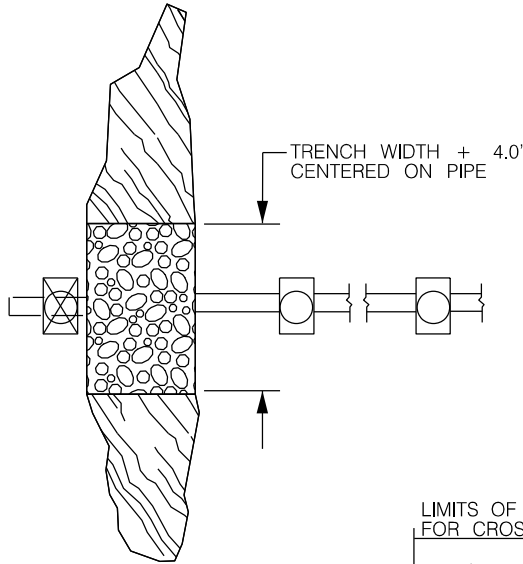
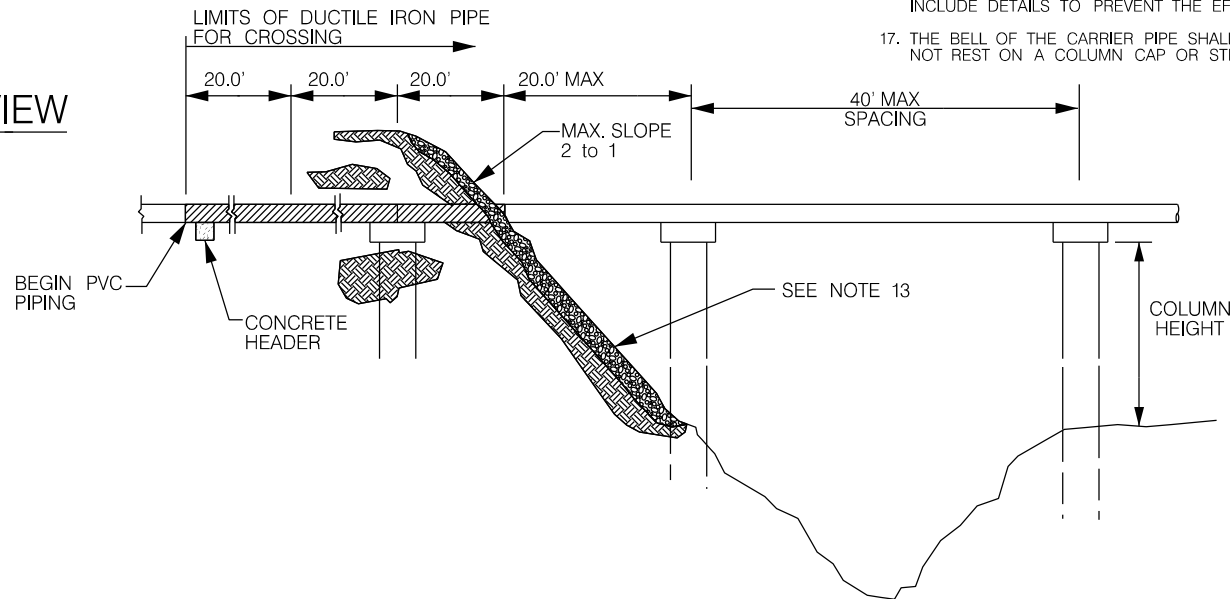


STRUCTURAL NOTES:

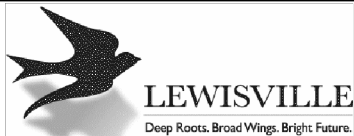
1. ALL STRUCTURAL STEEL TO BE A-36
2. PAINT ALL STRUCTURAL STEEL, TWO (2) SHOP COATS OF RED OXIDE
3. REINFORCING STEEL (REBAR) SHALL BE GRADE 40 OR BETTER.
4. ALL CONCRETE TO BE CLASS "C", 3600 PSI AT 28 DAYS
5. SECTION "B-B" BLOCKING SHALL NOT ENCASE THE SUPPORTING BEAMS.
6. PORTIONS OF CIRCULAR COLUMNS ABOVE GROUND SHALL BE FORMED WITH METAL FORMS.
7. CORNERS OF ALL CONCRETE SHALL BE FORMED USING 3/4" CHAMFER STRIPS UNLESS OTHERWISE NOTED
8. DIMENSIONS RELATING TO REINFORCING STEEL ARE "CENTER TO CENTER OF BARS.
9. DESIGN STRENGTH FOR REINFORCING STEEL IS EQUAL 20000 p.s.i.
10. DESIGN STRENGTH $f_c = 1200$ p.s.i.
11. GROUTED ROCK RIP-RAP WITH FILTER FABRIC SHALL CONFORM TO "ITEM 432" AS REFERENCED IN "TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION
12. A GEOTECHNICAL REPORT SHALL BE UTILIZED FOR DETERMINING THE REQUIRED DEPTH OF THE DRILL SHAFTS.
13. GROUTED ROCK RIP-RAP SHALL BE INSTALLED FROM THE TOP OF THE BANK TO A MINIMUM OF 4.0' FROM BOTTOM OF PIPE TRENCH.
14. PROVIDE 2 (TWO) INCHES OF COVER FOR ALL REINFORCING STEEL.
15. DRILL SHAFTS SHALL NOT BE CONSTRUCTED IN A MANNER THAT WILL IMPEDE THE FLOW OF WATER WITHIN THE LIMITS OF THE MAIN CHANNEL
16. DRILL SHAFTS CONSTRUCTED WITHIN THE LIMITS OF THE CHANNEL SHALL INCLUDE DETAILS TO PREVENT THE EFFECTS OF SCOURING.
17. THE BELL OF THE CARRIER PIPE SHALL BE POSITIONED SUCH THAT IT DOES NOT REST ON A COLUMN CAP OR STEEL STRAP.



PLAN VIEW



NOTE:
DETAIL SUBJECT TO CHANGE PER DIRECTION
OF CITY OF LEWISVILLE ENGINEERING DIVISION



Standard Details
Aerial Crossing

Revisions:		
No.	Description	Date

Engineering Department

Office No. 972-219-3490

www.cityoflewisville.com

Dated: 4-27-10

Dated: 11-14-2019

Sheet:

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