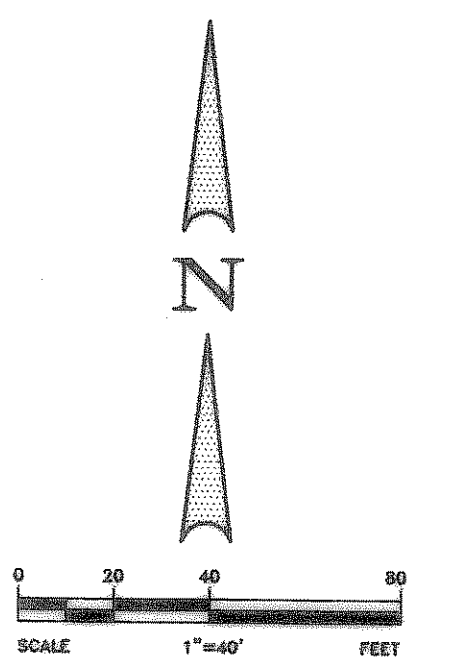


NOTE:  
OUTFALL STRUCTURE BE STAKED IN THE  
FIELD, THEN HAVE CITY ENGINEER  
APPROVED LOCATION.



- "NTMWD NOTES"
- A. NORTH TEXAS MUNICIPAL WATER DISTRICT (NTMWD) 30-INCH WATER TRANSMISSION PIPELINE IS LOCATED WITHIN LIMITS OF CONSTRUCTION.
  - B. OPERATION OF HEAVY EARTHMOVING EQUIPMENT, COMPACTION EQUIPMENT OR HEAVY CONSTRUCTION EQUIPMENT, SUCH AS CONCRETE TRUCKS, SHALL BE RESTRICTED TO SPECIFIC CROSSING POINTS ACROSS NTMWD EASEMENTS, AS APPROVED BY THE NTMWD. THE CROSSINGS SHALL BE DESIGNATED AND VERIFIED TO PROVIDE A MINIMUM OF FIVE-FOOT OF COVER.
  - C. TO ASSURE THAT PLACING OF SIGNIFICANT LOADS OVER THE NTMWD PIPELINE DOES NOT DAMAGE THE EXISTING PIPELINE, NO MATERIALS SHALL BE STOCKPILED ON THE NTMWD EASEMENT, WITHOUT AUTHORIZATION FROM THE NTMWD. IF THE CONTRACTOR DESIRES TO USE THE NTMWD'S EASEMENT FOR STOCKPILE OF MATERIALS, CONTACT NTMWD ENGINEERING AT (972) 442-5405 SO YOUR PLANS FOR USE OF NTMWD'S EASEMENT CAN BE REVIEWED.
  - D. A MINIMUM OF THREE FEET SEPARATION BETWEEN THE BOTTOM OF THE PAVEMENT AND TOP OF NTMWD PIPELINE IS REQUIRED. IN ADDITION, IF SEPARATION BETWEEN THE BOTTOM OF THE PAVEMENT AND THE TOP OF THE PIPELINE IS LESS THAN 3.5 FEET, A THICKENED PAVEMENT SECTION IS REQUIRED.
  - E. CROSSING OF THE NTMWD EASEMENT WITH OTHER UTILITIES, SUCH AS TV CABLE, PHONE, GAS AND ELECTRIC, SHALL BE COORDINATED WITH THE NTMWD TO AVOID DAMAGE TO THE NTMWD FACILITIES.
  - F. OUTDOOR LIGHTING, LANDSCAPING, SCREENING WALLS OR OTHER FACILITIES SHALL NOT BE INSTALLED IN NTMWD EASEMENTS WITHOUT WRITTEN APPROVAL OF THE NTMWD.
  - G. UNLESS OTHERWISE SHOWN OR REQUIRED A MINIMUM OF ONE-FOOT CLEARANCE SHALL BE PROVIDED FOR ALL UTILITIES CROSSING THE NTMWD PIPELINES.
  - H. "THE CONTRACTOR SHALL CONTACT NTMWD ENGINEERING AT (972) 442-5405 AT LEAST 48 HOURS PRIOR TO PERFORMING ANY WORK IN THE VICINITY OF THE NTMWD FACILITIES."

LEGEND

730	EXIST. CONTOURS
724	PROP. CONTOURS
S.S.	SANITARY SEWER
100	100-YR FLOW
TC	TOP OF CURB
FL	FLOW LINE
EW	END OF WALL
89.6	EXIST. SPOT ELEVATION
→	FLOW ARROW

RECORD DRAWING  
RECORD INFORMATION PROVIDED BY  
PRECISION MANAGEMENT, FORTNEY, TEXAS &  
RODMAN COMPANIES, FRISCO, TEXAS

STORM SEWER CURVE TABLE

CURVE	RADIUS	DELTA	TANGENT	LENGTH	CHORD	BEARING
CV-7	65.00'	59°08'54"	36.89'	67.10'	64.16'	N31°15'54"W
CV-8	65.00'	21°46'44"	12.50'	24.71'	24.58'	N09°11'55"E
CV-9	100.00'	21°15'50"	18.77'	37.11'	36.80'	N09°17'22"E
CV-10	65.00'	55°46'38"	34.40'	63.28'	60.81'	N26°42'46"E
CV-19	100.00'	08°44'10"	7.64'	15.25'	15.23'	N84°27'22"E

DATE	9/30/04	REVISION		APPROVAL	
NO.		DATE			
NO.		DATE			
NO.		DATE			

THESE CONSTRUCTION PLANS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF M.D. NAIM UDDIN KHAN, REGISTERED PROFESSIONAL ENGINEER NO. 87776

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY M.D. NAIM UDDIN KHAN, # 87776

M.B. JONES SURVEY, ABSTRACT NO. 122  
CITY OF ROCKWALL  
ROCKWALL COUNTY, TEXAS  
LUMBERMEN'S INVESTMENT CORPORATION  
5495 BELLINE ROAD #225  
DALLAS, TEXAS 75240

**PHASE 6A**  
Date: 9/10/03

Designed By: MS  
Drawn By: MS  
Checked By: NK  
Title: 146545ANSTLD/Rev:  
Project No.: 14654-01

**Winkelman & Associates, Inc.**  
CONSULTING CIVIL ENGINEERS & SURVEYORS  
6700 HALSETT ROAD, SUITE 100  
DALLAS, TEXAS 75230  
(972) 982-7000 FAX

**STORM SEWER PLAN (PHASE 6A)**

**SHEET 23A OF 57**