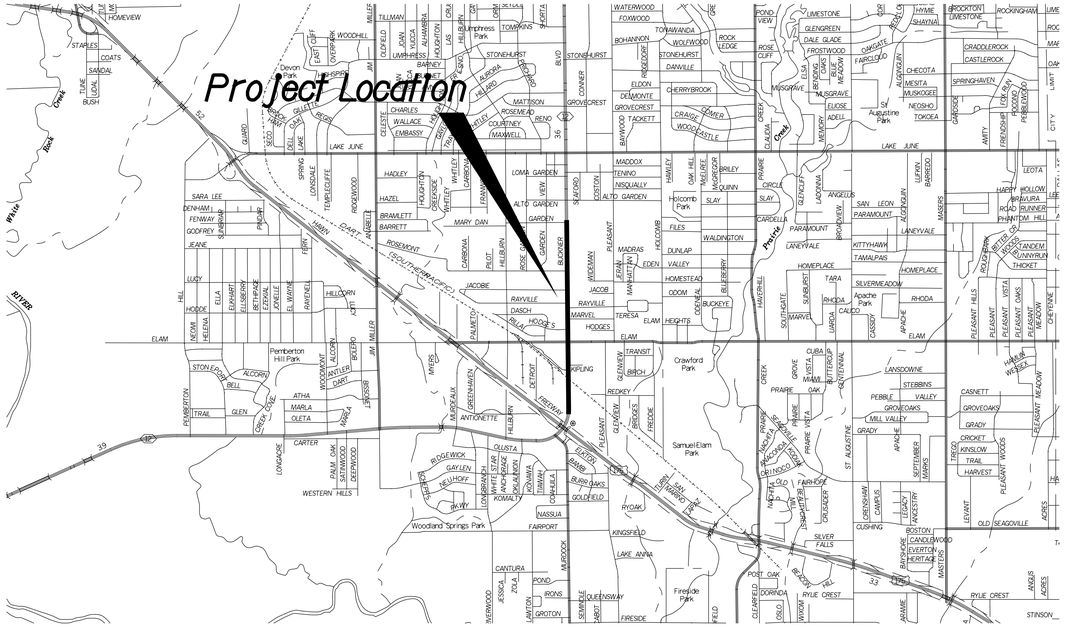
WATER AND WASTEWATER MAIN REPLACEMENTS AT BUCKNER BLVD. (LOOP 12)

TEXAS HIGHWAY DEPARTMENT APPROVAL

HIGHWAY APPROVAL 04/11/16
Approval for water and wastewater main replacement along N.W. Highway (Loop 12) from C.F. Hawn Freeway (US 175) to Dell Garden Ave.
PERMIT NO. DAL20160408103014 EXPIRES 04/11/17

Dallas Water Utilities
City Of Dallas, Texas

Contract No. : 16-155/156
APRIL, 2016



N.T.S.

PID NO.	LOCATION	DESIGN SHEET
	Cover Sheet & General Notes	685W-0367 SH. 35
766	Buckner Blvd. (Loop 12) from C.F. Hawn (US 175) to Dell Garden Ave.	685W-0367 SH. 36-73

STATE OF TEXAS
STEPHEN L. HUNDY
48699
REGISTERED
PROFESSIONAL ENGINEER
4/06/2016

GENERAL NOTES

1. Temporary Water Mains and Services Shall Be Used As Required to Maintain Service To Customers No Separate Pay Item.

2. Landscaping Damaged During Construction Shall be Replaced in Like Kind No Separate Pay Item.

3. Contractor Shall Replace All Sprinkler Heads, Sprinkler Pipes, Control Valves, Etc. Damaged During Construction No Separate Pay Item.

4. ONCOR Electric Transmission Poles There are 5 Steel Poles Supporting 138 KV Power Lines on Reinforced Concrete Drill Shaft Foundations, An Anchor Pole and Guy Wires Along the East Side of Buckner Blvd. From US Highway 175 to Just North of Elam Road. All Water and Wastewater Pipe Placed Within 10 Feet of the Center of the Pole Foundations Shall be Placed by Other Than Open Cut, As Indicated on the Plans. The Contractor Shall Coordinate with Mike Shea, ONCOR Operations Supervisor, at (972) 721-6255, at Least 48 Hours Prior To Beginning Construction Adjacent To Each Large Pole Foundation.

5. There Are Several Locations Where There May Be Conflicts Between the Existing Storm Sewers and the Proposed Wastewater Mains. A Note on the Original Storm Sewer Plans Called For the Use of 6" Cast Iron Pipe and Bends to Route the Sewer Through, or Cast the Inlets Around the Sewer Pipe, etc. Contractor Shall Determine the Elevations of Existing Storm Sewer Laterals in Advance, Chip Out Concrete Wall of Storm Sewers and Modify the Slope of the Proposed Wastewater Mains, as Approved by the Engineer to Eliminate Conflicts With the Existing Storm Sewer System. Compensation for This Effort Shall Be Paid for Each Location Under Item Number 20500 Investigation.

6. All Encasement Pipes Shall Be Bituminous Coated 0.05 Inch Thick, Per AREMA Specifications, and Typical To NTCOG Item 501.13.7.

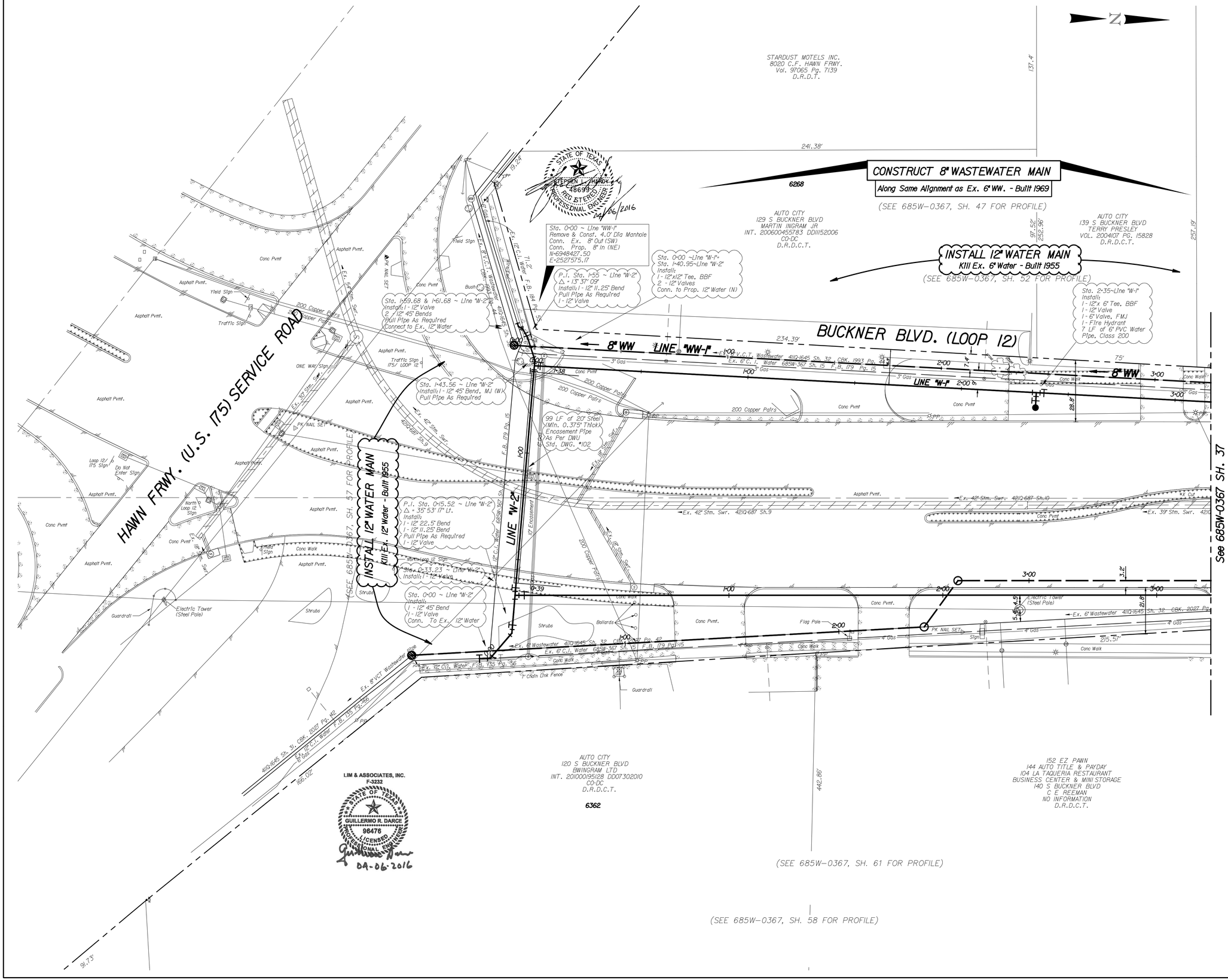
7. Contractor Shall Determine the Locations of All Wastewater Lateral Service Connections, Prior to Beginning Construction of Lines WW-3, WW-6, WW-7 and WW-9. No Separate Pay Item.

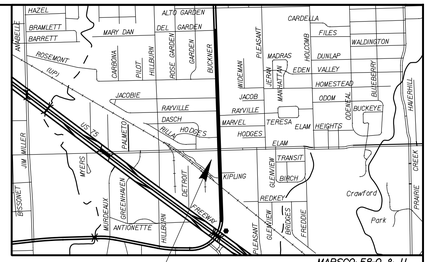
8. All Lanes of Traffic in Buckner Blvd. and in Elam Rd. Shall Be Open from 7:00 to 9:00 AM and from 3:30 to 6:00 PM, Monday through Friday During the Week.

9. The City of Dallas Noise Ordinance Allows Operation of Construction Equipment from 7:00 AM to 7:00 PM Weekdays, and From 8:00 AM to 7:00 PM on Saturdays. Work Outside of These Hours Requires Prior Written Approval of the City of Dallas Director of Public Works.

10. Work at Night, or on Sundays Will Require Prior Written Approval of the City of Dallas Director of Public Works.

11. Contractor Shall Contact City of Dallas Transportation at (214) 670-6904, 48 Hours Prior to Beginning Construction of the Buckner Boulevard Project.





CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working
Days Prior To Constuction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005

CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

Brace All Power Pole and Light Pole
At Contractor's Expense

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK 1
Square Cut on conc. walk at NE corner of Dell Garden Ave. and Garden View Ave.
ELEV = 482.27

BENCHMARK 2
Std. WDBM in storm sewer Inlet NW corner of Buckner Blvd. and Dell Garden Dr.
ELEV = 482.79

BENCHMARK 3
Std. WDBM in storm sewer Inlet NW corner of Buckner Blvd. and Rosemont Rd.
ELEV = 475.89

BENCHMARK 4
Std. WDBM in concrete curb south end Island centerline of Buckner Blvd. and north side of T.& N.O Railroad crossing.
ELEV = 456.70

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER (47-50)-37W
WASTEWATER (47-50)-37S

ARREDONDO, ZEPEDA & BRUNZ, LLC.
1355 McCREE ROAD - DALLAS, TEXAS 75238
(214) 341-9900
TBPE FIRM REG# F-10098

PID: 766 | CONTRACT NO. 16-055/056

WATER & WASTEWATER REPLACEMENT

BUCKNER BLVD. (LOOP 12)

C.F. HAWN FRWY. (US 175) to DELL GARDEN AVE.

DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
SLH	SC	APR. 2016	685W	0367	36

CONSTRUCT 8" WASTEWATER MAIN
Along Same Alignment as Ex. 6" WW. - Built 1969
(SEE 685W-0367, SH. 47 FOR PROFILE)

INSTALL 12" WATER MAIN
Kill Ex. 6" Water - Built 1955
(SEE 685W-0367, SH. 52 FOR PROFILE)

BUCKNER BLVD. (LOOP 12)

See 685W-0367 SH. 36

See 685W-0367 SH. 38

NATIONAL COATING & SUPPLIES
143 S BUCKNER BLVD
SALINAS RAQUEL
INT. 20140017I709 DD06262014
CO-DC
D.R.D.C.T.

AUTOSELL
205 S BUCKNER BLVD
MUELLER PROPERTIES, LTD
VOL. 98146 PG. 2785
D.R.D.C.T.

233 S BUCKNER BLVD
DAL TILE CORP
C/O DELOITTE TAX LLP
VOL. 87210 PG. 3859
D.R.D.C.T.

6268

Sta. 3+39.00 ~ Line "W-1" Install:
1 - 12"x 6" Tee, BBF
1 - 6" Valve, FMJ
1 - 12" Valve
2 - 6" 45° Bend
15 LF 6" PVC Water Pipe, Class 200
Conn. to Ex. 6" Fireline Service

18 LF of 20" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #111A

Sta. 5+24.0 ~Line "W-1" Install:
1 - 12"x 6" Tee, BBF
1 - 12" Valve
1 - 6" Valve, FMJ
1 - Fire Hydrant
7 LF of 6" PVC Water Pipe, Class 200

P.I. Sta. 4+31.47 ~Line "W-1"
Δ = 3°07'00" Lt.
Pull Pipe As Required

Ex. 6" V.C.T. Wastewater 4110-1645 Sh. 32 CBK. 2023 Bk. 15 & CBK. 2097 Pg. 10

Ex. 6" Fireline Service

99.96'

75.13'

150.95'

399.1'

P.I. Sta. 5+10.11 ~ Line "WW-1"
Δ = 03°07'04" Lt
Const. 4.0' Dia Manhole
Conn. 8" Out (S)
Conn. 8" In (N)
N=6948937.20
E=2527595.35

18 LF of 14" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #111A

Ex. 39" Stm. Swr. 4210-687 Sh.10

20 LF of 14" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #111A B.O.T.O.C.

Ex. 18" Stm. Swr.

20 LF of 20" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #111A

Sta. 6+73.41 ~ Line "WW-6" Const. 4.0' Dia Manhole Conn. 8" Out (S) Conn. 8" In (N) N=6949043.06 E=2527676.51

20 LF of 20" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #102 B.O.T.O.C.

Electric Tower (Steel Pole)

PK NAIL SET

Ex. 6" C.I. Water 685W-367 Sh. 15 Ex. 6" Gas 52 15

Ex. 6" Wastewater 4110-1645 Sh. 32 CBK. 2023 Bk. 15 140.97'

RR XING Sign

LINE "WW-1"
LINE "W-1"
LINE "WW-6"
LINE "W-5"

8" WW

12" WATER

Gate

6' Chain Link Fence

Bollards

Conc Pvmt.

Asphalt Pvmt.

Conc Walk

3" Gas

4" Gas

Ex. 8" C.I. Water 685W-367 Sh. 15 Ex. 8" Gas 52 15

Ex. 8" Wastewater 4110-1645 Sh. 32 CBK. 2023 Bk. 15 Pg. 119

Remove Ex. Fire Hydrant

Sta. 3+70.00 ~ Line "W-5" Install:
1 - 12"x 6" Tee, BBF
1 - 12" Valve
1 - 6" Valve, FMJ
1 - 6" 90° Horiz. Bend
1 - Fire Hydrant
12 LF of 6" PVC Water Pipe, Class 200

NO LIMIT MOTORS
212 S BUCKNER BLVD
ROBERT G. WHARTON
INT. 20140018016Z DD06132014
CO-DC
D.R.D.C.T.

PBR INC. AUTO SALES
222 S BUCKNER BLVD
JAMES P. & BARBARA J. REV LIV TRUST
INT 20080086317 DD03112008
CO-DC
D.R.D.C.T.

6362

AMIGO PAINT & BODY SHOP
VICTOR'S NEW & USED TIRES
250 S BUCKNER BLVD
JAMES P. MILLIGAN & BARBARA J. REV LIV TRUST
INT. 20080086317 DD03112008
CO-DC
D.R.D.C.T.

LIM & ASSOCIATES, INC.
F-3232

STATE OF TEXAS
GUILLERMO R. DARCE
96476
LICENSED PROFESSIONAL ENGINEER
04-06-2016

STATE OF TEXAS
STEPHEN L. HARRIS
48699
REGISTERED PROFESSIONAL ENGINEER
04/06/2016

(SEE 685W-0367, SH. 58 FOR PROFILE)
CONSTRUCT 8" WASTEWATER MAIN
Abandon Ex. 6" WW. - Built 1959
(SEE 685W-0367, SH. 61 FOR PROFILE)
INSTALL 12" WATER MAIN
Kill Ex. 6" Water - Built 1955

N

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working Days Prior To Constuction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working Days Prior To Construction.
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CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
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Tele: 1-800-344-8377

CAUTION ~ POWER !
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Brace All Power Pole and Light Pole At Contractor's Expense

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK 1
Square Cut on conc. walk at NE corner of Dell Garden Ave. and Garden View Ave.
ELEV = 482.27

BENCHMARK 2
Std. WDBM in storm sewer inlet NW corner of Buckner Blvd. and Dell Garden Dr.
ELEV = 492.79

BENCHMARK 3
Std. WDBM in storm sewer inlet NW corner of Buckner Blvd. and Rosemont Rd.
ELEV = 475.89

BENCHMARK 4
Std. WDBM in concrete curb south end island centerline of Buckner Blvd. and north side of T.& N.O Railroad crossing.
ELEV = 456.70

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
(47-50)-37W
WASTEWATER
(47-50)-37S

ARREDONDO, ZEPEDA & BRUNZ, LLC.
11355 McCREE ROAD - DALLAS, TEXAS 75238
(214) 341-9900
TBPE FIRM REG# F-10098

PID: 766 | CONTRACT NO. 16-155/156

WATER & WASTEWATER REPLACEMENT

BUCKNER BLVD. (LOOP 12)

C.F. HAWN FRWY. (US 175) to DELL GARDEN AVE.

DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
SLH	SC	APR. 2016	685W	0367	37

CONSTRUCT 8" WASTEWATER MAIN
Along Same Alignment as Ex. 6" WW. - Built 1969
(SEE 685W-0367, SH. 47 FOR PROFILE)

A 6268
233 S BUCKNER BLVD
DAL TILE CORP
C/O DELOITTE TAX LLP
VOL. 87210 PG. 3859
D.R.D.C.T.

(SEE 685W-0367, SH. 52 & 53 FOR PROFILE)
INSTALL 12" WATER MAIN
Kill Ex. 6" Water - Built 1955

DALLAS AREA RAPID TRANSIT

DART CROSSING NOTES
1. 12" PVC Water Pipe Crossing the DART ROW Shall Be Furnished With Restrained Joints.
2. Casing Spacers Shall be Spaced 5 Feet Apart Within the Encasement Pipe.
3. Steel Encasement Pipe Shall Be Grade A 36 (36,000 PSI Yield).
4. Joints In The Encasement Pipe Shall be Fully Welded Around the Circumference and Water Tight.
5. The Ditch Across The DART ROW Shall Be Backfilled With Flowable Fill.
6. Marker Signs Shall Be Placed On Both Sides of the DART ROW to Mark The Location of the water Main Crossing.

DART BUCKNER STATION
8008 ELAM ROAD
DALLAS AREA RAPID TRANSIT
VOL. 2005143 PG. 6965
D.R.D.C.T.

A 6270
Abandon Ex. 6" WW. - Built 1962

Sta. 9+51.0 ~ Line "W-1" Install: 1 - 12"x 8" Tee, 1 - 8" Valve, 1 - 12" Valve, 2 - 8" 90° Bends, 1 - 8" Closed Fireline Service Connect to Ex. 8" Unmetered Fireline
Ex. 8" Fireline Service
P.I. Sta. 9+10.49 ~ Line "W-1" Δ = 010° 02' Lt. Pull Pipe As Required
Remove and Deliver Ex. Fire Hydrant
18 LF of 20" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #111A
Sta. 10+24.0 ~ Line "W-1" Install: 1 - 12"x 6" Tee, BBF, 1 - 12" Valve, 1 - 6" Valve, FMJ, 1 - Fire Hydrant, 7 LF 6" PVC Water Pipe, Class 200
18 LF of 20" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #111A
Sta. 10+78 +/- ~ Line "W-1" Install Pipe To Soil Potential Test Station In Meter Box Crossing, Typical To DWU Std. DWG. #227
Install DWU Warning Sign Contractor Shall Furnish and Set Post and Mount Sign. Sign to be Furnished by DWU. No Separate Pay Item.
145 LF of 20" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #102
Sta. 12+23 +/- ~ Line "W-1" Install Pipe To Soil Potential Test Station In Meter Box Crossing, Typical To DWU Std. DWG. #227

6' Chain Link Fence
Ex. 6" V.C.T. Wastewater 411Q-1645 Sh. 32
Conc Pvmt
Asphalt Pvmt.
Steel Post
Sign
Utility Pole
US Gas Sign
RR Tracks
RR Switch
6" Encasement
Shrubs
Conc Walk
Elec. Riser
Elec. Meter
Sign
Grate Inlet
Concrete Curb
Concrete Gutter
3" Gas
6" Gas
Water
Sanitary Sewer
Storm Sewer
Fence Post
Guy Wire
Power Pole
Light Pole
Tree

BUCKNER BLVD. (LOOP 12)

LINE "WW-1"
8" WW
LINE "W-1"
LINE "W-5"
12" WATER
LINE "WW-6"
8" WW

98.67'
91.28'
485.12'
302 LF to Nearest WV
145 L.F. 20" ENCASEMENT PIPE BY OPEN CUT
160 L.F. 20" ENCASEMENT PIPE
30 L.F. B.O.T.O.C. RAILROAD CROSSING
B.O.T.O.C. As Per DWU Std. DWG. #102
264 LF to Nearest WV
130.70'
157.68'
105.08'
26.65'
364.44'
276.49'
276.50'

Sta. 9+70.0 ~ Line "WW-1" Const. 4.0' Dia Manhole Conn. 8" Out (S) Conn. 8" In (N) N-6949397.05 E-2527588.52
Sta. 10+20.0 ~ Line "W-1" Const. W.W. Access Device As Per Standard Drawing Pg. 328 N-6949447.04 E-2527587.78
Sta. 9+66.60 ~ Line "WW-6" Const. W.W. Access Device As Per Standard Drawing Pg. 328 N-6949336.21 E-2527672.36
Sta. 8+90.00 ~ Line "W-5" Install: 1 - 12"x 6" Tee, BBF, 1 - 12" Valve, 1 - 6" Valve, FMJ, 1 - Fire Hydrant, 7 LF 6" PVC Water Pipe, Class 200
20 LF of 20" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #111A
Sta. 11+55 +/- ~ Line "W-5" Install Pipe To Soil Potential Test Station In Meter Box Crossing, Typical To DWU Std. DWG. #227
Install DWU Warning Sign Contractor Shall Furnish and Set Post and Mount Sign. Sign to be Furnished by DWU. No Separate Pay Item.

Ex. 39" Stm. Swr. 42IQ-687 Sh.11
Ex. 27" Stm. Swr. 42IQ-687 Sh.11
Ex. 27" Stm. Swr. 42IQ-687 Sh.11,12
Ex. 24" Stm. Swr. 42IQ-687 Sh.12
Ex. 18" Stm. Swr. 42IQ-687 Sh.12
Ex. 36" Stm. Swr.
Ex. 24" Stm. Swr. 2IQ-687 Sh.12
Ex. 8" Gas Line (DAL-TILE)
Private 6" Gas Line (OA)
6" Gas
50 Copper Points
PK Nail Set
RR Signal Lights
RR Signal
RR Signal Cabinet
Electric Tower (Steel Pole)
DRAIN HOLE
Asphalt Pvmt.
Concrete Pvmt.
Slot Drain
Grate Inlet
Conc Pvmt.
Conc Walk
Enter Sign
Stop Sign
Private WW Service Ex. 8" WW Lat. No Information
United States Post Office Sign
Traffic Speed Sign
Concrete Curb
Concrete Gutter
Grate Inlet
5' Sidewalk
Ex. 8" C.I. Water 685W-367 Sh. 15 W. F. & P. 179 Dec. 15
Ex. 8" C.I. Water 685W-367 Sh. 16 F. & P. 179 Dec. 15

See 685W-0367 SH. 37
See 685W-0367 SH. 39

AMIGO PAINT & BODY SHOP
VICTOR'S NEW & USED TIRES
250 S BUCKNER BLVD
JAMES P. MILLIGAN & BARBARA J. REV LIV TRUST
INT. 20080086317 DD031I2008 CO-DC
D.R.D.C.T.
6362

ONE STORY METAL BUILDING
200 S BUCKNER BLVD
KEY JOINT VENTURE
VOL. 2001057 PG. 1456
D.R.D.C.T.
6354

UNITED STATES POST OFFICE
350 S BUCKNER BLVD
US POSTAL SERVICE
VOL. 96249 PG. 5310
D.R.D.C.T.
C 6353

UNITED STATES POST OFFICE
316 S BUCKNER BLVD
US POSTAL SERVICE
VOL. 96249 PG. 5310
D.R.D.C.T.

T. & N. O. R.R.

CONSTRUCT 8" WASTEWATER MAIN
Abandon Ex. 6" WW. - Built 1959
(SEE 685W-0367, SH. 58 FOR PROFILE)

(SEE 685W-0367, SH. 61 FOR PROFILE)
INSTALL 12" WATER MAIN
Kill Ex. 6" Water - Built 1955

LIM & ASSOCIATES, INC.
F-3232
STATE OF TEXAS · GUILLERMO R. DARCE · 96476 · LICENSED PROFESSIONAL ENGINEER
04-06-2016

STATE OF TEXAS · STEPHEN L. MURRAY · 48699 · REGISTERED PROFESSIONAL ENGINEER
4/06/2016

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PID: 766 | CONTRACT NO. 16-155/156

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BUCKNER BLVD. (LOOP 12)
C.F. HAWN FRWY. (US 175) to DELL GARDEN AVE.
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
SLH	SC	APR. 2016	685W	0367	38

Abandon Ex. 6" WW. - Built 1961

DART BUCKNER STATION
8008 ELAM ROAD
DALLAS AREA RAPID TRANSIT
VOL. 2005143 PG. 6965
D.R.D.C.T.

A
6270

INSTALL 12" WATER MAIN
KIII Ex. 6" Water - Built 1955
(SEE 685W-0367, SH. 53 FOR PROFILE)

STATE OF TEXAS
STEPHEN I. ARNOLD
48699
REGISTERED
PROFESSIONAL ENGINEER
04/06/2016

BUCKNER BLVD. (LOOP 12)

LINE "W-1"

89 LF of 20" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #102 By Open Cut

P.I. Sta. 15+14.7 ~ Line "W-1" Δ = 015° 36" Rt. Pull Pipe As Required

Sta. 15+21 ~ Line "W-1" Install: 1 - 12"x 6" Tee, BBF 1 - 12" Valve 1 - 6" Valve, FMJ 1 - Fire Hydrant 7 LF 6" PVC Water Pipe, Class 200

18 LF of 20" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #111A

46 LF of 20" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #111A

Sta. 17+16 ~ Line "W-1" Install: 1 - 12"x 6" Tee, BBF 1 - 12" Valve 1 - 6" Valve, FMJ 1 - Fire Hydrant 7 LF 6" PVC Water Pipe, Class 200

948.07'

20 LF of 20" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #102 B.O.T.O.C.

See 685W-0367 SH. 38

See 685W-0367 SH. 40

REHAB. EX. 10" WW. BY CIPP
Ex. 10" WW Built 1959

(SEE 685W-0367, SH. 48 FOR PROFILE)

Sta 1+34 ~ Line "WW-2" Remove & Const. 4.0' Dia Manhole Conn. Ex. 6" Lat. In (W) Conn. 10" Out (SE) N=6949972.73, E=2527580.47

Ex. 24" Stm. Swr., 420.68' Sh. 12

Ex. 18" Stm. Swr., 420.68' Sh. 12

LINE "WW-2"

Sta. 0+00 ~ Line "WW-2" Remove & Const. 4.0' Dia Manhole Conn. Prop. 10" In (NW) Conn. Ex. 8" Lat. In (S) Conn. Ex. 10" Out (E) N=6949906.53 E=2527696.98

Sta. 0+36.54 ~ Line "WW-2" = Sta. 0+00 ~ Line "WW-7" Const. 4.0' Dia Manhole Conn. Prop. 10" In (NW) Conn. Prop. 8" In (N) Conn. Prop. 10" Out (SE) N=6949925.52, E=2527663.07

Remove Ex. Fire Hydrant

10" WW by Open Cut

8" WW

LINE "WW-7"

12" WATER

Ex. 6" C. I. Water 685W-367 Sh. 16 F.B. 179 Pg. 16

Ex. 6" V.C.T. Wastewater 4110-1645 Sh. 37 CBK. 2014 Pg. 88

Ex. 6" V.C.T. Wastewater

271.46'

20 LF of 14" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #111A B.O.T.O.C.

LINE "W-5"

194.65'

Sta. 14+15 ~ Line "W-5" Install: 1 - 12"x 6" Tee, BBF 1 - 12" Valve 1 - 6" Valve, FMJ 1 - Fire Hydrant 5 LF 6" PVC Water Pipe, Class 200

53 LF of 20" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #102 By Open Cut

Sta. 15+04.63 ~ Line "W-5" Install: 1 - 12"x 8" Tee, BBF 1 - 12" Valve 1 - 6" Valve 4 - 8" 45° Horiz. Bends 1 - 8"x 6" Reducer 55 LF 8" PVC Water Pipe, Class 200 Conn. to Ex. 6" Water (E)

Sta. 17+44 ~ Line "W-5" Install: 1 - 12"x 4" Tee, BBF 1 - 12" Valve 1 - 4" Valve, FxMJ 2 - 4" 45° Horiz. Bends 9 LF 4" PVC Water Pipe, Class 200 Conn. to Ex. 4" Fire Line Service (E)

20 LF of 20" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #102 B.O.T.O.C.

Sta. 18+15.00 & 18+19.69 ~ Line "W-5" Install: 2 - 12" 22.5° Horiz. Bends

Sta. 3+74.03 ~ Line "NW-7" Const. W.W. Access Device As Per Standard Drawing Pg. 328 N=6950299.52 E=2527657.73

20 LF of 20" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #111A

Sta. 19+25 ~ Line "W-5" Install: 1 - 12"x 6" Tee, BBF 1 - 12" Valve 1 - 6" Valve, FMJ 1 - Fire Hydrant 5 LF 6" PVC Water Pipe, Class 200

KIPLING DR

C
6353

FAR WEST DALLAS NIGHT CLUB
400 S BUCKNER BLVD
WHAT'S HOT FUN WORLD, LTD.
INT. 2009000006836 DDI2172003
CO-DC
D.R.D.C.T.

B
6353

(SEE 685W-0367, SH. 58 FOR PROFILE)

CONSTRUCT 8" WASTEWATER MAIN
Abandon Ex. 6" WW. - Built 1969

UNIVERSAL DENTAL CLINIC
426 S BUCKNER BLVD
SIC 426 JOINT VENTURE
INT. 2011001820025 DD0708201I
CO-DC
D.R.D.C.T.

EXXON STATION
7-ELEVEN STORE
BOOST MOBILE
440 S BUCKNER BLVD
KASH INVESTORS GROUP LLC
INT. 2010002082452 DD0812201O
CO-DC
D.R.D.C.T.

A
6353

(SEE 685W-0367, SH. 61&62 FOR PROFILE)

INSTALL 12" WATER MAIN
KIII Ex. 6" Water - Built 1955

LIM & ASSOCIATES, INC.
F-3232
STATE OF TEXAS
GUILLERMO R. DARCE
96476
LICENSED
PROFESSIONAL ENGINEER
04-06-2016

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area Contact Fiber Optic Co. Two Working Days Prior To Constuction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area Contact ATMOS Energy Corp. Two Working Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005

CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area Contact S.B.C. Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area Contact TXU Two Working Days Prior To Construction.
Tele: 1-800-344-8377

Brace All Power Pole and Light Pole At Contractor's Expense

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK 1
Square Cut on conc. walk at NE corner of Dell Garden Ave. and Garden View Ave.
ELEV = 482.27

BENCHMARK 2
Std. WDBM in storm sewer inlet NW corner of Buckner Blvd. and Dell Garden Dr.
ELEV = 482.79

BENCHMARK 3
Std. WDBM in storm sewer inlet NW corner of Buckner Blvd. and Rosemont Rd.
ELEV = 475.89

BENCHMARK 4
Std. WDBM in concrete curb south end Island centerline of Buckner Blvd. and north side of T.& N.O Railroad crossing.
ELEV = 456.70

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER (47-50)-37W
WASTEWATER (47-50)-37S

AZ&B
ARREDONDO, ZEPEDA & BRUNZ, LLC.
11355 McCREE ROAD - DALLAS, TEXAS 75238
(214) 340-9900
TBPE FIRM REG# F-10098

PID: 766 | CONTRACT NO. 16-155/156

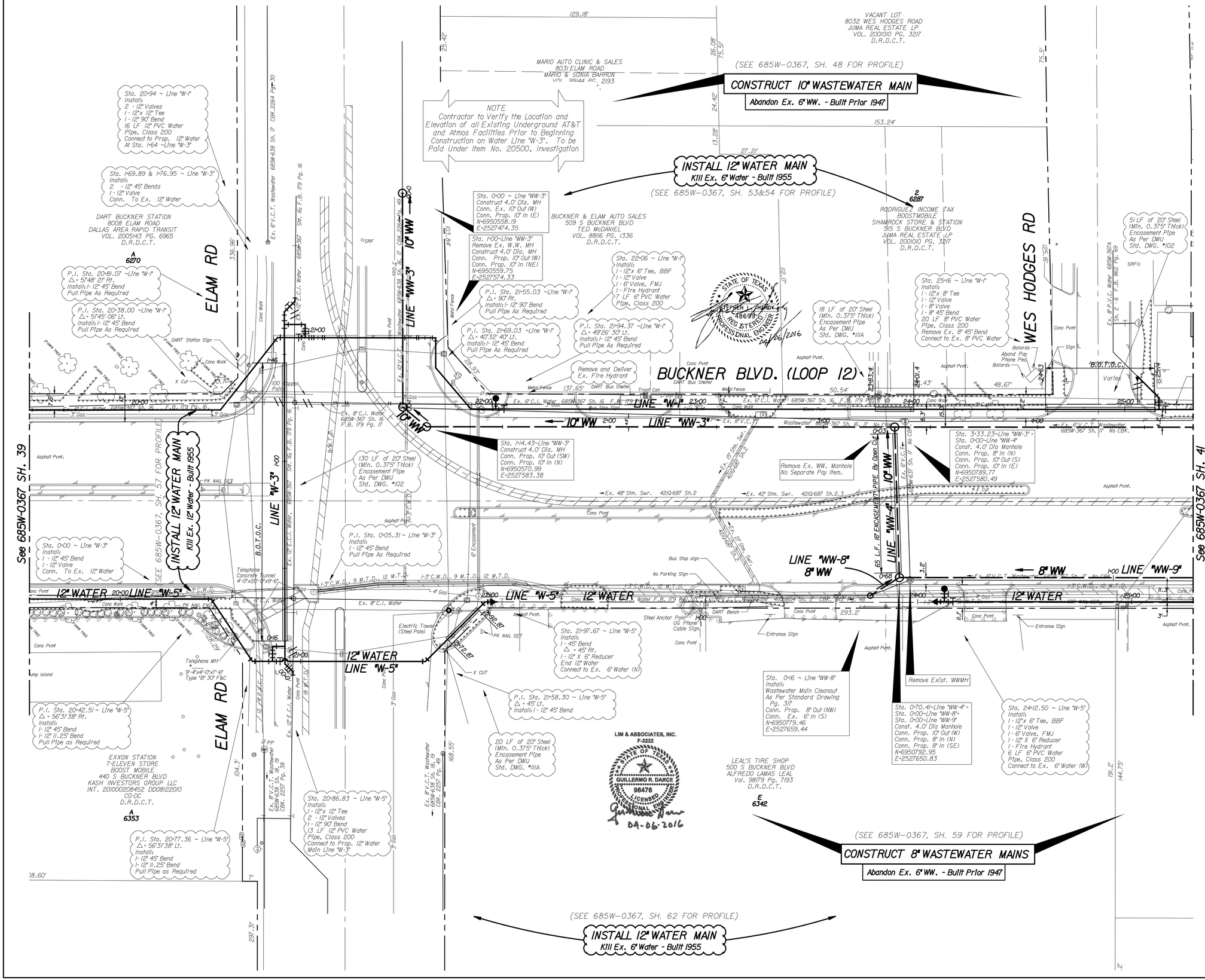
WATER & WASTEWATER REPLACEMENT

BUCKNER BLVD. (LOOP 12)

C.F. HAWN FRWY. (US 175) to DELL GARDEN AVE.

DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
SLH	SC	APR. 2016	685W	0367	39



REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

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ELEV = 475.89

BENCHMARK 4
Std. WDBM in concrete curb south end Island centerline of Buckner Blvd. and north side of T.& N.O Railroad crossing.
ELEV = 456.70

REFERENCES

WATER	WASTEWATER
(47-50)-37W	(47-50)-37S

AZ&B ARREDONDO, ZEPEDA & BRUNZ, LLC.
11355 McCREE ROAD - DALLAS, TEXAS 75238
(214) 341-9900
TBPE FIRM REG# F-10098

PID: 766 | CONTRACT NO. 16-155/156

WATER & WASTEWATER REPLACEMENT

BUCKNER BLVD. (LOOP 12)

C.F. HAWN FRWY. (US 175) to DELL GARDEN AVE.

DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
SLH	SC	APR. 2016	685W	0367	40

N

WES HODGES RD

I
6287
8029 WES HODGES ROAD
NOTE ONE AUTO SALES INC
INT. 20100027362 DD1027 2010
CO-DC
D.R.D.C.T.

I
6287
NOTES ONE AUTO SALES
535 S BUCKNER BLVD
NOTE ONE AUTO SALES INC.
INT. 20100027362 DD1027 2010
CO-DC
D.R.D.C.T.

6286
DRIVE USA AUTO SALES
543 S BUCKNER BLVD
THOMAS W & TOMMY POE
VOL. 83252 PG. 6146
D.R.D.C.T.

6286
TRICOLOR AUTO SALES
543 S BUCKNER BLVD
TOMMY W. POE
VOL. 83252 PG. 6146
D.R.D.C.T.

6286
TRICOLOR AUTO SALES
543 S BUCKNER BLVD
TOMMY W. POE
VOL. 83252 PG. 6146
D.R.D.C.T.

(SEE 685W-0367, SH. 48&49 FOR PROFILE)

CONSTRUCT 8" WASTEWATER MAIN
Abandon Ex. 6" WW. - Built Prior 1947

INSTALL 12" WATER MAIN
Kill Ex. 6" Water - Built 1955

(SEE 685W-0367, SH. 54&55 FOR PROFILE)

Sta. 6+82~Line "WW-3"
Construct 4.0' Dia. MH
Conn. Prop. 8" Out (S)
Conn. Prop. 8" In (N)
N=6951138.51
E=2527575.87

18 LF of 20" Steel (Min. 0.375" THck) Encasement Pipe As Per DNU Std. DWG. #111A

Sta. 27+85 ~ Line "W-1"
Install:
1 - 12"x 6" Tee, BBF
1 - 12" Valve
1 - 6" Valve, FMJ
1 - Fire Hydrant
7 LF 6" PVC Water Pipe, Class 200

P.I. Sta. 28+89.32 ~ Line "W-1"
Δ= 09° 10' Rt.
Pull Pipe As Required

BUCKNER BLVD. (LOOP 12)

LINE "W-1"

8" WW LINE "WW-3"

LINE "WW-3"

LINE "WW-9"

12" WATER

LINE "W-5"

MARVEL DR

SH. 40

SH. 42

See 685W-0367 SH. 40

See 685W-0367 SH. 42

Ex. 42" Stm. Swr. 421Q-687 Sh.3

Ex. 18" Stm. Swr. 420Q-687 Sh.3

Ex. 27" Stm. Swr. 420Q-687 Sh.3

Ex. 36" Stm. Swr. 421Q-687 Sh.3

Ex. 8" P.V.C. Wastewater, 685W-367 Sh. 9, No CBK

Ex. 8" P.V.C. Water 685W-367 Sh. 9

Telephone MH *1840
Size 20'-0"x6'-0"x7'-0"
30" Neck

Sta. 27+81.86 ~ Line "W-5"
Install:
1 - 12"x 8" Tee, BBF
1 - 12" Valve
1 - 8" Valve FxMJ
2 - 8" 45° Horiz. Bends
33 LF 8" PVC Water Pipe, Class 200
Connect to Ex. 8" Water (E)

Sta. 4+34.38~Line "WW-9"
Remove Ex. MH
Construct 4.0' Dia. MH
Conn. Prop. 8" Out (S)
Conn. Prop. 8" In (N)
N=6951227.30
E=2527645.02

40 LF of 20" Steel (Min. 0.375" THck) Encasement Pipe As Per DNU Std. DWG. #102 By Open Cut

40 LF of (Min. 0.3 Encasemen As Per DN Std. DWG. By Open C

Exist. Fire Hydrant to Remain

LIM & ASSOCIATES, INC.
F-3232
STATE OF TEXAS
GUILLERMO R. DARCE
96476
LICENSED PROFESSIONAL ENGINEER
04-06-2016

STATE OF TEXAS
STEPHEN L. HARRY
86699
REGISTERED PROFESSIONAL ENGINEER
04/06/2016

WHEELS AND RELATEDS
OLYMPICS AUTO SALES
528 S BUCKNER BLVD
JUANITA IMOGENE CRAWFORD
PROB *96-178I-P CO-DALLAS
D.R.D.C.T.
6342

EL CAPORAL AUTO SALES
538 S BUCKNER BLVD
VIRGIL R HALL
PROB *02-1709-I CO-DC
D.R.D.C.T
6342

SAFEBUY AUTO SALES
570 S BUCKNER BLVD
HP MVP HOLDING COMPANY LLC
INT. 20130001877 2 DD0118 2013
CO-DC
D.R.D.C.T.
A
6342

(SEE 685W-0367, SH. 59 FOR PROFILE)

CONSTRUCT 8" WASTEWATER MAIN
Abandon Ex. 6" WW. - Built Prior 1947

(SEE 685W-0367, SH. 62 FOR PROFILE)

INSTALL 12" WATER MAIN
Kill Ex. 6" Water - Built 1955

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working Days Prior To Constuction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005

CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working Days Prior To Construction.
Tele: 1-800-344-8377

Brace All Power Pole and Light Pole At Contractor's Expense

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK 1
Square Cut on conc. walk at NE corner of Dell Garden Ave. and Garden View Ave.
ELEV = 482.27

BENCHMARK 2
Std. WDBM In storm sewer Inlet NW corner of Buckner Blvd. and Dell Garden Dr.
ELEV = 482.79

BENCHMARK 3
Std. WDBM In storm sewer Inlet NW corner of Buckner Blvd. and Rosemont Rd.
ELEV = 475.89

BENCHMARK 4
Std. WDBM In concrete curb south end Island centerline of Buckner Blvd. and north side of T.& N.O Railroad crossing.
ELEV = 456.70

Horizontal Scale: 1" = 20'
0' 20' 40'

Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER (47-50)-37W
WASTEWATER (47-50)-37S

AA&B
ARREDONDO, ZEPEDA & BRUNZ, LLC.
11355 McCREE ROAD - DALLAS, TEXAS 75238
(214) 341-9900
TBPE FIRM REG* F-10098

PID: 766 | CONTRACT NO. 16-155/156

WATER & WASTEWATER REPLACEMENT

BUCKNER BLVD. (LOOP 12)

C.F. HAWN FRWY. (US 175) to DELL GARDEN AVE.

DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
SLH	SC	APR. 2016	685W	0367	41

(SEE 685W-0367, SH. 49&50 FOR PROFILE)

CONSTRUCT 8" WASTEWATER MAIN

Abandon Ex. 6" WW. - Built Prior 1947

INSTALL 12" WATER MAIN

KIII Ex. 6" Water - Built 1955

(SEE 685W-0367, SH. 55 FOR PROFILE)

J
6288
MEGA MOTORS
565 S BUCKNER BLVD
B.J. DAVIS INVESTMETS, LTD.
VOL. 2004227 PG. 9808
D.R.D.C.T.

E
6288
LAGUNAS AUTO SALES
615 S BUCKNER BLVD
ROBERT KEITH CLASEN
C/O JOE E DONIHOO
INT. 20110007737G DD0324201I
CO-DC
D.R.D.C.T.

ONE STEP AUTO SALES
603 S BUCKNER BLVD
DORIS CHILDRESS FAMILY LP
VOL. 2003138 PG. 7275
D.R.D.C.T.

DESIGNER AUTO SALES
623 S BUCKNER BLVD
JOE E DONIHOO
INT. 20110007737G DD0324201I
CO-DC
D.R.D.C.T.

RAYVILLE DR

JACOBIE BLVD

BUCKNER BLVD. (LOOP 12)

LINE "W-1"

LINE "WW-3"

LINE "WW-9"

LINE "W-5"

12" WATER

8" WW

Sta. 32+60 ~ Line "W-1"
Install:
1 - 12"x 8" Tee
1 - 8" Valve
1 - 12" Valve
2 - 8" 45° Bends
30 LF 8" PVC Water Pipe, Class 200
Connect to Ex. 8" Water

46 LF of 20" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #102

Sta. 32+68 ~ Line "W-1"
Install:
1 - 12"x 6" Tee, BBF
1 - 12" Valve
1 - 6 Valve, FMJ
1 - Fire Hydrant
7 LF 6" PVC Water Pipe, Class 200

P.I. Sta. 32+64.43 ~ Line "W-1"
△ = 07°9' 10" Rt.
Pull Pipe As Required

Sta. 11+62~Line "WW-3"
Construct 4.0' Dia. MH
Conn. Prop. 8" Out (S)
Conn. Prop. 8" In (N)
N=6951618.47
E=2527569.71

Abandon Ex. MH

Sta. 31+49.43 ~ Line "W-5"
Install:
1 - 12"x 8" Tee
1 - 12" Valve
1 - 8" Valve
4 - 8" 45° Horiz. Bends
38 LF 8" PVC Water Pipe, Class 200
Connect to Ex. 8" Water (E)

Sta. 8+50.04 ~ Line "WW-9"
Construct 4.0' Dia. MH
Conn. Prop. 8" Out (S)
Conn. Prop. 8" In (N)
N=6951642.91
E=2527639.47

50 LF of 20" Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #102

Sta. 35+92.00 ~ Line "W-5"
Install:
1 - 12"x 8" Tee
1 - 12" Valve, 1 - 8" Valve
2 - 8" Combination 90° Bends
15 LF 8" PVC Water
KIII Ex. 8" Water (E)
Connect to Ex. 8" Water (W)
Contractor to Verify Location and Elevation of Ex. 8" D.I. Water Prior To Beginning Construction
Adjust Profile If Required

Ex. 8" D.I. Water 685W-750 Sh. 10
Ex. 8" P.V.C. Water 685W-367A Sh. IA F.B. 854 Pg. 9
Ex. 8" P.V.C. Water 4110 3045 Sh. 12
Ex. 8" D.I. Water

Ex. 36" Stm. Swr. 4210-687 Sh.4
Ex. 33" Stm. Swr. 4210-687 Sh.4.5
Ex. 18" Stm. Swr. 4210-687 Sh.4

Bollards
Tele Cabinet 24 Fiber Pairs Stub-up
Stop Sign Varies
6' Chain Link Fence
Steel Poles
Steel Pipe Fence
Wrought Iron Fence
Wrought Iron Metal Fence
Metal Fence
Bush
Gate
Asphalt Pvmt.
Conc Pvmt
Conc Walk
Valley Walk
Ex. 6" C.I. Water 685W-367 Sh. 12
Ex. 6" C.I. Water 685W-367 Sh. 11
Ex. 8" V.C.T. Wastewater 685W-367 Sh. 11
3" Gas
Ex. 12" C.I.P. Water
2-3 1/2" C.I.B., 12 M.T.D.
PK NAIL SET
604 Nail Set
SRF
X Cut On Conc
Telephone MH "1841 Size 7'-6"x3'-6"x5'-6" 24" Neck
UG TV Cable Cable Sign
Plus Pawn No. 2
55' Stop Sign Varies

15' WATER EASEMENT VOL. 89157, PG. 3085 D.R.D.C.T.

15' WATER EASEMENT VOL. 89157, PG. 3085 BY PLAT

LIM & ASSOCIATES, INC.
F-3232
STATE OF TEXAS
GUILLERMO R. DARCE
96476
LICENSED
PROFESSIONAL ENGINEER
04-06-2016

STATE OF TEXAS
STEPHEN L. MURDY
46699
REGISTERED
PROFESSIONAL ENGINEER
04/06/2016

PAREJAS ALIGNMENT
578 S BUCKNER BLVD
MILTON MARTINZ
INT. 20110023274 3 DD0812201I
CO-DC
D.R.D.C.T.

A
6342

FIRST CASH PAWN
606 S BUCKNER BLVD
FIRST CASH LTD.
INT. 20120013310 5 DD0508201 2
CO-DC
D.R.D.C.T.

B
6342

INFINITI AUTO SALES
634 S BUCKNER BLVD
HALO DEVELOPMENT INC.
VOL. 2004236 PG. 08689
D.R.D.C.T.

6340

DALLAS WHOLESALE AUTO COMPANY
630 S BUCKNER BLVD
JESSE L. MILLER ET UX
INT. 20080026044 DD1226200 7
CO-DC
D.R.D.C.T.

(SEE 685W-0367, SH. 59 FOR PROFILE)

CONSTRUCT 8" WASTEWATER MAIN

Abandon Ex. 6" WW. - Built Prior 1947

(SEE 685W-0367, SH. 62&63 FOR PROFILE)

INSTALL 12" WATER MAIN

KIII Ex. 4" Water - Built 1955

15 Ft. Wide Water Easement By Plat along the East Side of Buckner Blvd. Lot 1A, Block 6340 Jerry W. Moffit. August 1, 1989

Water and Sanitary Sewer Easements Shall Also Include Additional Area of Working Space for Construction and Maintenance of the Systems. Additional Easement Area Is Also Conveyed For Installation and Maintenance of Manholes, Cleanouts, Fire Hydrants, Water Services and Sewer Services from the Main to the Curb or Pavement Line, and Description of Such Additional Easements herein Granted Shall Be Determined By Their Location as Installed.

Volume 89157 Page 3085

See 685W-0367 SH. 41

See 685W-0367 SH. 43

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working Days Prior To Constuction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005

CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working Days Prior To Construction.
Tele: 1-800-344-8377

Brace All Power Pole and Light Pole At Contractor's Expense

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

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Square Cut on conc. walk at NE corner of Dell Garden Ave. and Garden View Ave.
ELEV = 482.27

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Std. WDBM In storm sewer Inlet NW corner of Buckner Blvd. and Dell Garden Dr.
ELEV = 482.79

BENCHMARK 3
Std. WDBM In storm sewer Inlet NW corner of Buckner Blvd. and Rosemont Rd.
ELEV = 475.89

BENCHMARK 4
Std. WDBM In concrete curb south end Island centerline of Buckner Blvd. and north side of T.& N.O Railroad crossing.
ELEV = 456.70

Horizontal Scale: 1" = 20'
0' 20' 40'

Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER (47-50)-37W
WASTEWATER (47-50)-37S

AZ&B
ARREDONDO, ZEPEDA & BRUNZ, LLC.
11355 McCREE ROAD - DALLAS, TEXAS 75238
(214) 341-9900
TBPE FIRM REG# F-10098

PID: 766 | CONTRACT NO. 16-155/156

WATER & WASTEWATER REPLACEMENT

BUCKNER BLVD. (LOOP 12)

C.F. HAWN FRWY. (US 175) to DELL GARDEN AVE.

DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
SLH	SC	APR. 2016	685W	0367	42

(SEE 685W-0367, SH. 50 FOR PROFILE)

CONSTRUCT 8" WASTEWATER MAIN

Abandon Ex. 6" WW. - Built Prior 1947

(SEE 685W-0367, SH. 55&56 FOR PROFILE)

INSTALL 12" WATER MAIN

Kill Ex. 6" Water - Built 1955

JACOBIE BLVD

ROSEMONT RD

BUCKNER BLVD. (LOOP 12)

D
6288
EMPTY BUILDING
701 S BUCKNER BLVD
BEVRO PROPERTIES LP
INT. 200900000422 DDI2292008
CO-DC
D.R.D.C.T.

VACANT LOT
715 S BUCKNER BLVD
BEVRO PROPERTIES LP
INT. 200900000422 DDI2292008
CO-DC
D.R.D.C.T.

B
6289
VACANT LOT
721 S BUCKNER BLVD
PUBLIC AUTOS LTD.
INT. 201100333938 DDI2152011
CO-DC
D.R.D.C.T.

B
6289
VACANT LOT
731 S BUCKNER BLVD
PUBLIC AUTOS LTD.
INT. 201100333938 DDI2152011
CO-DC
D.R.D.C.T.

8016 ROSEMONT RD
ROSA E. LOPEZ
VOL. 2003196 PG. 7138
D.R.D.C.T.

COUNTRY BOY STORE
733 S BUCKNER BLVD
CHANG JIYUN
VOL. 2005044 PG. 7765
D.R.D.C.T.

18 LF of 20' Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #IIIA

Sta. 36+30 ~ Line "W-1" Install:
1 - 12"x 12" Tee
2 - 12" Valves
1 - 12" 45° Bend
1 - 12"x 8" Reducer
1 - 8" 45° Bend
28 LF 12" PVC Water Pipe, Class 200
Connect to Ex. 8" Water

Sta. 37+54 ~ Line "W-1" Install:
1 - 12"x 6" Tee, BBF
1 - 12" Valve
1 - 6" Valve, FMJ
1 - Fire Hydrant
7 LF 6" PVC Water Pipe, Class 200

25 LF of 20' Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #IIIA

Sta. 41+27 ~ Line "W-1" Install:
1 - 12"x 12" Tee
1 - 12" Valve
1 - 12" 90° Bend
15 LF 12" PVC Water Pipe, Class 200
1 - 12"x 8" Reducer
Connect to Ex. 8" Water

25 LF of 20' Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #102

P.I. Sta. 40+97.98 ~ Line "W-1" Δ = 0°39' 35" Lt. Pull Pipe As Required

Sta. 16+57~Line "WW-3" Construct 4.0' Dia. MH Conn. Prop. 8" Out (S) Conn. Prop. 8" In (N) N=6952113.43 E=2527563.27

Note: Constuct WW Line "WW-3" First To Plug Ex. 6" Out (W) and Remove Ex. WW MH Prior To Build Water Line "W-1"

Sta. 20+56~Line "WW-3" Construct 4.0' Dia. MH Conn. Prop. 8" Out (S) Conn. Prop. 8" In (N) N=6952512.39 E=2527557.80

Sta. 13+50.03 ~ Line "WW-9" Construct 4.0' Dia. MH Conn. Prop. 8" Out (S) Conn. Prop. 8" In (N) N=6952142.86 E=2527632.79

Sta. 15+70.74 ~ Line "WW-9" Remove Ex. WWMH

Sta. 40+38.75 ~ Line "W-5" Remove Ex. Bend Install: 1 - 12" 45° Horiz. Bend Connect to Ex. 12" Water (NE)

Sta. 36+56.50 ~ Line "W-5" Install:
1 - 12"x 6" Tee, BBF
1 - 12" Valve
1 - 6" Valve, FMJ
1 - Fire Hydrant
6 LF 6" PVC Water Pipe, Class 200

Remove & Deliver Ex. Fire Hydrant

15' WATER EASEMENT VOL. 89157, PG. 3085 BY PLAT

Ex. Fire Hydrant to Remain

Ex. 8" WW LINE "WW-3"

Ex. 12" WATER LINE "W-1"

LINE "WW-9"

LINE "W-5"

Ex. 6" C.I. Water 685W-367 Sh. 18

Ex. 6" V.C.T. Wastewater 685W-367 Sh. 18

Ex. 4" Water (Misc. Folder Pleasant Grove Area)

Ex. 12" P.V.C. Water 410 1630 Sh. 58

Ex. 33" Stm. Swr. 421Q-687 Sh.4.5

Ex. 33" Stm. Swr. 421Q-687 Sh.5.6

Ex. 27" Stm. Swr. 421Q-687 Sh.5

Ex. 15" Stm. Swr. 421Q-687 Sh.4

Ex. 12" P.V.C. Water 367A Sh. 1A

Abond. 8" C.I. Water 685W-367 Sh. 18

Abandon In Place 410 1630 Sh. 58

17' Encasement

Telephone MH #1842 Size 6'-0"x3'-6"x5'-6" 2.5' Cover

Quick Credit Auto Sign

Miss Pope Psychic Reader & Advisor Sign

DART Bench

Bus Stop sign

Bollards

Building

Aband Pay Phone

Stop Sign Varies

Sign

Wrought Iron Metal Fence

Gravel Drive

6' Chain Link Fence

Asphalt Pvmt.

Conc Pvmt

Conc Curb

Conc Flume

Conc Pad

Conc Pvmt 70.83'

No Parking Sign

No CBK

Ex. 6" C.I. Water 685W-367 Sh. 18 40+00 179 Pg. 18

Ex. 6" V.C.T. Wastewater 685W-367 Sh. 18 No CBK

Ex. 6" C.I. Water 685W-367 Sh. 18 No CBK

Ex. 6" V.C.T. Wastewater 685W-367 Sh. 18 No CBK

Ex. 4" Water (Misc. Folder Pleasant Grove Area) Abandon In Place

Ex. 12" P.V.C. Water 410 1630 Sh. 58

Ex. 6" C.I. Water 685W-367 Sh. 18 Abandon In Place

Ex. 6" V.C.T. Wastewater 685W-367 Sh. 18 No CBK

Ex. 6" V.C.T. Wastewater 410 1630 Sh. 58

2.3 1/2" C.I.B.

12" M.T.D.

3" Gas

Ex. 6" Gas

Ex. 8" WW

Ex. 6" WW

Ex. 12" P.V.C. Water 410 1630 Sh. 58

Ex. 12" P.V.C. Water 367A Sh. 1A 854 Pg. 9

Ex. 6" V.C.T. Wastewater 685W-367 Sh. 18 No CBK

Ex. 6" V.C.T. Wastewater 410 1630 Sh. 58

Ex. 15" Stm. Swr. 421Q-687 Sh.4

Ex. 33" Stm. Swr. 421Q-687 Sh.4.5

Ex. 33" Stm. Swr. 421Q-687 Sh.5.6

Ex. 27" Stm. Swr. 421Q-687 Sh.5

Ex. 15" Stm. Swr. 421Q-687 Sh.5.6

Ex. 24" WW 367

Ex. 12" P.V.C. Water 410 1630 Sh. 58

Ex. 6" V.C.T. Wastewater 410 1630 Sh. 58

Ex. 12" P.V.C. Water 410 1630 Sh. 58

Ex. 6" C.I. Water 685W-367 Sh. 18 Abandon In Place

Ex. 12" P.V.C. Water 410 1630 Sh. 58

Ex. 15" Stm. Swr. 421Q-687 Sh.4

(SEE 685W-0367, SH. 50&51 FOR PROFILE)

CONSTRUCT 8" WASTEWATER MAIN

Abandon Ex. 6" WW. - Built Prior 1947

(SEE 685W-0367, SH. 56 FOR PROFILE)

INSTALL 12" WATER MAIN

KIII Ex. 6" Water - Built 1955

ROSEMONT RD

MARTIN'S USED CARS AND TRUCKS
805 S BUCKNER BLVD
MARTIN R. SANCHEZ
INT. 20050364685I DDI2202005
CO-DC
D.R.D.C.T.

MARTIN'S USED CARS AND TRUCKS
815 S BUCKNER BLVD
MARTIN SANCHEZ
VOL. 2001048 PG. 2283
D.R.D.C.T.

A 6289

MAYHALL AUTO SALES
829 S BUCKNER BLVD
JAMES & JANE MAYHALL
INT. 20300359374 DDI2222009
CO-DC
D.R.D.C.T.

THE WAY OF TRUTH CHURCH
845 S BUCKNER BLVD
THE WAY OF TRUTH CHURCH
VOL. 2000213 PG. 4473
D.R.D.C.T.

Sta. 41+68 ~ LIne "W-1" Install:
1 - 12"x 6" Tee, BBF
1 - 12" Valve
1 - 6" Valve, FMJ
1 - 6" 90° Bend
1 - FIre Hydrant
10 LF 6" PVC Water PIpe, Class 200

Remove and DelIver Ex. FIre Hydrant

P.I. Sta. 42+89.05 ~ LIne "W-1"
△ = 0°40' 10" Rt.
Pull PIpe As Required

Sta. 44+71 ~ LIne "W-1" Install:
1 - 12"x 6" Tee, BBF
1 - 12" Valve
1 - 6" Valve, FMJ
1 - FIre Hydrant
7 LF 6" PVC Water PIpe, Class 200

18 LF of 20' Steel (Min. 0.375" THick) Encasement PIpe As Per DWU Std. DWG. #IIIA

Sta. 25+15~LIne "WW-3" Construct 4.0' Dia. MH
Conn. Prop. 8" Out (S)
Conn. Prop. 8" In (N)
N=6952971.35
E=2527551.27

STATE OF TEXAS
STEPHEN L. HARRY
18699
REGISTERED
PROFESSIONAL ENGINEER
04/06/2016

BUCKNER BLVD. (LOOP 12)

6' Wrought Iron Fence
4' Wrought Iron Fence
½" SRF W/ Red Cap
Elec Meter
TIme Warner Cable Pedestals
Conc Pvmt
Conc Walk
Asphalt Pvmt.
Abandon Ex. MH
50 Copper Pairs
24 Fiber Pairs
Ex. 18" Stm. Swr. 420/687 Sh.6
Lake Junk Next Signal
Telephone MH #1843 7'-6"x3'-6"x5'-6" 25" Neck
Telephone MH #2950 Size 6'-0"x14'-0"x5'-6" 18" Neck Water Main thur MH
Ex. 12" P.V.C. Water 411/0 1630 Sh. 58
Ex. 4" Water (Misc. Folder Pleasant Grove Area) Abandon In Place
Ex. 6" C.I. Water 685W-367 Sh. 18 P.B. 179 Pg. 18
Ex. 6" V.C.I. Wastewater 685W-367 Sh. 18 No CBK.
Ex. 33" Stm. Swr. 421/0-687 Sh.5.6
Ex. 27" Stm. Swr. 420/687 Sh.6
Ex. 12" Stm. Drn. No information
Ex. 18" Stm. Swr. 420/687 Sh.5
Ex. 18" Stm. Swr. 420/687 Sh.6
TREE

See 685W-0367 SH. 43

See 685W-0367 SH. 45

LINE "W-1" — 42+00 — 8" WW

LINE "WW-3" — 22+00 — 8" WW — 24+00 — 8" WW

LINE "WW-9" — 18+00 — 19+00 — 8" WW — 20+00 — 21+00 — 22+00 — 8" WW — 23+00

Sta. 18+50.03 ~ LIne "WW-9" Construct 4.0' Dia. MH
Conn. Prop. 8" Out (S)
Conn. Prop. 8" In (N)
N=6952642.82
E=2527626.12

EASTFIELD COLLEGE
PLEASANT GROVE CAMPUS
808 S BUCKNER BLVD
DALLAS COUNTY COMMUNITY COLLEGE DISTRICT
INT. 20050361O307 DDII302005
CO-DC
D.R.D.C.T.

6340

LIM & ASSOCIATES, INC.
F-3232

STATE OF TEXAS
GUILLERMO R. DARGE
96476
LICENSED
PROFESSIONAL ENGINEER
04-06-2016

(SEE 685W-0367, SH. 60 FOR PROFILE)

CONSTRUCT 8" WASTEWATER MAIN

Abandon Ex. 6" WW. - Built Prior 1947

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working Days Prior To Constuction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working Days Prior To Construction.
Tele: 1-800-545-6005

CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working Days Prior To Construction.
Tele: 1-800-344-8377

Brace All Power Pole and LIght Pole At Contractor's Expense

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK 1
Square Cut on conc. walk at NE corner of Dell Garden Ave. and Garden VIew Ave.
ELEV = 482.27

BENCHMARK 2
Std. WDBM In storm sewer Inlet NW corner of Buckner Blvd. and Dell Garden Dr.
ELEV = 482.79

BENCHMARK 3
Std. WDBM In storm sewer Inlet NW corner of Buckner Blvd. and Rosemont Rd.
ELEV = 475.89

BENCHMARK 4
Std. WDBM In concrete curb south end Island centerlIne of Buckner Blvd. and north side of T.& N.O Railroad crossIng.
ELEV = 456.70

Horizontal Scale: 1" = 20'
0' 20' 40'

Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER (47-50)-37W
WASTEWATER (47-50)-37S

AZ&B
ARREDONDO, ZEPEDA & BRUNZ, LLC.
11355 McCREE ROAD • DALLAS, TEXAS 75238
(214) 341-9900
TBPE FIRM REG# F-10098

PID: 766 | CONTRACT NO. 16-155/156

WATER & WASTEWATER REPLACEMENT

BUCKNER BLVD. (LOOP 12)

C.F. HAWN FRWY. (US 175) to DELL GARDEN AVE.

DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
SLH	SC	APR. 2016	685W	0367	44

(SEE 685W-0367, SH. 51 FOR PROFILE)

CONSTRUCT 8" WASTEWATER MAIN

Abandon Ex. 6" WW. - Built Prior 1947

INSTALL 12" WATER MAIN

Kill Ex. 6" Water - Built 1955

(SEE 685W-0367, SH. 56&57 FOR PROFILE)

See 685W-0367 SH. 44

See 685W-0367 SH. 46

A
6289

THE WAY OF TRUTH CHURCH
845 S BUCKNER BLVD
THE WAY OF TRUTH CHURCH
VOL. 20002I3 PG. 4473
D.R.D.C.T.

PUBLIC AUTO SALES
905 S BUCKNER BLVD
PUBLIC AUTOS LTD.
INT. 20120031668S DD0901201Z
CO-DC
D.R.D.C.T.

6302

PUBLIC AUTO SALES
9I5 S BUCKNER BLVD
PUBLIC AUTOS LTD.
INT. 20120031668S DD0901201Z
CO-DC
D.R.D.C.T.

PUBLIC AUTO SALES
925 S BUCKNER BLVD
PUBLIC AUTOS LTD.
INT. 20120031668S DD0901201Z
CO-DC
D.R.D.C.T.

PUBLIC AUTO SALES
935 S BUCKNER BLVD
PUBLIC AUTOS LTD.
INT. 20120031668S DD0901201Z
CO-DC
D.R.D.C.T.

453.5'
482.27'
482.17'
482.83'
324.42'
323.59'
483.04'

STATE OF TEXAS
STEPHEN L. HARDY
68699
REGISTERED
PROFESSIONAL ENGINEER
04/06/2016

Sta. 47+85 ~ Line "N-1"
Install:
1 - 12"x 6" Tee, BBF
1 - 12" Valve
1 - 6" 90° Bend
1 - 6" Valve, FMJ
1 - Fire Hydrant
10 LF 6" PVC Water Pipe, Class 200

Remove and Deliver Ex. Fire Hydrant

18 LF of 20" Steel (Min. 0.375" Thick) Encasement Pipe As Per DNU Std. DWG. #IIIA

Sta. 30+04~Line "WW-3"
Construct 4.0' Dia. MH
Conn. Prop. 8" Out (S)
Conn. Prop. 8" In (N)
N=6953460.30
E=2527544.89

Sta. 51+49 ~ Line "N-1"
Install:
1 - 12"x 6" Tee, BBF
1 - 12" Valve
1 - 6" 90° Bend
1 - 6" Valve, FMJ
1 - Fire Hydrant
10 LF 6" PVC Water Pipe, Class 200

BUCKNER BLVD. (LOOP 12)

50+51.7
50+67.7

122.95'
115.21'
119.31'
113.05'

48+00
49+00
50+00
51+00
52+00

Conc Pvmt
3" Gas
No Park. Sign
Ex. 6" V.C.T. Wastewater 685W-367 Sh. 18 No. Conc Pvmt
Metal Fence
Asphalt Pvmt.
North Texas Motor Cars
Metal F

8" WW 27+00 LINE "WW-3"
28+00
29+00 8" WW LINE "WW-3"
30+00
31+00 8" WW LINE "WW-3"

Asphalt Pvmt.

Ex. 27" Stm. Swr. 42I0-687 Sh.6.7
Ex. 18" Stm. Swr. 42I0-687 Sh.7
Ex. 18"
42I0-687 Sh.6
Ex. 27" Stm. Swr. 42I0-687 Sh.7

Telephone MH "2950A
Size 16'-0"x5'-0"x8'-0"
18" Neck In Drive

24+00 8" WW Ex. 6" V.C.T. Wastewater 685W-367 Sh. 18 No Conc
25+00
26+00 LINE "WW-9"
27+00
28+00 8" WW

12" WATER
LINE "W-6"

12 M.J. 90° Bend
12 M.J. 45° Bend
Conc Walk & Grs.
Ex. 12" P.V.C. Water 4110 6307 Sh. 60
Conc Pvmt 136.72'
133.11'
200.96'
Sign
Phone Pedestal
Ballards
Telephone MH "344
6'-0"x3'-0"x5'-6"
53' Neck
Bingo Players Sign
Conc Pvmt
Asphalt Pvmt.
Conc Pvmt
Retaining Wall
18.1
11.4'
3.2
11.7
3'
2'-00
1'-00

Sta. 23+49.96 ~ Line "WW-9"
Remove Ex. WWMH
Construct 4.0' Dia. MH
Conn. Prop. 8" Out (S)
Conn. Prop. 8" In (N)
N=6953142.78
E=2527619.44

Sta. 0+00 ~ Line "W-6"
Install:
1 - 12" 45° Horiz. Bend
Connect to Ex. 12" Water (SE)

Sta. 2+30.50 ~ Line "W-6"
Install:
1 - 12"x 6" Tee, BBF
1 - 12" Valve
1 - 6" Valve, FMJ
1 - Fire Hydrant
6 LF 6" PVC Water Pipe, Class 200

Sta. 28+50.03 ~ Line "WW-9"
Construct 4.0' Dia. MH
Conn. Prop. 8" Out (S)
Conn. Prop. 8" In (N)
N=6953642.73
E=2527612.76

EASTFIELD COLLEGE
PLEASANT GROVE CAMPUS
808 S BUCKNER BLVD
DALLAS COUNTY COMMUNITY COLLEGE DISTRICT
INT. 20050360307 DDII302005
CO-DC
D.R.D.C.T.

6340

601.44'
316.44'

PUBLIC AUTO SALES
908 S BUCKNER BLVD
PUBLIC AUTOS LTD
INT. 20110014483Z DD052720II
CO-DC
D.R.D.C.T.

A
6338

321.38'

ALL PRO COLLISION CENTER
920 S BUCKNER BLVD
DENNIS K. & CHERI R CHILDRESS
TRUSTEES
VOL. 83005 PG. 4483
D.R.D.C.T.

6338

311.42'
315.6'

PLAYERS BINGO
928 S BUCKNER BLVD
GRG PROPERTIES, INC
VOL. 97031 PG. 2643
D.R.D.C.T.

LIM & ASSOCIATES, INC.
F-3232

STATE OF TEXAS
GUILLERMO R. DARCE
96476
LICENSED
PROFESSIONAL ENGINEER
09-06-2016

(SEE 685W-0367, SH. 60 FOR PROFILE)

CONSTRUCT 8" WASTEWATER MAIN

Abandon Ex. 6" WW. - Built Prior 1947

(SEE 685W-0367, SH. 63 FOR PROFILE)

INSTALL 12" WATER MAIN

Kill Ex. 4" Water - Built 1955

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working
Days Prior To Constuction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working
Days Prior To Construction.
Tele: 1-800-345-6005

CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

Brace All Power Pole and Light Pole
At Contractor's Expense

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK 1
Square Cut on conc. walk at NE corner of Dell Garden Ave. and Garden View Ave.
ELEV = 482.27

BENCHMARK 2
Std. WDBM In storm sewer Inlet NW corner of Buckner Blvd. and Dell Garden Dr.
ELEV = 482.79

BENCHMARK 3
Std. WDBM In storm sewer Inlet NW corner of Buckner Blvd. and Rosemont Rd.
ELEV = 475.89

BENCHMARK 4
Std. WDBM In concrete curb south end Island centerline of Buckner Blvd. and north side of T.& N.O Railroad crossing.
ELEV = 456.70

Horizontal Scale: 1" = 20'
0' 20' 40'

Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER (47-50)-37W
WASTEWATER (47-50)-37S

AZ&B
ARREDONDO, ZEPEDA & BRUNZ, LLC.
1355 McCREE ROAD - DALLAS, TEXAS 75238
(214) 341-9900
TBPE FIRM REG# F-10098

PID: 766 | CONTRACT NO. 16-155/156

WATER & WASTEWATER REPLACEMENT

BUCKNER BLVD. (LOOP 12)

C.F. HAWN FRWY. (US 175) to DELL GARDEN AVE.

DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
SLH	SC	APR. 2016	685W	0367	45

(SEE 685W-0367, SH. 51 FOR PROFILE)

CONSTRUCT 8" WASTEWATER MAIN

Abandon Ex. 6" WW. - Built Prior 1947

INSTALL 12" WATER MAIN

KIII Ex. 6" Water - Built 1955

(SEE 685W-0367, SH. 57 FOR PROFILE)

DELL GARDEN AVE

BUCKNER BLVD. (LOOP 12)

PUBLIC AUTO SALES
941 S BUCKNER BLVD
PUBLIC AUTOS LTD.
INT. 20070236617 DD08152007
CO-DC
D.R.D.C.T.

ONE STORY FRAME HOUSE
945 S BUCKNER BLVD
KENNETH PEEK
VOL. 91216 PG. 0451
D.R.D.C.T.

ONE STORY FRAME HOUSE
951 S
BUCKNER BLVD
KENNETH PEEK
VOL. 91216 PG. 0451
D.R.D.C.T.

ALLIED MOTORS
REGIO MOTORS
953 S BUCKNER BLVD
KENNETH PEEK
VOL. 91216 PG. 0451
D.R.D.C.T.

CAR WASH
1001 S BUCKNER BLVD
ROBERT PETERSON
INT. 20120016830? DD07012014
CO-DC
D.R.D.C.T.

E & E AUTO SALES
1011 S BUCKNER BLVD
EDGAR O. CERVANTES
INT. 20120015681? DD05242012
CO-DC
D.R.D.C.T.

UNDER CONSTRUCTION
1015 S BUCKNER BLVD
REFUGIO & MARCELA ALCARAZ
INT. 20110004596? DD10082010
CO-DC
D.R.D.C.T.

Sta. 54+54 ~ Line "W-1"
Install:
1 - 12"x 6" Tee, BBF
1 - 12" Valve
1 - 6" Valve, FMJ
1 - Fire Hydrant
7 LF 6" PVC Water Pipe, Class 200

Sta. 54+71 ~ Line "W-1"
Install:
1 - 12"x 12" Tee
(1 - 12" Valve (W.)
2 - 12" 45° Bends
50 LF 12" PVC Water Pipe, Class 200
Connect to Prop. 12" Water At Sta. 1+28.7 ~ Line "W-4"

Remove and Deliver Ex. Fire Hydrant

Sta. 1+46.3 ~ Line "W-4"
Install:
1 - 12"x 8" Reducer
Pull Pipe as Required
Connect to Ex. 8" Water

Sta. 1+28.7 ~ Line "W-4"
Install:
1 - 12"x 12" Tee
1 - 12" Valve (W.)

41 LF of 20' Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #102

Sta. 55+21.04 & 55+24.51 ~ Line "W-1"
Install:
1 - 12" Valve
1 - 12" 45° Combination Bend
1 - 12" 45° Bend
1 - 12"x 8" Reducer
Connect to Ex. 8" Water

LINE "W-1"

LINE "W-3"

LINE "W-4"

LINE "W-9"

LINE "W-6"

8" WW

12" WATER

Ex. 6" C.I. Water 685W-367 Sh. 19, F. B. 179 Pg. 19

Ex. 6" V.C.T. Wastewater 685W-367 Sh. 18, 19, 20 No CBK, F.B. 179 Pg. 19

Ex. 6" C.I. Water 685W-382 Sh. 19

Ex. 6" V.C.T. Wastewater 4110-367 Sh. 19 No CBK

Ex. 6" C.I. Wastewater 4110-1630 Sta. 8 No CBK.

Ex. 8" P.V.C. Water 685W-382 Sh. 19

Ex. 6" C.I. Water 685W-382 Sh. 19

Ex. 6" C.I. Wastewater 4110-1630 Sta. 8+60.55 LT. 6.0' Dp.

Ex. 6" C.I. Water 4110-1630 Sta. 8+60.55 LT. 6.0' Dp.

Ex. 6" C.I. Wastewater 4110-1630 Sta. 8+60.55 LT. 6.0' Dp.

Ex. 6" C.I. Water 4110-1630 Sta. 8+60.55 LT. 6.0' Dp.

Ex. 18" Stm. Swr. 4200-687 Sh.7

Ex. 18" Stm. Swr. 4200-687 Sh.7.8

Sta. 34+90~Line "WW-3"
Construct 4.0' Dia. MH
Conn. Prop. 8" Out (S)
Conn. Prop. 8" In (N)
N=6953946.26
E=2527538.54

Sta. 34+99.5!~Line "WW-3"
Remove & Cons. 4.0' Dia. MH
Conn. Prop. 8" Out (S)
Conn. Ex. 6" In (N)
N=6953952.28
E=2527531.16

101 LF of 20' Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #102

Sta. 0+06.65 ~ Line "W-4"
Δ= 92°10'45" Lt.
Installs
1 - 12" 90° Comb. Bend
Pull Pipe as Required
1 - 12" Valve (W.)

Telephone MH #2598
Size 6'-0"x4'-0"x6'-0"
53" Neck
Neck Offset
MH Under Pavement

18 LF of 20' Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #111A

Sta. 30+93.80 ~ Line "WW-9"
Remove Ex. WWMH
Construct 4.0' Dia. MH
Conn. Prop. 8" Out (S)
Conn. Prop. 8" In (N)
Conn. Ex. 6" In (E)
N=6953886.47
E=2527609.50

Sta. 31+42.41 ~ Line "WW-9"
Construct 4.0' Dia. MH
Conn. Prop. 8" Out (S)
Conn. Ex. 6" In (N)
N=6953934.99
E=2527612.58

18 LF of 20' Steel (Min. 0.375" Thick) Encasement Pipe As Per DWU Std. DWG. #111A

NOTE
Contractor to Verify the Location and Elevation of all Existing Underground AT&T and Atmos Facilities Prior to Beginning Construction on Water Main "W-4". To be Paid Under Item No. 20500, Investigation

Sta. 5+63.90 ~ Line "W-6"
Sta. 0+00 ~ Line "W-4" (5.0' Rt.)
Installs
1 - 12" x 12" Tee
2 - 12" Valves
1 - 12" x 12" Tee Turned Down 18°36' (5.0' Rt.)
1 - 12"x 6" Reducer
10 LF 12" PVC Water Pipe, Class 200
Connect to Ex. 6" Water (E)

Sta. 6+21.36 ~ Line "W-6"
Install:
1 - 12" Valve
1 - 12"x 4" Reducer
2 - 4" 22.5° Horiz. Bends
4 LF 4" PVC Water Pipe, Class 200
Connect to Ex. 4" Water (N)

PRICE AUTO SALES
944 S BUCKNER BLVD
LARCK PPTIES LTD.
INT. 20140020028 DD07312014
CO-DC
D.R.D.C.T.

ONE STORY FRAME HOUSE
1002 S BUCKNER BLVD
ROBERT L REYNOLDS
NO DEED OF RECORD
D.R.D.C.T.

MARIA MEDINA AUTO INSURANCE
1006 S BUCKNER BLVD
MARIA MEDINA
VOL. 97008 PG. 4068
D.R.D.C.T.

ONE STORY FRAME HOUSE
1012 S BUCKNER BLVD
GEORGE M. BROOKER
VOL. 88171, PG. 4295
D.R.D.C.T.

VARIOUS BUSINESS
1018 S BUCKNER BLVD
MARIA MEDINA
VOL. 99074, PG. 5922
D.R.D.C.T.

Brace All Power Pole and Light Pole At Contractor's Expense

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working Days Prior To Constuction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005

CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working Days Prior To Construction.
Tele: 1-800-344-8377

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK 1
Square Cut on conc. walk at NE corner of Dell Garden Ave. and Garden View Ave.
ELEV = 482.27

BENCHMARK 2
Std. WDBM in storm sewer inlet NW corner of Buckner Blvd. and Dell Garden Dr.
ELEV = 482.79

BENCHMARK 3
Std. WDBM in storm sewer inlet NW corner of Buckner Blvd. and Rosemont Rd.
ELEV = 475.89

BENCHMARK 4
Std. WDBM in concrete curb south end Island centerline of Buckner Blvd. and north side of T.& N.O Railroad crossing.
ELEV = 456.70

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER (47-50)-37W
WASTEWATER (47-50)-37S

AZ&B ARREDONDO, ZEPEDA & BRUNZ, LLC.
11355 McCREE ROAD - DALLAS, TEXAS 75238
(214) 341-9660 TBPE FIRM REG# F-10098

PID: 766 | CONTRACT NO. 16-155/156

WATER & WASTEWATER REPLACEMENT

BUCKNER BLVD. (LOOP 12)

C.F. HAWN FRWY. (US 175) to DELL GARDEN AVE.

DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
SLH	SC	APR. 2016	685W	0367	46

STATE OF TEXAS
KEITH L. THURSTON
96699
REGISTERED
PROFESSIONAL ENGINEER
04/06/2016

LIM & ASSOCIATES, INC.
F-3233
STATE OF TEXAS
GUILLERMO R. DARCE
96476
LICENSED
PROFESSIONAL ENGINEER
04-06-2016

See 685W-0367 SH. 45

A 6338

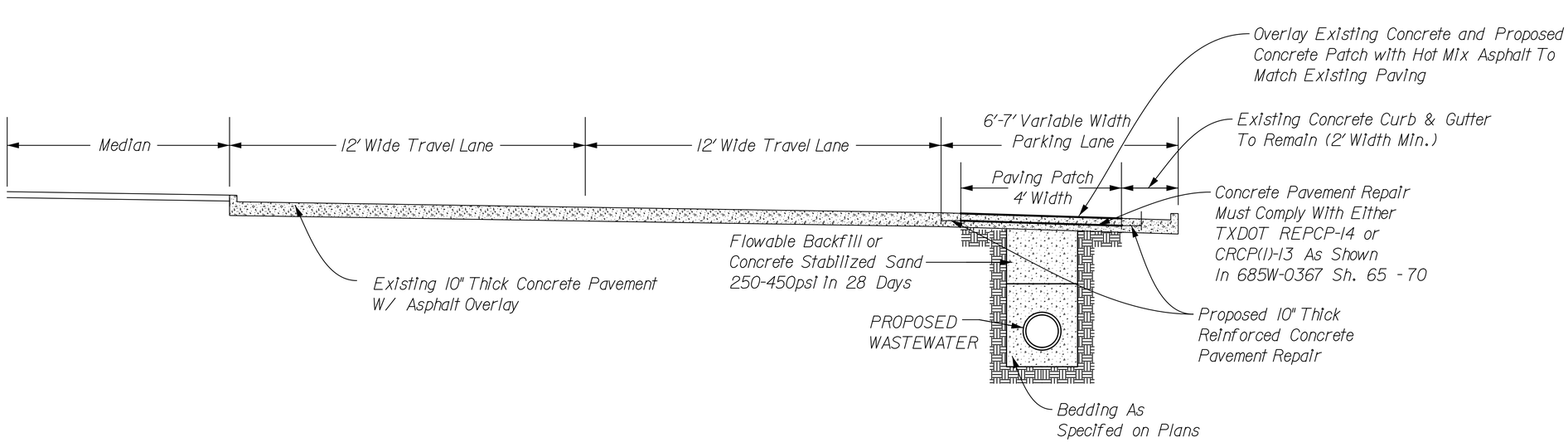
I 6338

6339

NOTES

1. **TXDOT Paving** Buckner Blvd. is maintained by TXDOT. Contractor shall contact Noel Paramanantham, the Dallas County Area Engineer, at (214) 320-6240, Gary Gilmore (214) 319-3598, and Jim Brummett, Special Projects, East Dallas Area Office, at (214) 320-4447, at Least 48 Hours Prior to Beginning Construction in Buckner Blvd. (SH Loop 12).

2. No Paving Is To Be Cut Within the Two 12 Feet Wide Travel Lanes of Buckner Blvd, except as approved by the Construction Engineer. Paving Cut or Damage Outside of the Travel Lanes and Outside of the 4' Wide Paving Patch Shall Be Replaced from Construction Joint to Construction Joint, as Shown on the Paving Repair Details. All Excavated Material Shall Be Removed from the Construction Site, and Trench Excavations Within Highway Paving Shall Be Backfilled With Flowable Backfill (250 -450 psi in 28 Days) or Cement Stabilized Sand Backfill (250-450 psi in 28 Days).



Buckner Blvd. - Typical Section

STATE OF TEXAS
STEPHEN L. HURDT
48699
REGISTERED
PROFESSIONAL ENGINEER
04/06/2016

AZ&B
ARREDONDO, ZEPEDA & BRUNZ, LLC.
11355 McCREE ROAD - DALLAS, TEXAS 75238
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DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
SLH	SC	APR. 2016	685W	0367	64

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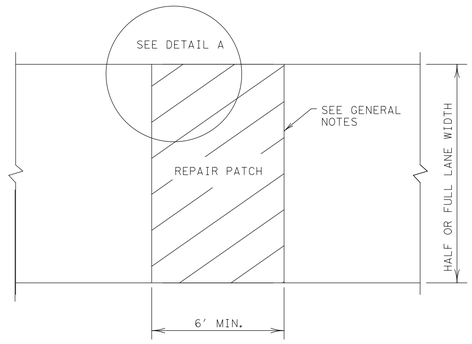
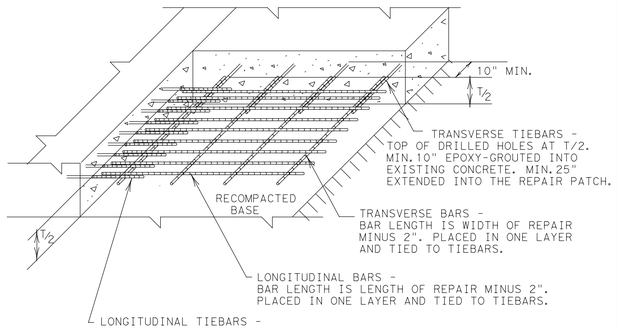
DATE:
FILE:

TABLE NO. 1 STEEL BAR SIZE AND SPACING						
TYPE PAVEMENT	SLAB THICKNESS AND BAR SIZE		LONGITUDINAL*		TRANSVERSE*	
			REGULAR BARS	TIEBARS	BARS	TIEBARS
	T (IN.)	BAR SIZE	SPACING (IN.)	SPACING (IN.)	SPACING (IN.)	SPACING (IN.)
CRCP	6.0	#5	7.5	7.5	24	24
	6.5		7.0	7.0		
	7.0		6.5	6.5		
	7.5		6.0	6.0		
	8.0	#6	9.0	9.0	24	24
	8.5		8.5	8.5		
	9.0		8.0	8.0		
	9.5		7.5	7.5		
	10.0		7.0	7.0		
	10.5		6.75	6.75		
	11.0		6.5	6.5		
	11.5		6.25	6.25		
	≥12.0		6.0	6.0		
JRCP	<8.0	#5	24.0	12.0	24	24
	≥8.0	#6	24.0	12.0	24	24
CPCD	<8.0	#5	NONE	12.0	NONE	24
	≥8.0	#6	NONE	12.0	NONE	24

* USE 12" SPACING AS FIRST AND LAST SPACING AT END OR SIDE FOR ALL BARS.



PLAN VIEW



DETAIL A
GROUTED TIEBARS & REINFORCEMENT

FULL-DEPTH REPAIR OF CRCP, JRCP, AND CPCD

GENERAL NOTES

1. ITEM 361, "REPAIR OF CONCRETE PAVEMENT" SHALL GOVERN FOR THIS WORK.
2. MULTIPLE PIECE TIEBARS SHALL BE USED WHEN THE REPAIR AREA MUST BE PLACED IN TWO STAGES DUE TO SEQUENCE OF CONSTRUCTION.
3. FULL DEPTH SAW CUTS SHALL BE MADE AROUND THE PERIMETER OF THE AREA TO BE REPAIRED. THE CUT SHALL BE MADE AT A RIGHT ANGLE TO THE PAVEMENT EDGE AND TO THE CENTER LINE OF THE PAVEMENT.
4. AT LEAST ONE LONGITUDINAL FULL DEPTH SAW CUT SHALL BE AT AN EXISTING LONGITUDINAL JOINT.
5. ADDITIONAL SAW CUTS MAY BE REQUIRED WITHIN THE AREA OF THE REPAIR TO FACILITATE REMOVAL OF THE CONCRETE OR TO ALLEVIATE BINDING OF THE FULL DEPTH SAW CUT AT THE REPAIR EDGE.
6. THE SAW CUTS WHICH EXTEND OUTSIDE THE AREA OF THE REPAIR WILL BE CLEANED AND FILLED WITH A CEMENTITIOUS GROUT APPROVED BY THE ENGINEER.
7. EXISTING LONGITUDINAL AND TRANSVERSE JOINTS REMOVED DUE TO REPAIR OPERATION SHOULD BE RESTORED IN ACCORDANCE WITH STANDARD SHEET "CONCRETE PAVING DETAILS, JOINT SEALS."

GENERAL NOTES

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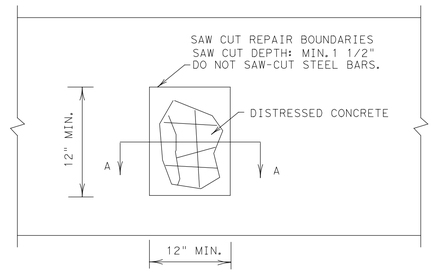
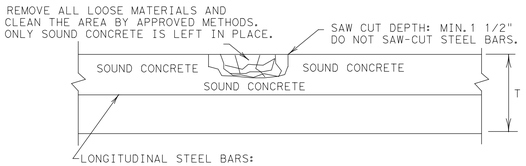


PLAN VIEW



LONGITUDINAL STEEL BARS:

*REPAIR AREAS MAY BE ADJUSTED AFTER REMOVING DISTRESSED CONCRETE. SWITCH THE HALF-DEPTH REPAIR TO FULL-DEPTH REPAIR IF EXPOSED EXISTING LONGITUDINAL BARS ARE DEFICIENT, AS APPROVED. COMPENSATION WILL BE MADE FOR UNEXPECTED VOLUMES OF REPAIR AREAS OR CHANGES IN SCOPE OF WORK.

*INCREASE THE REPAIR AREA AND PERFORM A FULL-DEPTH REPAIR AS DIRECTED IF LONGITUDINAL STEEL BARS WERE DAMAGED BY THE REMOVAL OPERATIONS. NO ADDITIONAL COMPENSATION WILL BE MADE.

SECTION A-A

HALF-DEPTH REPAIR

SHEET 1 OF 2

Texas Department of Transportation — Design Division Standard

REPAIR OF CONCRETE PAVEMENT

REPCP-14

FILE: repcp14.dgn	DN: TxDOT	DN: HC	DW: HC	CK: AN
©TxDOT: DECEMBER 2014	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

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Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
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REFERENCES
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WASTEWATER (47-50)-37S



AZ&B ARREDONDO, ZEPEDA & BRUNZ, LLC.
1355 McCREE ROAD - DALLAS, TEXAS 75238
(214) 341-3900
TBPE FIRM REG# F-10098

PID: 766 | CONTRACT NO. 16-155/156

WATER & WASTEWATER REPLACEMENT

BUCKNER BLVD. (LOOP 12)

C.F. HAWN FRWY. (US 175) to DELL GARDEN AVE.

DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
SLH	SC	APR. 2016	685W	0367	65

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DATE:
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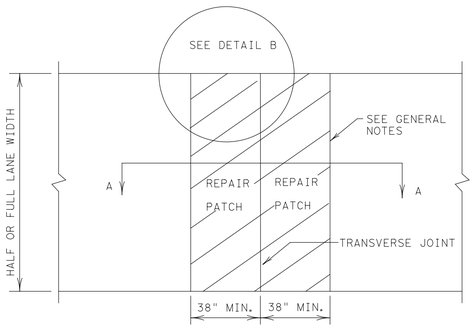
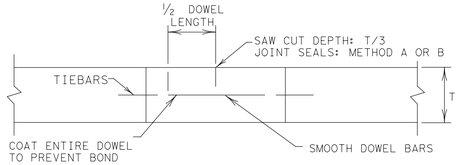
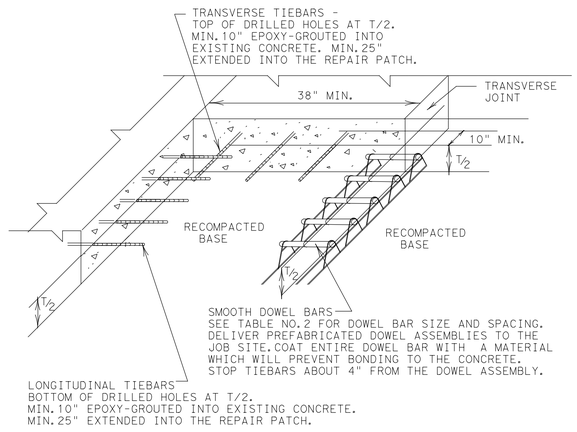


PLAN VIEW



SECTION A-A



DETAIL B
GROUTED TIEBARS & DOWELS

GENERAL NOTES

1. ITEM 361, "REPAIR OF CONCRETE PAVEMENT" SHALL GOVERN FOR THIS WORK.
2. MULTIPLE PIECE TIEBARS SHALL BE USED WHEN THE REPAIR AREA MUST BE PLACED IN TWO STAGES DUE TO SEQUENCE OF CONSTRUCTION.
3. FULL DEPTH SAW CUTS SHALL BE MADE AROUND THE PERIMETER OF THE AREA TO BE REPAIRED. THE CUT SHALL BE MADE AT A RIGHT ANGLE TO THE PAVEMENT EDGE AND TO THE CENTER LINE OF THE PAVEMENT.
4. AT LEAST ONE LONGITUDINAL FULL DEPTH SAW CUT SHALL BE AT AN EXISTING LONGITUDINAL JOINT.
5. ADDITIONAL SAW CUTS MAY BE REQUIRED WITHIN THE AREA OF THE REPAIR TO FACILITATE REMOVAL OF THE CONCRETE OR TO ALLEVIATE BINDING OF THE FULL DEPTH SAW CUT AT THE REPAIR EDGE.
6. THE SAW CUTS WHICH EXTEND OUTSIDE THE AREA OF THE REPAIR WILL BE CLEANED AND FILLED WITH A CEMENTITIOUS GROUT APPROVED BY THE ENGINEER.
7. EXISTING LONGITUDINAL AND TRANSVERSE JOINTS REMOVED DUE TO REPAIR OPERATION SHOULD BE RESTORED IN ACCORDANCE WITH STANDARD SHEET "CONCRETE PAVING DETAILS, JOINT SEALS."
8. DOWEL BAR PLACEMENT TOLERANCE SHALL BE +/- 1/4 IN. HORIZONTALLY AND VERTICALLY UNLESS OTHERWISE SPECIFIED. WHERE DOWEL BAR BASKETS ARE USED, REMOVE THE SHIPPING WIRES.

TABLE NO. 2 DOWELS (SMOOTH BARS)			
PAVEMENT THICKNESS (INCHES)	SIZE AND DIA.	LENGTH (IN.)	SPACING (IN.)
<10	#8 (1 IN.)	18.0	12.0
≥10	#10 (1 1/4 IN.)		

REPAIR OF TRANSVERSE JOINT OF CPCD

SHEET 2 OF 2

Texas Department of Transportation — Design Division Standard

REPAIR OF CONCRETE PAVEMENT

REPCP-14

FILE: repcp14.dgn	DN: TxDOT	DW: HC	DW: HC	CK: AN
©TxDOT: DECEMBER 2014	CONT	SECT	JOB	HIGHWAY
REVISIONS	DIST	COUNTY		SHEET NO.

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK 1
Square Cut on conc. walk at NE corner of Dell Garden Ave. and Garden View Ave.
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Std. WDBM in storm sewer inlet NW corner of Buckner Blvd. and Dell Garden Dr.
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Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
(47-50)-37W
WASTEWATER
(47-50)-37S

STATE OF TEXAS
STEPHEN L. HAWK
68699
REGISTERED PROFESSIONAL ENGINEER
6/06/2016

AZ&B
ARREDONDO, ZEPEDA & BRUNZ, LLC.
11355 McCREE ROAD - DALLAS, TEXAS 75238
(214) 341-9900
TBPE FIRM REG# F-10098

PID: 766 | CONTRACT NO. 16-155/156

WATER & WASTEWATER REPLACEMENT
BUCKNER BLVD. (LOOP 12)
C.F. HAWN FRWY. (US 175) to DELL GARDEN AVE.
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
SLH	SC	APR. 2016	685W	0367	66

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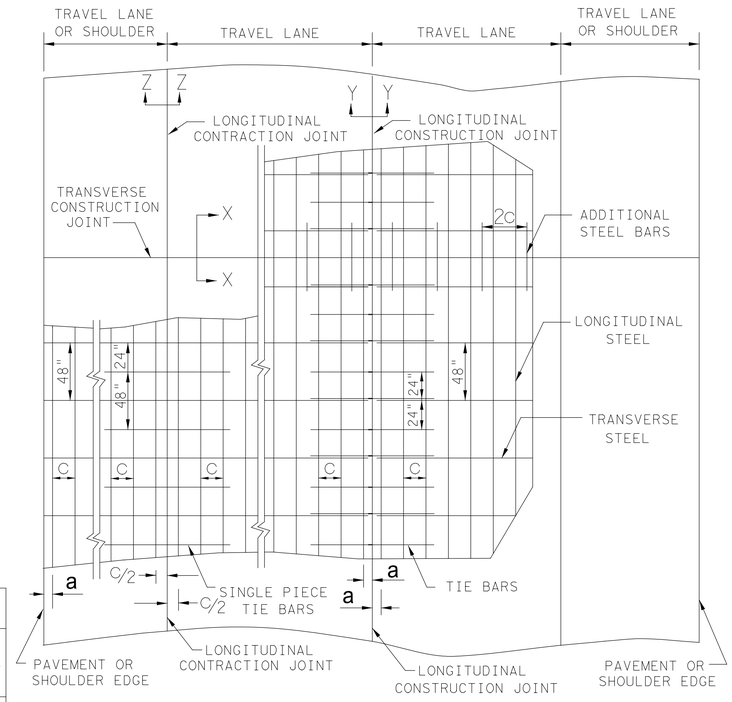
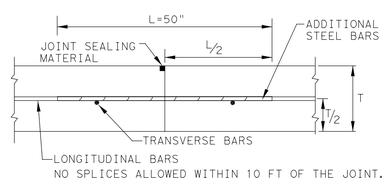
TABLE NO. 1 LONGITUDINAL STEEL					
SLAB THICKNESS AND BAR SIZE		REGULAR STEEL BARS	FIRST SPACING AT EDGE OR JOINT	ADDITIONAL STEEL BARS AT TRANSVERSE CONSTRUCTION JOINT (SECTION X-X)	
T (IN.)	BAR SIZE	SPACING c (IN.)	SPACING a (IN.)	SPACING 2 x c (IN.)	LENGTH L (IN.)
7.0	#5	6.5	3 TO 4	13	50
7.5	#5	6.0	3 TO 4	12	50
8.0	#6	9.0	3 TO 4	18	50
8.5	#6	8.5	3 TO 4	17	50
9.0	#6	8.0	3 TO 4	16	50
9.5	#6	7.5	3 TO 4	15	50
10.0	#6	7.0	3 TO 4	14	50
10.5	#6	6.75	3 TO 4	13.5	50
11.0	#6	6.5	3 TO 4	13	50
11.5	#6	6.25	3 TO 4	12.5	50
12.0	#6	6.0	3 TO 4	12	50
12.5	#6	5.75	3 TO 4	11.5	50
13.0	#6	5.5	3 TO 4	11	50

TABLE NO. 2 TRANSVERSE STEEL AND TIE BARS						
SLAB THICKNESS (IN.)	TRANSVERSE STEEL		TIE BARS AT LONGITUDINAL CONTRACTION JOINT (SECTION Z-Z)		TIE BARS AT LONGITUDINAL CONSTRUCTION JOINT (SECTION Y-Y)	
	BAR SIZE	SPACING (IN.)	BAR SIZE	SPACING (IN.)	BAR SIZE	SPACING (IN.)
7.0 - 7.5	#5	48	#5	48	#5	24
8.0 - 13.0	#5	48	#6	48	#6	24



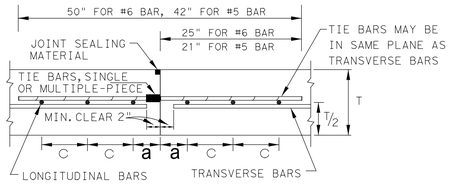
TYPICAL PAVEMENT LAYOUT

PLAN VIEW (NOT TO SCALE)



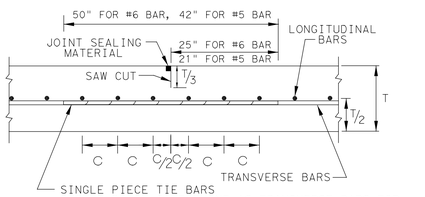
TRANSVERSE CONSTRUCTION JOINT

SECTION X - X



LONGITUDINAL CONSTRUCTION JOINT

SECTION Y - Y



LONGITUDINAL CONTRACTION JOINT

SECTION Z - Z

GENERAL NOTES

1. DETAILS FOR PAVEMENT WIDTH, PAVEMENT THICKNESS AND THE CROWN CROSS-SLOPE SHALL BE SHOWN ELSEWHERE IN THE PLANS. PAVEMENTS WIDER THAN 100 FT. WITHOUT A FREE LONGITUDINAL JOINT ARE NOT COVERED BY THIS STANDARD.
2. USE COARSE AGGREGATES TO PRODUCE CONCRETE WITH A COEFFICIENT OF THERMAL EXPANSION (CTE) NOT MORE THAN 5.5 X 10^{-6} IN/IN/°F.
3. ALL THE REINFORCING STEEL AND TIE BARS SHALL BE DEFORMED STEEL BARS CONFORMING TO ASTM A 615 (GRADE 60) OR ASTM A 996 (GRADE 60) OR ABOVE. STEEL BAR SIZES AND SPACINGS SHALL CONFORM TO TABLE NO. 1 AND TABLE NO. 2.
4. WHEN LOW CTE CONCRETE (NOT MORE THAN 4.0 X 10^{-6} IN/IN/°F) IS PRODUCED. TABLE NO. 1A MAY BE USED FOR LONGITUDINAL STEEL AS APPROVED BY THE ENGINEER.
5. STEEL BAR PLACEMENT TOLERANCE SHALL BE +/- 1 IN. HORIZONTALLY AND +/- 0.5 IN. VERTICALLY. CALCULATED AVERAGE BAR SPACING (CONCRETE PLACEMENT WIDTH / NUMBER OF LONGITUDINAL BARS) SHALL CONFORM TO TABLE NO. 1 OR TABLE NO. 1A.
6. PAVEMENT WIDTHS OF MORE THAN 15 FT. SHALL HAVE A LONGITUDINAL JOINT (SECTION Z-Z OR SECTION Y-Y). THESE JOINTS SHALL BE LOCATED WITHIN 6 IN. OF THE LANE LINE UNLESS THE JOINT LOCATION IS SHOWN ELSEWHERE ON THE PLANS.
7. THE SAW CUT DEPTH FOR THE LONGITUDINAL CONTRACTION JOINT (SECTION Z-Z) SHALL BE ONE THIRD OF THE SLAB THICKNESS (T/3).
8. WHEN TYING CONCRETE GUTTER AT A LONGITUDINAL JOINT, THE TIE BAR LENGTH OR POSITION MAY BE ADJUSTED. PROVIDE 3 IN. OF CONCRETE COVER FROM THE BACK OF GUTTER TO THE END OF TIE BAR.
9. REPLACE MISSING OR DAMAGED TIE BARS WITHOUT ADDITIONAL COMPENSATION BY DRILLING MIN. 10 IN. DEEP AND GROUTING TIE BARS WITH TYPE III, CLASS C EPOXY. MEET THE PULL-OUT TEST REQUIREMENTS IN ITEM 361.
10. OMIT TIE BARS LOCATED WITHIN 18 IN. OF THE TRANSVERSE CONSTRUCTION JOINTS (SECTION X-X). USE HAND-OPERATED IMMERSION VIBRATORS TO CONSOLIDATE THE CONCRETE ADJACENT TO ALL FORMED JOINTS.
11. LONGITUDINAL REINFORCING STEEL SPLICES SHALL BE A MINIMUM OF 25 IN. STAGGER THE LAP LOCATIONS SO THAT NO MORE THAN 1/3 OF THE LONGITUDINAL STEEL IS SPLICED IN ANY GIVEN 12-FT. WIDTH AND 2-FT. LENGTH OF THE PAVEMENT.
12. THE DETAIL FOR THE JOINT SEALANT AND RESERVOIR IS SHOWN ON STANDARD SHEET "CONCRETE PAVING DETAILS, JOINT SEALS."

SHEET 1 OF 2

Texas Department of Transportation — Design Division Standard

CONTINUOUSLY REINFORCED CONCRETE PAVEMENT

ONE LAYER STEEL BAR PLACEMENT
T - 7 to 13 INCHES

CRCP(1)-13

FILE: crcp113.dgn	DN: TxDOT	CK: AN	DW: HC	CK: RM
© TxDOT October 2013	CONT	SECT	JOB	HIGHWAY
REVISIONS				
10/10/2011 ADD GN #12 04/09/2013 REMOVE 6" AND 6.5" ADD CTE REQUIREMENTS	DIST	COUNTY		SHEET NO.

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

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STATE OF TEXAS — STEPHEN L. PHIPPS — 48699 — REGISTERED PROFESSIONAL ENGINEER — 04/06/2016

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CITY OF DALLAS, TEXAS

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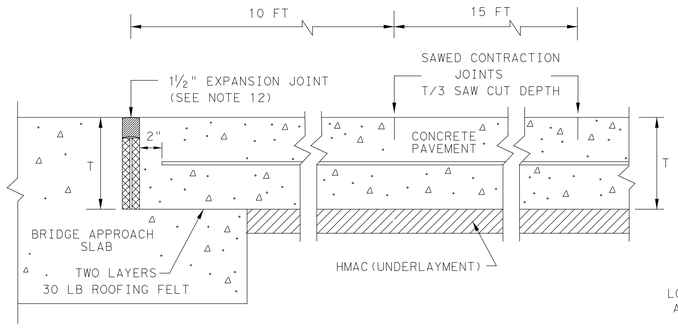
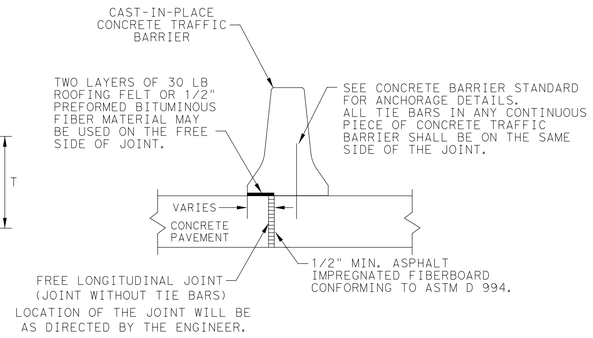
FILE:

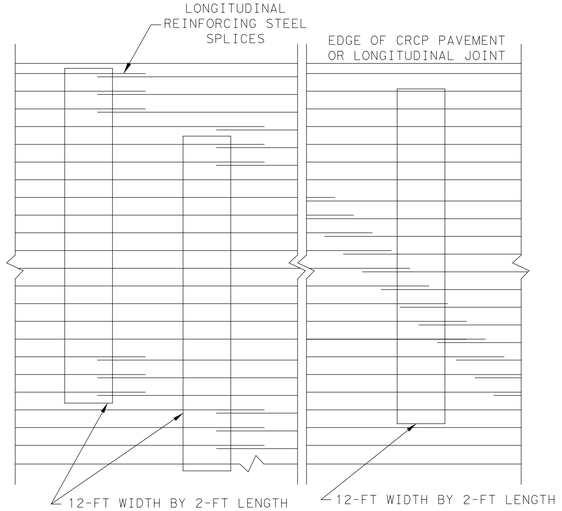
TABLE NO.1A LONGITUDINAL STEEL FOR LOW CTE CONCRETE AS APPROVED BY THE ENGINEER					
SLAB THICKNESS AND BAR SIZE		REGULAR STEEL BARS	FIRST SPACING AT EDGE OR JOINT	ADDITIONAL STEEL BARS AT TRANSVERSE CONSTRUCTION JOINT (SECTION X-X)	
T (IN.)	BAR SIZE	SPACING c (IN.)	SPACING a (IN.)	SPACING 2 x c (IN.)	LENGTH L (IN.)
7.0	#5	7.5	3 TO 4	15	50
7.5	#5	7.0	3 TO 4	14	50
8.0	#6	10.0	3 TO 4	20	50
8.5	#6	9.5	3 TO 4	19	50
9.0	#6	9.0	3 TO 4	18	50
9.5	#6	8.5	3 TO 4	17	50
10.0	#6	8.0	3 TO 4	16	50
10.5	#6	7.5	3 TO 4	15	50
11.0	#6	7.0	3 TO 4	14	50
11.5	#6	6.75	3 TO 4	13.5	50
12.0	#6	6.50	3 TO 4	13	50
12.5	#6	6.25	3 TO 4	12.5	50
13.0	#6	6.0	3 TO 4	12	50



TRANSVERSE EXPANSION JOINT DETAIL
AT BRIDGE APPROACH

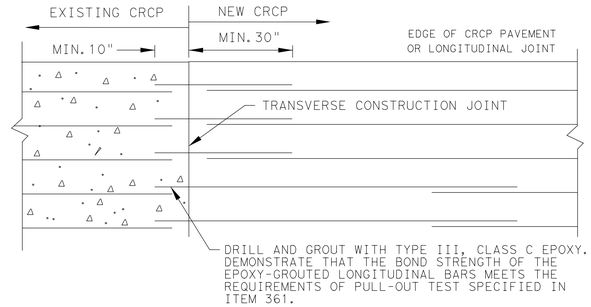


FREE LONGITUDINAL JOINT DETAIL

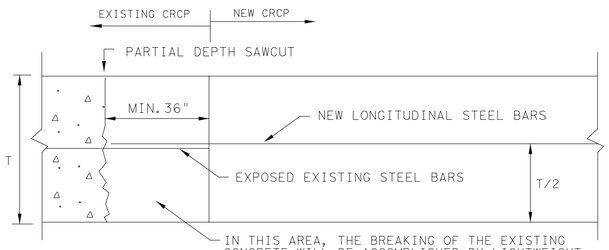


STAGGER THE LAP LOCATIONS SO THAT NO MORE THAN 1/3 OF THE LONGITUDINAL STEEL IS SPLICED IN ANY GIVEN 12-FT. WIDTH AND 2-FT. LENGTH OF THE PAVEMENT. ANY OTHER LAP CONFIGURATION MEETING THIS REQUIREMENT WILL BE ALLOWED.

EXAMPLES OF LAP CONFIGURATION
PLAN VIEW (NOT TO SCALE)

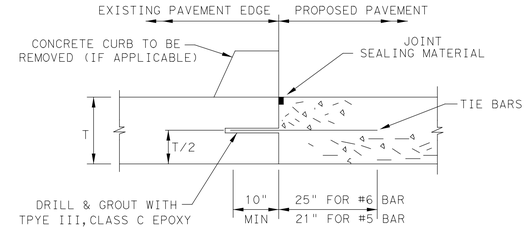


OPTION A: DRILL AND EPOXY
PLAN VIEW (NOT TO SCALE)



OPTION B: BREAKBACK AND LAP

TRANSVERSE TIE JOINT DETAIL
EXISTING CRCP TO NEW CRCP



1. BEFORE WIDENING WORK, DEMONSTRATE THAT THE BOND STRENGTH OF THE EPOXY-GROUTED TIE BARS MEETS THE REQUIRMENTS OF PULL-OUT TEST SPECIFIED IN ITEM 361.
2. SPACE TIE BARS AT 24" SPACING. USE #6 TIE BARS FOR 8" AND THICKER SLABS, USE #5 TIE BARS FOR LESS THAN 8" THICK SLABS.

LONGITUDINAL WIDENING JOINT DETAIL

SHEET 2 OF 2

Texas Department of Transportation — Design Division Standard

CONTINUOUSLY REINFORCED CONCRETE PAVEMENT

ONE LAYER STEEL BAR PLACEMENT
T - 7 to 13 INCHES

CRCP(1)-13

FILE: crcp113.dgn	DN: TxDOT	CK: AN	DW: HC/VP	CK: RM
©TxDOT October 2013	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK 1
Square Cut on conc. walk at NE corner of Dell Garden Ave. and Garden View Ave.
ELEV = 482.27

BENCHMARK 2
Std. WDBM in storm sewer inlet NW corner of Buckner Blvd. and Dell Garden Dr.
ELEV = 482.79

BENCHMARK 3
Std. WDBM in storm sewer inlet NW corner of Buckner Blvd. and Rosemont Rd.
ELEV = 475.89

BENCHMARK 4
Std. WDBM in concrete curb south end island centerline of Buckner Blvd. and north side of T.& N.O Railroad crossing.
ELEV = 456.70

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
(47-50)-37W
WASTEWATER
(47-50)-37S

STATE OF TEXAS
STEPHEN J. HARROX
48699
REGISTERED
PROFESSIONAL ENGINEER
04/06/2016

AZ&B ARREDONDO, ZEPEDA & BRUNZ, LLC.
11355 McCREE ROAD - DALLAS, TEXAS 75238
(214) 341-9900
TBPE FIRM REG# F-10098

PID: 766 | CONTRACT NO. 16-155/156

WATER & WASTEWATER REPLACEMENT

BUCKNER BLVD. (LOOP 12)

C.F. HAWN FRWY. (US 175) to DELL GARDEN AVE.

DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
SLH	SC	APR. 2016	685W	0367	68

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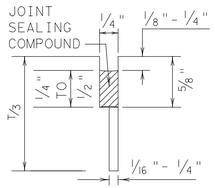
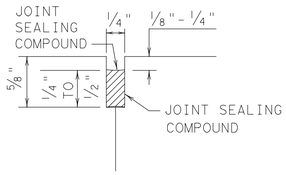
DATE:
FILE:

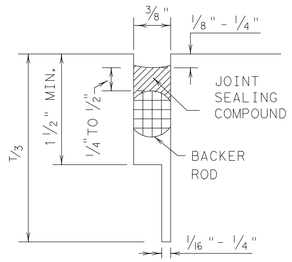
METHOD B: JOINT SEALING COMPOUND



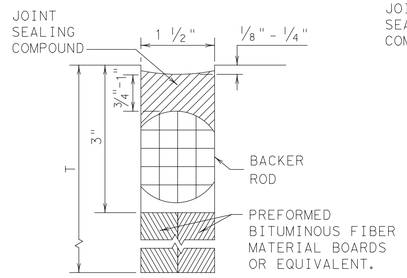
LONGITUDINAL SAWED CONTRACTION JOINT



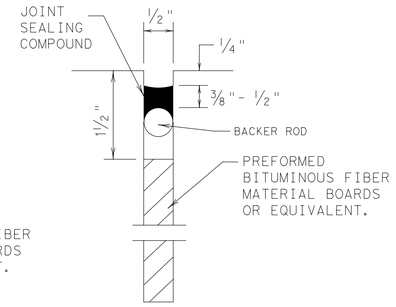
LONGITUDINAL OR TRANSVERSE CONSTRUCTION JOINT



TRANSVERSE SAWED CONTRACTION JOINT

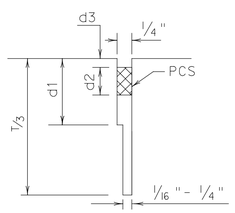


TRANSVERSE FORMED EXPANSION JOINT

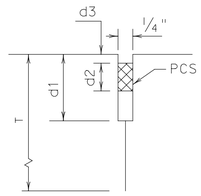


FORMED ISOLATION JOINT

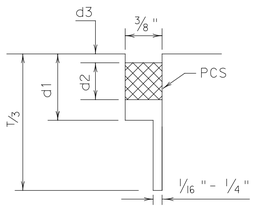
METHOD A: PREFORMED COMPRESSION SEALS (PCS)(DMS-6310 CLASS 6)



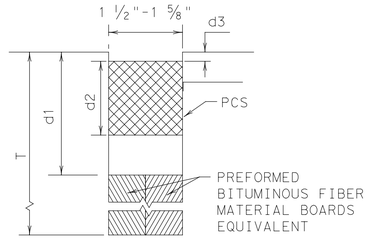
LONGITUDINAL SAWED CONTRACTION JOINT



LONGITUDINAL CONSTRUCTION JOINT



TRANSVERSE SAWED CONTRACTION JOINT



TRANSVERSE FORMED EXPANSION JOINT

GENERAL NOTES

1. UNLESS OTHERWISE SHOWN IN THE PLANS, EITHER METHOD "A" OR METHOD "B" MAY BE USED.
2. THE LOCATION OF JOINTS SHALL BE AS SHOWN ELSEWHERE IN THE PLANS.
3. THE JOINT RESERVOIR FOR SEALANT OR PCS SHALL BE SAWED UNLESS OTHERWISE SHOWN ON THE PLANS FOR THE LONGITUDINAL AND TRANSVERSE CONSTRUCTION JOINTS AND THE SAWED JOINTS.
4. DIMENSIONS d1, d2, AND d3 SHOWN IN METHOD A SHALL BE IN ACCORDANCE WITH THE PREFORMED COMPRESSION SEAL MANUFACTURER'S RECOMMENDATION.
5. REFER TO DMS-6310 "JOINT SEALANTS AND FILLERS" FOR THE CLASSIFICATIONS.
6. FOR SAWED LONGITUDINAL JOINT, LONGITUDINAL OR TRANSVERSE CONSTRUCTION JOINT, USE JOINT SEALANT CLASS 5 OR 8 UNLESS OTHERWISE SHOWN ON THE PLAN OR APPROVED.
7. FOR TRANSVERSE SAWED CONTRACTION, TRANSVERSE FORMED EXPANSION JOINT, AND ISOLATION JOINT USE JOINT SEALANT CLASS 5 OR 8 AT NEW JOINTS. USE JOINT SEALANT CLASS 4,5,7,OR 8 FOR MAINTAINING EXISTING JOINTS.
8. THE JOINTS SHALL BE CLEANED IN ACCORDANCE WITH THE ITEM 438 "CLEANING AND SEALING JOINTS" OR ITEM 713 "CLEANING AND SEALING JOINTS AND CRACKS (CONCRETE PAVEMENT)".
9. ISOLATION JOINTS ACCOMMODATE HORIZONTAL AND VERTICAL MOVEMENTS THAT OCCUR BETWEEN A PAVEMENT AND A STRUCTURE. ISOLATION JOINTS MAY BE USED FOR BRIDGE ABUTMENTS, INTERSECTIONS, CURB AND GUTTER, OLD AND NEW PAVEMENTS, OR AROUND DRAINAGE INLETS, MANHOLES, FOOTINGS AND LIGHTING STRUCTURES.

Texas Department of Transportation | Design Division Standard

CONCRETE PAVING DETAILS

JOINT SEALS

JS-14

FILE: js14.dgn	DN: TxDOT	DW: HC	CK: AN	
©TxDOT: DECEMBER 2014	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

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0' 6' 12'

REFERENCES

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WASTEWATER	(47-50)-37S

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WATER & WASTEWATER REPLACEMENT

BUCKNER BLVD. (LOOP 12)

C.F. HAWN FRWY. (US 175) to DELL GARDEN AVE.

DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
SLH	SC	APR. 2016	685W	0367	69

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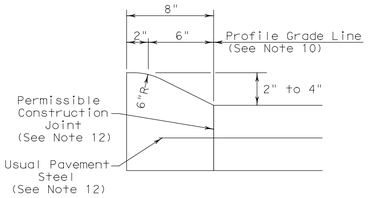
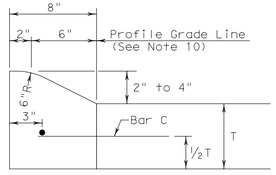


TYPE I CURB (MONOLITHIC)
2" - 4" HEIGHT



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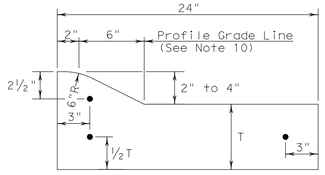
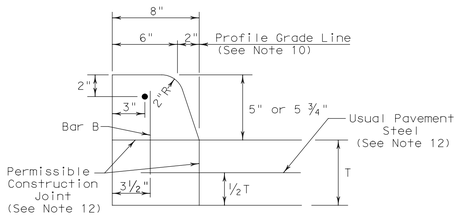
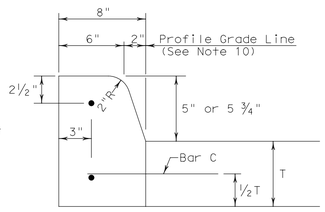
2" - 4" HEIGHT



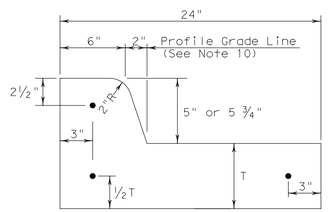
TYPE I CURB AND GUTTER
2" - 4" HEIGHT



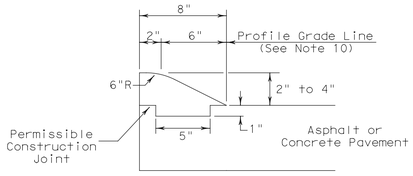
TYPE II CURB (MONOLITHIC)
5" - 5 ¾" HEIGHT



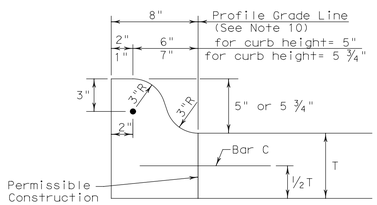
TYPE II CURB
5" - 5 ¾" HEIGHT



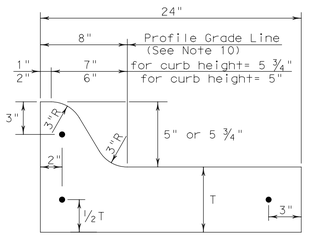
TYPE II CURB AND GUTTER
5" - 5 ¾" HEIGHT



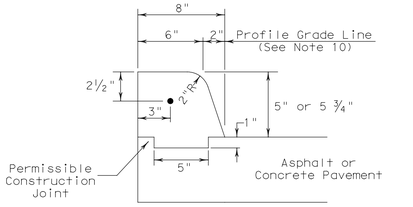
TYPE III CURB (KEYED)
2" - 4" HEIGHT



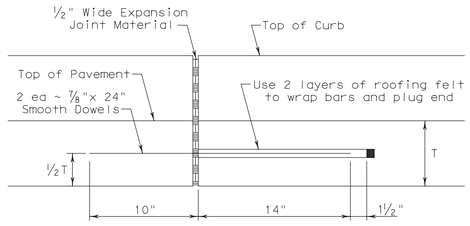
TYPE IIa CURB
5" - 5 ¾" HEIGHT



TYPE IIa CURB AND GUTTER
5" - 5 ¾" HEIGHT

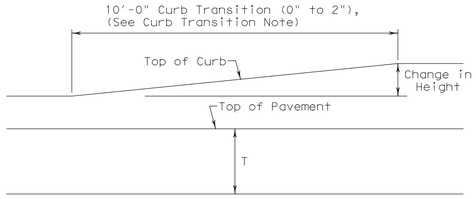


TYPE IV CURB (KEYED)
5" - 5 ¾" HEIGHT



EXPANSION JOINT DETAIL

Curb Transition Note:
Field conditions may require a longer or shorter transition, and shall be shown elsewhere in the plans, or as directed by the Engineer.



CURB TRANSITION
Note: To be paid for as Highest Curb



BAR B

BAR C

General Notes

1. All materials and construction shall be in accordance with Item 529, "Concrete Curb, Gutter, and Combined Curb and Gutter."
2. Concrete shall be Class A.
3. When reinforcing bars are used, they shall be No. 4 unless otherwise shown. The use of synthetic fiber in lieu of steel reinforcing is acceptable, provided the fiber producer is on the Department Producer List (MPL), maintained by TxDOT, Construction Division.
4. Round exposed sharp edges with a rounding tool, to a minimum radius of ¼ inch.
5. All existing curbs and driveways to be removed shall be sawed or removed at existing joints.
6. Where concrete curb is placed on existing concrete pavement, the pavement shall be drilled and the reinforcing bars grouted in place.
7. Expansion and contraction joints shall be constructed to match pavement joints in all curbs and curb and gutter adjacent to jointed concrete pavement. Where placement of curb or curb and gutter is not adjacent to concrete pavement, expansion joints shall be provided at structures, curb returns at streets, and at locations directed by The Engineer.
8. Vertical and horizontal dowel bars and transverse reinforcing bars shall be placed at four feet C~C.
9. Dimension 'T' shown is the thickness of concrete pavement. When curb is installed adjacent to flexible pavement dimension 'T' is 8" maximum.
10. Usual profile grade line. Refer to typical sections and plan-profile sheets for exact locations.
11. One-half inch expansion joint material shall be provided where curb or curb and gutter is adjacent to sidewalk or riprap.
12. When vertical permissible construction joints are used, resulting in a longitudinal construction joint in the pavement, the longitudinal pavement steel shall be placed in accordance with pavement details shown elsewhere in the plans for longitudinal construction joints. Reinforcing steel for curb section shall then conform to that required for concrete curb.

Texas Department of Transportation — Design Division Standard

CONCRETE CURB AND CURB AND GUTTER

CCCG-12

FILE: cccg12.dgn	DN: TxDOT	CK: AM	DW: VP	CK: ____
©TxDOT: 1995	CONT	SECT	JOB	HIGHWAY
REVISIONS UPDATED 2012 - VP				
	DIST	COUNTY		SHEET NO.

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

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Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER (47-50)-37W
WASTEWATER (47-50)-37S

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04/06/2016

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CITY OF DALLAS, TEXAS

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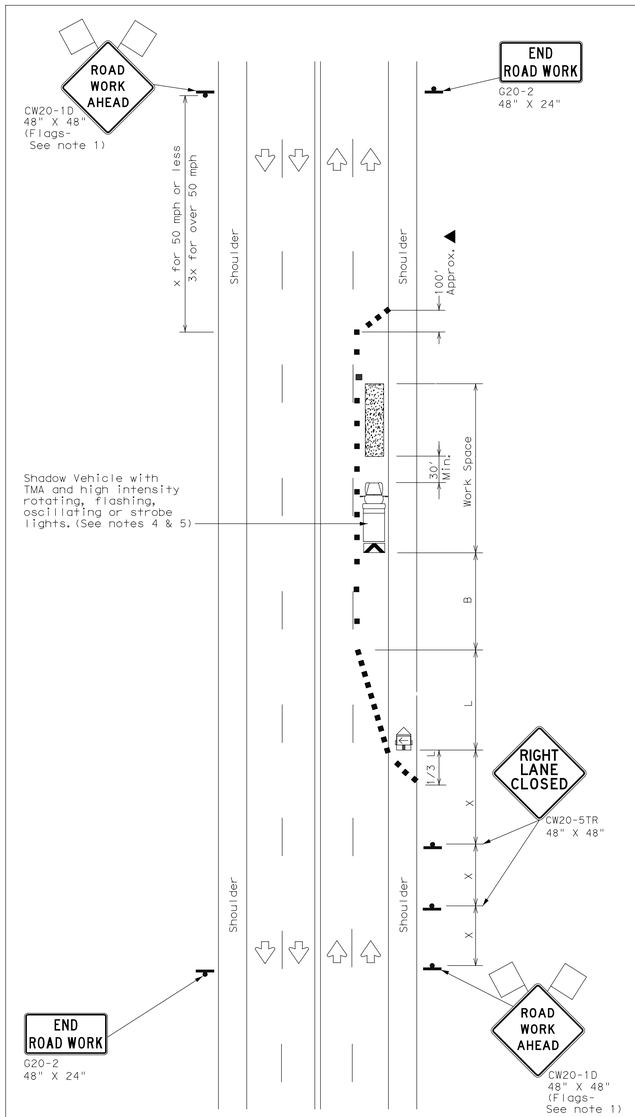
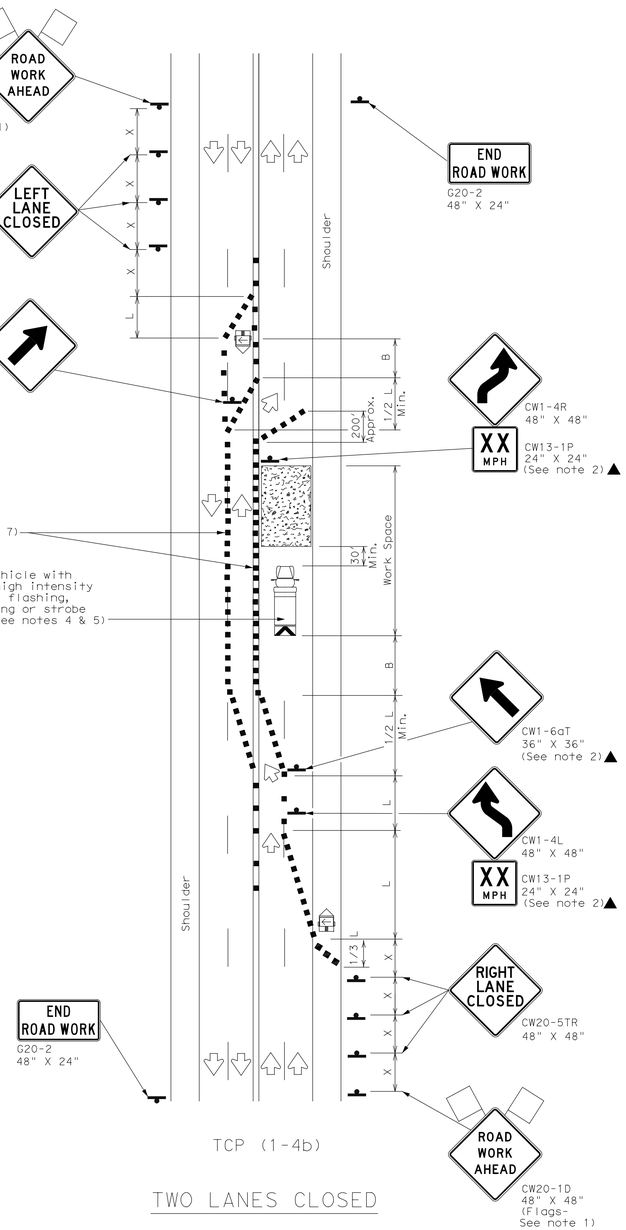


TCP (1-4a)

ONE LANE CLOSED



TCP (1-4b)

TWO LANES CLOSED

LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board	M	Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed *	Formula	Minimum Desirable Taper Lengths ** 10' Offset	11' Offset	12' Offset	Suggested Maximum Spacing of Channelizing Devices: On a Taper	On a Tangent	Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"
30	$L=\frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45	L=WS	450'	495'	540'	45'	90'	320'	195'
50		500'	550'	600'	50'	100'	400'	240'
55		550'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	410'
70		700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	75'	150'	900'	540'

* Conventional Roads Only
** Taper lengths have been rounded off.
L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
	✓	✓		

GENERAL NOTES

1. Flags attached to signs where shown are REQUIRED.
2. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
3. The CW20-1D "ROAD WORK AHEAD" sign may be repeated if the visibility of the work zone is less than 1500 feet.
4. A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
5. Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.

TCP (1-4a)

6. If this TCP is used for a left lane closure , CW20-5TL "LEFT LANE CLOSED" signs shall be used and channelizing devices shall be placed on the centerline where needed to protect the work space from opposing traffic with the arrow panel placed in the closed lane near the end of the merging taper.

TCP (1-4b)

7. Where traffic is directed over a yellow centerline, channelizing devices which separate two-way traffic should be spaced on tapers at 20' or 15' if posted speeds are 35 mph or slower, and for tangent sections, at 1/2S where S is the speed in mph. This tighter device spacing is intended for the areas of conflicting markings, not the entire work zone.

For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.

Texas Department of Transportation
Traffic Operations Division

TRAFFIC CONTROL PLAN LANE CLOSURES ON MULTILANE CONVENTIONAL ROADS

TCP(1-4)-12

©TxDOT December 1985

DN: TXDOT	CK: TXDOT	DW: TXDOT	CK: TXDOT
CONT	SECT	JOB	HIGHWAY
DIST	COUNTY		SHEET NO.

REVISIONS
2-94 2-12
8-95
1-97
4-98
154

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK 1
Square Cut on conc. walk at NE corner of Dell Garden Ave. and Garden View Ave.
ELEV = 482.27

BENCHMARK 2
Std. WDBM in storm sewer inlet NW corner of Buckner Blvd. and Dell Garden Dr.
ELEV = 482.79

BENCHMARK 3
Std. WDBM in storm sewer inlet NW corner of Buckner Blvd. and Rosemont Rd.
ELEV = 475.89

BENCHMARK 4
Std. WDBM in concrete curb south end island centerline of Buckner Blvd. and north side of T.& N.O Railroad crossing.
ELEV = 456.70

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER (47-50)-37W
WASTEWATER (47-50)-37S

STATE OF TEXAS
STEPHEN L. HARDY
48699
REGISTERED
PROFESSIONAL ENGINEER
04/06/2016

ARREDONDO, ZEPEDA & BRUNZ, LLC.
1355 McCREE ROAD - DALLAS, TEXAS 75238
(214) 341-9900
TBPE FIRM REG# F-10098

PID:766 | CONTRACT NO. 16-155/156

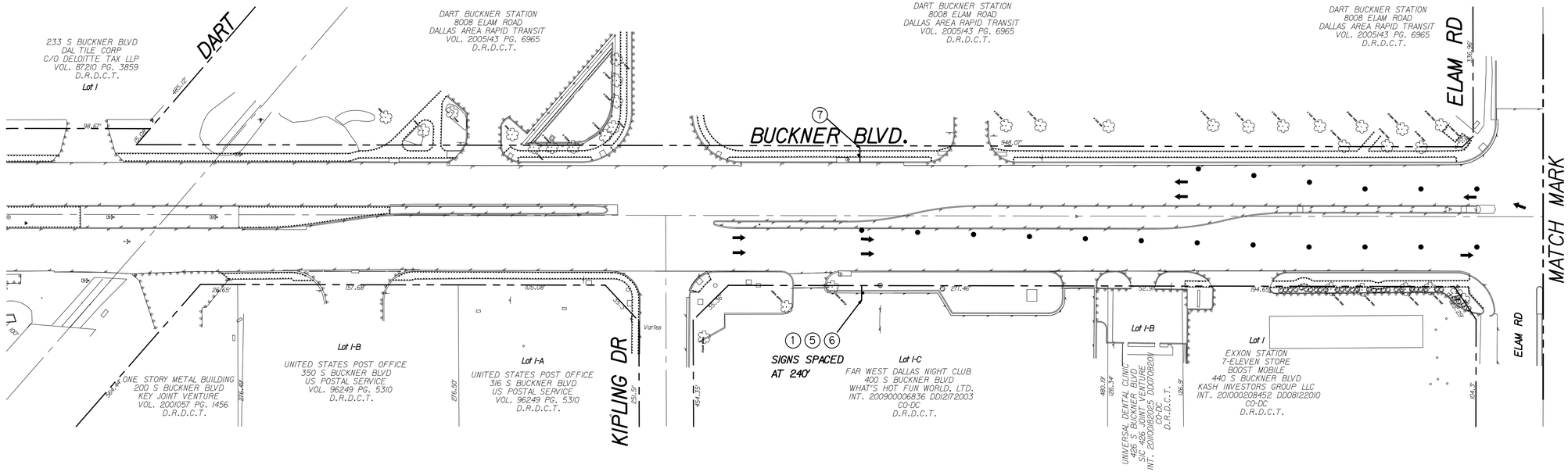
WATER & WASTEWATER REPLACEMENT

BUCKNER BLVD. (LOOP 12)

C.F. HAWN FRWY. (US 175) to DELL GARDEN AVE.

DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
SLH	SC	APR. 2016	685W	0367	71



LEGEND

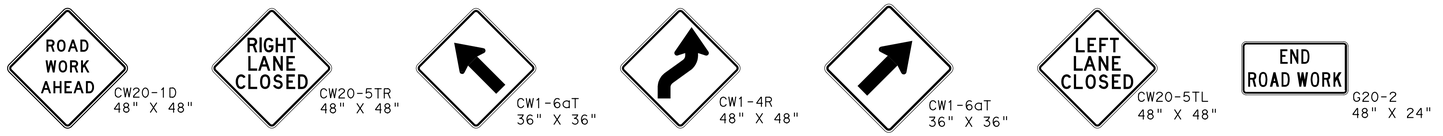
- TRAFFIC BARREL - 40 FT SPACING
- VERTICAL PANEL - 20 FT SPACING
- SIGN
- TRAFFIC DIRECTION

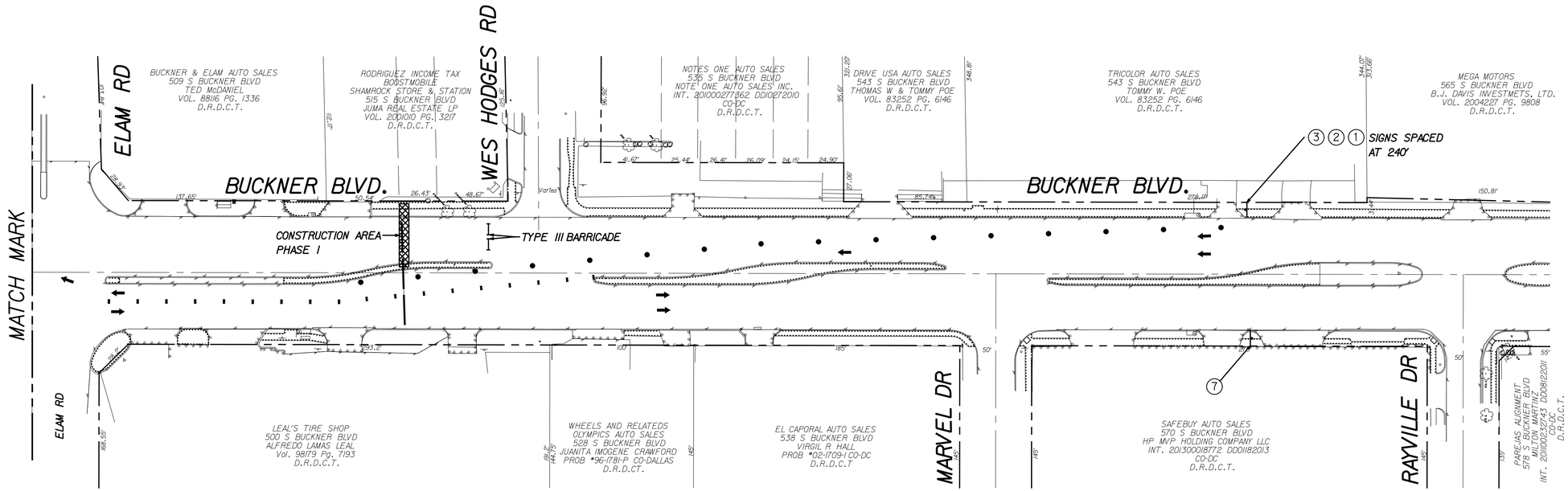
NOTES PHASE I:

1. PLACE SIGNS AND BARRICADES
2. PLACE THE SIGNALS TO FLASHING ALL RED AT THE INTERSECTION OF S BUCKNER BLVD AND ELAM RD.
3. DETOUR NORTHBOUND TRAFFIC ONTO SOUTHBOUND LANES.
4. HAVE DALLAS POLICE DEPARTMENT DIRECTING TRAFFIC AT INTERSECTION.

THIS TCP IS FOR CONSTRUCTION AT NIGHT TIME ONLY

CONTRACTOR SHALL HIRE OFF DUTY POLICE OFFICERS TO DIRECT TRAFFIC AT INTERSECTION





Horizontal Scale: 1" = 40'
0' 40' 80'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER (47-50)-37W
WASTEWATER (47-50)-37S

STATE OF TEXAS
STEPHEN L. HARDY
86995
REGISTERED
PROFESSIONAL ENGINEER
3/4/06/2016

A&B ARREDONDO, ZEPEDA & BRUNZ, LLC.
11355 McCREE ROAD - DALLAS, TEXAS 75238
(214) 341-5900 TBPE FIRM REG# F-10098

PID: 766 CONTRACT NO. 16-155/156

WATER & WASTEWATER REPLACEMENT

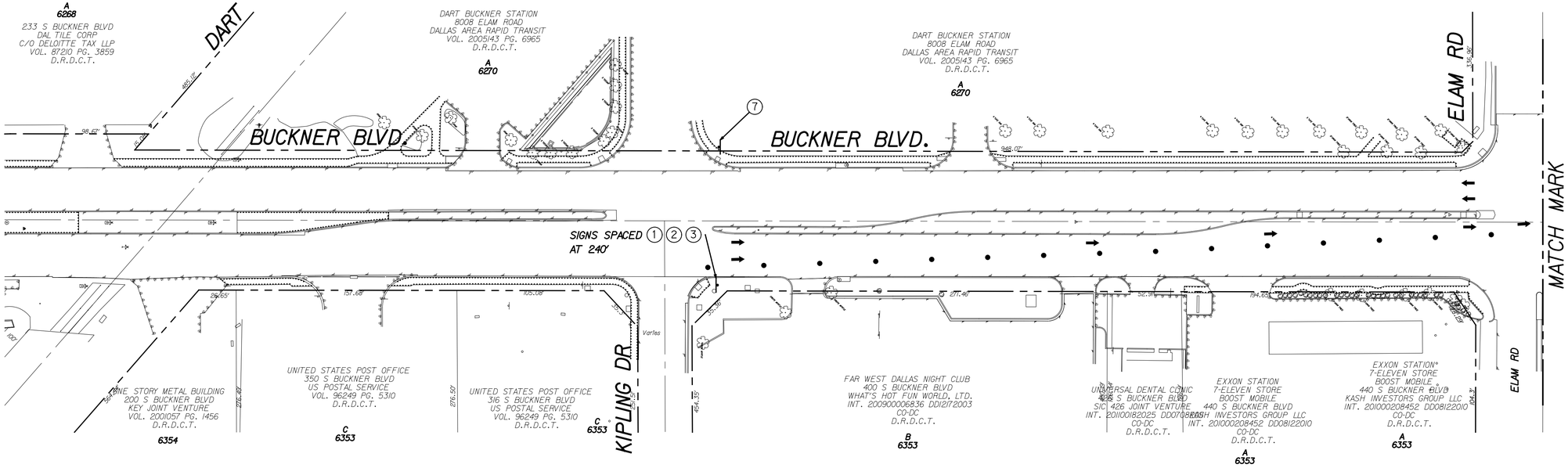
BUCKNER BLVD. (LOOP 12)

C.F. HAWN FRWY. (US 175) to DELL GARDEN AVE.

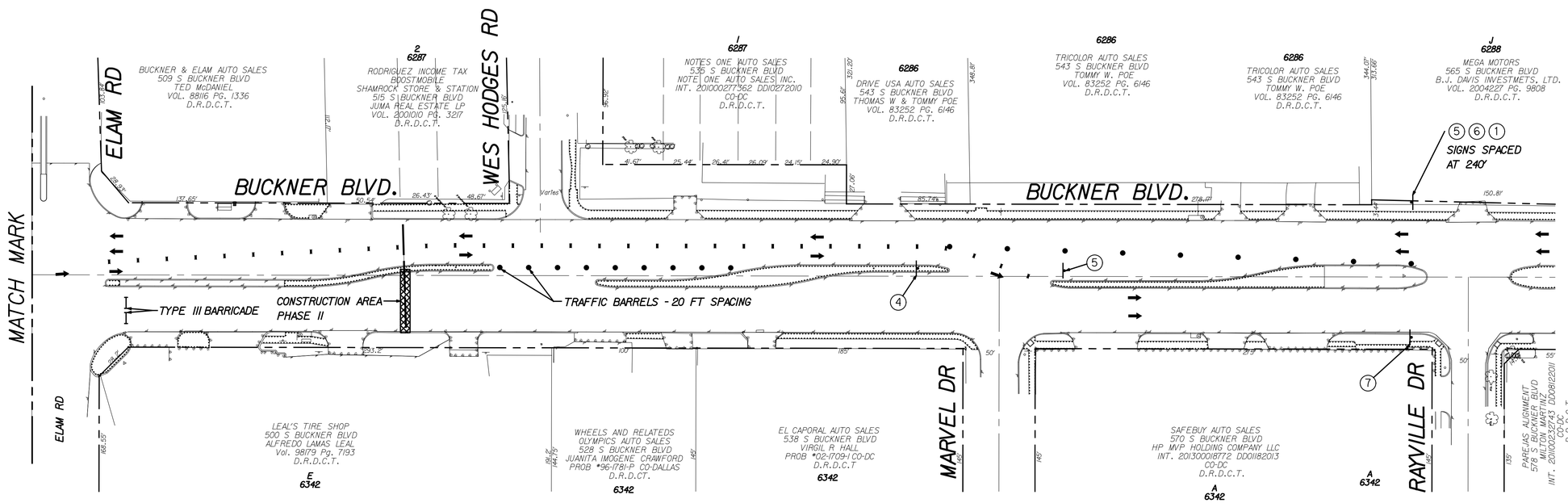
DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
SLH	SC	MAR. 2016	685W	0367	72



ROAD WORK AHEAD	CW20-1D 48" X 48"	①
RIGHT LANE CLOSED	CW20-5TR 48" X 48"	②
	CW1-6aT 36" X 36"	③
	CW1-4R 48" X 48"	④
	CW1-6aT 36" X 36"	⑤
LEFT LANE CLOSED	CW20-5TL 48" X 48"	⑥
END ROAD WORK	G20-2 48" X 24"	⑦



Horizontal Scale: 1" = 40'
0' 40' 80'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER (47-50)-37W
WASTEWATER (47-50)-37S

STATE OF TEXAS
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04/06/2016

ARREDONDO, ZEPEDA & BRUNZ, LLC.
11355 McCREE ROAD - DALLAS, TEXAS 75238
(214) 341-9900 TBPE FIRM REG# F-10098

PID: 766 CONTRACT NO. 16-155/156

WATER & WASTEWATER REPLACEMENT

BUCKNER BLVD. (LOOP 12)

C.F. HAWN FRWY. (US 175) to DELL GARDEN AVE.

DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
SLH	SC	MAR. 2016	685W	0367	73

INSTALL 443 L.F. 8" PVC WATER MAIN
AWWA C900 CLASS 305 (DR-14)
Class "C" Embedment
4.0' Minimum Cover
(No Profile)

Kill Ex. 4" Water
Built In 1963

STA 0+00.00 ~ 8" WATER
STA 2+37.58 ~ 12" WATER PID 4953
N 7012994.50
E 2489385.81
Connect to Prop. 12" Water
Refer to PID 4953

STA 4+32.34
N 7013007.72
E 2489817.47
Install:
1-8" 11.25° Horz. Bend

STA 4+05.49
N 7013001.99
E 2489791.23
Install:
1-8" 11.25° Horz. Bend

MATCH MARK 4+50 PROP. W.W.
MATCH MARK 4+42.67 PROP. WATER
SEE 4110 - 1325 SH 150

PID 4953

12" WATER

16" WW

Ex. 10" W.W. 4110 1325 Sht6

Ex. 8" ECI Water FB0004 P.09

Ex. 4" CI Water FB306 P.31

Ex. 33" RCP 4210-522 P.20

CUT & PLUG EX. 4" WATER

STA 0+62.95
N 7012995.66
E 2489448.75
Install:
1-8" G.Valve

16" Oak
Electrical Outlet
4" Crape Myrtle
Irrigation Control Valve
Sign
Gas Mh
Concr. S/W
Ex. Asphalt Pavem.
Brushline
Ex. Chainlink Fence
Guy x2
Gas Valve
Gas Meter
Pedestal Ut.
Telephone Pedestal
Overhead Ut. Lines
Ex. Concrete Pavement
Ex. Wood Fence
Ex. Building Overhang
Storm MH x2
Bollard
GM x2
WM x4
WM x2
CP *12
CP *2
8" WATER
12" WW
PID 4954
Ex. 10" W.W. 4110 1325 Sht7
2" GAS
PP/Riser
16" Hack
12" Hack
18" Pecan
12" Elm
Bollard x6
4.2'
2.2'
4.3'

PRESTON ROAD
100' ROW

BLK 4/5499

LOT 1
6007 ORCHID LN
REYNA FELIPE O
INST: 20080229464

LOT 2
6015 ORCHID LN
LABARBA LUCIAN M & LESLIE
VOL. 98250 PG. 960

LOT 3
6023 ORCHID LN
DIFRANCESCO JOSEPH M III & MARGARET M
INST: 20120016043

LOT 4
6031 ORCHID LN
SARDAS JACQUES R
VOL. 97177 PG. 4771

BLK 2/5499

LOT 2BB
5934 LAKEHURST AVE
BRODRICK JOHN
INST: 20120005218

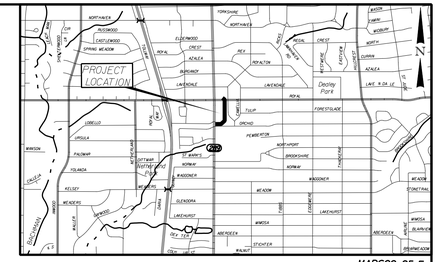
STA 0+00.00 ~ 16" W.W. PID 4953
STA 4+50.36 ~ 16" W.W. PID 4953
STA 0+00.00 ~ 12" W.W. PID 4954
N 7012989.40
E 2489380.88
Prop. 4.0' Dia. W.W. Manhole
Construct:
Connect Prop. 16" Out (S)
Connect Prop. 16" In (N)
Connect Prop. 12" In (E)

Exist. WWMH to Be Removed
NO SEPARATE PAY ITEM

STA 4+26.25 ~ 12" W.W. PID 4954
N 7012998.04
E 2489807.04
Construct:
1- 4' Dia. W.W. Manhole
Connect Prop. 12" In (NE)
Connect Prop. 12" Out (W)

CONSTRUCT 12" WASTEWATER MAIN
Along Same Horizontal Alignment
as 10" WW

N



INSTALL 450 L.F. 8" PVC WATER MAIN
AWWA C900 CLASS 305 (DR-14)
Class "C" Embedment
4.0' Minimum Cover
(No Profile)

K111 Ex. 4" Water
Built In 1963

MATCH MARK 4+50 PROP.W.W.
MATCH MARK 4+42.67 PROP.WATER
SEE 4110 - 1325 SH 149

MATCH MARK 9+00 PROP.W.W.
MATCH MARK 8+90.64 PROP.W.W.
SEE 4110 - 1325 SH 151

STA 4+57.24
N 7013017.67
E 2489840.29
Install:
1-8" 11.25° Horz.Bend

STA 4+80.76
N 7013031.09
E 2489859.60
Install:
1-8" 11.25° Horz.Bend

STA 5+82.00
N 7013103.98
E 2489929.85
Install:
1-8" x 6" Tee
1-6" G.Valve
Connect to Ex.6"

STA 6+41.65
N 7013146.94
E 2489971.25
Install:
1 - 8" G.Valve

STA 7+29.86
N 7013210.45
E 2490032.46
Install:
1-8" 11.25° Horz.Bend

STA 7+55.38
N 7013231.93
E 2490046.24
Install:
1-8" 22.5° Horz.Bend

STA 7+76.51
N 7013251.60
E 2490053.96
Install:
1-8" 11.25° Horz.Bend

STA 8+03.98
N 7013278.64
E 2490058.82
Install:
1-8" 11.25° Horz.Bend

STA 4+78.16
N 7013019.73
E 2489854.20
Construct:
1- 4' Dia.W.W.Manhole
Connect Prop.12" In (NE)
Connect Prop.12" Out (SW)

STA 7+35.51
N 7013204.75
E 2490033.08
Construct:
1- 4' Dia.W.W.Manhole
Connect Prop.12" In (NE)
Connect Prop.12" Out (SW)

STA 7+78.29
N 7013240.89
E 2490055.97
Construct:
1- 4' Dia.W.W.Manhole
Connect Prop.12" In (NE)
Connect Prop.12" Out (SW)

STA 8+24.03
N 7013285.91
E 2490064.05
Construct:
1- 4' Dia.W.W.Manhole
Connect Prop.12" In (N)
Connect Prop.12" Out (SW)

8" WATER
Ex.4" C1Water FB420 P.3

PID 4954

12" WW
Ex.10" W.W. 4110 1325 SH7

Ex.4" C1Water FB420 P.3

Ex.10" W.W. 4110 1325 SH7

CP #11

CP #10

CP #3

Ex.Wood Fence

Ex.Concrete Pavement

Ex.Wrought Iron Fence

Ex.Chain Link Fence

Ex.Metal Fence

Ex.Brick Wall

Ex.Stone Wall

Ex.Curb

Ex.Edge of Pavement

Ex.Gravel Drive

Ex.Asphalt Drive

Ex.Concrete Drive

Ex.Concrete Sidewalk

Ex.Asphalt Sidewalk

Ex.Concrete Valley Gutter

Ex.Asphalt Valley Gutter

Ex.Concrete Flume

Ex.Asphalt Flume

Ex.Concrete Median

Ex.Asphalt Median

Ex.Concrete Curb Inlet

Ex.Concrete Drop Inlet

Ex.Concrete Headwall

Ex.Concrete Wingwall

Ex.Concrete Culvert

Ex.Concrete Box Culvert

Ex.Concrete Retaining Wall

Ex.Concrete Steps

Ex.Concrete Ramp

Ex.Concrete Pad

Ex.Concrete Slab

Ex.Concrete Foundation

Ex.Concrete Footing

Ex.Concrete Pier

Ex.Concrete Beam

Ex.Concrete Column

Ex.Concrete Wall

Ex.Concrete Floor

Ex.Concrete Roof

Ex.Concrete Ceiling

Ex.Concrete Stairs

Ex.Concrete Landing

INSTALL 300 L.F. 8" PVC WATER MAIN
AWWA C900 CLASS 305 (DR-14)
Class "C" Embedment
4.0' Minimum Cover
(No Profile)

SEE 4110 - 1325 SH 150
MATCH MARK 8+90.64 PROP. WATER
MATCH MARK 9+00 PROP. W.W.

BLK 2/5499

LOT 2BB
5934 LAKEHURST AVE
BRODRICK JOHN
INST: 20120005218

Ex. Building

Ballard EM Ballard

CP #9

8" WATER

Ex. 10" W.W. 4110 1325 Sh7

12" WW

Ex. Wood Fence

Ex. Chainlink Fence

6" Hack x2

12" Hack

4" Hack

Ex. 8" W.W. 4110 1325 Sh7

LOT 4
10751 CAMELLIA DR
HART DAVID
INST: 20060034800

LOT 5
10759 CAMELLIA DR
SCARBOROUGH GARY WAYNE
INST: 20050536107

LOT 6
10767 CAMELLIA DR
SWIATKOWSKI RAYMOND L
VOL. 93132 PG. 6360

STA 9+53.98
N 7013415.84
E 2490062.25
Remove Ex. 4.0' Dia. W.W. Manhole
Construct:
1- 4' Dia. W.W. Manhole
Connect Prop. 12" In (N)
Connect Prop. 12" Out (S)
Connect Ex. 10" In (E)

CONSTRUCT 12" WASTEWATER MAIN
By Other Than Open Cut

CONSTRUCT 12" WASTEWATER MAIN
Along Same Alignment as Exist. 10" WW

STA 11+46.40 (Begin)
Sta. 11+91.37 (End)
Install:
45 LF of 8" Dia. Water Main
B.O.T.O.C.

STA 11+91.37
N 7013665.96
E 2490051.67
Install:
1 - 12" x 8" Tapping Sleeve
1 - 8" G. Valve

BLK A/5500

10830 PRESTON RD
MILLER HENRY S & ASSOC
% HENRY S MILLER CORP

Ex. Asphalt Pavement

16" Oak

Ex. Concrete Pavement

Ex. 10" W.W. 4110 1325 Sh22

PID 4954

LOT 6
10807 CAMELLIA DR
KASSIR MARTIN
INST: 20060080037

BLK 2/5500

ROYAL LANE
60' ROW

MATCH MARK 13+50 PROP. W.W.
SEE 4110 - 1325 SH 152

PROJECT LOCATION

MAPSCO: 25-F

CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005

CAUTION
Advanced Metering Infrastructure (AMI) Meters In Area
AMI Components Shall be Disconnected, Reconnected, Removed, or Installed by DWU Personnel ONLY.
Contact DWU Meter Reading Operations (MRO) 5 working days in advance.
Tele: 214-670-5537
Email: DWUMRO@dallascityhall.com

MATCH MARK 9+00 PROP. W.W.
SEE 4110 - 1325 SH 150

MATCH MARK 13+50 PROP. W.W.
SEE 4110 - 1325 SH 152

625 / 620 / 615 / 610 / 605 / 600 / 595 / 590 / 585 / 580 / 575

Ex. Concrete Pavement

Ex. 2" GAS, 2.7' RT

Ex. 12" GAS, 4.2' RT

PROP. 8" W. 6.6' LT.

12" ON 0.85%

12" ON 1.71%

12" ON 0.20%

TOP. = 597

FL = 603.5

FL = 602.52

255 L.F. 12" PVC Wastewater Pipe
Pressure Rating 160 psi
ASTM D-2241 (SDR 26) / D-3139
Class "B-1a" Embedment

80 L.F. 12" PVC Wastewater Pipe
Pressure Rating 160 psi
ASTM D-2241 (SDR 26) / D-3139
By Other Than Open Cut (B.O.T.O.C.)

115 L.F. 12" PVC Wastewater Pipe
Pressure Rating 160 psi
ASTM D-2241 (SDR 26) / D-3139
Class "B-2a" Embedment

9 / 10 / 11 / 12 / 13

REVISIONS

REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK
Std WDBM on concrete curb of storm sewer inlet northeast corner of intersection of Preston Road and Lakehurst Avenue.
ELEV = 590.64

CP #8
X-cut Set in concrete west of address #10807 Camellia Drive and +/- 51' northwest of power pole.
N: 7013748.158
E: 2490051.990

CP #9
X-cut Set in concrete west of address #10767 Camellia Drive and +/- 36' northwest of power pole.
N: 7013553.829
E: 2490047.083

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
17W-25, 18W-24, 18W-25
WASTEWATER
17S-25, 18S-24, 18S-25

BDS Technologies, Inc.
Texas Registered Engineering Firm F-4025

LICENSED PROFESSIONAL ENGINEER
MICHAEL G. BADNUM
83080
STATE OF TEXAS
2/12/16

BDS Technologies, Inc.
1323 Pegasus Street, Suite B-246
Dallas, Texas 75218
Texas Board of Professional Engineers Registration No. F-4025

CONTRACT NO. 16-155/156 | PID: 4954

PROP. 12" W.W. & 8" WATER MAIN

Esmt btwn Preston Rd. and Camellia Dr.
Preston Road to S. of Royalton Drive
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	FEB 2016	4110	1325	151

CONSTRUCT 12" WASTEWATER MAIN
Along Same Horizontal Alignment as Ex1st.10" WW

MATCH MARK 13+50 PROP.W.W.
SEE 4110 - 1325 SH 151

ST A 16+14.75
N 7014076.49
E 2490049.47
Construct:
1- 4' Dia.W.W.Manhole
Connect Prop.12" In (NW)
Connect Prop.12" Out (S)

10830 PRESTON RD
MILLER HENRY S & ASSOC
% HENRY S MILLER CORP

Ex.Wood Fence
Ex.Concrete Pavement
Ex.Asphalt Pavement
Ex.Building
Ex.10" Wastewater 410' 1325' SH 22'
6" Bradford Pear
28" Mulberry
12" Mulberry
Riser
Brushline
10" Shrub 4" Oak 6' Shrub 6' Hack
Ex.Wood Fence 16' Hack 6' Hack 18" Hack 12" Hack
CP *7
15" Cedar
Ex.Wood Fence
Ex.Building
12" WW
PID 4954
ROYALTON DRIVE
80' ROW

LOT 1
10853 CAMELLIA DR
ELLMAN RICHARD &
ELLMAN TIFFANEE
INST: 20130021398

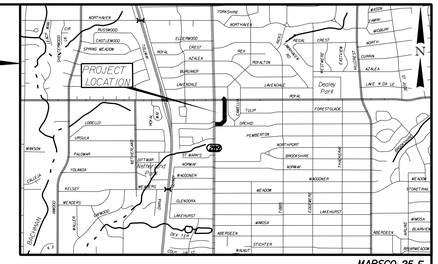
ST A 17+82.82
N 7014196.41
E 2489931.72
Remove Ex.4.0' Dia.W.W.Manhole
Construct:
1- 4' Dia.W.W.Manhole
Connect Prop.12" Out (SE)
Connect Ex.8" In (NW)
Connect Ex.10" In (NE)

LOT 5
10811 CAMELLIA DR
GROVES JENNIFER H &
SHAWN P
VOL.2004124 PG.1028

LOT 4
10823 CAMELLIA DR
TRAVIS EDWARD PAUL &
TRAVIS CYNTHIA ALLISON
INST: 20130025875Z

LOT 3
10831 CAMELLIA DR
WYSZYNSKI CHRIS E & MELISSA R
INST: 20130026809S

LOT 2
10843 CAMELLIA DR
MURRAY COLLEEN VIRGINIA
VOL.98090 PG.4281



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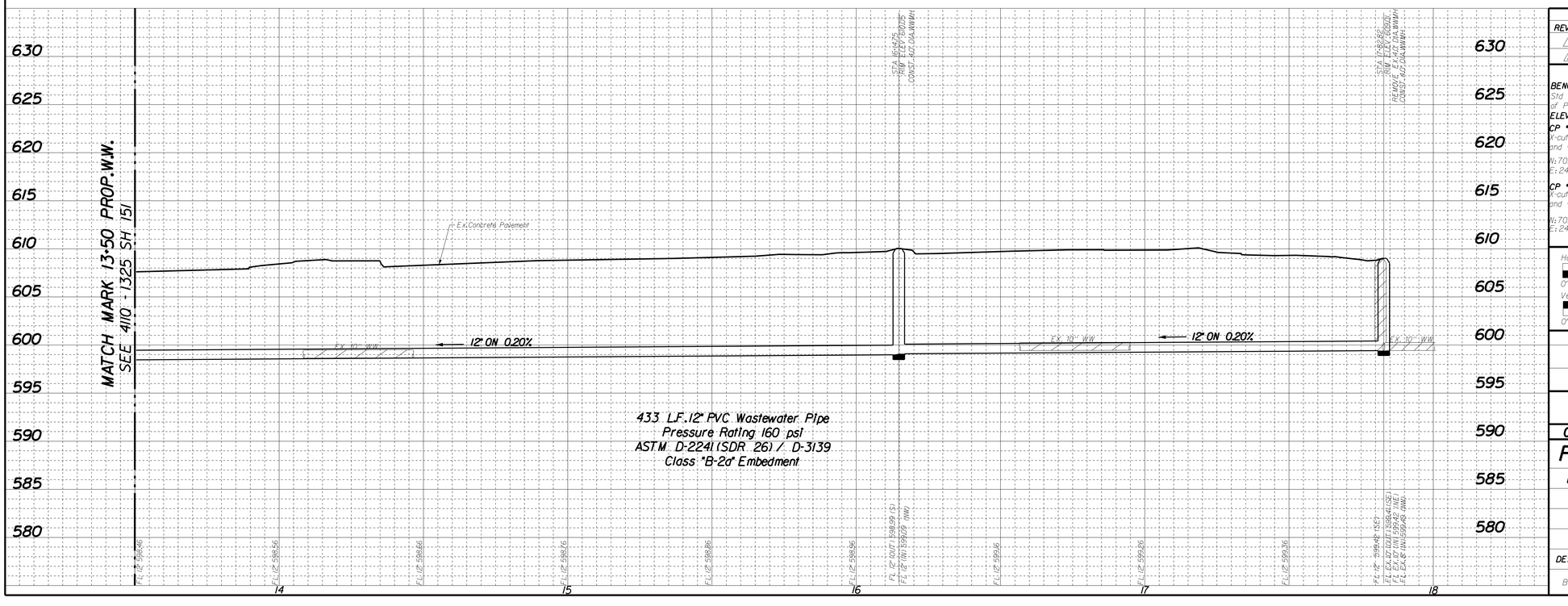
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377 / 1-800-545-6005

CAUTION
Advanced Metering Infrastructure (AMI) Meters In Area
AMI Components Shall be Disconnected, Reconnected, Removed, or Installed by DWU Personnel ONLY.
Contact DWU Meter Reading Operations
(MRO) 5 working days in advance.
Tele: 214-670-5537
Email: DWUMRO@dallascityhall.com



433 L.F. 12" PVC Wastewater Pipe
Pressure Rating 160 psi
ASTM D-2241 (SDR 26) / D-3139
Class "B-2a" Embedment

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK
Std WDBM on concrete curb of storm sewer inlet northeast corner of Intersection of Preston Road and Lakehurst Avenue.
ELEV = 590.64

CP *5
X-cut Set In concrete south at Preston Road and Royalton Drive Intersection and +/- 9' west of wastewater manhole.
N: 7014199.840
E: 2489921.697

CP *7
X-cut Set In concrete west of address *10823 Camellia Drive and +/- 39' south of power pole.
N: 7013990.944
E: 2490055.822

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
17W-25, 18W-24, 18W-25
WASTEWATER
17S-25, 18S-24, 18S-25

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025

STATE OF TEXAS
THOMAS D. BROWN
83080
REGISTERED
PROFESSIONAL ENGINEER
2/12/16

BDS Technologies, Inc.
Texas Registered Engineering Firm F-4025
Tel: 214-670-5537
Fax: 214-670-5538
Dallas, Texas 75219
Texas Board of Professional Engineers Firm Registration No. F-4025

CONTRACT NO. 16-155/156 | **PID: 4954**

PROP. 12" W.W. & 8" WATER MAIN

Esmt btwn Preston Rd. and Camellia Dr.
Preston Road to S. of Royalton Drive
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	FEB 2016	4110	1325	152

INSTALL 400 LF.8" PVC WATER MAIN
AWWA C900 CLASS 305 (DR-14)
Class "C" Embedment
4.0' Minimum Cover
(No Profile)

K111 Ex.8" Water
Built In 1949

MATCH MARK 4+21.21 PROP.WATER
MATCH MARK 4+00 PROP.W.W.
SEE 4110 - 1321 SH 104

STA 0+06.94,~ 8" Water
N 7008206.57
E 2488098.89
Install:
1- 8" G.Valve

BLK 5609

LOT 1
940 DOUGLAS AVE
SHEARITH ISRAEL CONGREGATION
VOL.3110 PG.553

DOUGLAS AVE.
50' ROW

WALNUT HILL LN.
VARIABLE WIDTH ROW

Ex.8" PVC Water 4110-135
Ex.24" PVC Wastewater 4110-1321 Sh.7 & 12
Ex.16" CI Water FB.17 P.38

STA 0+00.00,~ 8" Water
N 7008213.51
E 2488098.87
Install:
1- 8" 45° Horz.Bend
1- 8" Tee
Connect to Prop.8" Water

Ex.8" CJ Water 4110-1321 P.063

8" WATER

12" WW

PID 4956

Ex.8" Wastewater 4110 1321 Sh.9

Ex.12" WW 4110 1321

Ex.30" RCP Storm Sewer 4210 1604 Sh.7

Ex.Asphalt Pavement

Ex.Concrete Pavement

Ex.Gravel Pavement

Ex.Wood Fence

Ex.Chainlink Fence

Ex.Wrought Iron Fence

Ex.Gate

Ex.Building

Speed Hump

Culvert

Inlet

Sign

Bollard

Fence Column

Irrigation Control Valve

CP #1

CP #2

CP #4

CP #414

CP #415

CP #701

BM #667

PT PVI STA 5610

STA 0+20.15,~ 12" WW
N 7008173.59
E 2488104.06
Construct:
1- 4' Dia.Manhole
Connect Prop.12" In (S)
Connect Prop.12" Out (N)

CONSTRUCT 12" WASTEWATER MAIN
Along New Alignment
Remove Ex.8" WW

STA 0+00.00,~ 12" WW
N 7008193.60
E 2488101.66
Connect to
Ex.5.0' Dia.W.W.Manhole
Connect Prop.12" In (S)
Connect Ex.12" Out (NE)

CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005

CAUTION
Advanced Metering Infrastructure
(AMI) Meters In Area
AMI Components Shall be Disconnected, Reconnected,
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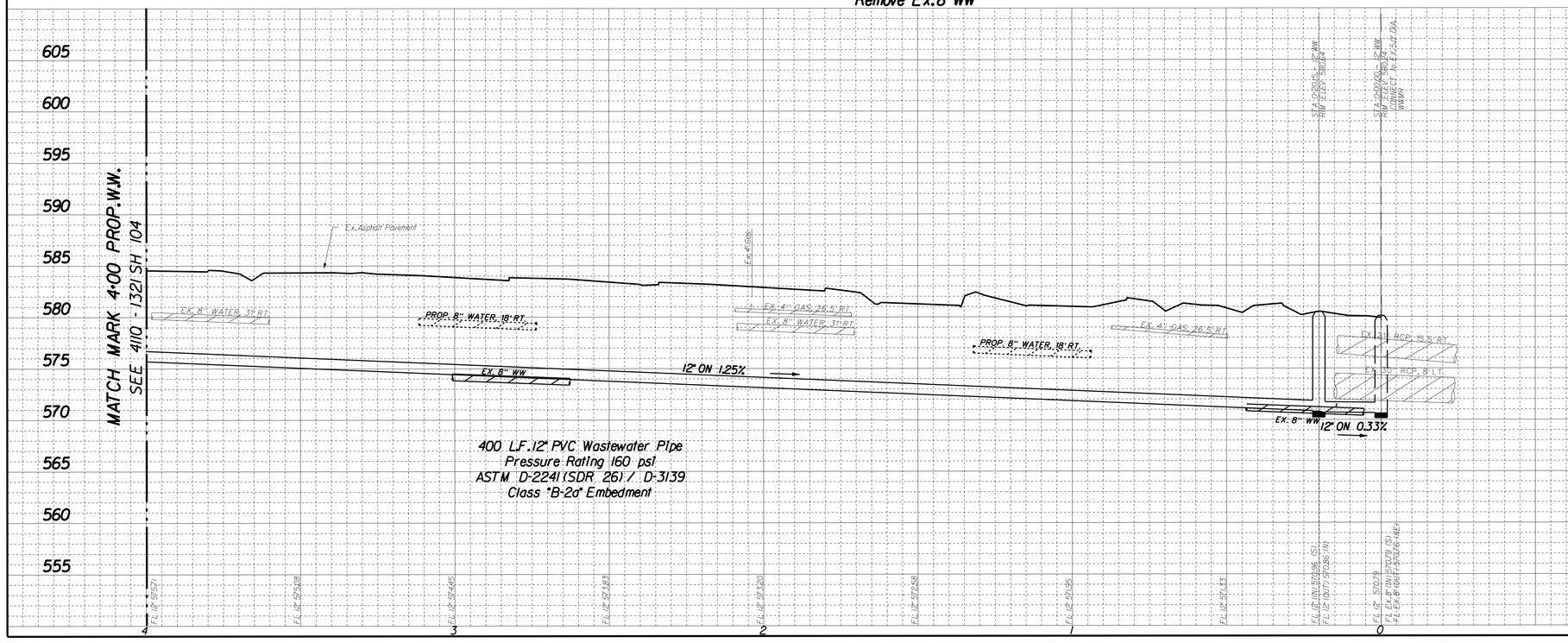
(MRO) 5 working days in advance.
Tel: 214-670-5537
Email: DWUMRO@dallascityhall.com

PROJECT LOCATION

MAPSCO: 25-N



400 LF.12" PVC Wastewater Pipe
Pressure Rating 160 psi
ASTM D-2241 (SDR 26) / D-3139
Class "B-2a" Embedment

REVISIONS

REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK
STD.WDBM ON CONCRETE CURB OF STORM INLET NORTHEAST CORNER OF INTERSECTION.
ELEV. = 585.97

CP #2
PK-Nail Set In asphalt at north of Merrell Road and Walnut Hill Lane Intersection and +/- 31' southwest of power pole.
N: 7008141.842
E: 2488097.622

CP #4
⅝" Iron Rod Set Inside ROW west of address # 5807 Joyce Way +/- 186' north of Merrell Road and Joyce Way Intersection and +/- 16' south of power pole.
N: 7007956.185
E: 2488085.292

CP #5
⅝" Iron Rod Set In west median of Merrell Road and Walnut Hill Lane Intersection and +/- 17' southwest of storm manhole.
N: 7008262.648
E: 2488060.008

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
20W-24
WASTEWATER
20S-24

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025

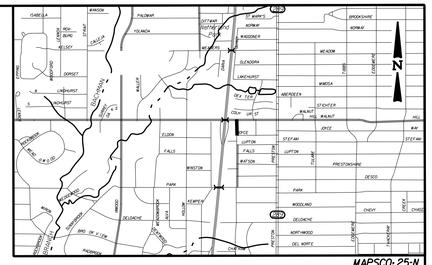
TAGREED O. BADMUS
83080
REGISTERED
ENGINEER
2/12/16

BDS Technologies, Inc.
11727 Ferndale Rd. Suite 220
Dallas, Texas 75238
Texas Board of Professional Engineers Firm Registration
Number F-4025

CONTRACT NO.16-155/156 | PID: 4956

PROP 12" W.W.& 8" WATER MAIN
DOUGLAS AVENUE
WALNUT HILL LANE TO JOYCE WAY
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	FEB 2016	4110	1321	103



INSTALL 68 LF.8" PVC WATER MAIN
AWWA C900 CLASS 305 (DR-14)
Class "C-" Embedment
4.0' Minimum Cover
(No Profile)

KIII Ex.8" Water
Built In 1949

STA 4+89.26,~ 8" Water
N 7007726.13
E 2488095.80
Install:
1- 8" 45° Horz.Bend
Connect to Ex.8" Water

STA 4+82.89,~ 8" Water
N 7007730.63
E 2488100.32
Install:
1- 8" 45° Horz.Bend

CUT & PLUG
Ex.8" Water (N)

STA 4+61.91,~ 8" Water
N 7007752.04
E 2488100.25
Install:
1- 8" x 6" Tee
1- 6" G.Valve
2- 45° Bend
Connect to Ex.8" Water

MATCH MARK 4+21.21 PROP.WATER
MATCH MARK 4+00 PROP.W.W.
SEE 4110 - 1321 SH 103

8" WATER

Ex.8" Wastewater
4110 1321 Sh9

12" WW

PID 4956

CUT & PLUG
Ex.6" Water (E)

CONSTRUCT 12" WASTEWATER MAIN
Along New Alignment
Remove Ex.8" WW

PT BLK 5612
5612 JOYCE WAY
GOEL PAUL H JR & CAROLYN T
VOL.2001088 PG.10286

STA 4+26.68,~ 12" WW
N 7007767.07
E 2488105.28
Remove Ex.4.0' Dia.W.W.Manhole
Construct:
1- 4.0' Dia.W.W.Manhole
Connect Prop.12" Out (N)
Connect Ex.8" In (E)
Connect Ex.8" In (S)

BLK 5612

Ex.6" G.Water 4100324 P.D.07

Ex.8" Wastewater 4110 1321 Sh9

JOYCE WAY
18' ROW

MATCH MARK 4+00 PROP.W.W.
SEE 4110 - 1321 SH 103

27 LF.12" PVC Wastewater Pipe
Pressure Rating 160 psi
ASTM D-2241(SDR 26) / D-3139
Class "B-2d" Embedment

Ex. 8" WATER 5 BT.

Ex. 8" WW

STA 4+26.68,~ 12" WW
RIM EL. = 584.43 DIA.WWMH
CONST. 4.0' DIA.WWMH

FL 12" 575.64
FL EX.8" IN 576.02 (S)
FL EX.8" IN 576.07 (E)

FL 12" 575.47

CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377 /1-800-545-6005

CAUTION
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(AMI) Meters In Area
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(MRD) 5 working days in advance.
Tel: 214-670-5537
E-mail: DWUMRD@dallascityhall.com

605 600 595 590 585 580 575 570 565 560 555

5 4

REVISIONS

REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK
STD.WDBM ON CONCRETE CURB OF STORM INLET NORTHEAST CORNER OF INTERSECTION.
ELEV. = 585.97

CP #2
PK-Nail Set in asphalt at north of Merrell Road and Walnut Hill Lane intersection and +/- 31' southwest of power pole.
N: 7008141.842
E: 2488097.622

CP #4
⅝" Iron Rod Set inside ROW west of address # 5807 Joyce Way +/- 186' north of Merrell Road and Joyce Way intersection and +/- 16' south of power pole.
N: 7007956.185
E: 2488085.292

CP #5
⅝" Iron Rod Set in west median of Merrell Road and Walnut Hill Lane intersection and +/- 17' southwest of storm manhole.
N: 7008262.548
E: 2488060.008

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
20W-24
WASTEWATER
20S-24

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025

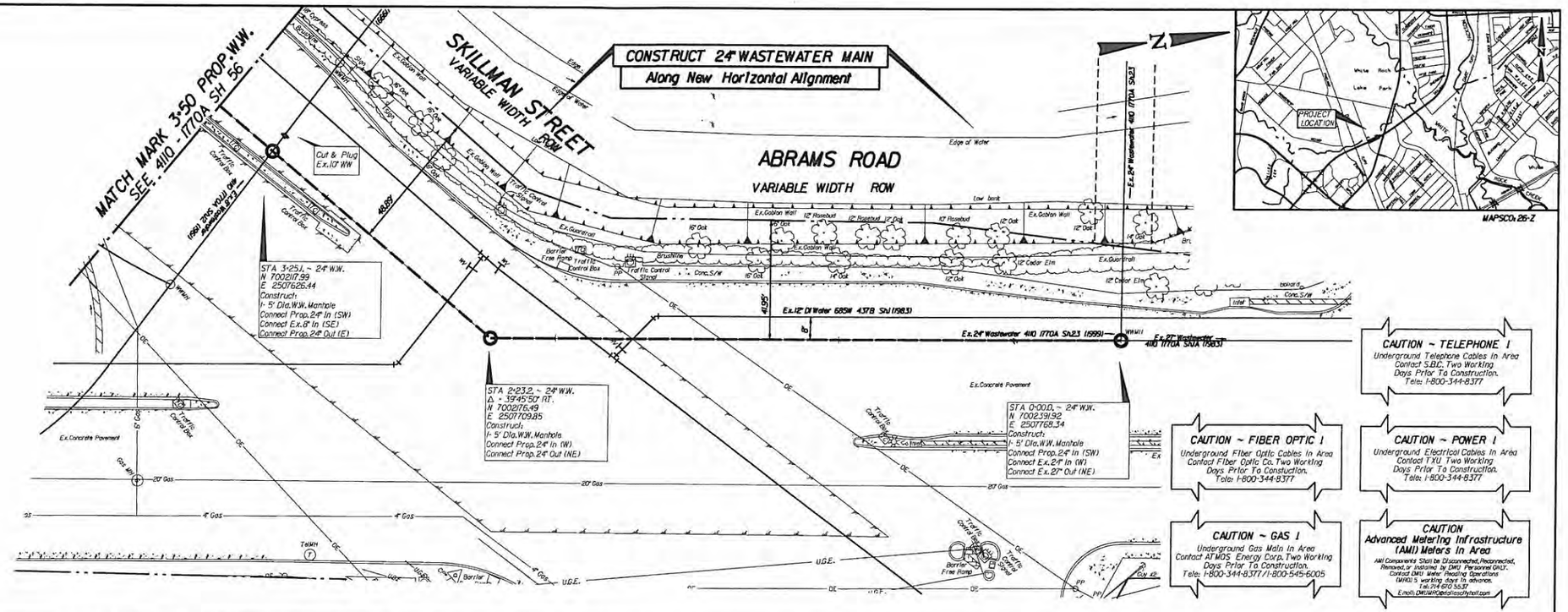
STATE OF TEXAS
JACQUELYN G. BADMUS
83088
REGISTERED
ENGINEER
2/12/16

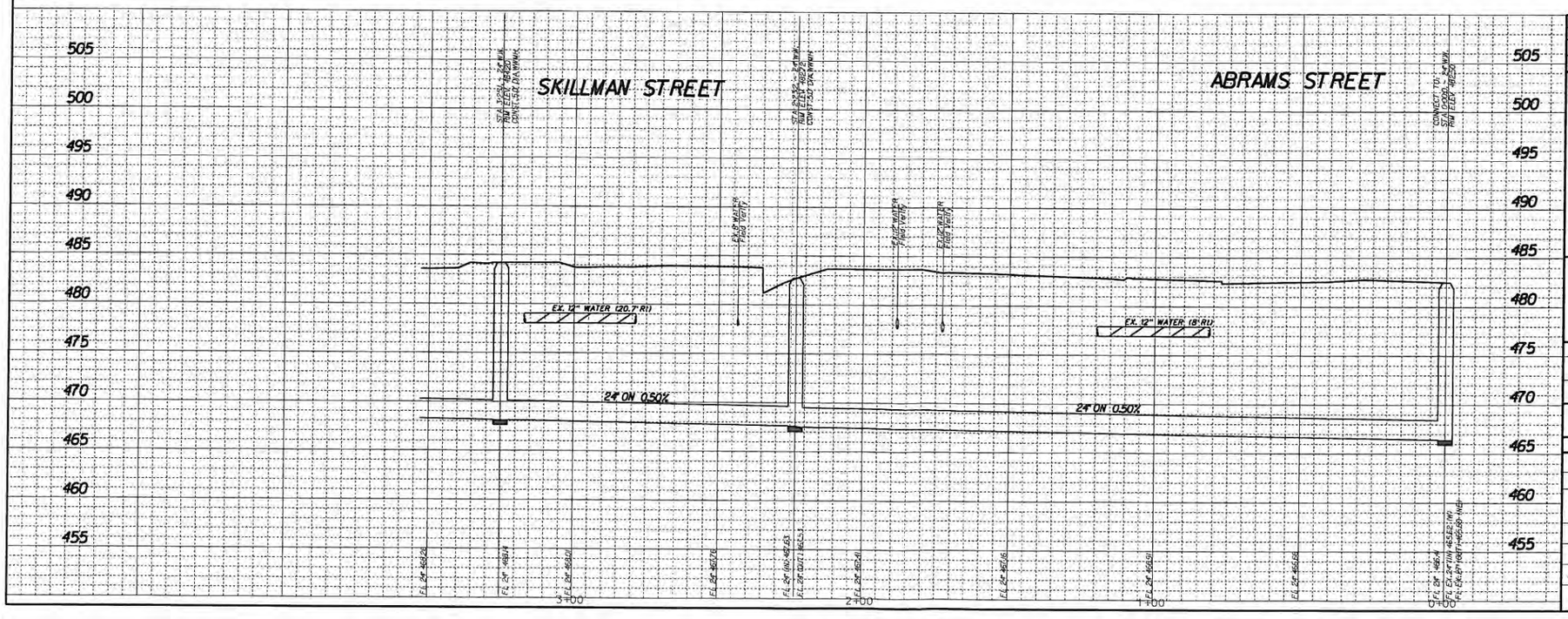
BDS Technologies, Inc.
Texas Board of Professional Engineers Firm Registration No. F-4025

CONTRACT NO.16-155/156 | PID: 4956

PROP 12" W.W.& 8" WATER MAIN
DOUGLAS AVENUE
WALNUT HILL LANE TO JOYCE WAY
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	FEB 2016	4110	1321	104





REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
1	6/3/2016	Relocated main to the south to avoid bypass pumping	SLC
2	1/9/2017	Relocated main to connect to existing 27" on Abrams Street	SLC

BENCHMARKS & CONTROL POINTS

BM 1: SQUARE ON TOP OF CURB CENTER OF STORM SEWER INLET ON THE WEST SIDE OF SHADY BROOK LANE AND 100' SOUTH OF NORTHWEST HIGHWAY.
ELEV. 575.6300

BM 2: STD. W.D.O.M. IN STORM SEWER INLET ON THE NORTH SIDE OF SOUTHWESTERN BOULEVARD AND 0.15 MILE EAST OF VILLAGE GLEN DRIVE.
ELV. 541.5304

BM 3: SQ. CUT FOUND ON TOP OF GRATE INLET AT THE NORTH SIDE OF SKILLMAN ST., +/- 340 FT NORTHEAST OF THE CENTER OF LARMANDA ST
ELV. 484.95

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES

WATER
2.3W-30

WASTEWATER
2.3S-30

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025

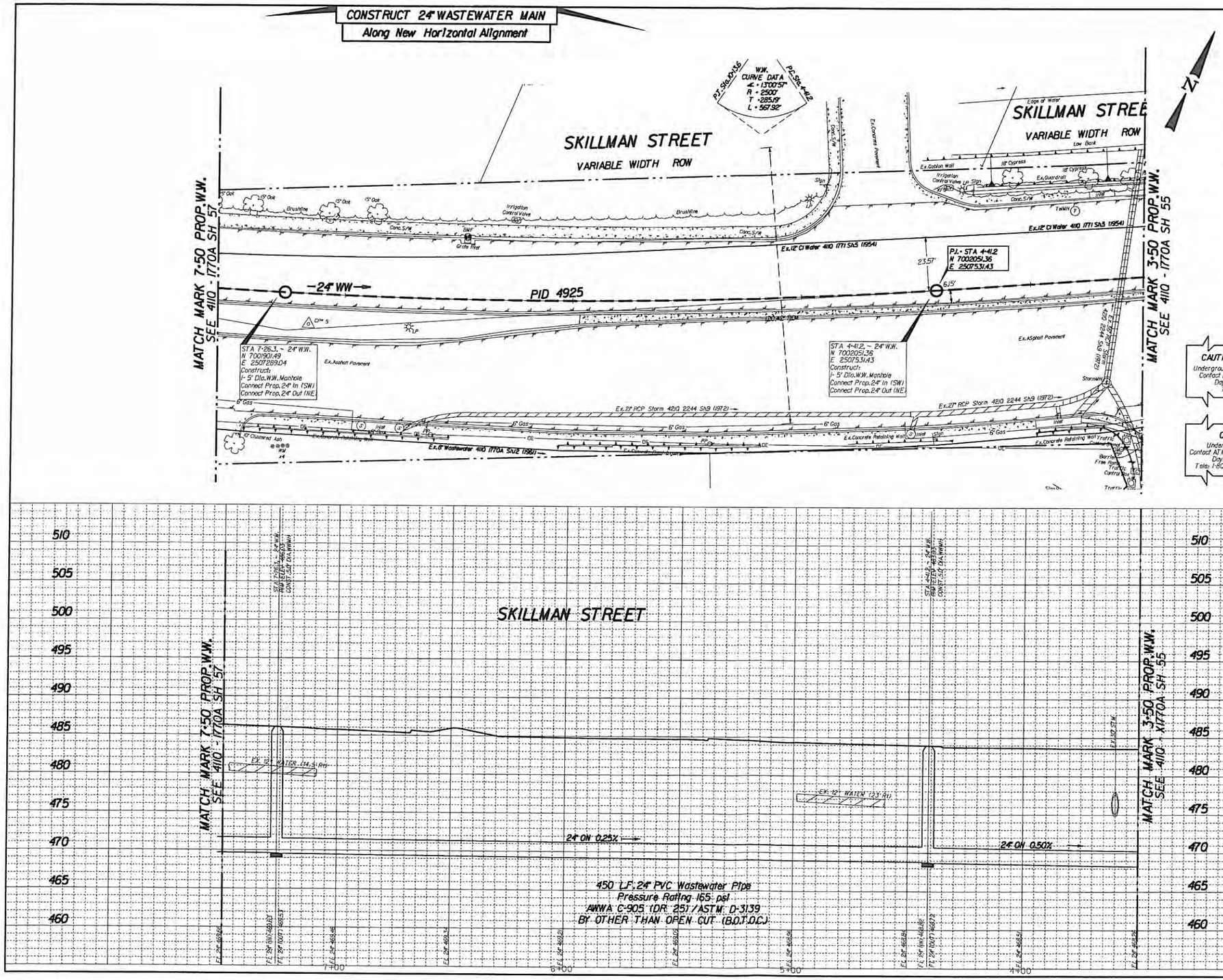
STATE OF TEXAS
TADRED C. BACHUS
63388
REGISTERED
PROFESSIONAL ENGINEER
1/9/17

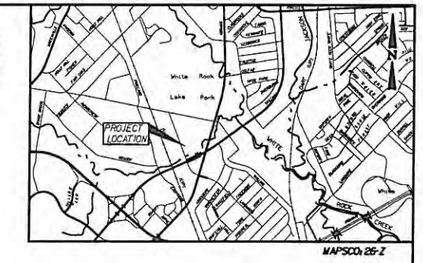
BDS Technologies, Inc.

PID: 4925 | CONTRACT NO. 16-155/156

PROPOSED 24" WASTEWATER
SKILLMAN STREET
FROM LARMANDA DR. 857 FEET NORTHEAST
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	FEB 2016	4110	1770A	55





CAUTION ~ TELEPHONE I
Underground Telephone Cables In Area
Contact S.B.C. Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC I
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER I
Underground Electrical Cables In Area
Contact TXU Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS I
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005

CAUTION
Advanced Metering Infrastructure (AMI) Meters In Area
AMI Components Shall be Disconnected, Reconnected, Removed, or Installed by DWU Personnel ONLY.
Contact DWU Meter Reading Operations (MRO) 5 working days in advance.
Tel: 214-670-5531
Email: DWUMRO@dallascityhall.com

REVISIONS

REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BM 1: SQUARE ON TOP OF CURB CENTER OF STORM SEWER INLET ON THE WEST SIDE OF SHADY BROOK LANE AND 100' SOUTH OF NORTHWEST HIGHWAY.
ELEV. 575.6300

BM 2: STD. WDBM IN STORM SEWER INLET ON THE NORTH SIDE OF SOUTHWESTERN BOULEVARD AND 0.15 MILE EAST OF VILLAGE GLEN DRIVE.
ELV. 541.5304

BMF: SQ. CUT FOUND ON TOP OF GRATE INLET AT THE NORTH SIDE OF SKILLMAN ST. +/- 340 FT NORTHEAST OF THE CENTER OF LARMANDA ST
ELV. 484.95

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
23W-30
WASTEWATER
23S-30

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025

STATE OF TEXAS
TAGREED D. BACHUS
83088
REGISTERED PROFESSIONAL ENGINEER
1/9/17

BDS Technologies, Inc.

CONTRACT NO. 13-127/128E | PID: 4925

PROPOSED 24" WASTEWATER
SKILLMAN STREET
FROM LARMANDA DR.
857 FEET NORTHEAST
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	APRIL 2015	4110	1770A	56

CONSTRUCT 24" WASTEWATER MAIN
Along New Horizontal Alignment

LARMANDA ST.
60' ROW

SKILLMAN ST.
VARIABLE WIDTH ROW

PID 4923

PID 4925

24" WW

P.I. STA 10+13.6
N 7001779.19
E 2507029.19

W.W. CURVE DATA
Δ = 13°00'57"
R = 2500'
T = 285.59'
L = 567.92'

P.T. STA 10+13.6

P.C. STA 4+44.2

STA 10+13.6, ~ 24" W.W.
N 7001779.19
E 2507029.19
Connect, Prop. 5' W.W. Manhole
Connect Prop. 24" In (SW)
Connect Prop. 24" Out (NE)

Ex. 12" ECI Water FB 56 PG.56

Ex. 12" ECI Water FB 150 PG.34

Ex. 12" ECI Water FB 364 PG.65

Ex. 8" Wastewater 4110 1770A SN12 1961

Ex. 8" Wastewater 4110 1770A SN12 1961-Inst

BLK 16/

LOT 1A
6400 SKILLMAN ST.
DALLAS TX 75231-8023
VOL.99218 PG.111

LOT 1A
6400 SKILLMAN ST.
ROF 221 SKILLMAN DALLAS TX LLC
INST.# 20080322567

BLK 1/5434

MATCH MARK 6+50 PROP.W.W.
SEE 4110 - 1770A SH 56

MAPSCO: 26-Z

PROJECT LOCATION

CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electricat Cables In Area
Contact TXU Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005

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Advanced Metering Infrastructure (AMI) Meters In Area
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Contact DWU Water Meeting Operations (WMO) 5 working days in advance.
Tel: 214 670 5537
E-mail: DWUWMO@dallascityhall.com

SKILLMAN ST.

EX. 12" WATER (11.7' RT)

FL. = 482.2

Prop. 24" WW
FL. = 482.5

24" DR 0.13%

157 L.F. 24" PVC Wastewater Pipe
Pressure Rating 165 psi
AWWA C-905 (DR 25) / ASTM D-3139
BY OTHER THAN OPEN CUT (B.O.T.O.C.)

MATCH MARK 6+50 PROP.W.W.
SEE 4110 - 1770A SH. 56

510 505 500 495 490 485 480 475 470 465 460

11+00 0+00 3+00 6+00 7+50

REVISIONS

REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BM 1: SQUARE ON TOP OF CURB CENTER OF STORM SEWER INLET ON THE WEST SIDE OF SHADY BROOK LANE AND 100' SOUTH OF NORTHWEST HIGHWAY, ELEV. 575.6300

BM 2: STD.WDBM IN STORM SEWER INLET ON THE NORTH SIDE OF SOUTHWESTERN BOULEVARD AND 0.15 MILE EAST OF VILLAGE GLEN DRIVE, ELV. 541.5304

BM3: SQ.CUT FOUND ON TOP OF GRATE INLET AT THE NORTH SIDE OF SKILLMAN ST. +/- 340 FT NORTHEAST OF THE CENTER OF LARMANDA ST ELV. 484.95

CP 2: "X" CUT SET ON TOP OF CONCRETE CURB AT THE SOUTHEAST CORNER OF SKILLMAN ST. AND LARMANDA LN ELV. 489.8 FT.

Horizontal Scale: 1" = 20'
0' 20' 40'

Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
23W-30
WASTEWATER
23S-30

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025

STATE OF TEXAS
JAGREED D. BADMUS
83398
REGISTERED
PROFESSIONAL ENGINEER
1/9/17

BDS Technologies, Inc.

CONTRACT NO. 13-127/128E | PID: 4925

PROPOSED 24" WASTEWATER
SKILLMAN STREET
FROM LARMANDA DR.
857 FEET NORTHEAST
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	APRIL 2015	4110	1770A	57

CONSTRUCT 12" WASTEWATER MAIN
Along Same Alignment as Exist.10" WW

Orchid Lane

Preston Road PID 4953

PID 4957

Ex.10"W.W. 4110 1325 Sh18

12" WW

16" WW

20" WW

100'

Ex.Asphalt Pavement

Ex.Concrete Pavement

Ex.Concrete Alley

Ex.Concrete Flowline

Ex.Roadway

Ex.Alley

Ex.8" CI Water FB00528 P.004

Ex.8" CI Water FB00528 P.004

Ex.6" Gas

Ex.8" Gas

Ex.Gas MH

Ex.Inlet

Electric Vehicle

Electric Vault

Irrigation Control Valve

Natural Gas Marker

Fence Column

Guy

Sign

Bollard

Inlet

CP *6

CP *7

STA 0+00.00,~ 12" W.W. PID 4957 +
STA 39+21.67 ~ 20" W.W. PID 4953
N 7012560.83
E 2489390.26
Construct:
Connect to 5.0' Dia.W.W.M.H. PID 4953
Connect Prop.12" In (E)
Connect Prop.20" Out (S)
Connect Prop.16" In (N)
Plug Ex.15" (W)

STA 4+30.00,~ 12" W.W.
N 7012566.00
E 2489820.23
Construct:
1- 4' Dia.W.W. Manhole
Connect Prop.12" In (E)
Connect Prop.12" Out (W)

20' WASTEWATER ESMNT. BY PLAT

20' DRAINAGE ESMNT. VOL.73094 PG.1159 D.R.D.C.T.

20' Oak

14" Elm

18" Mulberry

30" Elm

42" Ash

36" Pecan

4" Crepe Myrtle x7

20" Sugargum

Irrigation Control Valve x2

MATCH MARK 4+50 PROP.W.W.
SEE 4110 - 1325 SH 122

MATCH MARK 4+50 PROP.W.W.
SEE 4110 - 1325 SH 122

N

PROJECT LOCATION

MAPSCO: 25-F

CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005

CAUTION
Advanced Metering Infrastructure (AMI) Meters In Area
AMI Components Shall be Disconnected, Reconnected, Removed, or Installed by DWU Personnel ONLY.
Contact DWU Meter Reading Operations
(MRO) 5 working days in advance.
Tels 214-670-5537
Email: DWUMRO@dallascityhall.com

STA 0+00.00,~ 12" W.W.
N 7012560.83
E 2489390.26
Construct:
Connect to 5.0' Dia.W.W.M.H. PID 4953
Connect Prop.12" In (E)
Connect Prop.20" Out (S)
Connect Prop.16" In (N)
Plug Ex.15" (W)

STA 4+30.00,~ 12" W.W.
N 7012566.00
E 2489820.23
Construct:
1- 4' Dia.W.W. Manhole
Connect Prop.12" In (E)
Connect Prop.12" Out (W)

Ex.Asphalt Street

Ex.Concrete Alley

FL - 587.3

TOP - 584.8

BOP - 581.2

EX. 15" WW

EX. 10" WW

EX. 2" GAS, 2.0' RT

EX. 12" RCP, 13' RT

12" ON 0.60%

12" ON 0.35%

450 LF. 12" PVC Wastewater Pipe
ASTM D-3034 (SDR 35) / D-3212
Class "B-1" Embedment

615 610 605 600 595 590 585 580 575 570 565

0 1 2 3 4

REVISIONS

REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK
STD.WDBM ON CONCRETE CURB OF STORM INLET NORTHEAST CORNER OF INTERSECTION.
ELEV = 590.62

CP*6
5/8" Iron Rod Set In Inside ROW west of Preston Road and Alley Intersection and +/- 11' south of power pole.
N 7012559.06
E 2489359.30

CP*7
X-cut Set In Inside Alley ROW north of Address #10600 Preston Road and +/- 280' east of WWMH.
N 7012563.98
E 2489670.22

Horizontal Scale: 1" = 20'
0' 20' 40'

Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
IRW-25
WASTEWATER
185-25

BDS Technologies, Inc.
Texas Registered Engineering Firm F-4025

STATE OF TEXAS
AGNES G. BADMUS
83080
REGISTERED
PROFESSIONAL ENGINEER
2/12/16

BDS Technologies, Inc.
11339 Pagoda Street, Suite B-266
Dallas, Texas 75218
Texas Board of Professional Engineers Registration No. F-4025

CONTRACT NO.16-155/156 | PID: 4957

PROPOSED 12" W.W.MAIN

Easement btwn Camillia Dr. and Orchid Ln.

Preston Road East

DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	FEB 2016	4110	1325	121

CONSTRUCT 12" WASTEWATER MAIN
Along Same Alignment as Exist. 10" WW

MATCH MARK 4+50 PROP.W.W.
SEE 4110 - 1325 SH 121

MATCH MARK 9+00 PROP.W.W.
SEE 4110 - 1325 SH 123

PID 4957

12" WW

Ex.10" W.W. 4110-1325 Sh7

Ex.30" SD. 4290 2298 Sh5

STA 8+62.46,~ 12" W.W.
N 7012571.19
E 2490252.66
Remove Ex.4.0' Dia.W.W. Manhole
Construct
1- 4' Dia.W.W. Manhole
Connect Prop.12" In (E)
Connect Prop.12" Out (W)
Connect Ex.8" In (N)

Ex.8" W.W. 4110-1325 Sh25

ST. MARKS SCHOOL OF TEXAS

10' DRAINAGE ESMNT. VOL.73094 PG.1159 D.R.D.C.T.

20' SANITARY SEWER VOL.2002139 PG. D.R.D.C.T.

Ex.Concrete Parking Lot

Ex.Asphalt Pavement

Ex.Concrete Pavement

Irrigation Control Valve x2

6' Oak x2

28" Oak

32" Pecan

20" Cedar Elm

14" Cedar Elm

10" Cedar Elm

12" Cedar Elm

Brushline

High Bank

Low Bank

Planter

Bollard

Inlet

Sign

WWMH

LP

Conc. S.W.

2" GAS

CP *18

CP *19

CP *9

CP *549

16" Oak

7.8'

15'

20'

PROJECT LOCATION

MAPSCO: 25-F

CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005

CAUTION
Advanced Metering Infrastructure (AMI) Meters In Area
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Tel: 214-670-5537
Email: DWUMRO@dallascityhall.com

620
615
610
605
600
595
590
585
580
575
570

5 6 7 8 9

Ex.Concrete Alley

EX. 2" GAS, 2.0' RT.

EX. 12" RCP, 16' RT.

BOP = 589.26

TOP = 587.97

12" ON 0.35%

12" ON 0.25%

EX. 2" GAS, 2.0' RT.

EX. 2" GAS, 2.0' RT.

EX. 20" RCP Field Verify

EX. 30" RCP Field Verify

STA 8+62.46,~ 12" W.W.
INV. EL. = 590.03
REMOVE EX. 4.0' DIA.WWMH
CONST. 4.0' DIA.WWMH

Fl. (12" SW) = 587.29
Fl. (12" NE) = 587.46
Fl. (12" SW) = 587.66
Fl. (12" NE) = 587.83
Fl. (12" SW) = 588.01
Fl. (12" NE) = 588.18
Fl. (12" SW) = 588.36
Fl. (12" NE) = 588.53
Fl. (12" SW) = 588.71
Fl. (12" NE) = 588.88
Fl. (12" IN) = 588.93 (W)
Fl. (12" IN) = 588.93 (E)
Fl. EX-8" (IN) = 589.13 (N)
Fl. (12" OUT) = 589.43 (W)
Fl. (12" OUT) = 589.43 (E)
Fl. = 590.62

450 L.F. 12" PVC Wastewater Pipe
ASTM D-3034 (SDR 35) / D-3212
Class "B-I" Embedment

REVISIONS

REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK
STD.WDBM ON CONCRETE CURB OF STORM INLET NORTHEAST CORNER OF INTERSECTION.
ELEV = 590.62

CP*6
5/8" Iron Rod Set In Inside ROW west of Preston Road and Alley Intersection and +/- 11' south of power pole.
N 7012559.06
E 2489359.30

CP*7
X-cut Set In Inside Alley ROW north of Address #10600 Preston Road and +/- 280' east of WWMH.
N 7012563.98
E 2489670.222

Hor'izontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
18W-25
WASTEWATER
18S-25

BDS Technologies, Inc.
Texas Registered Engineering Firm F-4025

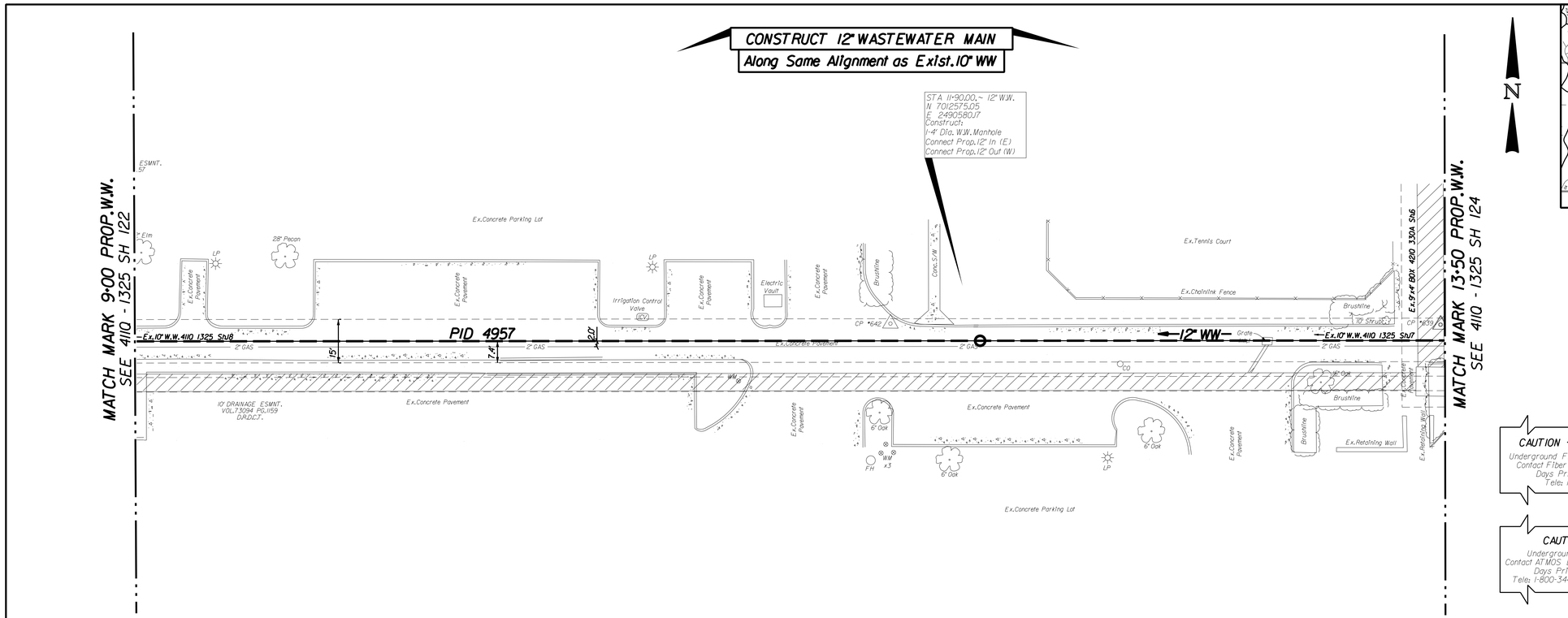
TAOREED G. BADMUS
83080
LICENSED PROFESSIONAL ENGINEER
2/12/16

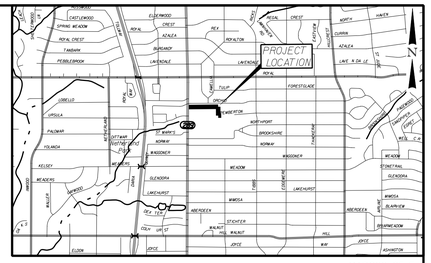
BDS Technologies, Inc.
Civil Engineering Consultants
Public, Commercial & Residential Projects
3808 Technologies, Inc
3808 Technology Drive Ste 2-200
Dallas, Texas 75224
Texas Board of Professional Engineers Firm Registration No. 8140-00

CONTRACT NO. 16-155/156 | PID: 4957

PROPOSED 12" W.W. MAIN
Easement btwn Camillia Dr. and Orchid Ln.
Preston Road East
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	FEB 2016	4110	1325	122





MAPSCO: 25-F

CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working
Days Prior To Constuction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005

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Tel: 214-670-5537
Email: DWUMRO@dallascityhall.com

REVISIONS

REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK
STD. WDBM ON CONCRETE CURB OF STORM INLET NORTHEAST CORNER OF INTERSECTION.
ELEV = 590.62

CP#6
5/8" Iron Rod Set In Inside ROW west of Preston Road and Alley Intersection and +/- 11' south of power pole.
N 7012559.106
E 2489359.130

CP#7
X-cut Set In Inside Alley ROW north of Address #10600 Preston Road and +/- 280' east of WWMH.
N 7012563.198
E 2489670.222

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025

STATE OF TEXAS
TAOREED G. BADMUS
83080
REGISTERED
PROFESSIONAL ENGINEER
2/12/16

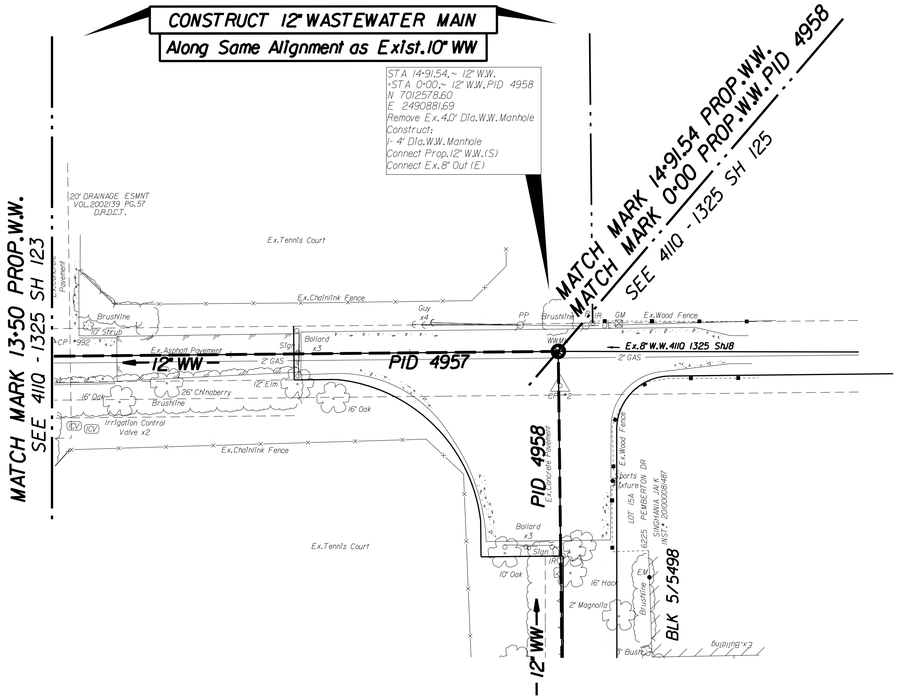
REFERENCES
WATER
18W-25
WASTEWATER
18S-25

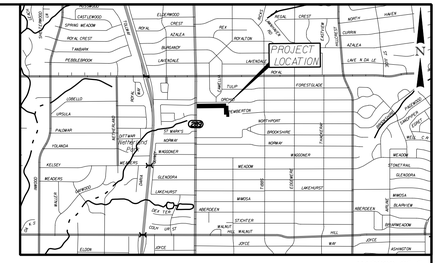
BDS Technologies, Inc.
Engineers, Surveyors, Planners, Architects, Scientists
BDS Technologies, Inc.
11525 Pagano Street, Suite 6-200
Dallas, Texas 75234
Texas Board of Professional Engineers Firm Registration No. F-4025

CONTRACT NO. 16-155/156 | PID: 4957

PROPOSED 12" W.W. MAIN
Easement btwn Camillia Dr. and Orchid Ln.
Preston Road East
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	FEB 2016	4110	1325	123





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Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
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Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005

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Tele: 214-670-5537
Email: DWUMRO@dallascityhall.com

REVISIONS

REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK
STD.WDBM ON CONCRETE CURB OF STORM INLET NORTHEAST CORNER OF INTERSECTION.
ELEV = 590.62

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N 7012559.106
E 2489359.130

CP*7
X-cut Set In Inside Alley ROW north of Address *10600 Preston Road and +/- 280' east of WWMH.
N 7012563.198
E 2489670.222

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
18W-25
WASTEWATER
18S-25

BDS Technologies, Inc.
Texas Registered Engineering Firm F-4025

STATE OF TEXAS
JACRED G. BADMUS
83080
REGISTERED PROFESSIONAL ENGINEER
2/12/16

BDS Technologies, Inc.
Texas Board of Professional Engineers Firm Registration No. F-4025

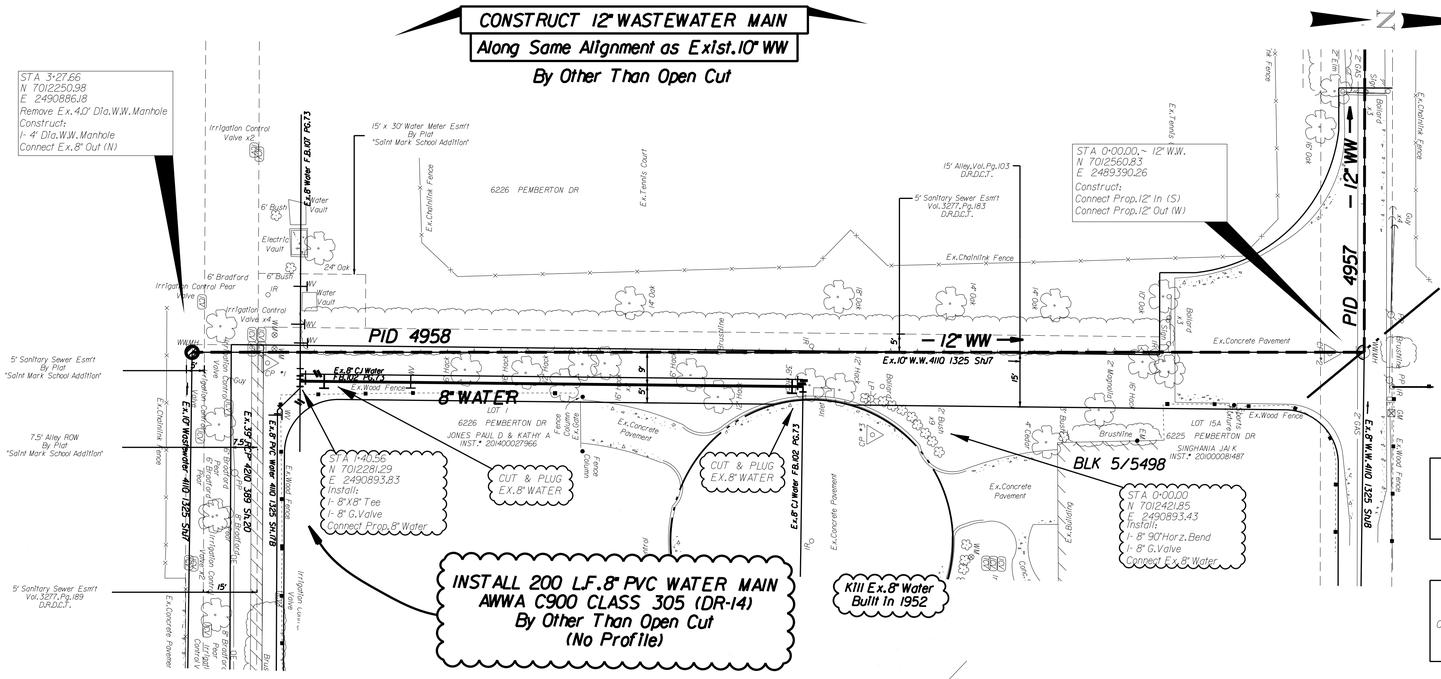
CONTRACT NO. 16-155/156	PID: 4957

PROPOSED 12" W.W. MAIN

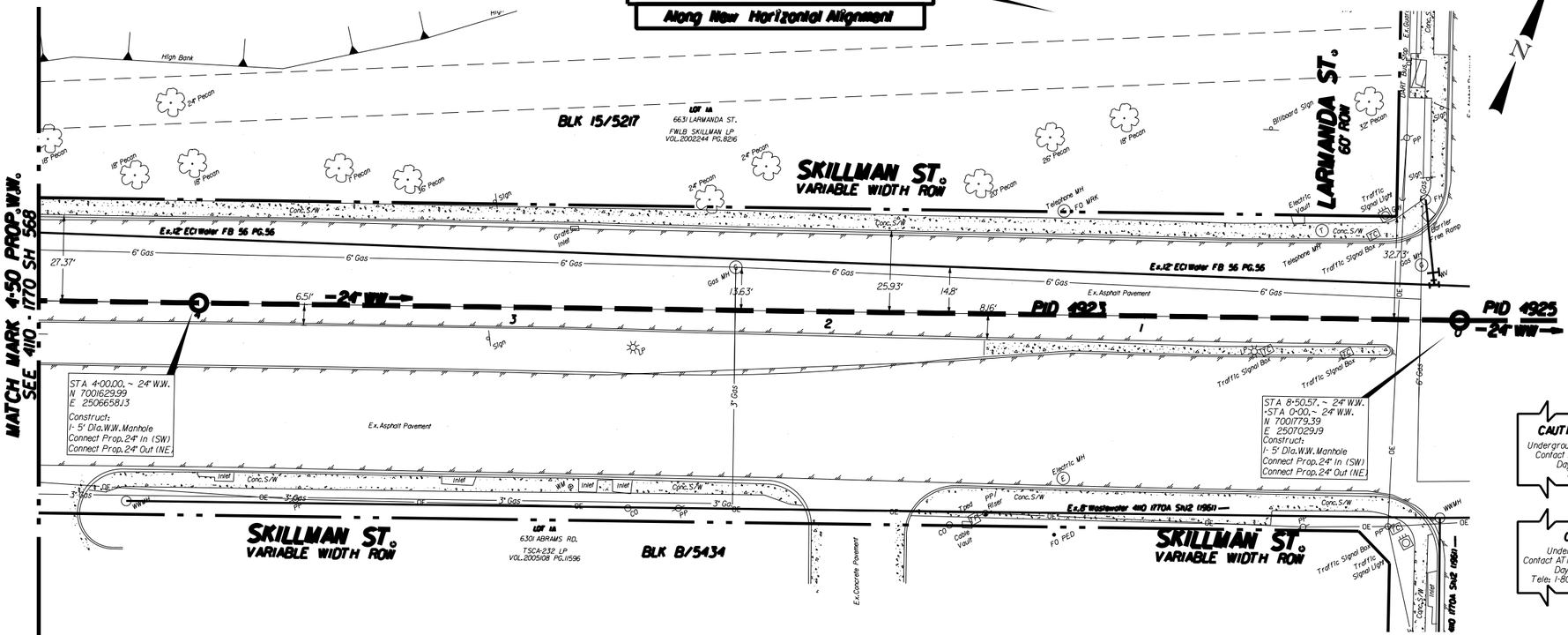
Easement btwn Camilla Dr. and Orchid Ln.
Preston Road East
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

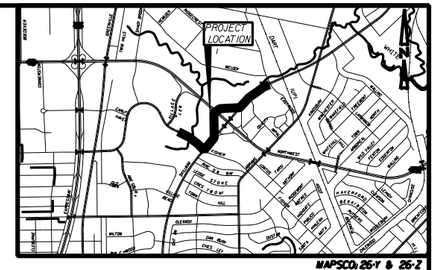
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	FEB 2016	4110	1325	124

CONSTRUCT 12" WASTEWATER MAIN
Along Same Alignment as Exist. 10" WW
By Other Than Open Cut


STA 3+27.66
N 7012250.98
E 2490886.18
Remove Ex.4.0' Dia.W.W. Manhole
Construct:
1- 4' Dia.W.W. Manhole
Connect Ex.8" Out (N)
Irrigation Control Valve x2
15' x 30' Water Meter Esmt By Plat "Saint Mark School Addition"
Ex.8" Water F.B.07 Pg.73
6226 PEMBERTON DR
Ex.Tennis Court
Ex.Chainlink Fence
6' Bush
Water Vault
Electric Vault
24" Oak
6' Bradford Pear
Irrigation Control Valve
Irrigation Control Valve x4
PID 4958
5' Sanitary Sewer Esmt By Plat "Saint Mark School Addition"
7.5' Alley ROW By Plat "Saint Mark School Addition"
5' Sanitary Sewer Esmt Vol.3277, Pg.189 D.R.D.C.T.
Ex.Chainlink Fence
Ex.Wood Fence
Ex.Concrete Pavement
Ex.Utility Pole
Ex.Guy
Ex.Power Pole
Ex.Telephone Pedestal
Ex.Telephone Riser
Ex.Telephone Vault
Ex.Telephone Manh

CONSTRUCT 24" WASTEWATER MAIN
Along New Horizontal Alignment





CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377 /1-800-545-6005

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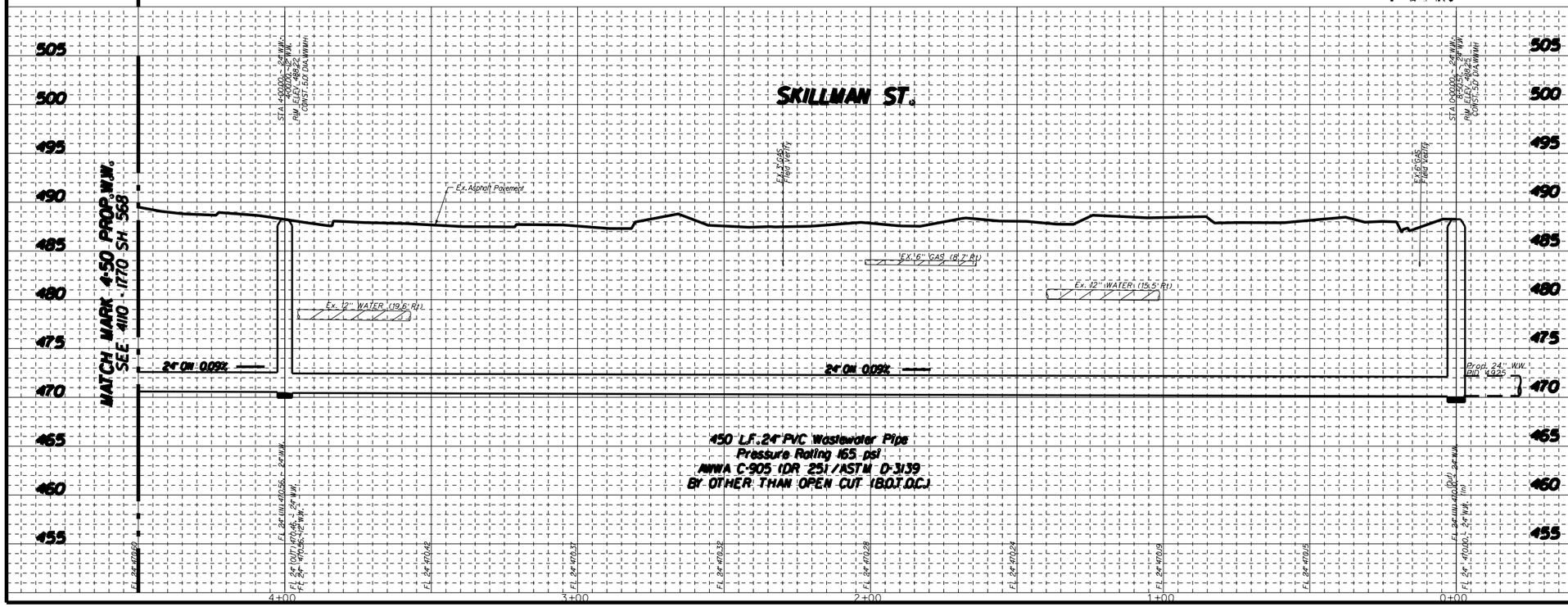


450 L.F. 24" PVC Wastewater Pipe
Pressure Rating 165 psi
AWWA C-905 (DR 25) / ASTM D-3139
BY OTHER THAN OPEN CUT (B.O.T.O.C.)

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK

BM 1: Square on top of curb center of Storm Sewer Inlet on the West side of Shady Brook Lane and 100' South of Northwest Highway.
Elev. 575.6300

BM 2: STD.WDBM on Storm Sewer Inlet on the North side of Southwestern Boulevard and 0.15 mile East of Village Glen Drive.
Elv. 541.5304

CP 2: X CUT SET ON TOP OF CONCRETE CURB AT THE SOUTHEAST CORNER OF SKILLMAN ST. AND LARMANDA LN
ELV. 489.8 FT.

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
43W-28, 44W-28, & 44N-29
WASTEWATER
43S-28, 44S-28, & 44S-29

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025
TAOREED O. BADMUS
83060
LICENSED PROFESSIONAL ENGINEER
10/28/2016
BDS Technologies, Inc.
1111 Corporate Dr. Suite 240W
Dallas, Texas 75234
Texas Board of Professional Engineers Firm Registration No. 8482

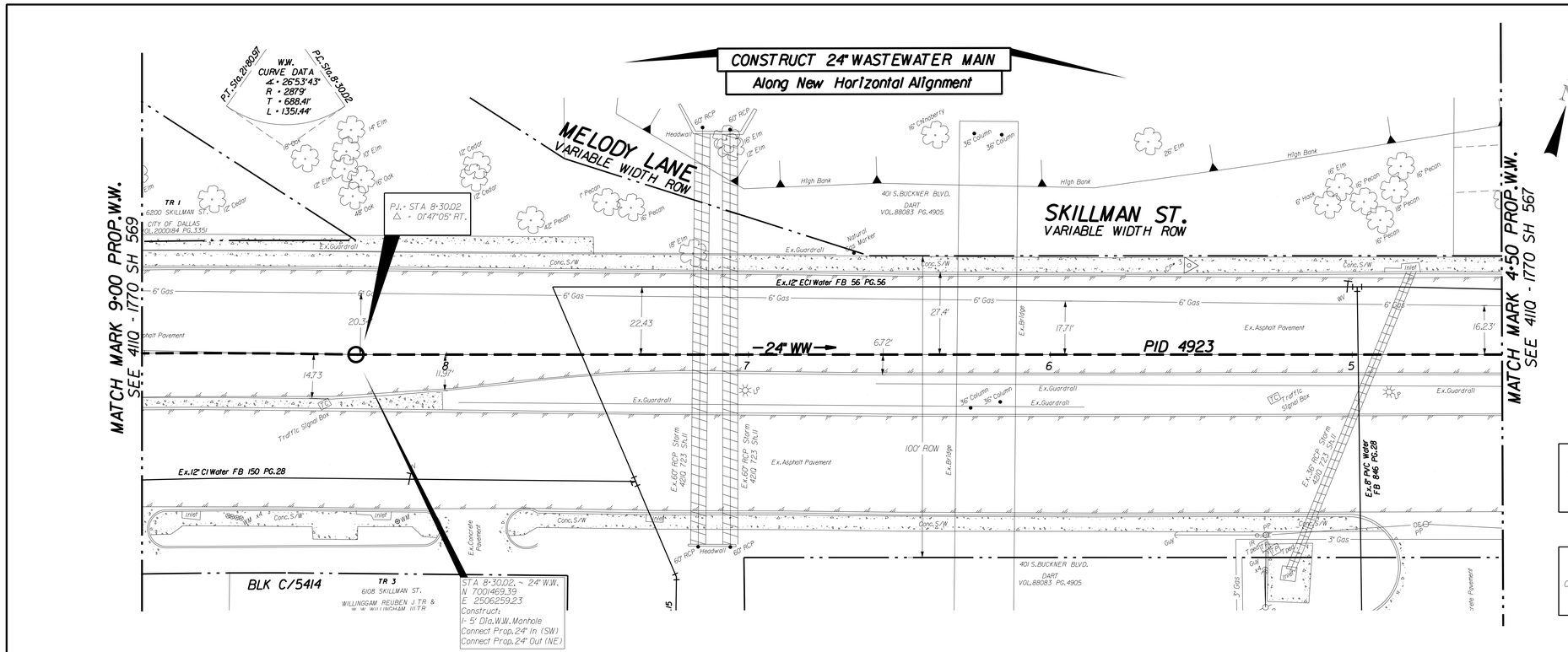
CONTRACT NO. 16-237JC | PID 4923

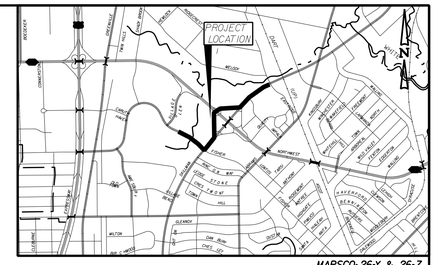
PROPOSED 24" WASTEWATER SKILLMAN STREET FROM SOUTHWESTERN BLVD TO LARMANDA DR.

DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	OCT 2016	4110	1770	567

CONSTRUCT 24" WASTEWATER MAIN
Along New Horizontal Alignment





CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working Days Prior To Constuction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
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Tele: 1-800-344-8377 / 1-800-545-6005

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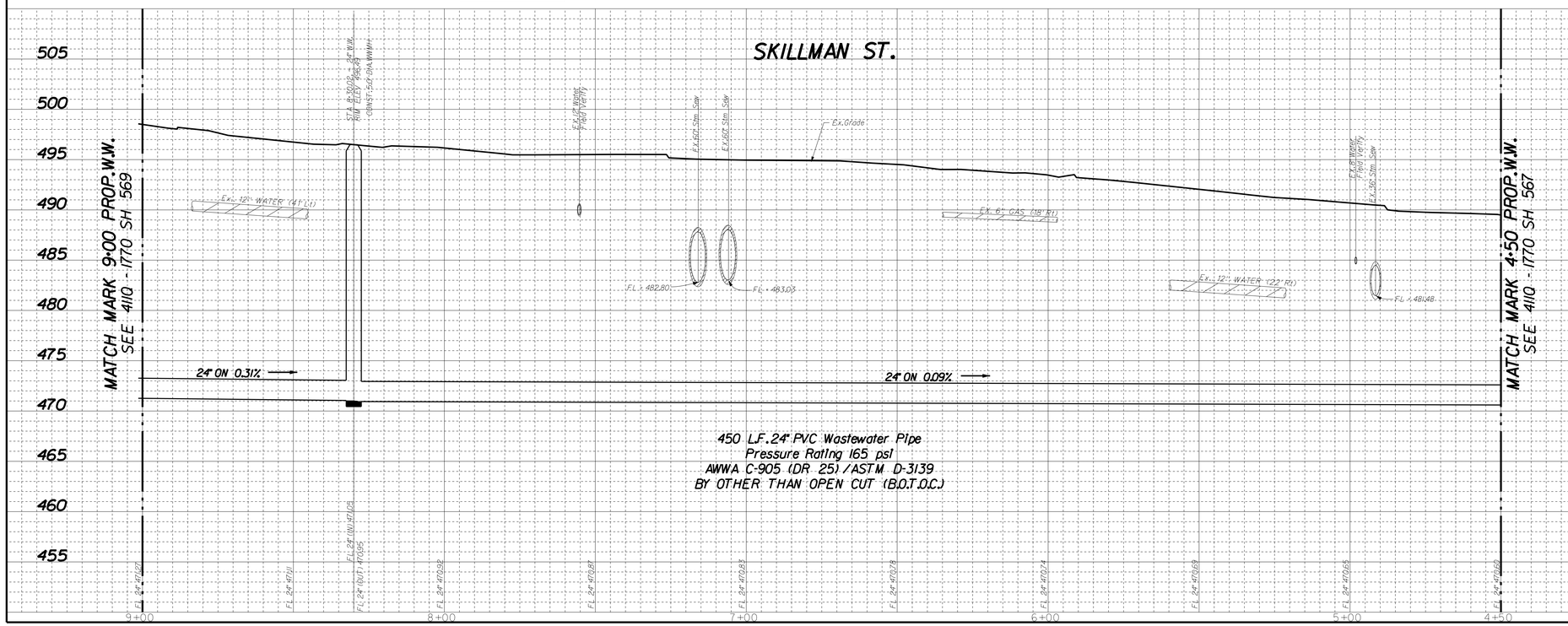


450 L.F. 24" PVC Wastewater Pipe
Pressure Rating 165 psi
AWWA C-905 (DR 25) / ASTM D-3139
BY OTHER THAN OPEN CUT (B.O.T.O.C.)

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK

BM 1: Square on top of curb center of Storm Sewer Inlet on the West side of Shady Brook Lane and 100' South of Northwest Highway.
Elev. 575.6300

BM 2: STD.WDBM on Storm Sewer Inlet on the North side of Southwestern Boulevard and 0.15 mile East of Village Glen Drive.
Elv. 541.5304

CP 3: X-CUT SET IN CONCRETE S/WALK AT THE NORTH SIDE OF SKILLMAN ST. +/- 70 FEET EAST OF THE CENTER OF A RAIL ROAD OVERPASS.
ELV. 492.216 FT.

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES

WATER
43W-28, 44W-28, & 44N-29

WASTEWATER
43S-28, 44S-28, & 44S-29

BDS Technologies, Inc.
Texas Registered Engineering Firm F-4025

TAOREED O. BADMUS
83080
REGISTERED
PROFESSIONAL ENGINEER
STATE OF TEXAS

10/28/2016

BDS Technologies, Inc.
Licensed Surveying & Engineering Services

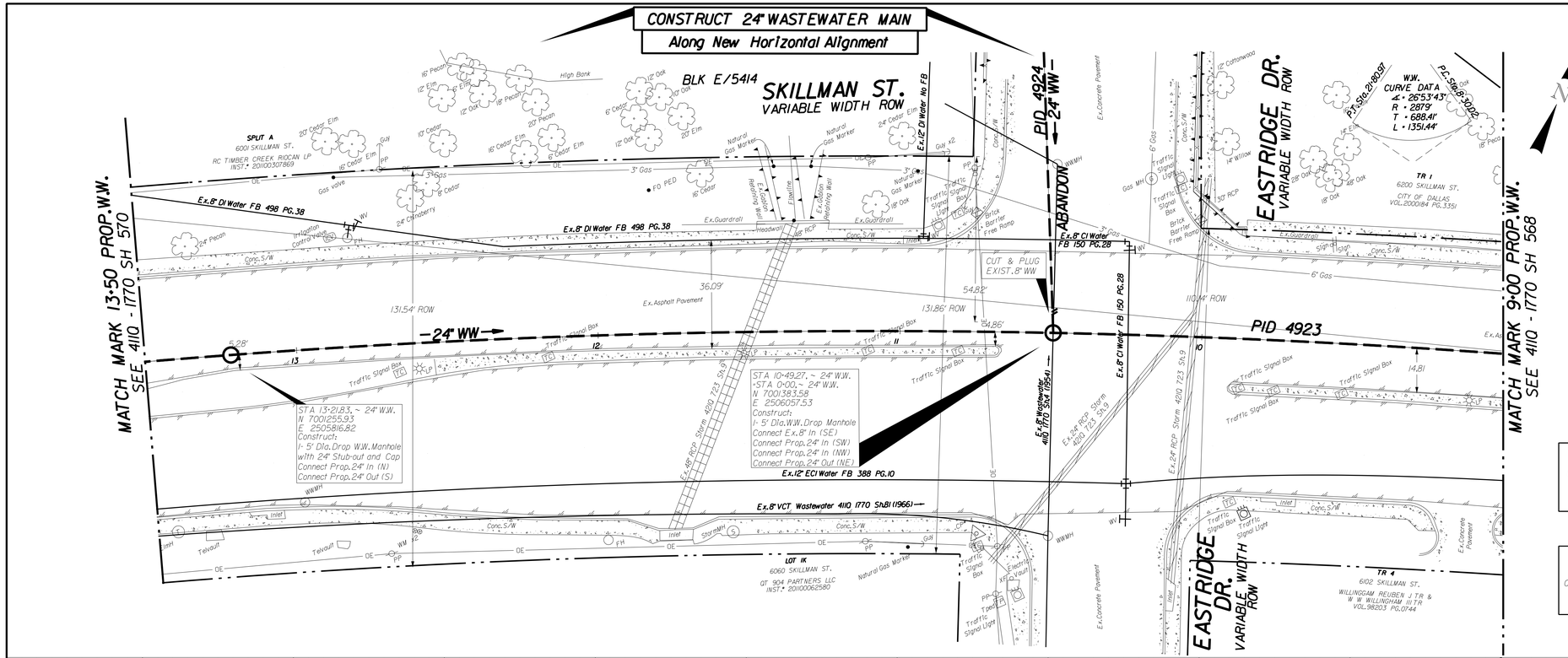
BDS Technologies, Inc.
11121 Pagemill Street, Suite 5-200
Dallas, Texas 75243
Texas Board of Professional Engineers Registration
Engineering F-24422

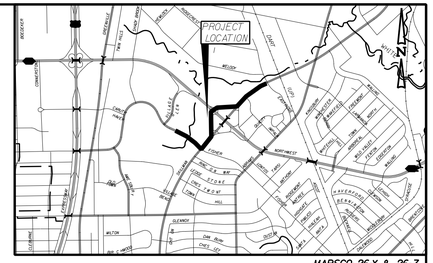
CONTRACT NO. 16-155/156 | **PID: 4923**

PROPOSED 24" WASTEWATER
SKILLMAN STREET
FROM SOUTHWESTERN BLVD TO LARMANDA DR.
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	OCT. 2016	4110	1770	568

CONSTRUCT 24" WASTEWATER MAIN
Along New Horizontal Alignment





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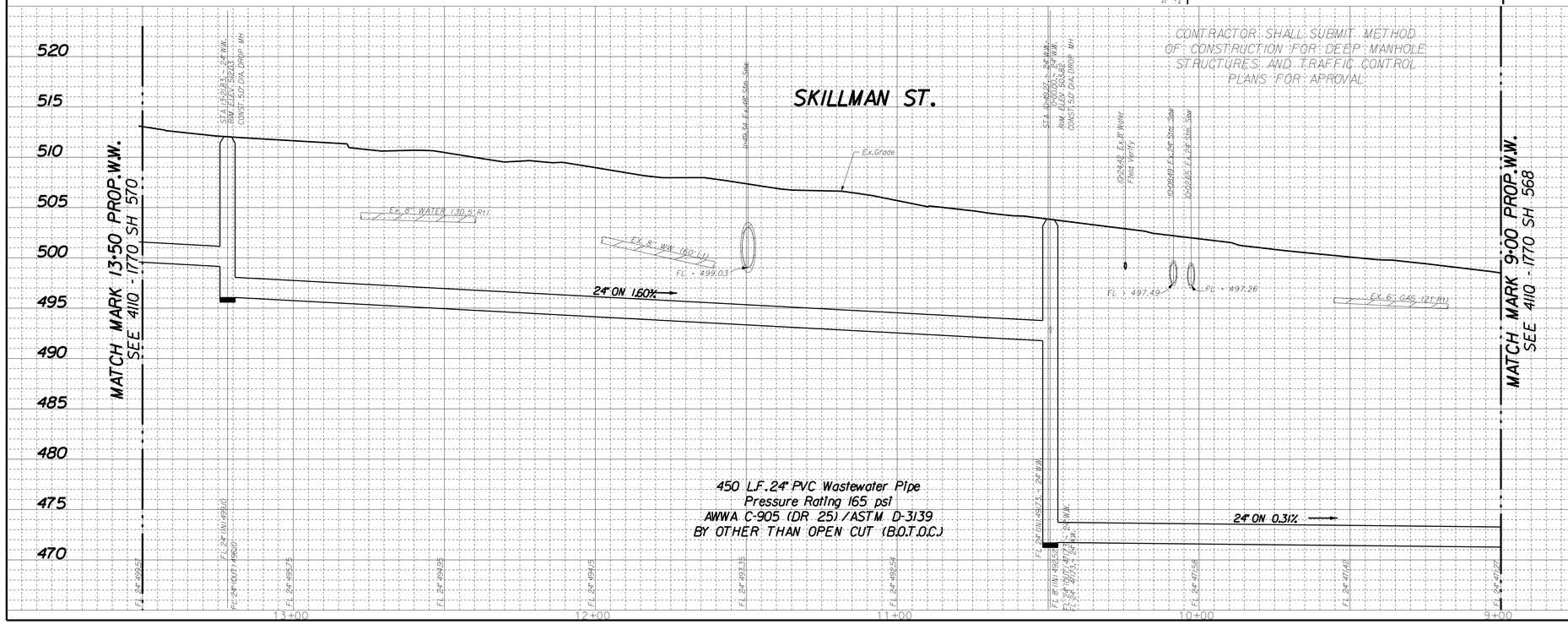
Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working Days Prior To Construction.
Tele: 1-800-344-8377 / 1-800-545-6005

CAUTION
Advanced Metering Infrastructure (AMI) Meters In Area
AMI Components Shall be Disconnected, Reconnected, Removed, or Installed by DWU Personnel ONLY.
Contact DWU Meter Reading Operations (MRO) 5 working days in advance.
Tel: 214-670-5537
Email: DWUMRO@dallascityhall.com



REVISIONS

REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK

BM 1: Square on top of curb center of Storm Sewer Inlet on the West side of Shady Brook Lane and 100' South of Northwest Highway. Elev. 575.6300

BM 2: STD.WDBM on Storm Sewer Inlet on the North side of Southwestern Boulevard and 0.15 mile East of Village Glen Drive. Elv. 541.5304

CP 4: x CUT SET IN CONCRETE S/WALK AT THE SOUTHWEST CORNER OF SKILLMAN ST. AND EASTRIDGE DR. +/- 24 FEET WEST OF A WASTEWATER MANHOLE. ELV. 505.124 FT.

BENCHMARK 56-B-3T (BENCHMARK NOT SHOWN) AT THE INTERSECTION OF CENTRAL EXPRESSWAY AND EUGENE ST. A STD.WDBM IS SET ON TOP OF A CONCRETE CURB AT THE MIDPOINT. SOUTHEAST CORNER OF THE INTERSECTION N.6961990.824 E.2501690.271 ELEVATION 428.29

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
43W-28, 44W-28, & 44W-29
WASTEWATER
43S-28, 44S-28, & 44S-29

BDS Technologies, Inc.
Texas Registered Engineering Firm F-4025



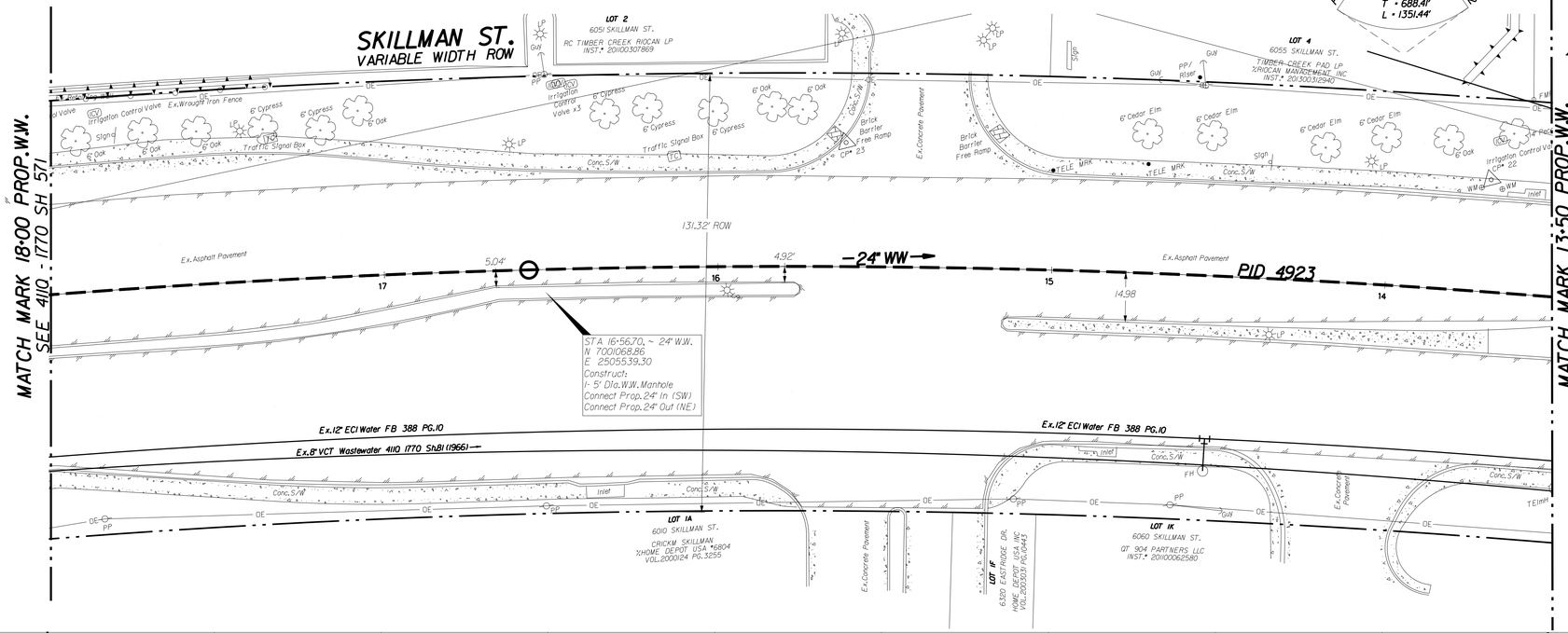
BDS Technologies, Inc.
11111 Pagemill Street, Suite E-200
Dallas, Texas 75243
Texas Board of Professional Engineers Registration No. F-4402

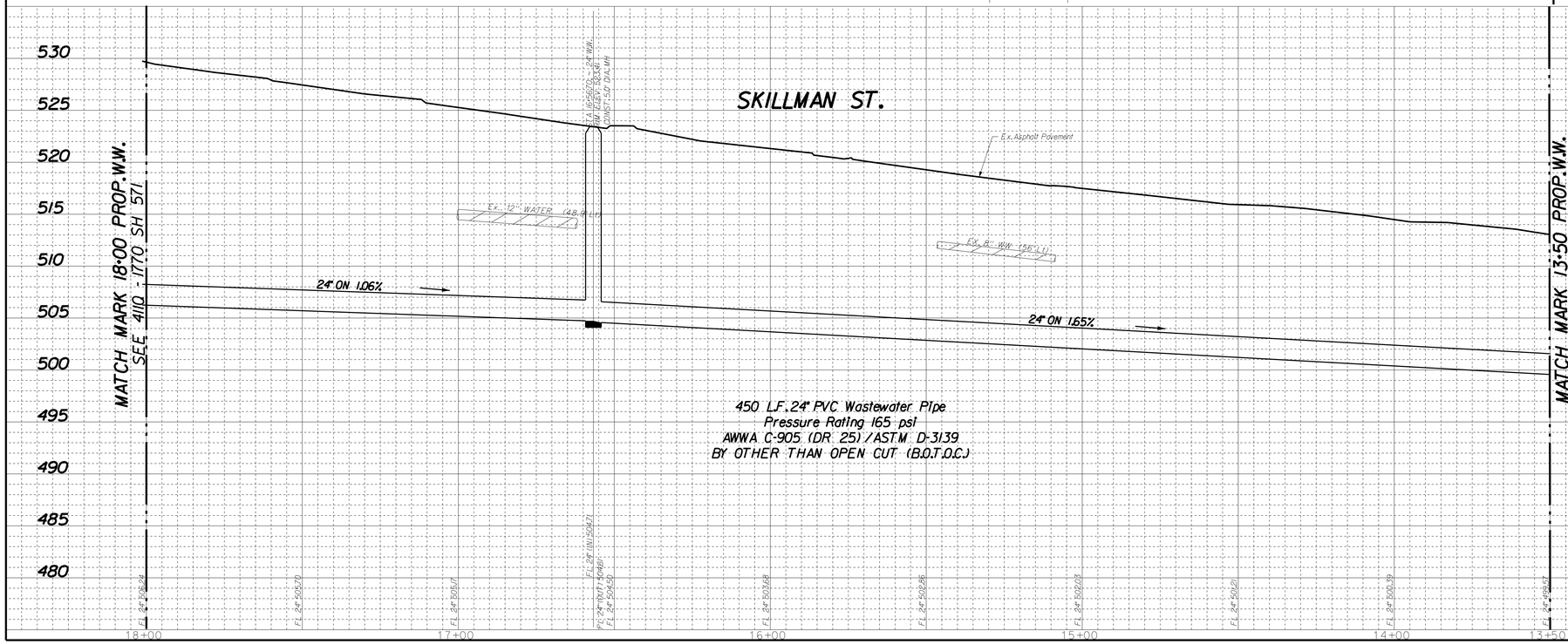
CONTRACT NO. 16-155/156 | PID: 4923

PROPOSED 24" WASTEWATER
SKILLMAN STREET
FROM SOUTHWESTERN BLVD TO LARMANDA DR.
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	OCT 2016	4110	1770	569

CONSTRUCT 24" WASTEWATER MAIN
Along New Horizontal Alignment





CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working Days Prior To Construction.
Tele: 1-800-344-8377 / 1-800-545-6005

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Email: DWUMRD@dallascityhall.com

REVISIONS

REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK

BM 1: Square on top of curb center of Storm Sewer Inlet on the West side of Shady Brook Lane and 100' South of Northwest Highway. Elev. 575.6300

BM 2: STD. WDBM on Storm Sewer Inlet on the North side of Southwestern Boulevard and 0.15 mile East of Village Glen Drive. Elv. 541.5.504

CP 22: X CUT SET IN CONCRETE S./WALK AT THE NORTH SIDE OF SKILLMAN ST. +/- 337 FEET WEST OF THE CENTER OF EASTRIDGE DR ELV. 513.339 FT.

CP 23: X CUT SET IN CONCRETE PAVEMENT AT THE SOUTH SIDE OF THE DRIVEWAY OF ADDRESS • 6051 SKILLMAN ST. ELV. 519.478 FT.

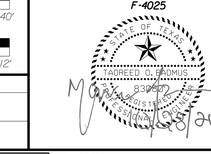
Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES

WATER
43W-28, 44W-28, & 44W-29

WASTEWATER
43S-28, 44S-28, & 44S-29

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025

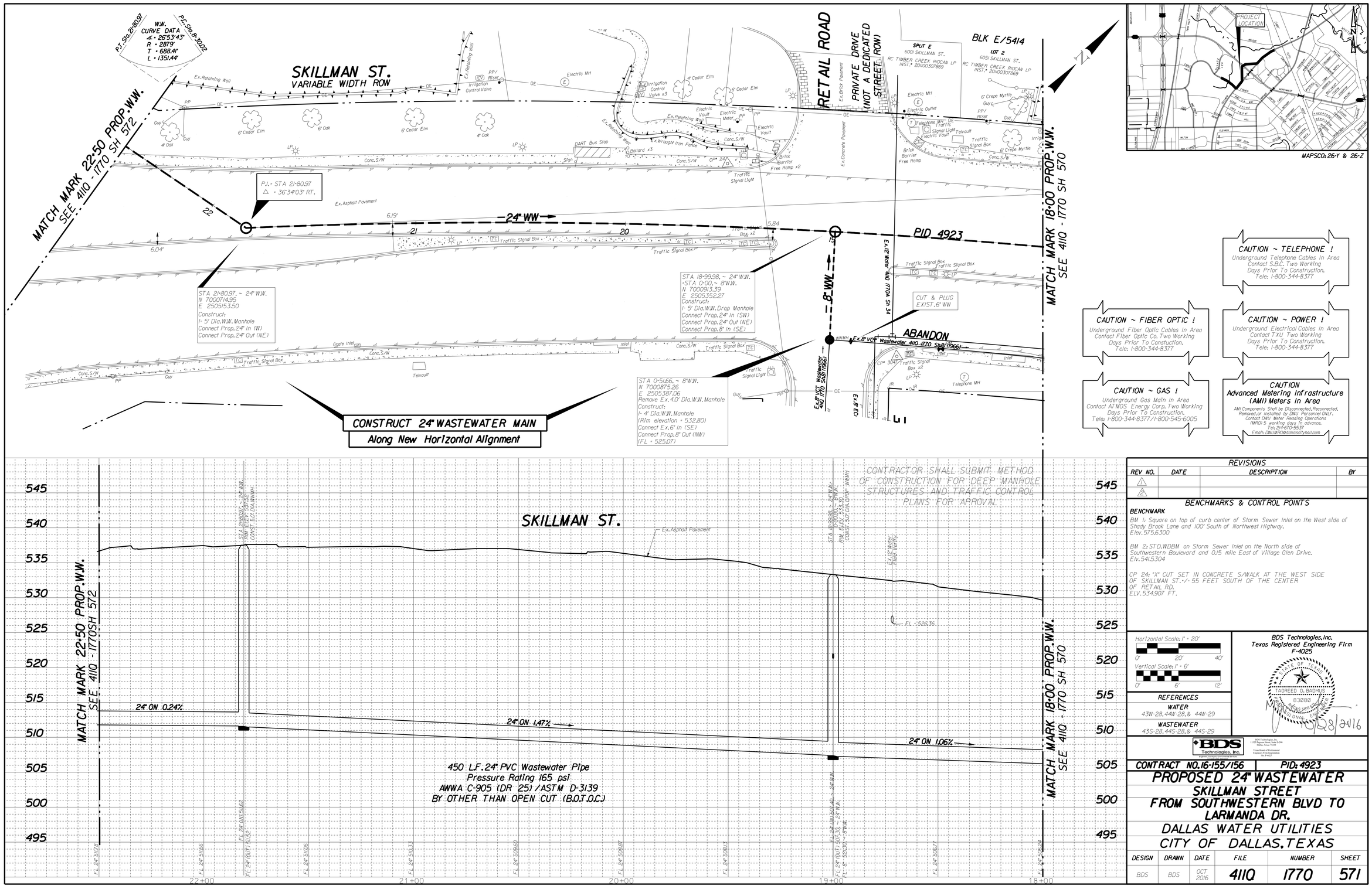


BDS Technologies, Inc.
11111 Pagemill Street, Suite E-200
Dallas, Texas 75243
Texas Board of Professional Engineers Registration No. F-4025

CONTRACT NO. 16-155/156 | **PID: 4923**

PROPOSED 24" WASTEWATER
SKILLMAN STREET
FROM SOUTHWESTERN BLVD TO LARMANDA DR.
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	OCT 2016	4110	1770	570



CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working Days Prior To Constuction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working Days Prior To Construction.
Tele: 1-800-344-8377 / 1-800-545-6005

CAUTION
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Contact DWU Meter Reading Operations (MRO) 5 working days in advance.
Tel: 214-670-5537
Email: DWUMRO@dallascityhall.com

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK

BM 1: Square on top of curb center of Storm Sewer Inlet on the West side of Shady Brook Lane and 100' South of Northwest Highway.
Elev. 575.6300

BM 2: STD.WDBM on Storm Sewer Inlet on the North side of Southwestern Boulevard and 0.15 mile East of Village Glen Drive.
Elv. 541.5304

CP 24: "X" CUT SET IN CONCRETE S/WALK AT THE WEST SIDE OF SKILLMAN ST. +/- 55 FEET SOUTH OF THE CENTER OF RETAIL RD.
ELV. 534.907 FT.

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES

WATER
43W-28, 44W-28, & 44W-29

WASTEWATER
43S-28, 44S-28, & 44S-29

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025

STATE OF TEXAS
TAGREED O. BADWAN
83080
REGISTERED PROFESSIONAL ENGINEER
10/28/2016

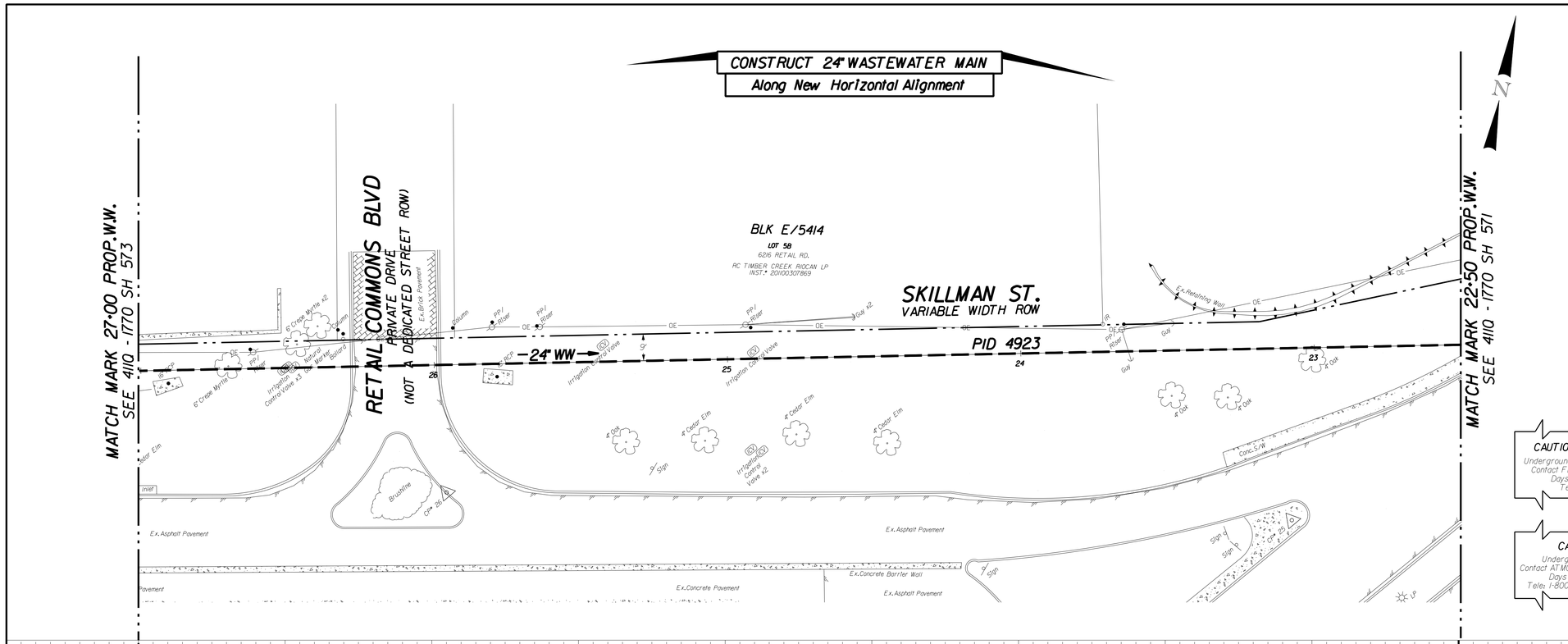
BDS Technologies, Inc.
Licensed Texas Engineering Firm F-4025
BDS Technologies, Inc.
11121 Pegasus Street, Suite T-200
Dallas, Texas 75238
Texas Board of Professional Engineers Registration No. F-4025

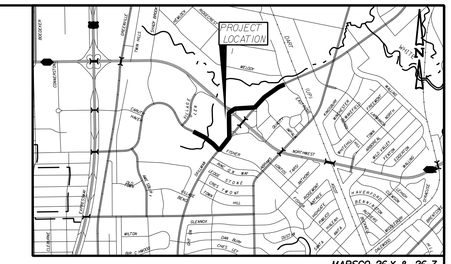
CONTRACT NO. 16-155/156 | PID: 4923

PROPOSED 24" WASTEWATER SKILLMAN STREET FROM SOUTHWESTERN BLVD TO LARMANDA DR.

DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	OCT 2016	4110	1770	571





MAPSCO: 26-Y & 26-Z

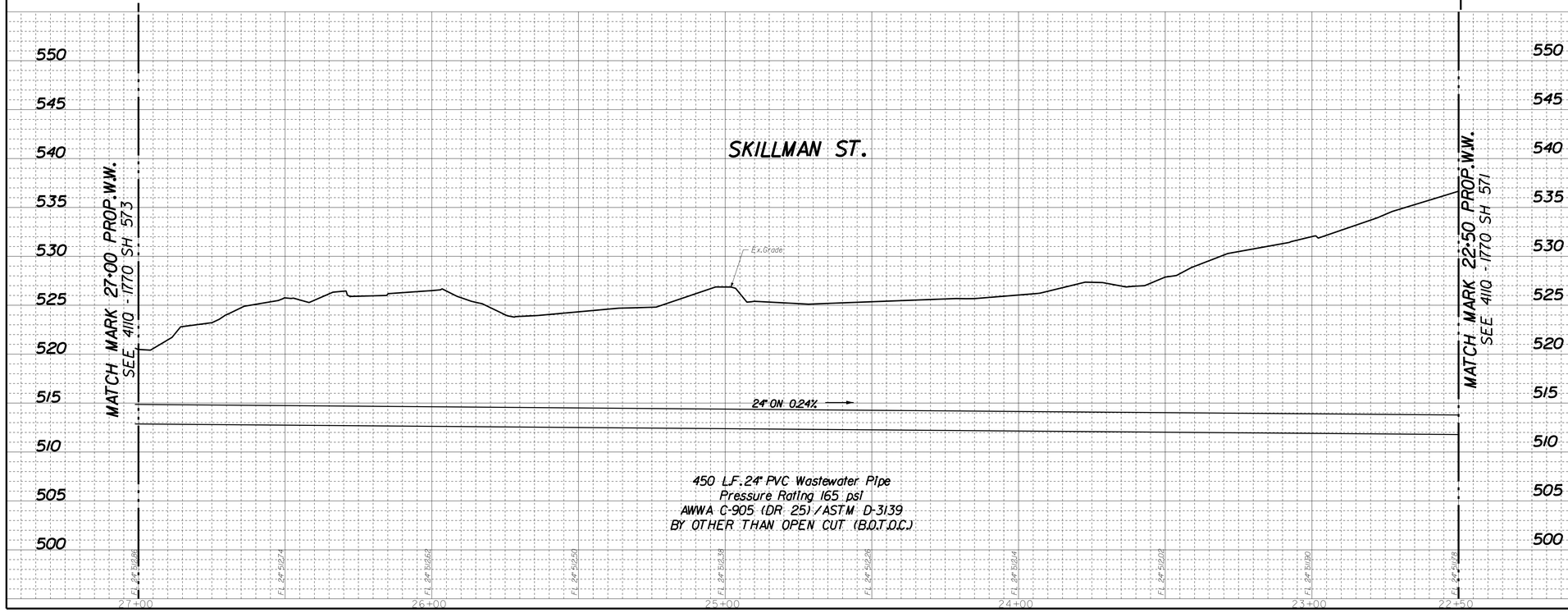
CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working
Days Prior To Constuction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005

CAUTION
Advanced Metering Infrastructure (AMI) Meters In Area
AMI Components Shall be Disconnected, Reconnected, Removed, or Installed by DWU Personnel ONLY. Contact DWU Meter Reading Operations (MRO) 5 working days in advance.
Tel: 214-670-5537
Email: DWUMRO@dallascityhall.com



REVISIONS

REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK

BM 1: Square on top of curb center of Storm Sewer Inlet on the West side of Shady Brook Lane and 100' South of Northwest Highway.
Elev. 575.6300

BM 2: STD.WDBM on Storm Sewer Inlet on the North side of Southwestern Boulevard and 0.15 mile East of Village Glen Drive.
Elv. 541.5304

CP 25: "X"CUT SET AT THE NORTHERLY NOSE OF CONCRETE ISLAND, EAST OF THE EXIT RAMP TO WEST NORTHWEST HWY.
ELV: 538.49 FT.

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
43W-28, 44W-28, & 44W-29
WASTEWATER
43S-28, 44S-28, & 44S-29

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025

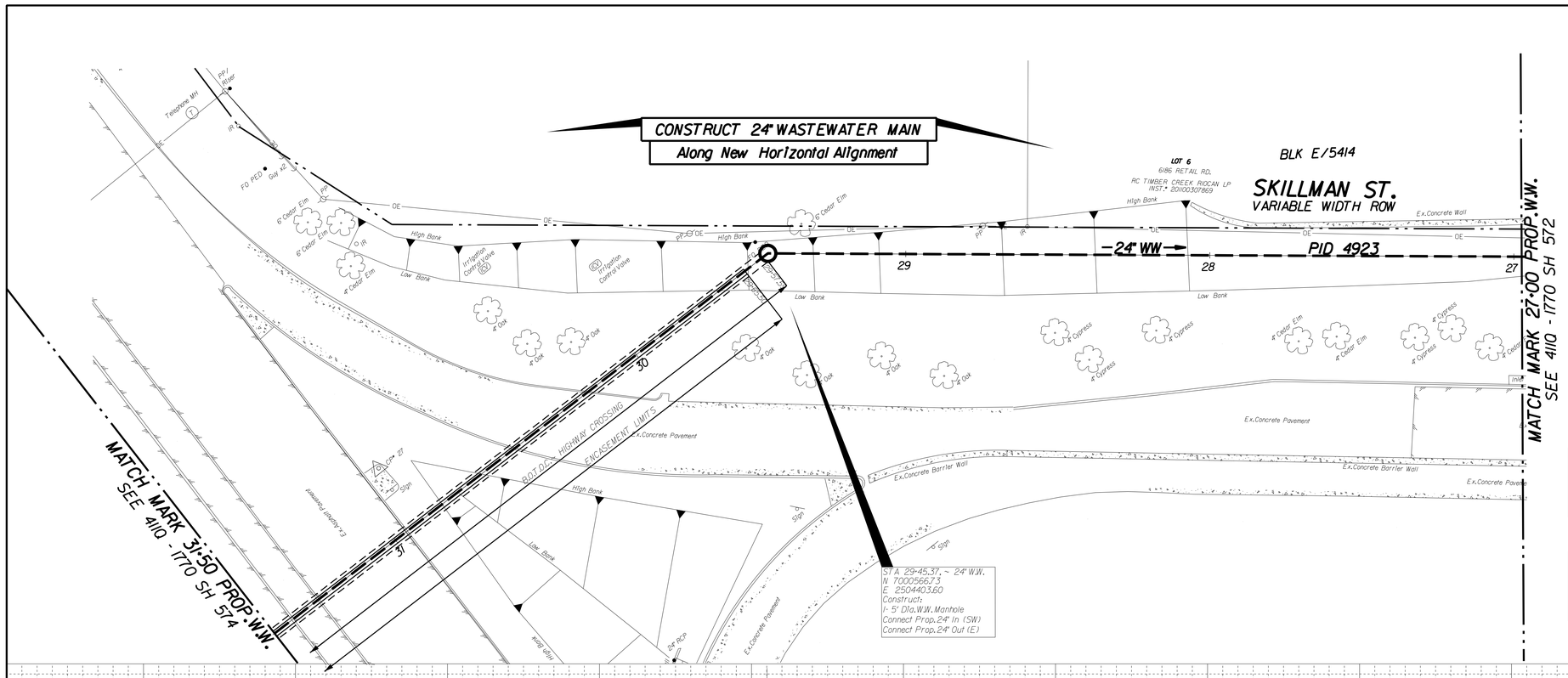
STATE OF TEXAS
TAOREED O. BADMUS
83080
REGISTERED PROFESSIONAL ENGINEER
10/28/2016

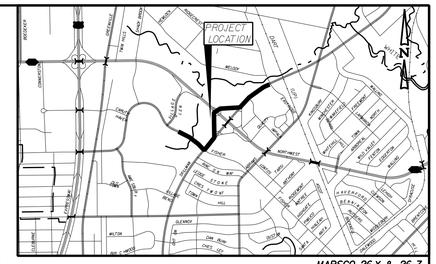
BDS Technologies, Inc.
Engineers, Consultants, Surveyors, Architects
BDS Technologies, Inc.
11525 Pagemill Road, Suite 1-200
Dallas, Texas 75243
Texas Board of Professional Engineers Firm Registration No. F-4025

CONTRACT NO. 16-155/156 | PID: 4923

PROPOSED 24" WASTEWATER
SKILLMAN STREET
FROM SOUTHWESTERN BLVD TO LARMANDA DR.
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	OCT 2016	4110	1770	572





MAPSCO: 26-Y & 26-Z

CAUTION ~ TELEPHONE !
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Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working
Days Prior To Constuction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
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Days Prior To Construction.
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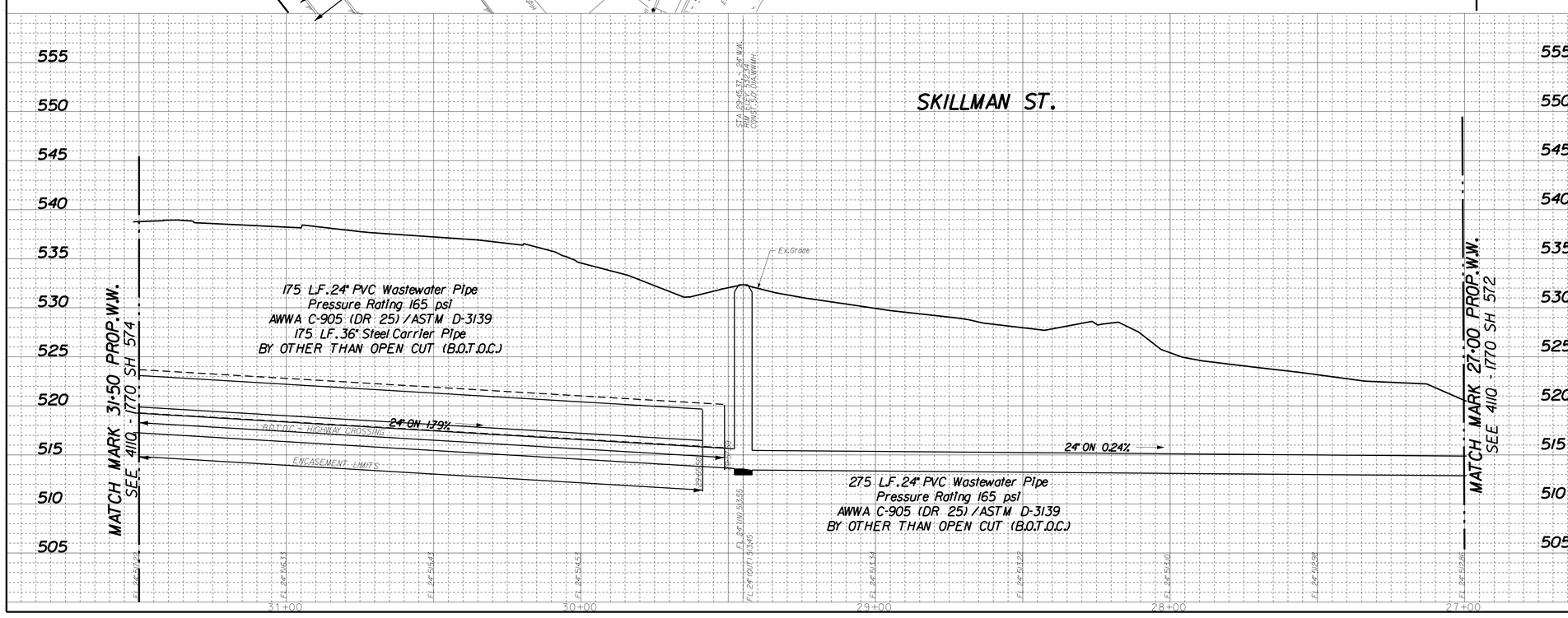

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
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BENCHMARKS & CONTROL POINTS

BENCHMARK

BM 1: Square on top of curb center of Storm Sewer Inlet on the West side of Shady Brook Lane and 100' South of Northwest Highway.
Elev. 575.6300

BM 2: STD.WDBM on Storm Sewer Inlet on the North side of Southwestern Boulevard and 0.15 mile East of Village Glen Drive.
Elv. 541.5304

SP 27 X CUT SET IN CONCRETE PAD AT THE NORTH SIDE OF NORTHWEST HWY. 20' 486 FEET EAST OF THE EAST OF FIBER WAY
Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025

STATE OF TEXAS
TADREED Q. BADMUS
83080
REGISTERED
PROFESSIONAL ENGINEER
10/28/2016

REFERENCES

WATER
43W-28, 44W-28, & 44W-29

WASTEWATER
43S-28, 44S-28, & 44S-29

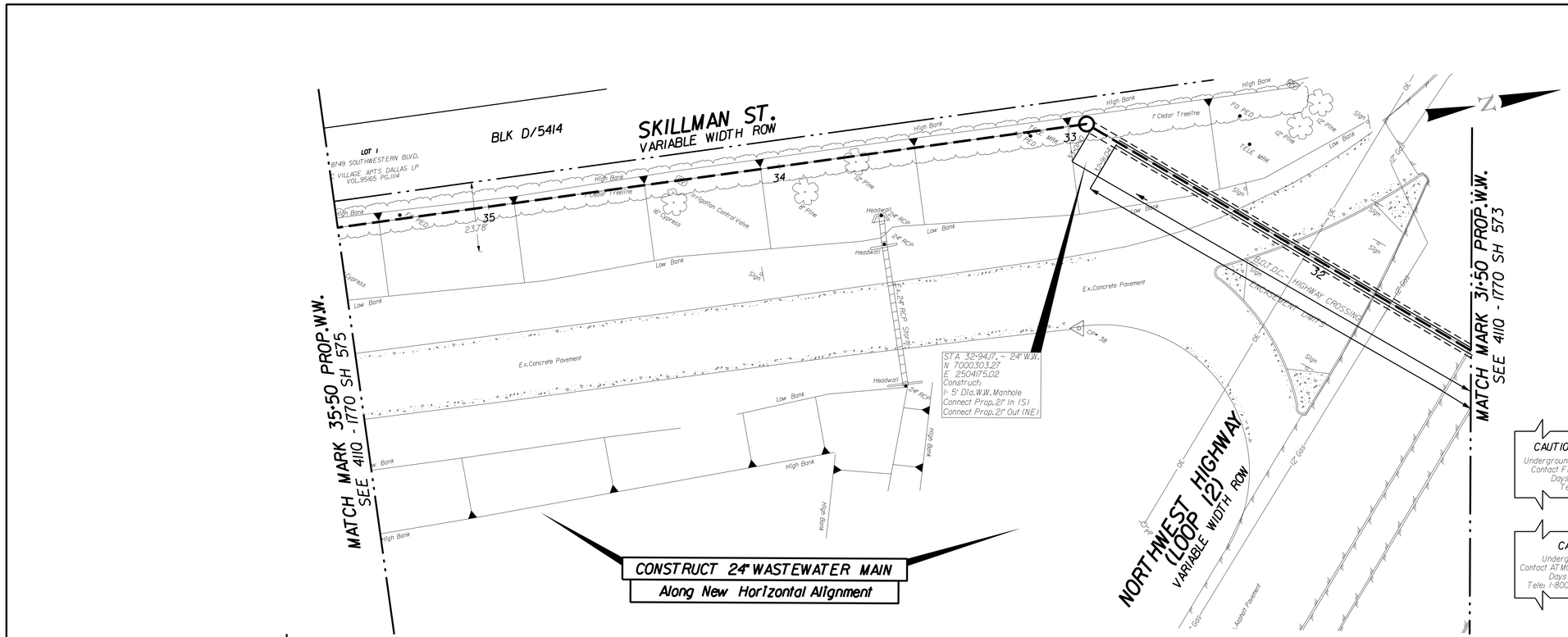
BDS Technologies, Inc.
Engineers Surveyors Environmental Services

BDS Technologies, Inc.
11127 Pagemill Road, Suite 1-200
Dallas, Texas 75230
Texas Board of Professional Engineers Firm Registration No. F-4025

CONTRACT NO. 16-155/156	PID: 4923

PROPOSED 24" WASTEWATER
SKILLMAN STREET
FROM SOUTHWESTERN BLVD TO LARMANDA DR.
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	OCT 2016	4110	1770	573



REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
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BENCHMARKS & CONTROL POINTS

BENCHMARK

BM 1: Square on top of curb center of Storm Sewer Inlet on the West side of Shady Brook Lane and 100' South of Northwest Highway.
Elev. 575.6300

BM 2: STD.WDBM on Storm Sewer Inlet on the North side of Southwestern Boulevard and 0.15 mile East of Village Glen Drive.
Elv. 541.5304

CP 38: "X " CUT SET IN CONCRETE AT THE EAST SIDE OF THE SOUTH BOUND EXIT RAMP TO SKILLMAN ST. +/-56 FEET NORTH OF A 24 FOOT RCP HEADWALL.
ELV. 539.906 FT.

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
43W-28, 44W-28, & 44W-29
WASTEWATER
43S-28, 44S-28, & 44S-29

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025

STATE OF TEXAS
TAOREED O. BADMUS
83080
REGISTERED PROFESSIONAL ENGINEER
10/28/2016

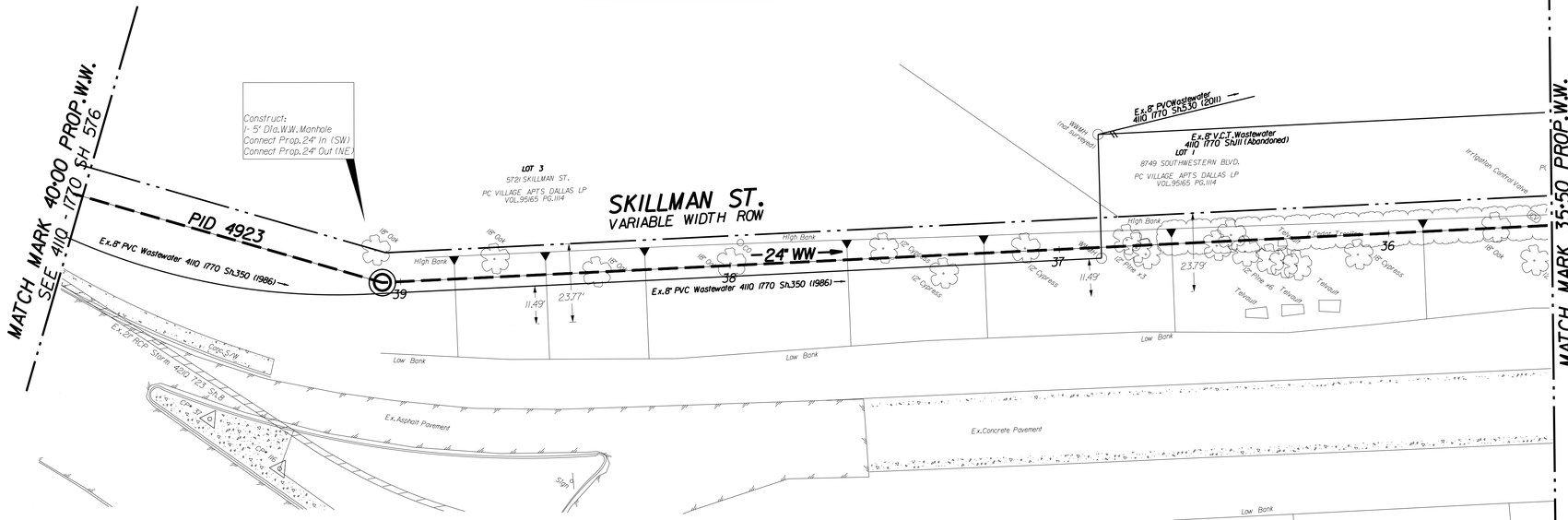
BDS Technologies, Inc.
BDS Technologies, Inc.
11157 Pagemill Road, Suite E-208
Dallas, Texas 75230
Texas Board of Professional Engineers Firm Registration No. F-4025

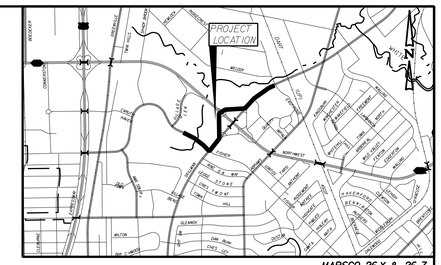
CONTRACT NO. 16-155/156 | PID: 4923

PROPOSED 24" WASTEWATER
SKILLMAN STREET
FROM SOUTHWESTERN BLVD TO LARMANDA DR.
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	OCT 2016	4110	1770	574

CONSTRUCT 24" WASTEWATER MAIN
Along New Horizontal Alignment





CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
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Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
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Tele: 1-800-344-8377

CAUTION ~ POWER !
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Days Prior To Construction.
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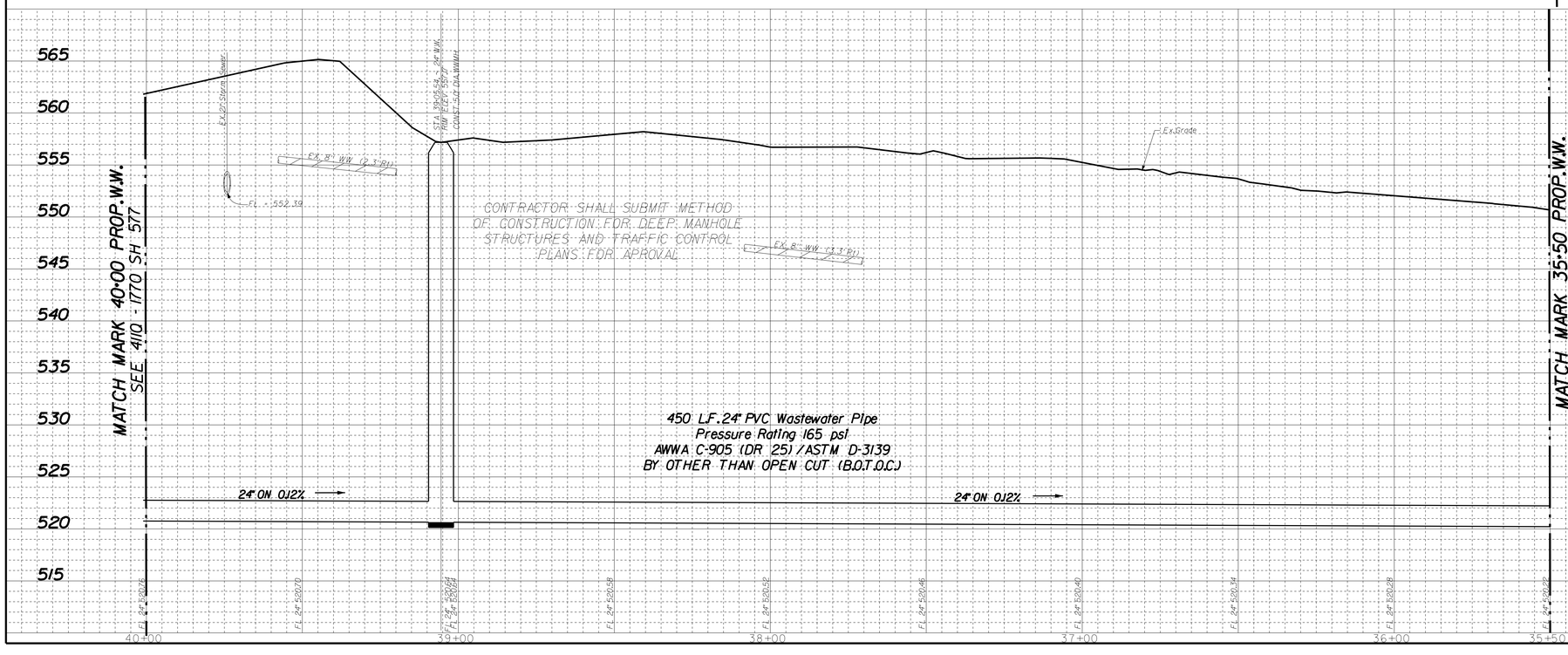

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK

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Elev. 575.6300

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Elv. 541.5304

CP 37: "X" CUT SET IN CONCRETE AT THE SOUTH PART OF A TRIANGULAR MEDIAN ALONG SKILLMAN ST. +/- 590 FT NORTHEAST THE CENTER OF SOUTHWESTERN BLVD.
ELV. 554.964 FT.

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
43W-28, 44W-28, & 44W-29
WASTEWATER
43S-28, 44S-28, & 44S-29

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025

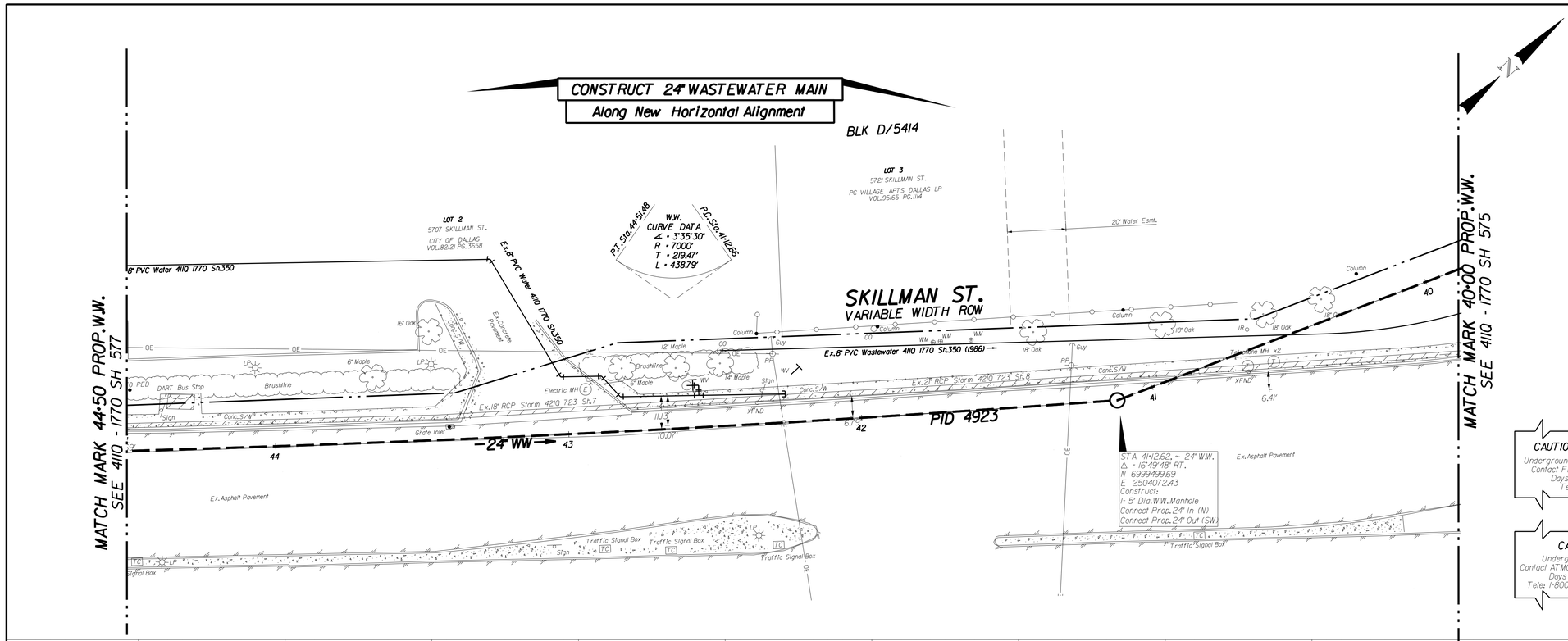


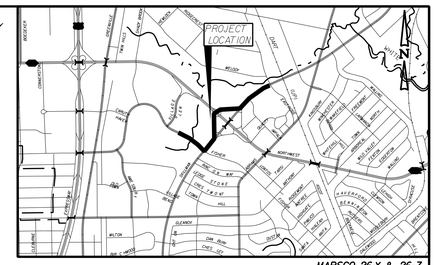
BDS Technologies, Inc.
1101 Elm Street, Suite 2200
Dallas, Texas 75270
Texas Board of Professional Engineers Firm Registration No. F-4025

CONTRACT NO. 16-155/156 | PID: 4923

PROPOSED 24" WASTEWATER
SKILLMAN STREET
FROM SOUTHWESTERN BLVD TO LARMANDA DR.
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	OCT. 2016	4110	1770	575





MAPSCO: 26-Y & 26-Z

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Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
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Days Prior To Constuction.
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CAUTION ~ POWER !
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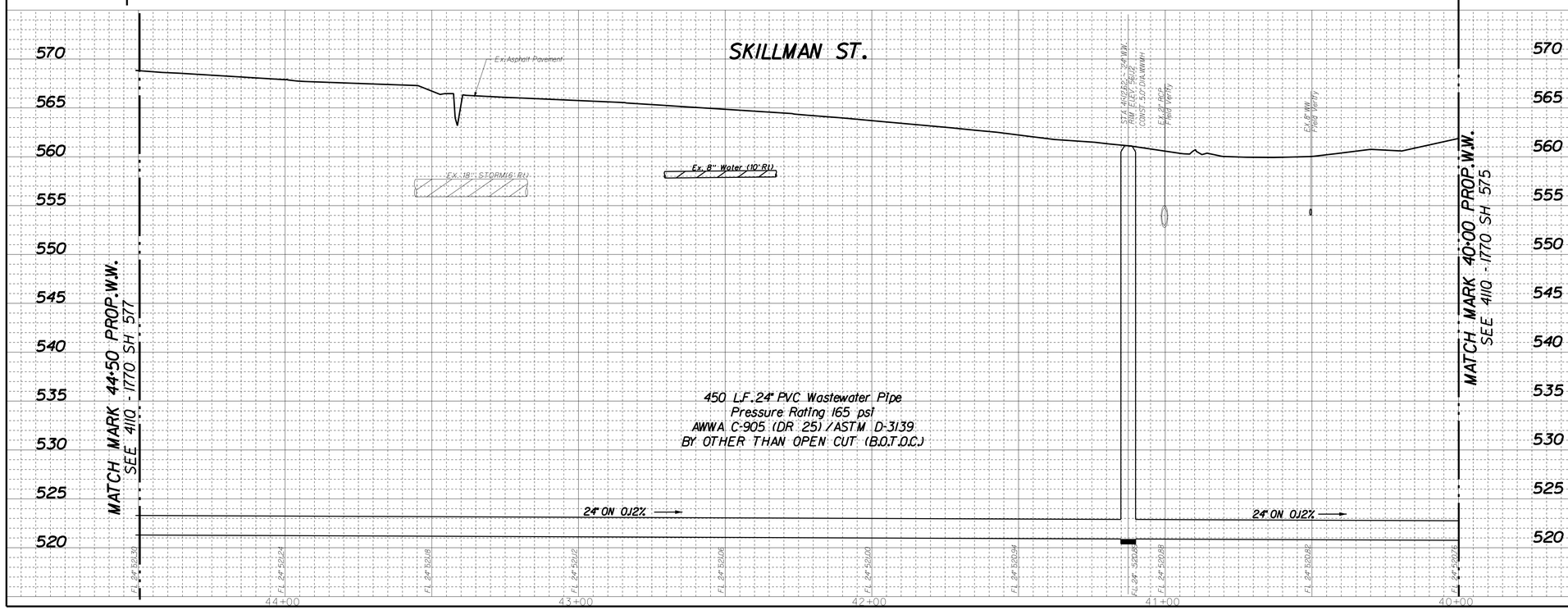


REVISIONS

REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK

BM 1: Square on top of curb center of Storm Sewer Inlet on the West side of Shady Brook Lane and 100' South of Northwest Highway.
Elev. 575.6300

BM 2: STD.WDBM on Storm Sewer Inlet on the North side of Southwestern Boulevard and 0.15 mile East of Village Glen Drive.
Elv. 541.5304

CP 115: "X" CUT FOUND IN CONCRETE WALK ON THE EAST SIDE OF SKILLMAN ST. +/- 422 FEET NORTH OF THE CENTER OF SOUTHWESTERN BLVD.
ELV. 561.223 FT.

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025

STATE OF TEXAS
TAOREED O. BADMUS
83080
REGISTERED
PROFESSIONAL ENGINEER
10/28/2016

REFERENCES

WATER
43W-28, 44W-28, & 44W-29

WASTEWATER
43S-28, 44S-28, & 44S-29

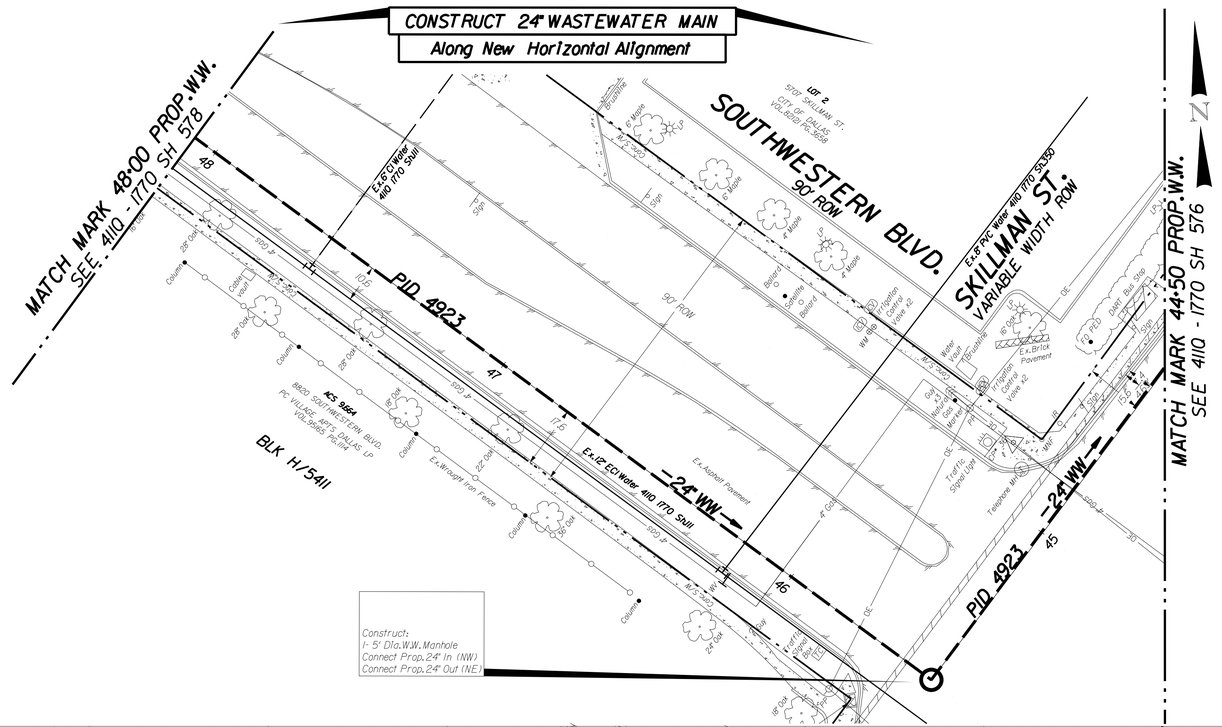
BDS Technologies, Inc.
Engineers, Consultants, Professional Services

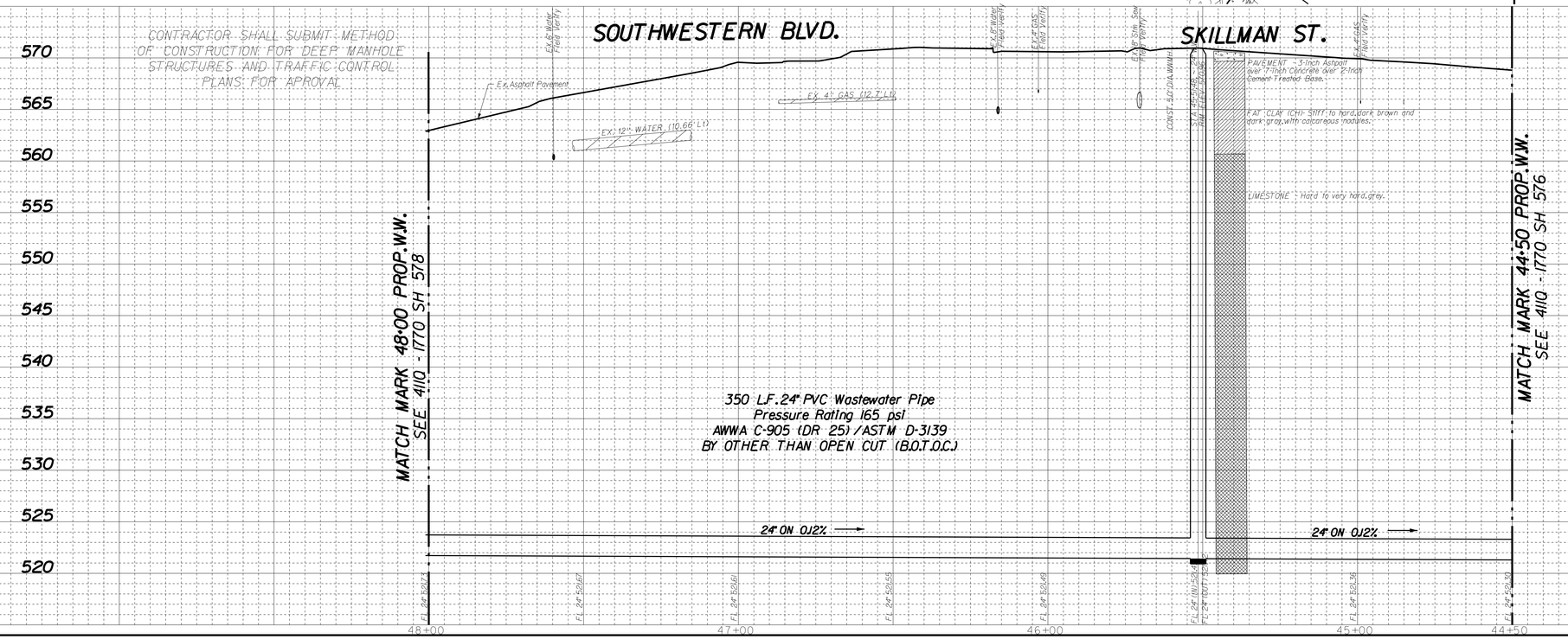
BDS Technologies, Inc.
11127 Pagemill Street, Suite B-206
Dallas, Texas 75230
Texas Board of Professional Engineers Firm Registration No. F-4025

CONTRACT NO. 16-155/156 | **PID: 4923**

PROPOSED 24" WASTEWATER
SKILLMAN STREET
FROM SOUTHWESTERN BLVD TO LARMANDA DR.
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	OCT 2016	4110	1770	576





REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK

BM 1: Square on top of curb center of Storm Sewer Inlet on the West side of Shady Brook Lane and 100' South of Northwest Highway.
Elev. 575.6300

BM 2: STD.WDBM on Storm Sewer Inlet on the North side of Southwestern Boulevard and 0.15 mile East of Village Glen Drive.
Elv. 541.5304

CP 36: "X" CUT SET IN CONCRETE WALK AT THE NORTHWEST CORNER OF SKILLMAN ST. AND SOUTHWESTERN BLVD.
ELV. 570.096 FT.

Horizontal Scale: 1" = 20'
0' 20' 40'

Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES

WATER
43W-28, 44W-28, & 44W-29

WASTEWATER
43S-28, 44S-28, & 44S-29

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025

STATE OF TEXAS
TAGREED G. BADMUS
83080
LICENSED PROFESSIONAL ENGINEER
05/28/2016

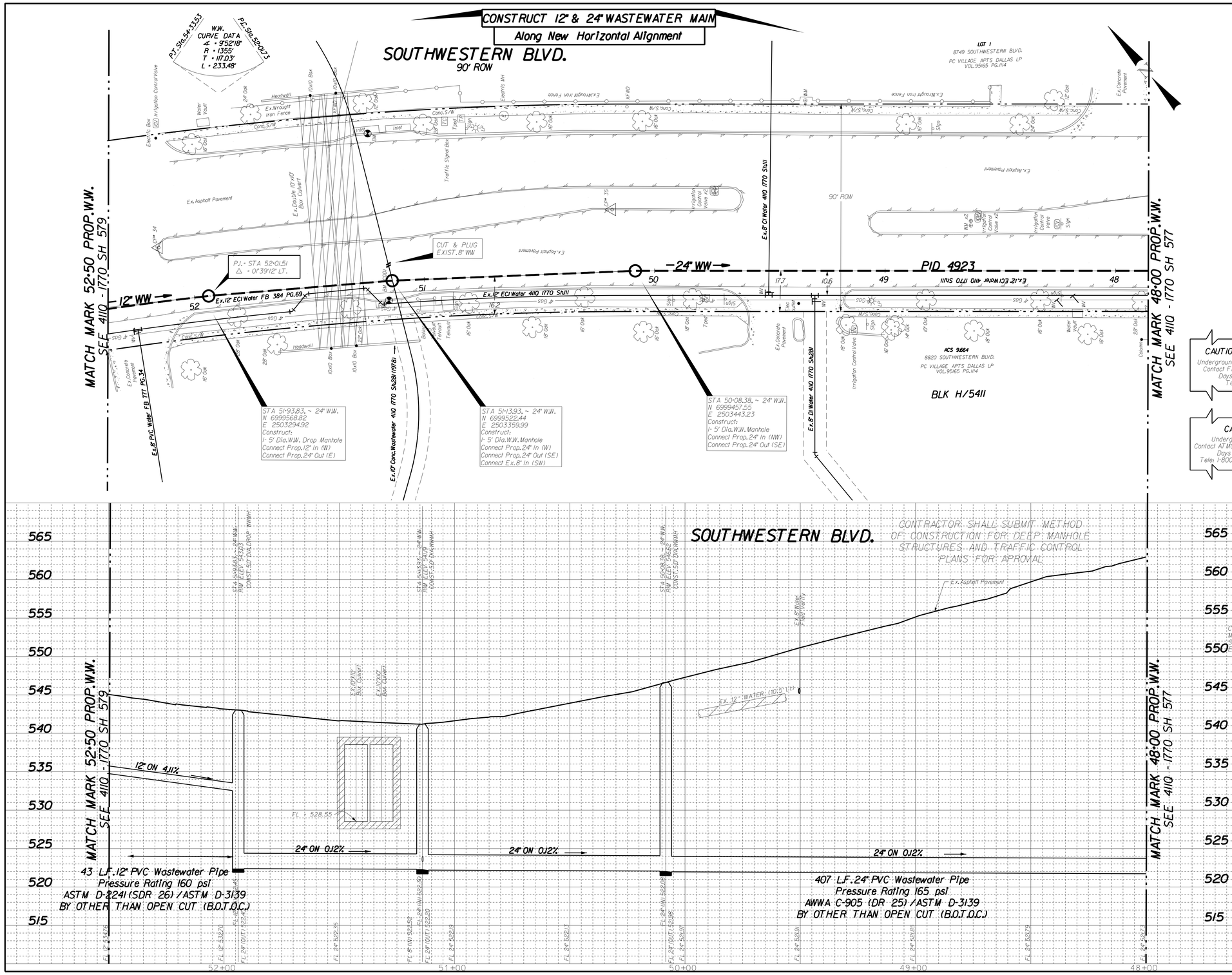
BDS Technologies, Inc.
11225 Pagemill Street, Suite D-200
Dallas, Texas 75243
Texas Board of Professional Engineers Registration No. F-4402

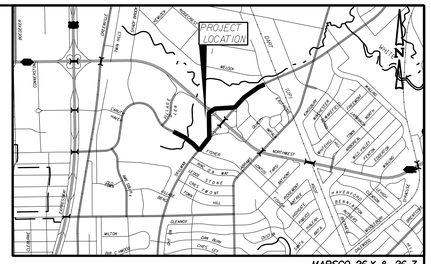
CONTRACT NO. 16-155/156 | PID: 4923

PROPOSED 24" WASTEWATER SKILLMAN STREET FROM SOUTHWESTERN BLVD TO LARMANDA DR.

DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	OCT 2016	4110	1770	577





MAPSCO: 26-Y & 26-Z

CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working Days Prior To Constuction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005

CAUTION
Advanced Metering Infrastructure (AMI) Meters In Area
AMI Components Shall be Disconnected, Reconnected, Removed, or Installed by DWU Personnel ONLY. Contact DWU Meter Reading Operations (MRO) 5 working days in advance.
Tel: 214-670-5537
Email: DWUMRO@dallascityhall.com

REVISIONS

REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK

BM 1: Square on top of curb center of Storm Sewer Inlet on the West side of Shady Brook Lane and 100' South of Northwest Highway.
Elev. 575.6300

BM 2: STD.WDBM on Storm Sewer Inlet on the North side of Southwestern Boulevard and 0.15 mile East of Village Glen Drive.
Elv. 541.5304

CP 37: "X" CUT SET IN CONCRETE AT THE SOUTH PART OF A TRIANGULAR MEDIAN ALONG SKILLMAN ST. +/- 590 FT NORTHEAST THE CENTER OF SOUTHWESTERN BLVD.
ELV. 554.964 FT.

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
43W-28, 44W-28, & 44W-29
WASTEWATER
43S-28, 44S-28, & 44S-29

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025

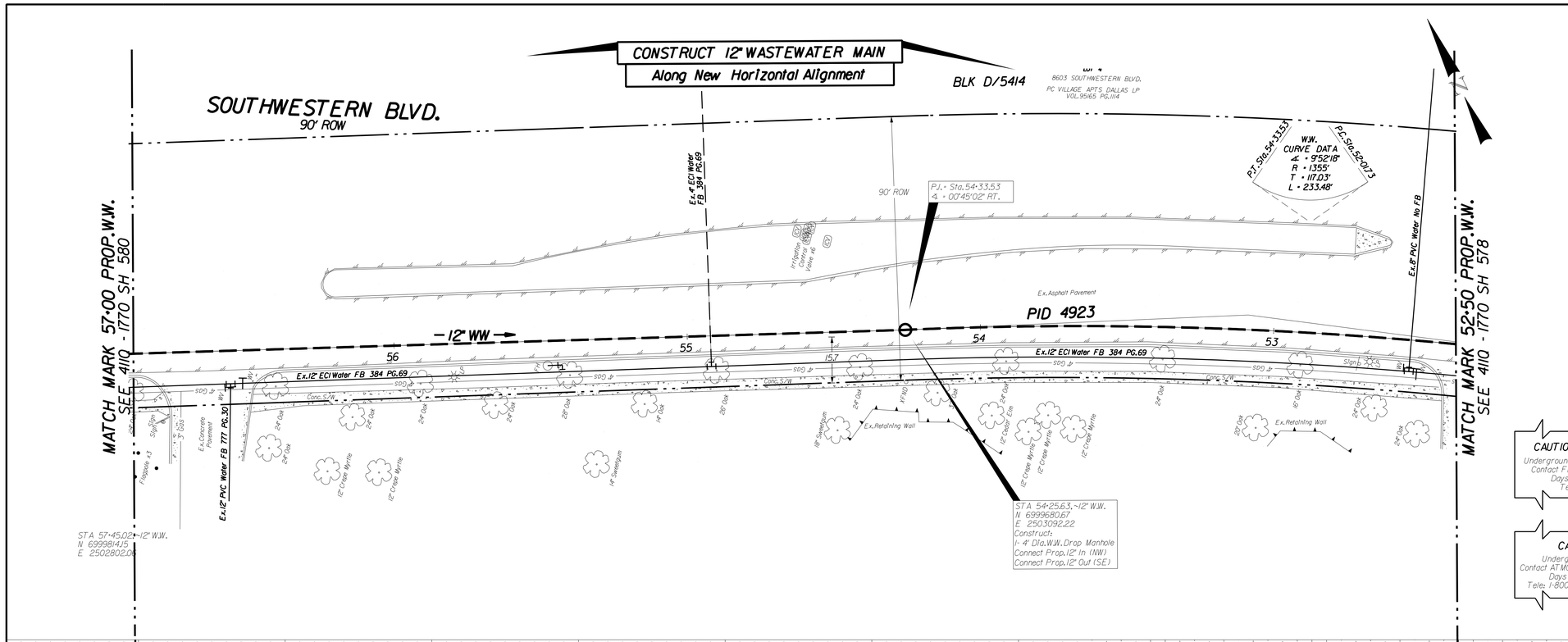
STATE OF TEXAS
TAOREED O. BADMUS
83080
REGISTERED PROFESSIONAL ENGINEER
10/28/2016

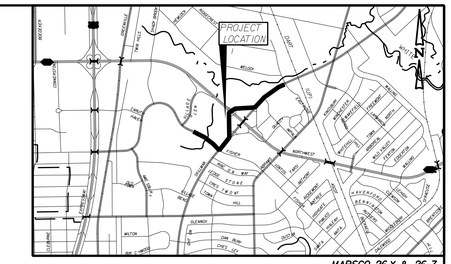
BDS Technologies, Inc.
BDS Technologies, Inc.
11127 Pagano Street, Suite E-200
Dallas, Texas 75218
Texas Board of Professional Engineers Firm Registration No. F-4025

CONTRACT NO. 16-155/156 | PID: 4923

PROPOSED 24" WASTEWATER
SKILLMAN STREET
FROM SOUTHWESTERN BLVD TO LARMANDA DR.
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	OCT 2016	4110	1770	578





MAPSCO: 26-Y & 26-Z

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Underground Fiber Optic Cables In Area
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Days Prior To Constuction.
Tele: 1-800-344-8377

CAUTION ~ POWER !
Underground Electrical Cables In Area
Contact TXU Two Working
Days Prior To Construction.
Tele: 1-800-344-8377

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005

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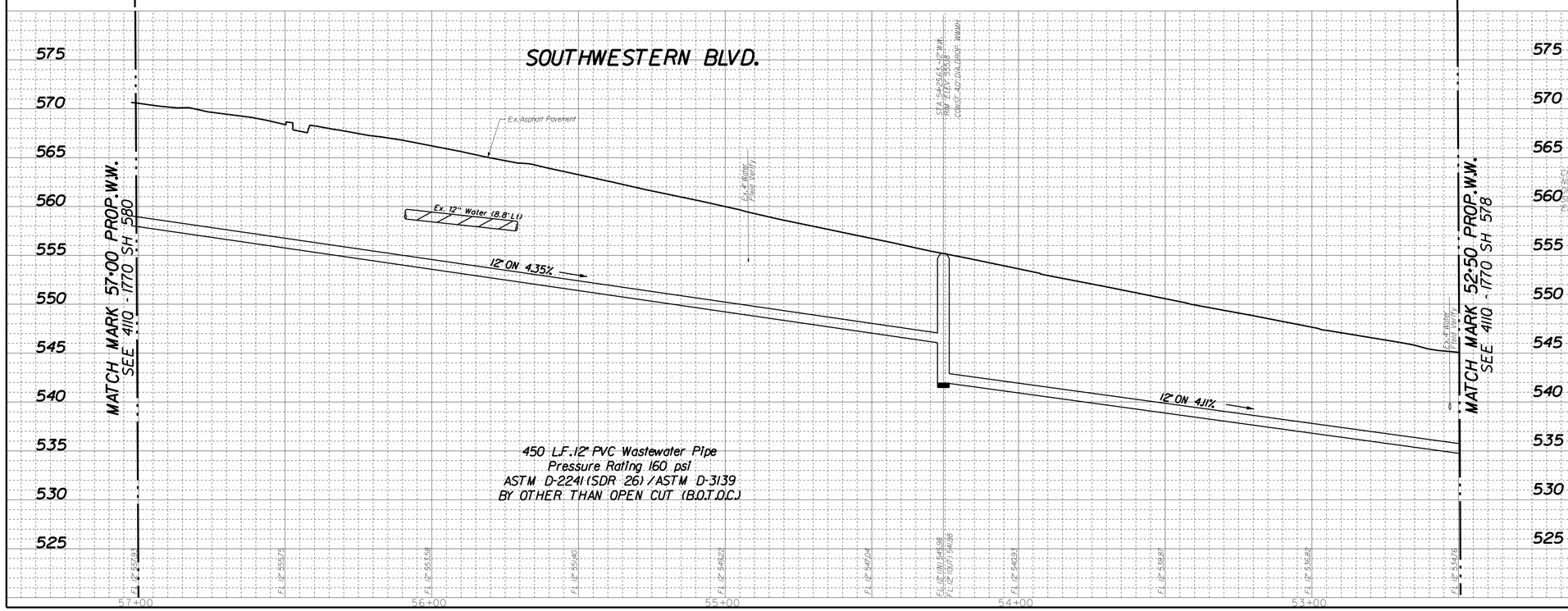


REVISIONS

REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK

BM 1: Square on top of curb center of Storm Sewer Inlet on the West side of Shady Brook Lane and 100' South of Northwest Highway.
Elev.575.6300

BM 2: STD.WDBM on Storm Sewer Inlet on the North side of Southwestern Boulevard and 0.15 mile East of Village Glen Drive.
Elv.541.5304

CP 34: "X" CUT SET ON TOP OF CONCRETE CURB AT THE NOSE OF MEDIAN OF SOUTHWESTERN BLVD.+/-700 FEET WEST OF THE CENTERLINE INTERSECTION OF SKILLMAN ST.AND SOUTHWESTERN BLVD.
ELV.544.165 FT.

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
43W-28, 44W-28, & 44W-29
WASTEWATER
43S-28, 44S-28, & 44S-29

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025

STATE OF TEXAS
TAOREED O. BADMUS
83080
REGISTERED PROFESSIONAL ENGINEER
10/28/2016

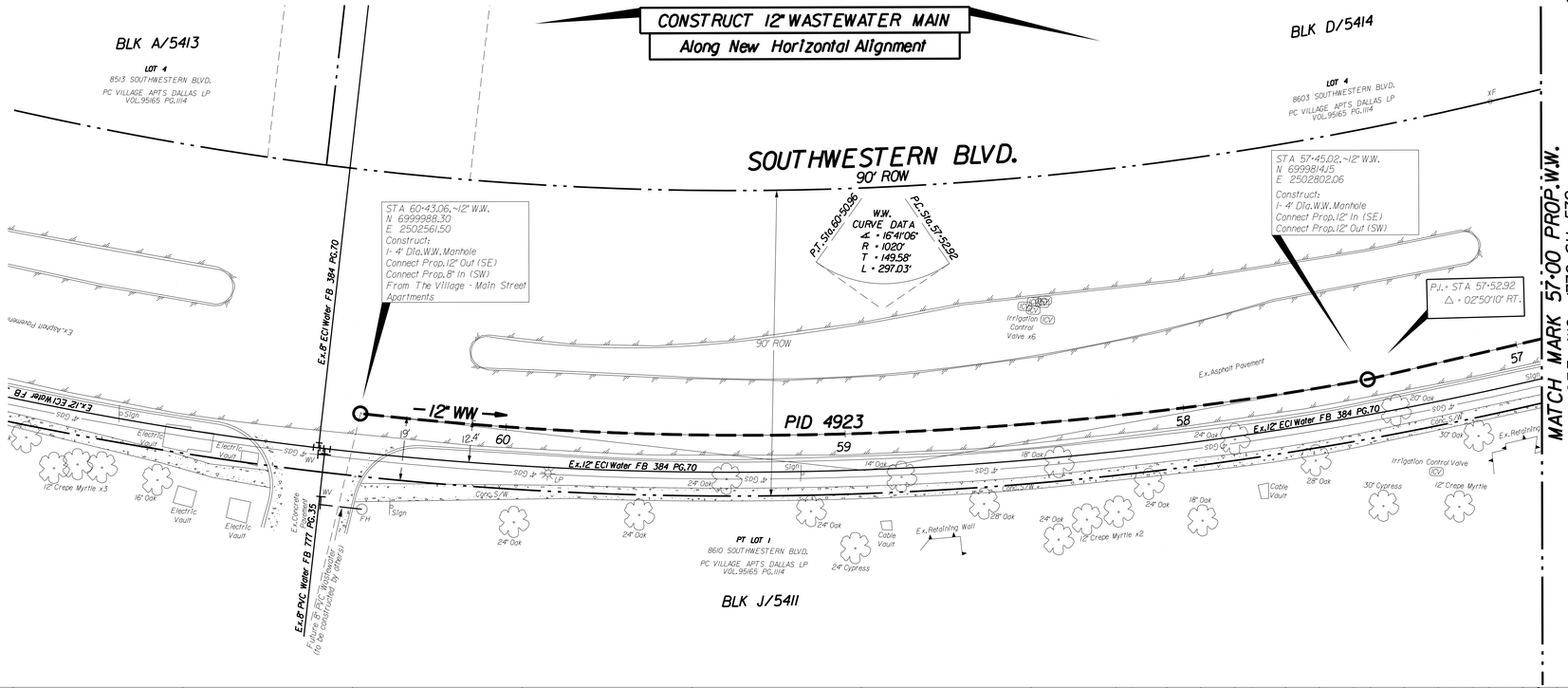
BDS Technologies, Inc.
Engineering, Surveying, Environmental Services
BDS Technologies, Inc.
11157 Pagemo Street, Suite 1-200
Dallas, Texas 75218
Texas Board of Professional Engineers Firm Registration No. F-4025

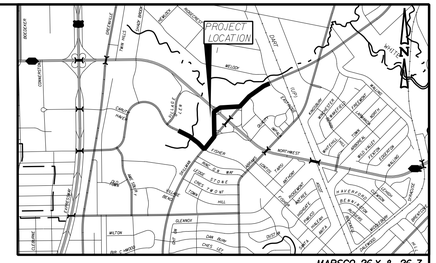
CONTRACT NO.16-155/156 | PID: 4923

PROPOSED 12" WASTEWATER
SKILLMAN STREET
FROM SOUTHWESTERN BLVD TO LARMANDA DR.
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	OCT 2016	4110	1770	579

CONSTRUCT 12" WASTEWATER MAIN
Along New Horizontal Alignment





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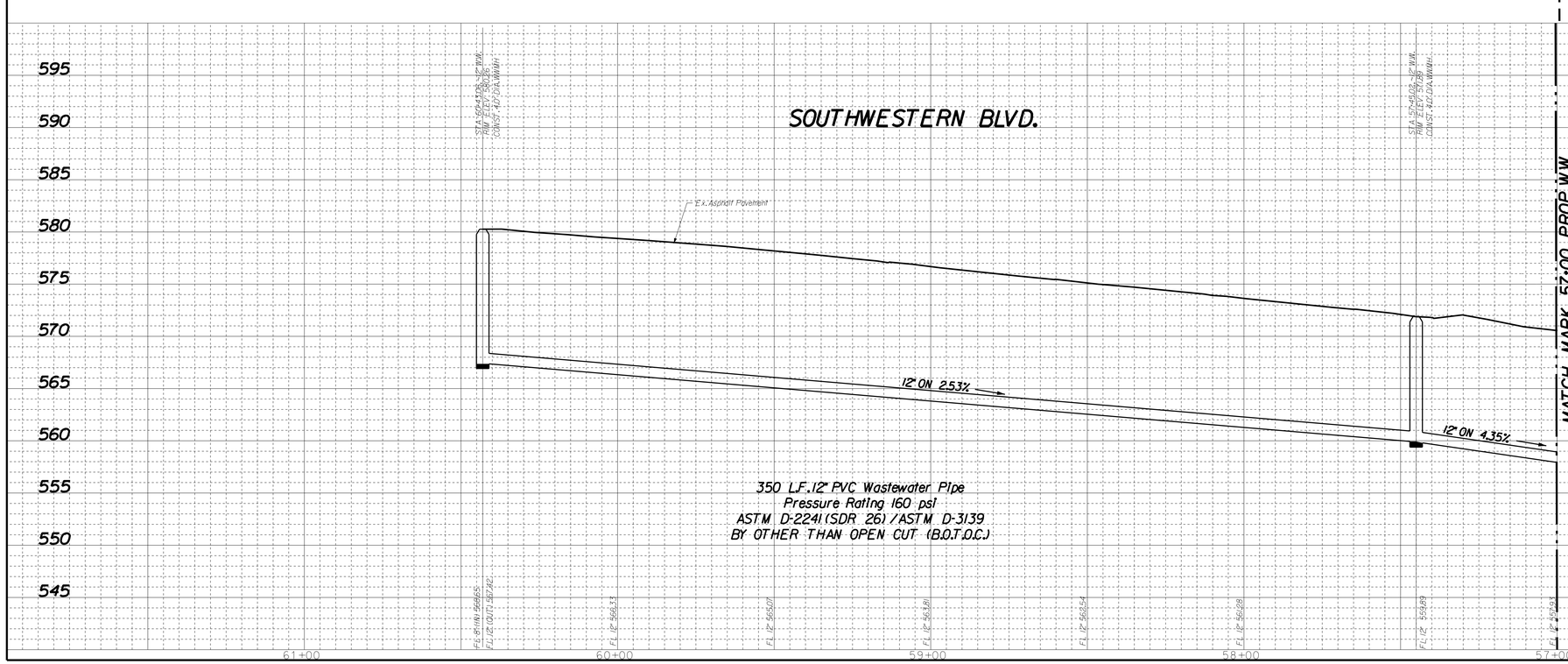

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

BENCHMARK

BM 1: Square on top of curb center of Storm Sewer Inlet on the West side of Shady Brook Lane and 100' South of Northwest Highway.
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Elv. 541.5304

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Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES
WATER
43W-28, 44W-28, & 44W-29
WASTEWATER
43S-28, 44S-28, & 44S-29

BDS Technologies, Inc.
Texas Registered Engineering Firm
F-4025

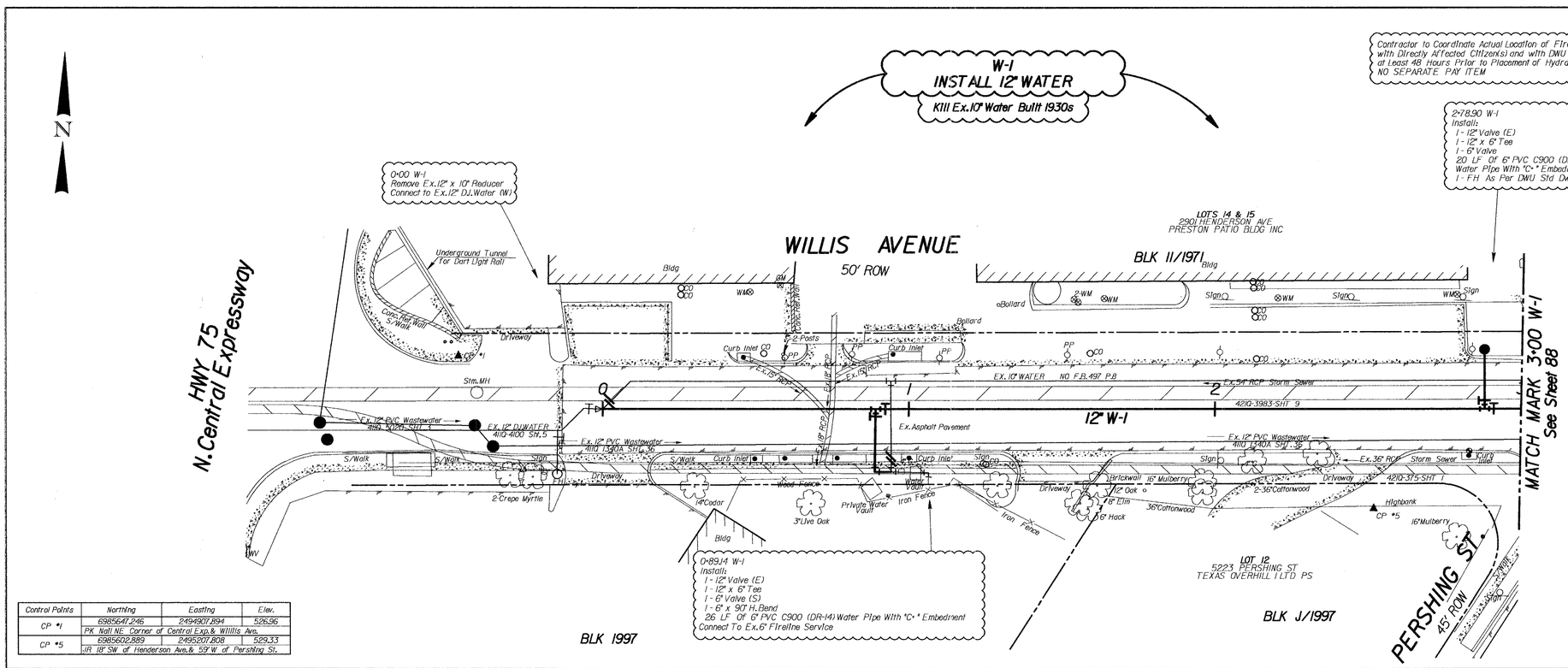
STATE OF TEXAS
TADREED O. BADWAN
83080
LICENSED PROFESSIONAL ENGINEER
7/28/2016

BDS Technologies, Inc.
11551 Forest Central Dr. Suite 206
Dallas, Texas 75243
Texas Board of Professional Engineers Firm Registration No. F-4025

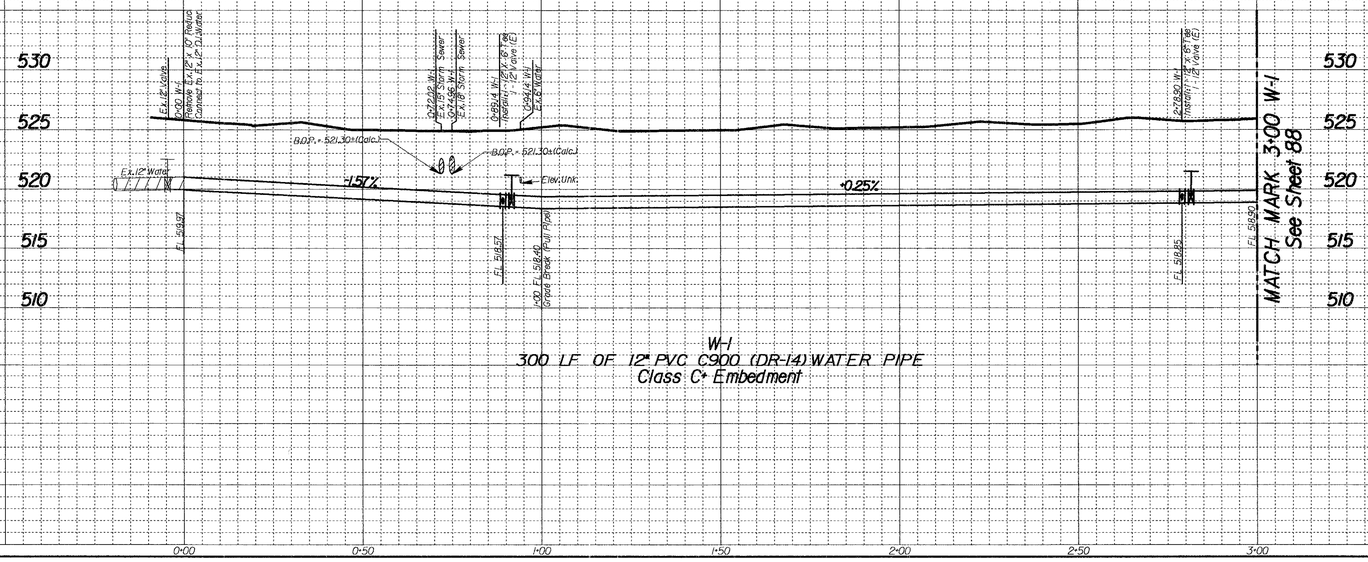
CONTRACT NO. 16-155/156 | PID: 4923

PROPOSED 12" WASTEWATER
SKILLMAN STREET
FROM SOUTHWESTERN BLVD TO LARMANDA DR.
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
BDS	BDS	OCT. 2016	4110	1770	580



Control Points	Northing	Easting	Elev.
CP #1	6985641.245	2494907.894	526.96
	PK Nail NE Corner of Central Exp.& Willis Ave.		
CP #5	6985602.889	2495207.808	529.33
	IR 18" SW of Henderson Ave.& 59' W. of Pershing St.		



W-1
300 LF OF 12" PVC C900 (DR-14) WATER PIPE
Class C+ Embedment

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS

BENCHMARK
STD.WDBM CUT ON CURB S.E.CORNER OF INTERSECTION OF HENDERSON AND MILAM
ELEV = 531.77

BENCHMARK
SQUARE CUT ON CURB STORM SEWER INLET IN FRONT OF TEXACO STATION N.E.CORNER OF INTERSECTION OF HENDERSON AND WILLIS
ELEV = 528.81

Horizontal Scale: 1" = 20'
0' 20' 40'
Vertical Scale: 1" = 6'
0' 6' 12"

REFERENCES
WATER
31-26W, 31-27W
WASTEWATER
BH G-10, 31-26S, 31-27S

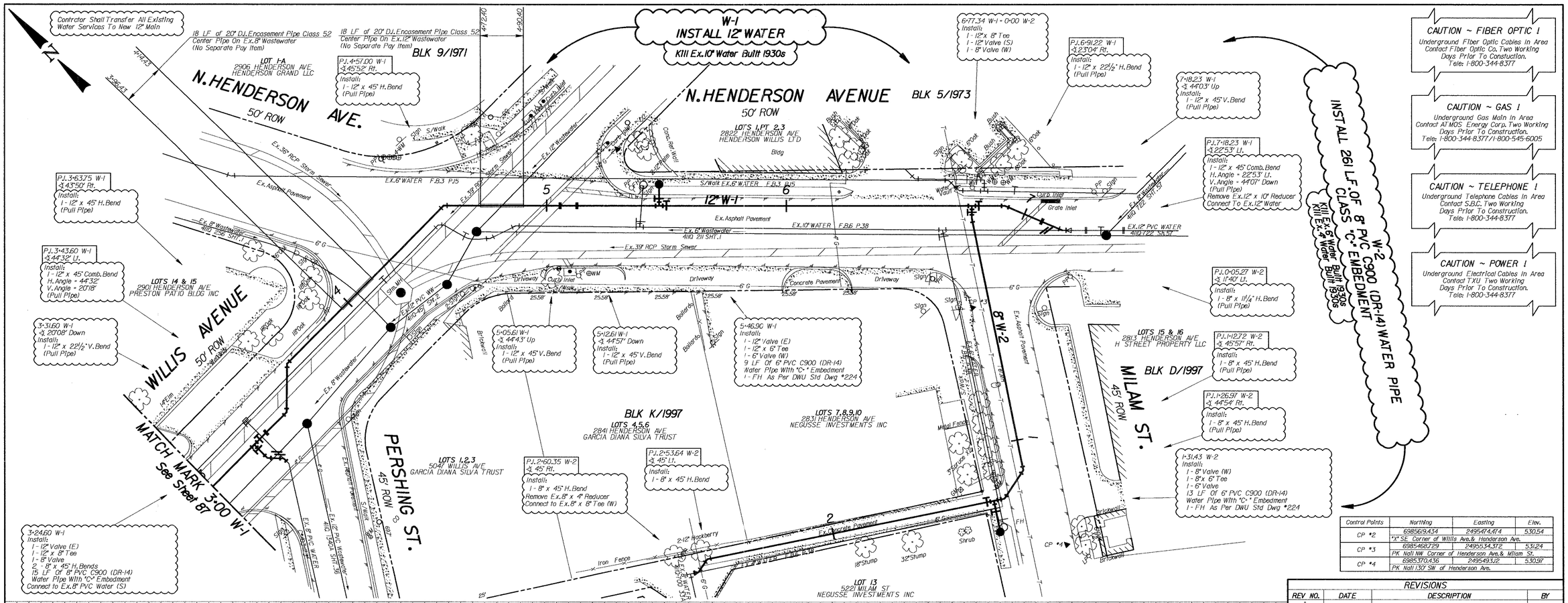
STATE OF TEXAS
BEN A. STEPHENSON
55023
LICENSED PROFESSIONAL ENGINEER
BAS 12/11

SURVEY: GSWW
New Construction contract #s 16-155/156

PID: 2310	CONTRACT NO. 11-117/118

12" & 8" WATER MAINS
WILLIS, HENDERSON, MILAM & ALLEY
FROM HWY 75 TO ALLEY S. OF HENDERSON
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
B.Burkes J.Russell	B.Burkes J.Russell	APRIL 2011	4110	1340A	87



Control Points	Northing	Easting	Elev.
CP #2	6985619.434	2495474.474	530.54
	"X" SE. Corner of Willis Ave. & Henderson Ave.		
CP #3	6985468.729	2495534.372	531.24
	PK Nail NW Corner of Henderson Ave. & Milam St.		
CP #4	6985370.436	2495493.12	530.91
	PK Nail 130' SW of Henderson Ave.		

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS

BENCHMARK
STD. WDBM CUT ON CURB S.E. CORNER OF INTERSECTION OF HENDERSON AND MILAM
ELEV = 531.77

BENCHMARK
SQUARE CUT ON CURB STORM SEWER INLET IN FRONT OF TEXACO STATION N.E. CORNER OF INTERSECTION OF HENDERSON AND WILLIS
ELEV = 528.81

Horizontal Scale: 1" = 20'
0' 20' 40'

Vertical Scale: 1" = 6'
0' 6' 12'

REFERENCES

WATER
31-26W, 31-27W

WASTEWATER
BH G-10, 31-26S, 31-27S

STATE OF TEXAS
BEN A. STEPHENSON
55023
LICENSED PROFESSIONAL ENGINEER
4/13/11

SURVEY: GSWW
New Construction Contract #s 16-155/156

PID: 3772, 3773, 3774 | CONTRACT NO. 11-117/118

12" & 8" WATER MAINS

WILLIS, HENDERSON, MILAM & ALLEY

FROM HWY 75 TO ALLEY S. OF HENDERSON

DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
B. Burkes J. Russell	B. Burkes J. Russell	APRIL 2011	4110	1340A	88