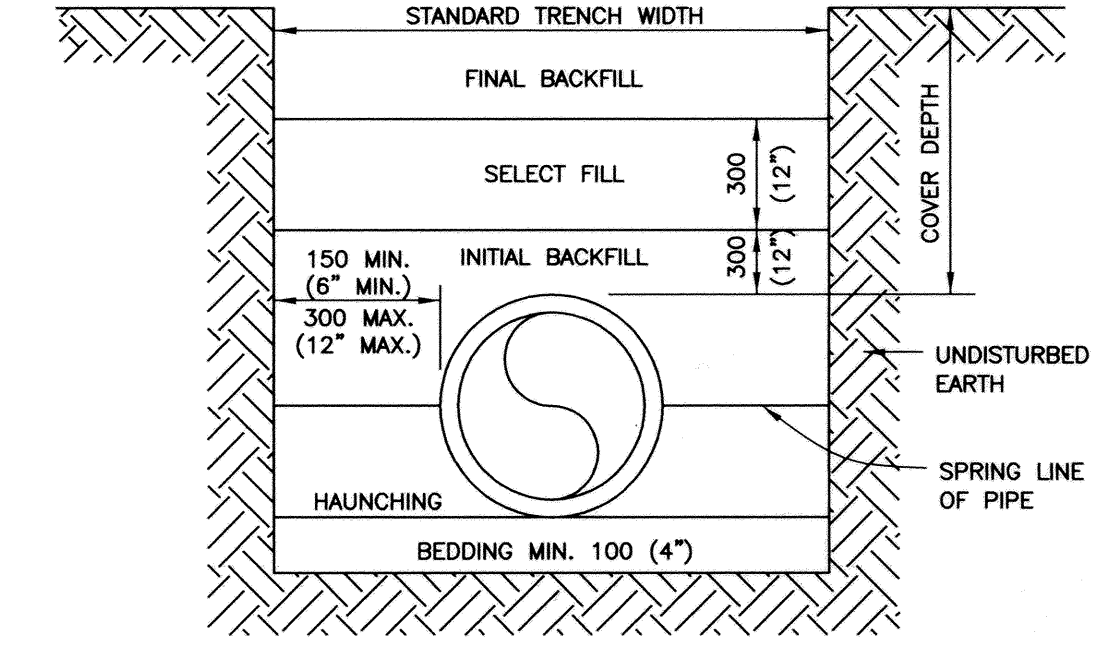


BEDDING MATERIALS

BACKFILL DESCRIPTION	NON-PAVED AREAS			PAVED AREAS (See Note 7)		
	P V C	DUCTILE IRON	H D P E	P V C	DUCTILE IRON	H D P E
FINAL BACKFILL	EXCAVATED MATERIAL	EXCAVATED MATERIAL	EXCAVATED MATERIAL	SBM	SBM	SBM
SELECT BACKFILL	SELECT FILL	SELECT FILL	SELECT FILL	SBM	SBM	SBM
INITIAL BACKFILL	COVER ≤ 10" SAND OR SBM > 10" SBM	SELECT FILL	COVER ≤ 10" SAND OR SBM > 10" SBM	SBM	SBM	SBM
HAUNCHING	COVER ≤ 10" SAND OR SBM > 10" SBM	SELECT FILL	COVER ≤ 10" SAND OR SBM > 10" SBM	SBM	SBM	SBM
BEDDING	See Note 3	See Note 3	See Note 3	See Note 3	See Note 3	See Note 3

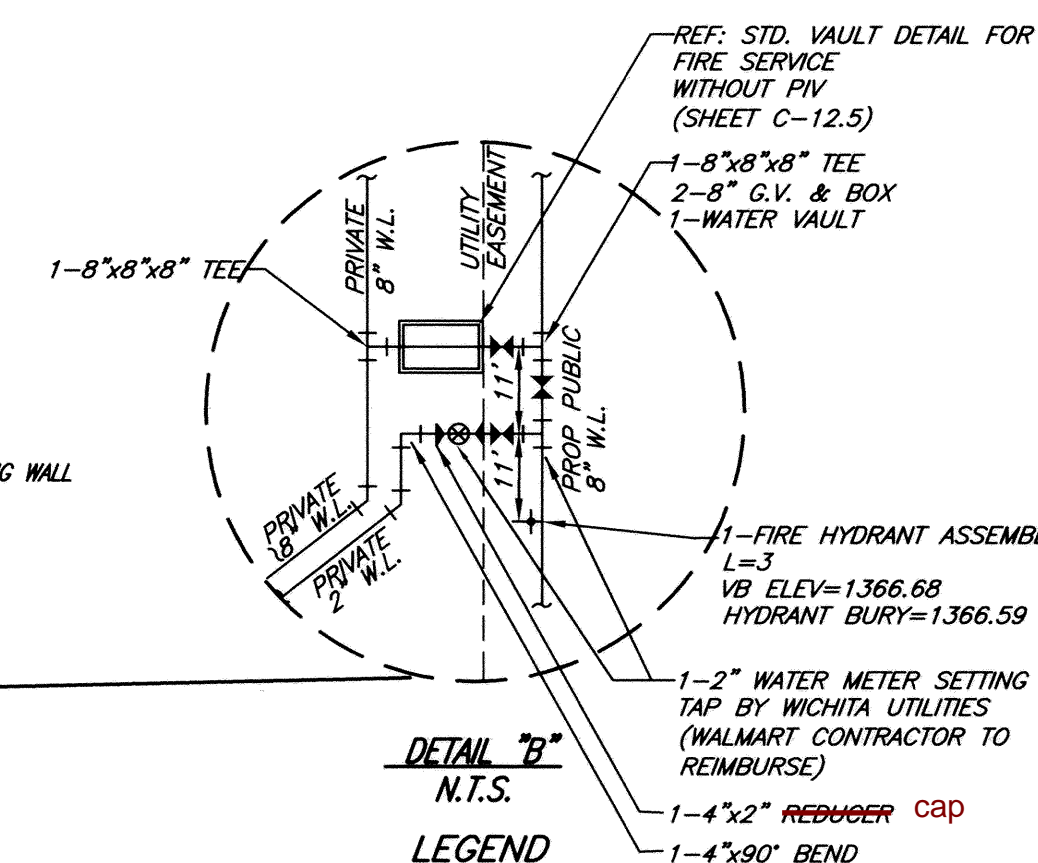
PIPE INSIDE DIAMETER		STANDARD TRENCH WIDTH	
MM	IN.	MM	IN.
150	6	450	18
200	8	600	24
250	10	750	30
300	12	750	30
375	15	900	36
450	18	900	36
525	21	1,050	42
600	24	1,050	42
675	27	1,200	48
750	30	1,200	48
900	36	1,350	54
1,050	42	1,500	60
1,200	48	1,650	66



- NOTES:**
- INSTALLATION AND BACK FILLING SHALL MEET MANUFACTURERS RECOMMENDATIONS.
 - SELECT FILL CONSISTS OF EXCAVATED MATERIALS CONTAINING NO ROCKS LARGER THAN 50 MM (2").
 - STANDARD BEDDING MATERIAL (SBM) SHALL CONFORM TO KDOT AB-3 AGGREGATE BASE OR FLOWABLE FILL OR APPROVED EQUAL.
 - COMPACTION REQUIREMENTS: 95% MAXIMUM STANDARD PROCTOR DENSITY.
 - IN SANDY SOIL, CONTRACTOR MAY BACKFILL WITH NATIVE MATERIAL AND USE WARNING TAPE 18" ABOVE PIPE.
 - NO WATER JETTING ALLOWED.
 - THE BACKFILL MATERIAL SHALL EXTEND A MINIMUM OF 2- FEET BEHIND THE BACK OF CURB, OR THE EDGE OF PAVEMENT WHERE NO CURB EXISTS.
- (METRIC UNITS ARE IN MM WITH ENGLISH UNITS IN PARENTHESIS, UNLESS INDICATED OTHERWISE.)

WATER PIPE TRENCHING AND BEDDING

N.T.S.



- LEGEND**
- SIGN (STOP, YIELD, etc...)
 - ISLE INDICATOR SIGN
 - LIGHT POLE AND FIXTURE TYPE
 - TRAFFIC FLOW ARROW
 - STRAIGHT ARROW
 - LEFT TURN ARROW
 - RIGHT TURN ARROW
 - CART CORRAL
 - TC TOP OF CURB
 - TP TOP OF PAVEMENT
 - TW TOP OF WALK
 - TG TOP OF GUTTER
 - SW SIDEWALK
 - R RADIUS
 - U/E UTILITY EASEMENT
 - W/E WALL EASEMENT
 - U.C.S. UNDERGROUND COLLECTION SYSTEM
 - XXXXX SPOT ELEVATION
 - XX PROPOSED CONTOUR & CONTOUR ELEVATION
 - ■ STORM SEWER INLET
 - T STORM SEWER CURB INLET
 - ● STORM SEWER MANHOLE (SIS M.H.)
 - • S.S. MANHOLE
 - • S.S. CLEANOUTS
 - --- FUTURE CURB & GUTTER (BY OTHERS)
 - UGE POWER UNDERGROUND BY CONTRACTOR
 - UT TELEPHONE UNDERGROUND (PER CITY SIDS)
 - — POWER OVERHEAD
 - G GAS LINE
 - → FLOW DIRECTION
 - SWS STORM SEWER
 - L.S. LANDSCAPE
 - S.S. SANITARY SEWER
 - W WATER LINE
 - DOM DOMESTIC WATER LINE

UTILITY STATEMENT & CAUTION:

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON A COMBINATION OF FIELD SURVEY INFORMATION, EXISTING DRAWINGS AND RECORDS OF THE VARIOUS UTILITY COMPANIES. THE ENGINEER MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE ENGINEER HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

PUBLIC WATERLINE LOCATION PLAN

MARKET STORE #5860-00

HARRY STREET & WEBB ROAD WICHITA, KANSAS

SMC Consulting Engineers, P.C.
 815 West Main - Oklahoma City, OK 73106
 PH: 405-232-7715 Fax: 405-232-7859

SMC

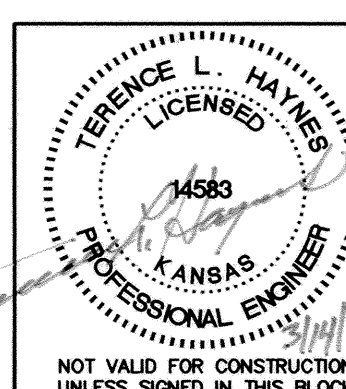
KANSAS CERTIFICATE OF AUTHORIZATION NO. E-335 EXP. DEC. 31, 2011

No.	Revision	By	Date
1	Revised Per City's Comments	KST	11/01/10
2	MM OIB REVIEW	KST	01/27/11
3	MM OIB	KST	02/22/11
4	Revised Per City's Comments	KST	03/27/11
5	Revised Per City's Comments	TAB	03/14/11

DATE: 10/04/10 SCALE: 1"=50'

DRAWN BY: KST PROJECT NO.: 4946.00 SHEET NO. C-12.2

ENGINEER: TERENCE L. HAYNES, P.E. #14583



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