WATER AND WASTEWATER MAIN REPLACEMENTS AT VARIOUS LOCATIONS

Dallas Water Utilities
City Of Dallas, Texas

Contract No. : 20 - 173/174
December 2020

WATER & WASTEWATER SHEET INDEX

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2.	1	5210	Easement West of Coombs Creek Drive	411Q - 1332 Shts. 002 - 003
3.	1.	5028	Jefferson Blvd	411Q - 1342 Shts. 014 - 038
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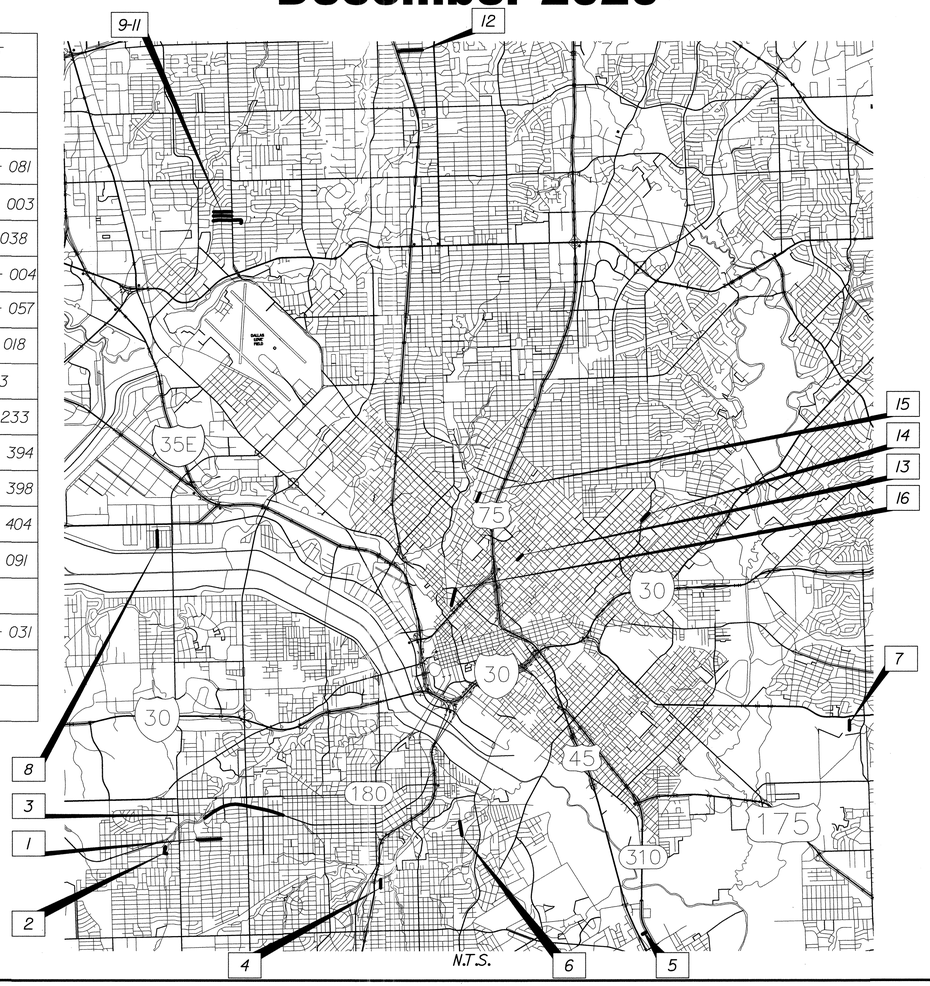


Matt S. Paris
STATE OF TEXAS
MATT S. PARIS
84766
LICENSED
PROFESSIONAL ENGINEER
12/30/2020

Kimley»Horn
Texas Registration No. F-928

CONTRACT NO. 20-173/174

WATER AND WASTEWATER MAIN REPLACEMENTS IN MULTIPLE LOCATIONS
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	RKR	DEC 2020	411Q	3021	059

GENERAL LEGENDS

GENERAL

- Benchmark (BM)
- Control Point (CP)
- Iron Pin Found (IPF)
- Iron Pin Set (IPS)
- Exist. ROW
- Prop. ROW
- ROW Centerline
- Alley ROW
- Exist. Easement
- Prop. Easement
- Corporation Line Marker
- Exist. Structure/Building
- Prop. Structure/Building
- Underground Structure/Building
- Bank/Slope Line
- Flow Line/Stream Line
- Bore Hole (BH)

TOPOGRAPHIC FEATURES

- Tree
- Brush, Shrub, Wood
- Swamp
- Mail Box
- Bollards
- Irrigation Control Valve (CV)
- Chain Link/Other Fence
- Wood Fence
- Wrought Iron Fence
- Brick Wall
- Concrete Wall
- Retaining Wall
- Parking Meter
- Traffic Sign
- Traffic Signal Pole
- Street Lamp
- Railroad, Each Track

PAVEMENT

- Exist. Gravel
- Exist. Asphalt
- Exist. Brick Pavers
- Exist. Concrete
- Prop. Pavement

STORM DRAINS

- Exist. Storm Drain
- Exist. Storm Manhole (S)
- Exist. Storm Inlet
- Prop. Storm Drain
- Prop. Storm Manhole (S)
- Prop. Storm Inlet

UTILITIES

- Exist. Gas Line (G)
- Exist. Gas Manhole (G)
- Exist. Underground Electric Line (UGE)
- Exist. Overhead Electric Line (OHE)
- Exist. Electric Pad Mounted Transformer (ET)
- Exist. Electric Power Pole
- Exist. Electric Pole Anchor
- Exist. Electric Utility Manhole (E)
- Exist. Electric Vault (EV)
- Exist. Telephone Line (T)
- Exist. Telephone Utility Manhole (T)
- Exist. Telephone Pedestal (TP)
- Exist. Fiber Optic Line (FO)
- Exist. Fiber Optic Manhole (F)
- Exist. Cable TV Line (CATV)
- Exist. Cable TV Manhole (C)

WATER MAINS & APPURTENANCES

- Exist. 3/4" Service
- Exist. 2" Water Main
- Exist. 4" Water Main
- Exist. 6" Water Main
- Exist. 8" to 27" Water Main
- Exist. 30" or Larger Water Main
- Prop. 6" Water Main
- Prop. 8" to 27" Water Main
- Prop. 30" or Larger Water Main
- Future Water Main
- Exist. Water Meter
- Exist. Water Manhole
- Exist. Water Vault
- Exist. Fire Hydrant (FH)
- Prop. Water Manhole
- Prop. Water Vault
- Prop. Fire Hydrant
- Exist. 11.25° Fitting
- Exist. 22.5° Fitting
- Exist. 45° Fitting
- Exist. 90° Fitting
- Exist. Reducer
- Exist. Tee
- Exist. Tapping Sleeve
- Exist. Cross
- Exist. Plug
- Exist. Blind Flange
- Cut & Plug
- Prop. 11.25° Fitting
- Prop. 22.5° Fitting
- Prop. 45° Fitting
- Prop. 90° Fitting
- Prop. Reducer
- Prop. Tee
- Prop. Tapping Sleeve
- Prop. Plug
- Prop. Blind Flange
- Exist. Gate Valve
- Exist. High/Low Valve
- Exist. Check Valve
- Exist. Flush Point
- Exist. Air Valve (AV)
- Exist. Cathodic Test Station (TS)
- Prop. Gate Valve
- Prop. High/Low Valve
- Prop. Check Valve
- Prop. Flush Point
- Prop. Air Valve (AV)
- Prop. Cathodic Test Station (TS)

WASTEWATER MAINS & APPURTENANCES

- Exist. Wastewater Lateral
- Exist. 6" to 27" Wastewater Main
- Exist. 30" or Larger Wastewater Main
- Prop. 6" to 27" or Larger Wastewater Main
- Prop. 30" or Larger Wastewater Main
- Exist. Wastewater Manhole
- Exist. Wastewater Access Device
- Exist. Wastewater Cleanout (CO)
- Prop. Wastewater Manhole
- Prop. Wastewater Access Device
- Prop. Wastewater Cleanout
- Remove & Replace Exist. Manhole

GENERAL NOTES

PROJECT CONTACTS

DWU PROJECT MANAGER:	ANTHONY PARKER	214 - 948 - 4639
DWU DISTRIBUTION DIVISION:	JOHNNY PARTAIN	214 - 670 - 8796
DWU WASTEWATER COLLECTION DIVISION:	JASON WU	214 - 243 - 1526
CITY OF DALLAS PW&T - TRAFFIC CONTROL:	RUSSELL FINLEY	469 - 583 - 3654

GENERAL

1. All work shall be done in accordance with the North Central Texas Council Of Governments (NCTCOG) Standard Specifications for Public Works Construction (4th Edition) and City of Dallas Addendum (October, 2011) to these specifications.
2. Reference to standard drawings shall mean those shown in the DWU Standard Drawings for Water & Wastewater Construction (October, 2017).
3. All items of work required to complete the work as shown or implied by the plans and as specified in the contract documents which are not listed as a pay item in the proposal shall be considered subsidiary.
4. The location, elevations and dimensions of existing utilities shown on the plans as obtained from The City of Dallas and utility company records, are considered approximate. The Engineer does not certify that all utilities are shown. The Contractor shall verify exact locations, sizes and depths of existing utilities before begining construction (including ordering pre-cast manholes and concrete pipe if applicable. NO SEPARATE PAY ITEM
5. The Contractor shall contact Texas Excavation Safety System (800-DIG-TESS; 800-344-8377) and relevant utility companies 48 hours prior to locating existing utilities and/or construction activities.
6. The Contractor shall preserve and protect all existing utilities at all times during construction. Any damage to utilities resulting from the Contractor's operation shall be restored at his expense.
7. The Contractor shall support telephone conduits, storm drains, water and wastewater mains when going under said utilities. NO SEPARATE PAY ITEM.
8. Power poles may have to be braced at the Contractor's expense.
9. No machinery, construction access or storage shall be allowed on park property beyond the limits of the temporary workspace as defined by the City of Dallas Inspector.

TRAFFIC CONTROL

1. The Contractor shall develop a traffic control plan in accordance with the City Of Dallas Traffic Barricade Manual, Latest Edition and the TXDOT Texas Manual On Uniform Traffic Control Devices (TMUTCD), Latest Version as necessary. NO SEPARATE PAY ITEM.
2. The diversion of pedestrians and vehicles during the progress of the work shall be in a manner satisfactory to the City of Dallas Inspector.
3. The Contractor shall coordinate all traffic variances with Traffic Safety Coordinators at 670-5896 or 683-5189, City Of Dallas Public Works & Transportation.
4. Two - way traffic shall be maintained at all times and flagmen should be used to maintain two-way traffic as necessay.
5. All barricades, warning signs and traffic control devices shall conform to the City Of Dallas standards. NO SEPARATE PAY ITEM.
6. When closing side streets, two working days notification is required for Fire, Police, Streets and Sanitation Departments. Please contact Gary Maxwell at 670-5896 or mobile 683-5189 to notify traffic restrictions.
7. Contractor shall maintain access to private driveways at all times during construction. NO SEPARATE PAY ITEM.
8. Vehicular ingress and egress (entrance and exit) to a business property shall be maintained at all times. If not, specific signs along with business name and direction arrow(s) shall be used for any temporary access locations. Additional signs may be necessary if there is a detour. NO SEPARATE PAY ITEM.

PAVEMENT REPLACEMENT

1. Sawcut, remove and replace pavements, sidewalks, curbs and gutters shall conform to City Of Dallas Public Works & Transportation, Pavement Cuts & Repair Standards Manual, Latest Edition.
2. All disturbed pavement markings including, but not limited to, striping, traffic buttons and crosswalks shall be restored to the same or improved condition as per City Of Dallas Specifications For Public Works Construction, Standard Construction Details and all addenda thereto. NO SEPARATE PAY ITEM.

TREES AND LANDSCAPING

1. Contractor shall not damage or remove any trees or landscaping unless otherwise authorized by the City of Dallas Inspector. Any trees or landscaping that are damaged or removed during the construction shall be replaced by the contractor at his expense.

ADVANCE METERING INFRASTRUCTURE

1. Caution! Advanced Metering Infrastructure (AMI) Meters in the area. Contractor shall not remove, damage, or otherwise disturb AMI meter endpoint components unless otherwise directed by the DWU Meter Reading Operation (MRO) Technician.
2. Contractor shall contact MRO five (5) working days in advance at 214-670-5537 and Email: DWUMRO@dallascityhall.com. If Any AMI Components shall be disconnected, reconnected, removed, or installed.
3. Contractor shall Install AMI meter ilds for water meters 2" and smaller in all Existing AMI and Proposed AMI Areas. Contractor shall also return the existing AMI ilds from existing AMI Area to DWU MRO for meters 2" or smaller. NO SEPARATE PAY ITEM.
4. For meters 3" or larger, the contractor shall either connect to the existing meter vault or construct a new meter vault as specified on the plans.
5. Contractor shall be liable for the replacement cost of any lost or damaged AMI Components.
6. All Meters in the Proposed and Existing AMI area shall be AMI-Ready Meter As Furnished By DWU. A non AMI-Ready meter shall be replaced with an AMI-Ready meter by DWU.

WATER MAIN AND APPURTENANCES

1. All 6", 8" and 12" water mains shall be PVC C900 (DR-14) water pipe, with Class "C" embedment, except as noted.
2. All water mains with no profiles shall have a minimum cover of four (4) feet below street grade in an improved street and five (5) feet of cover in an unimproved street or alley.
3. Compact fittings are not authorized for this project. All ductile iron pipe, fittings and fire hydrant bases shall be poly-wrapped.
4. All bends, tees fire hydrants and plugs are to be restrained type fittings and to be blocked with Class "B" Concrete as per DWU Standard Drawings #229-234, in addition to restrained joints.
5. If required by the City of Dallas Inspector, the Contractor shall install temporary water lines on both sides of the street until the new water main has been completed, tested, approved, and accepted by DWU. NO SEPARATE PAY ITEM.
6. If no temporary mains are required by the City of Dallas Inspector, then the existing water mains are to be in service with the fire hydrants until the new water main has been tested, approved and accepted by DWU. NO SEPARATE PAY ITEM.
7. The Contractor will ensure that fire hydrants are accessible to fire trucks at all times. NO SEPARATE PAY ITEM.
8. The Contractor shall sequence his construction such that no more than one fire hydrant is out of service at any given time.
9. All fire hydrants shall be installed as per DWU Standard Drawing #224. Existing fire hydrants on killed water lines are to be removed and delivered to DWU Distribution Division at 4120 Scottsdale Street Dallas, Texas if required by the City of Dallas Project Inspector, otherwise they become the property of the Contractor.
10. Backfill made on break repairs to existing water mains may have been made with crushed rock. This could present a cave-in danger to a new ditch; therefore, precautions should be taken by the Contractor. NO SEPARATE PAY ITEM.
11. Abandon all water valves on existing mains being killed as per DWU Standard Drawing #219. NO SEPARATE PAY ITEM.
12. The Contractor shall coordinate all water main tie-ins with the City of Dallas Inspector.
13. The Contractor shall verify the location and number of all existing active water services and construct new services up to the meter prior to killing existing main.
14. Water services greater than 30 feet shall be a minimum of one (1) inch in diameter.
15. This project is subject to the American Iron and Steel (AIS) requirements of federal law, including federal appropriation acts. All iron and steel products for construction, alteration, maintenance, or repairs incorporated in these plans must be produced in the United States.

WASTEWATER MAIN AND APPURTENANCES

1. The Contractor shall maintain existing wastewater flow at all times. NO SEPARATE PAY ITEM.
2. Abandon all manholes on abandoned wastewater mains.
3. The Contractor shall verify the location of all wasterwater laterals and construct new laterals from the wastewater main to the property line with cleanouts and reconnect to the existing laterals. Dye testing maybe required at no additional cost to the owner.
4. The backfill around manholes located in existing or new pavement shall be flowable backfill as per NCTCOG Specification Item 6.2.10(G). NO SEPARATE PAY ITEM.
5. This project is subject to the American Iron and Steel (AIS) requirements of Section 608 of the Federal Water Pollution Control Act. All iron and steel products for construction, alteration, maintenance, or repairs incorporated in these plans must be produced in the United States.

Marty S. Paris
STATE OF TEXAS
MARTY S. PARIS
84766
LICENSED
PROFESSIONAL ENGINEER
12/30/2020

Kimley»Horn
Texas Registration No. F-928

CONTRACT NO. 20-173/174

GENERAL NOTES
WATER AND WASTEWATER MAIN REPLACEMENTS IN MULTIPLE LOCATIONS
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	RKR	DEC 2020	411Q	3021	060

LOT 3
PART OF BLOCK 4599
426 S RAVINIA DR
RUBY SMITH

RAVINIA HEIHTS
VOLUME 4, PAGE 399
M.R.D.C.T.

LOT 4
PART OF BLOCK 4599
2901 W 12TH STREET
DAVID LLOYD THOMAS

LOT 19
2877 W 12TH STREET
NESTOR HUGO
TORREBLANCA PEREZ

LOT 18
2873 W 12TH STREET
VIRGINIA OLIVERA

LOT 17
2869 W 12TH STREET
ARMANDO VENEGAS

LOT 16
2865 W 12TH STREET
ABIGAIL L SELF

INSTALL 42 LF 8" PVC WATER MAIN
AWWA C900 (DR14) /
ASTM D-3139 / ASTM F-477
(MIN. 4.0' COVER) NO PROFILE
CLASS "C" EMBEDMENT

KIII Ex. 4" Water
Built 1968

Sta. 0+00 Proposed 8" W.W. Line 'A'
N: 6,957,438.92
E: 2,470,079.43
Construct 1 - Std. 4.0' Dia. W.W. Manhole
Connect Ex. 8" WW Out (N)
Connect Ex. 8" WW In (S)

Sta. 0+90, 8" W ~ Line "W-1"
N: 6,957,451.39
E: 2,470,500.53
Install:
1 - 8" Gate Valve
Connect to Ex. 8" CI Water Line (N)
Begin Proposed 8" Water Line

Sta. 0+04.40, 8" W ~ Line "W-1"
N: 6,957,447.03
E: 2,470,500.53
Install:
1 - 8" 45° Horiz. Bend

Sta. 0+09.56, 8" W ~ Line "W-1"
N: 6,957,443.36
E: 2,470,504.20
Install:
1 - 8" 45° Horiz. Bend

12TH STREET
(60' ROW)

Ex. 8" PVC
(685W-427 PG. 11)

Ex. 30" RCP WATER (FB 224, P. 45)

8" WW
LINE 'A'

(CONCRETE PAVEMENT)

0+00
1+00
2+00
3+00
4+00
4+50

CP#73
CP#29

Ex. 8" WW
(410-306, SH. 68)

Ex. Storm
Ex. 48"

Ex. 8" PVC
(410-306, SH. 68)

RAVINIA AVENUE
(60' ROW)

Sta. 2+00.0 Proposed 8" W.W. Line 'A'
N: 6,957,443.70
E: 2,470,279.36
Construct 1 - Std. 4.0' Dia. W.W. Manhole

CONSTRUCT 8" WASTEWATER LINE 'A'

Sta. 4+05.0 Proposed 8" W.W. Line 'A'
N: 6,957,448.61
E: 2,470,484.31
Construct 1 - Std. 4.0' Dia. W.W. Manhole

Sta. 4+20.5 Proposed 8" W.W. Line 'A'
N: 6,957,441.52
E: 2,470,498.12
Construct 1 - Std. 4.0' Dia. W.W. Manhole

MATCH MARK 4+50
- 8" WASTEWATER LINE 'A'
MATCH MARK 0+41.7
- 8" WATER LINE 'W-1'
SEE SHEET
411Q-3035, SH.78

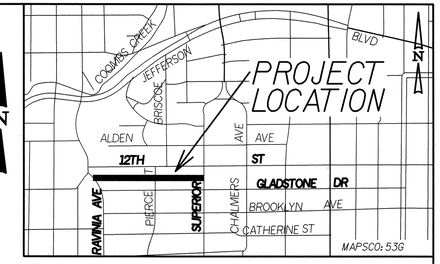
Ex. 8" WTR
(410-306, SH. 68)

Sta. 0+16.65, 8" W ~ Line "W-1"
N: 6,957,436.26
E: 2,470,504.26
Install:
1 - 8" 45° Horiz. Bend

Sta. 0+19.75, 8" W ~ Line "W-1"
N: 6,957,433.96
E: 2,470,502.18
Install:
1 - 8" 45° Horiz. Bend

TRACT 2
PART OF BLOCK 4517
504 S. RAVINIA DR
JOHN M. SHEPHERD

LOT 1
2858 W 12TH ST
GEORGE STROHL

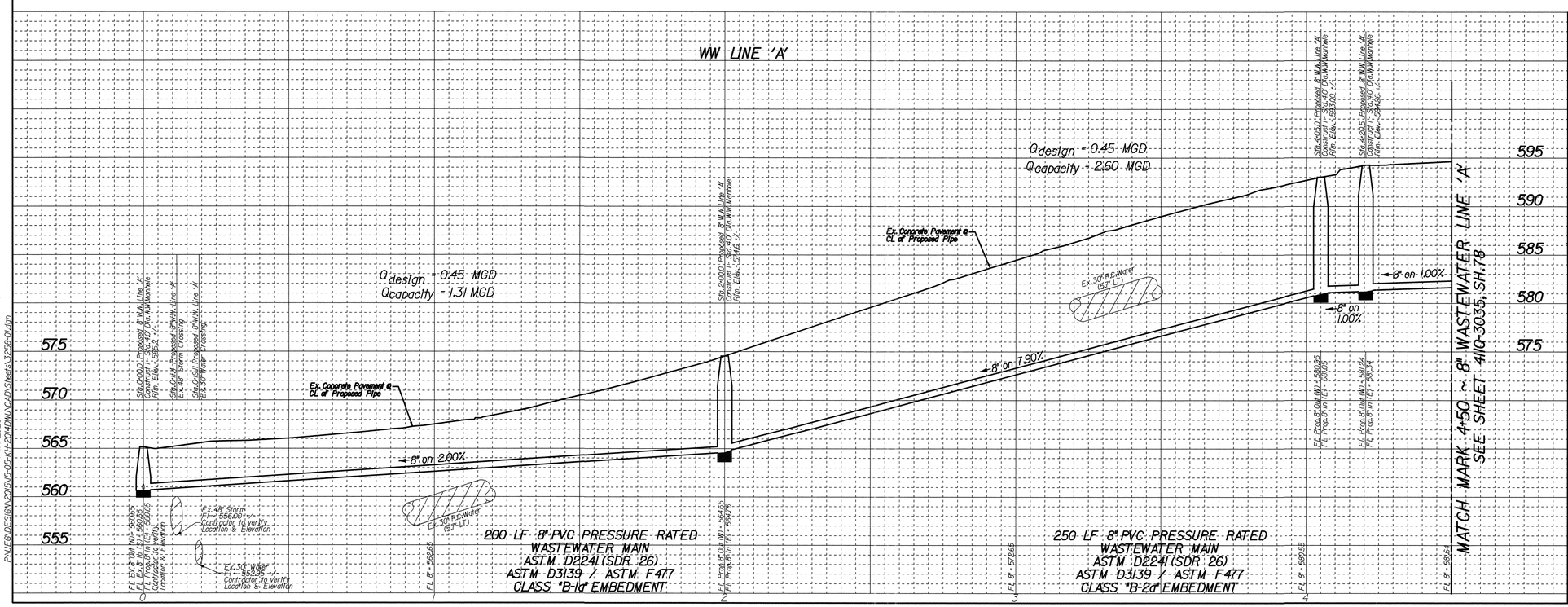


NOTES:

1. SEE PROJECT GENERAL NOTES SHEET FOR ADDITIONAL NOTES.
2. THE GROUND SURVEY WAS PERFORMED BY JQ IN JULY, 2015. THE DESIGN RELIES ON THE ASSUMPTIONS PROVIDED BY THE SURVEY.
3. CONTRACTOR TO COORDINATE ACTUAL LOCATION OF FIRE HYDRANTS WITH DIRECTLY AFFECTED CITIZENS AND WITH DWU INSPECTOR AT LEAST 48 HOURS PRIOR TO PLACEMENT OF HYDRANT. (NO SEPARATE PAY ITEM)
4. CONTRACTOR TO BRACE & PROTECT ALL POWER POLES AND LIGHT POLES DURING CONSTRUCTION. PROVIDE A MINIMUM OF 1' SEPARATION FROM OUTSIDE OF PIPE TO POWER POLE / LIGHT POLE. ANY DAMAGE TO EXISTING STRUCTURES SHALL BE REPAIRED OR REPLACED TO THE CONDITION OF EQUAL OR BETTER THAN EXISTING CONDITION AT CONTRACTOR'S EXPENSE.(NO SEPARATE PAY ITEM)
5. ANY COST OF TEMPORARY WATER LINE, IF NEEDED, IS INCIDENTAL. (NO SEPARATE PAY ITEM)
6. CONTRACTOR TO FIELD VERIFY THE TYPE, LOCATION AND DEPTH OF ALL THE PUBLIC AND FRANCHISE UTILITIES INCLUDING BUT NOT LIMITED TO WATER, WASTEWATER, DRAINAGE, GAS, TELECOM, ELECTRIC, ETC. PRIOR TO CONSTRUCTION TO AVOID ANY CONFLICTS. SEE PROJECT GENERAL NOTES SHEET FOR ADDITIONAL NOTES.
7. STEEL CASING PIPE SHALL HAVE A MIN. YIELD STRENGTH OF 35,000 PSI AND A MIN. WALL THICKNESS OF 0.281 INCHES.

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

A SQUARE WITH AN "X" CUT IN THE CENTER, SET ON TOP OF A CONCRETE CURB AT THE POINT OF CURVE, AT THE SOUTHWEST CORNER OF THE INTERSECTION OF RAVINIA DRIVE AND RAYDELL PLACE
ELEV = 562.37

A STANDARD WATER DEPARTMENT BENCH MARK IS SET ON TOP OF A CONCRETE CURB AT THE POINT OF CURVE AT THE NORTHEAST CORNER OF THE INTERSECTION OF CLARENDON DRIVE AND RAVINIA DRIVE
ELEV = 631.08

Point	Northing	Easting	Elev.	Description
26	6956346.563	2471662.37	618.50	"X" SET
27	6956338.083	2470830.107	589.84	NAIL SET
29	6956486.579	2470149.458	593.52	"X" SET

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

REFERENCES
WATER
45-18W
WASTEWATER
45-18S

STATE OF TEXAS
FAISAL S. SYED
84833
LICENSED PROFESSIONAL ENGINEER
04/17/2020

TOPOGRAPHIC SURVEY, PROVIDED BY:
Jaster - Quintanilla
2905 Commerce St #200
Dallas, TX 75226
(972) 358-7340

DESIGN BY:
urban | engineers | group Inc.
167 turtle creek blvd, ste a dallas, texas 75207
(214) 855-1600 p
FIRM REGISTRATION No. F5332

CONTRACT NO. 20-173/174 | PID: 3258

8" WATER & 8" WASTEWATER

South of I-30 and West of I-35E
Alley Btw Twelfth St. and Gladstone Dr.
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
UEG	UEG	April 2020	411Q	3035	77

4/17/2020
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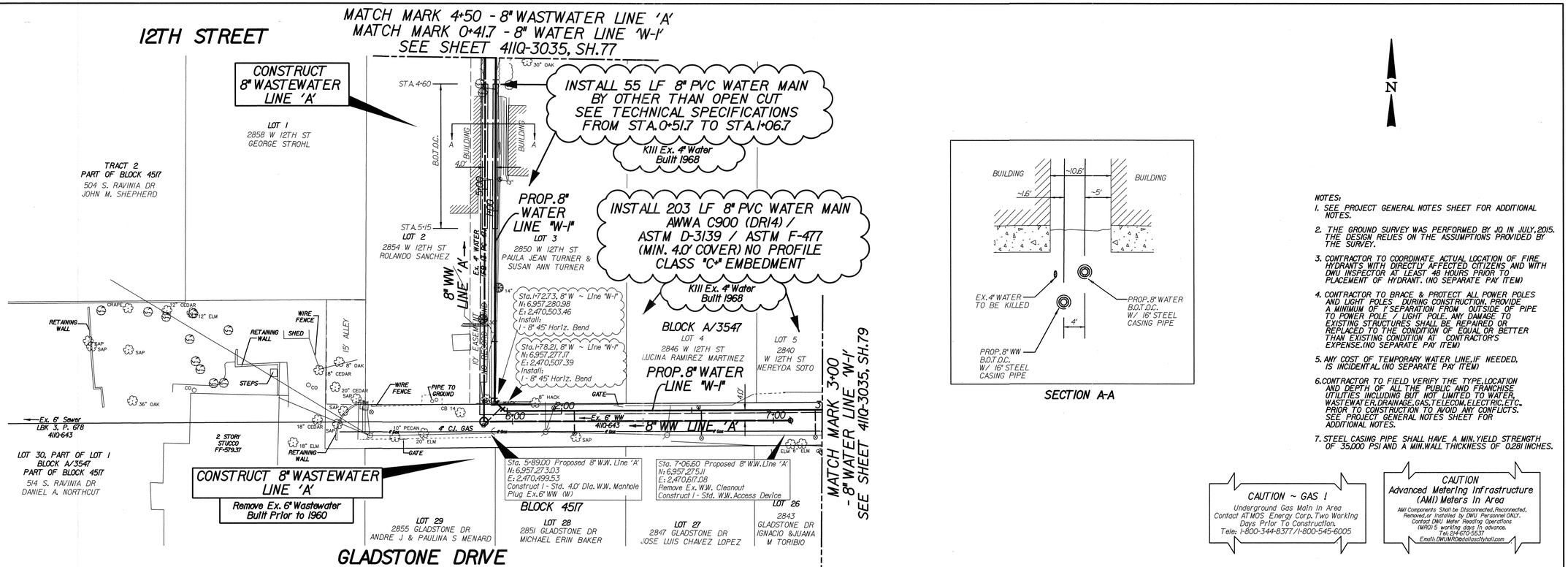

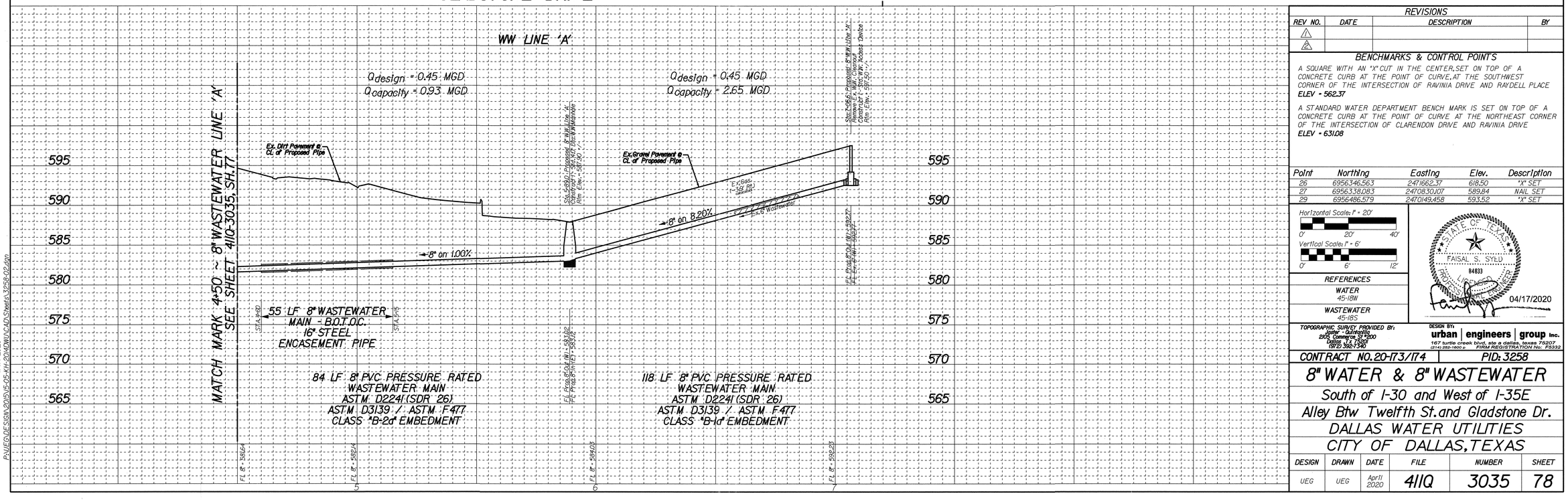

4/17/2020
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REVISIONS

REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

A SQUARE WITH AN "X" CUT IN THE CENTER, SET ON TOP OF A CONCRETE CURB AT THE POINT OF CURVE, AT THE SOUTHWEST CORNER OF THE INTERSECTION OF RAVINIA DRIVE AND RAYDELL PLACE
ELEV = 562.37

A STANDARD WATER DEPARTMENT BENCH MARK IS SET ON TOP OF A CONCRETE CURB AT THE POINT OF CURVE AT THE NORTHEAST CORNER OF THE INTERSECTION OF CLARENDON DRIVE AND RAVINIA DRIVE
ELEV = 631.08

Point	Northing	Easting	Elev.	Description
26	6956346.563	2471662.37	618.50	"X" SET
27	6956338.083	2470830.107	589.84	NAIL SET
29	6956486.579	2470149.458	593.52	"X" SET

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

REFERENCES
WATER 45-18W
WASTEWATER 45-18S

STATE OF TEXAS · FAISAL S. SYED · 84833 · REGISTERED PROFESSIONAL ENGINEER
04/17/2020

TOPOGRAPHIC SURVEY PROVIDED BY: Jpater - Dalmasha, 2105 Commerce St. #200, Dallas, TX 75201, (972) 392-1340

DESIGN BY: urban | engineers | group Inc., 167 turtle creek blvd, ste a dallas, texas 75207, (214) 282-1600 p, FIRM REGISTRATION No: F5332

CONTRACT NO. 20-173/174 | PID: 3258

8" WATER & 8" WASTEWATER

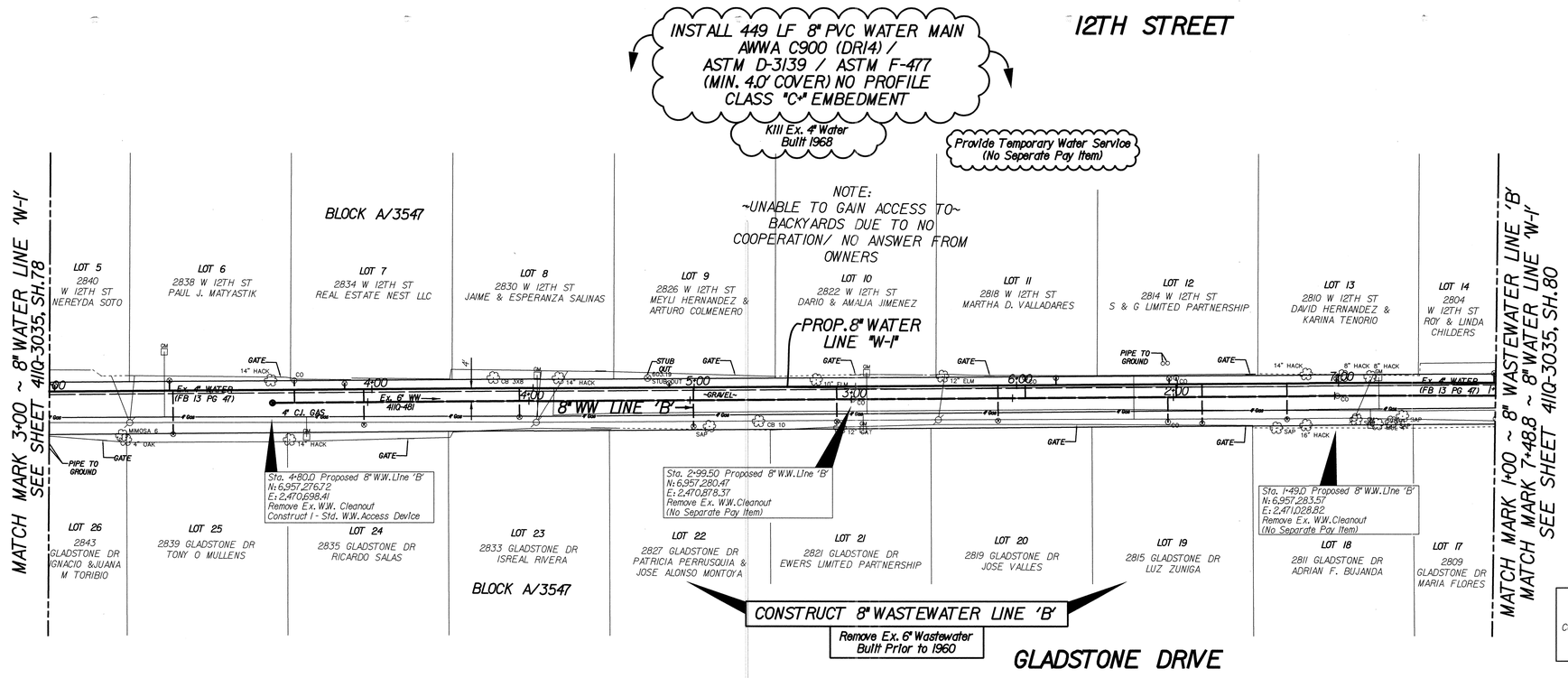
South of I-30 and West of I-35E

Alley Btw Twelfth St. and Gladstone Dr.

DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
UEG	UEG	April 2020	4110	3035	78

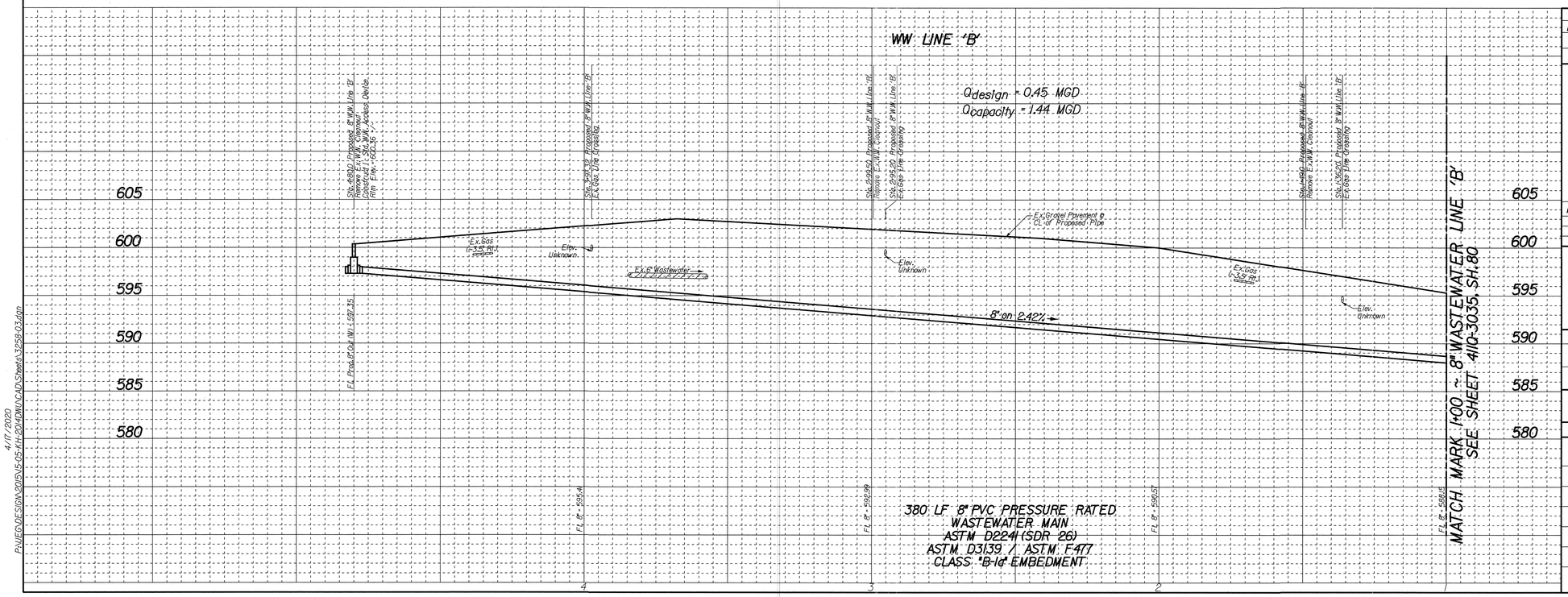


NOTES:

1. SEE PROJECT GENERAL NOTES SHEET FOR ADDITIONAL NOTES.
2. THE GROUND SURVEY WAS PERFORMED BY JO IN JULY, 2015. THE DESIGN RELIES ON THE ASSUMPTIONS PROVIDED BY THE SURVEY.
3. CONTRACTOR TO COORDINATE ACTUAL LOCATION OF FIRE HYDRANTS WITH DIRECTLY AFFECTED CITIZENS AND WITH DWU INSPECTOR AT LEAST 48 HOURS PRIOR TO PLACEMENT OF HYDRANT. (NO SEPARATE PAY ITEM)
4. CONTRACTOR TO BRACE & PROTECT ALL POWER POLES AND LIGHT POLES DURING CONSTRUCTION. PROVIDE A MINIMUM OF 1' SEPARATION FROM OUTSIDE OF PIPE TO POWER POLE / LIGHT POLE. ANY DAMAGE TO EXISTING STRUCTURES SHALL BE REPAIRED OR REPLACED TO THE CONDITION OF EQUAL OR BETTER THAN EXISTING CONDITION AT CONTRACTOR'S EXPENSE.(NO SEPARATE PAY ITEM)
5. ANY COST OF TEMPORARY WATER LINE, IF NEEDED, IS INCIDENTAL.(NO SEPARATE PAY ITEM)
6. CONTRACTOR TO FIELD VERIFY THE TYPE, LOCATION AND DEPTH OF ALL THE PUBLIC AND FRANCHISE UTILITIES INCLUDING BUT NOT LIMITED TO WATER, WASTEWATER, DRAINAGE, GAS, TELECOM, ELECTRIC, ETC., PRIOR TO CONSTRUCTION TO AVOID ANY CONFLICTS. SEE PROJECT GENERAL NOTES SHEET FOR ADDITIONAL NOTES.
7. STEEL CASING PIPE SHALL HAVE A MIN. YIELD STRENGTH OF 35,000 PSI AND A MIN. WALL THICKNESS OF 0.281 INCHES.

CAUTION ~ GAS !
Underground Gas Main In Area
Contact ATMOS Energy Corp. Two Working Days Prior To Construction.
Telefo: 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



380 LF 8" PVC PRESSURE RATED
WASTEWATER MAIN
ASTM D2241 (SDR 26)
ASTM D3139 / ASTM F477
CLASS "B-Ia" EMBEDMENT

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

A SQUARE WITH AN "X" CUT IN THE CENTER, SET ON TOP OF A CONCRETE CURB AT THE POINT OF CURVE, AT THE SOUTHWEST CORNER OF THE INTERSECTION OF RAVINIA DRIVE AND RAYDELL PLACE
ELEV = 562.37

A STANDARD WATER DEPARTMENT BENCH MARK IS SET ON TOP OF A CONCRETE CURB AT THE POINT OF CURVE AT THE NORTHEAST CORNER OF THE INTERSECTION OF CLARENDON DRIVE AND RAVINIA DRIVE
ELEV = 631.08

Point	Northing	Easting	Elev.	Description
26	6956346.563	2471662.37	618.50	"X" SET
27	6956338.083	2470830.107	589.84	NAIL SET
29	6956486.579	2470149.458	593.52	"X" SET

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

REFERENCES
WATER
45-18W
WASTEWATER
45-18S

STATE OF TEXAS
FAISAL S. SYED
84833
LICENSED PROFESSIONAL ENGINEER
04/17/2020

TOPOGRAPHIC SURVEY PROVIDED BY:
Jones - Carter, Inc.
2905 Colonnade, Suite 200
Dallas, TX 75229
(972) 392-1340

DESIGN BY:
urban | engineers | group Inc.
167 turtle creek blvd, ste a dallas, texas 75207
(214) 252-1600 p FIRM REGISTRATION No: F5332

CONTRACT NO. 20-173/174 | PID: 3258

8" WATER & 8" WASTEWATER

South of I-30 and West of I-35E
Alley Btw Twelfth St. and Gladstone Dr.
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
UEG	UEG	April 2020	4110	3035	79

4/17/2020
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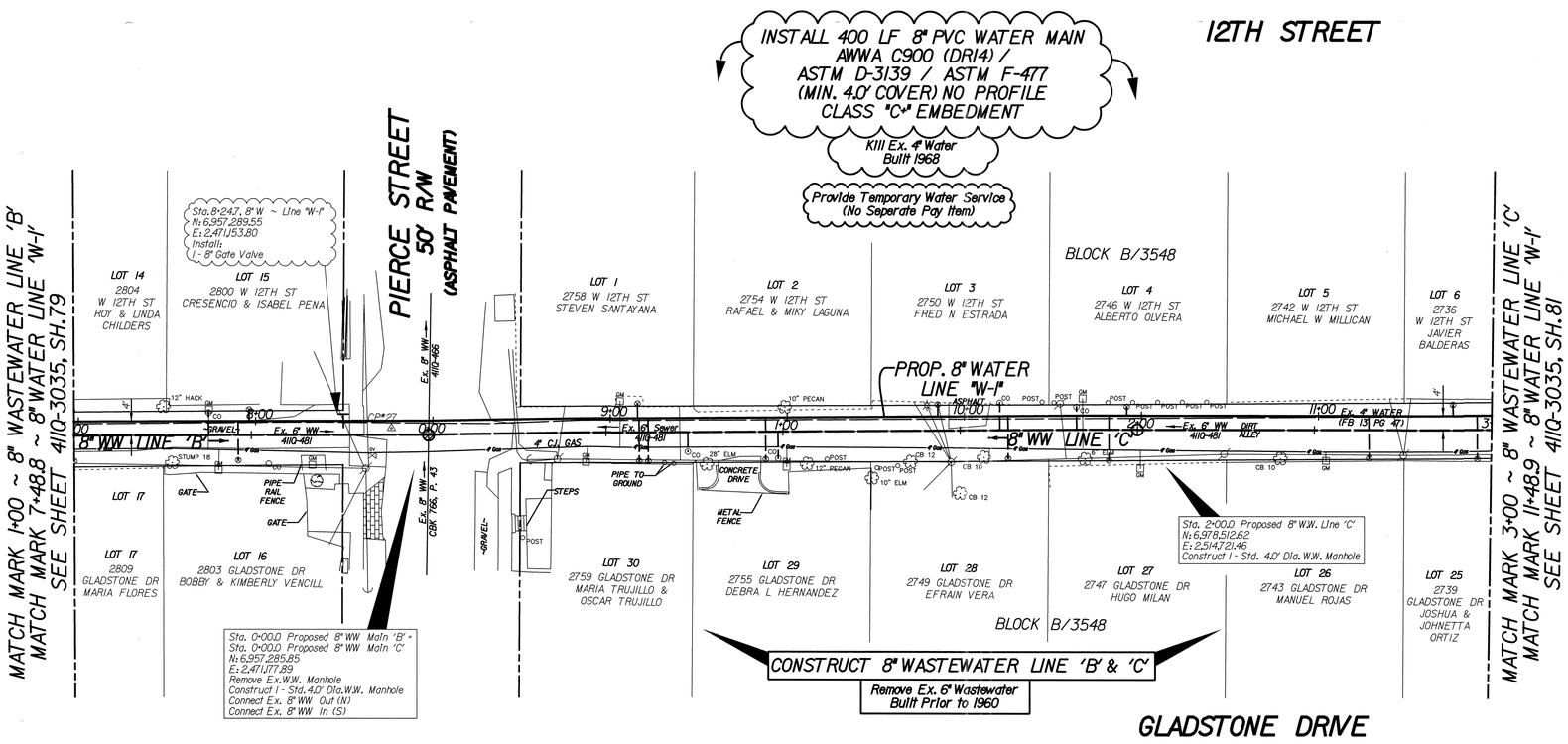

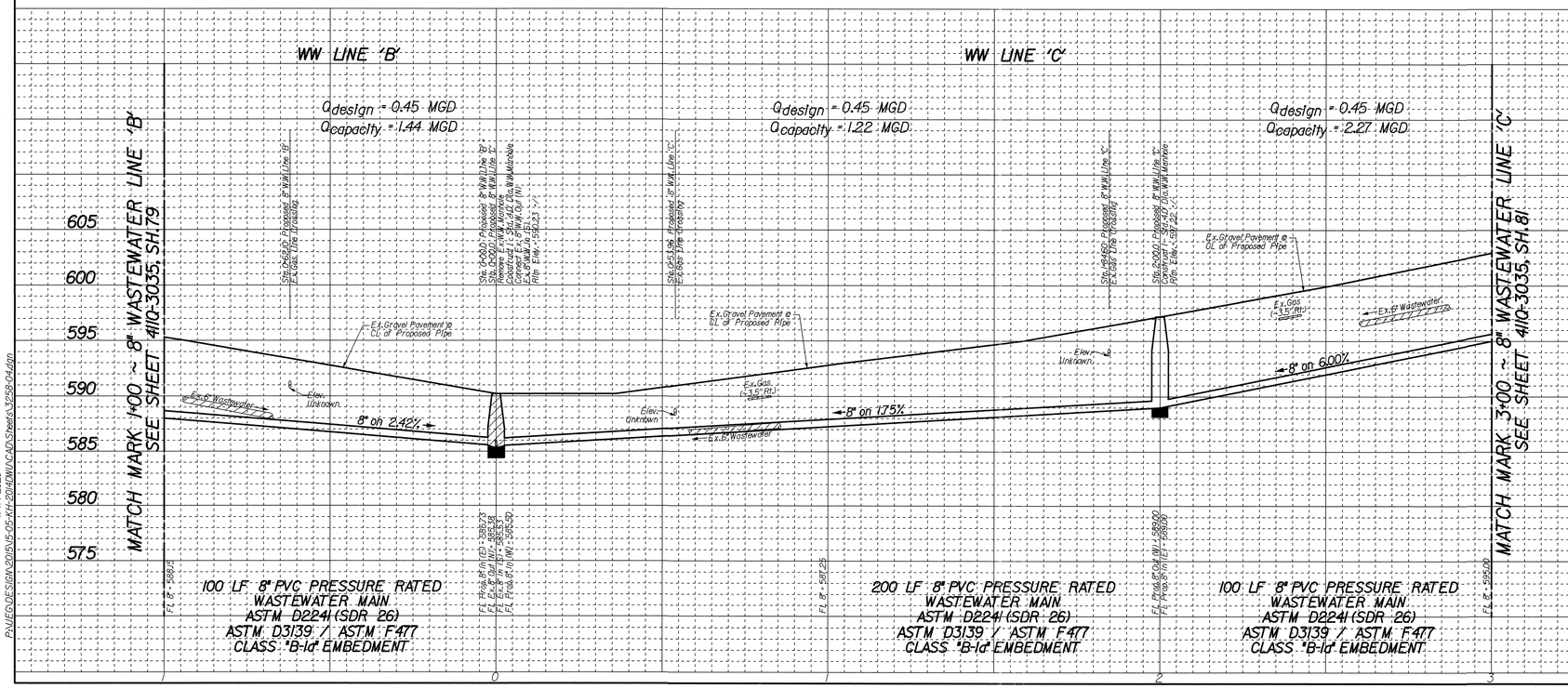

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

A SQUARE WITH AN "X" CUT IN THE CENTER, SET ON TOP OF A CONCRETE CURB AT THE POINT OF CURVE, AT THE SOUTHWEST CORNER OF THE INTERSECTION OF RAVINIA DRIVE AND RAYDELL PLACE
ELEV - 562.37

A STANDARD WATER DEPARTMENT BENCH MARK IS SET ON TOP OF A CONCRETE CURB AT THE POINT OF CURVE AT THE NORTHEAST CORNER OF THE INTERSECTION OF CLARENDON DRIVE AND RAVINIA DRIVE
ELEV - 631.08

Point	Northing	Easting	Elev.	Description
26	6956346.563	2471662.37	618.50	"X" SET
27	6956338.083	2470830.107	589.84	NAIL SET
29	6956486.579	2470149.458	593.52	"X" SET

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

REFERENCES
WATER
45-18W
WASTEWATER
45-18S

STATE OF TEXAS
FAISAL S. SYED
84833
LICENSED
PROFESSIONAL ENGINEER
04/17/2020

TOPOGRAPHIC SURVEY PROVIDED BY:
Jones - Carter
2105 Commerce St. #200
Dallas, TX 75201
(972) 392-1340

DESIGN BY:
urban | engineers | group Inc.
167 turtle creek blvd, ste a dallas, texas 75207
(214) 282-1600 p FIRM REGISTRATION No. F5332

CONTRACT NO. 20-173/174 | PID: 3258

8" WATER & 8" WASTEWATER

South of I-30 and West of I-35E

Alley Btw Twelfth St. and Gladstone Dr.

DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
UEG	UEG	April 2020	4110	3035	80

P:\UEG\DESIGN\2015\15-05-KH-2014DWI\CADD\Sheets\3258-04.dgn
4/17/2020

INSTALL 479 LF 8" PVC WATER MAIN
AWWA C900 (DR14) /
ASTM D-3139 / ASTM F-477
(MIN. 4.0' COVER) NO PROFILE
CLASS "C+" EMBEDMENT

KIII Ex. 4" Water
Built 1968

Provide Temporary Water Service
(No Seperate Pay Item)

12TH STREET

N

NOTES:
1. SEE PROJECT GENERAL NOTES SHEET FOR ADDITIONAL NOTES.
2. THE GROUND SURVEY WAS PERFORMED BY JQ IN JULY,2015. THE DESIGN RELIES ON THE ASSUMPTIONS PROVIDED BY THE SURVEY.
3. CONTRACTOR TO COORDINATE ACTUAL LOCATION OF FIRE HYDRANTS WITH DIRECTLY AFFECTED CITIZENS AND WITH DWU INSPECTOR AT LEAST 48 HOURS PRIOR TOPLACEMENT OF HYDRANT. (NO SEPARATE PAY ITEM)
4. CONTRACTOR TO BRACE & PROTECT ALL POWER POLES AND LIGHT POLES DURING CONSTRUCTION. PROVIDE A MINIMUM OF 1' SEPARATION FROM OUTSIDE OF PIPE TO POWER POLE / LIGHT POLE. ANY DAMAGE TO EXISTING STRUCTURES SHALL BE REPAIRED OR REPLACED TO THE CONDITION OF EQUAL OR BETTER THAN EXISTING CONDITION AT CONTRACTOR'S EXPENSE.(NO SEPARATE PAY ITEM)
5. ANY COST OF TEMPORARY WATER LINE,IF NEEDED,IS INCIDENTAL. (NO SEPARATE PAY ITEM)
6. CONTRACTOR TO FIELD VERIFY THE TYPE,LOCATION AND DEPTH OF ALL THE PUBLIC AND FRANCHISE UTILITIES INCLUDING BUT NOT LIMITED TO WATER,WASTEWATER,DRAINAGE,GAS,TELECOM,ELECTRIC,ETC. PRIOR TO CONSTRUCTION TO AVOID ANY CONFLICTS. SEE PROJECT GENERAL NOTES SHEET FOR ADDITIONAL NOTES.
7. STEEL CASING PIPE SHALL HAVE A MIN.YIELD STRENGTH OF 35,000 PSI AND A MIN.WALL THICKNESS OF 0.281 INCHES.

MATCH MARK 3+00 ~ 8" WASTEWATER LINE 'C'
MATCH MARK 11+48.90 ~ 8" WATER LINE 'W-I'
SEE SHEET 4110-3035, SH.80

BLOCK B/3548

LOT 6 — 2736 W 12TH ST — JAVIER BALDERAS
LOT 7 — 2734 W 12TH ST — HONORIO CORREA & FELIPE CORREA
LOT 8 — 2730 W 12TH ST — MERION QUINTANILLA & MARK BROGAN
LOT 9 — 2726 W 12TH ST — VIVIAN A SALINAS
LOT 10 — 2722 W 12TH ST — ESTATE OF WAVA ABERCROMBIE
LOT 11 — 2718 W 12TH ST — ENRIQUE & JUANA FERNANDEZ
LOT 12 — 2714 W 12TH ST — CARMEN GONZALEZ & MIGUEL PANIAGUA
LOT 13 — 2710 W 12TH ST — EST OF DAVID & REBECCA VARELA
LOT 14 — 2706 W 12TH ST — RACHEL M HERNANDEZ
LOT 15 — 2702 W 12TH ST — LUIS & MARIA L OLVERA

PROP. 8" WATER LINE "W-I"

Sta. 16+27.4, 8"W ~ Line "W-I"
N: 6,957,304.70
E: 2,471,956.35
Remove Ex.8" x 4" Reducer
End Proposed 8" Water Line
Connect to Ex.8" Water Line

8"WW LINE 'C'

Ex. 6" WW (4110-48)

Ex. 4" WATER (FB 13 PG 47)

Ex. 6" WW (4110-48)

4" CI. GAS

Ex. 8" WATER (4110-3035 Sh. 7, Built 2008)

Ex. 16" CI WATER (FB 13 PG 47)

Ex. 16" CI WATER (FB 13 PG 47)

SUPERIOR STREET

LOT 25 — 2739 GLADSTONE DR — JOSHUA & JOHNETTA ORTIZ
LOT 24 — 2735 GLADSTONE DR — JUAN ZAPATA & MARIA DE JESUS GARCIA
LOT 23 — 2731 GLADSTONE DR — ANTONIO MEJIA
LOT 22 — 2727 GLADSTONE DR — TAMAYO MOISES & CELIA TAMAYO
LOT 21 — 2723 GLADSTONE DR — SANTIAGO LOPEZ III
LOT 20 — 2719 GLADSTONE DR — DORIS L MURPHY
LOT 19 — 2715 GLADSTONE DR — BRAD CARVER
LOT 18 — 2711 GLADSTONE DR — EST OF PHOEBE GONZALES
LOT 17 — 2707 GLADSTONE DR — ENRIQUE M SANCHEZ
LOT 16 — 2703 GLADSTONE DR — ANA M & FRANCISCO LOPEZ

BLOCK B/3548

Sta. 4+50.0 Proposed 8" WW. Line 'C'
N: 6,957,611.14
E: 2,514,606.56
Construct 1 - Std. 4.0' Dia. W.W. Manhole

Sta. 7+35.0 Proposed 8" WW. Line 'C'
N: 6,957,298.95
E: 2,471,912.81
Remove Ex. W.W. Cleanout
Construct 1 - Std. W.W. Access Device

CONSTRUCT 8" WASTEWATER LINE 'C'
Remove Ex. 6" Wastewater Built Prior to 1960

GLADSTONE DRIVE

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.214-670-5531
Email:DWUMRO@dallascityhall.com

WW LINE 'C'

Qdesign = 0.45 MGD
Qcapacity = 2.27 MGD

Sta. 4+50.0 Proposed 8" WW. Line 'C'
Construct 1 - Std.4.0' Dia.W.W.Manhole
Inv. Dia. = 582.80

Sta. 4+89.00 Proposed 8" WW. Line 'C'
Ex.Gas Line Crossing

Sta. 5+58.75 Proposed 8" WW. Line 'C'
Ex.Gas Line Crossing

Ex.Gravel Pavement to CL of Proposed Pipe

Ex.Gas (~3.5' RD.)

Elev.= Unknown

Ex. 6" Wastewater

8" on 6.00%

FL Proposed MH = 604.00
FL Proposed In (12") = 604.00

FL 8" = 599.00

FL 8" = 601.00

MATCH MARK 3+00 ~ 8" WASTEWATER LINE 'C'
SEE SHEET 4110-3035, SH.80

150 LF 8" PVC PRESSURE RATED WASTEWATER MAIN
ASTM D2241 (SDR. 26) ASTM D3139 / ASTM F477
CLASS "B-Id" EMBEDMENT

Qdesign = 0.45 MGD
Qcapacity = 1.71 MGD

Sta. 5+58.75 Proposed 8" WW. Line 'C'
Ex.Gas Line Crossing

Sta. 6+89.00 Proposed 8" WW. Line 'C'
Ex.Gas Line Crossing

Sta. 7+29.80 Proposed 8" WW. Line 'C'
Ex.Gas Line Crossing

Sta. 7+35.0 Proposed 8" WW. Line 'C'
Construct 1 - Std. W.W. Access Device
Rim Elev. = 619.00

Ex.Gravel Pavement to CL of Proposed Pipe

Ex.Gas (~3.4' RD.)

Elev.= Unknown

Ex. 6" Wastewater

8" on 3.40%

FL Proposed MH = 604.00
FL Proposed In (12") = 604.00

FL 8" = 602.70

FL 8" = 609.50

FL 8" = 612.50

285 LF 8" PVC PRESSURE RATED WASTEWATER MAIN
ASTM D2241 (SDR. 26) ASTM D3139 / ASTM F477
CLASS "B-Id" EMBEDMENT

615 610 605 600 595 590

3 4 5 6 7

4/17/2020
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REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

A SQUARE WITH AN "X" CUT IN THE CENTER,SET ON TOP OF A CONCRETE CURB AT THE POINT OF CURVE,AT THE SOUTHWEST CORNER OF THE INTERSECTION OF RAVINIA DRIVE AND RAYDELL PLACE
ELEV = 562.37

A STANDARD WATER DEPARTMENT BENCH MARK IS SET ON TOP OF A CONCRETE CURB AT THE POINT OF CURVE AT THE NORTHEAST CORNER OF THE INTERSECTION OF CLARENDON DRIVE AND RAVINIA DRIVE
ELEV = 631.08

Point	Northing	Easting	Elev.	Description
26	6956346.563	2471662.37	618.50	"X" SET
27	6956338.083	2470830.107	589.84	NAIL SET
29	6956486.579	2470149.458	593.52	"X" SET

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

REFERENCES
WATER
45-18W
WASTEWATER
45-18S

STATE OF TEXAS — FAISAL S. SYED — 84833 — PROFESSIONAL ENGINEER
04/17/2020

TOPOGRAPHIC SURVEY PROVIDED BY:
Jaster - Quintanilla
2905 Commerce St. #200
Dallas, TX 75226
(972) 392-1340

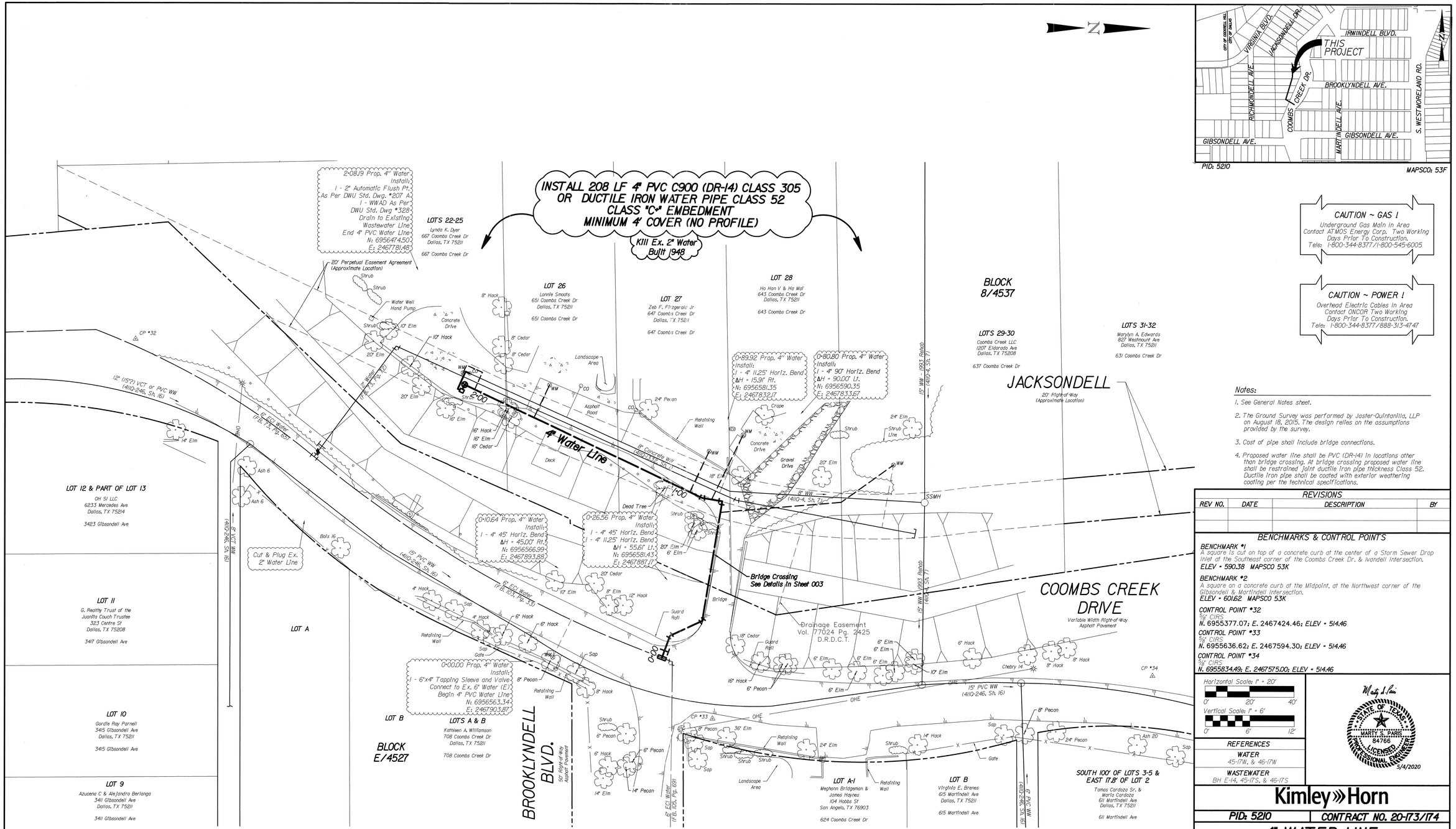
DESIGN BY:
urban | engineers | group Inc.
167 turtle creek blvd, ste a dallas, texas 75207
(214) 282-1600 p FIRM REGISTRATION No: F5332

CONTRACT NO. 20-173/174 | PID: 3258

8" WATER & 8" WASTEWATER

South of I-30 and West of I-35E
Alley Btw Twelfth St. and Gladstone Dr.
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
UEG	UEG	April 2020	4110	3035	81



PID: 5210

MAPSCO: 53F

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 ~ POWER !

Overhead Electric Cables In Area
Contact ONCOR Two Working
Days Prior To Construction.
Tele: 1-800-344-8377/888-313-4747

Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by Jaster-Quintanilla, LLP on August 18, 2015. The design relies on the assumptions provided by the survey.
3. Cost of pipe shall include bridge connections.
4. Proposed water line shall be PVC (DR-14) in locations other than bridge crossing. At bridge crossing proposed water line shall be restrained joint ductile iron pipe thickness Class 52. Ductile iron pipe shall be coated with exterior weathering coating per the technical specifications.

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
A square is cut on top of a concrete curb at the center of a Storm Sewer Drop Inlet at the Southeast corner of the Coombs Creek Dr. & Ivandell Intersection.
ELEV = 590.38 MAPSCO 53K

BENCHMARK #2
A square on a concrete curb at the Midpoint, at the Northwest corner of the Gibsondell & Martindell Intersection.
ELEV = 601.62 MAPSCO 53K

CONTROL POINT #32
5/8" CIRS
N. 6955377.07; E. 2467424.46; ELEV = 514.46

CONTROL POINT #33
3/8" CIRS
N. 6955636.62; E. 2467594.30; ELEV = 514.46

CONTROL POINT #34
5/8" CIRS
N. 6955834.49; E. 2467575.00; ELEV = 514.46

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

REFERENCES

WATER
45-17W, & 46-17W

WASTEWATER
BH E-14, 45-17S, & 46-17S

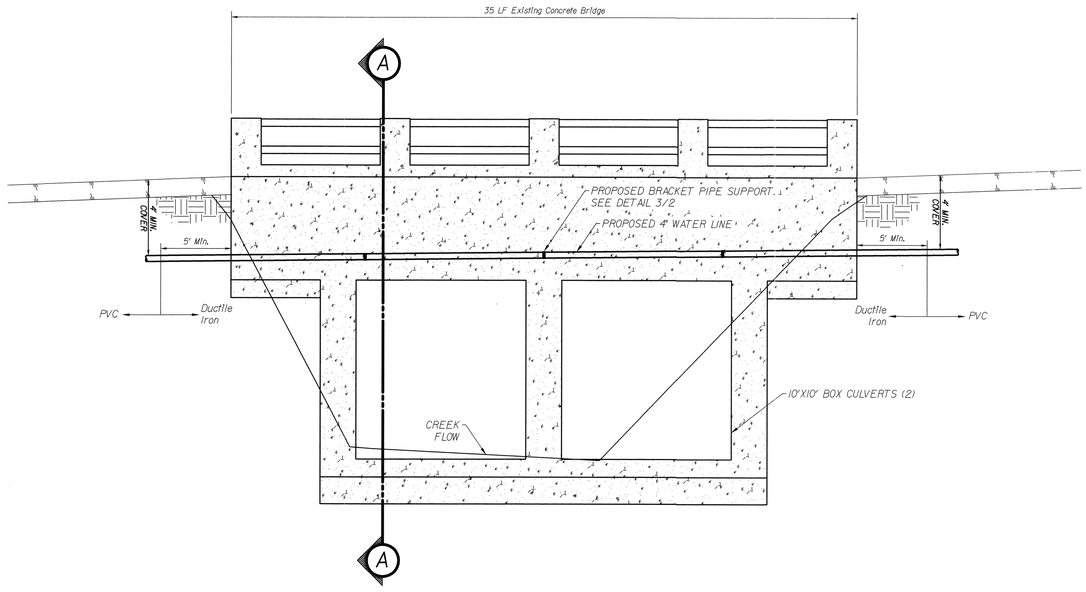
Marty L. Jaris
STATE OF TEXAS
MARTY L. JARIS
84766
LICENSED
PROFESSIONAL ENGINEER
5/4/2020

Kimley»Horn

PID: 5210 | CONTRACT NO. 20-173/174

4" WATER LINE
EASEMENT WEST OF COOMBS CREEK & BROOKLYNDELL
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

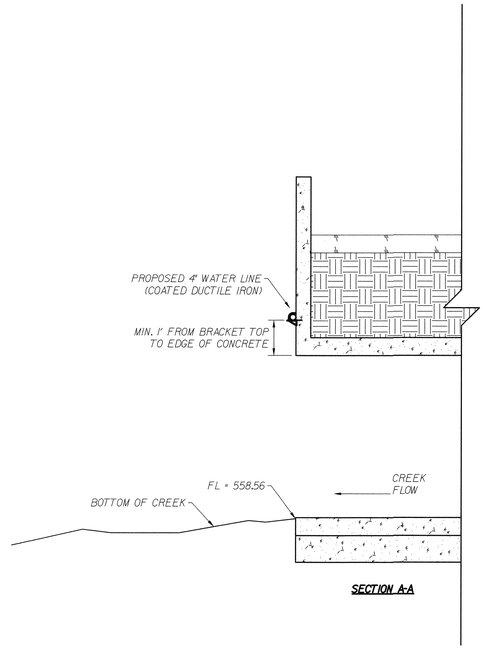
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
TLS	LMB	MAY 2020	4110	1332	002



COMBS CREEK STRUCTURAL DETAIL (FACING NORTH)

1 / 003

SCALE: 1"=4'

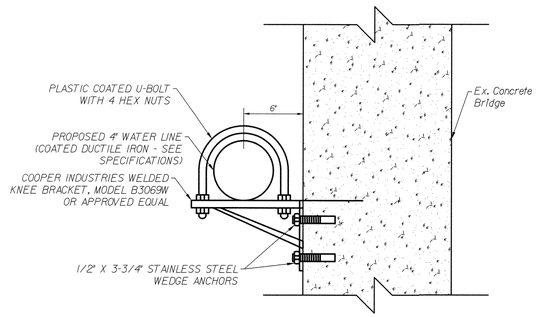


SECTION A-A

COMBS CREEK CROSS SECTION DETAIL

2 / 003

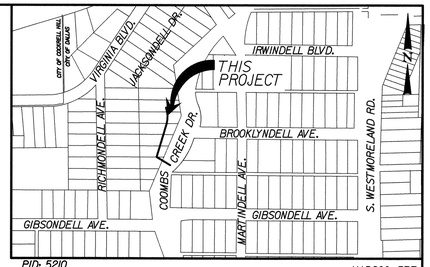
SCALE: 1"=4'



BRACKET SETUP DETAIL

3 / 003

SCALE: N.T.S.



PID: 5210

MAPSCO: 53F

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 ~ POWER !

Overhead Electric Cables In Area
Contact ONCOR Two Working Days Prior To Construction.
Tele: 1-800-344-8377/888-313-4747

Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by Jaster-Quintanilla, LLP on August 18, 2015. The design relies on the assumptions provided by the survey.
3. Cost of pipe shall include bridge connections.

GENERAL NOTES:

1. Brackets shall be placed within one foot of pipe joints. Maximum bracket spacing shall be 20'.
2. At bridge crossing proposed water line shall be restrained joint ductile iron pipe thickness Class 52. Ductile iron pipe shall be coated with exterior weathering coating per the technical specifications.

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
A square is cut on top of a concrete curb at the center of a Storm Sewer Drop Inlet at the Southeast corner of the Coombs Creek Dr. & Ivandell Intersection.
ELEV = 590.38 MAPSCO 53K

BENCHMARK #2
A square on a concrete curb at the Midpoint, at the Northwest corner of the Gibsondell & Martindell Intersection.
ELEV = 601.62 MAPSCO 53K

CONTROL POINT #32
5/8" CIRS
N. 6955377.07; E. 2467424.46; ELEV = 514.46

CONTROL POINT #33
5/8" CIRS
N. 6955636.62; E. 2467594.30; ELEV = 514.46

CONTROL POINT #34
5/8" CIRS
N. 6955834.49; E. 2467575.00; ELEV = 514.46

Horizontal Scale: 1" = 4'
0' 4' 8'
Vertical Scale: 1" = 4'
0' 4' 8'

REFERENCES

WATER
45-17W, & 46-17W

WASTEWATER
BH E-14, 45-17S, & 46-17S

Marti S. Cairns
STATE OF TEXAS
MARTI S. CAIRNS
84766
LICENSED
PROFESSIONAL ENGINEER
5/4/2020

Kimley»Horn

PID: 5210	CONTRACT NO. 20-173/174

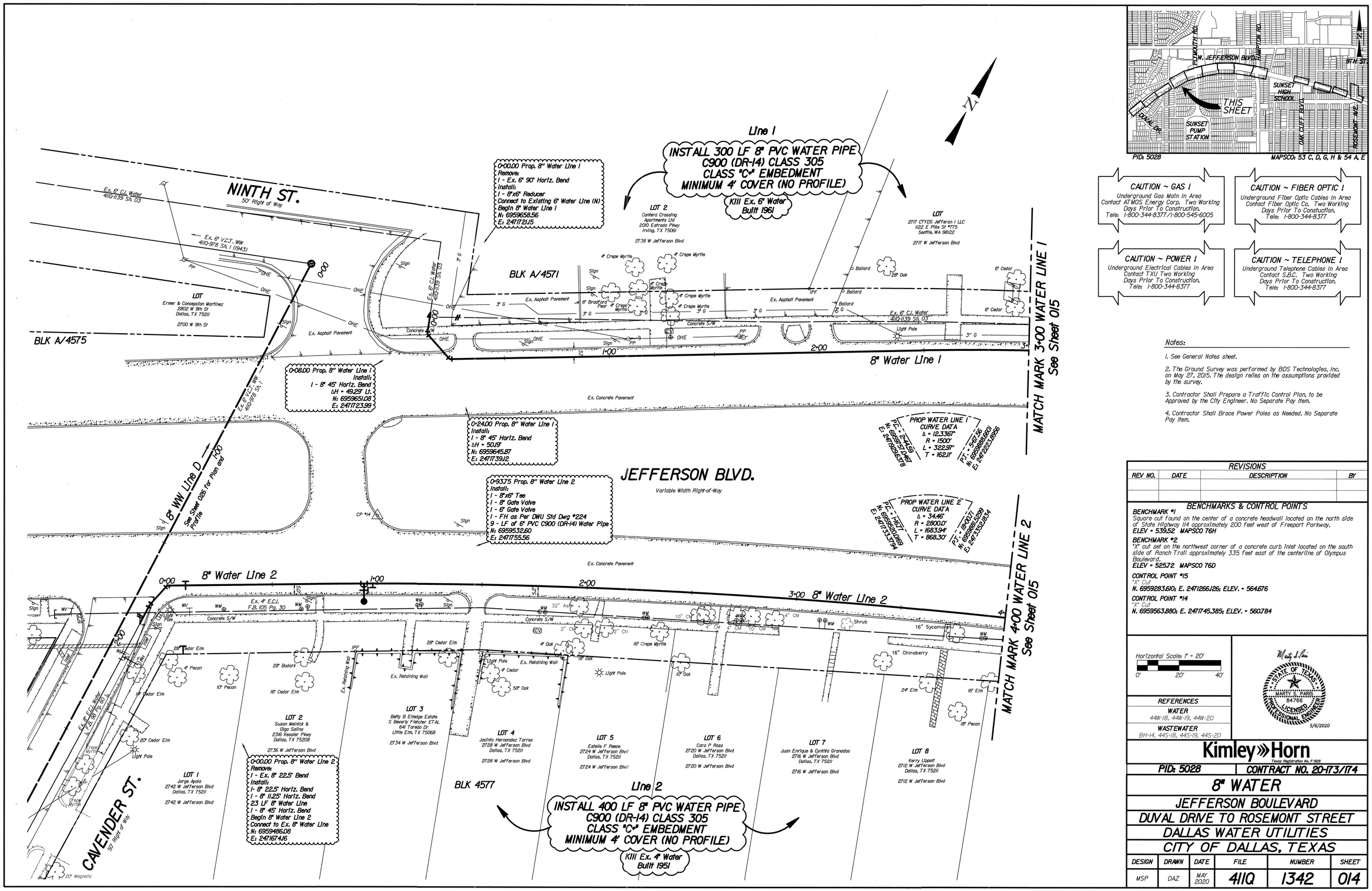
BRIDGE CROSSING DETAILS

EASEMENT WEST OF COOMBS CREEK & BROOKLYNDELL

DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	DJC	MAY 2020	411Q	1332	003



PID: 5028 MAPSCO: 53 C, D, G, H & 54 A, E

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

Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by BDS Technologies, Inc. on May 27, 2015. The design relies on the assumptions provided by the survey.
3. Contractor Shall Prepare a Traffic Control Plan, to be Approved by the City Engineer. No Separate Pay Item.
4. Contractor Shall Brace Power Poles as Needed. No Separate Pay Item.

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
Square cut found on the center of a concrete headwall located on the north side of State Highway 114 approximately 200 feet west of Freeport Parkway.
ELEV. = 539.52 MAPSCO 76H

BENCHMARK #2
"X" cut set on the northwest corner of a concrete curb inlet located on the south side of Ranch Trail approximately 335 feet east of the centerline of Olympus Boulevard.
ELEV = 525.72 MAPSCO 76D

CONTROL POINT #15
"X" Cut
N. 6959283.610; E. 2471266.126; ELEV. = 564.576

CONTROL POINT #14
"X" Cut
N. 6959563.880; E. 2471745.385; ELEV. = 560.784

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

REFERENCES

WATER	44N-18, 44N-19, 44N-20
WASTEWATER	BH-14, 44S-18, 44S-19, 44S-20

Marty L. Parris
STATE OF TEXAS
MARTY L. PARRIS
84766
LICENSED
PROFESSIONAL ENGINEER
5/6/2020

Kimley»Horn
Texas Registration No. F-928

PID: 5028 CONTRACT NO. 20-173/174

8" WATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	4110	1342	014

Line 1

INSTALL 450 LF 8" PVC WATER PIPE
C900 (DR-14) CLASS 305
CLASS "C" EMBEDMENT
MINIMUM 4' COVER (NO PROFILE)

K111 Ex. 6" Water
Built 1961

MATCH MARK 3+00 WATER LINE 1
See Sheet 014

MATCH MARK 7+50 WATER LINE 1
See Sheet 016

MATCH MARK 4+00 WATER LINE 2
See Sheet 014

MATCH MARK 8+50 WATER LINE 2
See Sheet 016

JEFFERSON BLVD.
Variable Width Right-of-Way

PLYMOUTH RD.
100' Right of Way

8" Water Line 1

8" Water Line 2

Remove and Deliver
Ex. Fire Hydrant

38" Oak

Ex. 6" C.I. Water
4110-11.39 Sh. 08

Ex. Wrought Iron Fence

Ex. Concrete Pavement

Concrete S/W

LOT 1
Morelia Mexican Rest Inc
Attn: Santos Lozano
10230 Harry Hines Blvd
Dallas, TX 75220

2707 W Jefferson Blvd

4" Cedar

Ex. 6" E.C.I. Water
F.B. 124 Pg. 49

Ex. 30" C.I. Water
685W-45 Sh. 06

Ex. Asphalt Pavement

Traffic Light

Light Pole

Sign

Fire Hydrant

Ex. 6" E.C.I. Water
F.B. 223 Pg. 44

Ex. 8" Conc. WW
4110-11.39 Sh. 08

16" Oak

14" Oak

Hedges

Ex. Asphalt Pavement

Ex. 30" Conc. Water
685W-225 Sh. 01

Ex. 4" E.C.I.
F.B. 105 Pg. 30

Ex. 6" E.C.I. Water
F.B. 105 Pg. 30

Ex. 30" C.I. Water
685W-46? Sh. 06

Ex. 6" E.C.I. Water
F.B. 101 Pg. 63

Ex. Concrete Pavement

24" Oak

38" Oak

Light Pole

LOT 9
USA
810 Vermont Ave NW
Washington, DC

2708 W Jefferson Blvd

LOT 10
Juan G &
Maria D Pedroza
2726 Alden Ave
Dallas, TX 75211

2704 W Jefferson Blvd

LOT 11
Roy & Lucila D Castillo
2700 W Jefferson Blvd
Dallas, TX 75211

2700 W Jefferson Blvd

LOT 2
Moclas Maria De La Luz Life Estate
2638 W Jefferson Blvd
Dallas, TX 75211

2638 W Jefferson Blvd

LOT 3
Expeditia Elsa Sotelo
2634 W Jefferson Blvd
Dallas, TX 75211

2634 W Jefferson Blvd

8" WW Line E
See Sheet 027 for Plan and Profile

PROP WATER LINE 1
CURVE DATA
Δ = 12.3367°
R = 1500'
L = 322.97'
T = 162.11'
P.C. = 2+47.59
N: 6959957.0767
E: 2471929.8578
P.T. = 5+67.56
N: 6959868.8931
E: 2472222.8855

PROP WATER LINE 2
CURVE DATA
Δ = 34.46°
R = 2800.0'
L = 1683.94'
T = 868.30'
P.C. = 1+16.77
N: 6959990.0169
E: 2471733.3794
P.T. = 18+00.71
N: 6959981.5269
E: 2473392.1834

PROP WATER LINE 1
CURVE DATA
Δ = 9.7924°
R = 2850.0'
L = 287.0904'
T = 144.14'
P.C. = 5+81.23
N: 6959852.9903
E: 2472237.0035
P.T. = 10+68.43
N: 6960005.6166
E: 2472710.3660

3+65.39 Prop. 8" Water Line 1
Install:
1 - 8"x6" Tee
1 - 8" Gate Valve
1 - 6" Gate Valve
1 - FH as Per DNU Std Dwg #224
9 - LF of 6" PVC C900 (DR-14) Water Pipe
N: 6959813.67
E: 2472036.31

5+82.49 Prop. 8" Water Line 2
Install:
1 - 8" Gate Valve
N: 6959733.43
E: 2472200.44

6+13.39 Prop. 8" Water Line 1
Install:
1 - 8"x6" Tee
2 - 8" Gate Valves
1 - 8" 45° Horiz. Bend
1 - 8"x6" Reducer
1 - 6" 45° Horiz. Bend
50 - LF of 8" Water Line
Connect to Existing 6" E.C.I. Water Line (N)
N: 6959902.60
E: 2472267.55

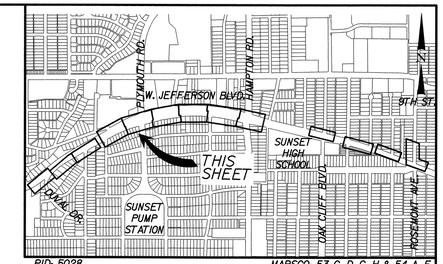
6+59.49 Prop. 8" Water Line 2
Install:
1 - 8"x8" Tee
1 - 8" Gate Valve
1 - 8" x 6" Tee
7 LF 6" Water Line
1 - 6" Gate Valve
1 - 8" 45° Horiz. Bend
1 - 8"x6" Reducer
1 - 6" 45° Horiz. Bend
45 LF 8" Water Line
Connect to Existing 6" Water Line (S)
N: 6959757.87
E: 2472273.46

Remove and Deliver
Ex. Fire Hydrant

Line 2

INSTALL 450 LF 8" PVC WATER PIPE
C900 (DR-14) CLASS 305
CLASS "C" EMBEDMENT
MINIMUM 4' COVER (NO PROFILE)

K111 Ex. 4" Water
Built 1951



PID: 5028

MAPSCO: 53 C, D, G, H & 54 A, E

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

Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by BDS Technologies, Inc. on May 27, 2015. The design relies on the assumptions provided by the survey.
3. Contractor Shall Prepare a Traffic Control Plan, to be Approved by the City Engineer. No Separate Pay Item.
4. Contractor Shall Brace Power Poles as Needed. No Separate Pay Item.

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
Square cut found on the center of a concrete headwall located on the north side of State Highway 114 approximately 200 feet west of Freeport Parkway.
ELEV = 539.52 MAPSCO 76H

BENCHMARK #2
"X" cut set on the northwest corner of a concrete curb inlet located on the south side of Ranch Trail approximately 335 feet east of the centerline of Olympus Boulevard.
ELEV = 525.72 MAPSCO 76D

CONTROL POINT #14
"X" Cut
N. 6959563.880; E. 2471745.385; ELEV. = 560.784

CONTROL POINT #13
"X" Cut
N. 6959837.882; E. 2472286.213; ELEV. = 569.051

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

REFERENCES

WATER
44W-18, 44W-19, 44W-20

WASTEWATER
BH-14, 44S-18, 44S-19, 44S-20

Marty S. Paris
STATE OF TEXAS
84766
LICENSED
PROFESSIONAL ENGINEER
5/6/2020

Kimley»Horn
Texas Registration No. F-928

PID: 5028 | CONTRACT NO. 20-173/174

8" WATER

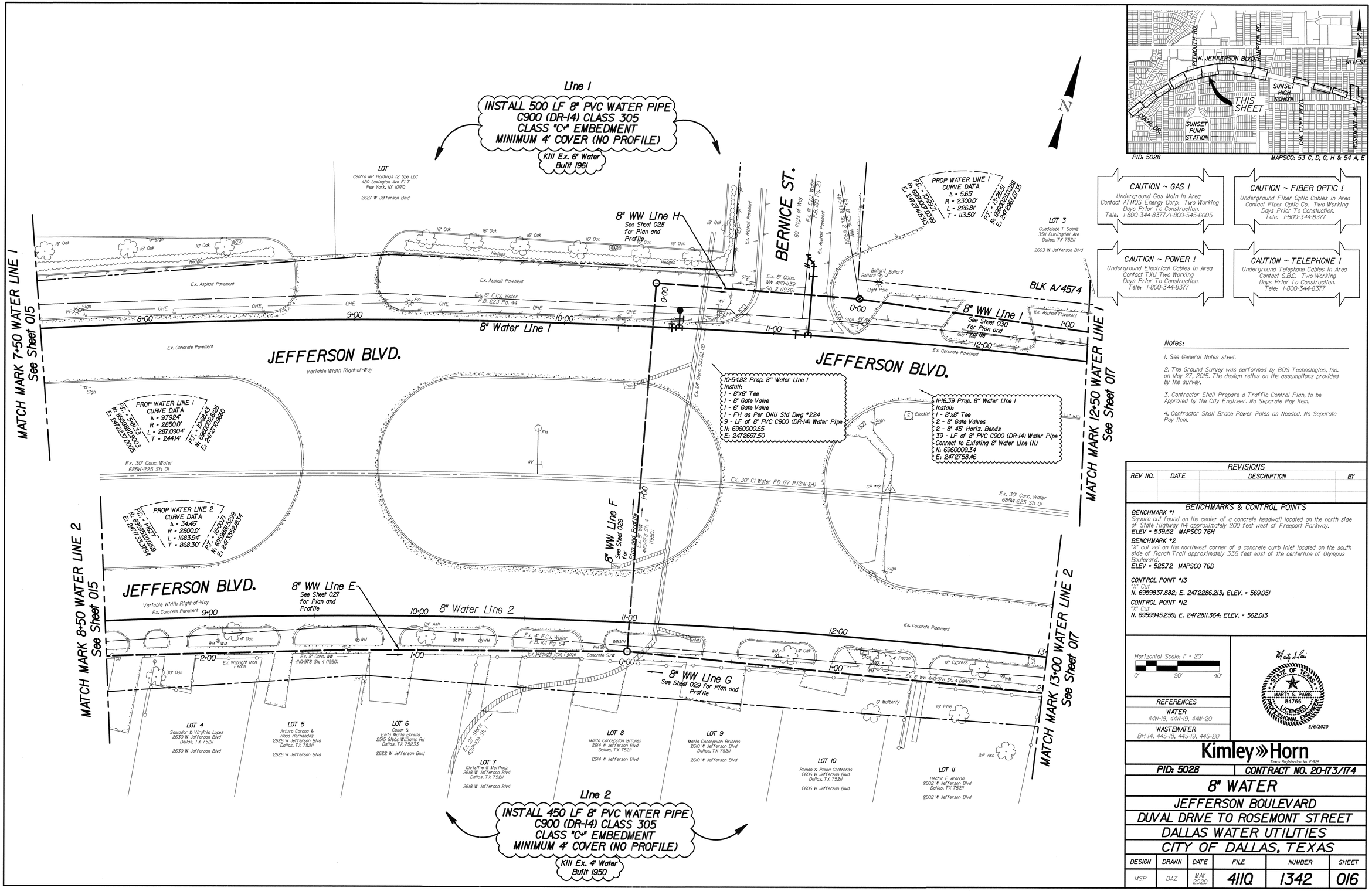
JEFFERSON BOULEVARD

DUVAL DRIVE TO ROSEMONT STREET

DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	015



PID: 5028 MAPSCO: 53 C, D, G, H & 54 A, E

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 ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Optic Co. Two Working Days Prior To Consfuction.
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 ~ TELEPHONE !
Underground Telephone Cables In Area
Contact S.B.C. Two Working Days Prior To Construction.
Tele: 1-800-344-8377

Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by BDS Technologies, Inc. on May 27, 2015. The design relies on the assumptions provided by the survey.
3. Contractor Shall Prepare a Traffic Control Plan, to be Approved by the City Engineer. No Separate Pay Item.
4. Contractor Shall Brace Power Poles as Needed. No Separate Pay Item.

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
Square cut found on the center of a concrete headwall located on the north side of State Highway 114 approximately 200 feet west of Freeport Parkway.
ELEV = 539.52 MAPSCO 76H

BENCHMARK #2
"X" cut set on the northwest corner of a concrete curb inlet located on the south side of Ranch Trail approximately 335 feet east of the centerline of Olympus Boulevard.
ELEV = 525.72 MAPSCO 76D

CONTROL POINT #13
"X" Cut
N. 6959837.882; E. 2472286.213; ELEV. = 569.051

CONTROL POINT #12
"X" Cut
N. 6959945.259; E. 2472811.364; ELEV. = 562.013

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

REFERENCES

WATER	44W-18, 44W-19, 44W-20
WASTEWATER	BH-14, 44S-18, 44S-19, 44S-20

Marty L. Lair
84786
STATE OF TEXAS
LICENSED PROFESSIONAL ENGINEER
5/6/2020

Kimley»Horn
Texas Registration No. F-928

PID: 5028 CONTRACT NO. 20-173/174

8" WATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	016

Line 1

INSTALL 450 LF 8" PVC WATER PIPE
C900 (DR-14) CLASS 305
CLASS "C" EMBEDMENT
MINIMUM 4' COVER (NO PROFILE)

K111 Ex. 6" Water
Built 1937

MATCH MARK 12+50 WATER LINE 1
See Sheet 016

MATCH MARK 17+00 WATER LINE 1
See Sheet 018

LOT 1
Ernest P Williams
2535 W Jefferson Blvd
Dallas, TX 75211

2537 W Jefferson Blvd

LOT
Lucretia Ann & Ernest P Williams
708 Misty Glen Ln
Dallas, TX 75232

2535 W Jefferson Blvd

LOT 2
Cirilo & Olga Garcia
2547 Brooklyn Ave
Dallas, TX 75211

2531 W Jefferson Blvd

LOT 1A
Realty Income Ppties 4 LLC
%Realty Income Corp
11995 El Camino Real
San Diego, CA 92130

2515 W Jefferson Blvd

Ex. 6" Conc. WW
4110-11.39 Sh. 2 (1936)

Ex. 6" E.C.I. Water
F.B. 15 Pg. 26

Ex. 30" E.C.I. Water
F.B. 171 Pg. 12 (N-24)

Ex. 4" E.C.I. Water
F.B. 20 Pg. 64

Ex. 4" E.C.I. Water
F.B. 23 Pg. 43

Ex. 30" Conc. Water
685W-225 Sh. 01

8" WW Line I
See Sheet 030&031
for Plan and Profile

8" Water Line I

8" WW Line G
See Sheet 029 for Plan and Profile

8" WW Line J
See Sheet 033
for Plan and Profile

8" Water Line 2

JEFFERSON BLVD.
Variable Width Right-of-Way

BLK 1/4554

PROP WATER LINE 1
CURVE DATA
Δ = 5.65°
R = 2300.0'
L = 226.81'
T = 113.50'
P.C. = 10+93.31
N: 6960001.0239
E: 2472714.5315
P.T. = 13+26.51
N: 6960012.2288
E: 2472567.9735

PROP WATER LINE 1
CURVE DATA
Δ = 5.23°
R = 2300.0'
L = 209.92'
T = 105.03'
P.C. = 13+73.08
N: 6960030.0985
E: 2473044.1995
P.T. = 15+83.00
N: 6960028.5846
E: 2473224.0490

PROP WATER LINE 1
CURVE DATA
Δ = 8.80°
R = 2500.0'
L = 383.81'
T = 192.31'
P.C. = 16+76.50
N: 6960034.9951
E: 2473517.2532
P.T. = 20+60.31
N: 6959976.4435
E: 2473659.5397

PROP WATER LINE 2
CURVE DATA
Δ = 34.46°
R = 2800.0'
L = 1683.94'
T = 868.30'
P.C. = 7+19.77
N: 6959920.0169
E: 2471735.3794
P.T. = 18+03.71
N: 6959881.5259
E: 2473352.8834

14+72.76 Prop. 8" Water Line I
Install:
1 - 8" x 6" Tee
1 - 6" Gate Valve
1 - 8" Gate Valve
2 - 6" 45° Horiz. Bends
21 - LF of 6" PVC C900(DR-14) Water Pipe
Connect to Ex. 6" Water Line
for Large Water Vault
N: 6960032.22
E: 2473113.85

13+81.06 Prop. 8" Water Line 2
Install:
1 - 8"x6" Tee
1 - 8" Gate Valve
1 - 6" Gate Valve
1 - FH as Per DWU Std Dwg #224
9 - LF of 6" PVC C900 (DR-14) Water Pipe
N: 6959886.99
E: 2472981.36

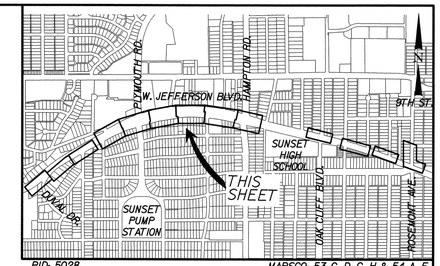
15+23.65 Prop. 8" Prop. 8" Water Line 2
Install:
1 - 8" 45° Horiz. Bend
ΔH = 45° Rt.
N: 6959890.71
E: 2473123.89

15+37.48 Prop. 8" Prop. 8" Water Line 2
Install:
1 - 8" 45° Horiz. Bend
ΔH = 45° Lt.
N: 6959899.69
E: 2473134.39

Line 2

INSTALL 450 LF 8" PVC WATER PIPE
C900 (DR-14) CLASS 305
CLASS "C" EMBEDMENT
MINIMUM 4' COVER (NO PROFILE)

K111 Ex. 4" Water
Built 1957



PID: 5028

MAPSCO: 53 C, D, G, H & 54 A, E

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

Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by BDS Technologies, Inc. on May 27, 2015. The design relies on the assumptions provided by the survey.
3. Contractor Shall Prepare a Traffic Control Plan, to be Approved by the City Engineer. No Separate Pay Item.
4. Contractor Shall Brace Power Poles as Needed. No Separate Pay Item.

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
Square cut found on the center of a concrete headwall located on the north side of State Highway 114 approximately 200 feet west of Freeport Parkway.
ELEV = 539.52 MAPSCO 76H

BENCHMARK #2
"X" cut set on the northwest corner of a concrete curb inlet located on the south side of Ranch Trail approximately 335 feet east of the centerline of Olympus Boulevard.
ELEV = 525.72 MAPSCO 76D

CONTROL POINT #13
"X" Cut
N. 6959837.882; E. 2472286.213; ELEV. = 569.051

CONTROL POINT #12
"X" Cut
N. 6959945.259; E. 2472811.364; ELEV. = 562.013

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

REFERENCES

WATER
44W-18, 44W-19, 44W-20

WASTEWATER
BH-14, 44S-18, 44S-19, 44S-20

STATE OF TEXAS
MARTY S. PARIS
84766
LICENSED
PROFESSIONAL ENGINEER
5/6/2020

Kimley»Horn
Texas Registration No. F-928

PID: 5028 | CONTRACT NO. 20-173/174

8" WATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	017

Line 1

INSTALL 400 LF 8" PVC WATER PIPE
C900 (DR-14) CLASS 305
CLASS "C" EMBEDMENT
MINIMUM 4' COVER (NO PROFILE)

Kill Ex. 6" Water
Built 1937

Line 2

INSTALL 220 LF 8" PVC WATER PIPE
C900 (DR-14) CLASS 305
CLASS "C" EMBEDMENT
MINIMUM 4' COVER (NO PROFILE)

Kill Ex. 6" Water
Built 1939

MATCH MARK 17+00 WATER LINE 1
See Sheet 017

MATCH MARK 17+50 WATER LINE 2
See Sheet 017

MATCH MARK 21+00 WATER LINE 1
See Sheet 019

Remove and Deliver
Ex. Fire Hydrant

17+20.37 Prop. 8" Water Line 1
Install:
1 - 8"x6" Tee
1 - 8" Gate Valve
1 - 6" Gate Valve
1 - FH as Per DWU Std Dwg #224
9 - LF of 8" PVC C900 (DR-14) Water Pipe
N: 6960022.32
E: 2473361.22

PROP WATER LINE 1
CURVE DATA
Δ = 8.80°
R = 2500.0'
L = 383.81'
T = 192.31'
P.C. = 18+76.90
N: 6960024.951
E: 2473512.252
P.T. = 20+60.17
N: 6959877.405
E: 2473587.637

19+06.44 Prop. 8" Water Line 2
17+50.04 Prop. 8" Water Line 1
Install:
1 - 8"x8" Tee
1 - 8" Gate Valve
End Prop. 8" Water Line 2
N: 6960020.66
E: 2473384.21

17+79.18 Prop. 8" Water Line 2
Install:
1 - 8" 45° Horiz. Bend
ΔH = 45° Rt.
N: 6959893.81
E: 2473374.10

17+72.12 Prop. 8" Water Line 2
Install:
1 - 8" 45° Horiz. Bend
ΔH = 45° Rt.
N: 6959893.22
E: 2473368.74

8" WW Line K
See Sheet 035
for Plan and Profile

8" WW Line J
See Sheet 032 & 033 for
Plan and Profile

8" Water Line 1

8" Water Line 2

PASLEY ST.

JEFFERSON BLVD.
Variable Width Right-of-Way

FRANKLIN ST.
50' Right of Way

30' Right of Way

LOT 1A
Realty Income Pptles 4 LLC
%Realty Income Corp
11995 El Camino Real
San Diego, CA 92130

2515 W Jefferson Blvd

LOT 1A
Dallas Yankees LLC
%, Marty Wasserstein
PO Box 2577
New Preston, CT 06777

2427 W Jefferson Blvd

LOT 1
Preparing the Way Ministries
2442 W Jefferson Blvd
Dallas, TX 75211

2442 W Jefferson Blvd

Ex. 6" E.C.I. Water
F.B. 23 Pg. 43

Ex. 4" E.C.I. Water
F.B. 23 Pg. 43

Ex. 30" E.C.I. Water
F.B. 177 Pg. 12 (N-24)

Ex. 30" Conc. Water
68SW-225 Sh. 02

Ex. 6" V.C.T. WW
4110-2 Sh. 1
(1937)

Ex. Concrete Pavement

Ex. Wrought Iron Fence

Concrete S/W

Electric Outlet

Light Pole

Hedges

Sidewalk

Sign

Guy

Fire Hydrant

Elec MH

WMH

WV

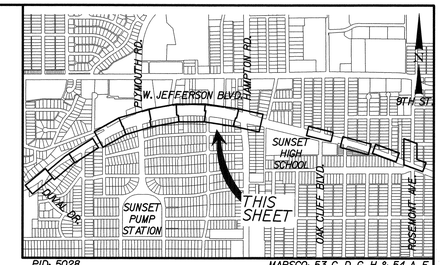
IPF

IPP

CP

Stations: 5+00, 18+00, 19+00, 4+00, 3+00, 20+00, 5+00, 4+00, 3+00

6" Sweet Gum
6" Maple
6" Cedar Elm
12" Oak
4" Mulberry
4" Oak
4" Pecan
4" Palm
6" Crape Myrtle
14" Cedar
14" Hackberry
12" Hackberry
16" Hackberry



PID: 5028

MAPSCO: 53 C, D, G, H & 54 A, E

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 ~ 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 ~ TELEPHONE !
Underground Telephone Cables In Area
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Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by BDS Technologies, Inc. on May 27, 2015. The design relies on the assumptions provided by the survey.
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REVISIONS

REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
Square cut found on the center of a concrete headwall located on the north side of State Highway 114 approximately 200 feet west of Freeport Parkway.
ELEV = 539.52 MAPSCO 76H

BENCHMARK #2
"X" cut set on the northwest corner of a concrete curb inlet located on the south side of Ranch Trail approximately 335 feet east of the centerline of Olympus Boulevard.
ELEV = 525.72 MAPSCO 76D

CONTROL POINT #12
"X" Cut
N. 6959945.259; E. 2472811.364; ELEV. = 562.013

CONTROL POINT #11
"X" Cut
N. 6959952.045; E. 2473592.141; ELEV. = 572.941

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

REFERENCES

WATER	44W-18, 44W-19, 44W-20
WASTEWATER	BH-14, 44S-18, 44S-19, 44S-20

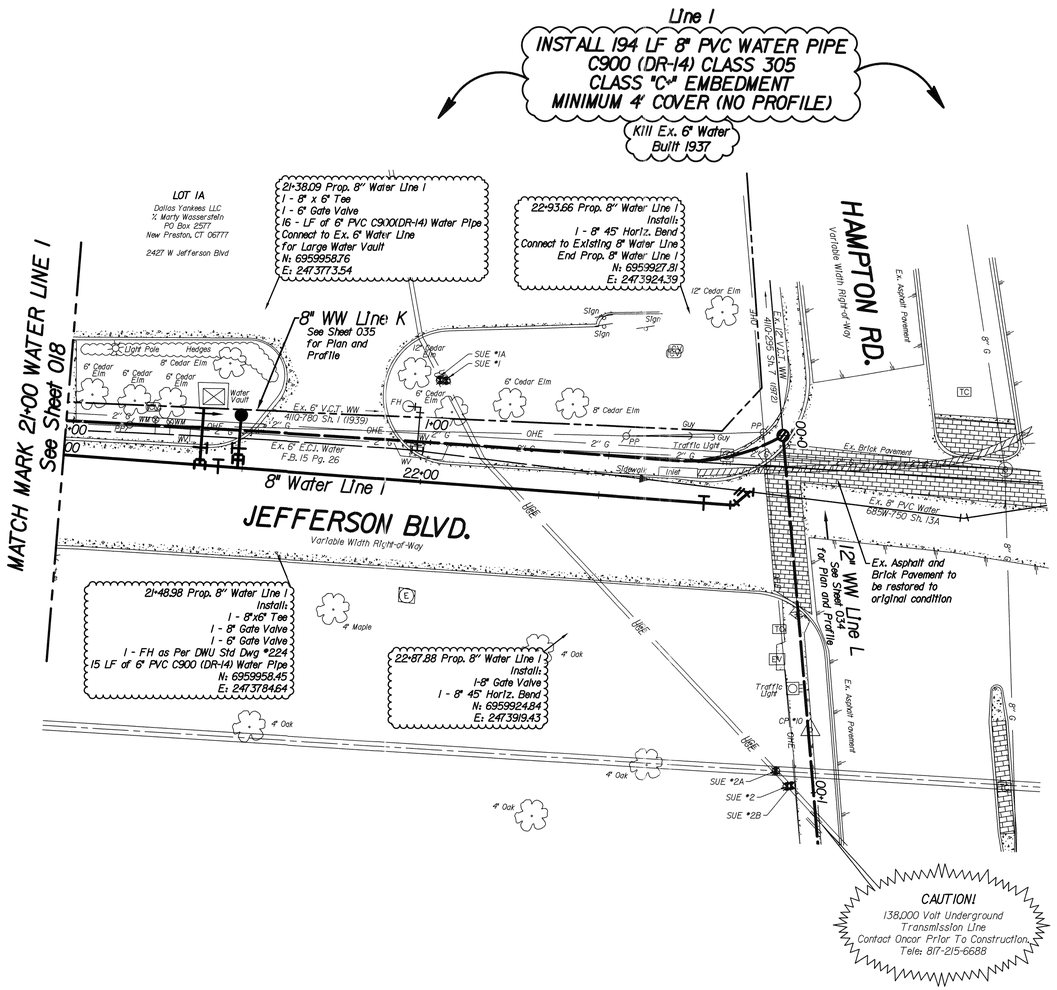
Marty S. Paris
84766
LICENSED
PROFESSIONAL ENGINEER
STATE OF TEXAS
5/6/2020

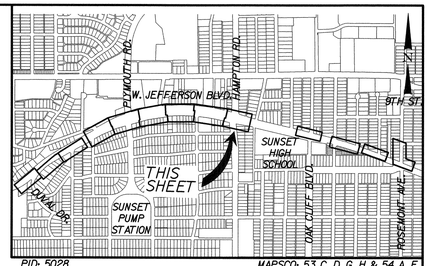
Kimley»Horn
Texas Registration No. F-928

PID: 5028 | CONTRACT NO. 20-173/174

8" WATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	4110	1342	018





PID: 5028 MAPSCO: 53 C, D, G, H & 54 A, E

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

Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by BDS Technologies, Inc. on May 27, 2015. The design relies on the assumptions provided by the survey.
3. Contractor Shall Prepare a Traffic Control Plan, to be Approved by the City Engineer. No Separate Pay Item.
4. Contractor Shall Brace Power Poles as Needed. No Separate Pay Item.

SUBSURFACE UTILITY ENGINEERING (SUE)

HOLE #	EX. UTILITY	GROUND ELEVATION AT SUE HOLE	DEPTH TO TOP OF UTILITY (LF)	TOP OF UTILITY ELEVATION	NORTHING	EASTING
1	6" Steel Electric Line	565.38	9.01	556.37	6959971.42	2473845.32
1A	6" Steel Electric Line	565.51	9.25	556.26	6959971.79	2473843.62
2	Steel Electric Line (Size Unknown)	559.79	8.83	550.96	6959844.96	2473921.97
2A	30" RCCP Water Line	559.86	5.22	554.64	6959849.71	2473919.61
2B	6" Steel Electrical Line	559.62	8.93	550.69	6959845.00	2473923.33

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
Square cut found on the center of a concrete headwall located on the north side of State Highway 114 approximately 200 feet west of Freeport Parkway.
ELEV = 539.52 MAPSCO 76H

BENCHMARK #2
"X" cut set on the northwest corner of a concrete curb inlet located on the south side of Ranch Trail approximately 335 feet east of the centerline of Olympus Boulevard.
ELEV = 525.72 MAPSCO 76D

CONTROL POINT #11
"X" Cut
N. 6959952.045; E. 2473592.141; ELEV. = 572.941

CONTROL POINT #10
"X" Cut
N. 6959859.476; E. 2473930.934; ELEV. = 559.241

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

REFERENCES

WATER	44W-18, 44W-19, 44W-20
WASTEWATER	BH-14, 44S-18, 44S-19, 44S-20

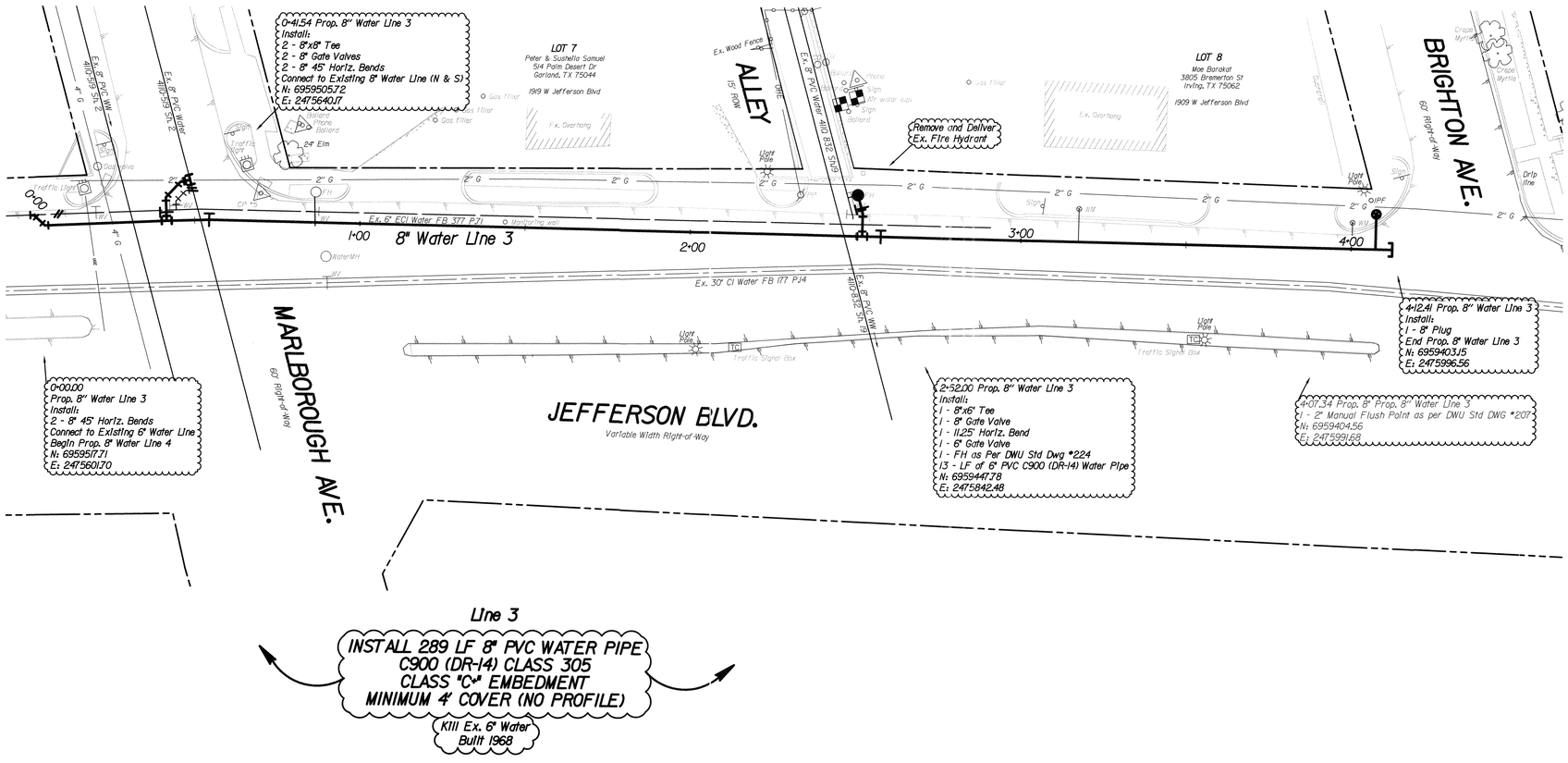
Marty S. Pais
STATE OF TEXAS
MARTY S. PAIS
84766
LICENSED
PROFESSIONAL ENGINEER
5/6/2020

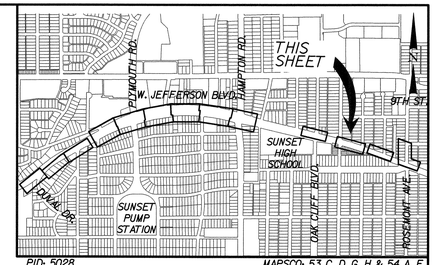
Kimley»Horn
Texas Registration No. F-928

PID: 5028 CONTRACT NO. 20-173/174

8" WATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	019





PID: 5028

MAPSCO: 53 C, D, G, H & 54 A, E

CAUTION ~ GAS !
Underground Gas Main In Area
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Underground Fiber Optic Cables In Area
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Tele: 1-800-344-8377

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

CAUTION ~ TELEPHONE !
Underground Telephone Cables In Area
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Tele: 1-800-344-8377

Notes:

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REVISIONS

REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

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Square cut found on the center of a concrete headwall located on the north side of State Highway 114 approximately 200 feet west of Freeport Parkway.
ELEV = 539.52 MAPSCO 76H

BENCHMARK #2
"X" cut set on the northwest corner of a concrete curb inlet located on the south side of Ranch Trail approximately 335 feet east of the centerline of Olympus Boulevard.
ELEV = 525.72 MAPSCO 76D

CONTROL POINT #4
"X" Cut
N. 6959342.041; E. 2476068.286; ELEV. = 571.273

CONTROL POINT #3
"X" Cut
N. 6959262.752; E. 2476418.735; ELEV. = 564.758

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

REFERENCES

WATER	44N-18, 44N-19, 44N-20
WASTEWATER	BH-14, 44S-18, 44S-19, 44S-20

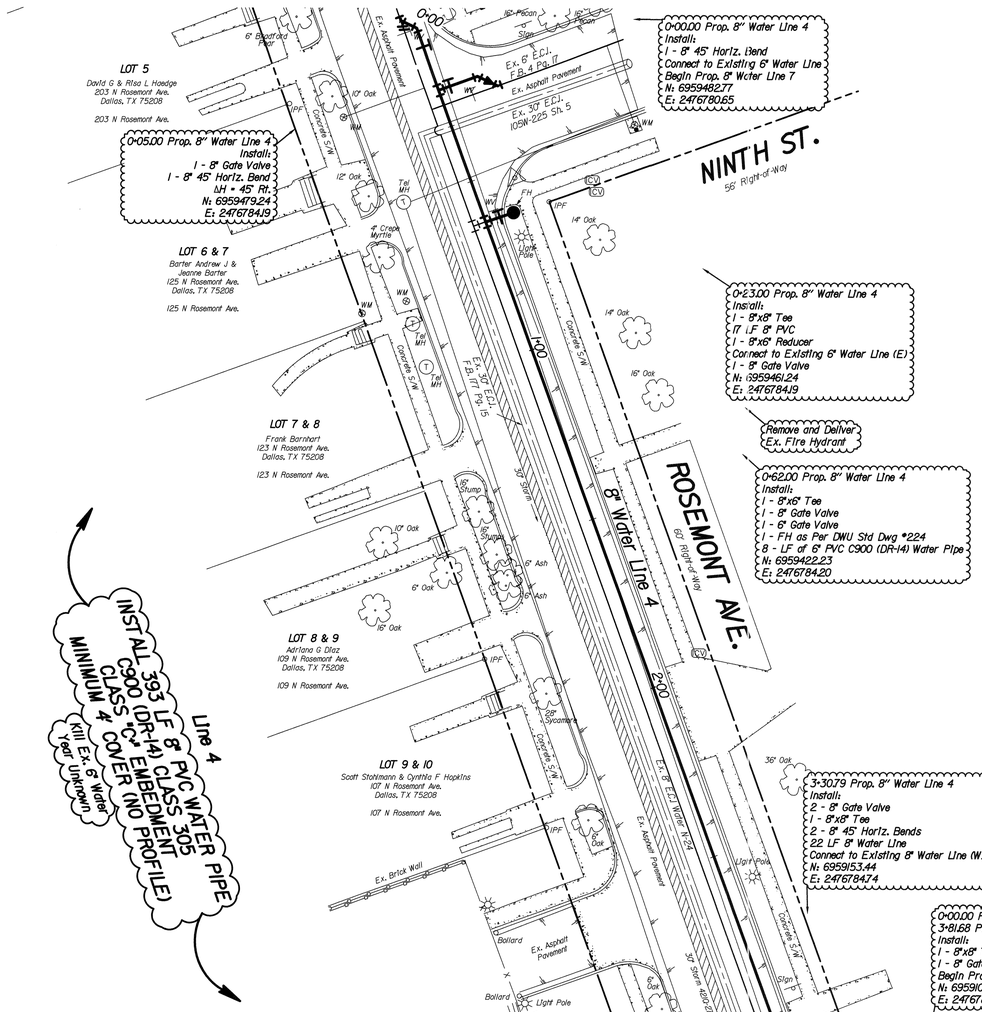
Marty S. Faris
STATE OF TEXAS
MARTY S. FARIS
84766
LICENSED
PROFESSIONAL ENGINEER
5/6/2020

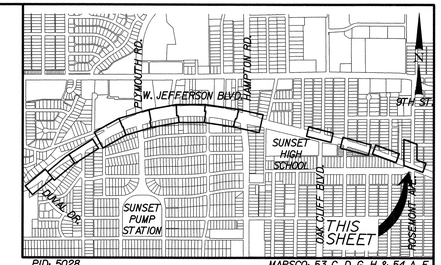
Kimley»Horn
Texas Registration No. F-928

PID: 5028 | CONTRACT NO. 20-173/174

8" WATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	020





PID: 5028 MAPSCO: 53 C, D, G, H & 54 A, E

CAUTION ~ GAS !
Underground Gas Main In Area
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Tele: 1-800-344-8377/1-800-545-6005

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

Notes:

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4. Contractor Shall Brace Power Poles as Needed. No Separate Pay Item.

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
Square cut found on the center of a concrete headwall located on the north side of State Highway 114 approximately 200 feet west of Freeport Parkway.
ELEV = 539.52' MAPSCO 76H

BENCHMARK #2
"X" cut set on the northwest corner of a concrete curb inlet located on the south side of Ranch Trail approximately 335 feet east of the centerline of Olympus Boulevard.
ELEV = 525.72' MAPSCO 76D

CONTROL POINT #1
"X" Cut
N. 6959431.039; E. 2476796.043; ELEV. = 562.203

CONTROL POINT #2
"X" Cut
N. 6959021.207; E. 2476801.702; ELEV. = 559.775

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

REFERENCES

WATER
44W-18, 44W-19, 44W-20

WASTEWATER
BH-14, 44S-18, 44S-19, 44S-20

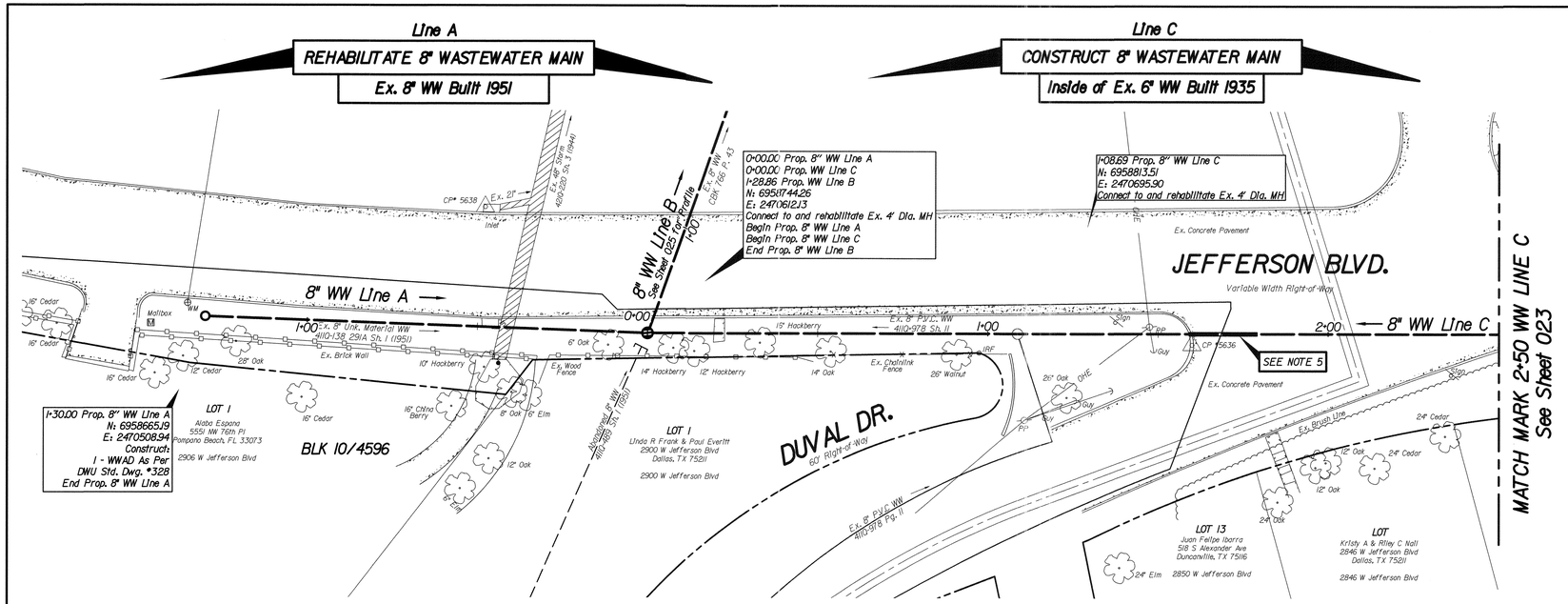
STATE OF TEXAS
MARTY S. PARIS
84766
LICENSED
PROFESSIONAL ENGINEER
5/6/2020

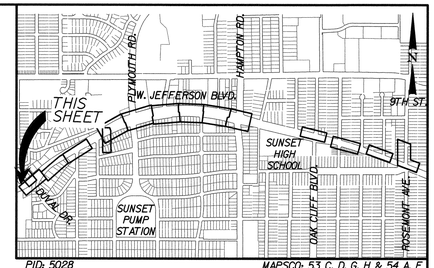
Kimley»Horn
Texas Registration No. F-928

PID: 5028 CONTRACT NO. 20-173/174

8" WATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	021



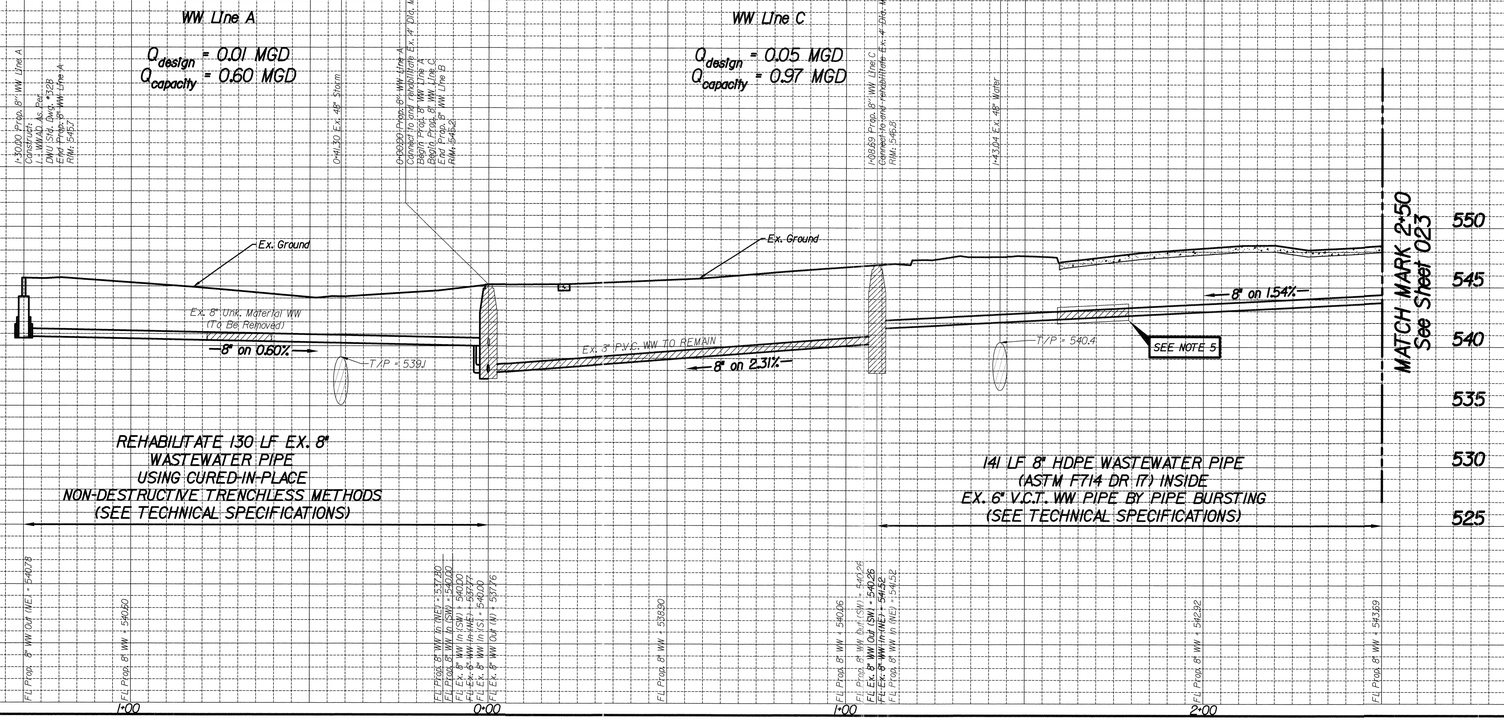


PID: 5028

MAPSCO: 53 C, D, G, H & 54 A, E

Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by BDS Technologies, Inc. on May 27, 2015. The design relies on the assumptions provided by the survey.
3. Contractor Shall Prepare a Traffic Control Plan, to be Approved by the City Engineer. No Separate Pay Item.
4. Contractor Shall Brace Power Poles as Needed. No Separate Pay Item.
5. Contractor to remove and replace 20 LF 6" WW with 12" steel casing. Payment shall be per bid Item No. 3540H point repair existing 6" WW main.



REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
WDBM in concrete walk southwest of Briscoe Blvd. and Jefferson Blvd.
ELEV = 568.19 MAPSCO 47R

BENCHMARK #2
WDBM on concrete curb storm sewer drop inlet southwest corner of Davis St. & Bernice St.
ELEV = 545.49 MAPSCO 47R

CONTROL POINT #5638
"X" Cut
N. 6958742.451; E. 2470551.807; ELEV. = 543.427

CONTROL POINT #5636
"X" Cut
N. 6958843.709; E. 2470737.479; ELEV. = 547.623

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

REFERENCES
WATER
44W-18, 44W-19, 44W-20
WASTEWATER
BH-14, 44S-18, 44S-19, 44S-20

Marty S. Paris
STATE OF TEXAS
MARTY S. PARIS
84765
LICENSED
PROFESSIONAL ENGINEER
5/6/2020

Kimley»Horn

PID: 5028 | CONTRACT NO. 20-173/174

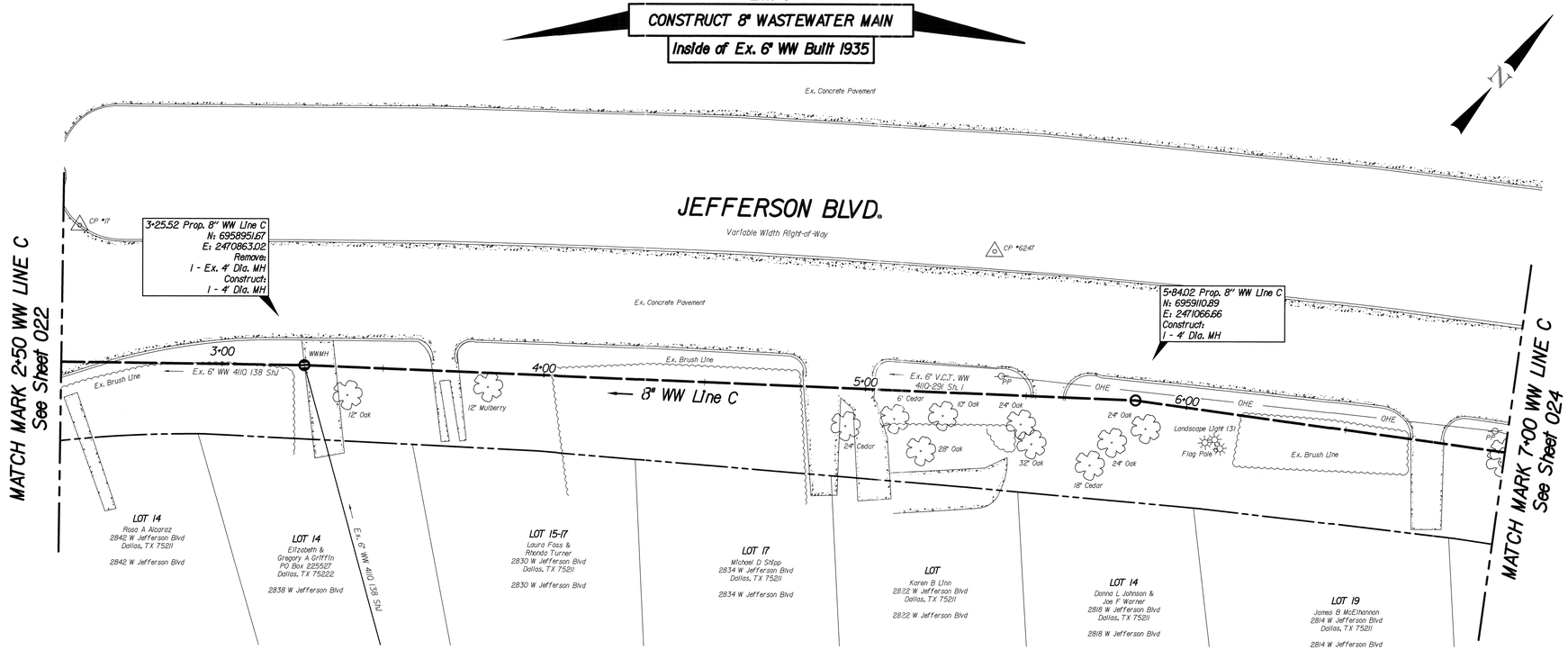
8" WASTEWATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

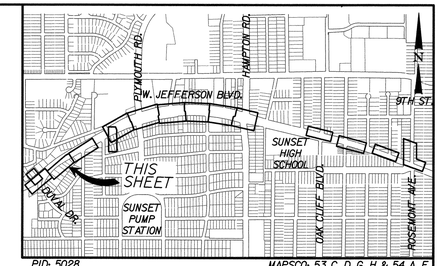
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	4110	1342	022

Line C

CONSTRUCT 8" WASTEWATER MAIN

Inside of Ex. 6" WW Built 1935





PID: 5028 MAPSCO: 53 C, D, G, H & 54 A, E

Notes:

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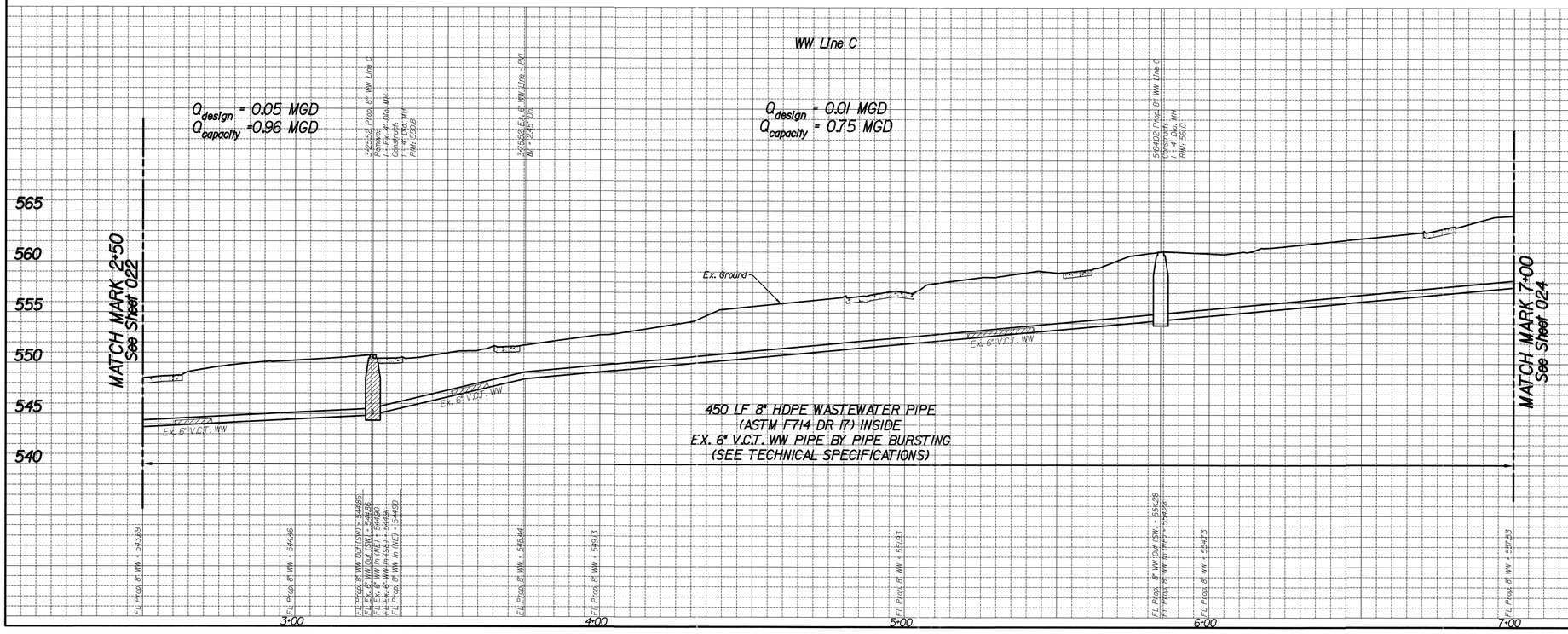


REVISIONS

REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK *1
WDBM In concrete walk southwest of Briscoe Blvd. and Jefferson Blvd.
ELEV = 568.19 MAPSCO 47R

BENCHMARK *2
WDBM on concrete curb storm sewer drop inlet southwest corner of Davis St. & Bernice St.
ELEV = 545.49 MAPSCO 47R

CONTROL POINT *117
"X" Cut
N. 6958939.472; E. 2470781.719; ELEV. = 547.735

CONTROL POINT *6247
5/8" Iron Rod Set
N. 6959117.620; E. 2471003.386; ELEV. = 557.042

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

REFERENCES

WATER
44W-18, 44W-19, 44W-20

WASTEWATER
BH-14, 44S-18, 44S-19, 44S-20

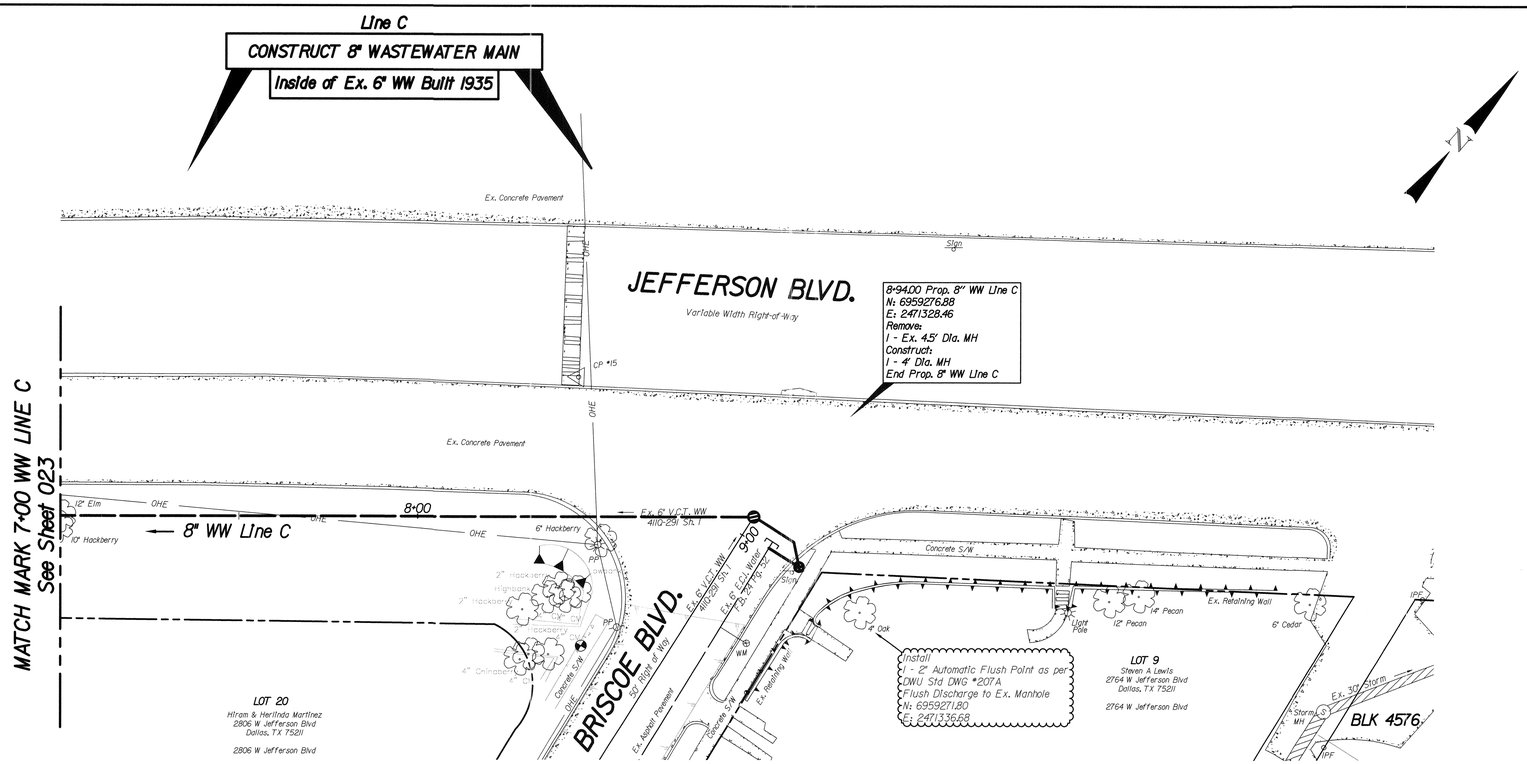
Marty S. Parr
STATE OF TEXAS
MARTY S. PARR
84766
LICENSED
PROFESSIONAL ENGINEER
5/6/2020

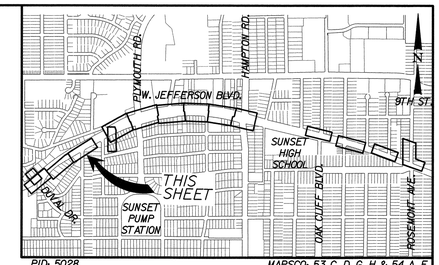
Kimley»Horn

PID: 5028 | CONTRACT NO. 20-173/174

8" WASTEWATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	023





PID: 5028

MAPSCO: 53 C, D, G, H & 54 A, E

Notes:

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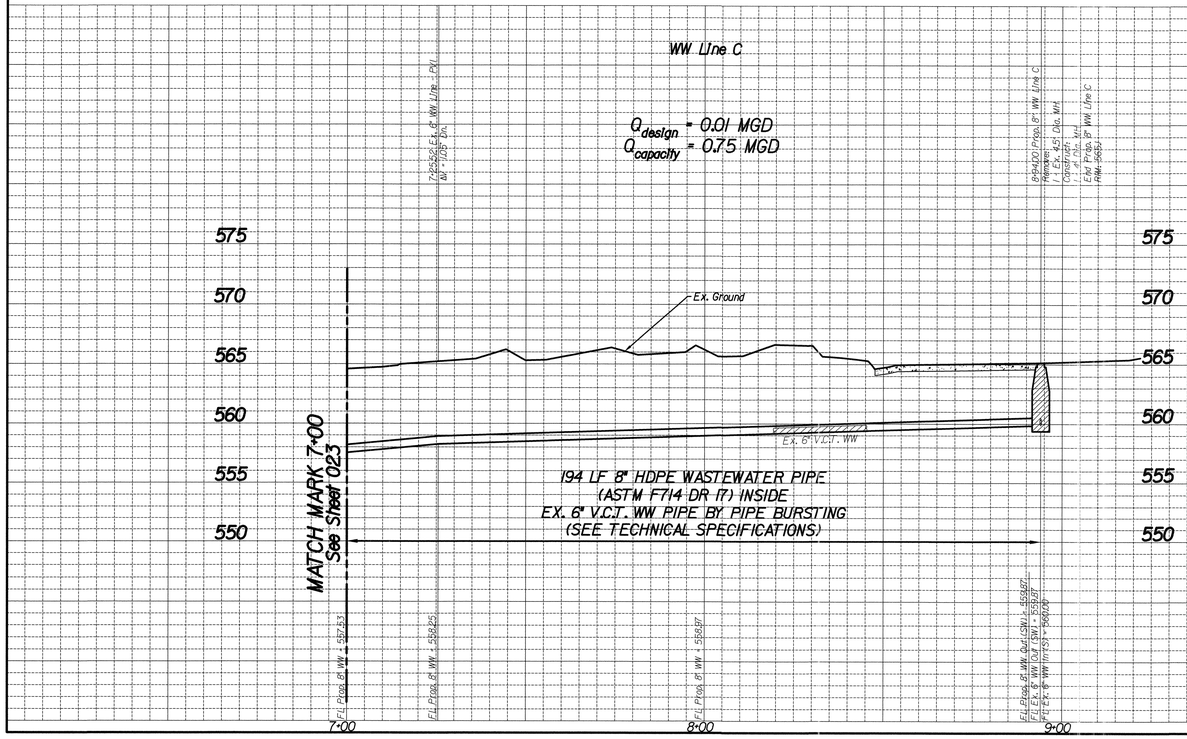


REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK *1
WDBM in concrete walk southwest of Briscoe Blvd. and Jefferson Blvd.
ELEV = 568.19 MAPSCO 47R

BENCHMARK *2
WDBM on concrete curb storm sewer drop inlet southwest corner of Davis St. & Bernice St.
ELEV = 545.49 MAPSCO 47R

CONTROL POINT *15
"X" Cut
N. 6959283.610; E. 2471266.126; ELEV. = 564.576

CONTROL POINT *6247
5/8" Iron Rod Set
N. 6959117.620; E. 2471003.386; ELEV. = 557.042

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

REFERENCES
WATER
44W-18, 44W-19, 44W-20
WASTEWATER
BH-14, 44S-18, 44S-19, 44S-20

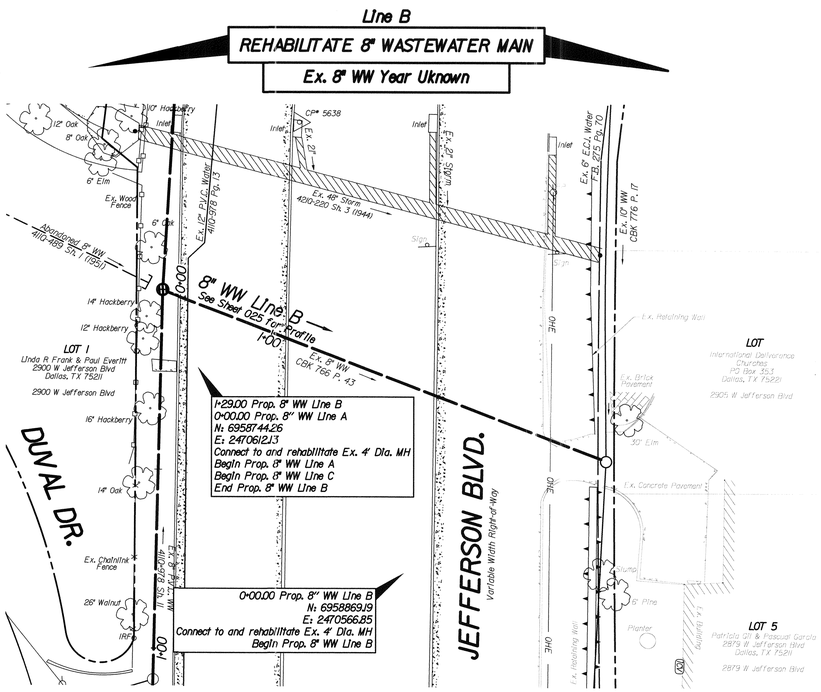
Marty S. Paris
STATE OF TEXAS
MARTY S. PARIS
84765
LICENSED
PROFESSIONAL ENGINEER
5/6/2020

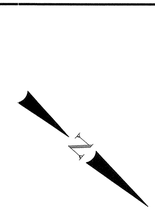
Kimley»Horn

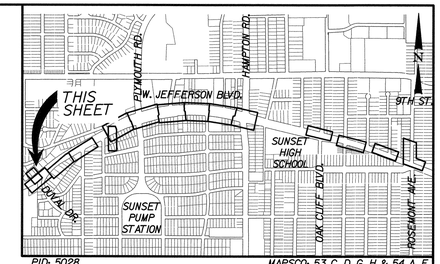
PID: 5028 | CONTRACT NO. 20-173/174

8" WASTEWATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	024







PID: 5028B

MAPSCO: 53 C, D, G, H & 54 A, E

Notes:

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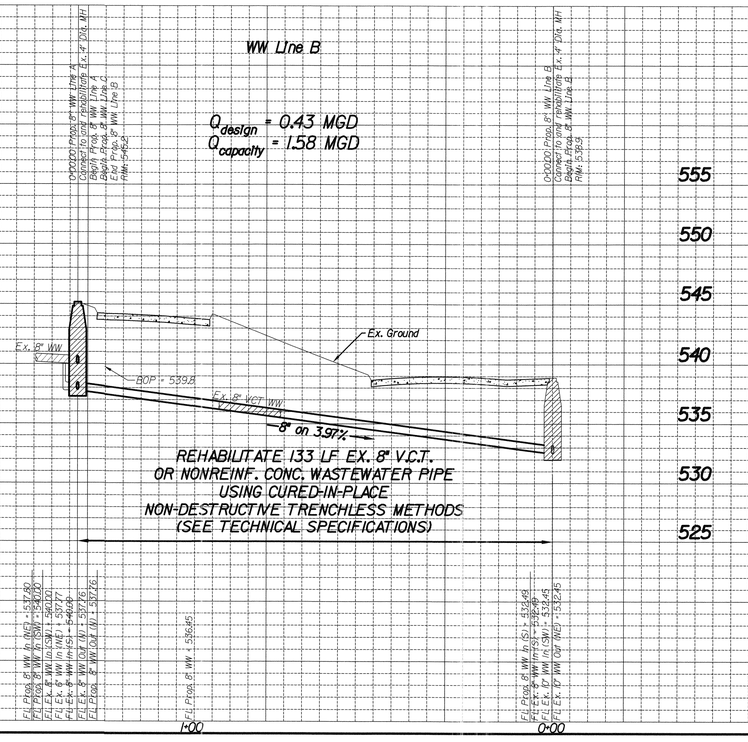


REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1

WDBM In concrete walk southwest of Briscoe Blvd. and Jefferson Blvd.

ELEV = 568.19 MAPSCO 47R

BENCHMARK #2

WDBM on concrete curb storm sewer drop inlet southwest corner of Davis St. & Bernice St.

ELEV = 545.49 MAPSCO 47R

Horizontal Scale: 1" = 20'

0' 20' 40'

Vertical Scale: 1" = 6'

0' 6' 12'

REFERENCES

WATER
44W-18, 44W-19, 44W-20

WASTEWATER
BH-14, 445-18, 445-19, 445-20

Matt S. Carr
STATE OF TEXAS
64766
MATTHEW S. CARR
LICENSED
PROFESSIONAL ENGINEER
5/6/2020

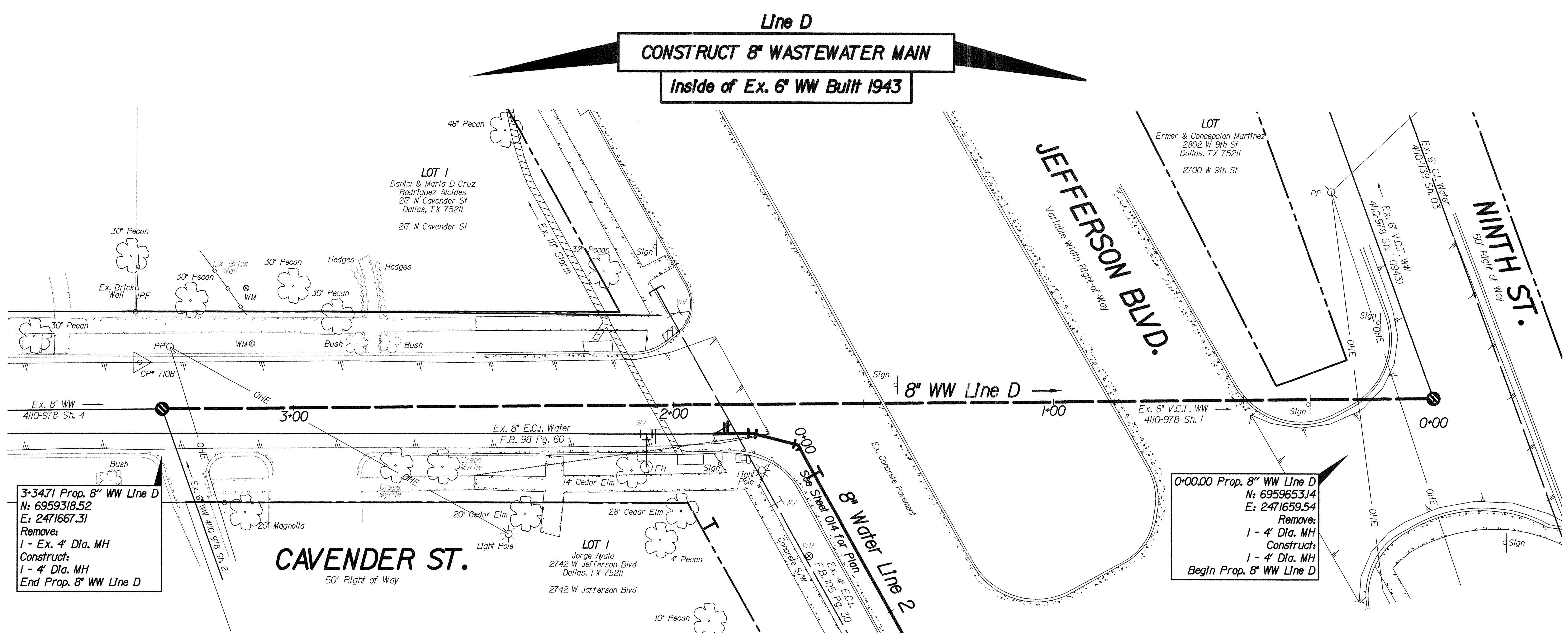
Kimley»Horn

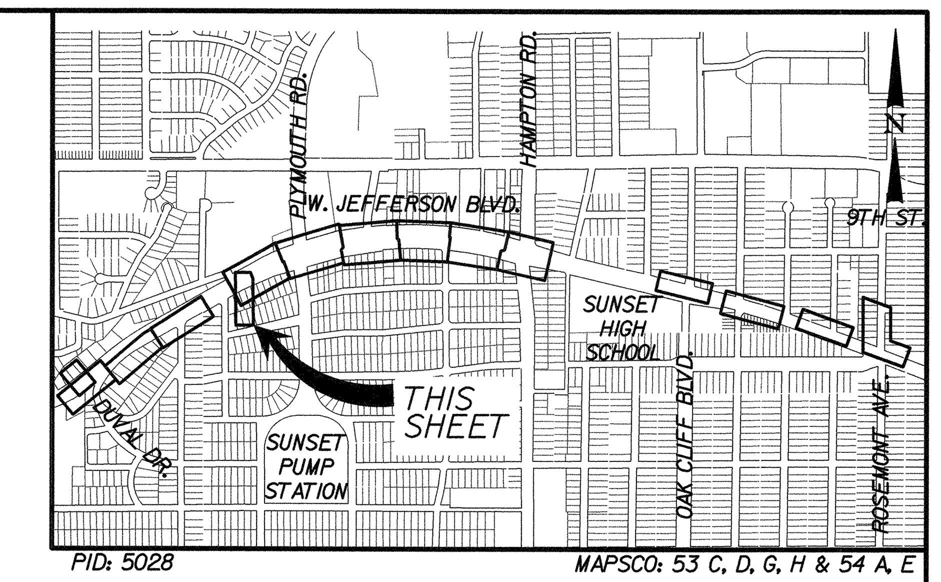
PID: 5028 | CONTRACT NO. 20-173/174

8" WASTEWATER

JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	025





PID: 5028 MAPSCO: 53 C, D, G, H & 54 A, E

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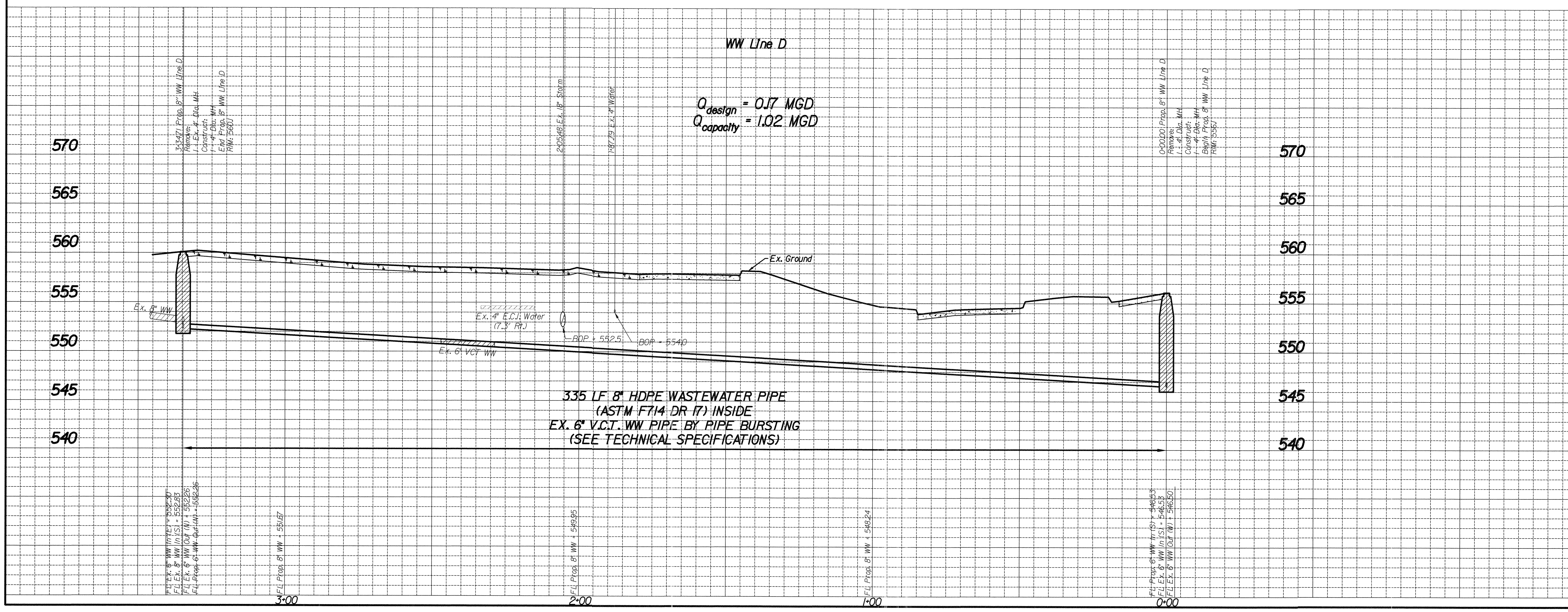


REV NO.	DATE	DESCRIPTION	BY

REVISIONS

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
WDBM in concrete walk southwest of Briscoe Blvd. and Jefferson Blvd.
ELEV = 568.19 MAPSCO 47R

BENCHMARK #2
WDBM on concrete curb storm sewer drop inlet southwest corner of Davis St. & Bernice St.
ELEV = 545.49 MAPSCO 47R

CONTROL POINT #7108
Magnetic Nail Set
N. 6959312.474; E. 2471655.187; ELEV. = 559.357

Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 6'

REFERENCES
WATER: 44W-18, 44W-19, 44W-20
WASTEWATER: BH-14, 44S-18, 44S-19, 44S-20

STATE OF TEXAS — MARTY S. PARIS — 84766 — LICENSED PROFESSIONAL ENGINEER — 5/6/2020

Kimley»Horn

PID: 5028 | CONTRACT NO. 20-173/174

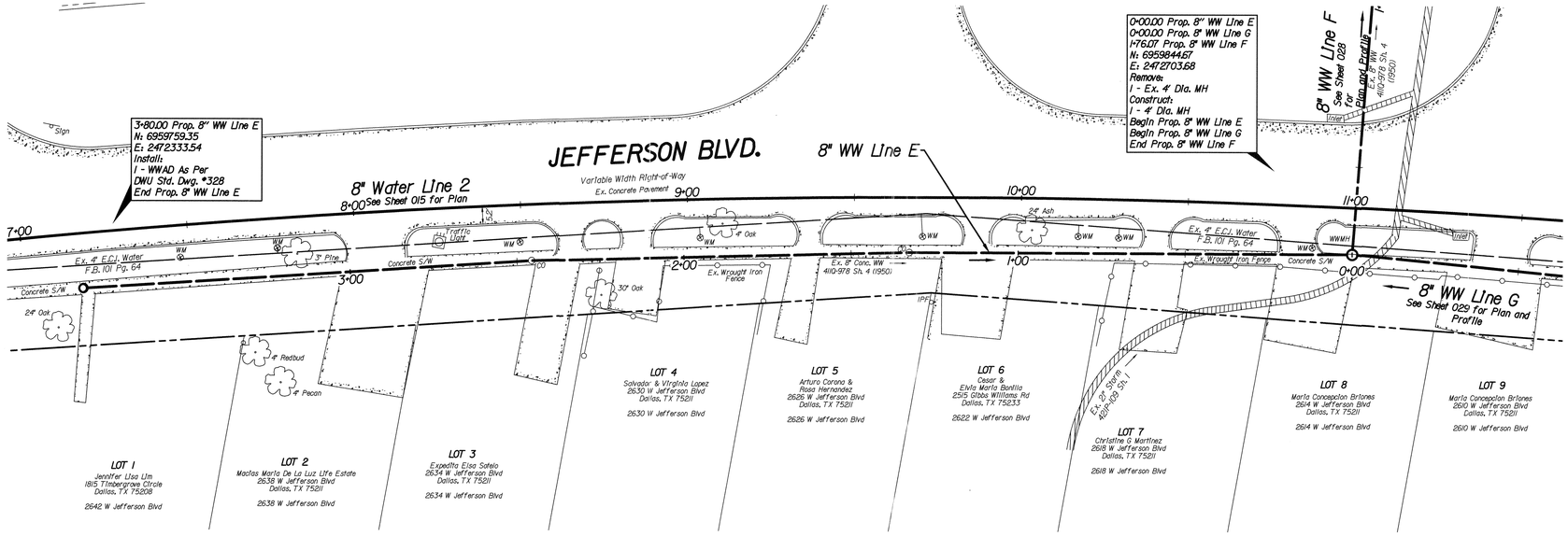
8" WASTEWATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

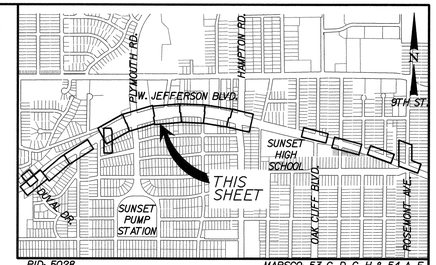
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	026

Line E

REHABILITATE 8" WASTEWATER MAIN

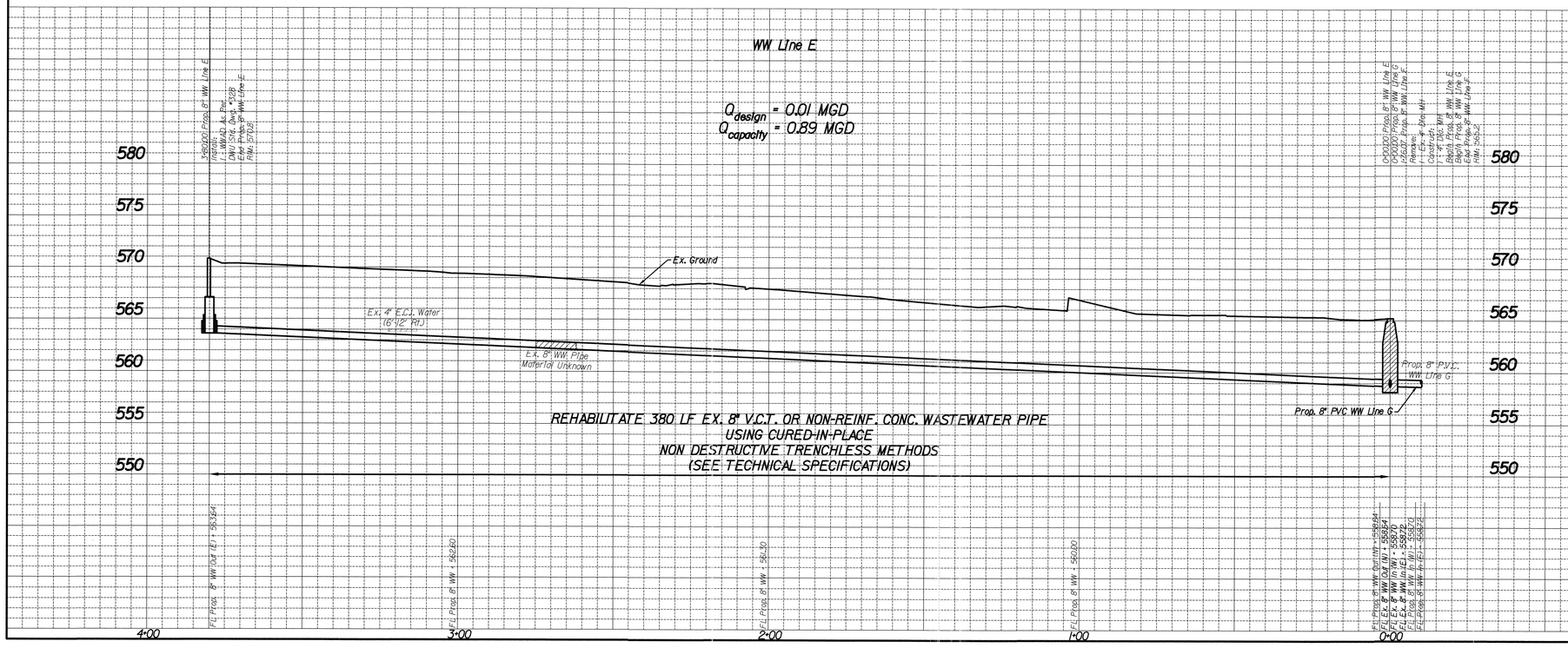
Ex. 8" WW Built 1950





Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by BDS Technologies, Inc. on May 27, 2015. The design relies on the assumptions provided by the survey.
3. Contractor Shall Prepare a Traffic Control Plan, to be Approved by the City Engineer. No Separate Pay Item.
4. Contractor Shall Brace Power Poles as Needed. No Separate Pay Item.
5. See Detail XX for Wastewater Lateral Rehabilitation and Reconnection to Service.



REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
WDBM in concrete walk southwest of Briscoe Blvd. and Jefferson Blvd.
ELEV = 568.19 MAPSCO 47R

BENCHMARK #2
WDBM on concrete curb storm sewer drop inlet southwest corner of Davis St. & Bernice St.
ELEV = 545.49 MAPSCO 47R

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

REFERENCES

WATER
44W-18, 44W-19, 44W-20

WASTEWATER
BH-14, 44S-18, 44S-19, 44S-20

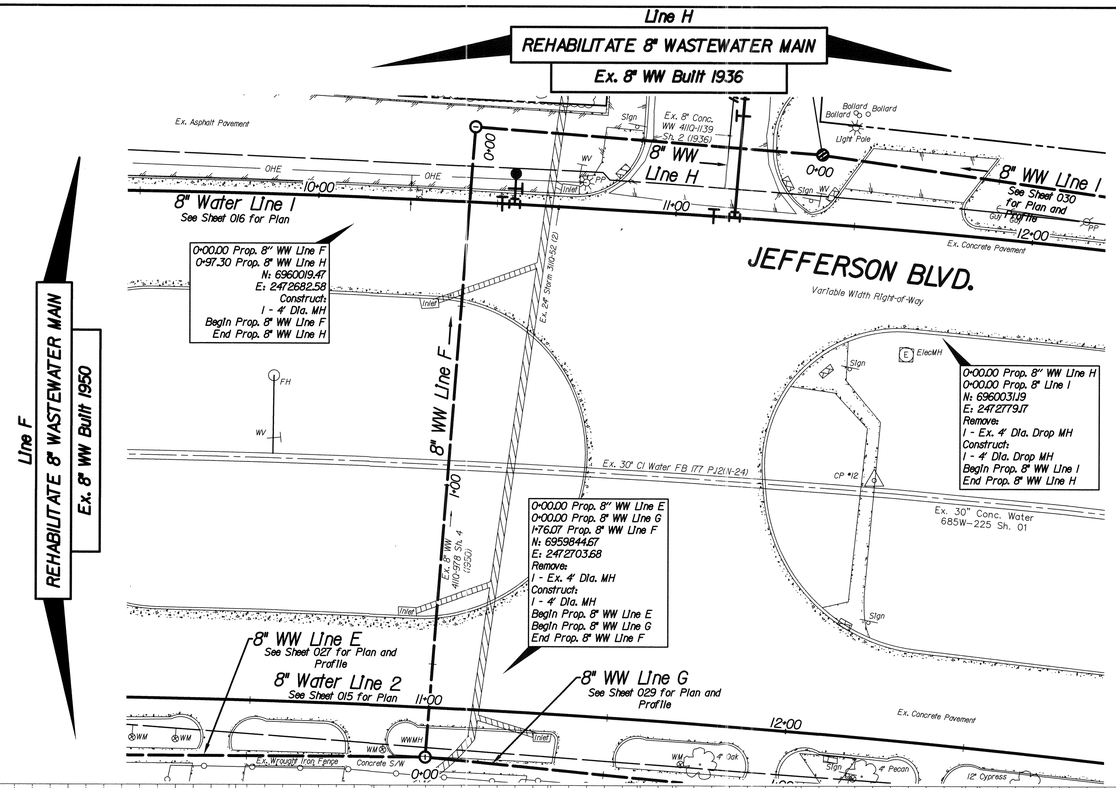
Matt S. Lee
STATE OF TEXAS
84766
LICENSED
PROFESSIONAL ENGINEER
5/6/2020

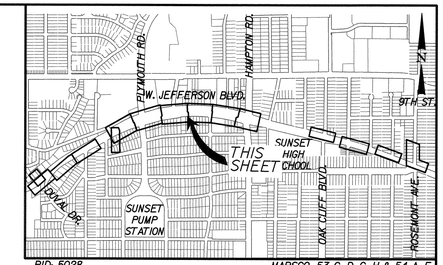
Kimley»Horn

PID: 5028 | CONTRACT NO. 20-173/174

8" WASTEWATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	027





PID: 5028

MAPSCO: 53 C, D, G, H & 54 A, E

Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by BDS Technologies, Inc. on May 27, 2015. The design relies on the assumptions provided by the survey.
3. Contractor Shall Prepare a Traffic Control Plan, to be Approved by the City Engineer. No Separate Pay Item.
4. Contractor Shall Brace Power Poles as Needed. No Separate Pay Item.

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1

WDBM In concrete walk southwest of Briscoe Blvd. and Jefferson Blvd.

ELEV = 568.19 MAPSCO 47R

BENCHMARK #2

WDBM on concrete curb storm sewer drop Inlet southwest corner of Davis St. & Bernice St.

ELEV = 545.49 MAPSCO 47R

CONTROL POINT #12

"X" Cut

N. 6959945.259; E. 2472811.364; ELEV. = 562.013

Horizontal Scale: 1" = 20'

0' 20' 40'

Vertical Scale: 1" = 6'

0' 6' 12'

REFERENCES

WATER
44W-18, 44W-19, 44W-20

WASTEWATER
BH-14, 44S-18, 44S-19, 44S-20

Matt S. Parr

STATE OF TEXAS
MATT S. PARR
84766
LICENSED
PROFESSIONAL ENGINEER
5/6/2020

Kimley»Horn

PID: 5028 | CONTRACT NO. 20-173/174

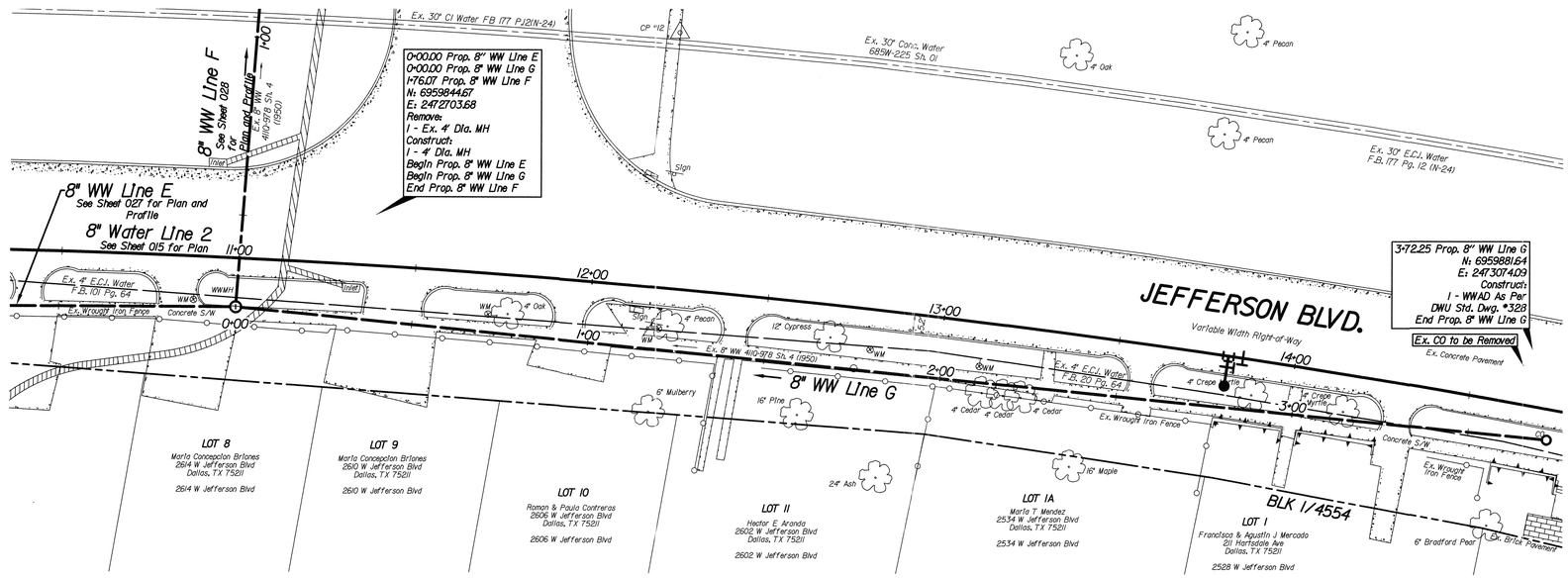
8" WASTEWATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

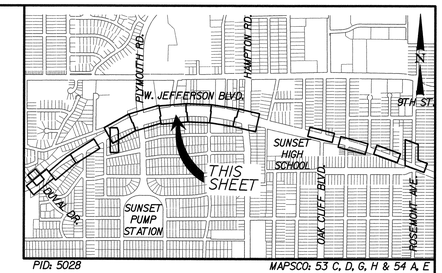
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	028

Line G

REHABILITATE 8" WASTEWATER MAIN

Ex. 8" WW Built 1950





PID: 5028 MAPSCO: 53 C, D, G, H & 54 A, E

Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by BDS Technologies, Inc. on May 27, 2015. The design relies on the assumptions provided by the survey.
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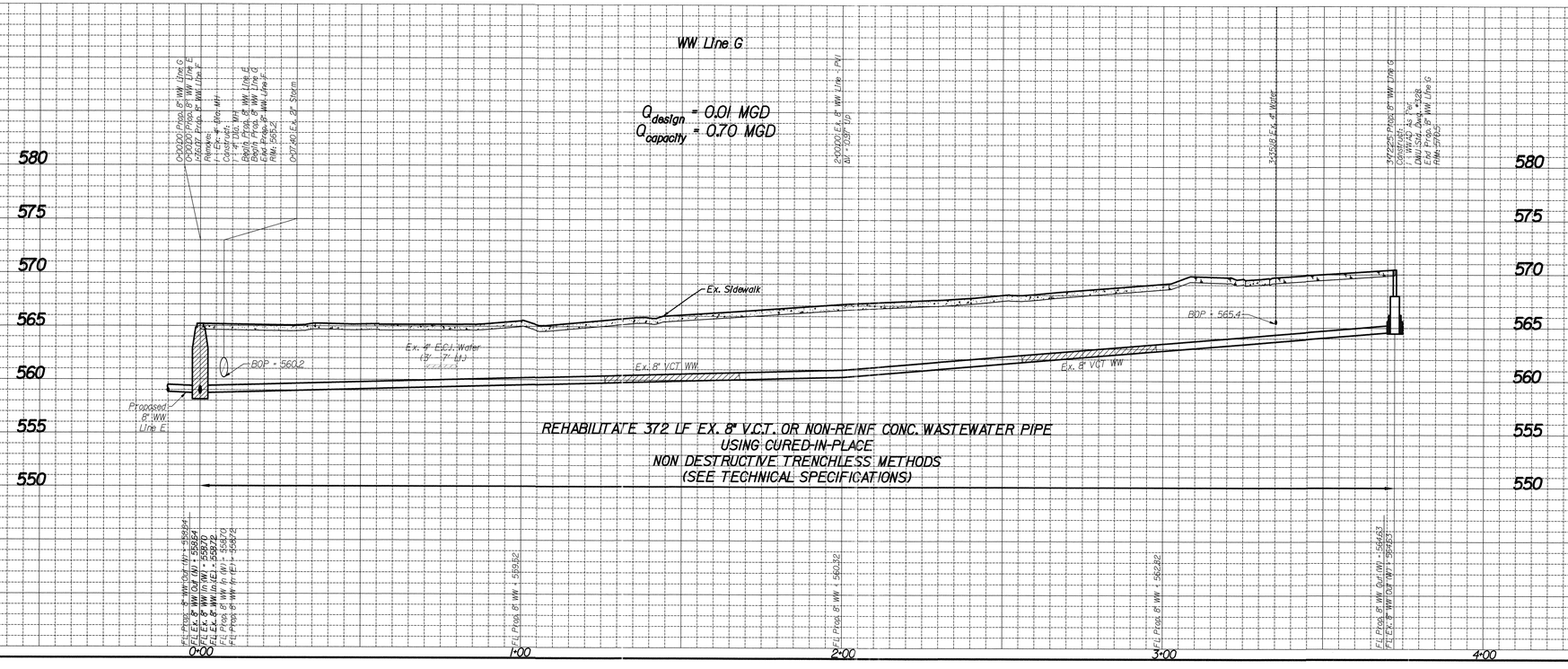
4. Contractor Shall Brace Power Poles as Needed. No Separate Pay Item.

WW Line G

Q_{design} = 0.01 MGD
$Q_{capacity}$ = 0.70 MGD



REVISIONS

REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
WDBM in concrete walk southwest of Briscoe Blvd. and Jefferson Blvd.
ELEV = 568.19 MAPSCO 47R

BENCHMARK #2
WDBM on concrete curb storm sewer drop inlet southwest corner of Davis St. & Bernice St.
ELEV = 545.49 MAPSCO 47R

CONTROL POINT #12
"X" Cut
N. 6959945.259; E. 2472811.364; ELEV. = 562.013

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

REFERENCES

WATER
44W-18, 44W-19, 44W-20

WASTEWATER
BH-14, 44S-18, 44S-19, 44S-20

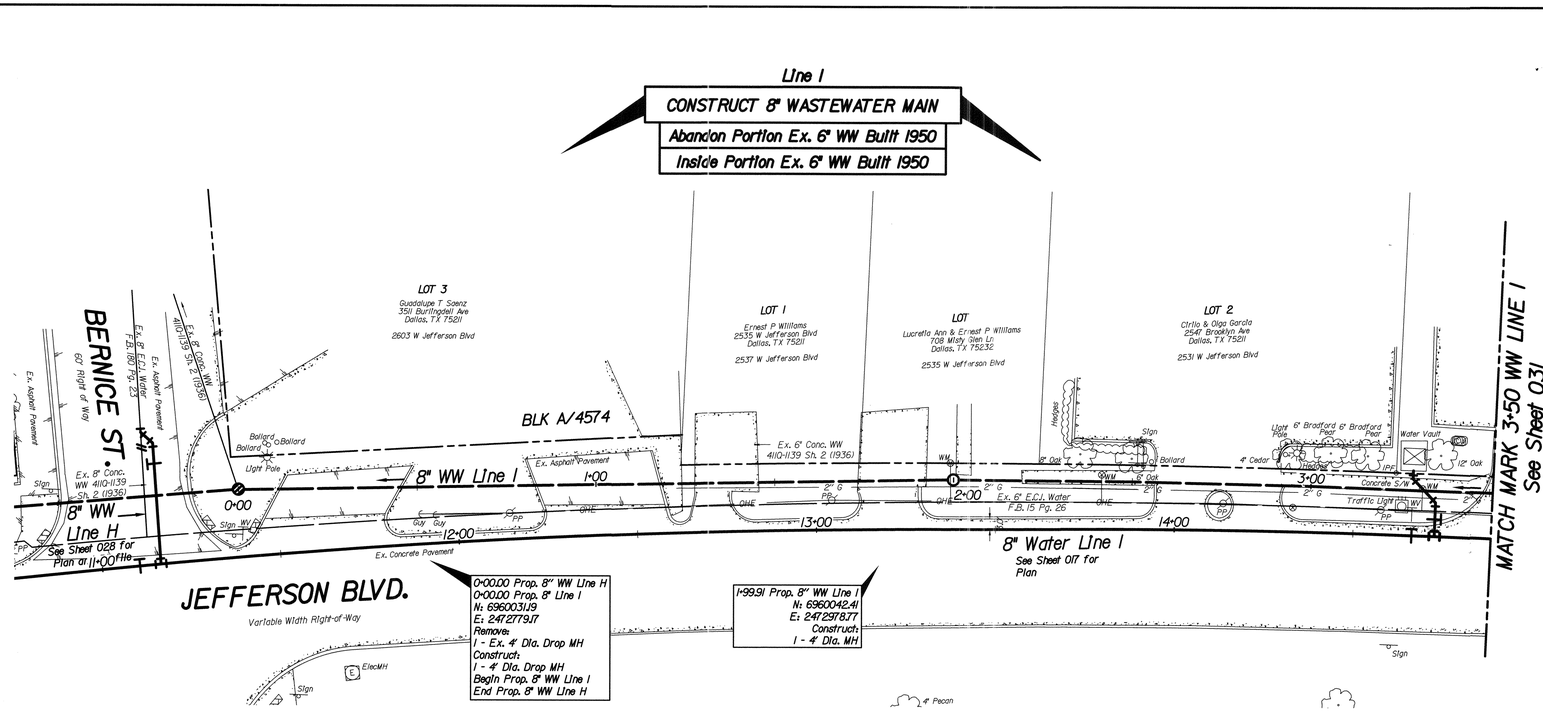
Marty S. Pare
84756
STATE OF TEXAS
LICENSED PROFESSIONAL ENGINEER
5/6/2020

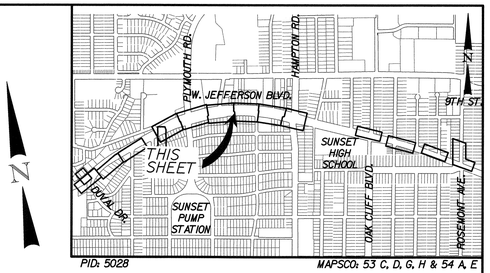
Kimley»Horn

PID: 5028 | CONTRACT NO. 20-173/174

8" WASTEWATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	029





PID: 5028 MAPSCO: 53 C, D, G, H & 54 A, E

Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by BDS Technologies, Inc. on May 27, 2015. The design relies on the assumptions provided by the survey.
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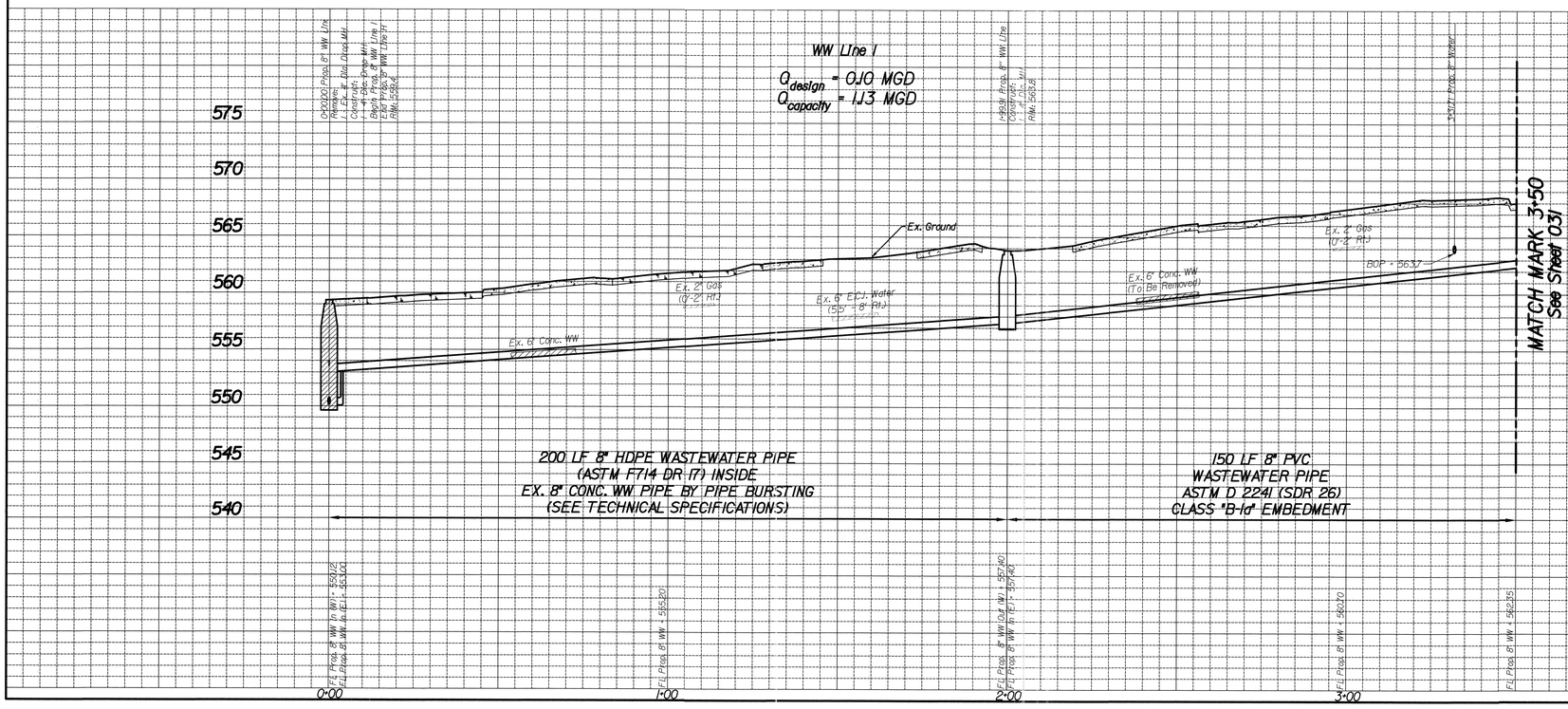
4. Contractor Shall Brace Power Poles as Needed. No Separate Pay Item.



REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
WDBM in concrete walk southwest of Briscoe Blvd. and Jefferson Blvd.
ELEV = 568.19 MAPSCO 47R

BENCHMARK #2
WDBM on concrete curb storm sewer drop inlet southwest corner of Davis St. & Bernice St.
ELEV = 545.49 MAPSCO 47R

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

REFERENCES
WATER
44W-18, 44W-19, 44W-20
WASTEWATER
BH-14, 44S-18, 44S-19, 44S-20

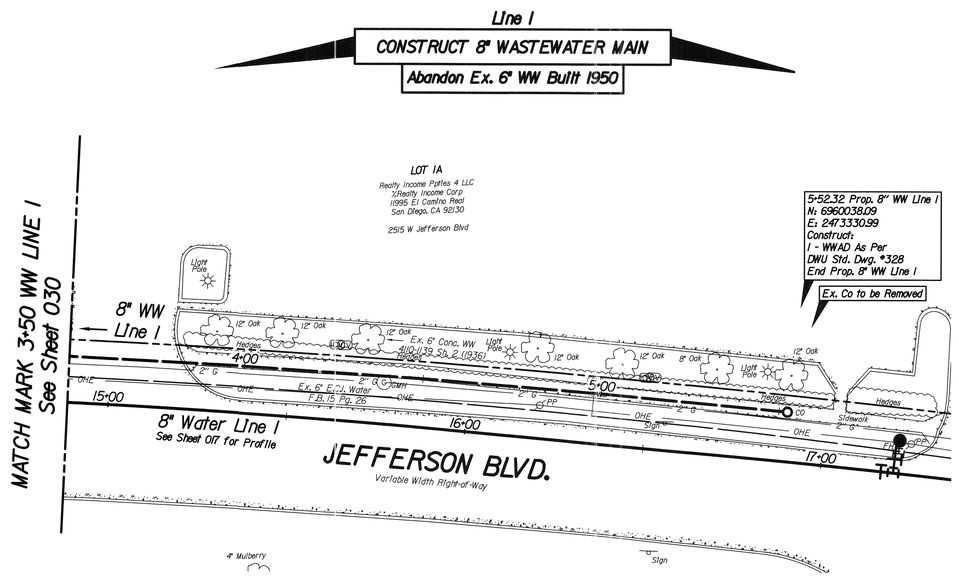
Matt S. Parr
STATE OF TEXAS
MATT S. PARR
84766
LICENSED
PROFESSIONAL ENGINEER
5/6/2020

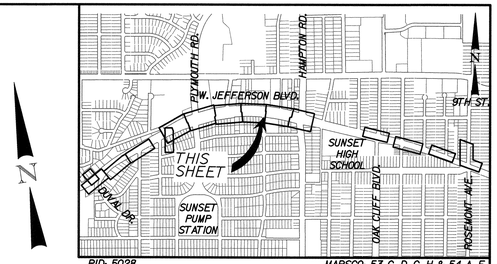
Kimley»Horn

PID: 5028 | CONTRACT NO. 20-173/174

8" WASTEWATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	030





PID: 5028

MAPSCO: 53 C, D, G, H & 54 A, E

Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by BDS Technologies, Inc. on May 27, 2015. The design relies on the assumptions provided by the survey.
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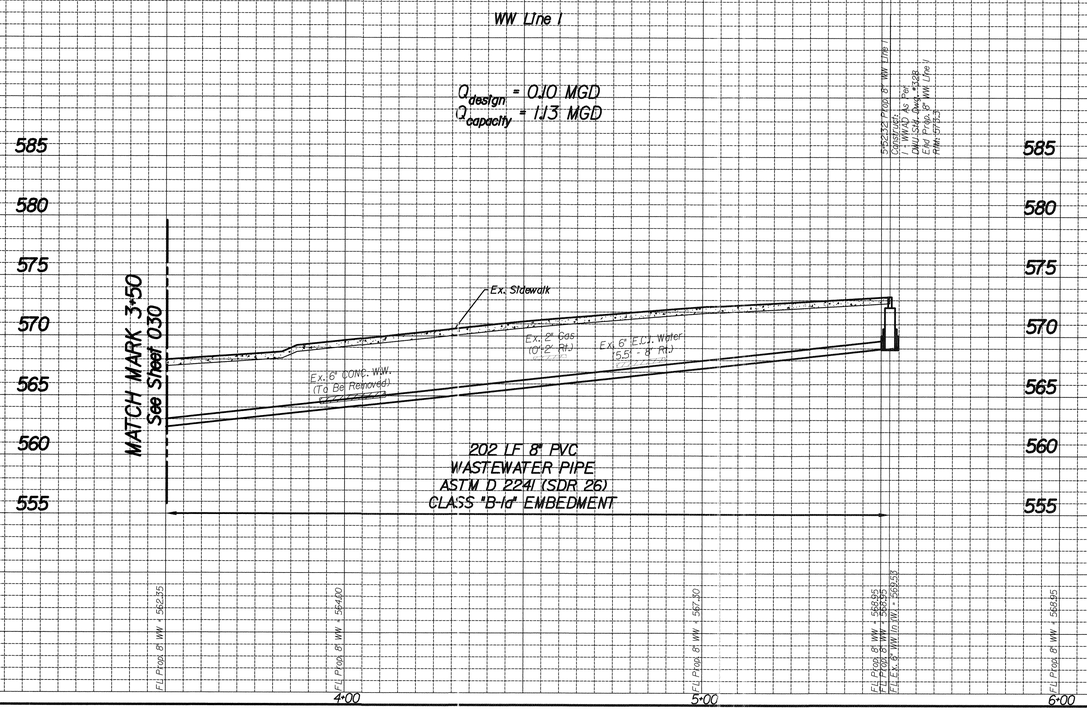


REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1

WDBM in concrete walk southwest of Briscoe Blvd. and Jefferson Blvd.

ELEV = 568.19 MAPSCO 47R

BENCHMARK #2

WDBM on concrete curb storm sewer drop inlet southwest corner of Davis St. & Bernice St.

ELEV = 545.49 MAPSCO 47R

Horizontal Scale: 1" = 20'

0' 20' 40'

Vertical Scale: 1" = 6'

0' 6' 12'

REFERENCES

WATER
44W-18, 44W-19, 44W-20

WASTEWATER
BH-14, 44S-18, 44S-19, 44S-20

Matt J. Lee
STATE OF TEXAS
MATTHEW JOSEPH LEE
84766
LICENSED
PROFESSIONAL ENGINEER
5/6/2020

Kimley»Horn

PID: 5028 | CONTRACT NO. 20-173/174

8" WASTEWATER

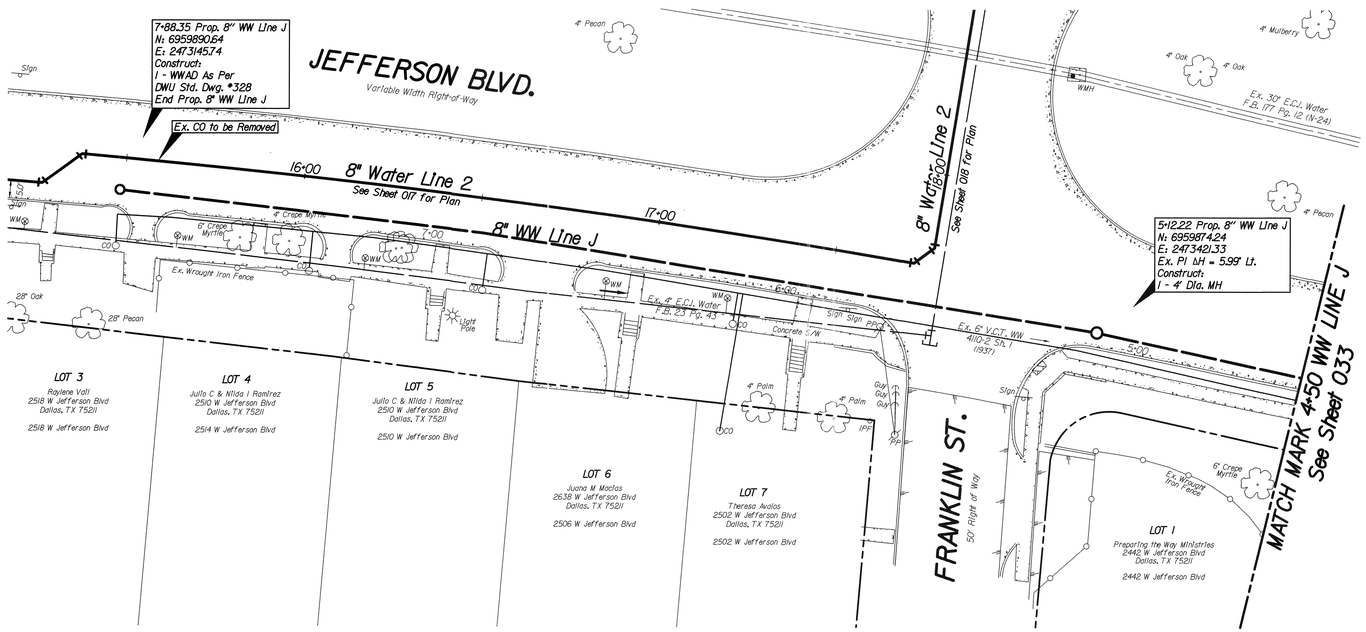
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

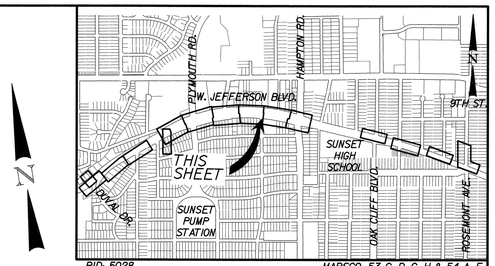
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	031

Line J

CONSTRUCT 8" WASTEWATER MAIN

Abandon Ex. 6" WW Built 1937





PID: 5028

MAPSCO: 53 C, D, G, H & 54 A, E

Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by BDS Technologies, Inc. on May 27, 2015. The design relies on the assumptions provided by the survey.
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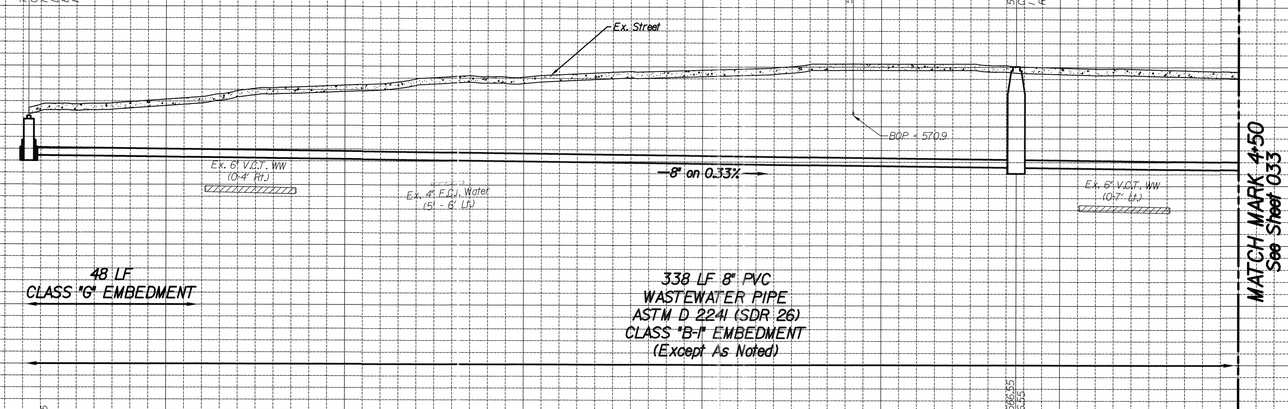
4. Contractor Shall Brace Power Poles as Needed. No Separate Pay Item.

WW Line J

Q_{design} = 0.02 MGD

$Q_{capacity}$ = 0.45 MGD



48 LF
CLASS "G" EMBEDMENT

338 LF 8" PVC
WASTEWATER PIPE
ASTM D 2241 (SDR 26)
CLASS "B-I" EMBEDMENT
(Except As Noted)

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1

WDBM In concrete walk southwest of Briscoe Blvd. and Jefferson Blvd.

ELEV = 568.19 MAPSCO 47R

BENCHMARK #2

WDBM on concrete curb storm sewer drop Inlet southwest corner of Davis St. & Bernice St.

ELEV = 545.49 MAPSCO 47R

Horizontal Scale: 1" = 20'

0' 20' 40'

Vertical Scale: 1" = 6'

0' 6' 12'

REFERENCES

WATER
44W-18, 44W-19, 44W-20

WASTEWATER
BH-14, 44S-18, 44S-19, 44S-20

Marty S. Pardi

STATE OF TEXAS
MARTY S. PARDI
84766
LICENSED
PROFESSIONAL ENGINEER

5/6/2020

Kimley»Horn

PID: 5028 | CONTRACT NO. 20-173/174

8" WASTEWATER

JEFFERSON BOULEVARD

DUVAL DRIVE TO ROSEMONT STREET

DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	4110	1342	032

Line J
CONSTRUCT 8" WASTEWATER MAIN
Abandon Ex. 6" WW Built 1937

Line J
CONSTRUCT 8" WASTEWATER MAIN
Inside Ex. 6" WW Built 1937

MATCH MARK 4+50 WW LINE J
See Sheet 032

JEFFERSON BLVD.
Variable Width Right-of-Way

HAMPTON RD.
Variable Width Right-of-Way

Ex. 30" Conc. Water
66"W-225 Sh. 02

2+85.67 Prop. 8" WW Line J
N: 6959844.67
E: 2473645.94
Construct:
1 - 4' Dia. MH

0+00.00 Prop. 8" WW Line J
1+58.49 Prop. 8" WW Line L
N: 6959783.75
E: 2473925.04
Remove:
1 - Ex. 4' Dia. Drop MH
Construct:
1 - 4' Dia. Drop MH
Begin Prop. 8" WW Line J
End Prop. 12" WW Line L

8" WW Line J

15" WW Line L
See Sheet 034 for Plan and Profile

Remove & Replace Brick Pavers

Ex. 8" V.C.T. WW
4110-2 Sh. 1
(1937)

Ex. 12" V.C.T. WW
4110-2 Sh. 7
(1937)

Ex. 18" Storm

Ex. Concrete Pavement

Ex. Asphalt Pavement

Concrete S/W

Sign

Traffic Light

Ped Signal

Light Pole

Landscape Light

Ex. Chainlink Fence

OHE

PP

Inlet

CO

4" Oak
4" Mulberry
14" Cedar
6" Crape Myrtle
12" Hackberry
16" Hackberry
14" Hackberry
6" Hackberry
12" Chinaberry
4" Hackberry
12" Oak
18" Oak

LOT 1
Preparing the Way Ministries
2442 W Jefferson Blvd
Dallas, TX 75211
2442 W Jefferson Blvd

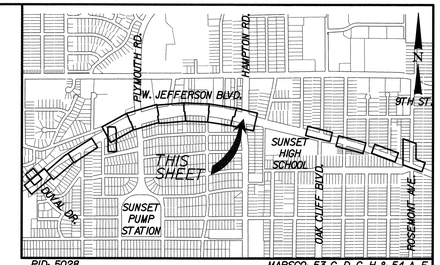
LOT 2
Donald M Dorward
713 S Gllpln Ave
Dallas, TX 75211
2424 W Jefferson Blvd

LOT 3
Donald M Dorward
713 S Gllpln Ave
Dallas, TX 75211
2420 W Jefferson Blvd

LOT 4
Donald M Dorward
713 S Gllpln Ave
Dallas, TX 75211
2416 W Jefferson Blvd

LOT 5
Donald M Dorward
713 S Gllpln Ave
Dallas, TX 75211
2414 W Jefferson Blvd

LOT 6A
Mannawood Ltd
2409 Alco Ave
Dallas, TX 75211
2409 Alco Ave



PID: 5028
MAPSCO: 53 C, D, G, H & 54 A, E

Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by BDS Technologies, Inc. on May 27, 2015. The design relies on the assumptions provided by the survey.
3. Contractor Shall Prepare a Traffic Control Plan, to be Approved by the City Engineer. No Separate Pay Item.
4. Contractor Shall Brace Power Poles as Needed. No Separate Pay Item.

WW Line J

Q_{design} = 0.01 MGD
$Q_{capacity}$ = 0.45 MGD

Q_{design} = 0.02 MGD
$Q_{capacity}$ = 0.85 MGD

MATCH MARK 3+50
See Sheet 032

Ex. 6" V.C.T. WW
(10-10 '01)

8" on 0.33%

8" on 4.09%

Ex. Street

449 LF 8" PVC
WASTEWATER PIPE
ASTM D 2241 (SDR 26)
CLASS "B-I" EMBEDMENT

575
570
565
560
555
550
545

4+00
3+00
2+00
1+00
0+00

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
WDBM In concrete walk southwest of Briscoe Blvd. and Jefferson Blvd.
ELEV = 568.19 MAPSCO 47R

BENCHMARK #2
WDBM on concrete curb storm sewer drop inlet southwest corner of Davis St. & Bernice St.
ELEV = 545.49 MAPSCO 47R

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

REFERENCES
WATER
44W-18, 44W-19, 44W-20
WASTEWATER
BH-14, 445-18, 445-19, 445-20

Matt J. Parr
STATE OF TEXAS
MATT J. PARR
84766
LICENSED PROFESSIONAL ENGINEER
5/6/2020

Kimley»Horn

PID: 5028 | CONTRACT NO. 20-173/174

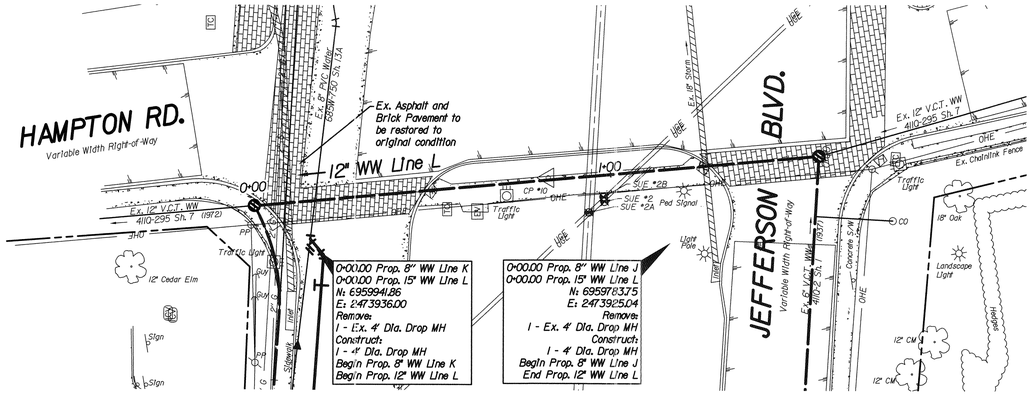
8" WASTEWATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

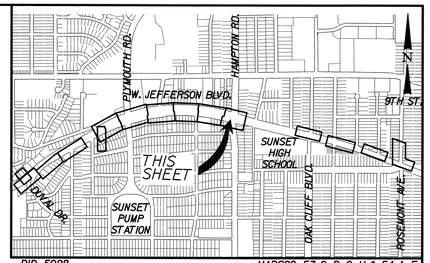
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	033

Line L

CONSTRUCT 12" WASTEWATER MAIN

Inside Ex. 12" WW Built 1972





PID: 5028 MAPSCO: 53 C, D, G, H & 54 A, E

SUBSURFACE UTILITY ENGINEERING (SUE)						
HOLE #	E.X. UTILITY	GROUND ELEVATION AT SUE HOLE	DEPTH TO TOP OF UTILITY (LF)	TOP OF UTILITY ELEVATION	NORTHING	EASTING
2	Clay Electric Line (Size Unknown)	559.79	8.83	550.96	6959844.96	2473921.97
2A	30" Clay Water Line	559.86	5.22	554.64	6959849.71	2473919.61
2B	6" Clay Electrical Line	559.62	8.93	550.69	6959845.00	2473923.33

Notes:

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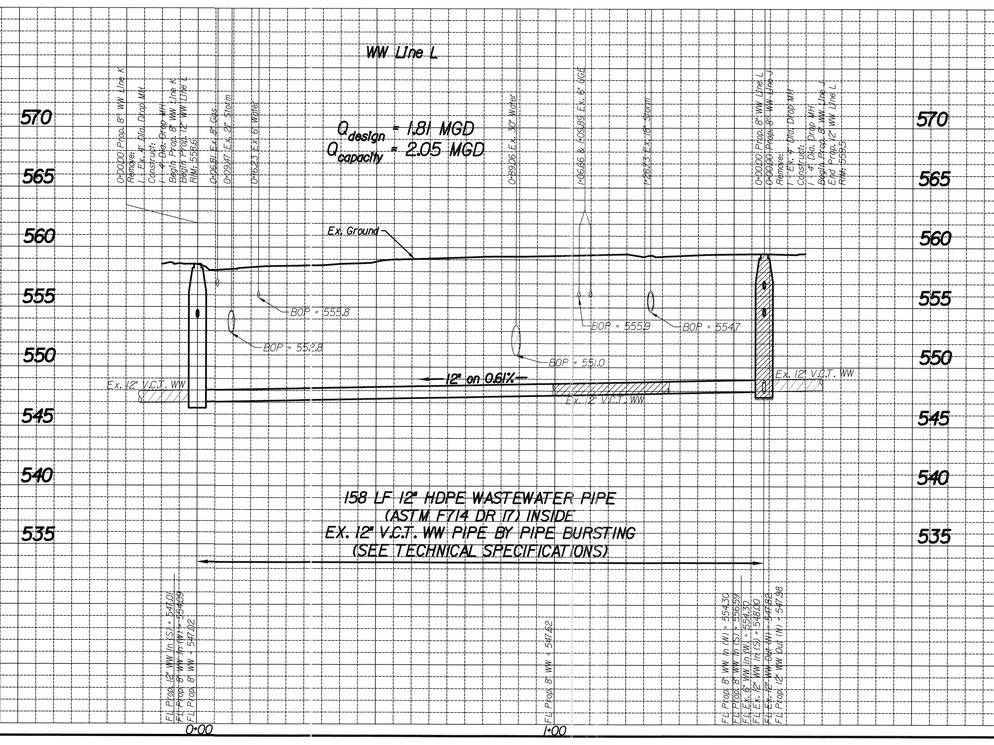


REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
WDBM in concrete walk southwest of Briscoe Blvd. and Jefferson Blvd.
ELEV = 568.19 MAPSCO 47R

BENCHMARK #2
WDBM on concrete curb storm sewer drop inlet southwest corner of Davis St. & Bernice St.
ELEV = 545.49 MAPSCO 47R

CONTROL POINT #11
"X" Cut
N. 6959952.045; E. 2473592.141; ELEV. = 572.941

CONTROL POINT #10
"X" Cut
N. 6959859.476; E. 2473930.934; ELEV. = 559.241

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

REFERENCES	
WATER	44N-18, 44N-19, 44W-20
WASTEWATER	BH-14, 44S-18, 44S-19, 44S-20

Marty S. Paris
STATE OF TEXAS
MARTY S. PARIS
84766
LICENSED
PROFESSIONAL ENGINEER
5/6/2020

Kimley»Horn

PID: 5028 | CONTRACT NO. 20-173/174

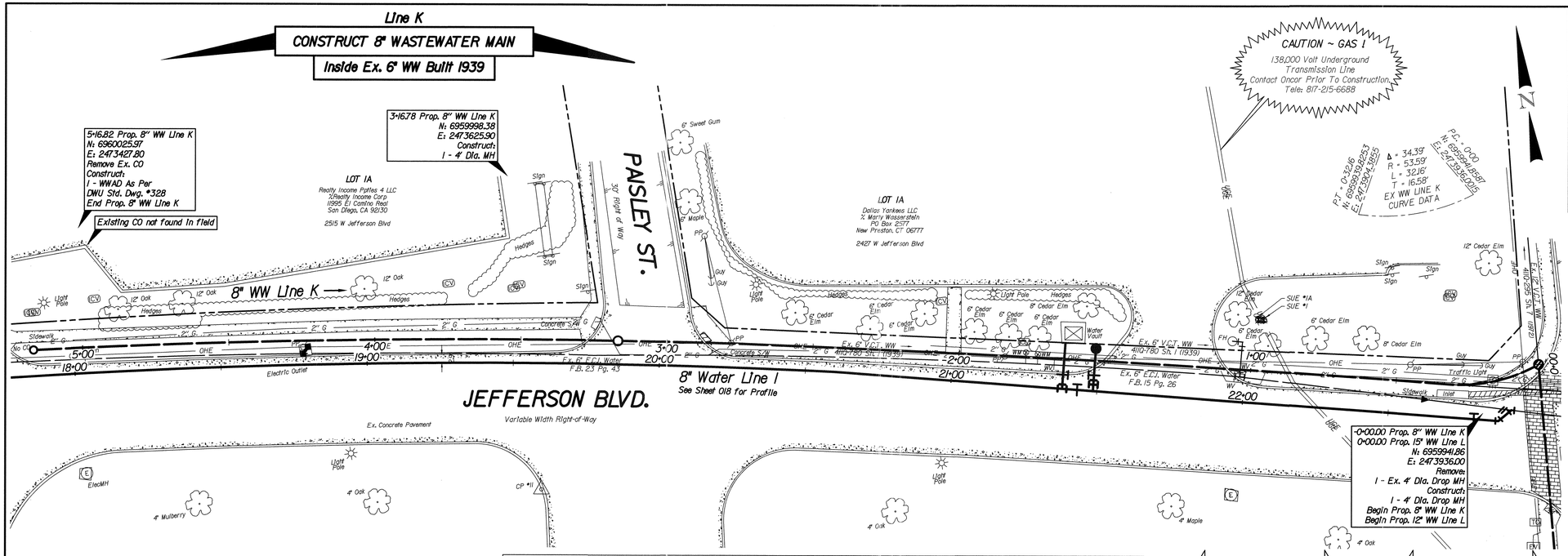
15" WASTEWATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

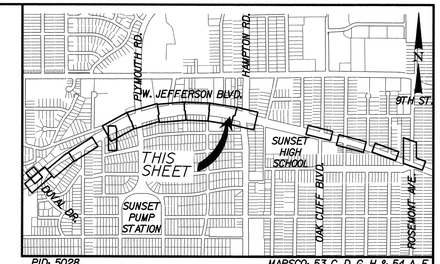
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	034

Line K

CONSTRUCT 8" WASTEWATER MAIN

Inside Ex. 6" WW Built 1939



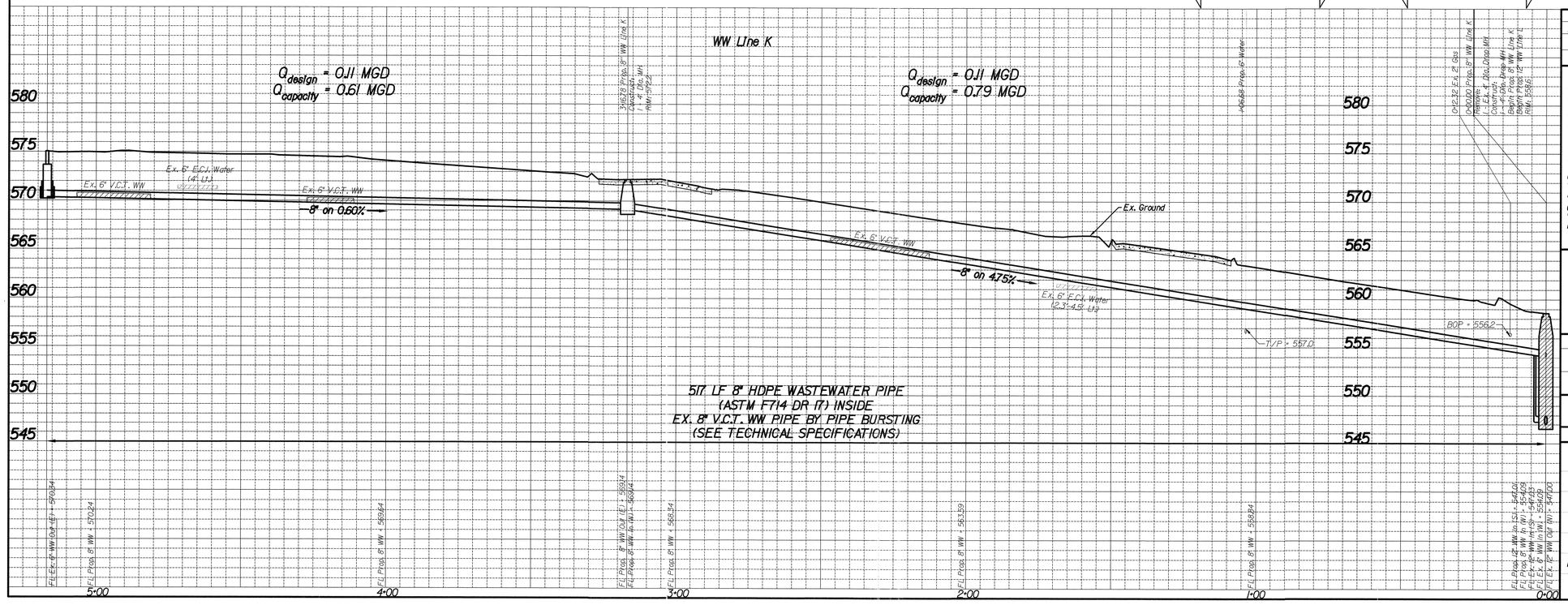


PID: 5028 MAPSCO: 53 C, D, G, H & 54 A, E

SUBSURFACE UTILITY ENGINEERING (SUE)						
HOLE #	EX. UTILITY	GROUND ELEVATION AT SUE HOLE	DEPTH TO TOP OF UTILITY (LF)	TOP OF UTILITY ELEVATION	NORTHING	EASTING
1	6" Steel Electric Line	565.38	9.01	556.37	6959971.42	2473845.32
1A	6" Steel Electric Line	565.51	9.25	556.26	6959971.79	2473843.62

Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by BDS Technologies, Inc. on May 27, 2015. The design relies on the assumptions provided by the survey.
3. Contractor Shall Prepare a Traffic Control Plan, to be Approved by the City Engineer. No Separate Pay Item.
4. Contractor Shall Brace Power Poles as Needed. No Separate Pay Item.



REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
WDBM In concrete walk southwest of Briscoe Blvd. and Jefferson Blvd.
ELEV = 568.19 MAPSCO 47R

BENCHMARK #2
WDBM on concrete curb storm sewer drop inlet southwest corner of Davis St. & Bernice St.
ELEV = 545.49 MAPSCO 47R

CONTROL POINT #11
"X" Cut
N. 6959952.045; E. 2473592.141; ELEV. = 572.941

CONTROL POINT #10
"X" Cut
N. 6959859.476; E. 2473930.934; ELEV. = 559.241

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

REFERENCES
WATER
44W-18, 44W-19, 44W-20
WASTEWATER
BH-14, 44S-18, 44S-19, 44S-20

Marty S. Parr
STATE OF TEXAS
MARTY S. PARR
84766
LICENSED PROFESSIONAL ENGINEER
5/6/2020

Kimley»Horn

PID: 5028 | CONTRACT NO. 20-173/174

8" WASTEWATER

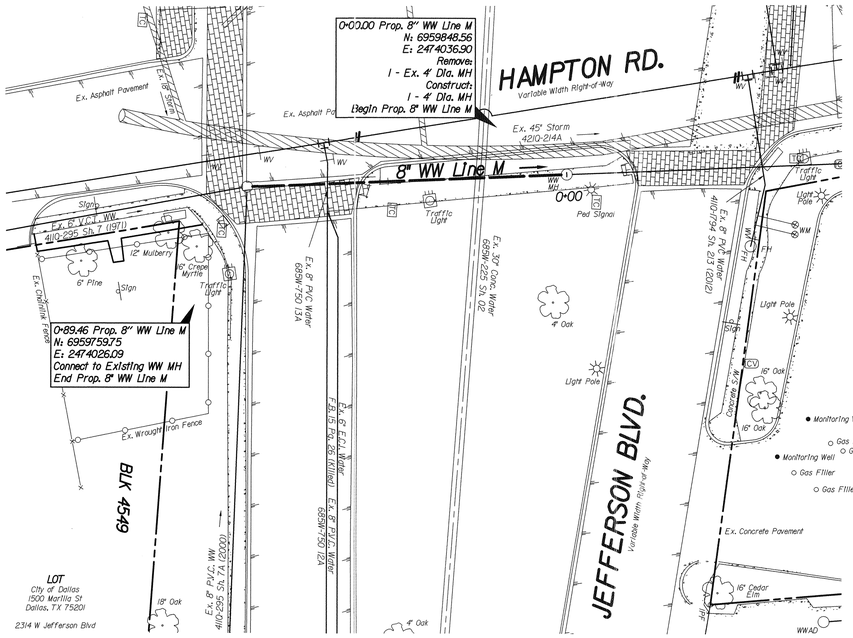
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

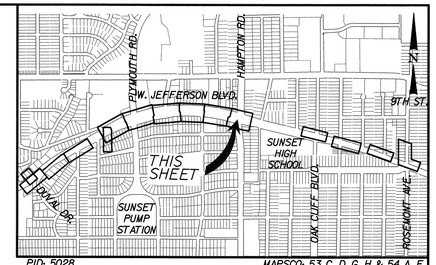
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	035

Line M

REHABILITATE 8" WASTEWATER MAIN

Ex. 8" WW Built 1971



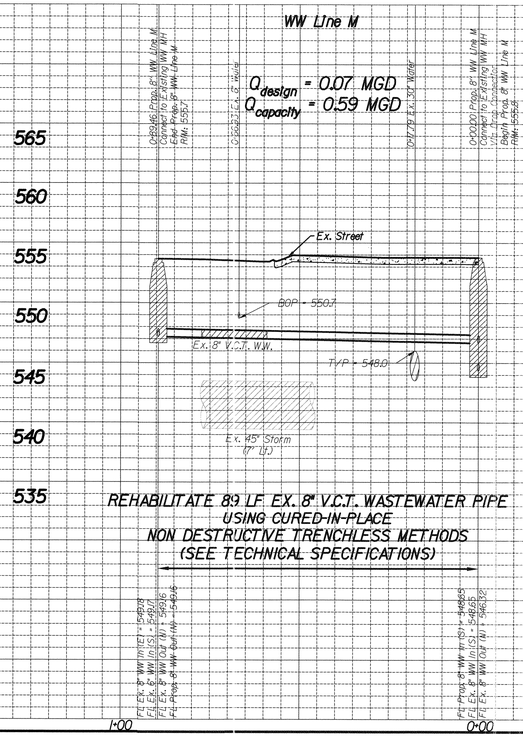


PID: 5028B

MAPSCO: 53 C, D, G, H & 54 A, E

Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by BDS Technologies, Inc. on May 27, 2015. The design relies on the assumptions provided by the survey.
3. Contractor Shall Prepare a Traffic Control Plan, to be Approved by the City Engineer. No Separate Pay Item.
4. Contractor Shall Brace Power Poles as Needed. No Separate Pay Item.



REVISIONS

REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1

WDBM In concrete walk southwest of Briscoe Blvd. and Jefferson Blvd.

ELEV = 568.19 MAPSCO 47R

BENCHMARK #2

WDBM on concrete curb storm sewer drop inlet southwest corner of Davis St. & Bernice St.

ELEV = 545.49 MAPSCO 47R

Horizontal Scale: 1" = 20'

0' 20' 40'

Vertical Scale: 1" = 6'

0' 6' 12'

REFERENCES

WATER
44W-18, 44W-19, 44W-20

WASTEWATER
BH-14, 44S-18, 44S-19, 44S-20

Marty S. Parr

STATE OF TEXAS
MARTY S. PARR
84766
LICENSED
PROFESSIONAL ENGINEER

5/6/2020

Kimley»Horn

PID: 5028 | CONTRACT NO. 20-173/174

8" WASTEWATER

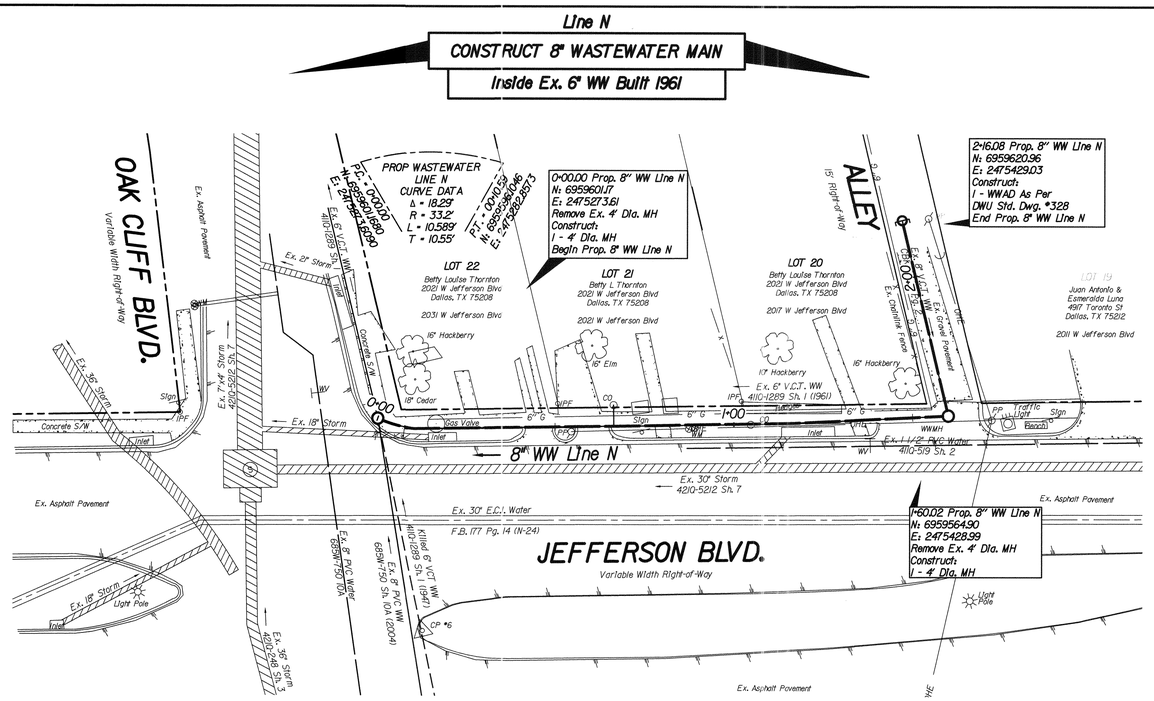
JEFFERSON BOULEVARD

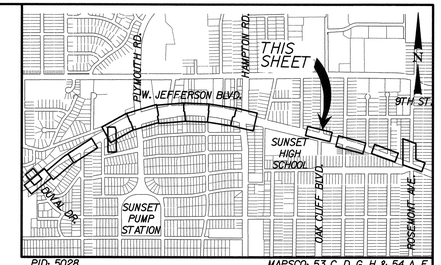
DUVAL DRIVE TO ROSEMONT STREET

DALLAS WATER UTILITIES

CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	4110	1342	036





PID: 5028

MAPSCO: 53 C, D, G, H & 54 A, E

Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by BDS Technologies, Inc. on May 27, 2015. The design relies on the assumptions provided by the survey.
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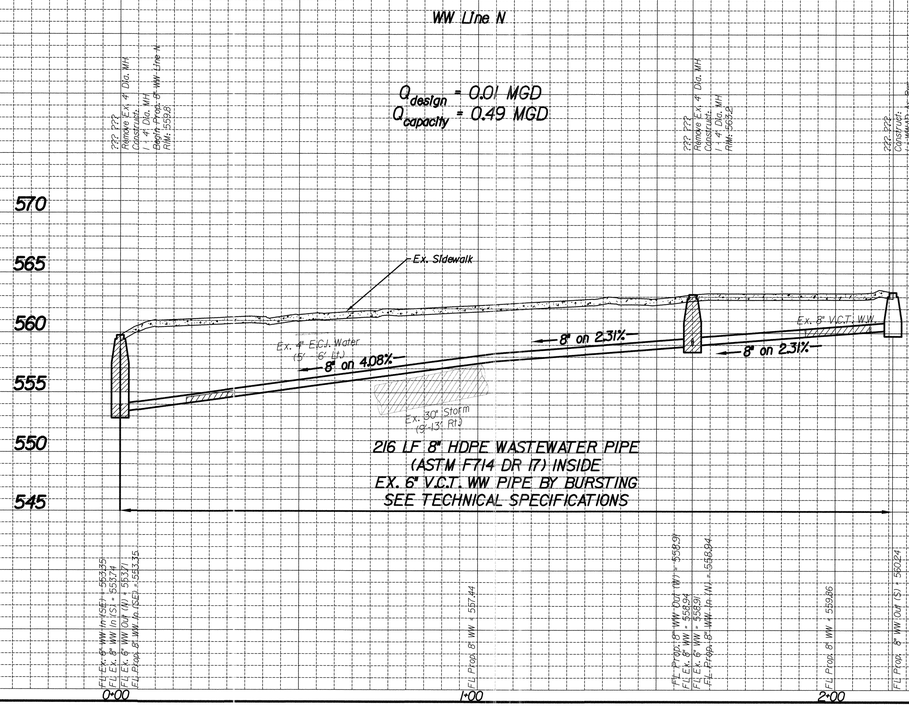


REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
WDBM In concrete walk southwest of Briscoe Blvd. and Jefferson Blvd.
ELEV = 568.19 MAPSCO 47R

BENCHMARK #2
WDBM on concrete curb storm sewer drop inlet southwest corner of Davis St. & Bernice St.
ELEV = 545.49 MAPSCO 47R

CONTROL POINT #6
1/2" Rod
N. 6959540.871; E. 2475272.081; ELEV. = 562.511

CONTROL POINT #5
5/8" Iron Rod Set
N. 6959506.594; E. 2475669.841; ELEV. = 566.677

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

REFERENCES
WATER
44W-18, 44W-19, 44W-20
WASTEWATER
BH-14, 44S-18, 44S-19, 44S-20

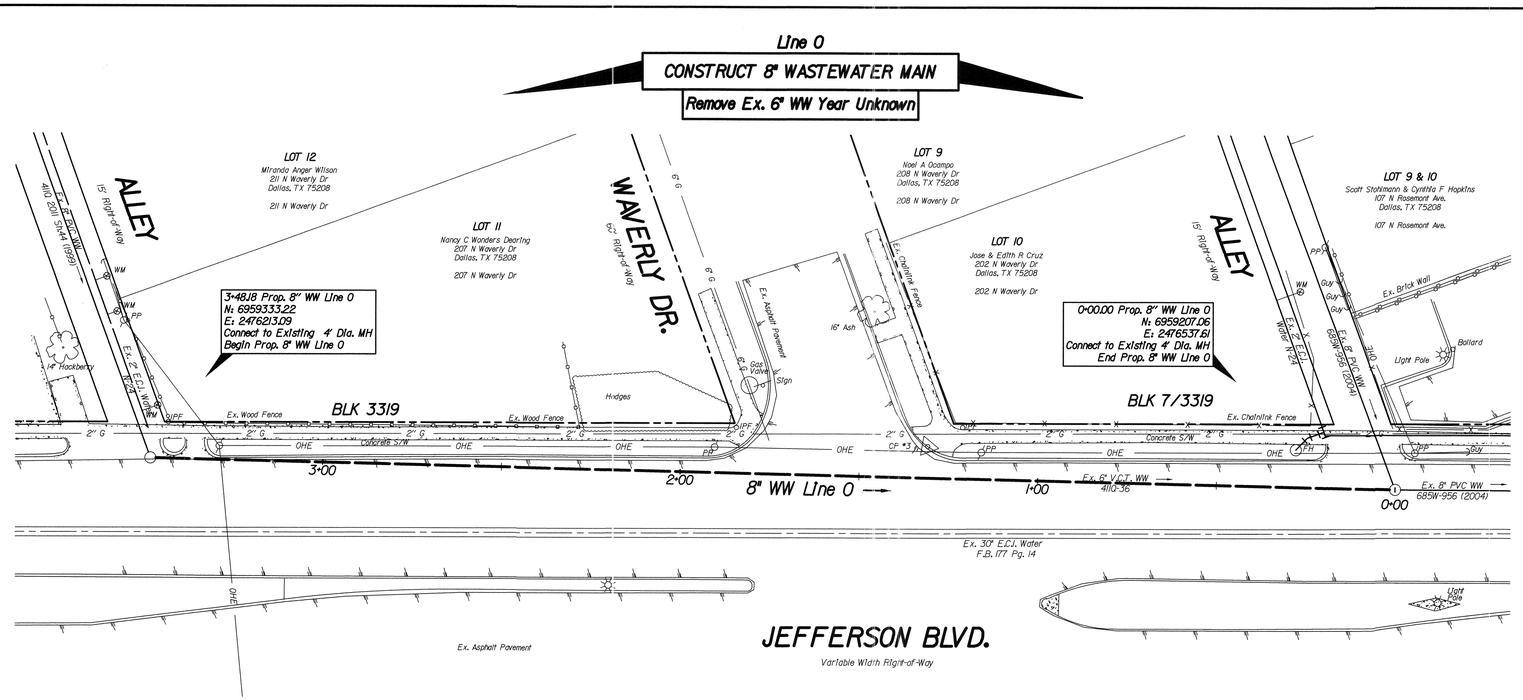
Matt S. Parr
STATE OF TEXAS
MATT S. PARR
84766
LICENSED
PROFESSIONAL ENGINEER
5/6/2020

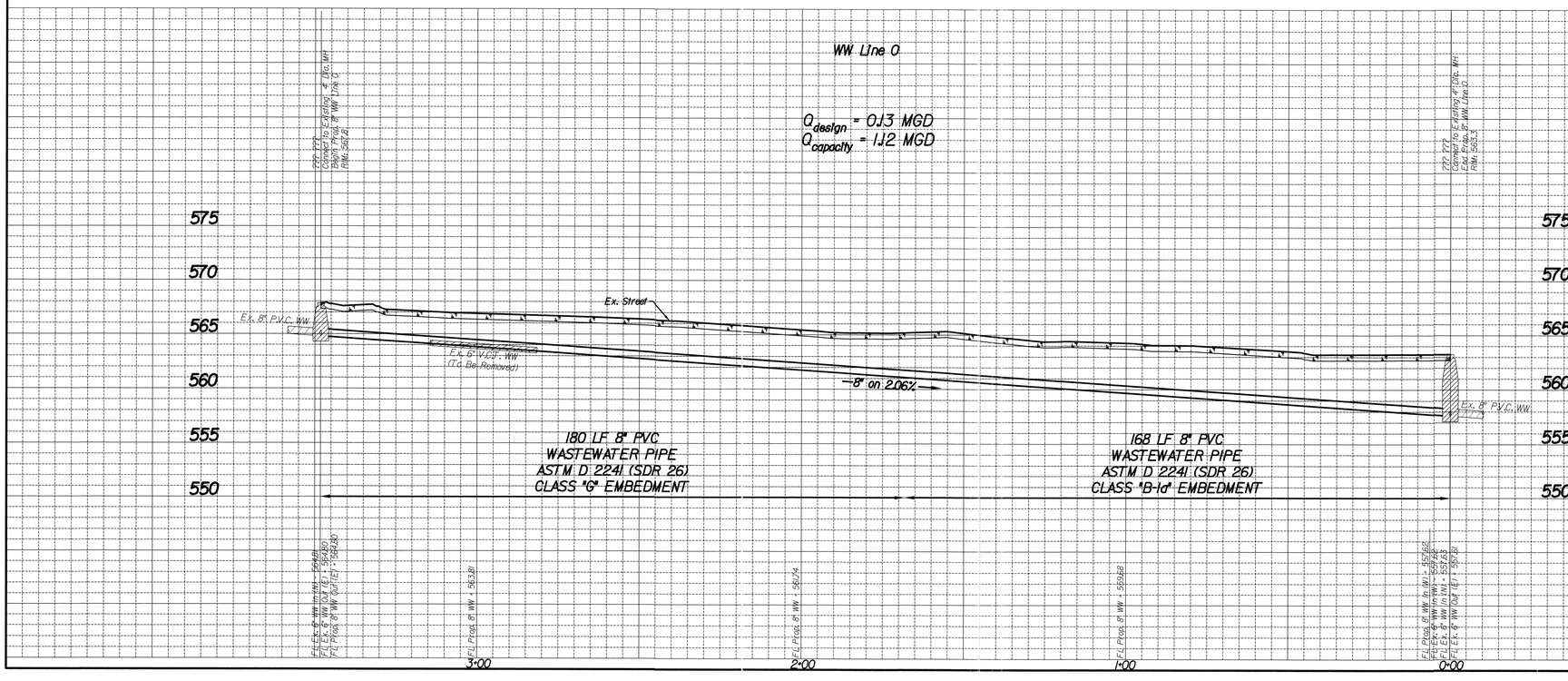
Kimley»Horn

PID: 5028 | CONTRACT NO. 20-173/174

8" WASTEWATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	411Q	1342	037





Notes:

1. See General Notes sheet.
2. The Ground Survey was performed by BDS Technologies, Inc. on May 27, 2015. The design relies on the assumptions provided by the survey.
3. Contractor Shall Prepare a Traffic Control Plan, to be Approved by the City Engineer. No Separate Pay Item.
4. Contractor Shall Brace Power Poles as Needed. No Separate Pay Item.

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK #1
WDBM in concrete walk southwest of Briscoe Blvd. and Jefferson Blvd.
ELEV = 568.19 MAPSCO 47R

BENCHMARK #2
WDBM on concrete curb storm sewer drop inlet southwest corner of Davis St. & Bernice St.
ELEV = 545.49 MAPSCO 47R

CONTROL POINT #3
"X" Cut
N. 6959262.752; E. 2476418.735; ELEV. = 564.758

CONTROL POINT #2
"X" Cut
N. 6959021.207; E. 2476801.702; ELEV. = 559.775

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

REFERENCES

WATER
44W-18, 44W-19, 44W-20

WASTEWATER
BH-14, 44S-18, 44S-19, 44S-20

Matt S. Cox
STATE OF TEXAS
MATTY SHANE COX
84766
LICENSED
PROFESSIONAL ENGINEER
5/6/2020

Kimley»Horn

PID: 5028 | CONTRACT NO. 20-173/174

8" WASTEWATER
JEFFERSON BOULEVARD
DUVAL DRIVE TO ROSEMONT STREET
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
MSP	DAZ	MAY 2020	4110	1342	038

UNDERGROUND UTILITIES

THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND BASED ON DATA FURNISHED BY UTILITY COMPANIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND VERIFY ON-SITE THE UTILITIES THAT MAY CONFLICT WITH THE CONSTRUCTION.
CALL 1-800-344-8377 TWO WORKING DAYS PRIOR TO CONSTRUCTION FOR ON-SITE LOCATIONS.

CONSTRUCT 8" WASTEWATER MAIN
Remove/Abandon Exist.6" W.W. Built 1941

ARBOR VITAE AVENUE

Kings Gardens Subdivision of Gannon Estates Addition (Vol.7, Pg.1872) Block A/3767

Lot 17 — 1408 Arbor Vitae Avenue, Ma Luz Rodriguez (Inst.No.20080254766)
Lot 16 — 1402 Arbor Vitae Avenue, David Cano,Jr. and Jessica Bravo Cano (Inst.No.20080338629)
Lot 15 — 1318 Arbor Vitae Avenue, Michelle L.Griffin (Vol.2000064, Pg.4563)
Lot 14 — 1314 Arbor Vitae Avenue, Barbara Ann Life Estate Fox (No Record Found)
Lot 13 — 1308 Arbor Vitae Avenue, Joaquin Feliz (Inst.No.20090027082)
Lot 12 — 1304 Arbor Vitae Avenue, Frenchie L.Beeler (No Record Found)

15' Alley

PID 6152

8" WW — Ex.6" WW.(4110-0880.SA.002)

Ex.6" WW.(CBK 1348 PJ1)

Ex.8" WW.(4110-0880.SA.001)

WWMH

Ex.8" EGWATERLEB 330 PR.U

BROOKHAVEN DRIVE
50' ROW

Asphalt Pavement

Concrete Roadway Mbr.

City of Dallas (Inst.No.20110030937)
120 Brookhaven Drive

MATCH MARK ~ 8" Wastewater STA.4+50
SEE 4110-0880.SH.04

Lot 5 — 1407 South Beckley Avenue, Pablo Torres (Inst.No.20000254976)
Lot 6 — 1403 South Beckley Avenue, Marquita R.Shaw (Vol.93191,Pg.3922)
Lot 7 — 1323 South Beckley Avenue, Gerardo Perez Zubiri (Vol.94146,Pg.1895)
Lot 8 — 1317 South Beckley Avenue, Guillermina Zubiri (Vol.2000181,Pg.2762)
Lot 9 — 1315 South Beckley Avenue, Roberto Castanedo and Roda Irma Alvarez (Vol.90161,Pg.3321)
Lot 10 — 1311 South Beckley Avenue, Guillermina Zubiri (Vol.98140,Pg.2156)
Lot 11 — 1305 South Beckley Avenue, Tony Fernandez,III (Inst.No.20190085957)

Kings Gardens Subdivision of Gannon Estates Addition (Vol.7, Pg.1872) Block A/3767

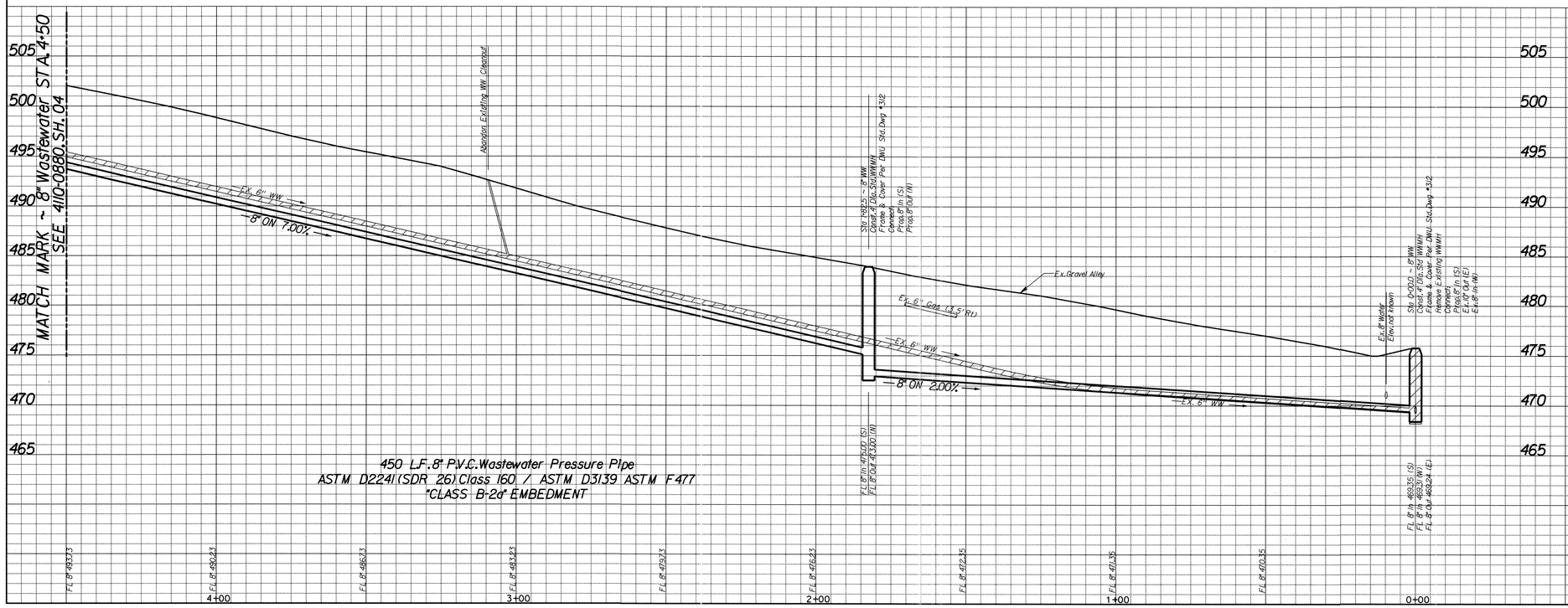
Abandon Existing WW Cleanout

Sta 1+82.5 ~ 8" WW
N 6 952 932.55
E 2 484 079.18
Const.4' Dia.Std.WWMH
Frame & Cover Per DNU Std.Dwg #312
Rim Elev.=483.94
Connect:
Prop.8" In (S)
Prop.8" Out (N)

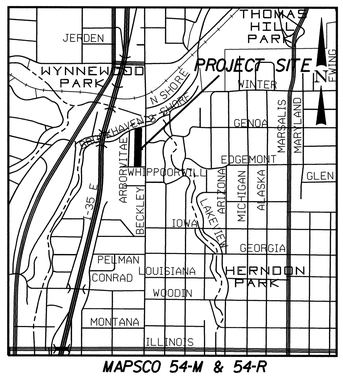
Sta 0+00.0 ~ 8" WW
N 6 953 115.04
E 2 484 077.70
Const.4' Dia.Std WWMH
Frame & Cover Per DNU Std.Dwg #312
Rim Elev.=475.79
Remove Existing WWMH
Connect:
Ex.8" In (W)
Prop.8" In (S)
Ex.8" Out (E)

Sign (Speed Limit)

SOUTH BECKLEY AVENUE



450 L.F. 8" P.V.C. Wastewater Pressure Pipe
ASTM D2241 (SDR 26) Class 160 / ASTM D3139 ASTM F477
"CLASS B-2a" EMBEDMENT



MAPSCO 54-M & 54-R
VICINITY MAP
N.T.S.

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

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

DNU BM 54-R-6S
Standard Water Department Benchmark on top of a concrete curb at the midpoint at the northeast corner of the intersection of Beckley Avenue and Crestwood Drive. Elev.=528.540

DNU BM 54-R-4
Square cut on top of concrete curb at the center of a storm inlet at the north side of Iowa Avenue and east of Beckley Avenue, +/-38 feet east of the approximate centerline of Beckley Avenue. Elev.=534.920

CP No.3
"X"-Cut set in concrete curb on the south side of Whippoorwill Drive, at the approximate projected centerline of a 15-foot alley running north/south from Whippoorwill Drive to Brookhaven Drive, +/-15 feet northwest of a power pole and +/-96 feet northeast from a wastewater manhole on the south side of Whippoorwill Drive.
N=6,952,394.83 E=2,484,079.03 Elev=517.08

CP No.4
5/8-Inch iron rod w/"CONTROL POINT" cap set in the approximate centerline of an unpaved 15-foot alley running north/south from Whippoorwill Drive to Brookhaven Drive, being +/-350 feet north of the north side of Whippoorwill Drive and +/-308 south of the south side of Brookhaven Drive, +/-15 feet northeast of a natural gas meter, and +/-13 feet southeast of a power pole.
N=6,952,781.82 E=2,484,076.99 Elev=494.25

CP No.5
"X"-Cut set on the east end of a concrete drive approach on the south side of Brookhaven Drive to a 15-foot alley running north/south from Whippoorwill Drive to Brookhaven Drive, being +/-25 feet southeast of a wastewater manhole at the approximate centerline of Brookhaven Drive and +/-11 feet of the corner of a one-story frame building on the east side of said alley.
N=6,953,091.41 E=2,484,084.36 Elev=487.57

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

REFERENCES
WATER
47-22W
WASTEWATER
47-22S

BURGESS & NIPLE, INC. (F-10834)

STATE OF TEXAS
BERNARD J. DSOUZA
101054
LICENSED PROFESSIONAL ENGINEER

ELECTRONICALLY SEALED ON 12-28-2020

B&N — BURGESS & NIPLE, INC. 12750 MERIT DR. SUITE 425 DALLAS, TEXAS 75251 Texas Board of Professional Engineers Firm Registration No. 10034

Pacheco Koch
7557 RAMBLER ROAD, SUITE 1400
DALLAS, TX 75231 972.235.3031
TX REG. ENGINEERING FIRM F-469
TX REG. SURVEYING FIRM LS-100080-00

PID 6152 | CONTRACT NO.: 20-173/174

8" WASTEWATER MAIN

ALLEY BEHIND ARBOR VITAE AVE AND S BECKLEY AVE
WHIPPOORWILL DR TO S SHORE DR/BROOKHAVEN DR

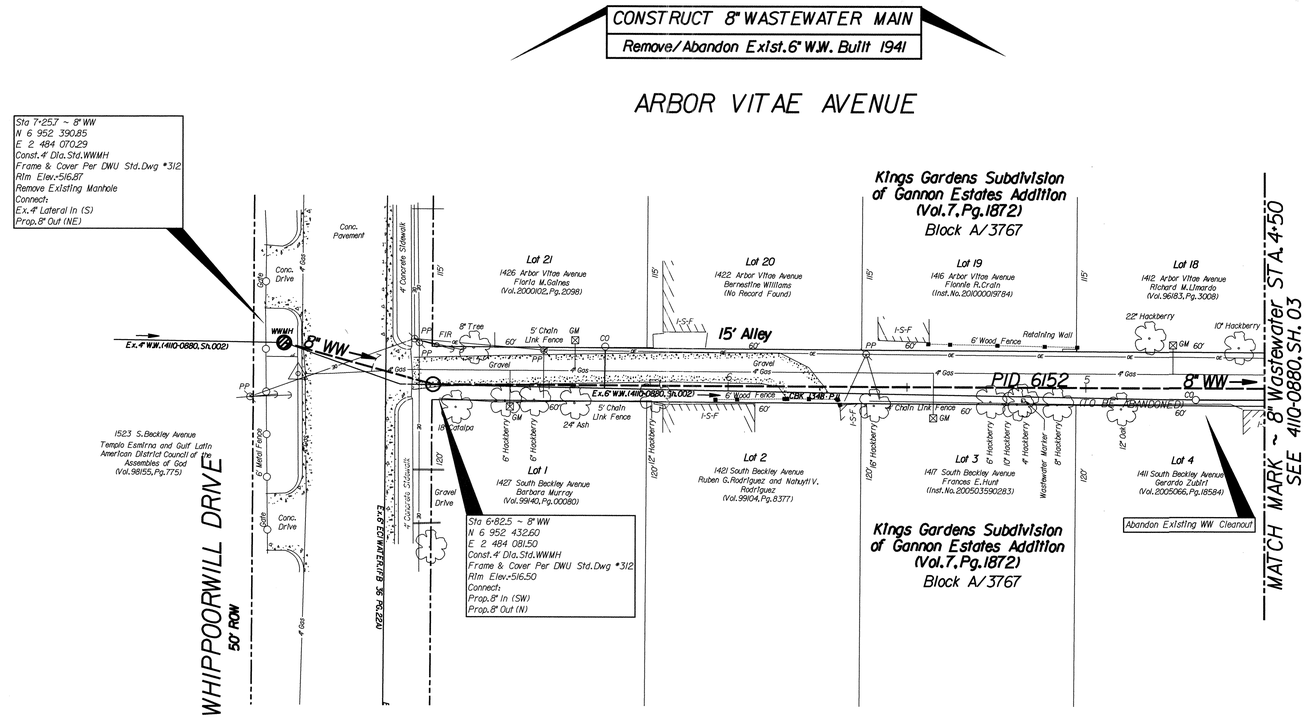
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

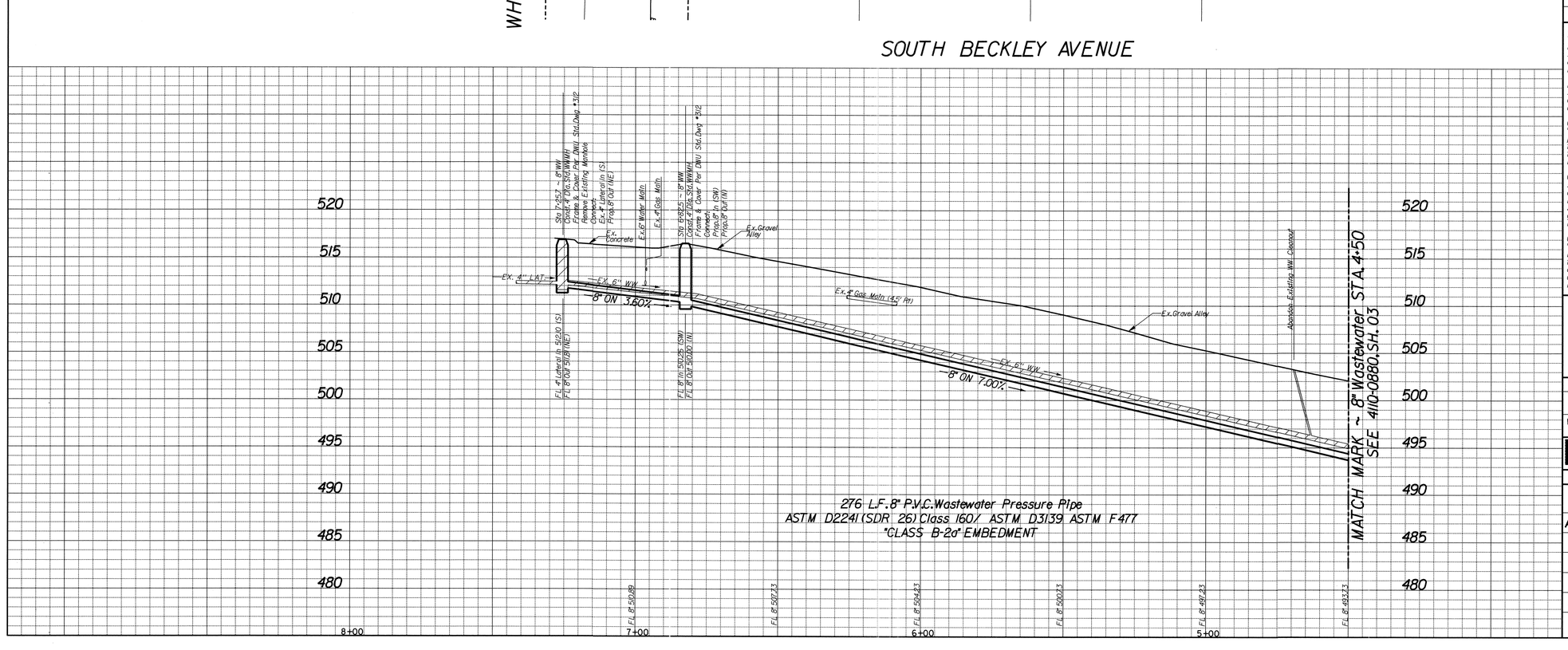
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
B&N	B&N	DEC. 2020	4110	0880	03

UNDERGROUND UTILITIES

THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND BASED ON DATA FURNISHED BY UTILITY COMPANIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND VERIFY ON-SITE THE UTILITIES THAT MAY CONFLICT WITH THE CONSTRUCTION.
CALL 1-800-344-8377 TWO WORKING DAYS PRIOR TO CONSTRUCTION FOR ON-SITE LOCATIONS.

CONSTRUCT 8" WASTEWATER MAIN
Remove/Abandon Exist.6" W.W. Built 1941





276 L.F.8" P.V.C.Wastewater Pressure Pipe
ASTM D2241(SDR 26)Class 160/ ASTM D3139 ASTM F477
"CLASS B-2a" EMBEDMENT

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

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
1			
2			

BENCHMARKS & CONTROL POINTS

DWU BM 54-R-6S
Standard Water Department Benchmark on top of a concrete curb at the midpoint at the northeast corner of the intersection of Beckley Avenue and Crestwood Drive. Elev.=528.540

DWU BM 54-R-4
Square cut on top of concrete curb at the center of a storm inlet at the north side of Iowa Avenue and east of Beckley Avenue,+/-38 feet east of the approximate centerline of Beckley Avenue.Elev.=534.920

CP No.3
"X"-Cut set in concrete curb on the south side of Whippoorwill Drive,at the approximate projected centerline of a 15-foot alley running north/south from Whippoorwill Drive to Brookhaven Drive,+/-15 feet northwest of a power pole and +/-95 feet northeast from a wastewater manhole on the south side of Whippoorwill Drive.
N=6,952,394.83 E=2,484,079.03 Elev=517.08

CP No.4
5/8-inch iron rod w/"CONTROL POINT" cap set in the approximate centerline of an unpaved 15-foot alley running north/south from Whippoorwill Drive to Brookhaven Drive,being +/-350 feet north of the north side of Whippoorwill Drive and +/-308 south of the south side of Brookhaven Drive,+/-15 feet northeast of a natural gas meter,and +/-13 feet southeast of a power pole.
N=6,952,781.82 E=2,484,076.99 Elev=494.25

CP No.5
"X"-Cut set on the east end of a concrete drive approach on the south side of Brookhaven Drive to a 15-foot alley running north/south from Whippoorwill Drive to Brookhaven Drive,being +/-25 feet southeast of a wastewater manhole at the approximate centerline of Brookhaven Drive and +/-11 feet of the corner of a one-story frame building on the east side of said alley.
N=6,953,091.41 E=2,484,084.36 Elev=475.77

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

REFERENCES
WATER
47-22W
WASTEWATER
47-22S

BURGESS & NIPLE,INC. (F-10834)
STATE OF TEXAS
BERNARD J. DSOUZA
101054
LICENSED
PROFESSIONAL ENGINEER
ELECTRONICALLY SEALED ON 12-28-2020

B&N BURGESS & NIPLE, INC.
12750 MERIT DR. SUITE 435
DALLAS, TEXAS 75251
Texas Board of Professional Engineers Firm Registration No. 10024

Pacheco Koch
7557 RAMBLER ROAD, SUITE 1400
DALLAS, TX 75231 972.235.3031
TX REG. ENGINEERING FIRM F-469
TX REG. SURVEYING FIRM LS-100080-00

PID 6152 | CONTRACT NO. 20-173/174

8" WASTEWATER MAIN

ALLEY BEHIND ARBOR VITAE AVE AND S BECKLEY AVE
WHIPPOORWILL DR TO S SHORE DR/BROOKHAVEN DR

DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
B&N	B&N	DEC. 2020	4110	0880	04