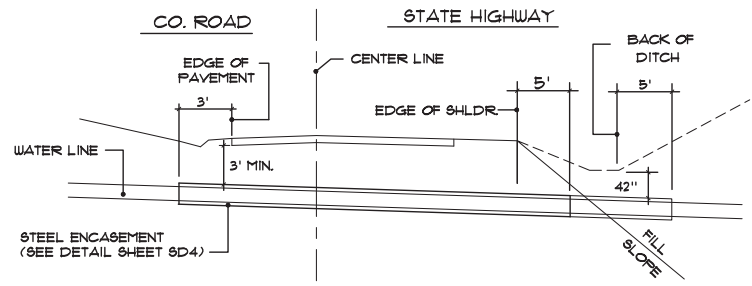


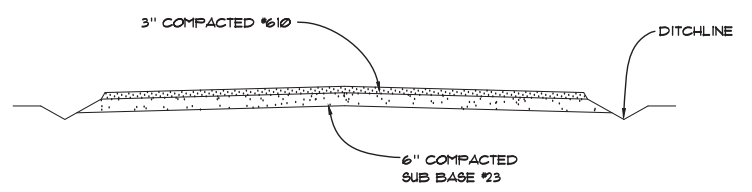
- NOTES:**
1. NO EXTRA PAY ALLOWED FOR CONCRETE COLLAR.
 2. CONCRETE COLLAR REQUIRED ON ALL VALVES.
 3. CONCRETE COLLARS SHALL BE FORMED IN THE FIELD AND POURED IN PLACE. PRE-FABRICATED COLLARS ARE NOT ACCEPTABLE.
 4. VALVE COLLARS IN TRAFFIC AREAS SHALL BE 6" MIN. THICKNESS, 24" SQUARE AND CONTAIN 4 - #4 REBAR, EACH WAY, AT 4" DEPTH.
 5. 18" ADS N-12 PIPE MAY BE USED AS FORM AND LEFT IN PLACE.
 6. VALVE COLLAR SHALL SLOPE AWAY FROM VALVE BOX. FINAL GRADE OF VALVE COLLAR SHALL MATCH FINAL GRADE OF AREA.
 7. COLLAR SHALL BE POURED ON FIRM FOUNDATION TO PREVENT SETTLEMENT. SETTLEMENT OR CRACKING SHALL BE CAUSE FOR REMOVAL AND REPLACEMENT.

TYPICAL VALVE SETTING
SCALE: N.T.S.

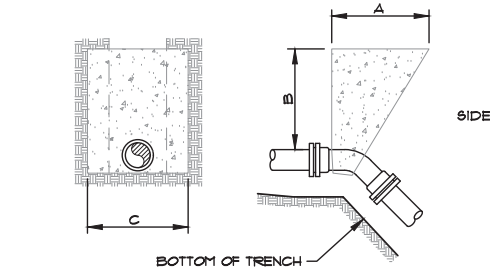


TYPICAL ROAD CROSSING
SCALE: N.T.S.

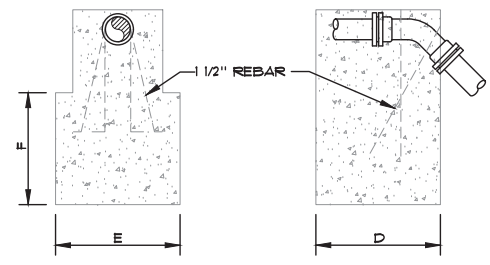
NOTE:
FILTER FABRIC SHALL BE INSTALLED UNDER ACCESS ROAD.



TYPICAL ACCESS ROAD/PARKING AREA
SCALE: N.T.S.

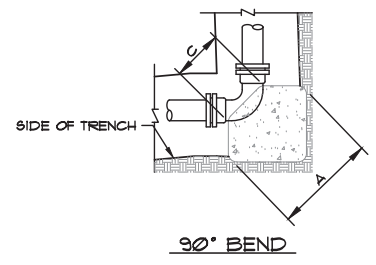


45° VERTICAL BEND

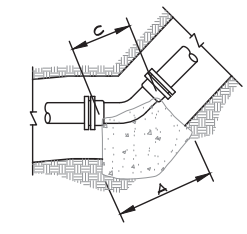


45° VERTICAL BEND

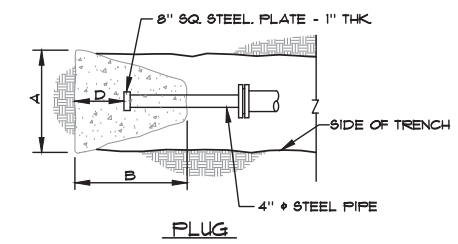
NOTE:
ROMAC-STYLE GRIP RINGS MAY ONLY BE INSTALLED ON PIPE DIAMETER 8" OR LESS. MEGALUG-STYLE RESTRAINTS ARE REQUIRED FOR ALL PIPE LARGER THAN 8" DIAMETER



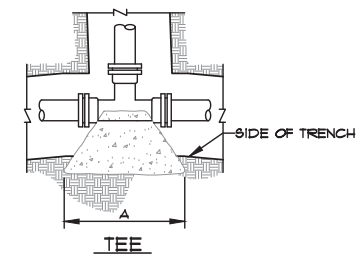
90° BEND



45°-22 1/2°-11 1/4° BEND

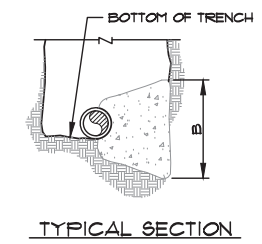


THRUST BLOCKING
SCALE: N.T.S.



TEE

- NOTES:**
1. THRUST BLOCKS DESIGNED FOR 100 PSI PRESSURE AND 1000 PPF SOIL BEARING. FOR GREATER PRESSURE OR LESS SOIL BEARING, QUANTITIES WILL HAVE TO BE RECALCULATED.
 2. THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
 3. IF EXACT SIZE PIPE BLOCKING IS NOT SHOWN, USE NEXT LARGER SIZE.
 4. THRUST BLOCKING TO BE POURED IN PLACE CLASS B CONC.



TYPICAL SECTION

90° BEND										
SIZE	24"	20"	18"	16"	12"	10"	8"	6"	4"	2"
A	88	80	72	64	50	40	33	26	16	16
B	88	80	72	64	50	40	33	24	16	16
C	45	38	32	30	16	15	12	12	9	9
D	48	40	36	32	25	20	16	12	8	9

45° BEND										
SIZE	24"	20"	18"	16"	12"	10"	8"	6"	4"	2"
A	72	60	54	48	37	31	24	18	12	12
B	72	60	54	48	37	31	24	18	12	12
C	22	20	16	18	16	14	12	12	8	8
D	32	28	25	22	18	15	12	9	6	6

45° VERTICAL BEND										
SIZE	24"	20"	18"	16"	12"	10"	8"	6"	4"	2"
A	72	60	60	45	36	36	36	36	24	24
B	60	48	48	45	36	36	36	36	24	24
C	96	84	84	72	60	60	60	60	48	48
D	84	72	72	60	48	48	48	48	36	36
E	84	72	72	60	48	48	48	48	36	36
F	84	72	72	60	48	48	48	48	36	36

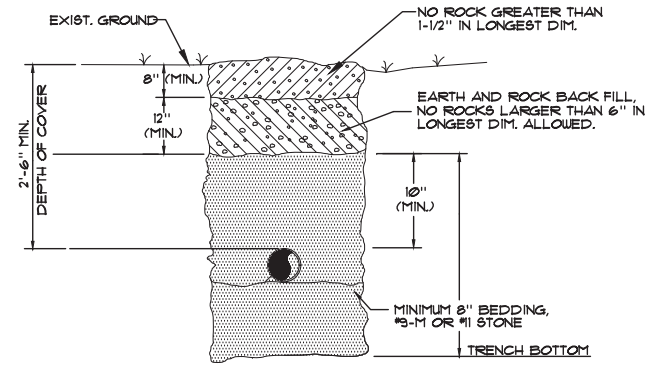
22 1/2° BEND										
SIZE	24"	20"	18"	16"	12"	10"	8"	6"	4"	2"
A	50	42	38	34	26	23	18	13	9	9
B	50	42	38	34	26	23	18	13	9	9
C	22	20	16	18	16	14	12	10	8	8
D	26	22	18	16	13	11	9	6	4	4

11 1/4° BEND										
SIZE	24"	20"	18"	16"	12"	10"	8"	6"	4"	2"
A	36	30	27	24	18	16	13	11	9	9
B	36	30	27	24	18	16	13	11	9	9
C	22	20	16	18	16	14	12	10	8	8
D	22	18	14	12	9	8	6	5	4	4

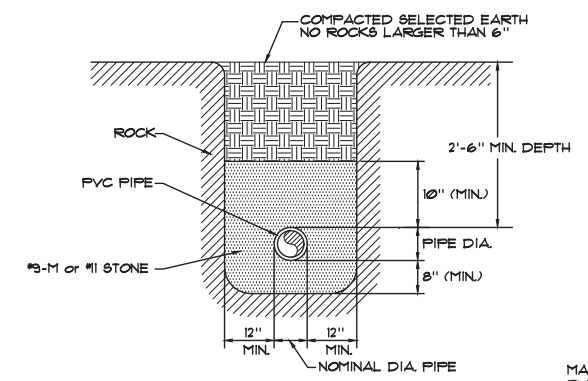
PLUG										
SIZE	24"	20"	18"	16"	12"	10"	8"	6"	4"	2"
A	80	66	60	54	52	43	34	26	26	26
B	80	66	60	54	52	43	34	26	26	26
C	12	12	12	12	12	12	12	12	12	12
D	72	60	54	44	32	22	15	11	11	11

TEE										
SIZE	24"	20"	18"	16"	12"	10"	8"	6"	4"	2"
A	80	66	60	54	52	43	34	26	26	26
B	80	66	60	54	52	43	34	26	26	26
C	45	36	32	30	12	12	12	12	12	12
D	48	40	36	30	26	21	13	21	13	13

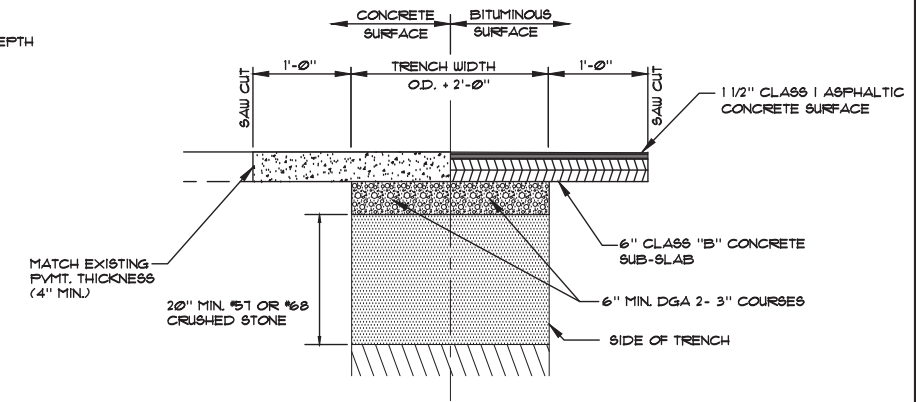
DIMENSIONS ARE IN INCHES



TYPICAL BEDDING/BACKFILL SOIL EXCAVATION
SCALE: N.T.S.



TYPICAL STONE ENVELOPE FOR PIPE LAID IN ROCK
SCALE: N.T.S.



DETAIL - PAVEMENT REPLACEMENT (NON-STATE MAINTAINED STREETS/ROADS)
SCALE: N.T.S.

NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE
3	2/1/21	MISC. NOTE REVISIONS	CAS	CAS	2/1/21
2	7/20/17	MISC. NOTE REVISIONS	CAS	CAS	7/20/17
1	7/17/17	REVISE VALVE MODEL NUMBER	CAS	CAS	7/17/17

PROJECT: 427100	DATE: FEB. 2021	
SCALE: N.T.S.		
DESIGNED BY	NAME	DATE
DRAWN BY	SAB	
CHECKED BY	CAS	
RECORD DUGS.		



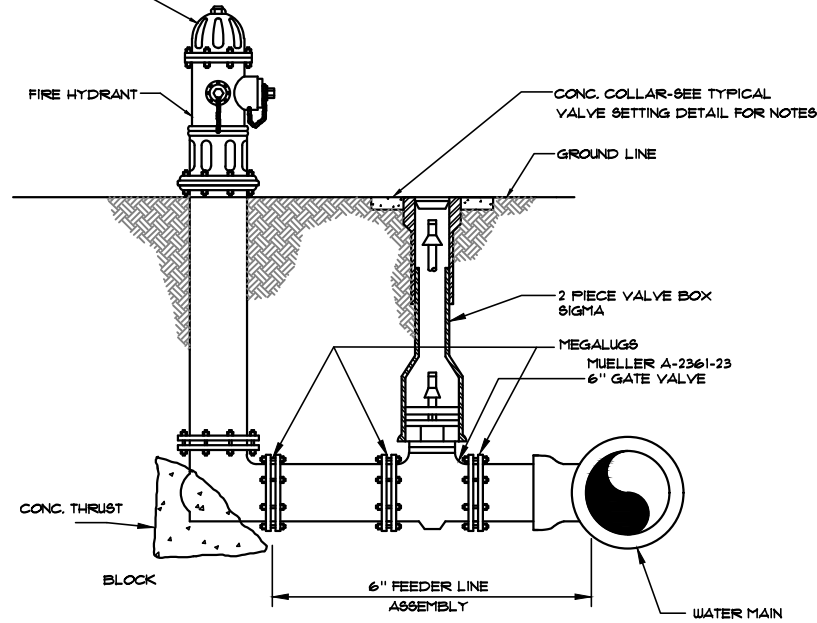
3 HMB CIRCLE
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JESSAMINE COUNTY WATER DISTRICT No. 1
JESSAMINE COUNTY, KENTUCKY

STANDARD DETAILS

SHEET
SD1

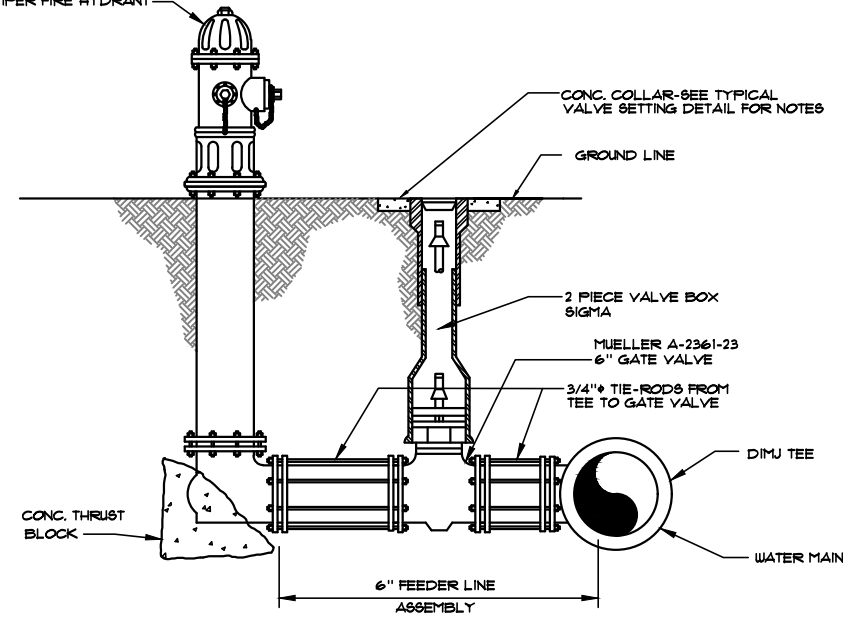
MUELLER SUPER CENTURION MODEL A-425 TRAFFIC MODEL DOUBLE PUMPER FIRE HYDRANT OR EAST JORDAN MODEL 5CD250 DOUBLE PUMPER FIRE HYDRANT



**OPTION 1
FIRE HYDRANT (2 NOZZLE)**
SCALE : N.T.S.

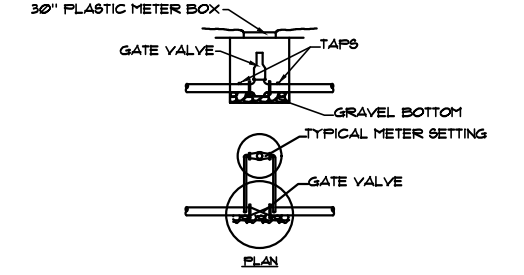
NOTE : ALL HYDRANTS SHALL BE ADJUSTED TO GRADE AND FACE ROAD.

MUELLER SUPER CENTURION MODEL A-425 TRAFFIC MODEL DOUBLE PUMPER FIRE HYDRANT OR EAST JORDAN MODEL 5CD250 DOUBLE PUMPER FIRE HYDRANT



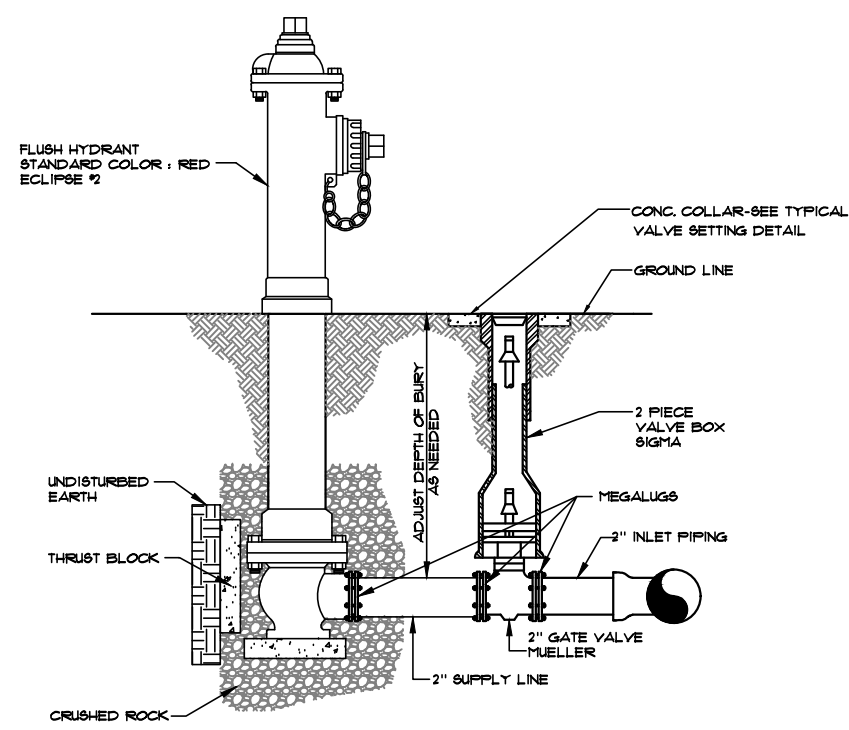
**OPTION 2
FIRE HYDRANT (2 NOZZLE)**
SCALE : N.T.S.

NOTE : ALL HYDRANTS SHALL BE ADJUSTED TO GRADE AND FACE ROAD.



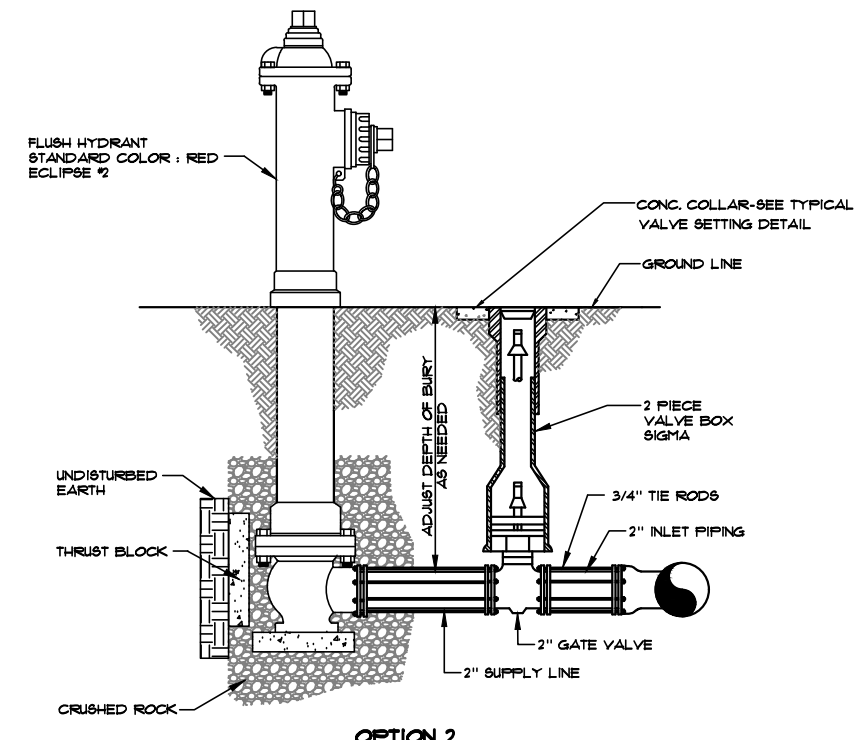
GATE VALVE WITH METER SETTING
SCALE : N.T.S.

NOTE:
NOTED CROSSINGS SHALL HAVE VALVES AT BOTH ENDS OF CROSSING. THE VALVE CLOSEST TO THE SUPPLY SOURCE SHALL BE IN A 30\"/>



**OPTION 1
FLUSH HYDRANT (SINGLE NOZZLE)**
SCALE : N.T.S.

NOTES :
ECLIPSE #2 MANUFACTURED BY KUPFERLE FOUNDRY CO.
INLET SHALL BE 2". OUTLET SHALL BE 2 1/2"
HYDRANT SHALL BE SET IN 4 CUBIC FEET OF CRUSHED STONE TO ALLOW FOR PROPER DRAINAGE OF THE HYDRANT.
ALL HYDRANTS SHALL BE ADJUSTED TO GRADE AND FACE ROAD.



**OPTION 2
FLUSH HYDRANT (SINGLE NOZZLE)**
SCALE : N.T.S.

NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE
2	7/20/17	ADD HYDRANT NOTE	CAS	CAS	7/20/17
1	7/17/17	REVISE VALVE MODEL NUMBER	CAS	CAS	7/17/17

PROJECT:	4191.00	DATE:	JULY 2019
SCALE:	N.T.S.		
DESIGNED BY	CAS	DATE	
DRAWN BY	SAB		
CHECKED BY	CAS		
RECORD DWGS.			



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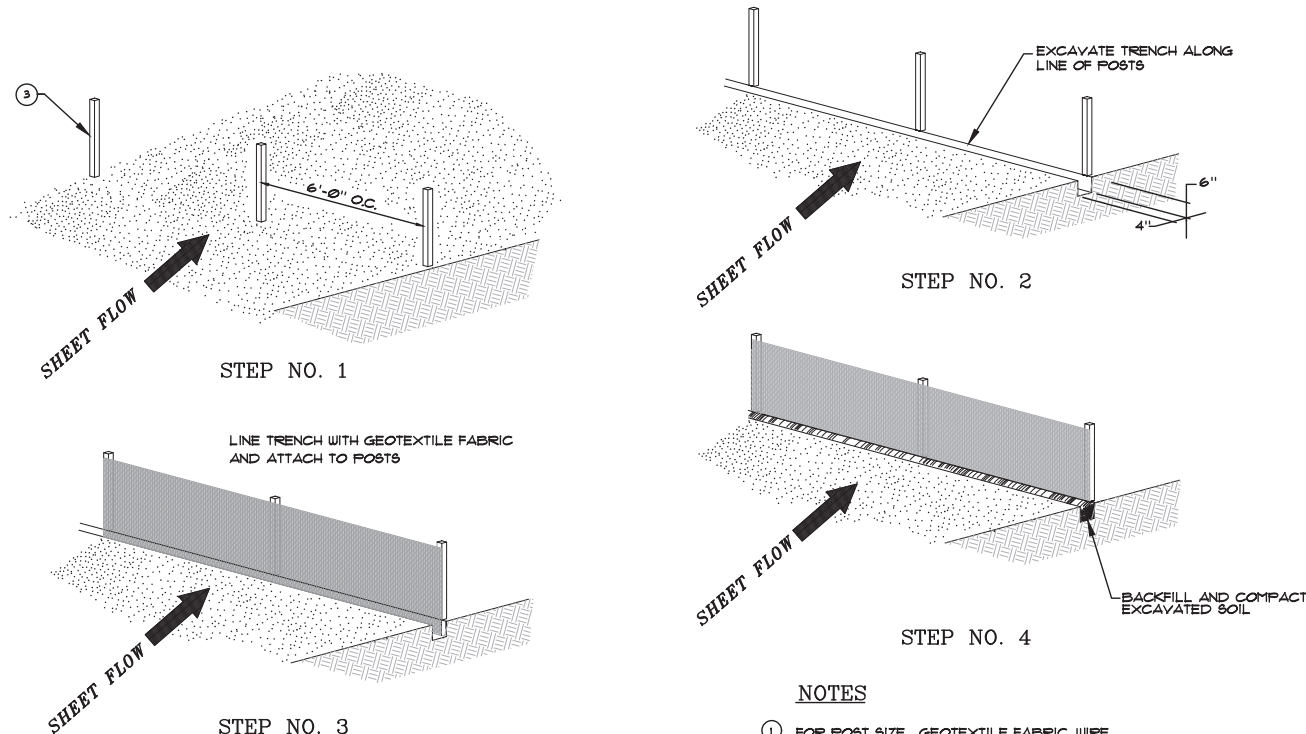
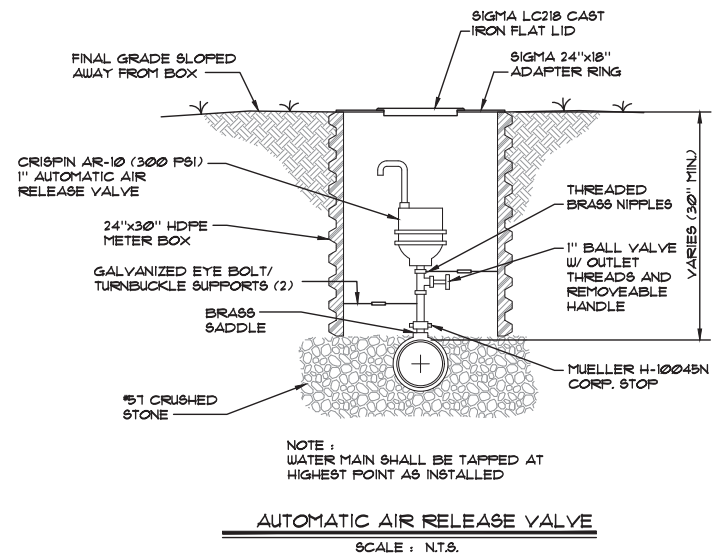
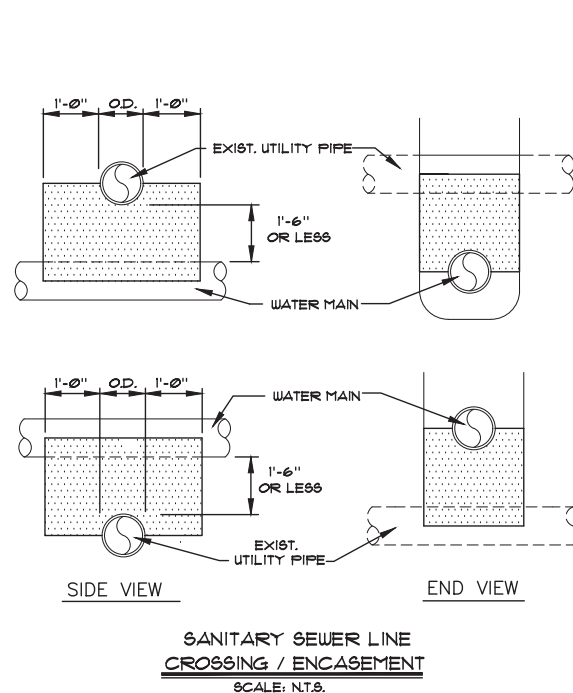
STANDARD DETAILS

SHEET
SD2

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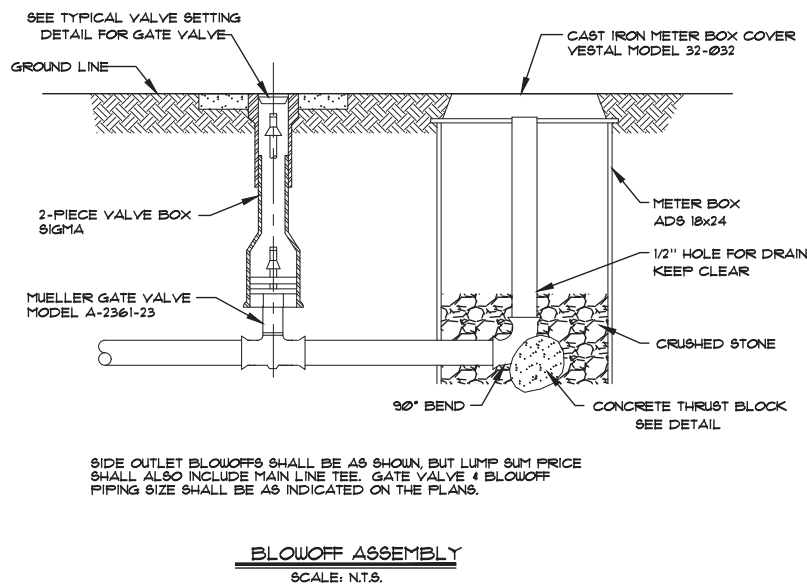
NOTES :

1. CONCRETE ENCASUREMENT SHALL BE USED WHEN VERTICAL CLEARANCE BETWEEN WATER MAIN AND UTILITY PIPE IS 18" OR LESS, OR HORIZONTAL CLEARANCE IS 10" OR LESS.
2. WHEN ENCOUNTERING SANITARY SEWER LINE OR FIELD DRAIN, WITH SEPARATION LESS THAN 18" VERTICAL OR 10'-0" HORIZONTAL, CONCRETE ENCASUREMENT SHALL BE USED. FULL SECTION OF WATER MAIN SHALL BE CENTERED OVER SANITARY SEWER TO ACHIEVE MAXIMUM JOINT DISPLACEMENT.
3. CONCRETE ENCASUREMENT IS NOT A SEPARATE PAY ITEM.



- NOTES**
1. FOR POST SIZE, GEOTEXTILE FABRIC, WIRE STAPLES AND ALL OTHER PERTINENT INFORMATION, SEE THE KENTUCKY TRANSPORTATION CABINET DEPT. OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OR ONLINE AT <http://www.kytc.state.ky.us/construction/spec2000/pdf/files.html>
 2. POSTS MAY BE WOODEN OR METAL T-SECTION.
 3. POSTS SHALL BE SET 1'-4" DEEP.

NOTE: THE LUMP SUM PRICE SHALL INCLUDE THE GATE VALVE, BOX, METER BOX, BEND, CRUSHED STONE & INSTALLATION. THE PIPE WILL BE PAID FOR AT THE CONTRACT PRICE.



GENERAL NOTES

CONTRACTOR/DEVELOPER SHALL BE SOLELY RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE STORMWATER REGULATIONS, INCLUDING SUBMITTAL OF NOI AND NOT.

POSTS: USE EITHER HARDWOOD OR STEEL GREATER THAN 4 FEET IN HEIGHT. FOR HARDWOOD PROVIDE A MINIMUM 1 1/2-INCH BY 1 1/2-INCH CROSS SECTION THAT IS STRAIGHT ENOUGH TO PROVIDE A FENCE WITHOUT NOTICEABLE MISALIGNMENT. FOR STEEL, PROVIDE A 1 1/4-INCH BY ONE-INCH T-SECTION WITH PROJECTIONS TO FASTEN WIRE FABRIC IN POSITION.

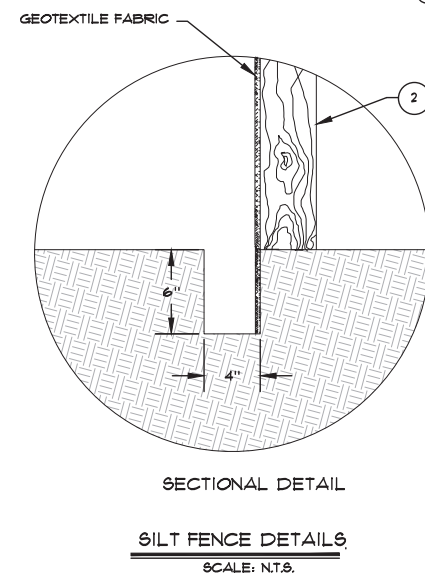
WOVEN OR WELDED WIRE FABRIC: CONFORM TO SECTION 816 OR 811. PROVIDE FABRIC WITH A MINIMUM HEIGHT OF 2 FEET 8 INCHES. REQUIRE AT LEAST 6 HORIZONTAL WIRES SPACED 6 1/4-INCHES OR CLOSER WITH THE TOP AND BOTTOM WIRES Ø1/4 INCH OR LARGER AND ALL OTHER WIRES Ø1 INCH OR LARGER REQUIRE Ø1 IN OR LARGER VERTICAL WIRES SPACED 12 INCHES OR CLOSER.

GEOTEXTILE FABRIC: CONFORM TO AASHTO M 288 FOR TEMPORARY SILT FENCE. PROVIDE FABRIC WITH A HEIGHT OF 3 FEET.

FASTENERS: USE NO. 9, ONE INCH LONG WIRE STAPLES AND/OR FABRIC TIES THAT CONFORM TO SUBSECTION 816.06 IN THE KY. TRANSPORTATION CABINET DEPT. OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

FENCE SHALL COMPLY IN ALL ASPECTS WITH THE KENTUCKY TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, SECTION 821.

SILT FENCE SHALL BE INSTALLED AS REQUESTED BY THE ENGINEER/OWNER OR OTHER AGENCY.



NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE
2	1/20/11	ADD AIR RELEASE DETAIL	CA5	CA5	1/20/11
1	1/11/11	REVISE VALVE MODEL NUMBER	CA5	CA5	1/11/11

PROJECT: 421100 DATE: FEB. 2021
SCALE: N.T.S.

DESIGNED BY	NAME	DATE
DRAWN BY	NAME	DATE
CHECKED BY	NAME	DATE
RECORD DWGS.	NAME	DATE

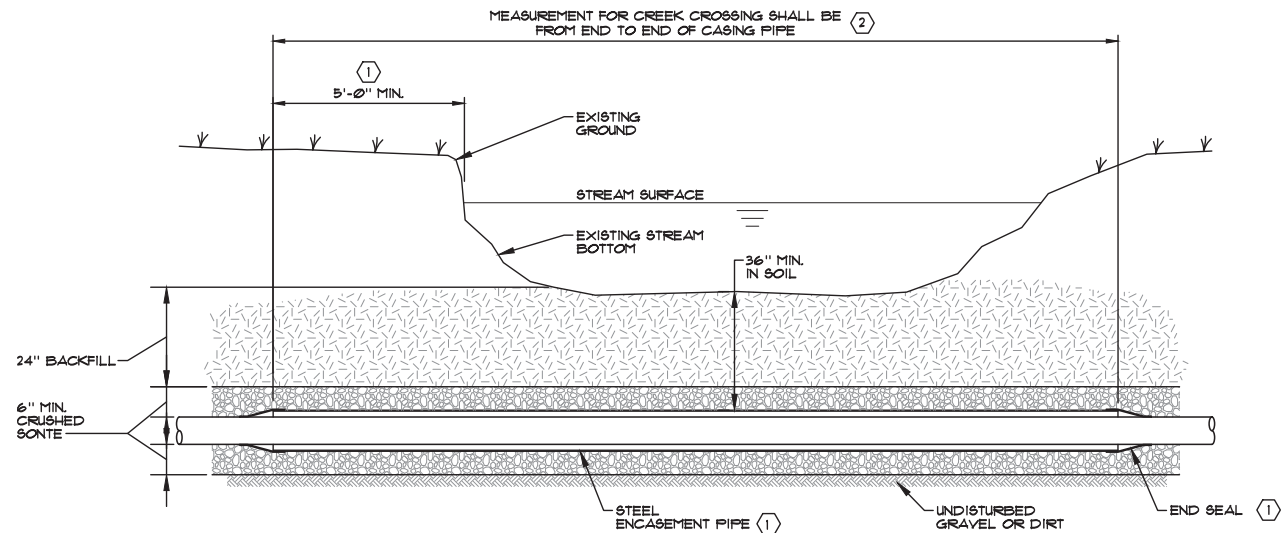


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JESSAMINE COUNTY WATER DISTRICT No. 1
JESSAMINE COUNTY, KENTUCKY

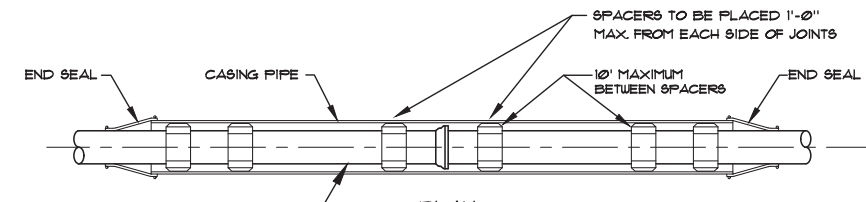
STANDARD DETAILS

SHEET
SD3



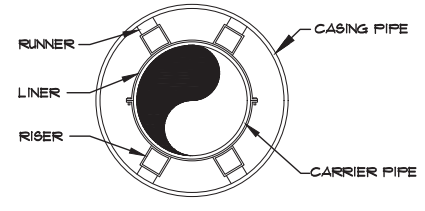
NOTE:
 (1) REFER TO DETAIL - ENCASEMENT PIPE SPACER
 (2) IF UNIT PRICE

TYPE "A" STREAM CROSSING
 GRAVEL OR DIRT BOTTOM W/ GRAVEL CAP
 SCALE: N.T.S.



PLAN
 SCALE: N.T.S.

NOTE: WATER MAIN SHALL NOT REST ON BELLS INSIDE CASING PIPE

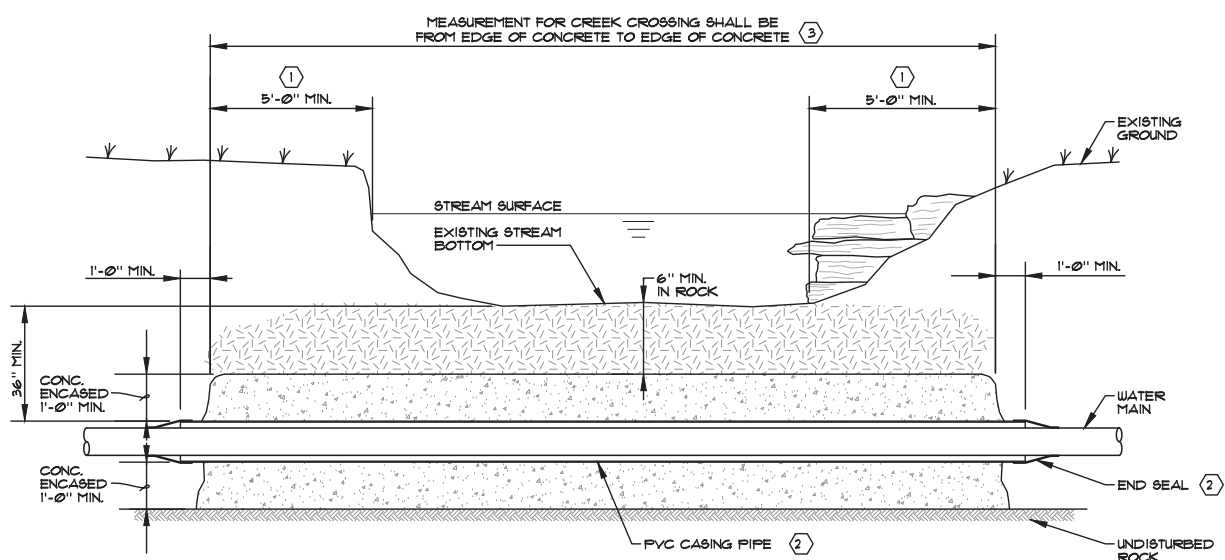


ELEVATION
 SCALE: N.T.S.

ENCASEMENT PIPE AND SPACER
 SCALE: N.T.S.

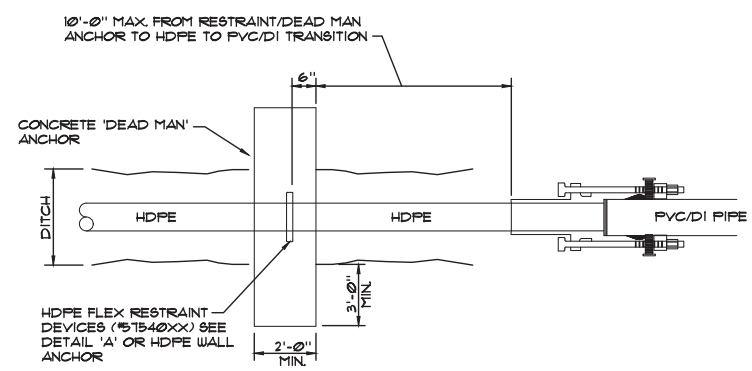
- TYPICAL ROAD CROSSING NOTES:
- ALL JOINTS SHALL BE SOLIDLY WELDED. END OF CASING SHALL BE SEALED AFTER LINE HAS BEEN INSTALLED AND TESTED.
 - MINIMUM DEPTHS MAY INCREASE IN AREAS WHICH REQUIRE MINIMUM SEPARATION WITH OTHER FACILITIES.
 - OPEN TRENCH NO CLOSER THAN THE DITCH LINE OR TOE FILL FROM THE EDGE OF THE PAVEMENT OR AS DIRECTED BY STATE, COUNTY OR MUNICIPAL SPECIFICATIONS.
 - HIGHWAY CROSSINGS SHALL UTILIZE STEEL CASING PIPE. STEEL CASING PIPES 4" AND LESS SHALL BE NEW SCHEDULE 40. STEEL CASING PIPES LARGER THAN 4" AND UP TO 18" SHALL HAVE MINIMUM WALL THICKNESS OF 0.25".
 - ALL BORED AND JACKED ENCASEMENT PIPE SHALL BE INSTALLED IN BORE HOLES NO LARGER THAN THE OUTSIDE DIAMETER OF THE ENCASEMENT PIPE.
 - STEEL CASING PIPE SHALL CONFORM TO ASTM A 252 GRADE 2 OR ASTM A 139 GRADE B.
 - MORE STRINGENT REQUIREMENTS STATED IN ANY RELEVANT PERMIT SHALL PREVAIL.
 - CASING SPACERS SHALL BE MODEL C&P FE SPACERS AS MANUFACTURED BY CCI PIPELINE SYSTEMS.
 - STEEL CASING PIPE 20" AND LARGER SHALL BE IN ACCORDANCE WITH THE CHART BELOW.

CARRIER PIPE NOMINAL DIAMETER (INCHES)							
UNDER 20	20 & 22	24	30	36	38	42	48
CASING PIPE NOMINAL THICKNESS (INCHES)							
0.250	0.281	0.312	0.406	0.463	0.500	0.562	0.625

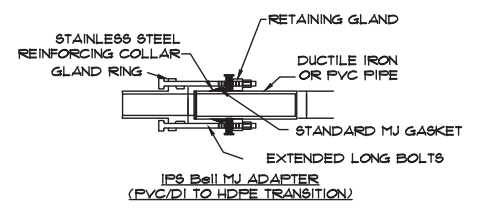


NOTES:
 (1) CONCRETE TO EXTEND 5'-0" @ BEGINNING POINT OF BANK
 (2) REFER TO DETAIL - ENCASEMENT PIPE SPACER
 (3) IF UNIT PRICE

TYPE "B" STREAM CROSSING
 SOLID ROCK BOTTOM WITH CONCRETE CAP
 SCALE: N.T.S.

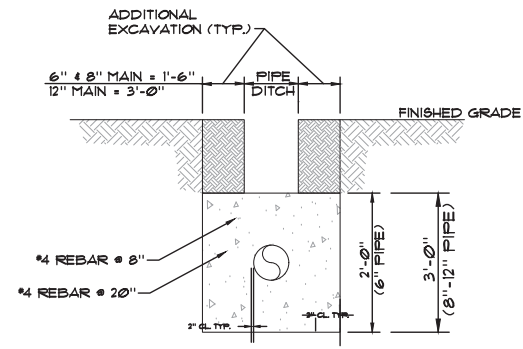


HDPE CONNECTION TO PVC/DIP
 SCALE: N.T.S.



DETAIL 'A'
 SCALE: N.T.S.

- NOTES:
- CONTRACTOR MUST WAIT MIN. 7 DAYS TO ALLOW PE PIPE TEMP ADJUSTMENT AND FOR CONCRETE CURE STRENGTH BEFORE MAKING TIE IN CONNECTION.
 - ON INITIAL FILL OF NEW PE PIPE, FILL AT AN EXTREME LOW FLOW RATE TO AVOID CENTRALIZER EFFECT (PIPE SHIFT).
 - THIS HDPE CONNECTION REQUIRED ON BOTH SIDES OF HDPE.
 - RESTRAINED JOINT PVC PIPE CAN BE USED AS AN ALTERNATE.



SECTION A-A
 SCALE: N.T.S.

HDPE DIRECTIONAL BORE DETAIL
 SCALE: N.T.S.

NO.	DATE	REVISIONS
1	7/20/11	ADD NOTE TO ENCASEMENT PIPE AND SPACER DETAIL

PROJECT: 421100	DATE: FEB. 2021	
SCALE: N.T.S.		
DESIGNED BY	NAME	DATE
DRAWN BY	SAB	
CHECKED BY	CAS	
RECORD DUGS.		

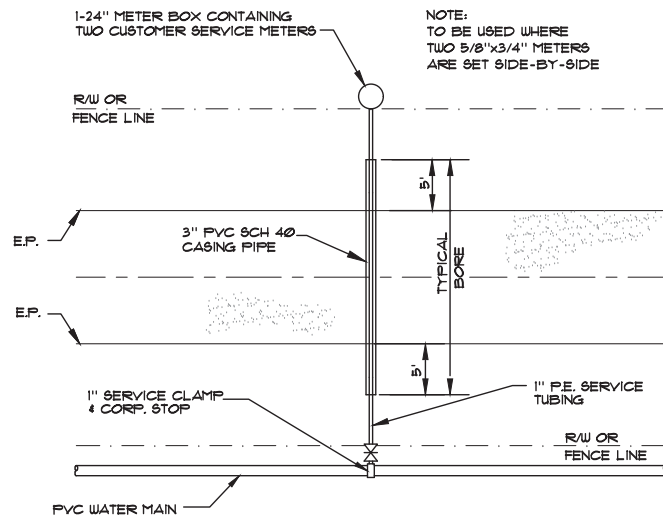


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JESSAMINE COUNTY WATER DISTRICT No. 1
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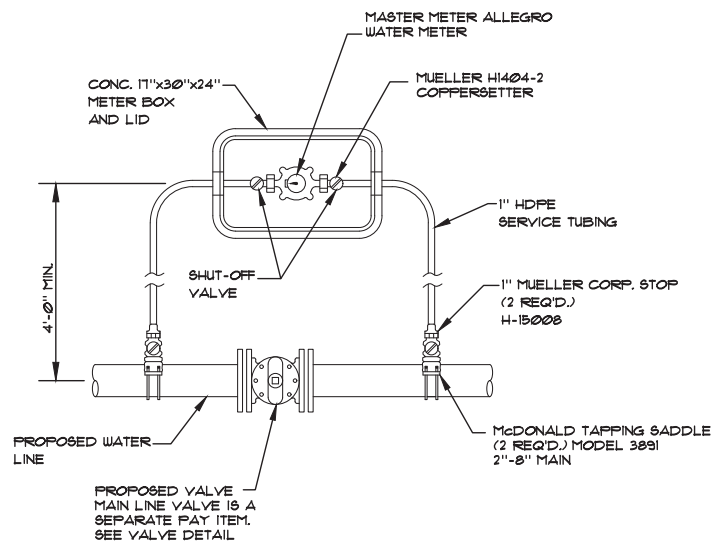
STANDARD DETAILS

SHEET
 SD4

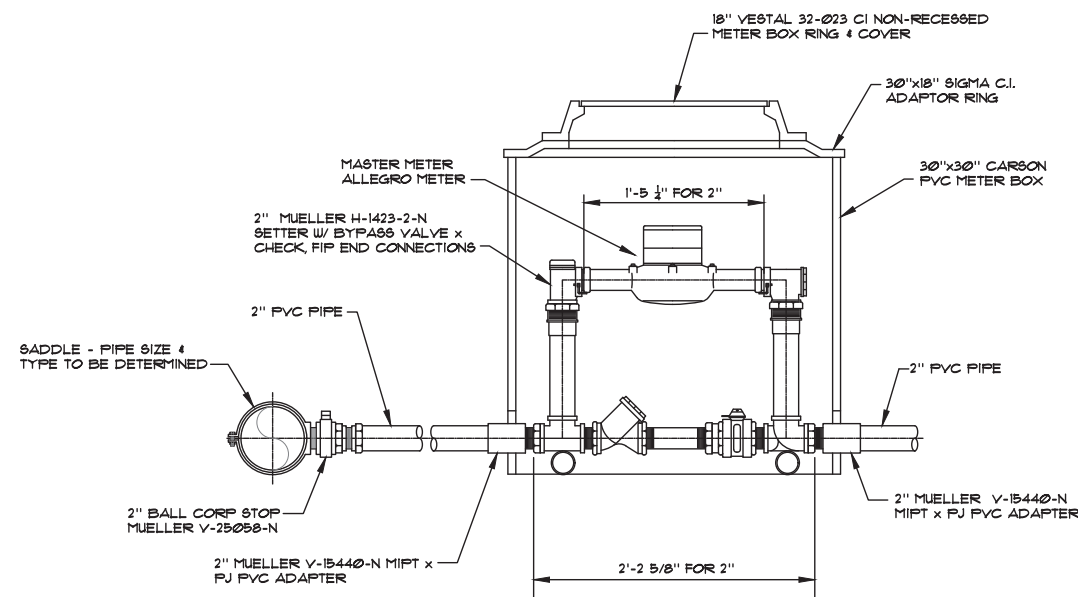


SPECIAL SERVICE LINE CROSSING
SCALE: N.T.S.

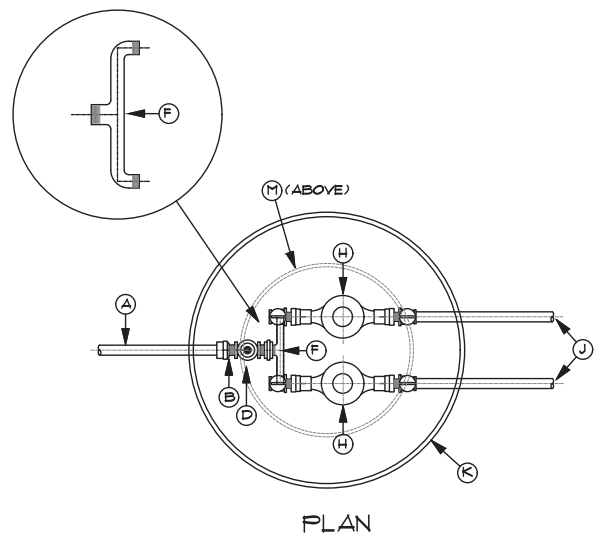
NOTE:
TO BE USED WHERE
TWO 5/8"x3/4" METERS
ARE SET SIDE-BY-SIDE



BY-PASS METER
SCALE: N.T.S.

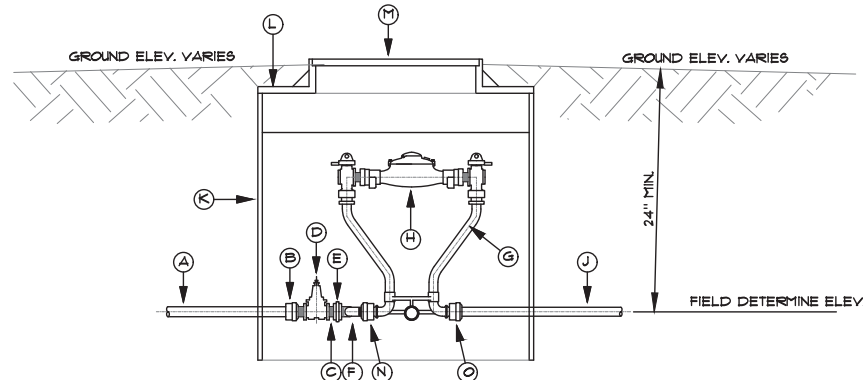


**TYPICAL METER SETTING
2" SERVICES**
SCALE: N.T.S.



PLAN

MARK	NO. REQ'D.	DESCRIPTION
A	1	1" HDPE
B	1	1" MIPT x CTS COMPRESSION COUPLING
C	1	1" x CLOSE BRASS NIPPLE
D	1	1" WILKINS 600XLLU8C PRESSURE REDUCING VALVE (IF REQUIRED)
E	1	1" BRASS UNION
F	1	1" x 3/4" x 1 1/2" U-BRANCH, MIPT ENDS
G	2	5/8" x 3/4" x 1" H-1404-2 SETTER (MUELLER)
H	2	5/8" x 3/4" METER (MASTER METER ALLEGRO)
J	2	3/4" HDPE
K	1	30" x 30" PVC METER BOX (CARSON)
L	1	30" x 18" C.I. ADAPTER RING (SIGMA)
M	1	18" VESTAL 32-023
N	1	3/4" H-1422 END CONNECTION (MUELLER)
O	1	3/4" H-1422 END CONNECTION (MUELLER)

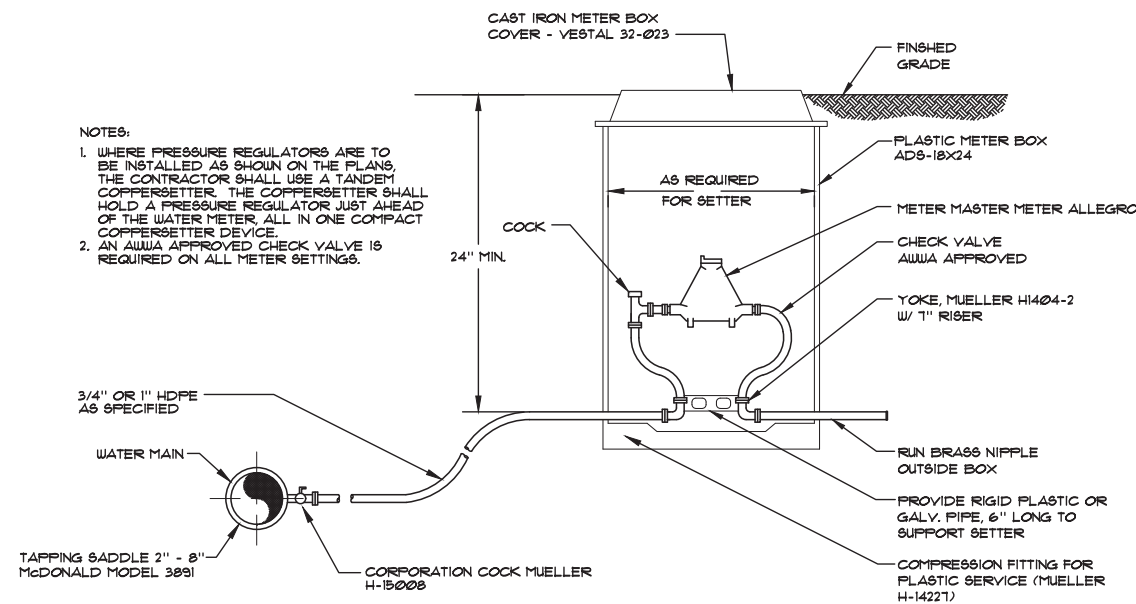


SECTION

**TYPICAL DUAL METER SETTING
5/8"x3/4" SERVICES**
SCALE: N.T.S.

NOTES:

- WHERE PRESSURE REGULATORS ARE TO BE INSTALLED AS SHOWN ON THE PLANS, THE CONTRACTOR SHALL USE A TANDENT COPPERSETTER. THE COPPERSETTER SHALL HOLD A PRESSURE REGULATOR JUST AHEAD OF THE WATER METER, ALL IN ONE COMPACT COPPERSETTER DEVICE.
- AN AWWA APPROVED CHECK VALVE IS REQUIRED ON ALL METER SETTINGS.



**TYPICAL METER SETTING
5/8"x3/4" & 1" SERVICES**
SCALE: N.T.S.

NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE
2	7/20/11	ADD AIR RELEASE DETAIL	CAS	CAS	7/20/11
1	7/17/11	REVISE VALVE MODEL NUMBER	CAS	CAS	7/17/11

PROJECT: 421100 DATE: FEB. 2021
SCALE: N.T.S.

DESIGNED BY	NAME	DATE
CAS	CAS	
DRAWN BY	SAB	
CHECKED BY	CAS	
RECORD DUGS		



3 HMB CIRCLE
FRANKFORT, KENTUCKY
(502) 695-9800
(502) 695-9810 FAX

**JESSAMINE COUNTY WATER DISTRICT No. 1
JESSAMINE COUNTY, KENTUCKY**

STANDARD DETAILS

SHEET
SD5

JESSAMINE COUNTY WATER DISTRICT No. 1
 GENERAL NOTES
 February 4, 2021

1. No water will be provided by JCWD1 to any development until the District's standard development contract is executed and returned to the District and all costs incurred by the District have been reconciled by the Developer.
2. The Developer's Contractor shall notify JCWD1 a minimum of 48 hours prior to the start of construction.
3. JCWD1 shall install all customer services and appurtenances from the water main to, and including, the meter and meter box. The Developer's Contractor is to install the water main and appurtenances only.
4. All water line shall be laid in either a dedicated utility easement (20' minimum) and/or public right-of-way where the District has unrestricted access and permission to cut the street to make repairs. In new residential developments, or other areas with sidewalks, the developer shall provide JCWD1 with a dedicated water line easement a minimum of 6' in width for water line installed parallel to sidewalks. Easements shall be a minimum of 20' in all other circumstances.
5. The bacteriological testing will be coordinated by JCWD1 and will be charged to the Developer. JCWD1 personnel will take all samples. Disinfection of the lines must be performed by the Contractor under the direct supervision of the District. The Contractor may not open any valve to the District's system. Copies of all lab reports must be presented to the District for review.
6. Pressure testing of the water lines and appurtenances shall be performed by the Contractor and must be observed by JCWD1 personnel. The Contractor may not open any valves to the District's system.
7. Installed water main shall be tested at 50 PSI above the rated working pressure of the pipe for a minimum of two (2) hours, with no more than 5 PSI pressure loss over the duration of the test. JCWD1 personnel shall witness the test preparation and record gage readings at the beginning and end of the pressure test. Not more than 3500 feet of pipe may be tested at any one time.
8. A two-year warranty period is required on all portions of the work. The Developer is responsible for all maintenance and repair costs during this timeframe.
9. Record Drawings, including a construction cost estimate and detailed quantity breakdown, are to be provided to the District by the Developer/Owner, or his Engineer, when construction is complete. Both a paper copy and electronic copy (georeferenced AutoCAD format and PDF) of Record Drawings are required to be submitted to the District.
10. The Developer's Engineer must certify to the District, the City and DOW that the fire hydrants installed meet all City and State requirements.
11. JCWD1 shall make all connections to existing water lines. The Developer's Contractor must coordinate all connections with the District. The Developer is responsible for all costs associated with connections or taps to existing mains.
12. The Developer must submit contracts requesting service. No deposit is required if the Developer is supervising bidding and construction of the work.
13. The Developer and/or his Engineer must provide sufficient construction observation services for the project so that the construction can be certified by the Developer's Engineer to the DOW with no qualifications when construction is completed.
14. Periodic Project Inspection shall be performed by the District, at the Developer's or the Contractor's expense. The amount of inspection services and costs may be estimated prior to the start of the work, at the Developer's request. The Developer's Engineer shall provide adequate inspection to certify the completed project to the DOW without qualification or exception.
15. DOW must approve the final plans and their approval letter must be submitted to Jessamine County Water District No. 1 prior to construction.
16. All water line trenches must be of sufficient width to allow any subsequent maintenance to be practically performed. Required width shall be determined by the District's representative.

17. #10 AWG THWN insulated copper wire shall be installed along all water main. All splices of tracer wire shall be fully encapsulated within gelcaps.
18. Standard utility marking tape shall be installed in the trench directly over all water mains at a depth of approximately 18 inches.
19. Installed water main joint deflection may not exceed 4" per 20-foot stick of pipe **or manufacturer recommendation if less than 4"** as measured from bell to spigot in relation to what would be a true and straight installation extending along the length of the preceding joint of pipe, or manufacturer recommendations if less than 4".
20. All installed water main must be seated in accordance with manufacturer recommendations and may not be over or under inserted under any circumstances.
21. Backfill around catch basins must be tightly compacted to prevent shifting of water main towards any catch basin.
22. The Developer shall submit Shop Drawings/construction materials submittals to the District for review prior to beginning construction.
23. The Contractor shall perform rough cleanup daily, with no ditches left open overnight and all construction debris disposed of daily.
24. More stringent requirements of any applicable permit shall apply to the Work.
25. Any water main installed in public right-of-way shall be a minimum of 36" deep. State maintained roadway crossings shall be a minimum of 42" deep measured from the lowest point in the right-of-way. Water main installed parallel to roadways and within the right-of-way shall be a minimum of 36" deep unless installed in the ditch, where it shall be a minimum of 42" deep.
26. **Three (3) feet of horizontal separation is required between installed water main and any and all other underground utilities. Water main may be installed in the utility strip only if this separation may be achieved and the water main is the only underground utility within the utility strip. Minimum utility strip width is six (6) feet.**
27. MegaLug style joint restraints are required for all water main larger than 8" in diameter. Romac grip rings are acceptable only for pipe 8" or less in diameter.
28. Water Main installed within city limits shall comply with applicable standards.
29. No copper service line may be installed regardless of location of project in relation to city limits.

NOTE :
 THE DOCUMENTS DEPICTED HEREIN ARE FOR INFORMATION ONLY. COPIES OF ALL DOCUMENTS FOR EXECUTION MUST BE OBTAINED FROM JCWD No. 1 BY CALLING (859) 885-9314.

						PROJECT: 421100 DATE: FEB. 2021 SCALE: N.T.S.			 <p>3 HMB CIRCLE FRANKFORT, KENTUCKY (502) 695-9800 (502) 695-9810 FAX</p>	JESSAMINE COUNTY WATER DISTRICT No. 1 JESSAMINE COUNTY, KENTUCKY		SHEET SD6
						DESIGNED BY	NAME	DATE		STANDARD DETAILS - GENERAL NOTES		
						DRAWN BY	SAB			STANDARD DETAILS - GENERAL NOTES		
						CHECKED BY	CAS			STANDARD DETAILS - GENERAL NOTES		
2	2/11/21	MISC. NOTE REVISIONS			CAS	CAS	2/11/21	RECORD DUGS.	STANDARD DETAILS - GENERAL NOTES			
1	1/20/21	UPDATE NOTES			CAS	CAS	1/20/21		STANDARD DETAILS - GENERAL NOTES			
NO.	DATE	REVISIONS			CHK'D	APPR'D	DATE		STANDARD DETAILS - GENERAL NOTES			

CONTRACT FOR USE OF FIRE PROTECTION SYSTEM

THIS AGREEMENT made and entered on this the ____ day of _____, 20____ by and between _____ its successors and assigns, hereinafter referred to as "Customer" and the Jessamine County Water District No. 1, its successors and assigns, of Jessamine County, Kentucky, hereinafter referred to as "District".

WHEREAS, the Customer is the owner of certain real property which is situated within an area to be provided with water services by the District, and

WHEREAS, the Customer intends to install, own and maintain a fire protection system to be supplied water by the District's system, and

WHEREAS, it is the policy of the District to meter or otherwise monitor flow from all connections to its system.

WITNESSETH: The Customer in consideration of permission hereby granted by the District for the Customer to connect said fire protection system to a double detector check valve installed by the Customer, the Customer does hereby covenant and agree with the District as follows:

1. The complete Fire Protection System, including the double detector check valve installation, the check valve of the water line connecting the detector check valve and the District's system, the valve pit box and all related appurtenances to the point of the District's valve shall be owned, installed and maintained solely by and at the expense of the Customer.

2. The plans, specifications and construction for the complete fire protection system must comply with all District, local, state and federal requirements and regulations and be approved by the District before construction and installation. Customer shall comply with the attached "Guidelines for Fire Service Installation" in the installation and maintenance of the Fire Protection System. Customer shall coordinate final field location of fire protection vault with the District.

3. No connections shall be made to the Customer's fire protection system for any purpose other than fire protection.

4. The "Guidelines for Fire Service Installation" are attached hereto and incorporated by reference herein as if copied verbatim herein.

5. The Customer shall pay the District for all water used from the fire protection system. Prior to making fire flow tests or other anticipated water use from the fire protection system the Customer shall give the District 48 hours notice so that representative of the District can be present at the time of such water usage to estimate the quantity of water used. Should water be discharged from the fire protection system accidentally or because of an actual fire, the District shall be notified within 24 hours after such an event so that an estimate of the quantity of water used can be made.

Water used from the fire protection system shall be paid for according to the District's standard rate schedule or any future schedules of the District as approved by the Public Service Commission of Kentucky.

6. The Customer shall pay bills for service based upon the diameter of connection to the District's system as set forth in the standard rate schedule of the District as approved by the Public Service Commission of Kentucky.

7. The Customer shall maintain its fire protection system in good condition and will make timely repairs of leaks that may occur in said system. Service to the Customer's fire protection system shall be discontinued by the District should a leak develop that Customer had not located and repaired within a reasonable time as determined by the District.

8. It shall be the Customer's responsibility to make periodic tests to assure the proper operation of the double detector check valve installation, in accordance with all applicable laws and regulations.

9. The District does not guarantee a water supply to the Customer's fire protection system at any particular flow rate or pressure. Furthermore, the Customer will indemnify and hold harmless the District and its employees or agents from and against all claims, damages, losses, and expenses incurred as a result of insufficient water supply to the Customer's fire protection system or any failure of the double detector check valve installation and/or appurtenances. This service is limited to lines of such size determined to be adequate for this service by the District and all approvals of State Fire Marshall, Kentucky Natural Resources and Environmental Protection Cabinet and any other applicable agency will be required before installation is finally approved for service.

10. If the Customer fails to comply with the terms of this Agreement and any other applicable rules and regulations of the District, service to the Customer may be discontinued by the District at any time.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by its duly authorized officers on the date first above written.

JESSAMINE COUNTY WATER DISTRICT No. 1

_____ CUSTOMER

BY: _____

_____ ADDRESS OF PROPERTY

_____ BILLING ADDRESS

_____ PHONE NUMBER

OTHER PROVISIONS:

- A. Prior to any installation activities, the property owner/developer must provide JCWD1 with approval letters from the State Division of Housing and the City of Nicholasville (if the site is located within the City Limits or proposed for annexation). These letters shall be provided to JCWD1 for review and approval along with two (2) sets of plans showing the proposed vault location, existing and proposed utilities, buildings and other structures and easements, as well as fire vault details. The site plan shall be to scale.
- B. Upon approval of the proposed plans by JCWD1, the property owner/developer shall execute a Contract for Detector Check Valves. This Contract is available from JCWD1 upon request. This Contract must be executed, and all bills, fees or other charges satisfied by the owner/developer, prior to any water service being provided by JCWD1.
- C. The property owner/developer shall be subject to the standard billing practices of JCWD1 and shall be assessed a monthly bill based upon the diameter of the connection to the main line, per JCWD1 standard billing rates.
- D. The property owner/developer shall retain ownership as well as operations, maintenance and testing responsibilities for all fire protection systems, or portions thereof, at all times. JCWD1 shall in no way be responsible or liable for the functionality of fire suppression systems.
- E. All fire protection systems shall be tested at the interval required by the applicable State, Federal or local regulations. At no time shall the test interval be longer than one (1) year. Testing is the responsibility of the property owner/developer. JCWD1 shall be notified of an impending test at least 72 hours in advance, so that water usage may be estimated, and shall be provided written test results after each test.
- F. JCWD1 shall install all taps to existing water mains. Under no circumstances shall the property owner/developer or his agent tap existing JCWD1 water mains. All taps shall include a tapping sleeve and valve. JCWD1 ownership and maintenance or other responsibilities shall end at this valve. The fire suppression system shall connect to the JCWD1 system at the tapping valve installed by JCWD1. Only JCWD1 personnel shall operate the valve.
- G. JCWD1 will invoice the property owner/developer for the actual cost of the installation of the tapping sleeve and valve. An estimate of this cost may be provided for budgeting purposes prior to the work upon request of the property owner/developer.
- H. The completed fire vault shall be subject to inspection and approval by JCWD1 personnel prior to the commencement of water service.
- I. The property owner/developer shall be responsible for reimbursing JCWD1 for all expenses related to the installation of a fire protection system. Such expenses may include, but shall not be limited to: engineering fees for submittal review or other services relating to the proposed fire protection system, field inspection by JCWD1 or others, field construction by JCWD1 or others, legal fees, etc. No water shall be provided until all fees or charges are paid in full.

NOTE :
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NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE

PROJECT: 421100 DATE: FEB. 2021		
SCALE: N.T.S.		
DESIGNED BY	NAME	DATE
DRAWN BY	SAB	
CHECKED BY	CAS	
RECORD DWS.		



3 HMB CIRCLE
FRANKFORT, KENTUCKY
(502) 695-9800
(502) 695-9810 FAX

JESSAMINE COUNTY WATER DISTRICT No. 1
JESSAMINE COUNTY, KENTUCKY

STANDARD FIRE PROTECTION SYSTEM

JESSAMINE COUNTY WATER DISTRICT No. 1

GUIDELINES FOR FIRE SERVICE INSTALLATION

March 1, 2023

The following are general guidelines for installation of fire protection systems within the service territory of Jessamine County Water District No. 1 (JCWD1). These should be considered as minimum acceptable standards. The final design of all components of the system is the responsibility of the property owner/developer and his design consultant(s). Should the designer feel that these standards are inadequate for a specific project, alternative designs may be submitted for review, so long as the minimum standards presented herein are satisfied.

When it is necessary for any customer to have full line flow for fire protection purposes, there shall be installed in the water line a device known as a "Double Detector Check Valve Assembly" with a metered by-pass. A detailed drawing of the proposed fire vault and site plan (to scale) shall be submitted to the City (if the proposed installation is within city limits) and JCWD1 for review and approval prior to installation. Any construction activities completed prior to JCWD1 approval of submitted plans shall be solely at the property owner/developer's risk.

The metered by-pass shall be of sufficient size to carry normal usage without activating the "Double Detector Check Valve Assembly". The "Double Detector Check Valve Assembly" shall be manufactured in accordance with current AWWA standards and applicable State and local rules and regulations.

Property owners or developers that install or upgrade fire suppression systems that require a fire department connection (FDC) shall install a 5-inch "Storz" fitting with cover attached to a 30 degree downturn on the FDC outlet fitting. The distance from the ground to the bottom edge of the fitting shall be no less than 24 inches and no more than 30 inches. All FDC's shall be located at least 15 feet away from the structure, unless the installation of a new sprinkler system or substantial upgrade of an existing sprinkler system is in an existing building and a remote FDC away from the building is not possible. The FDC shall not be obstructed in any way that would hinder access or operation from a fire department apparatus. If the FDC is in an un-curbed vehicle accessible area, it shall be protected by brightly colored traffic bollards engineered to protect it from vehicular traffic.

The property owner and/or operator during renovation or new installation of fire suppression system shall install or upgrade the system to include the "Double Detector Check Valve Assembly" installed within the fire vault after the post indicator valve (PIV) line. All PIV installations or upgrades shall be electronically monitored and painted bright red with the indicator sight glass facing the roadway and/or FDC. All FDC and PIV installations shall have a marker affixed on or near the device that clearly indicates the property or area that the device serves.

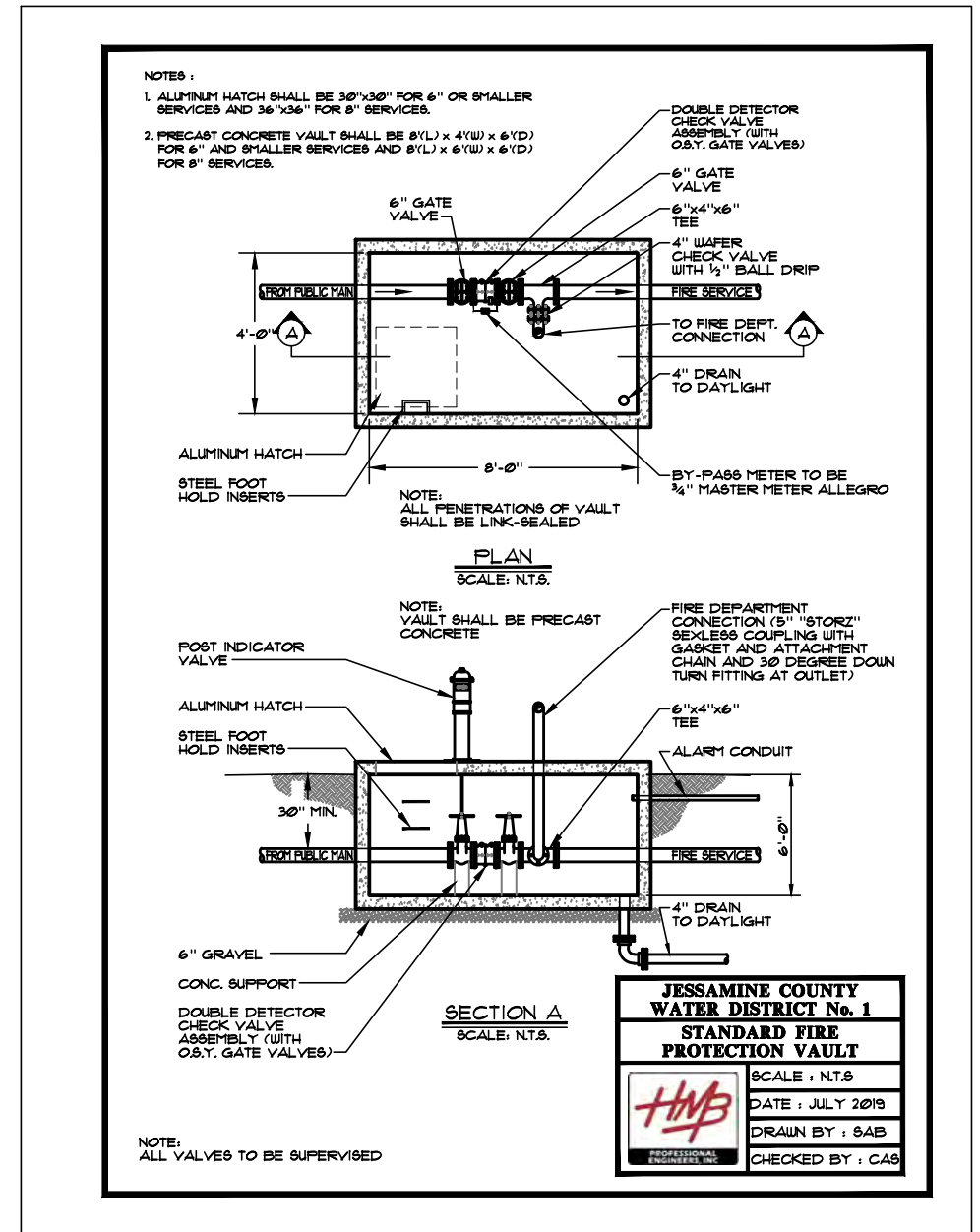
A fire hydrant meeting current City of Nicholasville specifications (Mueller A-425 Super Centurion Double Pumper or East Jordan Iron Works Model 5CD250 Double Pumper) shall be installed or located within 50 feet of the FDC and shall be located within 10 feet of a paved surface roadway capable of access by and of supporting a fire apparatus.

All "Double Detector Check Valve Assembly" shall be installed within a pre-cast concrete vault and shall be located as close to the existing JCWD1 main as possible. The proposed vault location shall be submitted on a scaled site plan (2 copies) to JCWD1 for review and approval prior to construction. The "Double Detector Check Valve Assembly" shall not be installed inside any building.

Any request for fire service installations 8" or larger shall include written documentation justifying the need for such service, along with hydraulic calculations, based upon actual recent field flow testing and bearing the seal and signature of a Professional Engineer holding a current license in the State of Kentucky, that verifies the adequacy of available water flow. Any such request shall also include detailed drawings of the proposed vault and its contents.

MATERIALS:

- A. Polyvinyl Chloride Pipe (PVC) – A minimum of DR18, Pressure Class of 150 PSI shall conform to the latest edition of AWWA C900, must be NSF approved and manufactures in accordance with latest ASTM standards.
- B. Fittings – All fittings and accessories shall be Ductile Iron, rated for a minimum of 200 PSI working pressure. The fittings and accessories shall be new and unused. All pipefitting shall utilize mechanical joint fittings. Mechanical joints shall conform to AWWA C111, latest edition.
- C. Valves – All valves shall open by turning counter-clockwise. Valves 12 inches and smaller shall be resilient seated gate valves, non-rising stem with "O" ring packing seals rated at 250 PSI minimum working pressure and conform to the applicable portions of AWWA Standard C509, latest edition. Tapping sleeve and valves shall be designed for a minimum working pressure of 200 PSI. The tapping sleeve together with the tapping valve shall be tested at 200 PSI for 20 minutes with no loss of pressure. Full gasket stainless steel type tapping sleeves shall be installed on all sizes of water mains. Direct bury valves shall include valve box and concrete collar to allow for access to the valve for operation from the surface.
- D. Fire Hydrants – All fire hydrants shall be Mueller A425 or East Jordan 5CD250, double pumper with two 4 1/2 inch outlets. Fire hydrants shall be capable of flowing 1000 GPM at 20 PSI residual at locations within the Nicholasville City Limits.
- E. Meters – Master Meter Allegro 3/4" by-pass meter shall be installed on "Double Detector Check Valve Assembly" by fire protection contractor.
- F. Fire Vaults – Minimum inside vault dimensions shall be 8' (L) x 4' (W) x 6' (D) for proposed services 6" and smaller and shall be minimum 8' (L) x 6' (W) x 6' (D) for 8" services. The vault shall be watertight and top of the vault shall be at finished grade level. Pre-cast vaults shall be utilized where possible and have a minimum wall thickness of 6" unless otherwise specified by the manufacturer. See attached fire vault plans for details. Fire Vault shall be installed as close as possible to the existing water main and shall include a drain line to daylight via Schedule 40 PVC pipe if possible. Final field location of fire vault shall be approved by JCWD1 prior to installation. Fire vaults shall have a minimum 30" x 30" aluminum hatch for 6" and smaller services and a 36" x 36" aluminum hatch for 8" services. Hatches shall be as manufactured by Bilco or Halliday.
- G. Double Detector Check Valve Assemblies – Double detector check valves shall be installed in the horizontal position, with adequate space to facilitate maintenance and testing. Control valves for double detector check valve assembly shall be one handwheel operating type and one post indicator type. Acceptable manufacturers are: Watts, Ames, Febco or Wilkins.



NOTE :
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PROJECT: 419100 DATE: JULY 2019
SCALE: N.T.S.

DESIGNED BY	NAME	DATE
CAS	CAS	
DRAWN BY	SAB	
CHECKED BY	CAS	
RECORD DWGS.		



3 HMB CIRCLE
FRANKFORT, KENTUCKY
(502) 695-9800
(502) 695-9810 FAX

JESSAMINE COUNTY WATER DISTRICT No. 1
JESSAMINE COUNTY, KENTUCKY

STANDARD FIRE PROTECTION SYSTEM

SHEET
SD8

NO.	DATE	REVISIONS	CHK'D	AFFR'D	DATE

**REQUEST BY EXCAVATOR
FOR APPROXIMATE LOCATION
OF UNDERGROUND PIPELINE**

The undersigned Excavator requests Jessamine County Water District No. 1 to mark the approximate location of its underground water pipeline at a place within the territory of the water district as set forth in the attached "Excavator Information" Form.

Notice is given to Excavator that the underground pipeline (without metal tracer wire) will be located as accurately as possible from field location records available to the district. See KRS 367.4903(11).

**THE FIELD LOCATION RECORDS OF THE WATER DISTRICT FOR
UNDERGROUND PIPELINES MAY BE INACCURATE. THE EXACT LOCATION OF
THE UNDERGROUND PIPELINE CANNOT BE DETERMINED WITHOUT
HAND-DIGGING BY THE EXCAVATOR OR NON-INTRUSIVE MEANS TO AVOID
DAMAGE TO THE UNDERGROUND PIPELINE.**

The Rules and Regulations of Jessamine County Water District No. 1 (sheet No. 40 - filed with the Kentucky Public Service Commission) provides, in part as follows:

6. Any person, farm or organization working around or near the District's mains, appurtenances, or other property may request the District to indicate the location of same. However, location by the District does not relieve such person of complete responsibility and liability and loss to the District's property resulting from any act of such person or agents of such person.

Excavator shall hand-dig or use nonintrusive means to locate the underground water pipeline to avoid damage to that underground water pipeline or facility when excavation or demolition is necessary within the approximate location of the underground water pipeline.

**THE UNDERSIGNED EXCAVATOR AGREES NOT TO PERFORM ANY
EXCAVATION UNTIL THE UNDERGROUND WATER PIPELINE HAS BEEN ACTUALLY
LOCATED BY HAND-DIGGING OR BY USE OF NONINTRUSIVE MEANS.**

**THE UNDERSIGNED EXCAVATOR AGREES TO ASSUME COMPLETE
RESPONSIBILITY AND LIABILITY FOR ANY LOSS TO THE WATER DISTRICT
PROPERTY RESULTING FROM ANY ACT OF THE EXCAVATOR OR THE AGENTS
OF SAID EXCAVATOR IN COMPLIANCE WITH THE RULES AND REGULATIONS
OF SAID WATER DISTRICT.**

Excavator shall immediately notify the Water District of any damage or break in the line.
Excavator shall comply with all applicable laws related to the excavation of underground water pipelines and facilities.

Excavator states that the "Excavator Information" sheet attached hereto is accurate and complete and is incorporated by reference herein.

Excavator agrees to comply with all Rules and Regulations of the Water District and all applicable laws related to this excavation.

Excavator agrees (together with all heirs, successors and assigns) to be bound by the terms of this request as set forth above.

Dated: _____, 20__.

EXCAVATOR

Print Name

Witnessed by: _____

Received by: _____
on _____, 20__.

JESSAMINE COUNTY WATER DISTRICT No. 1

EXCAVATOR INFORMATION

- a) Name of Excavator: _____
- Address: _____

- Telephone: _____
- b) Site location of Excavation: _____

- c) Type & Extent Excavation: _____

- d) Date or Dates of Excavation: _____
- e) Contact name and telephone of the person responsible for the work to be performed:
Name: _____
Telephone: _____

NOTE :
THE DOCUMENTS DEPICTED HEREIN ARE FOR INFORMATION ONLY. COPIES OF ALL DOCUMENTS FOR EXECUTION MUST BE OBTAINED FROM JCWD No. 1 BY CALLING (859) 885-9314.

NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE

PROJECT: 427100 DATE: JULY 2019		
SCALE: N.T.S.		
DESIGNED BY	NAME	DATE
DRAWN BY	SAB	
CHECKED BY	CAS	
RECORD DUGS.		



3 HMB CIRCLE
FRANKFORT, KENTUCKY
(502) 695-9200
(502) 695-9310 FAX

**JESSAMINE COUNTY WATER DISTRICT No. 1
JESSAMINE COUNTY, KENTUCKY**

STANDARD DETAILS - LOCATE DOCUMENTS

SHEET
SD9

JESSAMINE COUNTY WATER DISTRICT No. 1
CONSTRUCTION CHECKLIST
(Revised 8/1/19)

- ___ 1. Name of development _____
- ___ 2. Name, address, phone no. of Owner / Developer _____

- ___ 3. Name, address, phone no. of Developer / Owner's Engineer _____

- ___ 4. Letter from District to Division of Water stating service from District.
- ___ 5. Contracts delivered for line extension. Provided to Developer by: _____
(Developer) Received by: _____
Date: _____
- ___ 6. Review of preliminary plat:
 - ___ a. Approval of Commissioners
 - ___ b. Approval of District's Engineer
 - ___ c. Must meet City of Nicholasville's specifications, if in City Limits.
 - ___ d. Approval from Division of Water
 - ___ e. Water Line on dedicated 20' Utility Easement or Owner provide 20' easement to District. 6' dedicated easement in new developments with sidewalks if water line installed parallel to sidewalk.
- ___ 7. District's contracts signed by Owner
- ___ 8. Signed preliminary plat and copy for office
- ___ 9. District to bill Owner monthly any expenses relating to development.
- ___ 10. If installing sprinkler system must:
 - ___ a. Sign Detector Check Valve contract
 - ___ b. Approval of District
 - ___ c. Approval of District's Engineer (Submit Site Plan and Vault Details)
 - ___ d. Approval of Housing Authority
 - ___ e. Approval of City if Project is within City Limits
 - ___ f. Hydraulics are responsibility of the Owner / Developer's Engineer
- ___ 11. Construction of water line:
 - ___ a. Final Construction Plans reviewed and approved by District's Engineer (provide 3 sets of paper plans and 1 georeferenced electronic copy of plans on CD to District's Engineer)
 - ___ b. Construction Plans submittal stamped by licensed Professional Engineer in Kentucky
 - ___ c. Name and phone number of Contractor _____

- ___ d. Water District will make all connections to existing lines
- ___ e. Developer shall submit Shop Drawings/material submittals to District for review prior to starting construction
- ___ f. Water District will open any valves to District's system.
- ___ g. Water District must see new line before it is backfilled.
- ___ h. Water District will supervise disinfection of new lines.
- ___ i. Water District will supervise pressure test of new lines.
- ___ j. Bacteriological testing will be coordinated by District.
- ___ k. District Notified of Start of Construction (at least 48 hrs prior) Date: _____
- ___ l. If fire hydrants are installed, a registered Engineer must certify to City and DOW that they meet City and State requirements. Fire hydrants shall be Mueller Super Centurion 200, model number A-425.
- ___ m. Project inspection is to be provided by the District, at the Developer/Owner's expense. The District's inspection is only to ensure acceptable methods of construction. It is not the District's responsibility to enforce the intent/accuracy of the plans. This is the responsibility of the Developer/Owner's Engineer. The Developer/Owner's Engineer must provide adequate construction observation to certify the project to the Division of Water without qualifications.
- ___ n. All permanent water line easements must be a minimum of 20' in width.
- ___ o. The Water District will install all customer service meters and appurtenances.
- ___ p. #10 AWG THWN insulated copper wire shall be installed along all water mains, with all splices completely encapsulated with gelcaps.
- ___ q. Standard utility marking tape shall be installed in the trench directly over all water mains at a depth of approximately 18 inches.
- ___ 12. Project Completed:
 - ___ a. Owner written certification to Division of Water that water lines have been constructed and tested, signed by registered Professional Engineer.
 - ___ b. Provide to District:
 - ___ a. Record Drawings (1 paper copy, 1 georeferenced electronic AutoCAD copy on CD)
 - ___ b. Length of line installed provided to District
 - ___ c. Approximate cost of line provided to District
 - ___ d. Letter dedicating line to District
 - ___ e. Payment of current bills up to date
 - ___ f. Date of 2 yr warranty expiration
- ___ 13. Sign Final Plat
- ___ 14. Before Meters can be set:
 - ___ a. Need plumbing permits from county Health Department
 - ___ b. Meter fees paid to District
 - ___ c. Must comply with City sewer tap fee. District needs a copy of receipt showing payment to City of Nicholasville if development is within city limits and hooking on to city sewer.

Note: No water will be provided by JCWD1 until this checklist is completed in full.

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**REQUIREMENTS FOR APPROVAL
OF SUBDIVISION SURETY BONDS
FOR SUBDIVISION PLATS SERVED
BY JESSAMINE COUNTY WATER DISTRICT NO.1**

JESSAMINE COUNTY WATER DISTRICT NO. 1 will require the following clauses, rider or addendum to be included in all subdivision surety bonds for approval of subdivision plats when the water distribution system has not been installed, dedicated, approved and accepted by the said water district in compliance with KRS 100.281 (4) and applicable subdivision, planning and zoning regulations of the City of Nicholasville Planning Commission and Jessamine County-City of Wilmore Joint Planning Commission:

**REQUIRED SUBDIVISION SURETY BOND PROVISIONS
(INCLUDED AS CLAUSES, RIDER OR ADDENDUM TO THE BOND)**

1. This subdivision surety bond is a statutory bond required by KRS 100.281 (4) and all other applicable Kentucky laws, including the planning and zoning laws and regulations of the local jurisdictions. (City of Nicholasville, City of Nicholasville Planning Commission, Jessamine County - City of Wilmore Joint Planning Commission and Jessamine County).
2. This subdivision surety bond shall remain in full force and effect until the completion of all physical improvements of streets, utilities and other facilities (including the water distribution system) and acceptance and release by all affected entities, including the Jessamine County Water District No.1.
3. The Kentucky seven (7) year statute of limitations under KRS 413.220(3) shall be applicable to this subdivision surety bond.
4. When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.
5. This subdivision surety bond is issued as a condition precedent to the approval of any plat of the developer to insure proper completion of physical improvements (including the water distribution system) pursuant to the authority of KRS 100.281 (4) and other applicable ordinances, regulations and law.
6. Any subdivision surety bond shall strictly comply with the subdivision regulations of the applicable planning and zoning commission with inclusion of Jessamine County Water District No. 1 as a beneficial party and obligee for such sum or sums as are reasonably necessary to complete the water distribution system in accordance with the two (2) subdivision regulations of the respective planning commissions of Jessamine County, Kentucky, plus all costs and expense required to enforce this bond, including, but not limited to, engineering, attorney and court fees.
7. The terms and conditions of paragraphs 1 through 6 above shall supercede, invalidate, void and delete any provision of the bond to the contrary or in conflict therewith and such conflicting provisions shall be treated as mere surplusage without affecting the validity of the bond.

NOTE :
THE DOCUMENTS DEPICTED HEREIN ARE FOR INFORMATION ONLY. COPIES OF ALL DOCUMENTS FOR EXECUTION MUST BE OBTAINED FROM JCWD No. 1 BY CALLING (859) 885-9314.

NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE

PROJECT: 421100		DATE: JULY 2019	
SCALE: N.T.S.			
DESIGNED BY	NAME	DATE	
DRAWN BY	SAB		
CHECKED BY	CAS		
RECORD DUGS.			



3 HMB CIRCLE
FRANKFORT, KENTUCKY
(502) 695-9800
(502) 695-9810 FAX

**JESSAMINE COUNTY WATER DISTRICT No. 1
JESSAMINE COUNTY, KENTUCKY**

STANDARD DETAILS - DOCUMENTS

SHEET
SD10

JESSAMINE COUNTY WATER DISTRICT No.1
 2225 Lexington Road
 Nicholasville, Kentucky 40356
 Phone (859)885-9314
 Fax (859)881-3814

JESSAMINE COUNTY WATER DISTRICT No. 1
 2225 Lexington Road
 Nicholasville, Kentucky 40356
 Phone (859)885-9314
 Fax (859)881-3814

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 Nicholasville, Kentucky 40356
 Phone (859)885-9314
 Fax (859)881-3814

TO: JESSAMINE COUNTY WATER DISTRICT No. 1
RE: REQUEST FOR CHANGE OR ALTERATION OF WATER LINE

**REQUIREMENTS FOR CHANGE OR
 ALTERATION OF WATER LINES OF
 JESSAMINE COUNTY WATER DISTRICT No. 1**

**APPROVAL OF WATER SYSTEM
 CHANGE OR ALTERATION**

The undersigned requests a change or alteration of the water line of Jessamine County Water District No. 1, as follows:

Any requests by third parties for changes or alterations of the water lines of Jessamine County Water District No. 1 shall comply with the following:

TO: _____

1. LOCATION OF LINE: _____

LOCATION: _____

2. REASON FOR CHANGE OR ALTERATION: _____

1. Any requested change or alteration shall be made in writing with details of the location of the line and any drawings or plans related to the reason and need for the change or alteration.

Jessamine County Water District No. 1 approves the request of the above applicant for a change or alteration of the water system of Jessamine County Water District No. 1 subject to the construction being made by the contractor authorized and designated by the District in accordance with all applicable lawful regulations and conditioned upon prepayment to the District of the sum of:

3. DATE WHEN CHANGE IS NEEDED: _____

2. Estimates of the costs related to the changes or alterations shall be made by the District, which shall include construction costs, consultant fees, survey fees, attorney fees or any other applicable expense related to the project.

\$ _____

4. NAME, PHONE AND ADDRESS OF APPLICANT: _____

As shown by the attached construction estimates or other expenses related to this change or alteration.

5. NOTE: Any drawings, plans or sketches attached for JCWD #1 review: _____

Prepayment shall be made by certified check, money order or cash.

APPLICANT REQUESTS APPROVAL OF THE CHANGE OR ALTERATION AND DETERMINATION OF THE ESTIMATED COSTS OF THE CHANGES FOR A PREPAYMENT TO BE PAID TO THE WATER DISTRICT.

3. No change or alteration shall be made until approved in writing by Jessamine County Water District No. 1 and the total amount of the estimated cost of the changes or alterations has been prepaid in advance by certified check, money order or cash. Applicant shall pay the actual expenses which exceed the prepaid estimated expenses.

Any Change Orders or increase of expenses shall be submitted and approved by Jessamine County Water District No. 1 with prepayment of the increased expenses before any of the additional construction is begun.

DATED: _____

APPLICANT FURTHER AGREES TO PREPAY IN ADVANCE ALL ESTIMATED COSTS AND EXPENSES RELATED TO THE CHANGE OR ALTERATION OF THE WATERLINE AND TO PREPAY ANY AND ALL ADDITIONAL COSTS AND EXPENSES WHICH MAY RESULT FROM THE CHANGE OR ALTERATION, INCLUDING, BUT NOT LIMITED TO, CHANGE ORDERS OR ADDITIONAL COSTS OR EXPENSES NOT KNOWN OR ANTICIPATED AT THE TIME OF THE INITIAL REQUEST FOR A CHANGE OR ALTERATION OF THE WATERLINE. A REFUND TO APPLICANT WILL BE MADE FOR ANY PORTION OF THE PREPAYMENT WHICH EXCEEDS THE ACTUAL COSTS AND EXPENSES OF THE CHANGE OR ALTERATION.

4. A refund to applicant will be made for any portion of a prepayment that exceeds the actual costs and expense of the change or alteration of the waterline.

Jessamine County Water District No. 1

DATED: _____

BY: _____

APPLICANT

RECEIVED AND
 WITNESSED BY:

 JESSAMINE COUNTY WATER DISTRICT No. 1

NOTE :
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NO.	DATE	REVISIONS	CHK'D	APPR'D	DATE

PROJECT: 427100 DATE: JULY 2019
 SCALE: N.T.S.

DESIGNED BY	NAME	DATE
CAS	CAS	
DRAWN BY	SAB	
CHECKED BY	CAS	
RECORD DUGS.		



3 HMB CIRCLE
 FRANKFORT, KENTUCKY
 (502) 695-9200
 (502) 695-9810 FAX

JESSAMINE COUNTY WATER DISTRICT No. 1
JESSAMINE COUNTY, KENTUCKY

STANDARD DETAILS - REQUEST FOR CHANGE

SHEET
 SD11