

PIRATES COVE SUBDIVISION

SITE DEVELOPMENT PLAN

CIVIL ENGINEER:
TEKTON ENGINEERING, LLC
4805 EAST MAIN STREET
BERLIN, OHIO 44610
PH. 330-893-0230
ENGINEER OF RECORD: WILLIAM J. PIZZINO, P.E.
PROJECT ENGINEER: JASON S. BILTZ, E.I.T

OWNERS:
RBK HOLDINGS LLC
4167 WINKLEPLECK RD. NW
SUGARCREEK, OHIO 44681
RBKHOLD@YAHOO.COM
PH: 330-600-0567
PH: REUBAN BURKHOLDER

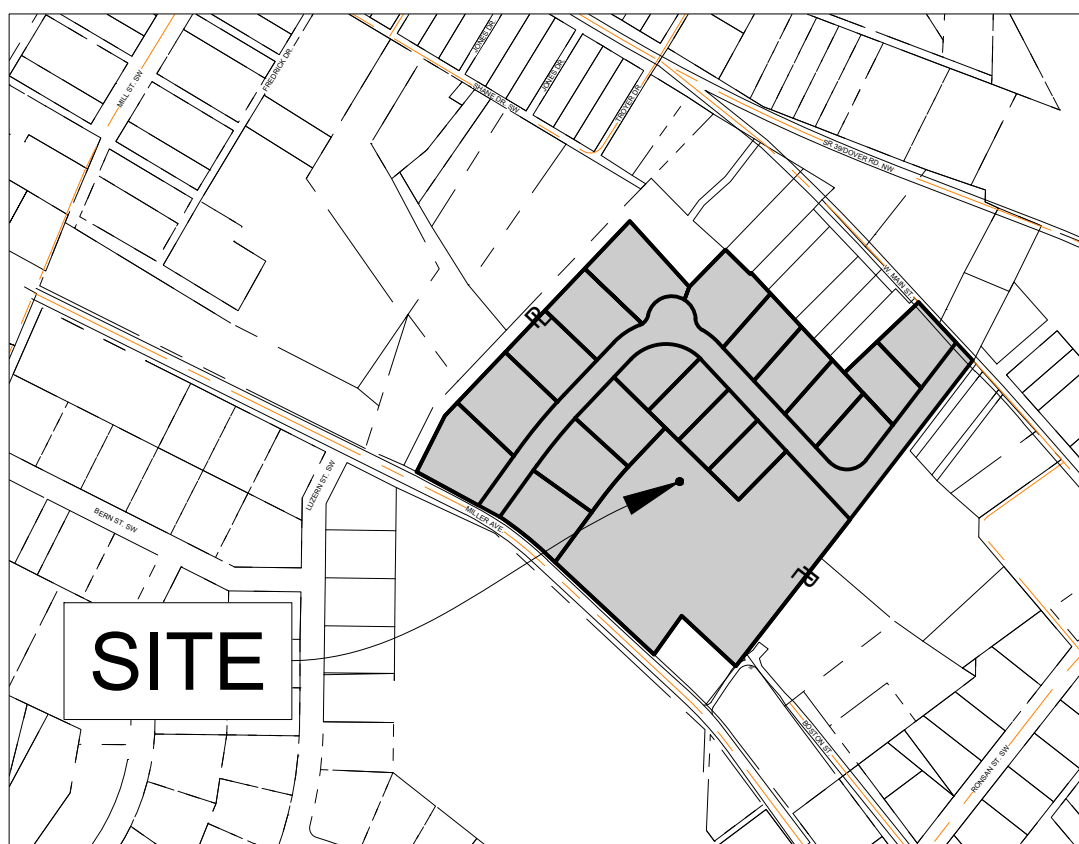
GENERAL CONTRACTOR:
N/A

APPROVAL :

SUBDIVISION OWNER: *Bob Bickhold*

VILLAGE OF SUGARCREEK: *[Signature]*

SITE ADDRESS:
806 W. MAIN ST.
SUGARCREEK, OHIO 44681
TUSCARAWAS COUNTY



 VICINITY MAP
1"=400'



LOCATION MAP
N.T.S.

SITE NOTES:

1. Contractor shall notify OHIO811 to determine the locations of all the utilities within the work area prior to construction.
2. Final grading around building shall slope away from the building to prevent surface water from pooling near the building walls or flowing towards the building walls.
3. Contractor shall review the slopes for the concrete pads along the exterior of the building prior to construction. Concrete landings by egress doors shall be level on the interior and exterior of the doors.

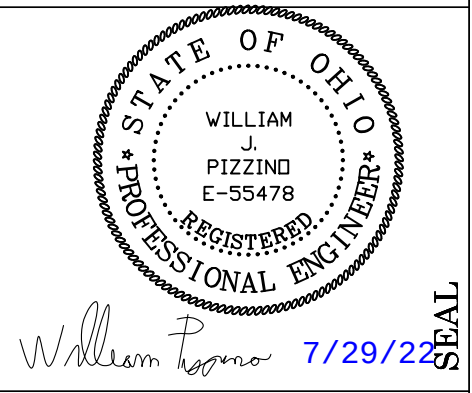


SHEET NO.	DRAWING TITLE
C-100	COVER SHEET
C-101	EXISTING CONDITIONS
C-200	SITE PLAN
C-201	UTILITY PLAN
C-202	GRADING PLAN
C-203	GRADING MAP
C-204-C-211	ROAD PLAN AND PROFILES
C-212	MISC. DETAILS
C-213	TYPICAL SECTIONS & DETAILS
U-100-U-104	SANITARY PLAN AND PROFILES
U-105	SANITARY DETAILS
W-100-W-102	WATER PLAN AND PROFILES
W-103	WATER DETAILS
S-100-S-103	STORM WATER PLAN AND PROFILES
S-104	STORM WATER DETAILS
S-105	CONSTRUCTION SWP3
S-106	POST CONSTRUCTION SWP3 AND BASIN DETAIL
S-107	SWP3 DETAILS

[illegible]

PIRATES COVE SUBDIVISION
806 W. MAIN ST.
SUGARCREEK, OHIO 44681
TUSCARAWAS COUNTY

CONTRACTOR:



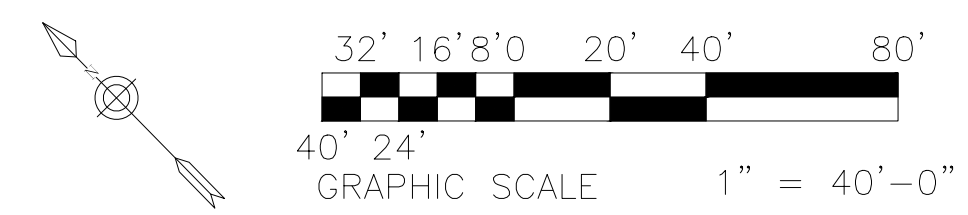
TEKTON
ENGINEERING

4805 E. MAIN ST. P.O. BOX 347 BERLIN, OH 44610
Phone # 330-893-0230 WWW.TEKTON-ENG.COM

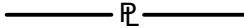
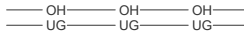
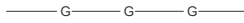
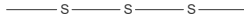
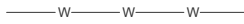
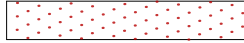
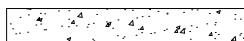
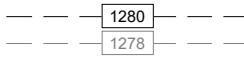
 IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING WILL HAVE BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.		
Mark	Revisions	Date
Date:	6/16/2022	
Scale:	AS NOTED	
Drawn by :	RES	
Checked by:	BP	
Job:	20-286	
Sheet Title		

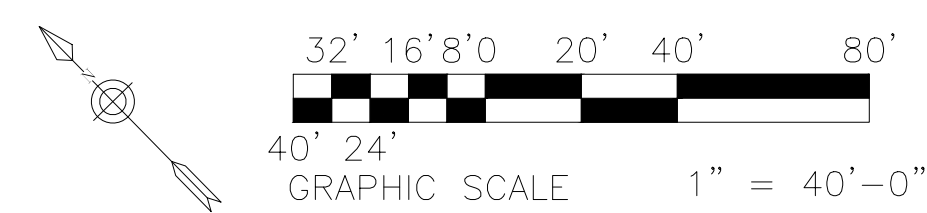
C-100

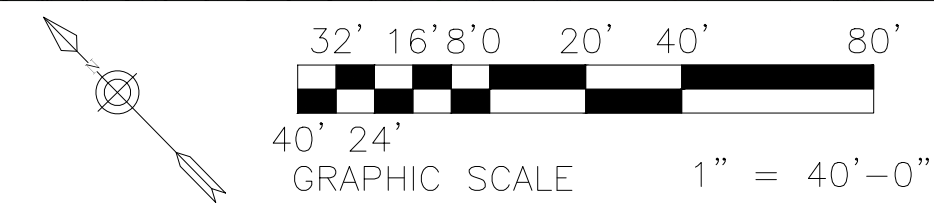
COVER SHEET



LEGEND

PROPERTY LINE EXTENTS	
ADJACENT PROPERTY LINES	
EX. PAVEMENT EXTENTS	
ROAD CENTERLINE	
ROAD RIGHT-OF-WAY	
EX. ELECTRIC LINE	
UTILITY POLE	
EX. GAS LINE	
EX. SEWER	
EX. COMMUNICATIONS LINE	
EX. WATER LINE	
EX. FIRE HYDRANT	
EX. WATER VALVE	
PROP. STORM	
PROP. SEWER	
PROP WATER LINE	
PROP. ASPHALT	
PROP. CONCRETE	
EX. CONTOURS	
PROP. CONTOURS	





- NOTES:
1. TOPOGRAPHY
 - 1.1. EXISTING TOPOGRAPHY DERIVED FROM COUNTY GIS.
 2. CUTFILL
 - 2.1. CUT/FILL NUMBERS ARE ESTIMATES ONLY. CUT/FILL SHALL BE VERIFIED AND ADJUSTED AS NEEDED BY THE CONTRACTOR
 - 2.2. PRIOR TO COMPACTED FILL PLACEMENT, EXCAVATOR IS TO STRIP TOPSOIL TO SUBSOIL. STOCKPILE TOPSOIL AT LOCATIONS SHOWN ON THE "CONSTRUCTION SHEET" OR Haul, TO AN APPROPRIATE AND AGREED UPON OFFSITE LOCATION. PLACE FILL ON EXPOSED SCARIFIED SUBSOIL UNTIL THE SATISFIED ELEVATIONS ARE MET. ENSURE THE SOIL COMPACTION MEETS THE REQUIREMENTS SET FORTH IN NOTE 3.1."
 3. COMPACTION
 - 3.1. STRUCTURAL FILL IS TO BE COMPACTED TO A MINIMUM VALUE OF 90% RELATIVE COMPACTION TO ASTM D1557-79
 - 3.2. GRUB & SCARIFY SLOPE PRIOR TO EARTHWORK ACTIVITIES. MINIMUM ORGANIC CONTENT 2% (BY WEIGHT) IN STRUCTURAL FILL.
 - 3.3. BENCHES/EXCAVATION TO EXTEND A MINIMUM OF 0.50 FEET BENEATH SOIL OR REGolith HORIZON AT ALL LOCATIONS. BENCH WIDTHS ARE AT THE DISCRETION OF THE CONTRACTOR. THE REQUIRED DEPTH OF EXCAVATION IS TO BE CONFIRMED IN THE FIELD DURING CONSTRUCTION BY EITHER THE SOILS ENGINEER OR THE ENGINEERING GEOLOGIST.
 - 3.4. THE MAXIMUM FINISH SLOPE IS TO BE 2:1 (HORIZONTAL TO VERTICAL).

Cut/Fill Summary						
Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
CUT-FILL	1.000	1.000	562018.56 Sq. Ft.	41867.13 Cu. Yd.	42236.32 Cu. Yd.	369.19 Cu. Yd.<Fill>
Totals			562018.56 Sq. Ft.	41867.13 Cu. Yd.	42236.32 Cu. Yd.	369.19 Cu. Yd.<Fill>

LEGEND

PROPERTY LINE EXTENTS	
PAVEMENT EXTENTS	
ROAD CENTERLINE	
ROAD RIGHT-OF-WAY	
EXISTING CONTOURS	
PROPOSED CONTOURS	
STRUCTURAL CUT AREA & DEPTH OF CUT	
STRUCTURAL FILL AREA & DEPTH OF FILL	

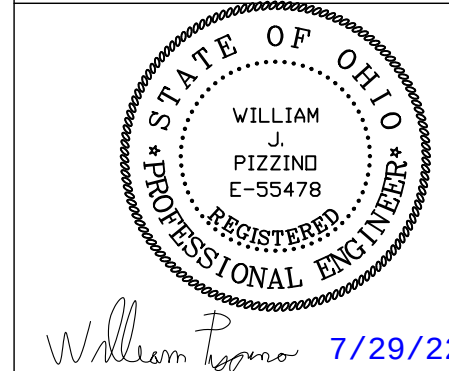
PIRATES COVE SUBDIVISION
806 W. MAIN ST.
SUGARCREEK, OHIO 44681
TUSCARAWAS COUNTY

IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING WILL HAVE BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

Mark	Revisions	Date
Date:	6/16/2022	
Scale:	AS NOTED	
Drawn by :	RES	
Checked by:	BP	
Job:	20-286	
Sheet Title		

C-203

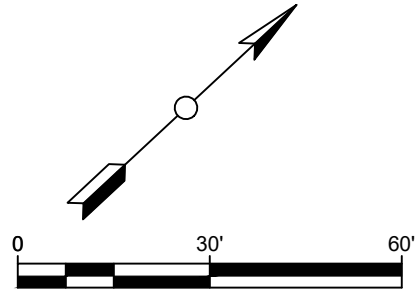
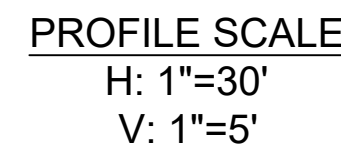
GRADING MAP



CONTRACTOR:



4805 E. MAIN ST. P.O. BOX 347 BERLIN, OH 44610
Phone # 330-893-0230 WWW.TEKTON-ENG.COM



806 W. MAIN ST.
SUGARCREEK, OHIO 44681
TUSCARAWAS COUNTY

PRIVATE ROAD 300 PLAN AND PROFILE

TEKTON
ENGINEERING

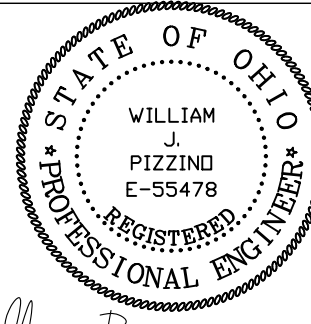
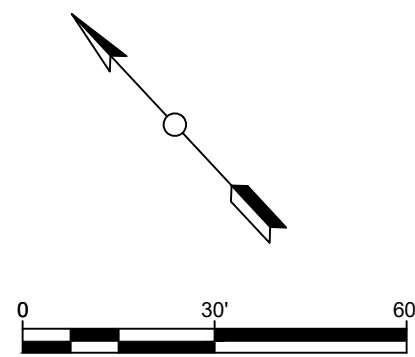
4805 E. MAIN ST. P. O. BOX 347 BERLIN, OH 44610
Phone # 330-893-0230 WWW.TEKTON-ENG.COM

Seal: STATE OF OHIO
WILLIAM J. PIZZUNO
REGISTERED PROFESSIONAL ENGINEER
7/29/22

CONTRACTOR:

IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING WILL HAVE BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.		
Mark	Revisions	Date
Date:	6/16/2022	
Scale:	AS NOTED	
Drawn by :	RES	
Checked by:	BP	
Job:	20-286	
Sheet Title		

C-208



William P. 7/29/22

CONTRACTOR:

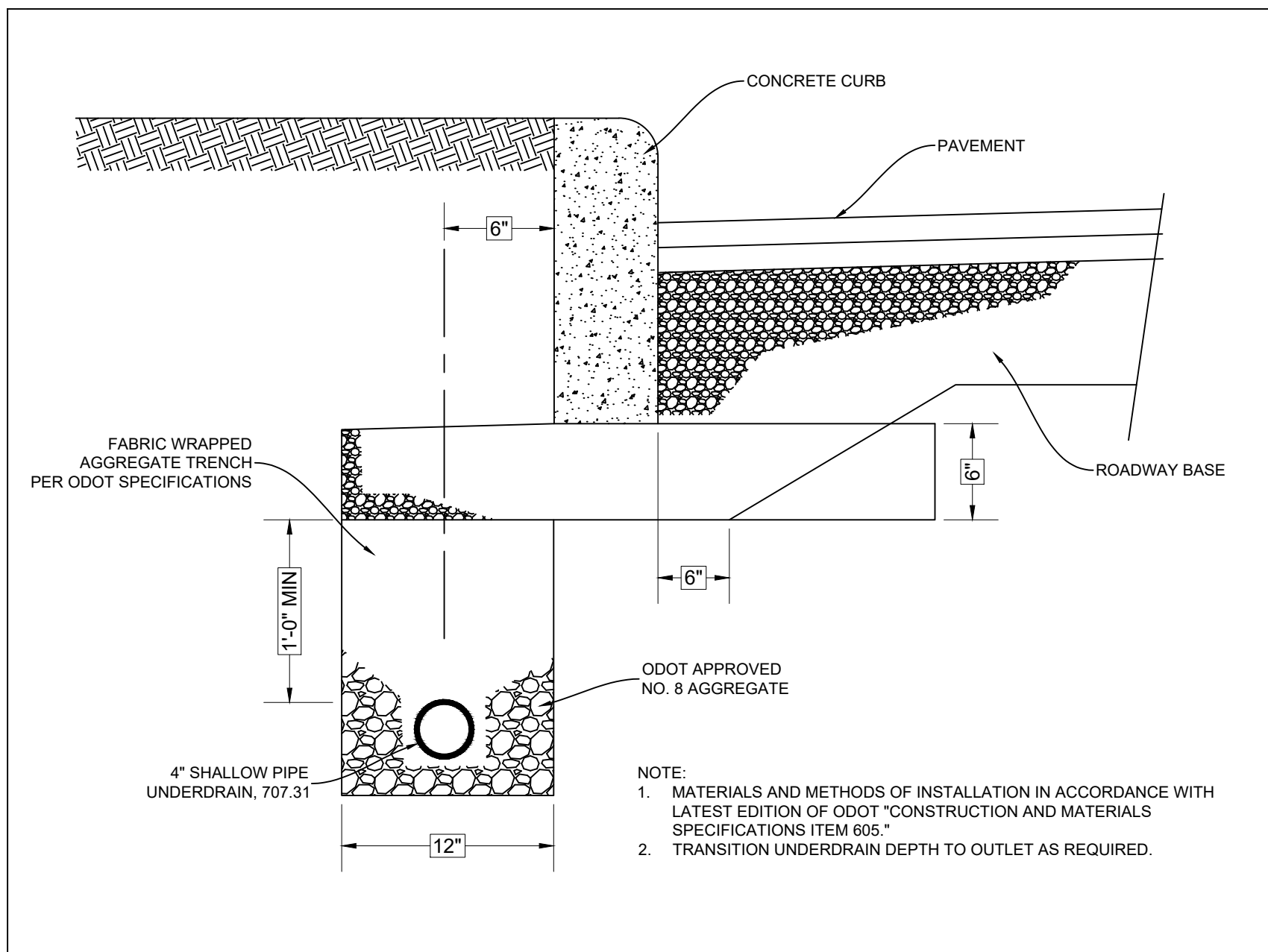
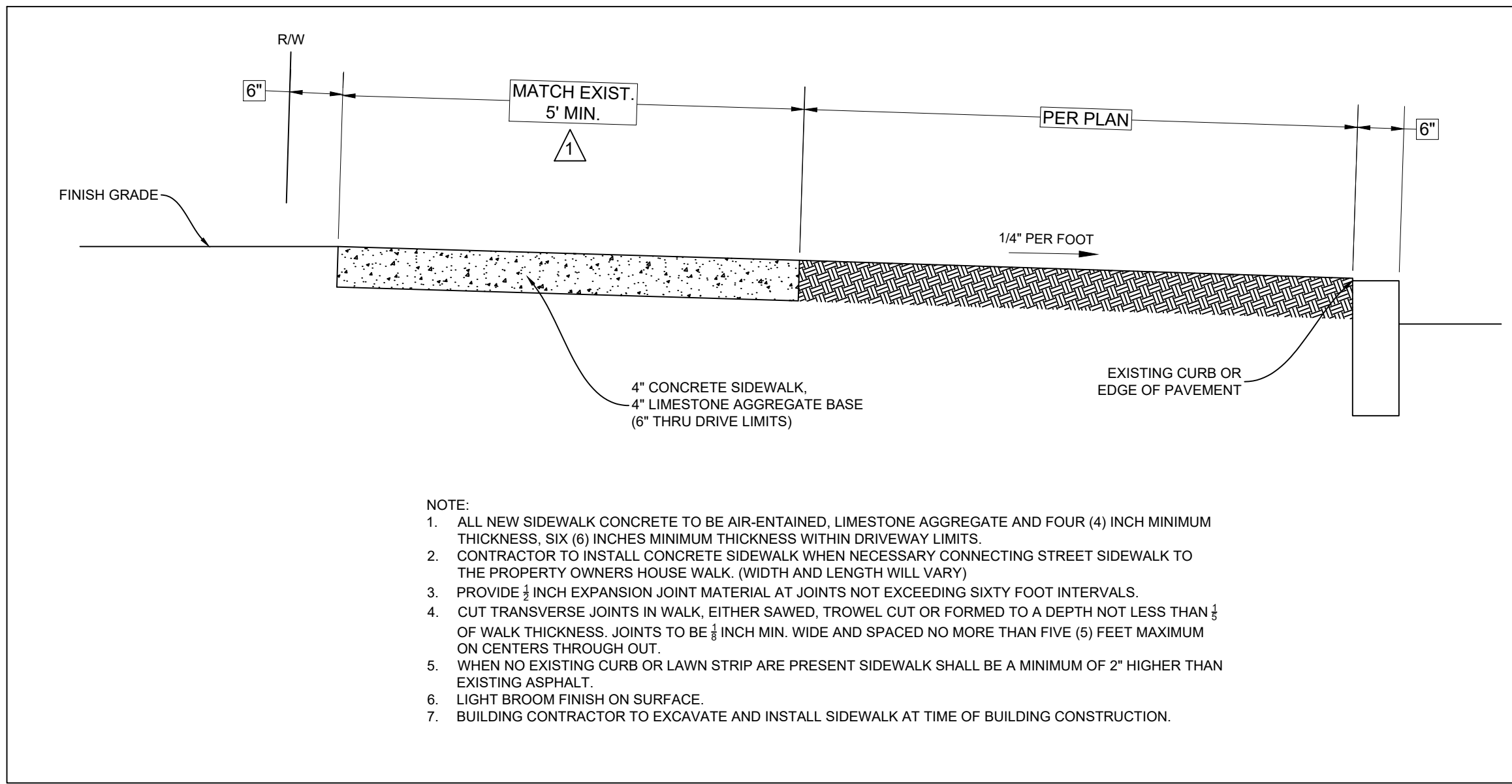
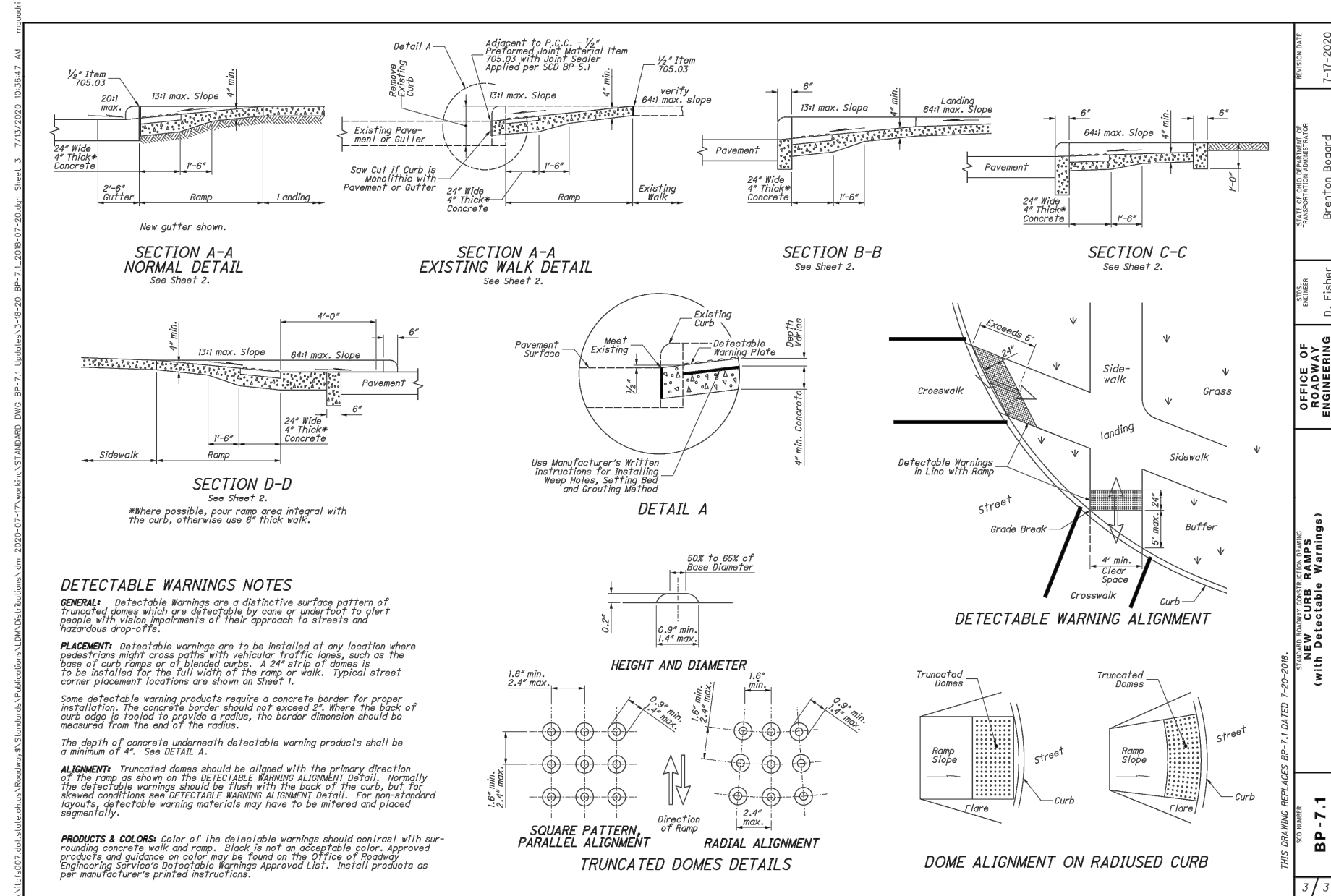
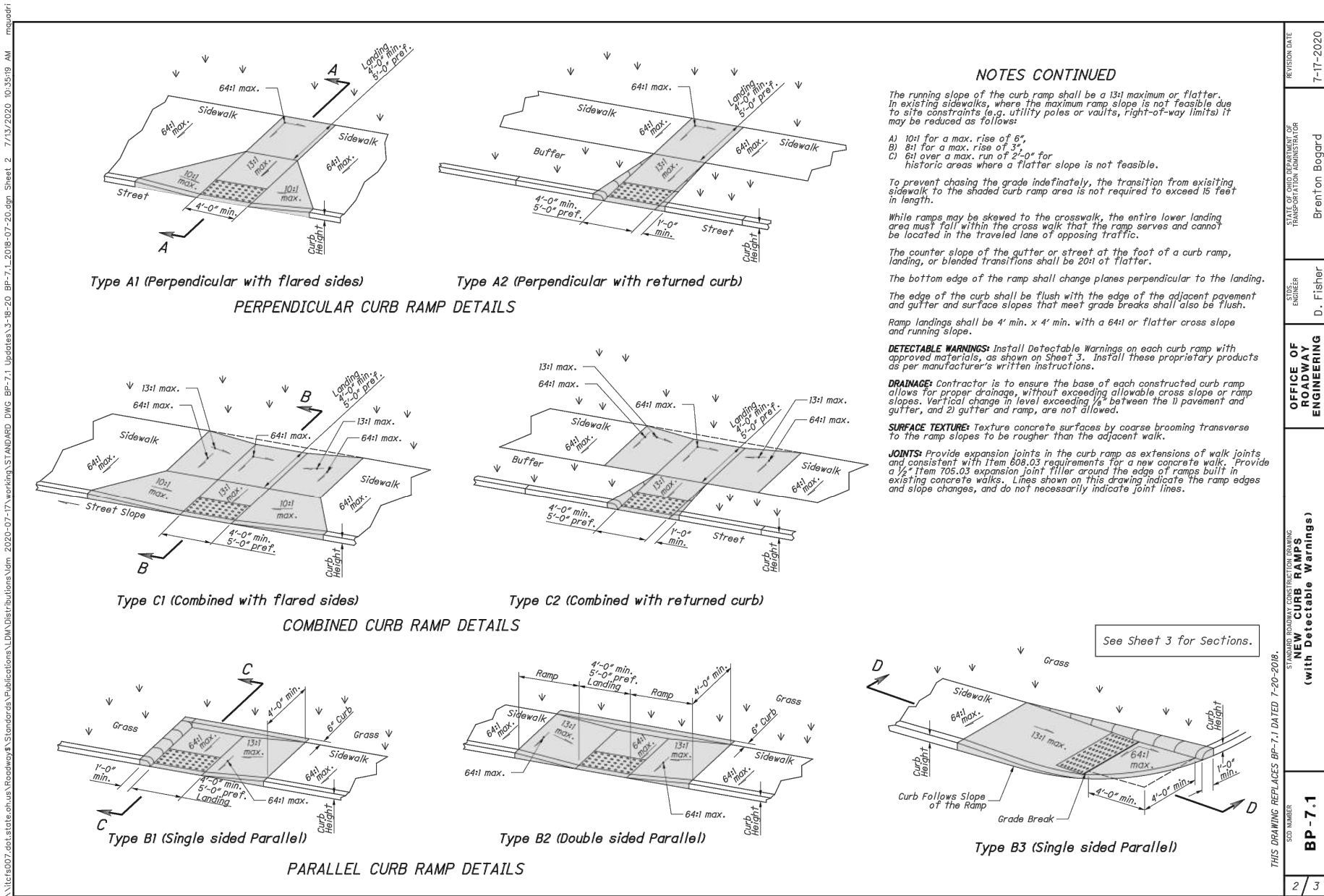
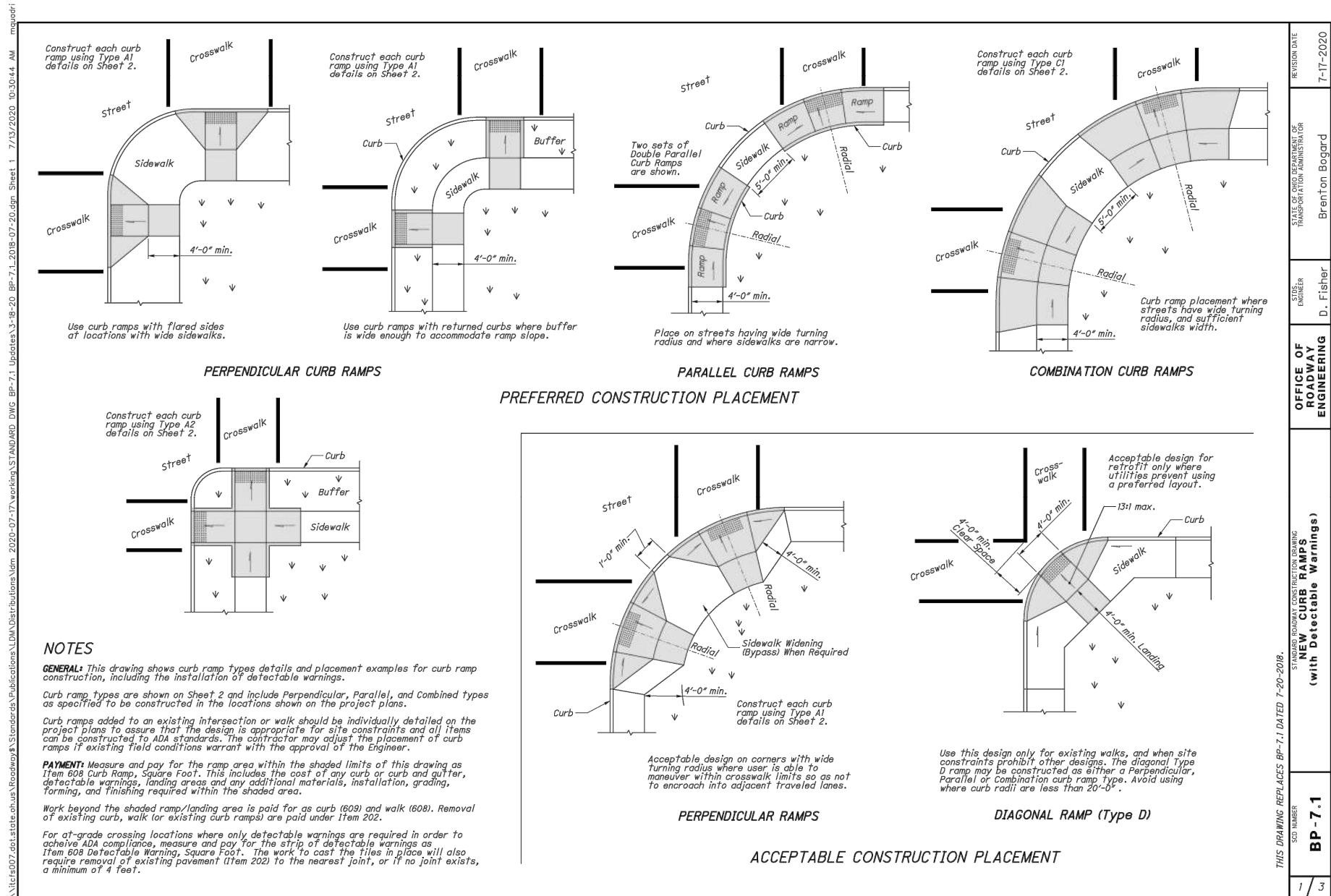
PIRATES COVE SUBDIVISION
806 W. MAIN ST.
SUGARCREEK, OHIO 44681
TUSCARAWAS COUNTY

PRIVATE ROAD 400 PLAN AND PROFILE

IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING WILL HAVE BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

Mark	Revisions	Date
Date:	6/16/2022	
Scale:	AS NOTED	
Drawn by :	RES	
Checked by:	BP	
Job:	20-286	
Sheet Title		

C-209



TYPE-6 CONCRETE CURB WITH UNDERDRAIN
NOT TO SCALE

TEKTON

ENGINEERING

4805 E. MAIN ST. P.O. BOX 347 BERLIN, OH 44610

Phone # 330-893-0230 WWW.TEKTON-ENG.COM

SEAL

PROFESSIONAL ENGINEER

WILLIAM J. PIZZINI

E-55478

7/29/2022

CONTRACTOR:

PIRATES COVE SUBDIVISION

806 W. MAIN ST.

SUGARCREEK, OHIO 44681

TUSCARAWAS COUNTY

DATE: 6/16/2022

SCALE: AS NOTED

DRAWN BY: RES

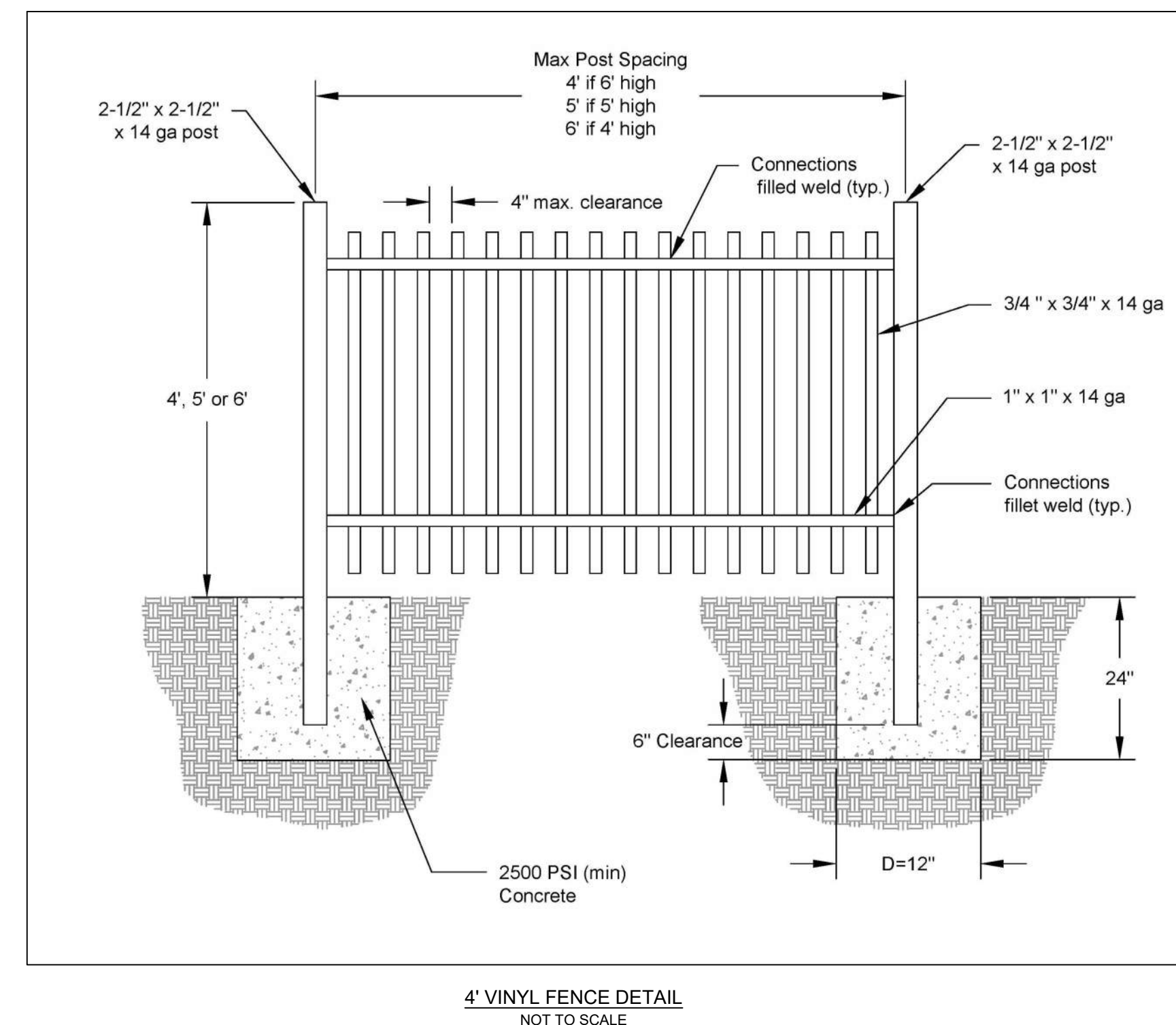
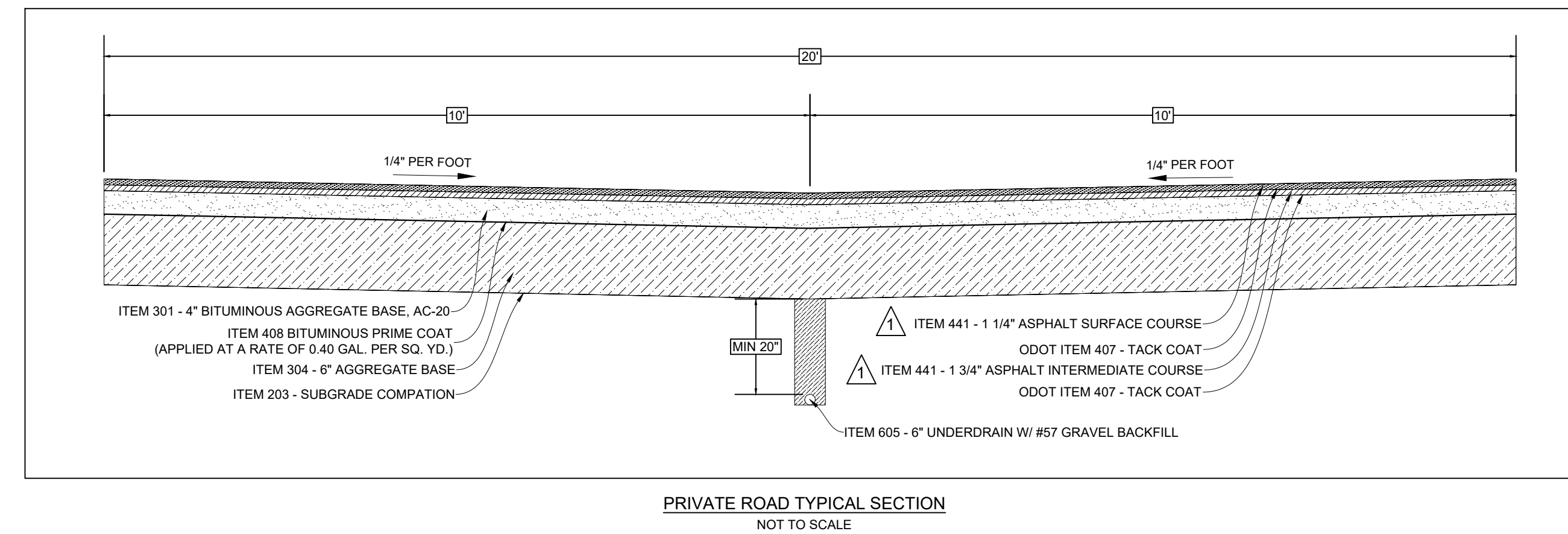
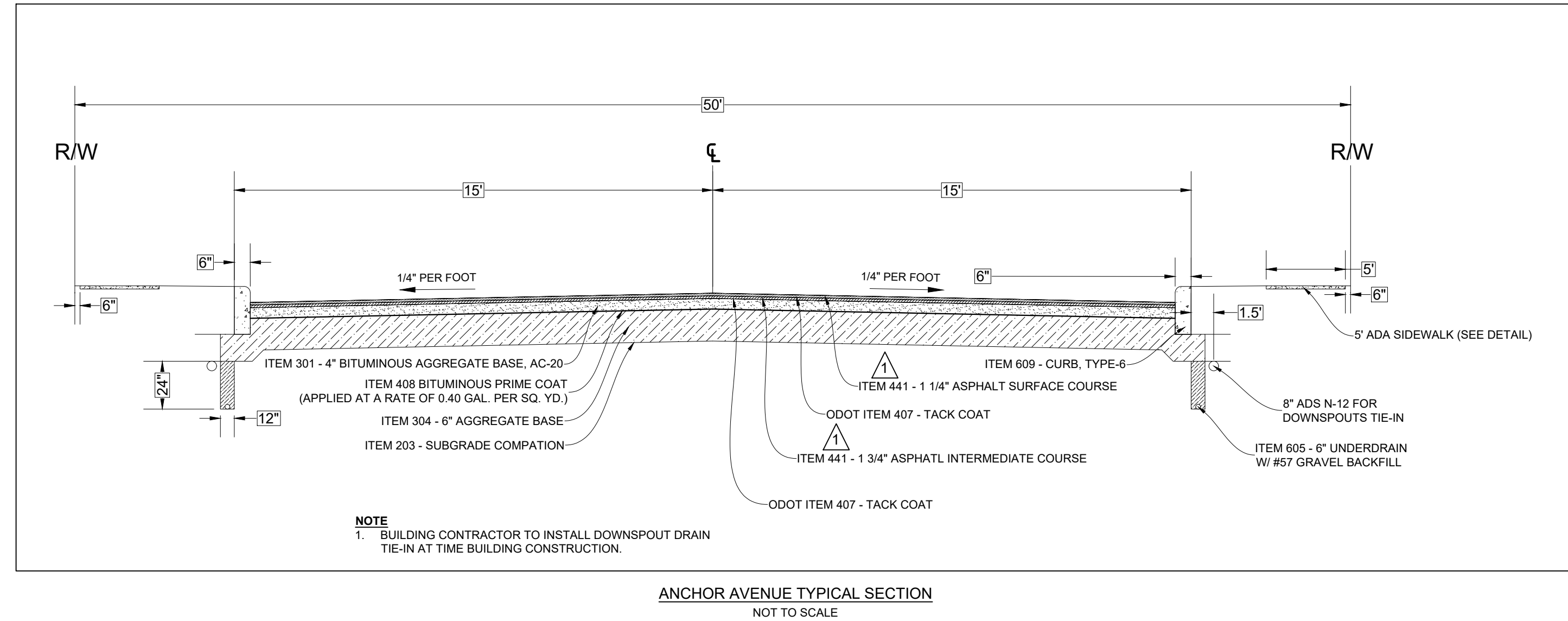
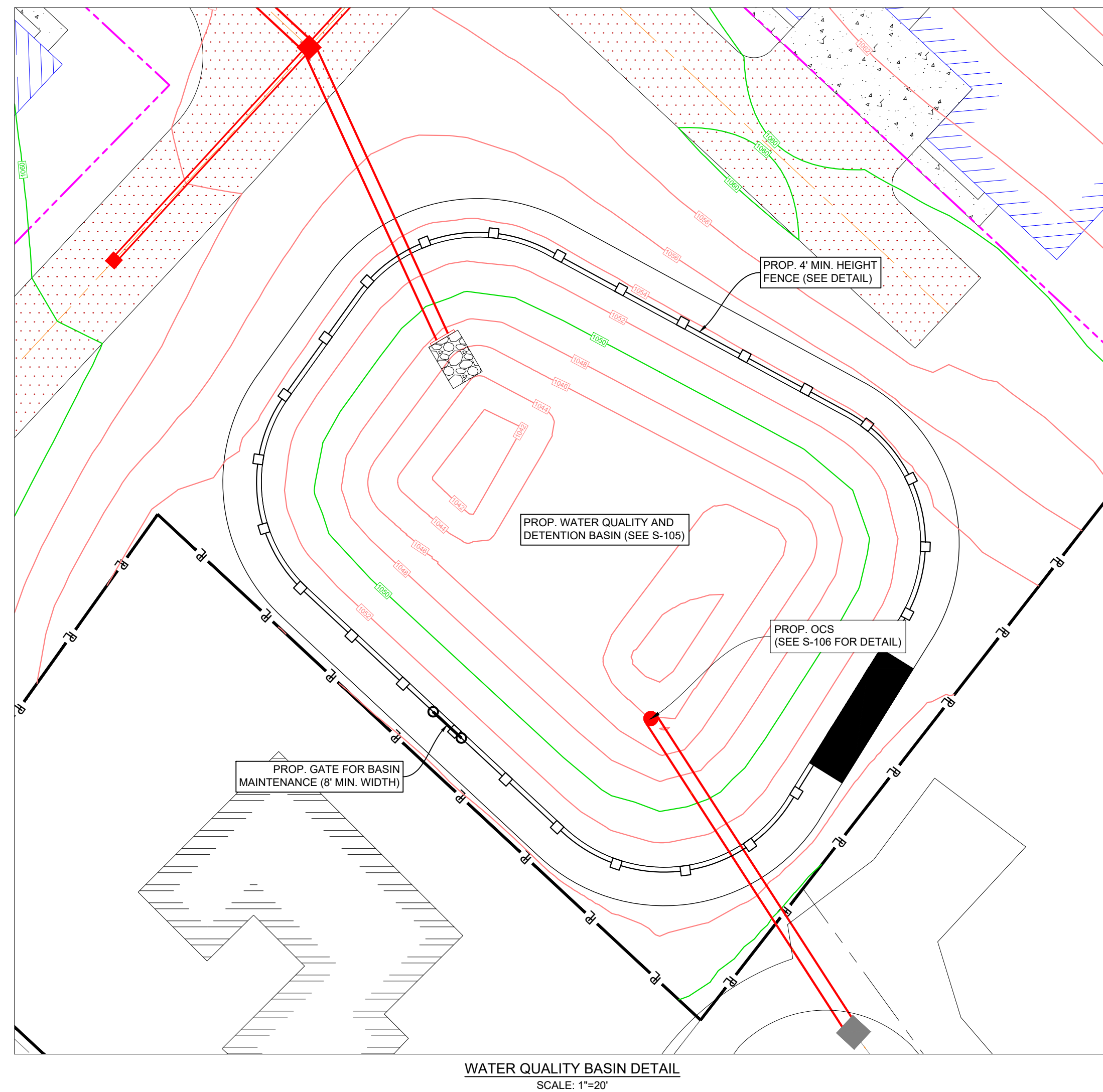
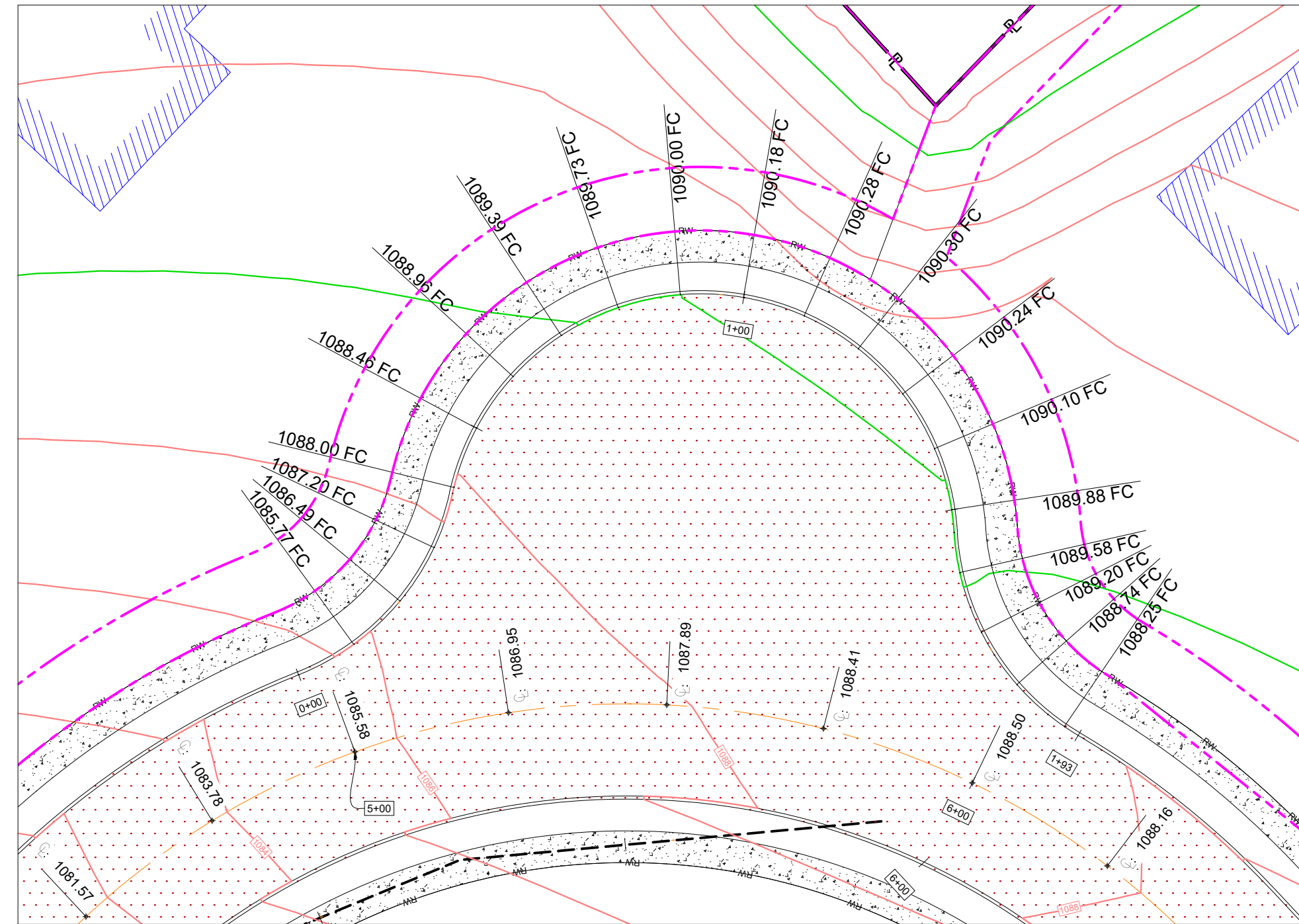
CHECKED BY: BP

JOB: 20-286

SHEET TITLE

C-212

MISC. DETAILS



NOTES:
1. CONTRACTOR TO VERIFY WITH DEVELOPER THE SPECIFIC FENCE THAT THEY WANT TO INSTALL PRIOR TO INSTALLATION.

CONTRACTOR:

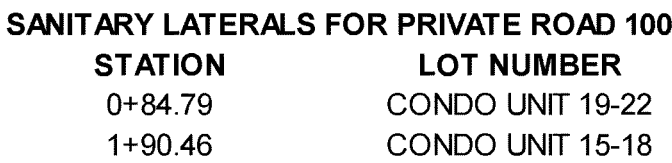
PIRATES COVE SUBDIVISION
806 W. MAIN ST.
SUGARCREEK, OHIO 44681
TUSCARAWAS COUNTY

TYPICAL SECTION & INTERSECTION DETAILS

IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING WILL HAVE BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

Mark	Revisions	Date

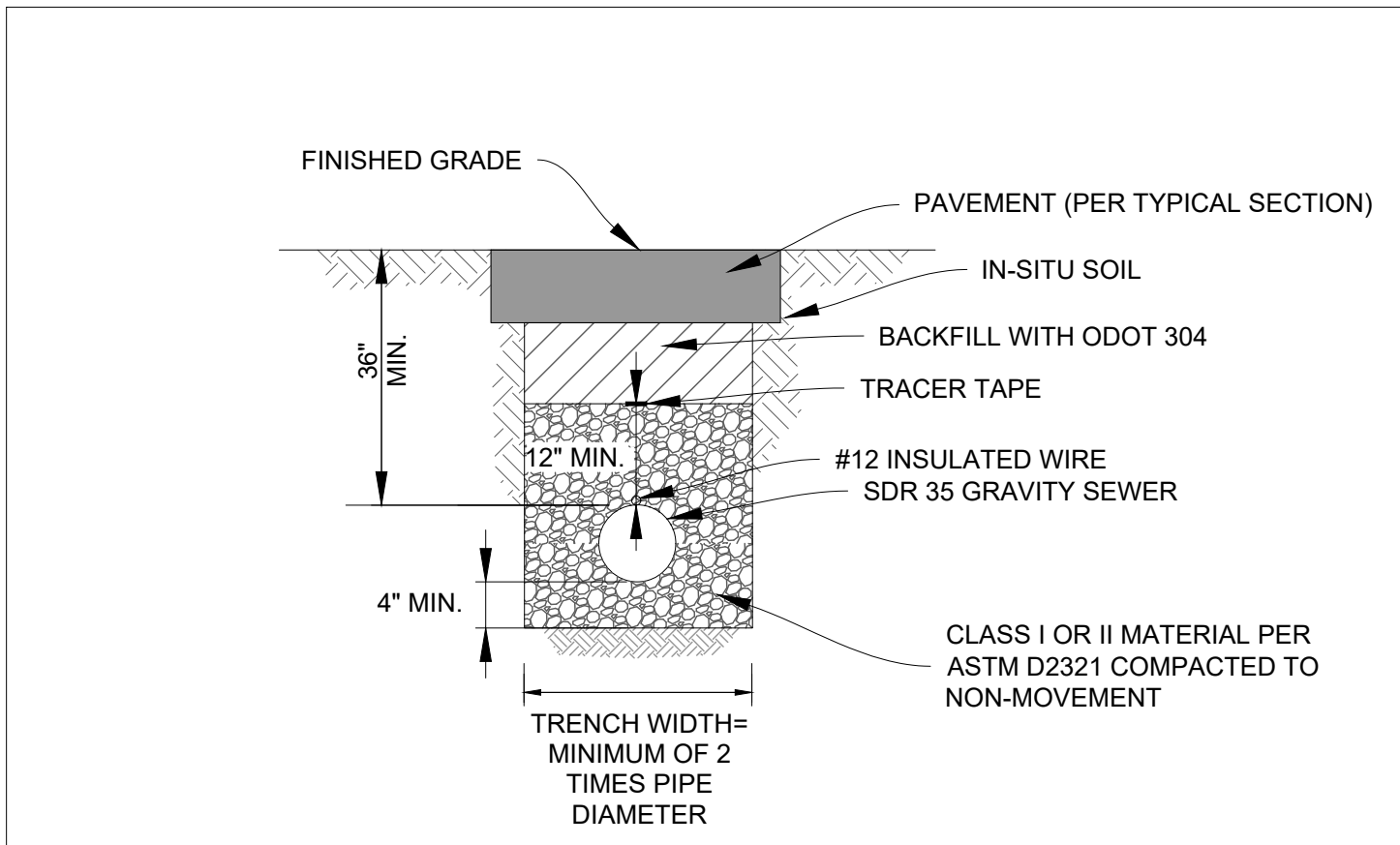
Date:	6/16/2022
Scale:	AS NOTED
Drawn by :	RES
Checked by:	BP
Job:	20-286
Sheet Title	



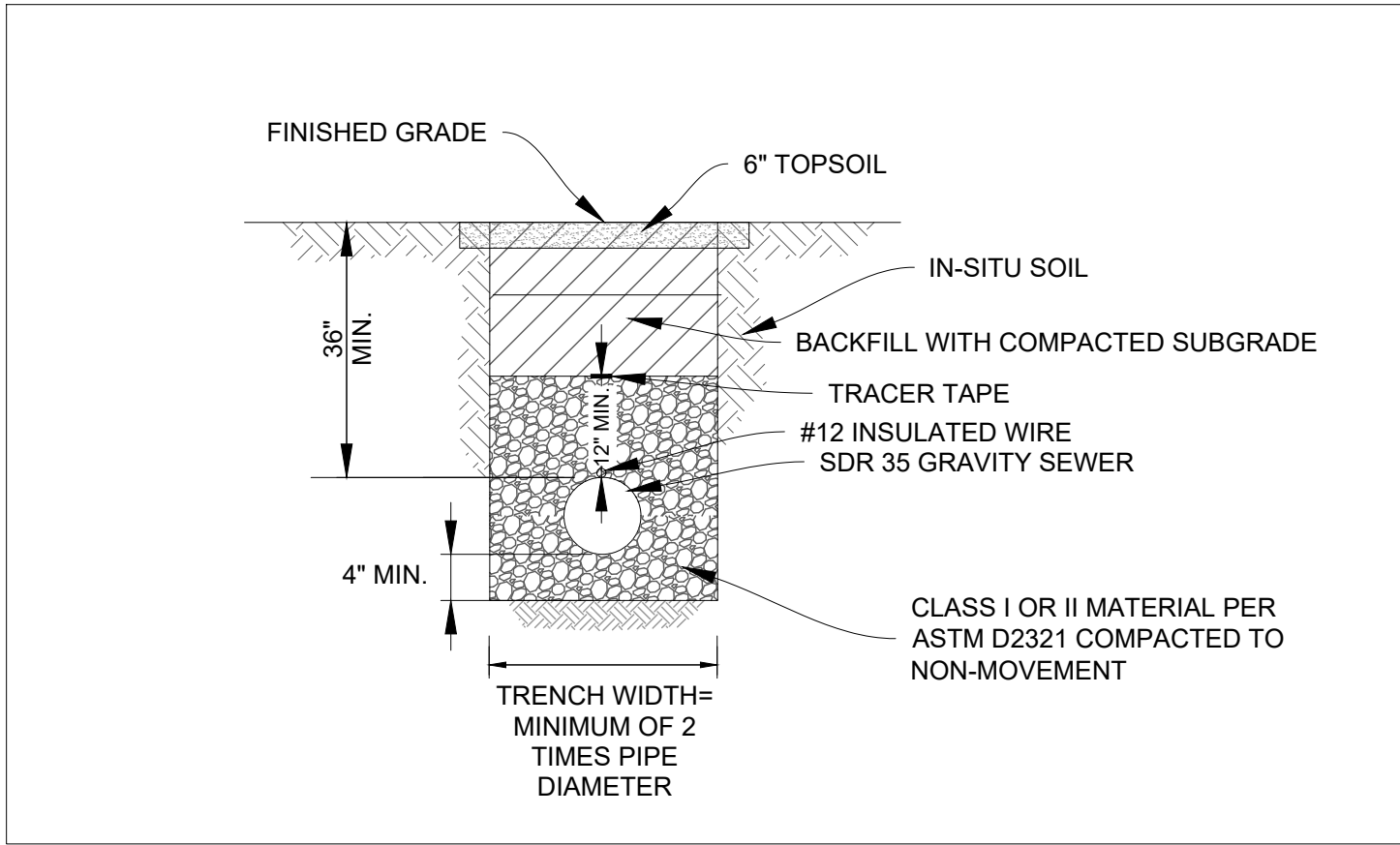
PIRATES COVE SUBDIVISION
806 W. MAIN ST.
SUGARCREEK, OHIO 44681
TUSCARAWAS COUNTY

 IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING WILL HAVE BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.		
Mark	Revisions	Date
Date:	6/16/2023	
Scale:	AS NOTE	
Drawn by :	RES	
Checked by:	BP	
Job:	20-286	
Sheet Title		

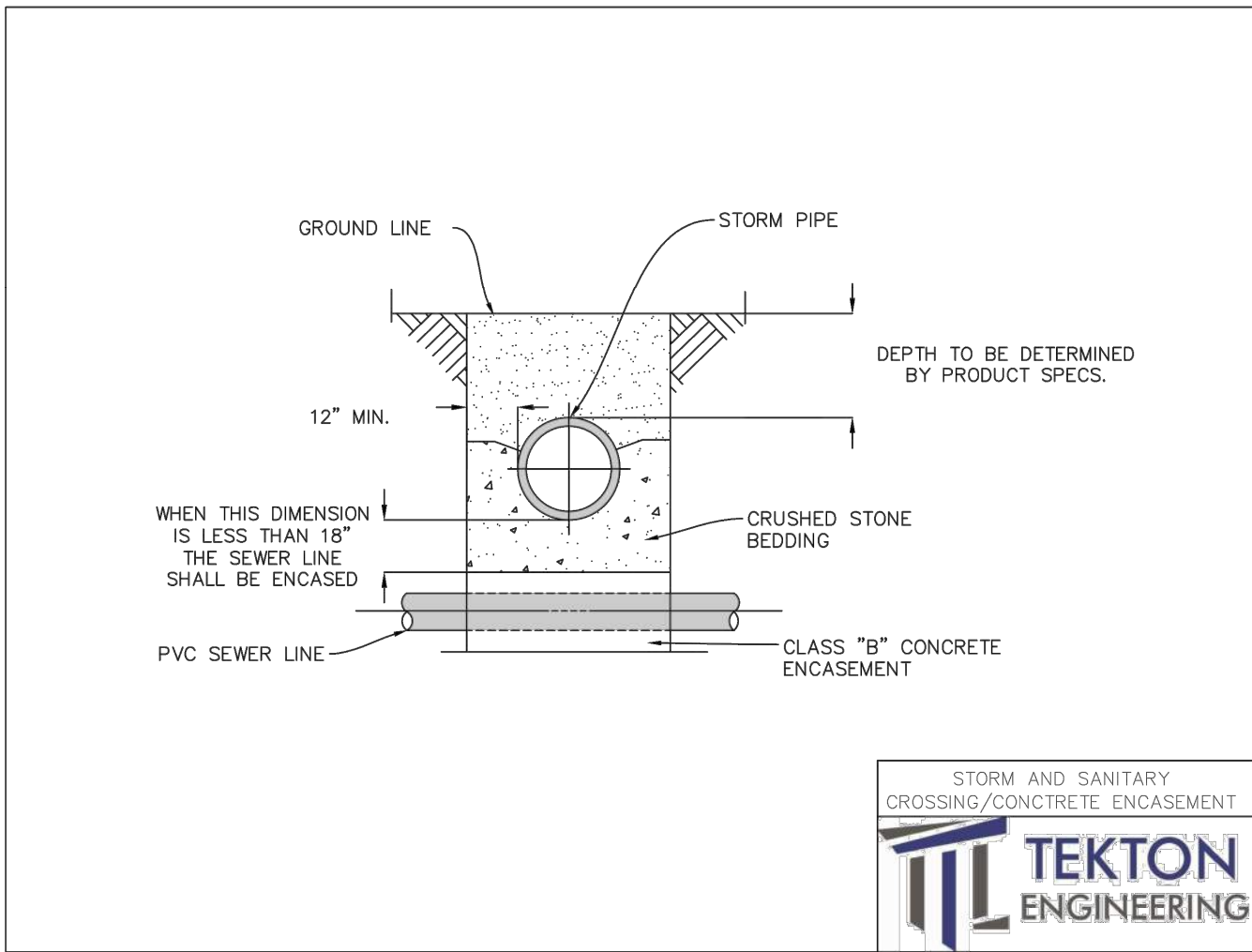
T:\20-286 Pirates Cove\CIVIL\DESIGN\20-286 Sheet File Utilities 10c21.dwg



GRAVITY SEWER TRENCH DETAIL UNDER PAVEMENT (TYP.)
NOT TO SCALE

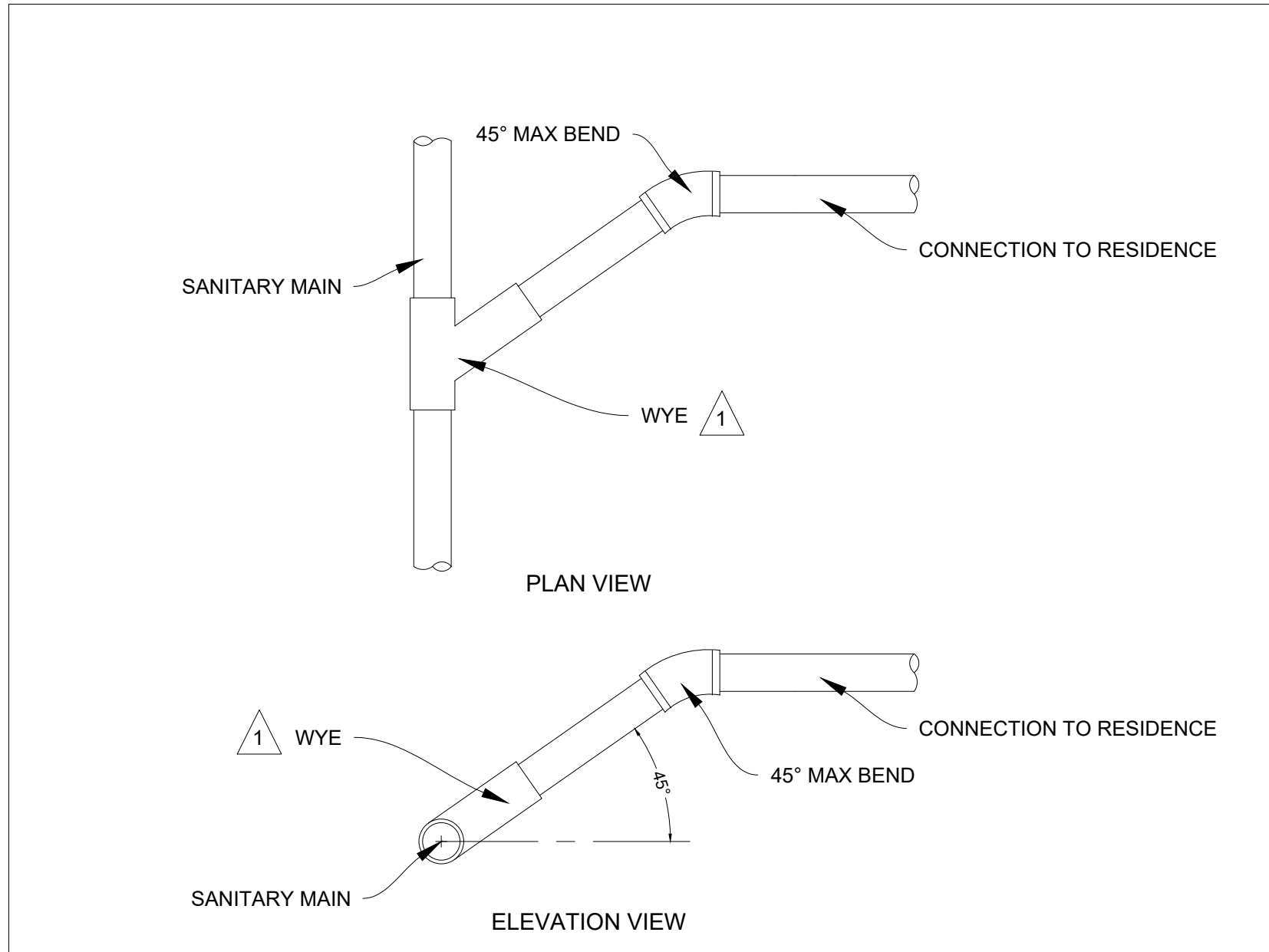


GRAVITY SEWER TRENCH DETAIL OUTSIDE PAVEMENT (TYP.)
NOT TO SCALE

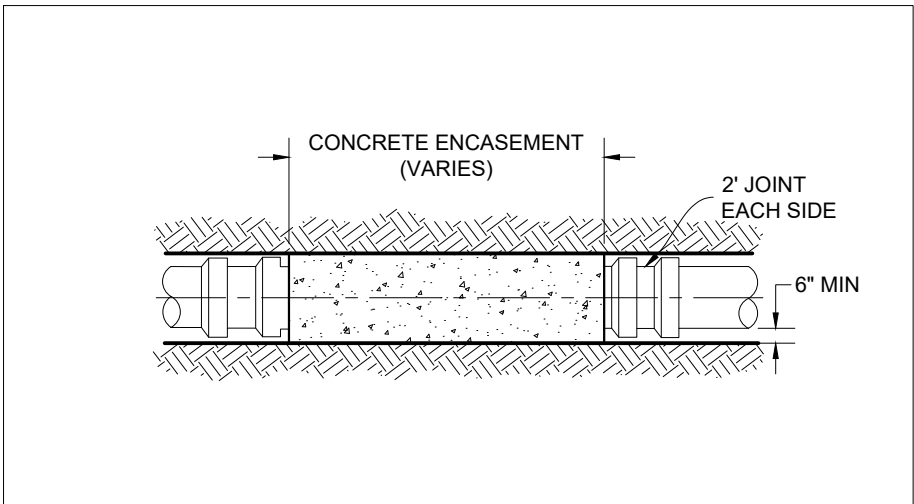


GENERAL NOTES:

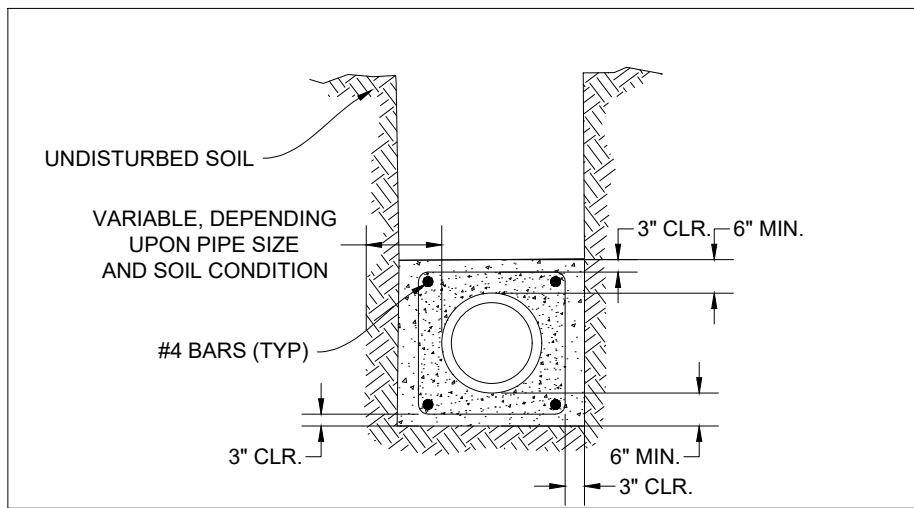
1. ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY DISPOSAL SYSTEM ARE PROHIBITED.
2. CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
3. AIR TESTING, IF SPECIFIED FOR CONCRETE SEWER MANHOLES, SHALL CONFORM TO THE TEST PROCEDURES DESCRIBED IN ASTM C 1244.
4. MAINTAIN 18" MIN. VERTICAL CLEARANCE OF SANITARY AND STORM SEWER FROM WATERLINE AT ALL CROSSINGS. MAINTAIN 10' HORIZONTAL SPACING .
5. PIPE TESTING: TESTS MAY BE CONDUCTED ON COMPLETED PIPELINE OR ANY COMPLETED PORTION THAT CAN BE ISOLATED FROM OTHER SECTIONS PREVIOUSLY TESTED OR NOT COMPLETE. TESTING SHALL BE WITNESSED BY VILLAGE OF SUGARCREEK.
6. GRAVITY SEWER: DEFLECTION TESTING 30 DAYS POST-INSTALLATION WITH APPROPRIATELY SIZED MANDREL PER ASTM D3034. MAXIMUM ALLOWABLE DEFLECTION IS 5%.
7. GRAVITY SEWER LEAKAGE TESTING: LOW PRESSURE AIR TESTING PER ASTM F1417 OR HYDROSTATIC TESTING (1.5 TIMES WORKING PRESSURE FOR 2 HOURS; ALLOWABLE LEAKAGE 100 GAL/PIPE INCH DIAMETER/MILE OF PIPE/DAY.)
8. SANITARY LATERALS TO BE MINIMUM 4"Ø AND HAVE A MINIMUM SLOPE OF 1.65% TO PROVIDE CLEANING VELOCITY.
9. GASKETED FLEXIBLE WATERTIGHT CONNECTIONS ARE REQUIRED FOR ALL MANHOLE INLETS AND OUTLETS.



SANITARY SEWER SERVICE
NOT TO SCALE



STANDARD CONCRETE ENCASEMENT
NOT TO SCALE



TYPE "B" CONCRETE ENCASEMENT
NOT TO SCALE

- NOTES:
1. CONCRETE ENCASEMENT SHALL BE USED WHEN COVER IS LESS THAN 18".
 2. ENCASEMENT TO BE PLACED AGAINST UNDISTURBED GROUND OR FILL COMPACTED TO 90% RELATIVE COMPACTION, UNLESS OTHERWISE SPECIFIED.
 3. #4 STEEL REINFORCING BARS SHALL BE USED AS SPECIFIED.
 4. TYPE OF CONCRETE ENCASEMENT TO BE USED WILL BE SHOWN ON PLANS TO MEET FIELD CONDITIONS.
 5. WHERE SLOPE TRENCHES ARE USED, WALLS WILL NOT BEGIN TO SLOPE CLOSER THAN 12 INCHES FROM THE TOP OF THE PIPE.
 6. ENCASEMETN CONCRETE TO BE 450-C-2500. USE 560-C-3250 WITH REINFORCEMENT.
 7. BACKFILL SHALL COMMENCE WHEN THE CONCRETE STRENGTH IS 75% OF SPECIFIED STRENGTH.

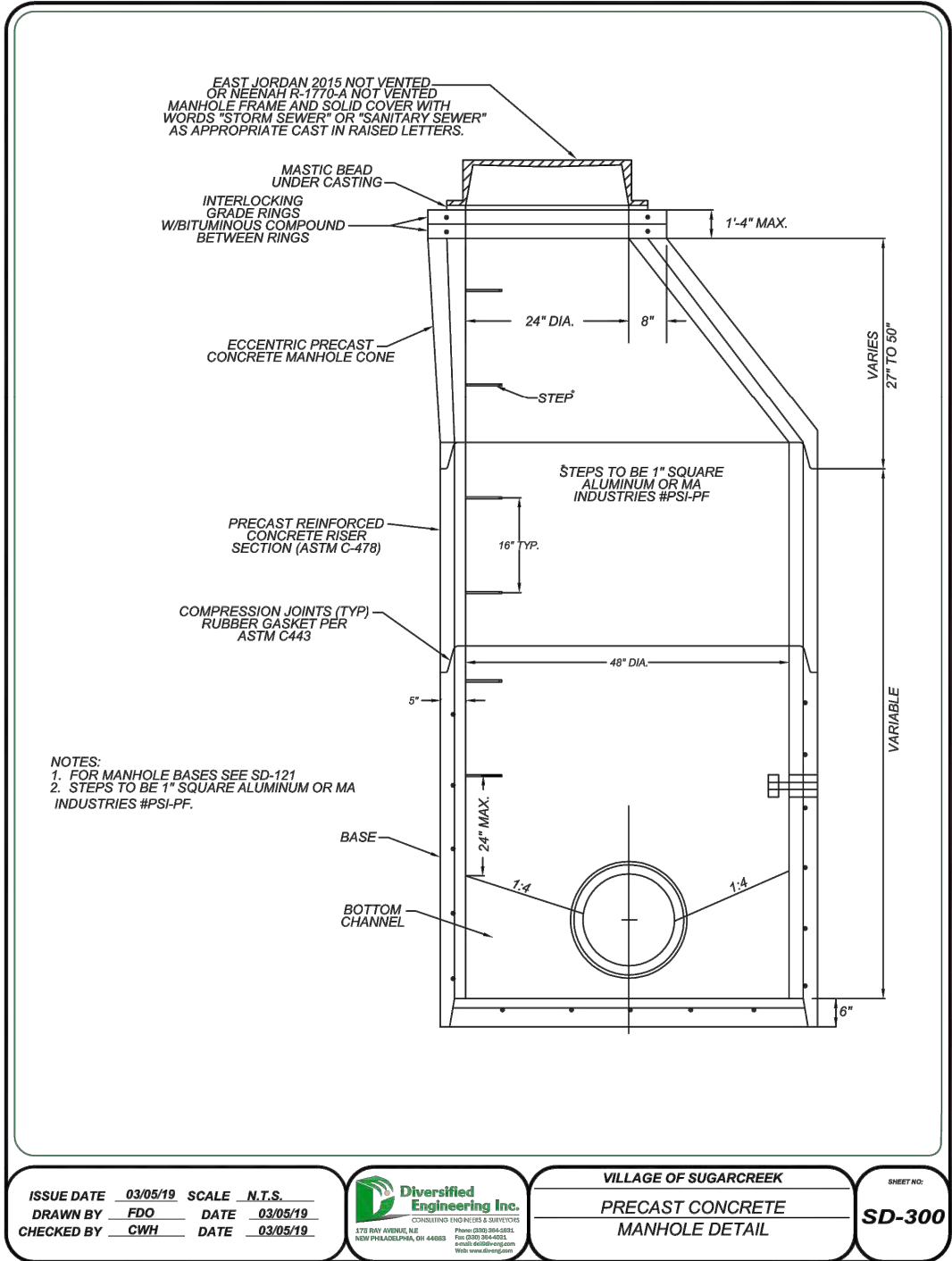
Structure Table		
NAME	RIM ELEV.	PIPE INFO
PROP. MH-1	RIM = 1051.957	INV IN: NE 8" 1047.12 INV OUT: SE 8" 1047.12
PROP. MH-2	RIM = 1055.788	INV IN: NW 8" 1047.47 INV OUT: SW 8" 1047.47
PROP. MH-3	RIM = 1057.805	INV IN: NW 8" 1048.57 INV IN: NE 8" 1053.29 INV OUT: SE 8" 1048.57
PROP. MH-4	RIM = 1062.354	INV IN: N 8" 1058.10 INV OUT: SE 8" 1058.00
PROP. MH-5	RIM = 1065.719	INV IN: NW 8" 1061.00 INV OUT: S 8" 1060.90
PROP. MH-6	RIM = 1068.366	INV IN: SW 8" 1063.76 INV IN: NE 8" 1063.76 INV IN: NW 8" 1061.99 INV OUT: SE 8" 1061.89
PROP. MH-7	RIM = 1067.580	INV IN: NE 8" 1059.04 INV IN: NW 8" 1059.04 INV OUT: SW 8" 1058.94
PROP. MH-8	RIM = 1071.190	INV OUT: SE 8" 1067.04
PROP. MH-9	RIM = 1081.972	INV IN: NW 8" 1074.06 INV IN: SE 8" 1074.06 INV OUT: SW 8" 1073.78
PROP. MH-10	RIM = 1087.200	INV OUT: SE 8" 1081.69
PROP. MH-11	RIM = 1087.317	INV IN: NE 8" 1080.38 INV OUT: NW 8" 1080.38
PROP. MH-12	RIM = 1106.989	INV OUT: SW 8" 1098.18
PROP. MH-13	RIM = 1075.999	INV OUT: NE 8" 1067.05
PROP. MH-14	RIM = 1085.517	INV OUT: SW 8" 1074.26

- Sewer Leakage Test**
1. The max allowable leakage is 100 gal/in. of diameter/mile of pipe/day.
- Pipe Deflection Test**
1. The allowable deflection shall be no more than 1%.
- Manhole Test**
1. Must meet ASTM C-1244.

Pipe Table					
START	SIZE	LENGTH	SLOPE	MATERIAL	END
PROP. MH-11	8"	150.51'	4.20%	SDR-35	PROP. MH-9
PROP. MH-12	8"	260.00'	6.85%	SDR-35	PROP. MH-11
PROP. MH-9	8"	176.69'	8.34%	SDR-35	PROP. MH-7
PROP. MH-7	8"	142.89'	3.95%	SDR-35	PROP. MH-3
PROP. MH-8	8"	200.00'	4.00%	SDR-35	PROP. MH-7
PROP. MH-13	8"	142.29'	2.31%	SDR-35	PROP. MH-6
PROP. MH-14	8"	217.78'	4.82%	SDR-35	PROP. MH-6
	8"	20.11'	4.99%	SDR-35	PROP. MH-6
PROP. MH-6	8"	119.10'	0.75%	SDR-35	PROP. MH-5
PROP. MH-5	8"	98.30'	2.85%	SDR-35	PROP. MH-4
PROP. MH-4	8"	213.71'	4.41%	SDR-35	PROP. MH-3
PROP. MH-3	8"	179.80'	0.61%	SDR-35	PROP. MH-2
PROP. MH-2	8"	90.00'	0.40%	SDR-35	PROP. MH-1
PROP. MH-10	8"	260.00'	2.94%	SDR-35	PROP. MH-9

PIPING TABLE

DESCRIPTION	TYPE OF PIPE	DIAMETER (IN)	PROPOSED LENGTH (FT)	SPECIFICATION	ASTM STANDARD
GRAVITY SEWER	PVC SDR 35	8	2,293	PIPE	D3034
				JOINT	D3212
				INSTALLATION	D2321

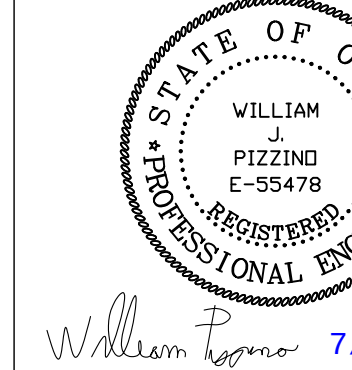


SUGARCREEK MANHOLE SDS-300
NOT TO SCALE

PIRATES COVE SUBDIVISION

806 W. MAIN ST.
SUGARCREEK, OHIO 44681
TUSCARAWAS COUNTY

TEKTON
ENGINEERING



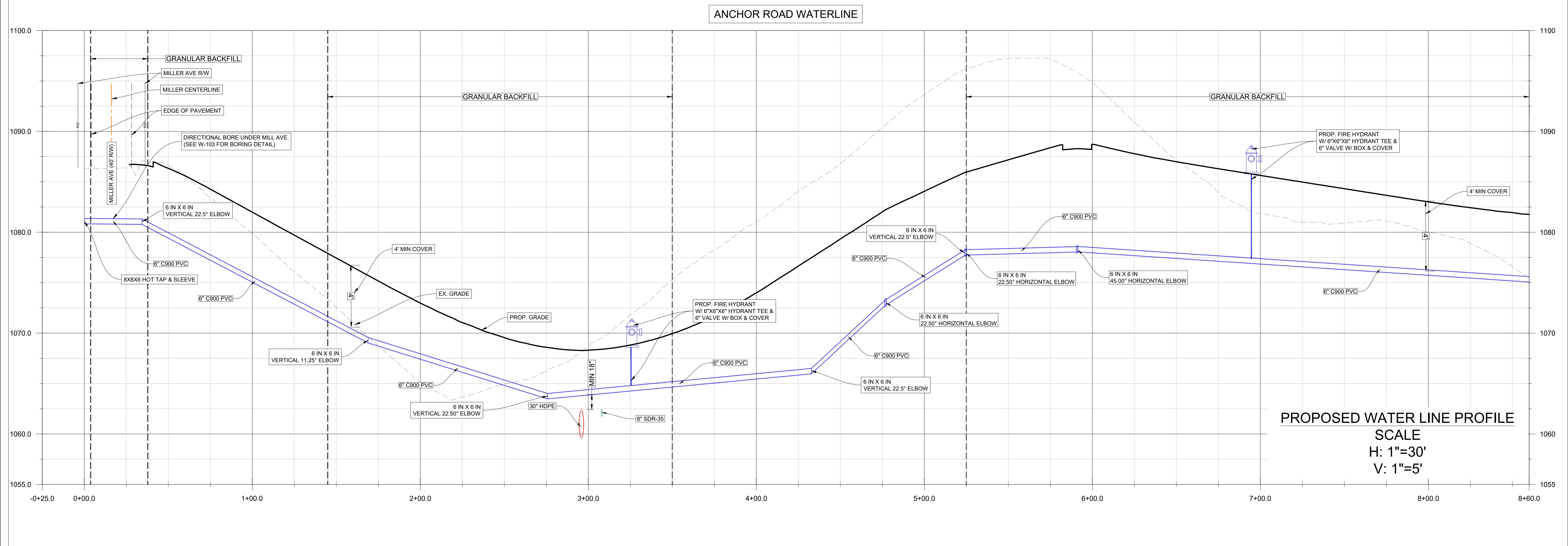
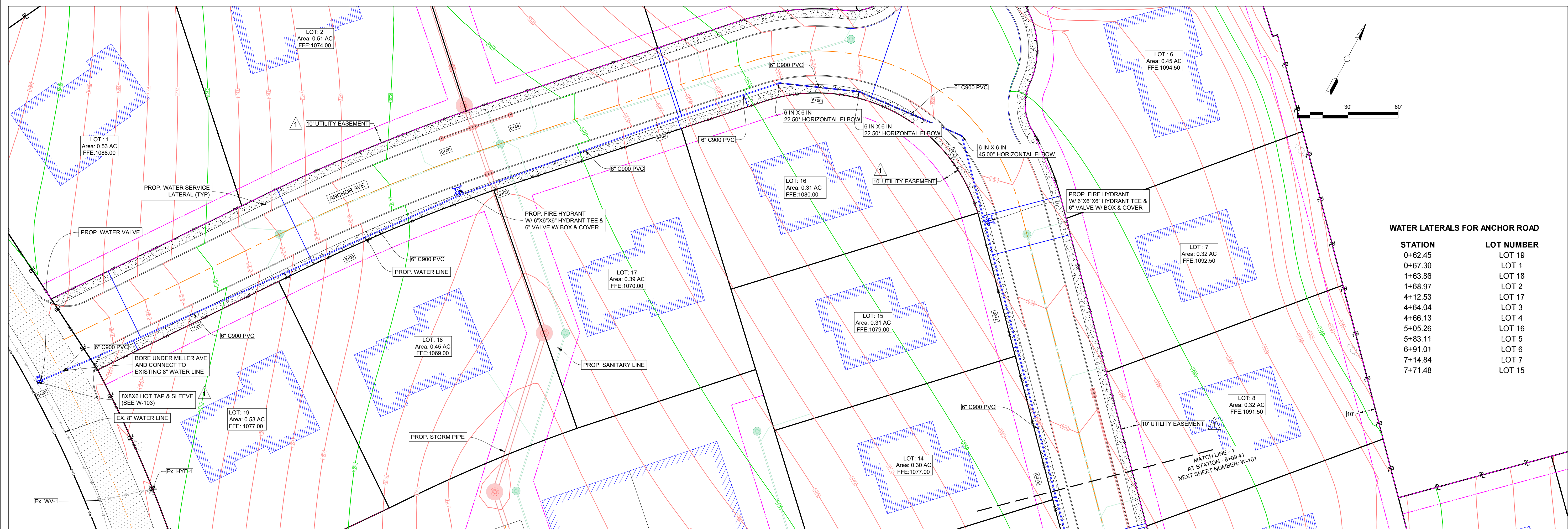
CONTRACTOR:

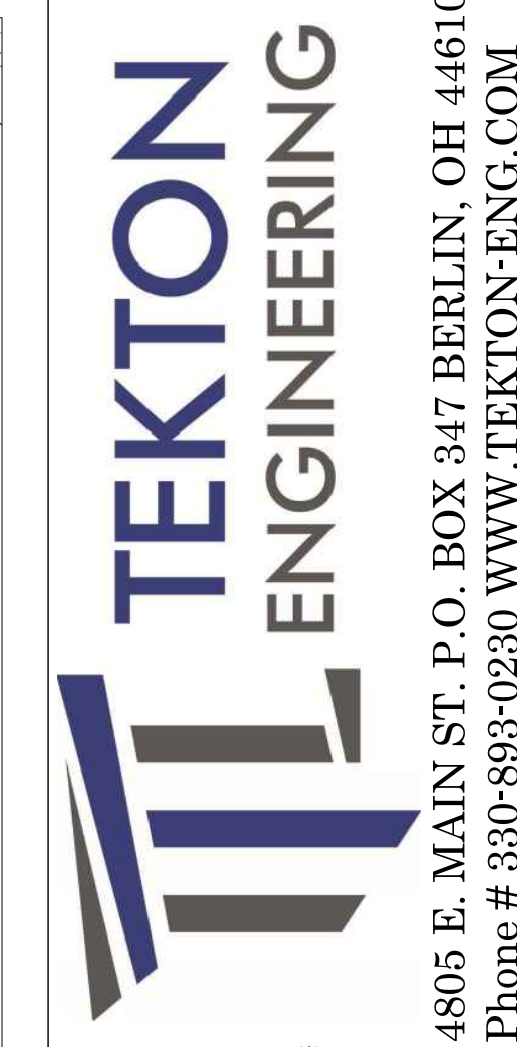
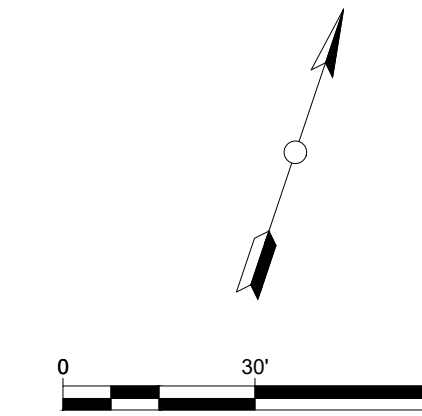
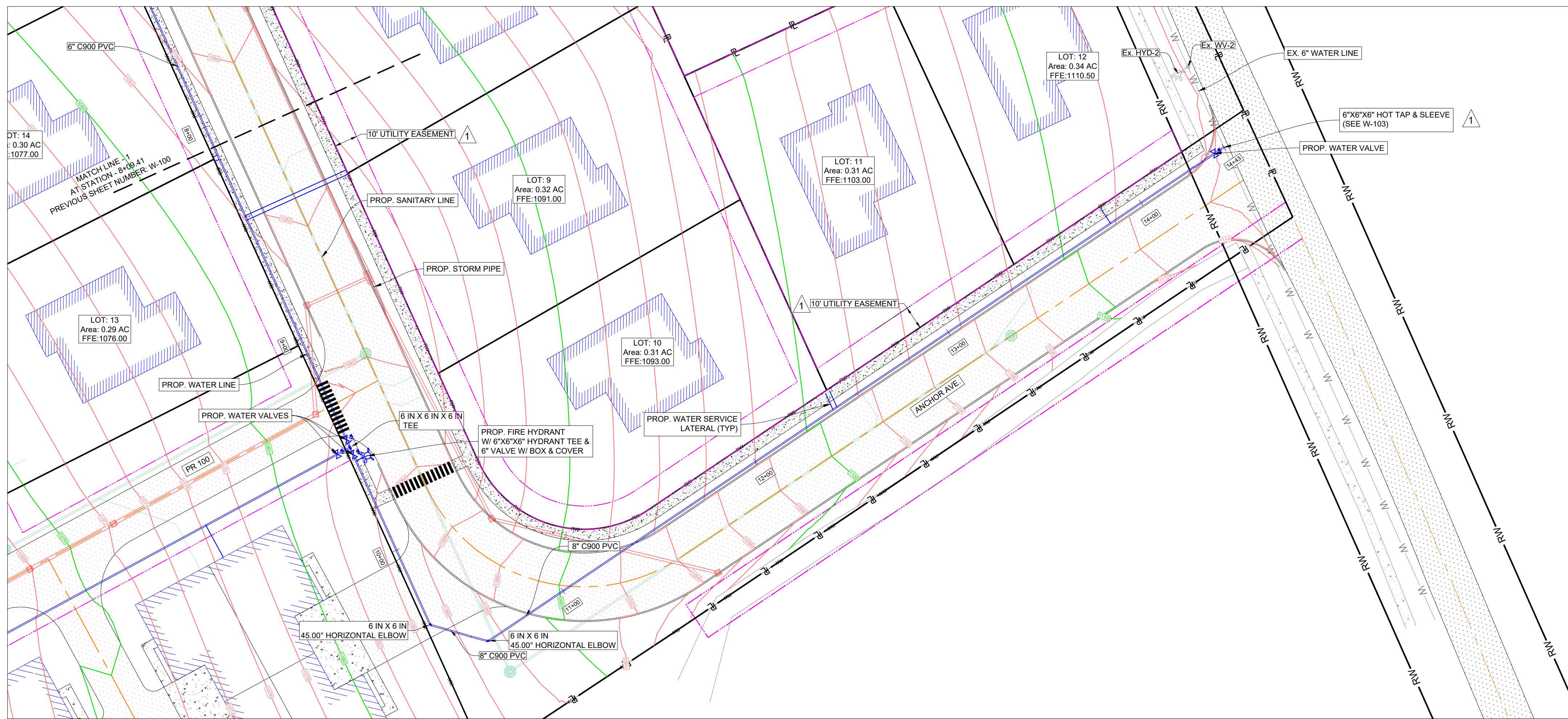
Date: 6/16/2022
Scale: AS NOTED
Drawn by: RES
Checked by: BP
Job: 20-286
Sheet Title

U-105

SANITARY DETAILS

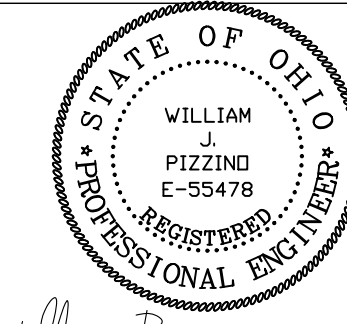
4805 E. MAIN ST. P.O. BOX 347 BERLIN, OH 44610
Phone # 330-893-0230 WWW.TEKTON-ENG.COM





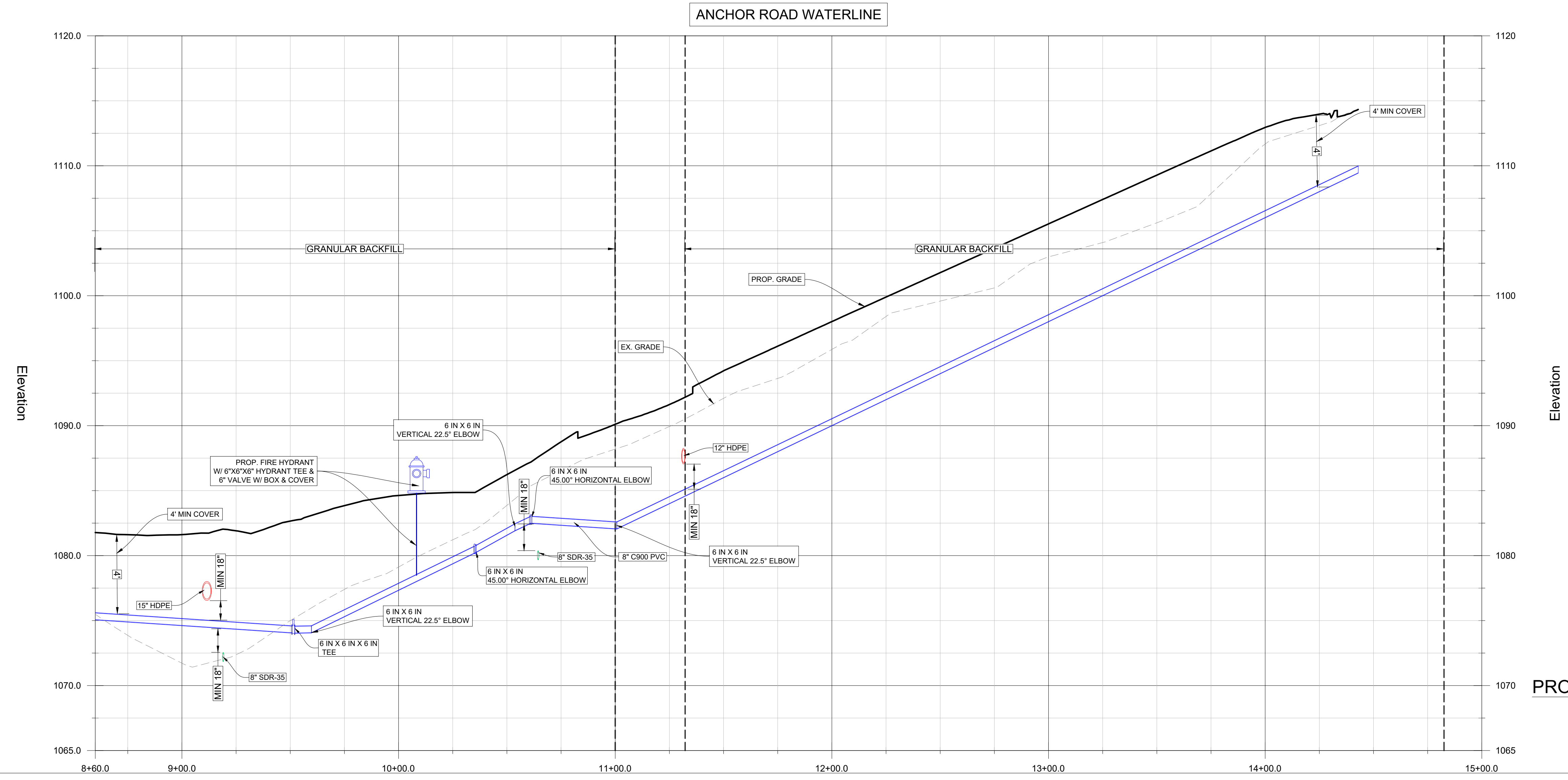
4805 E. MAIN ST. P.O. BOX 347 BERLIN, OH 44610
Phone # 330-893-0230 WWW.TEKTON-ENG.COM

4803 E. MAIN ST., F.O. BOX 347 BERLIN, OH 44601
Phone # 330-893-0230 WWW.TEKTON-ENG.COM



William P. ... 7/29/22

CONTRACTOR:



WATER LATERALS FOR ANCHOR ROAD	
STATION	LOT NUMBER
8+63.72	LOT 14
8+65.72	LOT 13
8+92.44	LOT 8
8+94.44	LOT 9
12+90.73	LOT 10
12+92.76	LOT 11
14+34.73	LOT 12

PIRATES COVE SUBDIVISION
806 W. MAIN ST.
SUGARCREEK, OHIO 44681
TUSCARAWAS COUNTY

806 W. MAIN ST.
SUGARCREEK, OHIO 44681
TUSCARAWAS COUNTY

806 W. MAIN ST.
SUGARCREEK, OHIO 44681
TELEPHONE 444-6000

UGARCREEK, OHIO 44688
TUSCARAWAS COUNTY

ANCHOR ROAD WATERLINE PROFILE 2 OF 2

IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING WILL HAVE BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

Mark	Revisions	Date
Date:	6/16/2022	
Scale:	AS NOTED	
Drawn by :	RES	
Checked by:	BP	
Job:	20-286	
Sheet Title		

Date:	6/16/2022
Scale:	AS NOTED
Drawn by :	RES
Checked by:	BP
Job:	20-286
Sheet Title	

Date:	6/16/2022
Scale:	AS NOTED

Scale:	AS NOTED
Drawn by :	RES

Drawn by :	RES
Checked by:	BP

Checked by:	BP
Job:	20-286

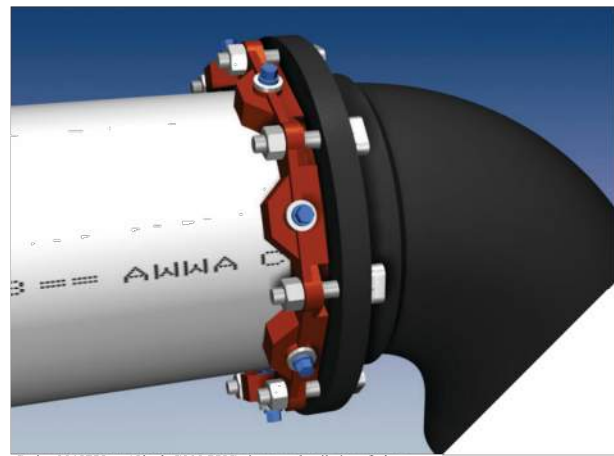
Job:	20-286
Sheet Title	

W-101



Series 2000PV

Mechanical Joint Restraint for PVC Pipe



Series 2012PV on 12 inch C900 PVC pipe at a ductile iron fitting.

Features and Applications:

- For restraining plain end PVC pipe at mechanical joint fittings and appurtenances

- Sizes 3 inch through 36 inch
- Sizes 42 inch through 54 inch accommodated by Series 2200

- MEGA-BOND® Restraint Coating System
- For more information on MEGA-BOND, refer to www.ebaa.com

- Constructed of ASTM A536 Ductile Iron

- The mechanical joint follower gland is incorporated into the restraint

- Accommodates full deflection of the mechanical joint on which it is used

- Heavy duty thick wall design

Support Products Available:

- Split mechanical joint style available for 3 inch through 12 inch EBA Series 2000SV

- Solid restraint ring harness available for C900-16 PVC pipe bells EBA Series 2800

- Split restraint ring harness available for C900-16 PVC pipe bells and PVC fittings EBA Series 1500, 1600 and 2500

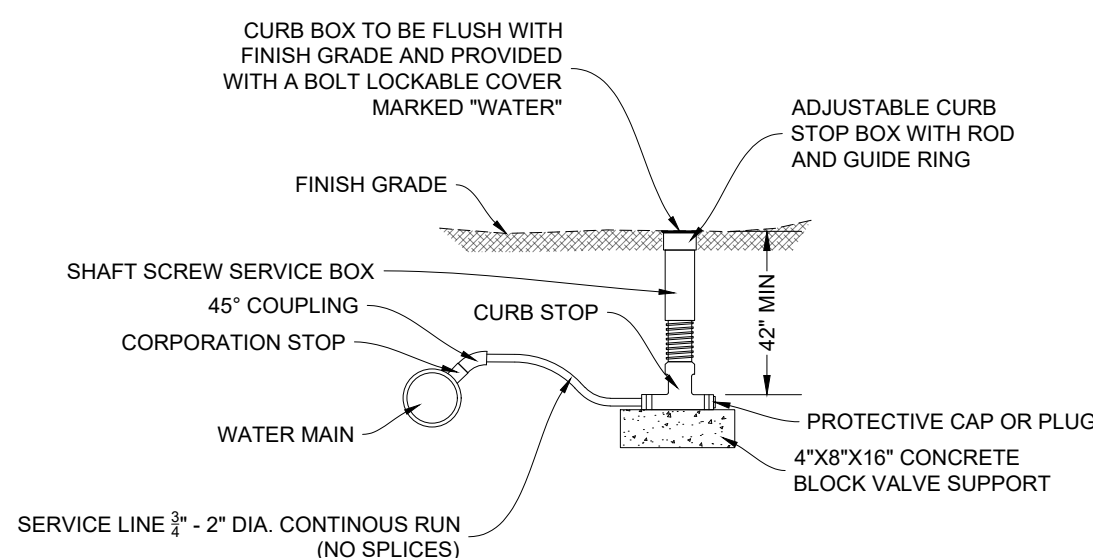
- All 2000PV and related restraint products can be furnished as packaged accessories complete with appropriate restraint, gasket, lubrication and bolting hardware

- For use on water or wastewater pipelines subject to hydrostatic pressure and tested in accordance with either AWWA C600 or ASTM D2774.

U.S. Patent No.
4627775 4896903 5071175

PIPE RESTRAINT DETAIL

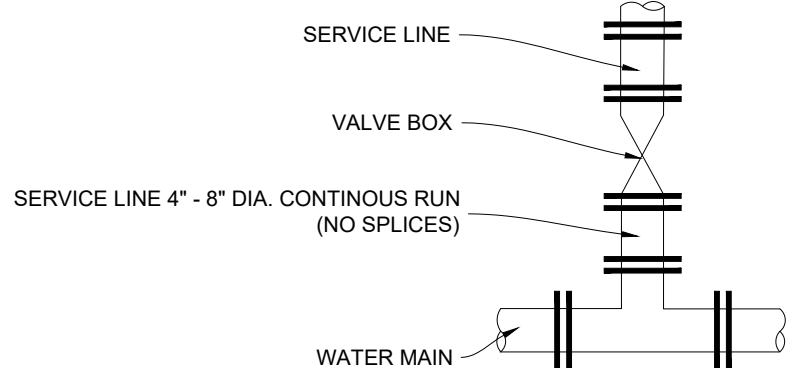
(PIPE MUST BE MECHANICALLY RESTRAINED)



NOTE:
PROVIDE A LOOP WITH SUFFICIENT SLACK TO PREVENT SERVICE LINE FROM BUCKING OR PULLING OUT OF CORPORATION STOP DURING BACKFILLING AND SETTLING OF TRENCH

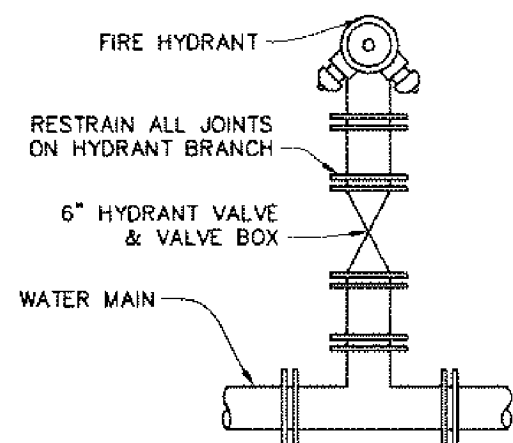
3/4\"-2" SERVICE LINE AND SERVICE STOP DETAIL

NOT TO SCALE



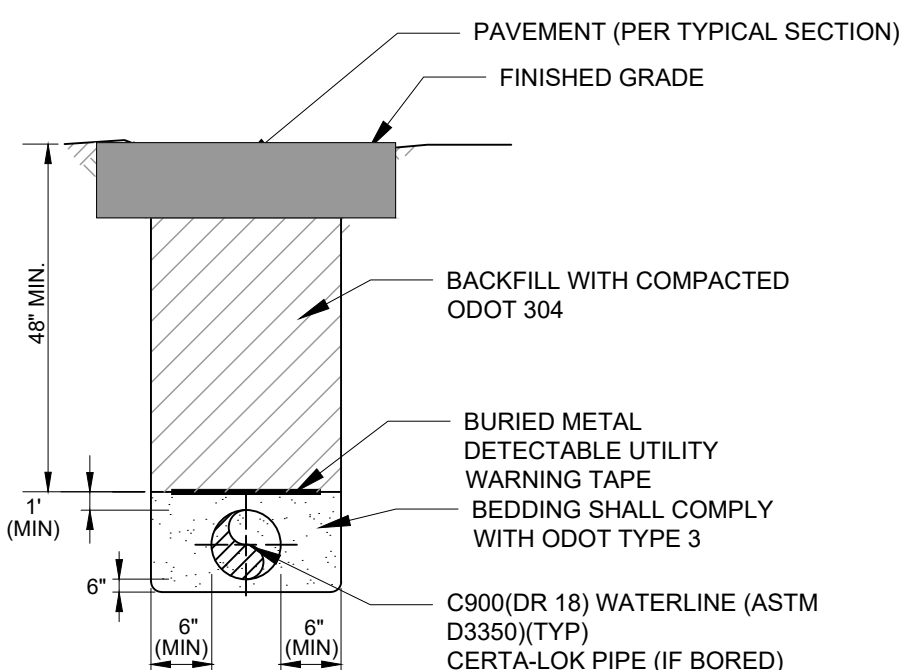
4\"-8" SERVICE LINE AND SERVICE STOP DETAIL

NOT TO SCALE



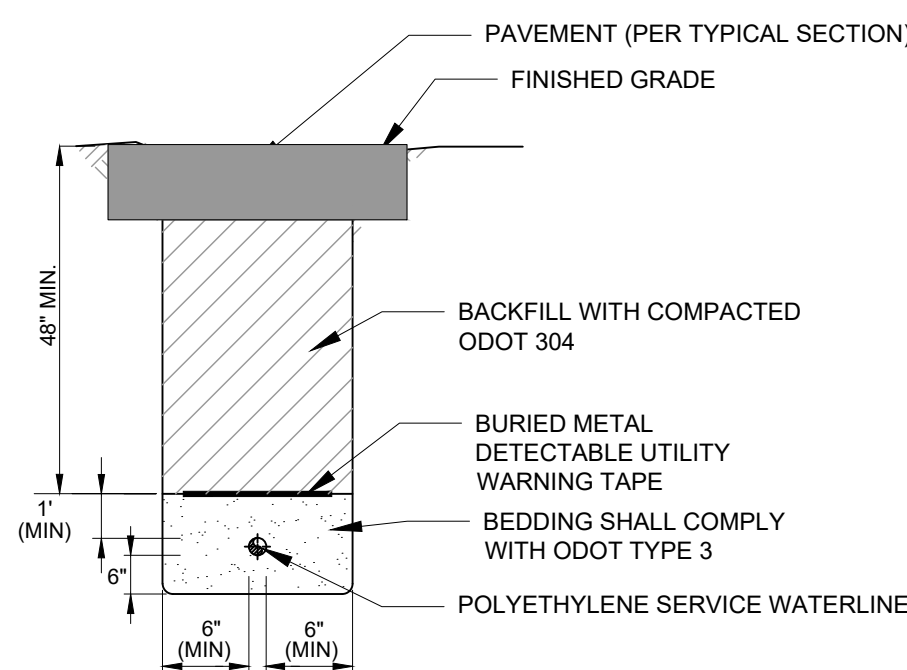
TYPICAL FIRE HYDRANT SETTING DETAIL A

N.T.S.



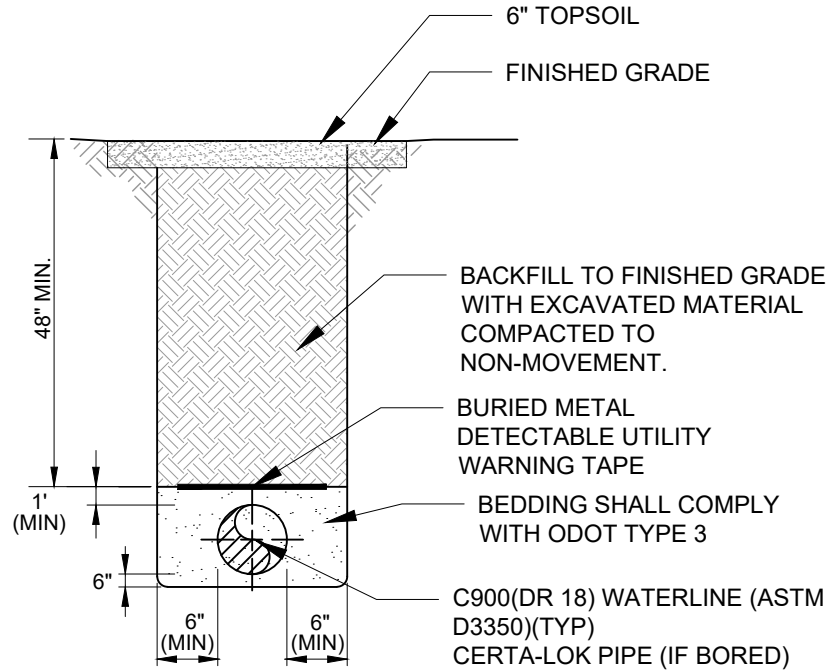
WATERLINE MAIN TRENCH DETAIL (UNDER PAVEMENT)

NOT TO SCALE



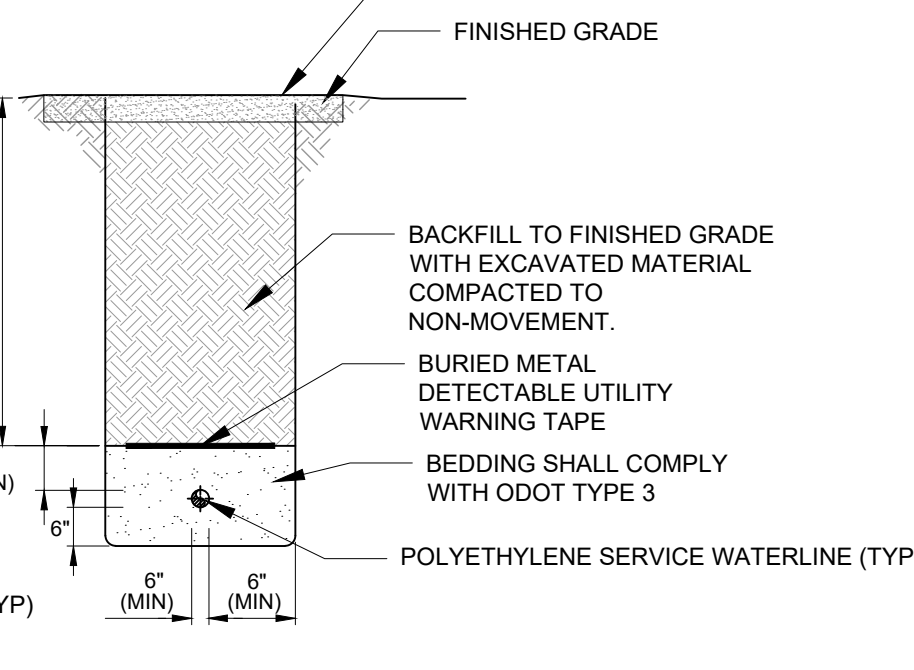
WATERLINE SERVICE TRENCH DETAIL (UNDER PAVEMENT)

NOT TO SCALE



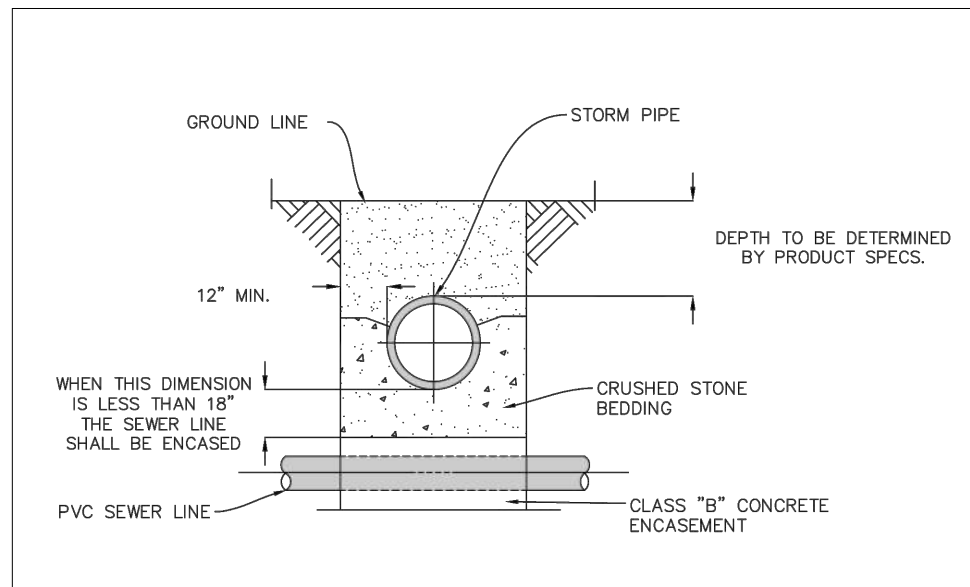
WATERLINE MAIN TRENCH DETAIL (OUTSIDE OF PAVEMENT)

NOT TO SCALE



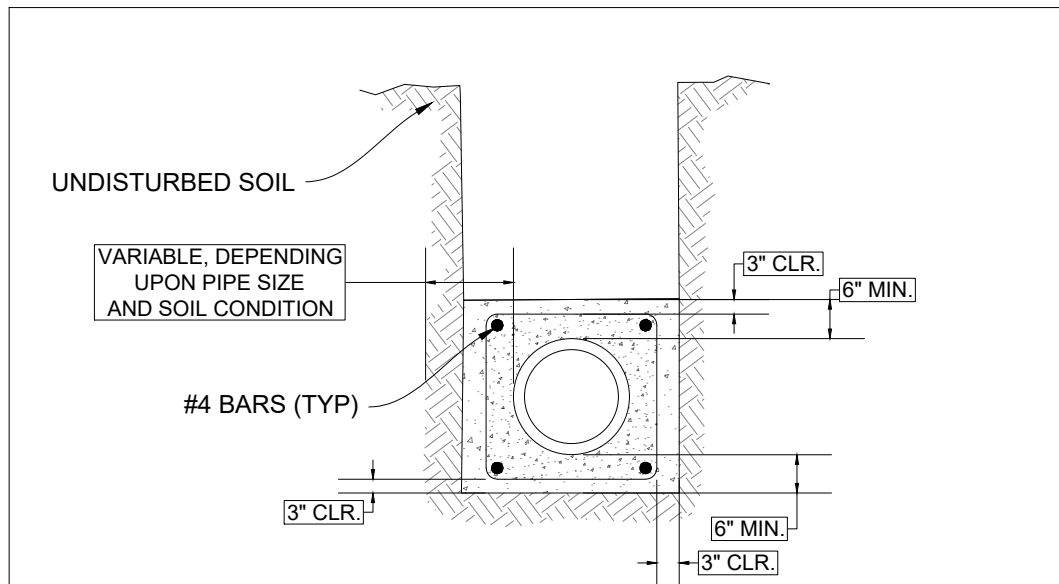
WATERLINE SERVICE TRENCH DETAIL (OUTSIDE OF PAVEMENT)

NOT TO SCALE



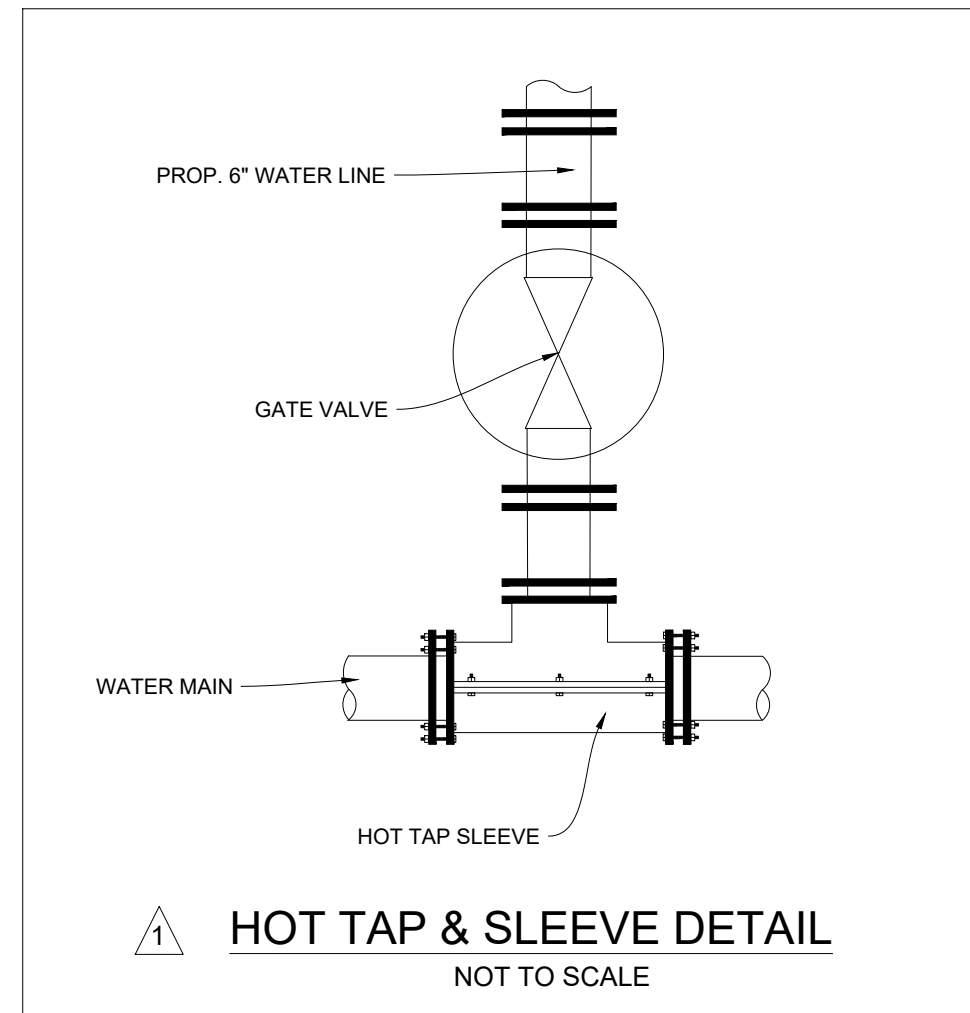
PIPE CROSSING DETAIL

NOT TO SCALE



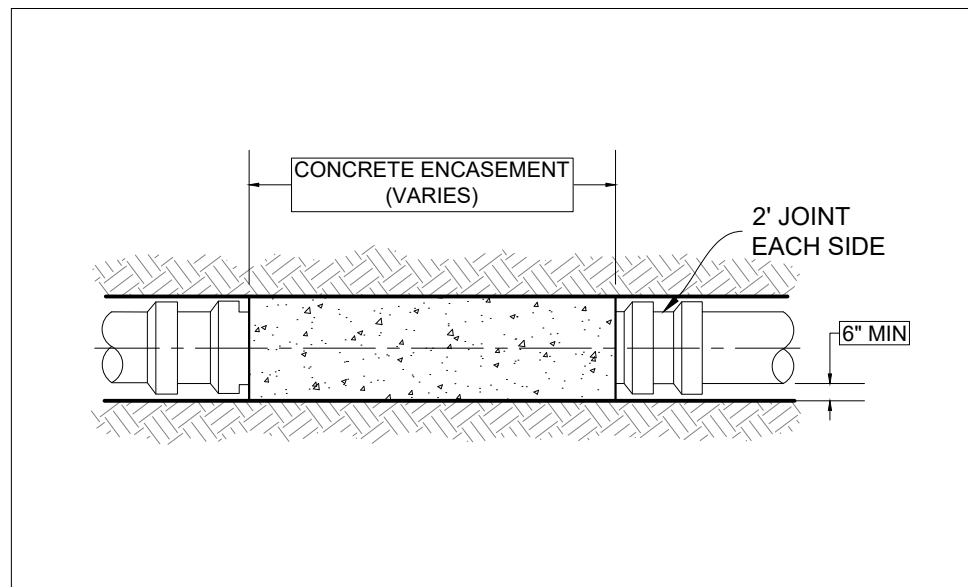
TYPE \"B\" CONCRETE ENCASEMENT

NOT TO SCALE



HOT TAP & SLEEVE DETAIL

NOT TO SCALE



STANDARD CONCRETE ENCASEMENT

NOT TO SCALE

- NOTES:
- CONCRETE ENCASEMENT SHALL BE USED WHEN COVER IS LESS THAN 18\"
 - ENCASEMENT TO BE PLACED AGAINST UNDISTURBED GROUND OR FILL COMPACTED TO 90% RELATIVE COMPACTION, UNLESS OTHERWISE SPECIFIED.
 - #4 STEEL REINFORCING BARS SHALL BE USED AS SPECIFIED.
 - TYPE OF CONCRETE ENCASEMENT TO BE USED WILL BE SHOWN ON PLANS TO MEET FIELD CONDITIONS.
 - WHERE SLOPE TRENCHES ARE USED, WALLS WILL NOT BEGIN TO SLOPE CLOSER THAN 12 INCHES FROM THE TOP OF THE PIPE.
 - ENCASEMENT CONCRETE TO BE 450-C-2500. USE 560-C-3250 WITH REINFORCEMENT.
 - BACKFILL SHALL COMMENCE WHEN THE CONCRETE STRENGTH IS 75% OF SPECIFIED STRENGTH.
 - ENCASED CROSSING PIPES SHALL HAVE LINK OF PIPE CENTERED OVER CROSSING TO ENSURE THAT ANY CONNECTIONS OF PIPE ARE AT MAXIMUM DISTANCE FROM CROSSING.

Missing or invalid reference

File: S:\Design Documents\Civil Design Files\DRAWINGS & TEMPLATES\CITY OF COLUMBUS\0000_1

Sheet: 42

WATERLINE SERVICE BORING DETAIL

(UNDER PAVEMENT)

PIRATES COVE SUBDIVISION

806 W. MAIN ST.
SUGARCREEK, OHIO 44681
TUSCARAWAS COUNTY

1\" ACTUAL

IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1\") EXACTLY, THIS DRAWING WILL BE CONSIDERED TO BE A Labeled Scales.

Mark Revisions Date

Date: 6/16/2022

Scale: AS NOTED

Drawn by: RES

Checked by: BP

Job: 20-286

Sheet Title

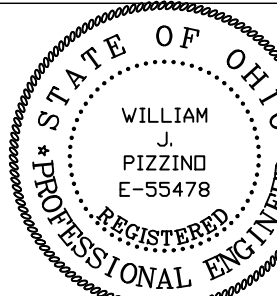
W-103

WATER LINE DETAILS

TEKTON
ENGINEERING

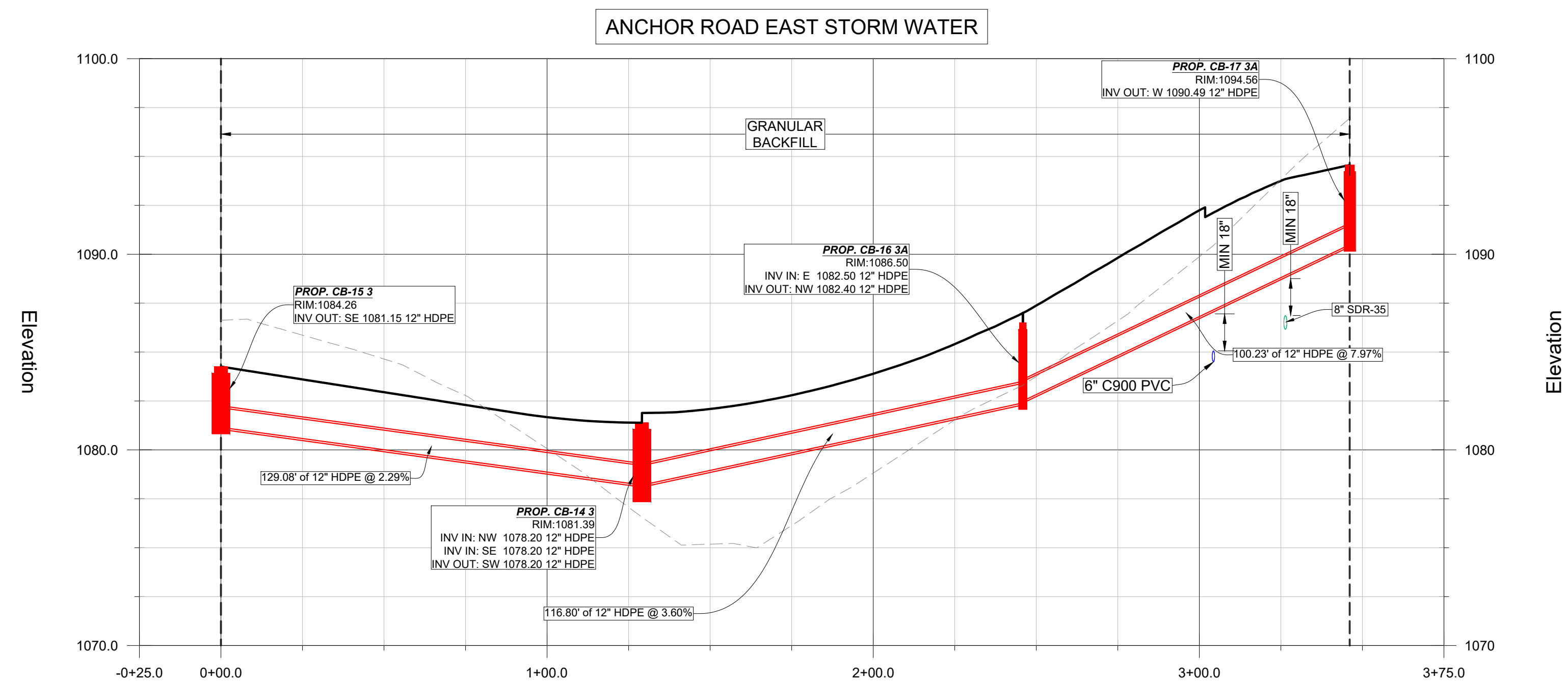
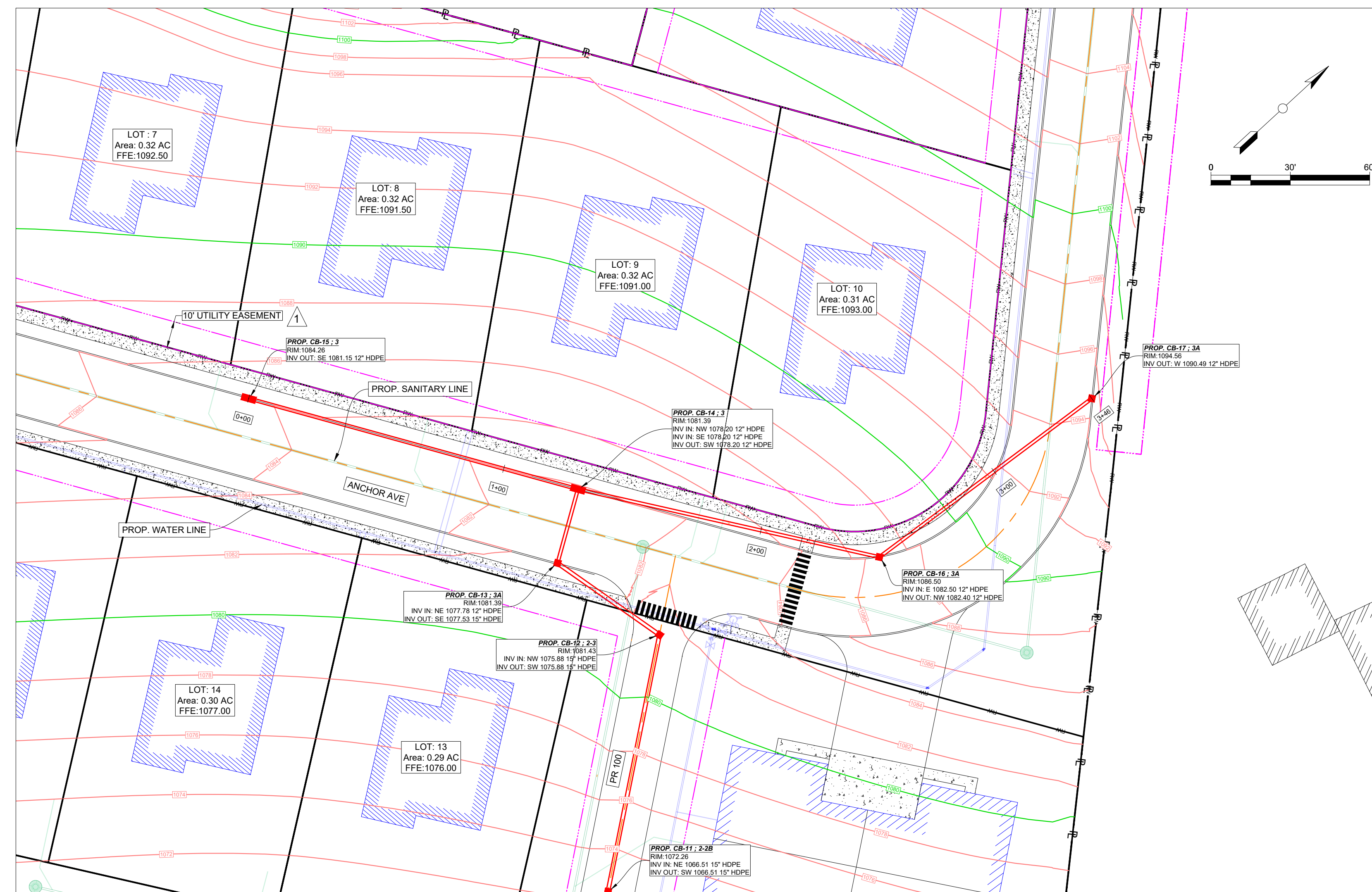
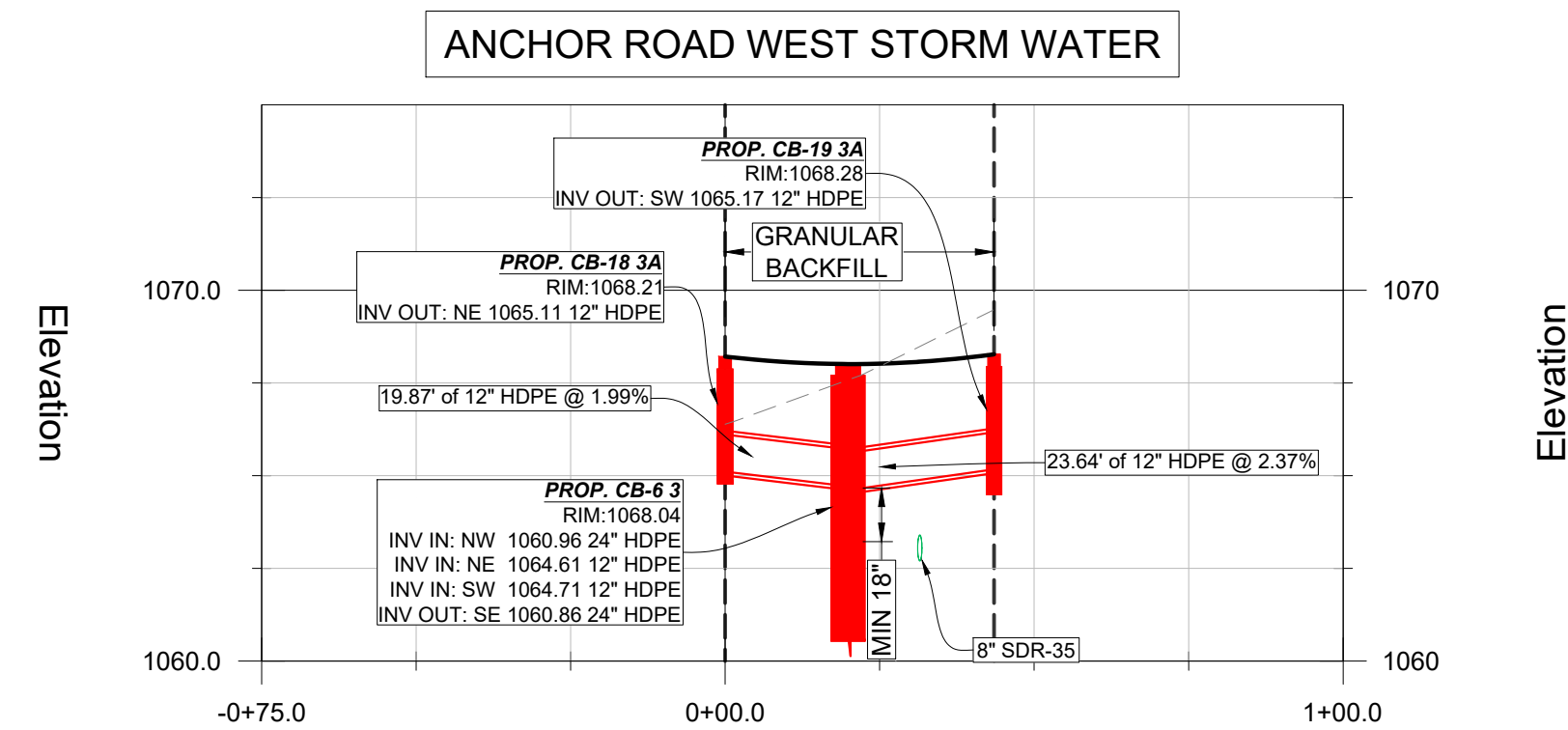
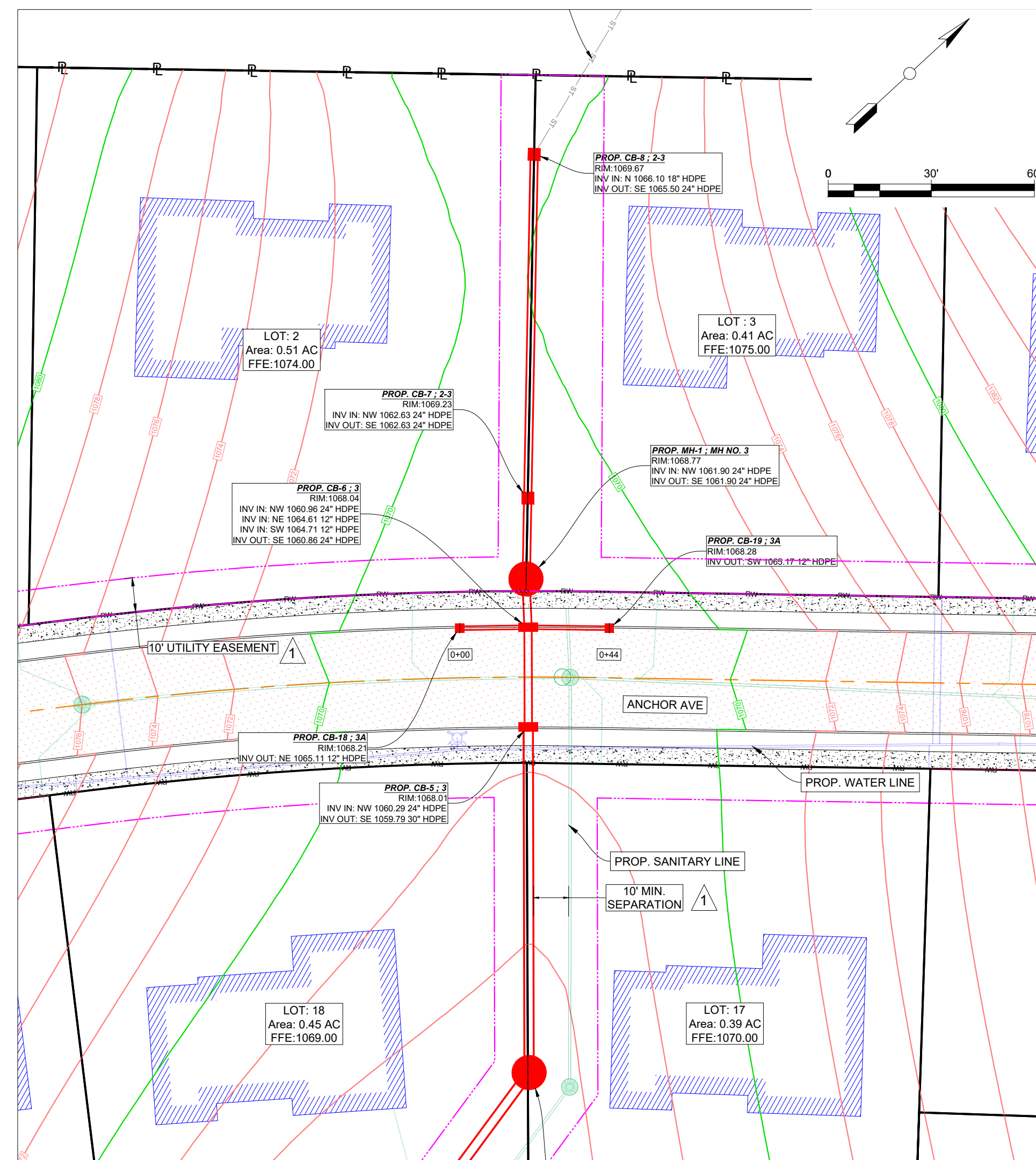
4805 E. MAIN ST. P.O. BOX 347 BERLIN, OH 44610

Phone # 330-893-0230 WWW.TEKTON-ENG.COM



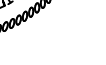
William J. Pizzino 7/29/2022

CONTRACTOR:



TEKTON
ENGINEERING

4805 E. MAIN ST. P.O. BOX 347 BERLIN, OH 44610
Phone # 330-893-0230 WWW.TEKTON-ENG.COM



7/29/22

CONTRACTOR:

PIRATES COVE SUBDIVISION

806 W. MAIN ST.

SUGARCREEK, OHIO 44681

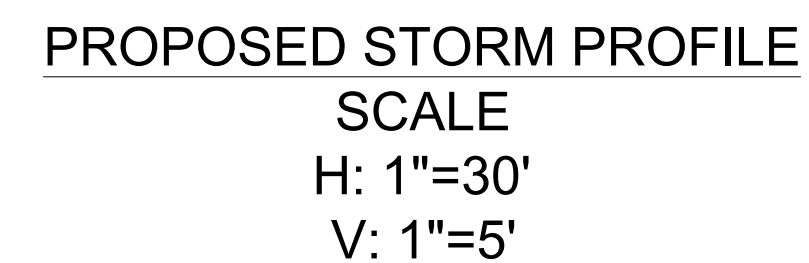
TUSCARAWAS COUNTY

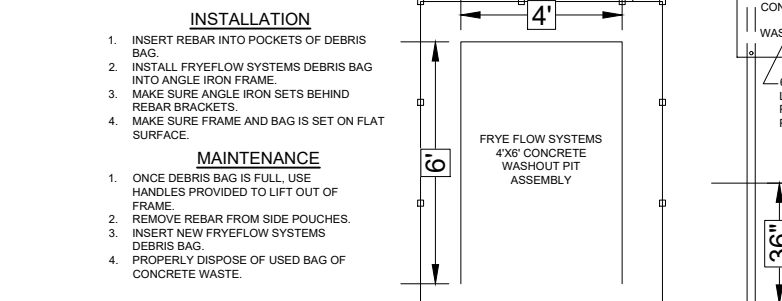
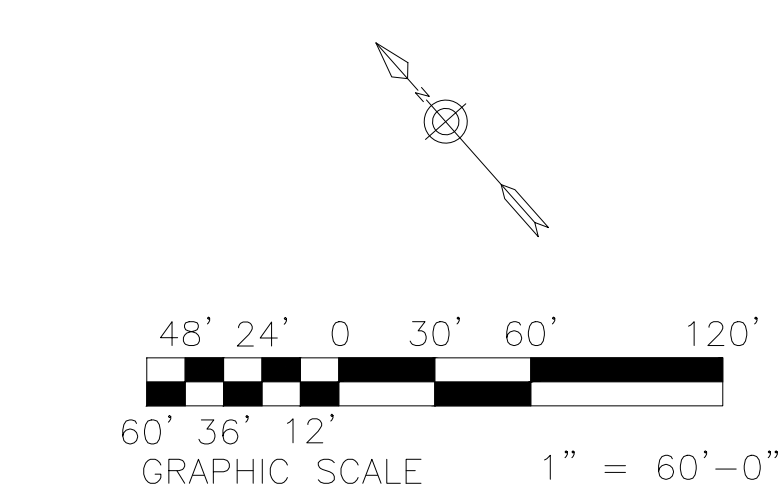
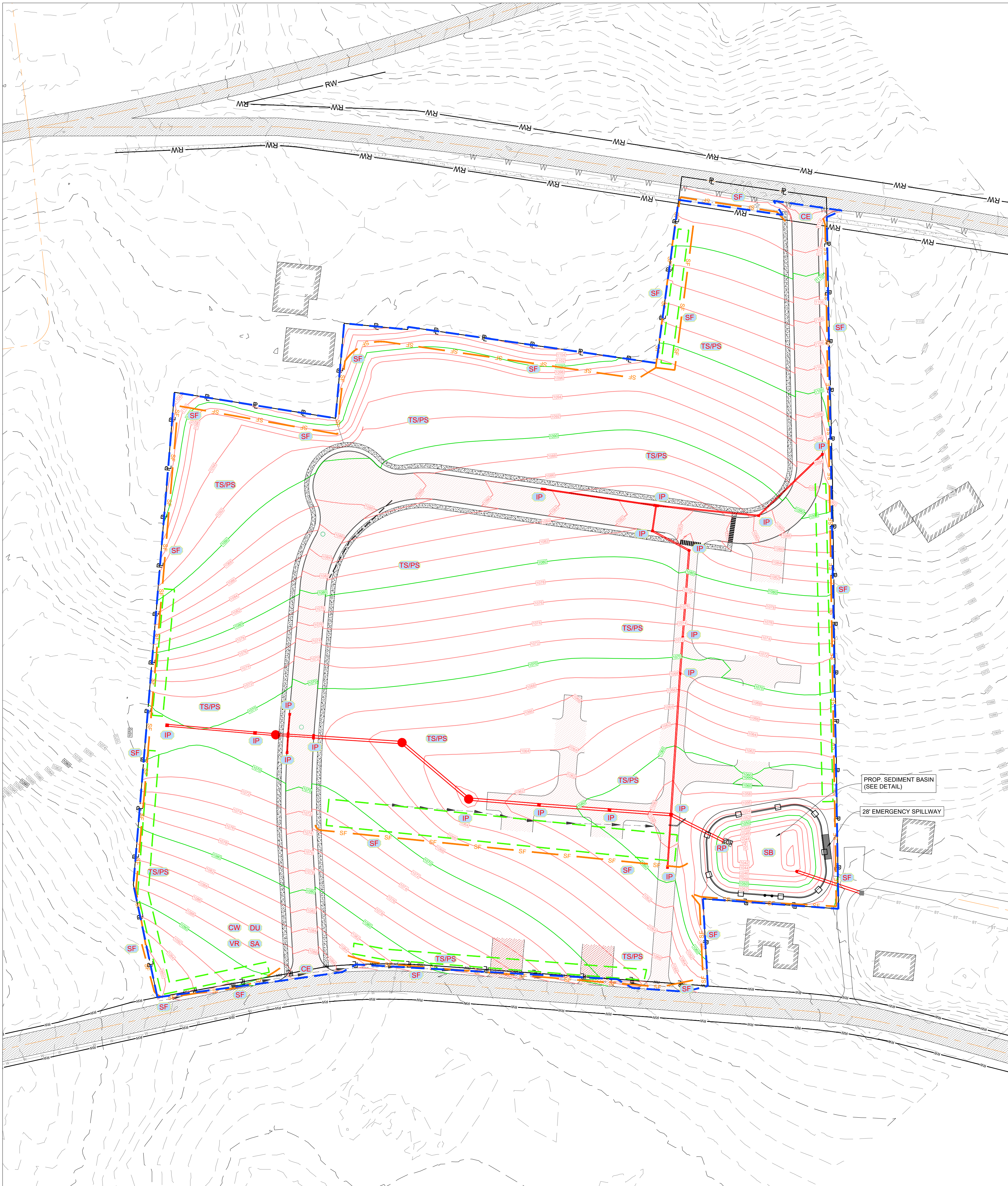
N AND PROFILE

IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING WILL HAVE BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.		
Mark	Revisions	Date
Date:	6/16/2022	
Scale:	AS NOTED	
Drawn by :	RES	
Checked by:	BP	
Job:	20-286	
Sheet Title		

S-100

ANCHOR ROAD WEST AND EAST PLAN AND PROFILE





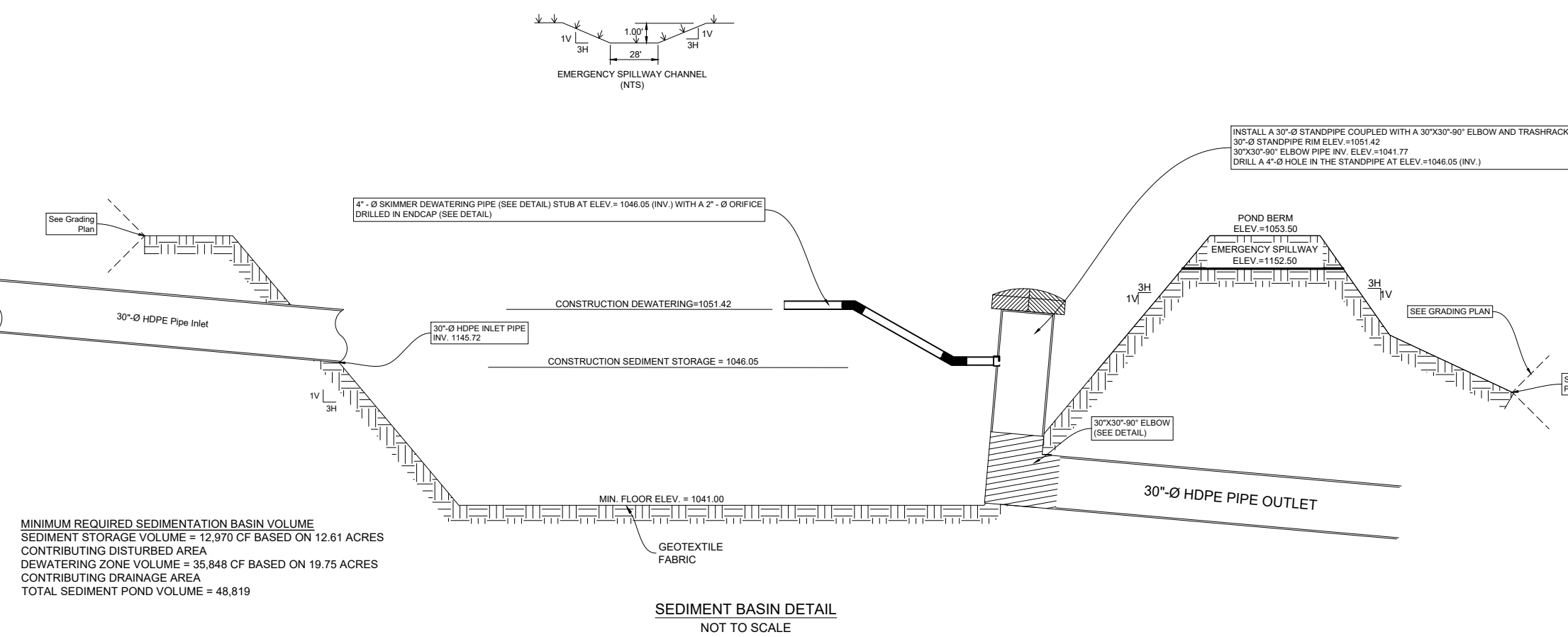
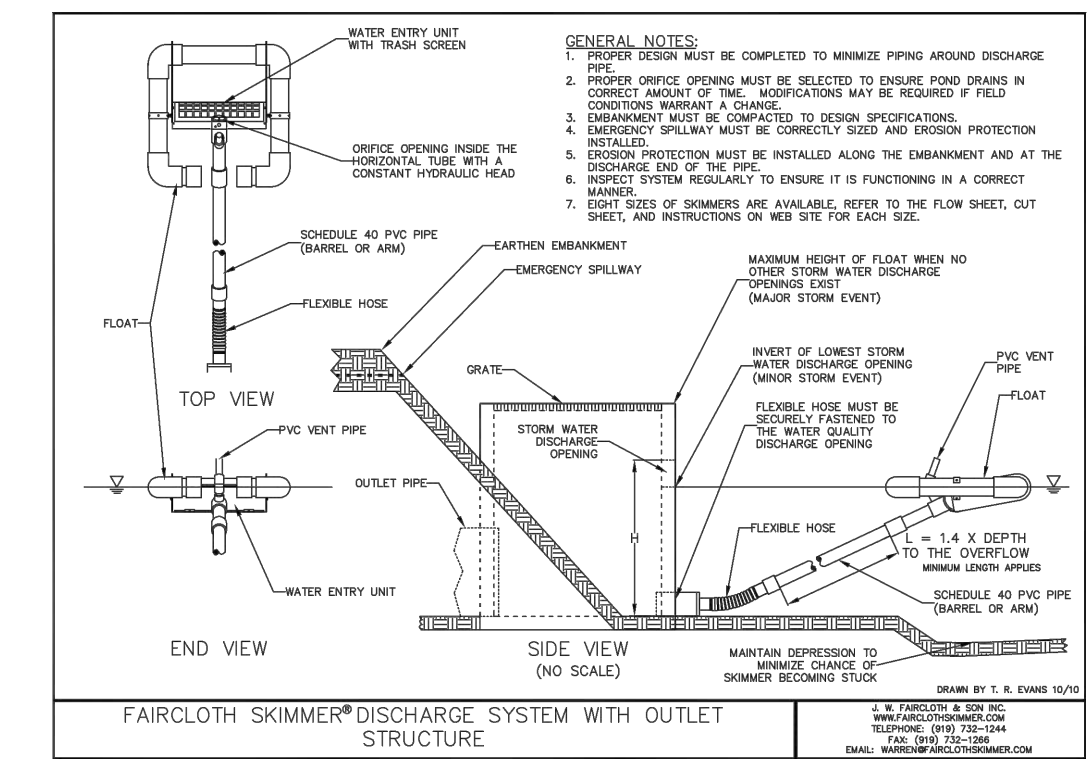
- SEQUENCE OF SEDIMENT & EROSION CONTROL OPERATIONS**
1. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, THE REPAIR TRACK SHALL BE STAKED AND CLEARLY IDENTIFIED AS A "NO-DISTURB" AREA.
 2. INSTALL THE CONSTRUCTION ENTRANCE.
 3. SILT FENCE SHALL BE PLACED IN THE LOCATIONS SHOWN ON THE SWPPP. SILT FENCE SHALL BE INSTALLED IMMEDIATELY DOWNWIND OF ANY AREAS TO BE GRUBBED PRIOR TO GRUBBING OPERATIONS.
 4. STORM AND STOCKPILE TOPPING AND UNDESIRABLE MATERIAL, PLACE SILT FENCE BARRIER AROUND STOCKPILE.
 5. PERFORM MAJOR CUT/FILL EXCAVATION ON ROADWAY AND OVERLOT AREAS, GRADE WALES.
 6. INITIAL WATERWAIN, THEN WATERSHED, STORM, STOCKPILE EXCESS MATERIAL, PLACE SILT FENCE BARRIER AROUND STOCKPILE.
 7. CONSTRUCT STORM DRAIN DURING CONSTRUCTION OF STORM DRAIN THE ENDS OF ALL OPEN PIPES SHALL BE PROTECTED BY FILTER BARRIERS OR OTHER APPROVED MEANS.
 8. IMMEDIATELY AFTER THE INSTALLATION OF STORM SEWERS, ANY INLET STRUCTURES ON THE SYSTEM SHALL BE FITTED WITH DEVICES TO PREVENT SILT FROM ENTERING THE SYSTEM. PLACE FILTER BARRIER AROUND STOCKPILE OF EXCESS MATERIAL.
 9. CONSTRUCT TEMPORARY DRAINAGE TO DRAINAGE STRUCTURES.
 10. WHEN FILTER BARRIERS ARE LOCATED FROM AROUND STOCKPILE, PROTECT FROM EXCESS GRAVING AND UNDESIRABLE MATERIAL, PLACE SILT FENCE BARRIER AROUND STOCKPILE.
 11. EXCAVATE FOR ROADWAYS, IF PLACEMENT OF AGGREGATE BASE LAGO BEHIND THE FINAL SUBBASE GRADING BY MORE THAN FIVE DAYS, SUBBASE SHALL BE SCORPED PERPENDICULAR TO THE SLOPE TO PREVENT EROSION. STOCKPILE EXCESS MATERIAL, PLACE FILTER BARRIER AROUND STOCKPILE.
 12. UPON COMPLETION OF FINAL FINISH GRADE THE RIGHT-OF-WAY AREA, RIGHT-OF-WAY AREA SHALL BE SEEDING AND MULCHED WITHIN 7 DAYS OF GRADING.
 13. PLACE ANY REMAINING STOCKPILE MATERIAL ON OVERLOT AREAS.
 14. ALL DISTURBED AREAS SHALL BE PROTECTED FROM EROSION WITHIN 7 DAYS OF FINAL GRADING BY AN APPROVED METHOD CONSISTENT WITH THE GRADING SEASON.
 15. CONSTRUCT FOUNDATIONS AND DIRECT STRUCTURES AND APPURTENANCES. STOCKPILE OR HAUL OFFSITE ANY EXCESS MATERIAL, PLACE FILTER BARRIER AROUND STOCKPILE.
 16. EXECUTE GRADING AND FILLING OPERATIONS AROUND BUILDINGS AND IN YARD AREAS.
 17. SEED AND MULCH OR SOIL DISTURBED AREAS WITHIN 7 DAYS OF FINAL GRADING.

SWPPP LEGEND	
SILT FENCE	SF
CONCRETE WASHOUT AREA	CW
VEHICLE REFUELING AREA	VR
DUMPSTER	DU
STAGING AREA	SA
TEMPORARY/PERMANENT SEEDING	TS/PS
CONSTRUCTION ENTRANCE	CE
PROPOSED RIP-RAP EROSION PROTECTION WITH UNDERLYING GEOTEXTILE	RP
INLET PROTECTION	IP
SEDIMENTATION BASIN	SB
OVERALL SOIL DISTURBING LIMITS (AREA: 12.61 ACRES)	
TOP SOIL STOCKPILE	

LEGEND	
PROPERTY LINE EXTENTS	PL
ADJACENT PROPERTY LINE	
PROPOSED STORM PIPE	
PROPOSED STORM CATCH BASIN	
PROPOSED STORM MANHOLE	
EXISTING STORM PIPE	
EXISTING STORM CATCH BASIN	
EXISTING CONTOURS	12.60, 12.50, 12.40
PROPOSED CONTOURS	12.60, 12.50, 12.40

EROSION CONTROL SCHEDULE		
EROSION CONTROL MEASURE	MAINTENANCE	INSTALLATION SCHEDULE
STONE ENTRANCE	AS NEEDED	PRIOR TO START OF CONSTRUCTION
SILT FENCE	WEEKLY AFTER STORMS AS NEEDED	PRIOR TO START OF CONSTRUCTION
EXISTING INLET PROTECTION	WEEKLY AFTER STORMS AS NEEDED	PRIOR TO START OF CONSTRUCTION
TREE PROTECTION	WEEKLY AFTER STORMS AS NEEDED	PRIOR TO START OF CONSTRUCTION
TEMPORARY OVERSEEDING	WATER AS NEEDED	PRIOR TO START OF CONSTRUCTION
TEMPORARY SEEDING	WATER AS NEEDED	PRIOR TO START OF CONSTRUCTION
EROSION CONTROL MATTING	WATER AS NEEDED	PRIOR TO START OF CONSTRUCTION
STRAW BALES	WEEKLY AFTER STORMS AS NEEDED	AFTER FINISH GRADING
INLET PROTECTION	WEEKLY AFTER STORMS AS NEEDED	AFTER FINISH GRADING
SEED AND SOIL FINISHED UNITS	WATER AS NEEDED	AFTER FINISH GRADING
REMOVAL OF STRAW BALES	WATER AS NEEDED	AFTER FINISH GRADING
REMOVAL OF SILT FENCE	WATER AS NEEDED	AFTER FINISH GRADING
REMOVAL OF INLET PROTECTION	WATER AS NEEDED	AFTER FINISH GRADING

TEMPORARY SEEDING SCHEDULE		
TYPE OF SEED	SEEDING DATES	LBS/1000 SQ. FT.
ANNUAL RYE GRASS	MARCH 1ST TO SEPT. 1ST	1 LBS.
WHEAT OR RYE	AUG. 15TH TO OCT. 15TH	1 LBS.



TEKTON
ENGINEERING

4805 E. MAIN ST. P.O. BOX 347 BERLIN, OH 44610
Phone # 330-893-0230 WWW.TEKTON-ENG.COM

SEAL
7/29/22

CONTRACTOR:

PIRATES COVE SUBDIVISION
806 W. MAIN ST.
SUGARCREEK, OHIO 44681
TUSCARAWAS COUNTY

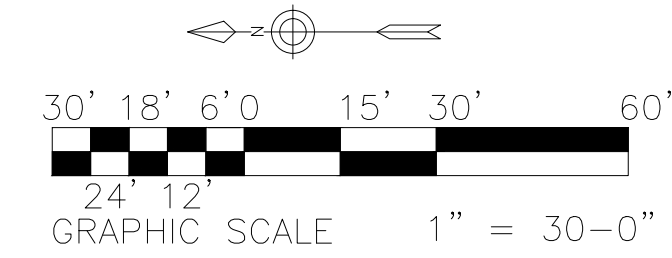
IF THE ABOVE DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING WILL HAVE BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.

Mark Revisions Date

Date: 6/16/2022
Scale: AS NOTED
Drawn by: RES
Checked by: BP
Job: 20-286
Sheet Title

S-105

PRE-DEVELOPMENT SWP3 PLAN



TEMPORARY/PERMANENT SEEDING	TS/PS
PROPOSED RIP-RAP EROSION PROTECTION WITH UNDERLYING GEOTEXTILE	RP

SIZE	A	B	C	PART #
4"	8.5"	4.0"	6.25"	09004-04-90-DW
6"	12.0"	5.0"	8.50"	09006-06-90-DW
8"	15.5"	6.5"	11.00"	09008-08-90-DW
10"	18.5"	7.0"	12.75"	09010-10-90-DW
12"	22.5"	8.0"	15.25"	09012-12-90-DW
15"	26.0"	8.5"	17.25"	09015-15-90-DW
18"	30.0"	9.0"	19.50"	09018-18-90-DW
24"	38.0"	10.5"	24.25"	09024-24-90-DW
30"	48.0"	12.0"	30.25"	09030-30-90-DW
36"	54.0"	12.5"	33.50"	09036-36-90-DW
48"	68.0"	14.0"	41.25"	09048-48-90-DW

