

GENERAL NOTES

1. All sewer main construction shall conform to the minimum requirements of the Texas State Department of Health Rules and Regulations for public water and sewer systems.
2. All construction shall conform to the requirements as stated in the "Standard Specifications For Public Works Construction, North Central Texas Council of Governments" (latest edition).
3. All 8" force mains shall be Class 200, AWWA C900, P.V.C. pipe.
4. Depth of sewer line shall be adjusted as necessary to avoid conflicts with other underground utilities. No separate pay for use of vertical bends or additional depth of cut.
5. All mains shall be tested in accordance with City of Addison subdivision testing requirements as shown in the specifications. Force main shall be tested per water conduit requirements. Not a separate pay item.
6. All sanitary sewer pipe joints shall be SDR 35 PVC ASTM D3034 (green in color), unless otherwise noted.
7. The Contractor shall be required to provide and maintain all necessary warning and safety devices (flashing lights, barricades, signs, etc.) in accordance with Texas Manual on Uniform Traffic Control Devices to protect the public safety and health until all the work has been completed and accepted by the City. Not a separate pay item.
8. The locations of existing utilities indicated on these plans are taken from existing public records. The Contractor is solely responsible for verification of vertical and horizontal location of all utilities prior to construction. Additional utilities and services may be crossing proposed sanitary sewer line. Contractor shall notify all utility companies with facilities in project area 48 hours prior to construction. Contractor is responsible for repairing damage to existing utilities, whether shown or not shown on plans, at no additional cost to the City.
9. All expansion joints shall be subsidiary to pavement replacement.
10. All sawcuts are to be full depth unless otherwise indicated on plans.
11. All dimensions to curbline are referenced to the back of curb unless otherwise noted. Curb removal/replacement is subsidiary to pavement removal/replacement.
12. All trees shall be protected from damage unless specifically designated for removal on the plans.
13. All embedment and backfill to be included in the unit prices for installation of pipe.
14. The Contractor shall notify the following, five (5) days before starting work on the improvements shown on these plans.

a.	SW Bell Telephone	ENTERPRISE 9900
b.	GTE Telephone	(214) 318-3890
c.	TU Electric	(214) 323-8910
d.	Lone Star Gas	(214) 263-3444
e.	Storer Cable	(214) 840-2288
f.	Conoco Pipeline	(800) 833-6012
g.	Explorer Pipeline	(918) 493-5100
h.	Sprint	(800) 245-4545
15. The Contractor shall notify the following, five days before starting work on the improvements in order to coordinate construction, administration, and inspection activities.

a.	City of Addison-Construction Inspection	(214) 450-2847
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16. The Contractor shall dispose of waste pavement, concrete, pipe, unacceptable soil, etc. in an approved offsite landfill. This shall be subsidiary to the unit price of pipe installation.
17. Unpaved areas disturbed by construction are to be hydromulched or sodded, fertilized and watered per MOCOG specifications. No separate payment for seeding, sodding, fertilizing, watering and related work. All costs for this work are considered incidental and are to be included in the unit prices for installation of pipe.
18. All sprinkler systems and related components of sprinkler systems and fences, signs, etc. disturbed by construction are to be restored to existing condition. No separate payment for this work. All costs are considered incidental and are to be included in the unit prices for installation of pipe.
19. Contractor, at his own expense, shall be responsible for the repair of any facility damaged, and immediate notice shall be given to property owner and repaired within four hours.
20. Unless otherwise noted, all materials will conform to the "Standard Specifications for Public Works Construction for North Central Texas", (latest edition) and the Town of Addison.
21. In the event an item is not covered in the Specifications, the City Engineer's decision will apply.
22. Where sanitary sewer pressure pipe parallels water a minimum clearance of 2.0' vertical and 4.0' horizontal shall be maintained. Where sewer line crosses existing water line a minimum of 6' clearance shall be maintained with one joint of sewer pipe centered on water line.
23. Trench excavation for trenches 5 feet or more in depth shall be in accordance with all provisions of Part 1926, Subpart P - Excavations, Trenching and Shoring of the Occupational Safety and Health's Standards and Interpretations. It shall be the responsibility of the Contractor to conform to the above provisions.
24. The Contractor shall maintain continuous mail service to all residences in the construction area. Should it become necessary to remove existing mail boxes the Contractor shall erect temporary facilities and coordinate delivery with the Postmaster. Following construction, the Contractor shall permanently replace all mail boxes in accordance with U.S. Postal regulations.

Maintaining continuous mail service, establishment of temporary facilities, and permanent replacement of mail boxes after construction are subsidiary to the item being installed.
25. If temporary sanitary sewer by-pass is required, the Contractor shall coordinate with the City of Addison Department of Public Works five (5) working days prior to anticipated shut-down. Prior to installing the by-pass lines, the Contractor shall have on site all men, materials and equipment necessary to complete the by-pass without delays. The by-pass assemblies shall be fully assembled and ready for installation prior to shut-down of the existing system. Any required temporary by-passing shall be considered incidental and not a separate pay item.


26. Thrust blocking required at all bends unless otherwise indicated on plans and shall be included in unit price of pipe installation.
27. A minimum of 2.5' of cover shall be maintained unless otherwise shown on plans.
28. All force main pipe shall be white in color.
29. Terra-Tape required the length of force main installed one (1) foot above main. Tape to read "Sanitary Sewer".
30. Contractor shall maintain access to properties and shall repair driveways within forty-eight (48) hours of pavement removal. For all pavement replacement use Type I cement with appropriate ASTM C494 admixtures.
31. Contractor shall obtain Fire Department and Street Cutting Permits.

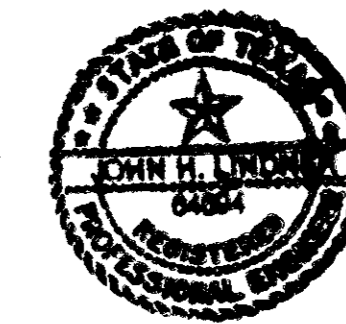
BENCH MARKS

- B.M. #1. CUT "I" ON FACE OF INLET ALONG WEST SIDE OF SURVEYOR BLVD. IN FRONT OF ADVANTAGE PRINTING AT 15107 SURVEYOR BLVD. ELEV. ~~609.56~~ 595.35 Δ
- B.M. #2. CUT "I" ON TOP OF CURB ALONG WEST SIDE OF MIDWAY RD. IN FRONT OF ILAMI FURNITURE AT 15203 MIDWAY RD. ELEV. ~~619.89~~ 618.90 Δ
- B.M. #3. CUT "I" ON TOP OF CURB AT NORTHWEST CORNER OF ADDISON RD. AND BROADWAY STREET. ELEV. ~~630.49~~ 631.67 Δ

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QUANTITY
1	8" PVC (DR-14) FORCE MAIN INCLUDING EXCAVATION, EMBEDMENT, BACKFILL AND THRUST BLOCKING	LF	7671
2	CAST IRON FITTINGS	TON	1.95
3	CONCRETE ENCASEMENT	LF	50
4	12" PVC (SDR-35) SANITARY SEWER	LF	151
5	18" STEEL CASING PIPE BY BORE	LF	469
6	6" D.I.P. FORCE MAIN	LF	16
7	SUBMERSIBLE SEWAGE LIFT STATION INCLUDING WET WELL, 2-500 GPM PUMPS, CONTROL PANELS, ELECTRICAL CONDUIT, WIRING, INTERNAL PIPING, HATCHES, RAILS, ETC.	LS	1
8	6" GATE VALVE WITH BOX	EA	2
9	6" CHECK VALVE	EA	2
10	2" AIR RELEASE VALVE AND MANHOLE	EA	4
11	REMOVE AND REPLACE CONCRETE PAVEMENT INCLUDING CURB AND STABILIZED SUBGRADE	SY	1102
12	REMOVE AND REPLACE ASPHALT PAVEMENT INCLUDING CURB AND STABILIZED SUBGRADE	SY	452
13	INSTALL 4-FOOT DIAMETER MANHOLE	EA	2
14	CONNECT TO EXISTING MANHOLE	EA	1
15	SAW CUTTING PAVEMENT	LF	3757
16	FURNISH, INSTALL AND IMPLEMENT TRENCH SAFETY SYSTEM	LF	7361
17	FURNISH TRENCH SAFETY DESIGN	LS	1

AS BUILT

10-13-92	CORRECT B.M. ELEVATIONS	J.D.W.	D.L.M.	J.H.L.
DATE	REVISION	MADE	BY	APPD.
 CARTER & BURGESS, INC. ENGINEERS • PLANNERS • SURVEYORS DALLAS TEXAS				
RAWHIDE CREEK LIFT STATION AND FORCE MAIN GENERAL NOTES				
TOWN OF ADDISON, TEXAS				
DESIGN	DRAWN	CHKD.	SCALE	DATE
McFALL	BARR HALEN	LINDNER		AUG. 92
FILE	NO.			
01-14-57	1 of 13			



John H. Lindner
8/17/92