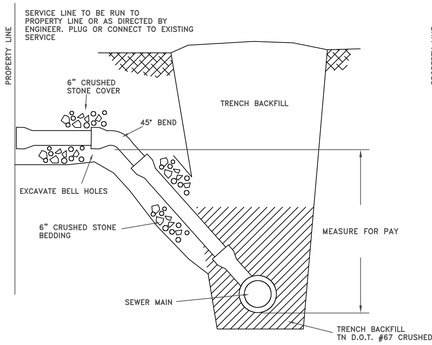
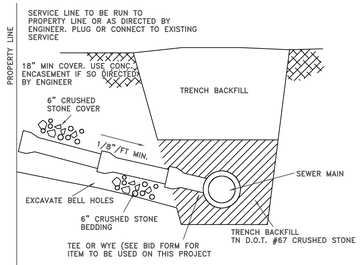


ELEVATED SERVICE LINE DETAIL

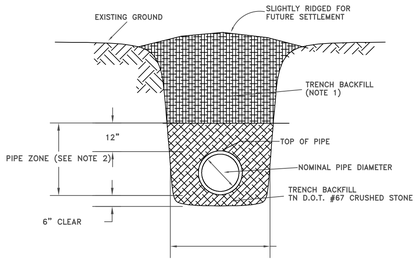


SERVICE LINE DETAIL

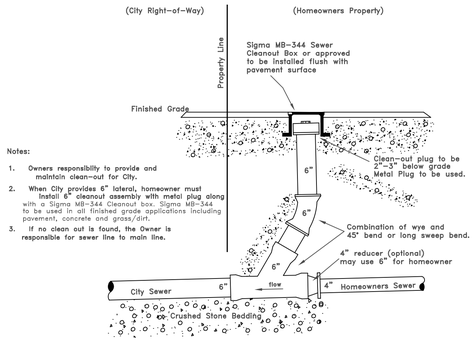
SEWER SERVICE DETAIL
NOT TO SCALE

NOTES:
1. BACKFILL ON SERVICE LINES TO BE AS DESCRIBED IN PROJECT SPECS
2. ELEVATED SERVICE LINE TO BE USED WHERE SHOWN ON PLANS OR AS DIRECTED BY ENGINEER.
3. BATTER BOARDS NOT REQUIRED FOR PIPE LAYING, BUT GRADE TO BE REASONABLY UNIFORM AND ALIGNMENT STRAIGHT. GRADE SHALL BE SUFFICIENT TO PROVIDE SERVICE TO BUILDING OR AS DIRECTED BY ENGINEER WITH MIN. TO BE THAT ALLOWED BY LOCAL PLUMBING CODE OR 1/8"/FT. MIN.

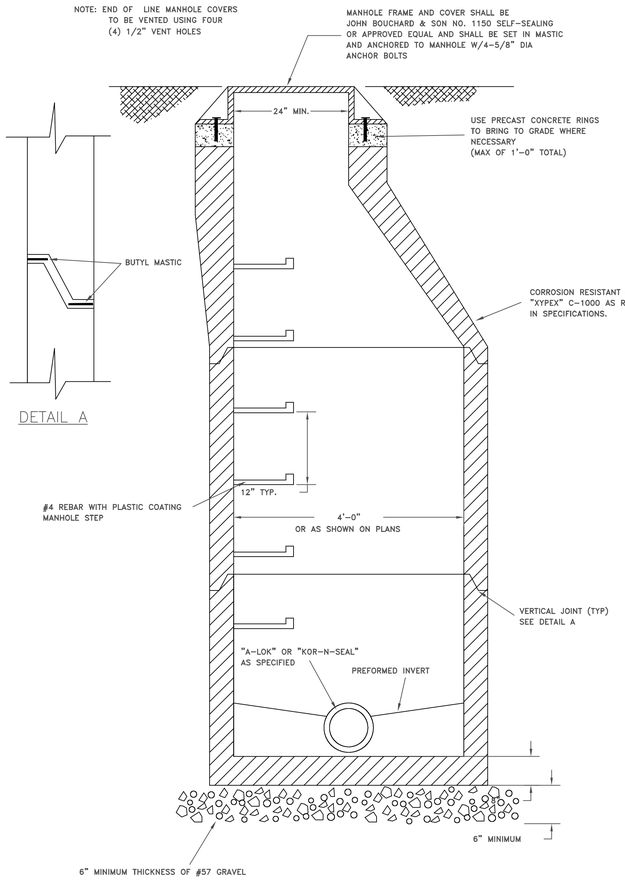
NOTES:
1. SEE PROJECT SPECIFICATIONS FOR BACKFILL REQUIREMENTS.
2. "PIPE ZONE" EXTENDS TO 12" ABOVE TOP OF PIPE AND IS AREA IN WHICH SPECIAL CARE IS TO BE GIVEN TO PLACEMENT AND COMPACTION TO PROTECT PIPE DURING AND AFTER LAYING.
3. LIMIT TRENCH WIDTH AT TOP OF PIPE TO NOMINAL PIPE DIAMETER PLUS 16" UNLESS PERMITTED OTHERWISE BY ENGINEER.
4. TRENCH SHALL BE DUG TO GIVE PIPE FULL AND CONTINUOUS SUPPORT. ALL ROCK TO BE REMOVED WITHIN 6" OF PIPE – BED TO PIPE GRADE WITH CRUSHED STONE BEDDING. BEDDING FROM PIPE GRADE TO 1/2 PIPE DIAMETER TO BE TAMPED EARTH, CRUSHED STONE OR OTHER APPROVED MATERIAL.
5. PIPE TO BE CONTINUOUSLY SUPPORTED ALONG LENGTH OF PIPE BARREL EXCEPT AT BELL. BELL HOLES ARE REQUIRED SUCH THAT NO BEARING LOAD IS TAKEN BY THE BELL.



SEWER LINE INSTALLATION
IN GRASSED AREA
NOT TO SCALE

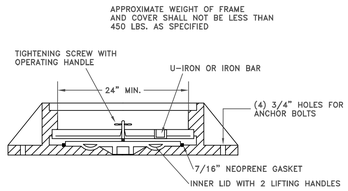


CONCRETE CAP
NOT TO SCALE

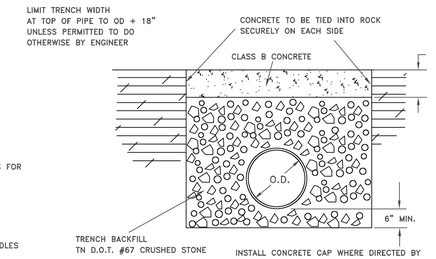


DETAIL A

PRECAST MANHOLE DETAILS
NOT TO SCALE



WATERTIGHT MANHOLE FRAME & COVER
NOT TO SCALE



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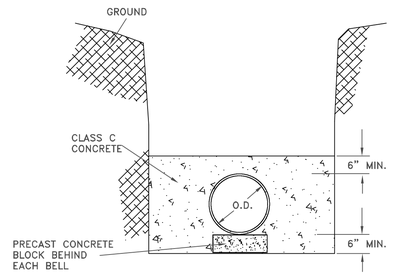
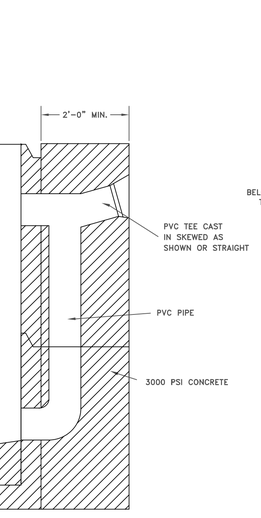
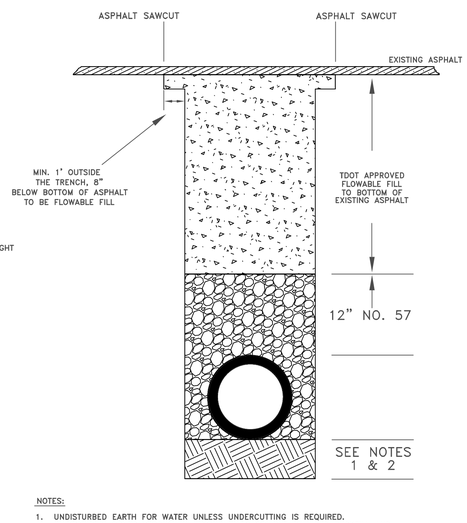


CONCRETE ENCASEMENT
NOT TO SCALE

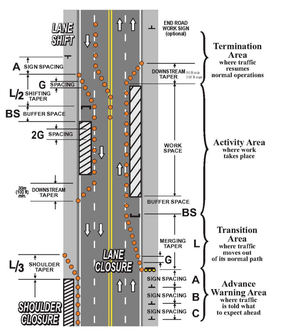


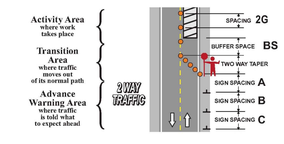
STANDARD DROP MANHOLE DETAILS
NOT TO SCALE



NOTES:
1. UNDISTURBED EARTH FOR WATER UNLESS UNDERCUTTING IS REQUIRED. IF REQUIRED, CONTRACTOR SHALL EXCAVATE TO SOILD EARTH AND BACKFILL AND COMPACT IN 6" LIFTS TO BOTTOM OF PIPE ELEVATION.
2. FOR SEWER INSTALLATION, THE PIPE SHALL BE BEDDED ON 6" OF COMPACTED NO. 57 STONE.
3. ALL PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
4. ASPHALT REPLACEMENT SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

FLOWABLE FILL (CITY & STATE ROADS)
NOT TO SCALE





Components of a Stationary Temporary Traffic Control Zone

NOTES:
1. CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL.
2. FOR LANE CLOSURES ON TN STATE ROUTES, A TRAFFIC CONTROL IS REQUIRED AND MUST BE SUBMITTED TO TDOT.
3. ALL TRAFFIC CONTROL SET-UPS SHALL BE APPROVED BY THE CITY (LOCAL STREETS) AND BY TDOT (STATES ROUTES).
4. ALL TRAFFIC CONTROL SET-UPS SHALL COMPLY WITH ALL MUTCD REQUIREMENTS AND GUIDELINES.

TRAFFIC CONTROL (CITY & STATE ROADS)
NOT TO SCALE

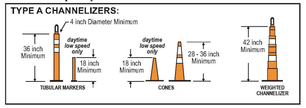
Temporary Traffic Control Distance Charts

Posted Speed Limit Prior to Work Starting (mph)		Advance Warning Sign Spacing (A, B, C) feet				Taper Length (1/2 if lane)	Shifting Taper	Typical Shoulder Taper
		Conventional Hwy (A,B,C)		Freeway/ Expressway		(L)	(L/2)	(L/3)
	Equal	A	B	C		feet	feet	feet
0 - 30	G = 25 ft	100	500	1000	500 2640	200	100	75
35 - 40		100	500	1000	500 2640	325	175	125
45 - 50	G = 50 ft	350	500	1000	500 2640	600	300	200
55		350	500	1000	500 2640	700	350	250
60 - 65		350	500	1000	500 2640	800	400	275
70 - 75		350	500	1000	500 2640	900	450	300

Posted Speed Limit Prior to Work Starting (mph)		Buffer Space	Decision Sight Distance	Shadow Vehicle Following Distance (F) feet	Protection Vehicle Roll-Ahead Buffer Distance (with or without TMA) (R)	
		(BS)	(D)		Moving (15 mph max)	Stopped
		feet	feet		feet	feet
0 - 30	G = 25 ft	200	550	250 - 550	100	100
35 - 40		305	700	325 - 700	100	100
45 - 50	G = 50 ft	425	900	600 - 900	175	125
55		500	1200	750 - 1200	175	125
60 - 65		650	1400	1000 - 1400	225	175
70 - 75		820	1600	1300 - 1600	225	175

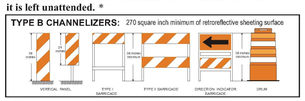
Type A channelizing devices are typically used in attended temporary traffic control zones.*

TYPE A CHANNELIZERS: 4 inch Diameter Minimum



Type B channelizing devices shall be used if the temporary traffic control zone will be installed for more than 12 hours or if it is left unattended. *

TYPE B CHANNELIZERS: 270 square inch minimum of retroreflective sheeting surface



* See the MUTCD, Part 6F for more details on application restrictions.

CITY OF COOKEVILLE TENNESSEE
DEPT. OF WATER QUALITY CONTROL

STANDARD SEWER DETAILS

REVISIONS
DATE: DESC: BY:

DATE: 7/27/2023
SCALE: NTS
PROJ:

DESIGN:
CHECKED:
DRAWN:

SHEET SS