Exhibit I1

COUNTY & STATE: TARRANT COUNTY, TEXAS

OWNERSHIP & R/W NO.

0+00 – 5+92: TX-TARR-LOWS-001.00, TX-TARR-LOWS-002.00, TX-TARR-LOWS-003.00 — FORT WORTH LAND, L.L.C.

5+92 – 6+95: TX-TARR-LOWS-004.00 — ARMSTRONG SERVICES, INC.

6+95 – 8+49: TX-TARR-LOWS-004.00.01 — TARRANT REGIONAL WATER DISTRICT

8+49 – 9+36: TX-TARR-LOWS-005.00 — TARRANT REGIONAL WATER DISTRICT

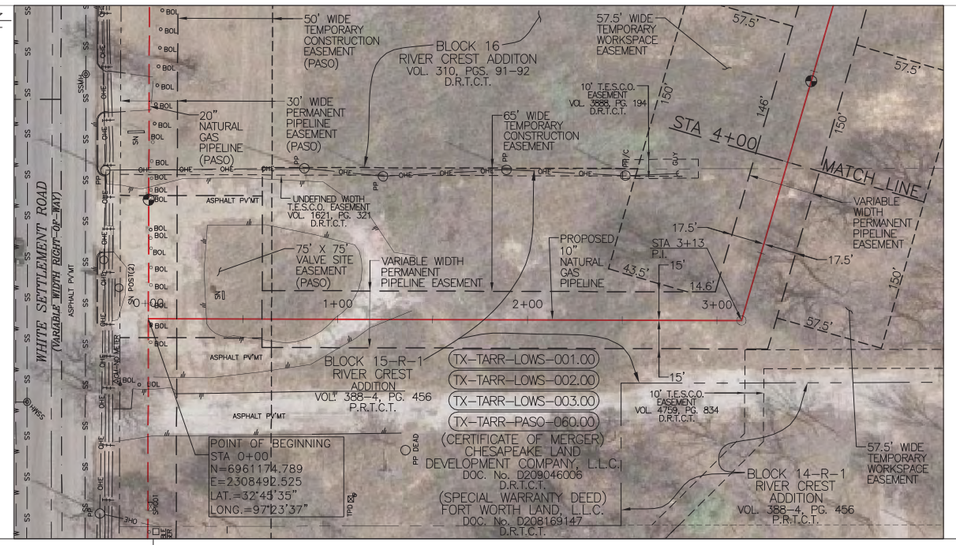
9+36 – 10+00: TX-TARR-LOWS-006.00 — T.C.W.C. & I.D. No. 1

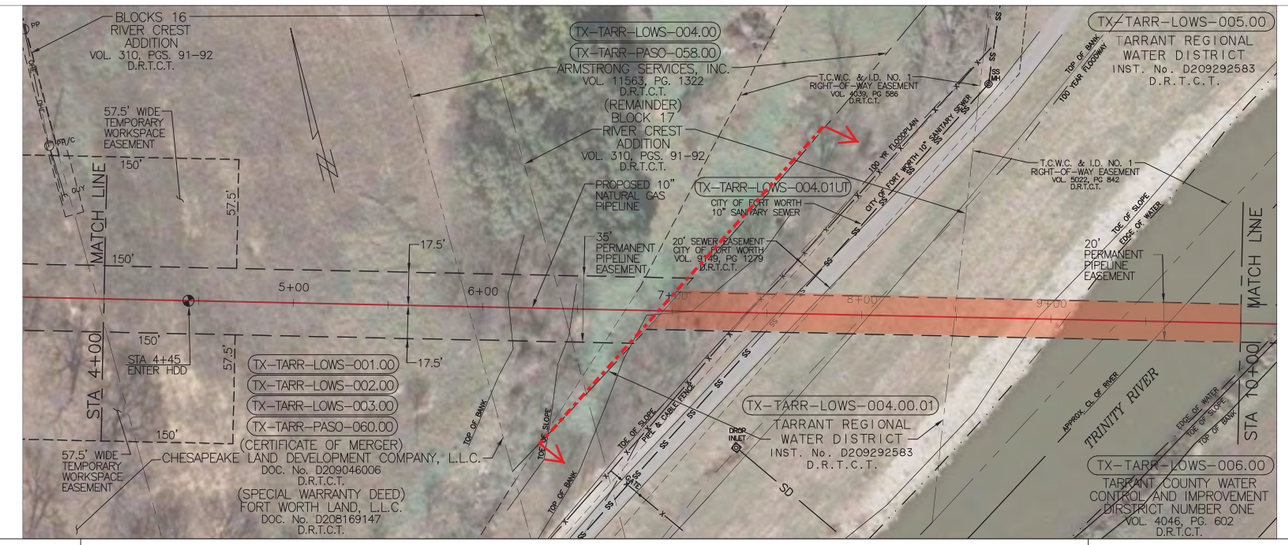
STATIONING & TRAVERSE ANGLES

- 0+00 CONNECT TO 20" NATURAL GAS PIPELINE
- 0+01 BEGIN LINE OF BOLLARDS 39' RT.
- 0+31 EDGE OF GRAVEL DRIVE
- 0+39 SIGN 10' LT.
- 0+60 EXIT VALVE SITE EASEMENT
- 0+65 TEMPORARY EASEMENT
- 0+98 EDGE OF GRAVEL DRIVE
- 1+28 EDGE OF GRAVEL DRIVE
- 3+13 BEND, 73°56'55" LT.
- 3+96 PLATTED BLOCK LINE
- 4+45 HDD ENTRY
- 4+68 HDD TIE IN POINT
- 5+92 PROPERTY LINE
- 6+14 TOP OF BANK
- 6+42 PLATTED BLOCK LINE
- 6+48 TOE OF SLOPE
- 6+75 T.C.W.C. & I.D. NO.1 EASEMENT
- 6+95 PROPERTY LINE
- 7+10 TOP OF BANK
- 7+39 100 YEAR FLOODPLAIN
- 7+39 TOE OF SLOPE
- 7+40 OPEN & CABLE FENCE
- 7+45 CITY OF FORT WORTH SEWER EASEMENT
- 7+55 EDGE OF GRAVEL ROAD
- 7+58 CITY OF FORT WORTH 10" SANITARY SEWER (FL=546.0)
- 7+70 EDGE OF GRAVEL ROAD
- 7+72 CITY OF FORT WORTH SEWER EASEMENT
- 8+01 100 YEAR FLOODWAY
- 8+04 TOP OF BANK
- 8+49 PROPERTY LINE
- 8+93 TOE OF SLOPE
- 9+07 EDGE OF WATER
- 9+36 PROPERTY LINE
- 9+63 APPROXIMATE C/L OF TRINITY RIVER
- 10+00 MATCH LINE

- Bore Area
- Open Cut Area
- Workspace Area

ALIGNMENT



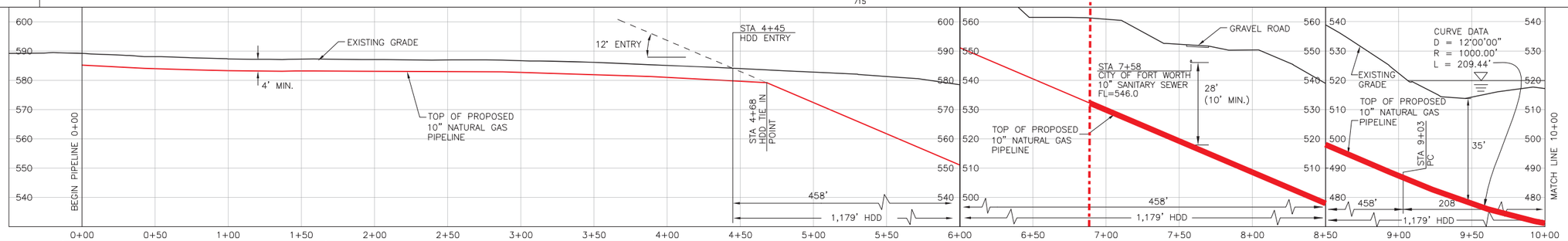


PIPE DETAIL

	①	③
Length	468'	532'
ACTUAL CLASS LOCATION		
HYDROSTATIC TEST PRESSURE (P.S.I.G.)	1125	
M.A.O.P. (P.S.I.G.)	715	

PROFILE

HORIZONTAL SCALE = 40'
VERTICAL SCALE = 20'



GENERAL INFORMATION

CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

BEARINGS SHOWN HEREON ARE CORRELATED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, NORTH CENTRAL ZONE, 4202, NAD OF 1983, AS DERIVED BY FIELD OBSERVATIONS UTILIZING THE RTK NETWORK ADMINISTRATED BY WESTERN DATA SYSTEMS.

VERTICAL DATUM IS BASED ON THE NAVD OF 1988, AS DERIVED BY FIELD OBSERVATIONS UTILIZING THE RTK NETWORK ADMINISTRATED BY WESTERN DATA SYSTEMS.

TITLE INFORMATION PROVIDED BY TEXAS MIDSTREAM GAS SERVICES, L.L.C.

40 0 40 80 — HORIZ. SCALE IN FEET

20 0 20 40 — VERT. SCALE IN FEET

LEGEND

SIGN	PROPOSED PIPELINE
POWER POLE	℄ ROAD
GUY ANCHOR	℄ CREEK/DITCH
FIRE HYDRANT	PROPERTY/R.O.W. LINE
SEWER MANHOLE	TEMPORARY EASEMENT/WS
DRAINAGE MANHOLE	PERMANENT EASEMENT
WATER METER	EASEMENT
GAS METER	FIBER OPTIC
GAS VALVE	UNDERGROUND ELECTRIC
BORE/HDD ENTRY/EXIT	OVERHEAD ELECTRIC
WATER VALVE	GAS LINE
GAS LIGHT	TELEPHONE LINE
LIGHT POLE	STORM SEWER LINE
TEST LEAD	SANITARY SEWER LINE
	WATER LINE
	FENCE LINE
	WELL

EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS GENERATED FROM PREVIOUS MAPS AND SURVEYS. CONTRACTOR SHALL VERIFY EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES IN AREA OF WORK PRIOR TO CONSTRUCTION. DEPICTED LOCATION MAY VARY SIGNIFICANTLY FROM ACTUAL LOCATION. CALL TEXAS ONE CALL SYSTEM AT 1-800-245-4545 AND ALL OTHER UTILITY COMPANIES AT LEAST 2 WORKING DAYS (48 HOURS) PRIOR TO CONSTRUCTION.

1-800-245-4545
WWW.TEXASONECALL.COM
TEXAS ONE CALL SYSTEM

IFA
(ISSUED FOR APPROVAL)

DATE: NOVEMBER 3, 2010

SUMMARY OF MATERIALS

	DESCRIPTION	
1	10.750" O.D. X 0.365" W.T. API-5L-X52, 12-14 MILS FBE	468'
2	10.750" O.D. X 0.365" W.T. API-5L-X52, 12-14 MILS FBE, W/16-18 MILS ARO	0'
3	10.750" O.D. X 0.500" W.T. API-5L-X52, 12-14 MILS FBE, W/16-18 MILS ARO	532'

REFERENCE DRAWINGS

REVISION

NO.	DATE	DESCRIPTION	BY	CH'KD.	PROJ. ENGR.	ENG. APPR.
7	11/26	REV. OWNERSHIP INFO TO REFLECT NEW OWNER	JPR	TVW		
6	11/02	REVISED HDD PER ENGINEERING COMMENTS	DCC	TAH		
5	10/19	REVISED PER CITY COMMENTS	RDC	TAH		
4	9/13	REVISED EASEMENT WIDTH	DCC	TAH		
3	8/31	REVISED HDD PROFILE AND PIPE QUANTITIES	JPR	TVW		
2	8/16	REVISED VALVE SITE EASEMENT	JPR	TAH		
1	6/15	REVISED ALIGNMENT & EASEMENT WIDTH	JPR	TAH		

texas MIDSTREAM GAS SERVICES

White Settlement Levee (Lowe South)
(Sheet 1 of 2)

LOWE SOUTH
PROPOSED 10" NATURAL GAS PIPELINE
CITY OF FORT WORTH, TARRANT COUNTY, TEXAS

DATE:	11-26-2010	AFE No.	910470
SCALE:	AS SHOWN	SEGMENT ID:	569005
DRAWN BY:	DCC	PROJ. ENGR.	
CHECKED:	TAH	ENG. APPROVAL	

DWG. FILE. TX-TARR-LOWS-ALIGN1-Rev7

12:49 WA# 09074.01 TX-TARR-LOWS-ALIGN1-REV7.dwg

Exhibit I2

COUNTY & STATE	TARRANT COUNTY, TEXAS

OWNERSHIP & R/W NO.

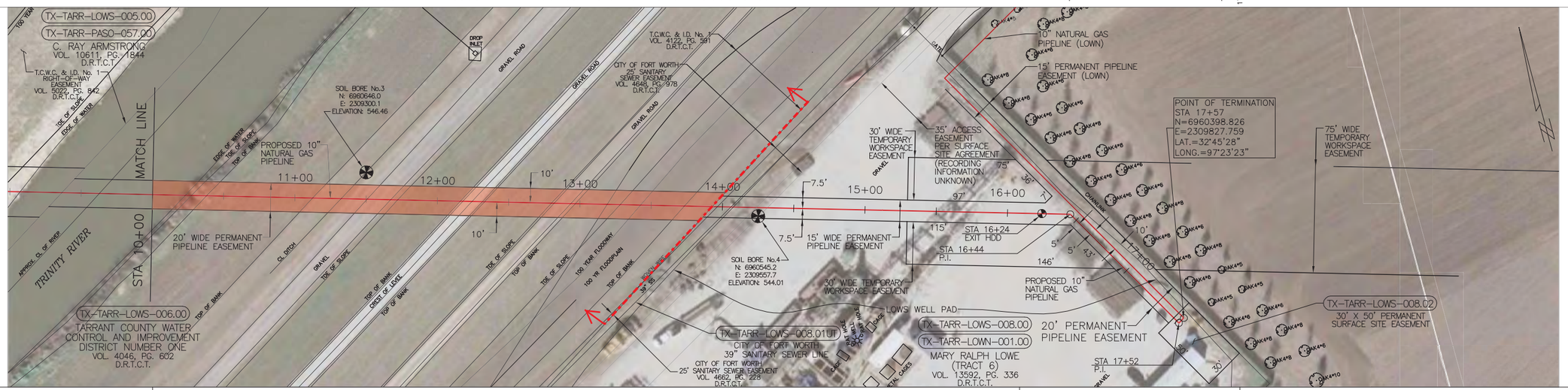
10+00 — TX–TARR–LOWS–006.00 T.C.W.C. & I.D. NO.1 — 13+93 — TX–TARR–LOWS–008.00 MARY RALPH LOWE — 17+57

STATIONING & TRAVERSE ANGLES

10+00 MATCH LINE
10+22 EDGE OF WATER
10+28 TOE OF SLOPE
10+38 TOP OF BANK
11+12 TOP OF BANK
11+33 C/L OF DITCH
11+50 SOIL BORE No. 3 19' LT.
11+51 EDGE GRAVEL ROAD
11+67 EDGE GRAVEL ROAD
11+72 TOE OF SLOPE
12+18 TOP OF BANK
12+18 EDGE GRAVEL ROAD
12+24 CREST OF LEVEE
12+33 EDGE GRAVEL ROAD
12+33 TOP OF BANK
12+80 TOE OF SLOPE
12+82 EDGE GRAVEL ROAD
12+94 EDGE GRAVEL ROAD
12+97 TOP OF BANK
13+19 PROPERTY LINE
13+28 TOE OF SLOPE
13+43 100 YEAR FLOODWAY
13+61 100 YEAR FLOODPLAIN
13+73 TOP OF BANK
13+93 PROPERTY LINE
13+96 WOVEN WIRE FENCE
13+97 SANITARY SEWER EASEMENT
14+08 TOP OF SANITARY SEWER, FL=532.6
14+08 ENTER GRAVEL PAD
14+25 SOIL BORE No. 4 5' RT.
14+31 SANITARY SEWER EASEMENT
16+08 HDD TIE IN POINT
16+24 HDD EXIT
16+44 P.I. < 43°49'20" RT.
17+52 P.I. < 90°00'00" LT.
17+57 END PIPELINE

- Bore Area
- Open Cut Area
- Workspace Area

ALIGNMENT



PIPE DETAIL

10+00 — ③ 608' — 16+08 — ① 149' — 17+57

ACTUAL CLASS LOCATION	
HYDROSTATIC TEST PRESSURE (P.S.I.G.)	1125
M.A.O.P. (P.S.I.G.)	715

PROFILE

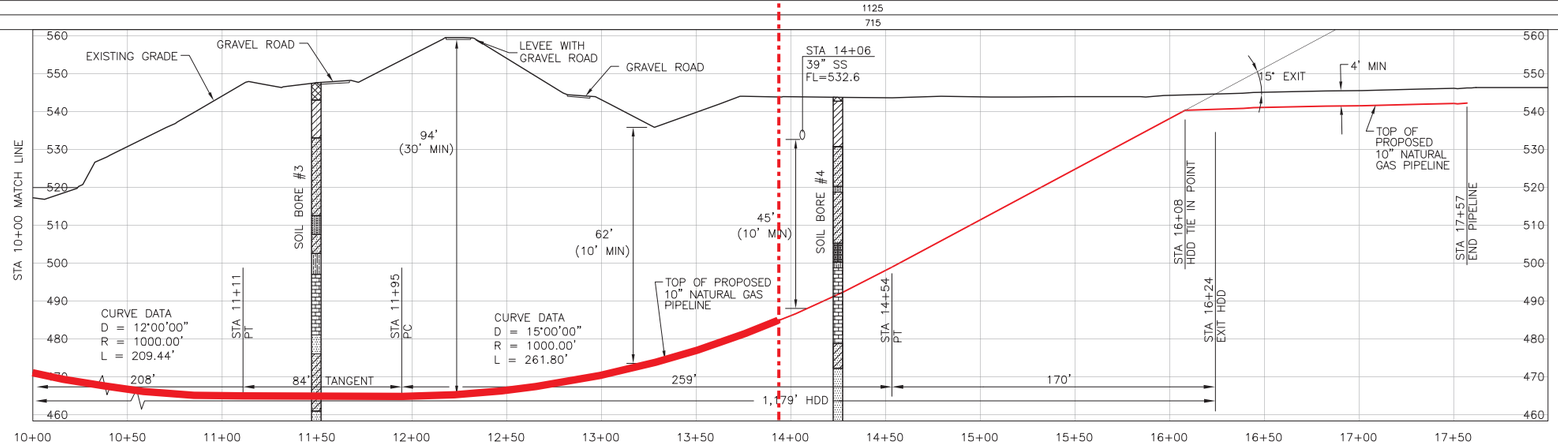
HORIZONTAL SCALE = 40'
VERTICAL SCALE = 20'

SOIL BORE LEGEND

COMMON UNIFIED SOIL CLASSIFICATION SYSTEM GROUPS
- SANDY LEAN CLAY (CL)
- LEAN CLAY (CL)
- CLAYEY SAND (SC)
- POORLY GRADED SAND WITH SILT (SP–SM)
- SILTY SAND (SM)

MISCELLANEOUS MATERIALS
- FILL

SEDIMENTARY ROCKS
- LIMESTONE
- SANDSTONE
- MUDSTONE



GENERAL INFORMATION

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BEARINGS SHOWN HEREON ARE CORRELATED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, NORTH CENTRAL ZONE, 4202, NAD OF 1983, AS DERIVED BY FIELD OBSERVATIONS UTILIZING THE RTK NETWORK ADMINISTRATED BY WESTERN DATA SYSTEMS.

VERTICAL DATUM IS BASED ON THE NAVD OF 1988, AS DERIVED BY FIELD OBSERVATIONS UTILIZING THE RTK NETWORK ADMINISTRATED BY WESTERN DATA SYSTEMS.

TITLE INFORMATION PROVIDED BY TEXAS MIDSTREAM GAS SERVICES, L.L.C.

40 0 40 80
HORIZ. SCALE IN FEET

20 0 20 40
VERT. SCALE IN FEET

LEGEND

- SIGN
- POWER POLE
- GUY ANCHOR
- FIRE HYDRANT
- SEWER MANHOLE
- DRAINAGE MANHOLE
- WATER METER
- GAS METER
- GAS VALVE
- BORE/HDD ENTRY/EXIT
- WATER VALVE
- GAS LIGHT
- LIGHT POLE
- TEST LEAD
- PROPOSED PIPELINE
- ℄ ROAD
- ℄ CREEK/DITCH
- PROPERTY/R.O.W. LINE
- TEMPORARY EASEMENT/WS
- PERMANENT EASEMENT
- EASEMENT
- FIBER OPTIC
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- GAS LINE
- TELEPHONE LINE
- STORM SEWER LINE
- SANITARY SEWER LINE
- WATER LINE
- FENCE LINE
- WELL

EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS GENERATED FROM PREVIOUS MAPS AND SURVEYS. CONTRACTOR SHALL VERIFY EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES IN AREA OF WORK PRIOR TO CONSTRUCTION. DEPICTED LOCATION MAY VARY SIGNIFICANTLY FROM ACTUAL LOCATION. CALL TEXAS ONE CALL SYSTEM AT 1-800-245-4545 AND ALL OTHER UTILITY COMPANIES AT LEAST 2 WORKING DAYS (48 HOURS) PRIOR TO CONSTRUCTION.

1-800-245-4545
WWW.TEXASONECALL.COM
TEXAS ONE CALL SYSTEM

IFA
(ISSUED FOR APPROVAL)

DATE: NOVEMBER 12, 2010

SUMMARY OF MATERIALS

	DESCRIPTION	
1	10.750" O.D. X 0.365" W.T. API–5L–X52, 12–14 MILS FBE	149'
2	10.750" O.D. X 0.365" W.T. API–5L–X52, 12–14 MILS FBE, W/16–18 MILS ARO	0'
3	10.750" O.D. X 0.500" W.T. API–5L–X52, 12–14 MILS FBE, W/16–18 MILS ARO	608'

REFERENCE DRAWINGS

REVISION

NO.	DATE	DESCRIPTION	BY	CH'KD.	PROJ. ENGR.	ENG. APPR.
7	11/11	ADDED SOIL BORE LOGS TO PROFILE	TVW	TVW		
6	11/02	REVISED HDD PER ENGINEERING COMMENTS	DCC	TAH		
5	10/19	REVISED PER CITY COMMENTS	RDC	TAH		
4	9/13	REVISED EASEMENT WIDTH	DCC	TAH		
3	8/31	REVISED HDD PROFILE & PIPE QUANTITIES	JPR	TVW		
2	8/16	REVISED HORIZONTAL ALIGNMENT	JPR	TAH		
1	6/15	REVISED ALIGNMENT & EASEMENT WIDTH	JPR	TAH		

texas MIDSTREAM GAS SERVICES

White Settlement Levee (Lowe South)
(Sheet 2 of 2)

LOWE SOUTH
PROPOSED 10" NATURAL GAS PIPELINE
CITY OF FORT WORTH, TARRANT COUNTY, TEXAS

DATE:	11–12–2010	AFE No.	910470
SCALE:	AS SHOWN	SEGMENT ID:	569005
DRAWN BY:	CLM	PROJ. ENGR.	
CHECKED:	TAH	ENG. APPROVAL	

DWG. FILE. TX–TARR–LOWS–ALIGN2–Rev7

14:06 WA# 09074.01 TX–TARR–LOWS–ALIGN2–REV7.dwg

M-210 Trinity River Crossing and Forest Park Alignment

Exhibit J

Draft Document
Not for Construction
For Review Purposes Only

N
N.T.S.

Riverfront Dr.
Holtzer Dr.
S. University Dr.
Rogers Ave.
CLEAR FORK TRINITY RIVER
FOREST PARK
FEDERAL JURISDICTION

Existing Phone/Fiber
Buried Electric Lines
JB 1
SB 1
BORE No. 1 EXIT
PROP. 42" SS
PROP. 20' SS PERMANENT EASEMENT
PROP. 16" HDPE SS
PROP. 30" HDPE SS
PROP. 30' SS PERMANENT EASEMENT
BORE No. 1 ENTRY
PROP. 30' SS CONSTRUCTION WORK ZONE EASEMENT (FENCED)
PROP. 30' SS WORK ZONE EASEMENT (FENCED)
SB 2
PROP. 20' SS CONSTRUCTION WORK ZONE (FENCED)
T.R.W.D. BUILDING EASEMENT
PROP. 20' SS WORK ZONE EASEMENT (FENCED)
JB 2
PROP. 100' X 100' CONTRACTOR STAGING & MATERIAL STORAGE AREA (FENCED)
PROP. 42" SS
PROP. 20' SS CONSTRUCTION WORK ZONE EASEMENT (FENCED)
PROP. 42" SS
STORM CONFLICT BOX
PROP. CONSTRUCTION WORK ZONE EASEMENT (FENCED)
REMAINDER OF 17.64 ACRES (BY DEED) CITY OF FORT WORTH VOLUME 923, PAGE 606 D.R.T.C.T.
TARRANT COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT No. 1 PERPETUAL EASEMENT (7.11 Ac BY DEED) VOLUME 4530, PAGE 725 D.R.T.C.T.

Legend

- Proposed Open Cut Alignment
- Proposed Bore (OTOC) Alignment
- Temporary Work Zone
- Designated Equipment Storage Area
- Tree Root Zone
- Existing Electric Lines
- Federal Property Line
- Existing Sanitary Sewer
- Existing Storm Sewer
- Proposed Construction Work Zones
- Existng Easements
- Property Lot Lines

FORT WORTH WATER

Exhibit K

0
40
80
SCALE IN FEET
CLEAR FORK TRINITY RIVER
TEMPORARY CONSTRUCTION LIMITS
PROP. 2 - 8'X7' BOXES
EXIST. 2 - 8'X7' BOXES
FORT WORTH FEDERAL FLOODWAY PROJECT LIMIT
FORT WORTH FEDERAL FLOODWAY PROJECT LIMIT
PARKVIEW DRIVE
FORT WORTH
PROPOSED
PARKVIEW DRIVE
STORM DRAIN OUTFALL
URS
TEXAS FIRM REG. No. 3162
1300 Summit Ave., Suite 600
Fort Worth, Texas 76102
(817) 390-1000
(817) 882-9462 Fax
FEBRUARY 21, 2011
EXHIBIT 1

Exhibit L

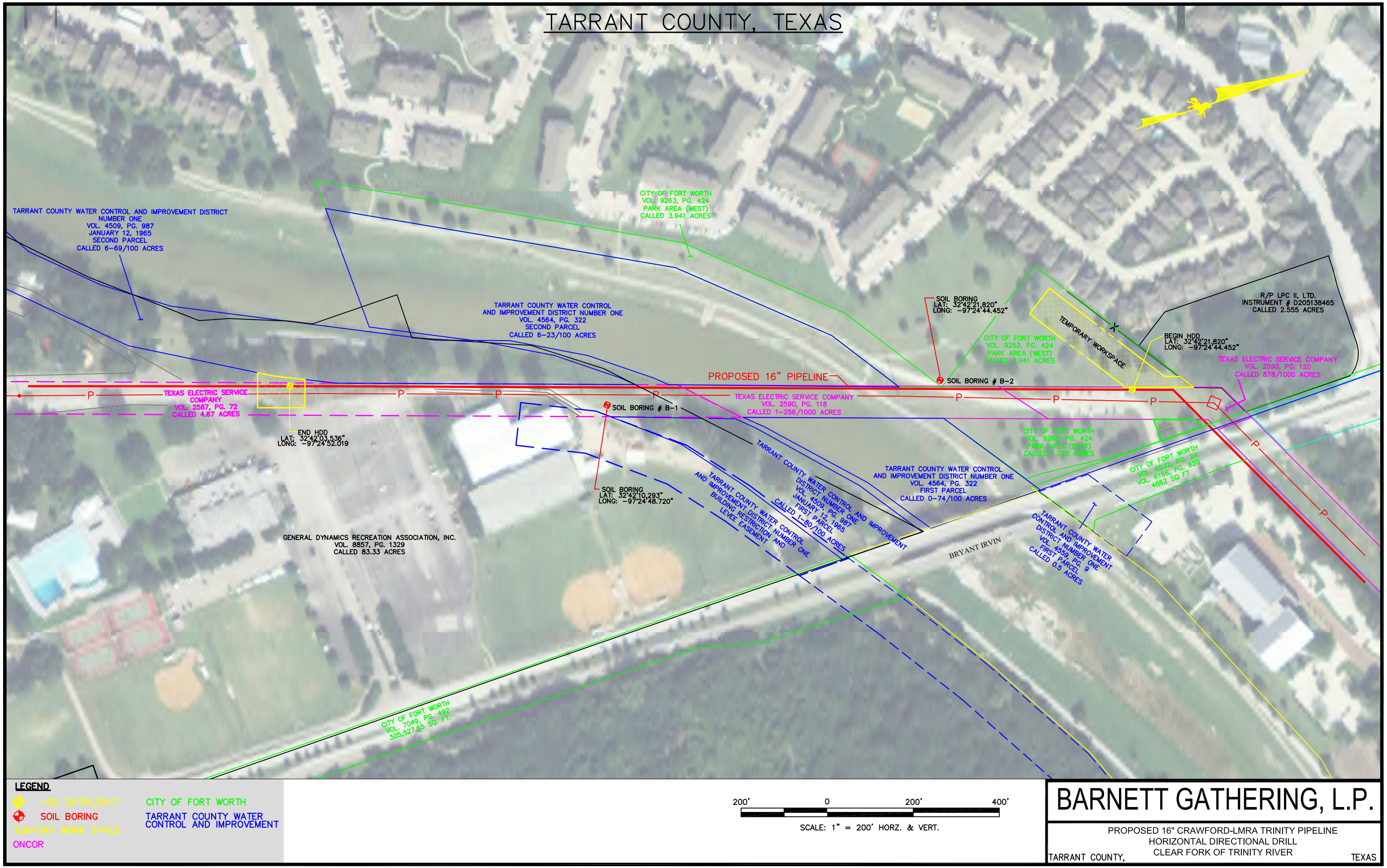

TARRANT COUNTY, TEXAS
TARRANT COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT NUMBER ONE
VOL. 4509, PG. 987
JANUARY 12, 1965
SECOND PARCEL
CALLED 6-69/100 ACRES
CITY OF FORT WORTH
VOL. 9263, PG. 424
PARK AREA (WEST)
CALLED 3.941 ACRES
TARRANT COUNTY WATER CONTROL
AND IMPROVEMENT DISTRICT NUMBER ONE
VOL. 4564, PG. 322
SECOND PARCEL
CALLED 6-23/100 ACRES
SOIL BORING
LAT: 32°42'21.820"
LONG: -97°24'44.452"
TEMPORARY WORKSPACE
CITY OF FORT WORTH
VOL. 9263, PG. 424
PARK AREA (WEST)
CALLED 3.941 ACRES
R/P LPC II, LTD.
INSTRUMENT # D205138465
CALLED 2.555 ACRES
BEGIN HDD
LAT: 32°42'21.820"
LONG: -97°24'44.452"
TEXAS ELECTRIC SERVICE COMPANY
VOL. 2590, PG. 120
CALLED 878/1000 ACRES
PROPOSED 16" PIPELINE
SOIL BORING # B-2
TEXAS ELECTRIC SERVICE COMPANY
VOL. 2587, PG. 72
CALLED 4.67 ACRES
TEXAS ELECTRIC SERVICE COMPANY
VOL. 2590, PG. 118
CALLED 1-256/1000 ACRES
SOIL BORING # B-1
END HDD
LAT: 32°42'03.536"
LONG: -97°24'52.019
CITY OF FORT WORTH
VOL. 9263, PG. 424
PARK AREA (EAST)
CALLED 1.078 ACRES
TARRANT COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT NUMBER ONE
VOL. 4509, PG. 987
JANUARY 12, 1965
FIRST PARCEL
CALLED 1-80/100 ACRES
TARRANT COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT NUMBER ONE
VOL. 4564, PG. 322
FIRST PARCEL
CALLED 0-74/100 ACRES
CITY OF FORT WORTH
VOL. 6032, PG. 74
VOL. 6166, PG. 620
4862 SQ FT
SOIL BORING
LAT: 32°42'10.293"
LONG: -97°24'48.720"
TARRANT COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT NUMBER ONE
BUILDING RESTRICTION AND LEVEE EASEMENT
TARRANT COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT NUMBER ONE
VOL. 4559, PG. 9
FIRST PARCEL
CALLED 0.5 ACRES
BRYANT IRVIN
GENERAL DYNAMICS RECREATION ASSOCIATION, INC.
VOL. 8857, PG. 1329
CALLED 83.33 ACRES
CITY OF FORT WORTH
VOL. 7049, PG. 492
305,527.66 SQ. FT.
LEGEND
HDD ENTRY/EXIT
SOIL BORING
TEMPORY WORK SPACE
ONCOR
CITY OF FORT WORTH
TARRANT COUNTY WATER CONTROL AND IMPROVEMENT
200' 0 200' 400'
SCALE: 1" = 200' HORZ. & VERT.
BARNETT GATHERING, L.P.
PROPOSED 16" CRAWFORD-LMRA TRINITY PIPELINE
HORIZONTAL DIRECTIONAL DRILL
CLEAR FORK OF TRINITY RIVER
TARRANT COUNTY, TEXAS

Exhibit M

SPECIAL CIRCUITS

6203 FORWARDED

PERMIT REQUIRED

NORTH ARROW

OPERATING RANGE OF JOB STEPS

TASK ____ TO ____

MFRC

TRANSMISSION ZONE

RZ CZ TAPER CODE

CAUTION HIGH VOLTAGE

KV AERIAL BURIED

HIGHWAY PERMIT NO.

Utility CO
REP NAME
REP TEL NO.
POLE CONTACTS (+) (–)

Utility CO
REP NAME
REP TEL NO.
POLE CONTACTS (+) (–)

Utility CO
REP NAME
REP TEL NO.
POLE CONTACTS (+) (–)

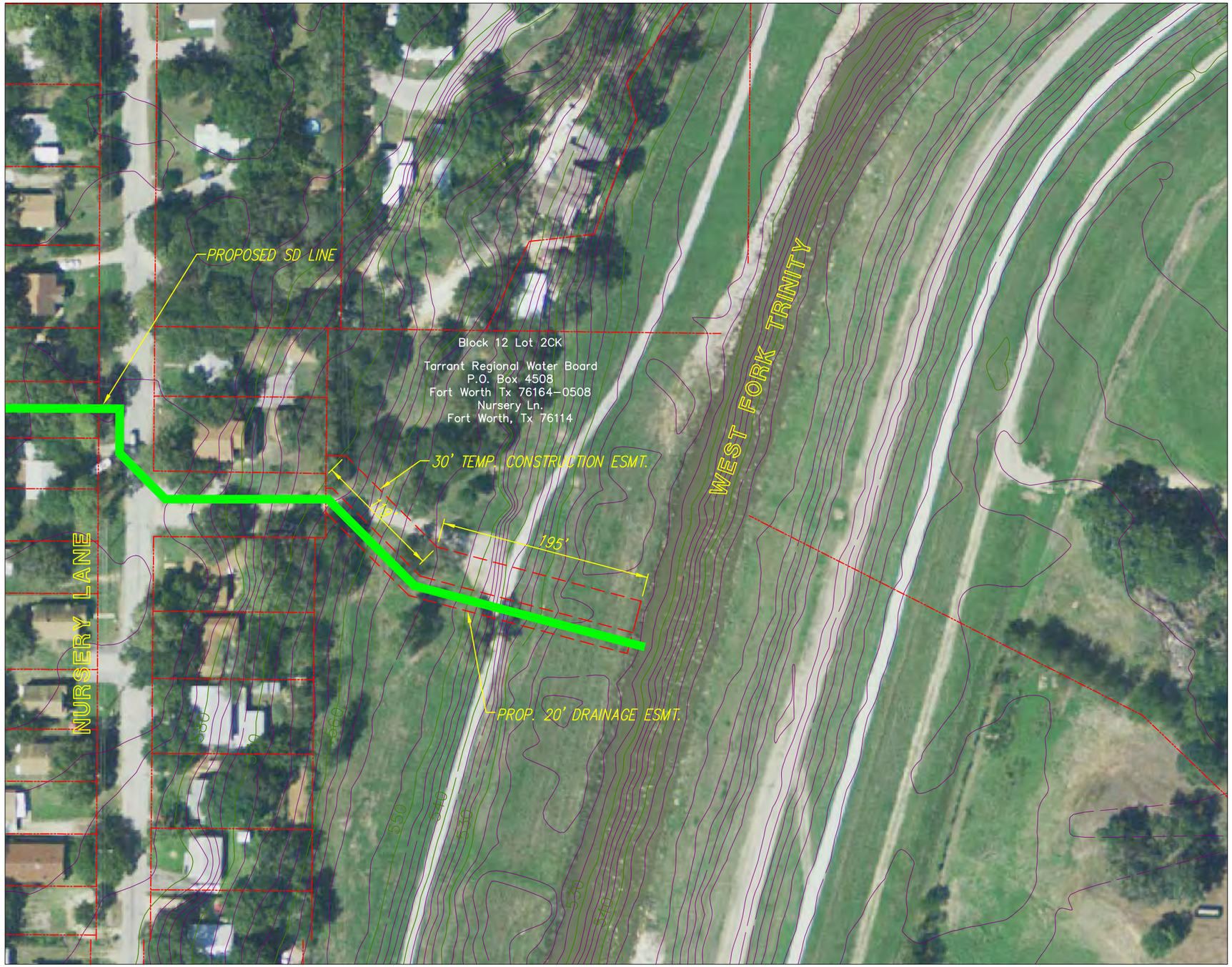
PROJECT NO 7646069

AERIAL ROUTE LAYOUT
NPA/NNX: 817–332 PRT:
EXCH. EDISON
TAX DIST.
GEO LOC.
ENGR. JOE CALVA DRAWN
TELEPHONE NO. (817)338–5499
REC. REF.
MAP REF. MAPSCO 76–C,G,F
SCALE NTS
ISSUE DATE
PROJ TITLE 2501 PARKVIEW 7646069
REV. NUMBER
DATE REV.

0 355 710

--Proprietary--
Not for use or disclosure outside the AT&T companies except under written agreement.

Exhibit N



N

GRAPHIC SCALE

100 0 25 50 100

SCOTT SUNSET DRAINAGE IMPROVEMENTS

NO.	REVISION	BY	DATE

FORT WORTH

SCALE
HORIZ 1"=100'
VERT N/A
DATE FEB 2011

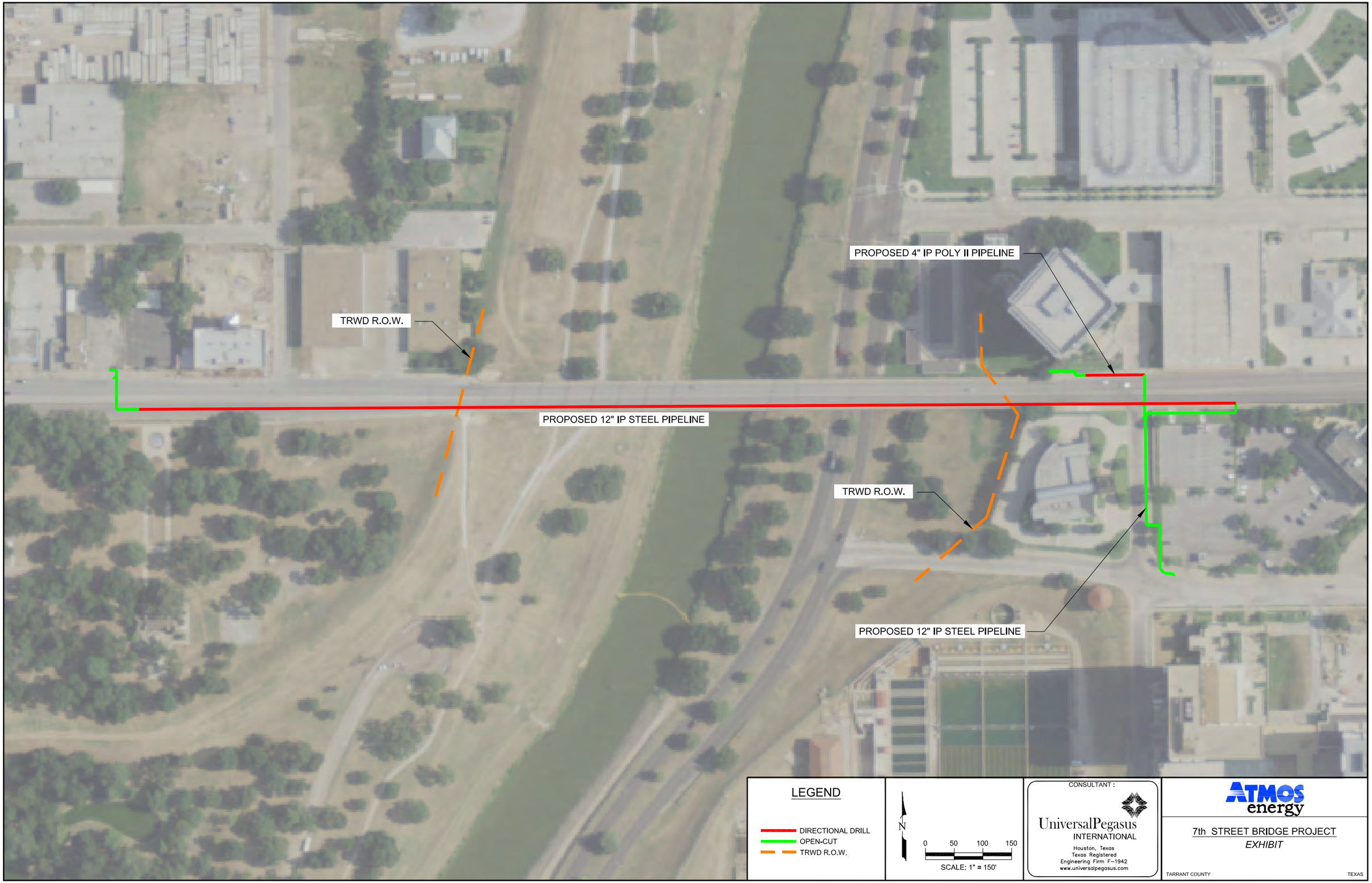
TEAGUE NALL AND PERKINS INC.
TBPE Registration No. F-230
1100 Macon Street
Fort Worth, Texas 76102
Phone:(817)336-5773 • Fax:(817)336-2813
www.tnp-online.com

CITY OF FORT WORTH, TEXAS
DRAINAGE IMPROVEMENTS
SCOTT-SUNSET
EXHIBIT

TNP PROJECT FTW10133
SHEET 1

Drawing: G:\PROJECTS\FTW10133\cad\Sheets\EXHIBITS\ENVIRONMENTAL EXHIBIT.dwg at Feb 21, 2011-1:33pm by Jose_R
Layout: NEW LAYOUT Xrefs: X-BASE.dwg - X-BOUNDARY FROM TNP SURVEY.dwg

Exhibit O



I:\ATMOS\11065 - 7th Street Bridge\EXHIBIT\7th Street Bridge Exhibit.dwg, 2/24/2011 1:10:00 PM

Exhibit P

COUNTY & STATE	TARRANT COUNTY, TEXAS

OWNERSHIP & R/W NO.

STA. 28+00 MATCHLINE (SEE ALIGN 1 SHEET 3)

TX-TARR-COLE-004.00 TEXAS ELECTRIC SERVICES CORPORATION

38+71

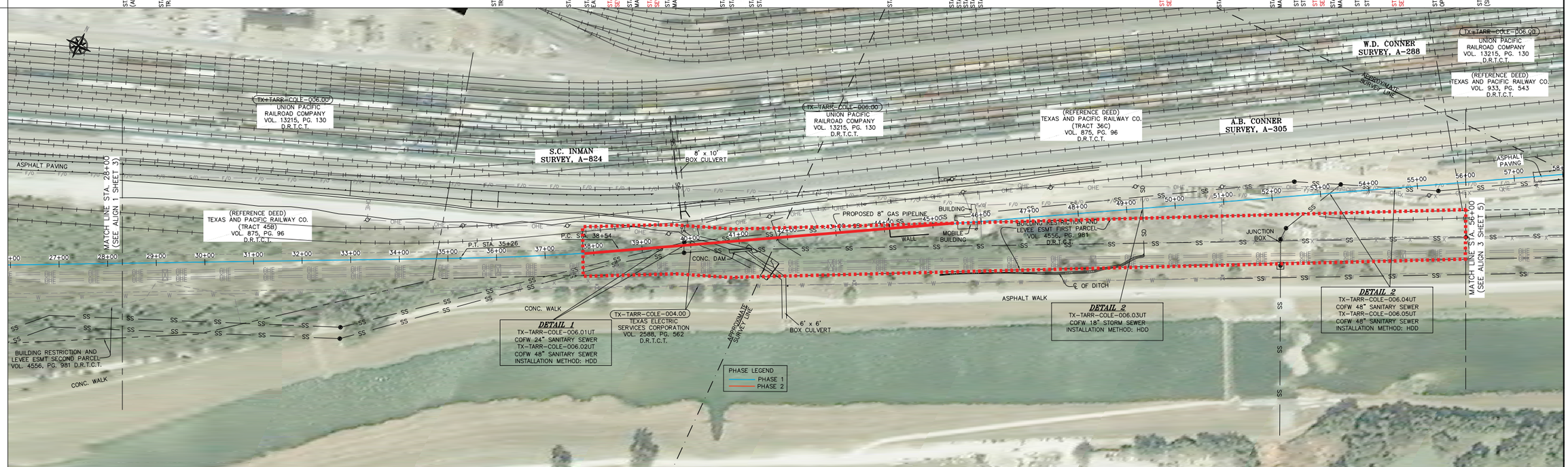
TX-TARR-COLE-006.00 UNION PACIFIC RAILROAD COMPANY

STA. 56+00 MATCHLINE (SEE ALIGN 3 SHEET 5)

STATIONING & TRAVERSE ANGLES

STA. 28+00 MATCHLINE (ALIGN 1 SHEET 3)
STA. 29+17 CENTER OF ELECTRICAL TRANSMISSION TOWER 25' RT.
STA. 34+93 CENTER OF ELECTRICAL TRANSMISSION TOWER 26' R.T.
STA. 37+78 ENTER LEVEE EASEMENT
STA. 38+71 EDGE OF ONCOR EASEMENT
STA. 39+47 COFW 24" SANITARY SEWER ℄ ELEV=556.05'
STA. 39+85 SANITARY SEWER MANHOLE 15' RT.
STA. 39+86 COFW 48" SANITARY SEWER ℄ ELEV=554.08'
STA. 39+87 SANITARY SEWER MANHOLE 6' LT.
STA. 40+13 TOP OF SLOPE
STA. 40+45 TOE OF SLOPE
STA. 40+54 ℄ OF CREEK
STA. 40+69 TOE OF SLOPE
STA. 41+79 TOP OF SLOPE
STA. 44+10 WALL
STA. 45+50 EDGE OF MOBILE BUILDING
STA. 45+70 EXIT LEVEE EASEMENT
STA. 45+84 OVERHEAD ELECTRIC
STA. 45+91 EDGE OF MOBILE BUILDING
STA. 45+98 FENCE LINE
STA. 49+32 COFW 18" STORM SEWER ℄ ELEV=567.85'
STA. 50+95 FENCE LINE/SIGN
STA. 52+48 SANITARY SEWER MANHOLE 29' LT.
STA. 52+92 SIGN 10 LT.
STA. 52+94 POWER POLE 16 LT.
STA. 53+18 COFW 48" SANITARY SEWER ℄ ELEV=549.85'
STA. 53+43 SANITARY SEWER MANHOLE 17' LT.
STA. 53+76 FENCE LINE
STA. 53+92 OVERHEAD ELECTRIC
STA. 54+53 COFW 48" SANITARY SEWER ℄ ELEV=549.85'
STA. 55+22 UNDERGROUND FIBER OPTICS CABLE T.O.P. ELEV=587.94'
STA. 56+00 MATCHLINE (SEE ALIGN 3 SHEET 5)

ALIGNMENT



PIPE DETAIL

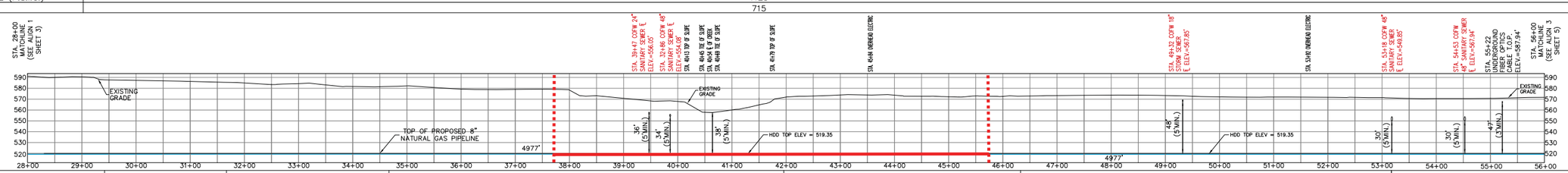
STA. 28+00 MATCHLINE (SEE ALIGN 1 SHEET 3)

③ 2,800' HORIZONTAL DIRECTIONAL DRILL

STA. 56+00 MATCHLINE (SEE ALIGN 3 SHEET 5)

CLASS LOCATION	
HYDROSTATIC TEST PRESSURE (P.S.I.G.)	1125
M.A.O.P. (P.S.I.G.)	715

PROFILE



GENERAL INFORMATION

100 0 100 200
HORIZ. SCALE IN FEET

50 0 50 100
VERT. SCALE IN FEET

EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS GENERATED FROM PREVIOUS MAPS AND SURVEY. CONTRACTOR SHALL VERIFY EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES IN AREA OF WORK PRIOR TO CONSTRUCTION AND CALL TEXAS ONE CALL SYSTEM AT 1-800-245-4545 AND ALL OTHER UTILITY COMPANIES AT LEAST 2 WORKING DAYS (48 HOURS) PRIOR TO CONSTRUCTION.

1-800-245-4545
WWW.TEXASONECALL.COM
TEXAS ONE CALL SYSTEM

PRELIMINARY
NOT FOR CONSTRUCTION
FOR REVIEW PURPOSES ONLY
DATE: 11/16/2010

SUMMARY OF MATERIALS

NO.	DESCRIPTION	QTY
1	8.625" O.D. X 0.322" W.T.,API 5L-X52, 12-14 MILS FBE	0 LF
2	8.625" O.D. X 0.322" W.T.,API 5L-X52, 12-14 MILS FBE, 16-18 MILS ARO	0 LF
3	8.625" O.D. X 0.500" W.T.,API 5L-X52, 12-14 MILS FBE, 16-18 MILS ARO	2800 LF

REFERENCE DRAWINGS

DWG. NO.	DESCRIPTION

REVISION

NO.	DATE	DESCRIPTION	BY	CH'KD.	PROJ. ENGR.	ENG. APPR.
B	12/10	EQC COMMENTS	JEB	SBB		

texas MIDSTREAM GAS SERVICES

COLONIAL EXTENSION (PHASE 1)

PROPOSED 8" NATURAL GAS PIPELINE
CITY OF FORT WORTH
TARRANT COUNTY, TEXAS

DATE:	11/16/2010	AFE No.:	902160
SCALE:	AS SHOWN	SEGMENT ID:	562595
DRAWN BY:	JEB	SHEET 4 OF 15	
CHECKED:	SBB		

DWG. FILE. TX-TARR-COLE-ALIGN2 B

Exhibit Q1

Dallas Floodway Dallas Water Utilites Water Main Replacements

Legend

- bore
- open cut
- Levees
- Dallas Floodway Boundary

N

S

DISCLAIMER - "The U.S. Army Corps of Engineers has provided this data as a representation of the various information gathered from multiple sources utilizing multiple methods. This data should be used only as a representation of the provided information and should not be used for any other purpose. No guarantee is made by the U.S. Army Corps of Engineers regarding the data's accuracy or completeness or its suitability to a particular use."

US Army Corps of Engineers Fort Worth District

Exhibit Q2

Dallas Floodway Dallas Water Utilites Water Main Replacements

Legend

- bore
- open cut
- Levees
- Dallas Floodway Boundary

N

S

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US Army Corps of Engineers
Fort Worth District

Exhibit Q3

Dallas Floodway Dallas Water Utilites Water Main Replacements

Legend

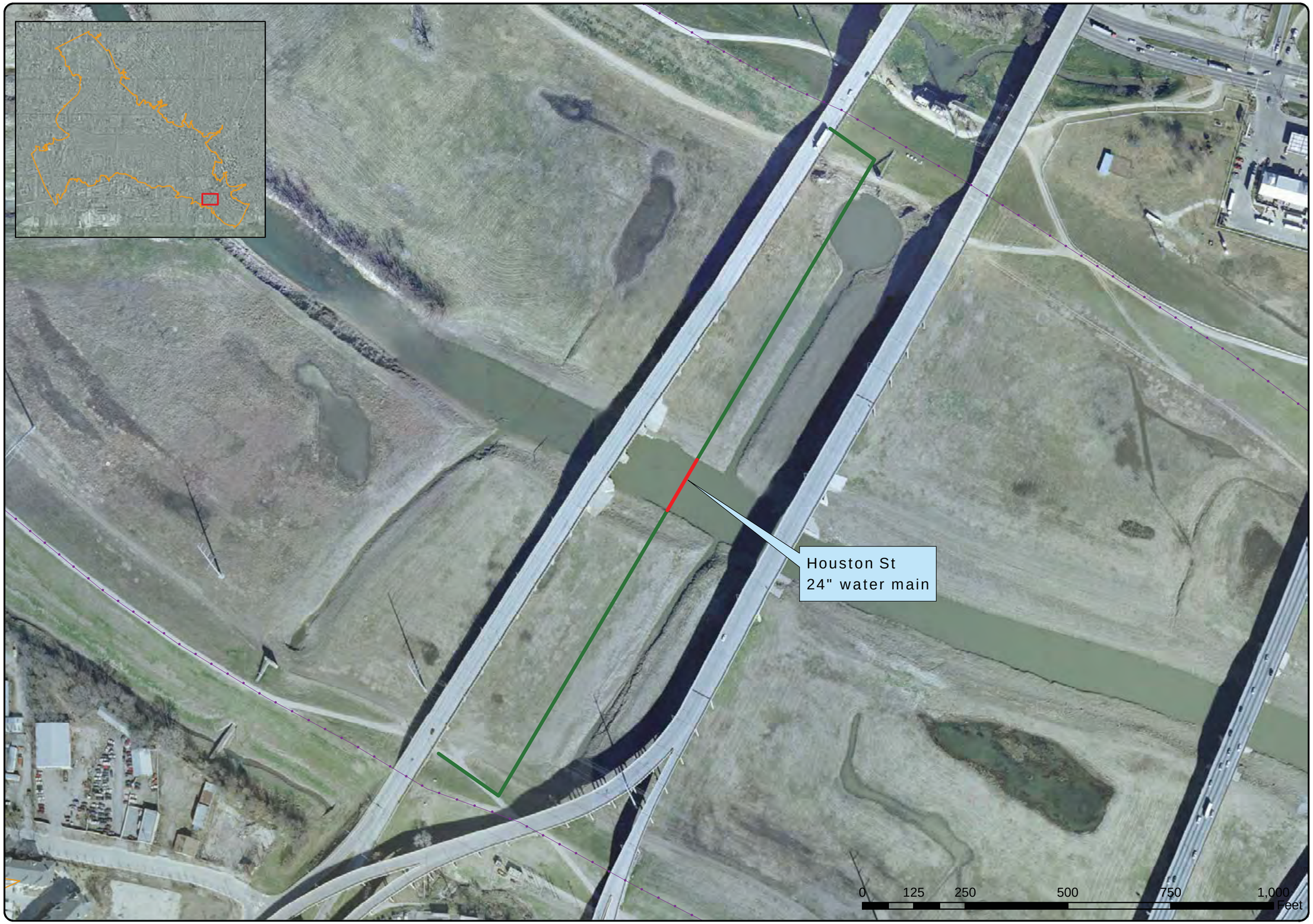
- bore
- open cut
- Levees
- Dallas Floodway Boundary

N
S

DISCLAIMER - "The U.S. Army Corps of Engineers has provided this data as a representation of the various information gathered from multiple sources utilizing multiple methods. This data should be used only as a representation of the provided information and should not be used for any other purpose. No guarantee is made by the U.S. Army Corps of Engineers regarding the data's accuracy or completeness or its suitability to a particular use."

US Army Corps of Engineers Fort Worth District

Exhibit Q4



Dallas Floodway Dallas Water Utilites Water Main Replacements

Legend

- bore
- open cut
- Levees
- Dallas Floodway Boundary

N

S

DISCLAIMER - "The U.S. Army Corps of Engineers has provided this data as a representation of the various information gathered from multiple sources utilizing multiple methods. This data should be used only as a representation of the provided information and should not be used for any other purpose. No guarantee is made by the U.S. Army Corps of Engineers regarding the data's accuracy or completeness or its suitability to a particular use."

US Army Corps of Engineers
Fort Worth District

Exhibit R

Dallas Floodway
Dallas Water
Atmos Gas Line
Relocation

Legend

- Atmos Gas Line relocation
- Levees
- Dallas Floodway Boundary

N
S

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US Army Corps of Engineers
Fort Worth District