NOTE:
INSTALL PAVEMENT MARKERS TYPE II-A-A. AS PER DETAIL SHOWN ON THIS SHEET
1. AT THE CENTER OF FM 1141 FROM STA. 0+17.51 TO STA 29+59.09
2. ON THE STRIPES

PAVEMENT MARKER DETAIL
N.T.S.

DETAIL B

NTMWD NOTE-1
FRANCHISED UTILITIES ARE NOT PERMITTED IN NTMWD EASEMENT EXCEPT FOR CROSSINGS.

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

STATE OF TEXAS
MD. NAIM UDDIN KHAN
87776
LICENSED
PROFESSIONAL ENGINEER
1/6/06

NTMWD NOTE-2

A. NORTH TEXAS MUNICIPAL WATER DISTRICT (NTMWD) 30-INCH WATER TRANSMISSION PIPELINE IS LOCATED WITHIN LIMITS OF CONSTRUCTION.

B. OPERATION OF HEAVY EARTH MOVING 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-FEET 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.

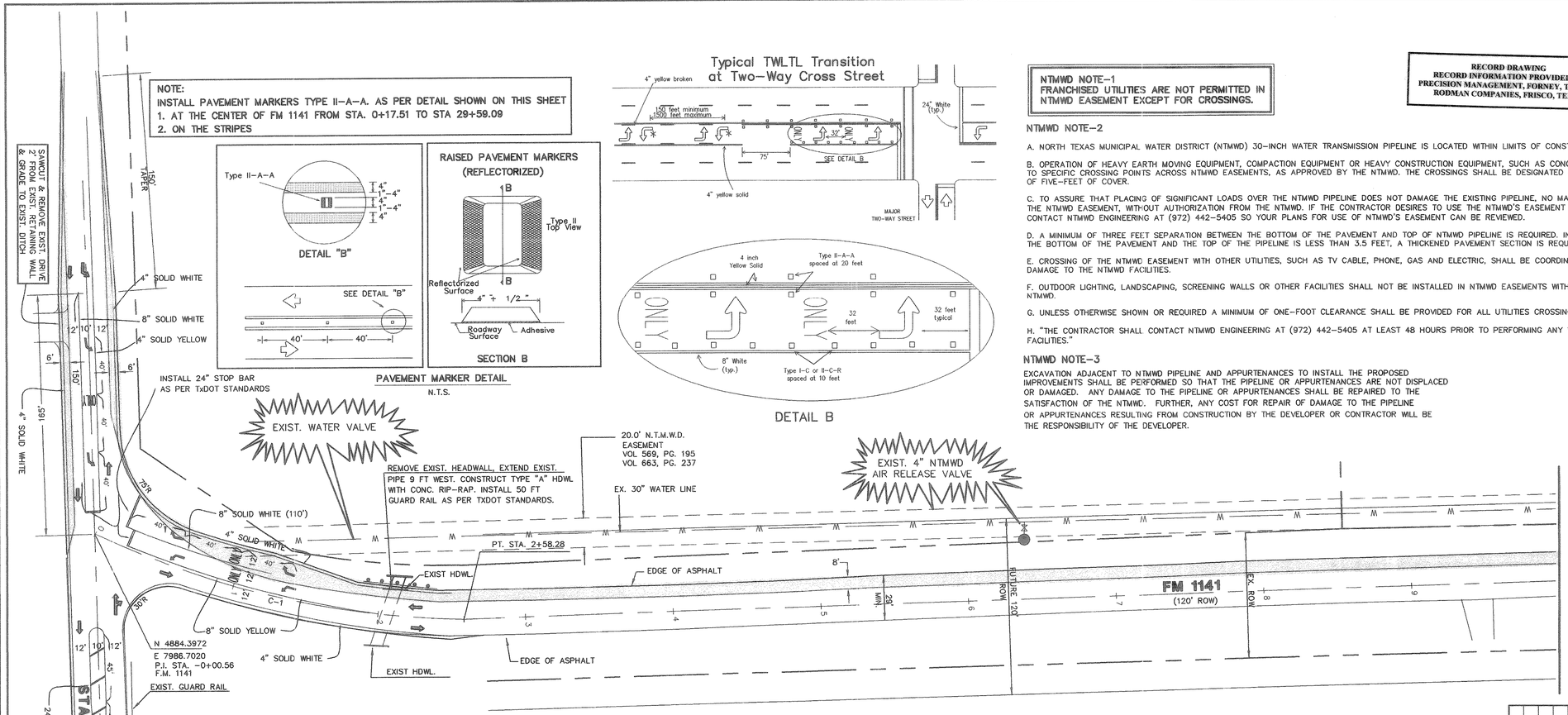
H. "THE CONTRACTOR SHALL CONTACT NTMWD ENGINEERING AT (972) 442-5405 AT LEAST 48 HOURS PRIOR TO PERFORMING ANY WORK IN THE VICINITY OF THE NTMWD FACILITIES."

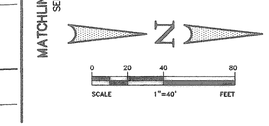
NTMWD NOTE-3

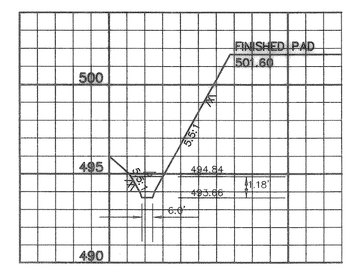
EXCAVATION ADJACENT TO NTMWD PIPELINE AND APPURTENANCES TO INSTALL THE PROPOSED IMPROVEMENTS SHALL BE PERFORMED SO THAT THE PIPELINE OR APPURTENANCES ARE NOT DISPLACED OR DAMAGED. ANY DAMAGE TO THE PIPELINE OR APPURTENANCES SHALL BE REPAIRED TO THE SATISFACTION OF THE NTMWD. FURTHER, ANY COST FOR REPAIR OF DAMAGE TO THE PIPELINE OR APPURTENANCES RESULTING FROM CONSTRUCTION BY THE DEVELOPER OR CONTRACTOR WILL BE THE RESPONSIBILITY OF THE DEVELOPER.

NTMWD NOTE-4

THE TRENCH WIDTH TO BE CUT SHALL BE LIMITED TO FOUR-FOOT VERTICAL WALLS, NO SLOPING BANK WITH THE APPROPIATE TRENCH SAFETY. THE ENTIRE EXCAVATION WITHIN TEN FEET EITHER SIDE OF CENTERLINE OF PIPELINE SHALL BE BACKFILLED WITH GRAVEL TO ONE-FOOT ABOVE TOP OF NTMWD PIPELINE. ONE-FOOT MINIMUM VERTICAL CLEARANCE IS REQUIRED BETWEEN NTMWD PIPELINE AND PROPOSED UTILITIES.







Q_{100} = 100.84 c.f.s.
n = 0.035
S = 3.60%
d = 1.18'
$V_{average}$ = 6.84 ft/sec

CURVE TABLE

CURVE	RADIUS	DELTA	TANGENT	LENGTH	CHORD	BEARING
C-1	595.85'	24°50'10"	131.20'	258.28'	256.27'	N13°18'22"E
C-2	528.44'	12°18'01"	56.94'	113.45'	113.23'	N01°12'47"W

BENCHMARK:
"X" CHISELED IN ℄ OF ALLEY EAST OF MORNINGSTAR DRIVE WITHIN 3RD LOT NORTH OF MIDNIGHT PASS.
ELEV. 513.26

BENCHMARK:
PK NAIL IN ℄ OF CARUTH LANE & ALLEY INTER-SECTION 150"± EAST OF MORNINGSTAR DRIVE.
ELEV. 491.68

NOTE;
MINIMUM 3:1 SLOPE MUST BE MAINTAINED ON ALL CHANNEL WORKS UNLESS GUARD RAILS ARE INSTALLED

NOTE:
ROCK BERM TO BE INSTALLED AS PER NTCOG DETAILS

NO.	DATE	REVISION	APPROV.
1	12/30/04	REMOVE RIGHT LANE	N.K.

Winkelmann & Associates, Inc.
CONSULTING CIVIL ENGINEERS ■ SURVEYORS
6750 HILLCREST PLAZA DRIVE, SUITE 100
DALLAS, TEXAS 75230
(972) 490-7090
(972) 490-7099 FAX

THESE CONSTRUCTION PLANS WERE PREPARED UNDER THE RESPONSIBLE SUPERVISION OF MD. NAIM UDDIN KHAN, REGISTERED PROFESSIONAL ENGINEER NO. 87776
4/2/05

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

M.B. JONES SURVEY, ABSTRACT NO. 122
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

LUMBERMEN'S INVESTMENT CORPORATION
5495 BELTLINE ROAD #225
DALLAS, TEXAS 75240

PAVING PLAN (PHASE 6A)
F.M. 1141 STA 0+00 TO 21+00

PHASE 6A
MATCHLINE STA. 21+00
SEE SHEET NO. 17

Scale : Ht 1"=40' Date : 3/3/05
Designed By : MS
Drawn By : MS
Checked By : NK
File 346546ANP13.dwg View :
Project No. : 14654.01