

STANDARD PRECAST MANHOLE (TYPE 1)

NOTES:

1. HEAT SHRINK WRAP ALL CONCRETE JOINTS WITH CANUSA—CPS WRAPIDSEAL OR APPROVED EQUAL MATERIAL. THIS INCLUDES THE ADJUSTMENT RING(S) AND CASTING.
2. ALL MANHOLES SHALL BE VACUUM TESTED.

3. SEAL EXTERIOR SURFACE OF MANHOLE WITH APPROVED MASTIC SEALANT (TWO COATS)





City of BELTON

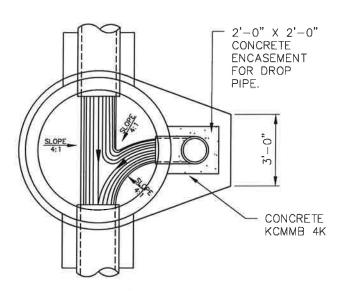
Missouri

2021 Details

PUBLIC WORKS

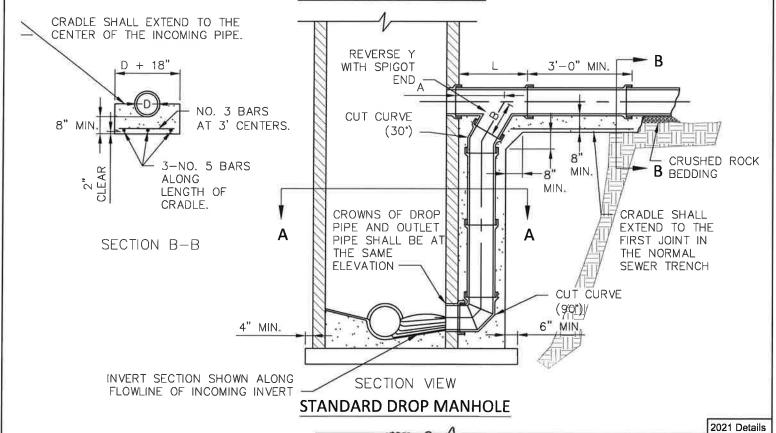
SANITARY MANHOLE (TYPE 1)

SCALE:	NO SCALE	I.I	
DETAIL NO:	SAN-002	Ψ.	
DATE:	06-07-21	102	



SECTION A-A

RE	VER	SE	Y WITH	SPIGO	T END
	SIZE		L	Α	В
8"	ON	8"	3'-0"	2'-4"	1'-3"
10"	ON	10"	3'-0"	2'-3"	1'-5"
12"	ON	12"	3'-0"	2'-1"	1'-5"



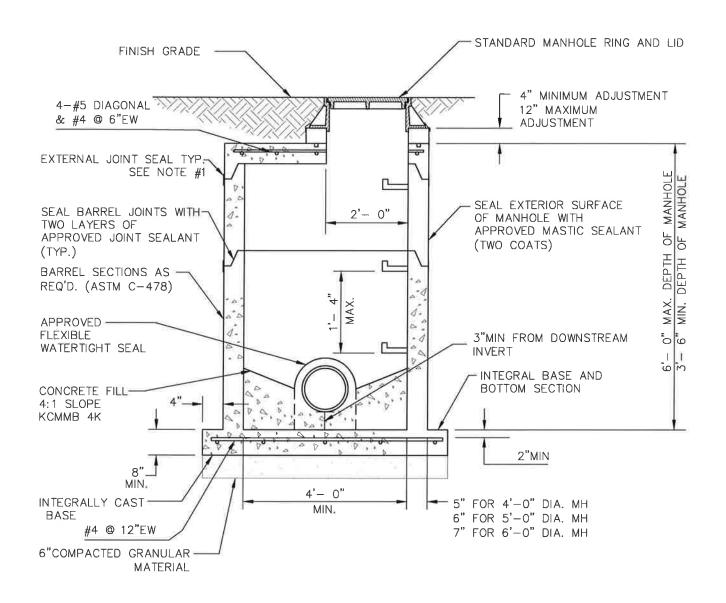


City of BELTON Missouri

PUBLIC WORKS

DROP SANITARY MANHOLE

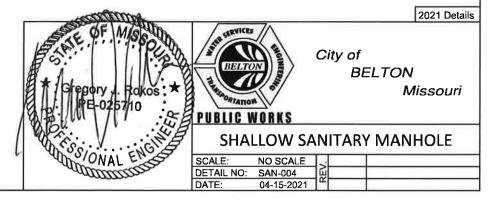
SCALE:	NO SCALE			
DETAIL NO:	SAN-003			
DATE:	05-18-21	اعا		

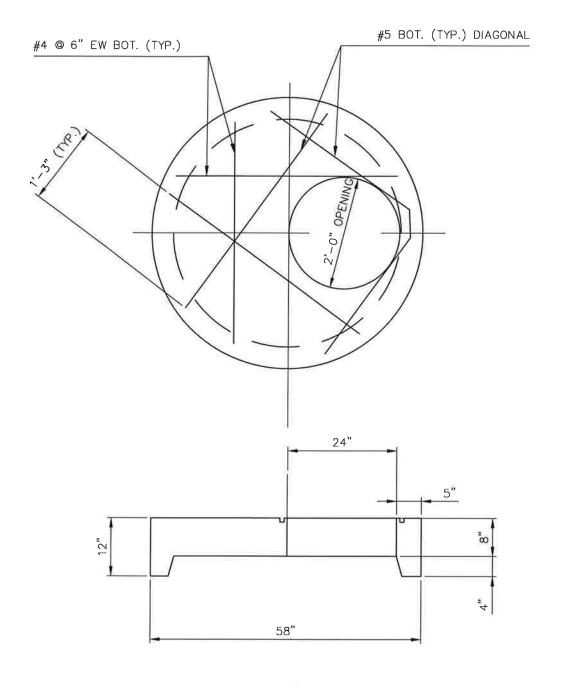


STANDARD SHALLOW MANHOLE

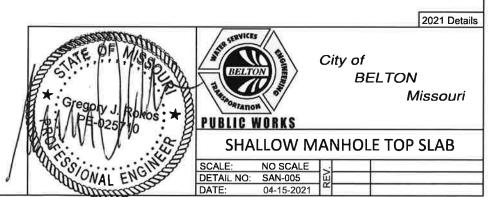
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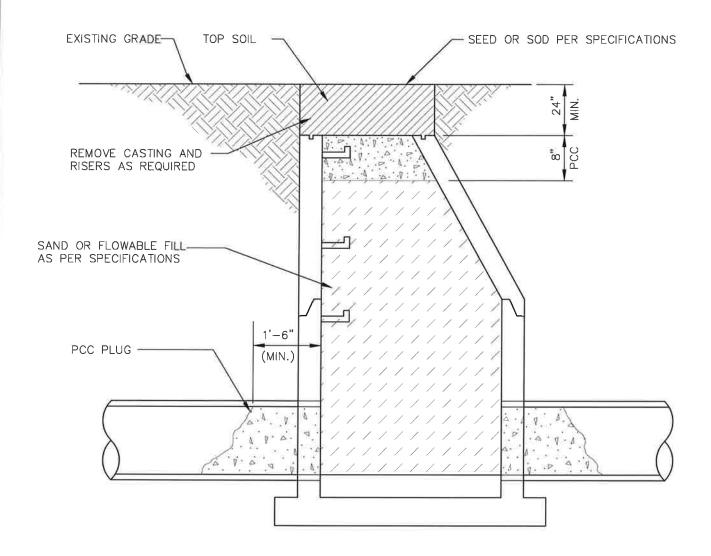




TOP SLAB FOR 48" STANDARD PRECAST SHALLOW TYPE MANHOLE DETAIL



04-15-2021



MANHOLE ABANDONMENT DETAIL

Notes:

 If flowable fill is used, pcc pipe plugs and pcc cap may be deleted.



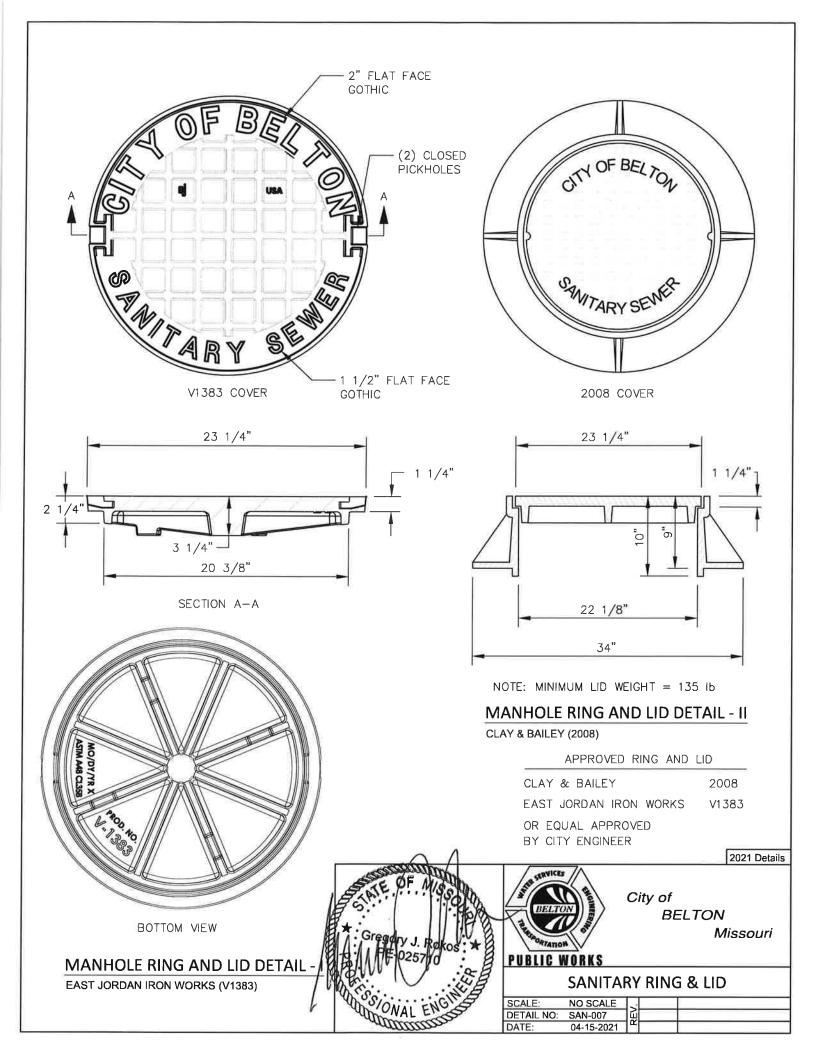
2021 Details

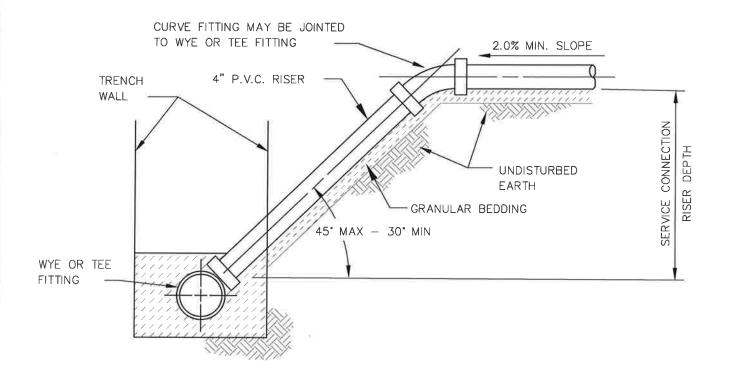
City of BELTON Missouri

PUBLIC WORKS

MANHOLF ABANDONMENT

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SCALE:	NO SCALE	2	
DETAIL NO:	SAN-006	ω I	
DATE:	04-15-2021	12	





SEWER SERVICE CONNECTION DETAIL

NOTES:

- SEWER CONNECTIONS REQUIRE PRIOR APPROVAL FROM THE CITY OF BELTON PUBLIC WORKS DEPARTMENT.
- ALL SEWER CONNECTIONS SHALL USE INSERTA TEE BRAND CONNECTOR INSTALLED USING MANUFACTURERS SPECIFICATIONS OR APPROVED EQUAL.
- 3. CITY STAFF IN THE PUBLIC WORKS DEPARTMENT MUST BE ON SITE DURING CORING AND INSTALLATION OF THE SEWER CONNECTION. STAFF MUST BE NOTIFIED 24 HOURS IN ADVANCE.
- 4. WHEN MORE THAN ONE SERVICE CONNECTION IS NEEDED WITHIN A TWENTY FOOT SECTION OF SEWER MAIN, CONNECTIONS MUST BE SPACED A MINIMUM OF 2 FEET APART. NO CONNECTIONS ALLOWED WITHIN 2 FEET OF THE PIPE JOINT.

City of BELTON
Missouri

PUBLIC WORKS

SANITARY SEWER SERVICE

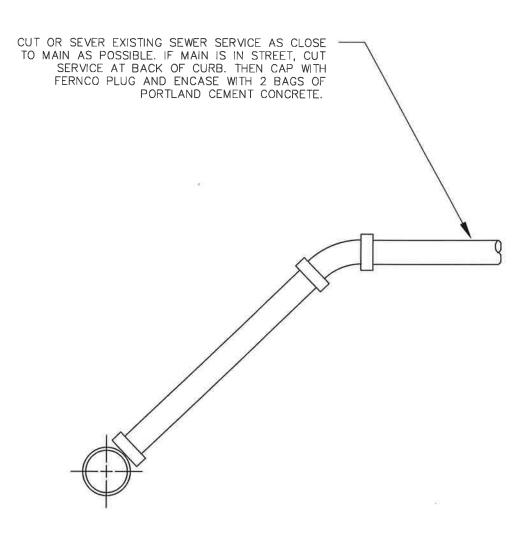
SCALE: NO SCALE | 03-31-21 NOTES.

SAN-008

04-15-2021

DETAIL NO:

DATE:



SANITARY SEWER SERVICE DEMOLITION DETAIL





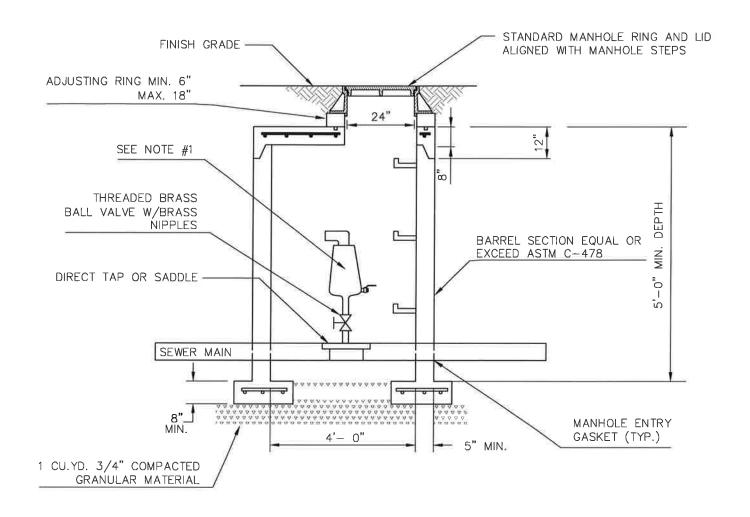


City of **BELTON** Missouri

PUBLIC WORKS

SANITARY SERVICE LINE DEMOLITION

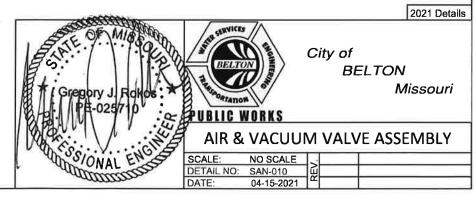
SCALE:	NO SCALE		
DETAIL NO:	SAN-009		
DATE:	04-15-2021	72	

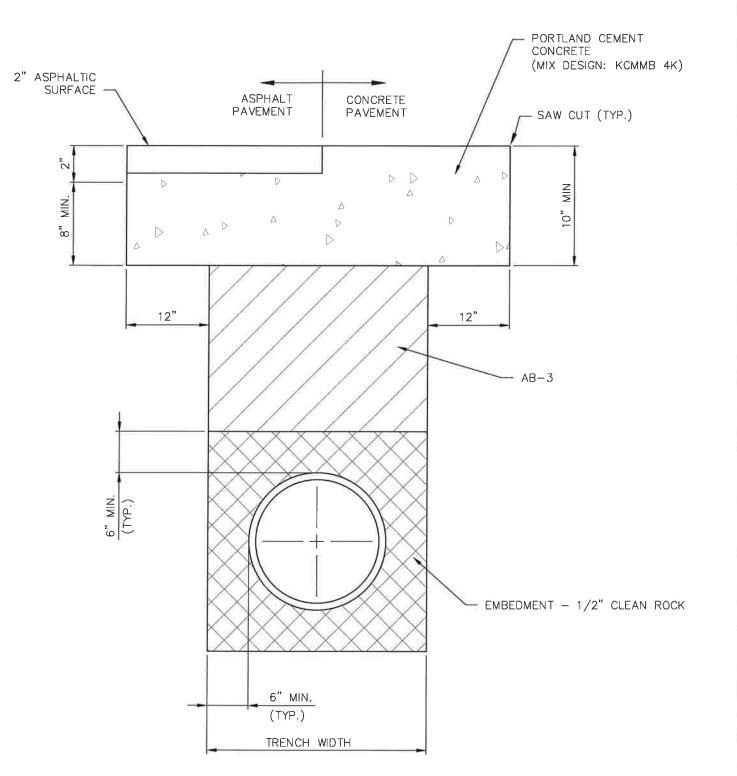


SEWER COMBINATION AIR/VACUUM VALVE ASSEMBLY

NOTES:

- 1. COMBINATION AIR & VACUUM VALVE ASSEMBLY — A.R.I. D—025 FOR 150 PSI AND BELOW, A.R.I. D—020 ABOVE 150 PSI, OR NSF RATED APPROVED EQUAL.
- 2. VAULT SHALL BE STANDARD PRECAST SHALLOW TYPE MANHOLE.



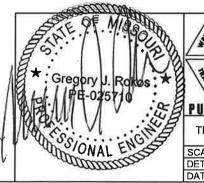


PIPE EMBEDMENT - BACKFILL UNDER PAVED AREAS

NOTES:

1. IF THE TRENCH WIDTH IS LESS THAN OR EQUAL TO 24-INCHES, IT SHALL BE BACKFILLED WITH FLOWABLE FILL. FLOWABLE FILL MIX DESIGN TO BE APPROVED BY THE CITY PRIOR TO PLACEMENT.

 AB-3 MUST BE COMPACTED TO A MINIMUM OF 95 PERCENT PROCTOR DENSITY UNLESS OTHERWISE SPECIFIED BY THE CITY ENGINEER.



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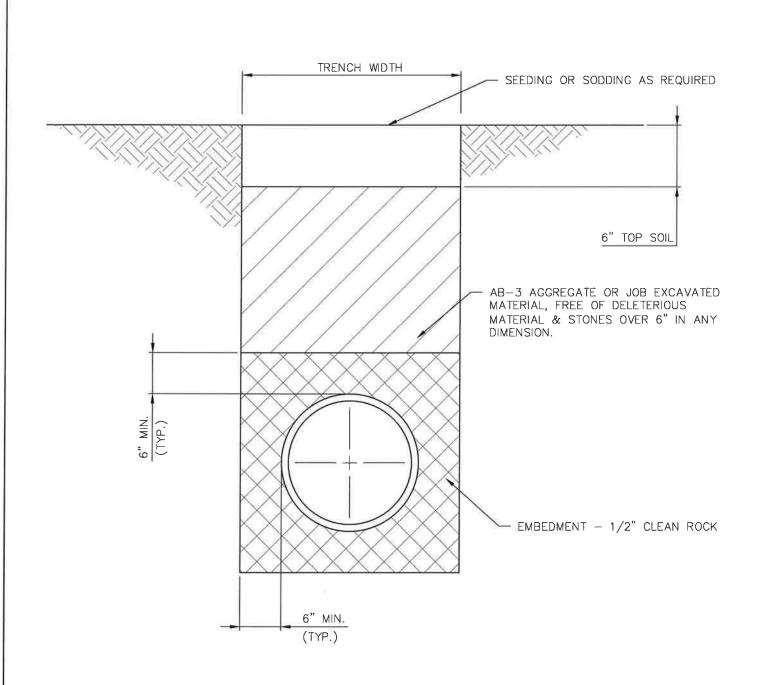
City of BELTON Missouri

2021 Details

PUBLIC WORKS

TRENCH BACKFILL & EMBEDMENT UNDER PAVEMENT

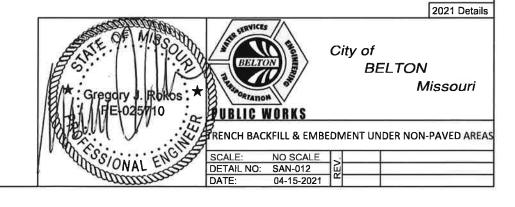
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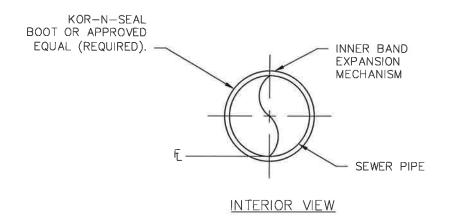


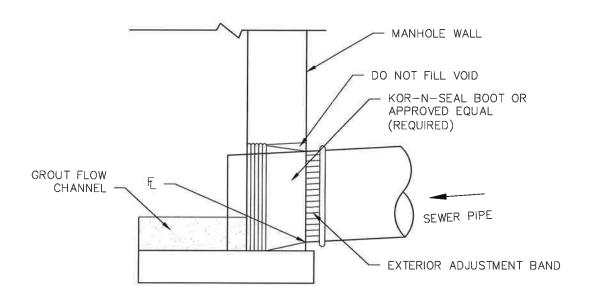
PIPE EMBEDMENT - BACKFILL UNDER NON-PAVED AREAS

NOTES:

 AB-3 MUST BE COMPACTED TO A MINIMUM OF 95 PERCENT STANDARD PROCTOR DENSITY UNLESS OTHERWISE SPECIFIED BY THE CITY ENGINEER.

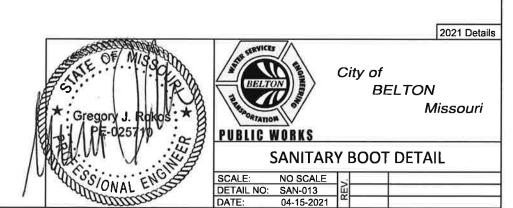


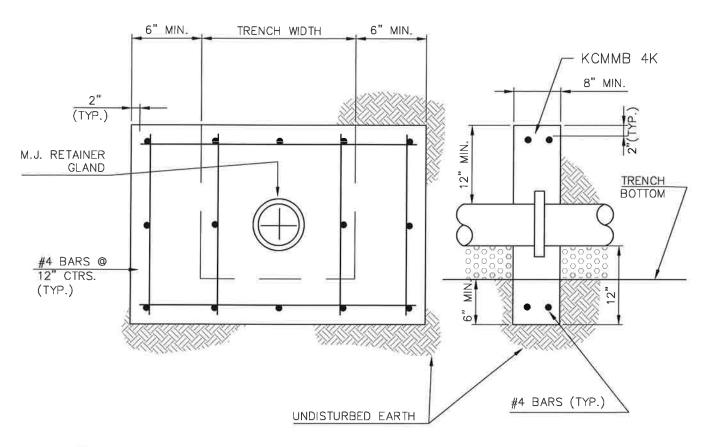




SECTION

TYPICAL CONNECTION TO EXISTING MANHOLE





NOTE:

CONCRETE THRUST COLLAR TO BE INSTALLED ON GRAVITY SEWER LINES LAID AT 20% SLOPES OR GREATER, AT INTERVALS INDICATED ON SEWER PROFILE DRAWINGS.

CONCRETE THRUST COLLAR DETAIL

