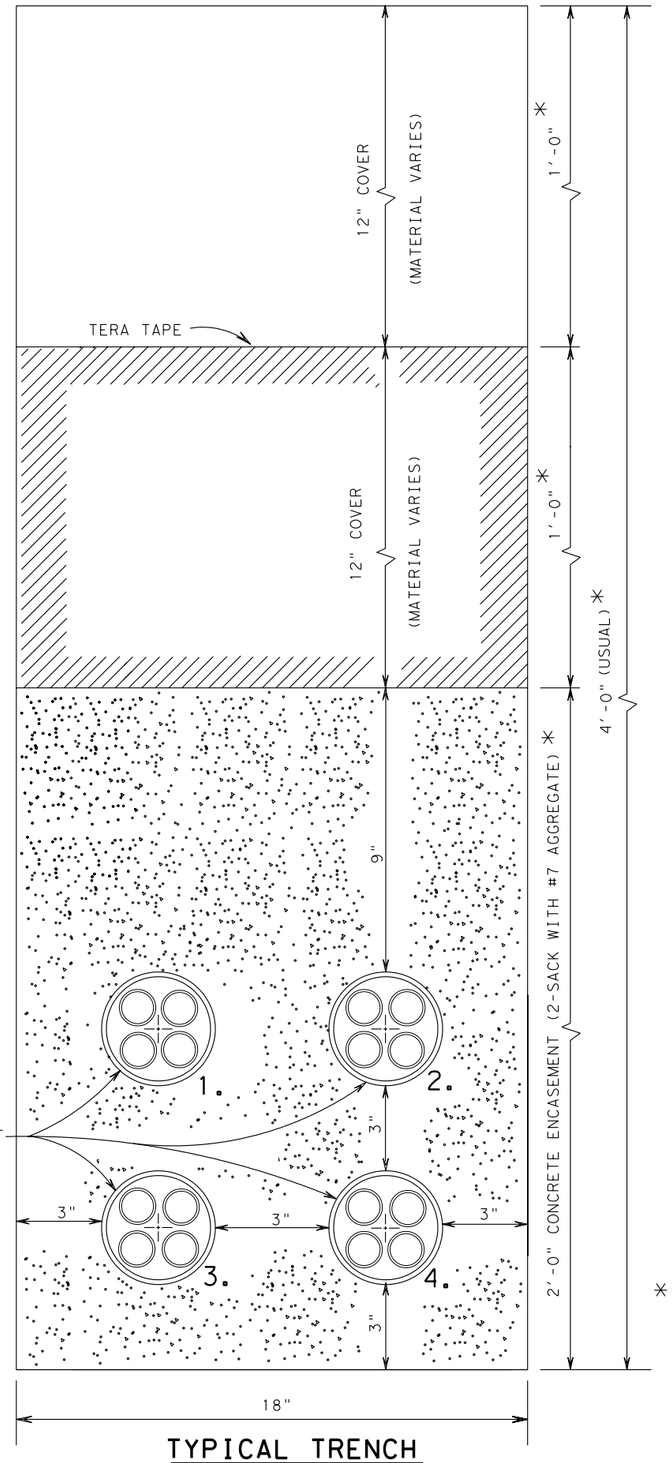
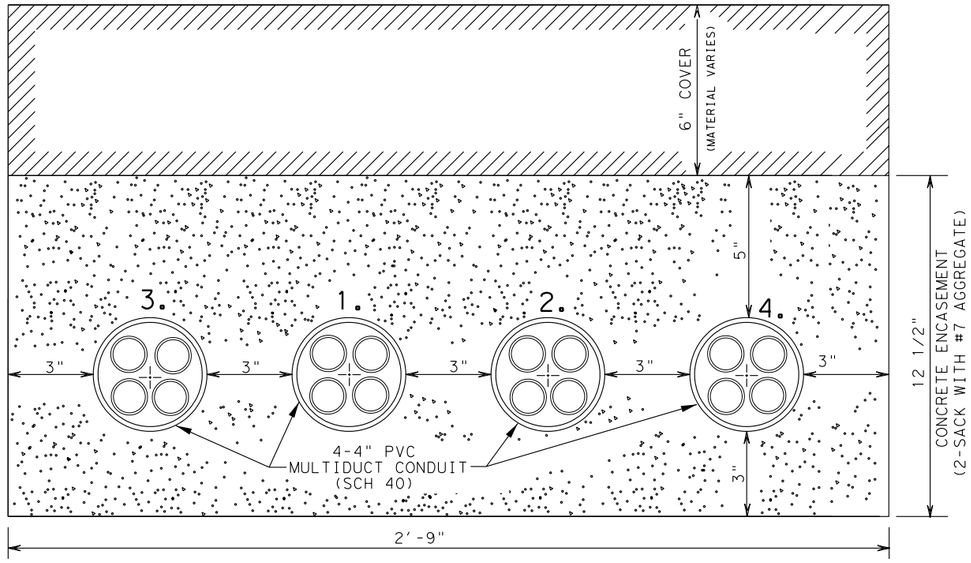


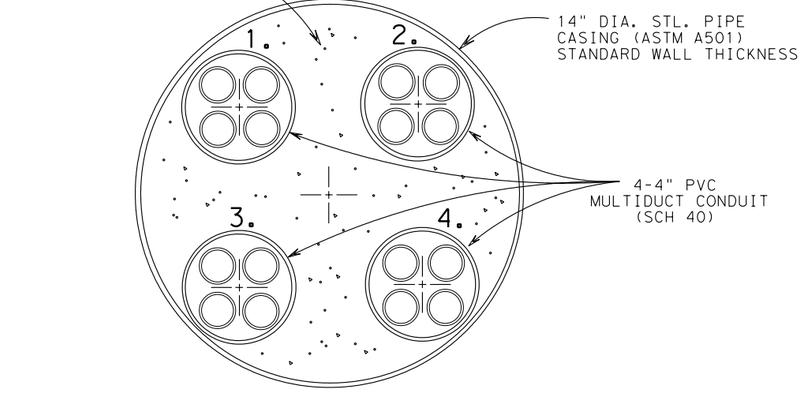
TYPICAL TRENCH

(TRENCH IN SOIL)



MODIFIED TRENCH

SHALL ONLY BE USED WHEN APPROVED BY THE ENGINEER DUE TO UTILITY CONFLICT



TYPICAL BORE

* FOR TRENCH IN ROADWAY:

CONTRACTOR SHALL CONCRETE ENCASE 4 FEET IN DEPTH (WITH CLASS "A" CONCRETE) ANY TRENCHES THROUGH MAINLANES, FRONTAGE ROADS, INTERSECTIONS, OR RAMPS. TOP OF CONCRETE SHALL BE 1 1/2" BELOW FINISHED GRADE OR AS DIRECTED BY THE ENGINEER. 1 1/2" OF ASPHALT SHALL BE PLACED ON TOP OF CONCRETE ENCASEMENT TO FINISHED GRADE. ANY ADDITIONAL CONCRETE SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.

NOTES:

1. SPECIAL ATTENTION SHOULD BE MADE TO THE EXISTING UTILITIES. THE CONTRACTOR MAY HAVE TO VARY THE DEPTH OF THE TRENCH IN ORDER TO PASS OVER/UNDER ANY EXISTING UTILITY.
2. A TEMPLATE SHALL BE PROVIDED AT 10' (FOOT) INTERVALS TO INSURE THAT THE CONDUIT REMAINS IN ITS ORIGINAL POSITION AS APPROVED BY THE ENGINEER.
3. NO DIRECT PAYMENT SHALL BE MADE FOR THE CONCRETE ENCASEMENT OR TEMPLATES BUT THESE SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.
4. A 10' (FOOT) TRANSITION SHALL BE USED TO GO FROM A TYPICAL TRENCH TO A MODIFIED TRENCH.
5. SEE "ED" SHEETS FOR ADDITIONAL DETAILS AND NOTES.
6. THE LOCATION OF UTILITIES, EITHER UNDERGROUND OR OVERHEAD, SHALL BE VERIFIED BY THE CONTRACTOR BEFORE BEGINNING CONSTRUCTION OPERATIONS.
7. FOR TYPICAL BORE, A 2' (FOOT) PLUG OF CEMENT SAND SLURRY SHALL BE INJECTED INTO EACH END OF STEEL PIPE CASING TO MAKE IT WATERTIGHT. CASING SHALL BE CONSIDERED SUBSIDIARY TO THE MULTIDUCT.
8. INSTALL A SINGLE 1/C #14 INSULATED WIRE IN CONDUIT RUN. (TRACER WIRE FOR LOCATING UNDERGROUND CONDUIT)

4" PVC MULTIDUCT CONDUIT [4-WAY SYSTEM]

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FED.RD. DIV.NO.	FEDERAL AID PROJECT NO.		SHEET NO.
6			
STATE	DIST.	COUNTY	
TEXAS	SAT	BEXAR	
CONT.	SECT.	JOB	HIGHWAY NO.

6-2-04
6-21-02
2-16-00
8-30-99
4-7-99
MODIFIED 12-3-98

LEVELS DISPLAYED
1 3 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 32 42 52 62 72 82 93 03 13 23
33 43 53 63 73 83 94 04 14 24 34 44 54 64 74 84
49 50 51 52 53 54 55 56 57 58 59 60 61 62 63

ACC:
FILE: .DGN
$TIME$
$DATE$
$FILE$

PLAN