

COMMISSIONERS:

ANTHONY HABERMEHL - CHAIRMAN DALE APPELMAN LOUIE KING EDDIE KERN TIMOTHY SWEENEY DIANA MORAN - OFFICE MANAGER MICHAEL BROTHERS - FIELD MANAGER

AUGUSTA SUPPLY LINE PROJECT CHANGE ORDER #1

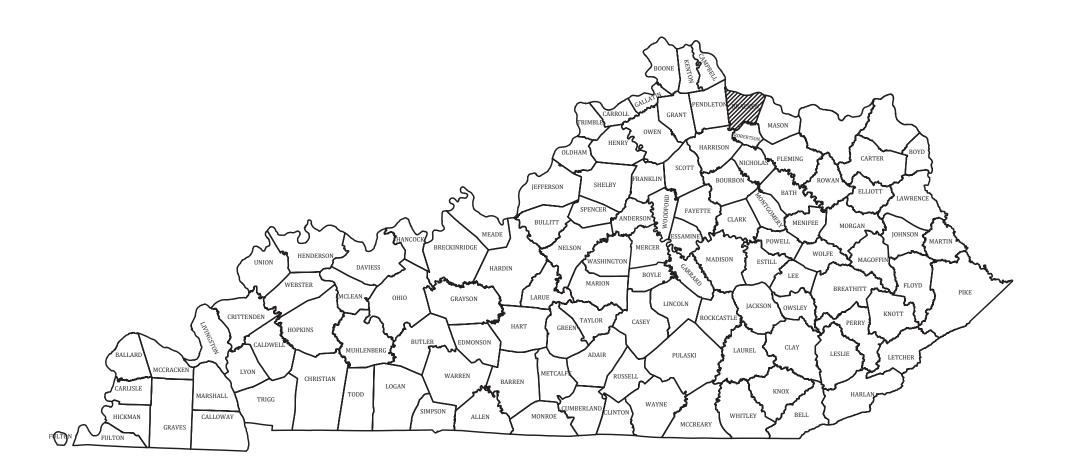
FOR THE **BRACKEN COUNTY WATER DISTRICT**

OCTOBER 2021

PREPARED BY:



222 East Main Street, Ste. 1 · Georgetown, KY 40324



RECORD DRAWINGS

TO THE BEST OF OUR KNOWLEDGE. INFORMATION A E ASSUMED RELIABLE, THE DESIGN PROFESSIONA ANNOT AND DOES NOT WARRANT THEIR ACCURACY

Y: BLUEGRASS ENGINEERING, PLLC

PROJECT NO. 19025

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RACTOR SHALL MAINTAIN A CURRENT SET OF CONSTRUCTION PLANS ON THE JOB SITE DURING	THE THE
	THE OR R ALL F
TRUCTION AND INSTALLATION OF MATERIALS BEING USED SHALL BE IN CONFORMANCE WITH THE D SPECIFICATIONS. SUBSTITUTIONS AND DEVIATION SHALL BE PERMITTED ONLY WHEN WRITTEN L HAS BEEN ISSUED BY THE ENGINEER.	
INISTALLATION	NAL C
UN JTILITIES HAVE BEEN SHOWN IN THEIR APPROXIMATE LOCATION. CONTRACTOR SHALL BE BLE FOR LOCATING ALL UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH A MANUAL WHEN WORKING NEAR EXISTING UTILITIES	NLESS <u>KEP</u> NGE ATER HALL
RACTOR SHALL PROTECT ALL UTILITIES AND OTHER IMPROVEMENTS SHOWN ON THESE PLANS THER UTILITIES AND OTHER IMPROVEMENTS NOT SHOWN. THE CONTRACTOR SHALL ASSUME ALL BUILTY FOR REPAIRS OF UTILITIES AND OTHER IMPROVEMENTS DAMAGED DURING	DJACE HE TR RENC EASO
	EAN PECIF
TOR SHALL BE RESPONSIBLE FOR THE TEMPORARY REMOVAL/RELOCATION OF TRAILERS, 5, FENCES, TREES, SHRUBS, ETC. AND REPLACEMENT OF SAID ITEMS AFTER CONSTRUCTION 5.	
TOR IS TO COORDINATE WITH THE PROPERTY OWNERS AS TO WHETHER OR NOT TEMPORARY S REQUIRED AND CONSTRUCT IF NECESSARY.	
G SHALL HAVE 30" MINIMUM COVER, 36" MINIMUM COVER W/ IN KYTC R/W.)EF
ET, THE SIDES OF THE TRENCH OR EXCAVATION SHALL BE SUPPORTED BY SUBSTANTIAL , BRACING, SHORING OR THE TRENCH SIDES SLOPED. SLOPING THE SIDES OF THE DITCH WILL BE PERMITTED IN STREETS, ROADS, NARROW RIGHTS-OF-WAY OR OTHER CONSTRICTED AREAS THER WISE SPECIFIED. THE STANDARDS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH	ALL CON INCI ALL RIGI
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	UNE FRC
NS, DETAILS AND REINFORCEMENT MAY VARY WITH MANUFACTURER'S RECOMMENDATIONS. TOR SHALL OBTAIN AND MAINTAIN ON SITE, APPROVED SHOP DRAWINGS PRIOR TO BEGINNING CTION.	UNE BE I CAS
S & HYDRANTS SHALL BE LOCATED AT THE BACKSIDE OF THE DITCHLINE.	UNE ASF PEF
ATION OF SERVICES, VALVES, & HYDRANT ORIENTATION ARE TO BE FIELD LOCATED DURING CTION & APPROVED BY THE ENGINEER.	DIS
EM FOR EXTRA TRENCH DEPTH HAS BEEN SET UP. CONTRACTOR SHALL INCLUDE THE COST OF TONAL DEPTH IN HIS BID PRICE.	UNI PA\
	FIRI RIG
TOR TO DIG/EXPOSE EXISTING WATER MAIN FAR ENOUGH AHEAD OF NEW WATER MAIN CTION TO AVOID DAMAGE TO EXISTING WATER MAIN AND/OR INTERRUPTION OF EXISTING R SERVICES.	
ONS TO EXISTING DISTRIBUTION SYSTEM SHALL BE MADE AS FOLLOWS:	
NNECT TO EXISTING (SIZE) W.M. (WET TAP) - CONTRACTOR SHALL PROVIDE, FURNISH AND TALL ALL FITTINGS, VALVES AND APPURTENANCES TO CONNECT THE PROPOSED WATER MAIN THE EXISTING WATER MAIN UNDER PRESSURE.	
NNECT TO EXISTING (SIZE) W.M CONTRACTOR SHALL PROVIDE, FURNISH AND INSTALL ALL TINGS AND APPURTENANCES TO CONNECT THE PROPOSED WATER MAIN TO THE EXISTING TER MAIN. VALVES ARE A SEPARATE PAY ITEM.	ND
NG WILL BE PERMITTED ON THIS PROJECT	SHT.
	01 02
ASING SHALL BE MINIMUM OF 4" LARGER THAN CARRIER PIPE	03-06

RAL NOTES (CONTINUED)

OF ALL BAC-T RESULTS MUST BE PROVIDED TO THE ENGINEER PRIOR TO RECONNECTS OF ANY

2 AWG INSULATED COPPER LOCATOR WIRE SHALL BE PLACED IN THE TRENCH SIX INCHES ALL PLASTIC LINES. THE INSULATION SHALL BE BLUE FOR WATER. THE WIRE SHALL TAPED TO P OF PIPE AND BE LOOPED INTO ALL VALVE BOXES W/ ENOUGH SLACK TO ALLOW ACCESS TO OPS.

NTRACTOR SHALL BE RESPONSIBLE FOR ANY PLUMBING PERMITS NECESSARY TO RELOCATE ONNECT ANY CUSTOMERS METER SERVICE OR SERVICE LINE. THE CONTRACTOR SHALL OBTAIN RMITS, PAY ALL FEES AND EMPLOY THE NECESSARY LICENSED PLUMBER.

ANUP AND RESTORATION

PECIFICALLY APPROVED BY THE OWNER AND ENGINEER, <u>CLEANUP OF DISTURBED AREAS SHALL</u> URRENT WITH CONSTRUCTION AND RESTORATION EFFORTS BY THE CONTRACTOR INITIATED NO HAN SEVEN (7) DAYS AFTER THE TRENCH EXCAVATION WORK HAS STARTED. ALL EXCAVATED NOT REQUIRED FOR BACKFILLING OF THE TRENCH AND ANY LARGE ROCKS, STONES OR DEBRIS REMOVED FROM THE SITE, AND SHALL NOT BE A BURDEN TO THE PROPERTY OWNER(S) AND/OR PROPERTIES. THE CONTRACTOR MAY WINDROW OR TRACK-IN THE EXCAVATED MATERIAL OVER CH PRIOR TO FINAL CLEANUP TO ALLOW FOR AND TO ASSIST IN THE INITIAL SETTLEMENT OF THE LL DISTURBED AREAS MUST BE SEEDED AT LEAST WITH A TEMPORARY SEED MIX IF FOR SOME HE AREA CANNOT BE PERMANENTLY SEEDED WITHIN TWO (2) WEEKS.

RESTORATION OF ALL DISTURBED AREAS OF KYTC ROADWAY SHALL BE COMPLETED PER KYTC TIONS PRIOR TO SHUTDOWN OF LOCAL ASPHALT PLANTS FOR THE WINTER 2020 YEAR.

RTMENT OF HIGHWAYS - GENERAL NOTES

ECTED KYTC DITCHLINES SHALL REMAIN FREE OF EXCESS SILT OR EROSION AND RUCTED TO THE NORMAL TYPICAL SECTION OF THE ROADWAY WITH A MINIMUM DEPTH OF 18 FROM THE SHOULDER BREAK POINT.

CESSARY STEPS SHALL BE TAKEN TO PREVENT EROSION OR SILTATION OF THE PUBLIC F-WAY, ADJOINING PROPERTY AND WATERWAYS.

_VES TO BE FLUSH W/ EXISTING GRADE.

TER LINE LOCATED WITHIN STATE HIGHWAY R.O.W. SHALL BE CONSTRUCTED OUT AND AROUND D OF ALL EXISTING CULVERTS AND HEADWALLS.

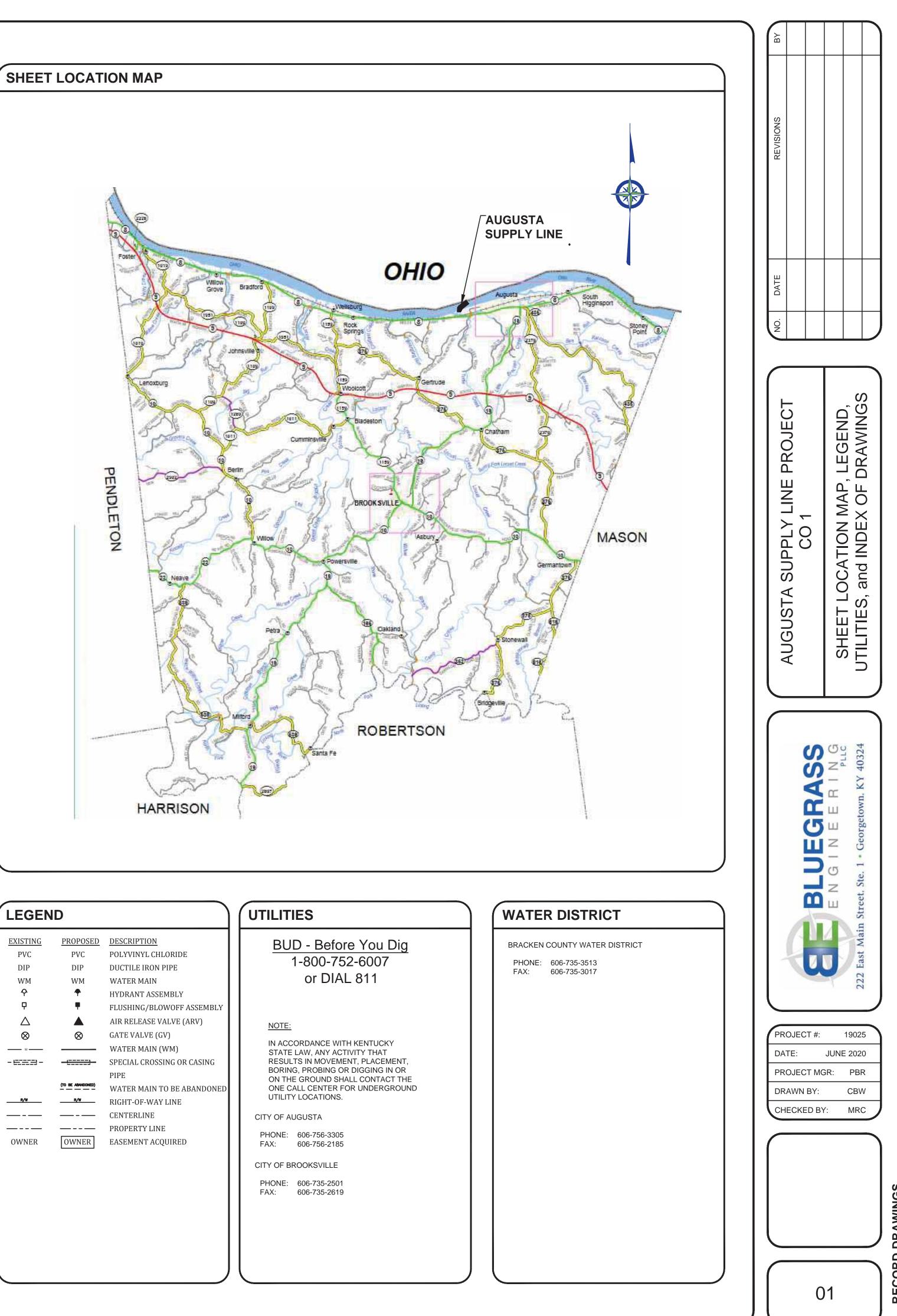
GROUND UTILITIES INSTALLED INSIDE STATE RIGHT-OF-WAY SHALL BE LOCATED WITHIN 3-5 FEET HE EDGE OF THE RIGHT-OF-WAY UNLESS OTHERWISE SHOWN ON THE PLANS.

GROUND UTILITIES SHOWN MORE THAN 5 FEET FROM THE EDGE OF THE RIGHT-OF-WAY SHALL ALLED WITH A MINIMUM DEPTH OF COVER OF 36 INCHES WITH PRIOR APPROVAL ON A CASE BY ASIS.

GROUND UTILITIES CROSSING ANY ENTRANCE OR CROSSROAD PAVED WITH CONCRETE OR SURFACE INSIDE STATE RIGHT-OF-WAY SHALL BE INSTALLED BY BORING UNLESS WRITTEN SION TO OPEN CUT IS OBTAINED FROM THE PROPERTY OWNER AND APPROVED BY THE KYTC T PERMITS ENGINEER.

GROUND UTILITIES SHALL NOT BE INSTALLED IN EMBANKMENT FILLS OR BETWEEN EDGE OF ENT AND DITCHLINE UNLESS SPECIFICALLY NOTED ON PERMITTED PLANS.

DRANTS OR UTILITY SERVICE BOXES SHALL BE LOCATED WITHIN 2 FEET FROM THE EDGE OF DF-WAY LINE, OR OFF RIGHT-OF-WAY.



OF DRAWINGS

NO. COVER

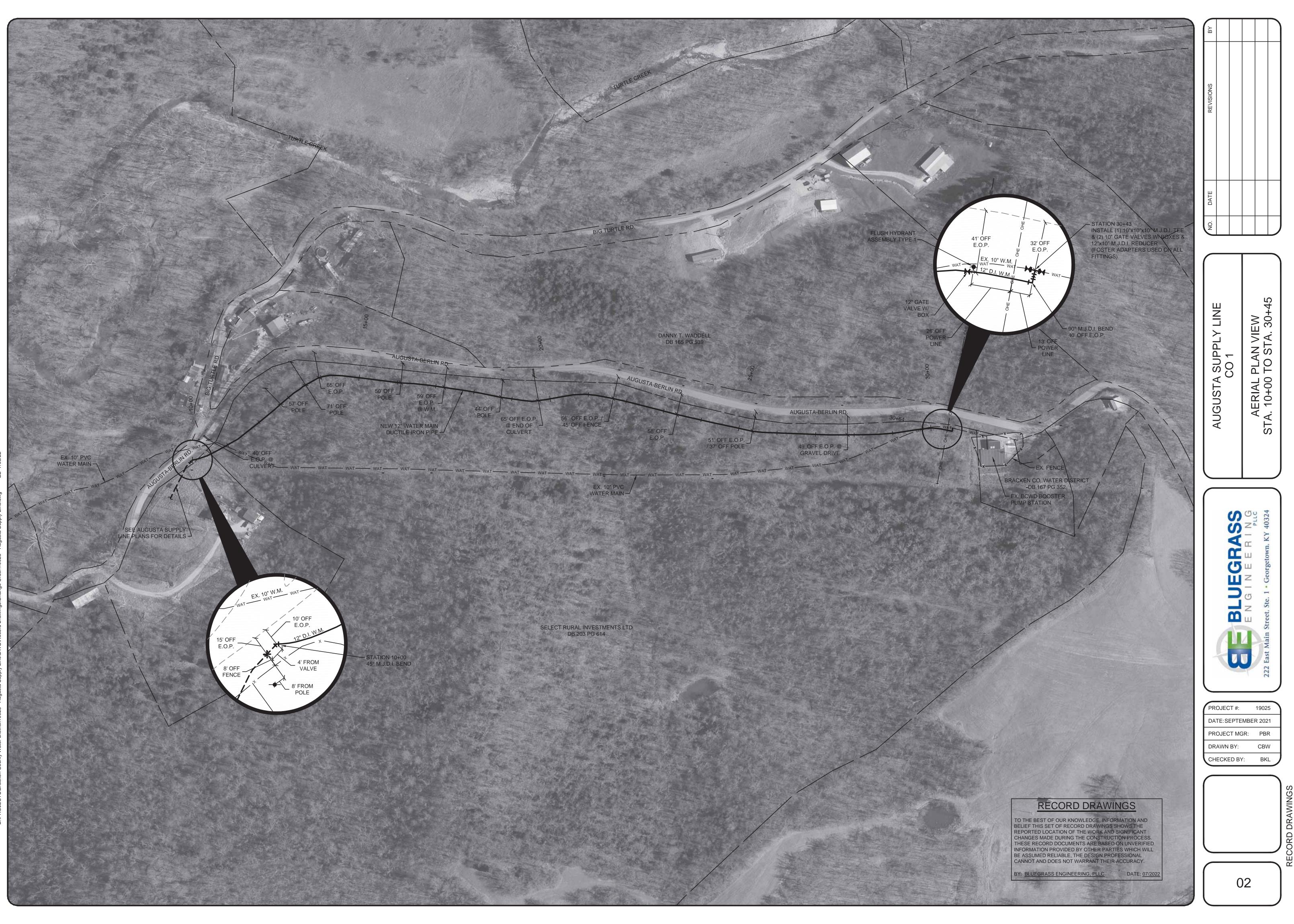
SHEET LOCATION MAP, INDEX OF DRAWINGS, UTILITIES and LEGEND AUGUSTA SUPPLY LINE CO 1 STANDARD DETAILS

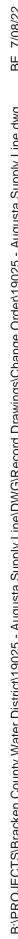
RECORD DRAWINGS

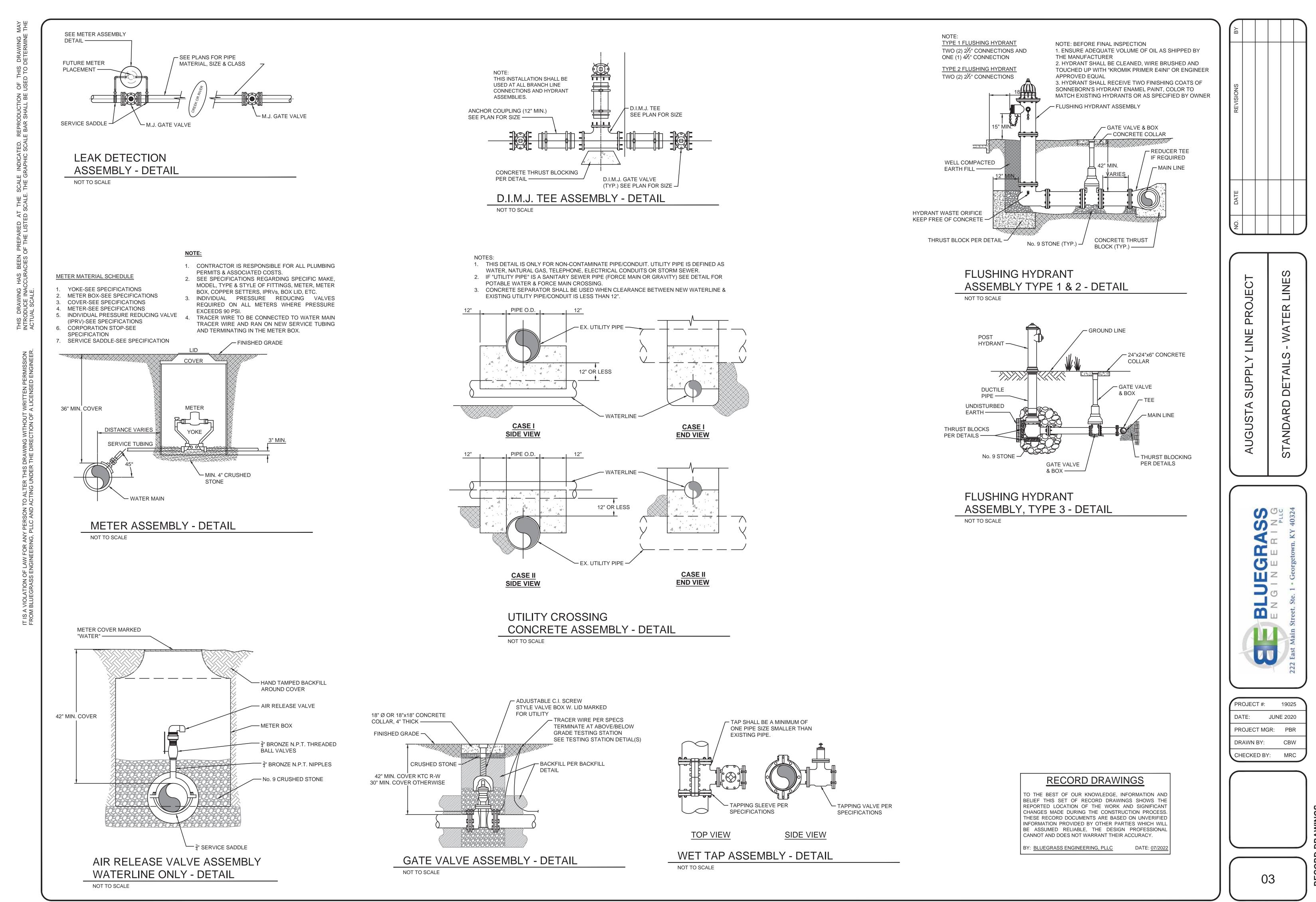
TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF THIS SET OF RECORD DRAWINGS SHOWS THE REPORTED LOCATION OF THE WORK AND SIGNIFICANT CHANGES MADE DURING THE CONSTRUCTION PROCESS. THESE RECORD DOCUMENTS ARE BASED ON UNVERIFIED INFORMATION PROVIDED BY OTHER PARTIES WHICH WILL BE ASSUMED RELIABLE, THE DESIGN PROFESSIONAL CANNOT AND DOES NOT WARRANT THEIR ACCURACY.

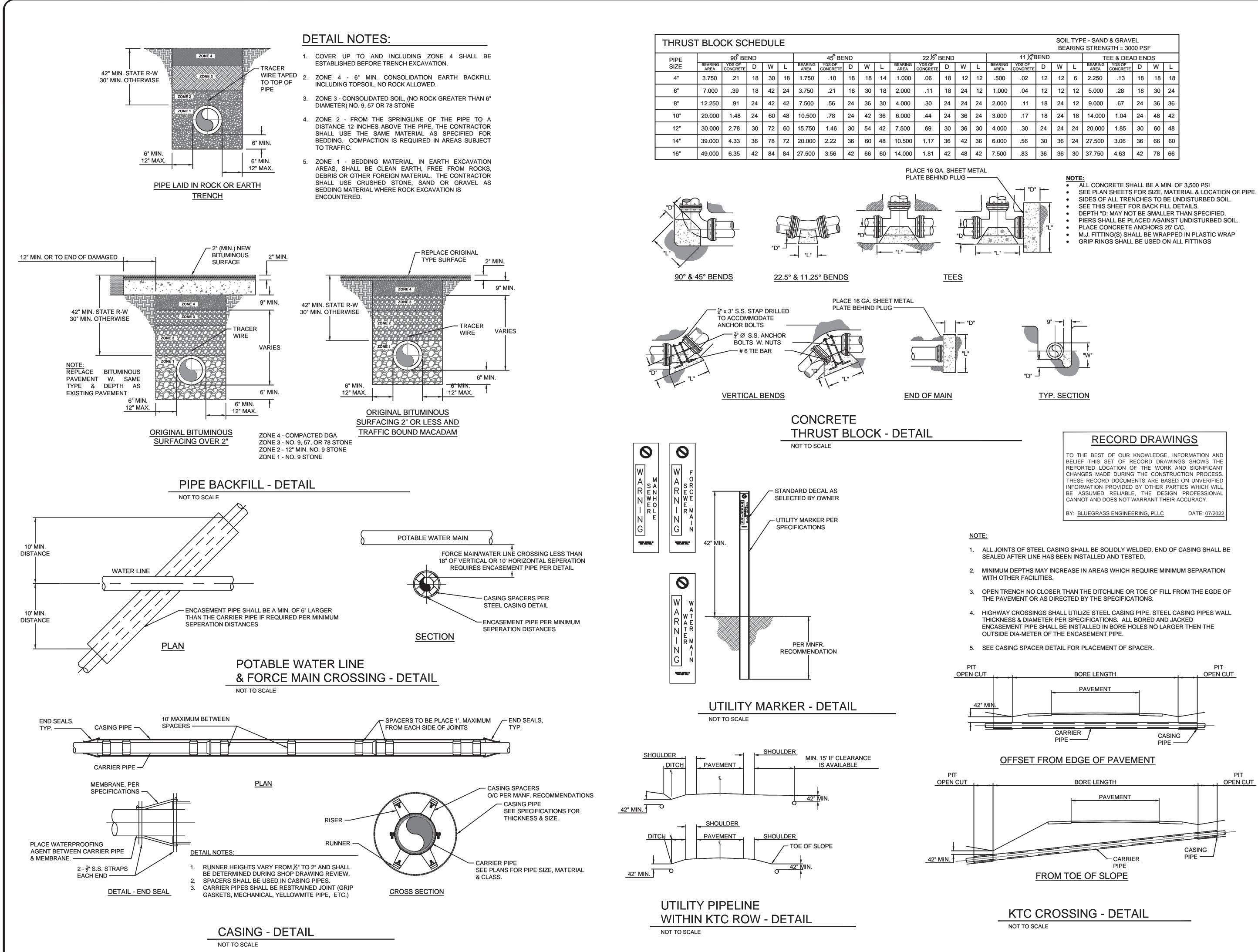
BY: BLUEGRASS ENGINEERING, PLLC DATE: <u>07/2022</u>

PVC PVC POLYVINYL CHLORIDE DIP DIP DUCTILE IRON PIPE WM WM WATER MAIN ◆ • HYDRANT ASSEMBLY □ • FLUSHING/BLOWOFF ASSEMBLY △ ▲ AIR RELEASE VALVE (ARV) ⊗ ⊗ GATE VALVE (GV) ····· ····· SPECIAL CROSSING OR CASING ····· ····· ····· ····· ····· ····· ····· ····· ····· ····· ····· ····· ····· ····· ····· ····· ····· ····· <th>EXISTING</th> <th>PROPOSED</th> <th>DESCRIPTION</th>	EXISTING	PROPOSED	DESCRIPTION
WM WM WATER MAIN ♀ • HYDRANT ASSEMBLY □ • FLUSHING/BLOWOFF ASSEMBLY △ ▲ AIR RELEASE VALVE (ARV) ⊗ ⊗ GATE VALVE (GV) W WATER MAIN (WM) SPECIAL CROSSING OR CASING PIPE (*** *** • •	PVC	PVC	POLYVINYL CHLORIDE
Ŷ Ŷ HYDRANT ASSEMBLY ╿ I FLUSHING/BLOWOFF ASSEMBLY △ ▲ AIR RELEASE VALVE (ARV) ⊗ ⊗ GATE VALVE (GV) ✓ ✓ WATER MAIN (WM) ✓ ✓ SPECIAL CROSSING OR CASING PIPE ✓ WATER MAIN TO BE ABANDONED ✓ KW RIGHT-OF-WAY LINE ✓ ✓ PROPERTY LINE	DIP	DIP	DUCTILE IRON PIPE
□ □	WM	WM	WATER MAIN
▲ AIR RELEASE VALVE (ARV) ⊗ ⊗ W GATE VALVE (GV) WATER MAIN (WM) SPECIAL CROSSING OR CASING PIPE (**** ****** ***** <tr< td=""><td>Ŷ</td><td>•</td><td>HYDRANT ASSEMBLY</td></tr<>	Ŷ	•	HYDRANT ASSEMBLY
Image: Second Control of	P	Ŧ	FLUSHING/BLOWOFF ASSEMBLY
W WATER MAIN (WM) V SPECIAL CROSSING OR CASING PIPE (TO BE ADMONED) WATER MAIN TO BE ABANDONED WATER MAIN TO BE ABANDONED R/W R/W R/W RIGHT-OF-WAY LINE CENTERLINE PROPERTY LINE	\bigtriangleup		AIR RELEASE VALVE (ARV)
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(TO BE ABNOONED) WATER MAIN TO BE ABANDONED	- ===== -		SPECIAL CROSSING OR CASING
WATER MAIN TO BE ABANDONED RIGHT-OF-WAY LINE CENTERLINE PROPERTY LINE			PIPE
CENTERLINE		(TO BE ABANDONED)	WATER MAIN TO BE ABANDONED
PROPERTY LINE	R/W	R/W	RIGHT-OF-WAY LINE
			CENTERLINE
OWNER OWNER EASEMENT ACQUIRED			PROPERTY LINE
	OWNER	OWNER	EASEMENT ACQUIRED

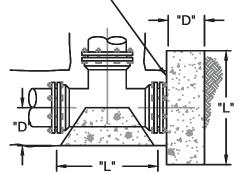


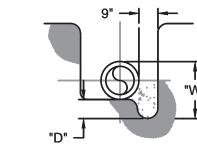




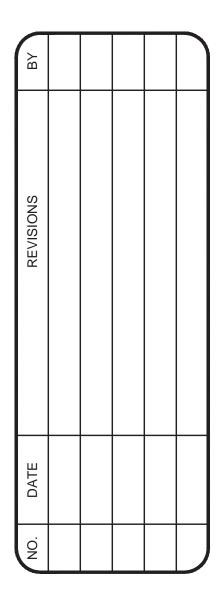


			SOIL TYPE - SAND & GRAVEL BEARING STRENGTH = 3000 PSF									
END				11 1/ 4BEND			TEE & DEAD ENDS					
D	W	L	BEARING AREA	YDS OF CONCRETE	D	W	L	BEARING AREA	YDS OF CONCRETE	D	W	L
18	12	12	.500	.02	12	12	6	2.250	.13	18	18	18
18	24	12	1.000	.04	12	12	12	5.000	.28	18	30	24
24	24	24	2.000	.11	18	24	12	9.000	.67	24	36	36
24	36	24	3.000	.17	18	24	18	14.000	1.04	24	48	42
30	36	30	4.000	.30	24	24	24	20.000	1.85	30	60	48
36	42	36	6.000	.56	30	36	24	27.500	3.06	36	66	60
42	48	42	7.500	.83	36	36	30	37.750	4.63	42	78	66





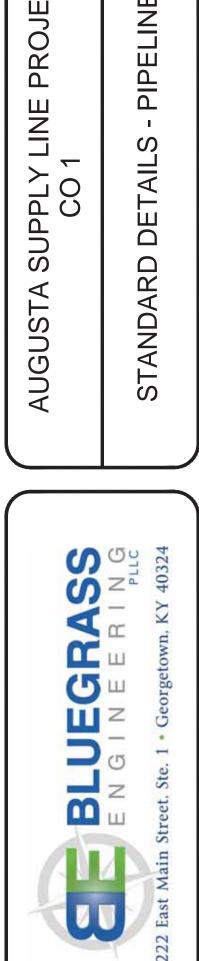


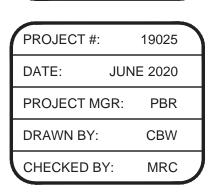


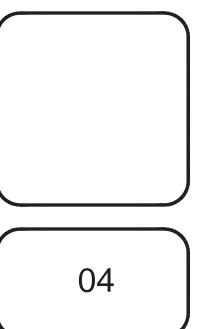
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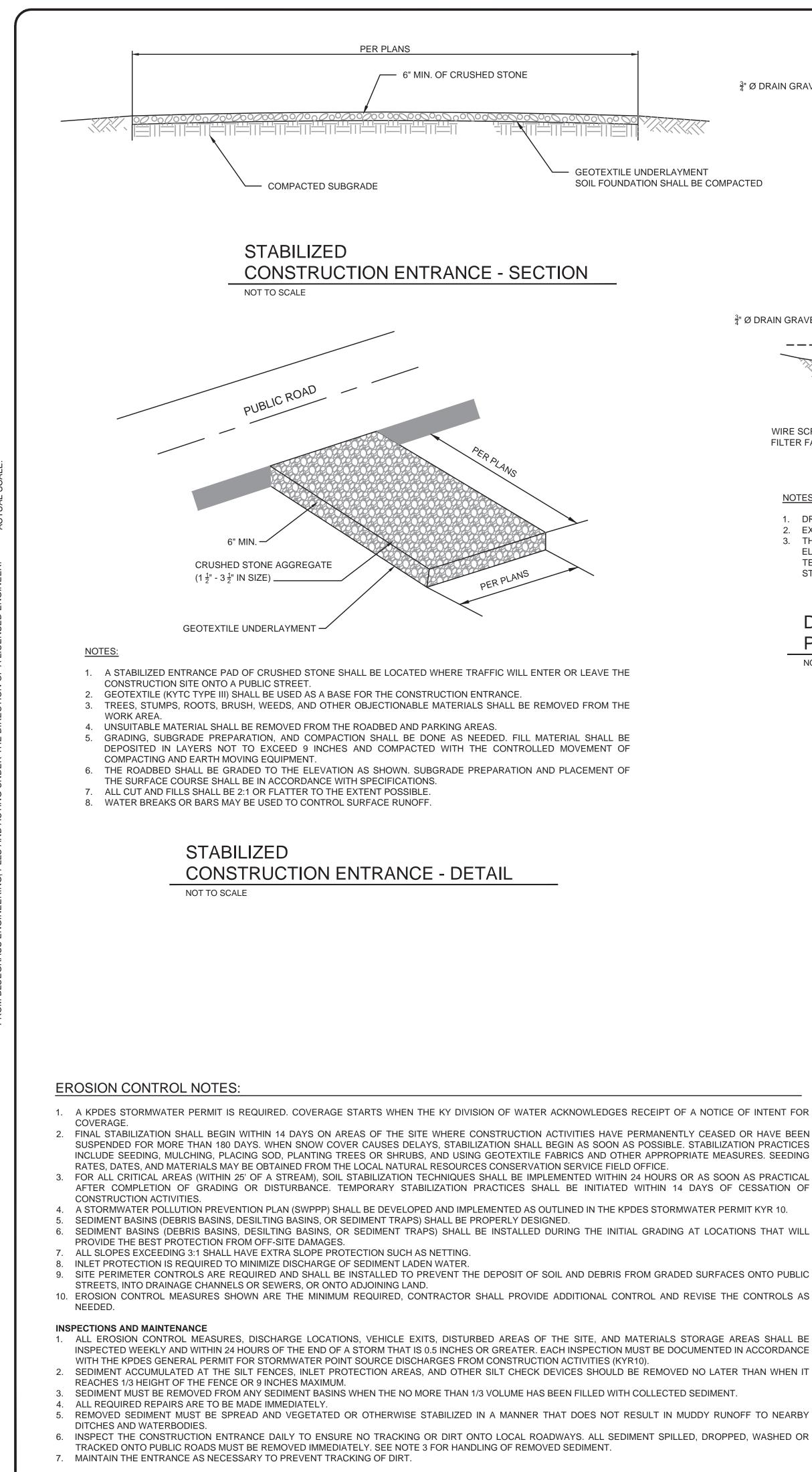
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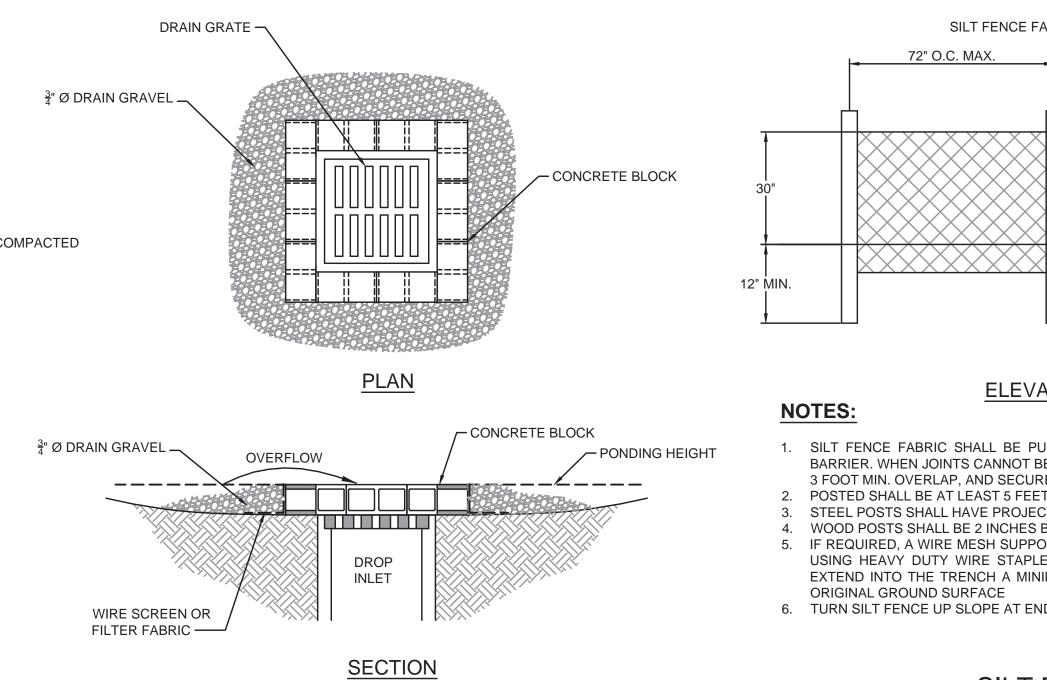
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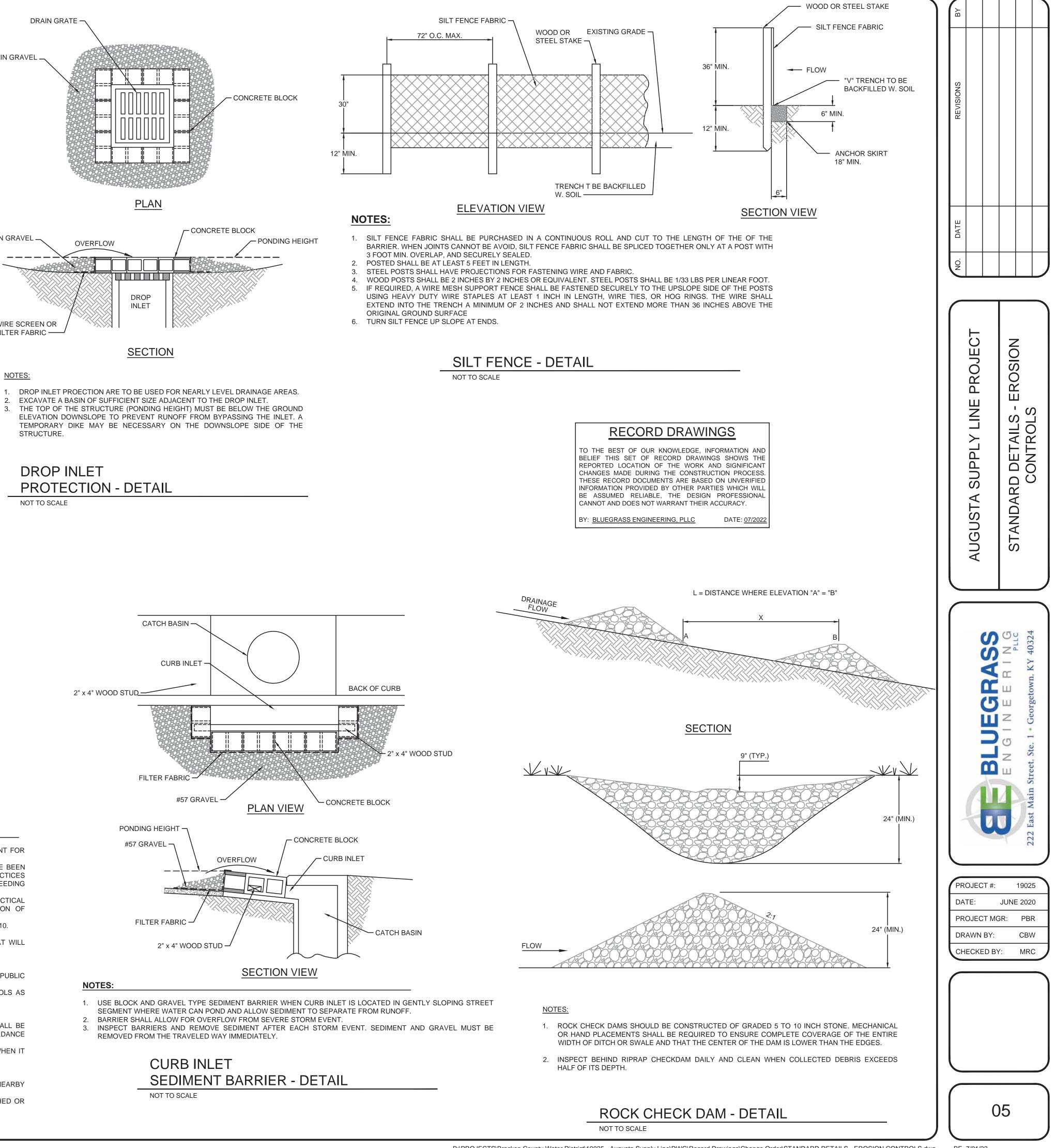


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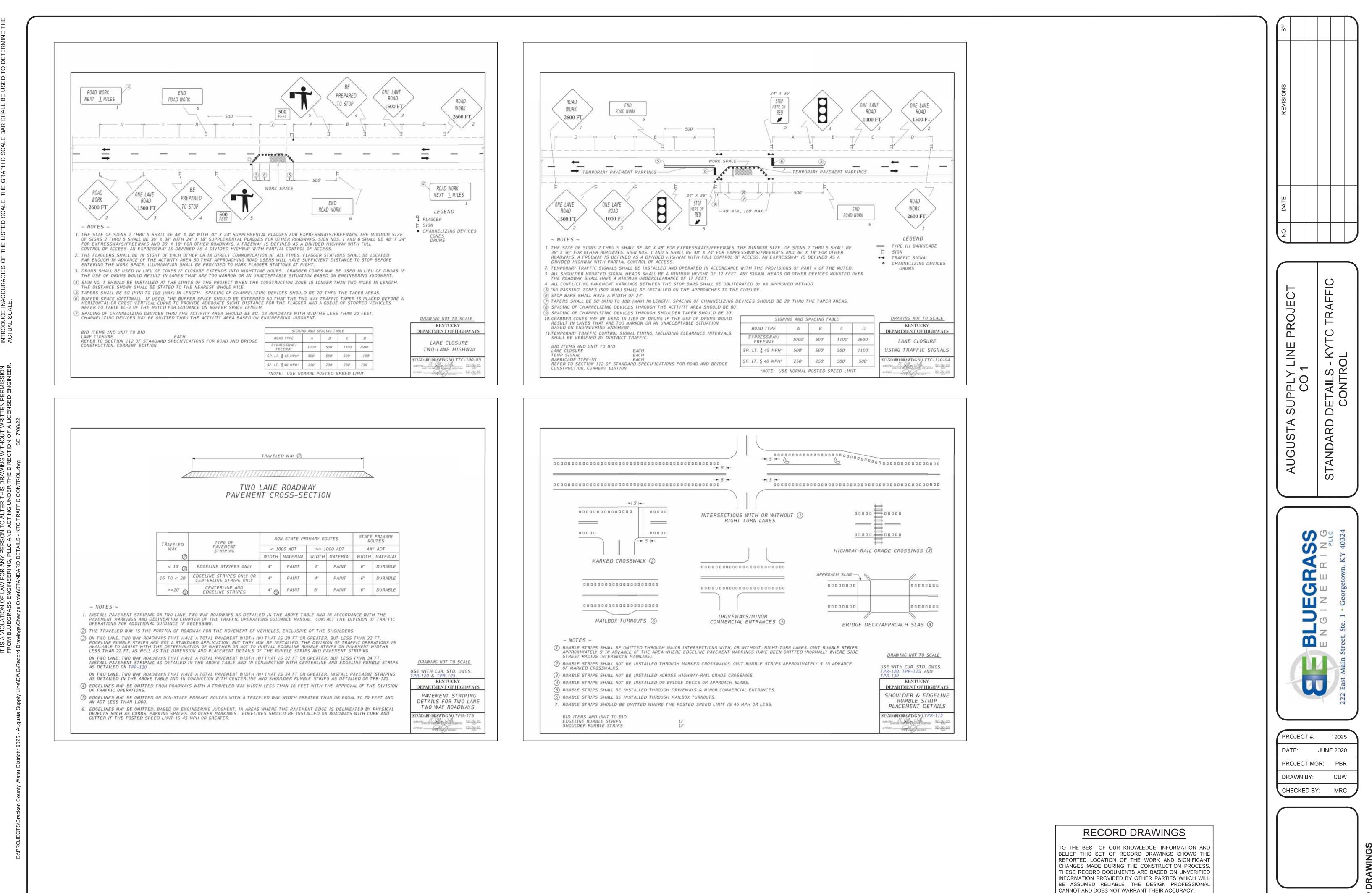
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- 1. DROP INLET PROECTION ARE TO BE USED FOR NEARLY LEVEL DRAINAGE AREAS.
- 3. THE TOP OF THE STRUCTURE (PONDING HEIGHT) MUST BE BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

DROP INLET PROTECTION - DETAIL NOT TO SCALE



B:\PROJECTS\Bracken County Water District\19025 - Augusta Supply Line\DWG\Record Drawings\Change Order\STANDARD DETAILS - EROSION CONTROLS.dwg BE 7/01/22



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> BY: BLUEGRASS ENGINEERING, PLLC DATE: <u>07/2022</u>

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