

UNDERGROUND UTILITIES

NOTE :
ACCES TO BE PROVIDED TO
ALL RESIDENTS ALONG FM 552
DURING CONSTRUCTION OF 15"
SANITARY SEWER

WARNING!!!!
EXIST. UNDERGROUND 6" WATER & TELEPHONE LINE
CONTRACTOR TO VERIFY LOCATION AND
DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

AS BUILT

To the best of our knowledge "Winkelmann and Associates, Inc." hereby states that this plan is "As-Built". The information is based on surveying conducted at the site and modification information provided by "the Contractor".

Md. Naeemuddin Khan 9/25/07

REMOVE & REPLACE
EXISTING CONCRETE DRIVE
INSTALL 28 LF OF 18" RCP
W/ HEADWALLS
MATCH EXISTING GRADE
SEE DRIVEWAY DETAIL

N 14400.87
E 8517.45
STA. 4+00 LINE "A"
CONST. STD 5' DIA M.H.
RIM ELEV. TO BE MATCHED
WITH EXIST. GRADE.

REMOVE & REPLACE
EXISTING GRAVEL DRIVE
INSTALL 28 LF OF 18" RCP
W/ HEADWALLS
MATCH EXISTING GRADE

REMOVE & REPLACE
EXISTING GRAVEL DRIVE
INSTALL 28 LF OF 18" RCP
W/ HEADWALLS
MATCH EXISTING GRADE

PER TXDOT STANDARDS
INSTALL 8" SANITARY SEWER
W/14" CASING PIPE BY DRY BORE
APPROX. 80 L.F.

REMOVE & REPLACE
EXISTING CONCRETE DRIVE
INSTALL 28 LF OF 18" RCP
W/ HEADWALLS
MATCH EXISTING GRADE
SEE DRIVEWAY DETAIL

REMOVE & REPLACE
EXISTING GRAVEL DRIVE
INSTALL 28 LF OF 18" RCP
W/ HEADWALLS
MATCH EXISTING GRADE

N 14393.74
E 9342.77
STA. 12+25.34 LINE "A"
CONST. STD 5' DIA M.H.
W/ 10 LF STUBOUT SOUTH
@ 0.23%
RIM ELEV. TO BE MATCHED
WITH EXIST. GRADE.
FI STUB= 533.90

INSTALL 15" SANITARY SEWER
W/20" CASING PIPE BY DRY BORE
APPROX. 80 L.F.

STA. 0+13.90 (37.50' RT)
PANHANDLE DRIVE =
STA 8+40.42 WLINE "A"
INSTALL:
1-16" X 8" x 16" TEE
1-16" BUTTERFLY VALVE
1-8" GATE VALVE

STA. 0+14.97 (28' LT)
PANHANDLE DRIVE =
STA 9+05.93 WLINE "A"
INSTALL:
1-16" X 12"x 16" TEE
3-16" BUTTERFLY VALVES

STA. 0+15.21 (42.50' LT)
PANHANDLE DRIVE
END & PLUG
16" WATER LINE

NOTE :
INSTALL 24" STEEL CASING TO EXTEND
5' PASS BACK OF CURB FOR 16" WATER LINE
AT FM 552 & SADDLE HORN CIRCLE &
PANHANDLE DRIVE INTERSECTIONS.

EXIST. UNDERGROUND UTILITIES CONTRACTOR
TO VERIFY LOCATION AND DEPTH OF
EXISTING UTILITIES PRIOR TO CONSTRUCTION.

STA. 1+94.41 (2.50' RT)
SADDLE HORN Cl.=
STA. 2+05 LINE "1"
CONST. STD 4' DIA M.H.
RIM= 555.41

DETAIL FOR MANHOLES LOCATED ON FM 552
(TXDOT RIGHT OF WAY)

BENCHMARK 1 USGS Monument-stamped Boren 1986
 Located approximately 1.25 miles east of Rockwall at the Rockwall
 Municipal Airport, in the north end of a circular grass area at the
 end of a taxiway.
 ELEVATION = 574.77

BENCHMARK 2 USGS Monument-5" cap stamped N 1495/1986
 Located 24.6 feet west of the center of a paved road leading to
 the Rockwall Municipal Airport, 16.4 feet south of a utility pole with
 a 5' high light pole, 2 feet west of the north leg of a sign.
 Access to datum point is through a 5 inch logo cap.
 ELEVATION = 561.44

CONCRETE DRIVEWAY CONNECTION TO FM 552

LOT SERVICES DETAIL
N.T.S.

SANITARY SEWER CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	BEARING
SSC55	106.10	200.00	30°23'44"	54.33	104.86	N15°41'35"W

NO	DATE	REVISION	APPROV

**Winkemann
& Associates, Inc.**

CONSULTING CIVIL ENGINEERS ■ SURVEYORS

750 HILLCREST PLAZA DRIVE, SUITE 100
DALLAS, TEXAS 75230

(972) 490-7090
(972) 490-7099 FAX

STATE OF TEXAS
PROFESSIONAL ENGINEER
87776
MD. NAIM UDDIN KHAN

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

JOHN M. GLASS SURVEY ABSTRACT No. 88
CITY OF ROCKWALL

ROCKWALL COUNTY, TEXAS
D R HORTON
1306 MILLER ROAD, SUITE A
ROWLETT, TEXAS 75088
214-607-4244

WATER & SANITARY SEWER PLAN

Scale : 1" = 60'	Date : 08/23/06
Designed By : IT	
Drawn By : IT	
Checked By : NK	
File : 40709WS.DWG	View : WS4
Project No. : 40709.00	

SHEET
34A
OF
45