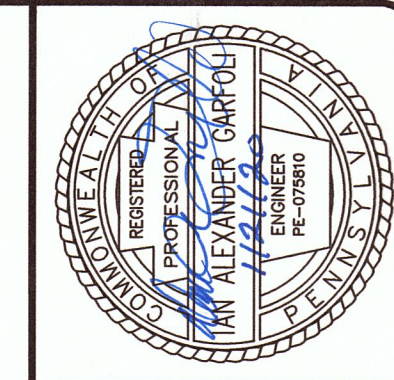


CITY OF HERMITAGE

2020 NEIGHBORHOOD INVESTMENT PROGRAM

MERCER COUNTY, PENNSYLVANIA



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PA ONE CALL:
ACT 287, AS AMENDED



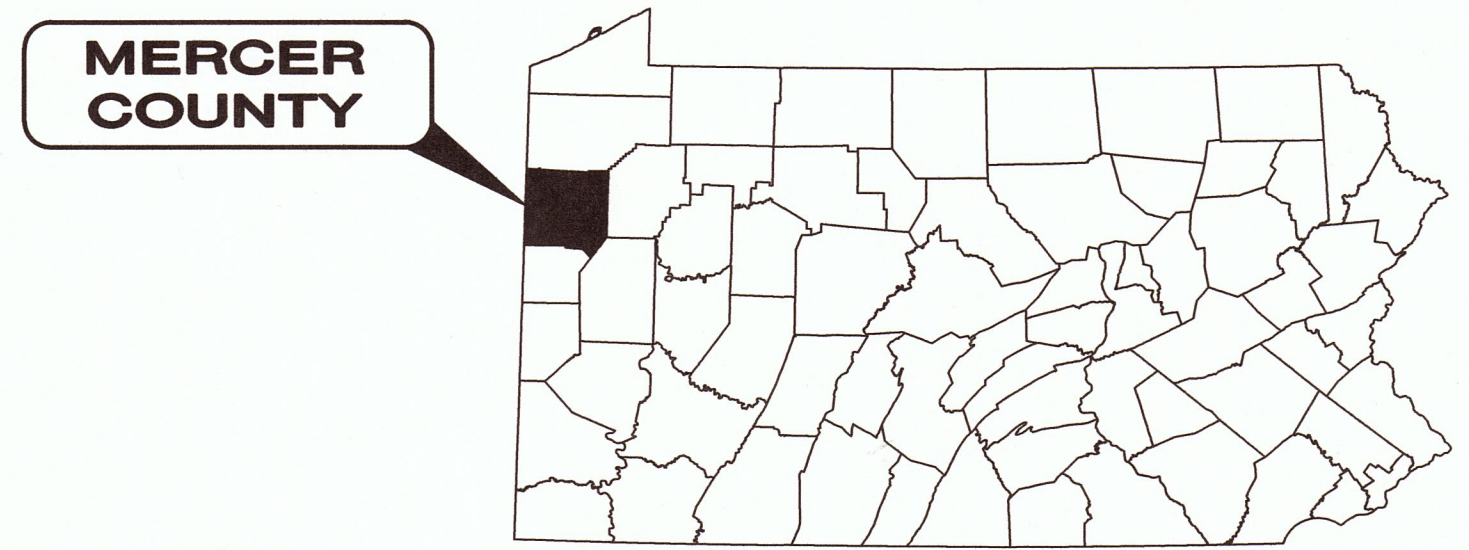
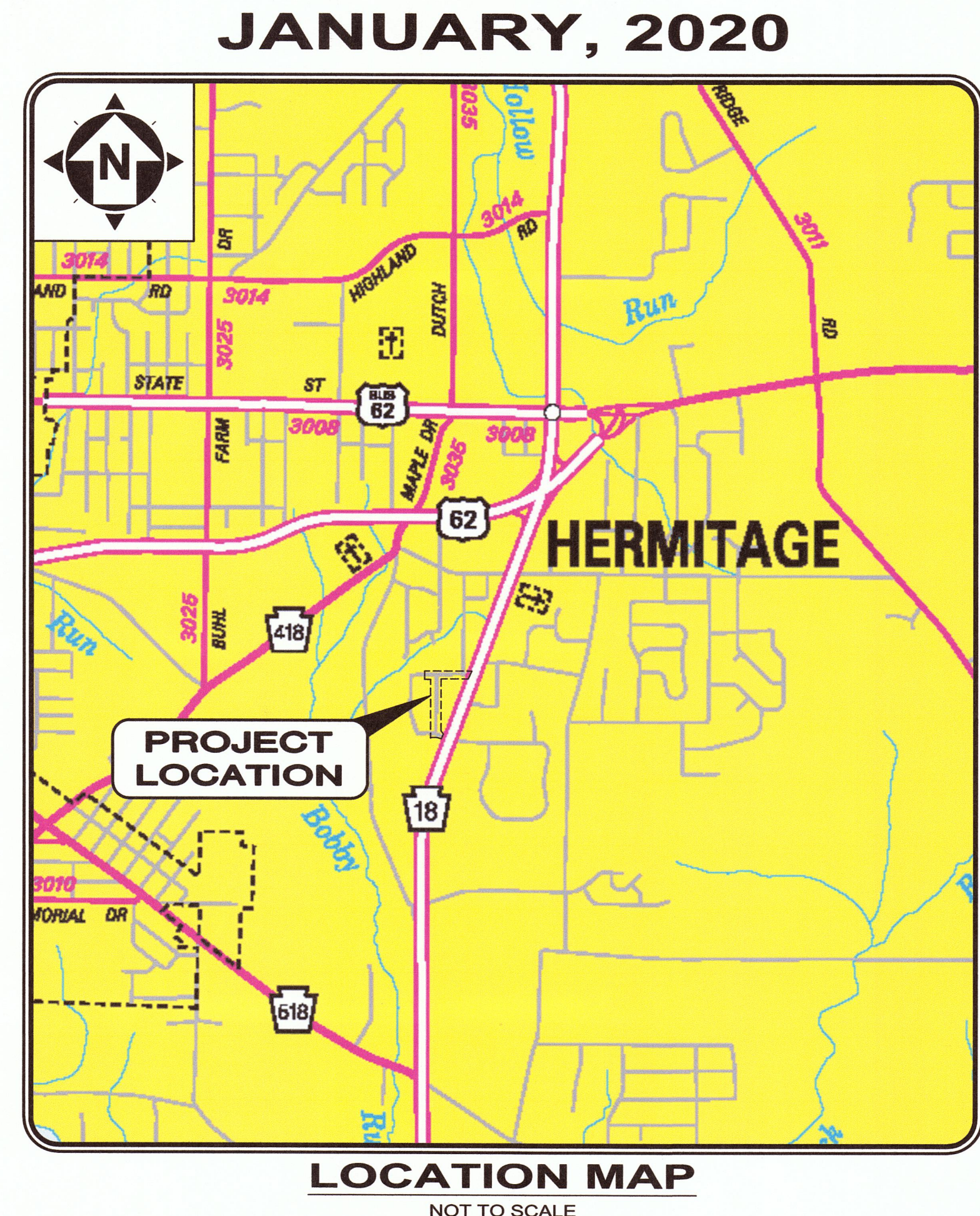
PENNSYLVANIA ACT 287 (1974) AS AMENDED BY PENNSYLVANIA ACT 121 (2008), REQUIRES NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE COMMONWEALTH.

PA ONE CALL DESIGN SERIAL NUMBERS:

201812722642 - MICHAEL LANE, CARROLL LANE
HERMITAGE, PENNSYLVANIA

PA ONE CALL-UTILITY LIST:

- | | |
|---|---|
| 1. CITY OF HERMITAGE STREET DEPARTMENT | 6. NATIONAL FUEL GAS DISTRIBUTION CO. (GAS) |
| 2. HERMITAGE MUNICIPAL AUTHORITY (SEWER) | 7. CHARTER COMMUNICATIONS (COMMUNICATIONS) |
| 3. AQUA PENNSYLVANIA WATER CO. (WATER) | 8. DIVERSIFIED GAS AND OIL (GAS) |
| 4. PENNSYLVANIA POWER CO. (ELECTRIC) | 9. INVOLTA (COMMUNICATIONS) |
| 5. VERIZON PENNSYLVANIA, LLC (COMMUNICATIONS) | |
- UNDERGROUND BUILDING SERVICE UTILITY LINES ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, MAINTAINING AND REPLACING AS NECESSARY TO ENSURE CONTINUAL SERVICE TO BUILDINGS.
 - THE CONTRACTOR IS RESPONSIBLE TO CALL PENNSYLVANIA ONE CALL SYSTEM, INC. @ 1-800-242-1776, THREE WORKING DAYS PRIOR TO CONSTRUCTION.



APPROVALS:

[Signature]
CITY MANAGER MR. GARY P. HINKSON DATE 1/21/2020

BOARD OF COMMISSIONERS:

- MR. WILLIAM J. MODER, PRESIDENT
- MR. DUANE J. PICCIRILLI, VICE-PRESIDENT
- MR. LOUIS E. SQUATRITO, JR.
- MR. MICHAEL T. MUHA
- MR. WILLIAM G. MCCONNELL, JR.

CITY OFFICIALS:

- MR. GARY P. HINKSON, CITY MANAGER
- MR. GARY GULLA, ASSISTANT CITY MANAGER
- MR. BRETT STEDMAN, SOLICITOR

ENGINEER:

CT CONSULTANTS, INC.
3735 E. STATE STREET
HERMITAGE, PA 16148

(724) 734-2306 PHONE
(724) 981-1904 FAX

[Signature] DO HEREBY CERTIFY PURSUANT TO THE PENALTIES OF 18 PA. C.S.A. SEC. 4904 TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THAT THE INFORMATION CONTAINED IN THE ACCOMPANYING PLANS, SPECIFICATIONS AND REPORTS HAS BEEN PREPARED IN ACCORDANCE WITH THE ACCEPTED ENGINEERING PRACTICE, IS TRUE AND CORRECT, AND IS IN CONFORMANCE WITH CHAPTER 105 OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

DATE	REVISION	NO	BID SET	ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
			1/20/2020	AS SHOWN					

CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
TITLE SHEET

PROJECT NO.	180302
DISCIPLINE	CIVIL
SHEET NAME	TS
SHEET	OF
1	23



GENERAL NOTES:

- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THIS PROJECT'S SPECIFICATIONS AND CONSTRUCTION DRAWINGS, AS WELL AS ALL STANDARDS AND SPECIFICATIONS ESTABLISHED BY THE OWNER.
- A PRE-CONSTRUCTION CONFERENCE SCHEDULED BY THE ENGINEER SHALL BE HELD PRIOR TO ANY WORK STARTING. IN ADDITION, THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE TO THE ENGINEER, THE CITY, AND ALL NECESSARY UTILITIES PRIOR TO BEGINNING WORK TO ARRANGE FOR CONSTRUCTION INSPECTION SERVICES.
- THE CONTRACTOR IS TO PROVIDE RED MARKED AS-BUILT DRAWINGS IN ACCORDANCE WITH THE SPECIFICATIONS DETAILING CONSTRUCTION IMPROVEMENTS TO THE ENGINEER PRIOR TO THE SUBMISSION OF FINAL PAYMENT APPLICATION.
- THE CONTRACTOR SHALL VISIT THE SITE PERSONALLY TO ASCERTAIN THE NATURE OF THE WORK AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE SITE PRIOR TO BID SUBMISSION.
- THE CONTRACTOR SHALL PROVIDE A PROFESSIONAL QUALITY VIDEO RECORDING WITH AUDIO OF THE ENTIRE PROJECT PRIOR TO AND FOLLOWING ANY CONSTRUCTION IN ORDER TO DOCUMENT THE EXISTING CONDITIONS. EACH SIGNIFICANT STRUCTURE SHOULD BE VERBALLY ANNOUNCED PRIOR TO COMMENCING VIDEO RECORDING IN ITS AREA. ONE COPY OF THE DVD CONTAINING THE VIDEO RECORDINGS SHALL BE SUBMITTED TO THE OWNER AT THE PRE-CONSTRUCTION MEETING. THE POST-CONSTRUCTION VIDEO SHALL BE REQUIRED PRIOR TO PROJECT CLOSEOUT.
- NO DRIVEWAY SHALL BE BLOCKED BY THE CONTRACTOR OR SUBCONTRACTOR WITHOUT A WRITTEN NOTICE PROVIDED TO THE RESIDENT AT LEAST 24 HOURS IN ADVANCE OF THE BLOCKING.
- ALL EXISTING AREAS AND APPURTENANCES DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS OR BETTER AND APPROVED BY THE OWNER.
- ALL EXISTING APPURTENANCES (UTILITY POLES, VALVES, HYDRANTS, MANHOLES, ETC.) ARE TO BE MAINTAINED BY THE CONTRACTOR, UNLESS OTHERWISE SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL INCLUDE THE COST FOR SUPPORTING ALL TELEPHONE, POWER, CABLE, AND LIGHT POLES IN HIS BID PRICE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING SIGNS, STRUCTURES, SUBGRADE PIPING, OR PROPERTY AND SHALL REPAIR OR REPLACE ALL DAMAGED ITEMS TO PRE-CONSTRUCTION CONDITIONS OR BETTER AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL PRESERVE ALL CORNERSTONES, IRON PINS, CONCRETE MONUMENTS, OR ANY OTHER TYPE OF LAND MONUMENT. THE CONTRACTOR SHALL HAVE ALL LAND MONUMENTS IN THE PROXIMITY OF THE WORK AREA REFERENCED. THE CONTRACTOR SHALL REPLACE DESTROYED OR DAMAGED LAND MONUMENTS AND SHALL FURNISH A CERTIFICATION BY A REGISTERED PENNSYLVANIA SURVEYOR THAT THE LAND MONUMENTS HAVE BEEN RESTORED.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR REVIEW BY THE ENGINEER AND THE OWNER, A SITE PLAN INCLUDING DETAILED LAYOUT OF STAGING AREAS INCLUDING THIRD PARTY AGREEMENT IF STAGING AREA IS OUTSIDE THE EASEMENTS AND RIGHT-OF-WAYS AS SHOWN ON THE PLANS AT NO CHANGE IN CONTRACT TIME AND CONTRACT SUM.
- ALL EXISTING ASPHALT AND CONCRETE PAVEMENT CUTTING, IF NECESSARY, SHALL BE MACHINE SAW CUT IN A NEAT AND STRAIGHT LINE.
- THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING ALL SOILS AND PAVEMENT TESTING AND OBTAINING THE SERVICES OF AN INDEPENDENT LABORATORY AS SPECIFIED IN THE CONTRACT DOCUMENTS AND IS TO INCLUDE THE COST IN HIS BID PRICE.
- ANY DEFECTS DISCOVERED IN NEW CONSTRUCTION, WORKMANSHIP, EQUIPMENT OR MATERIALS SHALL BE REPAIRED, OR CORRECTED BY APPROVED METHODS BY THE CONTRACTOR AS DIRECTED BY THE OWNER.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT ANY CAVING OR SETTLING OF EXCAVATION OR TRENCH WALLS WHICH COULD ENDANGER THE SAFETY OF ANY PERSON ENGAGED IN THE WORK, OR TO DIMINISH THE TRENCH WIDTH NECESSARY FOR THE PROPER CONSTRUCTION OF THE CONDUIT, OR OTHERWISE INJURE OR DELAY THE WORK. THE TYPE AND AMOUNT OF SUCH PROTECTION, SUCH AS TRENCH BOXES, SHEETING, SHORING, OR BRACING SHALL BE CONSISTENT WITH THE DEPTH AND WIDTH OF EXCAVATION, COMPOSITION AND WATER CONTENT OF THE SOIL, THE VIBRATION FROM EQUIPMENT AND THE SOIL PLACEMENT, AND SHALL BE IN ACCORDANCE WITH THE LATEST FEDERAL OCCUPATIONAL, SAFETY, AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL INCLUDE COSTS RELATED TO THIS ITEM IN HIS BASE BID.
- ALL WORK COMPLETED UNDER THIS CONTRACT SHALL COMPLY WITH THE U.S. DEPARTMENT OF LABOR AND OCCUPATIONAL SAFETY AND HEALTH ACT, AS WELL AS LOCAL AND STATE REGULATIONS.

EXISTING CONDITIONS NOTES:

- THE EXISTING CONDITIONS SHOWN ON THE PLANS ARE TAKEN FROM A TOPOGRAPHIC SURVEY PERFORMED BY CT CONSULTANTS, INC. IN JULY OF 2018. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXISTING CONDITIONS AT THE PROJECT SITE. ITEMS THAT ARE MISSING OR VARY FROM THE PLANS ARE TO BE REPORTED TO THE ENGINEER PRIOR TO COMMENCING THE WORK OF THIS PROJECT.
- EXISTING STRUCTURES, GRADES, PIPING, ETC. ARE SHOWN IN APPROXIMATE LOCATION ON THE PLANS. INFORMATION SHOWN IS NOT GUARANTEED TO BE CORRECT AND COMPLETE. THE DATA SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR. THE EXISTENCE OF FACILITIES ABOVE OR BELOW GROUND, WHICH MAY NOT BE SHOWN, WILL NOT BE A BASIS FOR A CLAIM FOR EXTRA WORK.
- IT IS THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO TOTALLY FAMILIARIZE HIMSELF WITH THE GROUND CONDITIONS THAT NOW DO OR MAY EXIST DURING THE CONSTRUCTION SO AS NOT TO ADVERSELY AFFECT THE INTEGRITY OF ANY UTILITY INSTALLATION OR TO ADJACENT PROPERTIES OR STRUCTURES.
- ALL UTILITIES SHOWN HAVE BEEN OBTAINED VIA RECORD DRAWINGS OR AS LOCATED IN THE FIELD. NO GUARANTEE IS MADE RELATIVE TO THE COMPLETENESS OR ACCURACY.
- ALL KNOWN ABOVE AND BELOW GROUND UTILITIES HAVE BEEN NOTED ON THE DRAWINGS. THE CONTRACTOR ACCEPTS FULL RESPONSIBILITY FOR ANY UTILITIES DAMAGED DURING THE PROJECT CONSTRUCTION WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGED UTILITIES TO THE SATISFACTION OF OWNER, AS SOON AS POSSIBLE, AT THE CONTRACTOR'S OWN EXPENSE.

UTILITIES NOTES:

- AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE PENNSYLVANIA PUBLIC UTILITY COMMISSION (1-800-242-1776) AND THE OWNERS OF EACH UNDERGROUND UTILITY FACILITY SHOWN IN THE PLANS. THE OWNER OF THE UNDERGROUND UTILITY FACILITY SHALL WITHIN FORTY-EIGHT (48) HOURS, EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS, AFTER NOTICE IS RECEIVED, STAKE, MARK OR OTHERWISE DESIGNATE THE LOCATION OF THE UNDERGROUND UTILITY FACILITIES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO INDICATE THEIR COURSE TOGETHER WITH THE APPROXIMATE DEPTH AT WHICH THEY WERE INSTALLED. THE MARKING OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO DAYS AHEAD OF THE PLANNED CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY, AT LEAST 48 HOURS BEFORE BREAKING GROUND, ALL PUBLIC SERVICE CORPORATIONS HAVING WIRE, POLES, PIPES, CONDUITS OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION.

REPLACEMENT OF EXISTING TRAFFIC SIGNS & PAVEMENT MARKINGS NOTES:

- ALL EXISTING GROUND MOUNTED AND POLE TRAFFIC SIGNS THAT CONFLICT WITH, OR ARE IN THE PATH OF THE PROPOSED IMPROVEMENTS SHALL BE TEMPORARILY RELOCATED, AS DIRECTED BY THE ENGINEER, UNTIL THE SIGNS CAN BE REPLACED AT THE PROPER LOCATION UPON THE COMPLETION OF THE PROJECT.
- ALL WORK ASSOCIATED WITH REPLACING EXISTING TRAFFIC SIGNS AND PAVEMENT MARKINGS, INCLUDING THE REMOVAL AND DISPOSAL OF THE EXISTING GROUND MOUNTED SUPPORTS AND ANY LABOR, MATERIALS AND EQUIPMENT NECESSARY SHALL BE INCLUDED IN THE LUMP SUM PRICE MAINTAINING TRAFFIC, AS PER PLAN.
- CONTRACTOR SHALL RESTORE ALL ROADWAY PAVEMENT MARKINGS PER PENNDOT PUB 111 TRAFFIC CONTROL - PAVEMENT MARKINGS AND SIGNING STANDARDS.

PROTECTION OF THE PUBLIC:

- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF THE PUBLIC FROM ANY HAZARDS CAUSED BY THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL PROVIDE SIGNS, BARRICADES, FENCING, PLATES, COVERS, ETC. NEEDED TO PROVIDE THIS PROTECTION. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS WITH RESPECT TO PROTECTING THE PUBLIC.

CONSTRUCTION NOTES:

- THERE SHALL BE NO DEVIATION FROM THE APPROVED PLANS UNLESS OTHERWISE APPROVED BY THE OWNER IN WRITING.
- THE CONTRACTOR SHALL IMPLEMENT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE SOIL EROSION AND SEDIMENTATION CONTROL REGULATIONS AND GUIDELINES OF THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, MERCER COUNTY SOIL & WATER CONSERVATION DISTRICT, AND AS STATED IN THESE PLANS AND SPECIFICATIONS.
- PRIOR TO PROJECT COMPLETION, CONTRACTOR SHALL SUPPLY THE OWNER WITH A SET OF RED MARKED AS-BUILT DRAWINGS IN ACCORDANCE WITH THE SPECIFICATIONS AND CONTAINING POST-CONSTRUCTION ELEVATIONS OF THE CULVERT CENTERLINE AND ELEVATIONS OF ANY OTHER SURFACE THAT HAS CHANGED THROUGHOUT THE PROJECT LENGTH. THE DATA SHALL BE OBTAINED AND SUPPLIED BY A LICENSED SURVEYOR REGISTERED IN THE STATE OF PENNSYLVANIA.
- ALL EXCAVATED MATERIAL AND ALL MATERIAL USED IN CONSTRUCTION OF THE WORK SHALL BE MAINTAINED IN A MANNER THAT WILL NOT ENDANGER THE WORK AND THAT WILL LEAVE DRIVEWAYS, HYDRANTS, VALVE PIT COVERS, VALVE BOXES, FIRE AND POLICE CALL BOXES, OR OTHER UTILITY CONTROLS UNOBSTRUCTED AND ACCESSIBLE WHILE THE WORK IS BEING COMPLETED. DITCHES AND STREAM BANKS SHALL BE KEPT CLEAR AND SATISFACTORY PROVISIONS SHALL BE MADE FOR STREET DRAINAGE. ALL NATURAL WATER COURSES SHALL NOT BE OBSTRUCTED OR ALTERED IN ANY WAY. DURING THE PROGRESS OF THE WORK, ALL MATERIAL PILES SHALL BE KEPT TRIMMED UP AND MAINTAINED IN A NEAT MANNER. ALL EXCAVATED WASTE MATERIAL SHALL BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF IN ACCORDANCE WITH THE SPECIFICATIONS AS WELL AS ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
- THE CONTRACTOR SHALL PLACE AND COMPACT ALL SUITABLE BACKFILL MATERIAL EXCAVATED DURING HIS CONSTRUCTION OPERATIONS. THE FINAL GRADE OF THE EXCAVATED AREAS SHALL CORRESPOND TO THE PROPOSED AND EXISTING GRADES AS SHOWN ON THE PLANS.
- A CONSTRUCTION PARKING AREA SHALL BE CREATED AND MAINTAINED BY THE CONTRACTOR FOR THE WORKERS' PERSONAL VEHICLES AND THE CONSTRUCTION EQUIPMENT. THE LOCATION SHALL BE APPROVED BY THE OWNER AND BE CONTAINED WITHIN THE EASEMENTS AS SHOWN ON THESE PLANS. A SKETCH PLAN OF THE ANTICIPATED AREA SHALL BE PROVIDED TO THE OWNER AT THE PRE-CONSTRUCTION MEETING. THE CONTRACTOR OR SUBCONTRACTORS SHALL NOT PARK ANY VEHICLES IN THE OWNER'S RIGHT-OF-WAY UNLESS APPROVED BY THE OWNER.
- THE CONTRACTOR SHALL INCLUDE THE COST FOR REMOVING, RELOCATING, MAINTAINING SERVICE, AND RE-ERECTING ALL SIGNS, MAILBOXES, IRRIGATION SYSTEMS, LANDSCAPE ITEMS, FENCE, AND STORM BUILDING IN HIS BID PRICE. ALL ITEMS SHALL BE REPLACED EQUAL TO OR BETTER THAN THEIR PRE-CONSTRUCTION CONDITION. SEE DRAWINGS FOR SPECIFIC REPLACEMENT INSTRUCTIONS FOR CERTAIN ITEMS, IF WARRANTED.
- THE CONTRACTOR SHALL INCLUDE THE COST FOR TEMPORARY BYPASS PUMPING IN THE BID PRICE.
- THE CONTRACTOR SHALL SUPPLY ALL NECESSARY LABOR, MATERIALS, AND EQUIPMENT SUCH AS CALCIUM CHLORIDE, WATER, OR A MOTORIZED DUST-FREE STREET SWEEPING DEVICE, AS APPROVED BY THE ENGINEER, TO MINIMIZE DUST GENERATED ON THE CONSTRUCTION SITE AND TO MAINTAIN ALL ROADWAYS BEING USED FOR ACCESS TO THE CONSTRUCTION SITE. THE CONTRACTOR SHALL SUBMIT HIS PLAN FOR DUST CONTROL TO THE ENGINEER PRIOR TO CONSTRUCTION.
- THE CONTRACTOR MUST SWEEP THE AFFECTED ROADWAYS AT THE END OF EACH CONSTRUCTION DAY TO REMOVE ANY MUD/DIRT/DEBRIS THAT MAY HAVE ACCUMULATED. DURING SWEEPING, WATER TO CONTROL DUST MUST BE USED. FAILURE TO KEEP THE ROADWAYS CLEAN MAY RESULT IN A CONSTRUCTION SHUT DOWN.
- THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES AND SHALL BACKFILL AND/OR GRADE AREAS AS TO ELIMINATE THE PONDING OF WATER.
- NO TOPSOIL IS TO BE REMOVED FROM THE SITE.
- ALL TREES, STUMPS, UNSUITABLE EXCAVATED MATERIAL, AND OTHER CONSTRUCTION DEBRIS SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LOCATION APPROVED BY THE OWNER AND SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE.
- BURYING OF TREES, STUMPS, UNSUITABLE EXCAVATED MATERIAL, AND OTHER CONSTRUCTION DEBRIS IS PROHIBITED.
- DISCHARGING DREDGED AND/OR FILL MATERIAL TO THE STREAM IS PROHIBITED.

RESTORATION NOTES:

- THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY THE CONSTRUCTION TO PRE-CONSTRUCTION CONDITIONS OR BETTER IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THE WORK LIMITS SHALL BE CONFINED TO THE LIMITS SHOWN ON THE PLANS. THE INSTALLATION AND OPERATION OF ALL EQUIPMENT AND ACCESS POINTS REQUIRED SHALL BE PROVIDED AND RESTORED TO PRE-CONSTRUCTION CONDITIONS BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THE WORK LIMITS. AREAS OUTSIDE THE LIMITS AS DEFINED IN THE SPECIFICATIONS SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE.
- ALL GRASS AREAS DISTURBED SHALL BE FINE GRADED AND ROCKS LARGER THAN 3/8" INCH DIAMETER SHALL BE REMOVED. FOUR (4) INCHES OF SCREENED TOPSOIL SHALL BE PLACED AND THE DISTURBED AREAS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH DETAILS AND SPECIFICATION. ALL SEEDED AREAS SHALL BE WATERED AS DIRECTED BY THE OWNER IN ORDER FOR THE GRASS TO FULLY GERMINATE.

MAINTENANCE OF TRAFFIC NOTES:

- BEFORE ANY WORK MAY BEGIN IN THE RIGHT-OF-WAY, A TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE OWNER. REQUIRED TRAFFIC CONTROL DEVICES MUST BE ERECTED AND MAINTAINED BY THE CONTRACTOR AND WILL COMPLY TO THE STATE OF PENNSYLVANIA CONTROL FOR CONSTRUCTION AND MAINTENANCE REGULATIONS. SUPPLEMENTAL DEVICES, APPURTENANCES AND LAW ENFORCEMENT OFFICERS MAY BE REQUIRED, AS DIRECTED BY THE OWNER.
- THE CONTRACTOR SHALL PROVIDE MAINTENANCE OF TRAFFIC AND THE PROTECTION OF THE TRAVELING PUBLIC APPROACHING THE CONSTRUCTION AREA AND WITHIN THE LIMITS OF CONSTRUCTION. DEPENDING ON THE TYPE AND LOCATION OF THE CONSTRUCTION, THE CONTRACTOR SHALL FURNISH, ERECT, PLACE, AND MAINTAIN TRAFFIC CONTROL DEVICES AND SIGNS AND MAINTAIN TRAFFIC DURING HOURS OF CONSTRUCTION AND AT ALL OTHER TIMES IN ACCORDANCE WITH ANY SPECIAL REQUIREMENTS OF THIS CONTRACT AND THE FOLLOWING PENNDOT REQUIREMENTS:
 - A. PA CODE, TITLE 67, CHAPTER 213, TEMPORARY TRAFFIC CONTROL GUIDELINES.
 - B. PA CODE, TITLE 67, CHAPTER 212, OFFICIAL TRAFFIC CONTROL DEVICES.
 - C. PENNDOT PUBLICATION No. 35, APPROVED CONSTRUCTION MATERIALS (BULLETIN 15).
 - D. PENNDOT PUBLICATION No. 408, SPECIFICATIONS.
- ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE AND INSPECTED BY THE OWNER, ENGINEER, OR HIS REPRESENTATIVE BEFORE WORK BEINGS.
- IMMEDIATELY UPON COMPLETION OF THE WORK, THE DEVICES SHALL BE REMOVED BY THE CONTRACTOR AND UNLESS OTHERWISE SPECIFIED, WILL REMAIN HIS PROPERTY.
- THE CONTRACTOR SHALL NOTIFY THE OWNER, POLICE DEPARTMENT, FIRE DEPARTMENT, SCHOOL DISTRICT SUPERVISOR OF BUSING, AMBULATORY SERVICES, OTHER APPLICABLE SAFETY DEPARTMENTS, THE MAIL SERVICE, AND LOCAL TRASH HAULERS IN WRITING 3 DAYS IN ADVANCE OF ANY ROAD CLOSING OR DETOURS IN CONJUNCTION WITH THE CONSTRUCTION OF THIS PROJECT. THE ENGINEER SHALL BE COPIED ON SUCH NOTIFICATION.
- ALL FLAGGERS MUST BE EQUIPPED WITH AND USE NEW REFLECTIVE PADDLES WITH VISIBLE DESIGNATIONS OF "STOP" ON ONE SIDE AND "SLOW" ON THE OTHER.

PENNDOT RC STANDARD REFERENCES (PUB 72M):

- RC-31M - ENDWALLS
- RC-39M - STORM MANHOLES
- RC-45M - INLET TOPS, GRATES, AND FRAMES
- RC-46M - INLET BOXES
- RC-64M - CURBS AND GUTTERS
- RC-67M - CURB RAMPS AND SIDEWALKS
- RC-70M - PERIMETER CONTROL DEVICES
- RC-72M - INLET AND OUTLET PROTECTION
- RC-73M - CHANNEL AND SLOPE PROTECTION
- RC-75M - STRAW BALE BARRIER
- RC-77M - ROCK CONSTRUCTION ENTRANCE

GENERAL SYMBOLOGY NOTES:

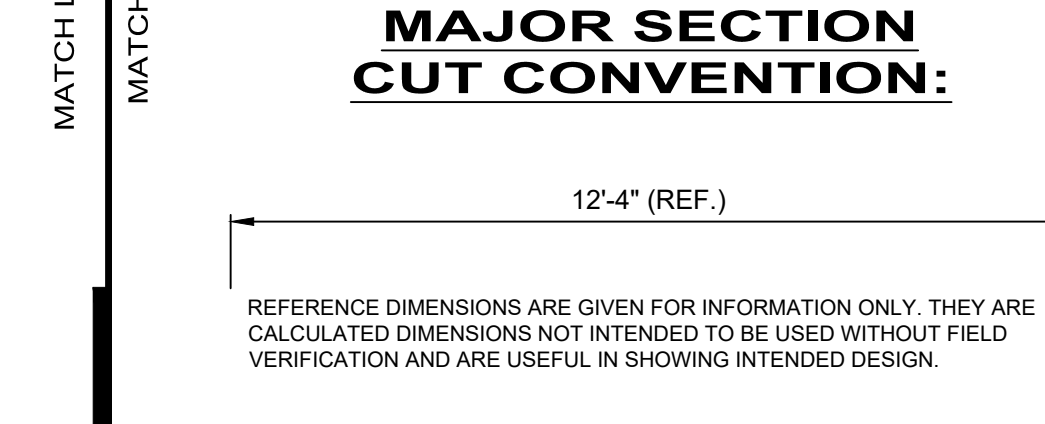
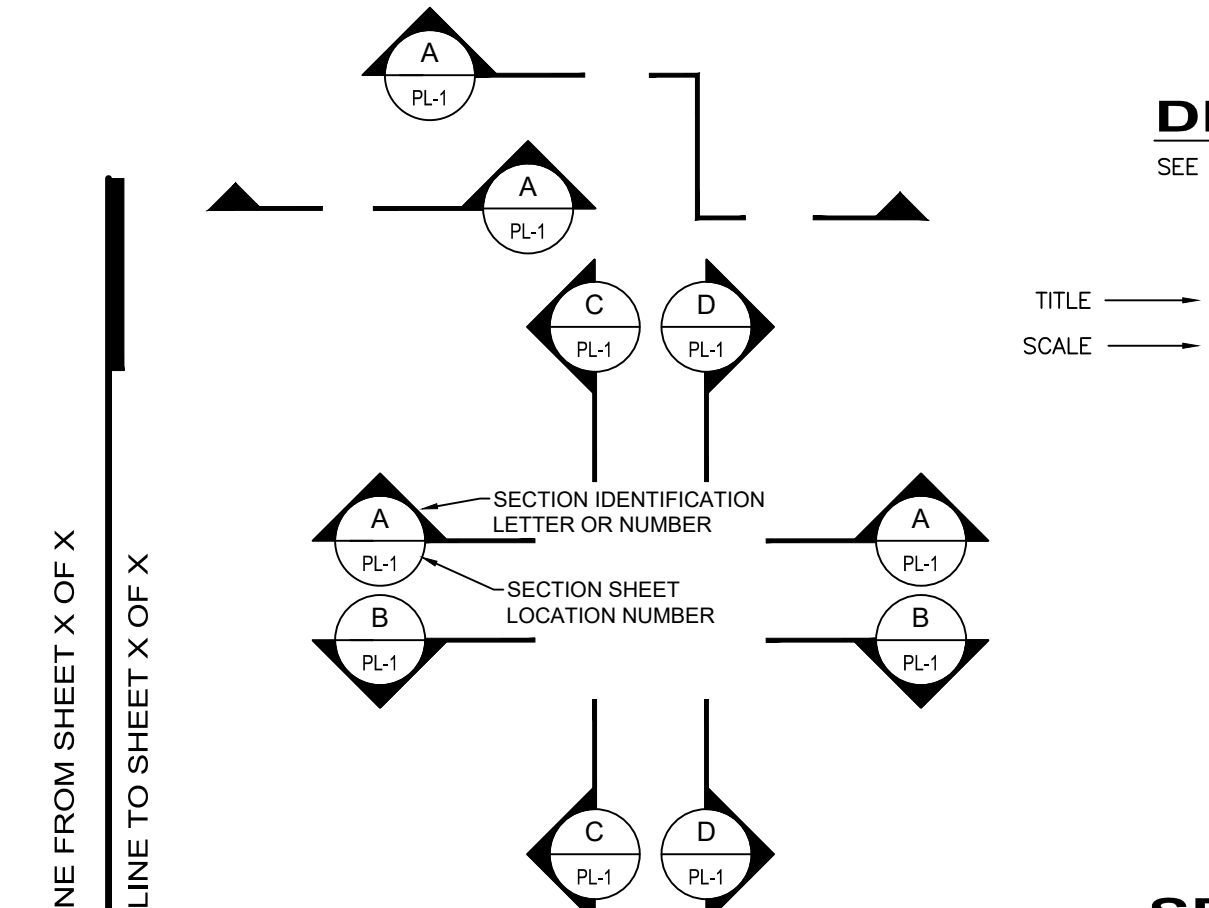
- THIS IS A STANDARD SHEET SHOWING COMMONLY USED SYMBOLOGY. ALL SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT.
- SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE NEW IMPROVEMENTS SO AS TO HIGHLIGHT SPECIFIC TRADE WORK. REFER TO CONTEXT OF EACH SHEET FOR USAGE.
- SYMBOLOGY OR DIAGRAMMATICAL LEGENDS MAY BE SHOWN ON INDIVIDUAL SHEETS FOR SCHEDULES, DIAGRAMS, DETAILS, SCHEMATICS OR EQUIPMENT.

EXISTING LINE SYMBOLOGY:

	EXISTING CHAIN LINK FENCE LINE
	EXISTING FENCE LINE
	EXISTING ELECTRIC FENCE LINE
	EXISTING MAJOR CONTOUR LINE
	EXISTING MINOR CONTOUR LINE
	EXISTING EDGE OF PAVEMENT LINE
	EXISTING EDGE OF GRAVEL DRIVEWAY LINE
	EXISTING GUIDE RAIL LINE
	EXISTING RIGHT-OF-WAY (RW) LINE
	EXISTING PROPERTY (PL) LOT LINE
	EXISTING PROPERTY LINE
	EXISTING EASEMENT LINE
	EXISTING CENTER (C) LINE
	FEMA 100-YR FLOOD PLAIN LINE (APPROXIMATE LOCATION)
	EXISTING EDGE OF WATER LINE
	EXISTING STORM SEWER (STM) LINE (>4')
	EXISTING STORM SEWER LINE (<4')
	EXISTING SANITARY SEWER (SAN) LINE (>4')
	EXISTING SANITARY SEWER LINE (<4')
	EXISTING SANITARY SEWER FORCE MAIN (FM) LINE
	EXISTING WATER (W) LINE
	EXISTING ABANDONED WATER (WA) LINE
	EXISTING GAS LINE
	EXISTING ELECTRIC (ELEC) LINE
	EXISTING UNDERGROUND ELECTRIC (ELEC-UG) LINE
	EXISTING OVERHEAD ELECTRIC (ELEC-OH) LINE
	EXISTING COMMUNICATION (COMM) LINE
	EXISTING UNDERGROUND COMMUNICATION (COMM-UG) LINE
	EXISTING OVERHEAD COMMUNICATION (COMM-OH) LINE
	EXISTING CABLE TELEVISION (CATV) LINE
	EXISTING UNDERGROUND CABLE TELEVISION (CATV-UG) LINE
	EXISTING OVERHEAD CABLE TELEVISION (CATV-OH) LINE
	EXISTING UTILITY LINE
	EXISTING UNDERGROUND UTILITY LINE
	EXISTING OVERHEAD UTILITY LINE
	EXISTING FIBER OPTIC COMMUNICATION (FOC) LINE
	EXISTING FUEL LINE
	EXISTING BRUSH LINE

EXISTING PLAN SYMBOLOGY:

	EXISTING CONTROL MARK		CALCULATED INFORMATION
	EXISTING UTILITY POLE		RECORD INFORMATION
	EXISTING UTILITY POLE GUY WIRE		DEED INFORMATION
	EXISTING SANITARY SEWER MANHOLE		DIRECTION OF FLOW
	EXISTING STORM SEWER INLET		EXISTING DECIDUOUS TREE
	EXISTING WATER VALVE		EXISTING EVERGREEN TREE
	EXISTING MAIL BOX		EXISTING BUSH/SHRUB
	IRON PIN FOUND (AS NOTED)		EXISTING TREE STUMP
	PIPE FOUND (AS NOTED)		
	30\"/>		

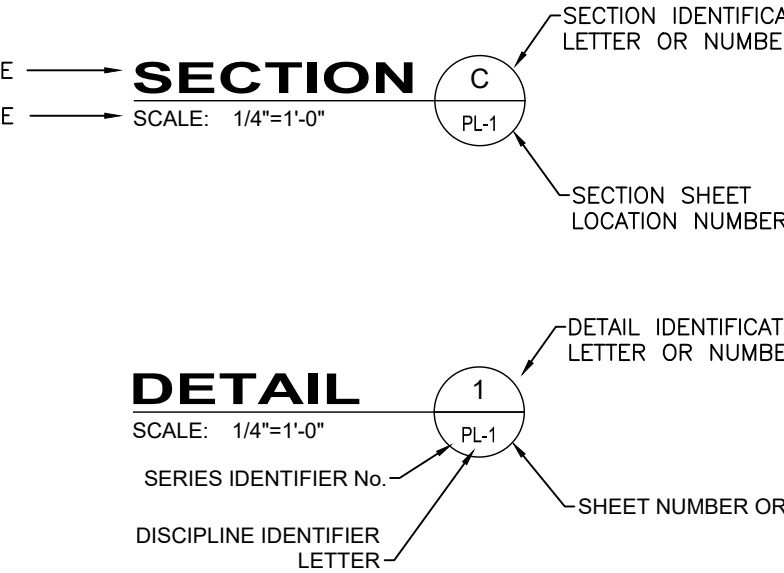


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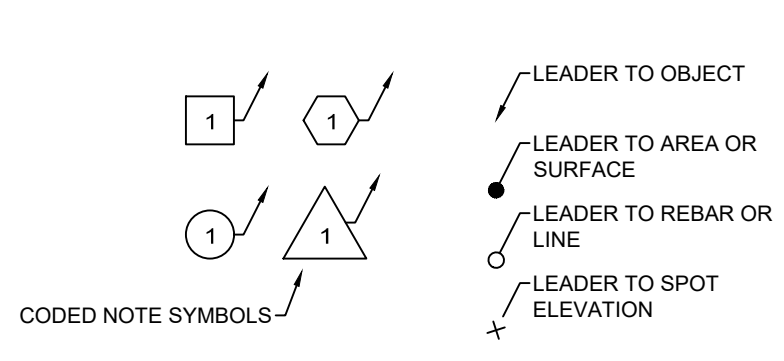
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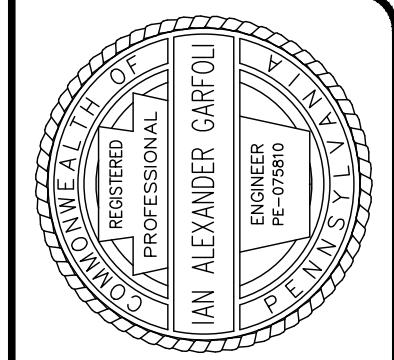
SEE CORRESPONDING NOTE(S) ON PAGE



SECTIONS & DETAILS CONVENTION:



NOTE DESIGNATION:

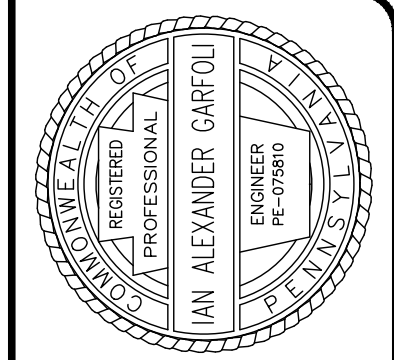
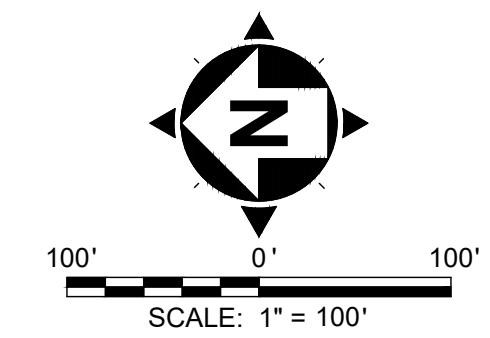


DATE	NO	REVISION				
BID SET	ISSUED FOR	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
		1/20/2020	AS SHOWN	JES	JES / SAS	IAG

CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERITAGE PROGRAM, PENNSYLVANIA

GENERAL NOTES & LEGEND

PROJECT NO.	180302
DISCIPLINE	CIVIL
SHEET NAME	GN
SHEET	2
OF	23

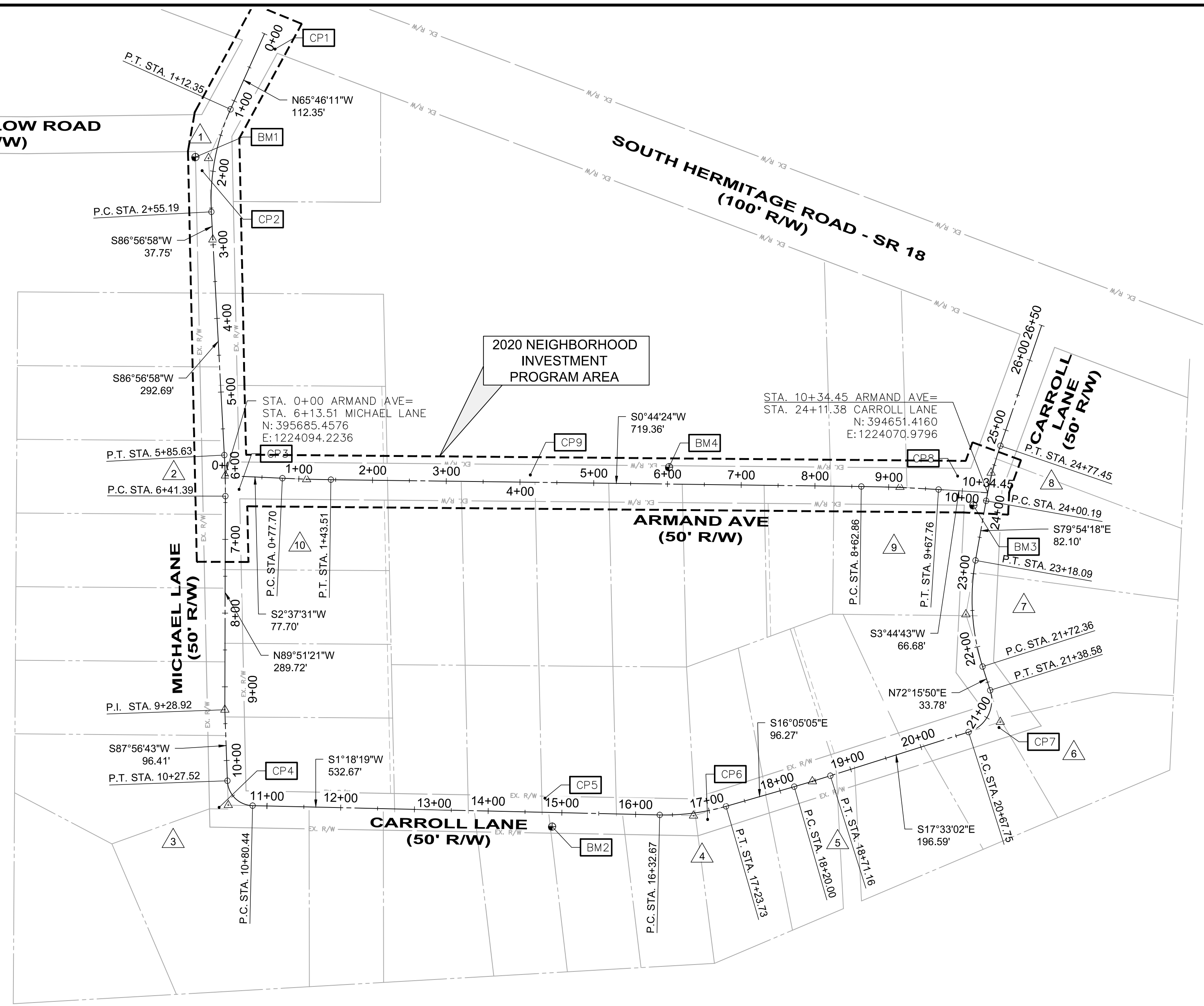


DATE	REVISION	NO	BID SET	ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
			1/20/2020	AS SHOWN			JES	JES / SAS	IAG

CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
SURVEY CONTROL PLAN

PROJECT NO.	180302
DISCIPLINE	CIVIL
SHEET NAME	SVC
SHEET	3
OF	23

<p>1</p> <p>CURVE DATA: $\Delta=27^{\circ}16'51''$ $R=300.00'$ $T=72.80'$ $L=142.84'$ $CHB=N79^{\circ}24'36''W$ $CHD=141.50'$</p>	<p>2</p> <p>CURVE DATA: $\Delta=3^{\circ}11'41''$ $R=1000.00'$ $T=27.89'$ $L=55.76'$ $CHB=S88^{\circ}32'49''W$ $CHD=55.75'$</p>	<p>3</p> <p>CURVE DATA: $\Delta=86^{\circ}38'23''$ $R=35.00'$ $T=33.01'$ $L=52.93'$ $CHB=S44^{\circ}37'31''W$ $CHD=48.02'$</p>
<p>4</p> <p>CURVE DATA: $\Delta=1^{\circ}23'25''$ $R=300.00'$ $T=45.88'$ $L=91.06'$ $CHB=S7^{\circ}23'23''E$ $CHD=90.71'$</p>	<p>5</p> <p>CURVE DATA: $\Delta=1^{\circ}27'56''$ $R=2000.00'$ $T=25.58'$ $L=51.16'$ $CHB=S16^{\circ}49'04''E$ $CHD=51.16'$</p>	<p>6</p> <p>CURVE DATA: $\Delta=90^{\circ}11'08''$ $R=45.00'$ $T=45.15'$ $L=70.83'$ $CHB=S62^{\circ}38'36''E$ $CHD=63.74'$</p>
<p>7</p> <p>CURVE DATA: $\Delta=27^{\circ}49'52''$ $R=300.00'$ $T=74.33'$ $L=145.72'$ $CHB=N86^{\circ}10'46''E$ $CHD=144.29'$</p>	<p>8</p> <p>CURVE DATA: $\Delta=8^{\circ}51'10''$ $R=500.00'$ $T=38.70'$ $L=77.25'$ $CHB=S75^{\circ}28'43''E$ $CHD=77.18'$</p>	<p>9</p> <p>CURVE DATA: $\Delta=3^{\circ}00'19''$ $R=2000.00'$ $T=52.46'$ $L=104.90'$ $CHB=S2^{\circ}14'34''W$ $CHD=104.89'$</p>
<p>10</p> <p>CURVE DATA: $\Delta=1^{\circ}53'07''$ $R=2000.00'$ $T=32.91'$ $L=65.81'$ $CHB=S1^{\circ}40'58''W$ $CHD=65.80'$</p>		

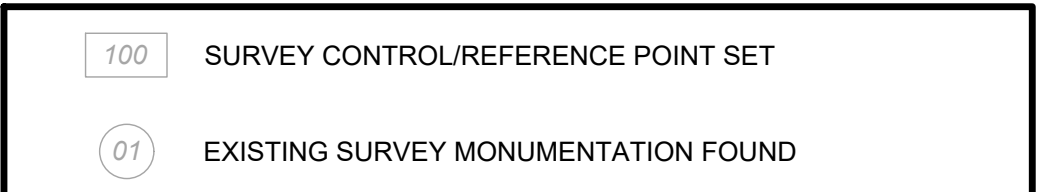


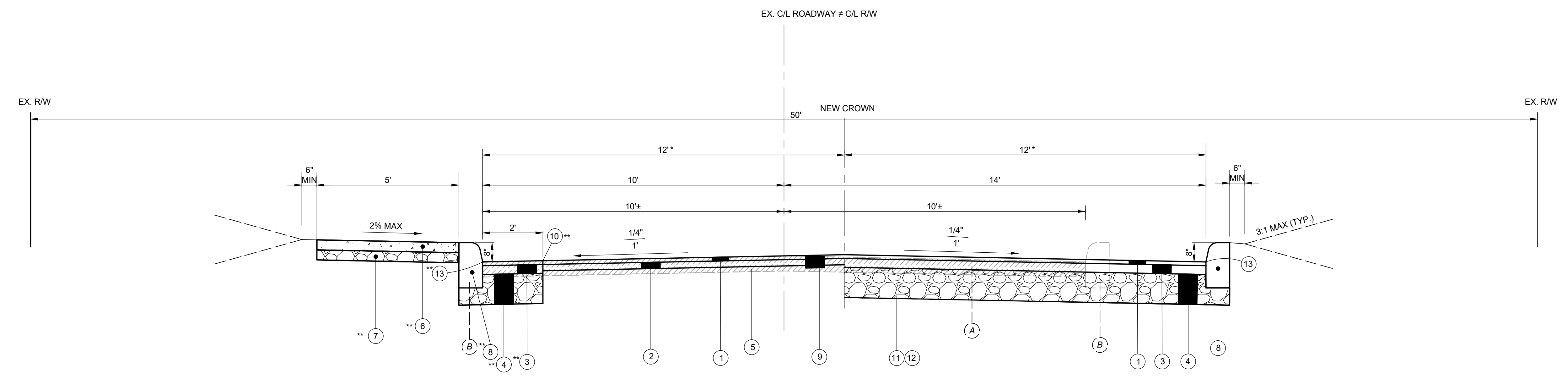
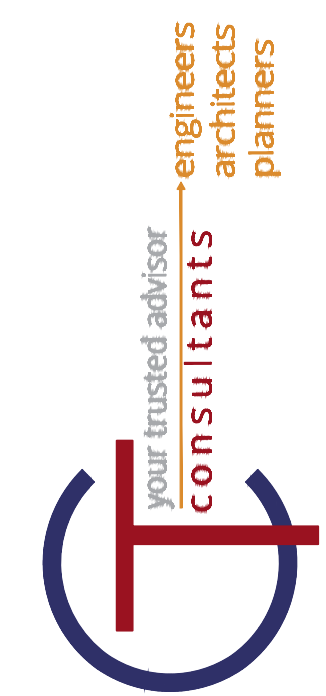
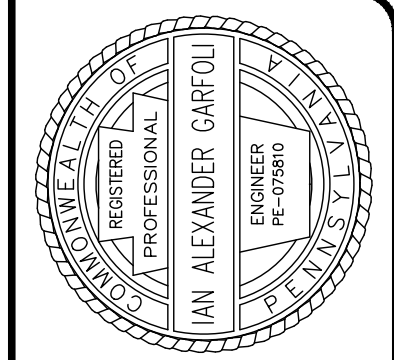
PROJECT CONTROL & BENCHMARKS						
POINT #	NORTHING	EASTING	STATION	OFFSET	ELEV	DESCRIPTION
BM1	395725.8350	1224526.2640	MICHAEL, STA. 1+85.42	26.51' LT	1118.19'	Benchmark
BM2	395242.0320	1223618.0960	CARROLL, STA. 14+87.19	19.19' RT	1086.86'	Benchmark
BM3	394670.8090	1224053.9750	CARROLL, STA. 23+91.24	15.99' LT	1103.14'	Benchmark
BM4	395083.4790	1224105.5720	ARMAND, STA. 6+01.84	22.76' LT	1112.51'	Benchmark
CP1	395617.8110	1224672.7850	MICHAEL, STA. 0+13.14	21.50' LT	1130.50'	Control Point
CP2	395716.7190	1224507.8480	MICHAEL, STA. 2+01.15	14.69' RT	1115.58'	Control Point
CP3	395666.5290	1224075.4970	MICHAEL, STA. 6+32.36	18.63' LT	1097.84'	Control Point
CP4	395693.6480	1223644.1390	MICHAEL, STA. 10+50.07	24.45' RT	1071.48'	Control Point
CP5	395251.7110	1223656.6550	CARROLL, STA. 14+76.63	19.14' LT	1087.97'	Control Point
CP6	395031.1270	1223627.8110	CARROLL, STA. 16+95.86	11.56' RT	1089.89'	Control Point
CP7	394635.9990	1223752.4960	CARROLL, STA. 20+98.06	21.05' RT	1088.89'	Control Point
CP8	394692.1350	1224093.6310	ARMAND, STA. 9+92.34	19.94' LT	1103.88'	Control Point
CP9	395271.5960	1224095.1610	ARMAND, STA. 4+13.87	9.92' LT	1108.64'	Control Point

REFERENCE TIES TO THE BENCHMARKS:	
BM1	BEING A CHISELED "X" ON A NORTHERLY BOLT OF A HYDRANT LOCATED AT THE NORTHWESTERLY SIDE OF THE INTERSECTION OF MICHAEL LANE & SUGAR HOLLOW ROAD, ALSO KNOWN AS THE YARD OF STREET ADDRESS 2915 MICHAEL LANE. SAID HYDRANT BEING APPROXIMATELY 20 FEET NORTHEASTERLY FROM A 25MPH SIGN, AND 22 FEET SOUTHWESTERLY FROM A STOP SIGN AT SAID INTERSECTION. ELEV.=1118.19'
BM2	BEING A CHISELED "X" ON A NORTHERLY BOLT OF A HYDRANT LOCATED ON THE WESTERLY SIDE OF CARROLL LANE. SAID HYDRANT BEING APPROXIMATELY 435' SOUTHERLY FROM THE INTERSECTION OF SAID CARROLL LANE & MICHAEL LANE, & BEING 9 FEET WESTERLY FROM THE WESTERLY EDGE OF ASPHALT OF SAID CARROLL LANE, & ALSO BEING 4 FEET NORTHERLY FROM POLE #156-177. ELEV.=1086.86'
BM3	BEING A CHISELED "X" ON THE NORTHEASTERLY CORNER OF A STORM CATCH LOCATED ON THE SOUTHWESTERLY SIDE OF THE INTERSECTION OF ARMAND AVENUE AND CARROLL LANE, & BEING APPROXIMATELY 8 FEET SOUTHERLY FROM THE "ARMAND AVE" STREET SIGN, & BEING 2.5 FEET SOUTHEASTERLY FROM THE SOUTHEASTERLY EDGE OF ASPHALT OF SAID INTERSECTION. ELEV.=1103.14'
BM4	BEING A CHISELED "X" ON A NORTHERLY BOLT OF A HYDRANT LOCATED ON THE EASTERLY SIDE OF ARMAND AVENUE, SAID HYDRANT BEING APPROXIMATELY 440 FEET NORTHERLY FROM THE INTERSECTION OF SAID ARMAND AVENUE AND CARROLL LANE, & BEING 15 FEET EASTERLY FROM THE EAST EDGE OF ASPHALT OF SAID ARMAND AVENUE, & BEING 55 FEET SOUTHERLY FROM THE MAILBOX OF STREET ADDRESS 1070 ARMAND AVENUE. ELEV.=1112.51'

EXISTING LINETYPES	
SUBDIVISION LINE	---
RIGHT-OF-WAY CL	---
BOUNDARY LINE	---
PROPERTY LINE	---
RIGHT-OF-WAY LINE	---

- EXISTING CONDITIONS NOTES:**
- EXISTING STRUCTURES, GRADES, PIPING, ETC. ARE SHOWN IN APPROXIMATE LOCATION ON THE PLANS. INFORMATION SHOWN IS NOT GUARANTEED TO BE CORRECT AND COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL DATA SHOWN ON THESE PLANS PRIOR TO CONSTRUCTION.
 - ALL KNOWN ABOVE AND BELOW GROUND UTILITIES HAVE BEEN NOTED ON THE DRAWINGS. THESE UTILITIES BEEN APPROXIMATELY LOCATED BY FIELD SURVEYS OR OBTAINED VIA UTILITY COMPANY RECORD DRAWINGS. NO GUARANTEE IS MADE RELATIVE TO THE COMPLETENESS OR ACCURACY. THE CONTRACTOR ACCEPTS FULL RESPONSIBILITY FOR ANY UTILITIES DAMAGED DURING THE PROJECT CONSTRUCTION WHETHER SHOWN ON THE PLANS OR NOT. ANY SUCH LAND RESTRICTIONS, IF ENCOUNTERED, WILL BE THE CONTRACTOR'S RESPONSIBILITY TO RESOLVE.
 - THIS PLAN HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY BE SUBJECT TO EASEMENTS AND OTHER RESTRICTIONS. EITHER RECORDED OR UNRECORDED. THE SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS, RECORD ENCUMBRANCES, RESTRICTIVE COVENANTS OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
 - ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.
 - THE PROJECT CONTROL COORDINATE SYSTEM IS BASED UPON THE FOLLOWING:
 - HORIZONTAL DATUM - PROJECT CONTROL COORDINATES FOR THIS PROJECT HAVE BEEN ESTABLISHED BY GPS/RTK OBSERVATIONS UTILIZING THE PENNSYLVANIA CO-ORDINATE SYSTEM OF 1983 (PENNSYLVANIA NORTH). PENNSYLVANIA STATE PLANE GRID COORDINATE VALUES ARE EXPRESSED IN UNITS OF U.S. SURVEY FEET "ON THE GRID" AND HAVE NOT BEEN ADJUSTED FOR USE "ON THE GROUND."
 - VERTICAL DATUM - NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
 - THE SURVEY AND STREET ALIGNMENTS SHOWN HEREON WERE OBSERVED IN THE FIELD FOR CONSTRUCTION PURPOSES ONLY AND MAY NOT BE SUITABLE FOR PROPERTY LINE SURVEYS OR OTHER PURPOSES.
 - THE STREET CENTERLINES SHOWN AND REFERENCED HEREON AND WITHIN THIS PLAN SET ARE BASED ON CURRENT ROADWAY ALIGNMENTS AND DO NOT REPRESENT THE CENTER LINES OF THE RIGHT OF WAY.
 - THE BENCHMARK ELEVATIONS SHOWN IN THE PROJECT CONTROL TABLE ARE AT THE TOP OF THE RED CAP OF THE IRON PIN SET.
 - IRON PINS SET ARE 5/8" IRON PINS SET WITH A RED CAP INSCRIBED WITH "CT REF"

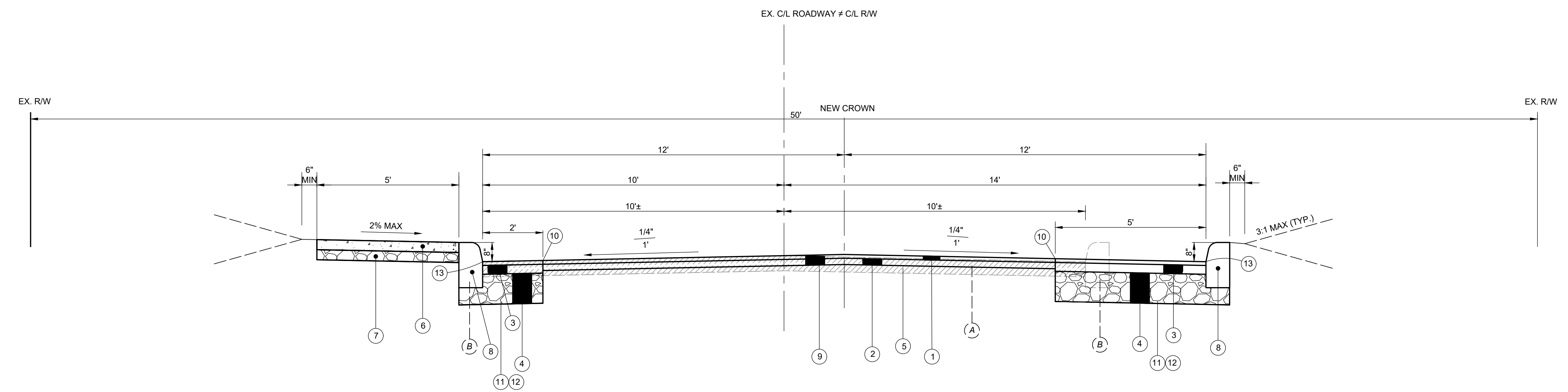




** CURB/SIDEWALK REPLACEMENT ON THE LEFT SIDE ONLY OCCURS FROM STA. 0+20 THROUGH 0+35
 FROM STA. 0+06 TO STA. 0+20, STANDARD PAVEMENT RESURFACING WITH NO CURB/SIDEWALK REPLACEMENT.

TYPICAL SECTION - FULL DEPTH REPLACEMENT/PAVEMENT RESURFACING
 MICHAEL LANE, STA. 0+06 TO STA. 0+35

* VARIES THROUGH INTERSECTION. SEE INTERSECTION DETAIL ON SHEET 22.



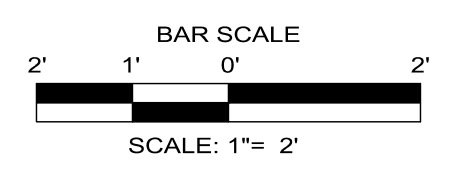
TYPICAL SECTION - FULL DEPTH WIDENING
 MICHAEL LANE, STA. 0+35 TO STA. 1+79

EXISTING LEGEND

- (A) EXISTING ASPHALT PAVEMENT, VARIES FROM 4" TO 8"
- (B) EXISTING CURB
- EXISTING ASPHALT PAVEMENT

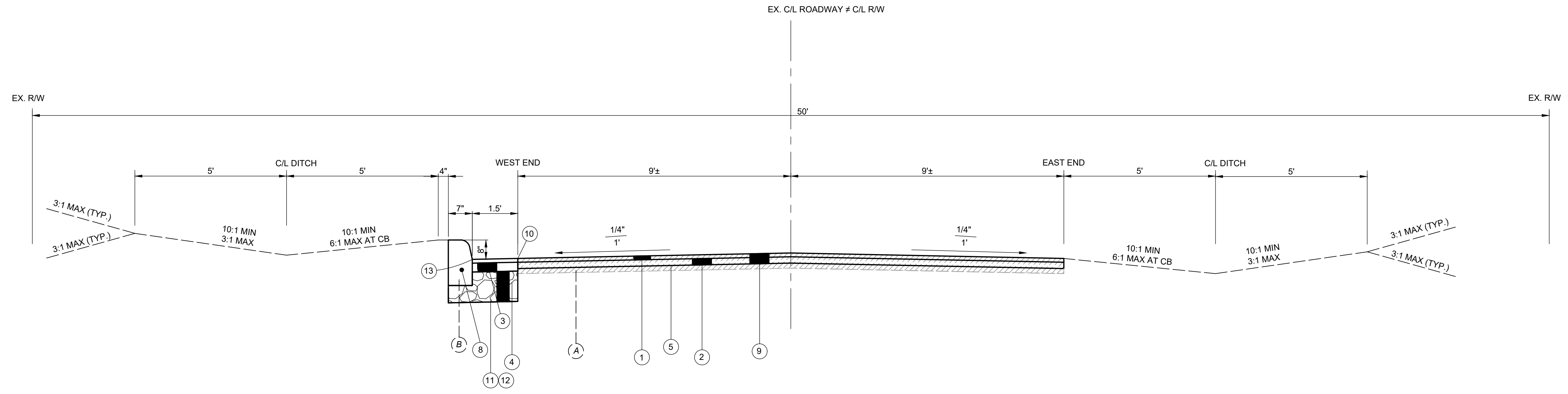
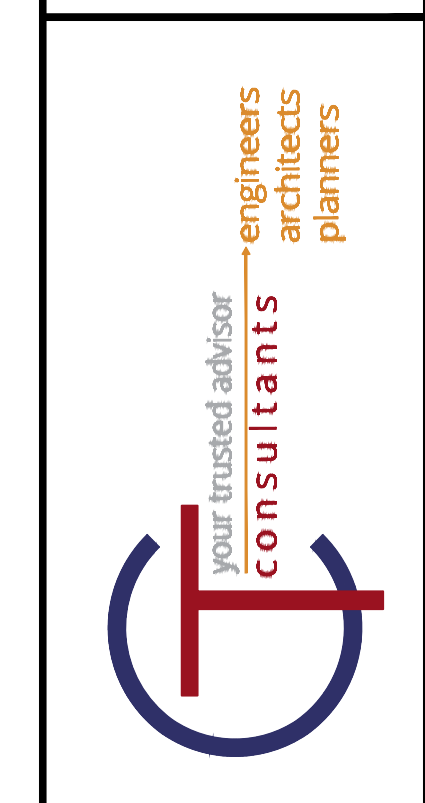
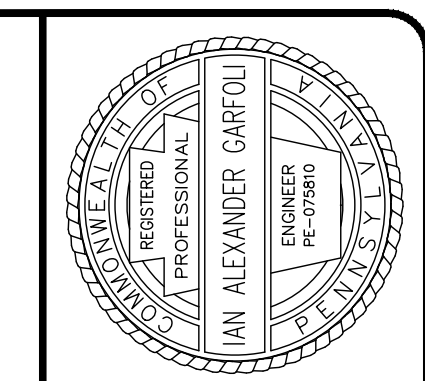
PROPOSED LEGEND

- 1 SUPERPAVE ASPHALT MIXTURE DESIGN, HMA WEARING COURSE, PG64-22, 0.3 TO <3 MILLION ESALS, 9.5 MM MIX, SRL-H, 1.5" DEPTH
- 2 SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BINDER COURSE, PG64-22, 0.3 TO <3 MILLION ESALS, 19.00 MM MIX, 2.5" DEPTH
- 3 SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BINDER COURSE, PG64-22, 0.3 TO <3 MILLION ESALS, 19.00 MM MIX, 3.5" DEPTH
- 4 12" - PENNDOT SECTION 350, NO. 2A LIMESTONE SUBBASE MATERIAL COMPACTED 100% STANDARD PROCTOR
- 5 BITUMINOUS TACK COAT
- 6 4" CONCRETE WALK
- 7 4" DEPTH, NO. 2A LIMESTONE COARSE AGGREGATE
- 8 CONCRETE CURB, SEE DETAIL FOR REVEAL
- 9 MILLING OF BITUMINOUS PAVEMENT SURFACE, 4" DEPTH, MILLED MATERIAL RETAINED BY CITY
- 10 FULL-DEPTH SAWCUT
- 11 GEOTEXTILE FABRIC, CLASS IV, TYPE A
- 12 SUBGRADE SHALL BE COMPACTED AND PREPARED ACCORDING TO PENNDOT SECTIONS 206 & 210
- 13 RUBBERIZED ASPHALT SEALANT

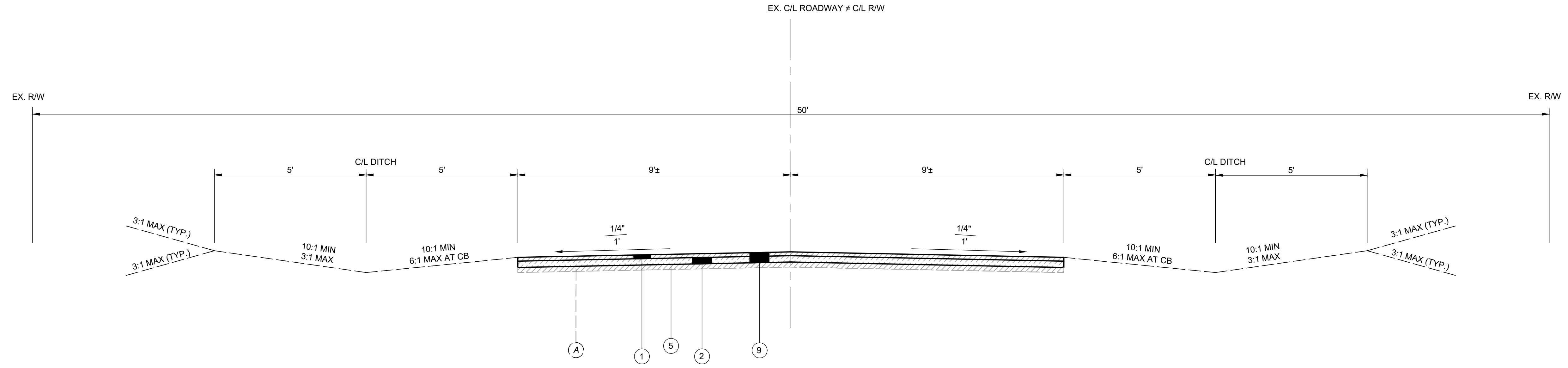


CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
ROADWAY TYPICAL SECTIONS

PROJECT NO.	180302
DISCIPLINE	CIVIL
SHEET NAME	TYP-1
SHEET	4
OF	23



TYPICAL SECTION - RESURFACING
ARMAND AVENUE, STA. 0+00 TO STA. 10+00



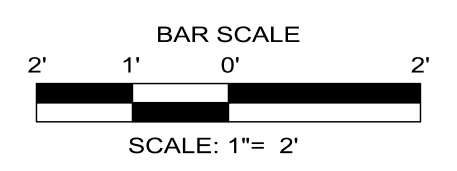
TYPICAL SECTION - RESURFACING
MICHAEL LANE, STA. 1+79 TO STA. 6+50

EXISTING LEGEND

- (A) EXISTING ASPHALT PAVEMENT, VARIES FROM 4" TO 8"
- (B) EXISTING CURB
- EXISTING ASPHALT PAVEMENT

PROPOSED LEGEND

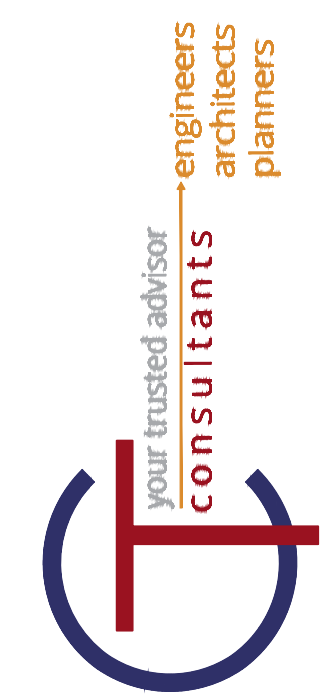
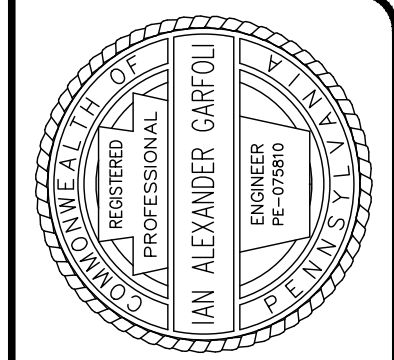
- (1) SUPERPAVE ASPHALT MIXTURE DESIGN, HMA WEARING COURSE, PG64-22, 0.3 TO <3 MILLION ESALS, 9.5 MM MIX, SRL-H, 1.5" DEPTH
- (2) SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BINDER COURSE, PG64-22, 0.3 TO <3 MILLION ESALS, 19.00 MM MIX, 2.5" DEPTH
- (3) SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BINDER COURSE, PG64-22, 0.3 TO <3 MILLION ESALS, 19.00 MM MIX, 3.5" DEPTH
- (4) 12" - PENNDOT SECTION 350, NO. 2A LIMESTONE SUBBASE MATERIAL COMPACTED 100% STANDARD PROCTOR
- (5) BITUMINOUS TACK COAT
- (6) 4" CONCRETE WALK
- (7) 4" DEPTH, NO. 2A LIMESTONE COARSE AGGREGATE
- (8) CONCRETE CURB, SEE DETAIL FOR REVEAL
- (9) MILLING OF BITUMINOUS PAVEMENT SURFACE, 3" DEPTH, MILLED MATERIAL RETAINED BY CITY
- (10) FULL-DEPTH SAWCUT
- (11) GEOTEXTILE FABRIC, CLASS IV, TYPE A
- (12) SUBGRADE SHALL BE COMPACTED AND PREPARED ACCORDING TO PENNDOT SECTIONS 206 & 210
- (13) RUBBERIZED ASPHALT SEALANT



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ISSUED FOR: **BID SET**
 ISSUE DATE: **1/20/2020**
 SCALE: **AS SHOWN**
 DESIGNED BY: **JES**
 DRAWN BY: **JES / SAS**
 CHECKED BY: **IAG**

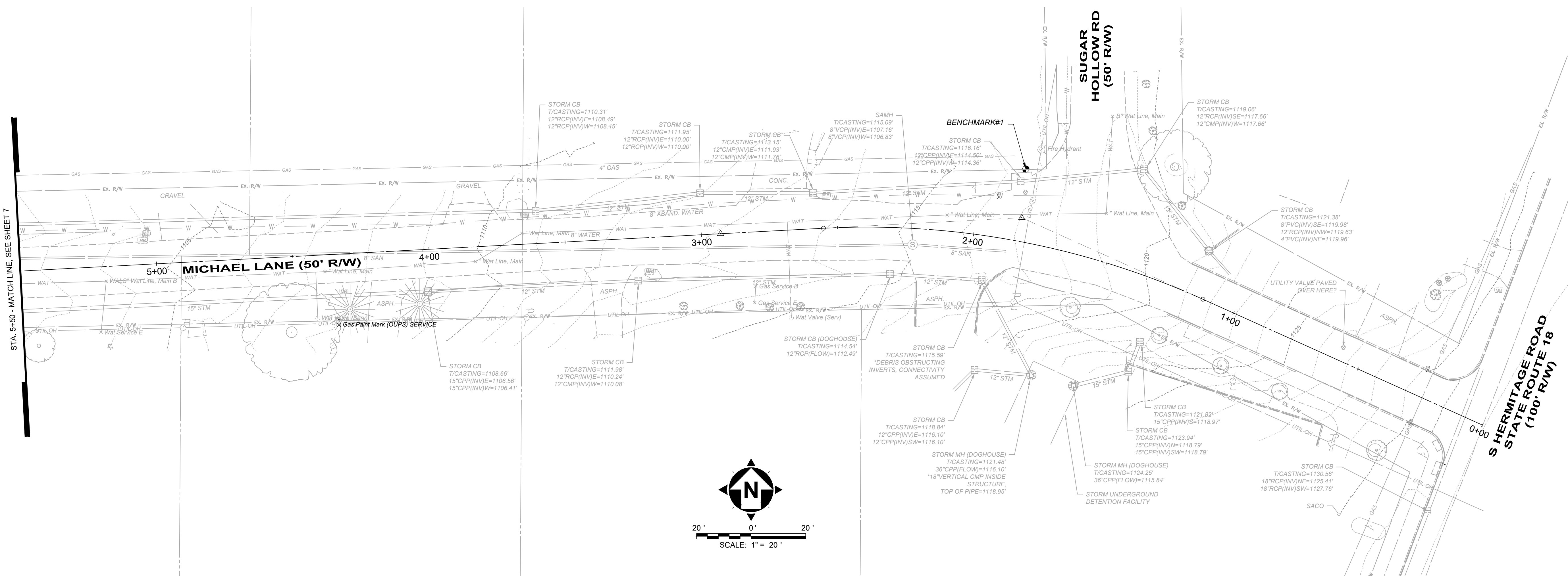
PROJECT NO. 180302	
DISCIPLINE CIVIL	
SHEET NAME TYP-2	
SHEET 5	OF 23



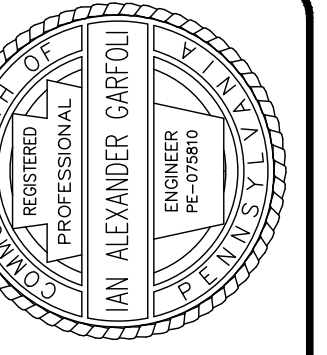
ISSUED FOR:	BID SET	NO	REVISION	DATE
ISSUE DATE:	1/20/2020			
SCALE:	AS SHOWN			
DESIGNED BY:	JES			
DRAWN BY:	JES / SAS			
CHECKED BY:	IAG			

CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
EXISTING CONDITIONS PLAN
MICHAEL LANE
STA. 0+00 TO STA. 5+50

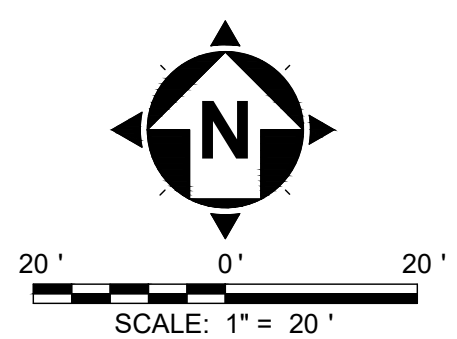
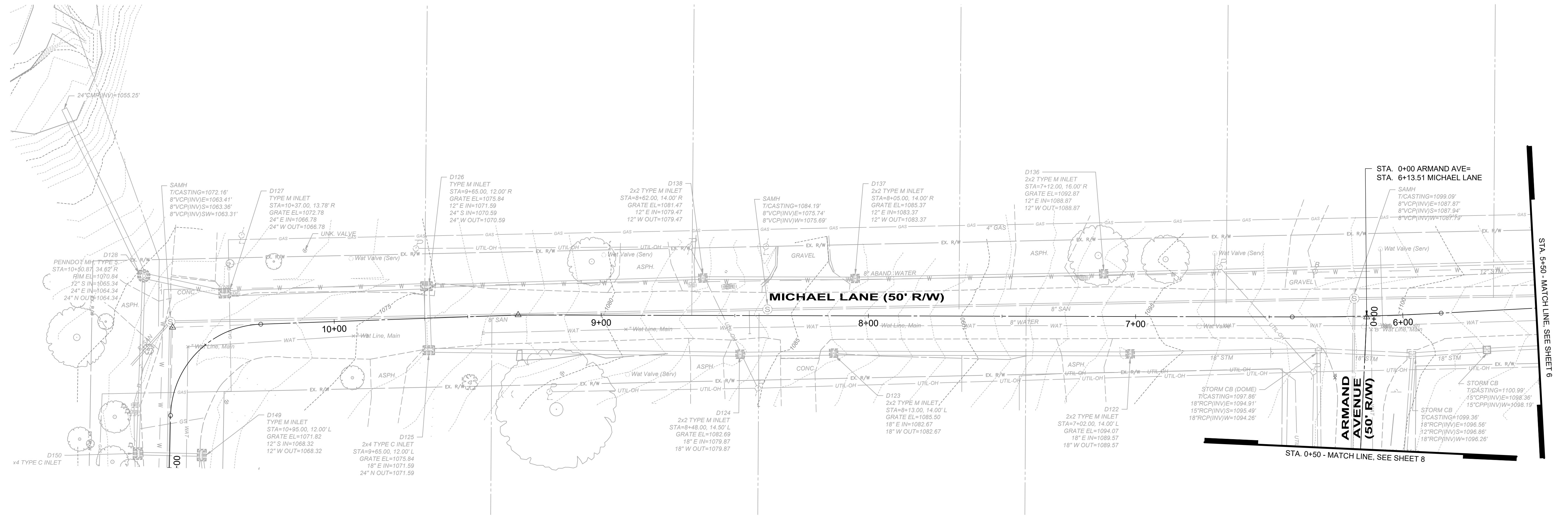
PROJECT NO.	180302
DISCIPLINE	CIVIL
SHEET NAME	EC-1
SHEET	6
OF	23



STA. 5+50 - MATCH LINE, SEE SHEET 7

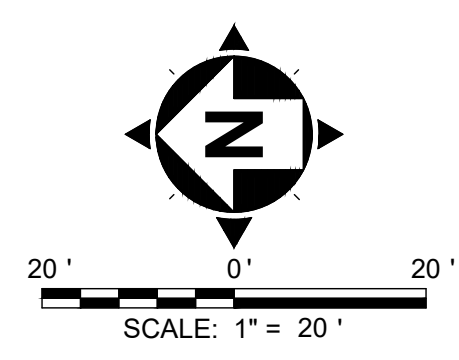
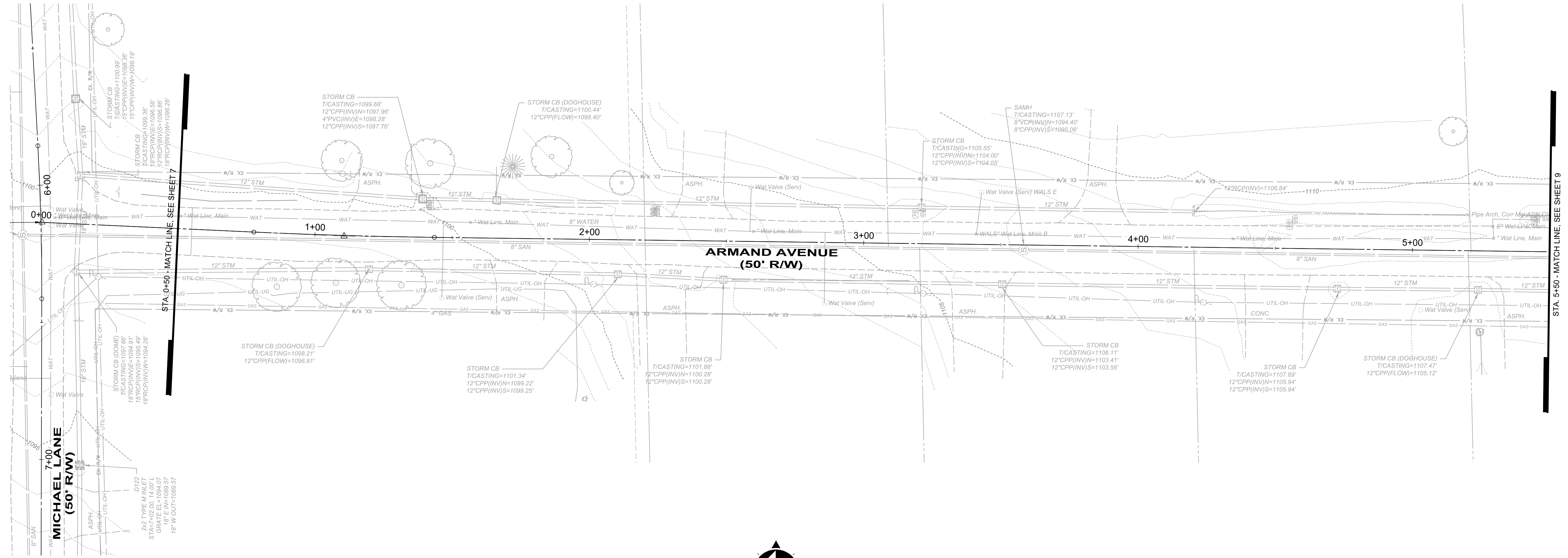
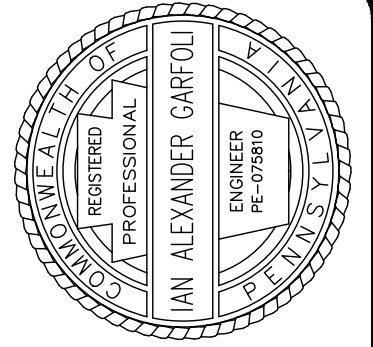


NO.	REVISION	DATE



CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
EXISTING CONDITIONS PLAN
MICHAEL/CARROLL LANE
STA. 5+50 TO STA. 11+00

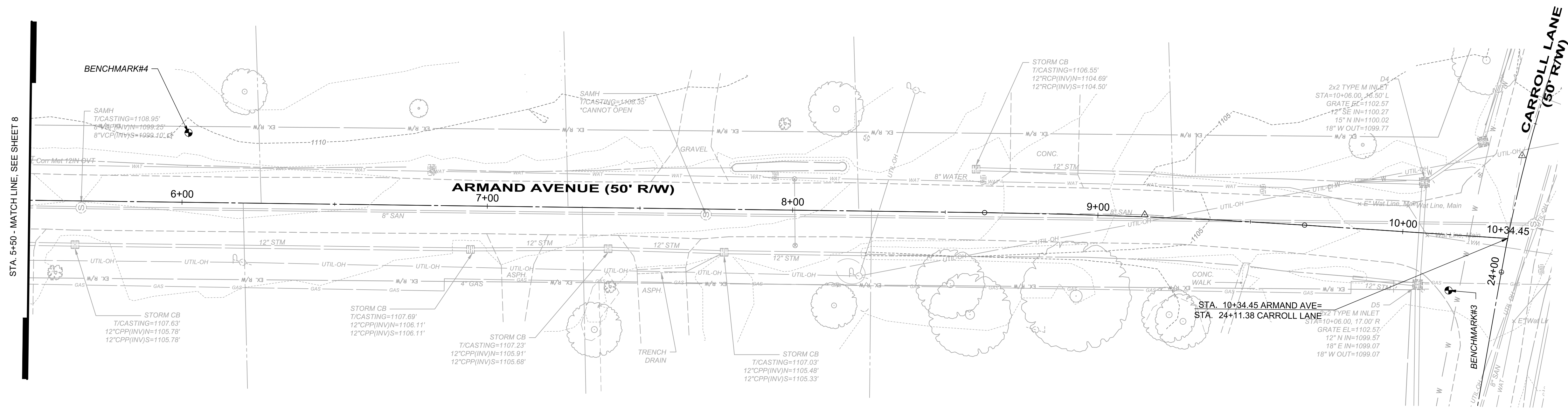
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DISCIPLINE	CIVIL
SHEET NAME	EC-2
SHEET	7
OF	23



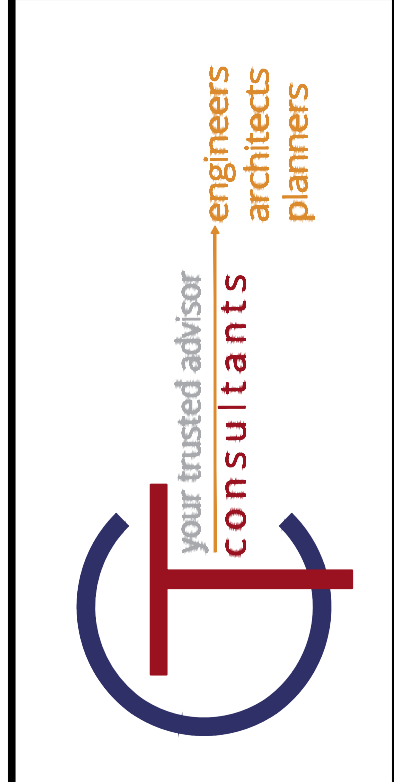
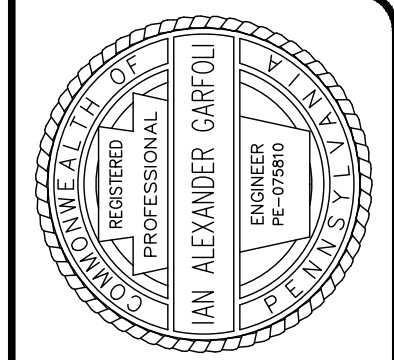
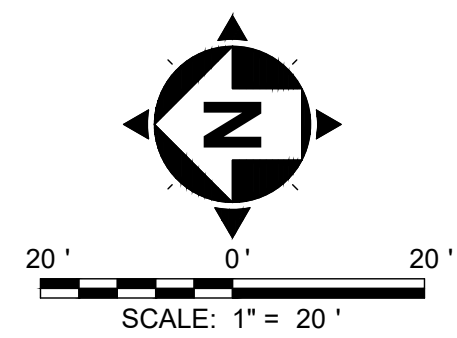
NO.	REVISION	DATE

CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
EXISTING CONDITIONS PLAN
ARMAND AVENUE
STA. 0+00 TO STA. 5+50

PROJECT NO.	180302
DISCIPLINE	CIVIL
SHEET NAME	EC-3
SHEET	8
OF	23



STA. 5+50 - MATCH LINE, SEE SHEET 8



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CHECKED BY:	IAG			

CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
EXISTING CONDITIONS PLAN
ARMAND AVENUE
STA. 5+50 TO STA. 10+34.45

PROJECT NO.	180302
DISCIPLINE	CIVIL
SHEET NAME	EC-4
SHEET	9
OF	23

**DEMOLITION GENERAL NOTES
(TYP. SHEETS 10-13):**

1. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL LABOR, EQUIPMENT & SERVICES TO PROPERLY EXECUTE THE DEMOLITION & REMOVAL WORK INDICATED ON THESE CONSTRUCTION DOCUMENTS.
2. THE CONTRACTOR SHALL VISIT THE SITE & INSPECT THE EXISTING STRUCTURES & VERIFY THAT ALL ITEMS INDICATED TO BE EXISTING & SO MARKED ON THE DRAWINGS ARE IN PLACE & CORRECT.
3. PROVISIONS SHALL BE MADE TO ALLEVIATE THE SPREAD OF DEBRIS, DIRT & DUST TO THE ROADWAY & ADJACENT PROPERTIES. THE PROPERTY SHALL BE KEPT CLEAN AS POSSIBLE AT ALL TIMES.
4. ALL DEBRIS & MATERIALS FROM THE DEMOLITION WORK SHALL BE DISPOSED OFF THE SITE IN A LEGAL MANNER. NO RECLAIMED MATERIALS SHALL BE RE-USED EXCEPT AS SPECIFICALLY APPROVED BY ENGINEER OR OWNER.
5. WHERE DEMOLITION & CUTTING WORK HAS OCCURRED OR WHERE EXISTING SURFACES, MATERIALS OR OTHER ITEMS HAVE BEEN DAMAGED OR DISTURBED AS A RESULT OF THIS CONTRACT, THE SAID SURFACES & AREAS SHALL BE CAREFULLY RESTORED AS REQUIRED TO BE CONTIGUOUS TO EXISTING SURROUNDING SURFACES.
6. COORDINATE ALL DEMOLITION WITH NEW PLAN SO AS NOT TO CREATE CONFLICTS OF NEW INSTALLATION.
7. CONTRACTOR SHALL COORDINATE WORK SO THAT THERE IS NO INTERRUPTION IN SERVICE. THIS MAY REQUIRE BYPASS PUMPING, WHICH IS INCIDENTAL TO THE BID ITEM.
8. CONTRACTOR SHALL REMOVE AND RESET MAILBOXES AS NECESSARY DURING CONSTRUCTION. THIS WORK IS INCIDENTAL TO THE PIPE REMOVAL BID ITEM.
9. CONTRACTOR TO MAINTAIN TRAFFIC AND LIMIT CLOSURES OF ROADS AND DRIVEWAYS TO THE EXTENT PRACTICAL DURING DEMOLITION WORK.

DEMOLITION CODED NOTES:

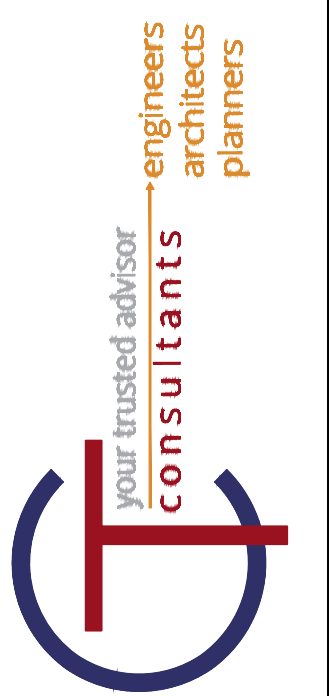
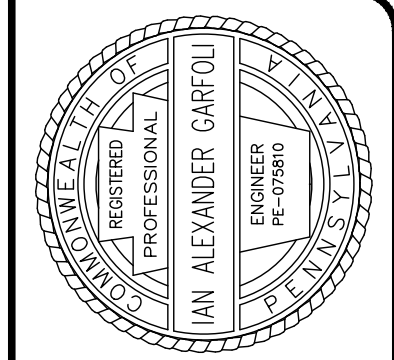
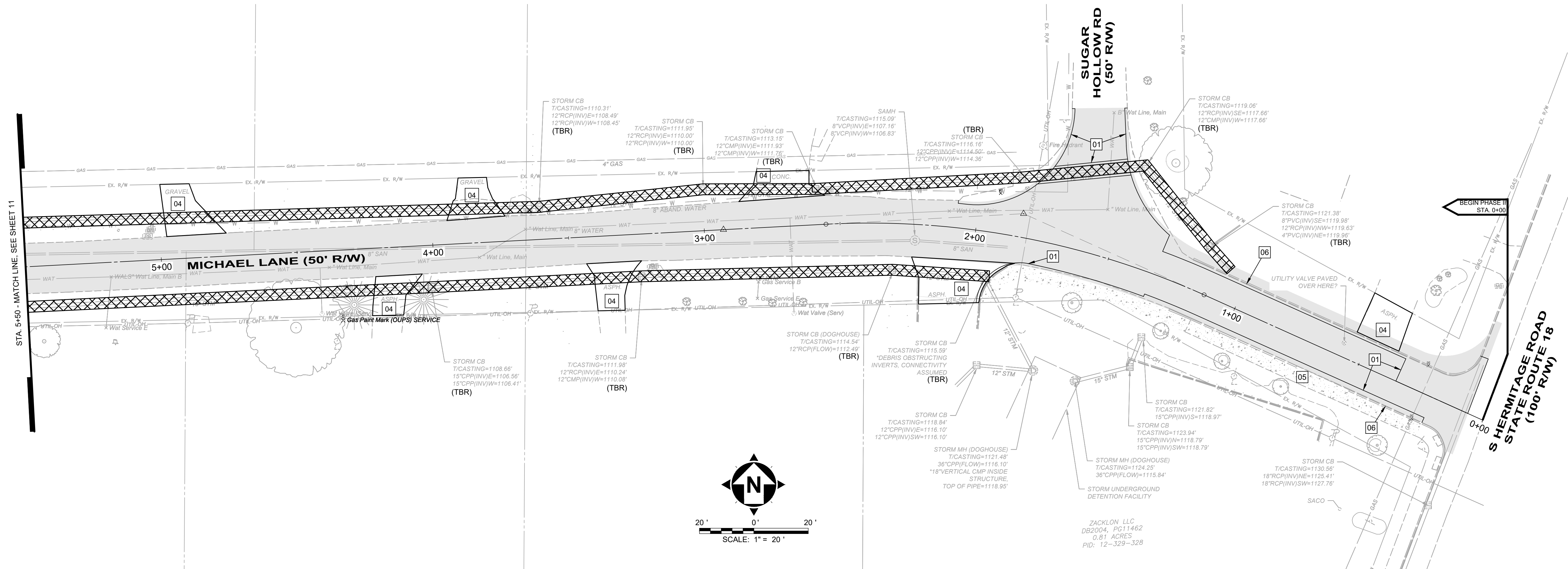
- 01 NEAT-LINE SAW CUT ROADWAY
- 02 NOT USED
- 03 EXISTING CURB TO BE REPLACED AT ALL LOCATIONS WHERE DAMAGED DURING REMOVAL OF EXISTING STORM SEWER
- 04 DRIVEWAY APRONS
-CONCRETE: REMOVE TO R/W OR EXPANSION JOINT
-ASPHALT: REMOVE DRIVEWAY/APRON
-REMOVE: DRIVEWAY/APRON
- 05 SIDEWALK TO BE REMOVED
- 06 CURB TO BE REMOVED

DEMOLITION LEGEND:

- DENOTES STORM SEWER TO BE REMOVED
- PAVEMENT TO BE MILLED - MICHAEL LANE STA. 0+06 TO STA. 0+35 LT; STA. 0+35 TO STA. 6+50
ARMAND AVENUE STA. 0+00 TO STA. 10+34
- (TBR) TO BE REMOVED

NOTE:

FULL DEPTH PAVEMENT REPLACEMENT LIMITS - MICHAEL LANE, STA. 0+06 TO STA. 0+35 RT



ISSUED FOR:	BID SET NO.	REVISION	DATE
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JES / SAS			
JAG			


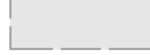
CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
DEMOLITION PLAN
MICHAEL LANE
STA. 0+00 TO STA. 5+50

PROJECT NO.	180302
DISCIPLINE	CIVIL
SHEET NAME	DP-1
SHEET	10
OF	23

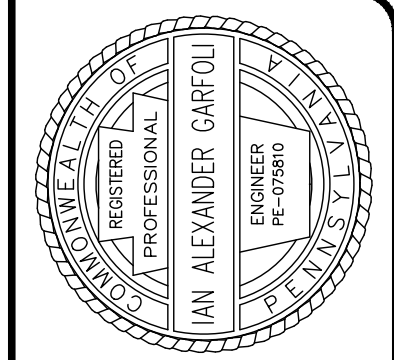
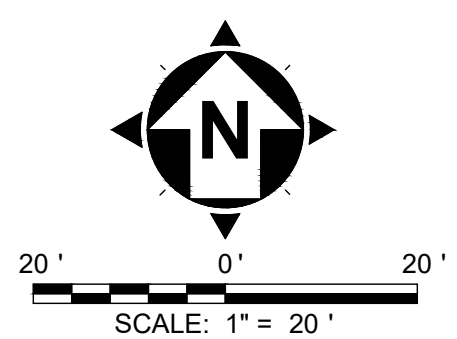
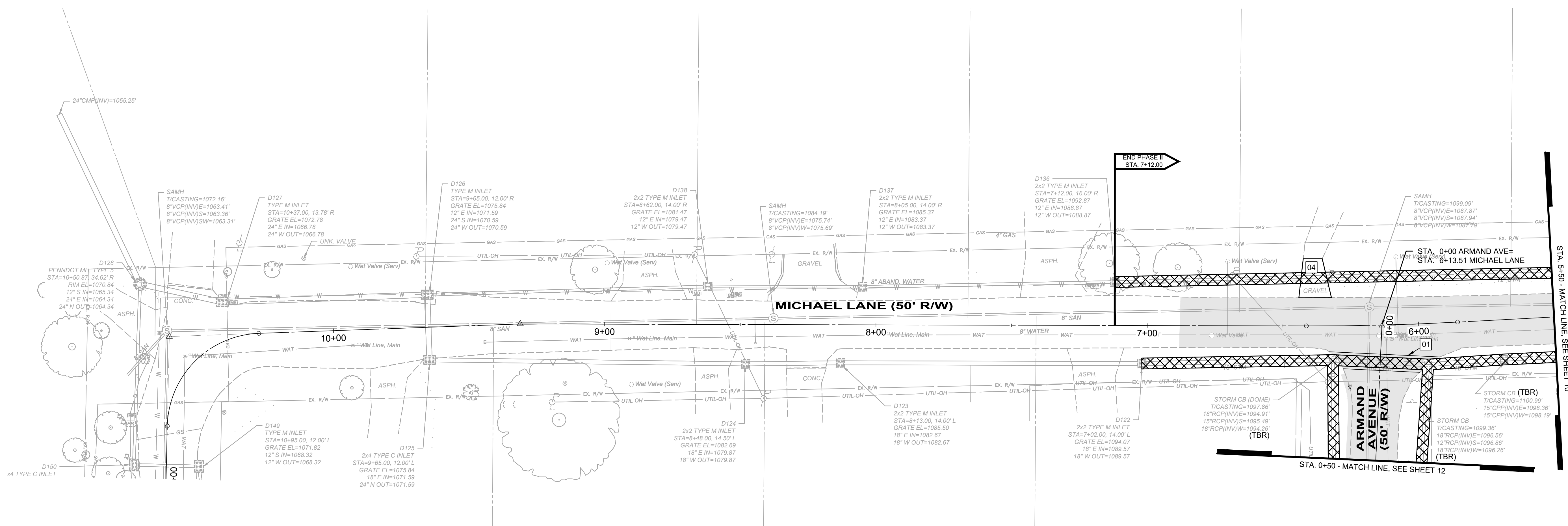
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- 01 NEAT-LINE SAW CUT ROADWAY
- 02 NOT USED
- 03 EXISTING CURB TO BE REPLACED AT ALL LOCATIONS WHERE DAMAGED DURING REMOVAL OF EXISTING STORM SEWER
- 04 DRIVEWAY APRONS
-CONCRETE: REMOVE TO RW OR EXPANSION JOINT
-ASPHALT: REMOVE DRIVEWAY/APRON
-REMOVE: DRIVEWAY/APRON
- 05 SIDEWALK TO BE REMOVED
- 06 CURB TO BE REMOVED

DEMOLITION LEGEND:

-  DENOTES STORM SEWER TO BE REMOVED
-  PAVEMENT TO BE MILLED - MICHAEL LANE STA. 0+06 TO STA. 0+35 LT; STA. 0+35 TO STA. 6+50
ARMAND AVENUE STA. 0+00 TO STA. 10+00
- (TBR) TO BE REMOVED

NOTE:
FULL DEPTH PAVEMENT REPLACEMENT LIMITS - MICHAEL/CARROLL LANE, STA. 0+06 TO STA. 0+35 RT



NO	REVISION	DATE



CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
DEMOLITION PLAN
MICHAEL/CARROLL LANE
STA. 5+50 TO STA. 11+00

PROJECT NO.	180302
DISCIPLINE	CIVIL
SHEET NAME	DP-2
SHEET	OF
11	23

DEMOLITION CODED NOTES:

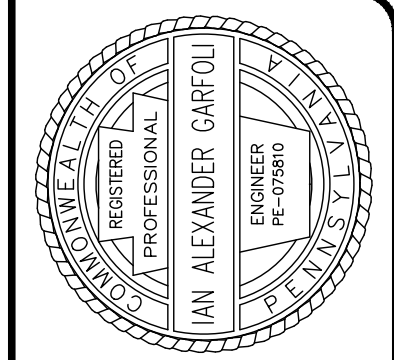
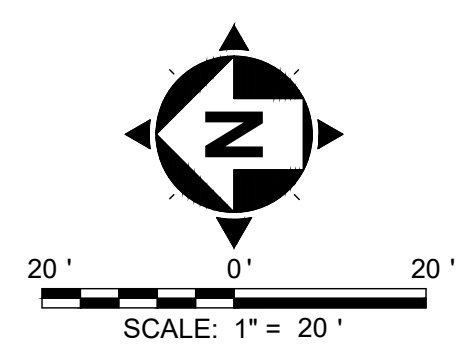
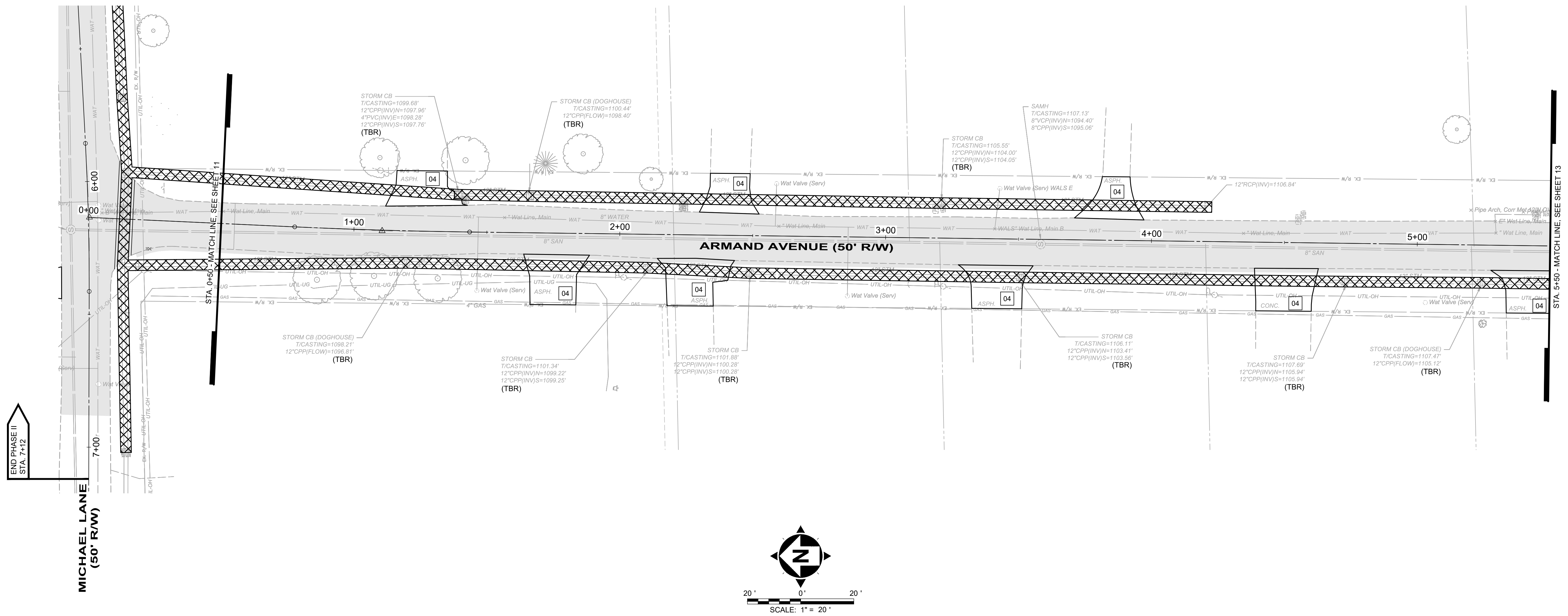
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- 02 NOT USED
- 03 EXISTING CURB TO BE REPLACED AT ALL LOCATIONS WHERE DAMAGED DURING REMOVAL OF EXISTING STORM SEWER
- 04 DRIVEWAY APRONS
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-REMOVE: DRIVEWAY/APRON
- 05 SIDEWALK TO BE REMOVED
- 06 CURB TO BE REMOVED

DEMOLITION LEGEND:

-  DENOTES STORM SEWER TO BE REMOVED
-  PAVEMENT TO BE MILLED - MICHAEL LANE STA. 0+06 TO STA. 0+35 LT; STA. 0+35 TO STA. 6+50
ARMAND AVENUE STA. 0+00 TO STA. 10+00
- (TBR) TO BE REMOVED

NOTE:

FULL DEPTH PAVEMENT REPLACEMENT LIMITS - MICHAEL LANE, STA. 0+06 TO STA. 0+35 RT



NO	REVISION	DATE

CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
DEMOLITION PLAN
ARMAND AVENUE
STA. 0+00 TO STA. 5+50

PROJECT NO.	180302
DISCIPLINE	CIVIL
SHEET NAME	DP-3
SHEET	12
OF	23

DEMOLITION CODED NOTES:

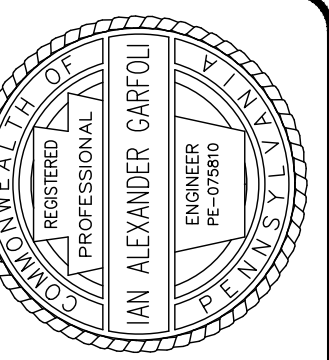
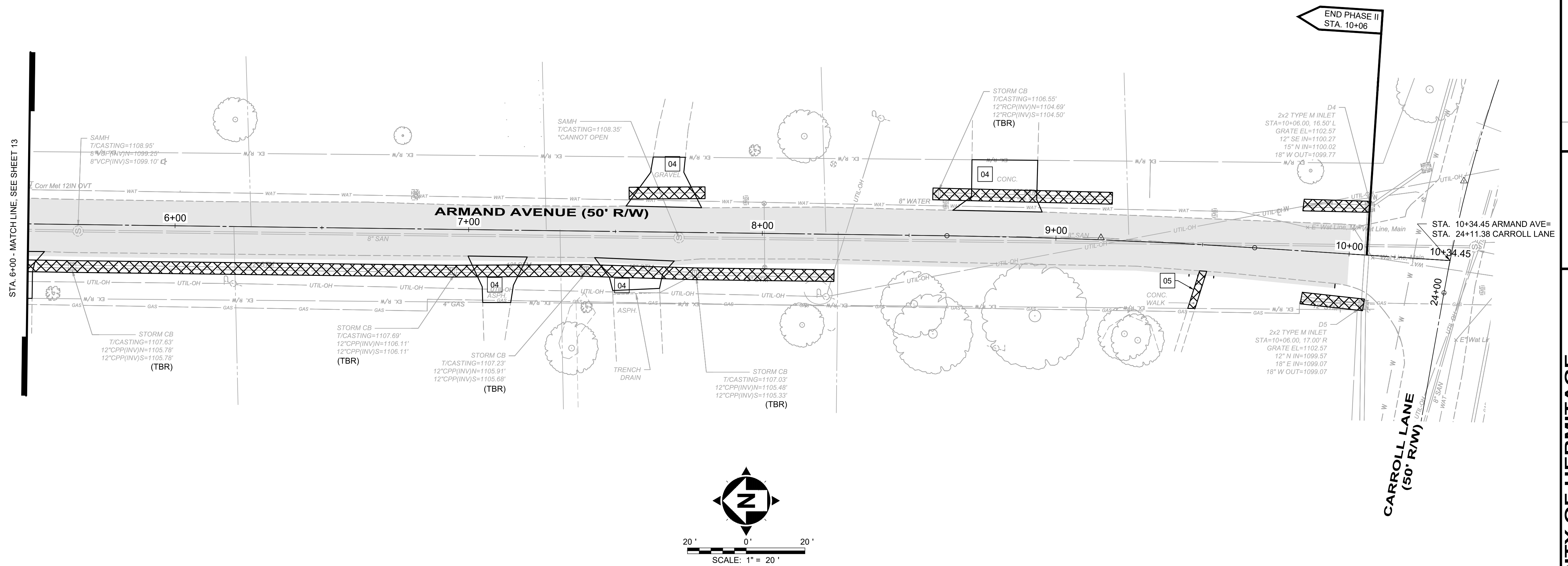
- 01 NEAT-LINE SAW CUT ROADWAY
- 02 NOT USED
- 03 EXISTING CURB TO BE REPLACED AT ALL LOCATIONS WHERE DAMAGED DURING REMOVAL OF EXISTING STORM SEWER
- 04 DRIVEWAY APRONS
-CONCRETE: REMOVE TO RW OR EXPANSION JOINT
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-REMOVE: DRIVEWAY/APRON
- 05 SIDEWALK TO BE REMOVED
- 06 CURB TO BE REMOVED

DEMOLITION LEGEND:

- DENOTES STORM SEWER TO BE REMOVED
- PAVEMENT TO BE MILLED - MICHAEL LANE STA. 0+06 TO STA. 0+35 LT; STA. 0+35 TO STA. 6+50
ARMAND AVENUE STA. 0+00 TO STA. 10+00
- (TBR) TO BE REMOVED

NOTE:

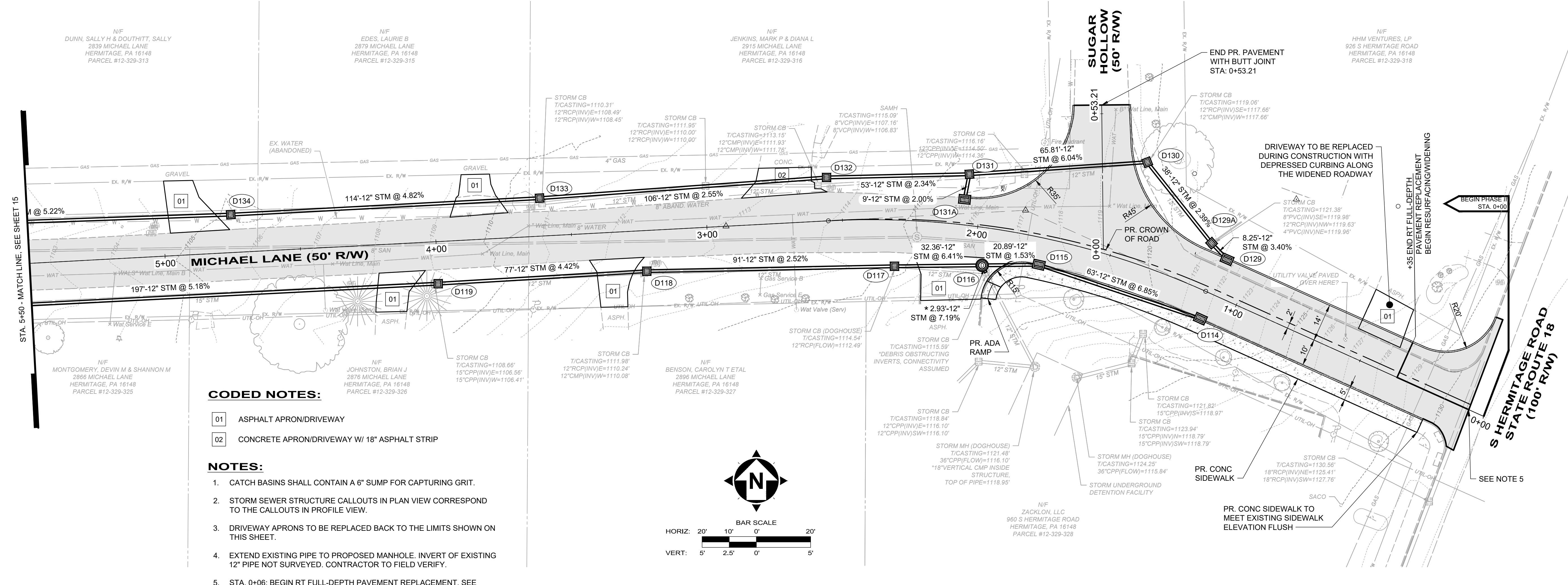
FULL DEPTH PAVEMENT REPLACEMENT LIMITS - MICHAEL LANE, STA. 0+06 TO STA. 0+35 RT



NO.	REVISION	DATE

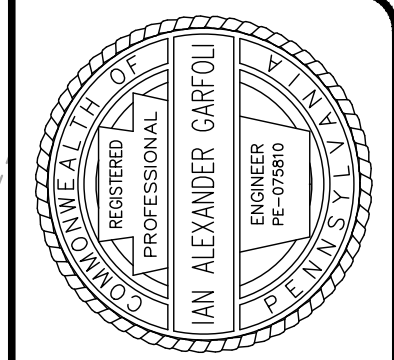
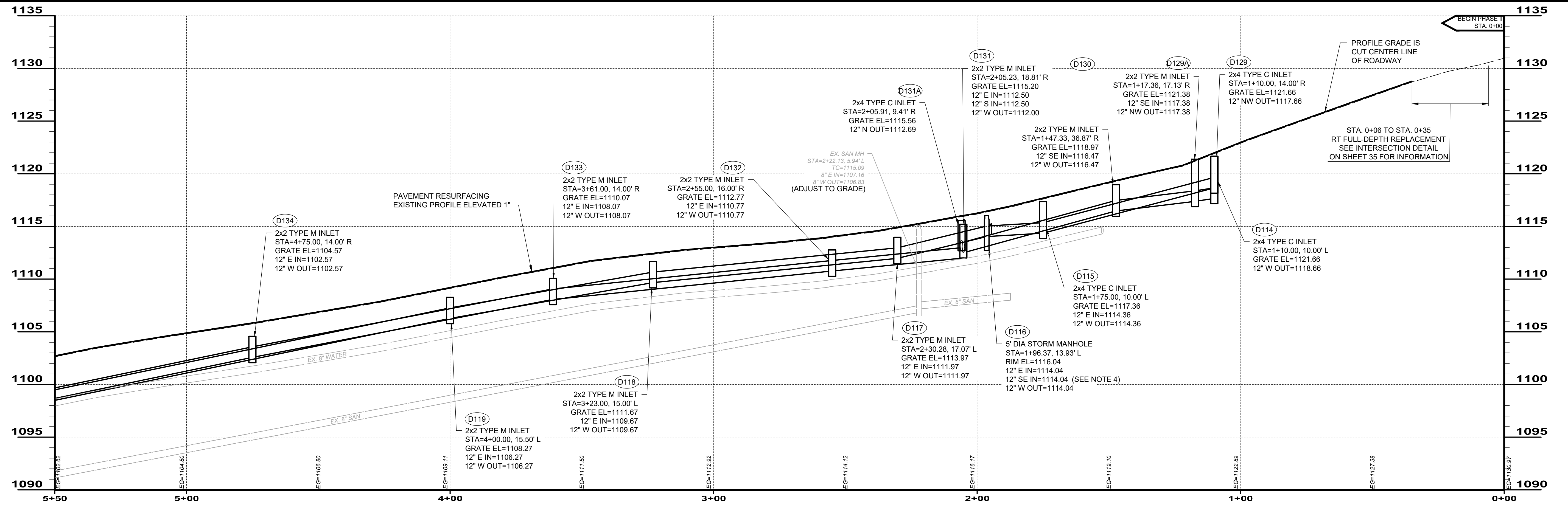
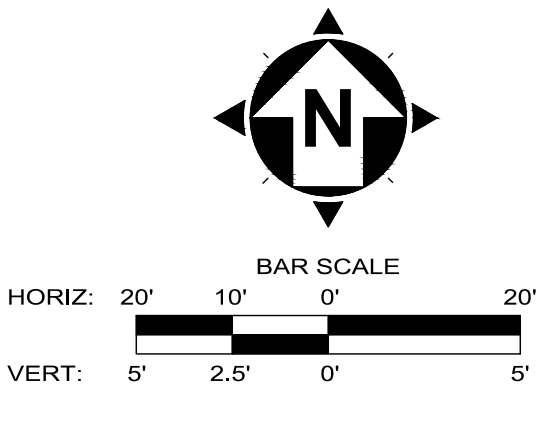
CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
DEMOLITION PLAN
ARMAND AVENUE
STA. 5+50 TO STA. 10+34.45

PROJECT NO.	180302
DISCIPLINE	CIVIL
SHEET NAME	DP-4
SHEET	13
OF	23



- CODED NOTES:**
- 01 ASPHALT APRON/DRIVEWAY
 - 02 CONCRETE APRON/DRIVEWAY W/ 18" ASPHALT STRIP

- NOTES:**
1. CATCH BASINS SHALL CONTAIN A 6" SUMP FOR CAPTURING GRIT.
 2. STORM SEWER STRUCTURE CALLOUTS IN PLAN VIEW CORRESPOND TO THE CALLOUTS IN PROFILE VIEW.
 3. DRIVEWAY APRONS TO BE REPLACED BACK TO THE LIMITS SHOWN ON THIS SHEET.
 4. EXTEND EXISTING PIPE TO PROPOSED MANHOLE. INVERT OF EXISTING 12" PIPE NOT SURVEYED. CONTRACTOR TO FIELD VERIFY.
 5. STA. 0+06: BEGIN RT FULL-DEPTH PAVEMENT REPLACEMENT. SEE INTERSECTION DETAIL ON SHEET CD-3.



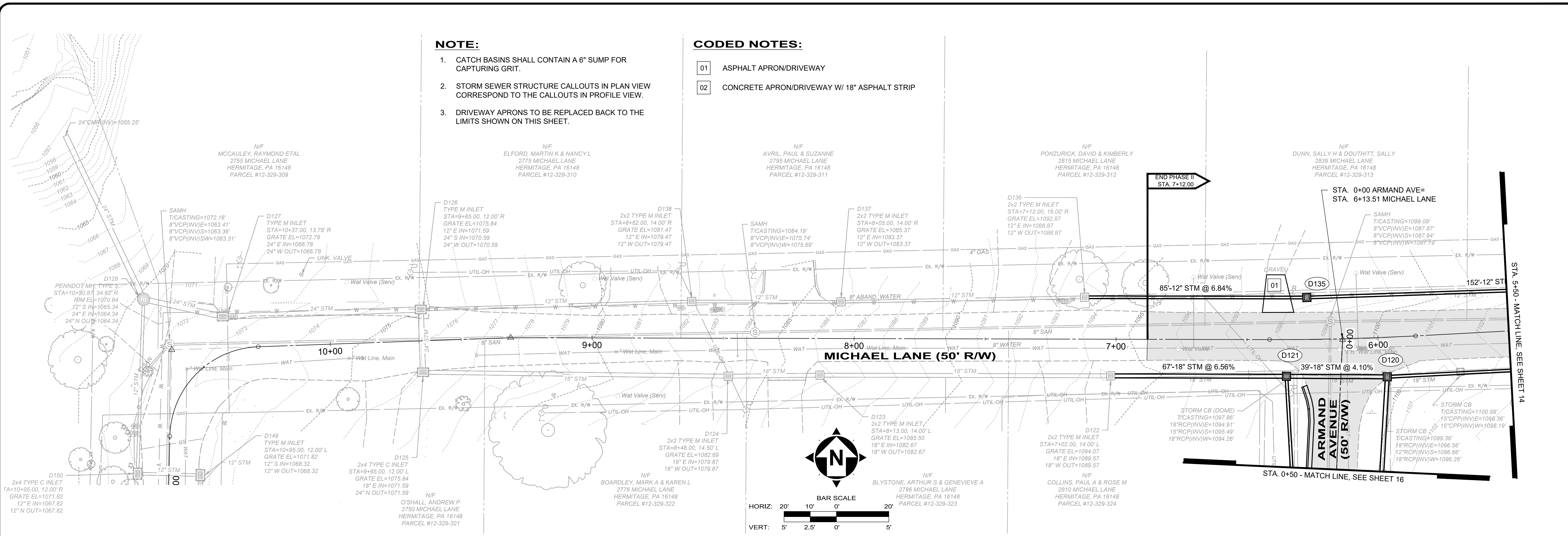
NO.	REVISION	DATE

CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA

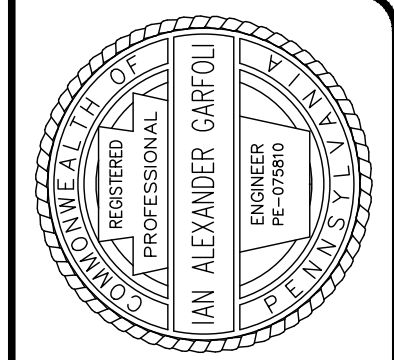
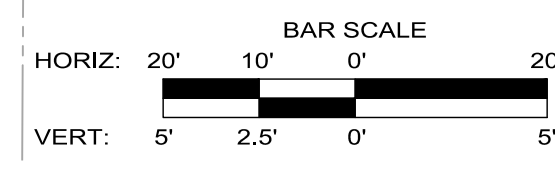
PLAN & PROFILE
MICHAEL LANE
STA. 0+00 TO STA. 5+50

PROJECT NO.	180302
DISCIPLINE	CIVIL
SHEET NAME	PL-1
SHEET	14
OF	23

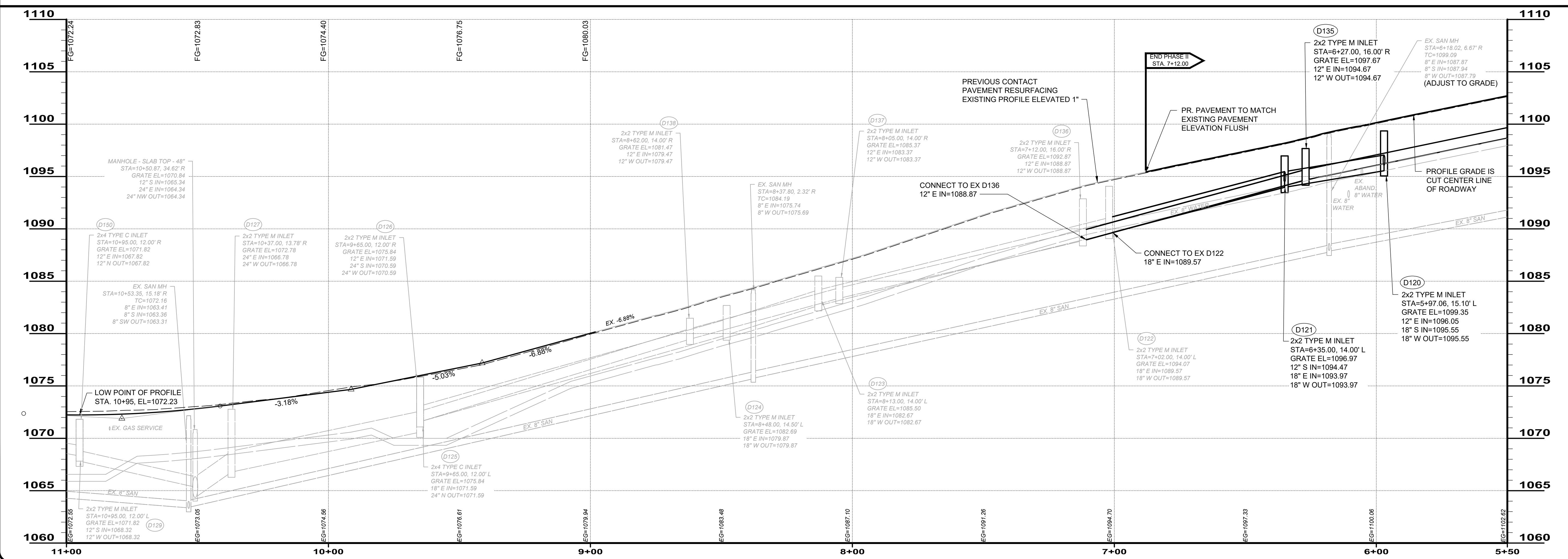
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- NOTE:**
- CATCH BASINS SHALL CONTAIN A 6" SUMP FOR CAPTURING GRIT.
 - STORM SEWER STRUCTURE CALLOUTS IN PLAN VIEW CORRESPOND TO THE CALLOUTS IN PROFILE VIEW.
 - DRIVEWAY APRONS TO BE REPLACED BACK TO THE LIMITS SHOWN ON THIS SHEET.
- CODED NOTES:**
- 01 ASPHALT APRON/DRIVEWAY
 - 02 CONCRETE APRON/DRIVEWAY W/ 18" ASPHALT STRIP



NO	REVISION	DATE

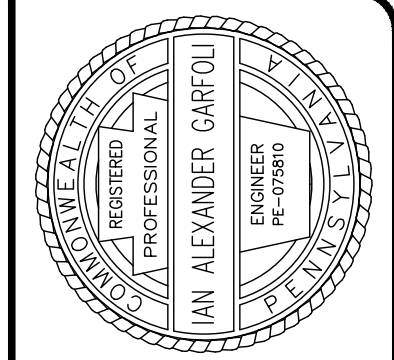


ISSUED FOR:	BID SET

ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
1/20/2020	AS SHOWN	JES	JES/SAS	IAG

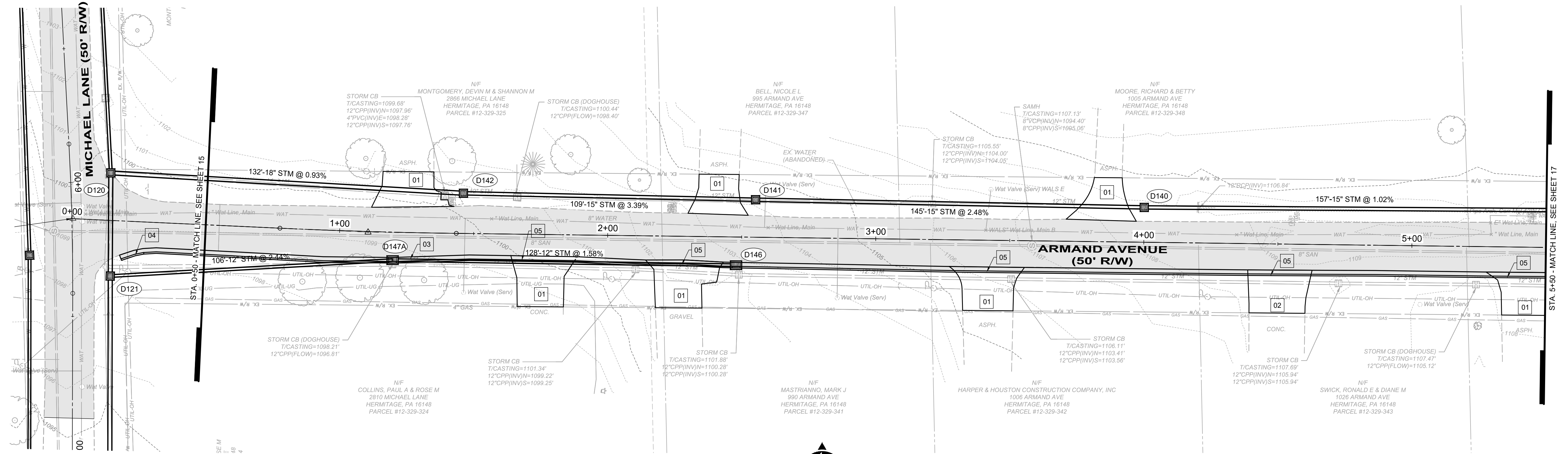
CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
PLAN & PROFILE
MICHAEL/CARROLL LANE
STA. 5+50 TO STA. 11+00

PROJECT NO.	DISCIPLINE	SHEET NAME	SHEET	OF
180302	CIVIL	PL-2	15	23



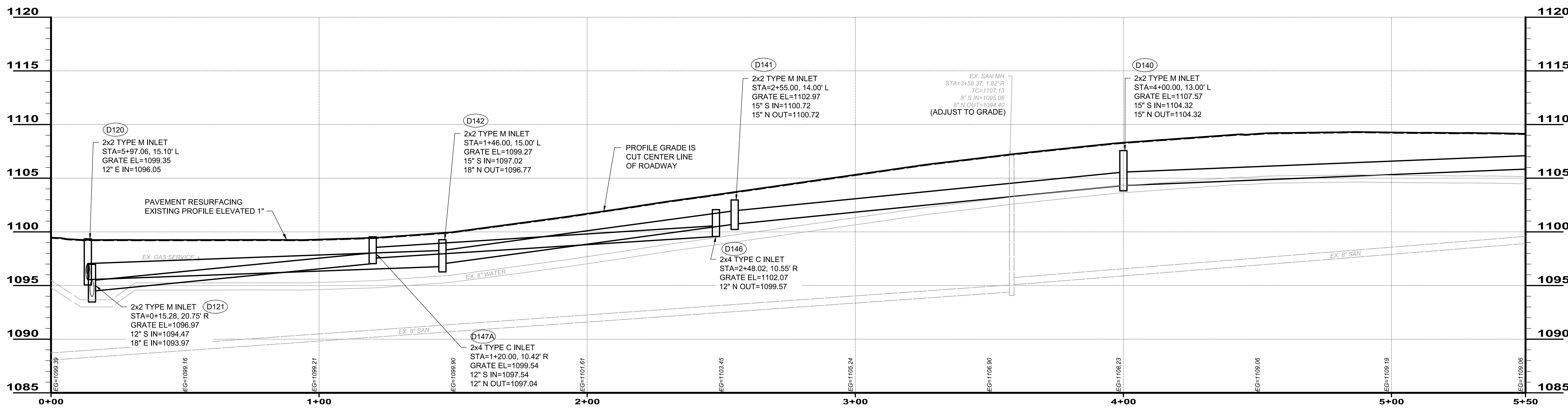
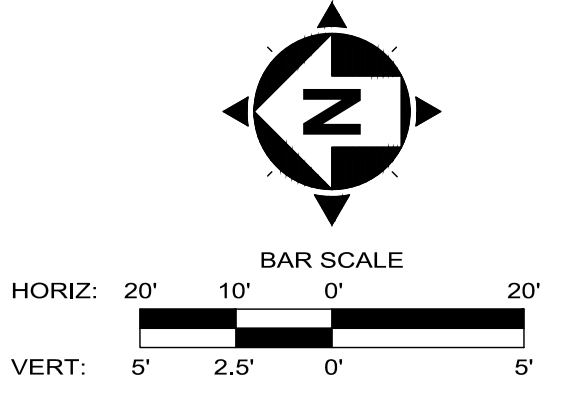
NO	REVISION	DATE

ISSUED FOR:	BID SET	DATE	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:



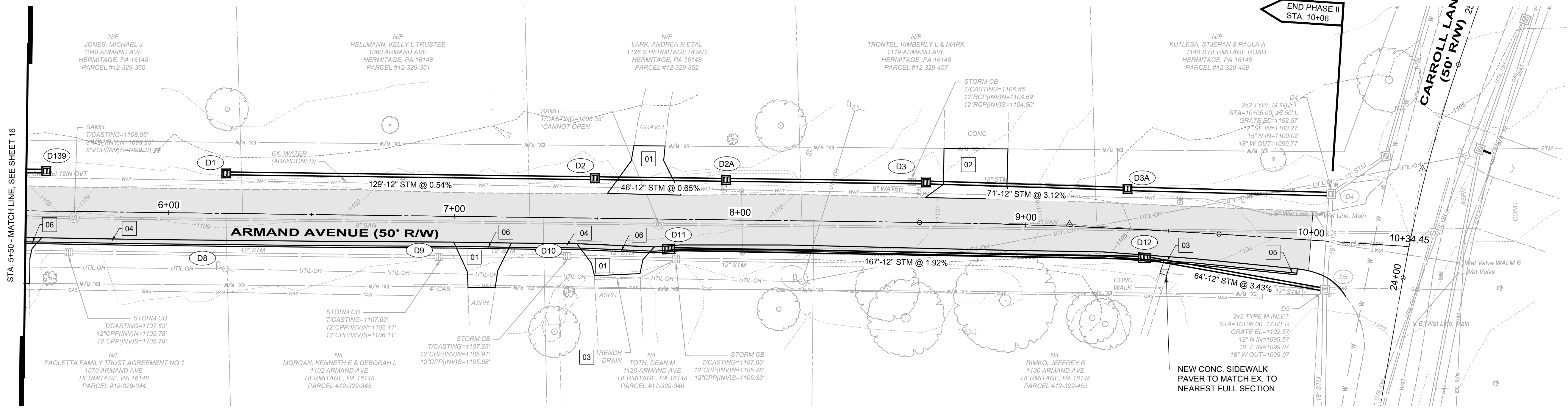
- NOTES:**
- CATCH BASINS SHALL CONTAIN A 6" SUMP FOR CAPTURING GRIT.
 - STORM SEWER STRUCTURE CALLOUTS IN PLAN VIEW CORRESPOND TO THE CALLOUTS IN PROFILE VIEW.
 - DRIVEWAY APRONS TO BE REPLACED BACK TO THE LIMITS SHOWN ON THIS SHEET.

- CODED NOTES:**
- 01 ASPHALT APRON/DRIVEWAY
 - 02 CONCRETE APRON/DRIVEWAY W/ 18" ASPHALT STRIP
 - 03 ROADWAY EXTENSION WITH CONCRETE CURB
 - 04 CONCRETE CURB END TRANSITION
 - 05 DEPRESSED CONCRETE CURB AT DRIVEWAY



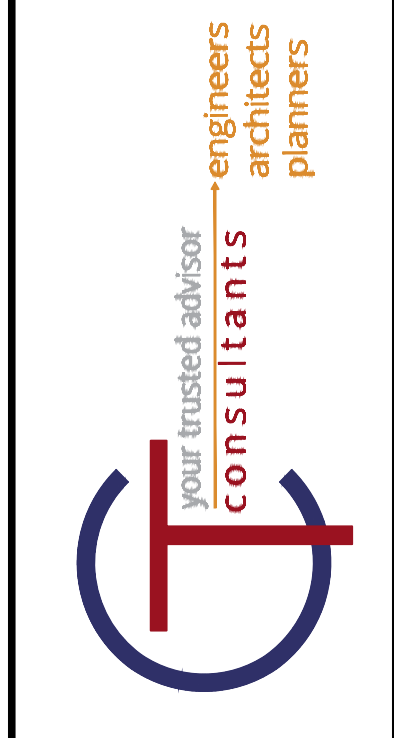
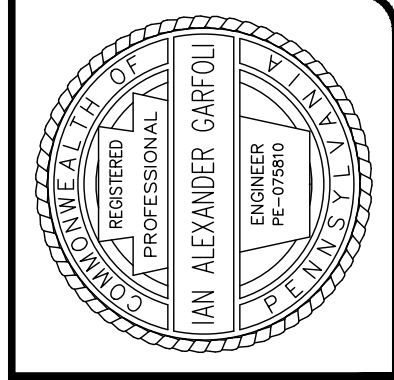
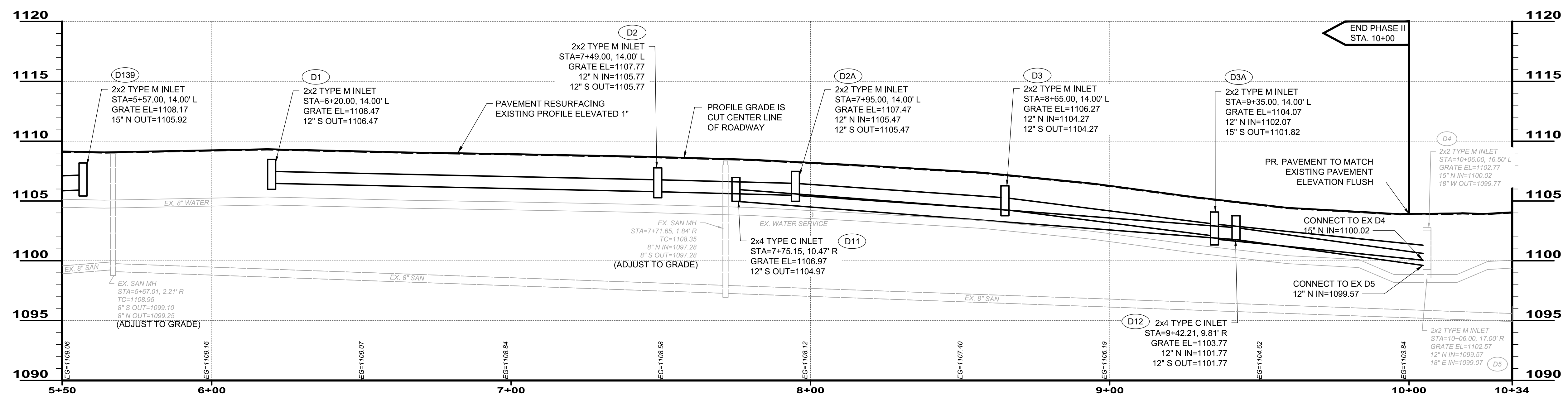
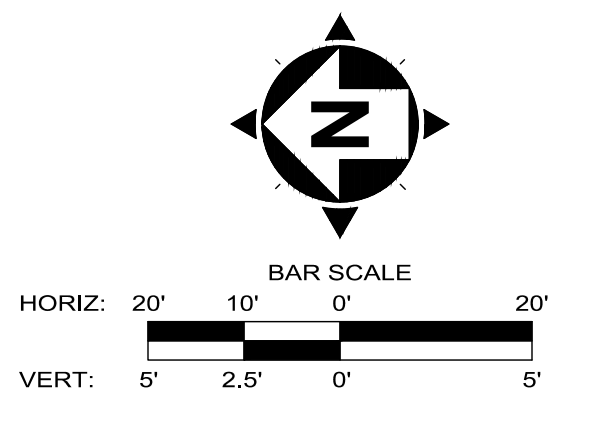
CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
PLAN & PROFILE
ARMAND AVENUE
STA. 0+00 TO STA. 5+50

PROJECT NO.	1803302
DISCIPLINE	CIVIL
SHEET NAME	PL-3
SHEET	16
OF	23



- NOTE:**
- CATCH BASINS SHALL CONTAIN A 6" SUMP FOR CAPTURING GRIT.
 - STORM SEWER STRUCTURE CALLOUTS IN PLAN VIEW CORRESPOND TO THE CALLOUTS IN PROFILE VIEW.
 - DRIVEWAY APRONS TO BE REPLACED BACK TO THE LIMITS SHOWN ON THIS SHEET.
 - TRENCH DRAINS SHALL BE CONNECTED TO THE NEAREST CATCH BASIN AT A 1% MIN. SLOPE.

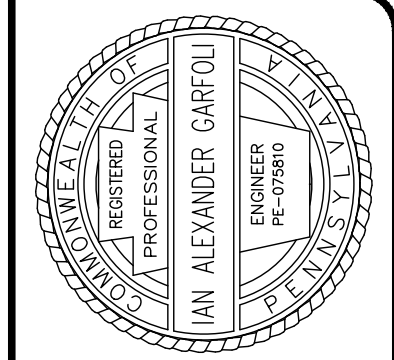
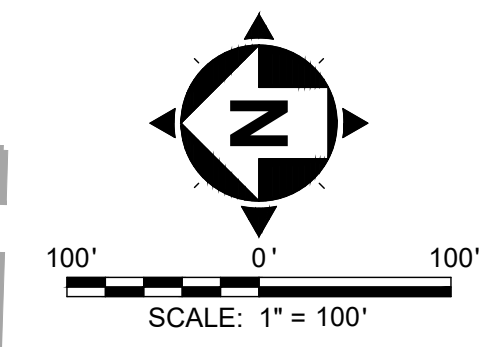
- CODED NOTES:**
- 01 ASPHALT APRON/DRIVEWAY
 - 02 CONCRETE APRON/DRIVEWAY W/ 18" ASPHALT STRIP
 - 03 PR. CONCRETE SIDEWALK TO MEET PR. CONCRETE CURB
 - 04 ROADWAY EXTENSION WITH CONCRETE CURB
 - 05 CONCRETE CURB END TRANSITION
 - 06 DEPRESSED CONCRETE CURB AT DRIVEWAY



ISSUED FOR:	BID SET	NO.	REVISION	DATE
CITY OF HERMITAGE	1/20/2020			
2020 NEIGHBORHOOD INVESTMENT PROGRAM	AS SHOWN			
SCALE:	JES			
DESIGNED BY:	JES / SAS			
DRAWN BY:	JES / SAS			
CHECKED BY:	IAG			

CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
PLAN & PROFILE
ARMAND AVENUE
STA. 5+50 TO STA. 10+34.45

PROJECT NO.	180302
DISCIPLINE	CIVIL
SHEET NAME	PL-4
SHEET	17
OF	23



ISSUED FOR:	BID SET	NO	REVISION	DATE
ISSUE DATE:	1/20/2020			
SCALE:	AS SHOWN			
DESIGNED BY:	JES			
DRAWN BY:	JES / SAS			
CHECKED BY:	IAG			

CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
EROSION & SEDIMENTATION CONTROL PLAN

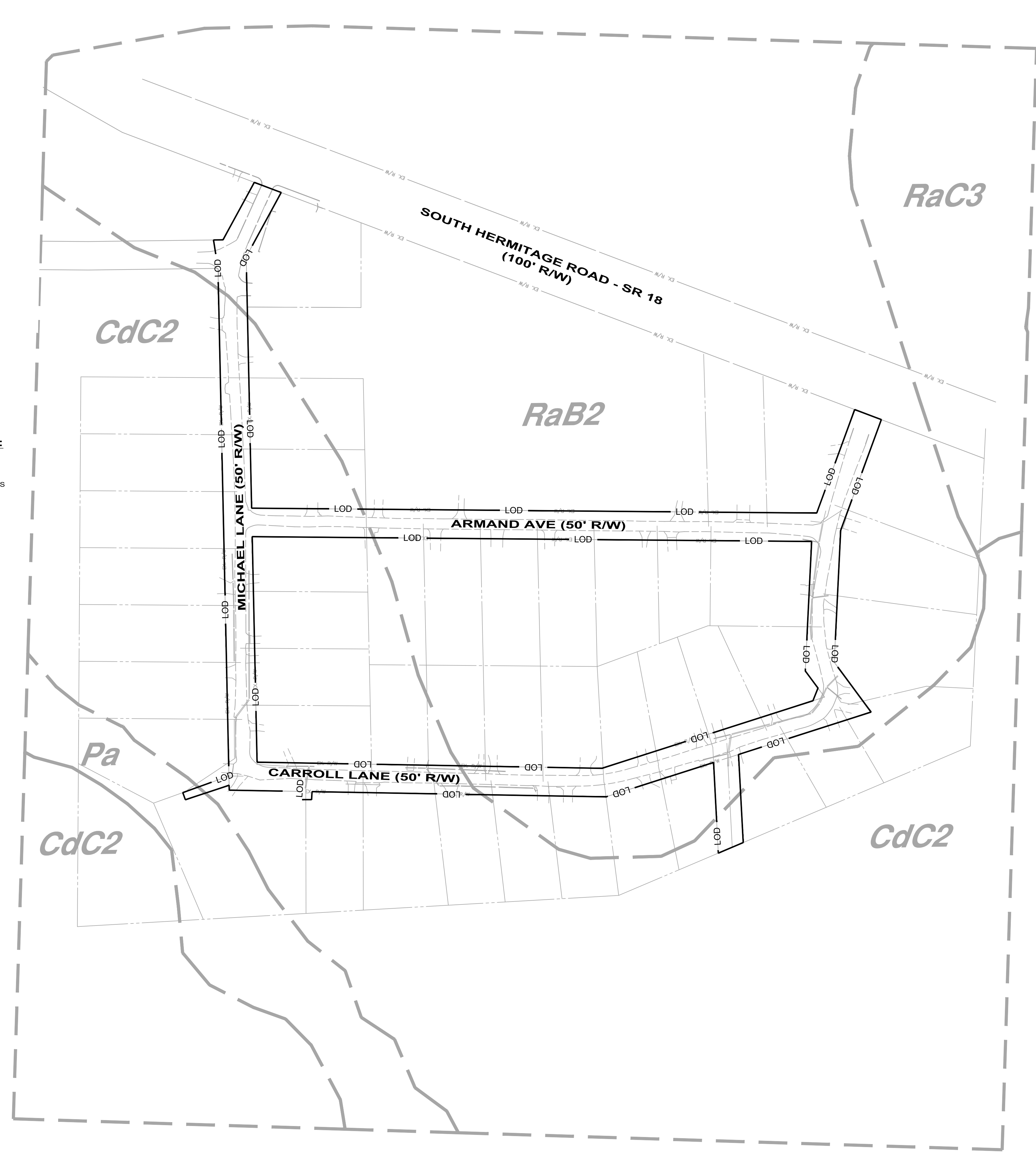
PROJECT NO.	180302
DISCIPLINE	CIVIL
SHEET NAME	ESC-1
SHEET	18
OF	23

SOILS LEGEND:

- CdC2 - CANFIELD SILT LOAM, 8 TO 15 PERCENT SLOPES
- RaC3 - RAVENNA SILT LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
- RaB2 - RAVENNA SILT LOAM, 3 TO 8 PERCENT SLOPES
- Pa - PAPA KATING SILT LOAM

EROSION AND SEDIMENTATION CONTROL LEGEND:

- SF SILT FENCE
- LOD LIMIT OF DISTURBANCE
- TOPSOIL STOCKPILE
- SOIL BOUNDARIES



SOIL EROSION AND SEDIMENTATION CONTROL NOTES AND MAINTENANCE PROGRAM:

- 1. ONLY LIMITED UP-SLOPE DISTURBANCE WILL BE PERMITTED TO PROVIDE ACCESS TO ANY SEDIMENT BASINS, SEDIMENT TRAPS, DIVERSION CHANNELS, AND OTHER CONTROL MEASURES FOR GRADING AND ACQUIRING BORROW TO CONSTRUCT THOSE CONTROLS AS REQUIRED.
2. EROSION AND SEDIMENTATION CONTROLS MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE GENERAL SITE DISTURBANCE WITHIN THE TRIBUTARY AREAS OF THOSE CONTROLS.
3. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENTATION CONTROL MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE CONTROLS MUST BE STABILIZED.
4. VEHICLES MAY ONLY ENTER AND EXIT AT THE LOCATION OF APPROVED CONSTRUCTION ENTRANCES.
5. STOCK PILE HEIGHTS MUST NOT EXCEED 35 FEET NOR SHALL THE SIDE SLOPES EXCEED 2:1. STOCK PILES SHALL BE LOCATED ON SITE BY THE CONTRACTOR AT LOCATIONS APPROVED BY THE COUNTY CONSERVATION DISTRICT.
6. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENTATION CONTROLS MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION CONTROLS AFTER EACH STORM EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEANOUT, REPAIR, REPLACEMENT, RE-GRADING, RE-SEEDING, RE-MULCHING, AND RE-NETTING MUST BE PERFORMED IMMEDIATELY.
7. SEDIMENT MUST BE REMOVED FROM SEDIMENT CONTROL FACILITIES WHEN STORAGE CAPACITIES ARE REDUCED. DISPOSAL OF SEDIMENT SHALL BE IN ACCORDANCE WITH LOCAL & STATE RULES & REGULATIONS.
8. ANY SEDIMENT BASINS AND SEDIMENT TRAPS MUST BE PROTECTED FROM UNAUTHORIZED ACTS OF THIRD PARTIES.
9. CLEANOUT STAKES MUST BE PROVIDED AT HALF DISTANCES FROM THE POINT OF CONCENTRATED INFLOWS INTO THE BASINS AND TRAPS TO THE OUTLET STRUCTURE. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS ON ONE-HALF OF THE STAKES (IF MORE THAN ONE) REACH THE CLEANOUT ELEVATION.
10. SILT FENCING MUST BE INSTALLED PARALLEL TO EXISTING CONTOURS OR CONSTRUCTED LEVEL ALIGNMENTS. ENDS OF FENCING MUST EXTEND 4', TRAVELING UP-SLOPE AT 45° TO THE ALIGNMENT OF THE MAIN FENCING SECTION.
11. SEDIMENT MUST BE REMOVED WHERE ACCUMULATIONS REACH ONE-HALF THE ABOVE GROUND HEIGHT OF THE SILT FENCING.
12. ANY SILT FENCING THAT HAS BEEN UNDERMINED OR TOPPLED MUST BE REPLACED WITH ROCK FILTER OUTLETS IMMEDIATELY.
13. ALL STORMWATER INLETS MUST BE PROTECTED UNTIL THE TRIBUTARY AREAS ARE STABILIZED. INLETS WHICH DO NOT DISCHARGE TO A SEDIMENT TRAP OR SEDIMENT BASIN MUST BE PROTECTED UNTIL THE TRIBUTARY AREAS ARE STABILIZED.
14. ALL EROSION AND SEDIMENTATION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND AFTER EVERY RUNOFF EVENT.
15. ANY DIVERSION CHANNELS, SEDIMENT BASINS, SEDIMENT TRAPS, DIVERSION BERMS, AND STOCKPILES MUST BE SEEDED AND MULCHED IMMEDIATELY.
16. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION, STABILIZATION, AND MAINTENANCE OF ALL EROSION AND SEDIMENTATION CONTROLS AND RELATED ITEMS INCLUDED ON THIS PLAN.
17. THE CONTRACTOR MUST DEVELOP, AND HAVE APPROVED BY THE COUNTY CONSERVATION DISTRICT, A SEPARATE EROSION AND SEDIMENTATION CONTROL PLAN FOR EACH SPOIL, BORROW, OR OTHER WORK AREA NOT DETAILED HEREIN, WHETHER LOCATED WITHIN OR OUTSIDE OF THE CONSTRUCTION LIMITS.
18. SHOULD ANY MEASURES CONTAINED WITHIN THIS PLAN PROVE INCAPABLE OF ADEQUATELY REMOVING SEDIMENT FROM ON-SITE FLOWS PRIOR TO DISCHARGE OR STABILIZING THE SURFACES INVOLVED, ADDITIONAL MEASURES MUST BE IMMEDIATELY IMPLEMENTED BY THE APPLICANT TO ELIMINATE ALL SUCH PROBLEMS.
19. SHOULD UNFORESEEN EROSION CONDITIONS DEVELOP DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE ACTION TO REMEDY SUCH CONDITIONS AND TO PREVENT DAMAGE TO ADJACENT PROPERTIES AS A RESULT OF INCREASED RUNOFF AND/OR SEDIMENT DISPLACEMENT. STOCKPILES OF WOOD CHIPS, HAY BALES, CRUSHED STONE AND OTHER MULCHES SHALL BE HELD IN READINESS TO DEAL IMMEDIATELY WITH EMERGENCY PROBLEMS OF EROSION.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING TREES AND SHRUBS TO REMAIN FROM UNNECESSARY DAMAGE.
21. A COPY OF THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN (E&SPC) MUST BE POSTED AT THE CONSTRUCTION SITE AT ALL TIMES IN ACCORDANCE WITH THE LAWS OF THE COMMONWEALTH OF PENNSYLVANIA.
22. THE CONTRACTOR IS ADVISED TO BECOME THOROUGHLY FAMILIAR WITH THE PROVISIONS TITLE 25, PART 1, DEPARTMENT OF ENVIRONMENTAL PROTECTION, SUB-PART C, PROTECTION OF NATURAL RESOURCES, ARTICLE III, WATER RESOURCES, CHAPTER 102, EROSION CONTROL.
23. THE EROSION AND SEDIMENT CONTROL MEASURES ARE FOR THE INSTALLATION, MAINTENANCE AND MEASURES TO CONTROL EROSION AND SEDIMENTATION ONLY. REFER TO APPROPRIATE PLAN SHEETS FOR ALL UTILITY, STORMWATER, SITE IMPROVEMENT, AND OTHER CONSTRUCTION INFORMATION.
24. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF ANY EXCESS MATERIAL AND MAKE SURE SITE(S) RECEIVING THE EXCESS HAS AN APPROVED EROSION CONTROL PLAN THAT MEETS THE CONDITIONS OF CHAPTER 102 AND/OR OTHER STATE, FEDERAL REGULATIONS.
25. ALL BUILDING MATERIALS AND WASTES MUST BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED IN ACCORDANCE WITH THE DEPARTMENT'S REGULATIONS § AT 25 PA. CODE 280.1 ET. SEQ., § 287.1 ET. SEQ. § 271.1 ET. SEQ.. NO BUILDING MATERIAL AND OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
26. THE CONTRACTOR MUST ENSURE THAT VISUAL SITE INSPECTIONS ARE CONDUCTED WEEKLY AND AFTER EACH PRECIPITATION EVENT BY A QUALIFIED PERSON TRAINED AND EXPERIENCED IN EROSION AND SEDIMENT CONTROL, TO ASCERTAIN THAT THE BMPs ARE OPERATIONAL AND EFFECTIVE IN PREVENTING POLLUTION TO THE WATERS OF THE COMMONWEALTH. A WRITTEN REPORT OF EACH INSPECTION SHALL BE KEPT AND INCLUDE:
26.1. SUMMARY OF SITE CONDITION, BMPs (BEST MANAGEMENT PRACTICES) AND COMPLIANCE
26.2. THE DATE, TIME AND THE NAME OF THE PERSON CONDUCTING THE INSPECTION.
27. IF BMPs ARE FOUND TO BE INOPERATIVE OR INEFFECTIVE DURING AN INSPECTION, OR ANY OTHER TIME, THE PERMITTEE AND/OR CO-PERMITTEE SHALL IMMEDIATELY CONTACT THE DISTRICT. DOCUMENTATION SHOULD INCLUDE WHAT STEPS ARE BEING TAKEN TO REDUCE, ELIMINATE AND PREVENT RECURRENT OF THE PROBLEM. THE CONTRACTOR SHALL TAKE ALL REASONABLE STEPS TO MINIMIZE OR PREVENT ANY DISCHARGE IN VIOLATION OF THIS PERMIT WHICH HAS A REASONABLE LIKELIHOOD OF ADVERSELY AFFECTING HUMAN HEALTH OR ENVIRONMENT.

INSPECTION AND MAINTENANCE:

- 1. ALL EROSION AND SEDIMENTATION CONTROL FACILITIES SHALL BE INSPECTED WEEKLY AND AFTER EACH MEASURABLE RAIN EVENT.
2. FABRIC FENCES: REPAIR DAMAGE TO FENCES. BACKFILL UNDERCUTTING, OVERTOPPED AREAS SHALL BE REPLACED WITH AN OUTLET ROCK FILTER. IF SEDIMENT REACHES ONE HALF THE FENCE HEIGHT, IT SHALL BE REMOVED AND PLACED IN THE TOPSOIL AND FILL STOCKPILE AREA. REPLACEMENT FENCE AND STAKES SHALL BE KEPT ON SITE.
3. CONSTRUCTION ENTRANCE: WHEN UTILIZED, INSPECTED DAILY. EXCESS SEDIMENT SHALL BE REMOVED AND STORED IN THE TOPSOIL AND FILL STOCKPILE AREA AND USED AS FILL OR ROAD SUBBASE. A STOCKPILE OF REPLACEMENT ROCK SHALL BE KEPT ON SITE.
4. CATCH BASIN: REPLACE SILT SACKS WHEN FULL. THE SEDIMENT SHALL BE PLACED IN THE TOPSOIL AND FILL STOCKPILE AREA. EXTRA SILT SACKS MUST BE KEPT ON SITE. FILTER FABRIC PROTECTION TREAT AS FABRIC FENCE.
5. ROCK FILTERS: WHEN UTILIZED, REPLACE WHEN CLOGGED WITH SEDIMENT. KEEP A STOCKPILE OF REPLACEMENT ROCK ON SITE. CLOGGED FILTER ROCK MAY BE STORED IN THE TOPSOIL AND FILL STOCKPILE AREA AND USED AS FILL OR ROAD SUBBASE.
6. SEDIMENT TRAPS: WHEN UTILIZED, REMOVE SEDIMENT WHEN IT REACHES THE REMOVAL MARK ON THE INDICATOR STAKE AND PLACE IT IN THE TOPSOIL AND FILL STOCKPILE AREA CHECK EMBANKMENT FOR PIPING, EROSION OR OVERTOPPING AND REPAIR AS NEEDED. INSPECT OUTLET STRUCTURE, CLEAN OF ANY DEBRIS, AND REPAIR AS NEEDED.

SITE RESTORATION:

- 1. ALL DISTURBED PROPERTY SHALL BE RESTORED TO ITS PRE-CONSTRUCTION CONDITION, AS NEAR AS POSSIBLE WITHIN 20 DAYS OF DISTURBANCE.
2. ONCE AN AREA IS GRADED TO ITS FINAL GRADE, IT MUST BE STABILIZED WITH THE PERMANENT SEED MIX SPECIFICATION ACCORDING TO ITS SLOPE.

ESC GENERAL NOTES:

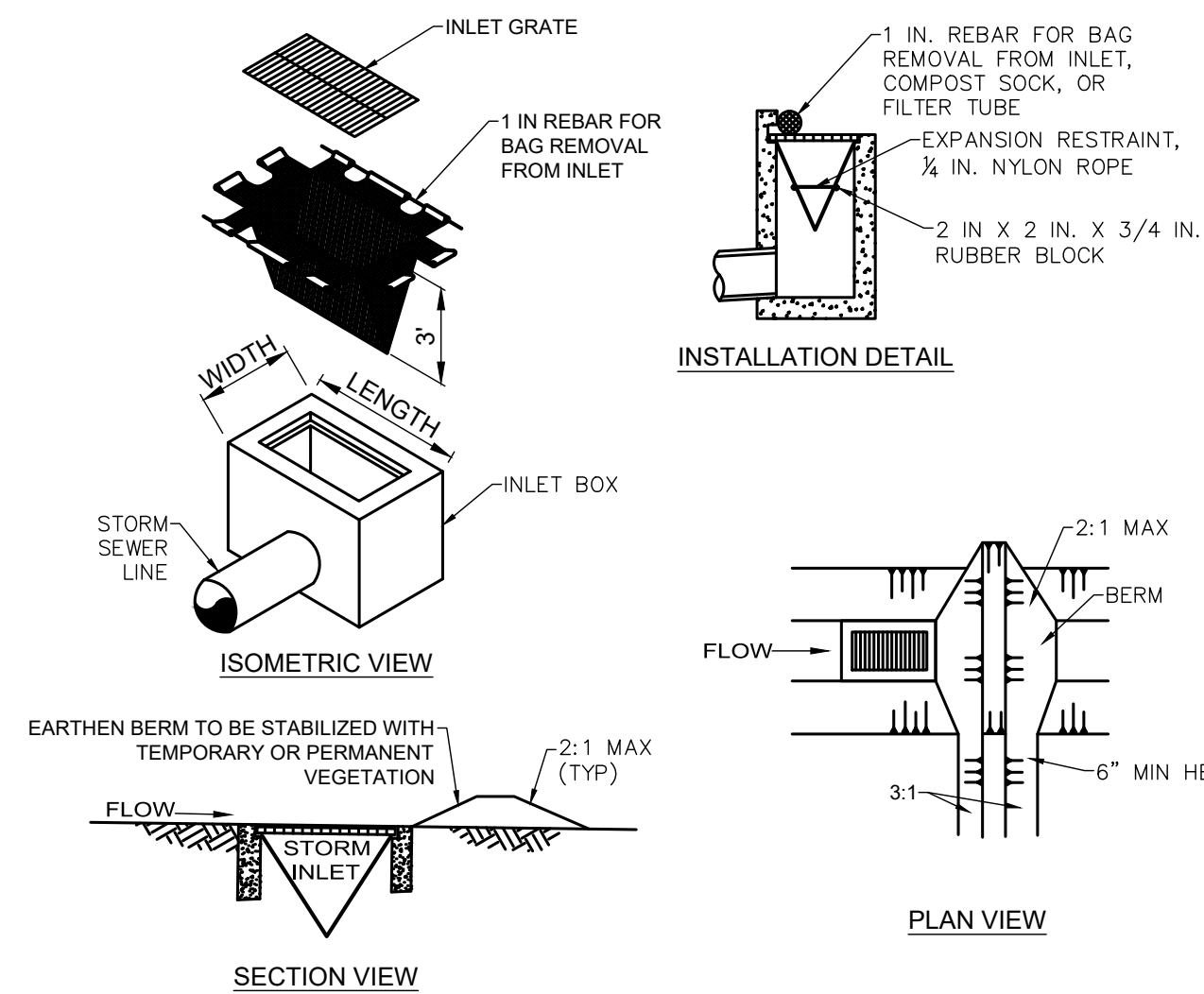
- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF SEDIMENTATION AND EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AS OUTLINED HEREIN, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE COUNTY SOIL CONSERVATION DISTRICT AND THE PENNSYLVANIA DEPT. OF ENVIRONMENTAL PROTECTION.
2. ALL EROSION CONTROL MEASURES SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLAN ARE TO BE INSTALLED PRIOR TO BEGINNING ANY OTHER EARTH DISTURBING ACTIVITY.
3. EROSION AND SEDIMENT BMPs (BEST MANAGEMENT PRACTICES) MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE BMPs.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING INSPECTIONS OF ALL EROSION CONTROL DEVICES ON A WEEKLY BASIS AND AFTER ALL STORMS THAT PRODUCE MORE THAN ONE-HALF (1/2") INCH TOTAL RAINFALL. ANY NEEDED REPAIRS SHALL BE PERFORMED IMMEDIATELY. THE CONTRACTOR SHALL DOCUMENT ALL INSPECTIONS AND ANY REPAIRS THAT ARE DONE TO MAINTAIN EFFICIENCY. COPIES OF EROSION CONTROL INSPECTION REPORTS SHALL BE SUBMITTED TO THE COUNTY SOIL CONSERVATION DISTRICT.
5. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPs MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE BMPs MUST BE STABILIZED IMMEDIATELY.
6. STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.
7. A SILT FENCE SHALL BE INSTALLED AROUND THE PERIMETER OF ALL SOIL STOCKPILED.
8. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPs AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.

OPERATOR'S RESPONSIBILITIES:

- 1. 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.
1.1. 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 THAT HAS BEEN PROCESSED FOR RE-USE.) REFER TO STANDARD DETAILS AND PROJECT MANUAL FOR SPECIFIC PROJECT REQUIREMENTS.
1.2. 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 SUBJECT 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 QUALIFIES AS CLEAN FILL. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF THE DEPARTMENT'S POLICY "MANAGEMENT OF FILL".
2. 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 REGULATIONS BASED ON 25 PA CODE CHAPTERS 287 RESIDUAL WASTE MANAGEMENT OR 271 MUNICIPAL WASTE MANAGEMENT, WHICHEVER IS APPLICABLE.

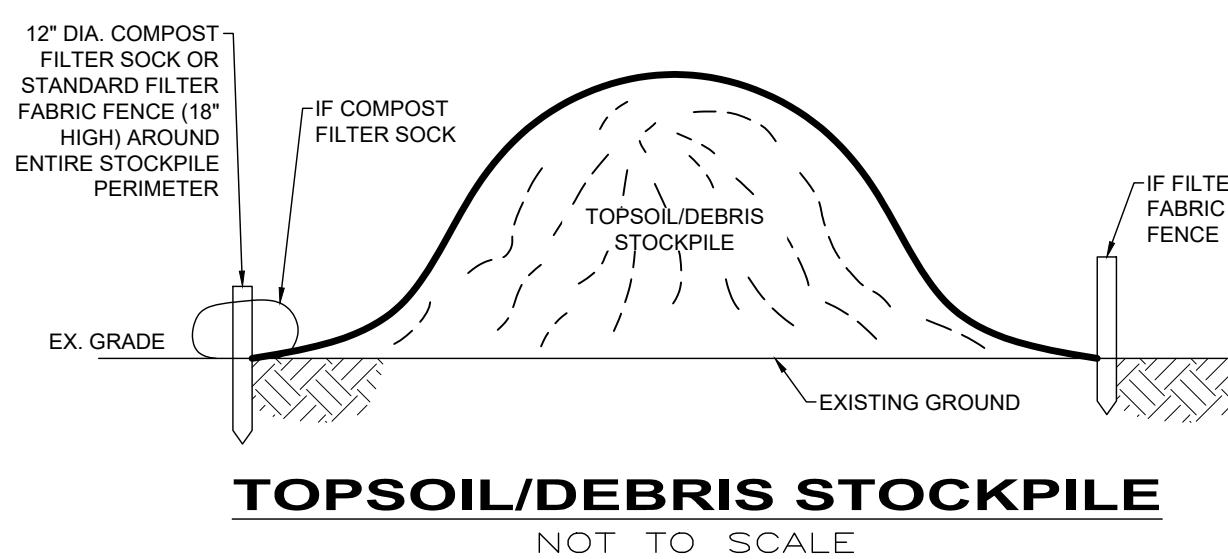
PENNDOT PUBLICATION 72M REFERENCES:

- 1. RC-70M - PERIMETER CONTROL DEVICES
2. RC-72M - INLET AND OUTLET PROTECTION
3. RC-73M - CHANNEL AND SLOPE PROTECTION
4. RC-75M - DEWATERING DEVICES
5. RC-76M - STRAW BALE BARRIER
6. RC-77M - ROCK CONSTRUCTION ENTRANCE



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 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 WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.
DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.
FOR TYPE C INLET, REFER TO PENNDOT RC-72M.

FILTER BAG INLET PROTECTION NOT TO SCALE



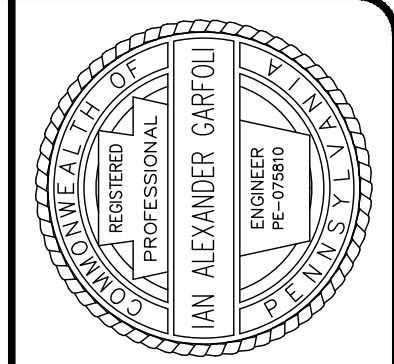
TOPSOIL/DEBRIS STOCKPILE NOT TO SCALE

PERMANENT SEED MIX:

Table with columns: SEED, TYPE, GERMINATION RATE/APPLICATION RATE. Lists various seed mixtures like SUN SEED MIXTURE, SPARTAN II HARD FESCUE, etc.

TEMPORARY SEED MIX:

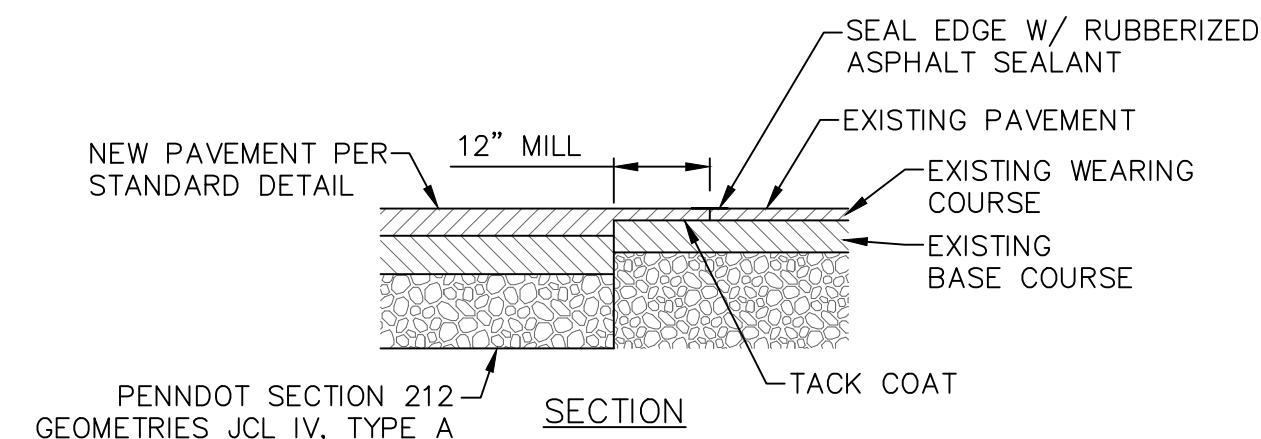
Table with columns: SPECIES, APPLICATION RATE, FERTILIZER, LIME RATE, MULCHING RATE. Lists specifications for annual rye and other temporary mixes.



Revision table with columns: NO., DATE, REVISION, BID SET, ISSUE FOR, ISSUE DATE, SCALE, DESIGNED BY, DRAWN BY, CHECKED BY.

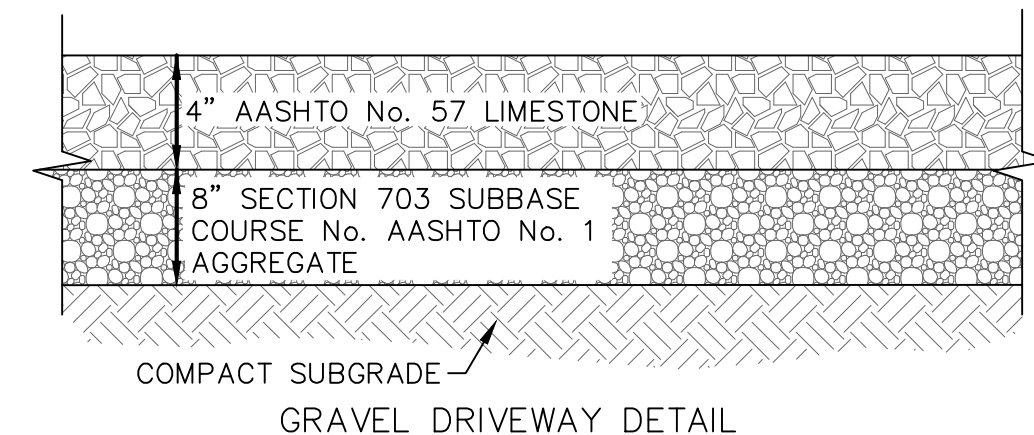
CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
EROSION & SEDIMENTATION CONTROL NOTES

Project information table with fields: PROJECT NO. (180302), DISCIPLINE (CIVIL), SHEET NAME (ESC-2), SHEET (19) OF (23).

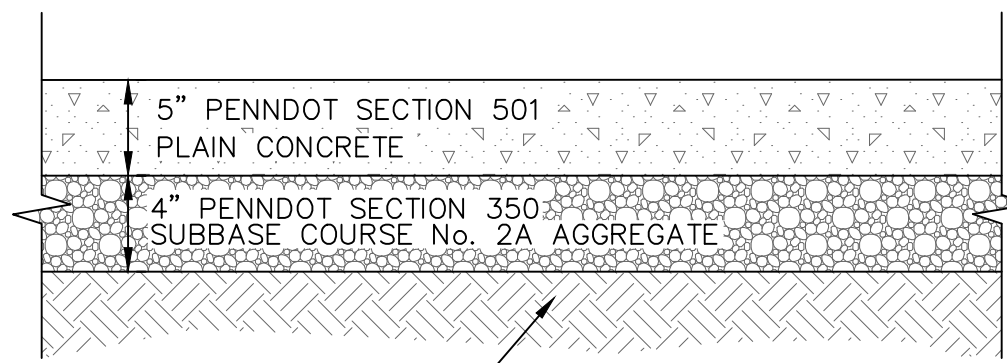


PAVEMENT BUTT JOINT DETAIL

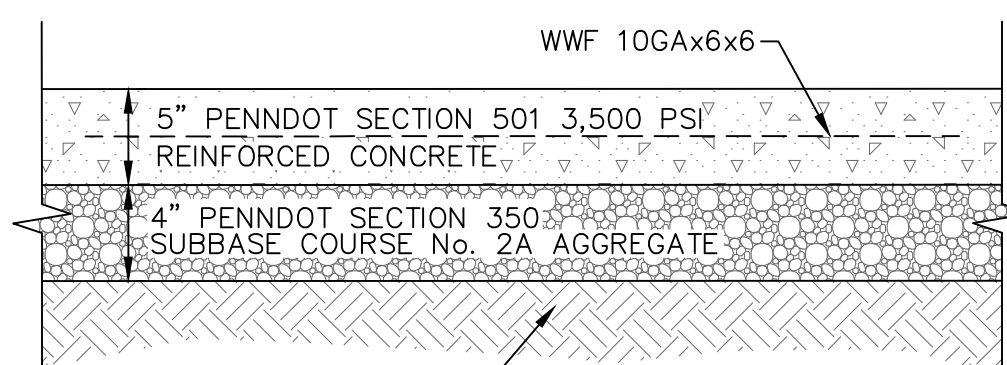
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GRAVEL DRIVEWAY DETAIL



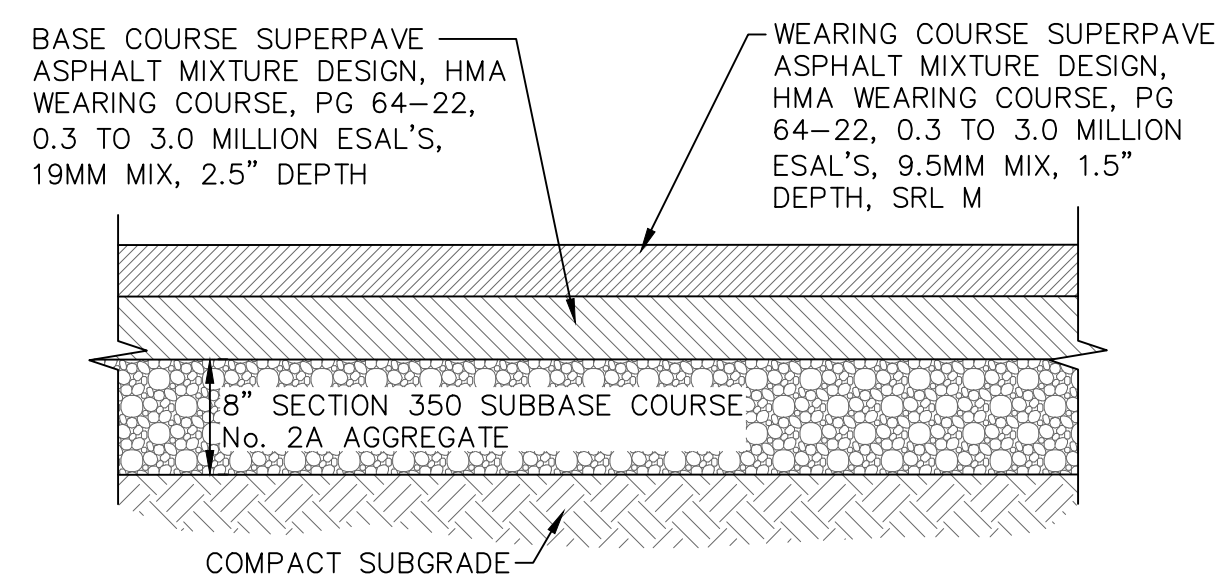
PLAIN CONCRETE DRIVEWAY DETAIL



REINFORCED CONCRETE DRIVEWAY DETAIL

CONTROL JOINTS @ 10 FT. CENTER TO CENTER.

ON CONCRETE DRIVES, SAWCUT AND REMOVE EXISTING DRIVE 5' BEYOND FURTHEST SUBGRADE UTILITY LINE IMPROVEMENT OR AT FIRST FULL PAVEMENT SECTION JOINT (WHICHEVER OCCURS FIRST). MATCH EXISTING PAVEMENT ELEVATIONS.



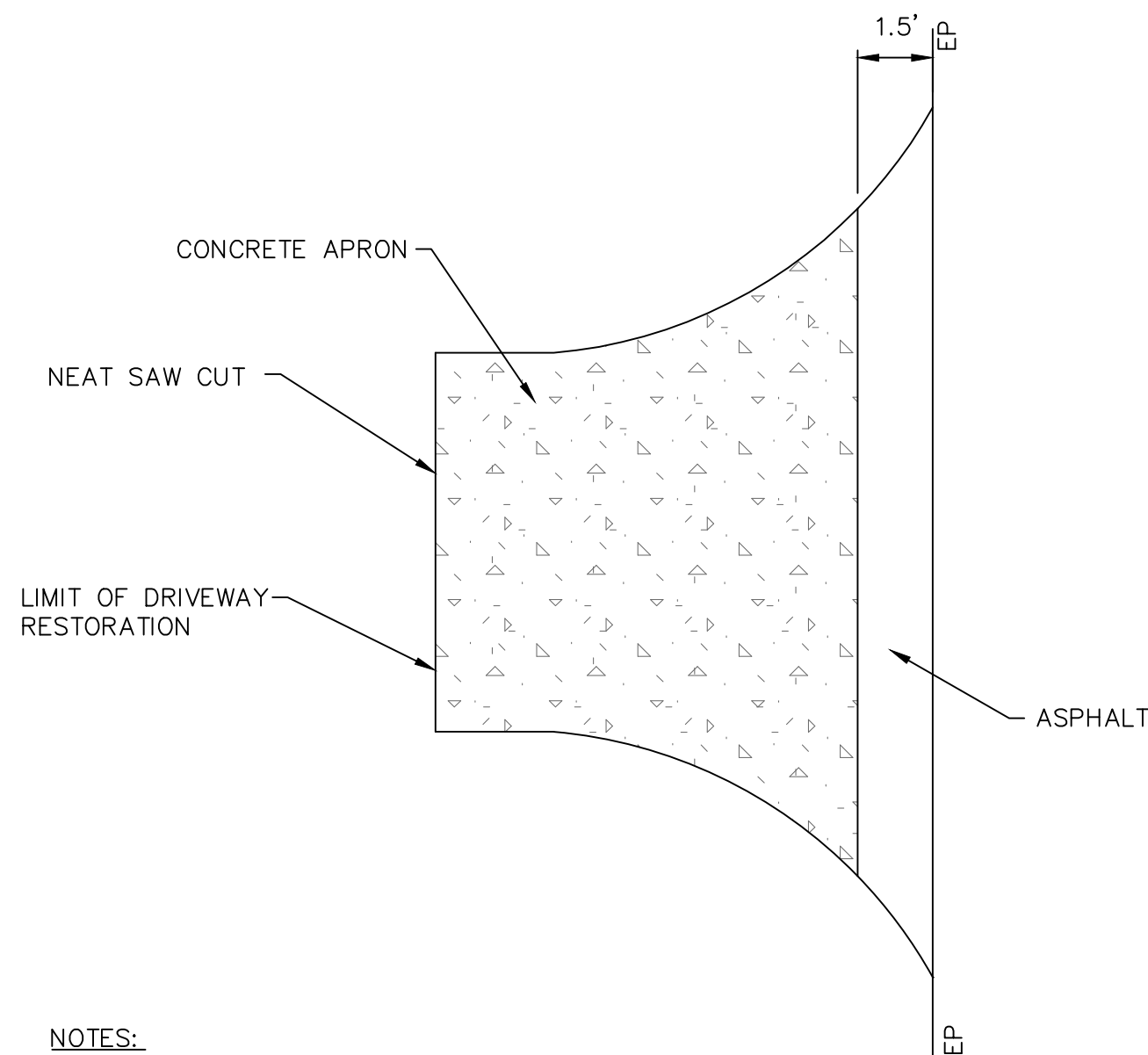
ASPHALT DRIVEWAY DETAIL

NOTES:

- FOR ALL REINFORCED OR PLAIN CEMENT CONCRETE PAVEMENTS REFERENCE SECTION 501 OF PENNDOT PUB 408. ALL CONCRETE DRIVEWAYS TO BE PLAIN CONCRETE UNLESS OTHERWISE NOTED.
- ALL SUBGRADE FINISH GRAVEL SURFACE SHALL BE COMPACTED PER PENNDOT PUB 408 SECTION 210.
- WHERE FULL WIDTH ROAD REPLACEMENT OCCURS, ROADWAY SHALL BE CONSTRUCTED WITH 0.25"/FT. SLOPE, SLOPING AWAY FROM ROADWAY CENTER EACH WAY.
- ALL SAW CUTS SHALL BE NEATLY PERFORMED AND SEALED WITH RUBBERIZED SEALANT 4" WIDE CENTERED IN THE SEAM.

DRIVEWAY REPLACEMENT DETAILS

NOT TO SCALE

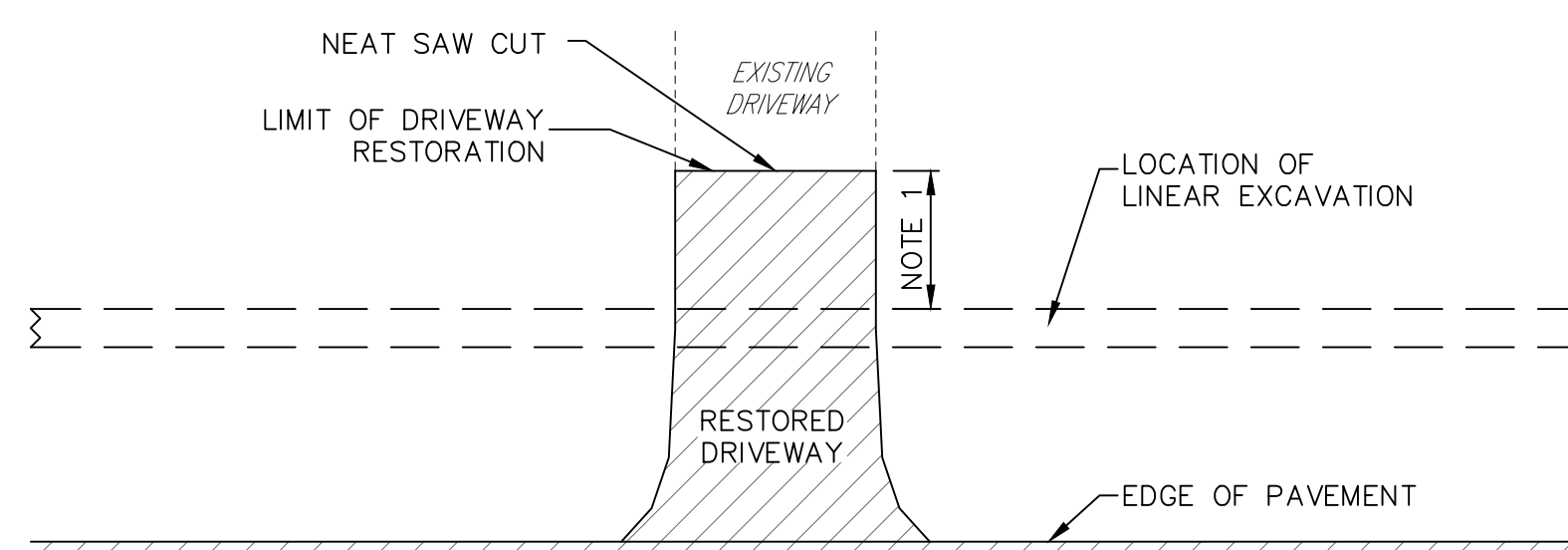


NOTES:

- WHERE A CONCRETE DRIVEWAY APRON REQUIRES REPLACEMENT, THERE SHALL BE AN 18" STRIP OF ASPHALT INSTALLED THAT ABUTS THE ROADWAY TO PROVIDE A SMOOTH TRANSITION.
- RESTORE EXISTING DRIVEWAY FROM EDGE OF PAVEMENT TO 5' BEYOND EXCAVATION. FOR CONCRETE DRIVEWAYS, EXTEND RESTORATION TERMINATION TO FIRST CONSTRUCTION JOINT.
- IF PLANS INDICATE A TRENCH DRAIN TO BE INSTALLED IN THE REPLACED DRIVEWAY AREA, UTILIZE 'TRENCH DRAIN PLACEMENT AND INSTALLATION DETAIL' FOR ADDITIONAL REQUIREMENTS.

CONCRETE DRIVEWAY REPLACEMENT DETAIL

NOT TO SCALE

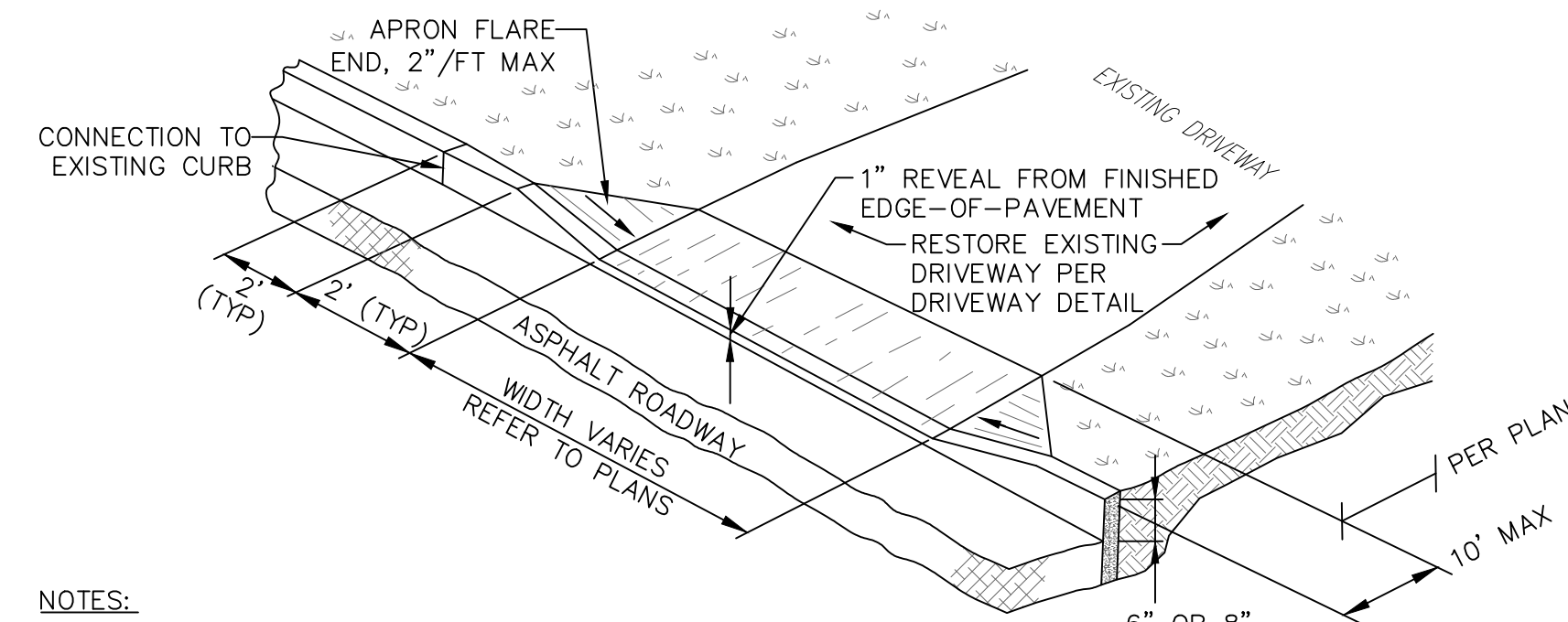


NOTE:

- RESTORE EXISTING DRIVEWAY FROM EDGE OF PAVEMENT TO 5' BEYOND EXCAVATION. FOR CONCRETE DRIVEWAYS, EXTEND RESTORATION TERMINATION TO FIRST CONSTRUCTION JOINT.

DRIVEWAY RESTORATION EXTENTS DETAIL

NOT TO SCALE



NOTES:

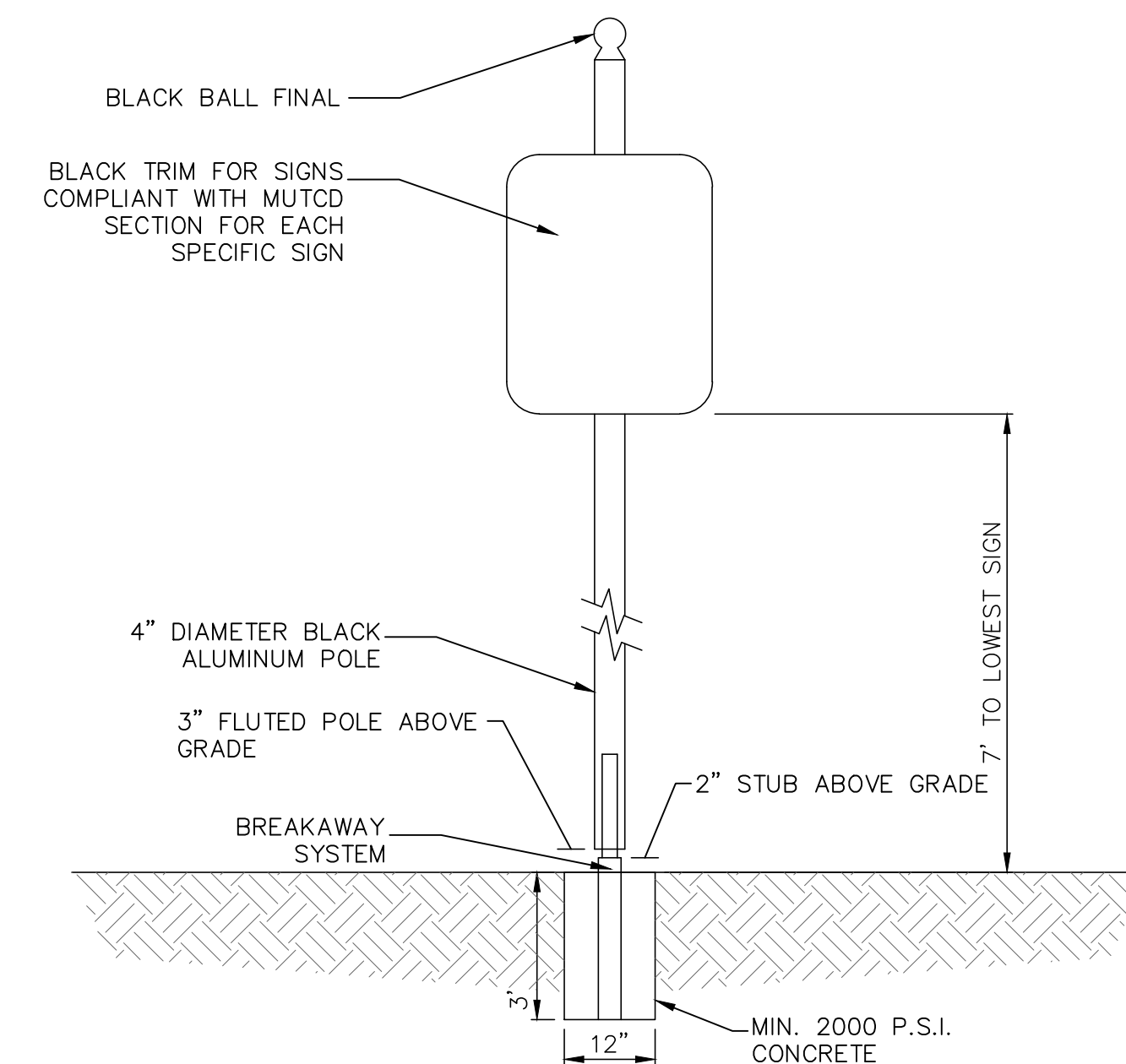
- INSTALL NEW DEPRESSED CONCRETE CURB AT ALL DRIVEWAY LOCATIONS AFTER PAVEMENT MILLING IS COMPLETED AND BEFORE RESURFACING.
- EXISTING ASPHALT DRIVEWAY TO BE NEATLY SAW CUT BEHIND APRON WITH ADEQUATE WIDTH TO ALLOW FOR PROPER RESTORATION WITH A SMOOTH TRANSITION, INCLUDING THE SUPPLY, PLACEMENT, AND COMPACTION OF MATERIALS NECESSARY FOR RESTORATION. JOINTS TO BE SEALED WITH RUBBERIZED ASPHALT JOINT SEALANT PER PENNDOT 469.

GENERAL CURB CONSTRUCTION NOTES:

- CONSTRUCT ALL CURBING IN ACCORDANCE WITH CONCRETE CURB DETAIL.
- NEW TOP OF ALL CURB ELEVATIONS SHALL MATCH EXISTING TOP OF CURB ELEVATIONS.
- CURVED SECTIONS OF ALL NEW CONCRETE CURBING SHALL BE FORMED WITH A SMOOTH CURVE OF THE SPECIFIED RADIUS.
- CONSTRUCT ALL CURB ITEMS USING 4,000 PSI CONCRETE.
- FOR ALL TYPES OF CURBING, CONNECT NEW SECTIONS OF CURBING TO EXISTING SECTIONS OF CURBING USING STEEL DOWELS ILLUSTRATED AND SPECIFIED FOR PLAIN CONCRETE CURBING.

DEPRESSED CONCRETE CURB AND DRIVEWAY RESTORATION DETAIL

NOT TO SCALE

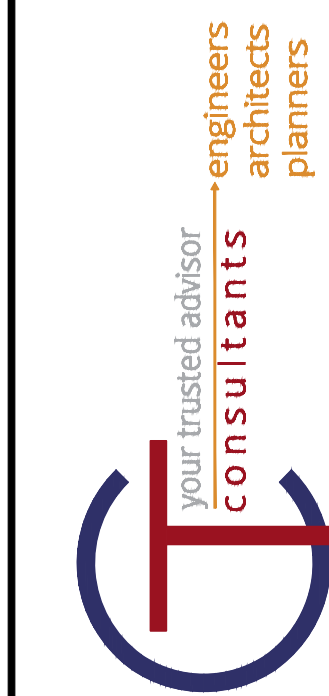
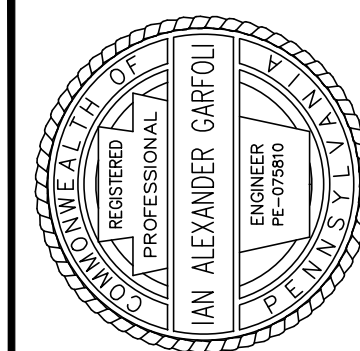


NOTES:

- ILLUSTRATED SIGN POST, SHALL BE TRIM AND SIGNS DESIGNED AND MANUFACTURED BY BRANDON INDUSTRIES, INC. PH(972)-542-3000 OR APPROVED EQUAL.
- ALL NEW SIGN POSTS, DECORATIVE TRIM, AND SIGNS SHALL COMPLY WITH CITY REGULATIONS.
- SEE SIGNAGE PLAN ON SHEET 30 FOR ALL PROPOSED SIGNS.

SIGN PLACEMENT DETAIL

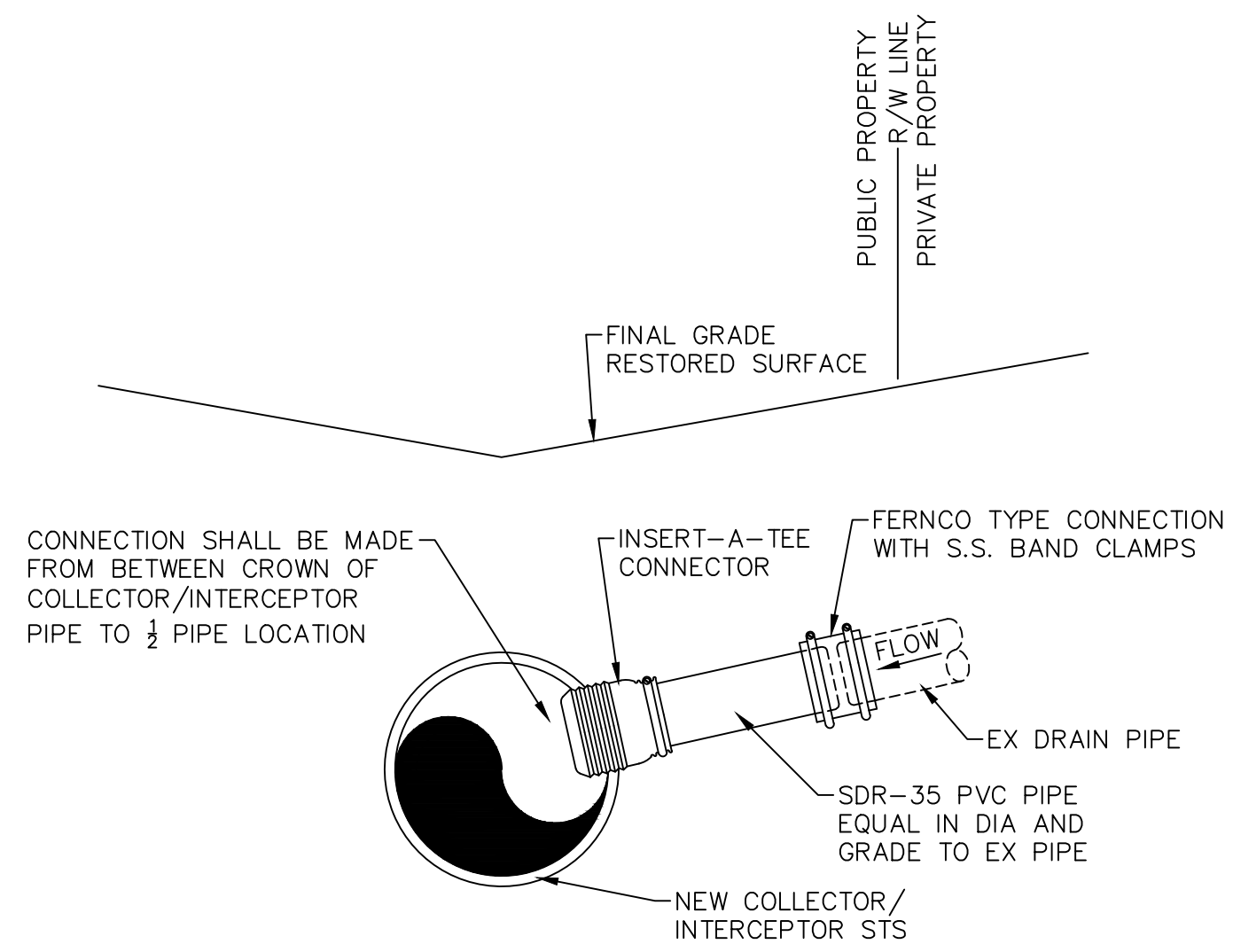
NOT TO SCALE



ISSUED FOR:	BID SET	NO	REVISION	DATE
1/20/2020	AS SHOWN			
DESIGNED BY:	JES			
DRAWN BY:	JES / SAS			
CHECKED BY:	IAG			

CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
CONSTRUCTION DETAILS

PROJECT NO.	180302
DISCIPLINE	CIVIL
SHEET NAME	CD-1
SHEET	20
OF	23

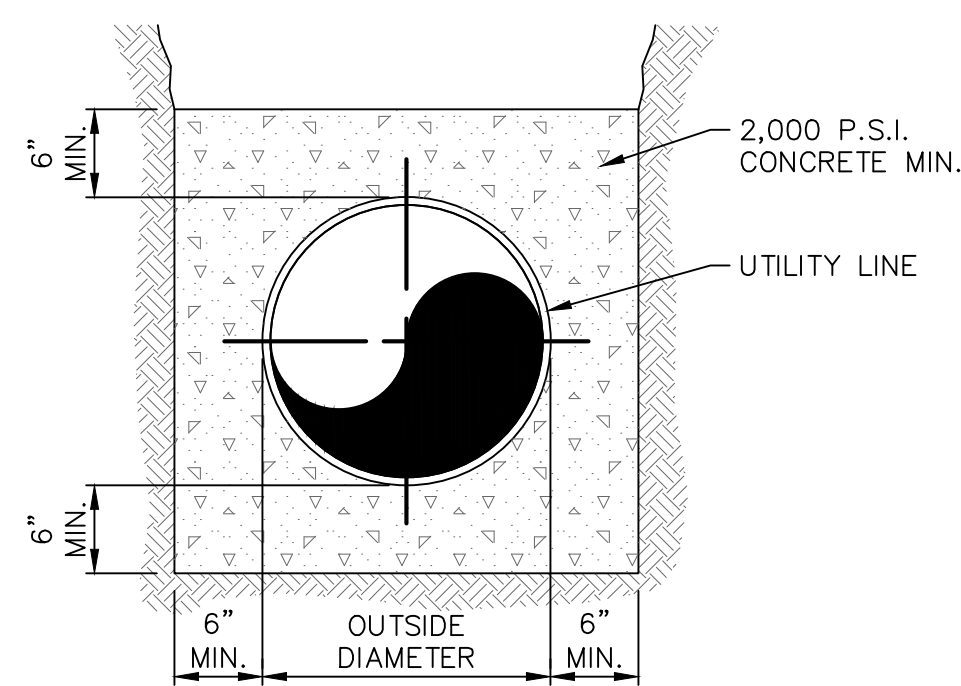


NOTES:

1. BED AND BACKFILL NEW DRAIN PIPE AND CONNECTION AND RESTORE SURFACE PER TRENCH BACKFILL DETAIL.
2. CONNECTION WORK TO BE CONTAINED WITHIN EX PUBLIC R/W.
3. OWNER/ENGINEER WILL INSPECT DRAIN PIPE ENCOUNTERED AND EXPOSED BY THE CONTRACTOR. CONTRACTOR WILL CONNECT DRAIN LINES APPROVED TO BE CONNECTED BY OWNER/ENGINEER.

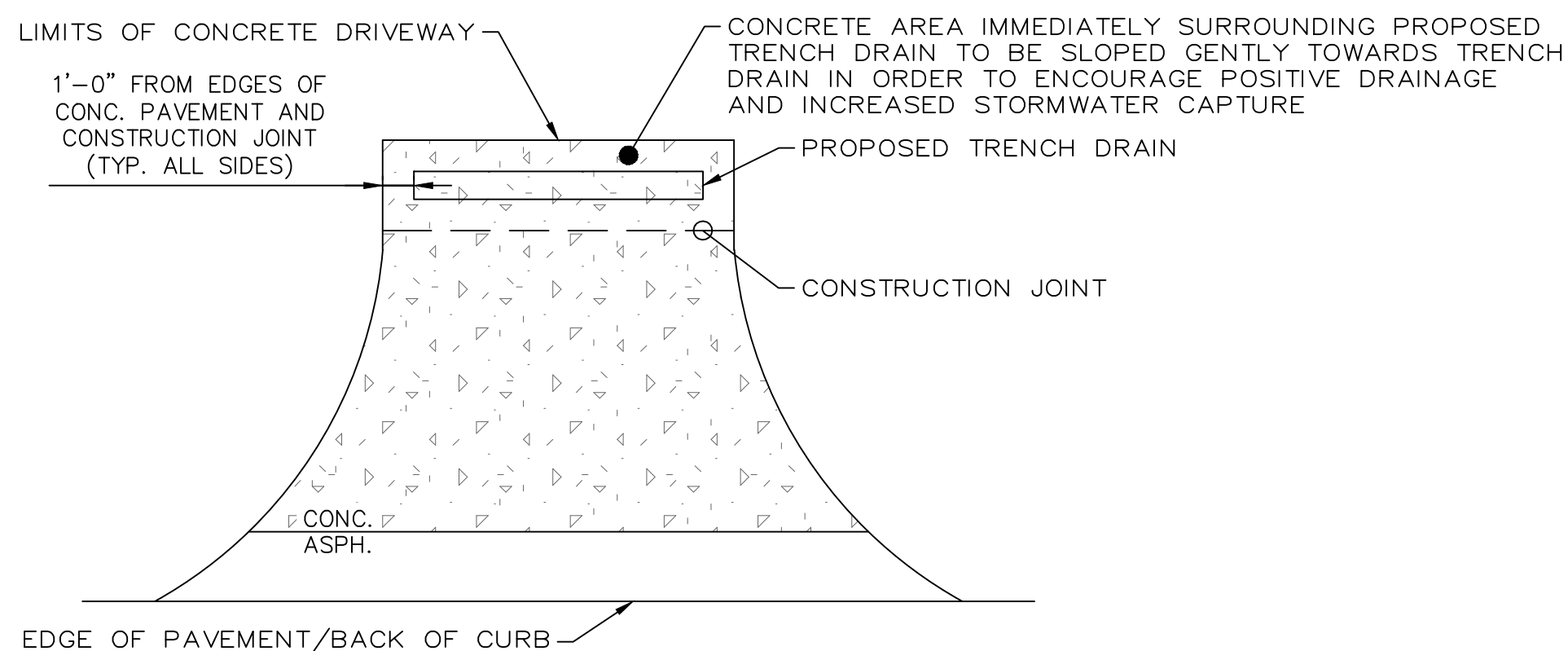
DRAIN PIPE CONNECTION DETAIL

NOT TO SCALE



TYPICAL PIPE ENCASEMENT

NOT TO SCALE

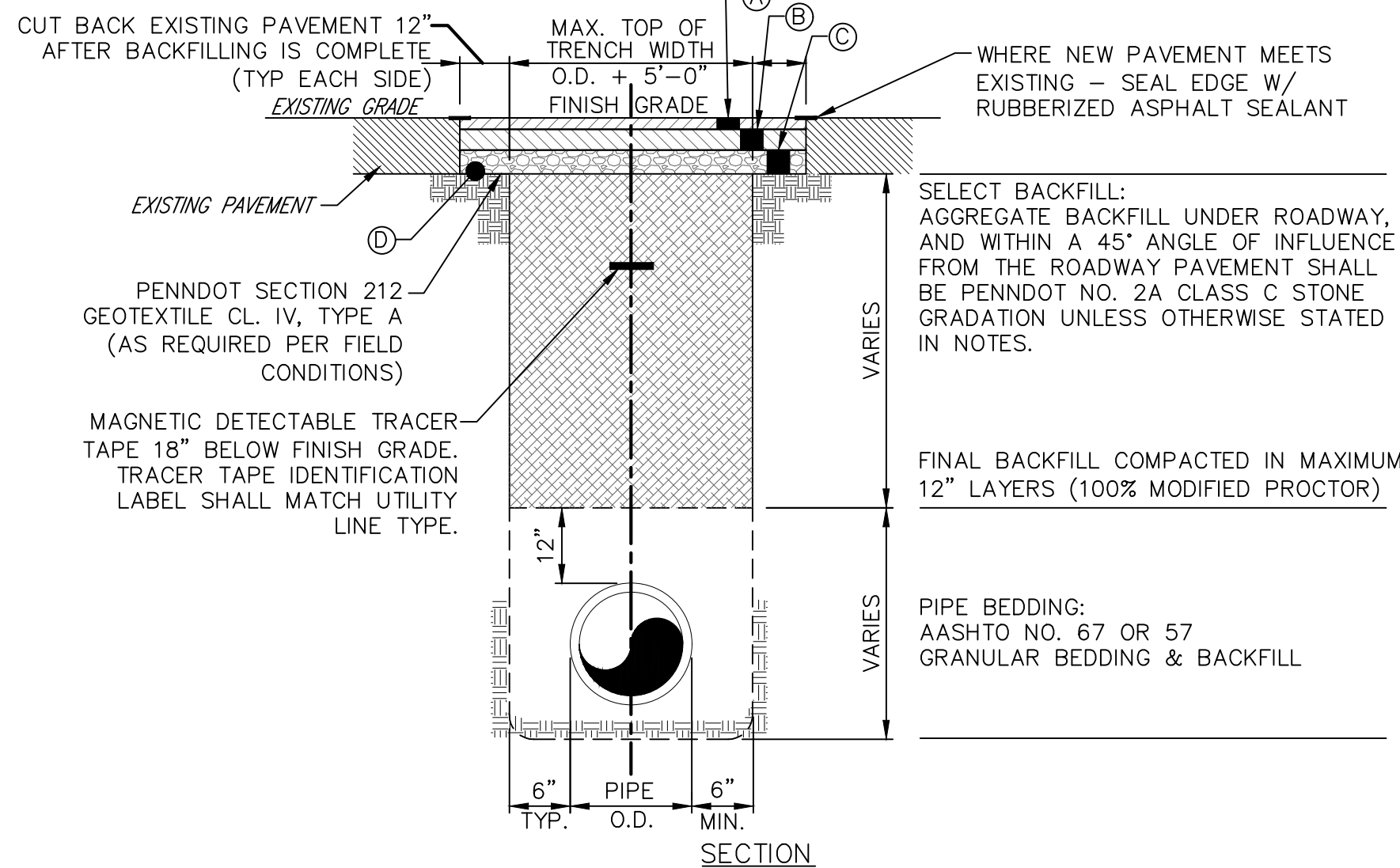


NOTES:

1. TRENCH DRAIN SHALL BE 4" WIDTH NDS DURA SLOPE WITH A DEPTH OF 6", OR APPROVED SUBSTITUTE. TRENCH DRAIN SHALL BE INSTALLED WITH A HEEL-SAFE, ADA-COMPLIANT METAL GRATE
2. TRENCH DRAIN TO BE CONNECTED TO NEAREST CATCH BASIN WITH 4" DIA. HDPE PIPE AT A 1% MIN. SLOPE

TRENCH DRAIN PLACEMENT AND INSTALLATION DETAIL

NOT TO SCALE



APPROVED BEDDING & BACKFILL:

1. SLAG NOT PERMITTED AS BEDDING OR BACKFILL IN ANY TRENCH.
2. 6" MIN SIDE BEDDING.
3. COMPACTED BACKFILL LAYERS SHALL CONFORM TO PENNDOT PUB 408. A MAXIMUM LIFT OF 8" IF VIBRATORY COMPACTED AND 4" MAXIMUM LIFT IF BY HAND OR MECHANICAL TAMPER.

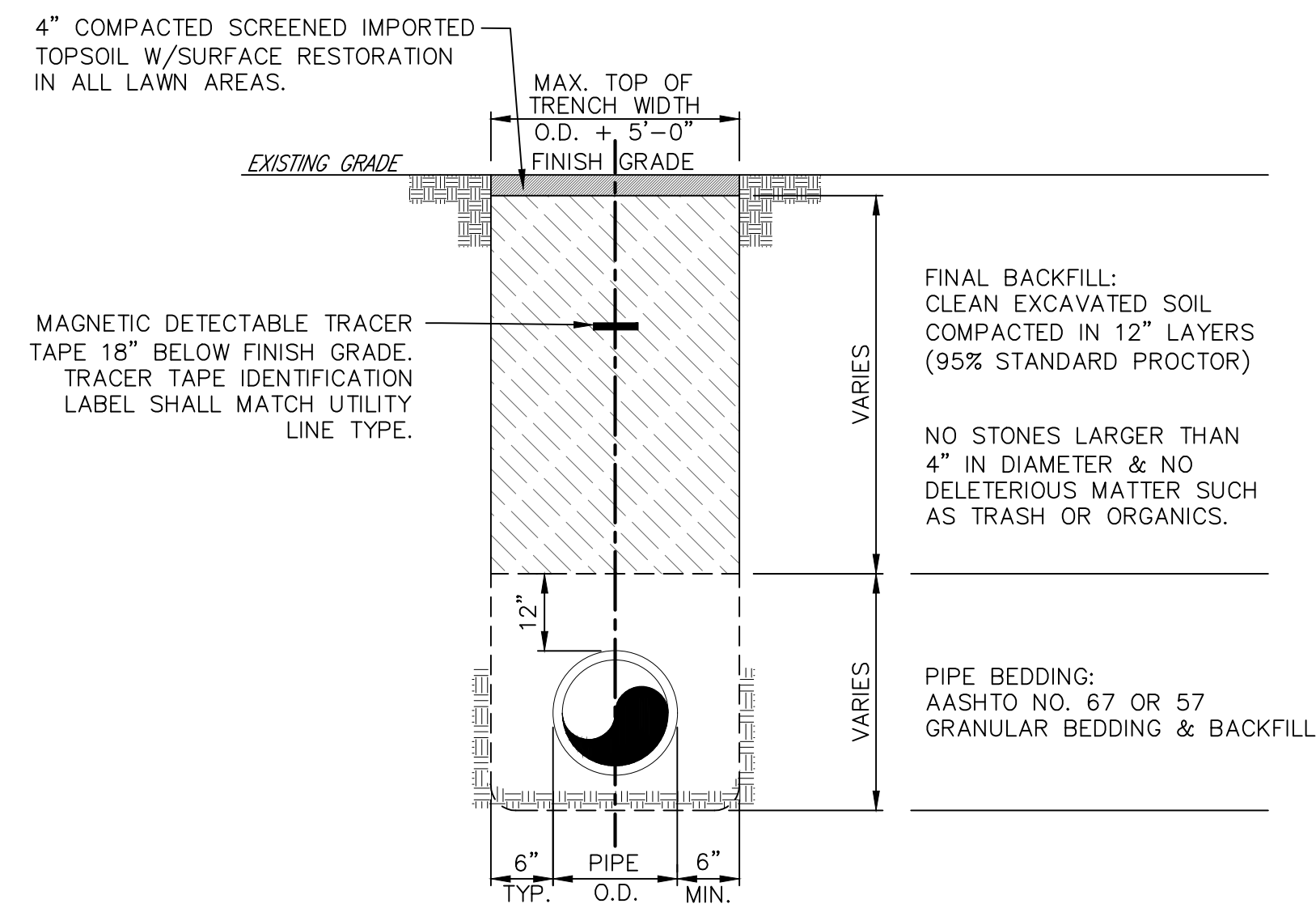
SPECIFICATION NOTES:

SUPERPAVE ASPHALT MIX DESIGN:
HMA WEARING COURSE PG64-22, 0.3 TO 3.0 MILLION SEALS, 1 1/2" DEPTH, 9.5MM MIX, SRL-L
HMA BINDER COURSE PG64-22, 0.3 TO 3.0 MILLION SEALS, 4" DEPTH, 19MM MIX

- (1 1/2" MINOR AND/OR 2" MAJOR) - PENNDOT SECTION 409 9.5MM SUPERPAVE HMA WEARING COURSE
- (2 1/2" MINOR AND/OR 4" MAJOR) - PENNDOT SECTION 409 19MM SUPERPAVE HMA BINDER COURSE
- 12" MINOR AND/OR 12" MAJOR - PENNDOT SECTION 350, No. 2A SUBBASE MATERIAL COMPACTED 100% STANDARD PROCTOR
- SUBGRADE SHALL BE COMPACTED AND PREPARED ACCORDING TO PENNDOT SECTION 206 & 210
- IF EXISTING PAVEMENT THICKNESS IS GREATER THAN PROPOSED SECTION, CONTRACTOR SHALL MATCH EXISTING PAVEMENT THICKNESS & PROFILE

TRENCH BACKFILL DETAIL PAVED AREAS

NOT TO SCALE

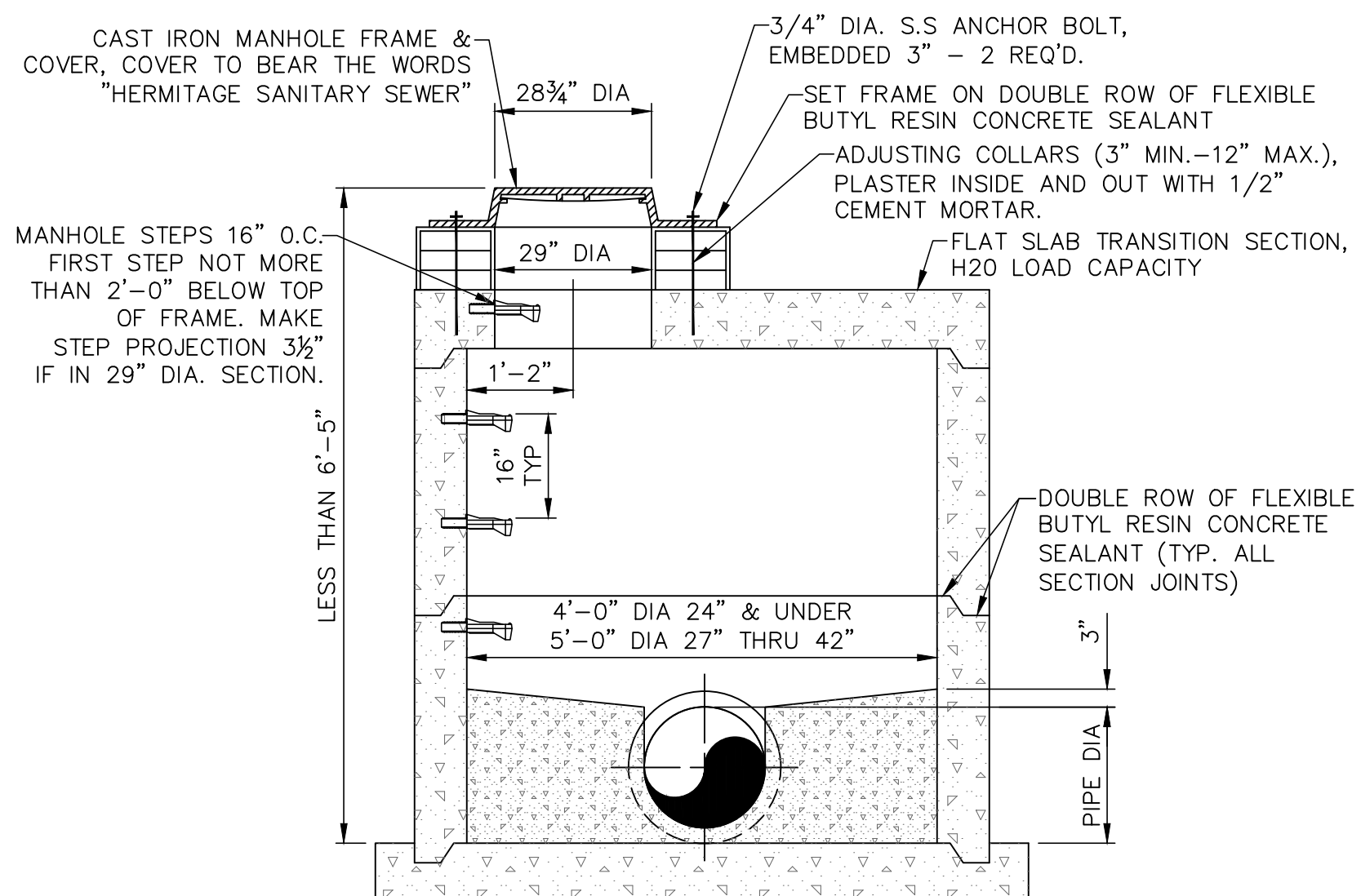


APPROVED BEDDING & BACKFILL:

- SLAG NOT PERMITTED AS BEDDING OR BACKFILL IN ANY TRENCH.
- 6" MIN SIDE BEDDING.
- COMPACTED BACKFILL LAYERS SHALL CONFORM TO PENNDOT PUB 408. A MAXIMUM LIFT OF 8" IF VIBRATORY COMPACTED AND 4" MAXIMUM LIFT IF BY HAND OR MECHANICAL TAMPER.
- SELECT BACKFILL TO BE USED WITHIN A 45° OF INFLUENCE FROM THE ROADWAY PAVEMENT.

TRENCH BACKFILL DETAIL UNPAVED AREAS

NOT TO SCALE

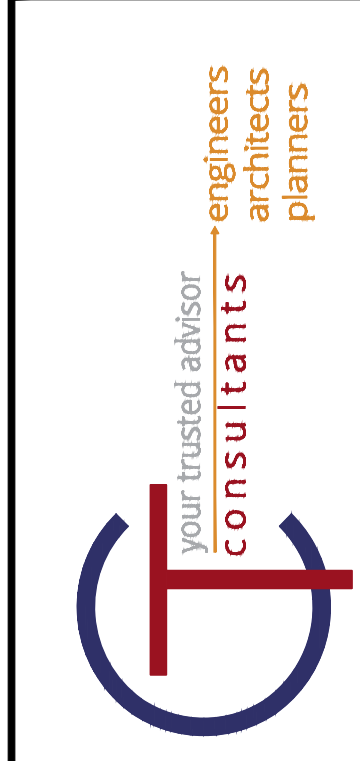
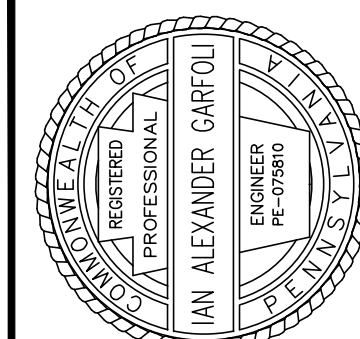


STANDARD SHALLOW PRECAST SANITARY SEWER MANHOLE DETAIL

NOT TO SCALE

SANITARY SEWER NOTES:

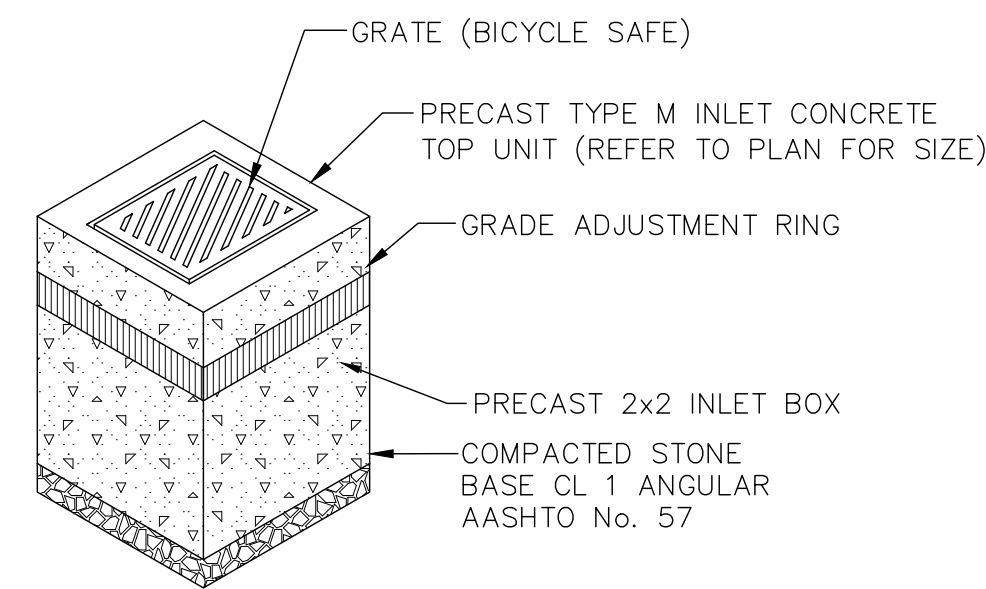
1. EXCEPT AS NOTED ALL MANHOLE FRAMES AND COVERS SHALL BE EAST JORDAN IRON WORKS FRAME PATTERN AND COVER PATTERN No. 1890Z1 OR NEENAH FOUNDRY FRAME AND COVER PATTERN No. R-1753-A. WATERTIGHT MANHOLES DESIGNATED AS "WT" ON THE DRAWINGS SHALL BE EAST JORDAN IRON WORKS No. 1893 DOUBLE COVER FROST PROOF ASSEMBLY OR NEENAH PATTERN NO. R-1755-F2.
2. THE LATEST REVISIONS OF A.S.T.M. DESIGNATION C-478; ALL PRECAST CONCRETE SECTIONS SHALL BE MANUFACTURED AND FURNISHED AS SOLID SECTION WITHOUT LIFT HOLES OF ANY KIND.
3. MANHOLE CONCRETE WATERPROOFING - ALL MANHOLES SHALL BE PRECAST WITH A CRYSTALLINE CONCRETE WATERPROOFING/PROTECTION ADMIXTURE CONFORMING TO ASTM C-266, ASTM C-856, ASTM C-39 BS 1881, AND ASTM C-666. (I.E. XYPEX)
4. INTERIOR - THOROSEAL INSIDE OF SANITARY MANHOLES ONLY, FULL DEPTH. (ANY COLOR BUT GRAY). ALL JOINTS AND CONNECTIONS TO BE WATER PLUGGED.
EXTERIOR - 16 MIL. COAL TAR EPOXY EXTERIOR COATING.
5. EXTERIOR JOINT - ALL EXTERIOR MANHOLE JOINTS SHALL BE SEALED WITH 24" WIDE POLYOLEFIN BACKED WATERTIGHT WRAP ON PROPERLY PRIMED CONCRETE STRUCTURE JOINTS CONFORMING TO ASTM F-1249, ASTM E-154, AND ASTM D-1709. (I.E. CONSEAL)
6. ALL MANHOLE FRAME TOPS SHALL BE ADJUSTED TO MATCH SURROUNDING FINISH GRADE UNLESS OTHERWISE SPECIFIED.
7. ABANDONED MANHOLES - FILL TROUGH & BASE WITH CONCRETE TO 4" ABOVE CROWN OF PIPES. REMOVE CONE SECTION, FRAME AND COVER. BACKFILL WITH PENNDOT No 2A TYPE A OR C STONE COMPACT TO 100% MAX. DENSITY. RESTORE SURFACE OF ROAD OR LAWN CONDITION AS APPROPRIATE FOR LOCATION.
8. WHERE MANHOLE DEPTH IS LESS THAN OR EQUAL TO 15'-0", MANHOLE DIAMETER SHALL BE 48". WHERE MANHOLE DEPTH EXCEEDS 15'-0", MANHOLE DIAMETER SHALL BE 60" AND APPROVED BY AUTHORITY.



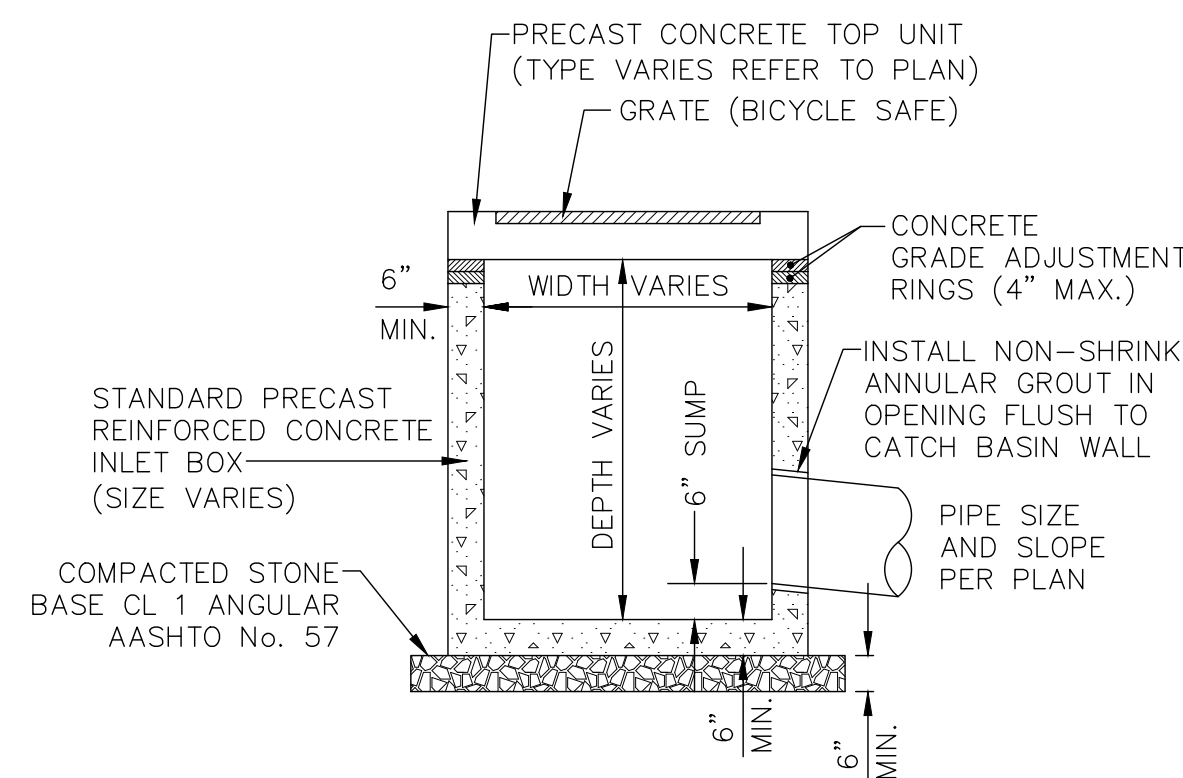
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			1/20/2020	AS SHOWN	1/20/2020	JES	JES/SAS	JES/SAS	IAG

CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
CONSTRUCTION DETAILS

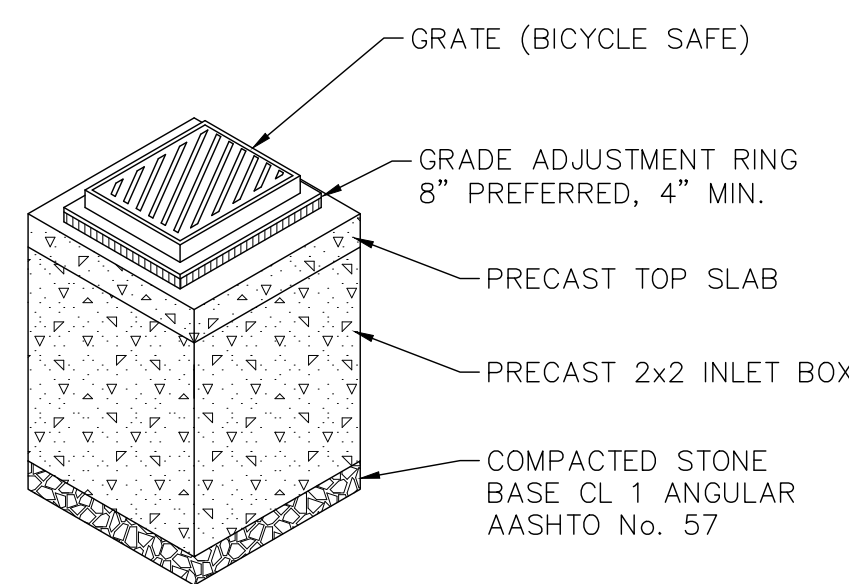
PROJECT NO.	180302
DISCIPLINE	CIVIL
SHEET NAME	CD-2
SHEET	21
OF	23



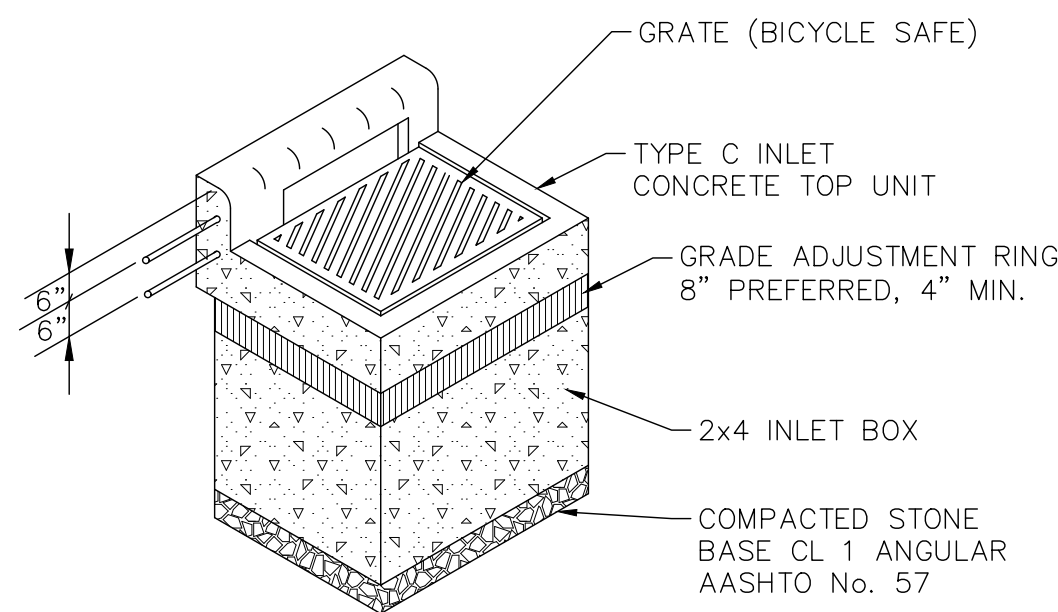
2x2 TYPE M INLET DETAIL
NOT TO SCALE



PRECAST INLET DETAIL
NOT TO SCALE



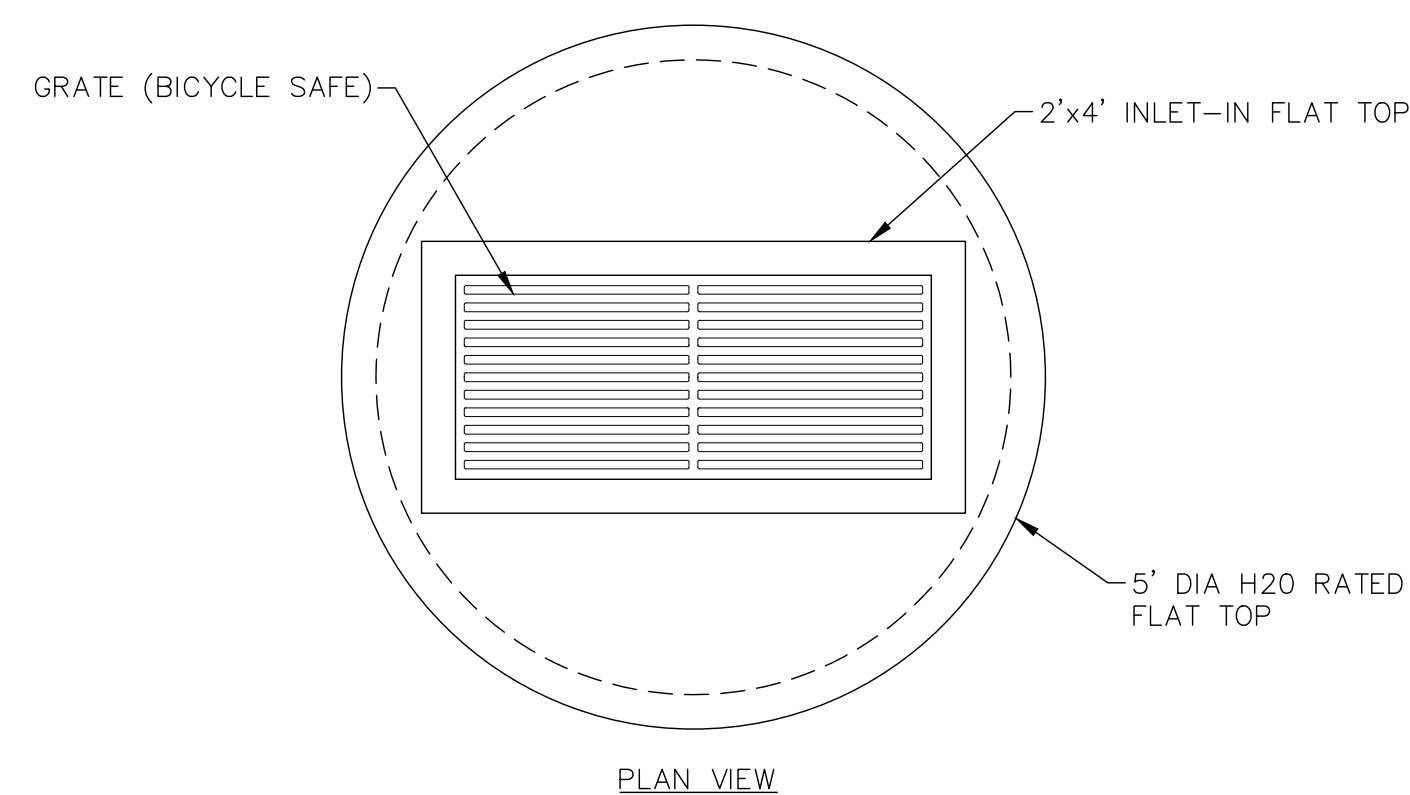
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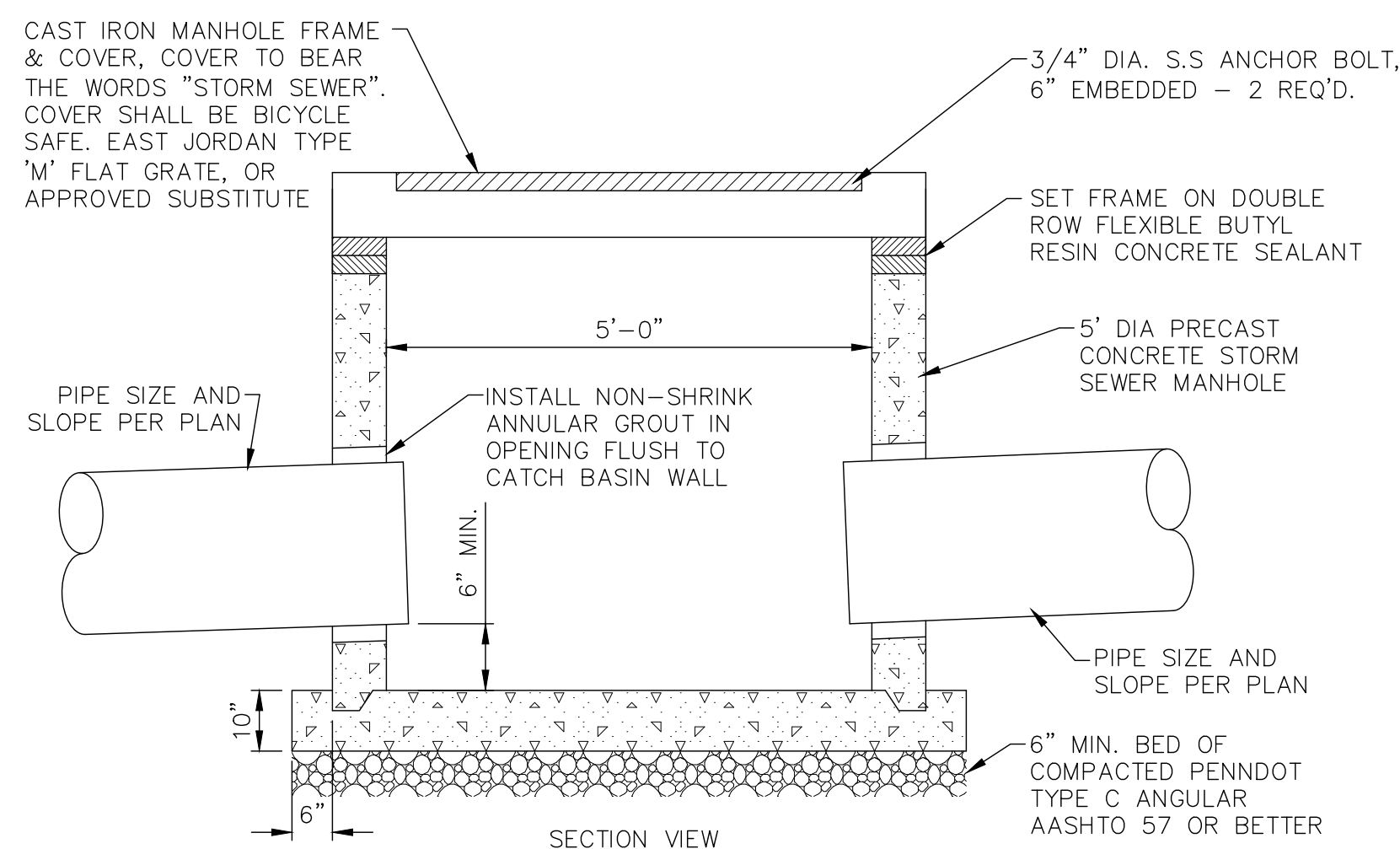
TYPE C INLET DETAIL
NOT TO SCALE

CATCH BASIN GENERAL NOTES:

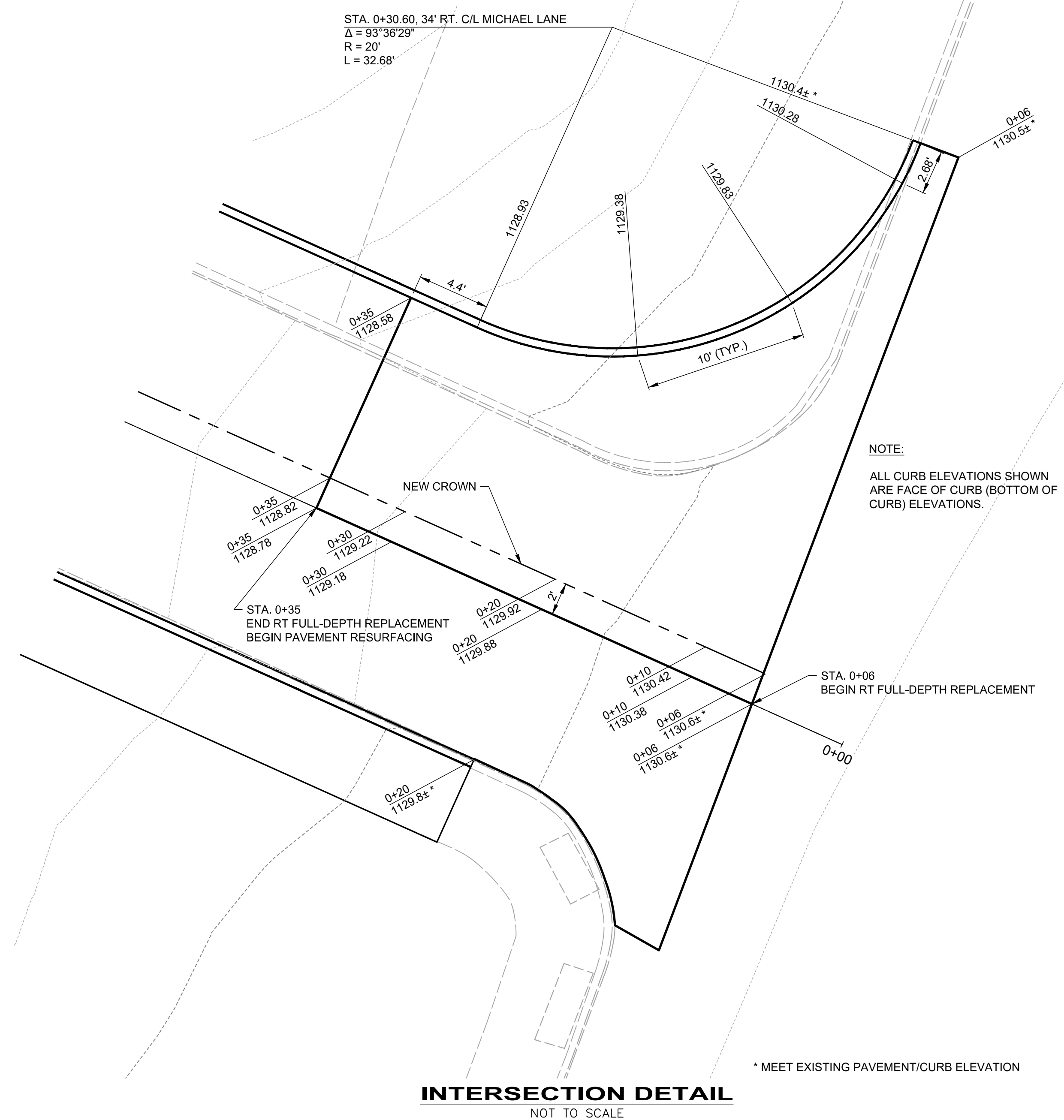
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH PENNDOT PUBLICATION 408, SECTION 605 AND STANDARDS FOR ROADWAY CONSTRUCTION, RC-45 & RC-46, CURRENT EDITION. CONTRACTOR SHALL VERIFY INLET BOX SIZING BASED ON PIPE SIZES AND ALIGNMENT PRIOR TO ORDERING PRECAST STRUCTURES.
2. ALL CONCRETE SHALL BE SEALED WITH POLYSEAL OR APPROVED EQUAL.
3. NO PIPE SHALL ENTER AN INLET BOX AT THE CORNER.
4. ALL BASINS SHALL HAVE MINIMUM 6" DEEP SUMP BENEATH LOWEST PIPE INVERT.



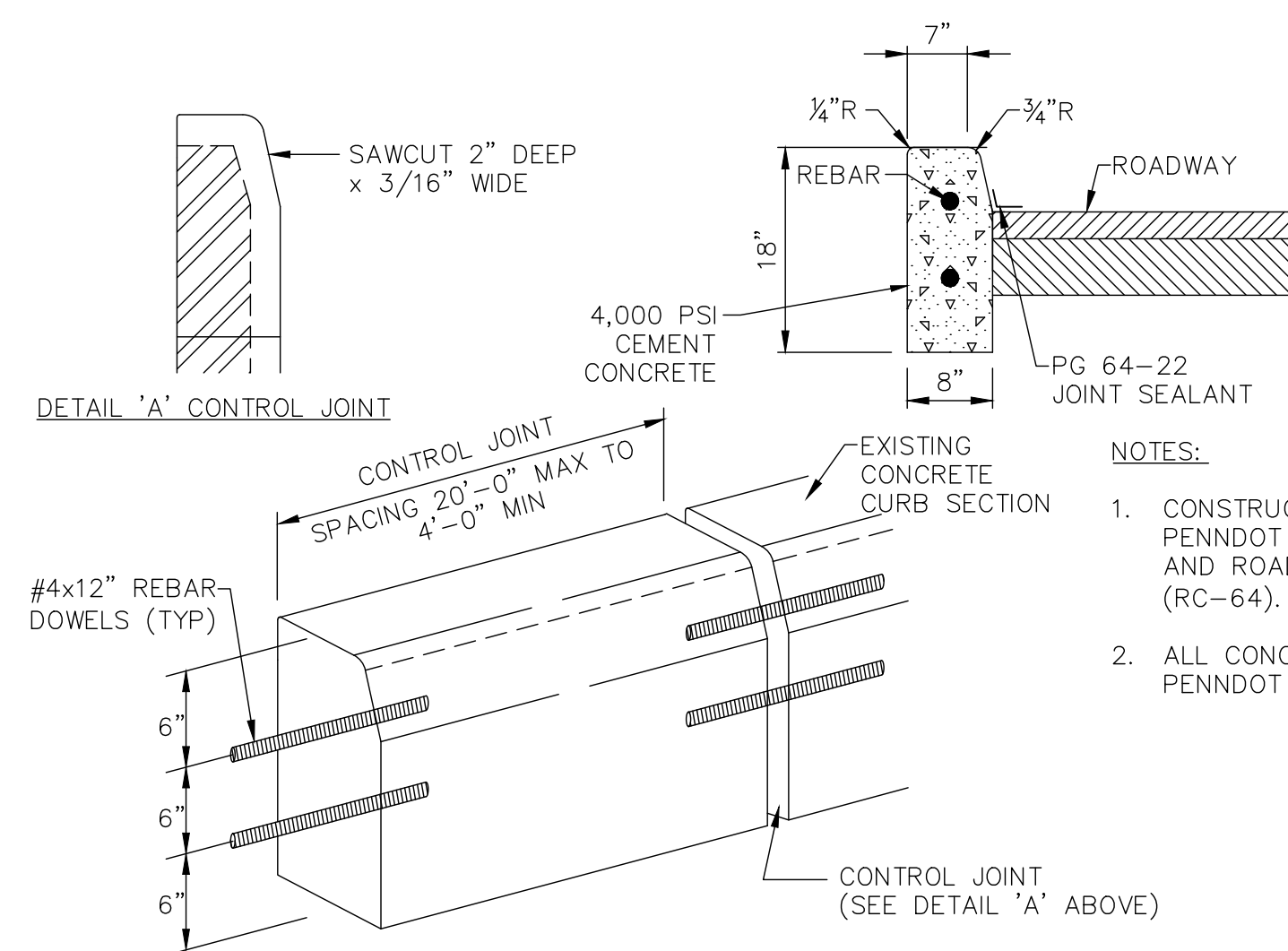
PLAN VIEW



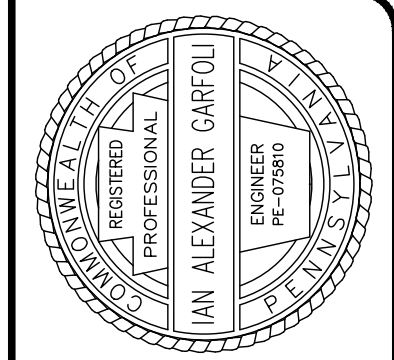
5' DIA STORM SEWER MANHOLE DETAIL
NOT TO SCALE



INTERSECTION DETAIL
NOT TO SCALE



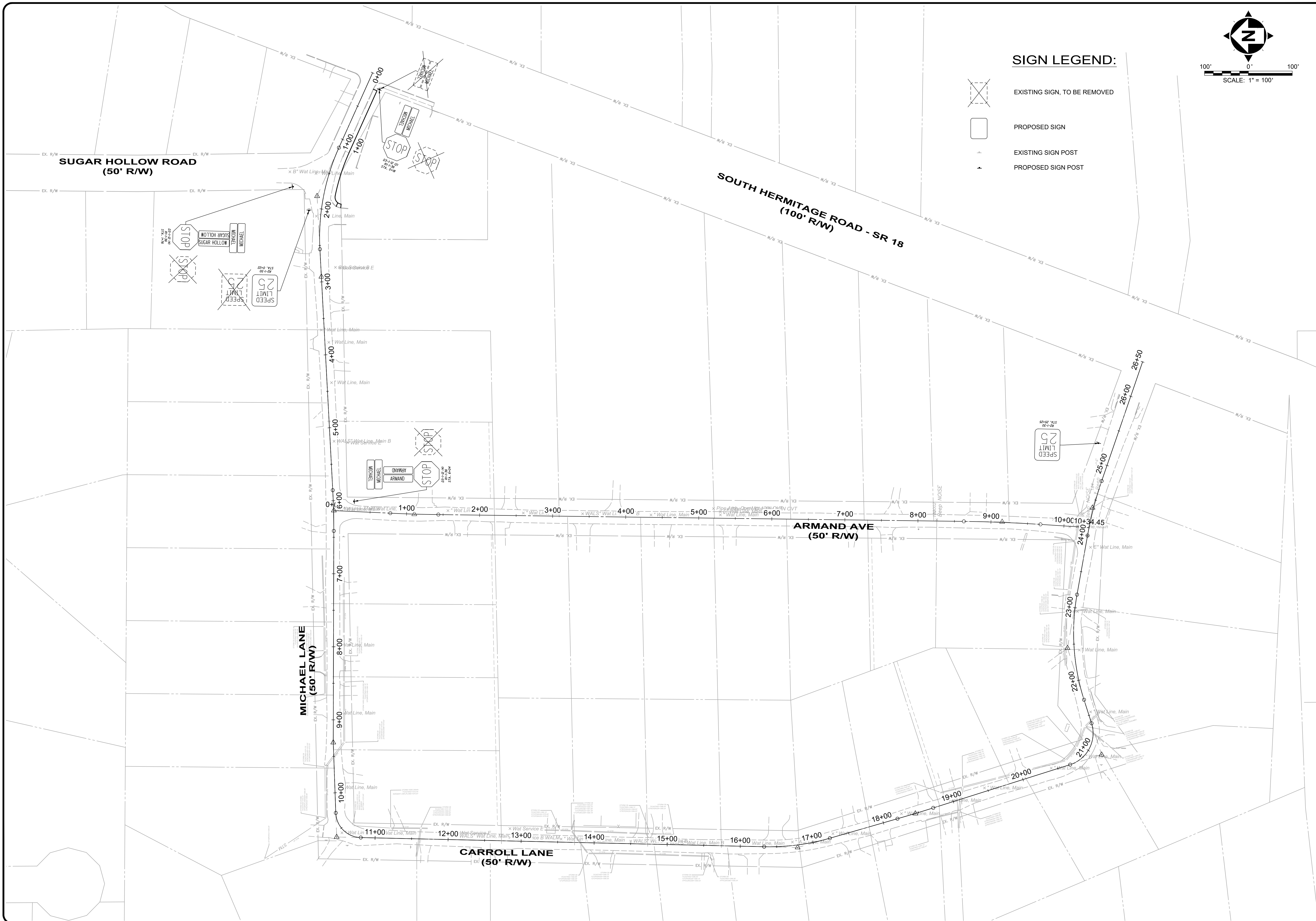
CONCRETE CURB DETAIL
NOT TO SCALE



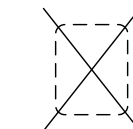
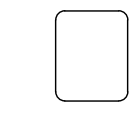


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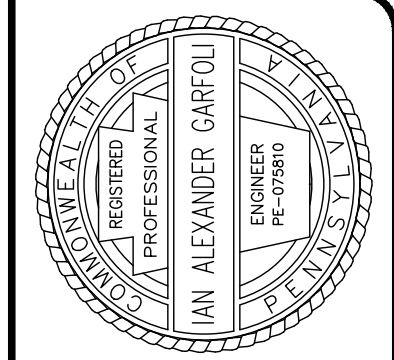
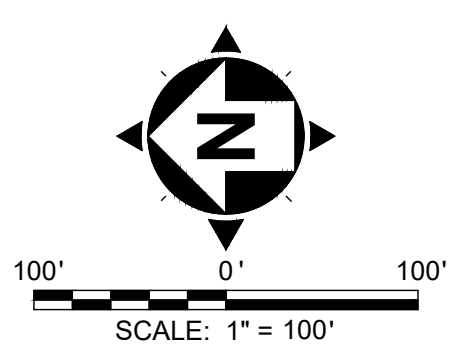
CITY OF HERMITAGE
2020 NEIGHBORHOOD INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
CONSTRUCTION DETAILS

PROJECT NO.	180302
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SHEET NAME	CD-3
SHEET	22
OF	23



SIGN LEGEND:

-  EXISTING SIGN, TO BE REMOVED
-  PROPOSED SIGN
-  EXISTING SIGN POST
-  PROPOSED SIGN POST



ISSUED FOR:	BID SET	NO	REVISION	DATE
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DRAWN BY:	JES / SAS			
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CITY OF HERMITAGE
2020 NEIGHBORHOOD
INVESTMENT PROGRAM
MERCER COUNTY HERMITAGE, PENNSYLVANIA
SIGNAGE PLAN

PROJECT NO.	180302
DISCIPLINE	CIVIL
SHEET NAME	SP
SHEET	23
OF	23