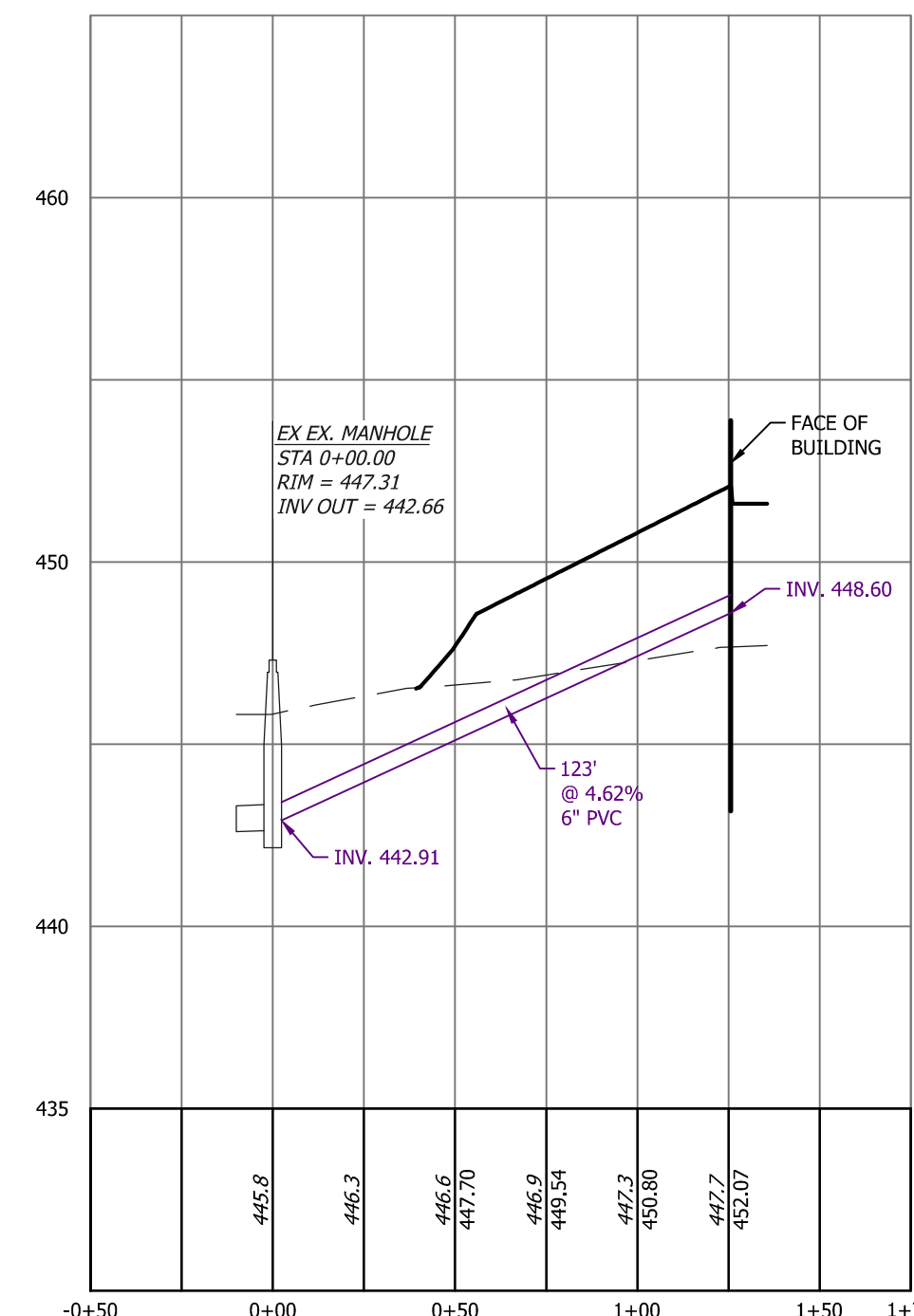
Plan View Of Basin 1
Scale: 1"=50'



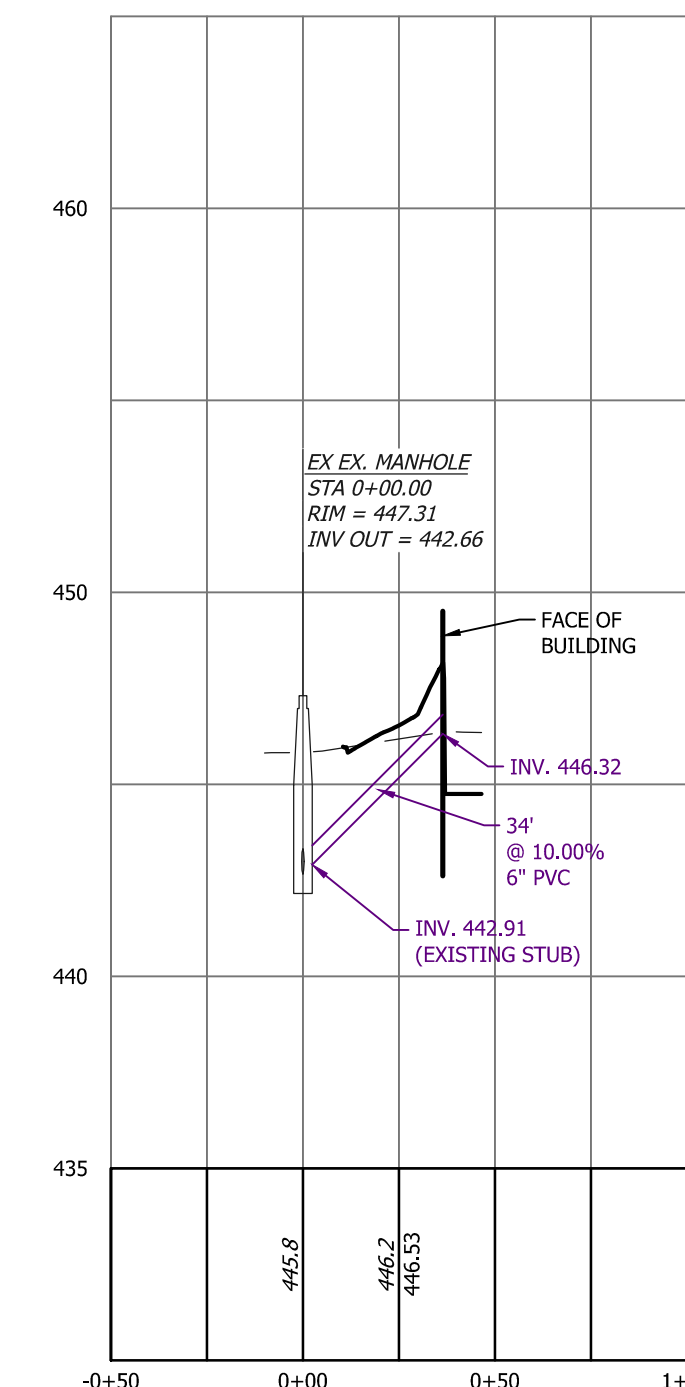
Plan View Of Sanitary Sewer Laterals
Scale: 1"=50'



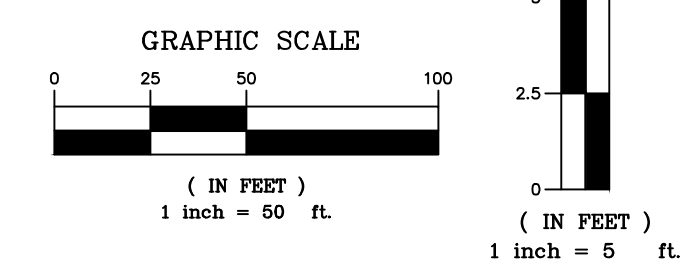
Profile View Of Water Quality Basin Sta: -0+50.00 - 4+00.00
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 4'



Profile View Of Sanitary Sewer Lateral (South) Sta: -0+50.00 - 1+75.00
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 4'



Profile View Of Sanitary Sewer Lateral (West) Sta: -0+50.00 - 1+00.00
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 4'



NO.	REVISION	DATE
1	TOWNSHIP COMMENTS	05/06/22
2	TOWNSHIP COMMENTS	06/24/22
3		
4		
5		

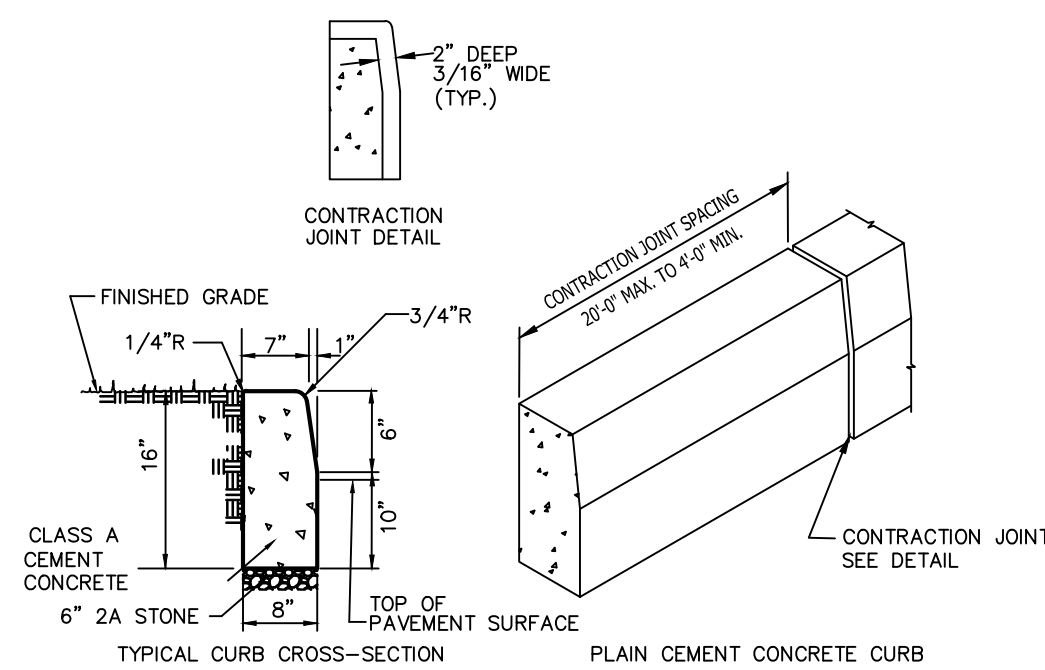
R. J. FISHER & ASSOCIATES, INC.
 SITE PLANNING & CIVIL ENGINEERING & LAND SURVEYS
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STORM & SANITARY PROFILES
 FOR
RUSSEL DRIVE LOT 2
 LOCATED IN
 SUSQUEHANNA TOWNSHIP, DAUPHIN COUNTY, PA

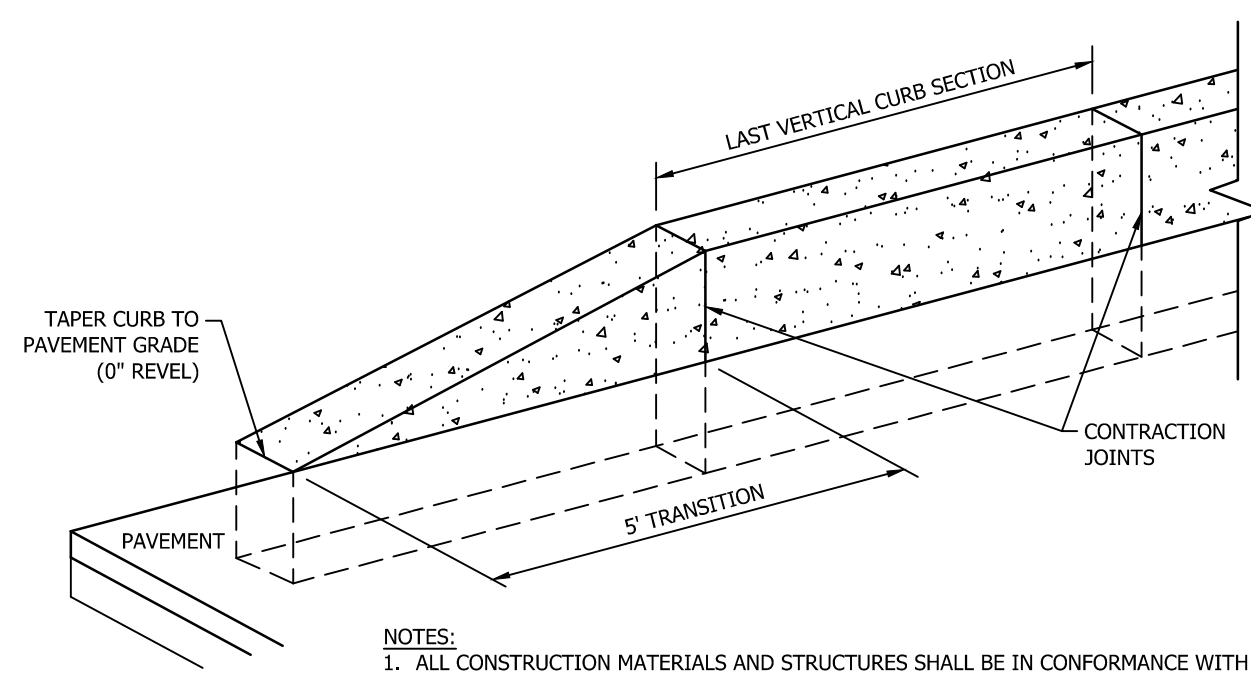
DRAWING ID:	222012-PRO
PROJECT:	222012
DATE:	4/8/2022
SHEET:	10 OF 15

10-PRO
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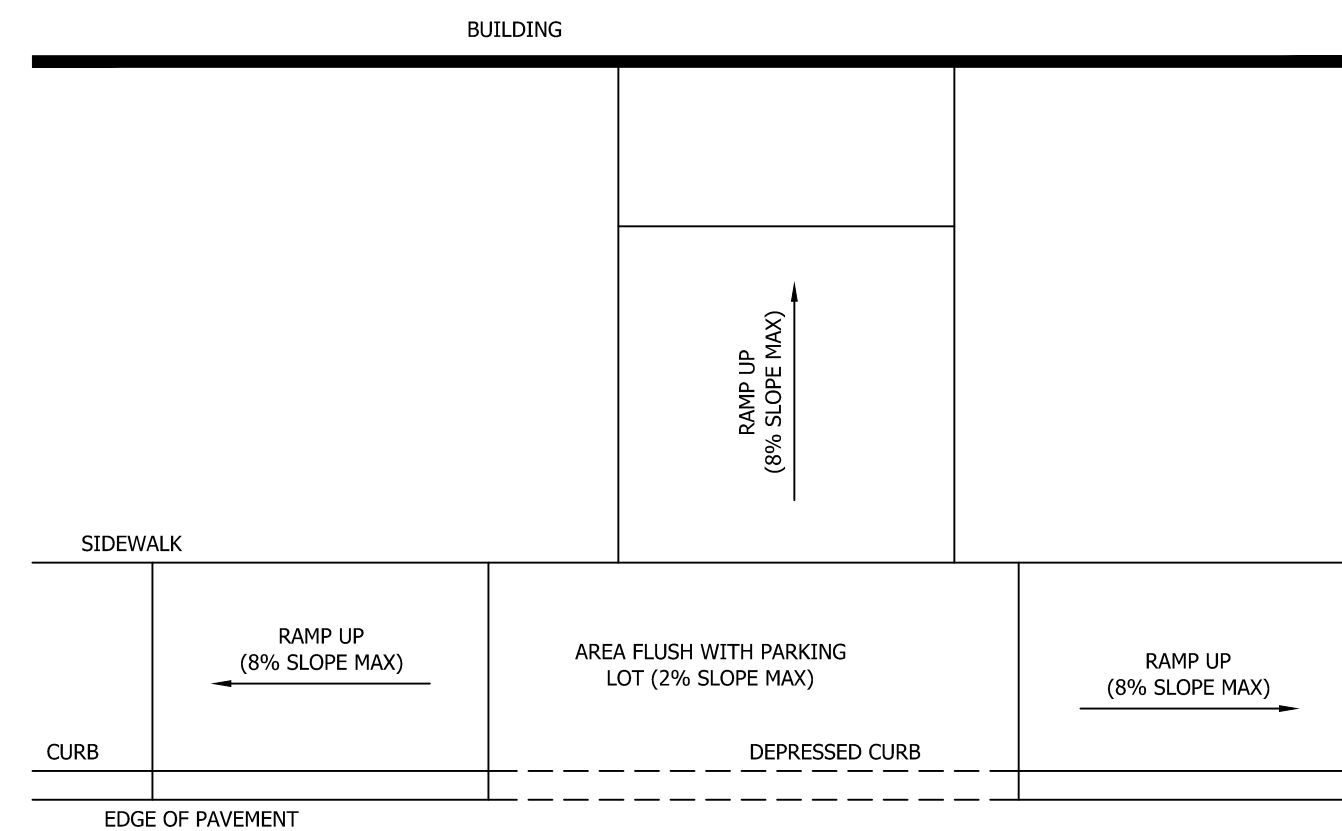


NOTES:
 1. PROVIDE MATERIALS AND CONSTRUCTION MEETING THE REQUIREMENTS OF PUB. 408, SECTION 630 FOR PLAIN CONCRETE CURB AND DEPRESSED CURB, SECTION 640 FOR PLAIN CONCRETE CURB AND PLAIN CONCRETE CURB GUTTER.
 2. SPACE CONTRACTION JOINTS IN UNIFORM LENGTHS OR SECTIONS.
 3. PLACE 3/4"-INCH PREMOULDED EXPANSION JOINT FILLER MATERIAL AT STRUCTURES AND AT THE END OF THE WORK DAY CUT MATERIAL TO CONFORM TO AREA ADJACENT TO CURB OR TO CONFORM TO CROSS SECTIONAL AREA OF CURB.

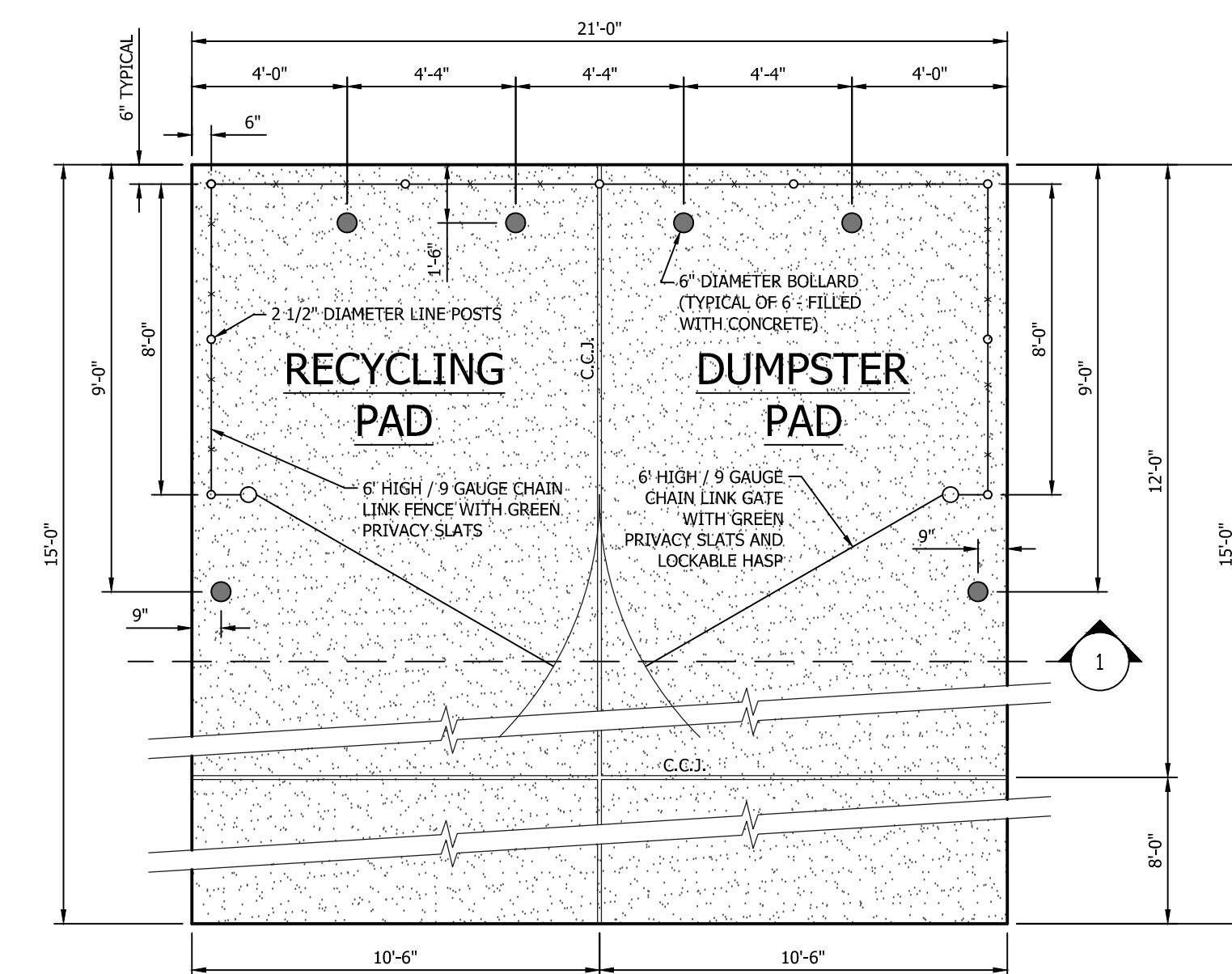
6" VERTICAL CONCRETE CURB DETAIL
 NOT TO SCALE



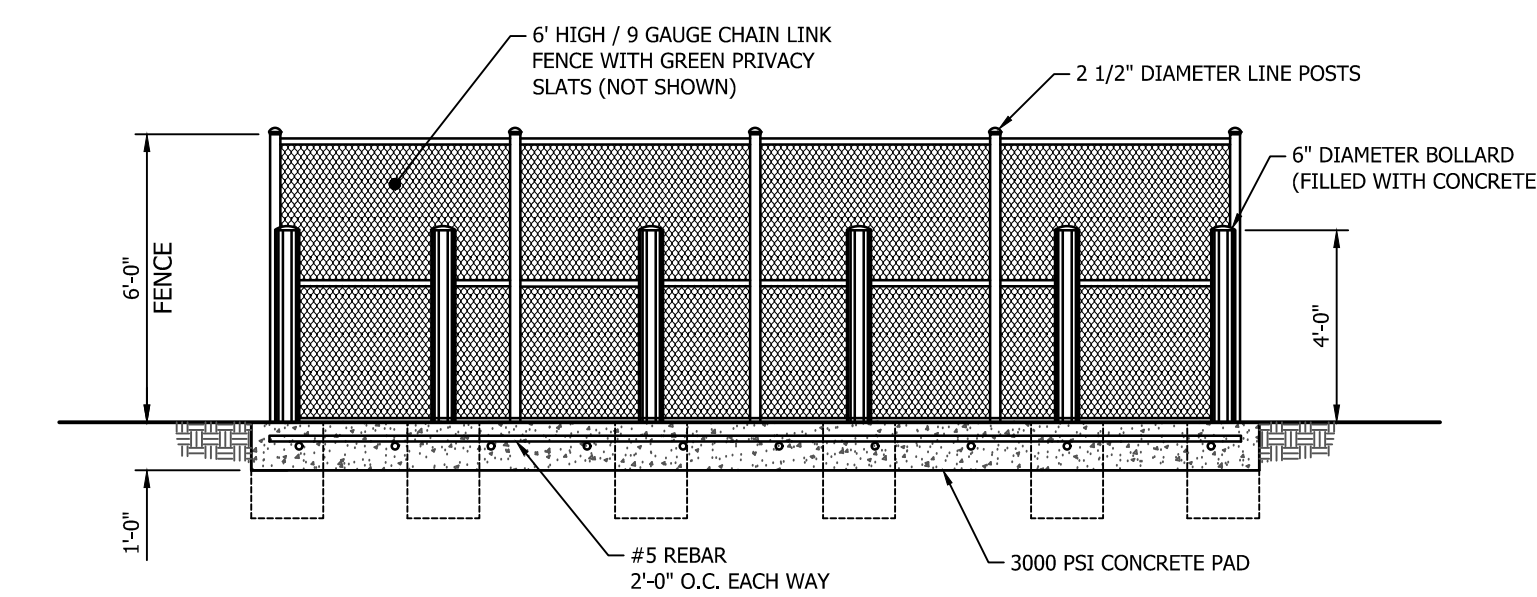
END TRANSITION FOR STANDARD VERTICAL CURBING
 NOT TO SCALE



HANDICAP RAMP DETAIL
 NOT TO SCALE



PLAN

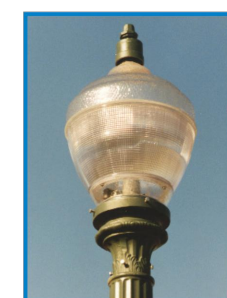


SECTION

DUMPSTER PAD WITH ENCLOSURE DETAIL
 N.T.S.

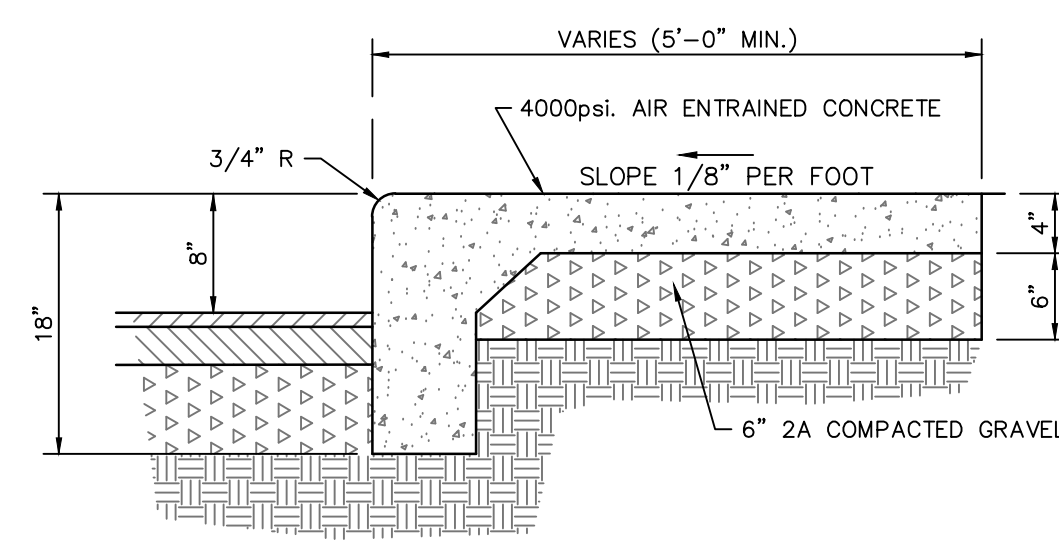


Acorn

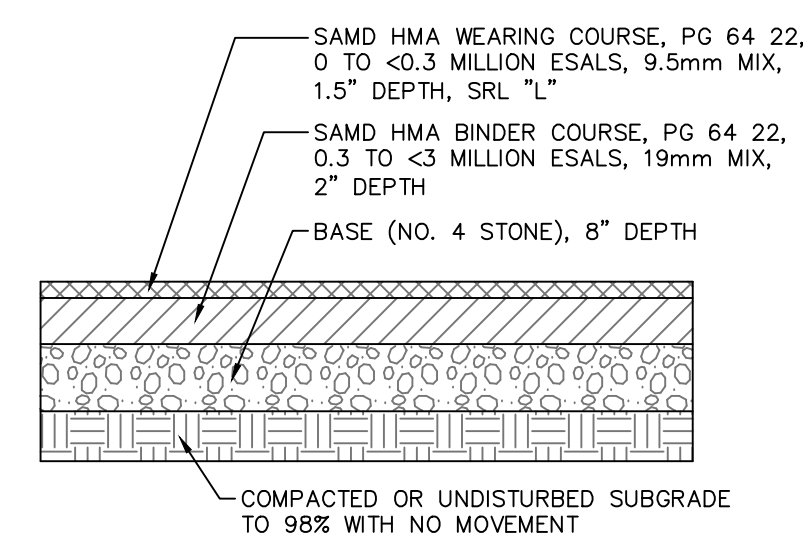


- LUMINAIRE:** Acorn, black or green
- FIXTURE SIZE:** 2,600 lumen (36 watt) or 3,800 lumen (53 watt)
- FIXTURE TYPE:** Light-Emitting Diode (LED)
- POLE:** 11 or 13 foot black or green fiberglass, boulevard style, mounted on concrete foundation
- ALTERNATE POLE:** 14 foot round black steel or spun aluminum
- ELECTRIC SUPPLY:** Underground
- RATE:** Low-mount underground, Rate Schedule SLE Light-Emitting Diode (LED)

Want to know more about the PPL Electric Utilities Outdoor Lighting Program?
 Call your PPL Electric Utilities representative or PPL Electric Utilities Customer Service Business Accounts 1-888-220-9991, option 4 on IVR during business hours 8 a.m. to 5 p.m.



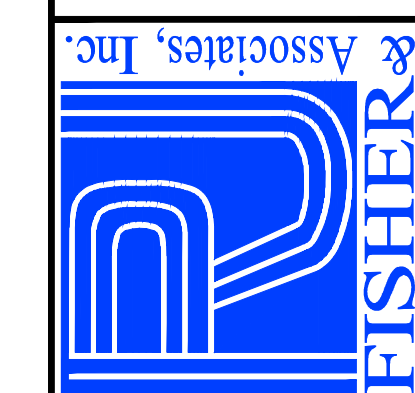
MONOLITHIC CONCRETE CURB/SIDEWALK DETAIL AT PARKING AREAS
 N.T.S.



PRIVATE STREET / PARKING PAVING DETAIL
 NOT TO SCALE

NO.	REVISION	DATE
1	TOWNSHIP COMMENTS	05/06/22
2	TOWNSHIP COMMENTS	06/24/22
3		
4		
5	HOP REVISIONS	1/24/22

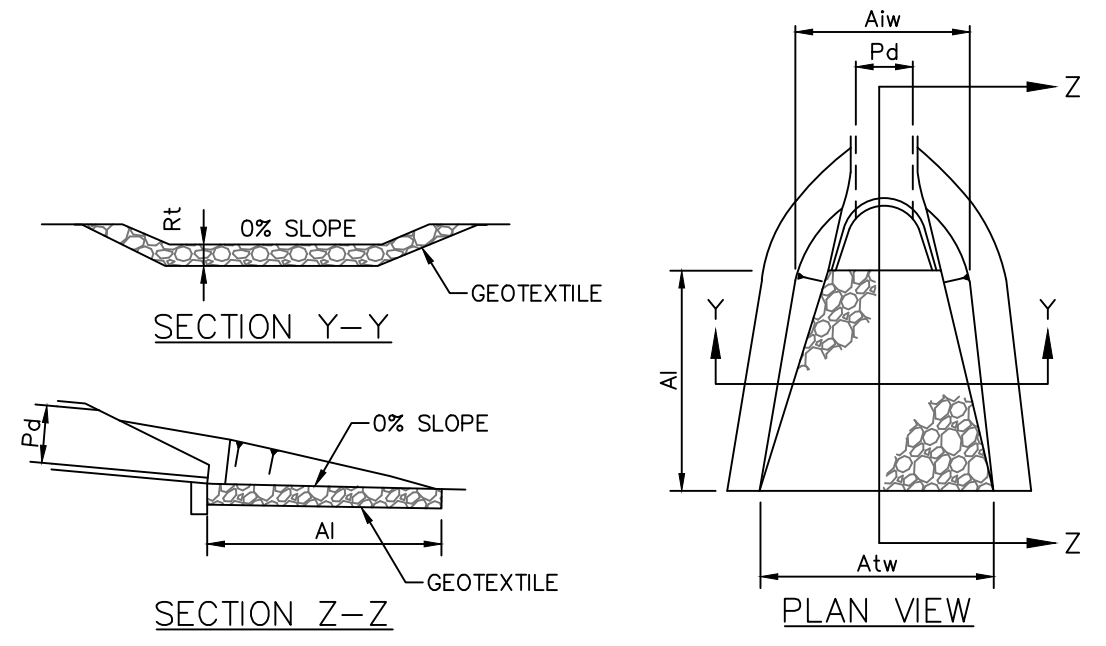
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 1546 BRIDGE STREET, NEW CUMBERLAND, PA. 17070
 PHONE: (717) 774-7534 ■ FAX: (717) 774-7190
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SITE DETAILS
 FOR
RUSSEL DRIVE LOT 2
 LOCATED IN
 SUSQUEHANNA TOWNSHIP, DAUPHIN COUNTY, PA

DRAWING ID:	222012-DET
PROJECT:	220021
DATE:	4/8/2022
SHEET:	11 of 15

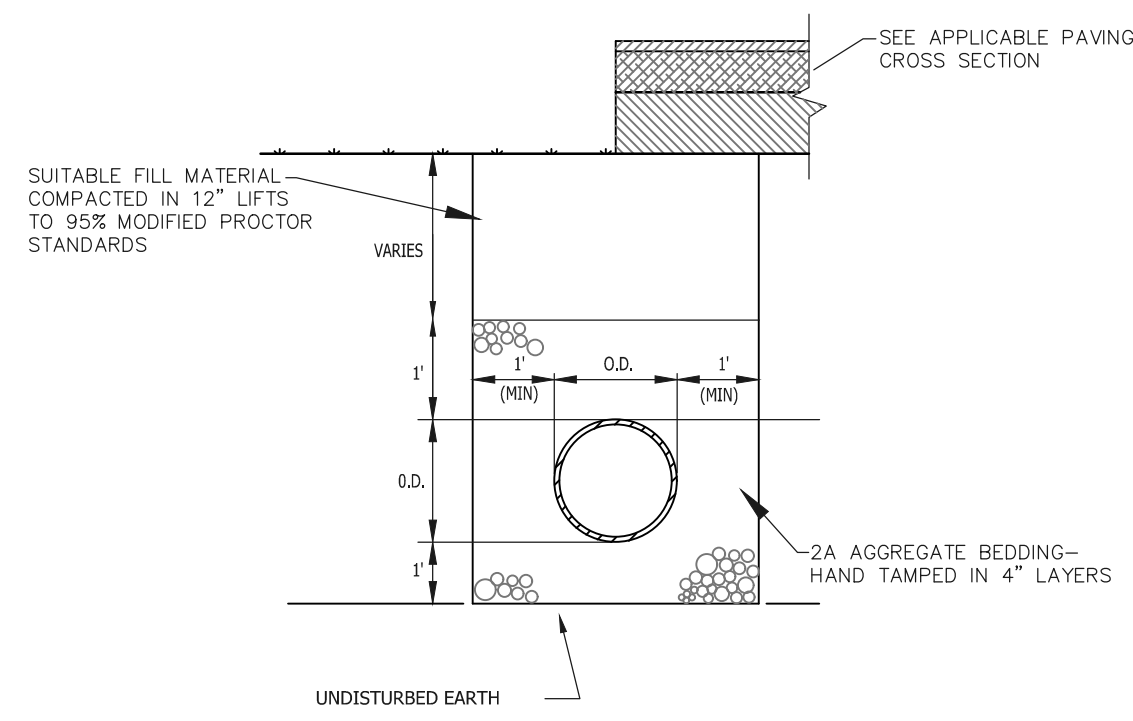
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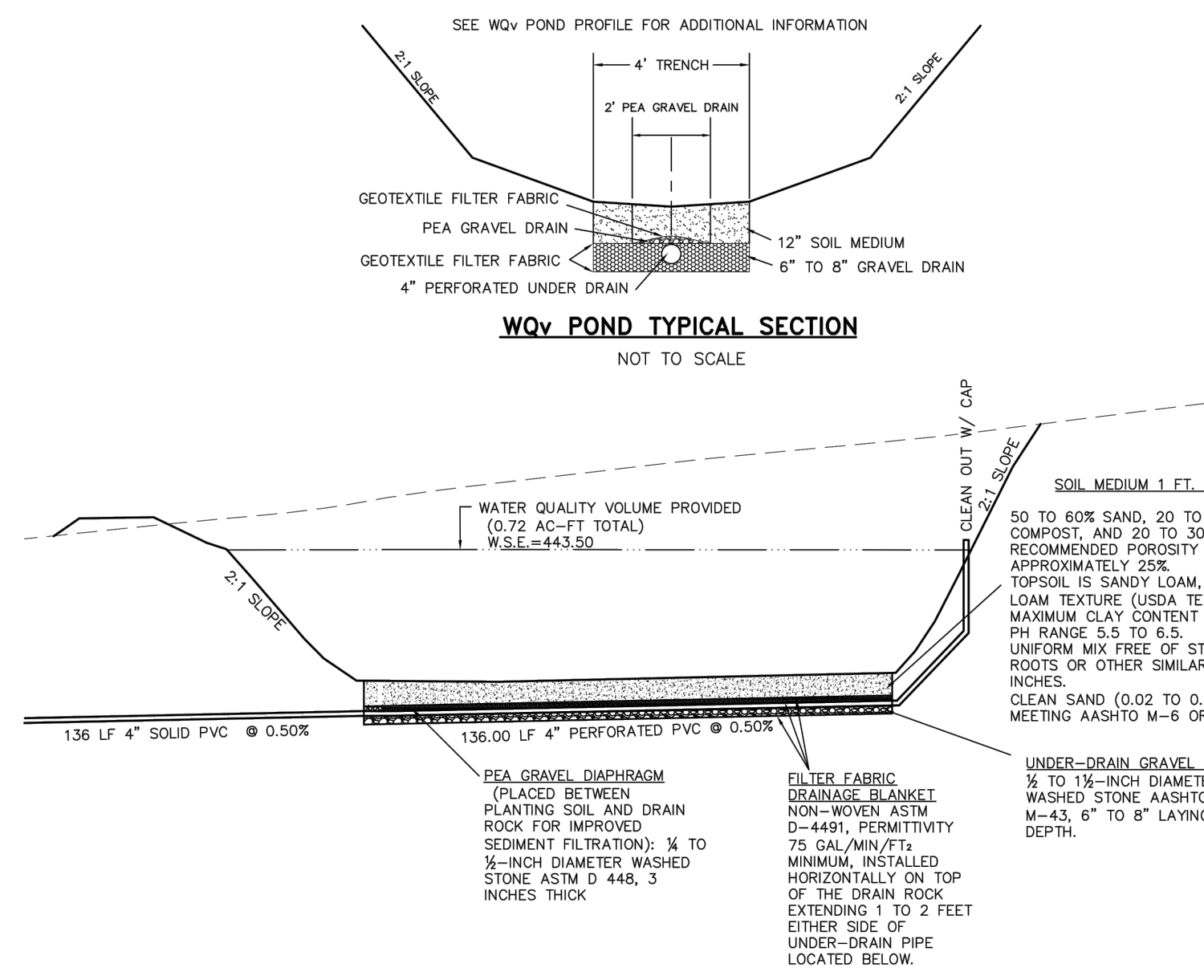
OUTLET NO.	PIPE DIA Pd (IN)	RIPRAP SIZE R-	THICK. Rt (IN)	LENGTH At (FT)	INITIAL WIDTH Aiw (FT)	TERMINAL WIDTH Atw (FT)
A	18	R-4	18	10	4.5	14.5

NOTES:
 ALL APRONS SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN. TERMINAL WIDTHS SHALL BE ADJUSTED AS NECESSARY TO MATCH RECEIVING CHANNELS.
 ALL APRONS SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RUNOFF EVENT. DISPLACED RIPRAP WITHIN THE APRON SHALL BE REPLACED IMMEDIATELY.

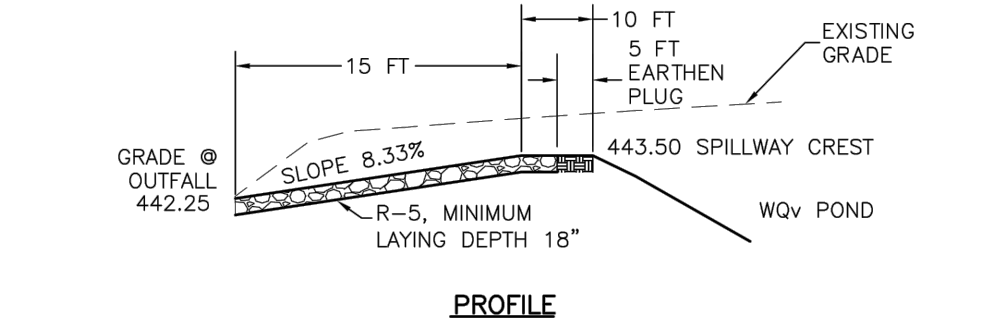
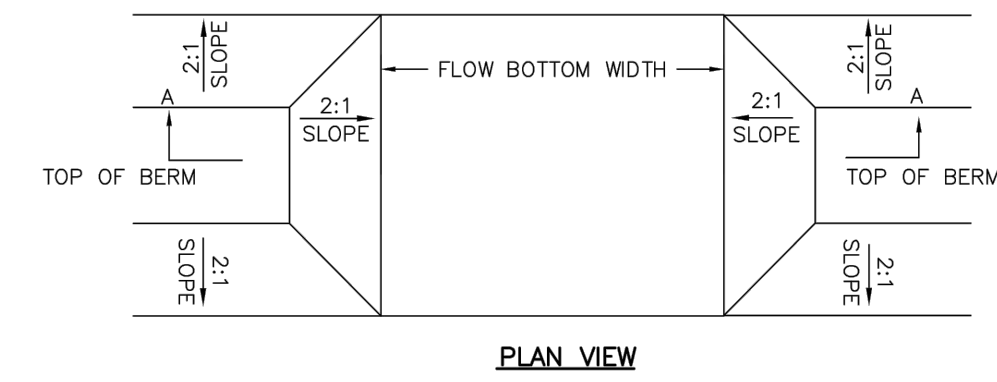
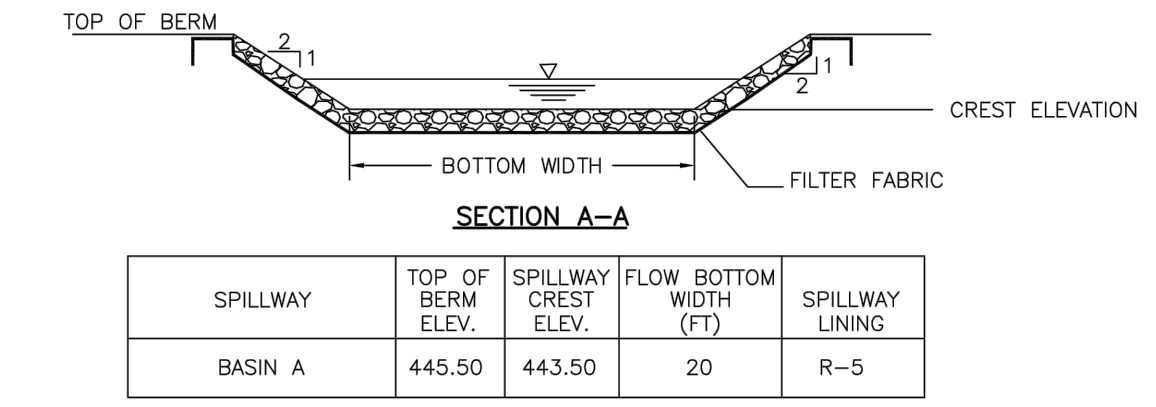
RIPRAP APRON AT PIPE OUTLET WITH FLARED END SECTION OR ENDWALL
 NOT TO SCALE



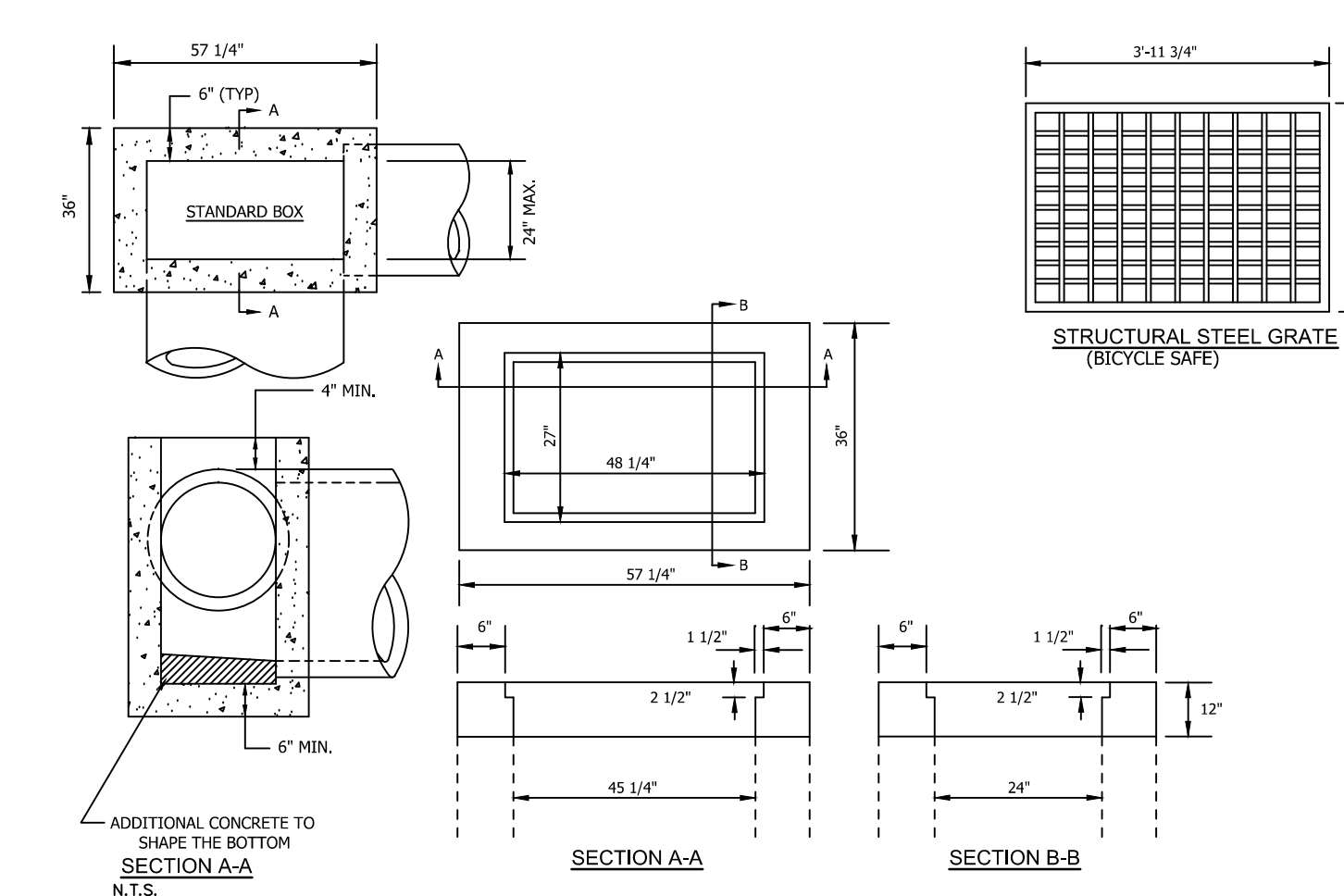
STORM SEWER TRENCH IN STREET
 N.T.S.



WQv POND PROFILE
 NOT TO SCALE

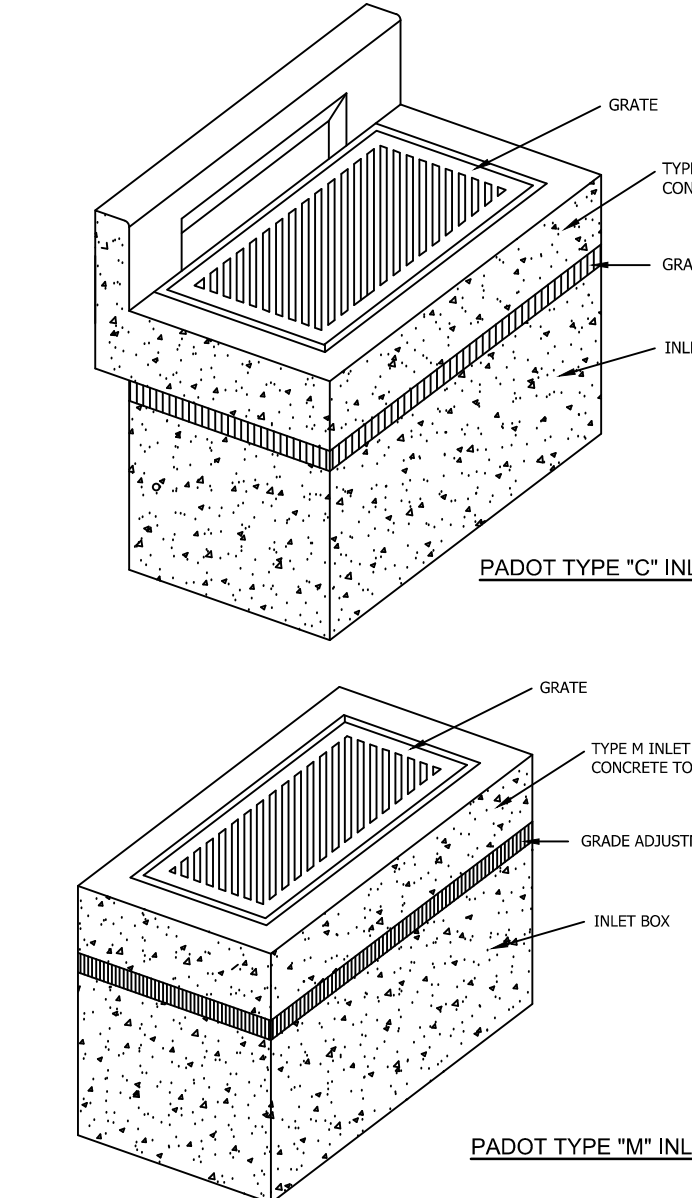


WQv POND EMERGENCY SPILLWAY DETAIL
 NO SCALE



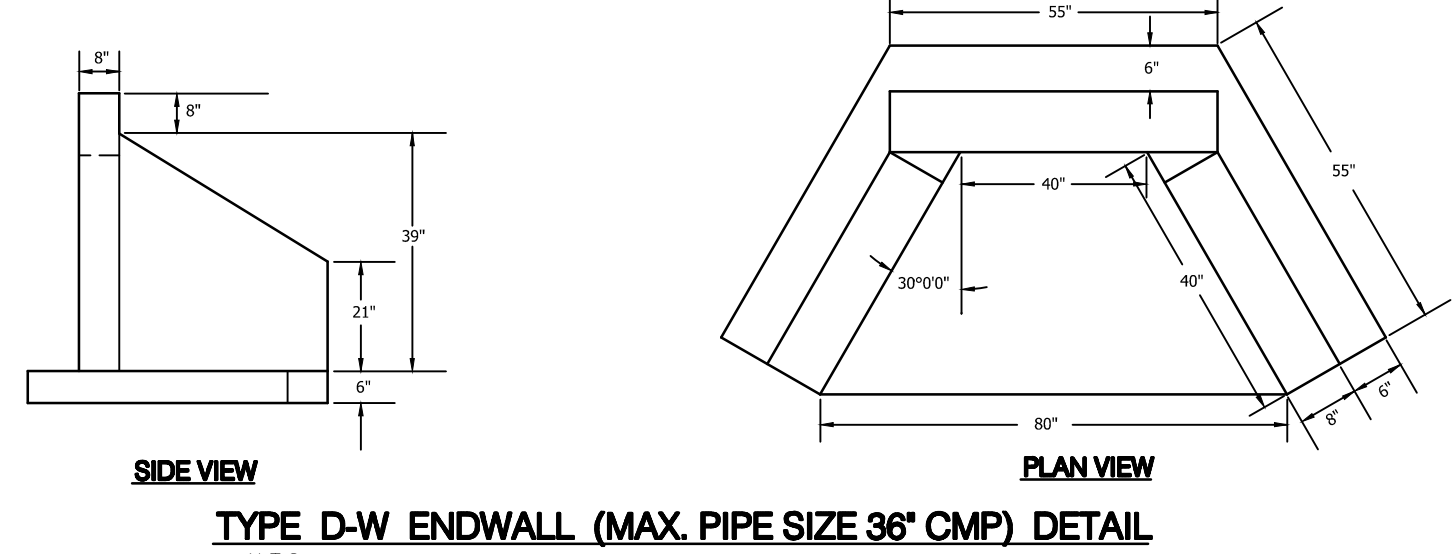
STORM INLET
 N.T.S.

NOTE: CONSTRUCTION OF STORMWATER INLETS SHALL CONFORM TO AND BE IN ACCORDANCE WITH ALL APPLICABLE RC STANDARDS, PENNDOT PUBLICATION 72M AND ALL AMENDMENTS.

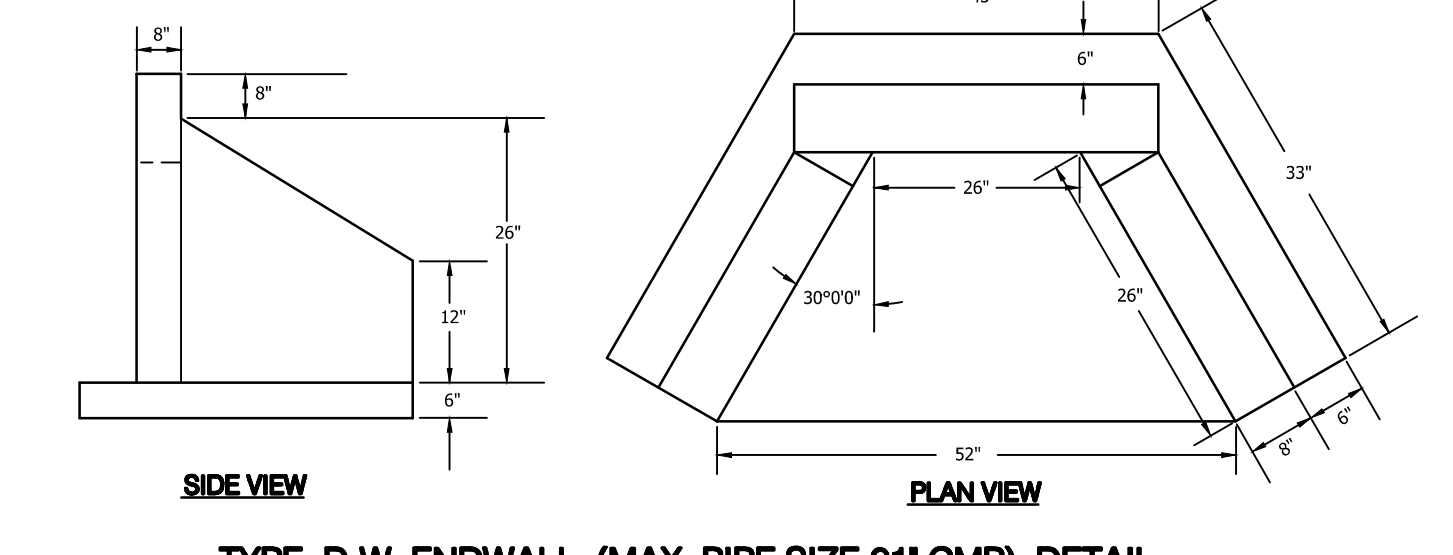


PADOT TYPE "C" INLET

PADOT TYPE "M" INLET



**TYPE D-W ENDWALL (MAX. PIPE SIZE 36\"/>
 N.T.S.**



**TYPE D-W ENDWALL (MAX. PIPE SIZE 21\"/>
 N.T.S.**

CRITICAL STAGE DURING CONSTRUCTION

THE FOLLOWING STAGES REQUIRE INSPECTION BY THE ENGINEER OF RECORD OR DESIGNATED REPRESENTATIVE.

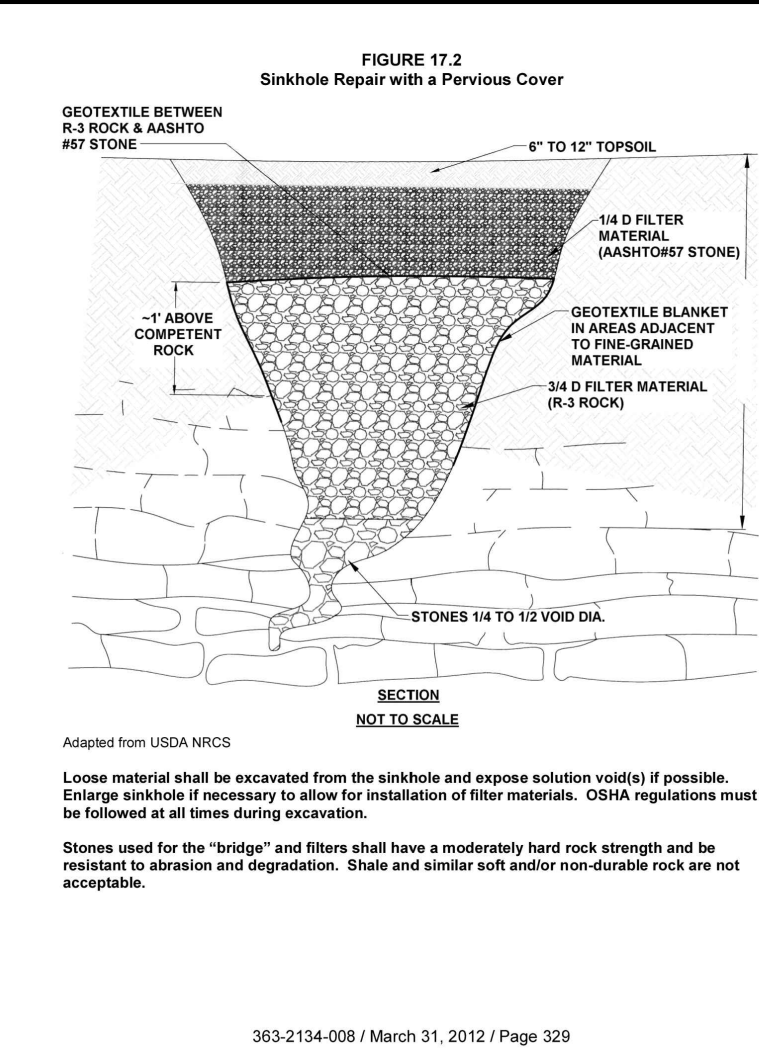
1. INSTALLATION OF WATER QUALITY BASIN UNDERDRAIN SYSTEM PRIOR TO BACKFILL.
2. PLACEMENT OF SOIL MIX. CERTIFICATION OF SOIL MIXES AND/OR AMENDMENTS INDICATING THE SPECIFICATION HAS BEEN MET SHALL BE PROVIDED BY THE CONTRACTOR TO THE ENGINEER PRIOR TO ACCEPTANCE.
3. AS-BUILTS PROVIDED TO THE ENGINEER AFTER FINAL GRADING HAS BEEN COMPLETED TO VERIFY VOLUME. THIS STEP TO BE COMPLETED PRIOR TO SEEDING AND FINAL STABILIZATION. THE ENGINEER MAY REQUEST MODIFICATION OF THE BASIN GRADES IF TOTAL STORAGE VOLUME HAS NOT BEEN ACHIEVED.

PCSM NOTES:

1. OPERATIONS AND MAINTENANCE OF ALL ON-SITE POST CONSTRUCTION STORMWATER MANAGEMENT BMP'S SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER, COMMERCE DRIVE DAUPHIN, LP, OR ITS SUCCESSORS.
2. 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 AT 25 PA. CODE 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 DISCHARGED AT THE SITE.
3. BLEND ANY EXCESS MATERIAL INTO THE SITE WHERE FEASIBLE. IF ANY REMAINING EXCESS MATERIAL IS TO BE REMOVED FROM THE SITE, THE CONTRACTOR MUST FIRST OBTAIN APPROVAL BY THE DCO, AND THE OFF-SITE DISPOSAL AREA MUST HAVE AN APPROVED E&S CONTROL PLAN.
4. WASTES THAT MAY BE GENERATED INCLUDE EXCESS SOIL OR ROCK FROM EARTH-MOVING AND BUILDING AND CONSTRUCTION WASTES.

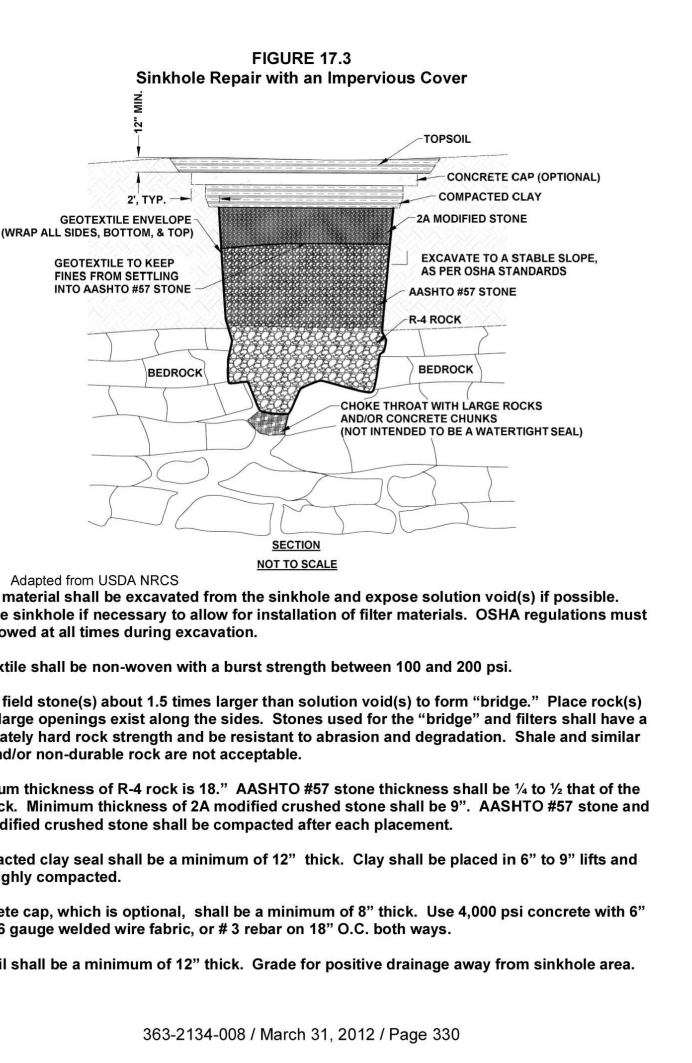
OPERATION AND MAINTENANCE NOTES:

1. THE OWNER WILL PERIODICALLY REMOVE ANY ACCUMULATED DEBRIS FROM THE WATER QUALITY POND AND ITS INLET AND OUT STRUCTURES, AND DISPOSE IN A MANNER ACCEPTABLE TO THE TOWNSHIP.
2. THE OWNER WILL REPAIR ANY AREAS OF RIPRAP OR SLOPES THAT SHOW SIGNS OF SCOUR OR EROSION.
3. EMBANKMENTS SHALL BE KEPT FREE OF TREES AND OTHER WOODY VEGETATION.
4. THE OWNER WILL INSPECT THE EMBANKMENTS EVERY THREE YEARS AND AFTER MAJOR RAINFALL EVENTS.
5. THE OWNER WILL MOW THE GRASS AS NEEDED TO MAINTAIN A SUITABLE COVER.
6. THE OWNER WILL MAKE ANY NECESSARY REPAIRS TO THE EMBANKMENT IF LEAKAGE IS DETECTED AT THE DOWNSTREAM TOE. LEAKAGE COULD BE INDICATED BY THE PRESENCE OF EMERGING WETLAND PLANTS.
7. THE OWNER WILL MAKE REPAIRS TO THE EMERGENCY SPILLWAY IF ANY RUTS OR RILLS ARE EVIDENT.
8. THE OWNER WILL MAKE A VISUAL INSPECTION OF THE EMERGENCY SPILLWAY AFTER ANY 10-YEAR FREQUENCY OR GREATER STORMS.



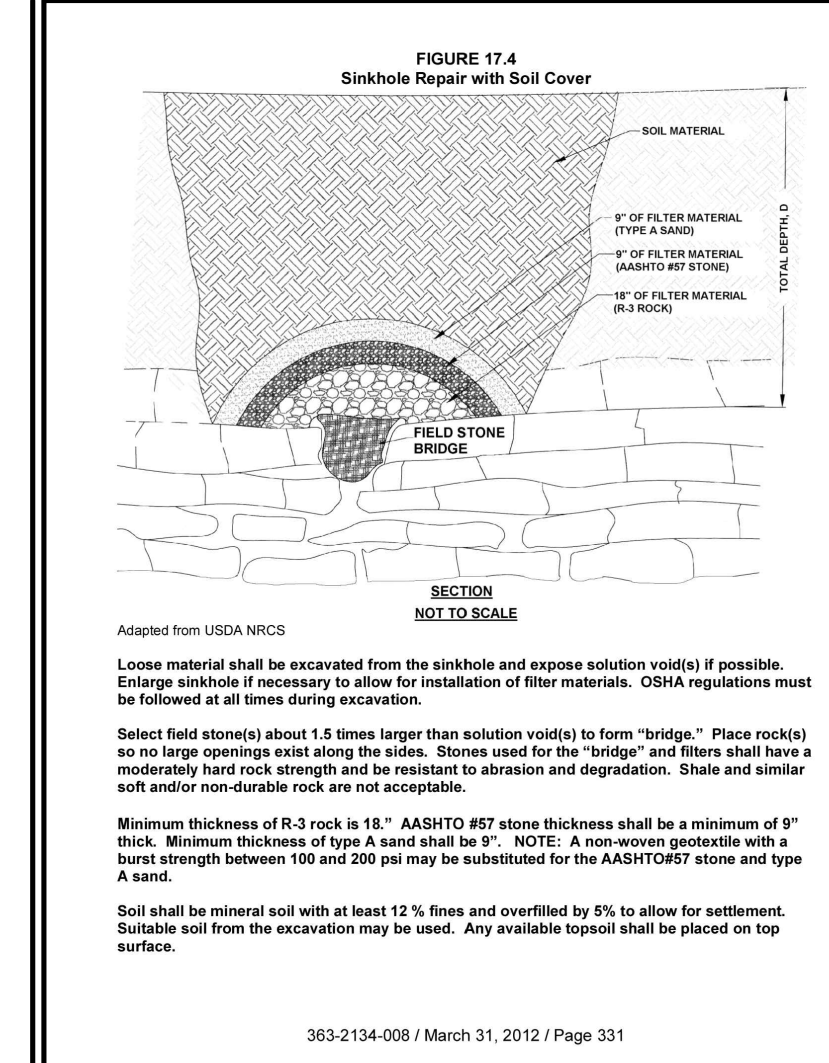
Adapted from USDA NRCS
 Loose material shall be excavated from the sinkhole and expose solution void(s) if possible. Enlarge sinkhole if necessary to allow for installation of filter materials. OSHA regulations must be followed at all times during excavation.
 Geotextile shall be non-woven with a burst strength between 100 and 200 psi.
 Select field stone(s) about 1.5 times larger than solution void(s) to form "bridges." Place rock(s) so no large openings exist along the sides. Stones used for the "bridges" and filters shall have a moderately hard rock strength and be resistant to abrasion and degradation. Shale and similar soft and/or non-durable rock are not acceptable.
 Minimum thickness of R-4 rock is 18". AASHTO #57 stone thickness shall be 1/2 to 3/4 of that of the R-4 rock. Minimum thickness of 2A modified crushed stone shall be 9". AASHTO #57 stone and 2A modified crushed stone shall be compacted after each placement.
 Compacted clay seal shall be a minimum of 12" thick. Clay shall be placed in 6" to 9" lifts and thoroughly compacted.
 Concrete cap, which is optional, shall be a minimum of 8" thick. Use 4,000 psi concrete with 6" 2"x4" 4 gauge welded wire fabric, or #3 rebar on 12" O.C., both ways.
 Topsoil shall be a minimum of 12" thick. Grade for positive drainage away from sinkhole area.

363-2134-008 / March 31, 2012 / Page 329



Adapted from USDA NRCS
 Loose material shall be excavated from the sinkhole and expose solution void(s) if possible. Enlarge sinkhole if necessary to allow for installation of filter materials. OSHA regulations must be followed at all times during excavation.
 Geotextile shall be non-woven with a burst strength between 100 and 200 psi.
 Select field stone(s) about 1.5 times larger than solution void(s) to form "bridges." Place rock(s) so no large openings exist along the sides. Stones used for the "bridges" and filters shall have a moderately hard rock strength and be resistant to abrasion and degradation. Shale and similar soft and/or non-durable rock are not acceptable.
 Minimum thickness of R-4 rock is 18". AASHTO #57 stone thickness shall be 1/2 to 3/4 of that of the R-4 rock. Minimum thickness of 2A modified crushed stone shall be 9". AASHTO #57 stone and 2A modified crushed stone shall be compacted after each placement.
 Compacted clay seal shall be a minimum of 12" thick. Clay shall be placed in 6" to 9" lifts and thoroughly compacted.
 Concrete cap, which is optional, shall be a minimum of 8" thick. Use 4,000 psi concrete with 6" 2"x4" 4 gauge welded wire fabric, or #3 rebar on 12" O.C., both ways.
 Topsoil shall be a minimum of 12" thick. Grade for positive drainage away from sinkhole area.

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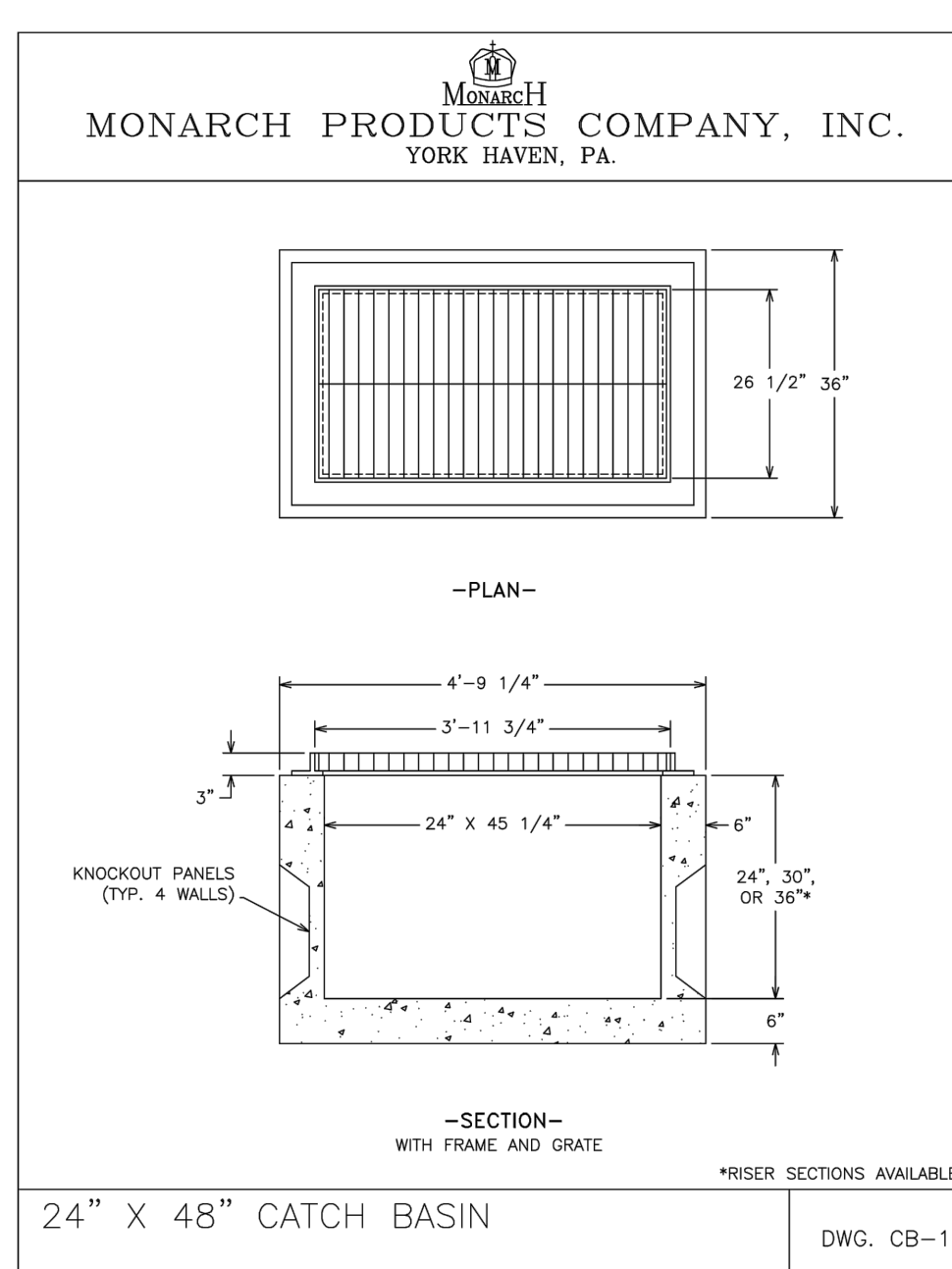
Adapted from USDA NRCS
 Loose material shall be excavated from the sinkhole and expose solution void(s) if possible. Enlarge sinkhole if necessary to allow for installation of filter materials. OSHA regulations must be followed at all times during excavation.
 Select field stone(s) about 1.5 times larger than solution void(s) to form "bridges." Place rock(s) so no large openings exist along the sides. Stones used for the "bridges" and filters shall have a moderately hard rock strength and be resistant to abrasion and degradation. Shale and similar soft and/or non-durable rock are not acceptable.
 Minimum thickness of R-3 rock is 18". AASHTO #57 stone thickness shall be a minimum of 9" thick. Minimum thickness of type A sand shall be 9". NOTE: A non-woven geotextile with a burst strength between 100 and 200 psi may be substituted for the AASHTO #57 stone and type A sand.
 Soil shall be mineral soil with at least 12% fines and overfilled by 5% to allow for settlement. Suitable soil from the excavation may be used. Any available topsoil shall be placed on top surface.

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GENERAL SINKHOLE REPAIR POLICIES:

1. THE AREA OF THE SINKHOLE SHOULD BE EXCAVATED UNTIL THE "THROAT" OF THE SINKHOLE IS DISCOVERED.
2. ALL LOOSE SOIL OR MATERIAL SHOULD BE REMOVED.
3. THE THROAT OF THE SINKHOLE SHOULD BE EVALUATED FOR STABILITY AND/OR THE PRESENCE OF ADDITIONAL FRACTURES.
4. THE SINKHOLE SHOULD THEN BE BACKFILLED USING A GEOTEXTILE FILTER FABRIC FIRST, NOT GEOTEXTILE CLASS 1 TYPE B, THEN USE R-5 STONE UP TO ABOUT 36" FROM FINISHED GRADE.
5. FOLD THE GEOTEXTILE FILTER FABRIC OVER ITSELF TO CREATE A "BAG".
6. ADD ABOUT 24" OF 2A MODIFIED STONE TO AROUND A FOOT BELOW FINAL GRADE DEPENDING ON WHERE THE SINKHOLE IS AND WHAT MATERIAL IS NEEDED TO FINISH BACKFILLING.

SINKHOLE AND SINKHOLE AREA TREATMENT
 N.T.S.



24" X 48" CATCH BASIN
 DWG. CB-11

NO.	REVISION	DATE
1	TOWNSHIP COMMENTS	05/06/22
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3		
4		
5	HOP REVISIONS	1/24/22

R. J. FISHER & ASSOCIATES, INC.
 SITE PLANNING & CIVIL ENGINEERING & LAND SURVEYS
 1546 BRIDGE STREET, NEW CUMBERLAND, PA. 17070
 PHONE: (717) 774-7534 & FAX: (717) 774-7190
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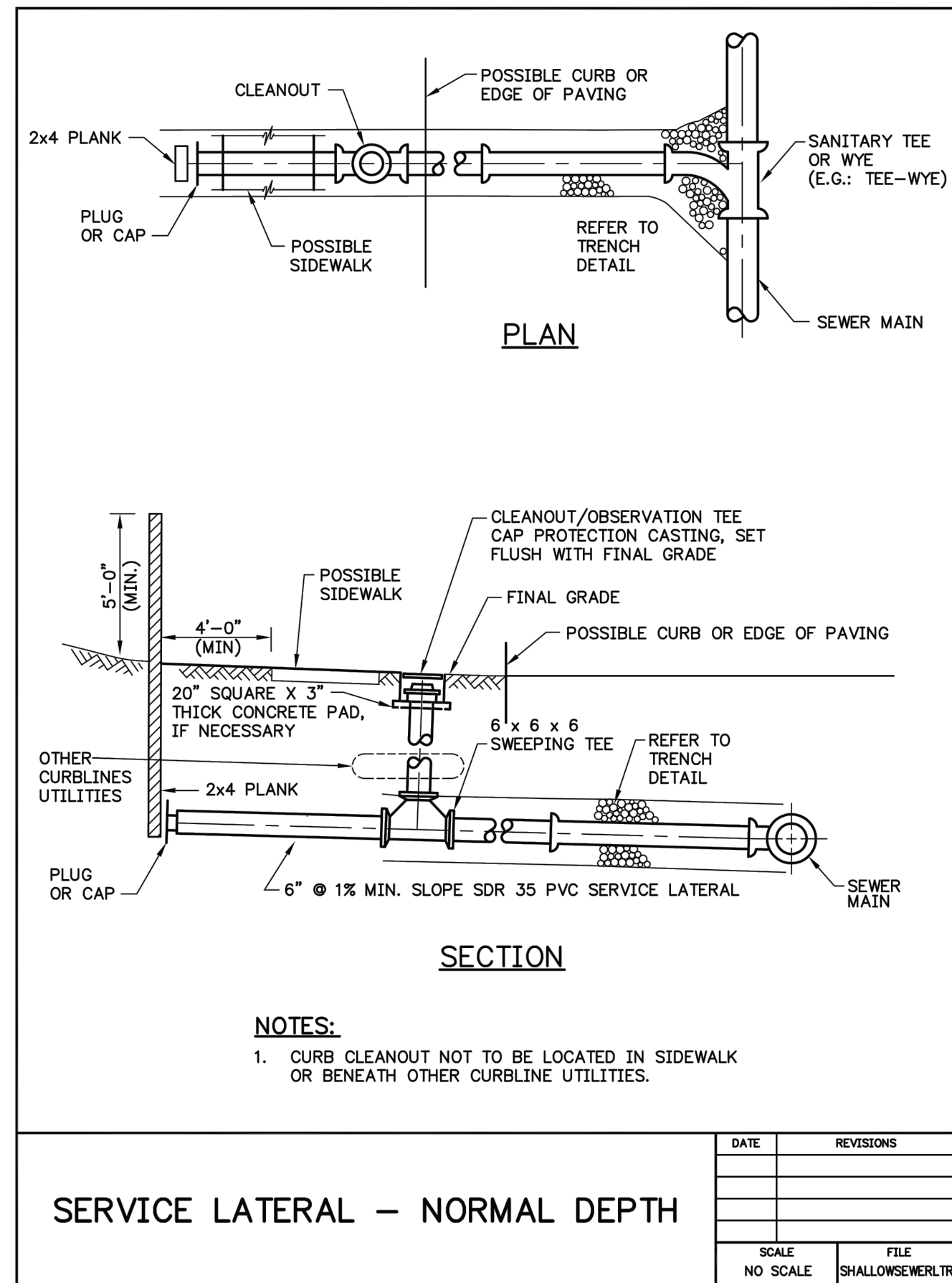
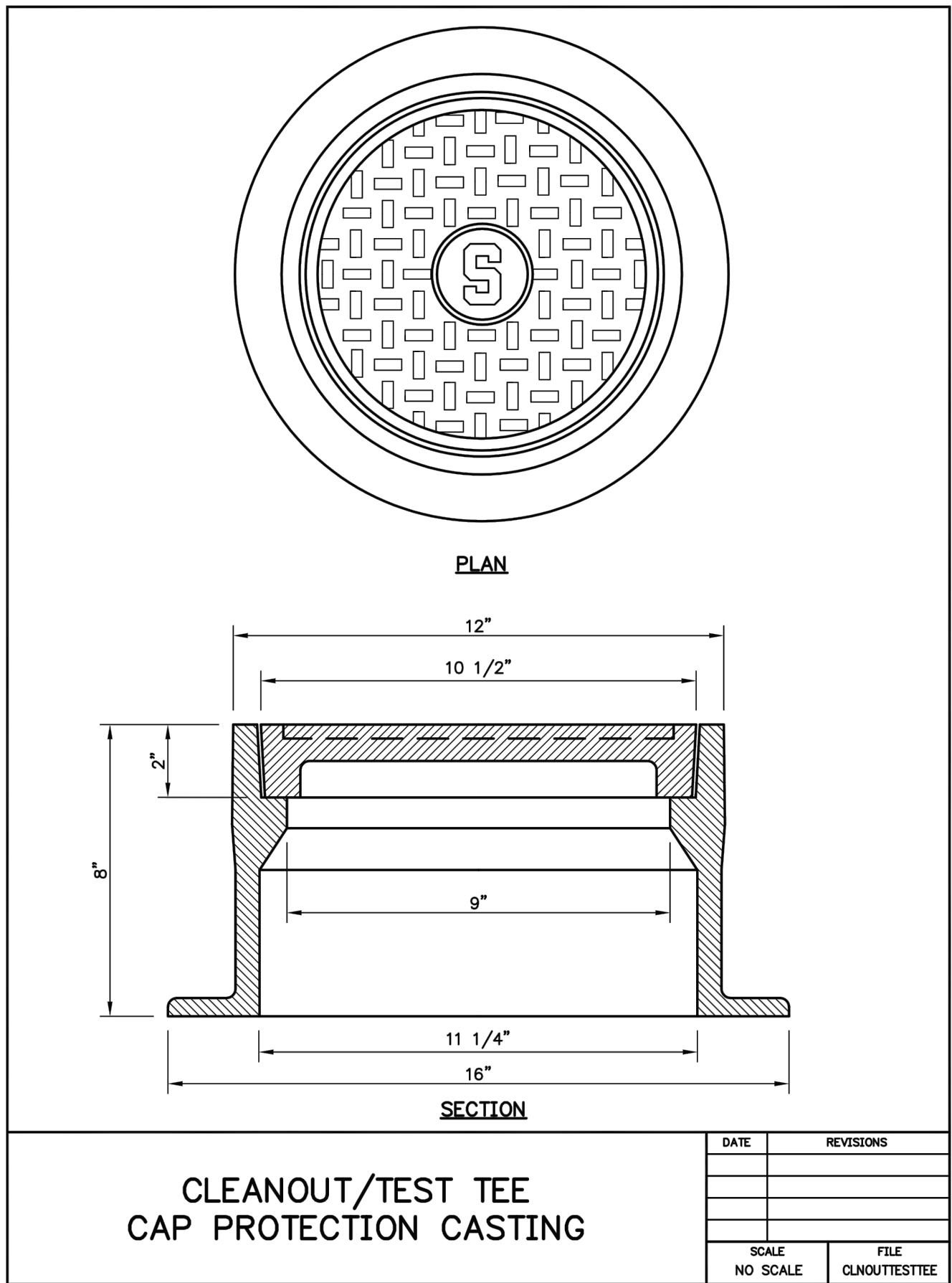
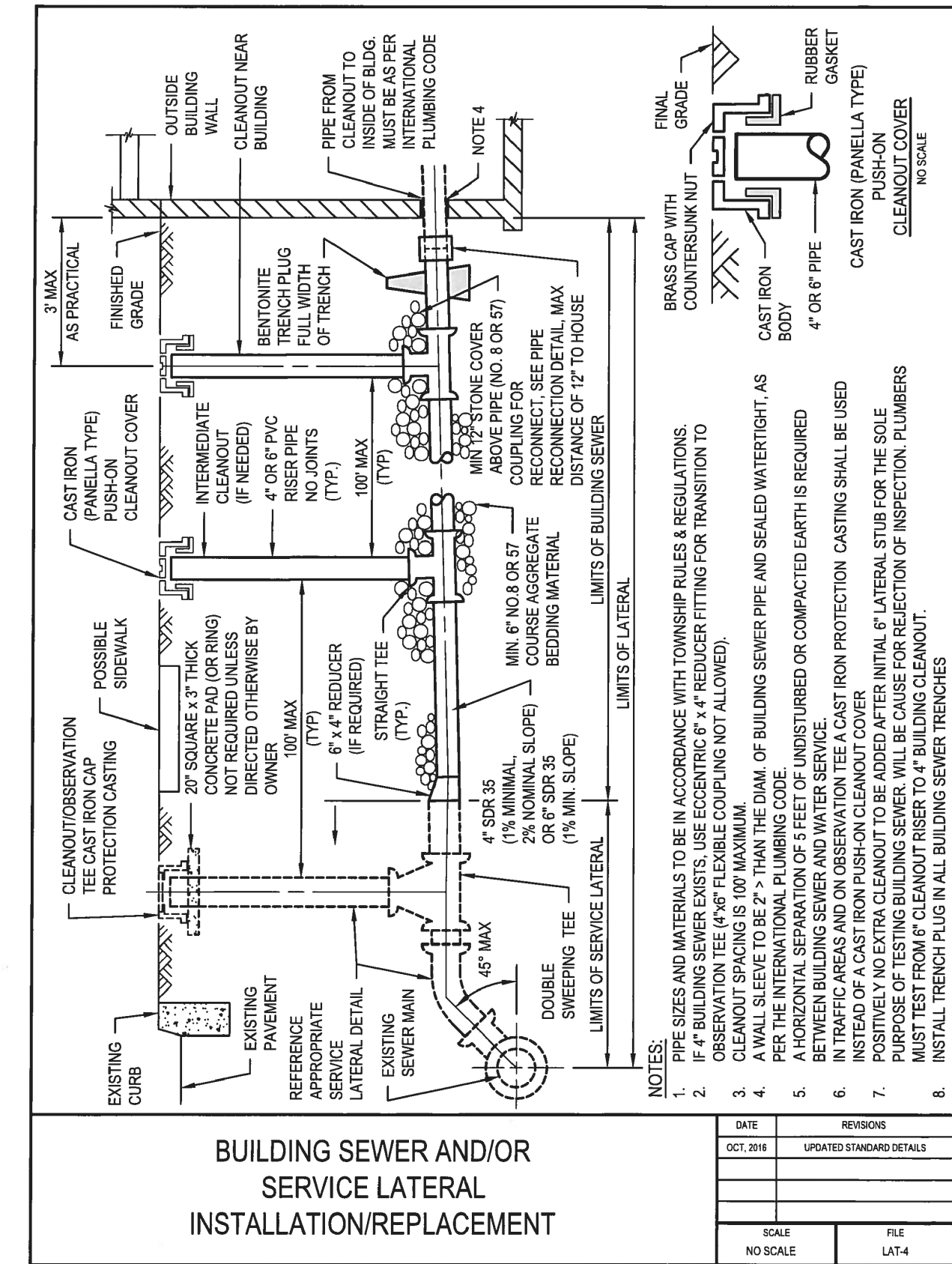
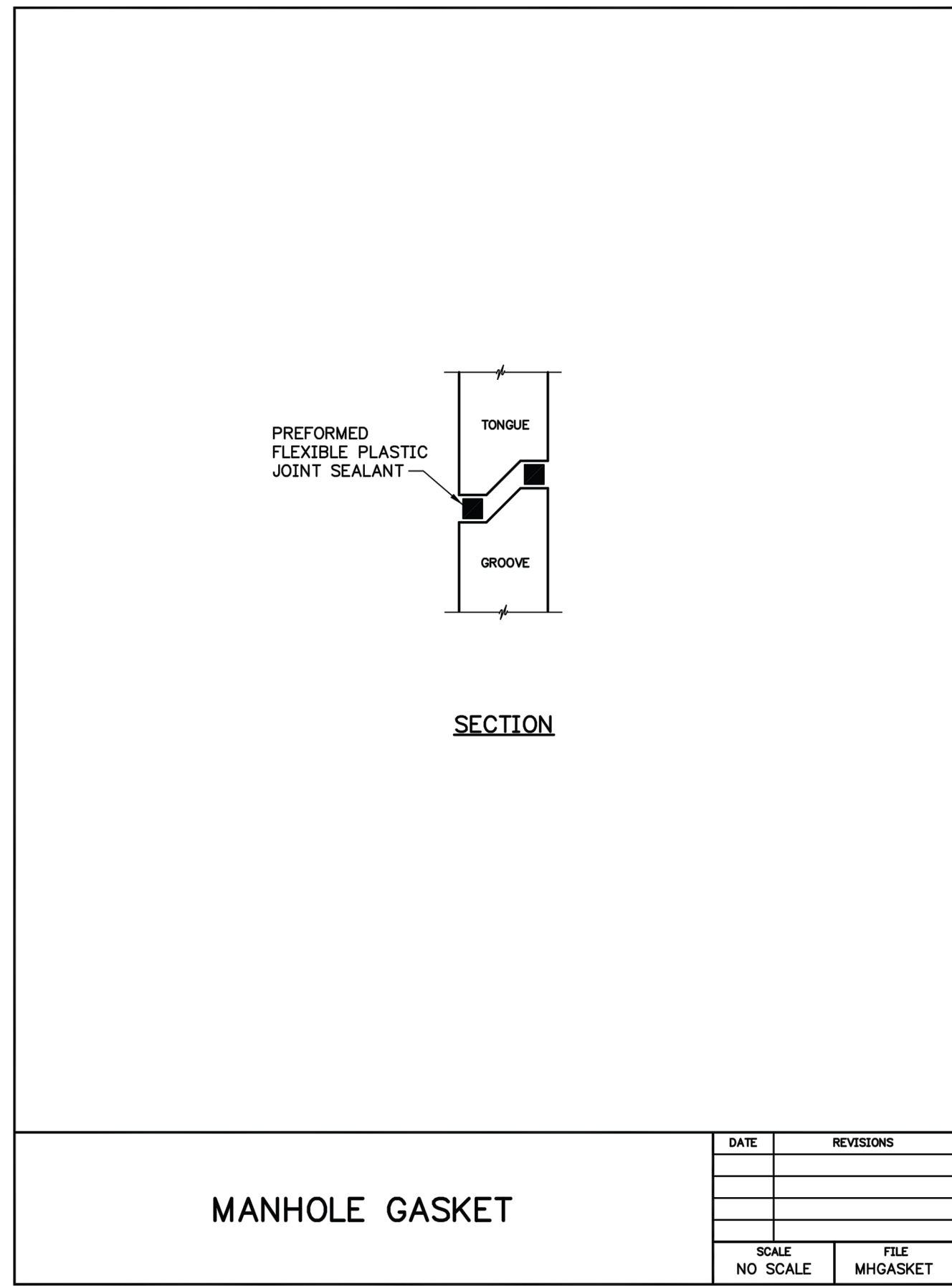
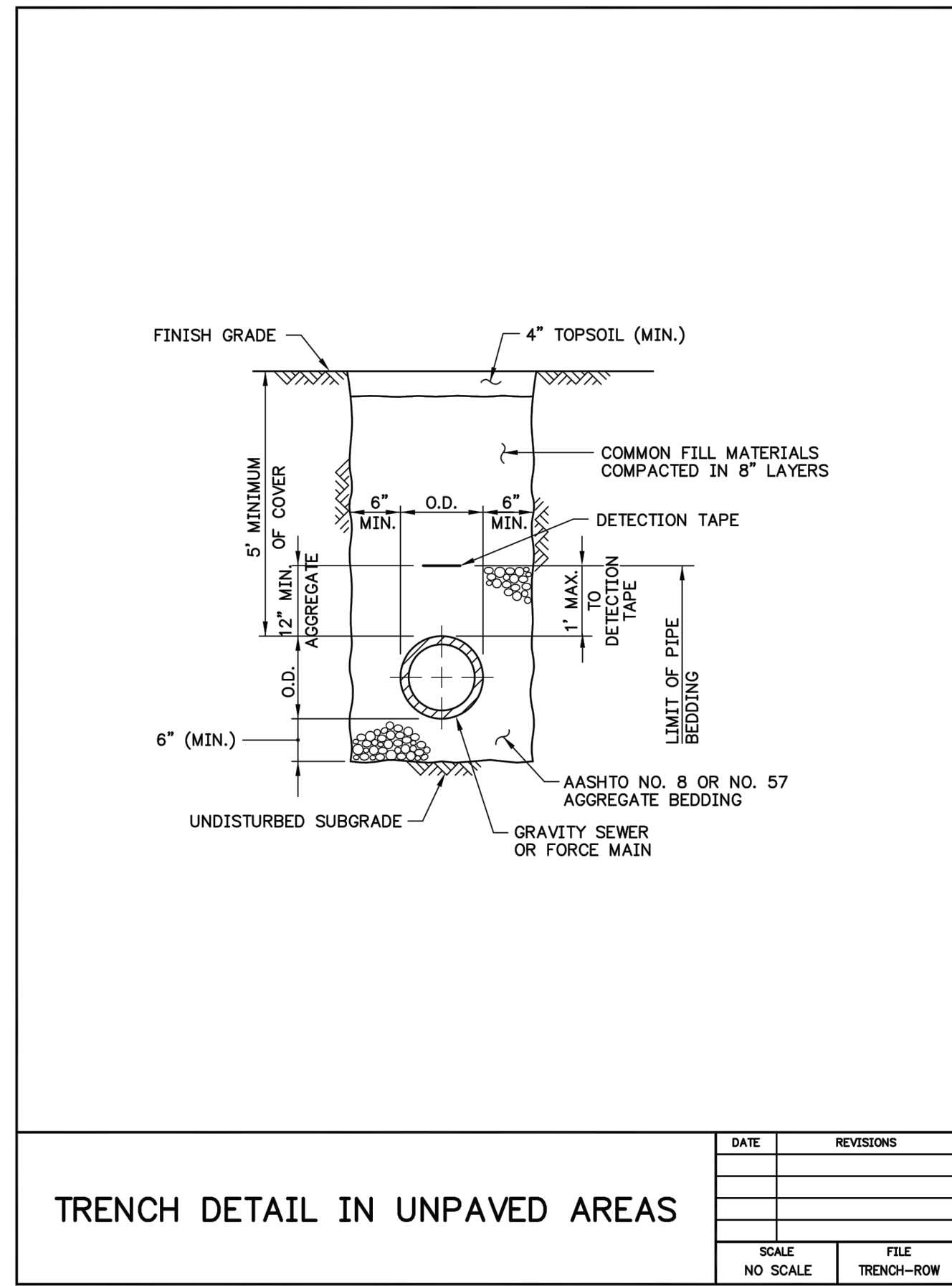


PCSM DETAILS
 FOR
RUSSEL DRIVE LOT 2
 LOCATED IN
 SUSQUEHANNA TOWNSHIP, DAUPHIN COUNTY, PA

DRAWING ID: 222012-DET
 PROJECT: 220021
 DATE: 4/8/2022
 SHEET: 12 OF 15

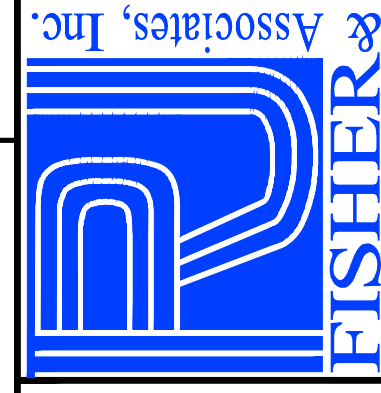
SANITARY SEWER NOTES:

- All materials used and construction methods employed are to be in accordance with the latest standards of the Susquehanna Township Authority.
- For sewer detail drawings reference Standard Construction and Material Specifications, Susquehanna Township Authority.
- Contractor shall test pit all existing utility crossings prior to installing any sanitary sewer pipe to verify existing horizontal and vertical elevations to assure no conflict with new sewer.
- All service laterals shall be 6 inch pipes.



NO.	REVISION	DATE
1	TOWNSHIP COMMENTS	05/06/22
2	TOWNSHIP COMMENTS	06/24/22
3		
4		
5	HCP REVISIONS	1/24/22

R. J. FISHER & ASSOCIATES, INC.
 SITE PLANNING & CIVIL ENGINEERING & LAND SURVEYS
 1546 BRIDGE STREET, NEW CUMBERLAND, PA. 17070
 PHONE: (717) 774-7534 & FAX: (717) 774-7190
RJFISHERENGINEERING.COM

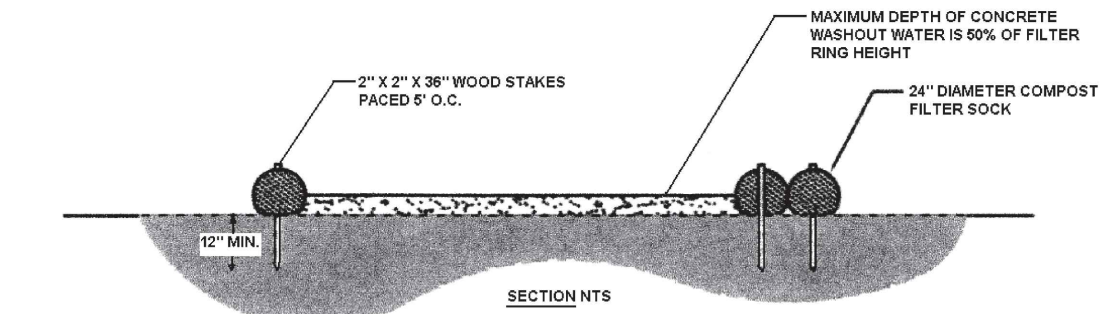


SANITARY SEWER DETAILS
 FOR
RUSSEL DRIVE LOT 2
 LOCATED IN
 SUSQUEHANNA TOWNSHIP, DAUPHIN COUNTY, PA

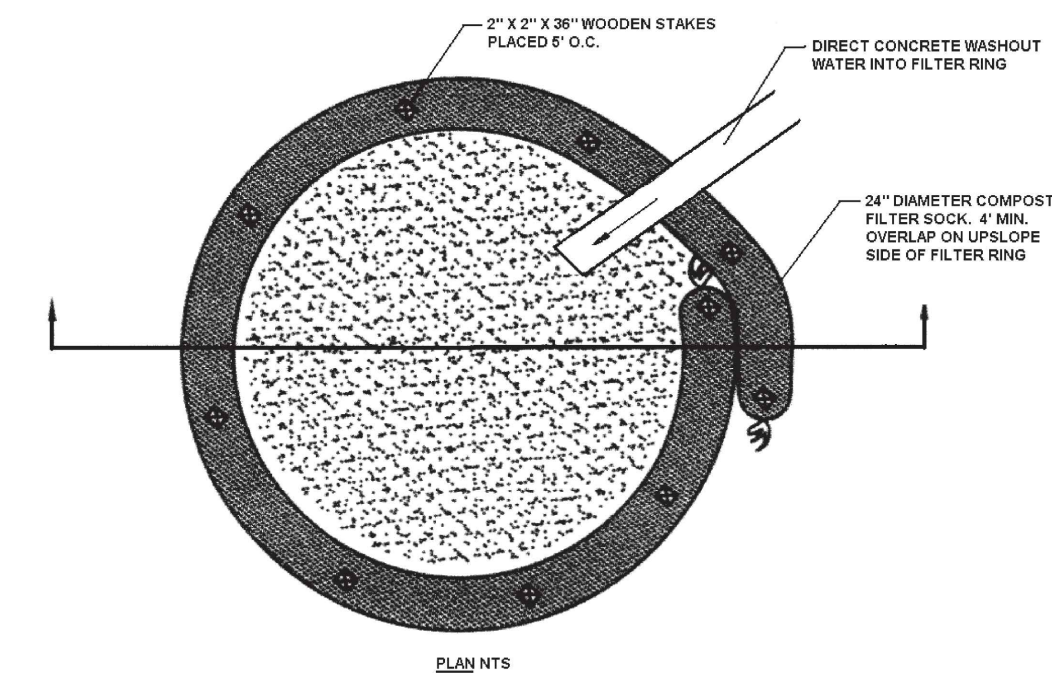
DRAWING ID:	222012-DET
PROJECT:	220021
DATE:	4/8/2022
SHEET:	13 OF 15



FIGURE 3.18
Typical Compost Sock Washout Installation

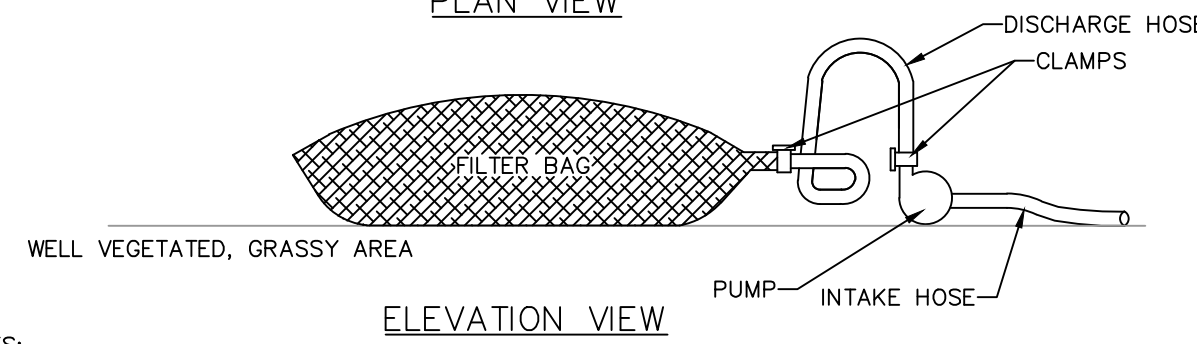
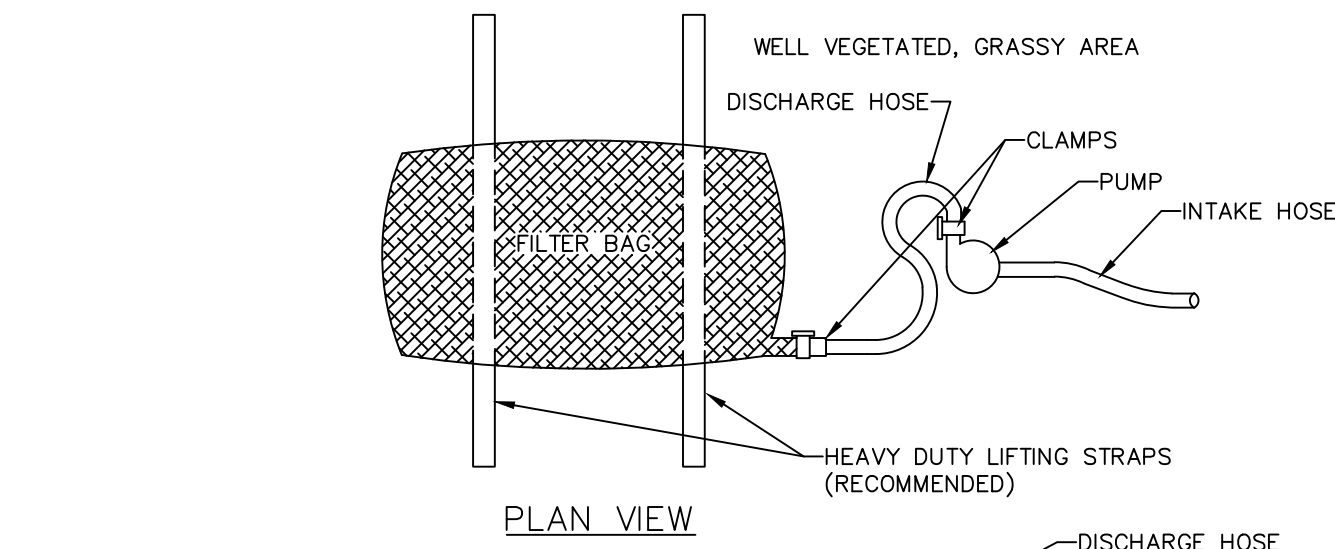


NOTES:
1. INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE.
2. 2" DIAMETER FILTER SOCKS MAY BE STACKED ON TOP OF EACH OTHER TO INCREASE HEIGHT.
3. DOUBLE 2" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.



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

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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.

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 WHERE GRASSY AREA IS NOT AVAILABLE.

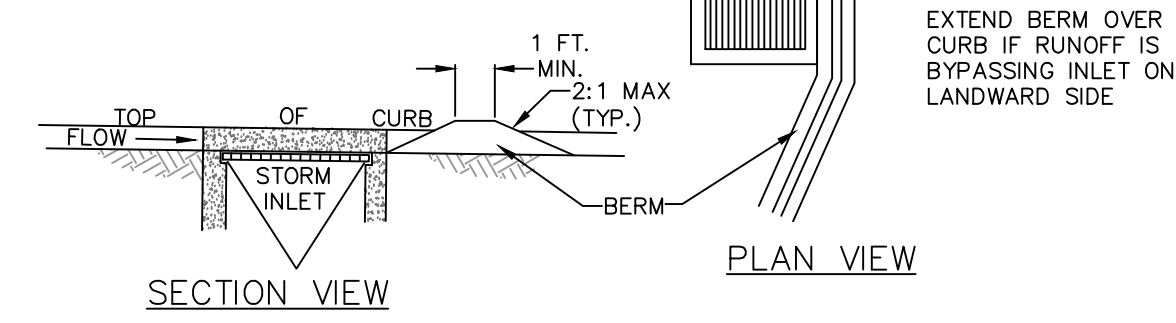
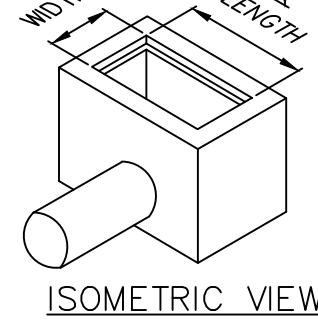
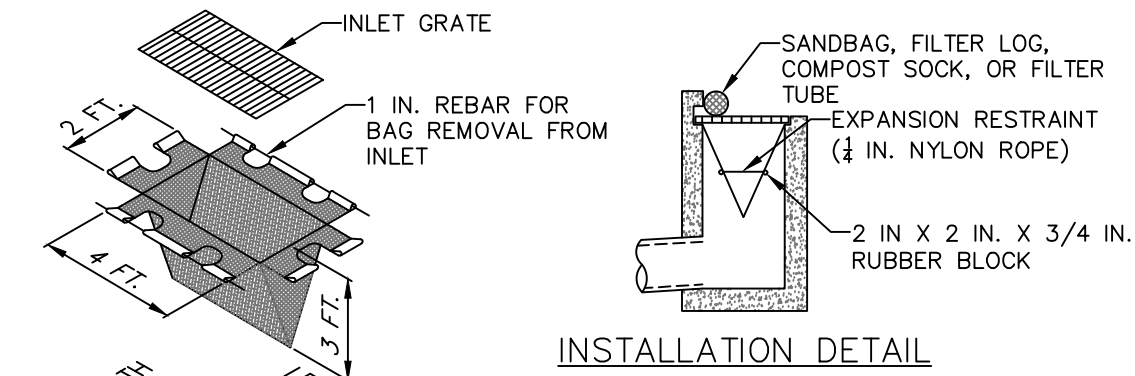
THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.

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 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.

STANDARD CONSTRUCTION DETAIL #3-16
PUMPED WATER FILTER BAG

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 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 SIEVE.

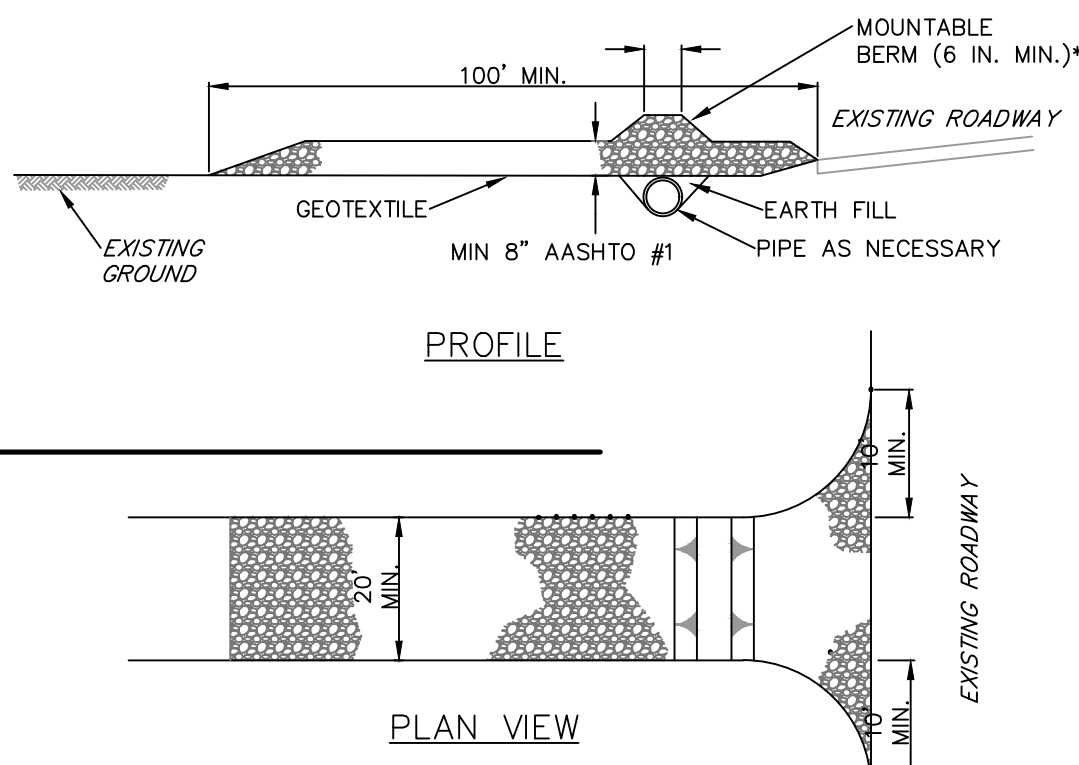
INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED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

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

STANDARD CONSTRUCTION DETAIL #4-15
FILTER BAG INLET PROTECTION - TYPE C INLET

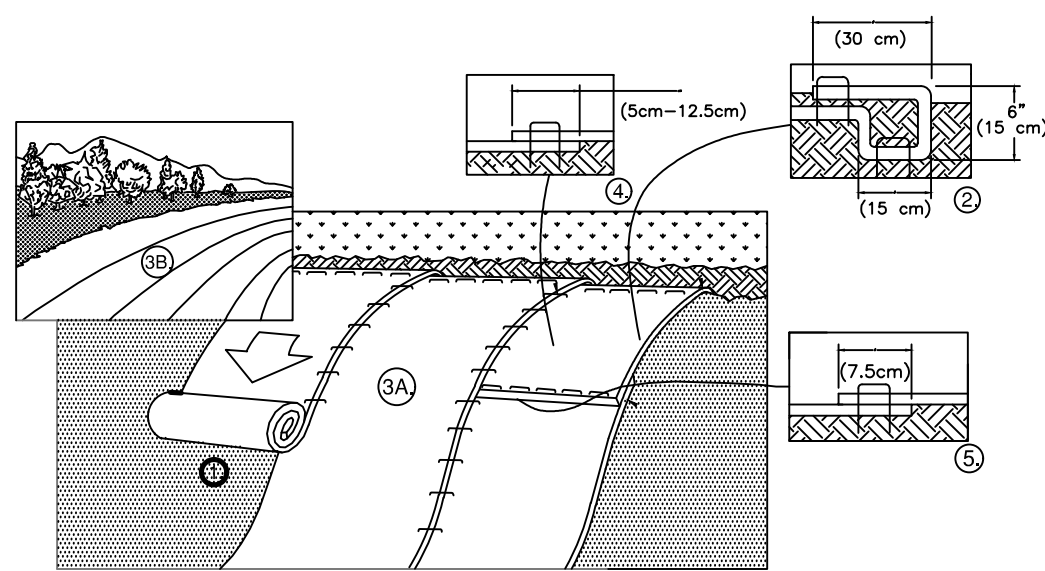
N.T.S.

NOTES:
REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.
RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL 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.
MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK, WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.



ROCK CONSTRUCTION ENTRANCE
NOT TO SCALE

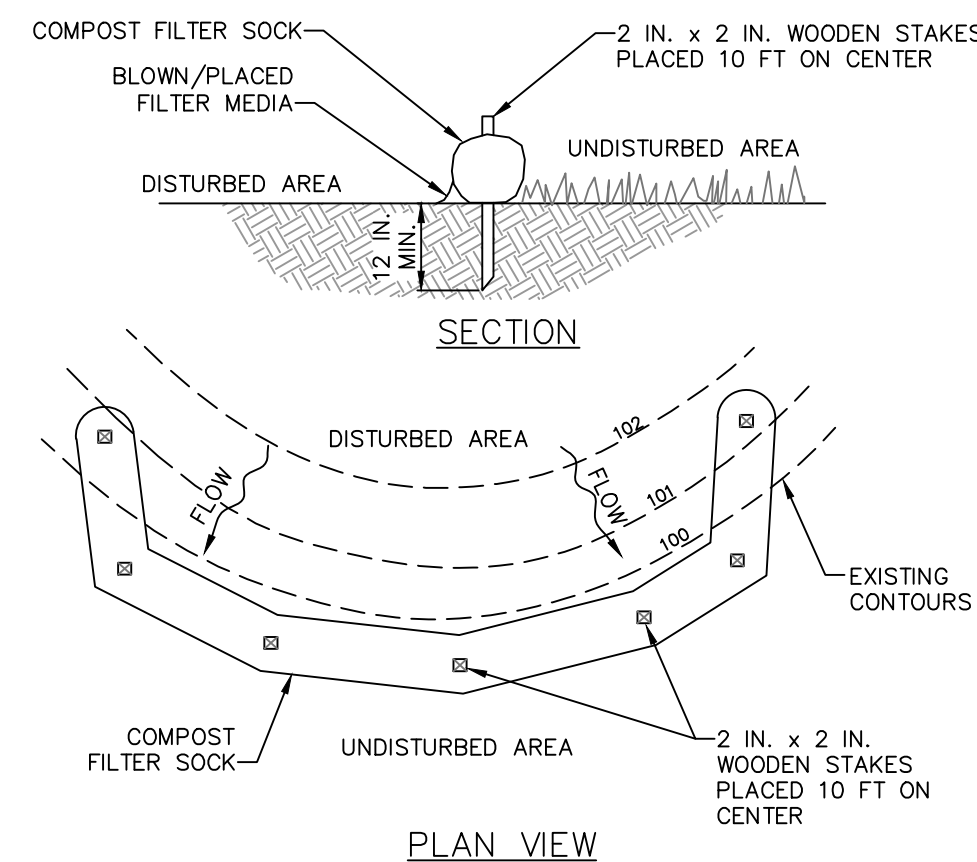
* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE



- NOTE: EROSION CONTROL MATTING SHALL BE NORTH AMERICAN GREEN S75, OR APPROVED EQUAL.
- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
 - NOTE: WHEN USING CELL-OR-SEED DO NOT SEED PREPARED AREA. CELL-OR-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
 - BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND TOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
 - ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL "DOT SYSTEM" STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
 - THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5cm-12.5cm) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
 - CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.

NOTE:
* IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

EROSION CONTROL MATTING ON SLOPE
N.T.S.



COMPOST FILTER SOCK
NOT TO SCALE

NOTES:

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

COMPOST FILTER SOCK TABLE			
SOCK NO.	DIA. (IN)	LOCATION	SLOPE LENGTH ABOVE BARRIER (FT)
1	18	AS SHOWN ON E&S PLAN	7.8
2	12	AS SHOWN ON E&S PLAN	4.0
3	12	AS SHOWN ON E&S PLAN	5.6
4	18	AS SHOWN ON E&S PLAN	3.9
5	18	AS SHOWN ON E&S PLAN	4.0
6	12	AS SHOWN ON E&S PLAN	2.0
7	12	AS SHOWN ON E&S PLAN	2.0
8	12	AS SHOWN ON E&S PLAN	2.9

E&S DETAILS
FOR

RUSSEL DRIVE LOT 2

LOCATED IN
SUSQUEHANNA TOWNSHIP, DAUPHIN COUNTY, PA

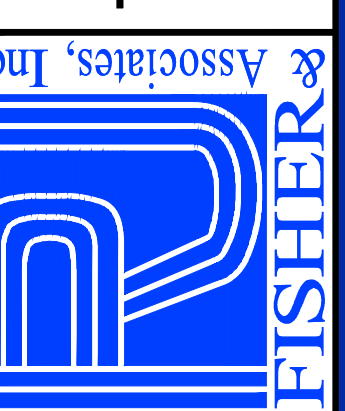
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R. J. FISHER & ASSOCIATES, INC.
SITE PLANNING & CIVIL ENGINEERING & LAND SURVEYS
1546 BRIDGE STREET, NEW CUMBERLAND, PA. 17070
PHONE: (717) 774-7534 & FAX: (717) 774-7190
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NO.	REVISION	DATE
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4	---	---
5	HOP REVISIONS	1/24/22

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