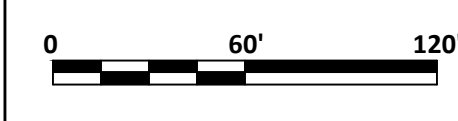


ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	KEVIN J. BRIAN
DESIGNED BY	KEVIN J. BRIAN
DRAWN BY	WILLIAM M. GUMM
QA / QC	MIKE HANSEN
PROJECT NUMBER	10175028



**MEADE COUNTY WATER DISTRICT  
2019 WATER SYSTEM IMPROVEMENTS  
PROPOSED GRID TIES**

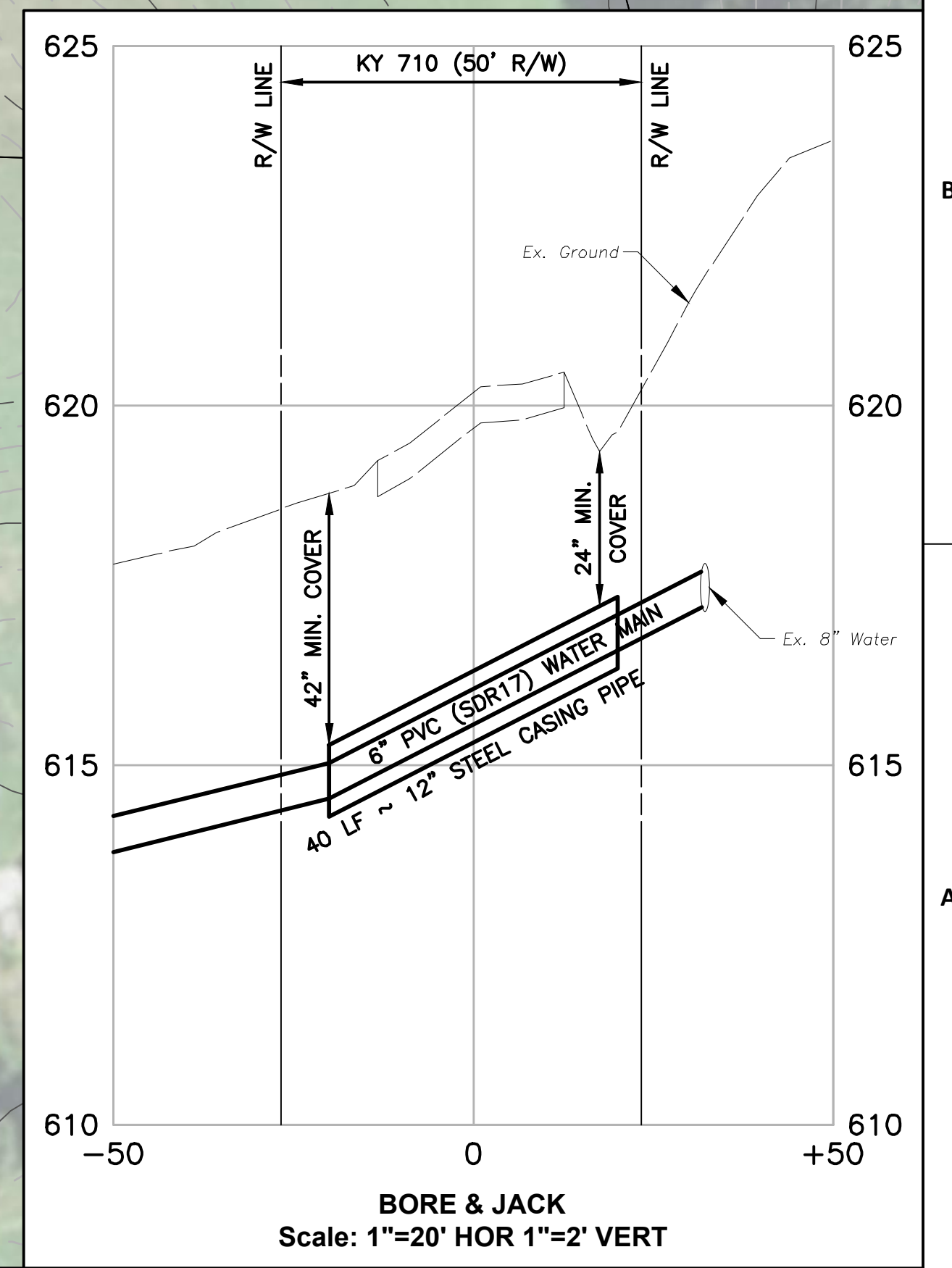


**LINE "1"  
FRED FACKLER ROAD  
PLAN SHEET  
STA. 35+00 TO STA. 57+00**

FILENAME | Plan-1.dwg  
SCALE | 1" = 60'

SHEET  
**C-38**





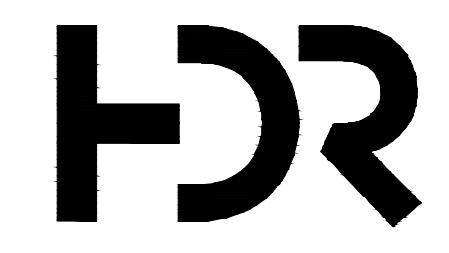
PROJECT MANAGER	KEVIN J. BRIAN
DESIGNED BY	KEVIN J. BRIAN
DRAWN BY	WILLIAM M. GUMM
QA / QC	MIKE HANSEN
PROJECT NUMBER	10175028



MEADE COUNTY WATER DISTRICT  
2019 WATER SYSTEM IMPROVEMENTS  
PROPOSED GRID TIES

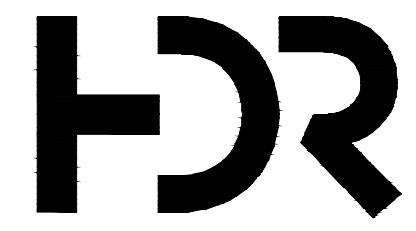
LINE "1"  
FRED FACKLER ROAD  
PLAN SHEET  
STA. 57+00 TO STA. 66+50

0 60' 120' FILENAME Plan-1.dwg SHEET C-39  
SCALE 1" = 60'



ISSUE	DATE	DESCRIPTION





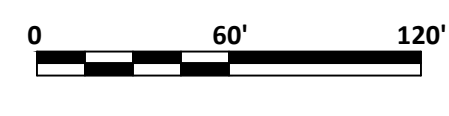
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	KEVIN J. BRIAN
DESIGNED BY	KEVIN J. BRIAN
DRAWN BY	WILLIAM M. GUMM
QA / QC	MIKE HANSEN
PROJECT NUMBER	10175028



MEADE COUNTY WATER DISTRICT  
2019 WATER SYSTEM IMPROVEMENTS  
PROPOSED GRID TIES

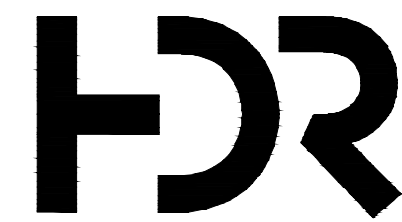
LINE "2"  
TAMMY LANE & WILLARDS LANE  
PLAN SHEET  
STA. 0+00 TO STA. 24+50



FILENAME | Plan-2.dwg  
SCALE | 1" = 60'

SHEET  
C-40



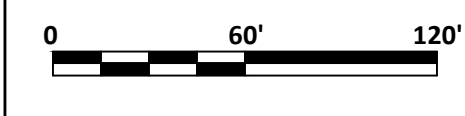


ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	KEVIN J. BRIAN
DESIGNED BY	KEVIN J. BRIAN
DRAWN BY	WILLIAM M. GUMM
QA / QC	MIKE HANSEN
PROJECT NUMBER	10175028



MEADE COUNTY WATER DISTRICT  
2019 WATER SYSTEM IMPROVEMENTS  
PROPOSED GRID TIES

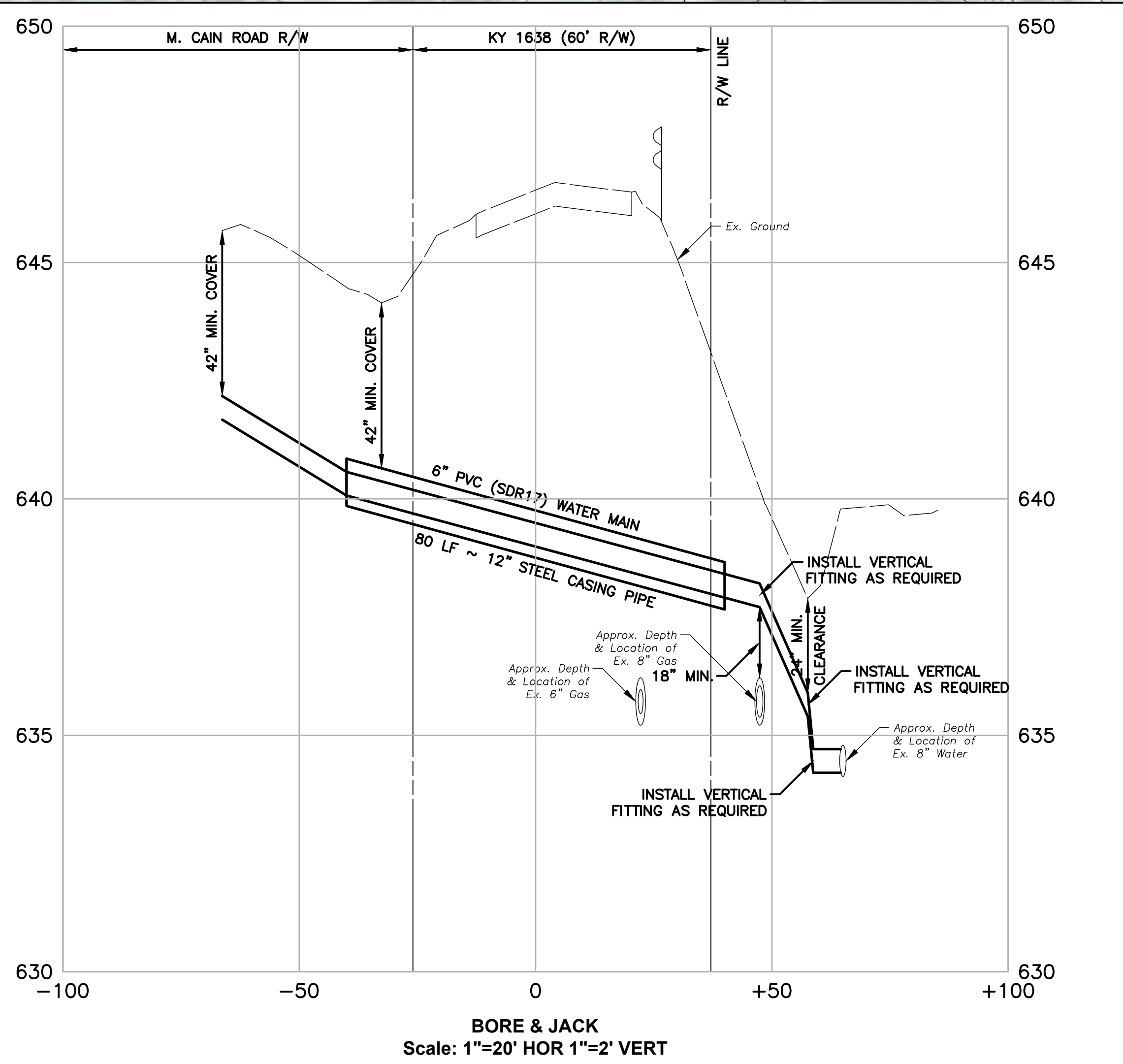
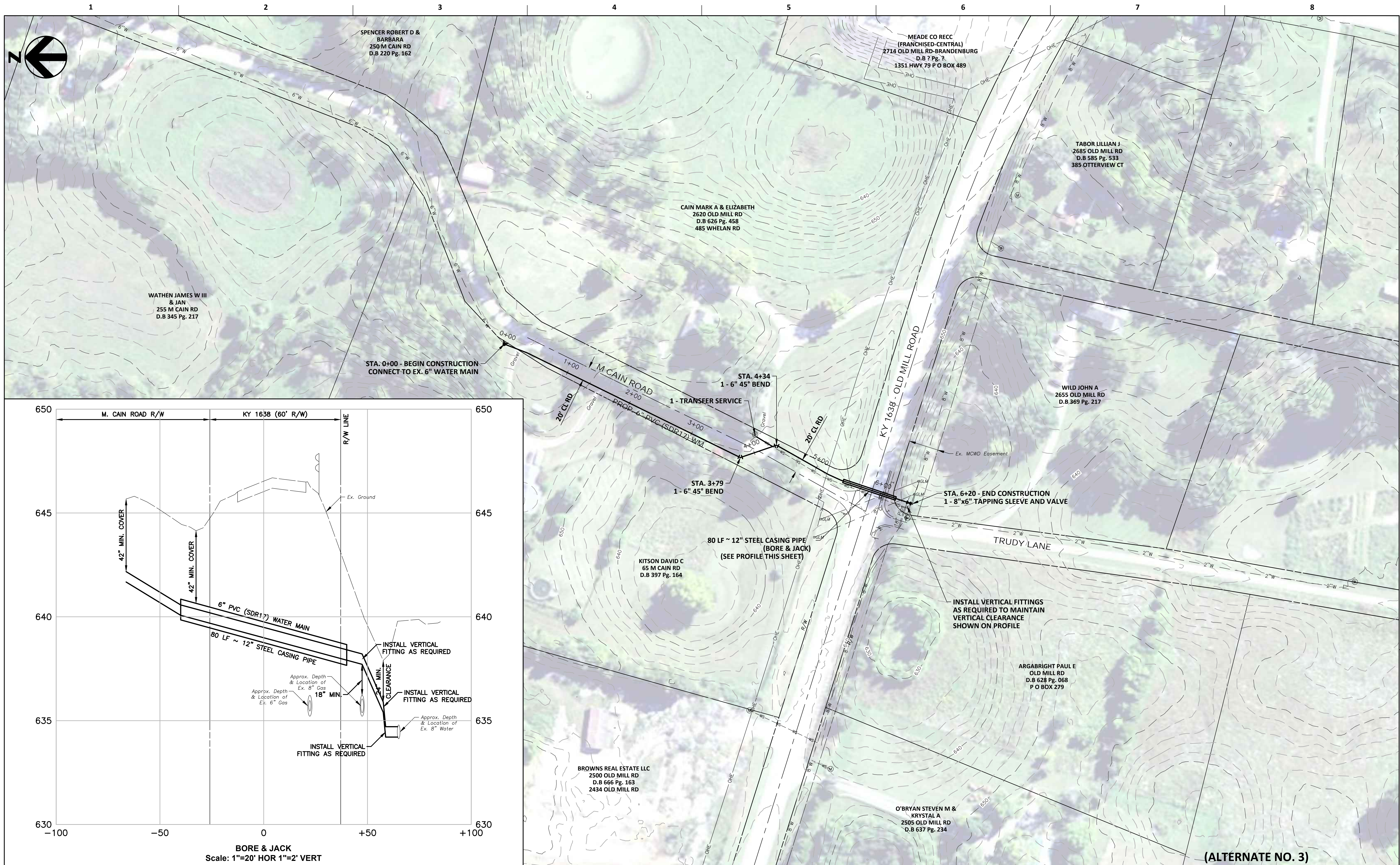


LINE "3"  
BUCK GROVE ROAD  
PLAN SHEET  
STA. 0+00 TO STA. 21+00

FILENAME | Plan-3.dwg  
SCALE | 1" = 60'

SHEET  
C-41





(ALTERNATE NO. 3)



ISSUE	DATE	DESCRIPTION

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DRAWN BY	WILLIAM M. GUMM
QA / QC	MIKE HANSEN
PROJECT NUMBER	10175028



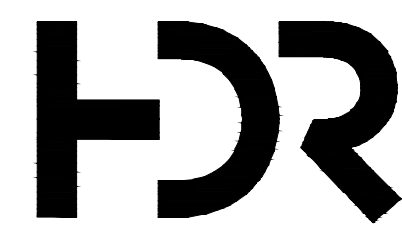
MEADE COUNTY WATER DISTRICT  
2019 WATER SYSTEM IMPROVEMENTS  
PROPOSED GRID TIES

0 60' 120'  
SCALE 1" = 60'

FILENAME Plan-4.dwg  
SHEET C-42

LINE "4"  
M. CAIN ROAD AT KY 1638  
PLAN SHEET  
STA. 0+00 TO STA. 6+50



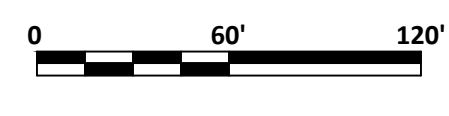


ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	KEVIN J. BRIAN
DESIGNED BY	KEVIN J. BRIAN
DRAWN BY	WILLIAM M. GUMM
QA / QC	MIKE HANSEN
PROJECT NUMBER	10175028



**MEADE COUNTY WATER DISTRICT  
2019 WATER SYSTEM IMPROVEMENTS  
PROPOSED GRID TIES**

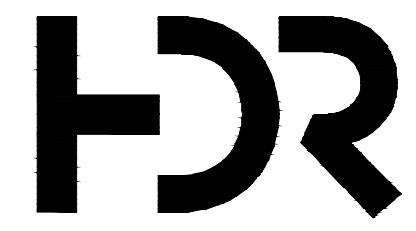
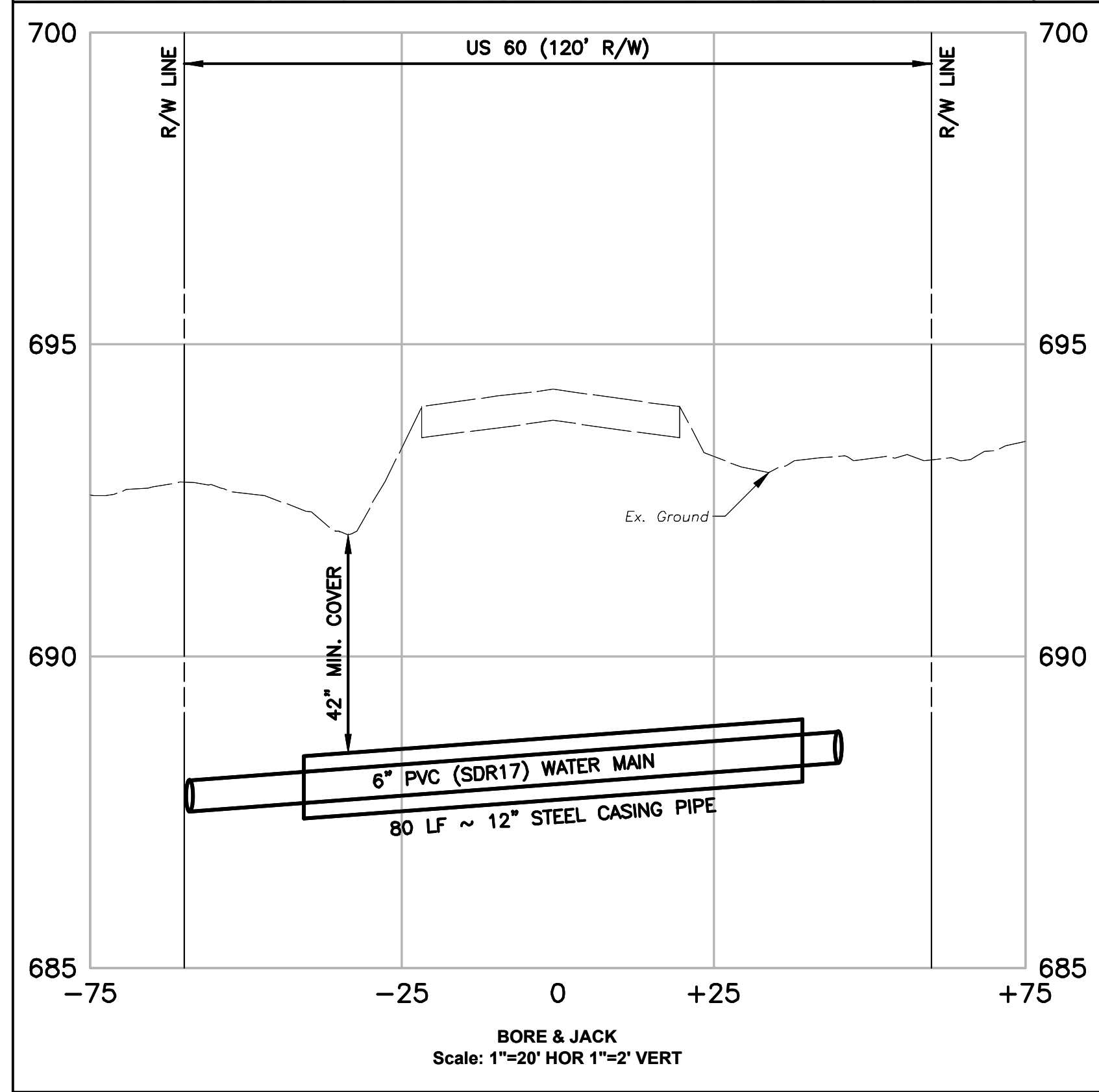


**LINE "5"  
WHELAN ROAD  
PLAN SHEET  
STA. 0+00 TO STA. 19+00**

FILENAME | Plan-5.dwg  
SCALE | 1" = 60'

SHEET  
**C-43**





ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	KEVIN J. BRIAN
DESIGNED BY	KEVIN J. BRIAN
DRAWN BY	WILLIAM M. GUMM
QA / QC	MIKE HANSEN
PROJECT NUMBER	10175028



MEADE COUNTY WATER DISTRICT  
2019 WATER SYSTEM IMPROVEMENTS  
PROPOSED GRID TIES



LINE "6"  
US 60  
PLAN SHEET  
STA. 0+00 TO STA. 18+00

SHEET  
C-44





STA. 18+00  
MATCHLINE

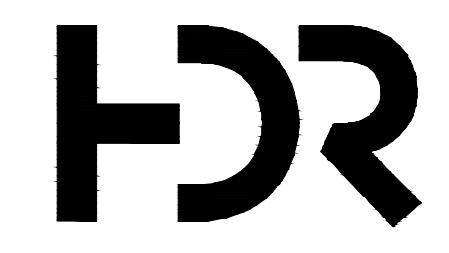
MEDLEY WILLIAM  
EUGENE LIVING TRUST  
HWY 60  
D.B. 625 Pg. 417  
324 E. MAIN ST.

BOARD GORDON D  
ESTATE  
HWY 60  
D.B. 614 Pg. 332  
P O BOX 426

HAGER BROTHERS LLC  
HWY 60/FLAHERTY RD  
D.B. 614 Pg. 329  
165 HAGER LN

STA. 36+80 - END CONSTRUCTION  
1 - 6" TAPPING SLEEVE & VALVE  
  
HILL JAMES R  
9245 BRANDENBURG RD  
D.B. 497 Pg. 099

WEST CHARLES H &  
SHARON I  
394 DOWN HOME LN  
D.B. 485 Pg. 157  
140 BUCK KNOBS RD



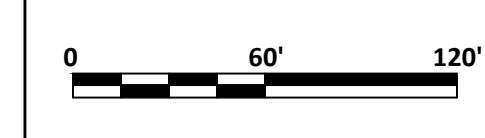
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	KEVIN J. BRIAN
DESIGNED BY	KEVIN J. BRIAN
DRAWN BY	WILLIAM M. GUMM
QA / QC	MIKE HANSEN
PROJECT NUMBER	10175028



MEADE COUNTY WATER DISTRICT  
2019 WATER SYSTEM IMPROVEMENTS  
PROPOSED GRID TIES

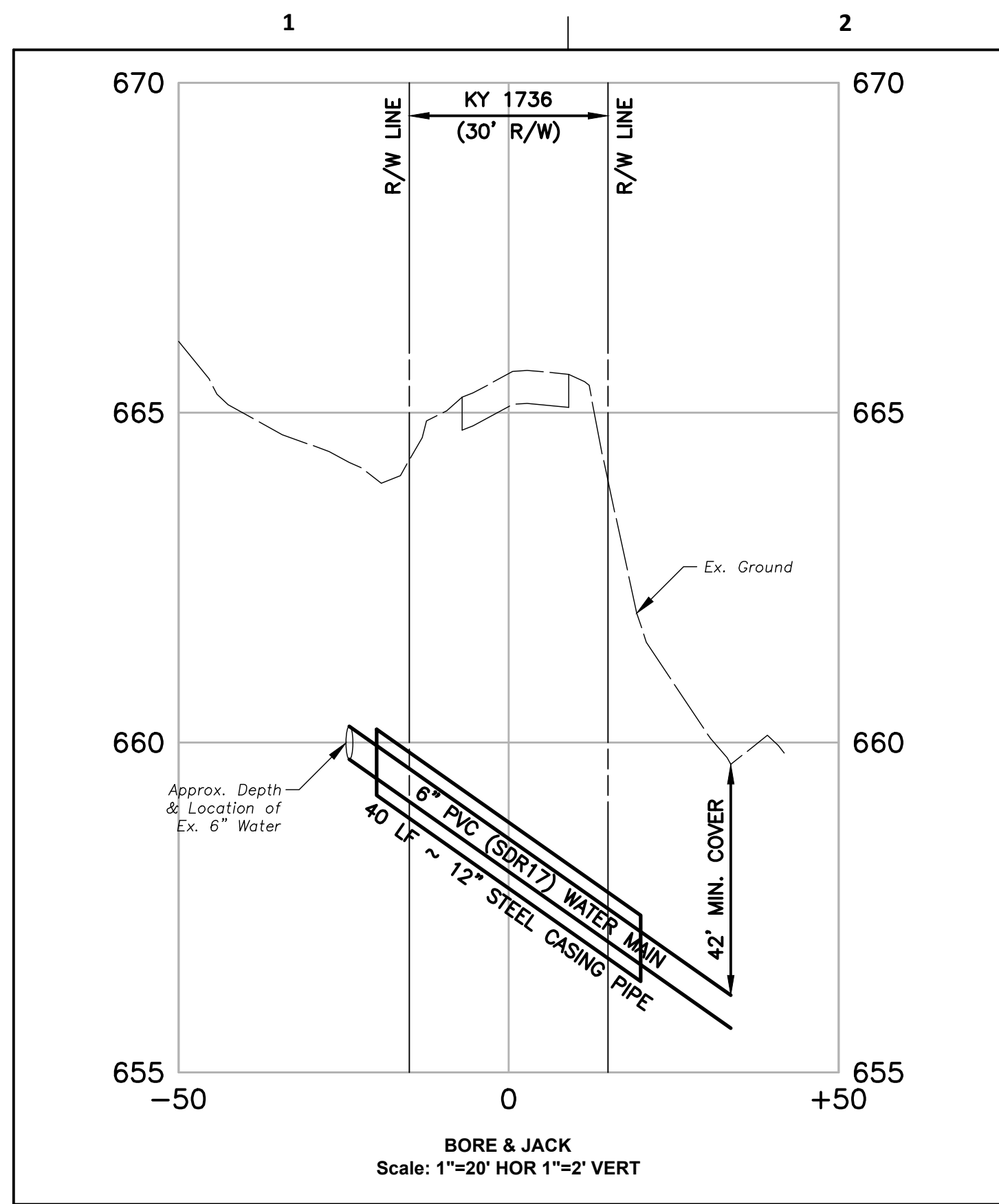


LINE "6"  
US 60  
PLAN SHEET  
STA. 18+00 TO STA. 37+00

FILENAME | Plan-6.dwg  
SCALE | 1" = 60'

SHEET  
C-45



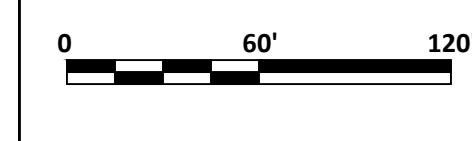


ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	KEVIN J. BRIAN
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PROJECT NUMBER	10175028



MEADE COUNTY WATER DISTRICT  
2019 WATER SYSTEM IMPROVEMENTS  
PROPOSED GRID TIES

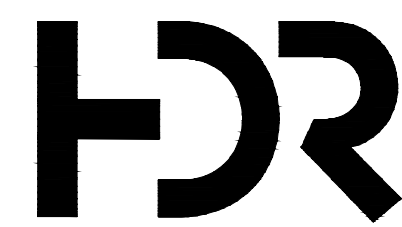


LINE "7"  
FARRIS ROAD  
PLAN SHEET  
STA. 0+00 TO STA. 18+00

FILENAME | Plan-7.dwg  
SCALE | 1" = 60'

SHEET  
C-46



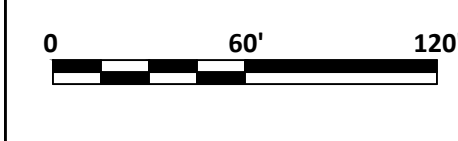


ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	KEVIN J. BRIAN
DESIGNED BY	KEVIN J. BRIAN
DRAWN BY	WILLIAM M. GUMM
QA / QC	MIKE HANSEN
PROJECT NUMBER	10175028



MEADE COUNTY WATER DISTRICT  
2019 WATER SYSTEM IMPROVEMENTS  
PROPOSED GRID TIES

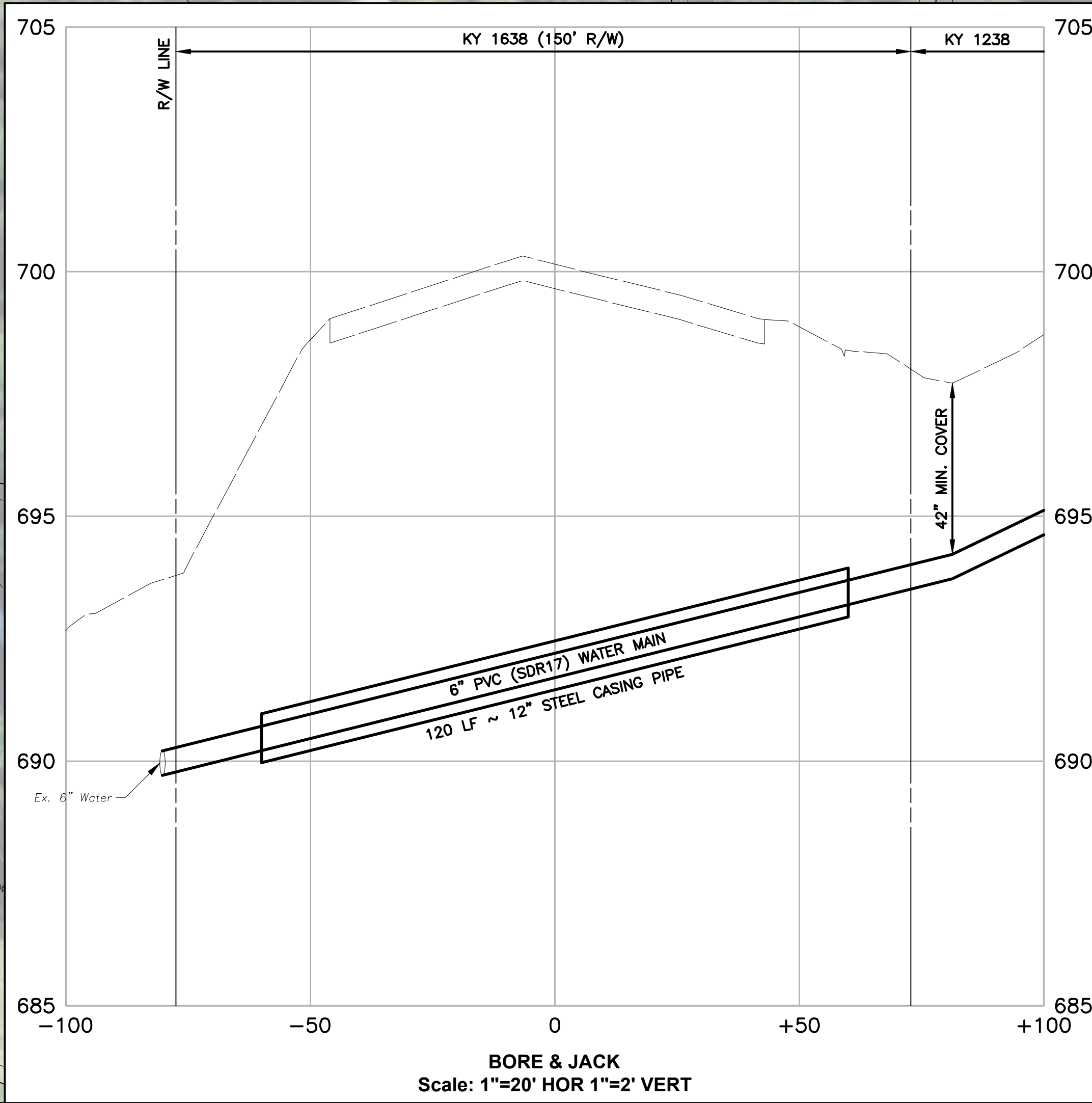
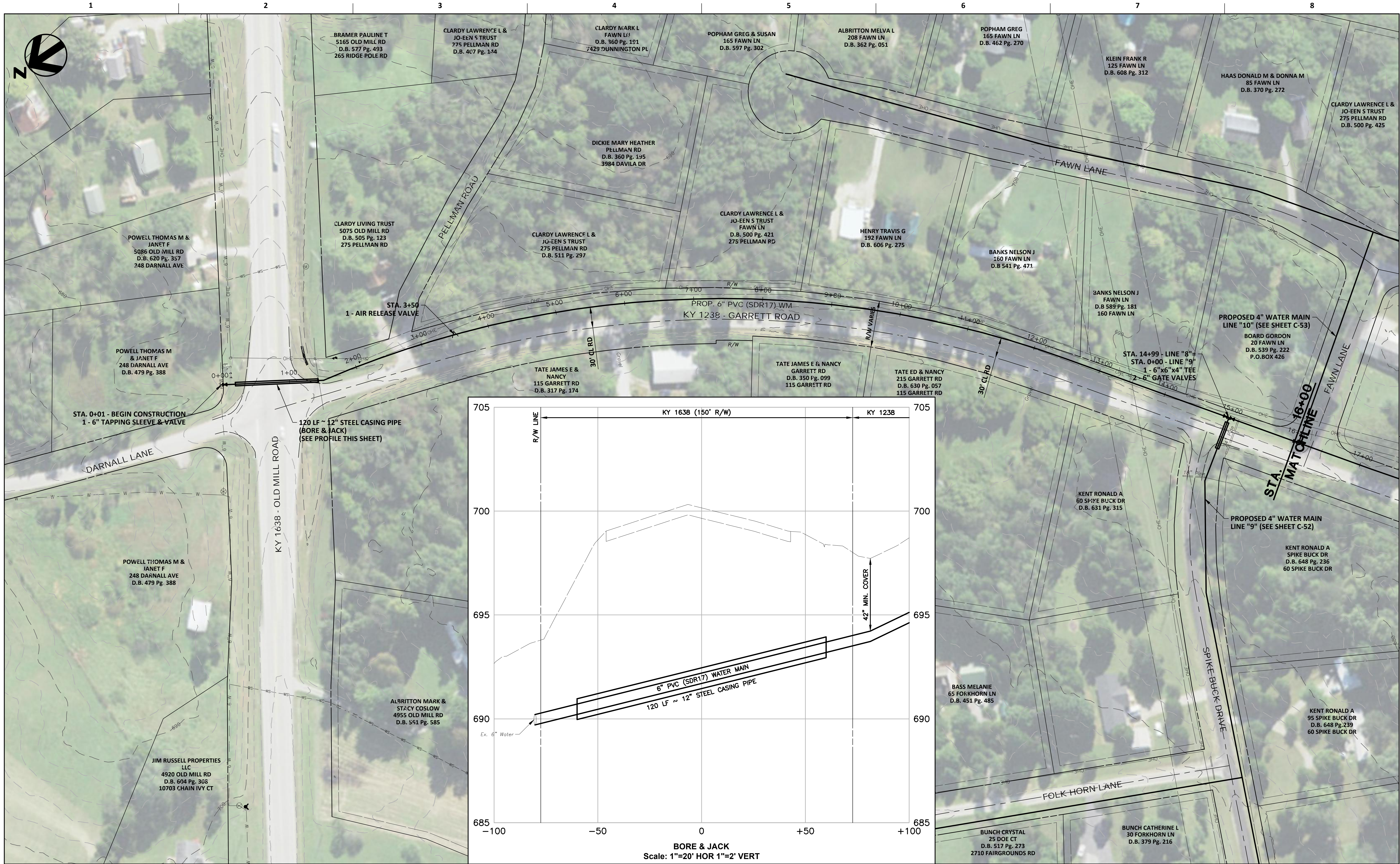


FILENAME | Plan-7.dwg  
SCALE | 1" = 60'

LINE "7"  
FARRIS ROAD  
PLAN SHEET  
STA. 18+00 TO STA. 36+50

SHEET  
C-47





**BORE & JACK**  
Scale: 1"=20' HOR 1"=2' VERT



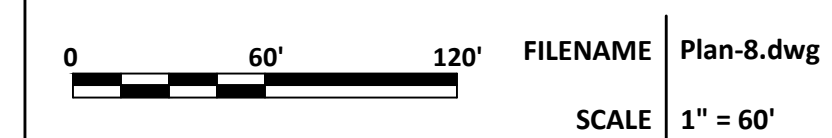
ISSUE	DATE	DESCRIPTION

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QA / QC	MIKE HANSEN
PROJECT NUMBER	10175028



**MEADE COUNTY WATER DISTRICT**  
**2019 WATER SYSTEM IMPROVEMENTS**  
**PROPOSED GRID TIES**

**LINE "8"**  
**KY 1238 - GARRETT ROAD**  
**PLAN SHEET**  
**STA. 0+00 TO STA. 16+00**



FILENAME | Plan-8.dwg  
SHEET | **C-48**





1 2 3 4 5 6 7 8

HAAS DONALD M & DONNA M  
85 FAWN LN  
D.B. 370 Pg. 272

CLARDY LAWRENCE L &  
JO-EEN S TRUST  
275 PELLMAN RD  
D.B. 500 Pg. 425

T & J CONSTRUCTION  
& LAWN CARE SERVICE  
35 WHITETAIL CT  
D.B. 517 Pg. 273  
60 KARMANDY LN

CLARDY LAWRENCE L &  
JO-EEN S TRUST  
WHITETAIL CT  
D.B. 407 Pg. 142  
275 PELLMAN

BOARD GORDON  
20 FAWN LN  
D.B. 539 Pg. 222  
P.O. BOX 426

MCGAUGHEY EDGAR &  
JESSICA  
15 TWIN FAWN LN  
D.B. 615 Pg. 448

HOLLAND DUSTIN  
60 WHITETAIL CT  
D.B. 550 Pg. 316

MCGLAUN CLARENCE  
W JR & NANCY S  
GARRETT RD  
D.B. 620 Pg. 167  
2316 WINDSOR  
FOREST DR

STA. 16+00 - LINE "8"  
STA. 0+00 - LINE "10"  
1 - 6" x 6" x 4" TEE  
2 - 6" GATE VALVES

PROPOSED 4" WATER MAIN  
LINE "9" (SEE SHEET C-52)

KENT RONALD A  
SPIKE BUCK DR  
D.B. 648 Pg. 236  
60 SPIKE BUCK DR

WATERS ROSALIE P &  
JUSTIN W  
425 GARRETT RD  
D.B. 462 Pg. 333

DAVIS CHRISTOPHER W  
455 GARRETT RD  
D.B. 610 Pg. 384  
7905 CARDINAL HILL RD

DAVIS WILLIAM C FAMILY  
GSTT TRUST  
GARRETT RD  
D.B. 553 Pg. 060  
7905 CARDINAL HILL RD

BUNCH CATHERINE L  
30 FORKHORN LN  
D.B. 379 Pg. 216

PROPOSED 4" WATER MAIN  
LINE "10" (SEE SHEET C-53)

PROP. 6" PVC (SDR17) WM  
KY 1238 - GARRETT ROAD

30' CI RD

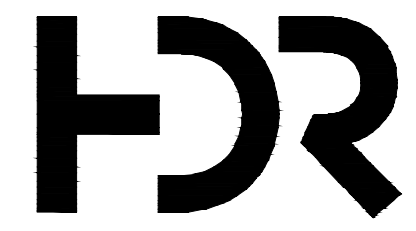
60' R/W

25' CI RD

STA. MATCHLINE 16+00

STA. MATCHLINE 33+00

14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00

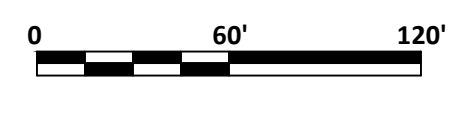


ISSUE	DATE	DESCRIPTION

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DESIGNED BY	KEVIN J. BRIAN
DRAWN BY	WILLIAM M. GUMM
QA / QC	MIKE HANSEN
PROJECT NUMBER	10175028



MEADE COUNTY WATER DISTRICT  
2019 WATER SYSTEM IMPROVEMENTS  
PROPOSED GRID TIES

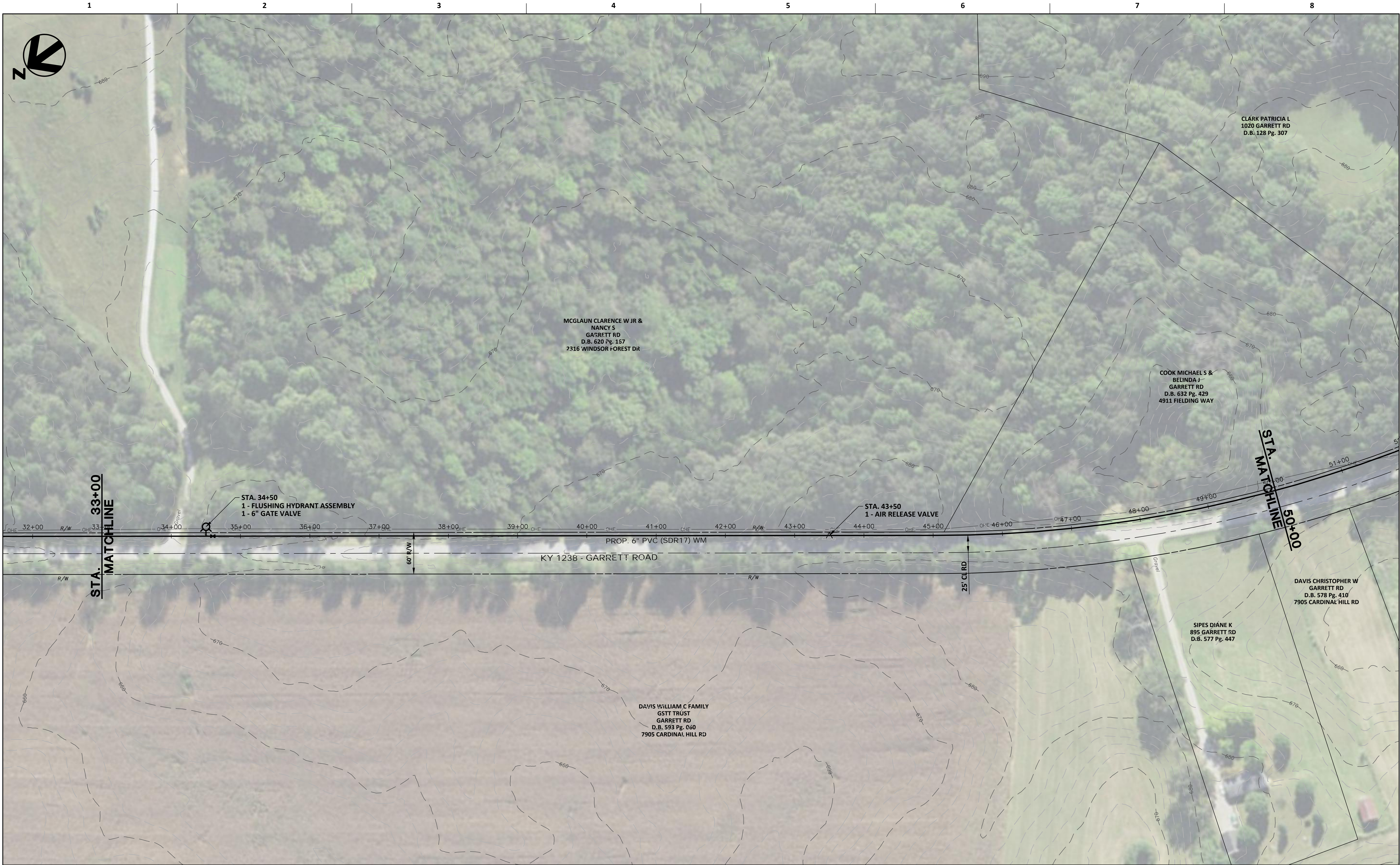


LINE "8"  
KY 1238 - GARRETT ROAD  
PLAN SHEET  
STA. 16+00 TO STA. 33+00

FILENAME | Plan-8.dwg  
SCALE | 1" = 60'

SHEET  
C-49





1 2 3 4 5 6 7 8

680 670 660 650 640 630 620 610 600 590 580 570 560 550 540 530 520 510 500 490 480 470 460 450 440 430 420 410 400 390 380 370 360 350 340 330 320

CLARK PATRICIA L  
1020 GARRETT RD  
D.B. 128 Pg. 307

MCGLAUN CLARENCE W JR &  
NANCY S  
GARRETT RD  
D.B. 620 Pg. 157  
2316 WINDSOR FOREST DR

COOK MICHAEL S &  
BELINDA J  
GARRETT RD  
D.B. 632 Pg. 429  
4911 FIELDING WAY

STA. 34+50  
1 - FLUSHING HYDRANT ASSEMBLY  
1 - 6" GATE VALVE

STA. 43+50  
1 - AIR RELEASE VALVE

50+00

STA. MATCHLINE

33+00

STA. MATCHLINE

60' R/W

25' CL RD

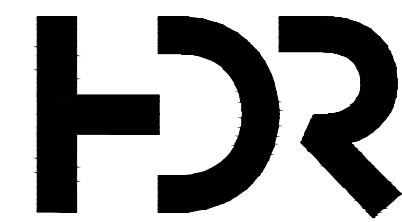
PROP. 6" PVC (SDR17) WM

KY 1238 - GARRETT ROAD

DAVIS WILLIAM C FAMILY  
GSTT TRUST  
GARRETT RD  
D.B. 593 Pg. 060  
7905 CARDINAL HILL RD

DAVIS CHRISTOPHER W  
GARRETT RD  
D.B. 578 Pg. 410  
7905 CARDINAL HILL RD

SIPES DIANE K  
895 GARRETT RD  
D.B. 577 Pg. 447



PROJECT MANAGER	KEVIN J. BRIAN
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QA / QC	MIKE HANSEN
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MEADE COUNTY WATER DISTRICT  
2019 WATER SYSTEM IMPROVEMENTS  
PROPOSED GRID TIES

0 60' 120'

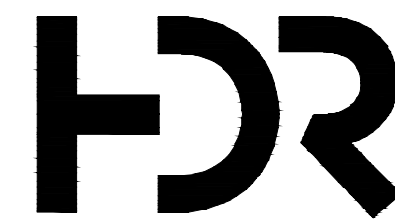
SCALE 1" = 60'

FILENAME Plan-8.dwg

LINE "8"  
KY 1238 - GARRETT ROAD  
PLAN SHEET  
STA. 33+00 TO STA. 50+00

SHEET  
C-50





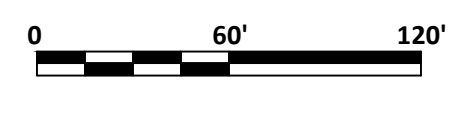
ISSUE	DATE	DESCRIPTION

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DRAWN BY	WILLIAM M. GUMM
QA / QC	MIKE HANSEN
PROJECT NUMBER	10175028



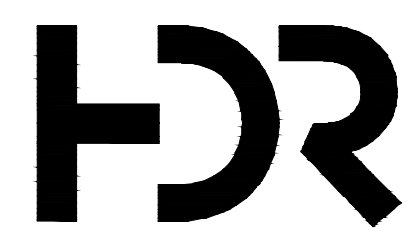
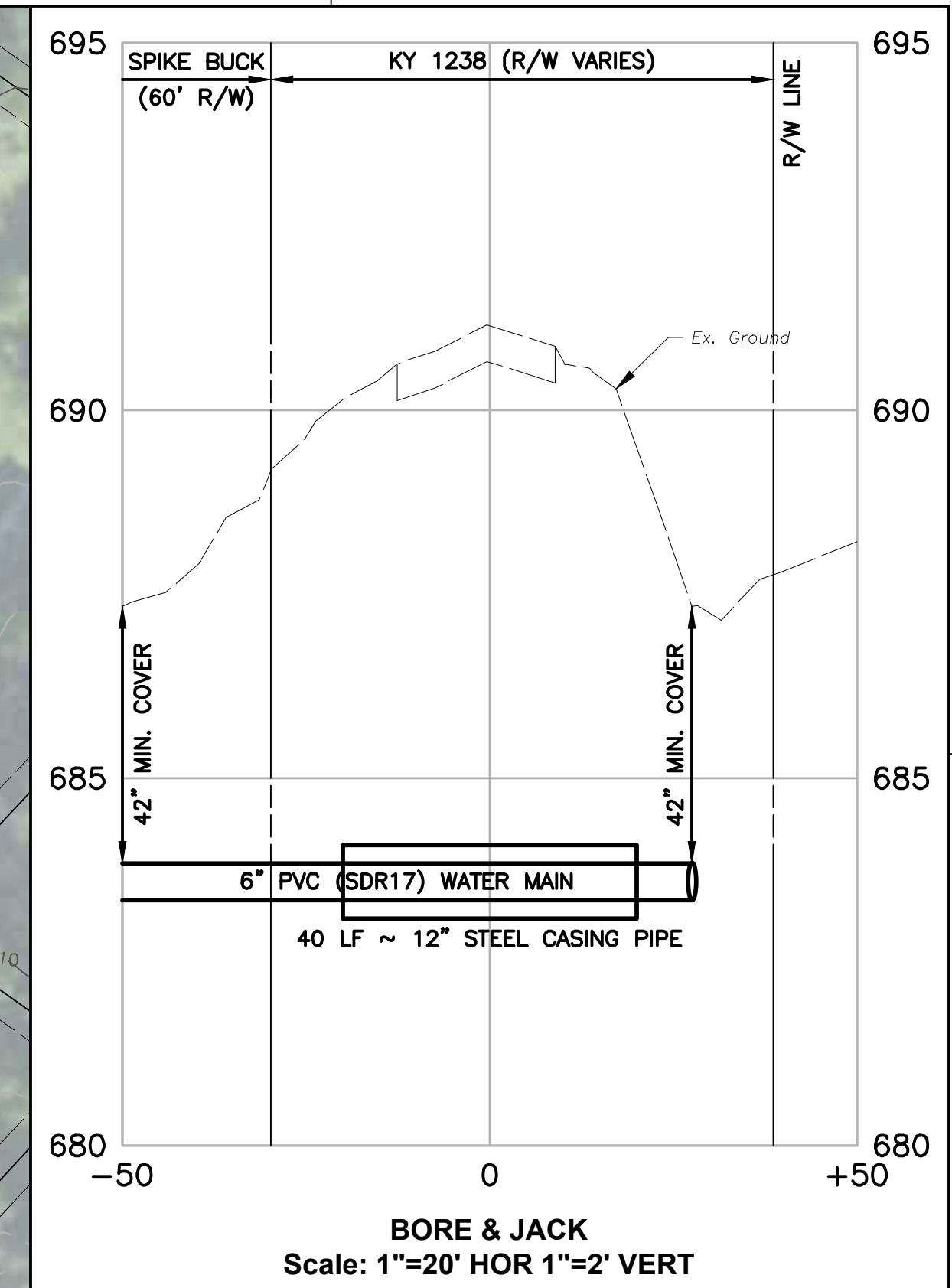
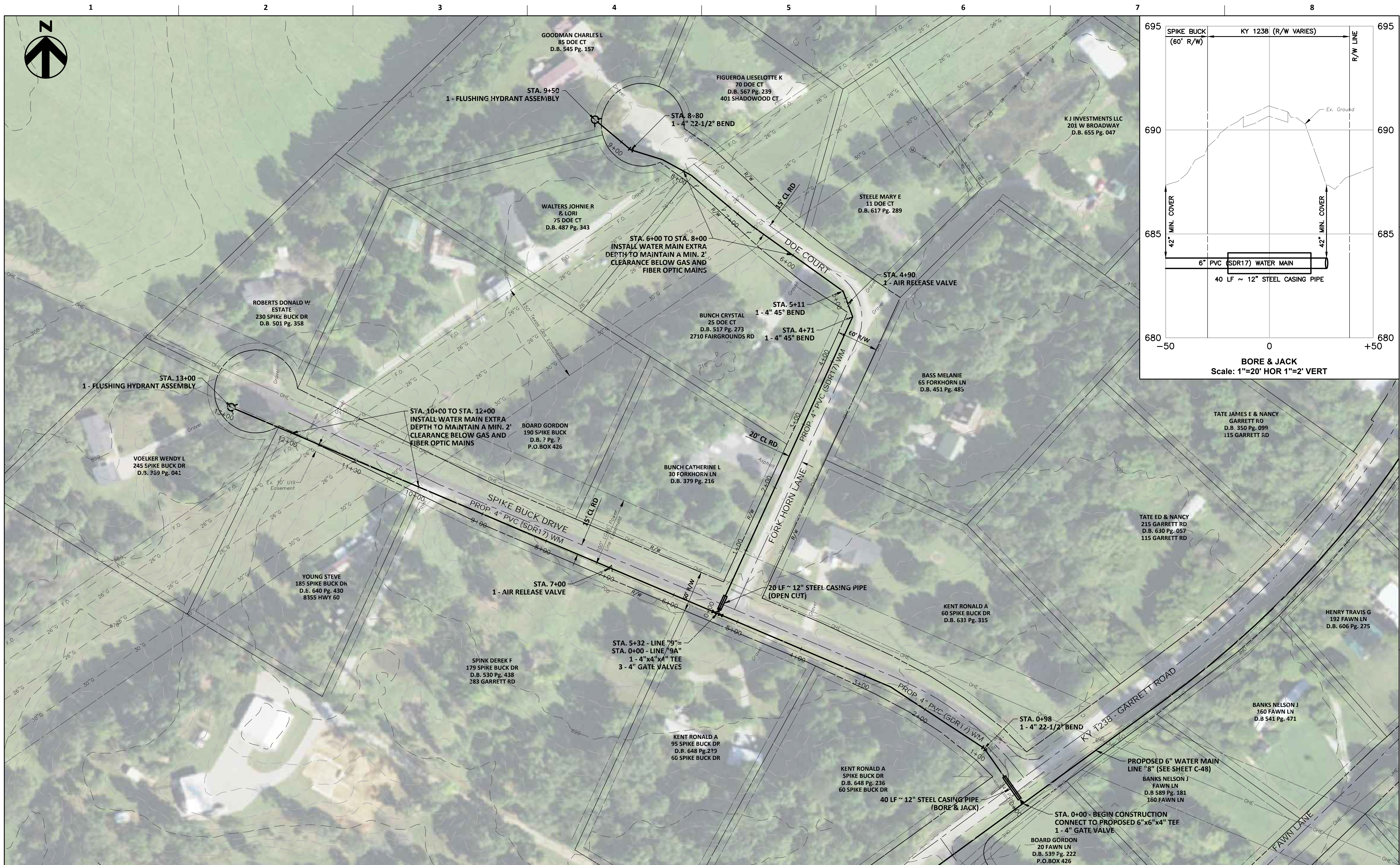
**MEADE COUNTY WATER DISTRICT  
2019 WATER SYSTEM IMPROVEMENTS  
PROPOSED GRID TIES**



FILENAME | Plan-8.dwg  
SCALE | 1" = 60'

**LINE "8"  
KY 1238 - GARRETT ROAD  
PLAN SHEET  
STA. 50+00 TO STA. 65+00**





ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	KEVIN J. BRIAN
DESIGNED BY	KEVIN J. BRIAN
DRAWN BY	WILLIAM M. GUMM
QA / QC	MIKE HANSEN
PROJECT NUMBER	10175028

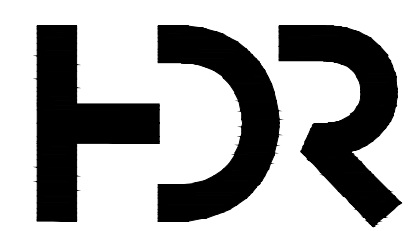
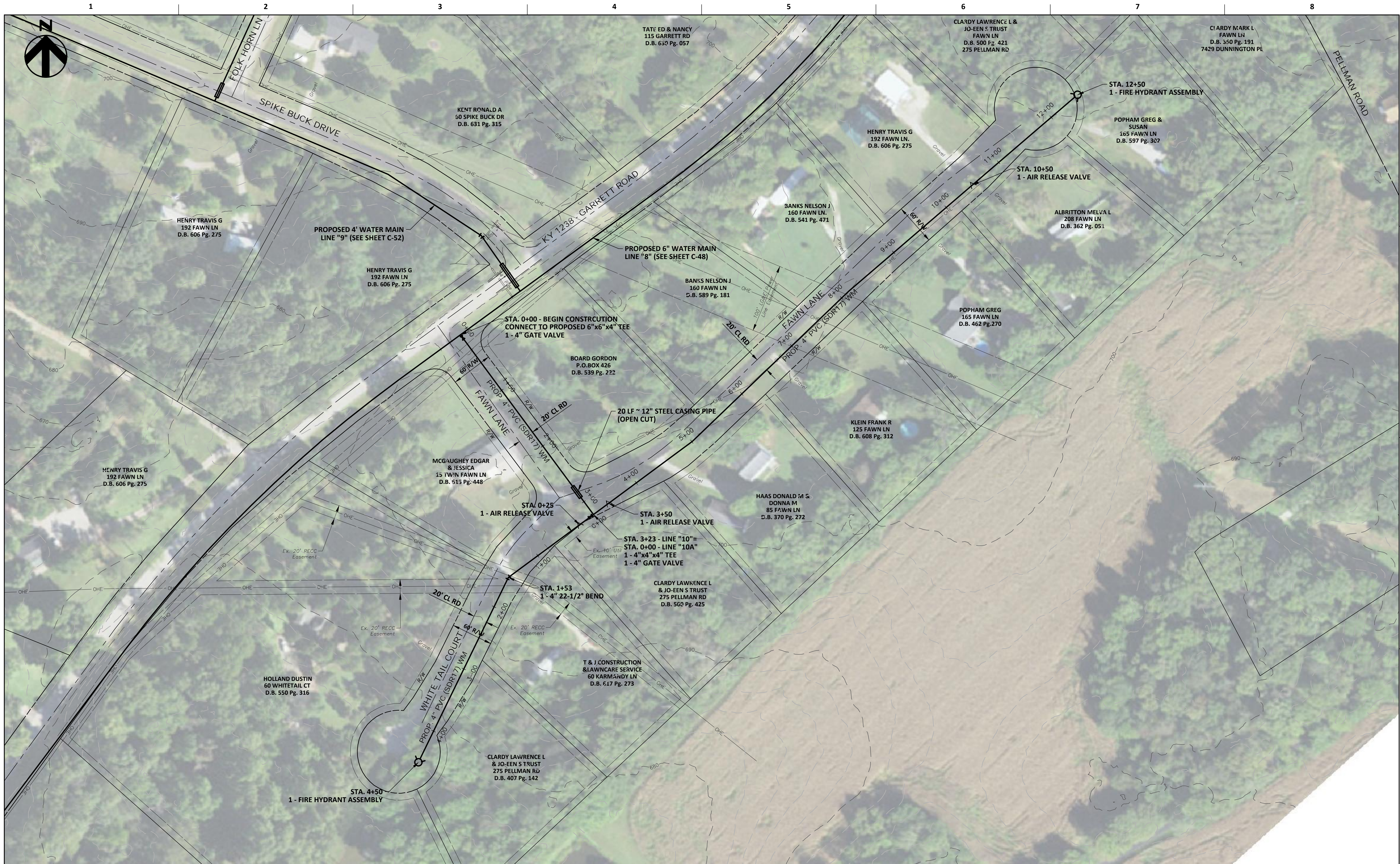


MEADE COUNTY WATER DISTRICT  
2019 WATER SYSTEM IMPROVEMENTS  
PROPOSED GRID TIES

LINES "9" & "9A"  
SPIKE BUCK DR. & FORK HORN LN. / DOE CT.  
PLAN SHEET  
STA. 0+00 TO STA. 13+00 & STA. 0+00 TO STA. 9+50

SCALE	1" = 60'
FILENAME	Plan-9.dwg
SHEET	C-52





ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	KEVIN J. BRIAN
DESIGNED BY	KEVIN J. BRIAN
DRAWN BY	WILLIAM M. GUMM
QA / QC	MIKE HANSEN
PROJECT NUMBER	10175028

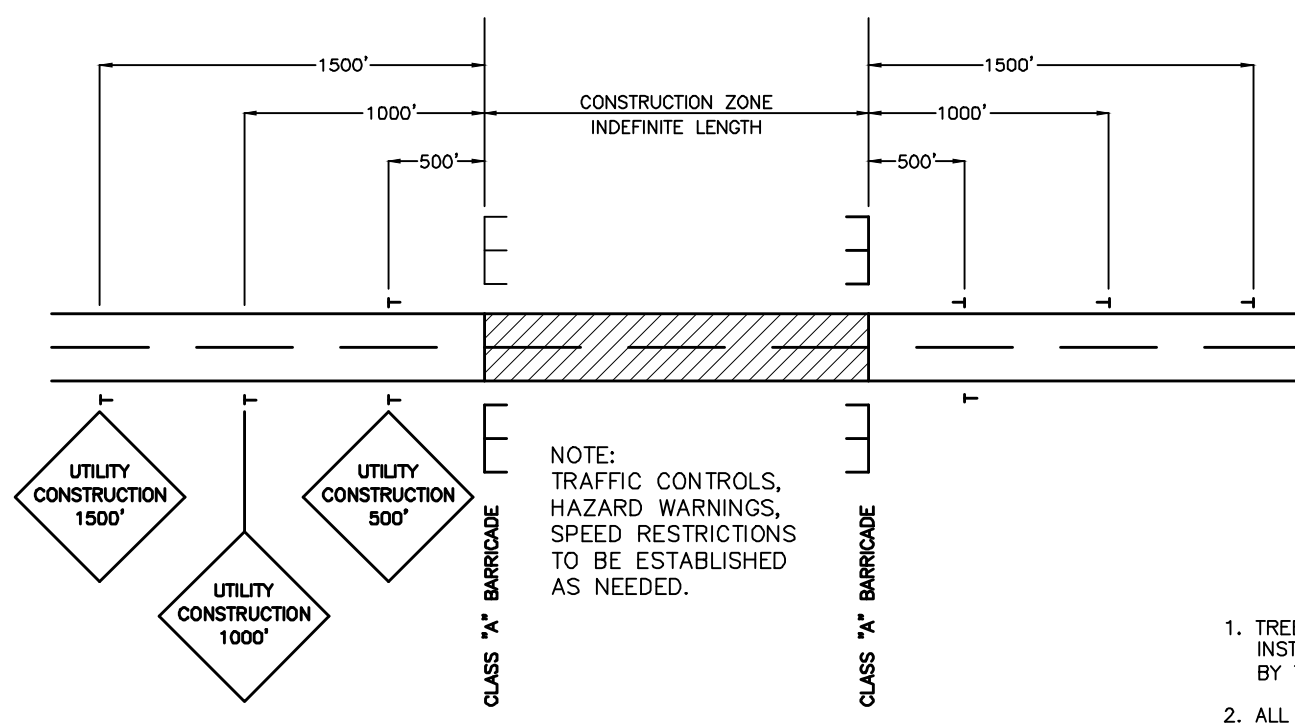


MEADE COUNTY WATER DISTRICT  
2019 WATER SYSTEM IMPROVEMENTS  
PROPOSED GRID TIES

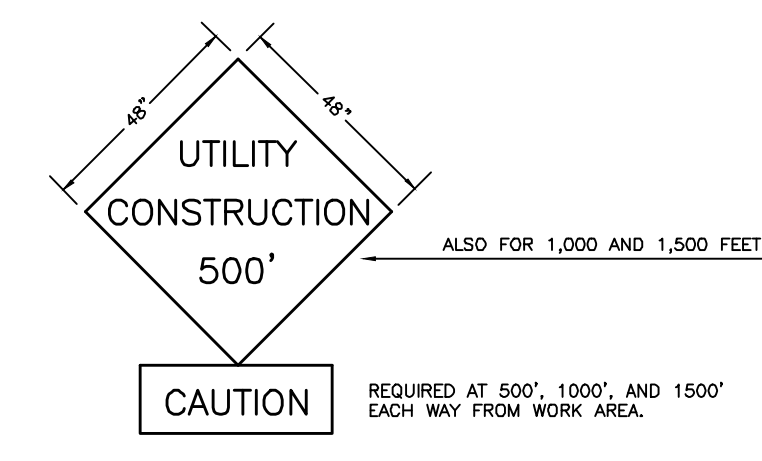
**LINES "10" & "10A"**  
**FAWN LANE & WHITE TAIL COURT**  
**PLAN SHEET**  
STA. 0+00 TO STA. 12+50 & STA. 0+00 TO STA. 4+50

0 60' 120' FILENAME Plan-10.dwg SHEET  
SCALE 1" = 60' C-53



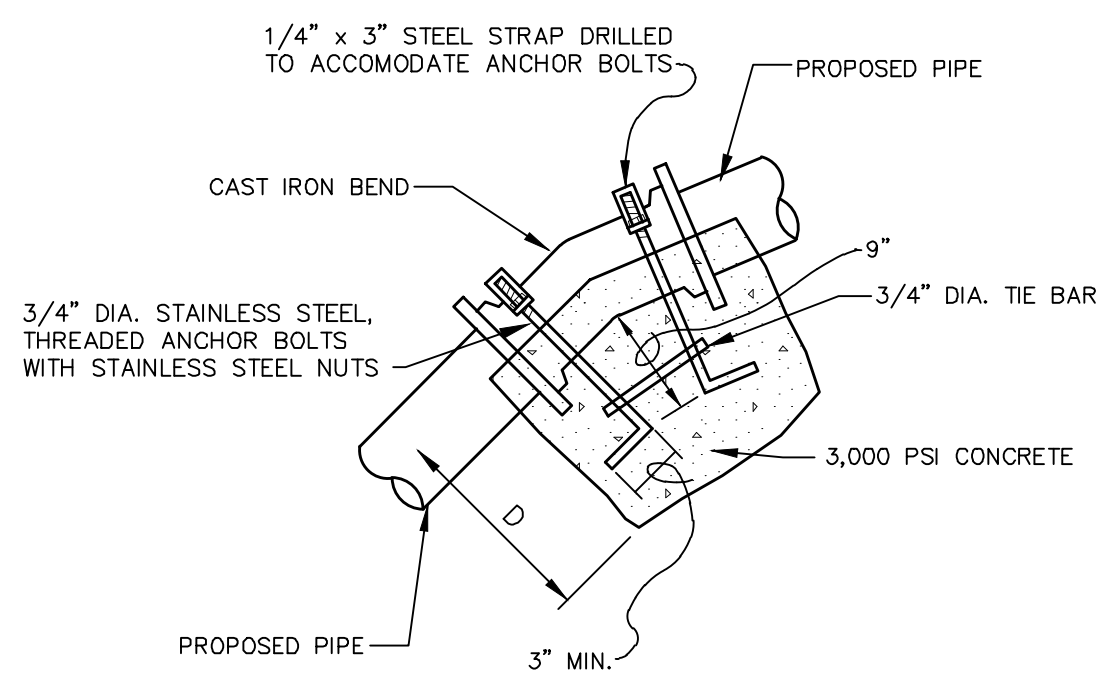


**LOCATION OF TRAFFIC CONTROL DEVICES**  
N.T.S.

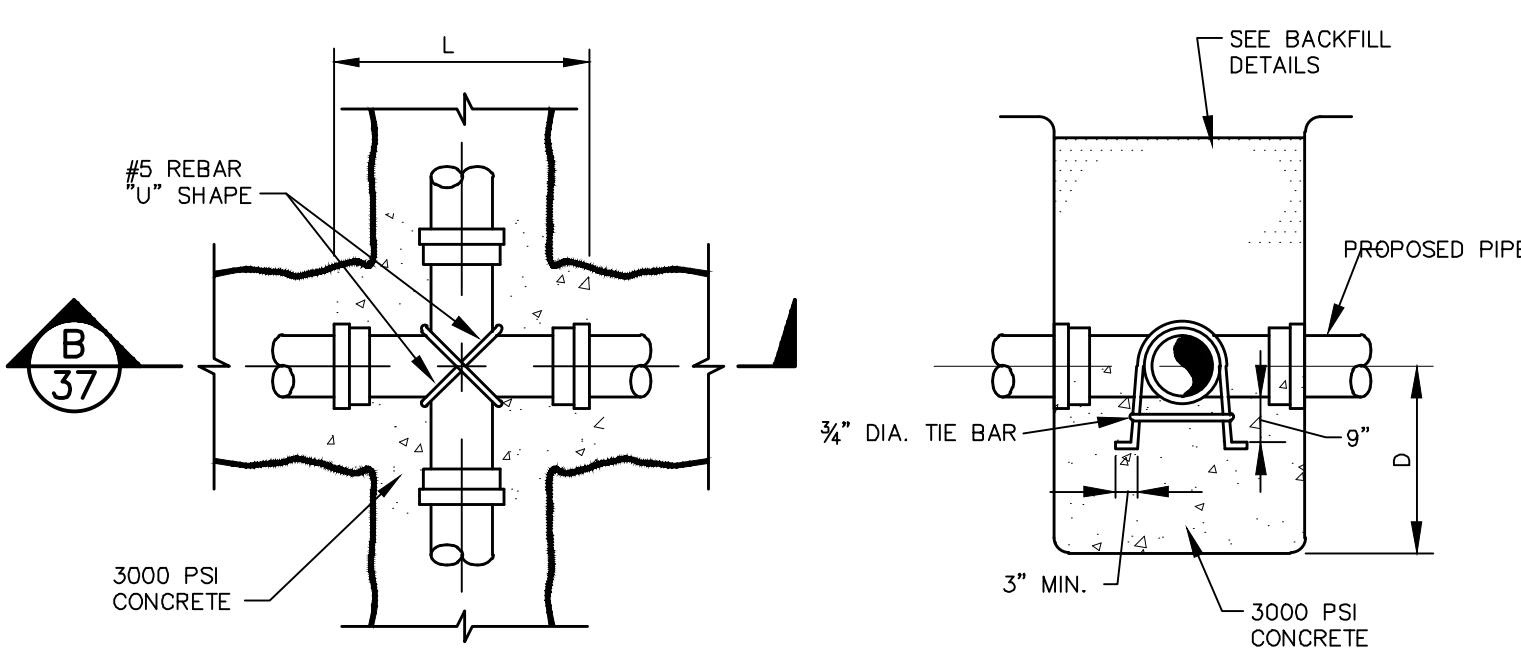


**WARNING SIGNS**

1. TREES ON STATE RIGHT-OF-WAY ARE NOT TO BE DAMAGED BY THIS INSTALLATION, NO TREE TRIMMING OR REMOVAL IS AUTHORIZED BY THIS PERMIT.
2. ALL DISTURBED PORTIONS OF THE STATE RIGHT-OF-WAY TO BE RESTORED TO ORIGINAL CONDITION BY SEEDING AND MULCHING IN ACCORDANCE WITH KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS.
3. ALL SIGNS AND CONTROL OF TRAFFIC TO BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.



**VERTICAL BENDS BLOCKING**  
N.T.S.



**CROSS ANCHORING**  
N.T.S.

**PLUGS**

SIZE	3"	4"	6"	8"	10"	12"
D	8"	10"	13"	18"	21"	25"
L & W	15"	19"	26"	35"	42"	50"

**TEES**

SIZE	3"	4"	6"	8"	10"	12"
D	5"	5"	7"	11"	13"	16"
L	20"	22"	30"	40"	48"	56"
H	9"	12"	18"	24"	28"	34"
C (Max.)	11"	13"	16"	18"	22"	24"

**90-Ells (Quarter Bends)**

SIZE	3"	4"	6"	8"	10"	12"
D	8"	9"	14"	20"	24"	28"
L	27"	31"	44"	58"	70"	80"
H	12"	16"	22"	29"	36"	45"
C (Max.)	11"	13"	16"	18"	22"	24"

**45-Ells (Eighth Bends)**

SIZE	3"	4"	6"	8"	10"	12"
D	6"	7"	10"	15"	18"	21"
L	18"	21"	30"	40"	48"	56"
H	10"	12"	18"	24"	28"	34"
C (Max.)	6"	8"	10"	11"	13"	15"

**22 1/2-Ells (Sixteenth Bends)**

SIZE	3"	4"	6"	8"	10"	12"
D	5"	6"	7"	9"	11"	14"
L	15"	19"	24"	29"	35"	42"
H	6"	7"	11"	16"	20"	24"
C (Max.)	6"	8"	10"	11"	13"	15"

**11 1/4-Ells (Thirty-Second Bends)**

SIZE	3"	4"	6"	8"	10"	12"
D	3"	4"	5"	7"	9"	10"
L	12"	16"	20"	24"	30"	34"
H	6"	6"	7"	10"	12"	15"
C (Max.)	6"	8"	10"	11"	13"	15"

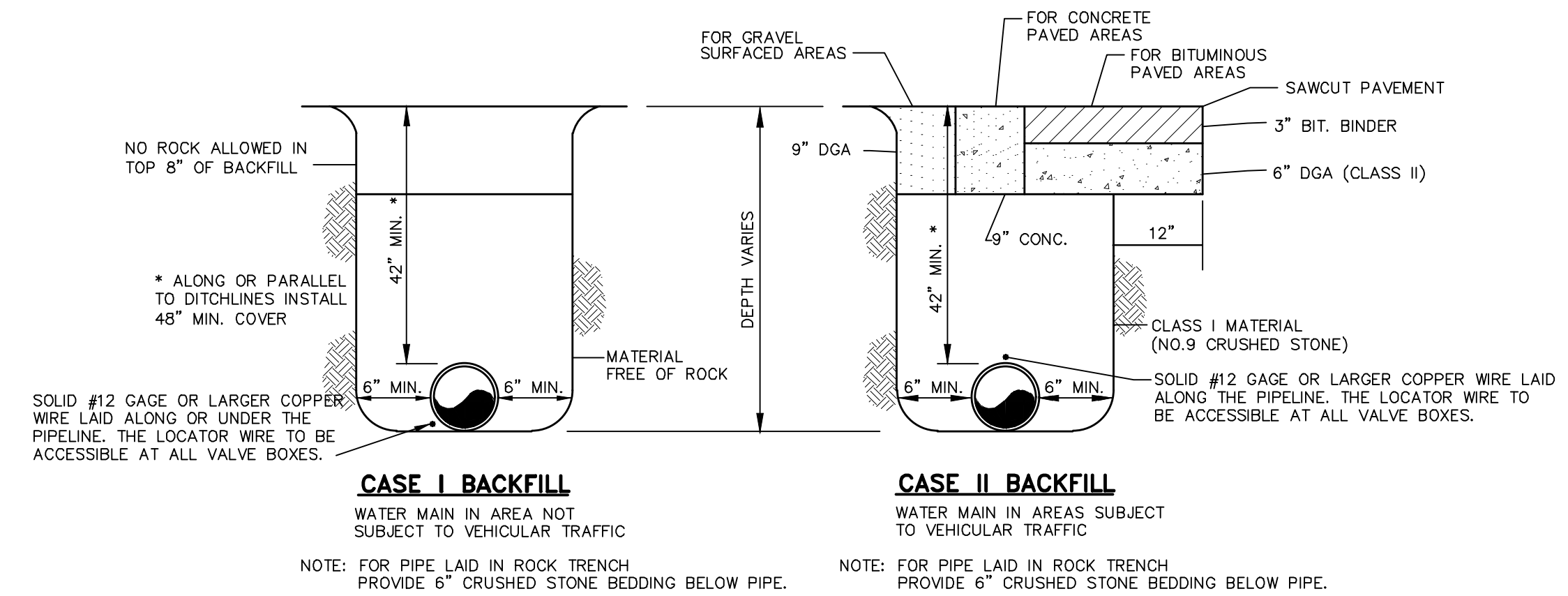
**Crosses**

SIZE	3"	4"	6"	8"	10"	12"
D	18"	18"	18"	18"	22"	22"
L	18"	20"	23"	25"	29"	31"

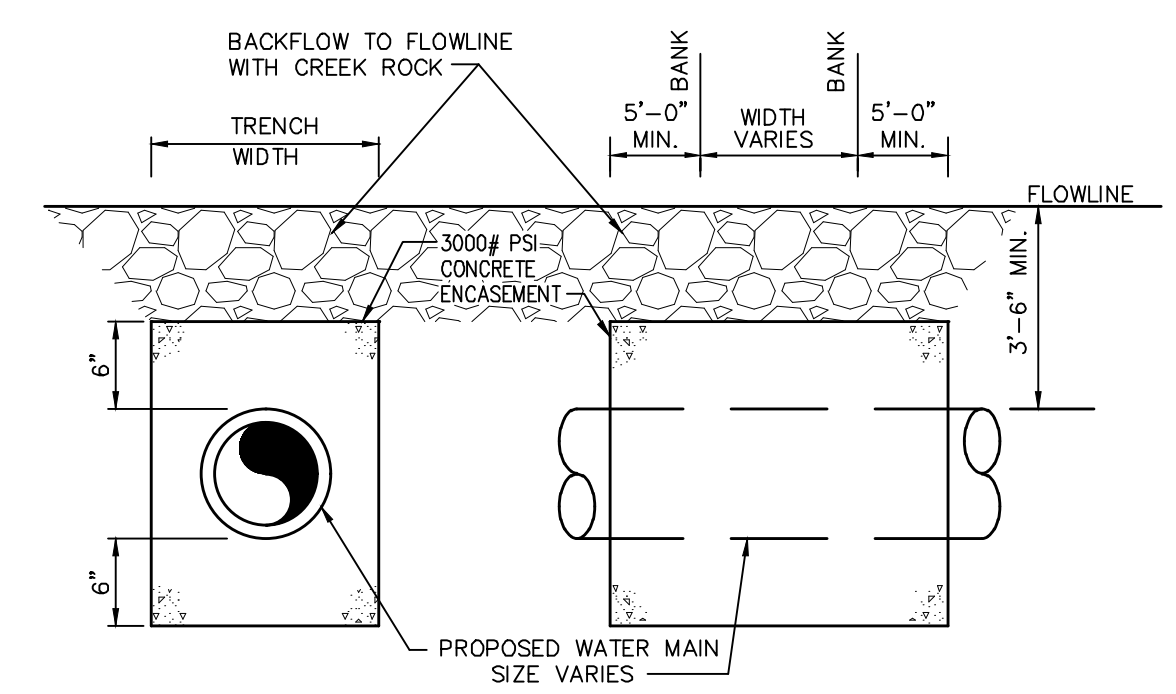
**Vertical Bends (45-Ell or less)**

SIZE	3"	4"	6"	8"	10"	12"
D	18"	27"	33"	36"	42"	58"
Volume (Cu. Ft.)	16	23	48	82	124	175

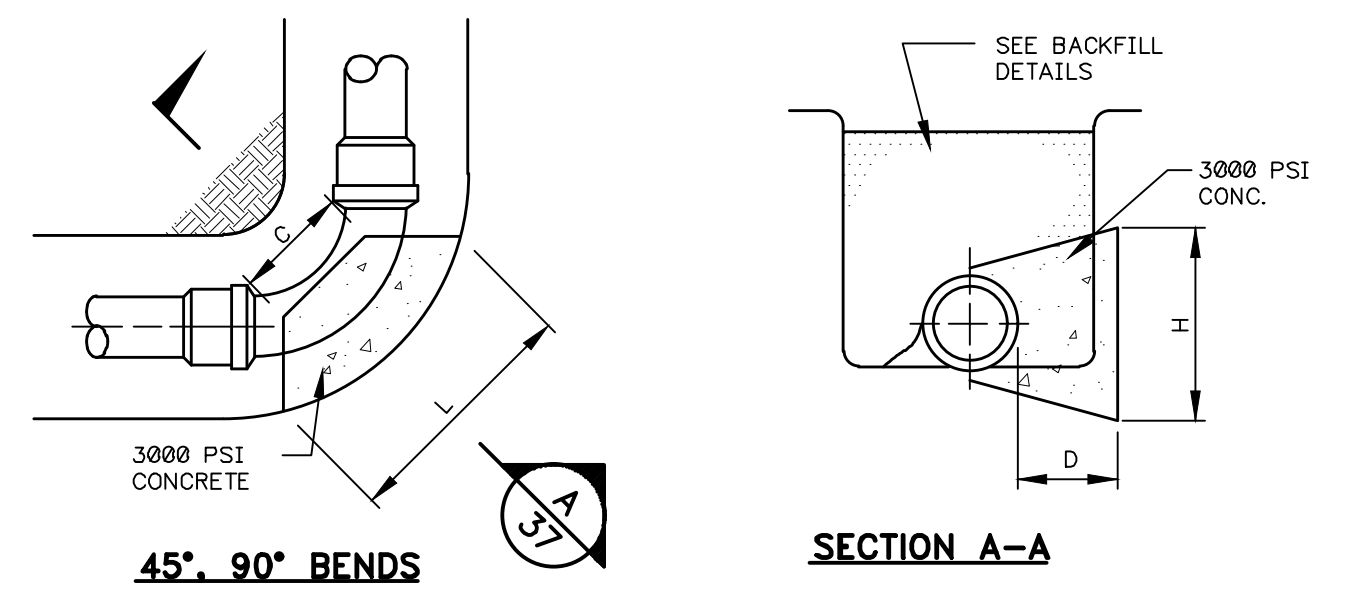
- NOTES:**
1. TABLES ARE BASED ON A SOIL BEARING CAPACITY OF 2000 POUNDS/SQUARE FOOT (PSF)
  2. IF SOIL BEARING CAPACITY IS LESS THAN 2000 PSF, OR PIPE IS LAID IN FILL, CONSULT ENGINEER.
  3. ALL FIGURES ARE MINIMUM UNLESS OTHERWISE STATED.
  4. BLOCKS MUST BE PLACED AGAINST UNDISTURBED EARTH.



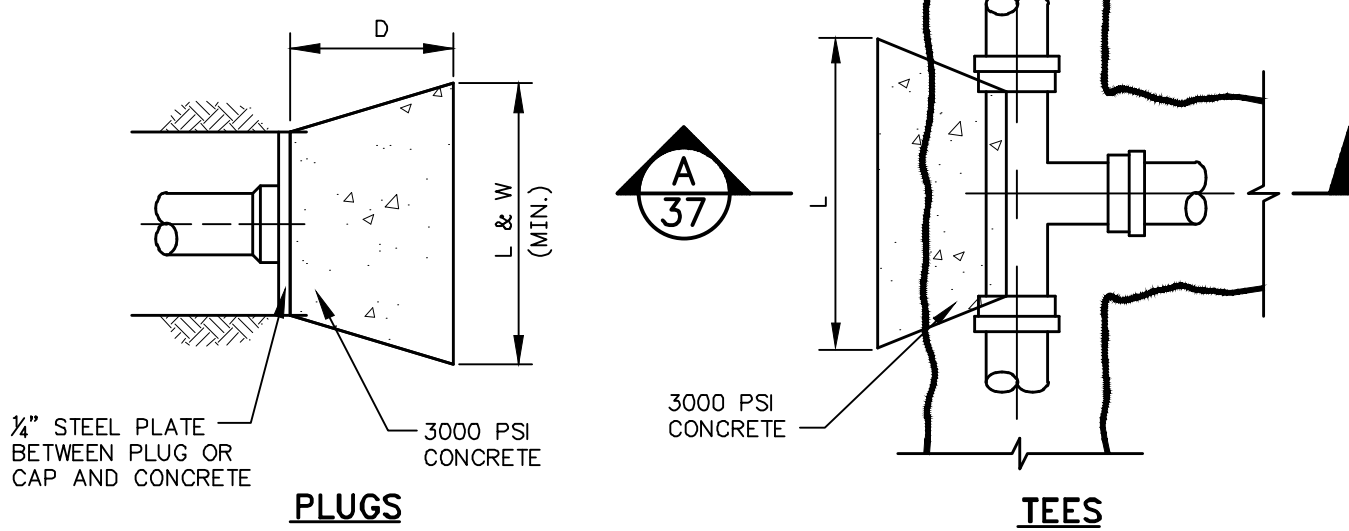
**WATER MAIN TRENCHING & BACKFILLING DETAILS**  
N.T.S.



**CREEK CROSSING DETAIL**  
N.T.S.



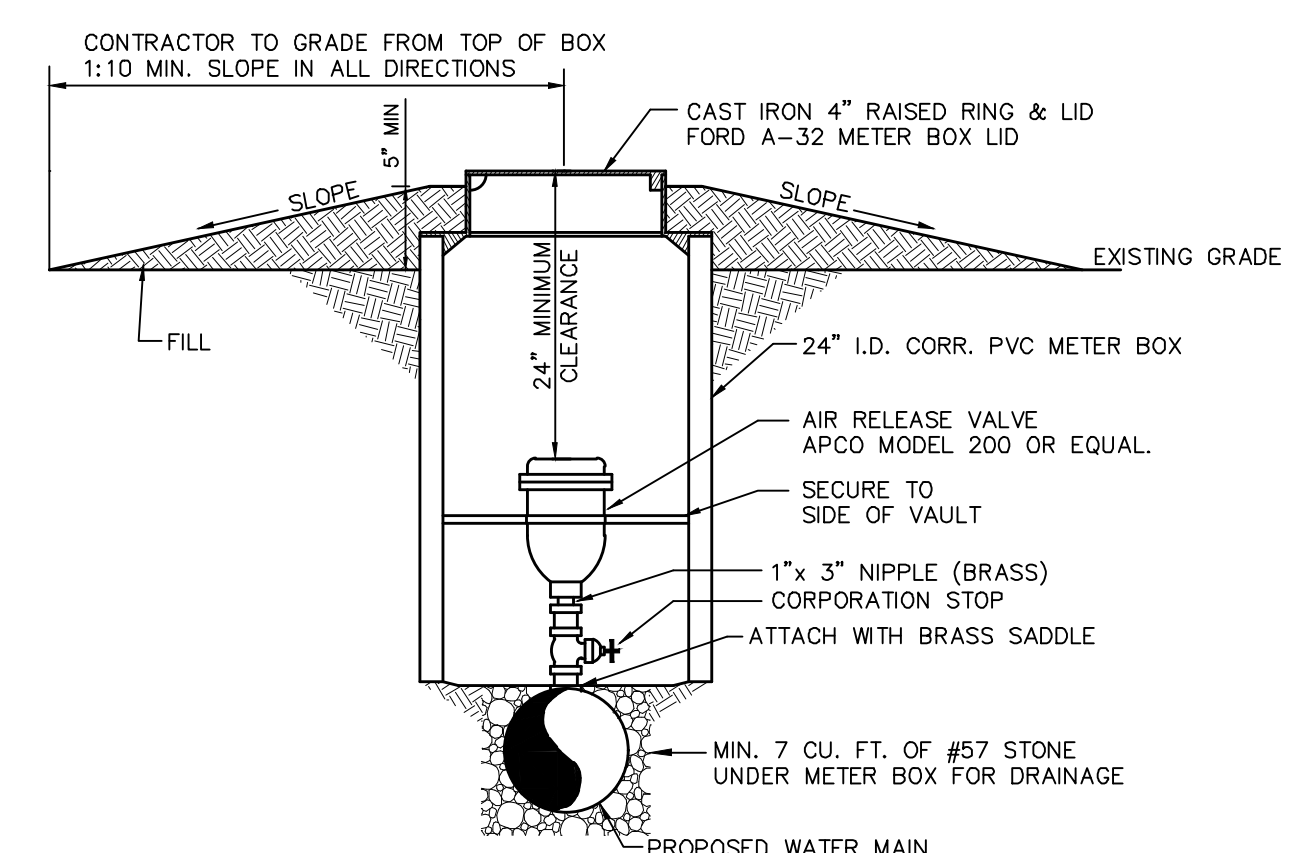
**45°-90° BENDS**



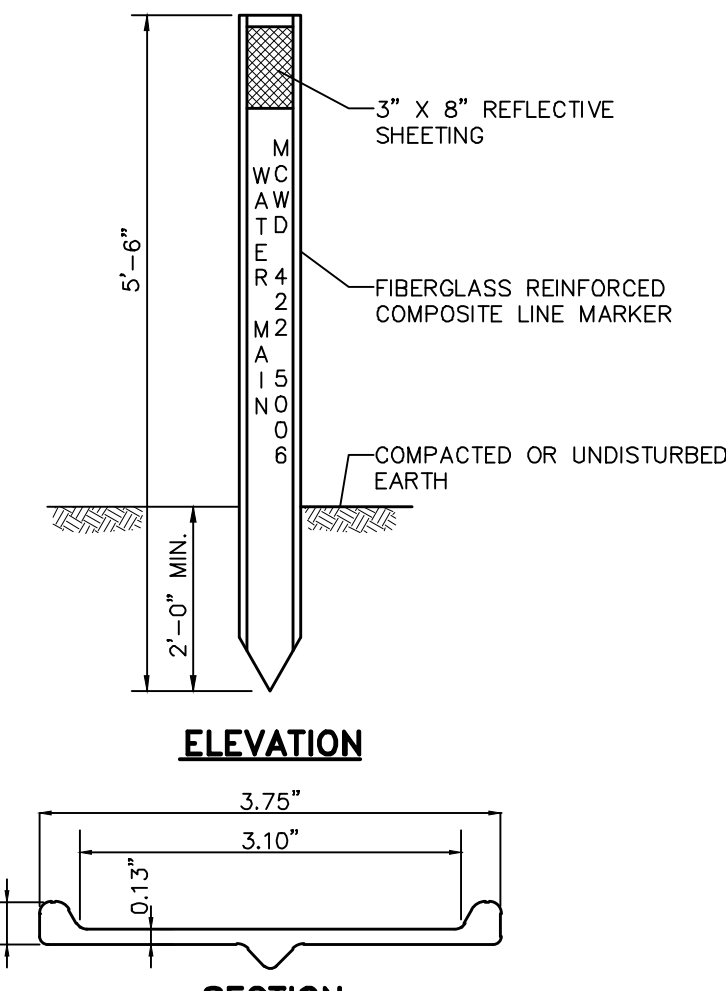
**CONCRETE THRUST BLOCKS**  
N.T.S.

**THRUST BLOCK SCHEDULE**

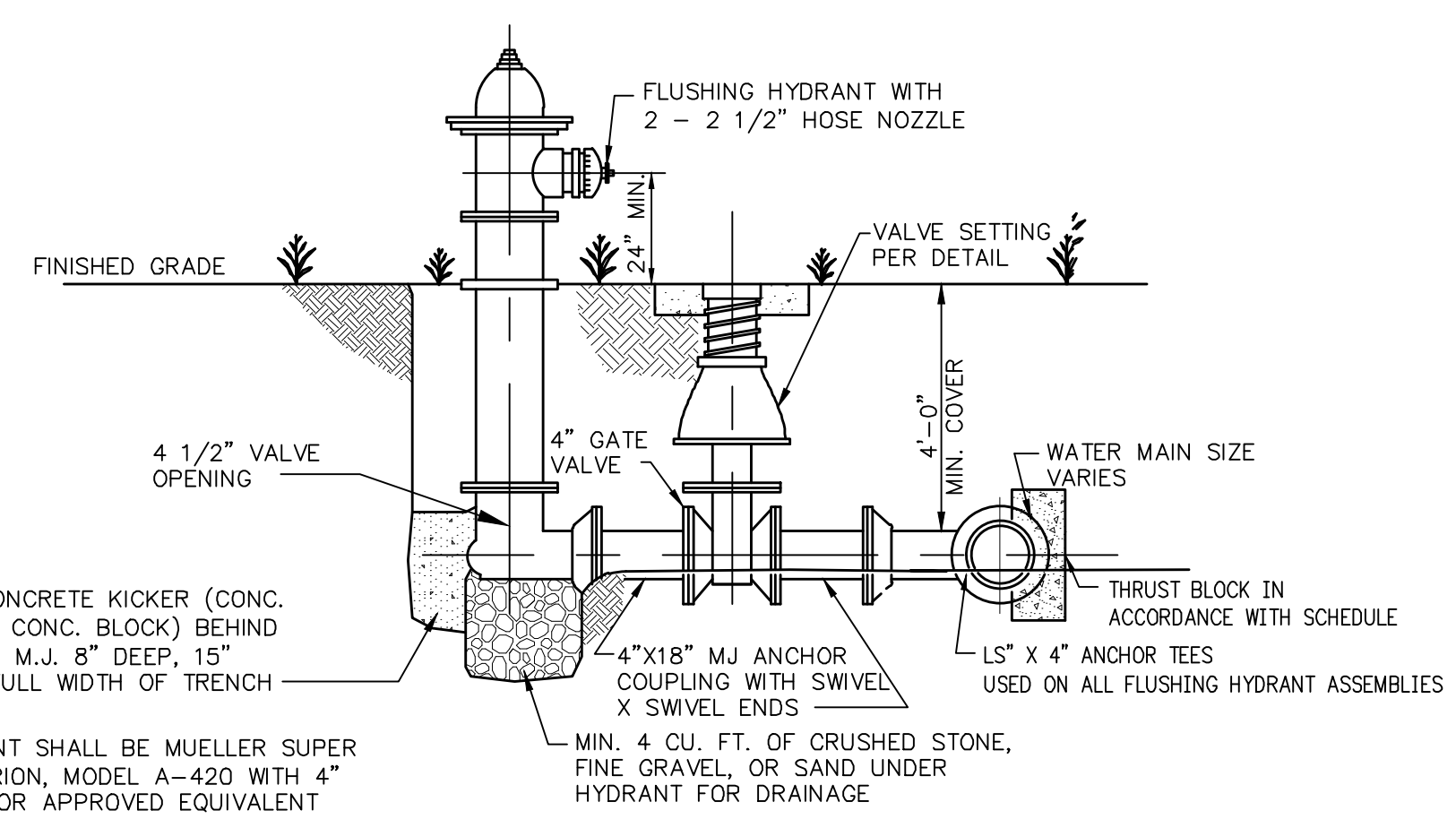
(FOR PRESSURE CLASS 250 PIPE)  
SDR 17, DR 14



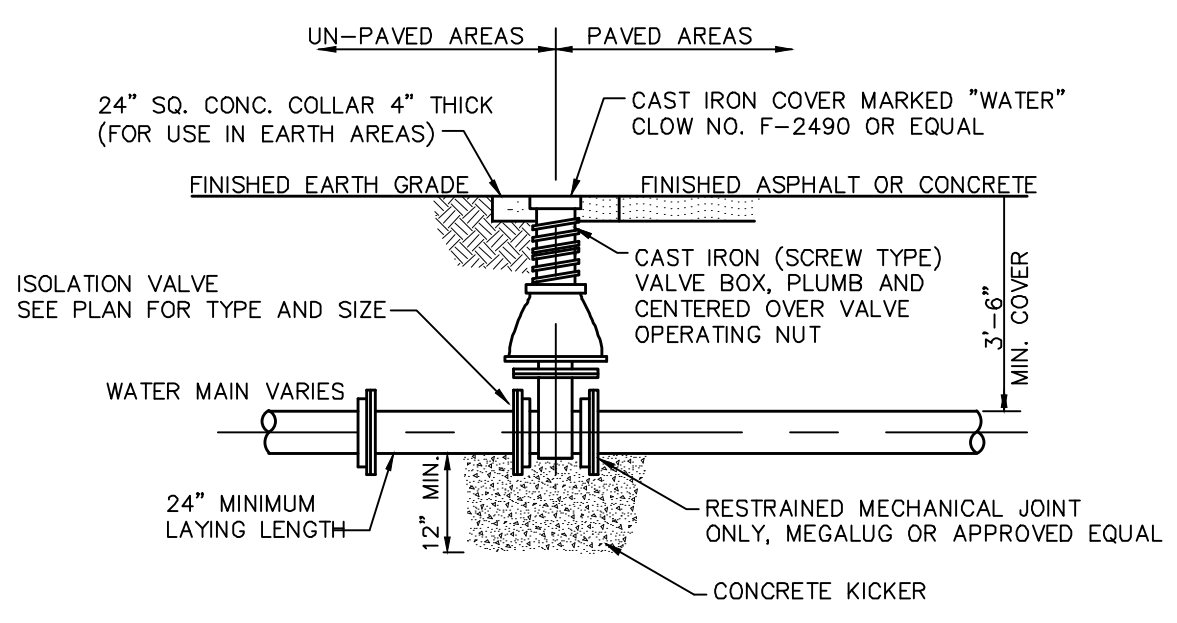
**AIR RELEASE VALVE AND BOX**  
N.T.S.



**FIBERGLASS LINE MARKER**  
N.T.S.



**FLUSHING HYDRANT ASSEMBLY**  
N.T.S.



**GATE VALVE INSTALLATION**  
N.T.S.

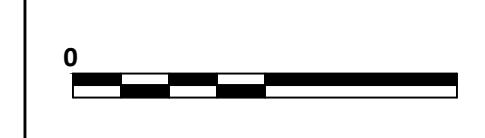


PROJECT MANAGER	KEVIN J. BRIAN	
DESIGNED BY	KEVIN J. BRIAN	
DRAWN BY	WILLIAM M. GUMM	
QA / QC	MIKE HANSEN	
ISSUE	DATE	DESCRIPTION
PROJECT NUMBER	10175028	



MEADE COUNTY WATER DISTRICT  
2019 WATER SYSTEM IMPROVEMENTS  
MEADE COUNTY, KENTUCKY

**CIVIL STANDARD DETAILS**



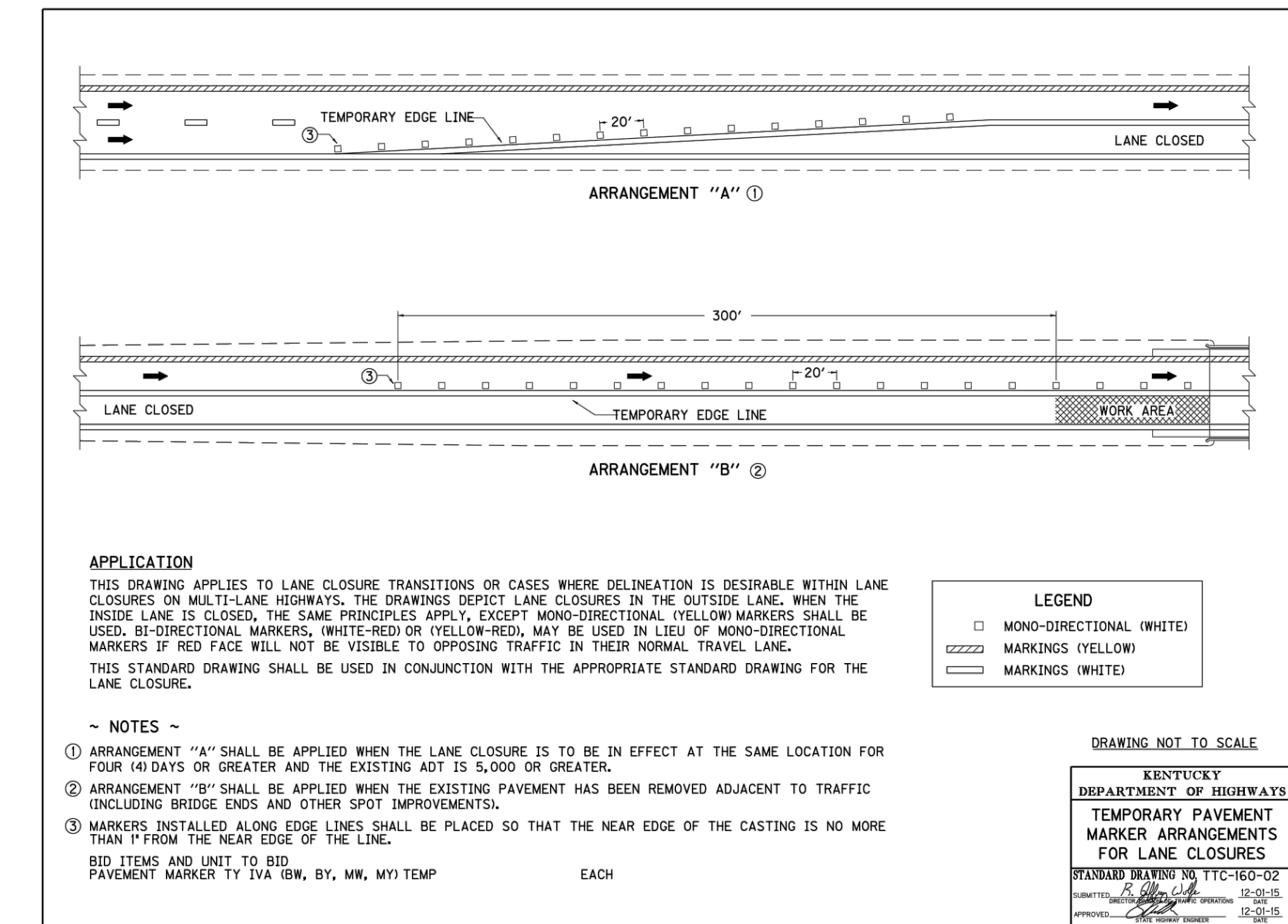
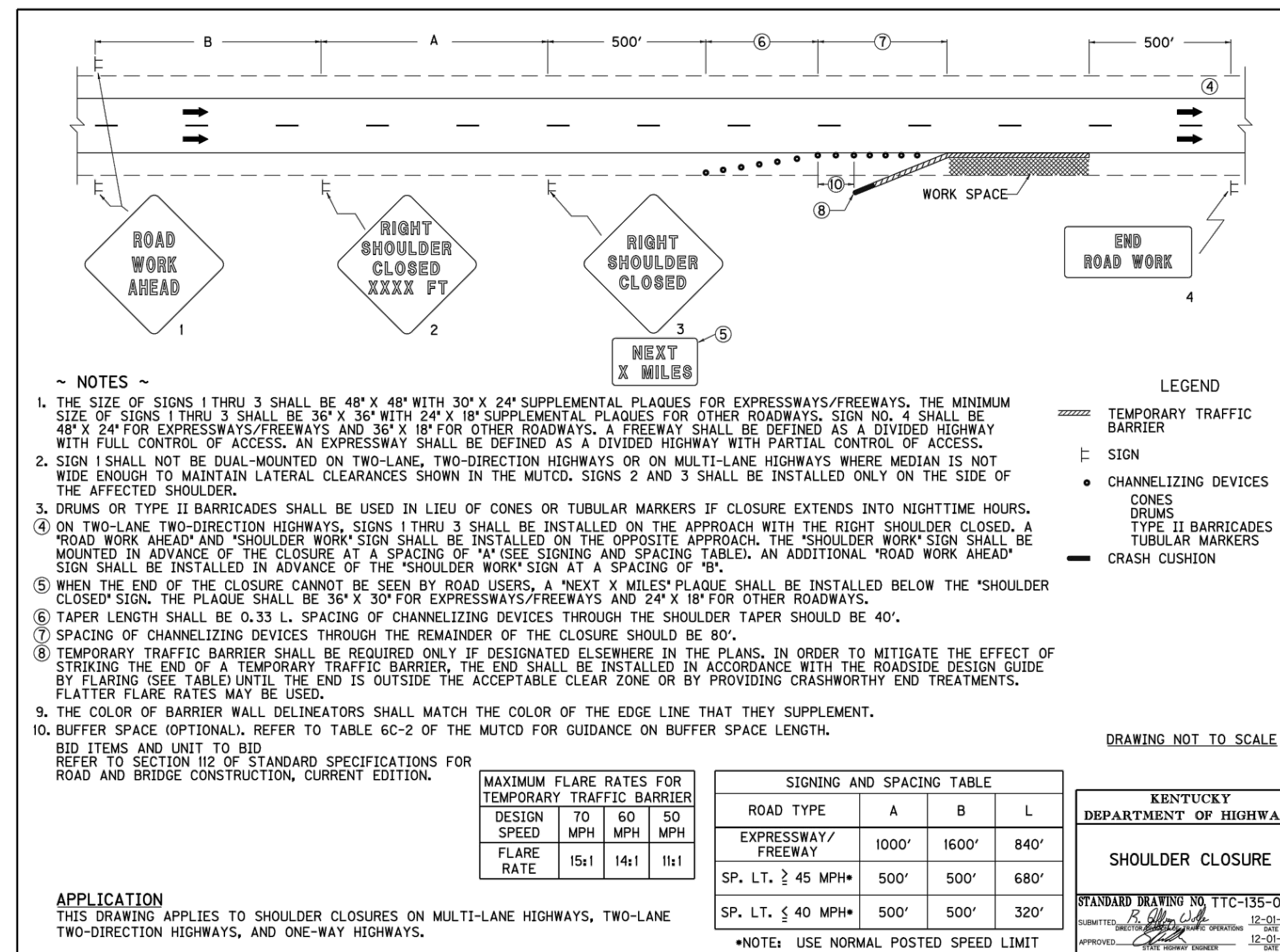
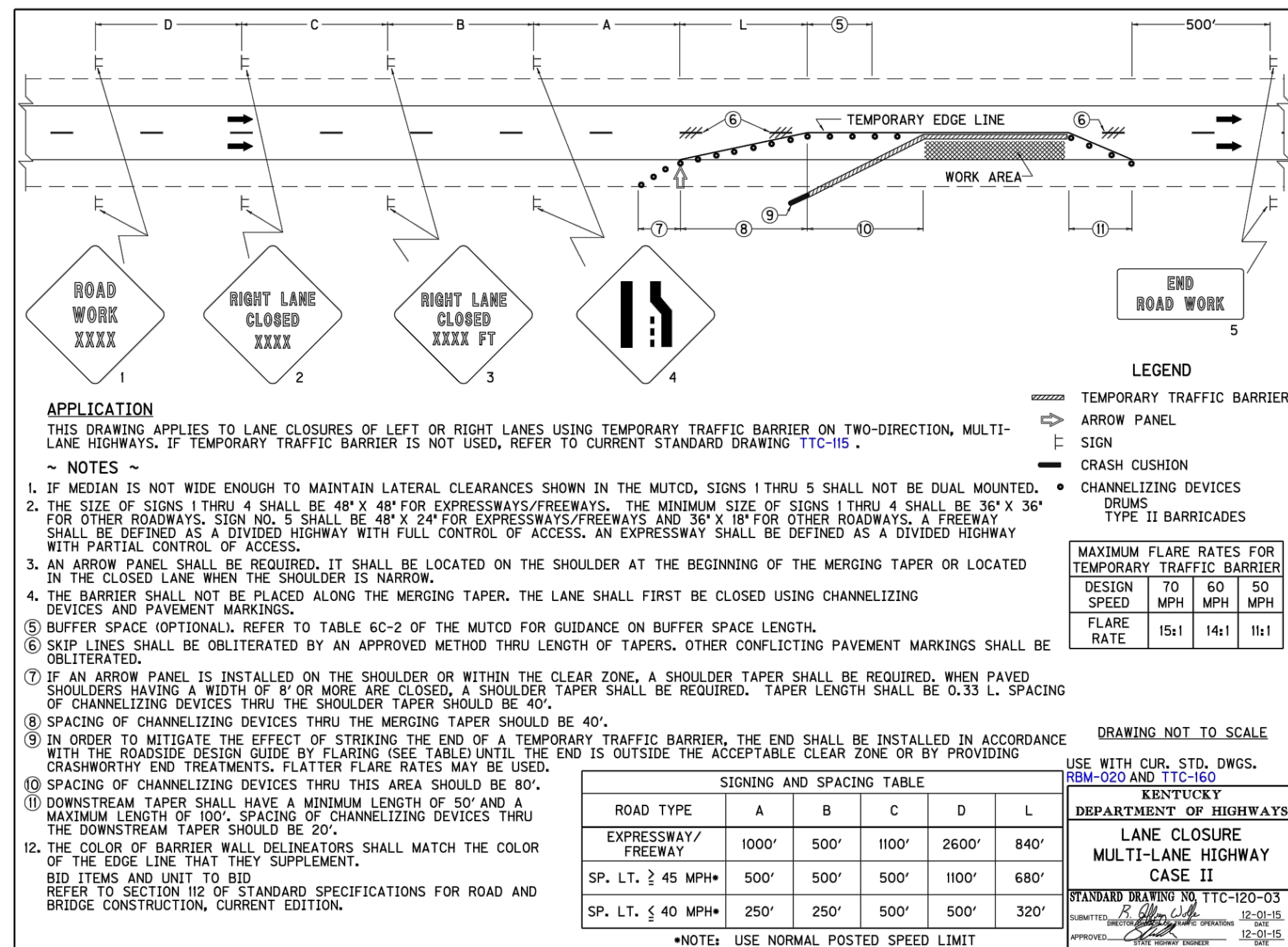
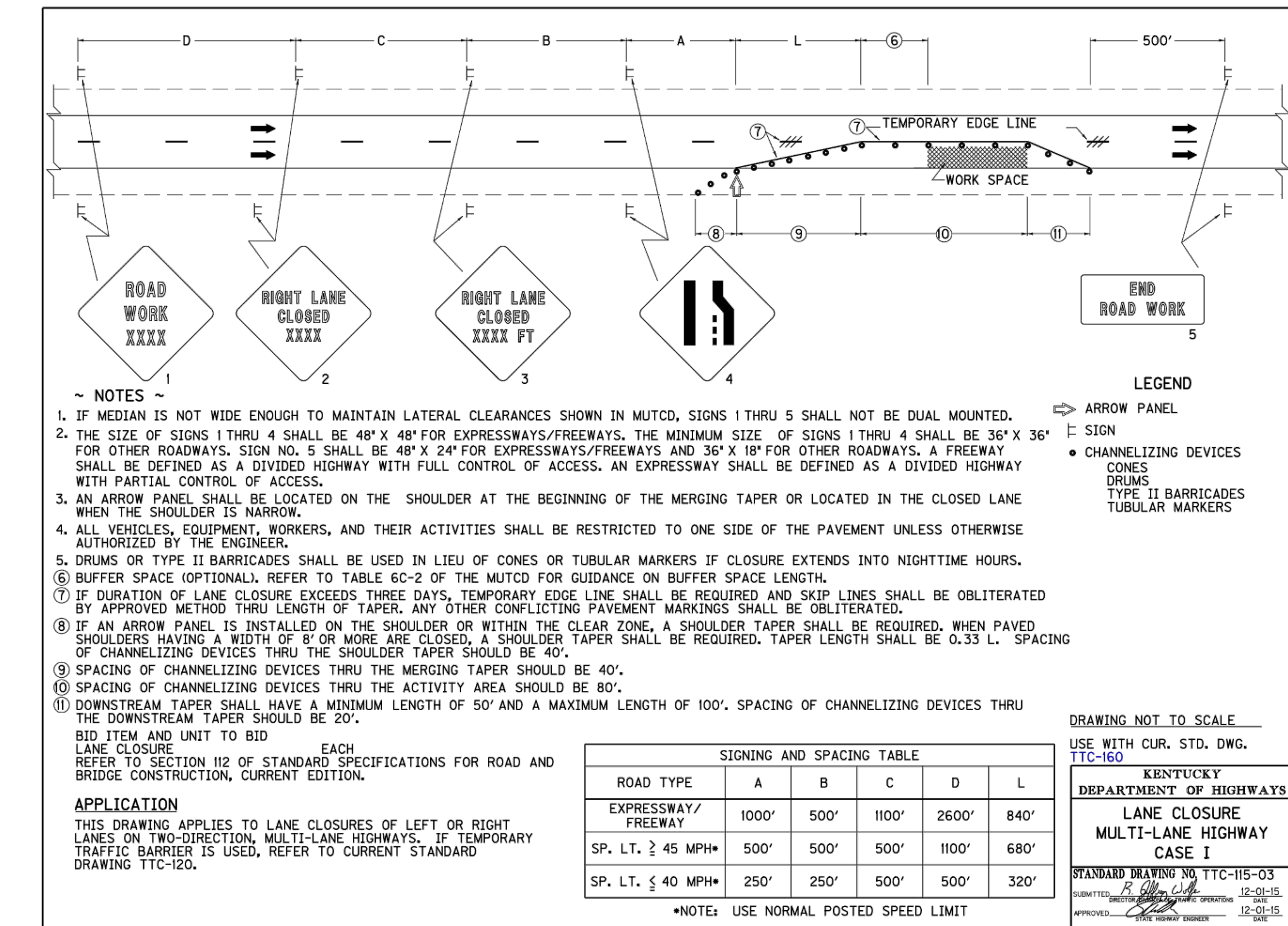
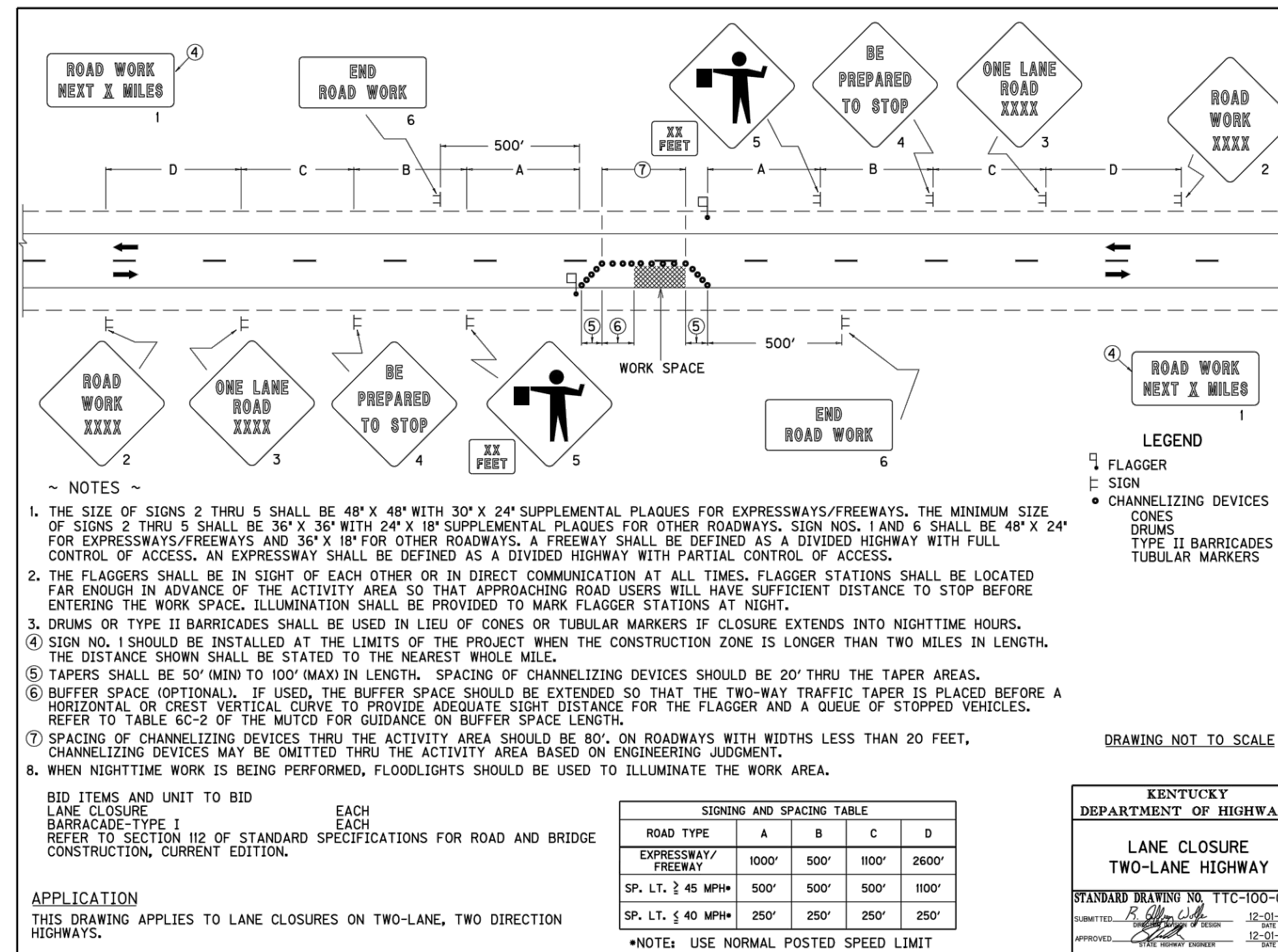
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SCALE | NONE

SHEET  
**C-54**



# GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009 AND THE KENTUCKY DEPARTMENT OF HIGHWAY STANDARD DRAWINGS, OR AS APPROVED BY THE KENTUCKY DEPARTMENT OF HIGHWAYS DISTRICT 4.
2. BUSINESSES SHALL BE NOTIFIED 5 WORKING DAYS PRIOR TO CLOSING THEIR DRIVEWAYS/ROADWAYS.
3. THE ENGINEER MAY REQUIRE THE USE OF ADDITIONAL SIGNAGE AND/OR BARRICADES OR ADJUSTMENT OF SIGNAGE SPACING TO BETTER FIT THE EXISTING PHYSICAL CONDITIONS OR TRAFFIC PATTERNS.
4. SIGNAGE SHALL BE EITHER COVERED OR MOVED BEHIND THE DITCH LINE AND MADE INACCESSIBLE TO THE VIEW OF TRAFFIC AT ANY TIME THE LANE IS NOT PHYSICALLY CLOSED OR WHERE THERE ARE NO CONSTRUCTION HAZARDS.
5. ALL SIGNAGE USED SHALL BE RETROREFLECTIVE.
6. FOR THIS PROJECT, COST INVOLVED WITH MINOR ADJUSTMENTS AND/OR ADDITIONS TO TRAFFIC CONTROL REQUIREMENTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, AND SHALL NOT BE REGARDED AS AN EXTRA PAY ITEM. IN THE EVENT OF A CHANGE IN SCOPE OF WORK, COST FOR ADJUSTMENTS AND/OR ADDITIONS TO TRAFFIC CONTROL REQUIREMENTS SHALL BE NEGOTIATED.



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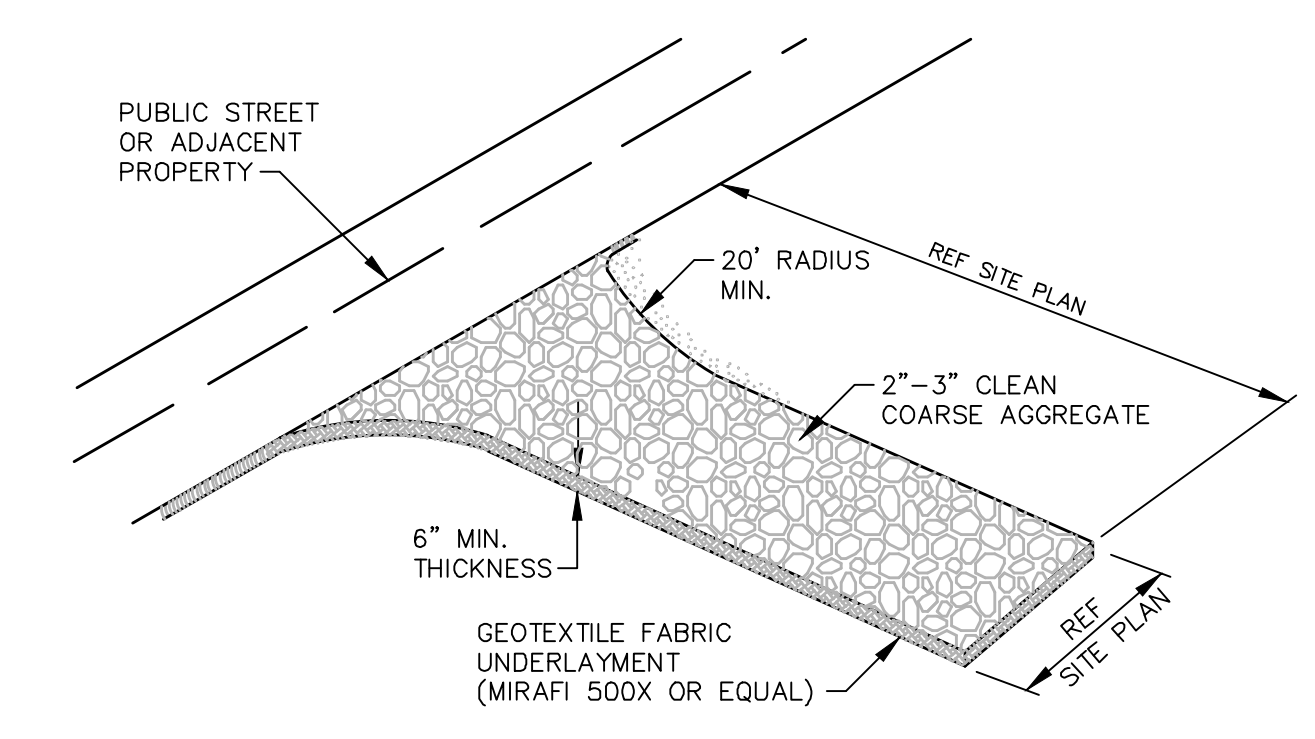
CIVIL  
 MAINTENANCE OF TRAFFIC DETAILS

FILENAME	C-55.dwg	SHEET	C-55
SCALE	NONE		





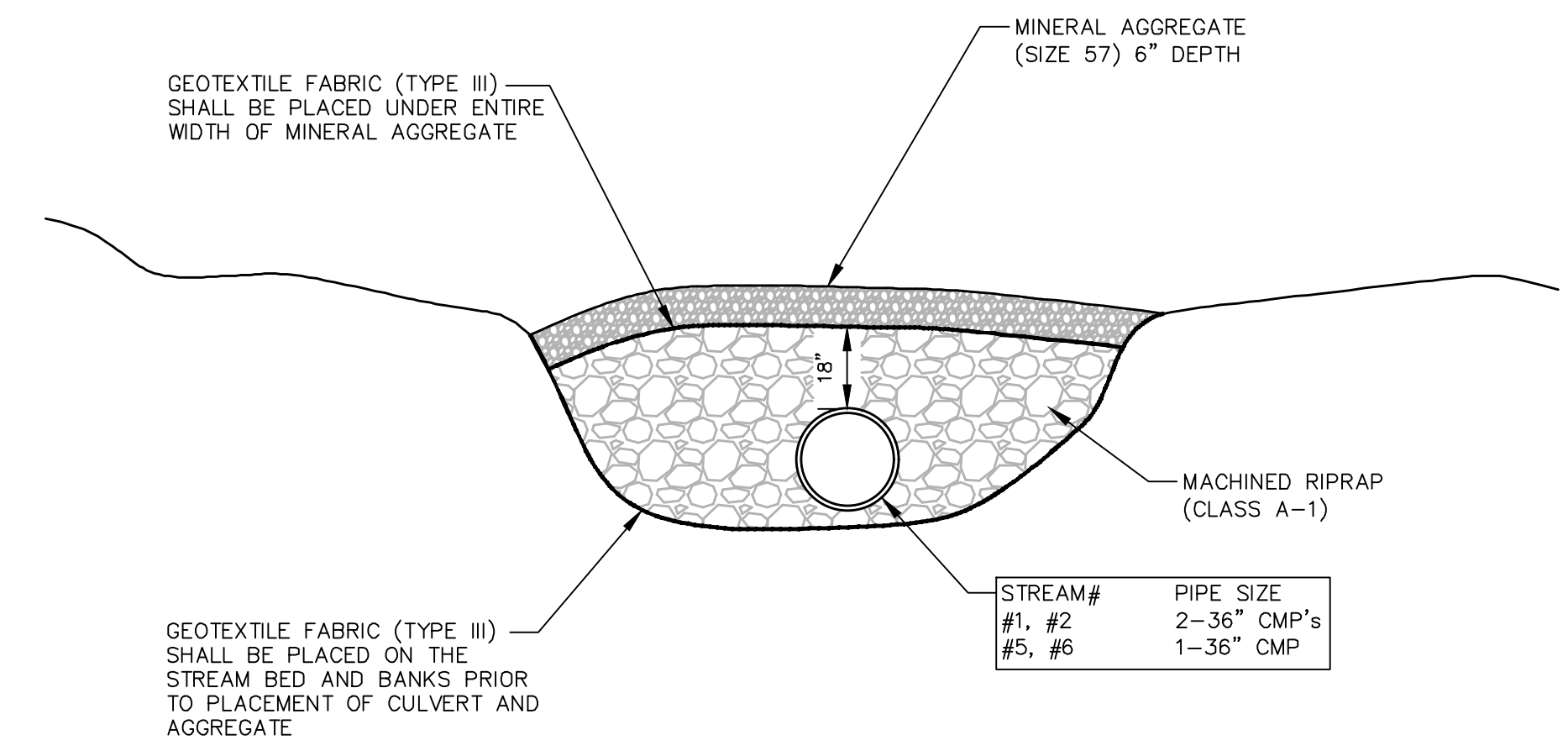




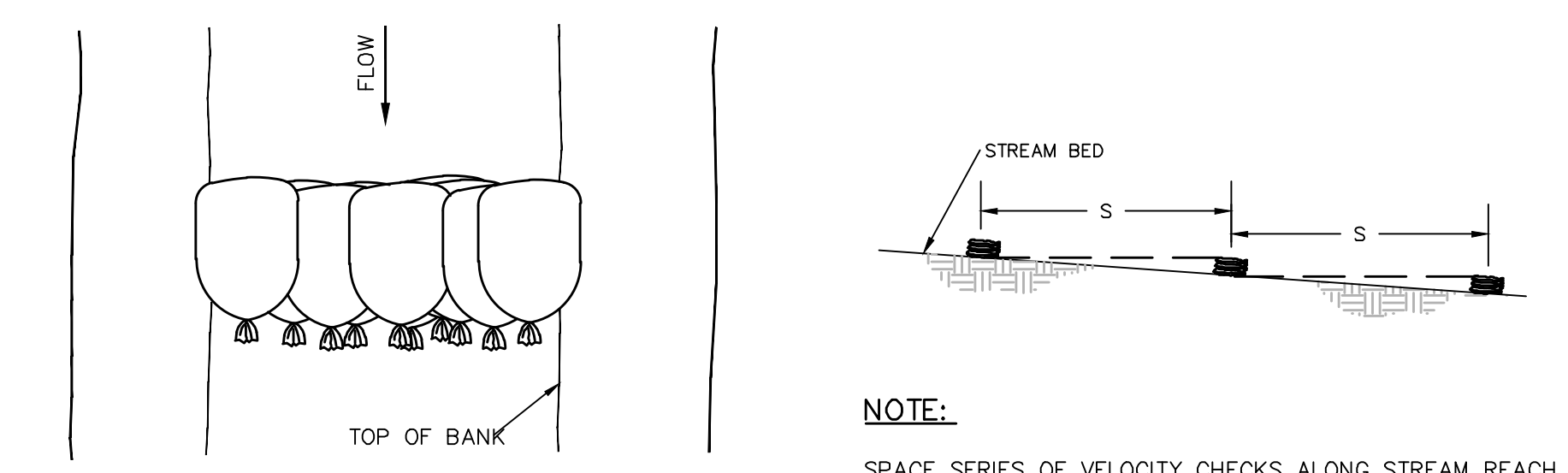
ISOMETRIC VIEW

- NOTES:**
- ADDITIONAL STONE MAY BE REQUIRED PERIODICALLY TO MAINTAIN PROPER FUNCTION OF EXIT.
  - REMOVE STONE AFTER CONSTRUCTION IS COMPLETE.

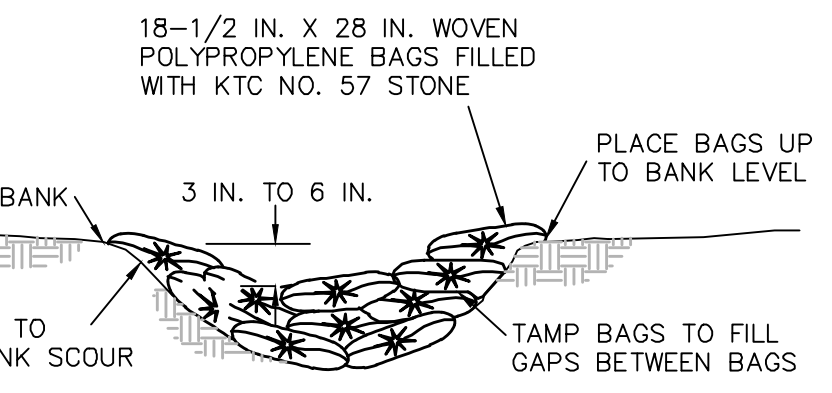
① **TEMPORARY CONSTRUCTION SITE ENTRANCE / EXIT**  
NOT TO SCALE



② **TEMPORARY STREAM CROSSING**  
NOT TO SCALE



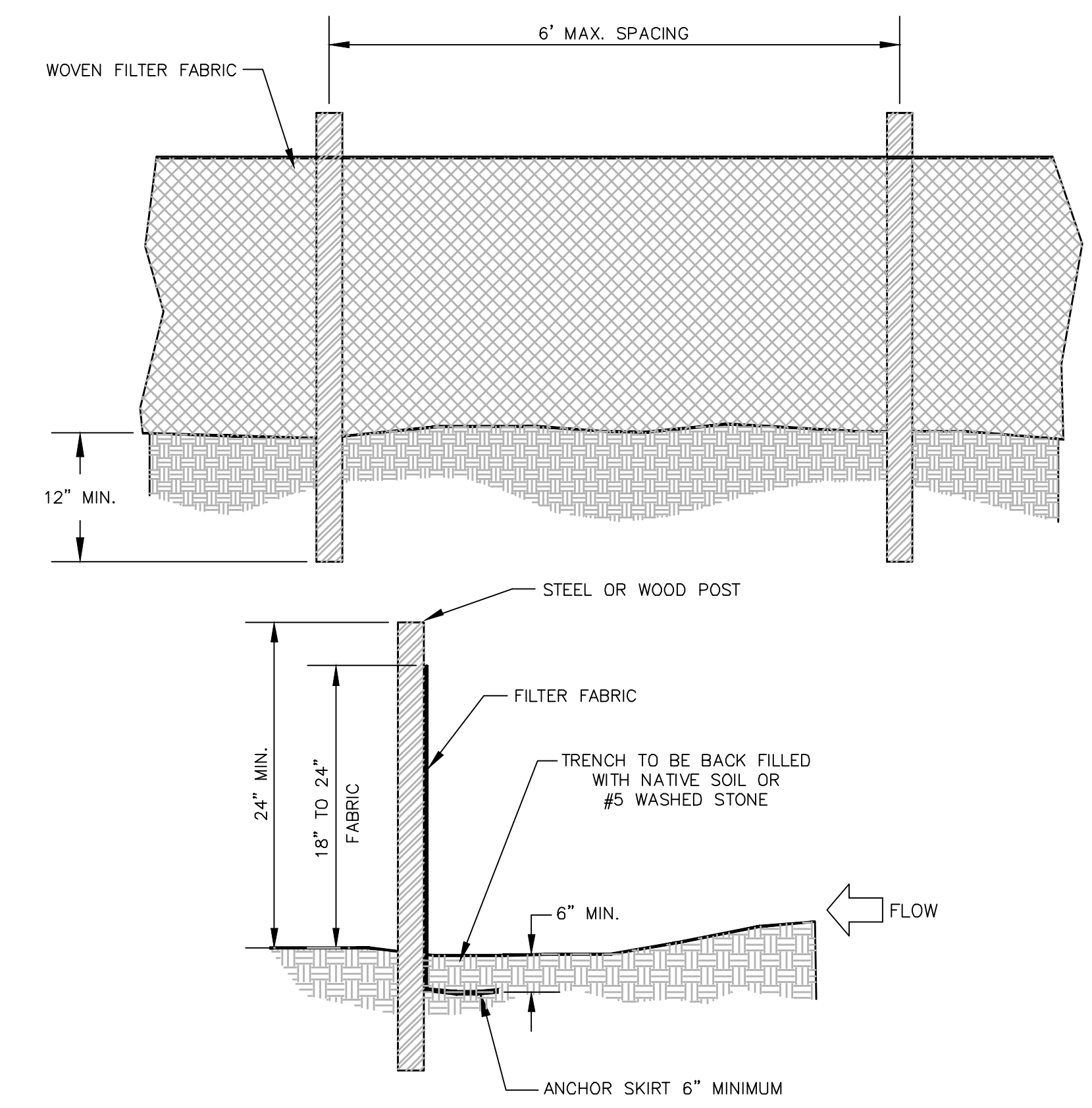
TYPICAL PLAN



TYPICAL CROSS SECTION

- NOTE:**
- SPACE SERIES OF VELOCITY CHECKS ALONG STREAM REACH. USE SPACING "S" SUCH THAT THE CRESTS OF DOWNSTREAM CHECKS ARE THE SAME ELEVATION AS THE TOE OF UPSTREAM CHECKS.

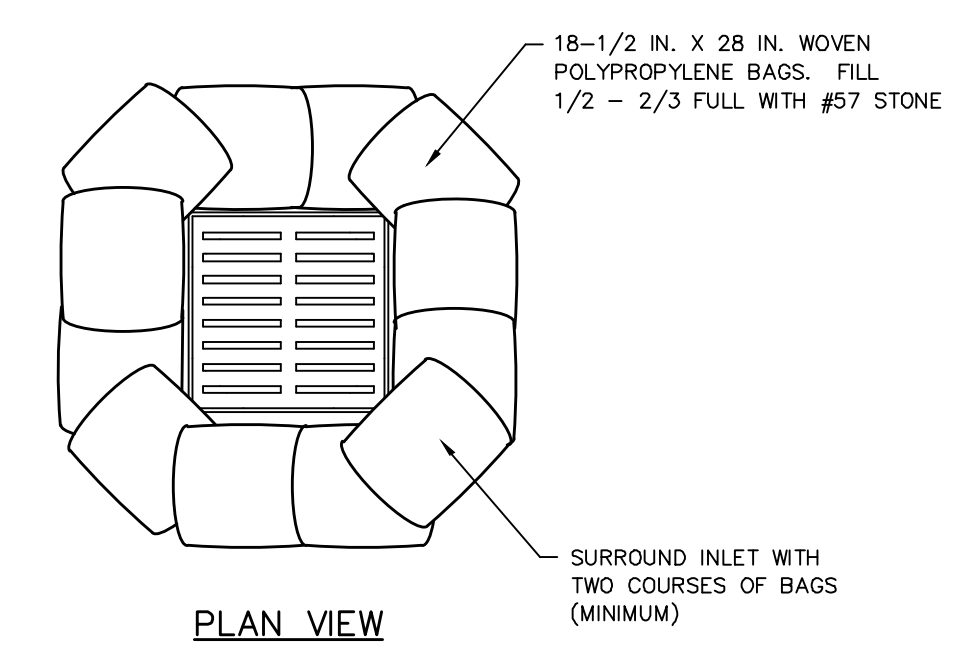
③ **STONE BAG CHECK DAM IN SMALL DITCH**  
NOT TO SCALE



④ **SILT FENCE**  
NOT TO SCALE

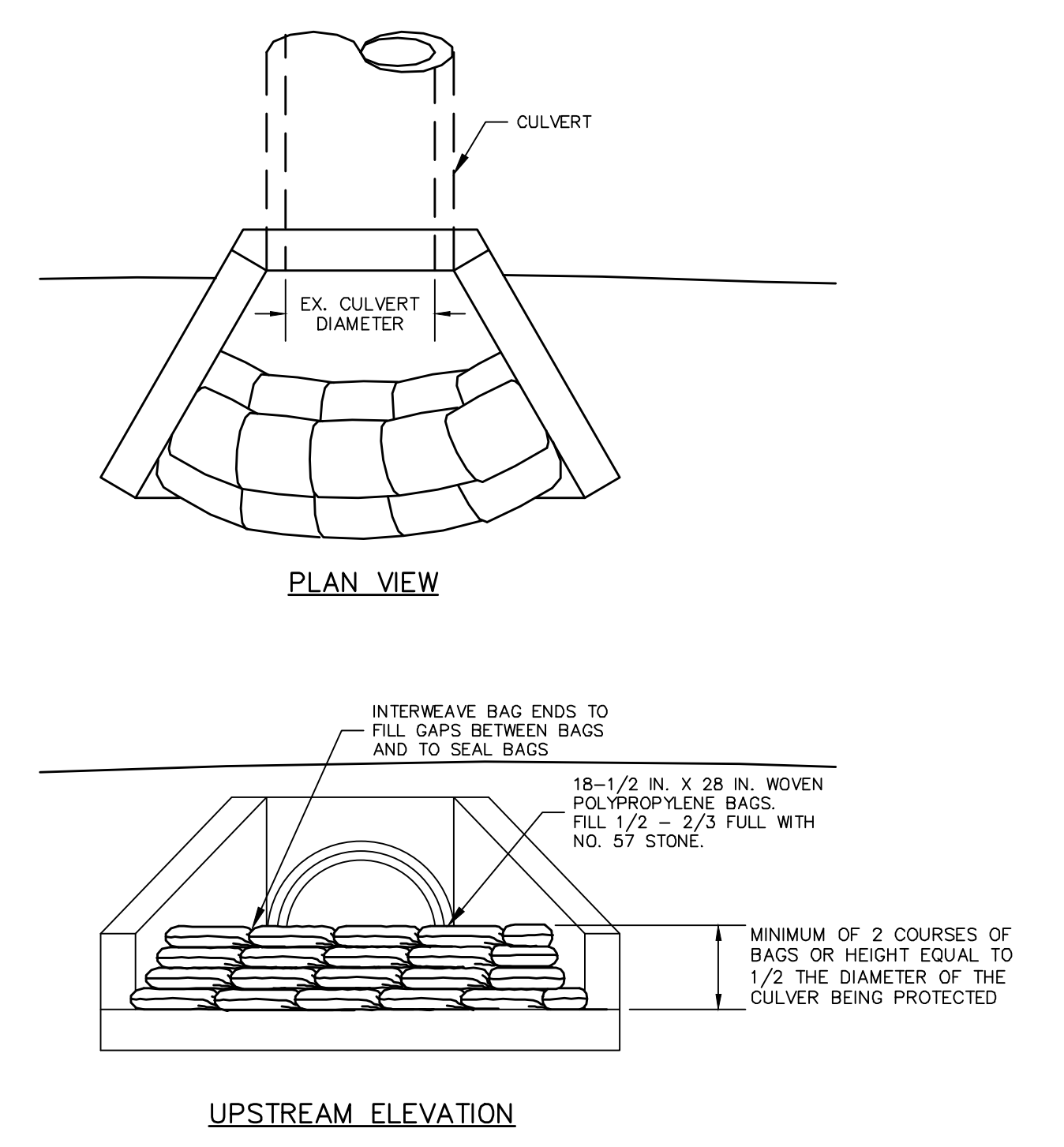
**SILT FENCE NOTES:**

- THE FENCE SHOULD BE PLACED ACROSS THE SLOPE ALONG A LINE OF UNIFORM ELEVATION (PERPENDICULAR TO THE DIRECTION OF FLOW). THE FENCE SHOULD BE LOCATED AT LEAST 10- FEET FROM THE TOE OF STEEP SLOPES TO PROVIDE SEDIMENT STORAGE AND ACCESS FOR MAINTENANCE AND CLEANOUT. THE ENDS SHOULD BE TURNED UP SLOPE TO CREATE TIE-BACKS FOR PONDING WATER.
- A FLAT-BOTTOM TRENCH APPROXIMATELY 6-INCHES WIDE AND 6-INCHES DEEP, OR A V-SHAPED TRENCH 8-INCHES DEEP SHOULD BE EXCAVATED, ON THE DOWNSLOPE SIDE OF THE TRENCH, DRIVE THE 2-INCH X 2-INCH WOOD POSTS AT LEAST 12-INCHES INTO THE GROUND, SPACING THEM NO FURTHER THAN 6- FEET APART. STEEL POSTS SHALL BE 1.33 LBS PER LINEAR FOOT.
- POSTS SHOULD BE INSTALLED, WITH 1- TO 2-INCHES OF THE POST PROTRUDING ABOVE THE TOP OF THE FABRIC AND NO MORE THAN 3- FEET OF THE POST SHOULD PROTRUDE ABOVE THE GROUND. THE MINIMUM FENCE HEIGHT (HEIGHT OF FILTER FABRIC ABOVE GRADE) SHALL BE 18-INCHES. THE MAXIMUM FENCE HEIGHT (HEIGHT OF FILTER FABRIC ABOVE GRADE) SHALL BE 24-INCHES.
- THE FILTER FABRIC SHOULD BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHOULD BE WRAPPED TOGETHER ONLY AT A SUPPORT POST WITH BOTH ENDS SECURELY FASTENED TO THE POST, WITH A MINIMUM 6-INCH OVERLAP.
- EXTRA-STRENGTH FILTER CLOTH (50 POUNDS/LINEAR INCH MINIMUM TENSILE STRENGTH) SHOULD BE USED. A 2-INCH WIDE LATHE SHALL BE STAPLED OVER THE FILTER FABRIC TO SECURELY FASTEN IT TO THE UPSLOPE SIDE OF THE POSTS. THE STAPLES USED SHOULD BE 1.5-INCH HEAVY-DUTY WIRE STAPLES SPACED A MAXIMUM OF 8-INCHES APART.
- PLACE THE BOTTOM 12-INCHES OF THE FILTER FABRIC INTO THE 6-INCH DEEP TRENCH, EXTENDING THE REMAINING 6-INCHES TOWARDS THE UPSLOPE SIDE OF THE TRENCH AND BACKFILL THE TRENCH WITH SOIL OR GRAVEL AND COMPACT.
- REINFORCED SILT FENCE SHALL USE STEEL POSTS AND 6-INCH BY 6-INCH 14 GAUGE WIRE MESH. THE WIRE MESH SHALL BE FASTENED TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1-INCH LONG, TIE WIRES, OR HOG RINGS. EXTEND THE MESH 6-INCHES INTO THE TRENCH. THE FILTER FABRIC SHALL BE FASTENED TO THE FENCE ON THE UPSLOPE SIDE OF THE WIRE MESH.
- SILT FENCE MOVED TO PROVIDE CONSTRUCTION ACCESS SHALL BE REINSTALLED BY THE END OF THE WORKDAY.
- SILT FENCE SHOULD BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER TEMPORARY BMP'S ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHOULD BE REMOVED OR STABILIZED ON SITE. DISTURBED AREAS RESULTING FROM FENCE REMOVAL SHALL BE PERMANENTLY STABILIZED PER FINAL RESTORATION REQUIREMENTS.

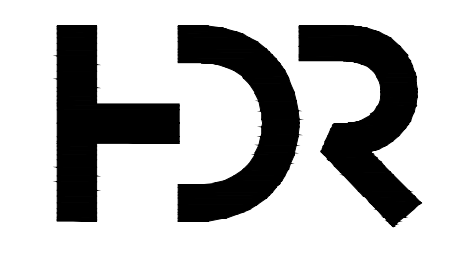


⑤ **STONE BAG INLET PROTECTION**  
NOT TO SCALE

- NOTE:**
- THE 12-INCH HEIGHT REQUIREMENT IS WAIVED IN CASES WHERE IT WILL CAUSE FLOOD DAMAGE IF THE STONE BAGS ARE OVERTOPPED.



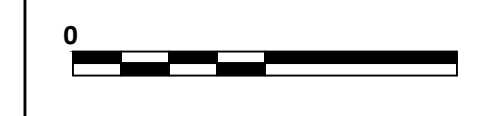
⑥ **WINGED HEADWALL INLET PROTECTION**  
NOT TO SCALE



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CIVIL  
EPSC DETAILS

FILENAME C-57.dwg  
SCALE NONE

SHEET  
C-57