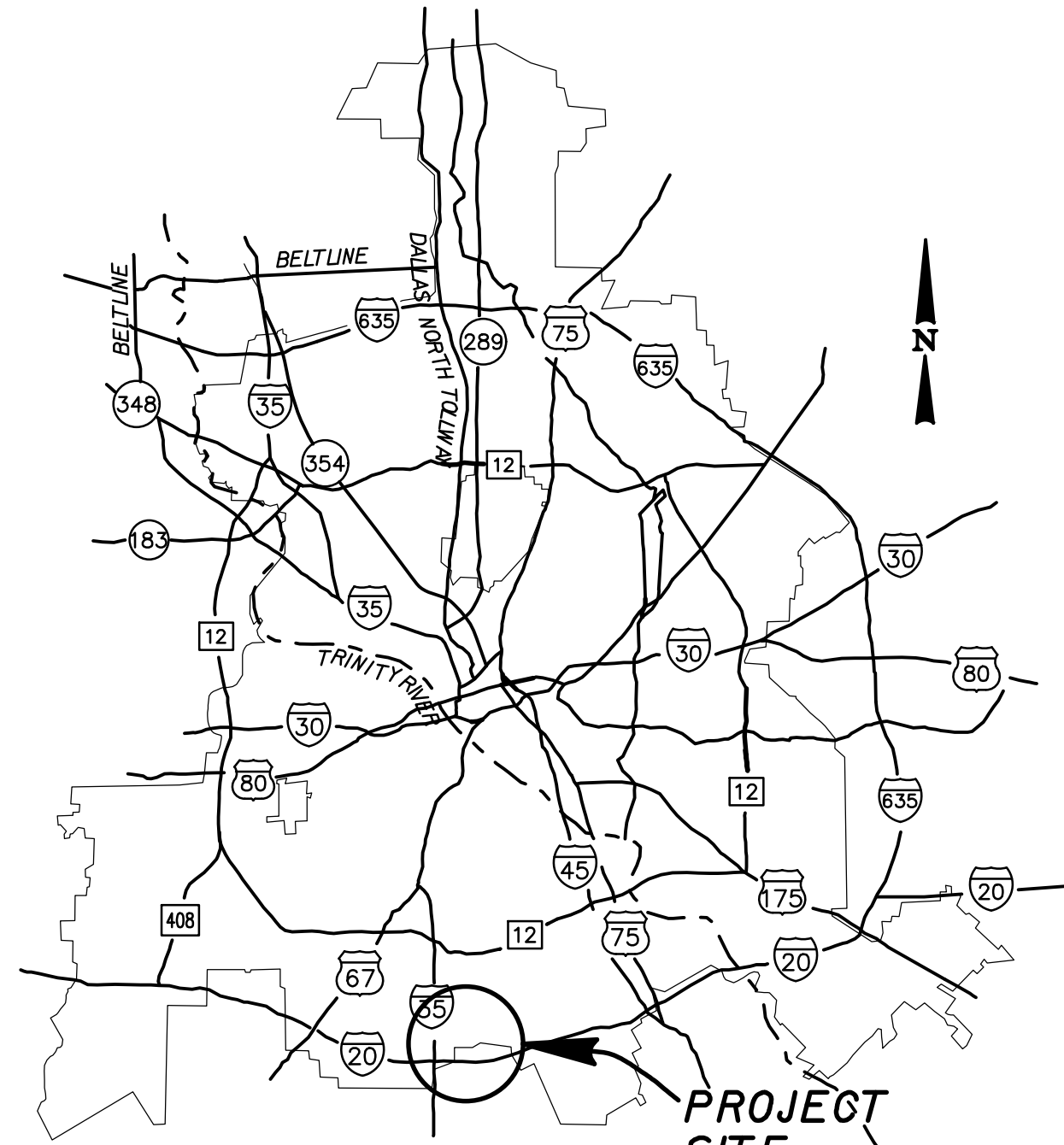
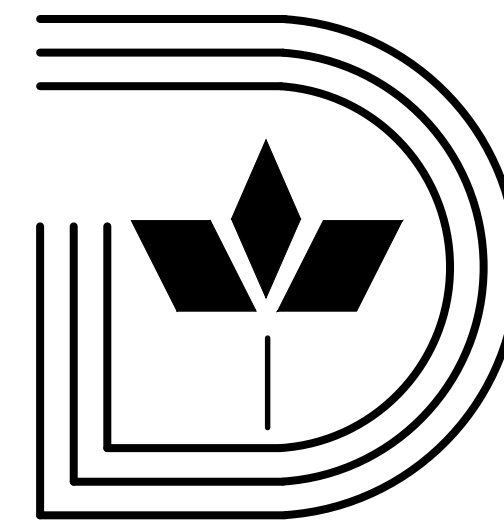


UNIVERSITY HILLS WATER & WASTEWATER RUNYON SPRINGS BRANCH PHASE 3 OPTION 5 KILLOUGH BOULEVARD WASCO LANE SCHEDULE B



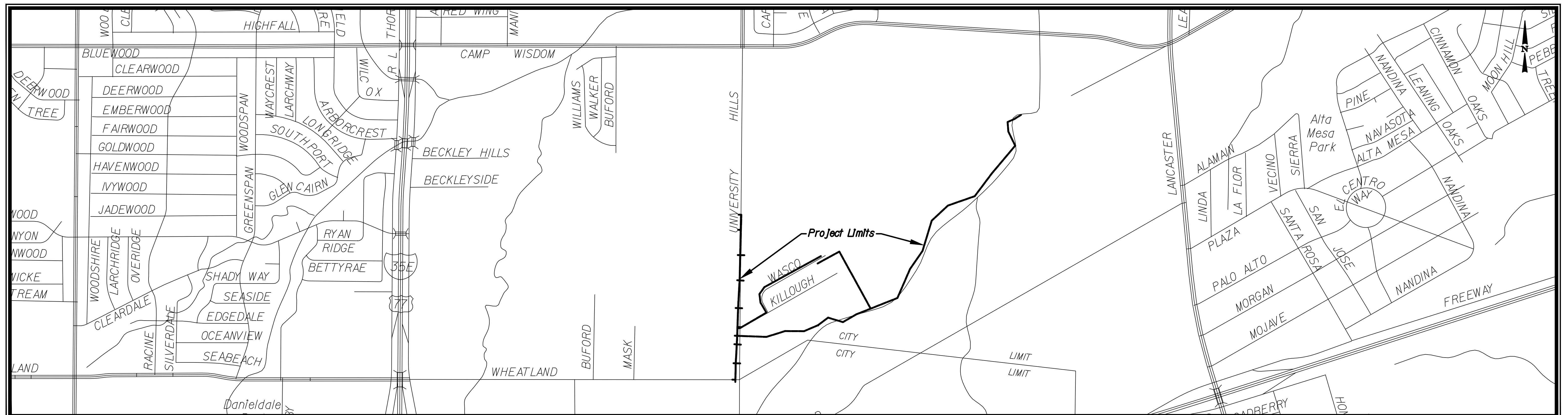
MAPSCO 68 (L, M, R, V, Z),
69 (S, W, X) & 79 (A, B, C, G, H)



Dallas Water Utilities
City Of Dallas, Texas
Contract No.: 20-505/506
February 2021



Description	Design Sheet
1. COVER	41IQ-1791B Sh. 001
2. GENERAL NOTES	41IQ-1791B Sh. 002
3. ALIGNMENT OVERVIEW & PROJECT CONTROL	41IQ-1791B Sh. 003
4. WASTEWATER LINE "A" STA 0+00 TO STA 4+00	41IQ-1791B Sh. 004
5. WASTEWATER LINE "A" STA 4+00 TO STA 8+50	41IQ-1791B Sh. 005
6. WASTEWATER LINE "A" STA 8+50 TO STA 13+00	41IQ-1791B Sh. 006
7. WASTEWATER LINE "A" STA 13+00 TO STA 17+50	41IQ-1791B Sh. 007
8. WASTEWATER LINE "A" STA 17+50 TO STA 22+00	41IQ-1791B Sh. 008
9. WASTEWATER LINE "A" STA 22+00 TO STA 26+50	41IQ-1791B Sh. 009
10. WASTEWATER LINE "A" STA 26+50 TO STA 31+00	41IQ-1791B Sh. 010
11. WASTEWATER LINE "A" STA 31+00 TO STA 35+50	41IQ-1791B Sh. 011
12. WASTEWATER LINE "A" STA 35+50 TO STA 40+00	41IQ-1791B Sh. 012
13. WASTEWATER LINE "A" STA 40+00 TO STA 44+50	41IQ-1791B Sh. 013
14. WASTEWATER LINE "A" STA 44+50 TO STA 49+00	41IQ-1791B Sh. 014
15. WASTEWATER LINE "A" STA 49+00 TO STA 53+50	41IQ-1791B Sh. 015
16. WASTEWATER LINE "A" STA 53+50 TO STA 58+00	41IQ-1791B Sh. 016
17. WASTEWATER LINE "A" STA 58+00 TO STA 62+50	41IQ-1791B Sh. 017
18. WASTEWATER LINE "A" STA 62+50 TO END	41IQ-1791B Sh. 018
19. WASTEWATER LINE "B" STA 0+00 TO STA 2+50, WASTEWATER LINE "C" STA 0+00 TO STA 2+00	41IQ-1791B Sh. 019
20. WASTEWATER LINE "B" STA 2+50 TO END	41IQ-1791B Sh. 020
21. WASTEWATER LINE "C" STA 2+00 TO STA 6+50	41IQ-1791B Sh. 021
22. WASTEWATER LINE "C" STA 6+50 TO STA 11+00	41IQ-1791B Sh. 022
23. WASTEWATER LINE "C" STA 11+00 TO STA 15+50	41IQ-1791B Sh. 023
24. WASTEWATER LINE "C" STA 15+50 TO END	41IQ-1791B Sh. 024
25. TREE PROTECTION DETAIL	41IQ-1791B Sh. 025
26. WASTEWATER LINE "D" STA 0+00 TO STA 4+50	41IQ-1722A Sh. 032
27. WASTEWATER LINE "D" STA 4+50 TO STA 9+00	41IQ-1722A Sh. 033
28. WASTEWATER LINE "D" STA 9+00 TO STA 13+50	41IQ-1722A Sh. 034
29. WASTEWATER LINE "D" STA 13+50 TO END	41IQ-1722A Sh. 035
30. WATER LINE 1 STA 0+00 TO 4+50 & WATER LINE 2	41IQ-1722A Sh. 036
31. WATER LINE 1 STA 4+50 TO 13+50	41IQ-1722A Sh. 037
32. WATER LINE 1 STA 13+50 TO END	41IQ-1722A Sh. 038



Scale: 1" = 750'

GENERAL LEGENDS

GENERAL

	Benchmark
	Control Point
	Iron Pin Found
	Iron Pin Set
	Exist. ROW
	Prop. ROW
	ROW Centerline
	Alley ROW
	Exist. Easement
	Prop. Easement
	Corporation Line Marker
	Floodplain
	Exist. Structure/Building
	Prop. Structure/Building
	Bank/Slope Line
	Flow Line/Stream Line
	Bore Hole
TOPOGRAPHIC FEATURES	
	Tree
	Brush, Shrub, Wood
	Swamp
	Mail Box
	Ballards
	Irrigation Control Valve
	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
	Exist. Concrete
	Prop. Pavement

STORM DRAINS

	Exist. Storm Drain
	Exist. Storm Manhole
	Exist. Storm Inlet
	Prop. Storm Drain
	Prop. Storm Manhole
	Prop. Storm Inlet

UTILITIES

	Exist. Gas Line
	Exist. Gas Manhole
	Exist. Underground Electric Line
	Exist. Overhead Electric Line
	Exist. Electric Pad Mounted Transformer
	Exist. Electric Power Pole
	Exist. Electric Pole Anchor
	Exist. Electric Utility Manhole
	Exist. Electric Vault
	Exist. Telephone Line
	Exist. Telephone Utility Manhole
	Exist. Telephone Pedestal
	Exist. Fiber Optic Line
	Exist. Fiber Optic Manhole
	Exist. Cable TV Line
	Exist. Cable TV Manhole

WATER MAINS & APPURTENANCES

	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
	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
	Exist. Cathodic Test Station
	Prop. Gate Valve
	Prop. High/Low Valve
	Prop. Check Valve
	Prop. Flush Point
	Prop. Air Valve
	Prop. Cathodic Test Station

WASTEWATER MAINS & APPURTENANCES

	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
	Prop. Wastewater Manhole
	Prop. Wastewater Access Device
	Prop. Wastewater Cleanout
	Remove & Replace Exist. Manhole

PROJECT CONTACTS

DNW PROJECT MANAGER:	RICK LUCAS	214 - 671 - 9532
DNW DISTRIBUTION DIVISION:	JOHNNY PARTAIN	214 - 670 - 8796
DNW WASTEWATER COLLECTION DIVISION:	JASON WU	214 - 243 - 1526
CITY OF DALLAS PW&T - TRAFFIC CONTROL:	RUSSELL FINLEY	469 - 583 - 3654

GENERAL

- All work shall be done in accordance with the North Central Texas Council of Governments (NCTCOG) Standard Specifications for Public Works Construction (Version 4) and City of Dallas Addendum (October, 2011) to these specifications.
- Reference to standard drawings shall mean those shown in the DNW Standard Drawings for Water & Wastewater Construction (October, 2017).
- 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.
- 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 beginning construction (including ordering pre-cast manholes and concrete pipe if applicable). NO SEPARATE PAY ITEM.
- 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.
- 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.
- The Contractor shall support telephone conduits, storm drains, water and wastewater mains when going under said utilities. NO SEPARATE PAY ITEM.
- Power poles may have to be braced at the Contractor's expense.
- 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.
- Contractor shall install temporary orange fencing along easement limits on private property prior to beginning work. Fencing shall be 48" tall, fastened to steel T-Posts at a max distance of 96" or as recommended by fence manufacturer. Contractor shall stake the 35 foot utility easement with wood laths and flagging at all points of inflection and every 100 feet prior to construction. The Contractor shall not work outside the 35 foot utility easement without permission of the existing property owner. NO SEPARATE PAY ITEM.
- Contractor is responsible for securing additional workspace outside of easement limits. If additional workspace is required, Contractor shall coordinate with Property Owner prior to beginning work.
- The Contractor shall not place fill or waste material on any private property without prior written agreement with Property Owner and City.
- No excess excavated material shall be deposited in low areas or along natural drainage ways without written permission from the City. If the Contractor places excess material in areas without written permission, he shall be responsible for all damage resulting from such fill and he shall remove the material at his own cost if the Owner so directs.
- Embedment, backfill and all other materials will NOT be permitted to be stockpiled in the floodplain. All material stockpile and equipment storage locations to be approved by the City prior to construction and in advance of placement.
- The Contractor shall clean up and remove all trash and debris caused by the construction and maintenance of the project. After all such activities, the Contractor shall return the surface of the properties to the pre-construction condition.
- The Contractor shall promptly restore any damages that may occur to the property, which restoration shall be to at least the same condition that the property was in prior to the damages and subject to the Owner's prior approval. The Contractor shall furnish a letter to the City, signed by the owner, evidencing that the owner is satisfied that the property has been restored to the condition of the property prior to activities related to the project. NO SEPARATE PAY ITEM.

WASTEWATER MAIN AND APPURTENANCES

- The Contractor shall maintain existing wastewater flow at all times. NO SEPARATE PAY ITEM.
- All proposed manholes out of pavement shall be a minimum of 18 inches above ground and a maximum of 24 inches above ground. All proposed manholes inside pavement shall match existing grade.

TREES AND LANDSCAPING

- Contractor shall not damage or remove any trees or landscaping unless shown on the plans or otherwise authorized by the City of Dallas Inspector. Any unauthorized trees or landscaping that are damaged or removed during the construction shall be replaced by the contractor at his expense. Refer to tree protection details.

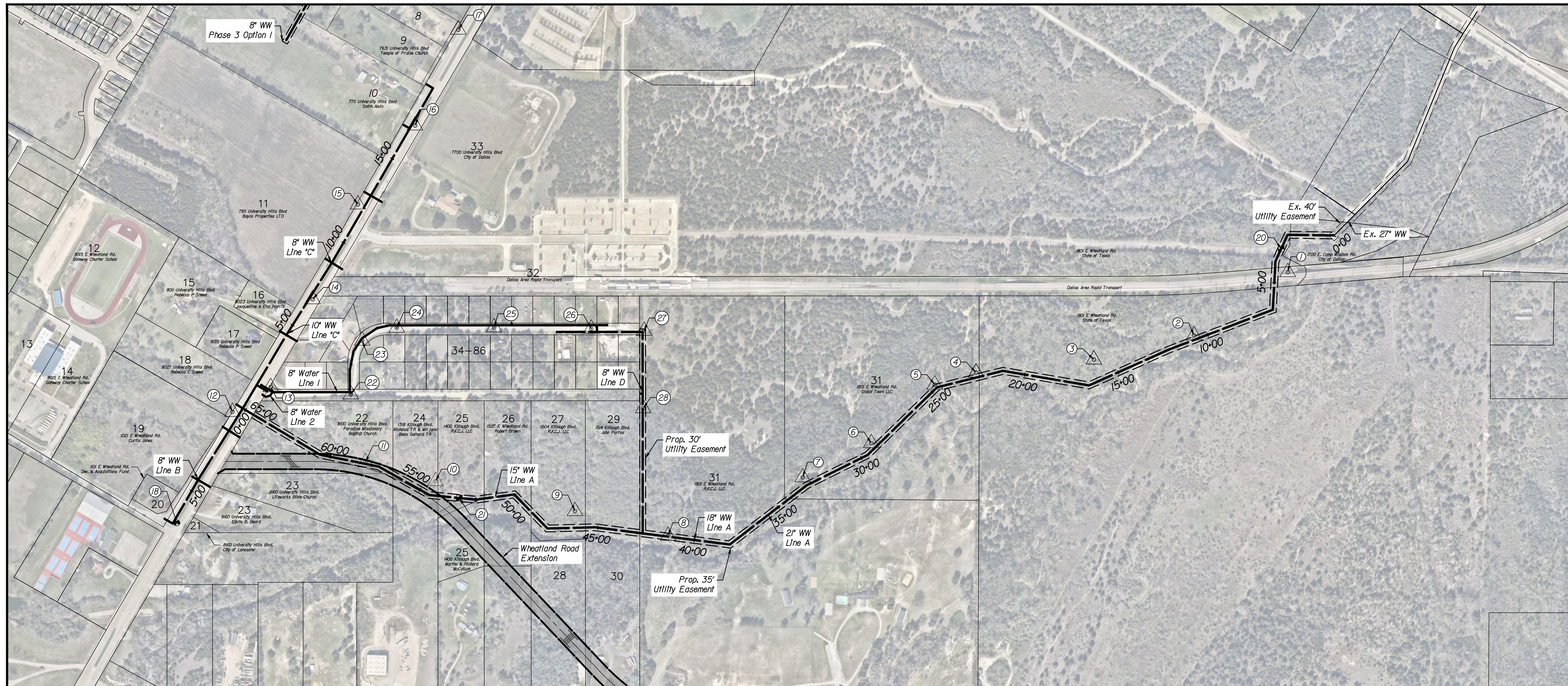
WATER MAIN AND APPURTENANCES

- 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.
- Compact fittings are not authorized for this project. All ductile iron pipe fittings and fire hydrant bases shall be poly-wrapped.
- All bends, tees, fire hydrants and plugs are to be restrained type fittings and to be blocked with Class "B" Concrete as per DNW Standard Drawings *229-234, in addition to restrained joints.
- The Contractor will ensure that fire hydrants are accessible to fire trucks at all times. NO SEPARATE PAY ITEM.
- The Contractor shall coordinate all water main tie-ins with the city of Dallas Inspector.
- Water services greater than 30 feet shall be a minimum of one (1) inch in diameter.
- 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.

GENERAL NOTES

BOTOC CARRIER & CASING PIPE DATA				
PVC CARRIER PIPE ID	PVC CARRIER PIPE OD	STEEL CASING PIPE OD	WALL THICKNESS	SPECIFICATION & GRADE
8 IN.	8.400 IN.	16 IN.	CARRIER-0.480 IN. CASING-0.219 IN.	CARRIER-ASTM D3034 PS 46 CASING-ASTM A 139, GRADE B
15 IN.	15.300 IN.	24 IN.	CARRIER-0.874 IN. CASING-0.375 IN.	CARRIER-ASTM D3034 PS 46 CASING-ASTM A 139, GRADE B
21 IN.	22.047 IN.	30 IN.	CARRIER-0.849 IN. CASING-0.469 IN.	CARRIER-ASTM F 679 PS 115 CASING-ASTM A 139, GRADE B

Horizontal Scale: as shown					
REFERENCES WATER 59-24W, 60-24W, 61-24W, 62-24W WASTEWATER 59-24S, 60-24S, 61-24S, 62-24S					
Kimley»Horn PID: 6503, 6504, 6672, 6673 CONTRACT NO. 20-505/506					
GENERAL NOTES RUNYON SPRINGS BRANCH & PHASE 3 OPTION 5 UNIVERSITY HILLS BLVD DALLAS WATER UTILITIES CITY OF DALLAS, TEXAS					
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	411Q	1791B	002



Scale: 1" = 300'

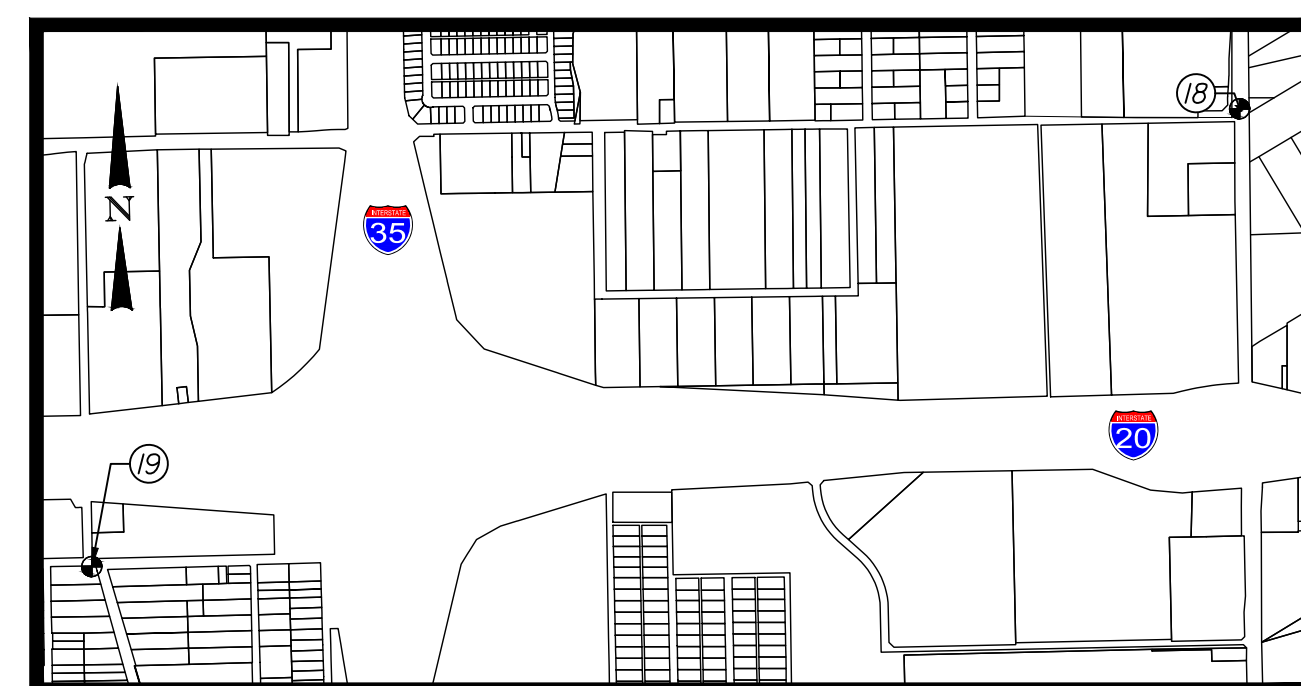
Legend

- Geotech Bore Hole
- Survey Control Point
- Benchmark
- Prop. Easement
- Prop. Alignment
- Ex. Property Line
- Proposed Wheatland Rd. Extension Limits

PROPOSED GEOTECH BORE TABLE				
POINT *	NORTHING	EASTING	STATION	DESCRIPTION
20	6926986.92	2494079.12	3+20.00	Proposed Bore
21	6923708.56	2491107.58	52+90.00	Proposed Bore

CONTROL POINT TABLE					
POINT *	NORTHING	EASTING	ELEVATION	CONTROL POINT	DESCRIPTION
1	6926902.09	2494170.44	490.23	4728	*" Cut
2	6926373.61	2493923.38	497.90	3889	5/8" Capped Iron Rod Set
3	6926001.44	2493544.73	508.46	3880	5/8" Capped Iron Rod Set
4	6925632.21	2493058.53	509.67	4003	5/8" Capped Iron Rod Set
5	6925469.70	2492907.77	509.42	3539	5/8" Capped Iron Rod Set
6	6925042.25	2492782.33	511.5	3528	5/8" Capped Iron Rod Set
7	6924709.77	2492570.20	514.80	4007	5/8" Capped Iron Rod Set
8	6924094.63	2492130.10	521.76	4005	5/8" Capped Iron Rod Set
9	6923956.61	2491653.40	539.64	4004	5/8" Capped Iron Rod Set
10	6923720.26	2490957.84	541.61	2851	5/8" Capped Iron Rod Set
11	6923617.75	2490597.79	553.10	2871	5/8" Capped Iron Rod Set
12	6923488.12	2489876.34	561.9	6	*" Cut
13	6923698.51	2489980.05	565.71	5	*" Cut
14	6924198.21	2489932.41	586.07	4	*" Cut
15	6924737.53	2489881.07	594.80	3	*" Cut
16	6925237.71	2489924.73	606.32	2	*" Cut
17	6925775.92	2489861.68	598.33	1	*" Cut
22	6923878.83	2490353.14	475.42	402	Mag Nail Set In Asphalt
23	6924146.63	2490261.36	582.80	403	Mag Nail Set In Asphalt
24	6924294.96	2490379.98	578.08	404	Mag Nail Set In Asphalt
25	6924554.59	2490808.92	571.50	405	Mag Nail Set In Asphalt
26	6924806.37	2491241.66	559.12	406	Mag Nail Set In Asphalt
27	6924937.54	2491481.32	558.86	407	5/8" Capped Iron Rod Set
28	6924592.40	2491682.10	543.19	565	5/8" Capped Iron Rod Set

BENCHMARK TABLE				
POINT *	NORTHING	EASTING	ELEVATION	CITY BENCHMARK
18	6922850.02	2489924.01	571.652	75-B-1
19	6919989.12	2482750.11	622.360	74-G-25



Scale: 1" = 1200'

Notes:

1. Horizontal Control based on NAD 1983 State Plane (North Central Texas). Coordinates provided are surface. Dallas County grid to surface factor is 1.000136506.
2. Survey was performed by BDS Technologies Inc. from September to December 2019 and January 2021.
3. Parcel numbers shown are based upon University Hills Wastewater Basin Analysis (DWU *16-359/360E SA-1).

Horizontal Scale: as shown

REFERENCES

WATER
59-24W, 60-24W, 61-24W, 62-24W

WASTEWATER
59-24S, 60-24S, 61-24S, 62-24S

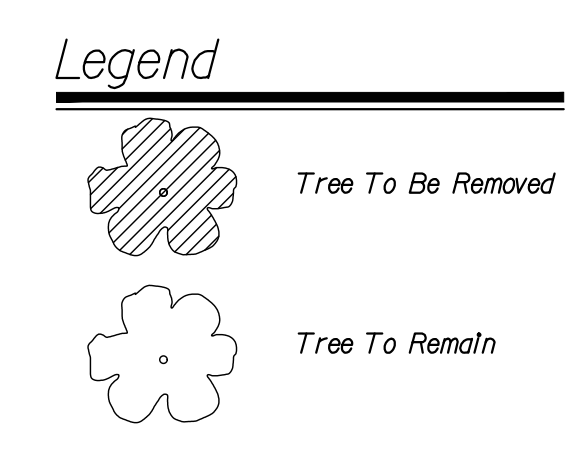
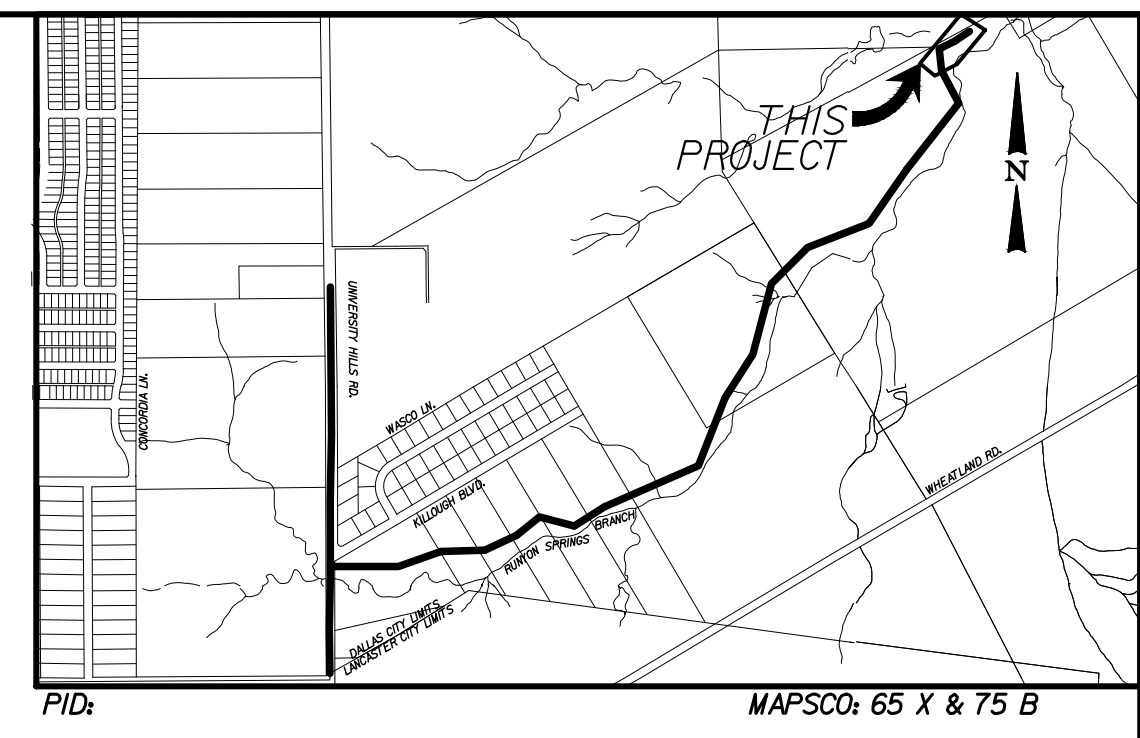
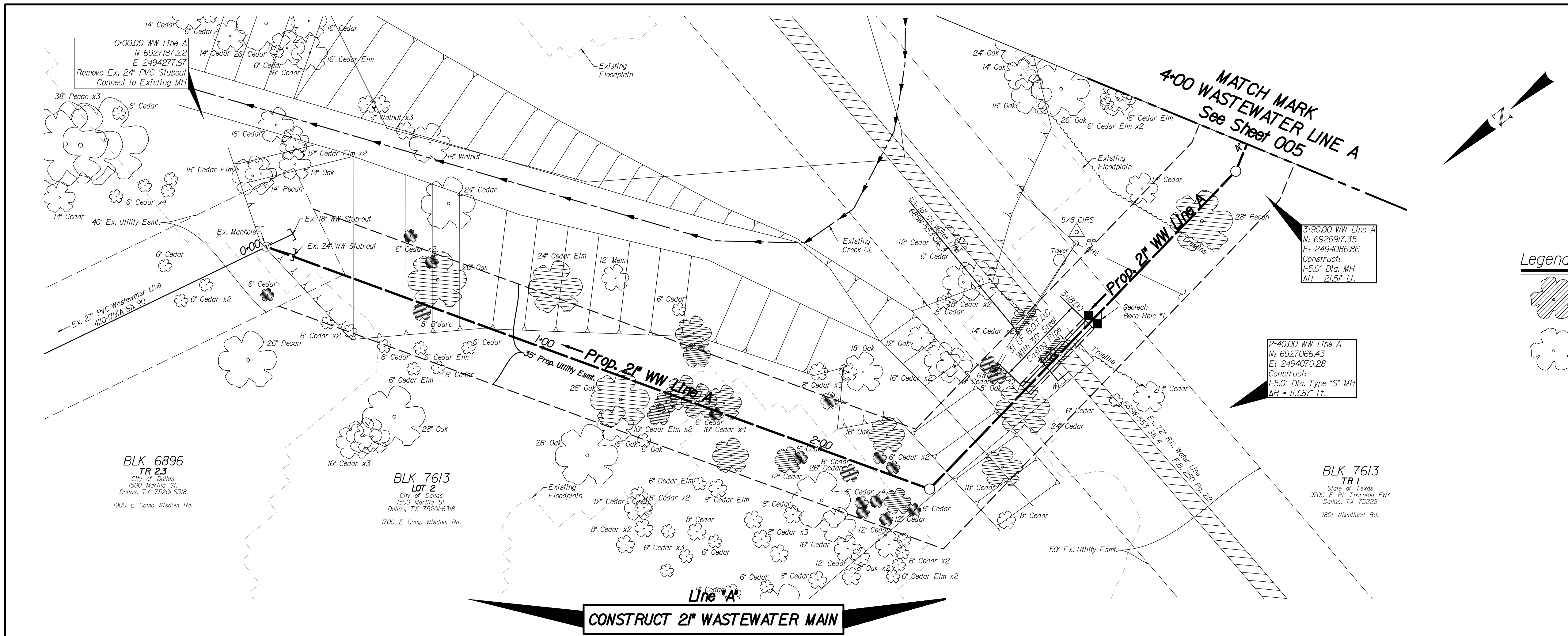
Kimley»Horn

PID: 6503, 6504, 6672, 6673 | CONTRACT NO. 20-505/506

ALIGNMENT OVERVIEW & PROJECT CONTROL
RUNYON SPRINGS BRANCH & PHASE 3 OPTION 5
UNIVERSITY HILLS BLVD
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

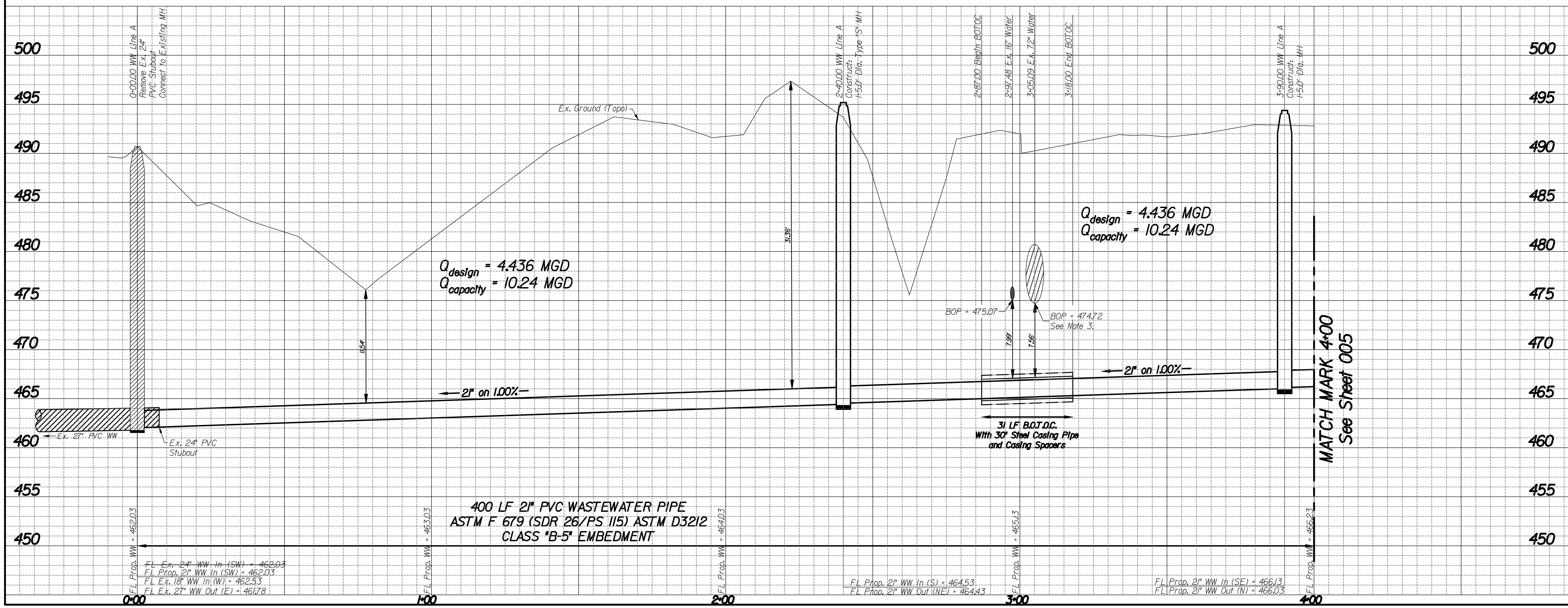
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	41IQ	1791B	003



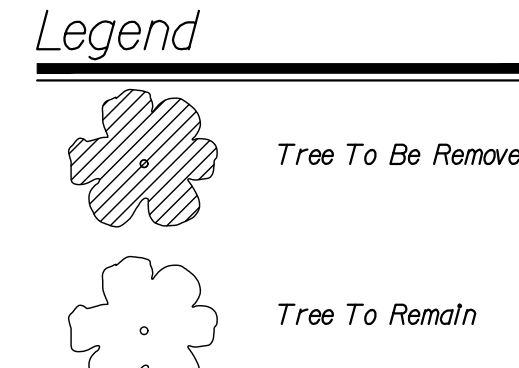
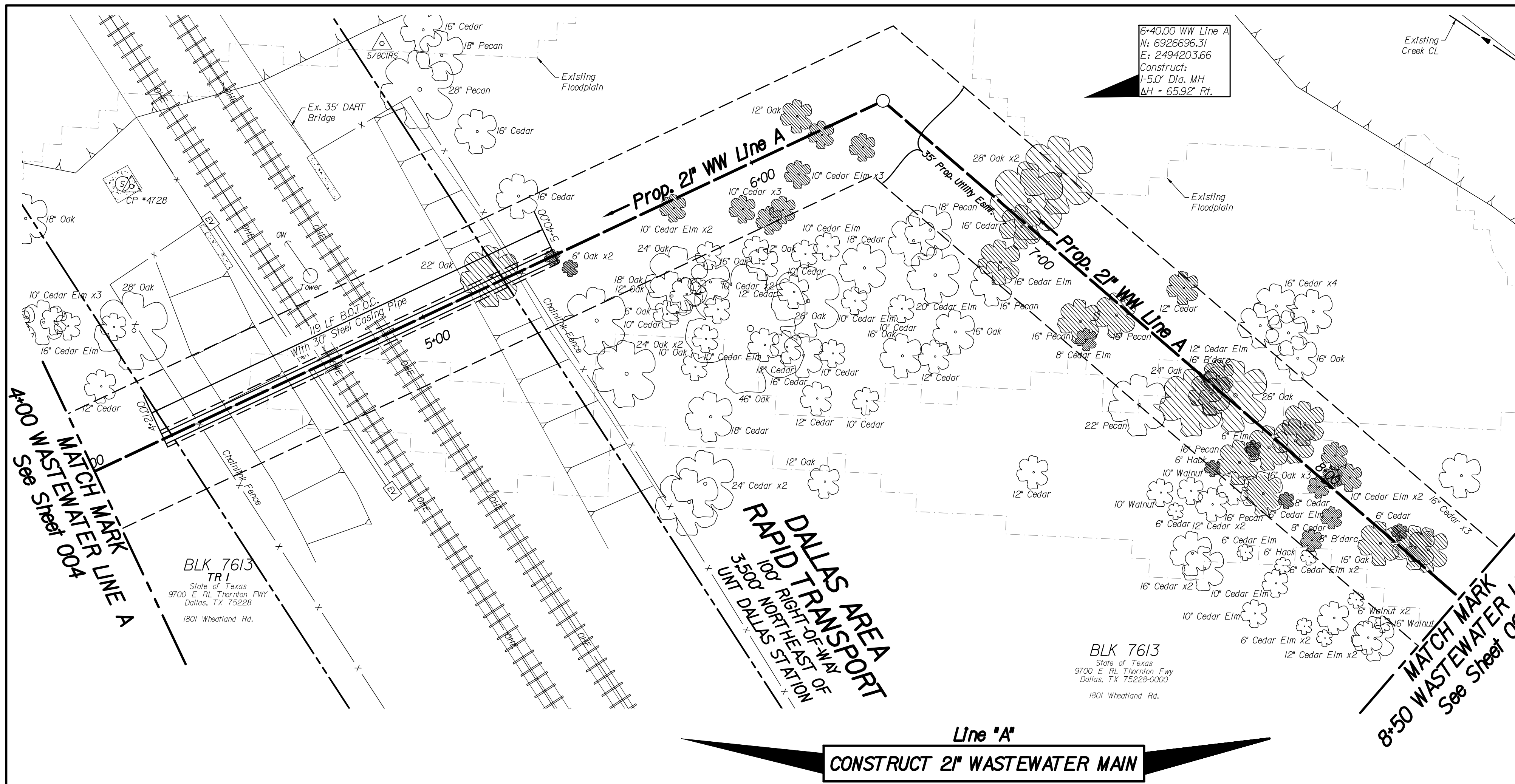


CAUTION ~ POWER !
Overhead Electrical Cables in Area
Contact Onco Two Working
Days Prior To Construction.
Tele: 1-800-344-6377

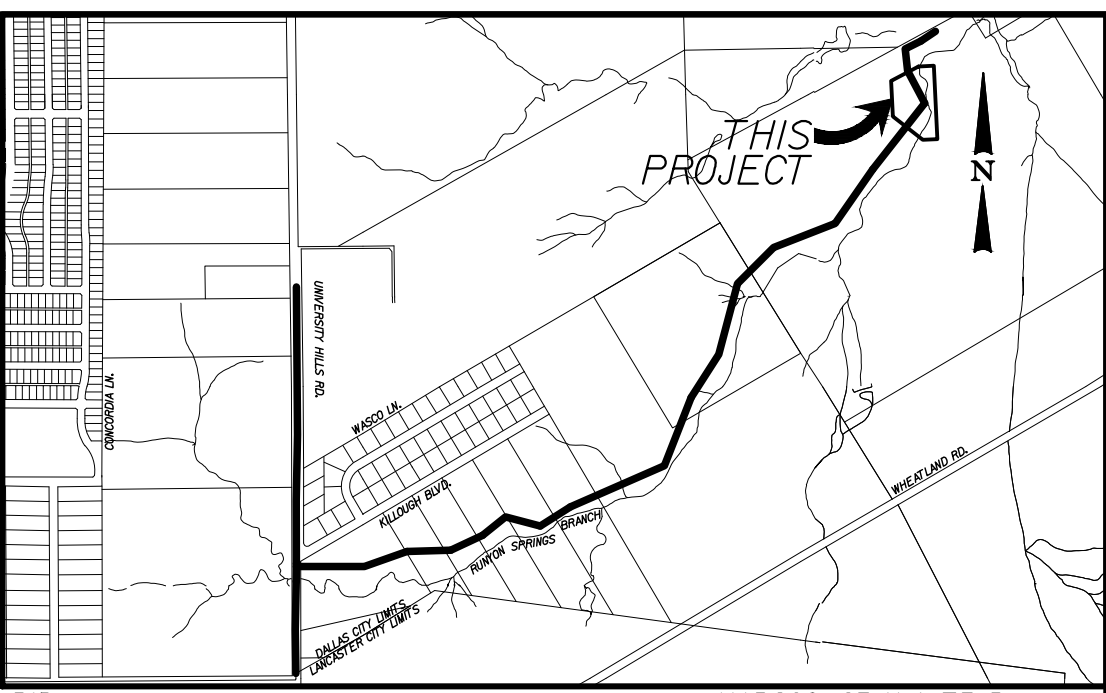
- Notes:**
- See Sheet 411Q-1791B Sh. 2 for General Notes.
 - The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.
 - The Contractor shall verify the elevation of the existing 72" water and 16" water line prior to beginning the by other than open cut installation of the 30" steel casing pipe. Payment shall be per each location under Bid Item 20500 Investigation.



REVISIONS					
REV NO.	DATE	DESCRIPTION	BY		
BENCHMARKS & CONTROL POINTS					
BENCHMARK *2241 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection. ELEV = 571.652 MAPSCO 619					
BENCHMARK *2238 Std WDBM on the southeast corner of concrete storm sewer inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd. ELEV = 622.366 MAPSCO F19					
CONTROL POINT *4728 1" Cu N. 6926902.088; E. 249470.443; ELEV. = 490.225					
CONTROL POINT *3889 3" Copper Inset Rod Surf N. 6926902.088; E. 249470.443; ELEV. = 490.225					
Horizontal Scale: 1" = 20'					
Vertical Scale: 1" = 6'					
REFERENCES					
WATER 59-24W, 60-24W, 61-24W, 62-24W					
WASTEWATER 59-24S, 60-24S, 61-24S, 62-24S					
Kimley»Horn					
PID: 6504		CONTRACT NO. 20-505/506			
15", 18" & 21" WASTEWATER					
RUNYON SPRINGS BRANCH					
UNIVERSITY HILLS BLVD					
DALLAS WATER UTILITIES					
CITY OF DALLAS, TEXAS					
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	411Q	1791B	004

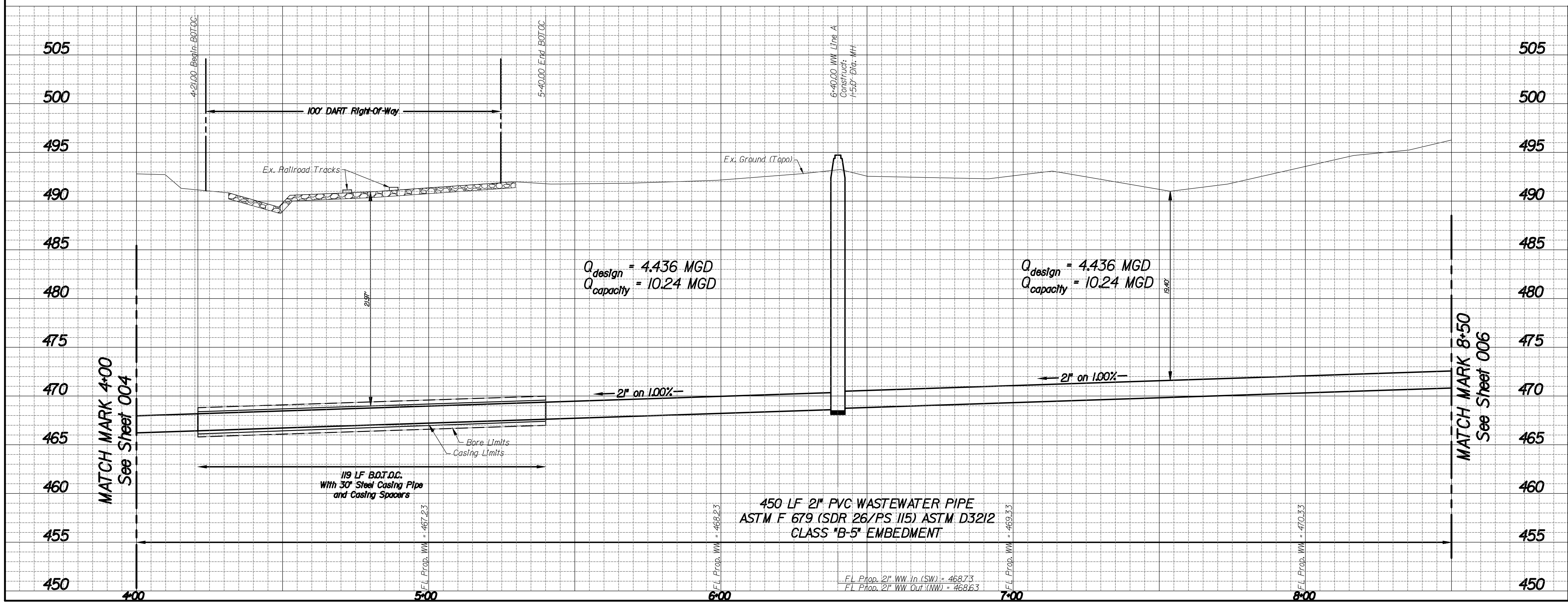


DART CROSSING DATA		
	CARRIER PIPE	CASING PIPE
CONTENTS TO BE HANDLED	SANITARY SEWER	CARRIER PIPE
OUTSIDE DIAMETER	22.047 IN	30 IN
PIPE MATERIAL	PVC	CARBON STEEL
SPECIFICATION & GRADE	ASTM F 679 PS II/5	ASTM A 139, GRADE B
WALL THICKNESS	0.849 IN	0.469 IN
ACTUAL WORKING PRESSURE	LESS THAN 10 PSI	N/A
TYPE OF JOINT	BELL AND SPIGOT	WELDED/LEAK PROOF
OUTSIDE DIAMETER JOINT	25.443 IN	30 IN
COATING	NONE	NONE
METHOD OF INSTALLATION	SUPLINE WITH CASING SPACERS	BORE AND JACK
SEALS: BOTH ENDS, TYPE: NON-SHRINK CEMENT GROUT		
BURY: BASE OF RAIL TO TOP OF CASING - 22.0 FT		
BURY: (NOT BENEATH TRACKS) - 5 FT MIN		
BURY: (ROADWAY DITCHES) - 5 FT MIN		
TYPE, SIZE SPACING OF INSULATORS OR SUPPORTS: STAINLESS STEEL, MAX 6' O.C.		
DISTANCE - CL, RR TRACKS TO FACE OF BORE PIT - 51 FT		
BURY: BASE OF RAIL TO BOTTOM JACKING/RECEIVING PITS - 25.2 FT		
CATHODIC PROTECTION: NO		



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

- DART Notes:**
- Contractor shall comply with all DART regulations while working in the vicinity of the DART right-of-way.
 - Casing shall be constructed per DWU standard details.
 - Contractor shall mark proposed sanitary sewer line within DART right-of-way. Markers shall be placed at the edge of the suballast shoulder.
 - Contractor shall fill annular space between casing and carrier pipe with grout to prevent the formation of a waterway under the trackway.
 - Casing shall be installed with an even bearing throughout entire length.
 - Steel casing shall have leak-proof joint and a specific minimum yield stress of at least 35 KSI.
- Notes:**
- See Sheet 411Q-1791B Sh. 2 for General Notes.
 - The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.



REVISIONS				
REV NO.	DATE	DESCRIPTION	BY	

BENCHMARKS & CONTROL POINTS

BENCHMARK *2241
Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection.
ELEV = 571.652; MAPSCO 619

BENCHMARK *2238
Std WDBM on the southeast corner of concrete storm sewer inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd.
ELEV = 622.366; MAPSCO F19

CONTROL POINT *4728
1" C.I.P.
N. 6926902.088; E. 249470.443; ELEV. = 490.225

CONTROL POINT *3889
3" Capped Iron Rod Sur.
N. 6926902.088; E. 249470.443; ELEV. = 490.225

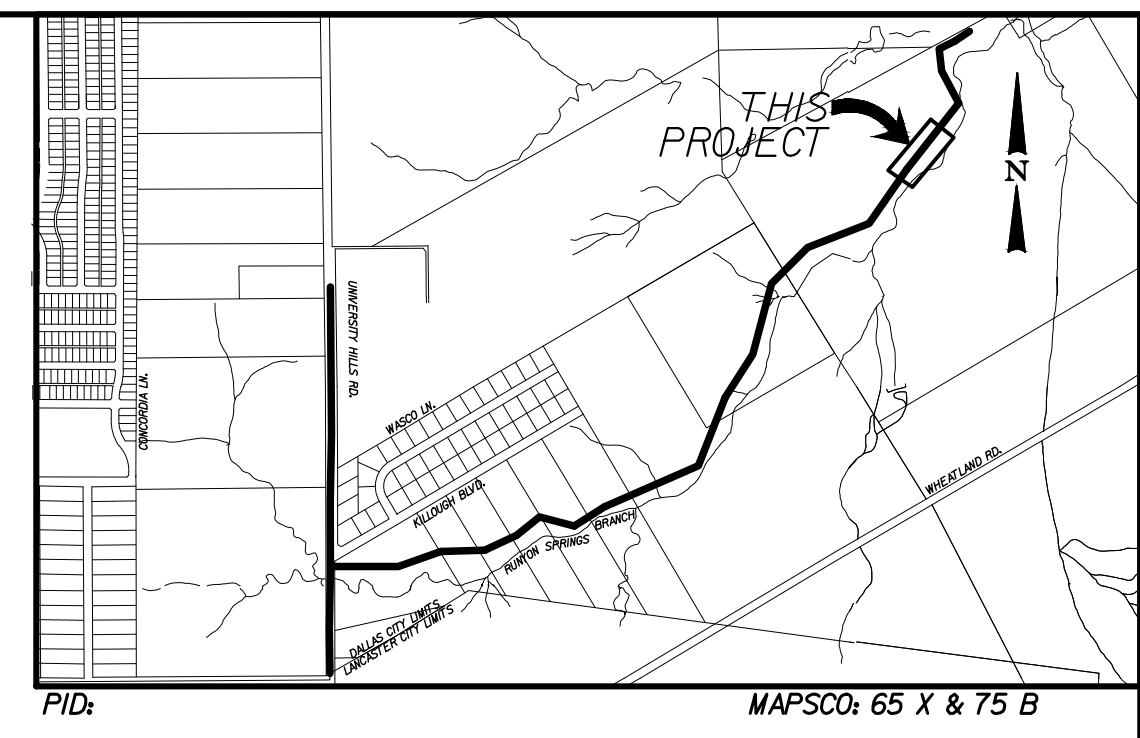
Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 6'

REFERENCES
WATER: 59-24W, 60-24W, 61-24W, 62-24W
WASTEWATER: 59-24S, 60-24S, 61-24S, 62-24S

Kimley»Horn
PID: 6504 CONTRACT NO. 20-505/506
15", 18" & 21" WASTEWATER
RUNYON SPRINGS BRANCH
UNIVERSITY HILLS BLVD
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	411Q	1791B	005

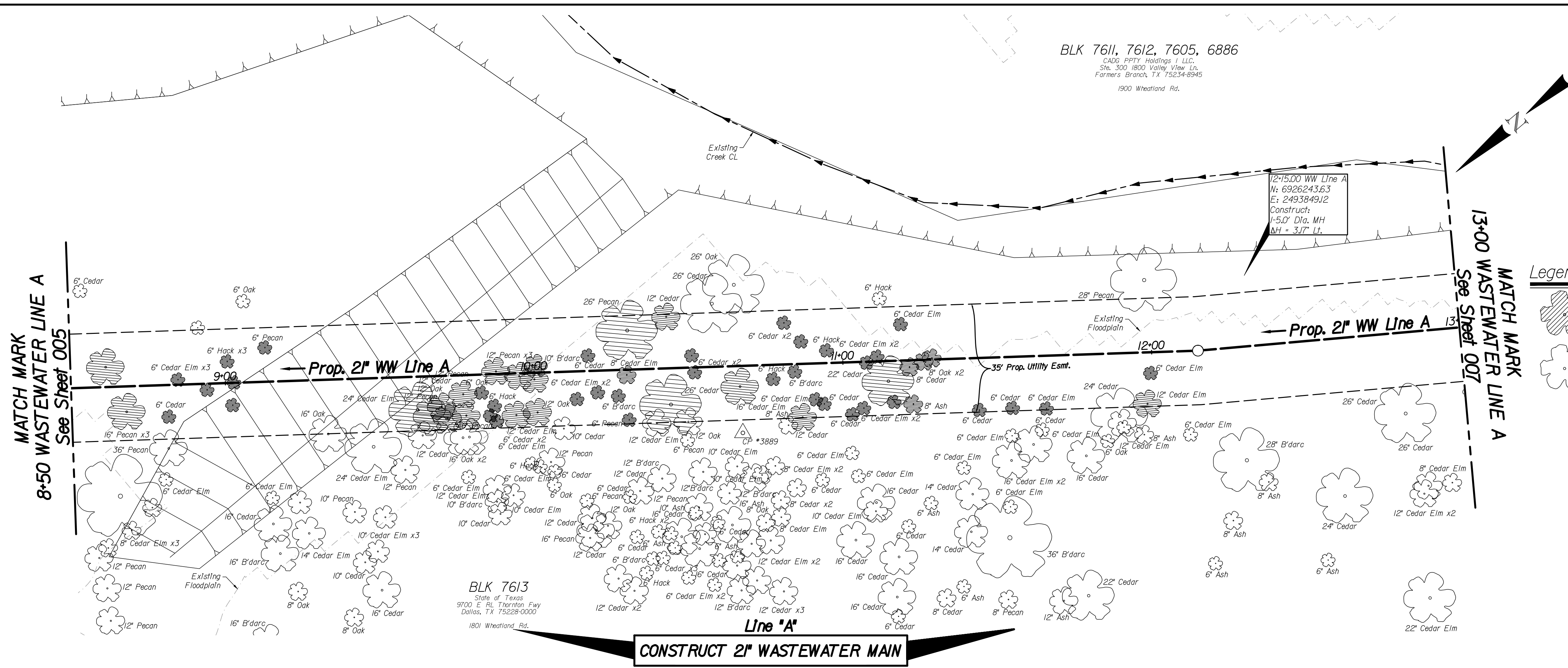
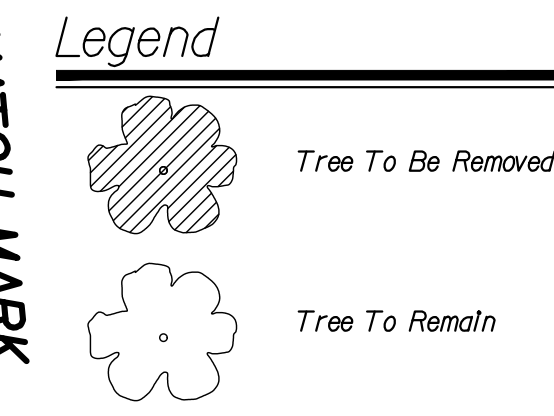
BLK 7611, 7612, 7605, 6886
 CADG PPTY Holdings I LLC
 Site: 300 1800 Vgley View Ln.
 Farmers Branch, TX 75234-6945
 1900 Wheatland Rd.



PID: MAPSCO: 65 X & 75 B

MATCH MARK
 8+50 WASTEWATER LINE A
 See Sheet 005

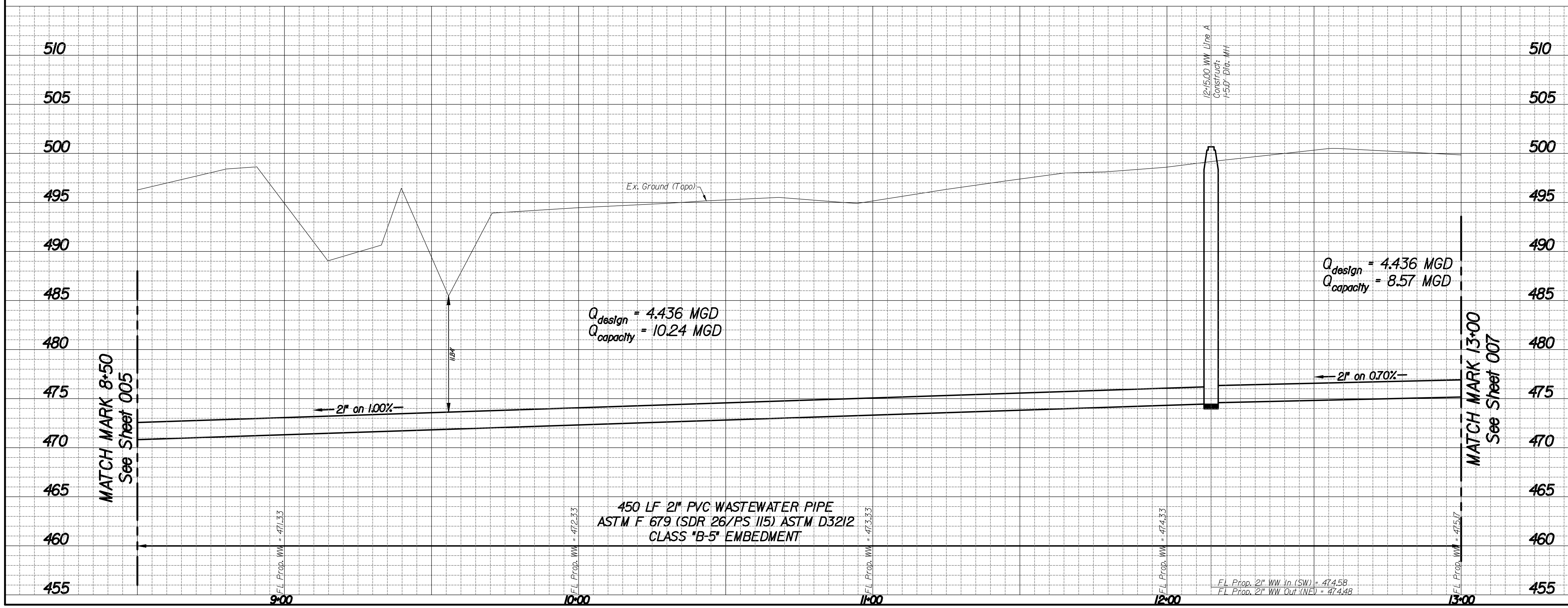
MATCH MARK
 13+00 WASTEWATER LINE A
 See Sheet 007



BLK 7613
 State of Texas
 9700 E. RL Thornton Fwy
 Dallas, TX 75228-0000
 1801 Wheatland Rd.

CONSTRUCT 2" WASTEWATER MAIN

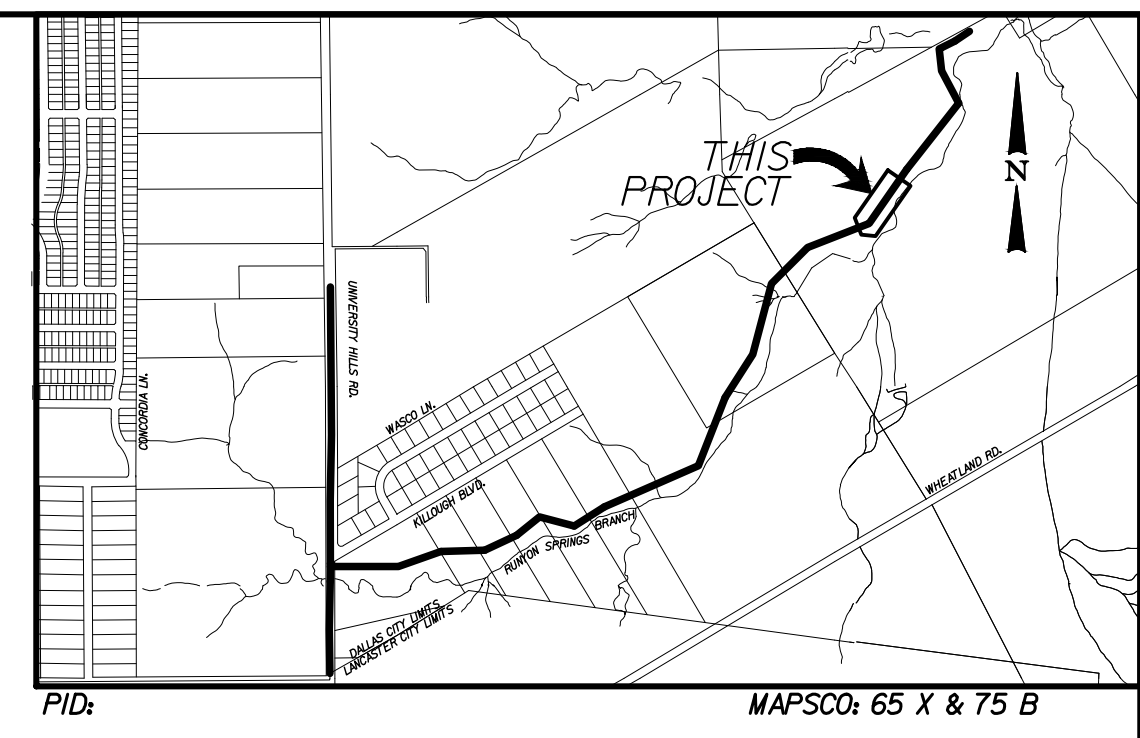
- Notes:
- See Sheet 411Q-1791B Sh. 2 for General Notes.
 - The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.



REVISIONS					
REV NO.	DATE	DESCRIPTION	BY		
BENCHMARKS & CONTROL POINTS					
BENCHMARK *2241 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection. ELEV = 571.652 MAPSCO 619					
BENCHMARK *2238 Std WDBM on the southeast corner of concrete storm sewer Inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd. ELEV = 622.366 MAPSCO F19					
CONTROL POINT *4728 1" Culvert N. 6926902.088; E. 2494170.443; ELEV. = 490.225					
CONTROL POINT *3889 3" Culvert from Road Surface N. 6926902.088; E. 2494170.443; ELEV. = 490.225					
Horizontal Scale: 1" = 20'					
Vertical Scale: 1" = 6'					
REFERENCES					
WATER 59-24W, 60-24W, 61-24W, 62-24W					
WASTEWATER 59-24S, 60-24S, 61-24S, 62-24S					
Kimley»Horn					
PID: 6504		CONTRACT NO. 20-505/506			
15", 18" & 21" WASTEWATER RUNYON SPRINGS BRANCH UNIVERSITY HILLS BLVD DALLAS WATER UTILITIES CITY OF DALLAS, TEXAS					
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	411Q	1791B	006

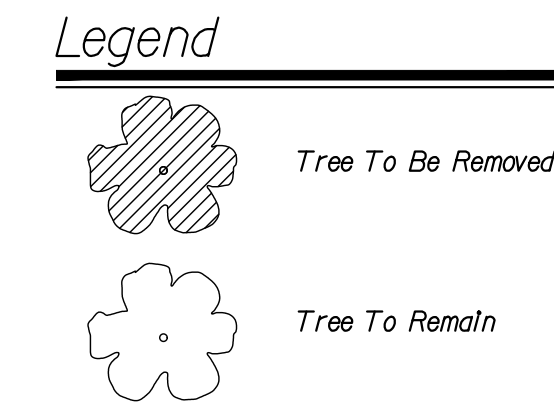
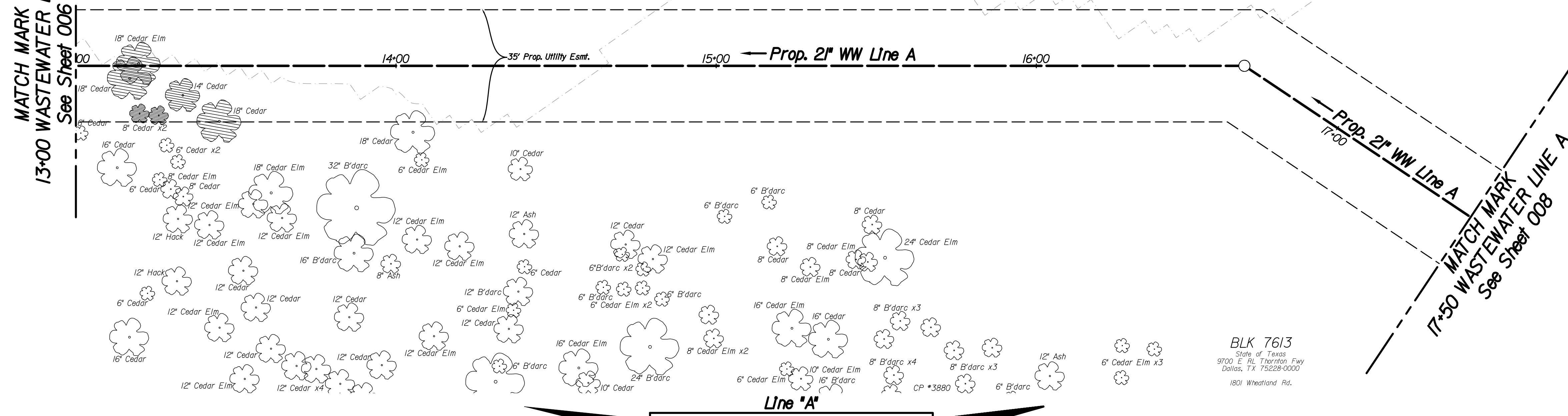
BLK 7611, 7612, 7605, 6886
 CADG. PRTY Holdings I, LLC.
 Site: 300 1800 Valley View Ln.
 Farmers Branch, TX 75234-8945
 1900 Wheatland Rd.

16+65.00 WW Line A
 N: 692587.457
 E: 2493591.63
 Construct:
 1'-5.0' Dia. MH
 ΔH = 33.74 Rt.
 Existing Floodplains



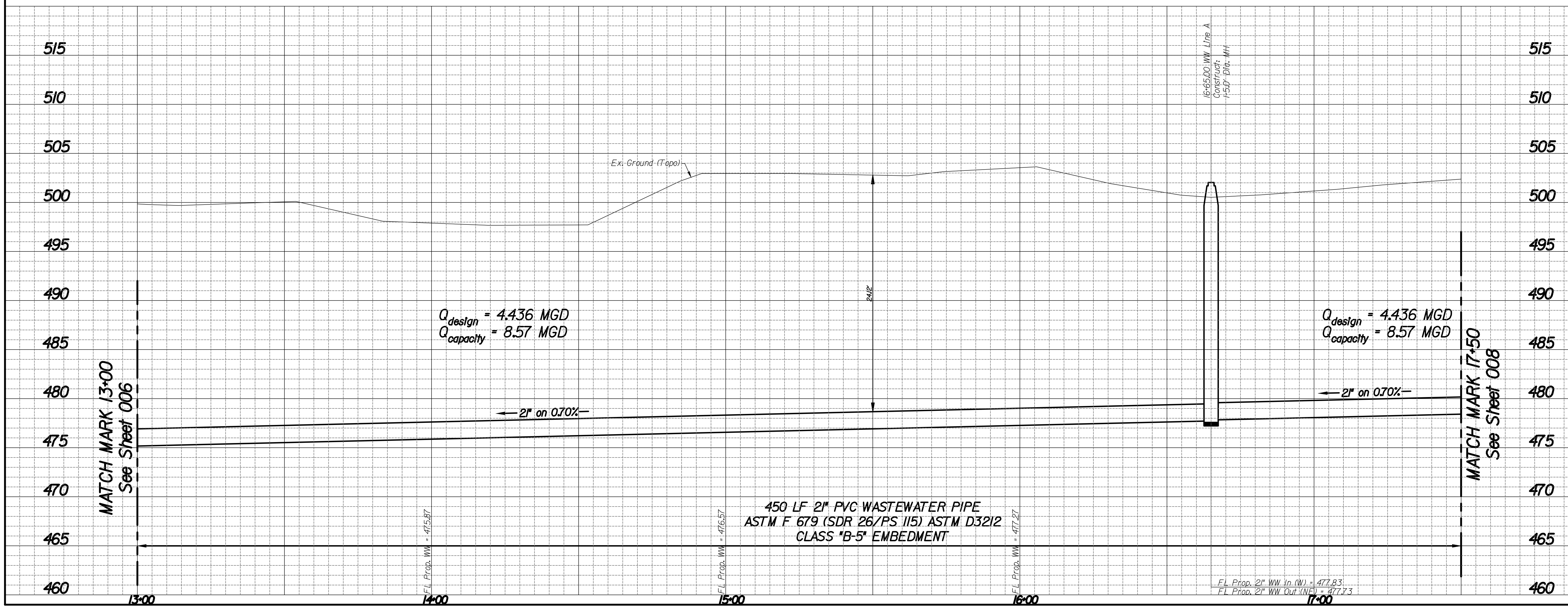
PID: MAPSCO: 65 X & 75 B

MATCH MARK 13+00
 WASTEWATER LINE A
 See Sheet 006



Notes:
 1. See Sheet 41IQ-1791B Sh. 2 for General Notes.
 2. The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.

CONSTRUCT 2" WASTEWATER MAIN



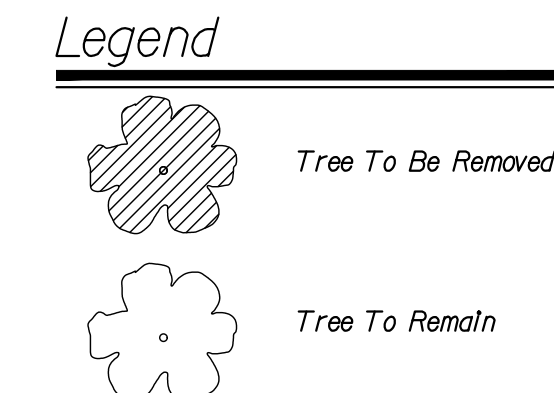
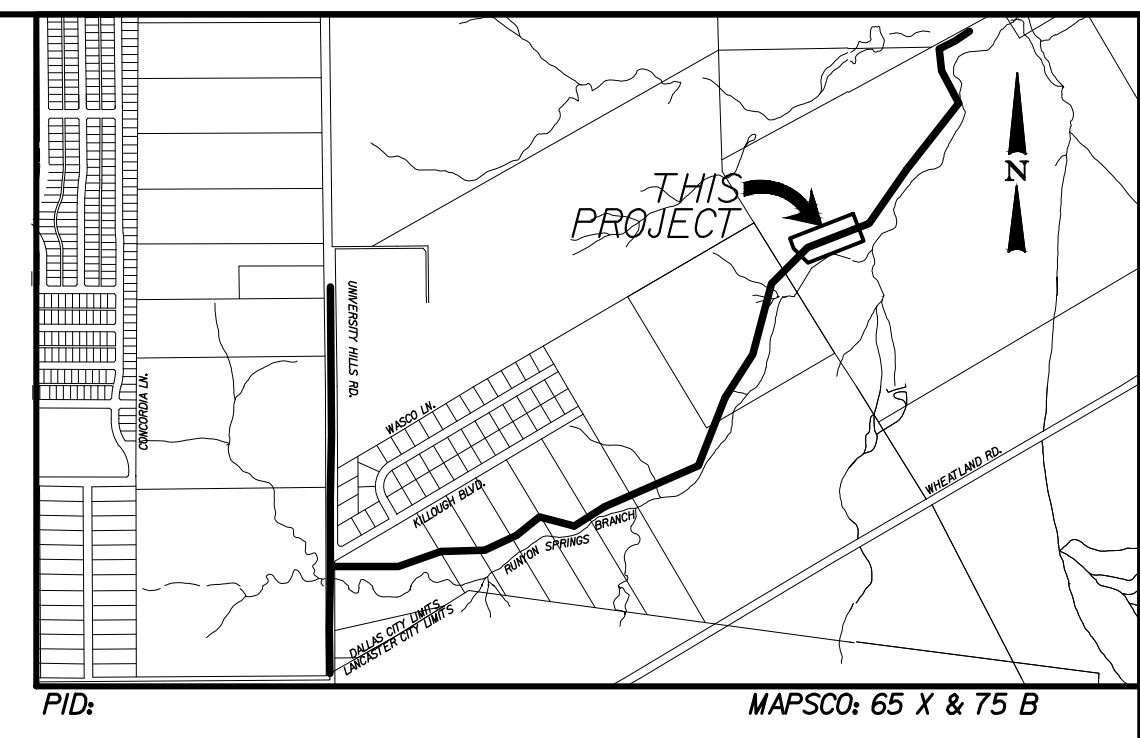
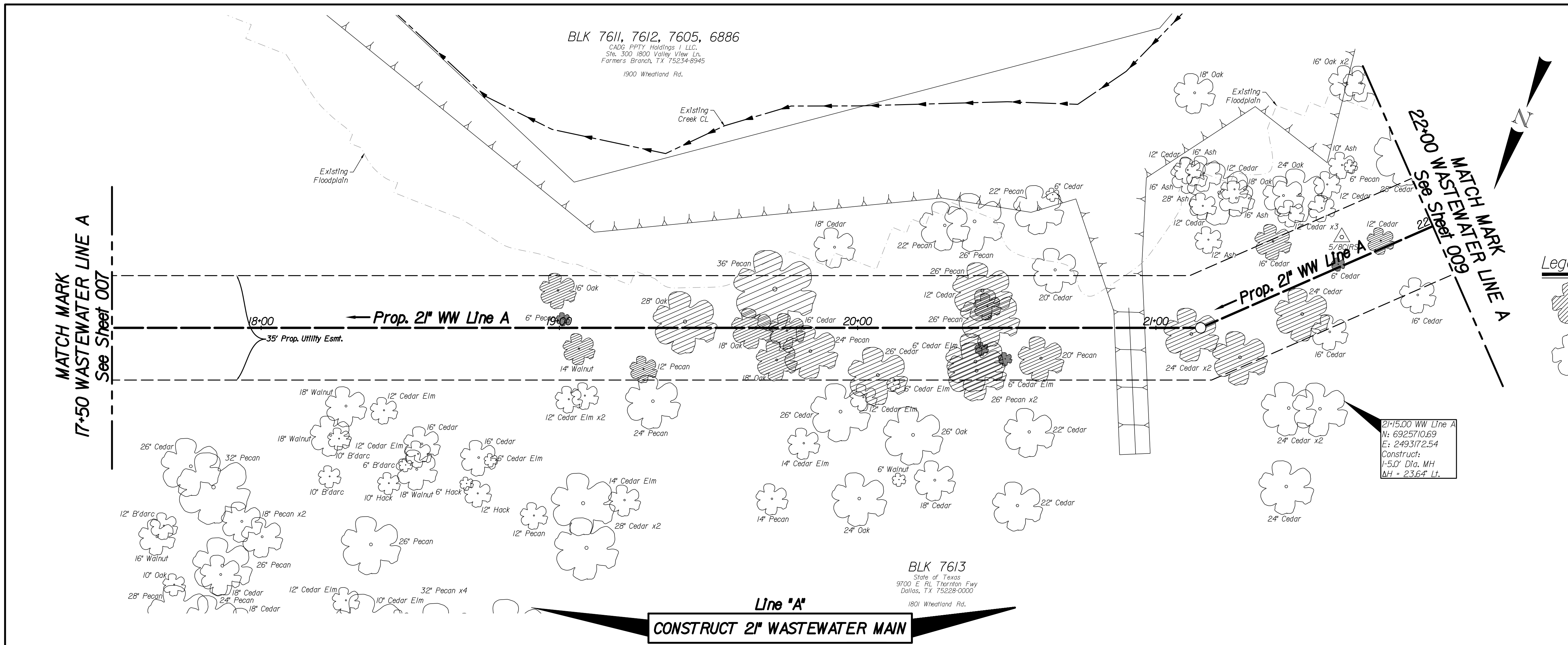
$Q_{design} = 4.436$ MGD
 $Q_{capacity} = 8.57$ MGD

$Q_{design} = 4.436$ MGD
 $Q_{capacity} = 8.57$ MGD

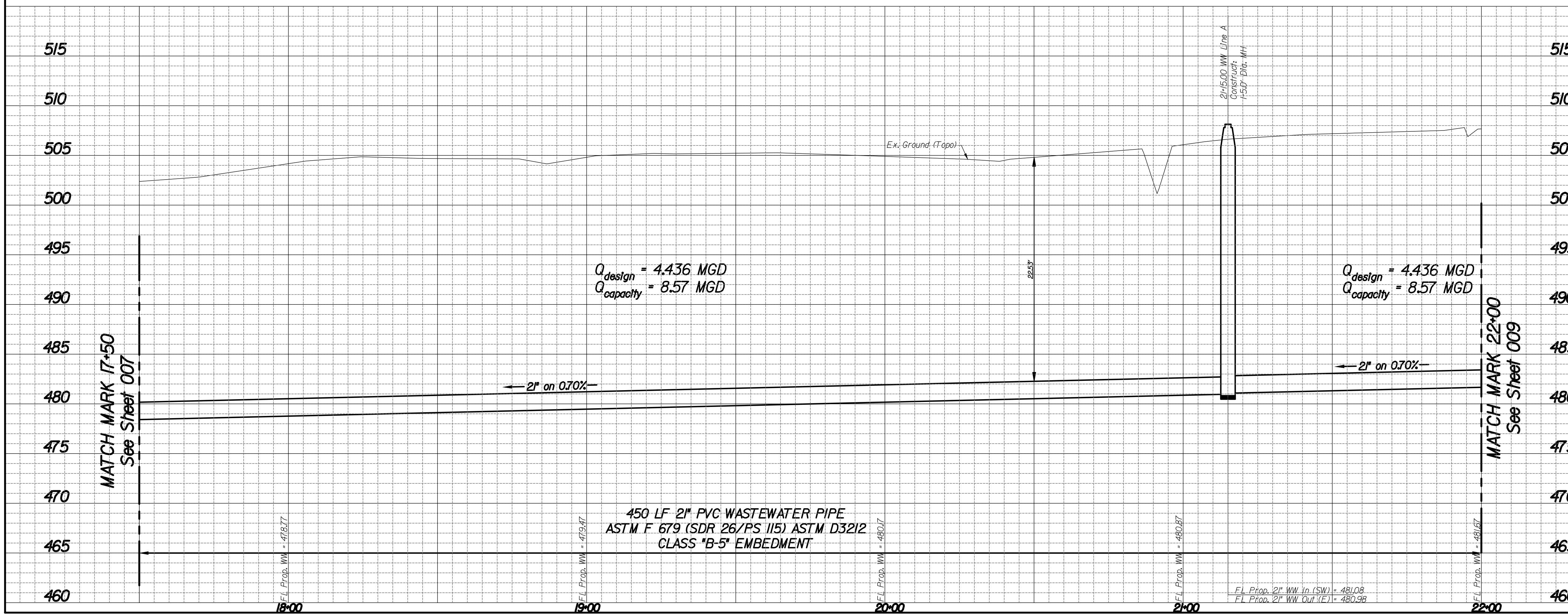
450 LF 2" PVC WASTEWATER PIPE
 ASTM F 679 (SDR 26/PS 115) ASTM D3212
 CLASS 'B-5' EMBEDMENT

FL Prop. 2" WW In (W) = 477.83
 FL Prop. 2" WW Out (N) = 477.73

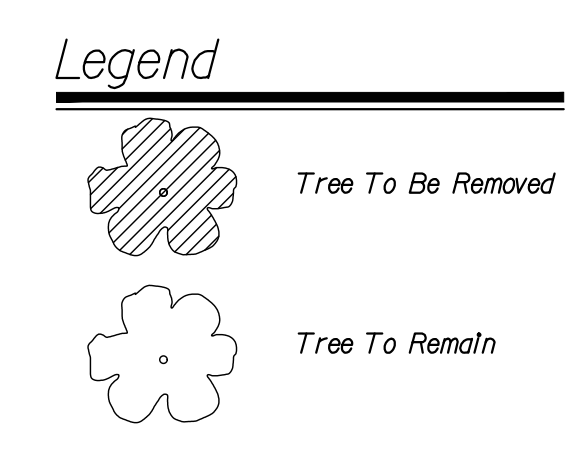
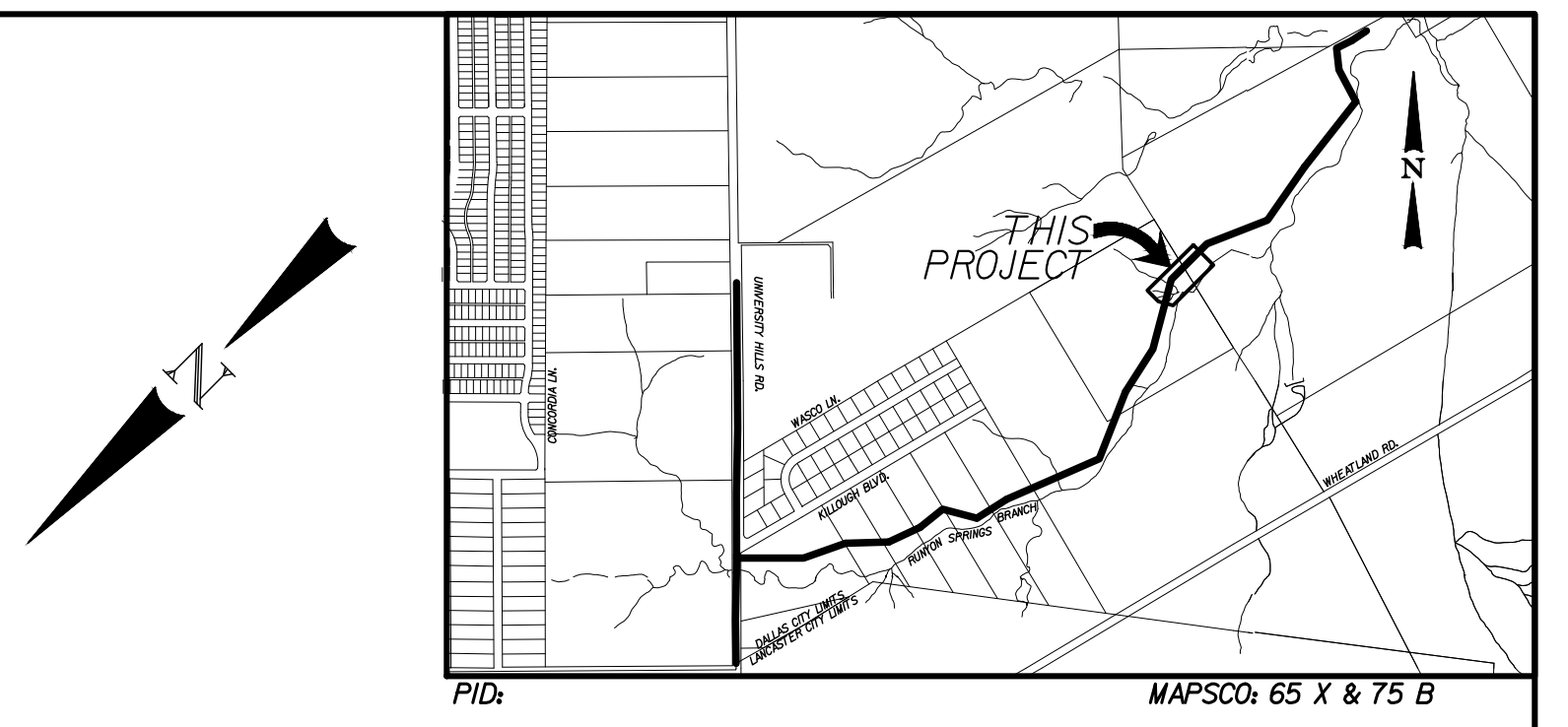
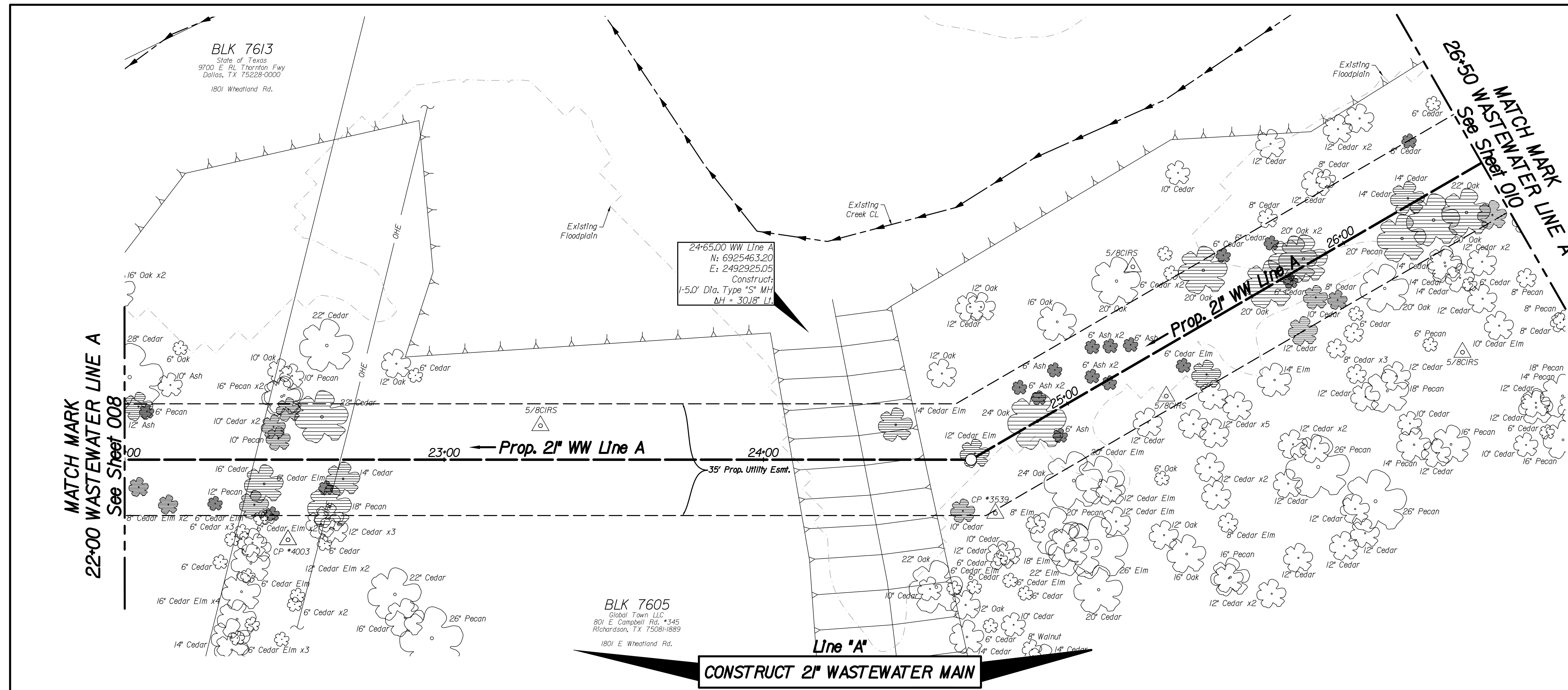
REVISIONS				
REV NO.	DATE	DESCRIPTION	BY	
BENCHMARKS & CONTROL POINTS				
BENCHMARK *2241 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection. ELEV = 571.652 MAPSCO 619				
BENCHMARK *2238 Std WDBM on the southeast corner of concrete storm sewer Inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd. ELEV = 622.366 MAPSCO F19				
CONTROL POINT *3889 5' Capped Iron Rod Set N. 6926302.089; E. 2494170.443; ELEV. = 490.225				
CONTROL POINT *3880 5' Capped Iron Rod Set N. 6926001.439; E. 2493544.73; ELEV. = 508.457				
Horizontal Scale: 1" = 20'				
Vertical Scale: 1" = 6'				
REFERENCES				
WATER 59-24W, 60-24W, 61-24W, 62-24W				
WASTEWATER 59-24S, 60-24S, 61-24S, 62-24S				
Kimley»Horn				
PID: 6504		CONTRACT NO. 20-505/506		
15", 18" & 2" WASTEWATER RUNYON SPRINGS BRANCH UNIVERSITY HILLS BLVD DALLAS WATER UTILITIES CITY OF DALLAS, TEXAS				
DESIGN	DRAWN	DATE	FILE	NUMBER
AKM	JDC	FEB 2021	41IQ	1791B 007



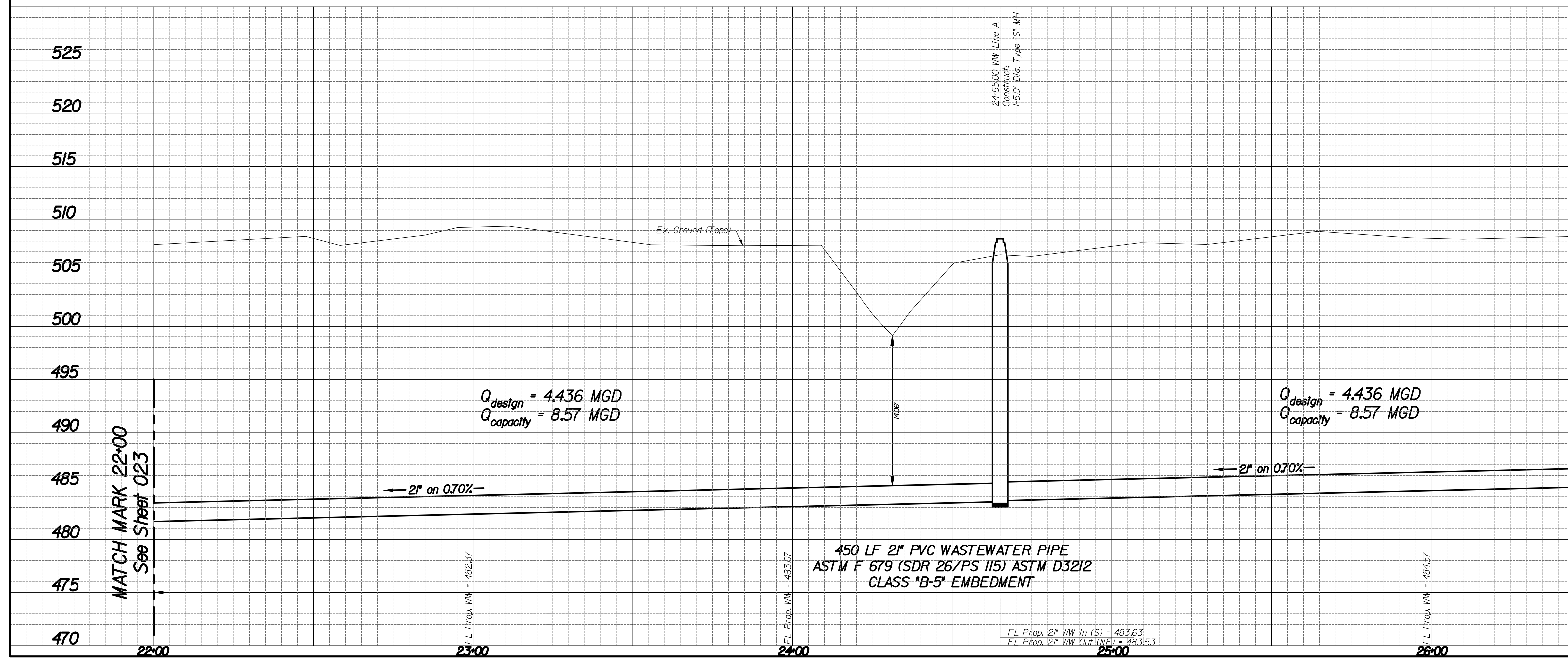
Notes:
 1. See Sheet 411Q-1791B Sh. 2 for General Notes.
 2. The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.



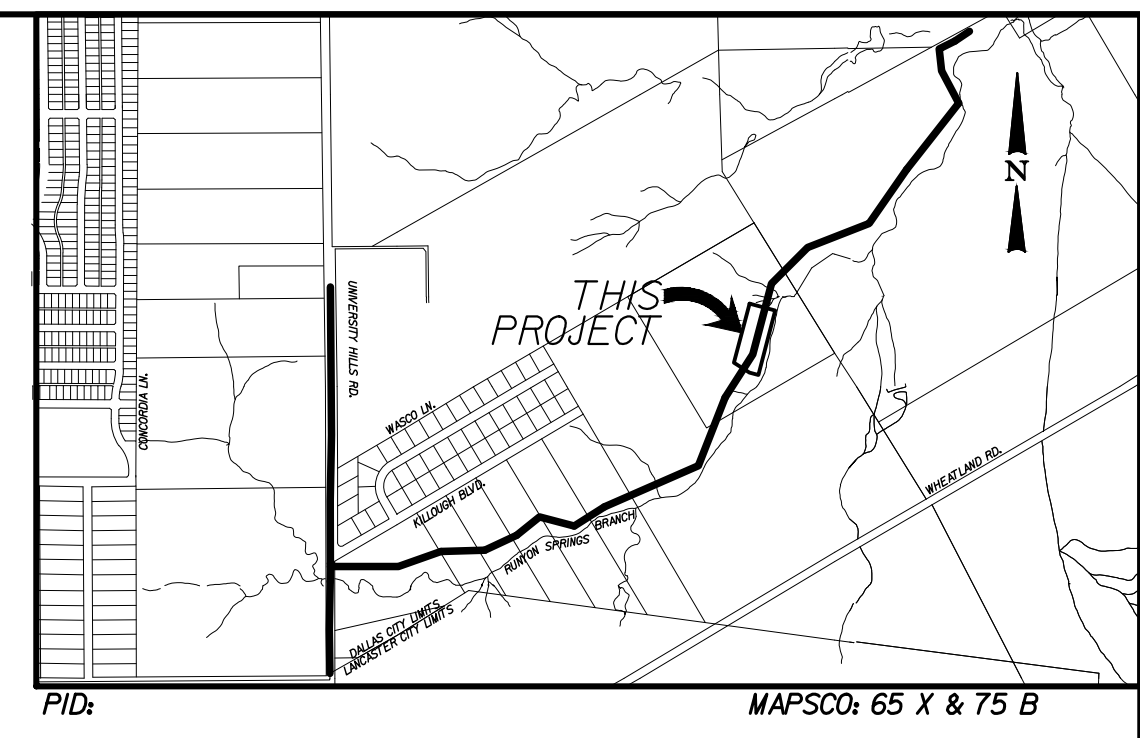
REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
BENCHMARKS & CONTROL POINTS			
BENCHMARK *2241 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection. ELEV = 571.652; MAPSCO 619			
BENCHMARK *2238 Std WDBM on the southeast corner of concrete storm sewer Inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd. ELEV = 622.366; MAPSCO F19			
CONTROL POINT *3880 3" Capped Iron Rod Set N. 6926001.439; E. 2493544.73; ELEV. = 508.457			
CONTROL POINT *4003 3" Capped Iron Rod Set N. 6925632.206; E. 2493058.534; ELEV. = 509.671			
Horizontal Scale: 1" = 20'			
Vertical Scale: 1" = 6'			
REFERENCES			
WATER 59-24W, 60-24W, 61-24W, 62-24W			
WASTEWATER 59-24S, 60-24S, 61-24S, 62-24S			
Kimley»Horn			
PID: 6504		CONTRACT NO. 20-505/506	
15", 18" & 21" WASTEWATER RUNYON SPRINGS BRANCH UNIVERSITY HILLS BLVD DALLAS WATER UTILITIES CITY OF DALLAS, TEXAS			
DESIGN	DRAWN	DATE	FILE
AKM	JDC	FEB 2021	411Q
			NUMBER
			1791B
			SHEET
			008



- Notes:**
1. See Sheet 41IQ-1791B Sh. 2 for General Notes.
 2. The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.

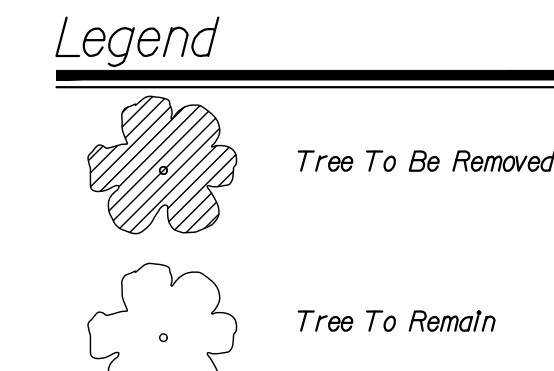
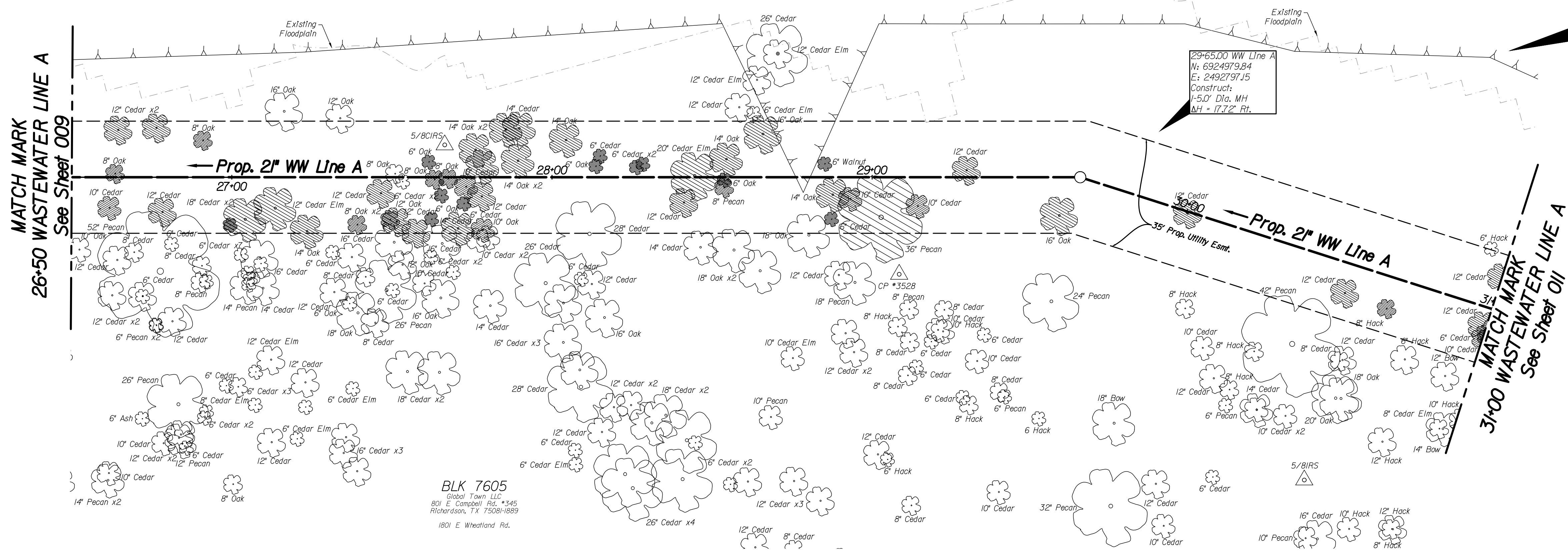


REVISIONS					
REV NO.	DATE	DESCRIPTION	BY		
BENCHMARKS & CONTROL POINTS					
BENCHMARK *2241					
Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection.					
ELEV = 571.652; MAPSCO 619					
BENCHMARK *2238					
Std WDBM on the southeast corner of concrete storm sewer inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd.					
ELEV = 622.366; MAPSCO F19					
CONTROL POINT *4003					
3" Capped Iron Rod Set					
N. 6925632.206; E. 2493058.534; ELEV. = 509.671					
CONTROL POINT *3539					
3" Capped Iron Rod Set					
N. 6925469.704; E. 2492907.769; ELEV. = 509.416					
Horizontal Scale: 1" = 20'					
Vertical Scale: 1" = 6'					
REFERENCES					
WATER					
59-24W, 60-24W, 61-24W, 62-24W					
WASTEWATER					
59-24S, 60-24S, 61-24S, 62-24S					
Kimley»Horn					
PID: 6504		CONTRACT NO. 20-505/506			
15", 18" & 21" WASTEWATER RUNYON SPRINGS BRANCH UNIVERSITY HILLS BLVD DALLAS WATER UTILITIES CITY OF DALLAS, TEXAS					
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	41IQ	1791B	009



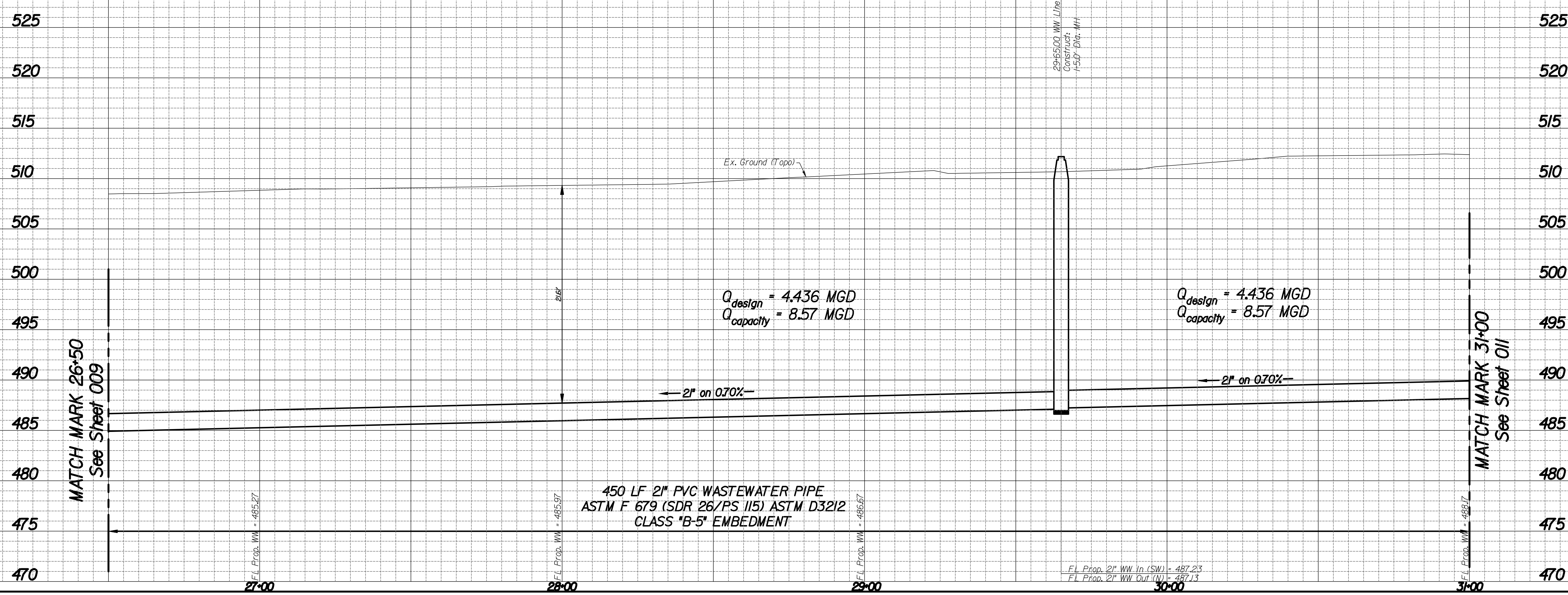
PID: MAPSCO: 65 X & 75 B

MATCH MARK 26+50 WASTEWATER LINE A
See Sheet 009



Notes:
 1. See Sheet 411Q-1791B Sh. 2 for General Notes.
 2. The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.

CONSTRUCT 2" WASTEWATER MAIN



REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

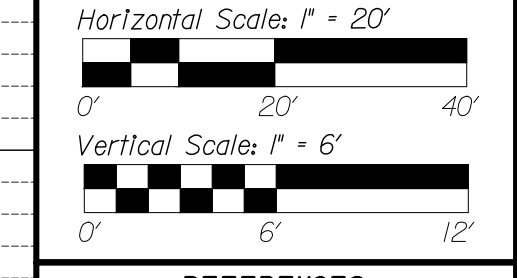
BENCHMARKS & CONTROL POINTS

BENCHMARK *2241
 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection.
 ELEV = 571.652 MAPSCO 619

BENCHMARK *2238
 Sid WDBM on the southeast corner of concrete storm sewer Inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd.
 ELEV = 622.366 MAPSCO F19

CONTROL POINT *3539
 3" Capped Iron Rod Set
 N. 6925469704; E. 2492907769; ELEV. = 509.42

CONTROL POINT *3528
 3" Capped Iron Rod Set
 N. 6925042250; E. 2492782330; ELEV. = 511.5



REFERENCES

WATER
 59-24W, 60-24W, 61-24W, 62-24W

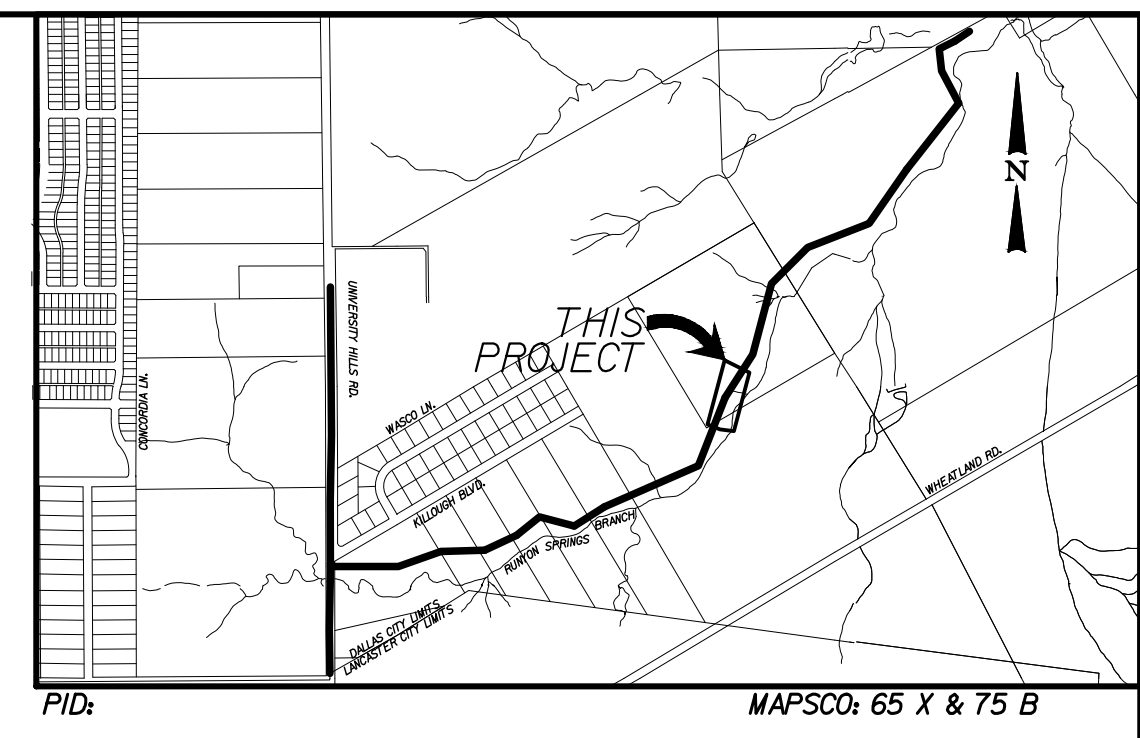
WASTEWATER
 59-24S, 60-24S, 61-24S, 62-24S

Kimley-Horn

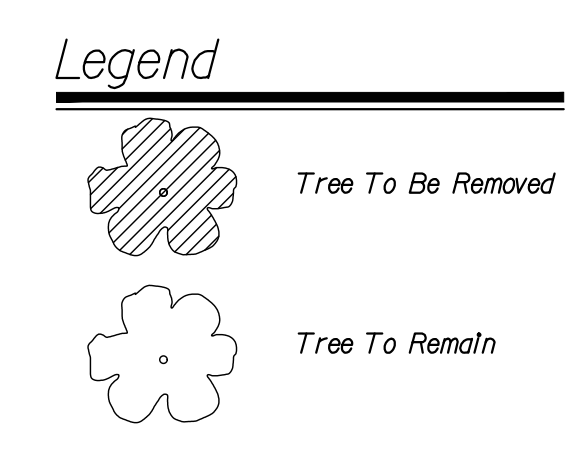
PID: 6504 CONTRACT NO. 20-505/506

15", 18" & 21" WASTEWATER
 RUNYON SPRINGS BRANCH
 UNIVERSITY HILLS BLVD
 DALLAS WATER UTILITIES
 CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	411Q	1791B	010

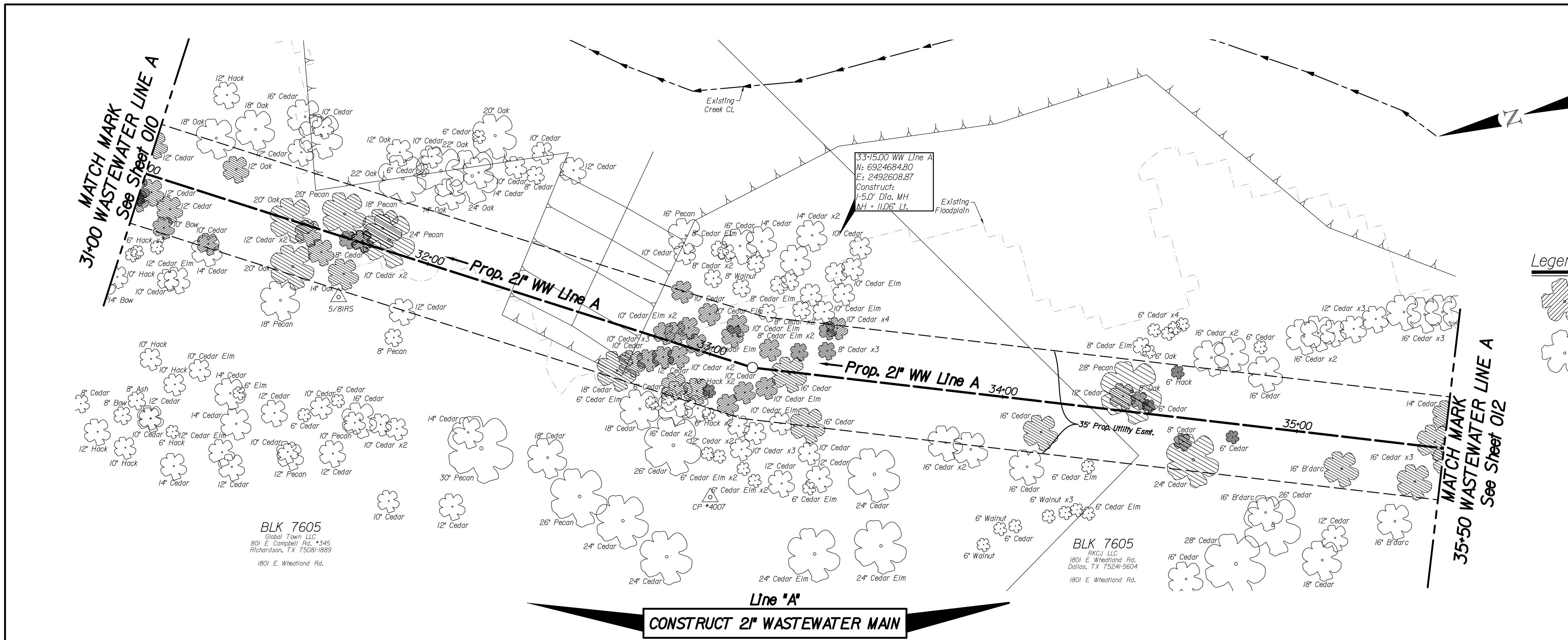


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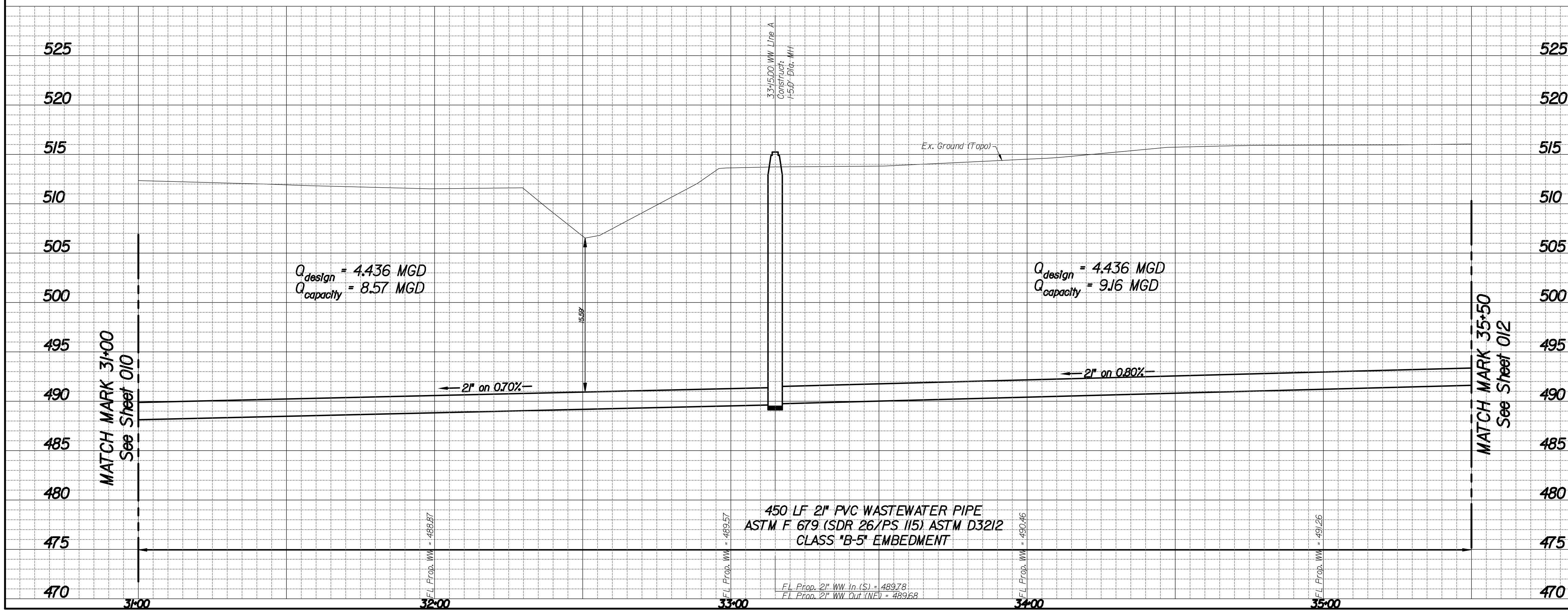


Notes:

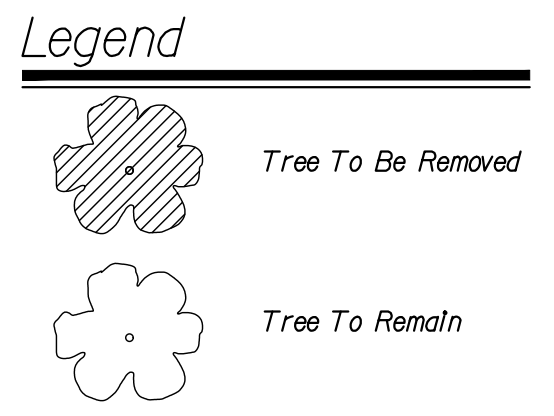
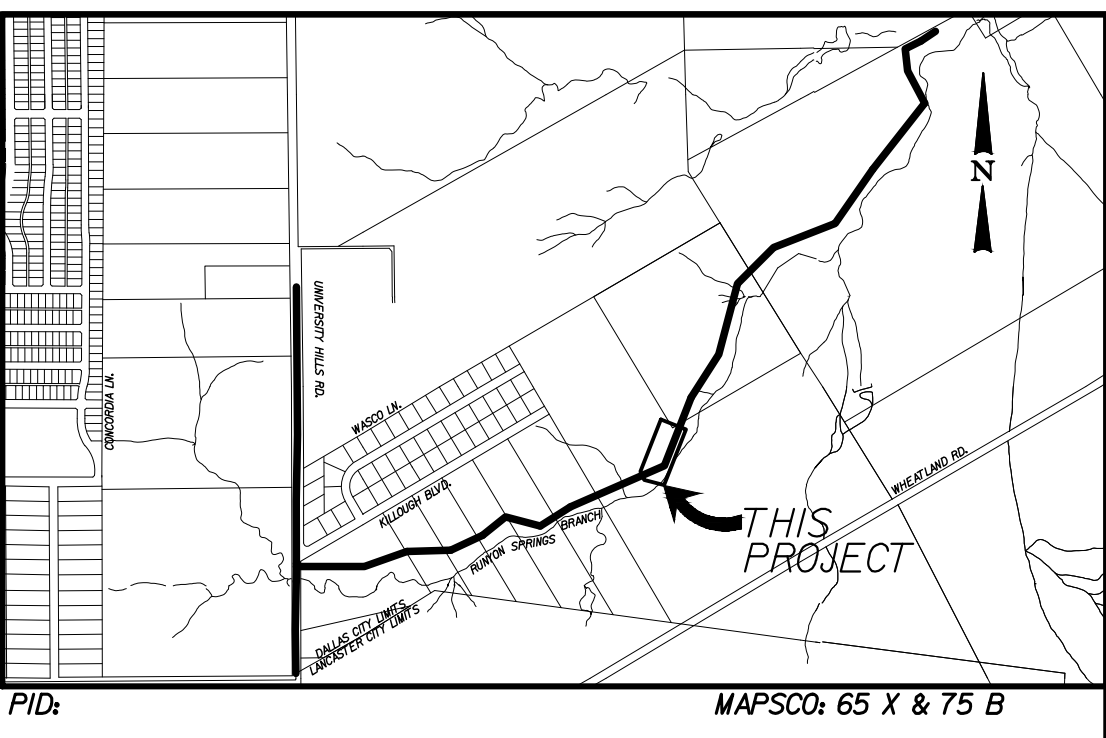
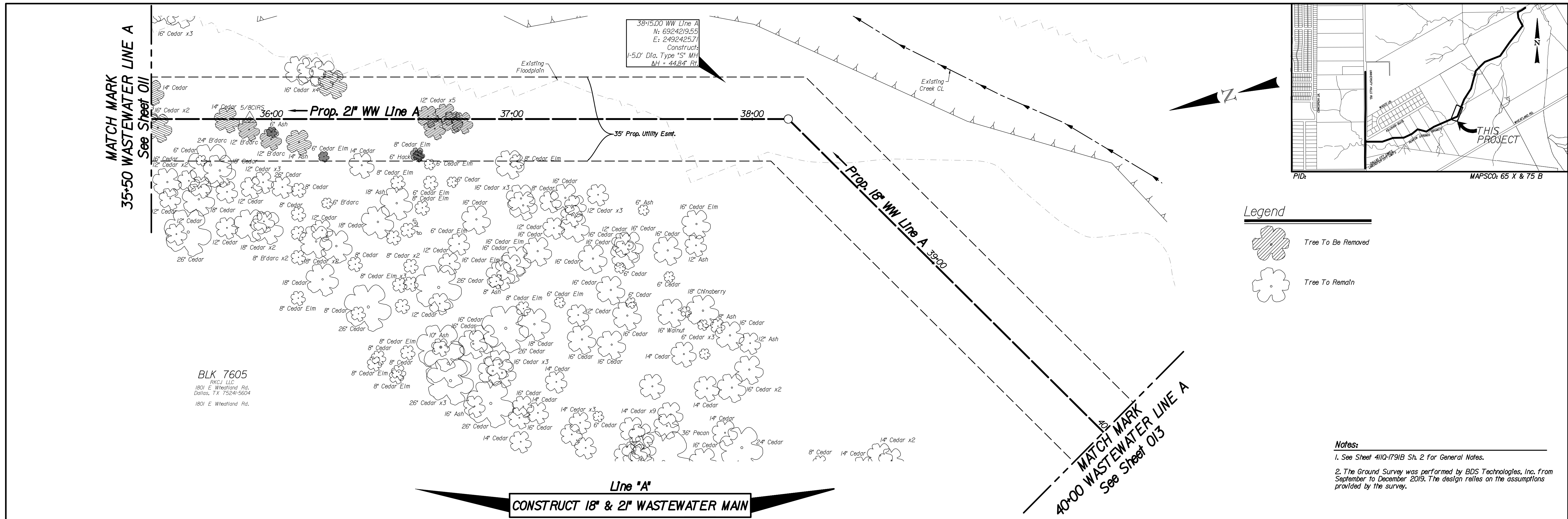
- See Sheet 41IQ-1791B Sh. 2 for General Notes.
- The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.



CONSTRUCT 2" WASTEWATER MAIN

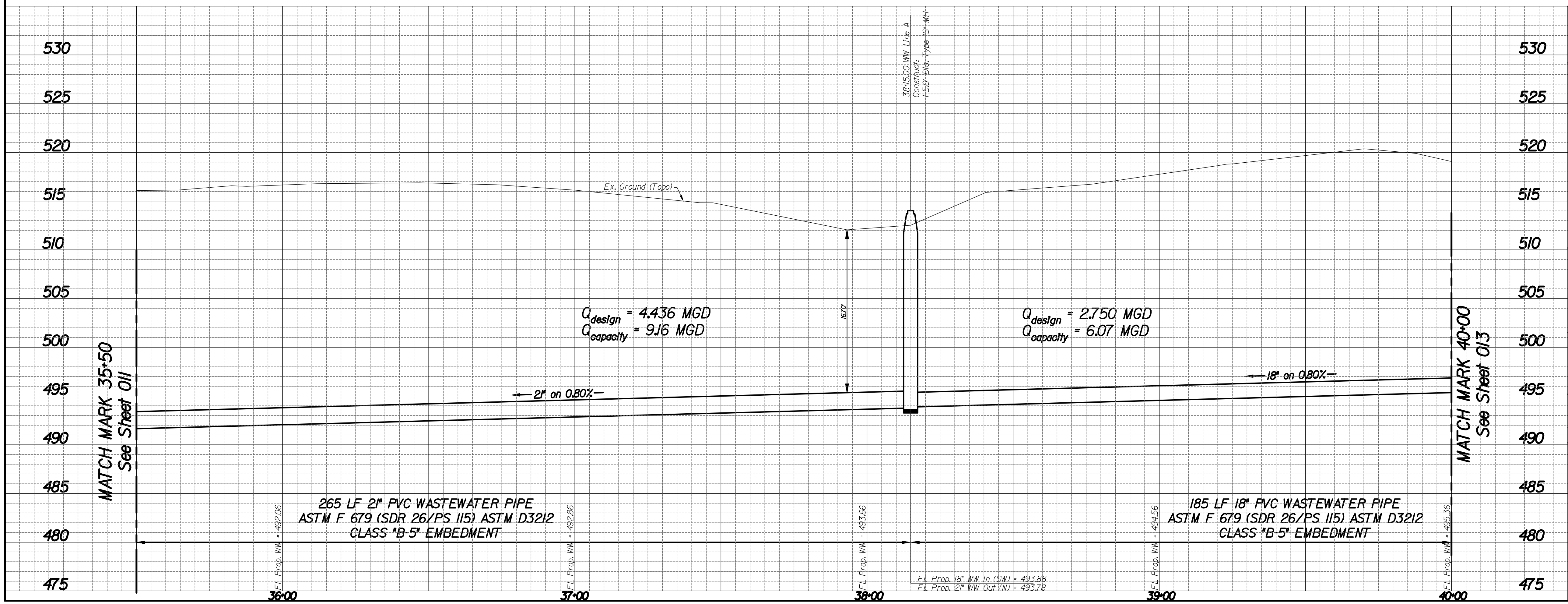


REVISIONS					
REV NO.	DATE	DESCRIPTION	BY		
BENCHMARKS & CONTROL POINTS					
BENCHMARK *2241 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection. ELEV. = 571.652 MAPSCO 619					
BENCHMARK *2238 Std WDBM on the southeast corner of concrete storm sewer Inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 Feet east of Willoughby Blvd. ELEV. = 622.366 MAPSCO F19					
CONTROL POINT *3528 3" Capped Iron Rod Set N. 6925042.250; E. 2492782.330; ELEV. = 511.15					
CONTROL POINT *4007 3" Capped Iron Rod Set N. 6924709.774; E. 2492570.196; ELEV. = 514.80					
Horizontal Scale: 1" = 20'					
Vertical Scale: 1" = 6'					
REFERENCES					
WATER 59-24W, 60-24W, 61-24W, 62-24W					
WASTEWATER 59-24S, 60-24S, 61-24S, 62-24S					
Kimley»Horn					
PID: 6504		CONTRACT NO. 20-505/506			
15", 18" & 21" WASTEWATER					
RUNYON SPRINGS BRANCH					
UNIVERSITY HILLS BLVD					
DALLAS WATER UTILITIES					
CITY OF DALLAS, TEXAS					
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	41IQ	1791B	011

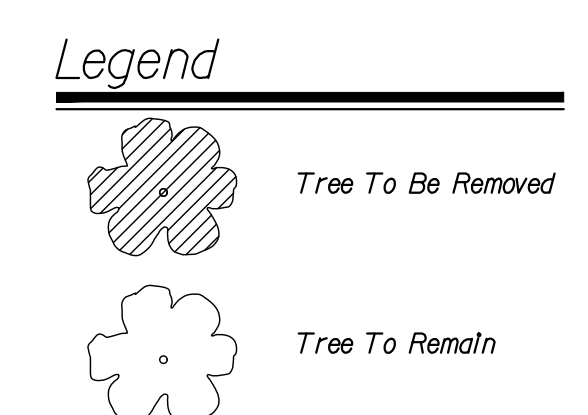
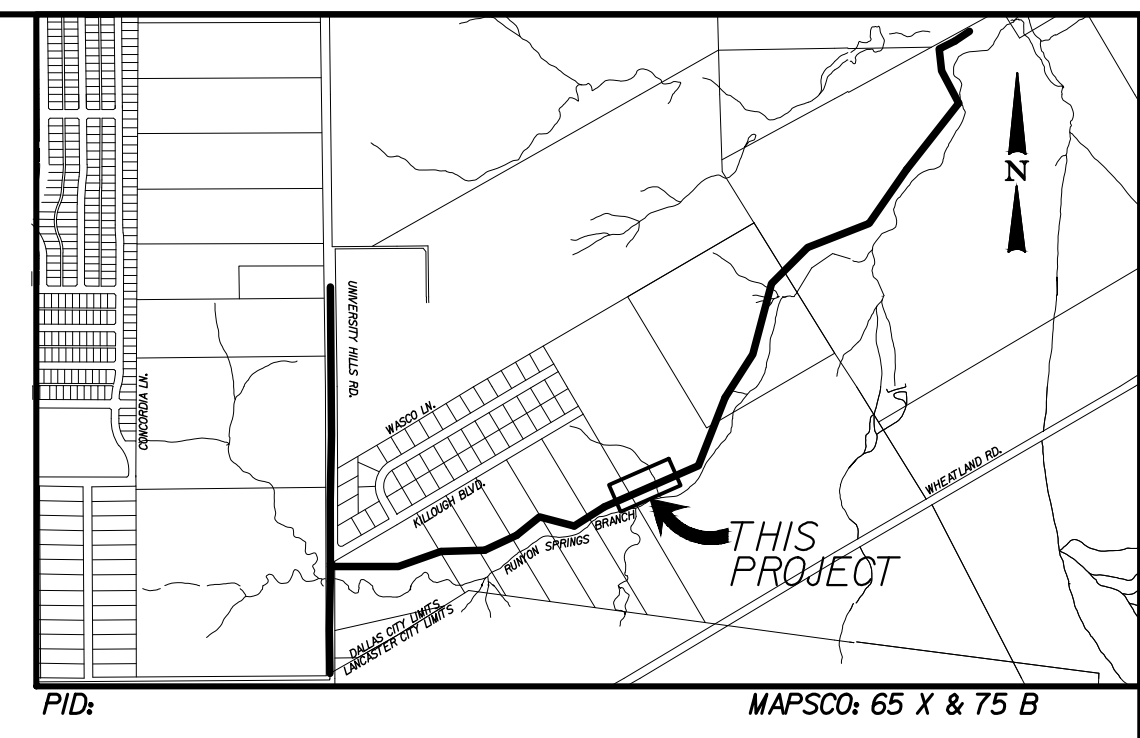
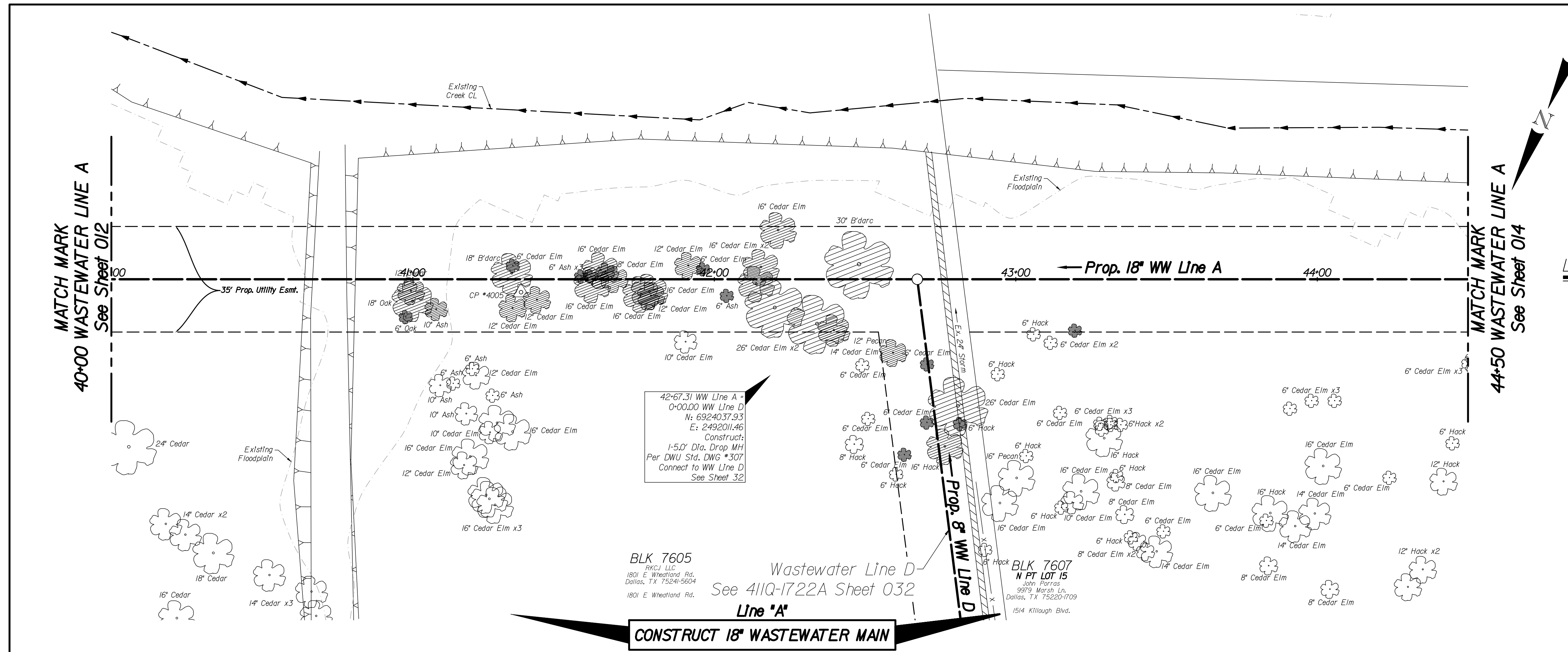


Notes:

- See Sheet 41Q-1791B Sh. 2 for General Notes.
- The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.

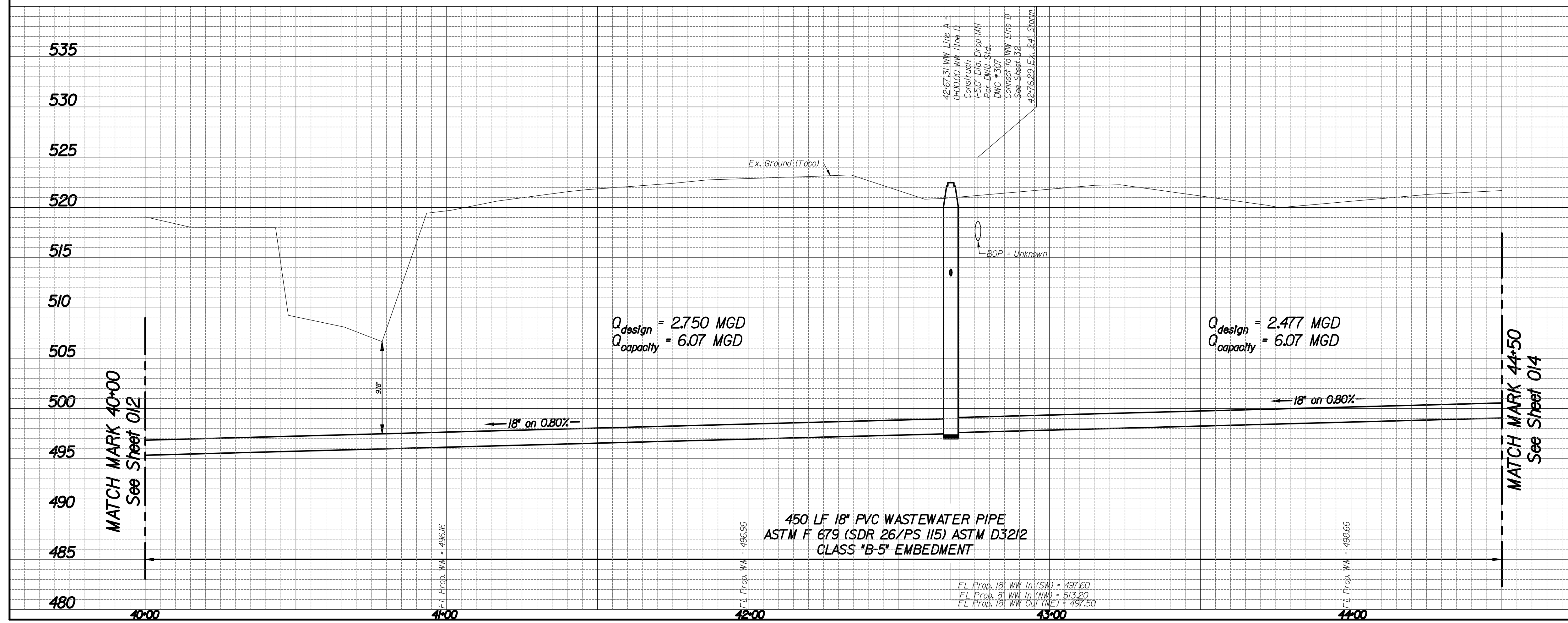


REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
BENCHMARKS & CONTROL POINTS			
BENCHMARK *2241 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection. ELEV = 571.652 MAPSCO 619			
BENCHMARK *2238 Std WDBM on the southeast corner of concrete storm sewer Inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd. ELEV = 622.366 MAPSCO F19			
CONTROL POINT *3528 3" Capped Iron Rod Set N. 6925042.250; E. 2492782.330; ELEV. = 511.5			
CONTROL POINT *4007 3" Capped Iron Rod Set N. 6924709.774; E. 2492570.196; ELEV. = 514.80			
Horizontal Scale: 1" = 20'			
Vertical Scale: 1" = 6'			
REFERENCES			
WATER 59-24W, 60-24W, 61-24W, 62-24W			
WASTEWATER 59-24S, 60-24S, 61-24S, 62-24S			
Kimley»Horn			
PID: 6504		CONTRACT NO. 20-505/506	
15", 18" & 2" WASTEWATER RUNYON SPRINGS BRANCH UNIVERSITY HILLS BLVD DALLAS WATER UTILITIES CITY OF DALLAS, TEXAS			
DESIGN	DRAWN	DATE	FILE
AKM	JDC	FEB 2021	41Q
			NUMBER
			1791B
			SHEET
			012

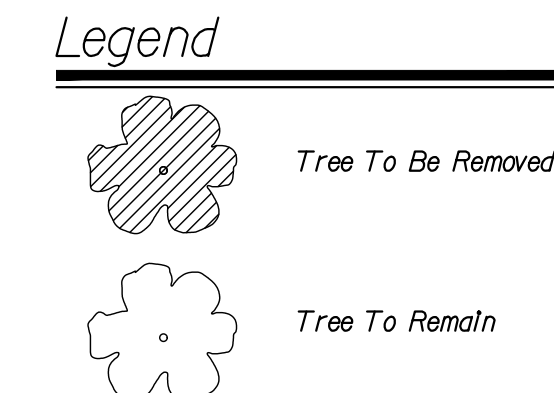
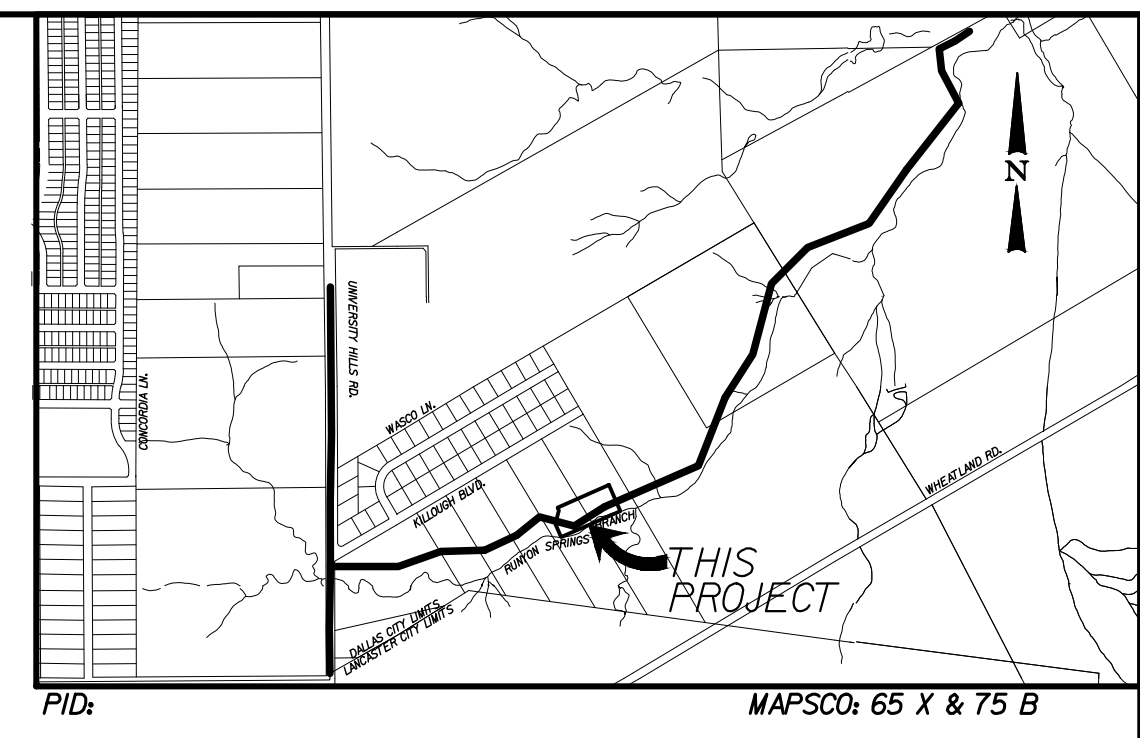
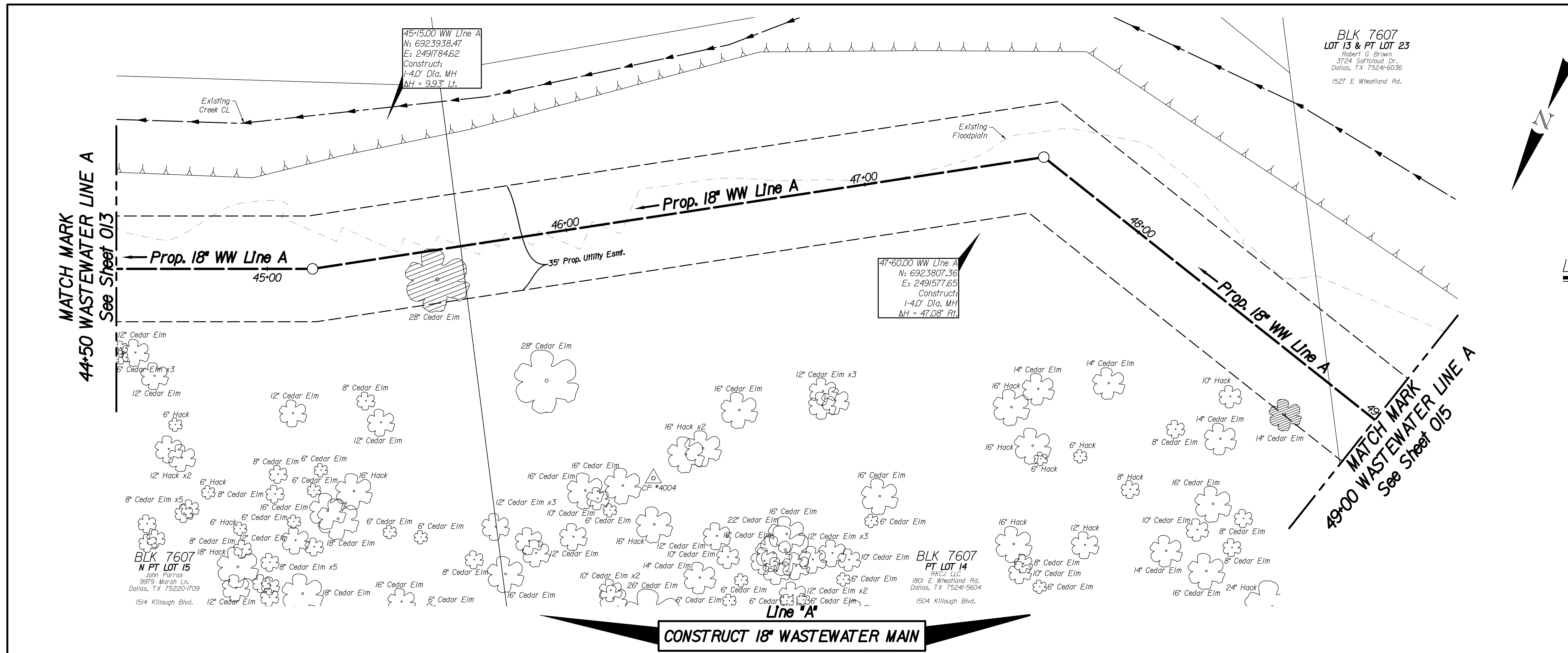


Notes:

- See Sheet 41Q-1791B Sh. 2 for General Notes.
- The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.

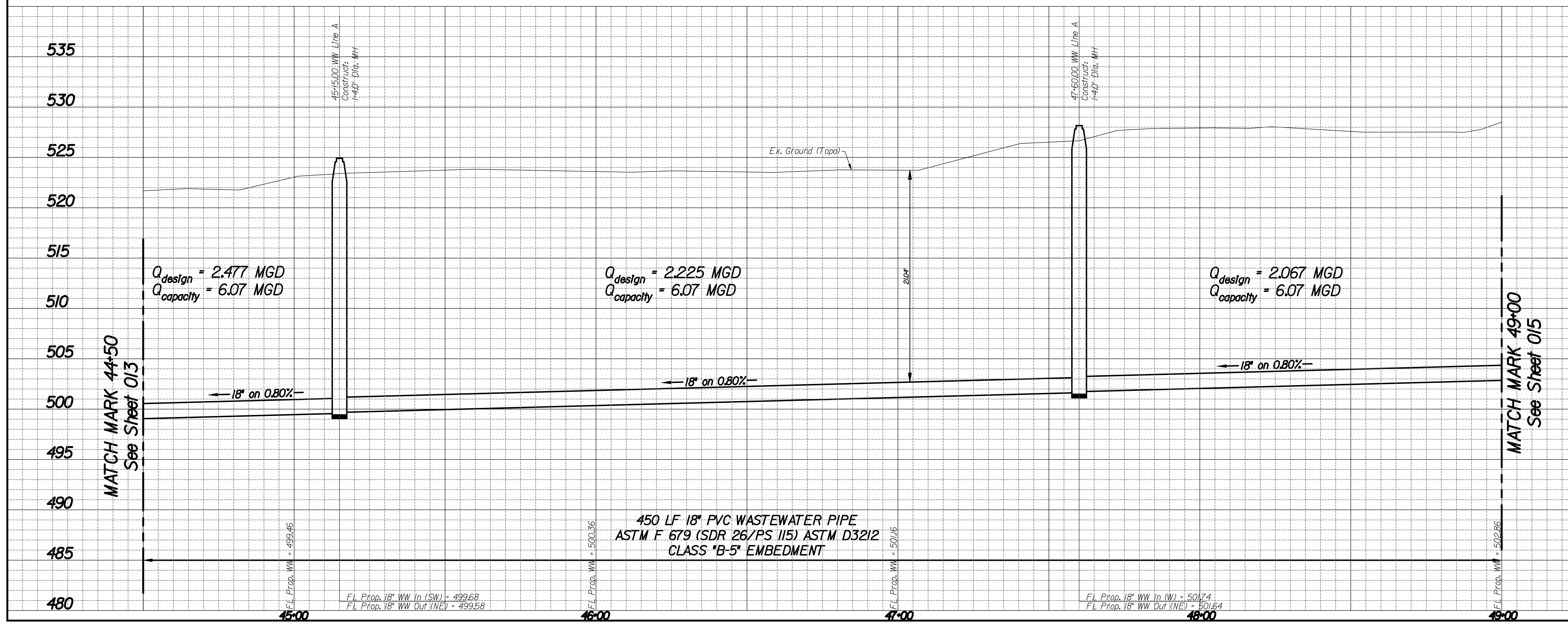


REVISIONS					
REV NO.	DATE	DESCRIPTION	BY		
BENCHMARKS & CONTROL POINTS					
BENCHMARK *2241 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection. ELEV = 571652; MAPSCO 019					
BENCHMARK *2238 Std WDBM on the southeast corner of concrete storm sewer Inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd. ELEV = 622.366; MAPSCO F19					
CONTROL POINT *4007 3' Copper Iron Rod Set N. 69247093774; E. 2492570196; ELEV. = 514.80					
CONTROL POINT *4005 3' Copper Iron Rod Set N. 6924094626; E. 249230100; ELEV. = 521.757					
Horizontal Scale: 1" = 20'					
Vertical Scale: 1" = 6'					
REFERENCES					
WATER 59-24W, 60-24W, 61-24W, 62-24W					
WASTEWATER 59-24S, 60-24S, 61-24S, 62-24S					
Kimley»Horn					
PID: 6504		CONTRACT NO. 20-505/506			
15", 18" & 21" WASTEWATER RUNYON SPRINGS BRANCH UNIVERSITY HILLS BLVD DALLAS WATER UTILITIES CITY OF DALLAS, TEXAS					
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	41Q	1791B	013

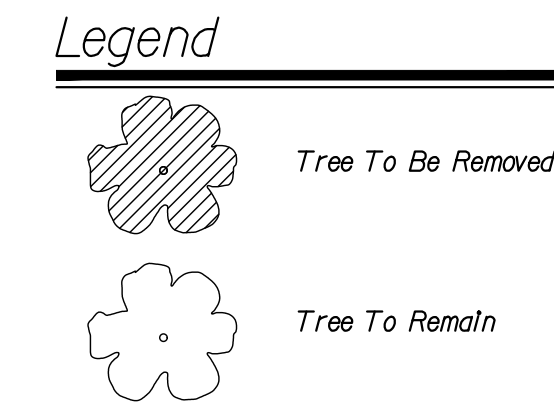
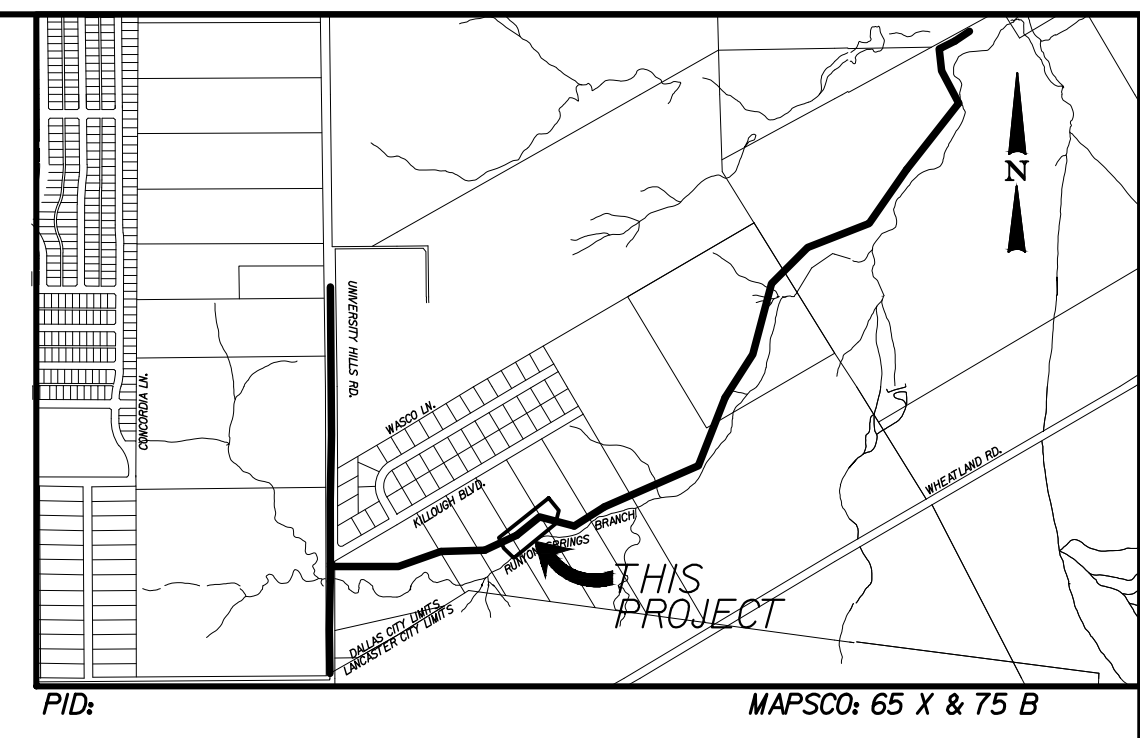
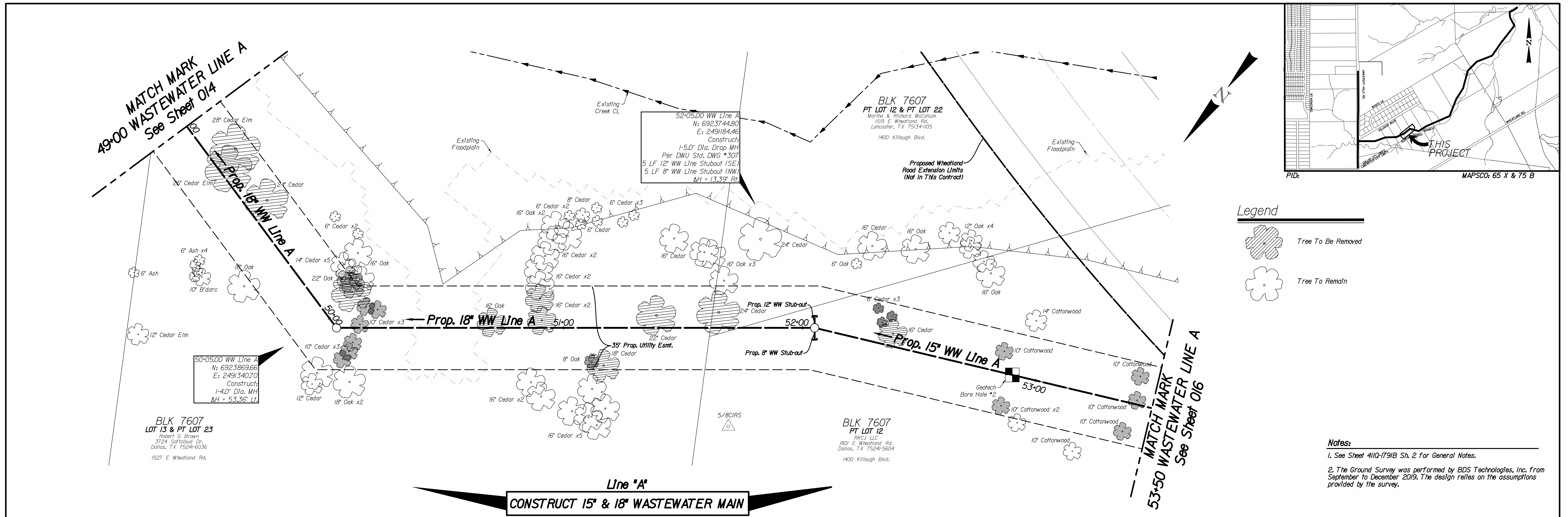


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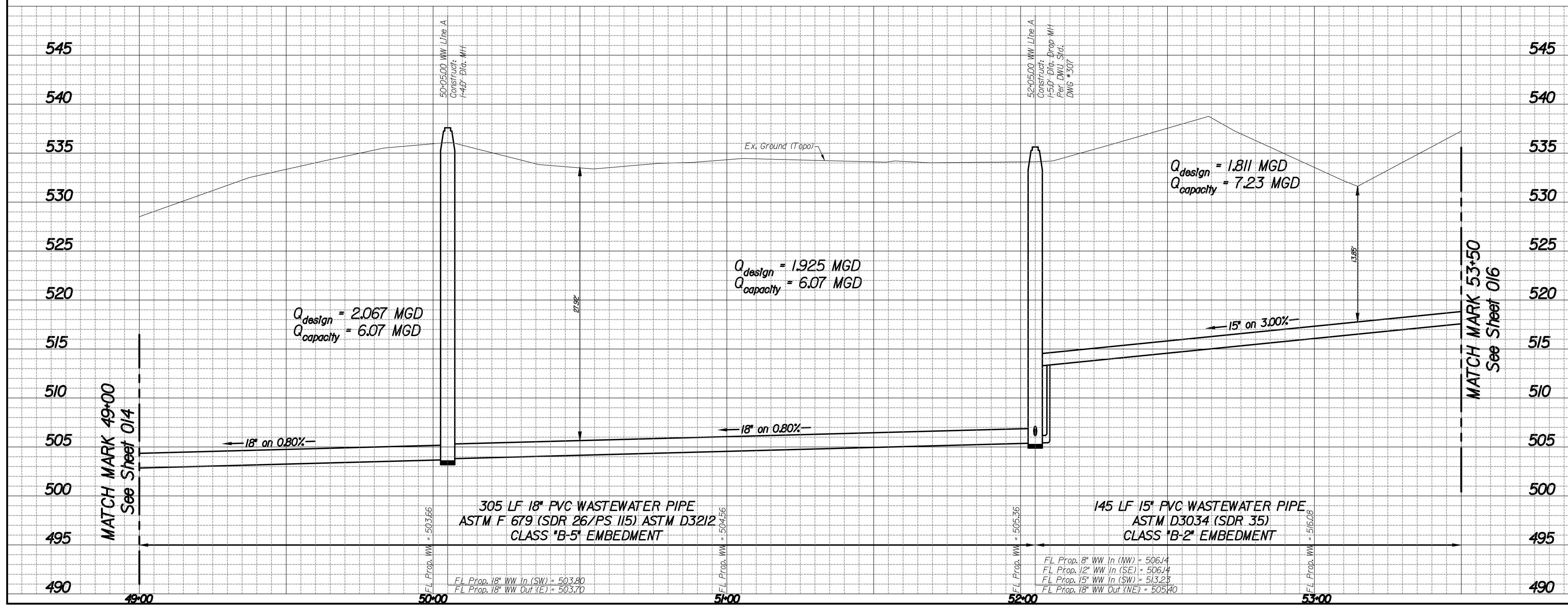
- See Sheet 41IQ-1791B Sh. 2 for General Notes.
- The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.



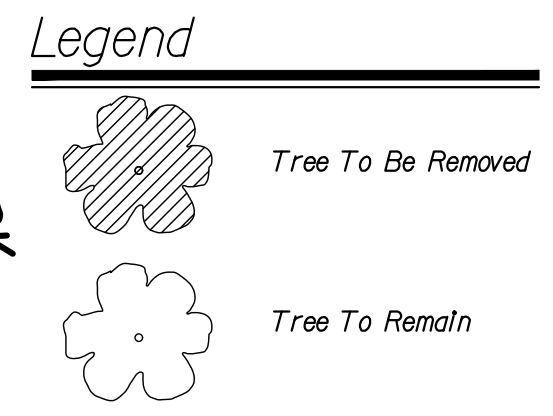
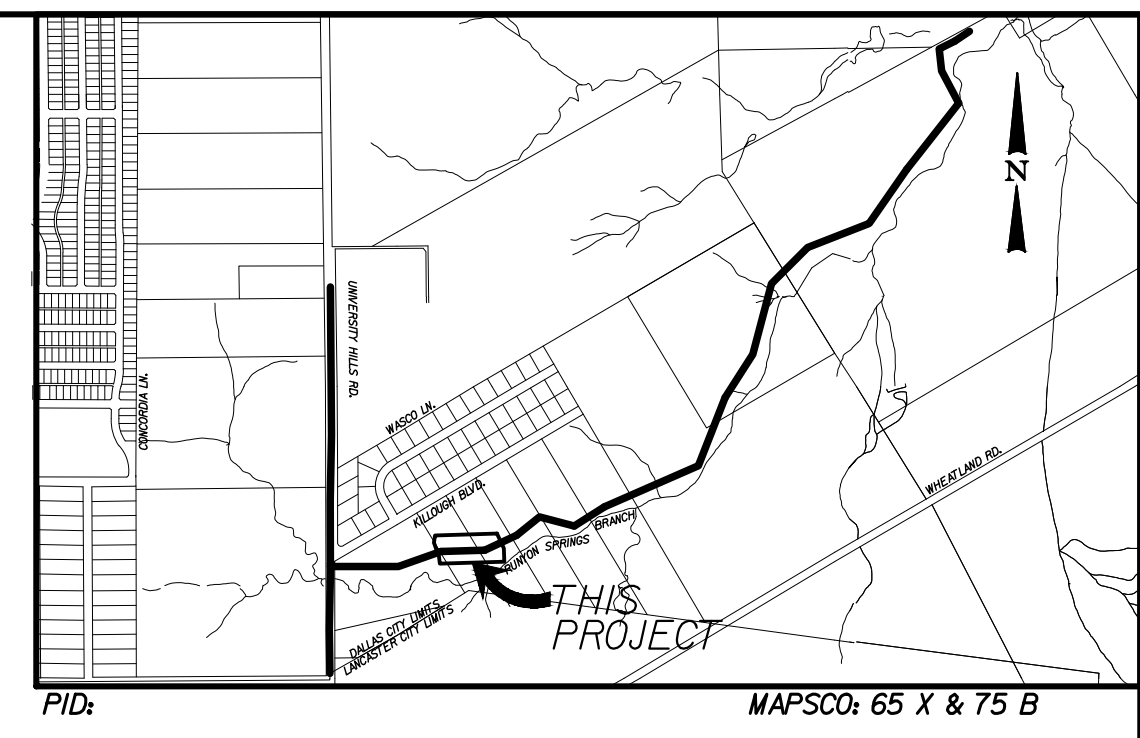
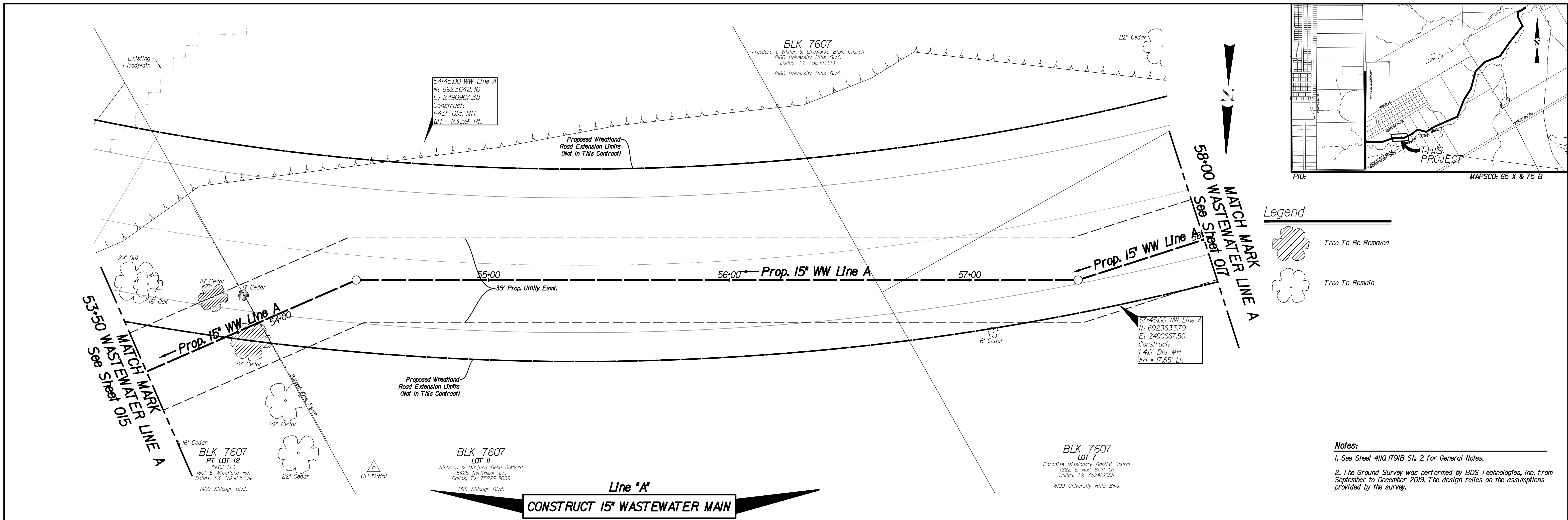
REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
BENCHMARKS & CONTROL POINTS			
BENCHMARK *2241 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection. ELEV = 571.652 MAPSCO 619			
BENCHMARK *2238 Std WDBM on the southeast corner of concrete storm sewer Inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd. ELEV = 622.366 MAPSCO F19			
CONTROL POINT *4005 3\"/>			
CONTROL POINT *4004 3\"/>			
CONTROL POINT *4003 3\"/>			
CONTROL POINT *4002 3\"/>			
CONTROL POINT *4001 3\"/>			
Horizontal Scale: 1" = 20' 			
REFERENCES WATER 59-24W, 60-24W, 61-24W, 62-24W WASTEWATER 59-24S, 60-24S, 61-24S, 62-24S			
Kimley»Horn			
PID: 6504		CONTRACT NO. 20-505/506	
15", 18" & 21" WASTEWATER			
RUNYON SPRINGS BRANCH			
UNIVERSITY HILLS BLVD			
DALLAS WATER UTILITIES			
CITY OF DALLAS, TEXAS			
DESIGN	DRAWN	DATE	FILE
AKM	JDC	FEB 2021	41IQ
NUMBER	SHEET		
1791B	014		



Notes:
 1. See Sheet 411Q-1791B Sh. 2 for General Notes.
 2. The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.

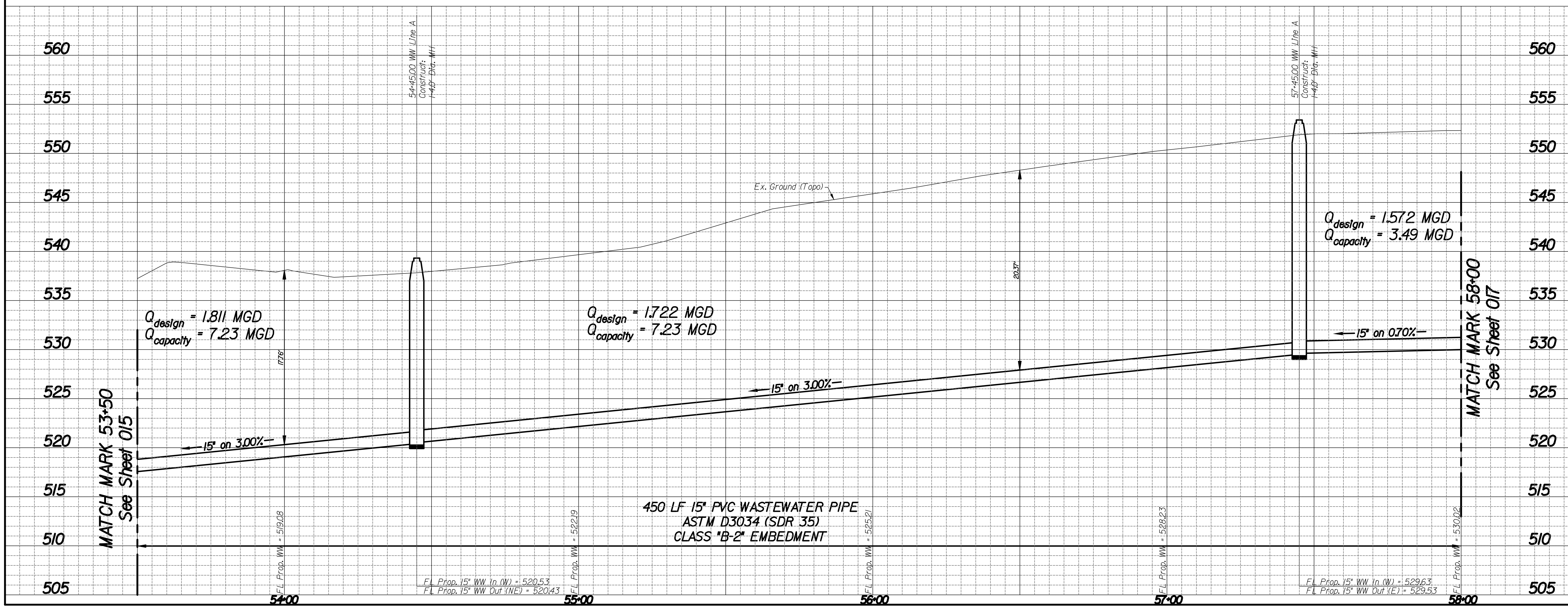


REVISIONS					
REV NO.	DATE	DESCRIPTION	BY		
BENCHMARKS & CONTROL POINTS					
BENCHMARK *2241 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection. ELEV = 571.652; MAPSCO 019					
BENCHMARK *2238 Std WDBM on the southeast corner of concrete storm sewer Inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd. ELEV = 622.366; MAPSCO F19					
CONTROL POINT *4005 3\"/>					
CONTROL POINT *4004 3\"/>					
Horizontal Scale: 1" = 20'					
Vertical Scale: 1" = 6'					
REFERENCES					
WATER 59-24W, 60-24W, 61-24W, 62-24W					
WASTEWATER 59-24S, 60-24S, 61-24S, 62-24S					
Kimley»Horn					
PID: 6504		CONTRACT NO. 20-505/506			
15", 18" & 21" WASTEWATER RUNYON SPRINGS BRANCH UNIVERSITY HILLS BLVD DALLAS WATER UTILITIES CITY OF DALLAS, TEXAS					
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	411Q	1791B	015

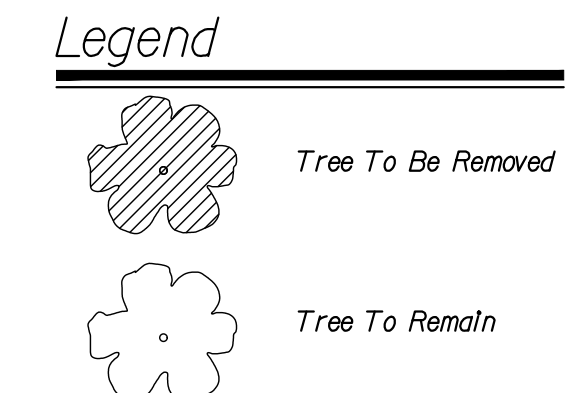
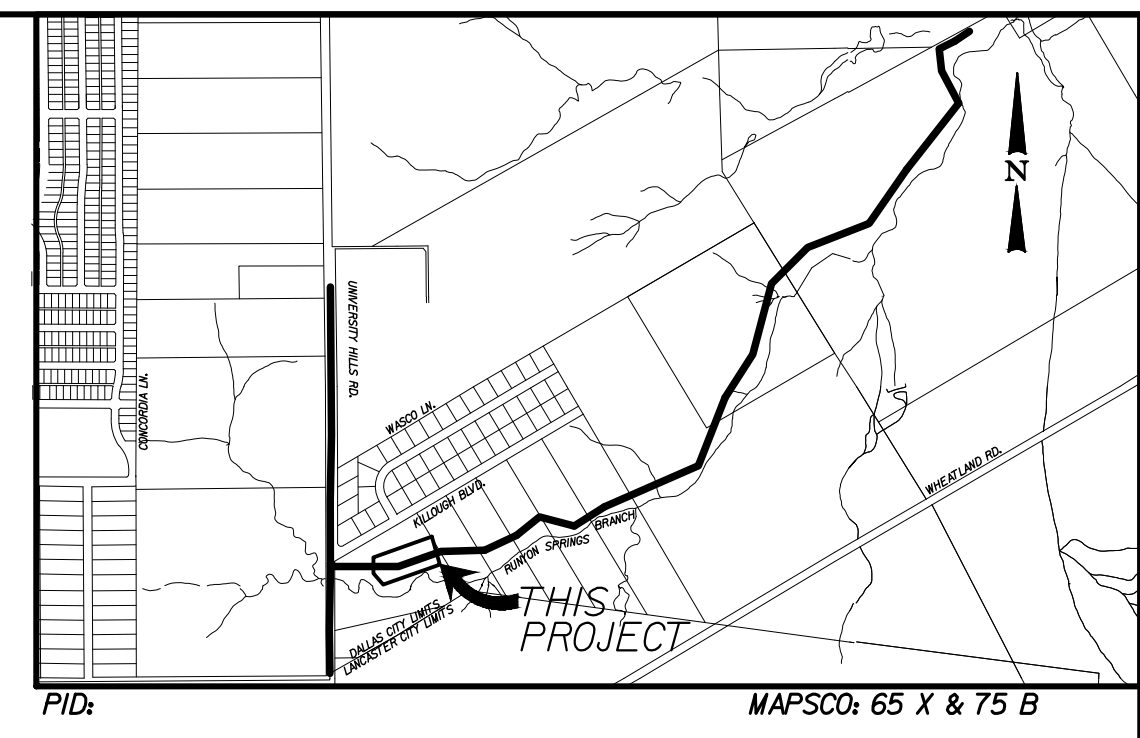
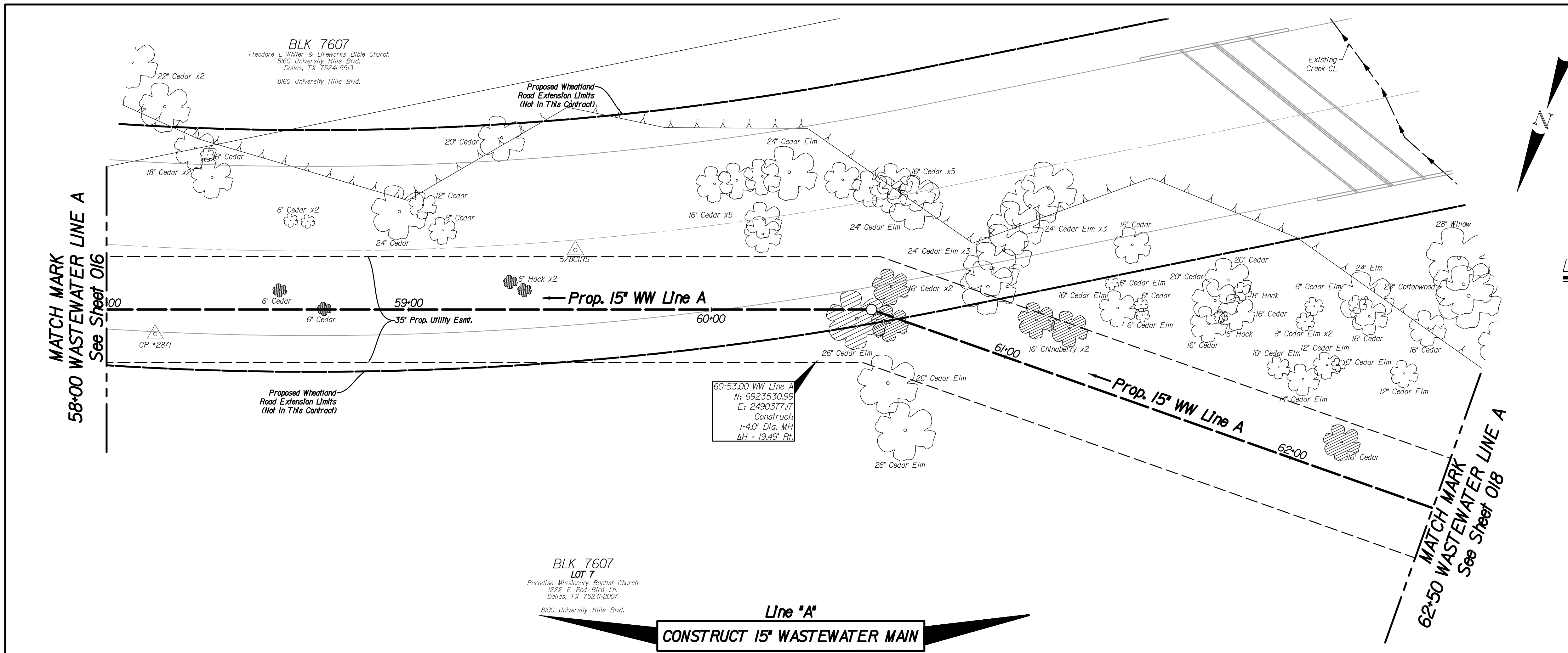


Notes:

- See Sheet 41IQ-1791B Sh. 2 for General Notes.
- The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.



REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
BENCHMARKS & CONTROL POINTS			
BENCHMARK *2241 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection. ELEV = 571.652 MAPSCO 619			
BENCHMARK *2238 Std WDBM on the southeast corner of concrete storm sewer Inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 Feet east of Willoughby Blvd. ELEV = 622.366 MAPSCO F19			
CONTROL POINT *4004 3" Capped Iron Rod Set N. 6923956.609; E. 2491653.404; ELEV. = 539.64			
CONTROL POINT *2851 3" Capped Iron Rod Set N. 6923720.262; E. 2490957.842; ELEV. = 541.61			
Horizontal Scale: 1" = 20'			
Vertical Scale: 1" = 6'			
REFERENCES			
WATER 59-24W, 60-24W, 61-24W, 62-24W			
WASTEWATER 59-24S, 60-24S, 61-24S, 62-24S			
Kimley»Horn			
PID: 6504		CONTRACT NO. 20-505/506	
15", 18" & 21" WASTEWATER RUNYON SPRINGS BRANCH UNIVERSITY HILLS BLVD DALLAS WATER UTILITIES CITY OF DALLAS, TEXAS			
DESIGN	DRAWN	DATE	FILE NUMBER SHEET
AKM	JDC	FEB 2021	41IQ 1791B 016

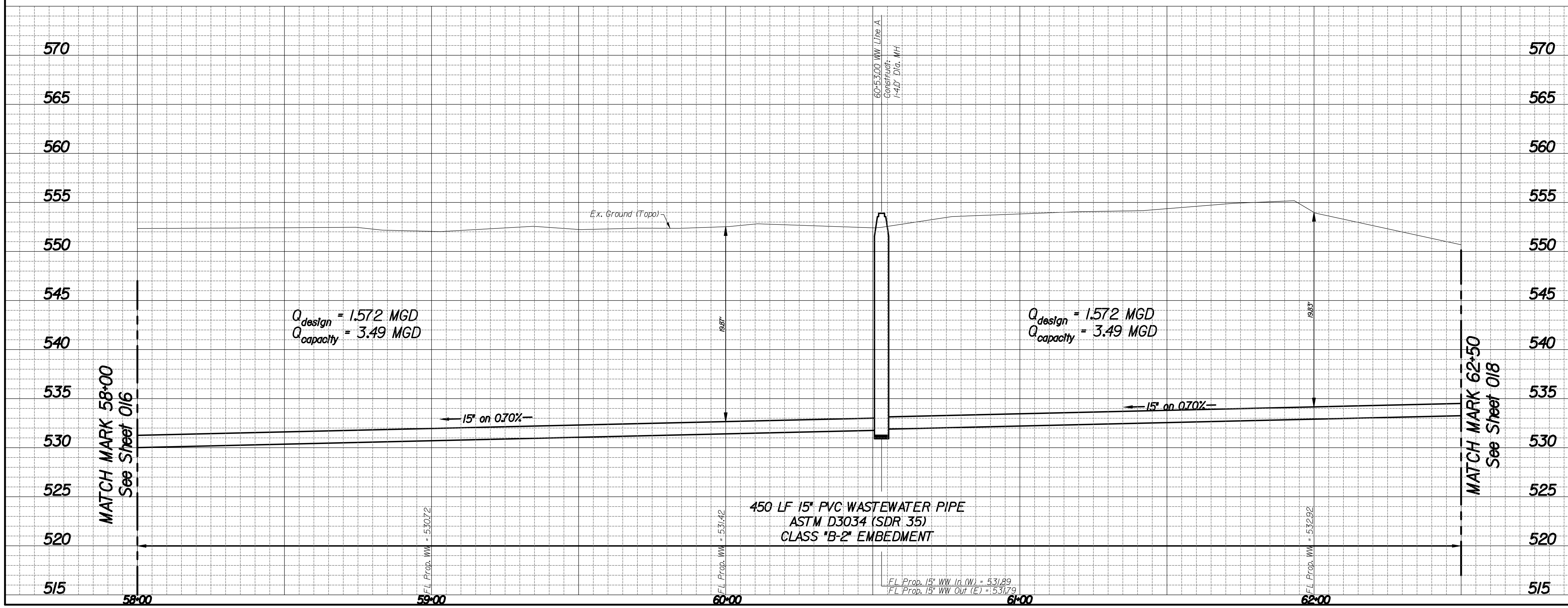


- Notes:**
1. See Sheet 411Q-1791B Sh. 2 for General Notes.
 2. The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.

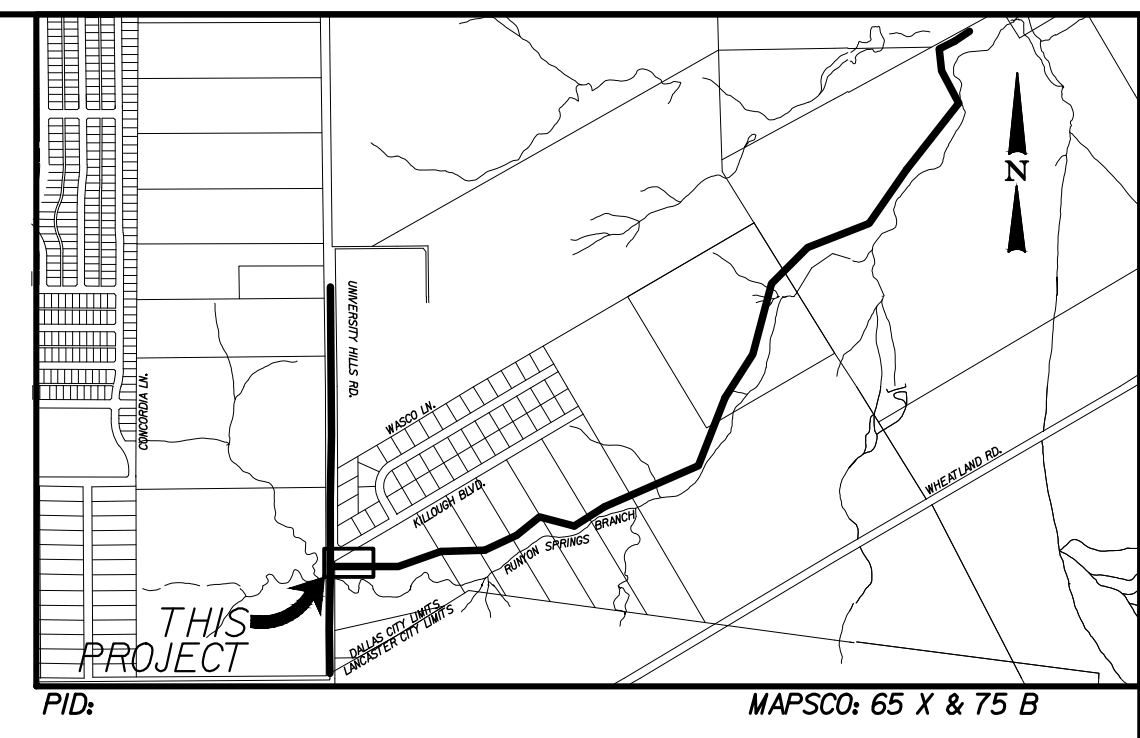
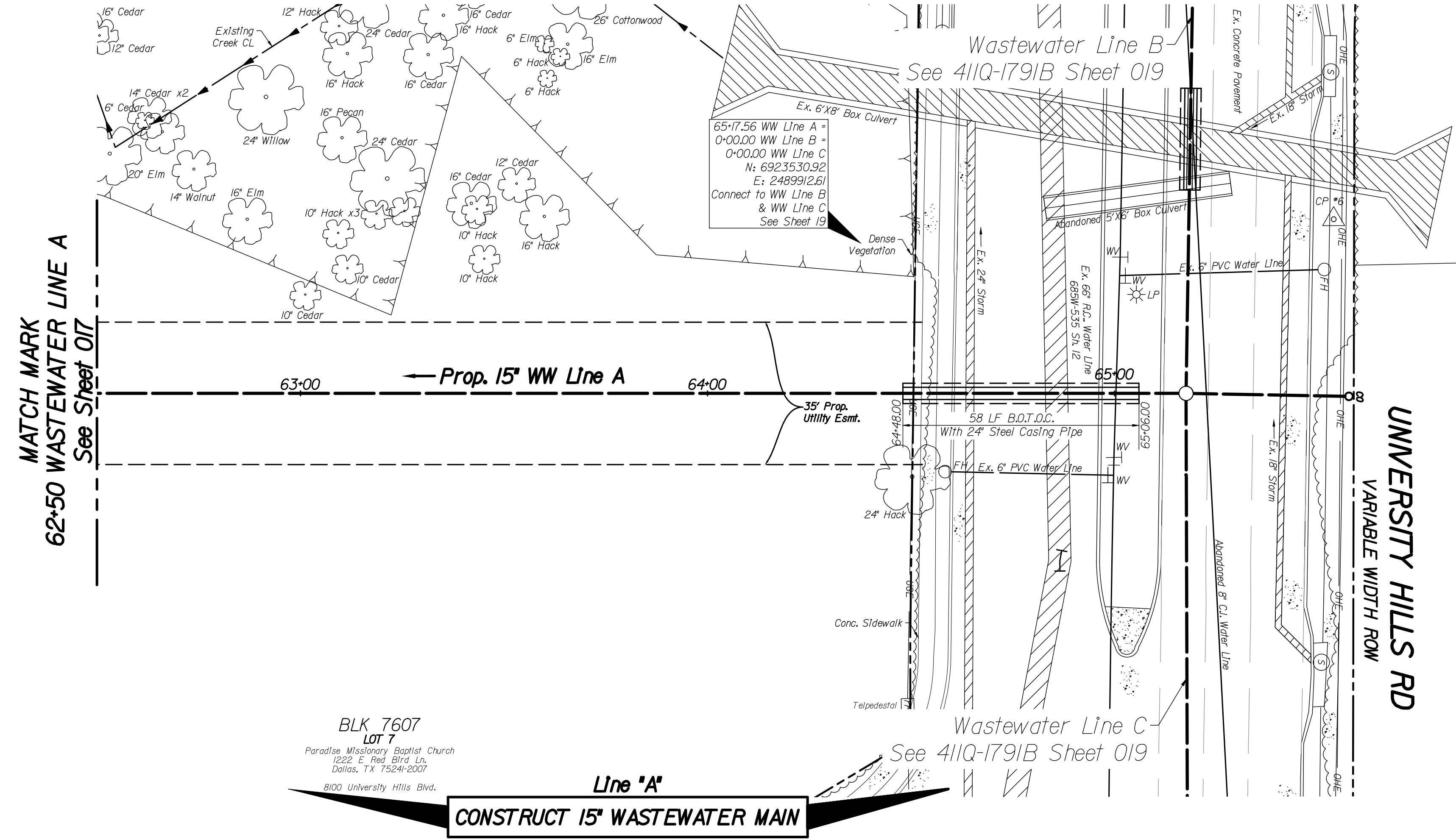
BLK 7607
LOT 7
Paradise Missionary Baptist Church
1222 E. Red Blvd. Ln.
Dallas, TX 75246-8007
8100 University Hills Blvd.

Line "A"

CONSTRUCT 15" WASTEWATER MAIN



REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
BENCHMARKS & CONTROL POINTS			
BENCHMARK *2241 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection. ELEV = 571.652; MAPSCO 019			
BENCHMARK *2238 Std WDBM on the southeast corner of concrete storm sewer Inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd. ELEV = 622.366; MAPSCO F19			
CONTROL POINT *2851 3" Capped Iron Rod Set N. 6923720.262; E. 2490957.842; ELEV. = 541.61			
CONTROL POINT *2871 3" Capped Iron Rod Set N. 6923617.750; E. 2490597.785; ELEV. = 553.11			
Horizontal Scale: 1" = 20'			
Vertical Scale: 1" = 6'			
REFERENCES			
WATER 59-24W, 60-24W, 61-24W, 62-24W			
WASTEWATER 59-24S, 60-24S, 61-24S, 62-24S			
Kimley»Horn			
PID: 6504		CONTRACT NO. 20-505/506	
15", 18" & 21" WASTEWATER			
RUNYON SPRINGS BRANCH			
UNIVERSITY HILLS BLVD			
DALLAS WATER UTILITIES			
CITY OF DALLAS, TEXAS			
DESIGN	DRAWN	DATE	FILE NUMBER SHEET
AKM	JDC	FEB 2021	411Q 1791B 017



Legend

- Tree To Be Removed
- Tree To Remain

CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact AT&T Two Working Days Prior To Construction.
Tele: 1-214-755-6741

CAUTION ~ TELEPHONE !
Underground/Overhead Telephone Cables In Area
Contact AT&T Two Working Days Prior To Construction.
Tele: 1-972-660-0389

CAUTION ~ FIBER OPTIC !
Underground/Overhead Fiber Optic Cables In Area
Contact Spectrum Two Working Days Prior To Construction.
Tele: 1-866-813-3608

CAUTION ~ TELEPHONE !
Underground/Overhead Telephone Cables In Area
Contact Spectrum Two Working Days Prior To Construction.
Tele: 1-888-519-9188

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

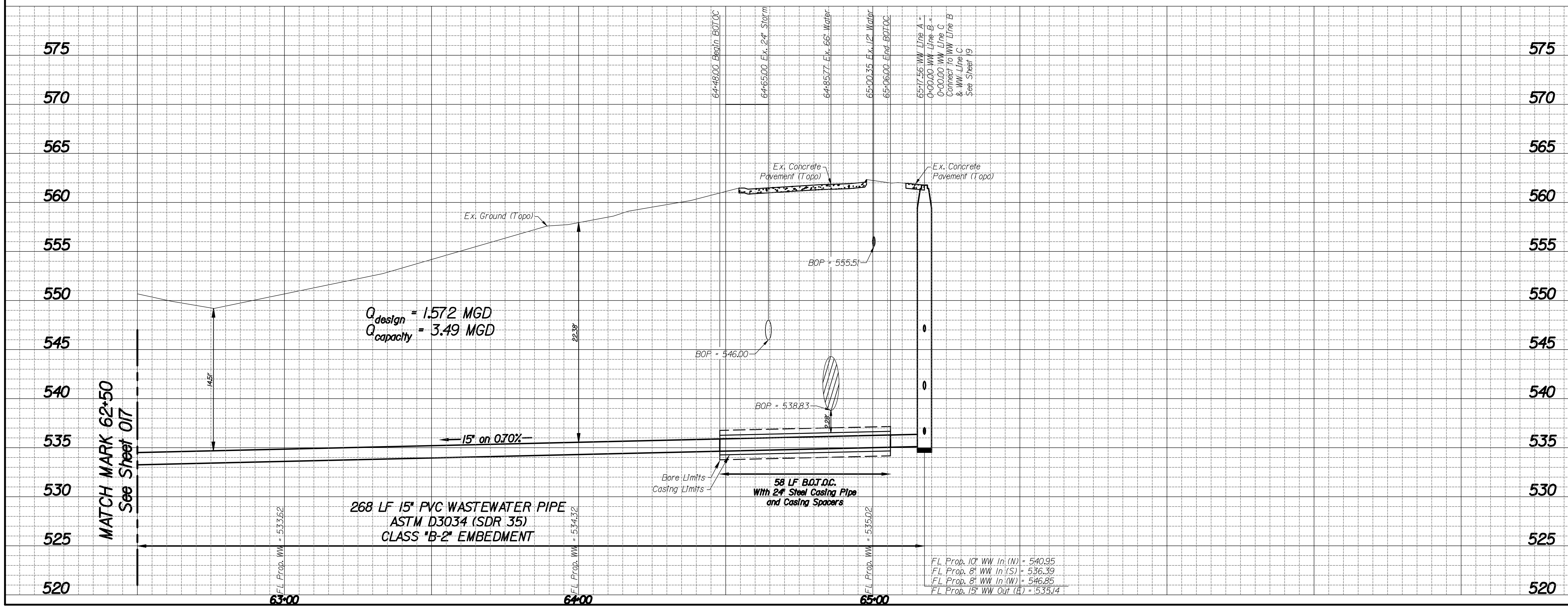
CAUTION ~ POWER !
Underground/Overhead Electrical Cables In Area
Contact Oncor Two Working Days Prior To Construction.
Tele: 1-888-313-6862

Notes:

- See Sheet 411Q-1791B Sh. 2 for General Notes.
- The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.

BLK 7607
LOT 7
Paradise Missionary Baptist Church
1222 E. Red Bird Ln.
Dallas, TX 75241-2007
8100 University Hills Blvd.

CONSTRUCT 15" WASTEWATER MAIN



REV NO.	DATE	REVISIONS DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK *2241
Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection.
ELEV. = 571.652 MAPSCO 619

BENCHMARK *2238
Std WDBM on the southeast corner of concrete storm sewer inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd.
ELEV. = 622.366 MAPSCO F19

CONTROL POINT *5
"X" Cut In Concrete
N. 6923698.509; E. 2489980.051; ELEV. = 565.71

CONTROL POINT *6
"X" Cut In Concrete
N. 6923488.123; E. 2489876.341; ELEV. = 561.19

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

REFERENCES

WATER
59-24W, 60-24W, 61-24W, 62-24W

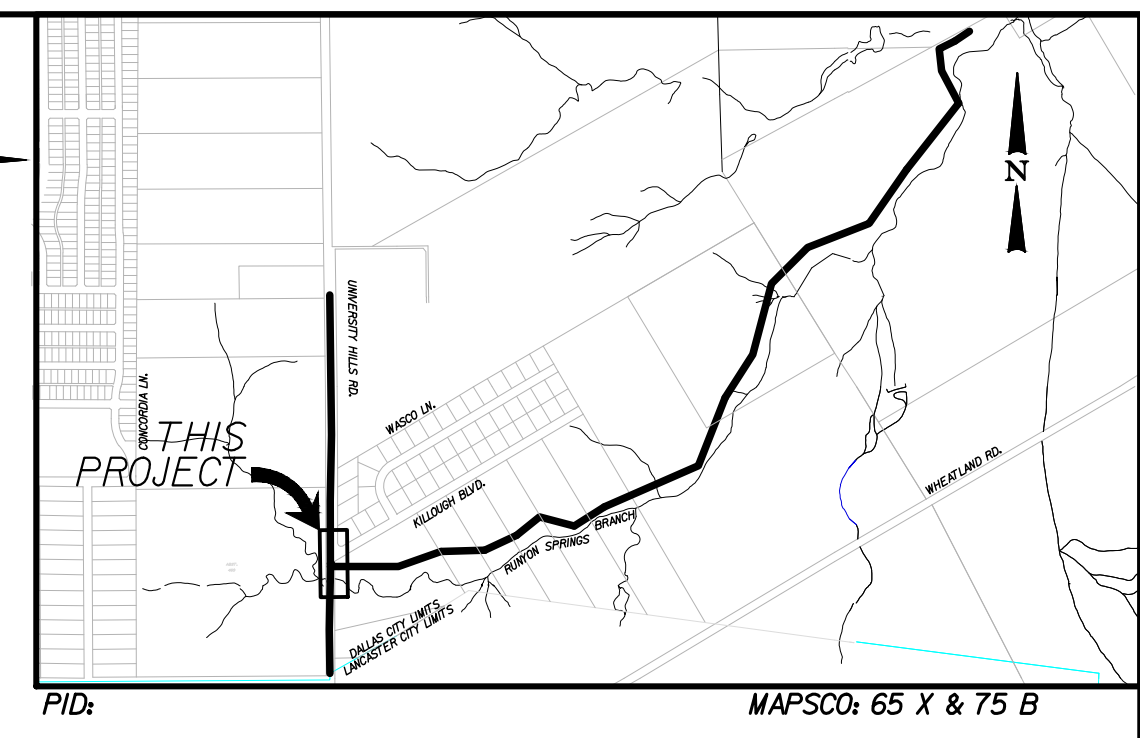
WASTEWATER
59-24S, 60-24S, 61-24S, 62-24S

Kimley»Horn

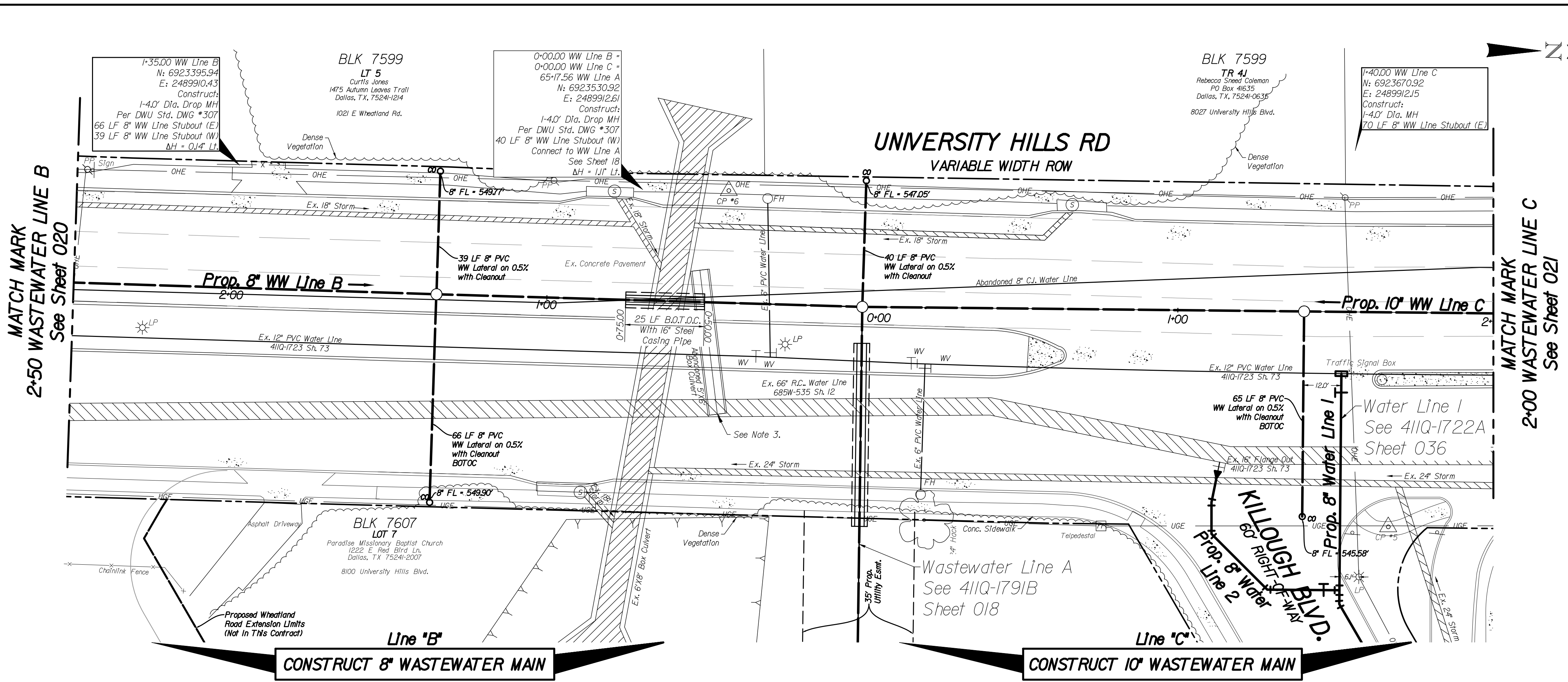
PID: 6504 CONTRACT NO. 20-505/506

15", 18" & 21" WASTEWATER
RUNYON SPRINGS BRANCH
UNIVERSITY HILLS BLVD
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	411Q	1791B	018



PID: MAPSCO: 65 X & 75 B

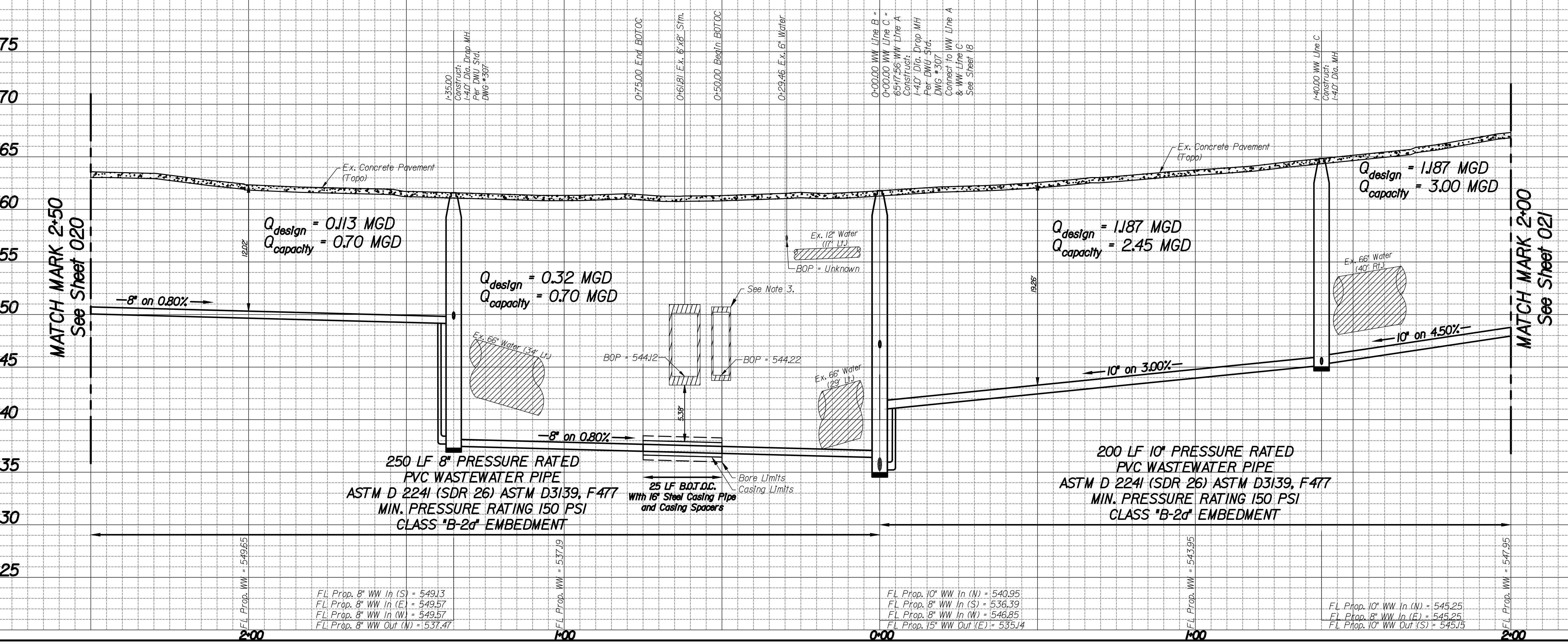


- CAUTION ~ FIBER OPTIC I**
Underground Fiber Optic Cables In Area
Contact Fiber Light Two Working
Days Prior To Construction.
Tele: 1-214-755-6741
- CAUTION ~ TELEPHONE I**
Underground/Overhead Telephone Cables In Area
Contact AT&T Two Working
Days Prior To Construction.
Tele: 1-972-660-0389
- CAUTION ~ FIBER OPTIC II**
Underground/Overhead Fiber Optic Cables In Area
Contact Unites Two Working
Days Prior To Construction.
Tele: 1-866-813-3608
- CAUTION ~ TELEPHONE II**
Underground/Overhead Telephone Cables In Area
Contact Spectrum Two Working
Days Prior To Construction.
Tele: 1-888-519-9188
- CAUTION ~ GAS I**
Underground Gas Main In Area
Contact AT&M Energy Corp. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005
- CAUTION ~ POWER I**
Underground/Overhead Electrical Cables In Area
Contact Onor Two Working
Days Prior To Construction.
Tele: 1-888-313-6862

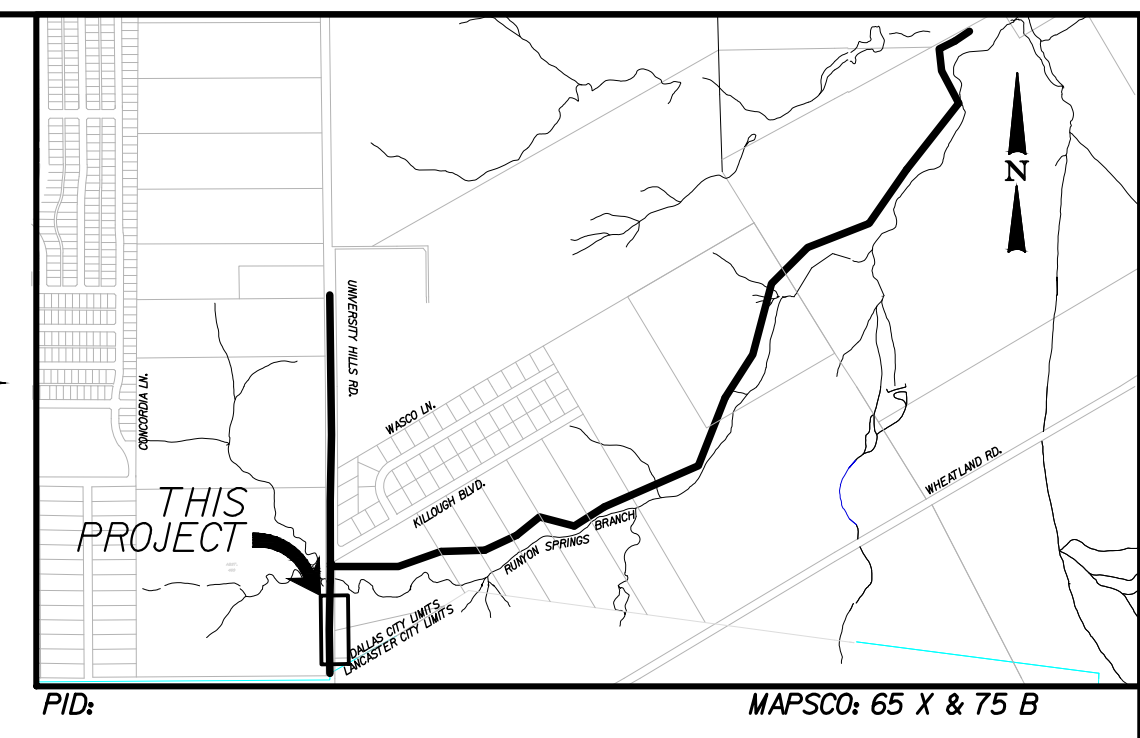
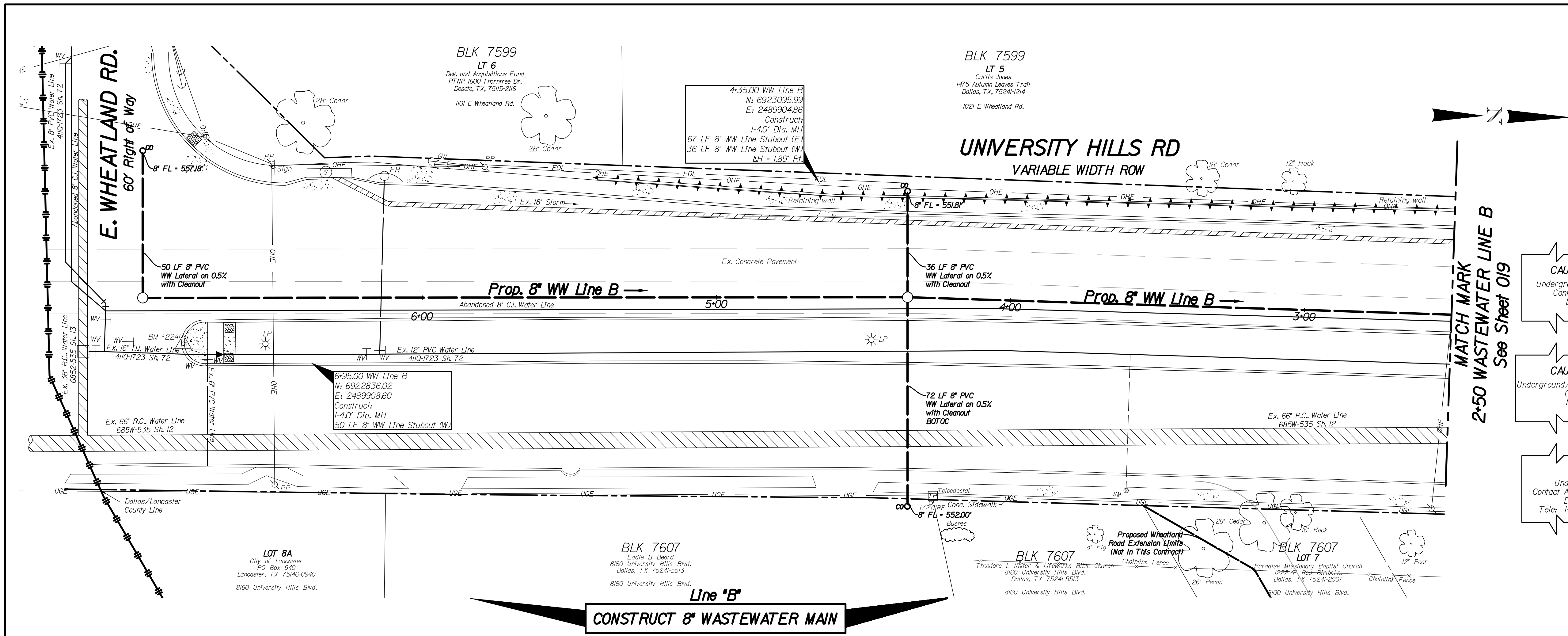
Notes:
 1. See Sheet 41IQ-1791B Sh. 2 For General Notes.
 2. The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.
 3. Abandoned 5'x6' Box Culvert was likely removed during previous University Hills road widening project.

CONSTRUCT 8" WASTEWATER MAIN

CONSTRUCT 10" WASTEWATER MAIN



REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
BENCHMARKS & CONTROL POINTS			
BENCHMARK *2241 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd intersection. ELEV = 571.652 MAPSCO 619 BENCHMARK *2238 Sid WDBM on the southeast corner of concrete storm sewer inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd. ELEV = 622.366 MAPSCO F19 CONTROL POINT *6 1" Cut N. 6923488J23; E. 2489876J41; ELEV. = 561.9 CONTROL POINT *5 1" Cut N. 6923698J09; E. 2489980J05; ELEV. = 565.71			
Horizontal Scale: 1" = 20' 			
REFERENCES WATER 59-24W, 60-24W, 61-24W, 62-24W WASTEWATER 59-24S, 60-24S, 61-24S, 62-24S			
Kimley»Horn			
PID: 6503		CONTRACT NO. 20-505/506	
8" & 10" WASTEWATER			
PHASE 3 OPTION 5			
UNIVERSITY HILLS BLVD			
DALLAS WATER UTILITIES			
CITY OF DALLAS, TEXAS			
DESIGN	DRAWN	DATE	FILE NUMBER SHEET
AKM	JDC	FEB 2021	41IQ 1791B 019



CAUTION ~ FIBER OPTIC I
Underground Fiber Optic Cables In Area
Contact Fiber Light Two Working
Days Prior To Construction.
Tele: 1-214-755-6741

CAUTION ~ TELEPHONE I
Underground/Overhead Telephone Cables In Area
Contact AT&T Two Working
Days Prior To Construction.
Tele: 1-972-660-0389

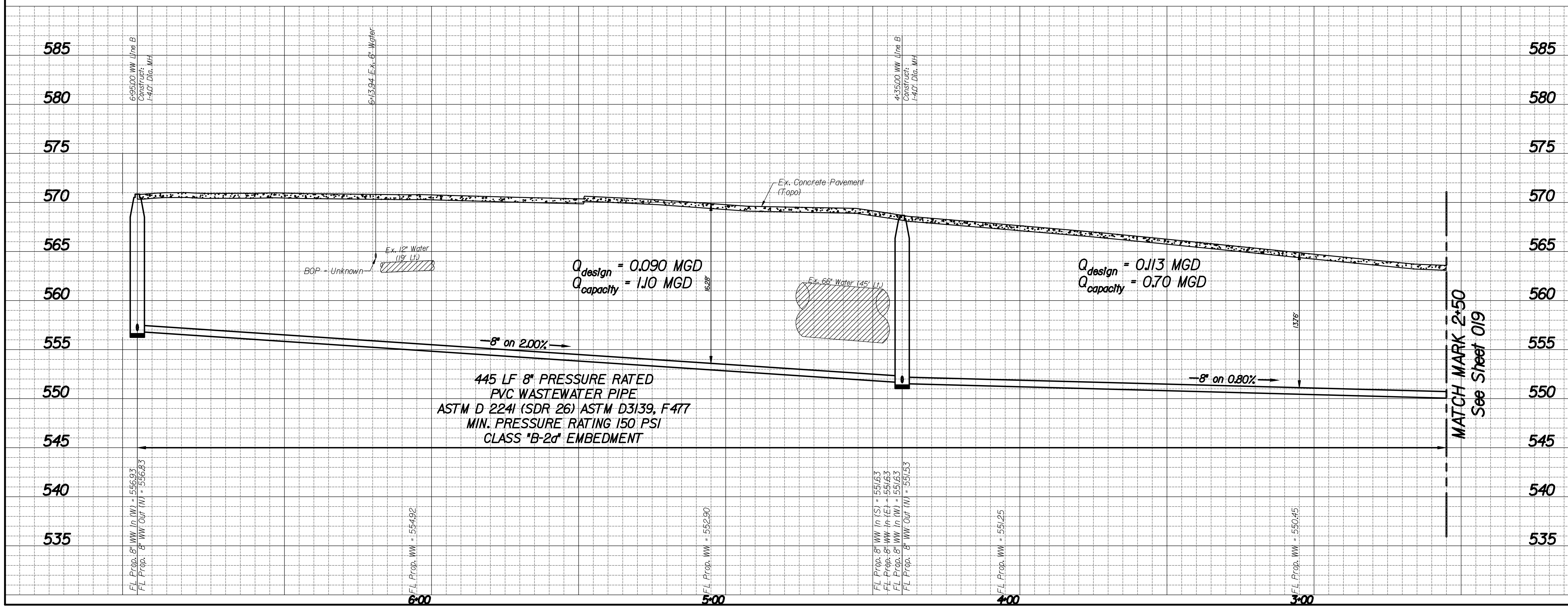
CAUTION ~ FIBER OPTIC II
Underground/Overhead Fiber Optic Cables In Area
Contact Unite Two Working
Days Prior To Construction.
Tele: 1-866-813-3608

CAUTION ~ TELEPHONE II
Underground/Overhead Telephone Cables In Area
Contact Spectrum Two Working
Days Prior To Construction.
Tele: 1-888-519-9188

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

CAUTION ~ POWER I
Underground/Overhead Electrical Cables In Area
Contact Onor Two Working
Days Prior To Construction.
Tele: 1-888-313-6862

Notes:
1. See Sheet 41IQ-1791B Sh. 2 for General Notes.
2. The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.



REV NO.	DATE	REVISIONS DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK *2241
Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection.
ELEV = 571.852 MAPSCO 019

BENCHMARK *2238
Std WDBM on the southeast corner of concrete storm sewer inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd.
ELEV = 622.366 MAPSCO F19

CONTROL POINT *6
1" Culvert
N. 6923488J23; E. 2489876J41; ELEV. = 561J9

CONTROL POINT *5
1" Culvert
N. 6923698J09; E. 2489980J05; ELEV. = 565J71

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

REFERENCES
WATER: 59-24W, 60-24W, 61-24W, 62-24W
WASTEWATER: 59-24S, 60-24S, 61-24S, 62-24S

Kimley»Horn
PID: 6503 CONTRACT NO. 20-505/506
8" & 10" WASTEWATER
PHASE 3 OPTION 5
UNIVERSITY HILLS BLVD
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	41IQ	1791B	020

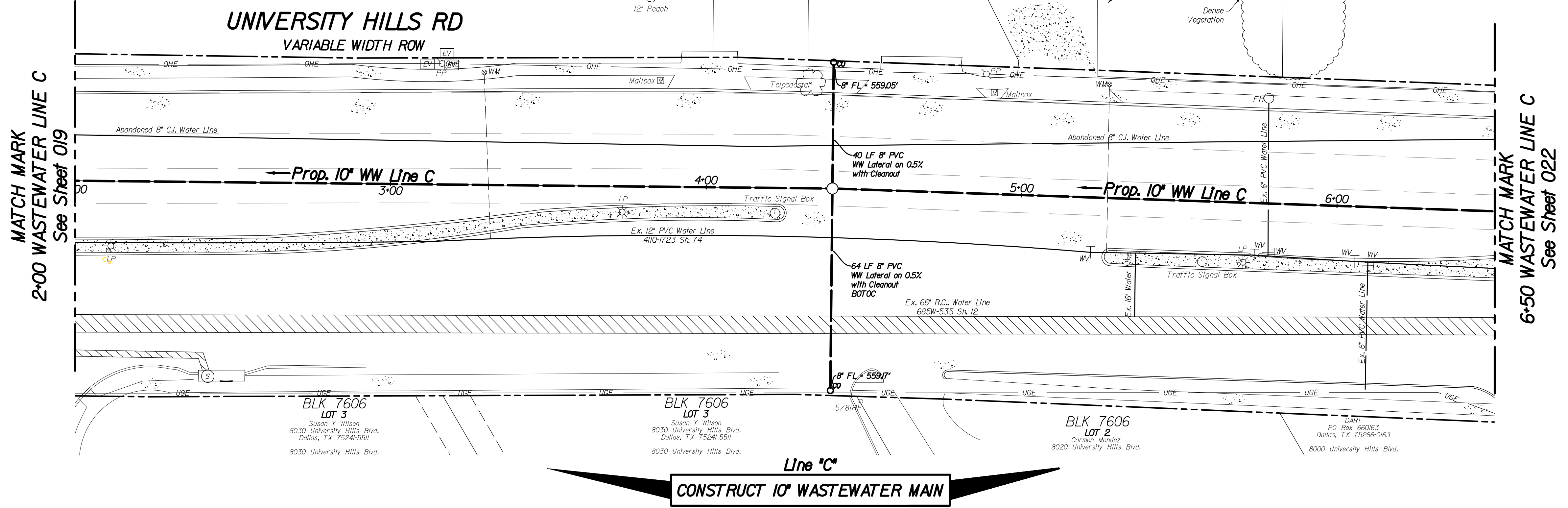
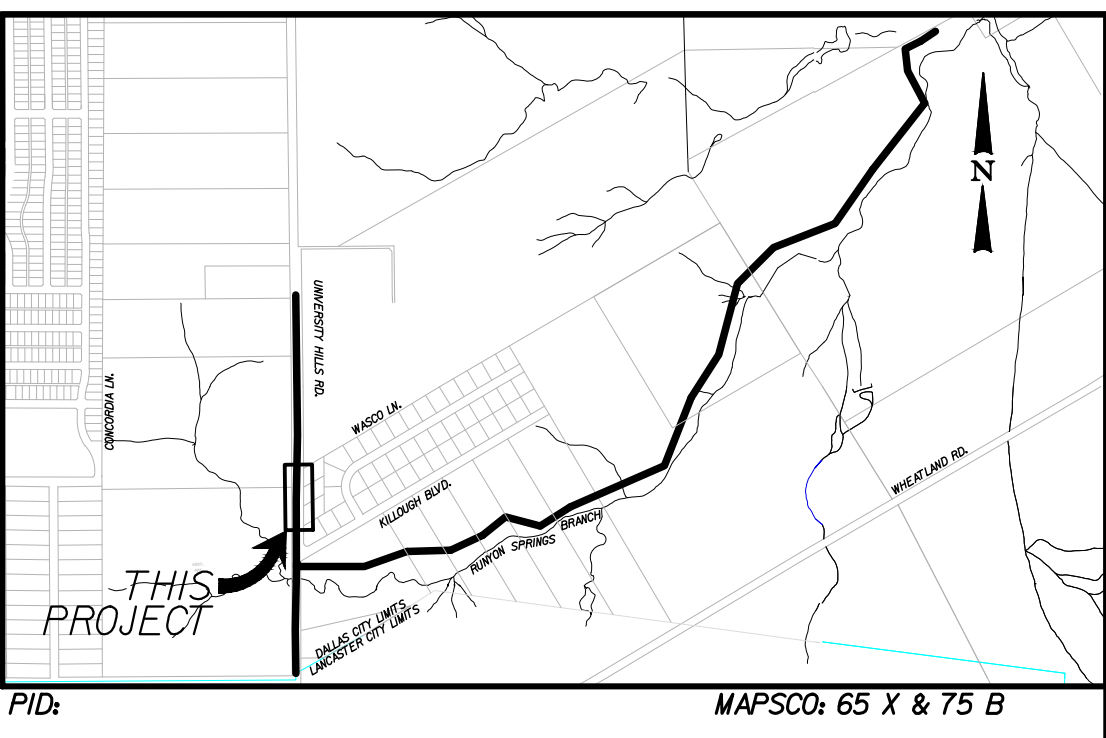
BLK 7599A
 LT I
 Rebecca P Sneed
 PO Box 4635
 Dallas, TX 75241-0635
 805 University Hills Blvd.

BLK 7599
 TR 42
 Jacqueline A Etal Harris
 199 Ebdole LA
 Dallas, TX 75224-415
 801 University Hills Blvd.

BLK 7599
 TR 4
 Jacquellina A Etal Harris
 199 Ebdole LA
 Dallas, TX 75224-415
 8023 University Hills Blvd.

BLK 6629
 TR II
 Bayo Properties LTD.
 Attn: David L Stephens 1560 Dallas
 Pkwy Ste. 900
 Addison, TX 75001-6098
 781 University Hills Blvd.

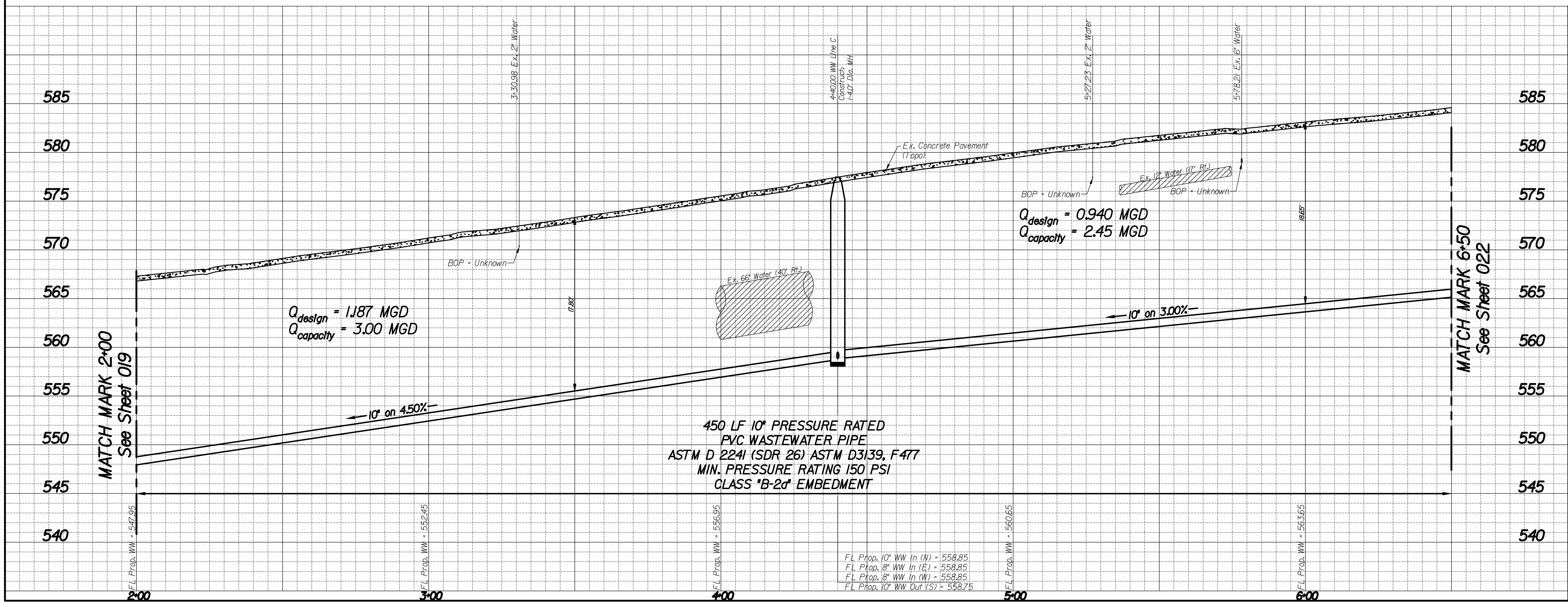
4-40.00 WW Line C
 N: 6923970.92
 E: 2489911.18
 Construct:
 1-40' Dia, MH
 64 LF 8" WW Line Stubout (E)
 40 LF 8" WW Line Stubout (W)
 MH = 1-38" Ft.



- CAUTION ~ FIBER OPTIC I**
 Underground Fiber Optic Cables In Area
 Contact Fiber Light Two Working
 Days Prior To Construction.
 Tele: 1-214-755-6741
- CAUTION ~ TELEPHONE I**
 Underground/Overhead Telephone Cables In Area
 Contact AT&T Two Working
 Days Prior To Construction.
 Tele: 1-972-660-0389
- CAUTION ~ FIBER OPTIC II**
 Underground/Overhead Fiber Optic Cables In Area
 Contact Unite Two Working
 Days Prior To Construction.
 Tele: 1-866-813-3608
- CAUTION ~ TELEPHONE II**
 Underground/Overhead Telephone Cables In Area
 Contact Spectrum Two Working
 Days Prior To Construction.
 Tele: 1-888-519-9188
- CAUTION ~ GAS I**
 Underground Gas Main In Area
 Contact AT&MOS Energy Corp. Two Working
 Days Prior To Construction.
 Tele: 1-800-344-8377/1-800-545-6005
- CAUTION ~ POWER I**
 Underground/Overhead Electrical Cables In Area
 Contact Oncor Two Working
 Days Prior To Construction.
 Tele: 1-888-313-6862

Notes:
 1. See Sheet 41IQ-1791B Sh. 2 for General Notes.
 2. The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.

Line 'C'
CONSTRUCT 10" WASTEWATER MAIN



REV NO.	DATE	REVISIONS DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK *2241
 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection.
 ELEV = 571.652 MAPSCO 619

BENCHMARK *2238
 Std WDBM on the southeast corner of concrete storm sewer inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd.
 ELEV = 622.366 MAPSCO F19

CONTROL POINT *5
 1" Cut
 N. 6923698.509; E. 2489980.051; ELEV. = 565.71

CONTROL POINT *4
 1" Cut
 N. 6924198.207; E. 2489932.409; ELEV. = 586.07

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

REFERENCES
 WATER
 59-24W, 60-24W, 61-24W, 62-24W
 WASTEWATER
 59-24S, 60-24S, 61-24S, 62-24S

Kimley»Horn
 PID: 6503 CONTRACT NO. 20-505/506
8" & 10" WASTEWATER
 PHASE 3 OPTION 5
 UNIVERSITY HILLS BLVD
 DALLAS WATER UTILITIES
 CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	41IQ	1791B	021

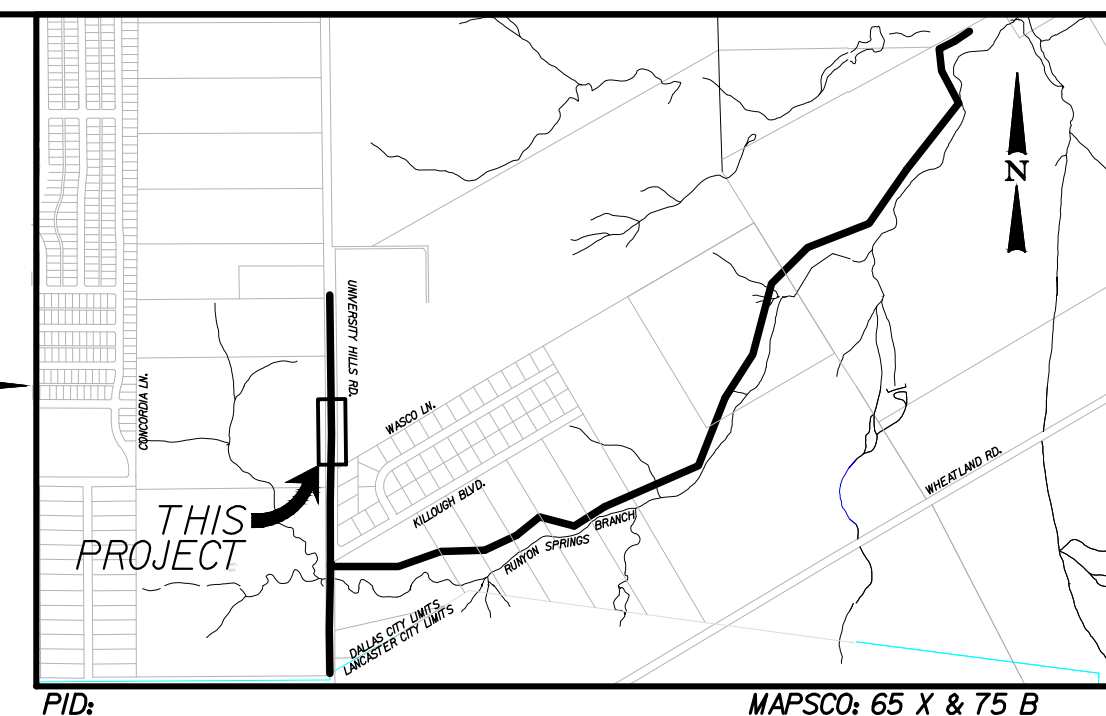
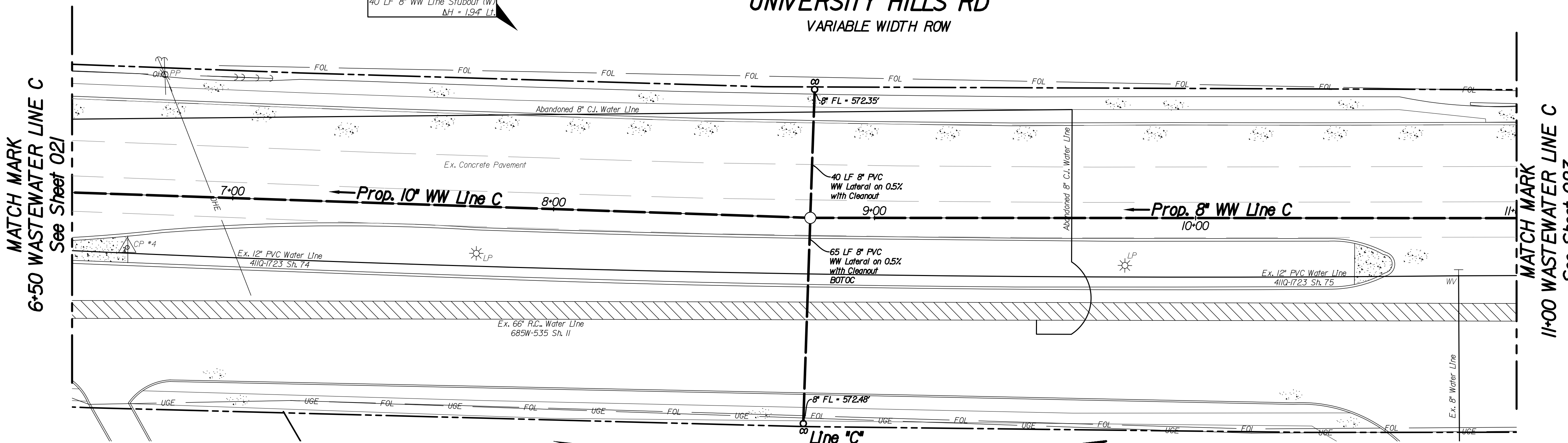
BLK 6629

TR II

Bayco Properties LTD.
Attn: David L. Stephens 15501 Dallas
Pkwy Ste. 900
Addison, TX, 75001-6098
7811 University Hills Blvd.

8" 80.00' WW Line C
N: 6924410.83
E: 2489920.33
Construct:
1-4.0' Dia. MH
60 LF 8" WW Line Stubout (E)
40 LF 8" WW Line Stubout (W)
Bt = 1.94' L/L

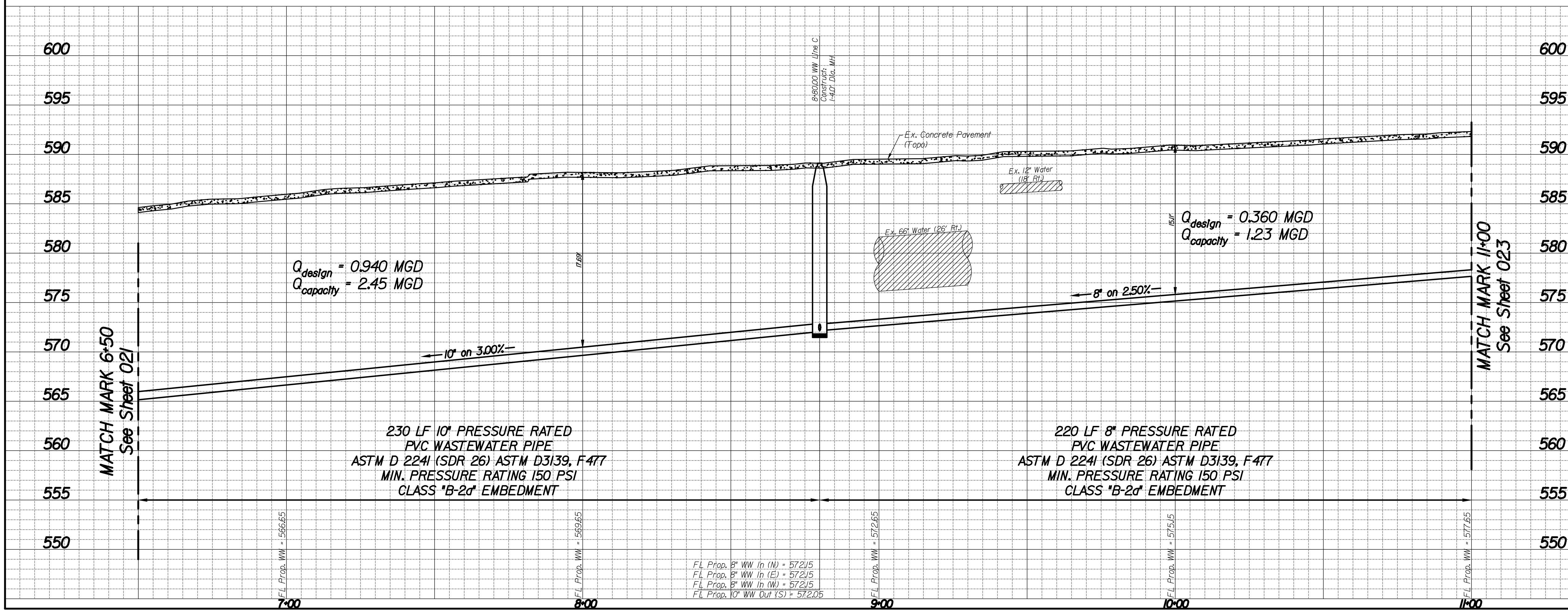
UNIVERSITY HILLS RD
VARIABLE WIDTH ROW



- CAUTION ~ FIBER OPTIC I**
Underground Fiber Optic Cables In Area
Contact Fiber Light Two Working
Days Prior To Construction.
Tele: 1-214-755-6741
- CAUTION ~ TELEPHONE I**
Underground/Overhead Telephone Cables In Area
Contact AT&T Two Working
Days Prior To Construction.
Tele: 1-972-660-0389
- CAUTION ~ FIBER OPTIC II**
Underground/Overhead Fiber Optic Cables In Area
Contact Unicom Two Working
Days Prior To Construction.
Tele: 1-866-813-3608
- CAUTION ~ TELEPHONE II**
Underground/Overhead Telephone Cables In Area
Contact Spectrum Two Working
Days Prior To Construction.
Tele: 1-888-519-9188
- CAUTION ~ GAS I**
Underground Gas Main In Area
Contact AT&M Energy Corp. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005
- CAUTION ~ POWER I**
Underground/Overhead Electrical Cables In Area
Contact Oncor Two Working
Days Prior To Construction.
Tele: 1-888-313-6862

Notes:
1. See Sheet 411Q-1791B Sh. 2 for General Notes.
2. The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.

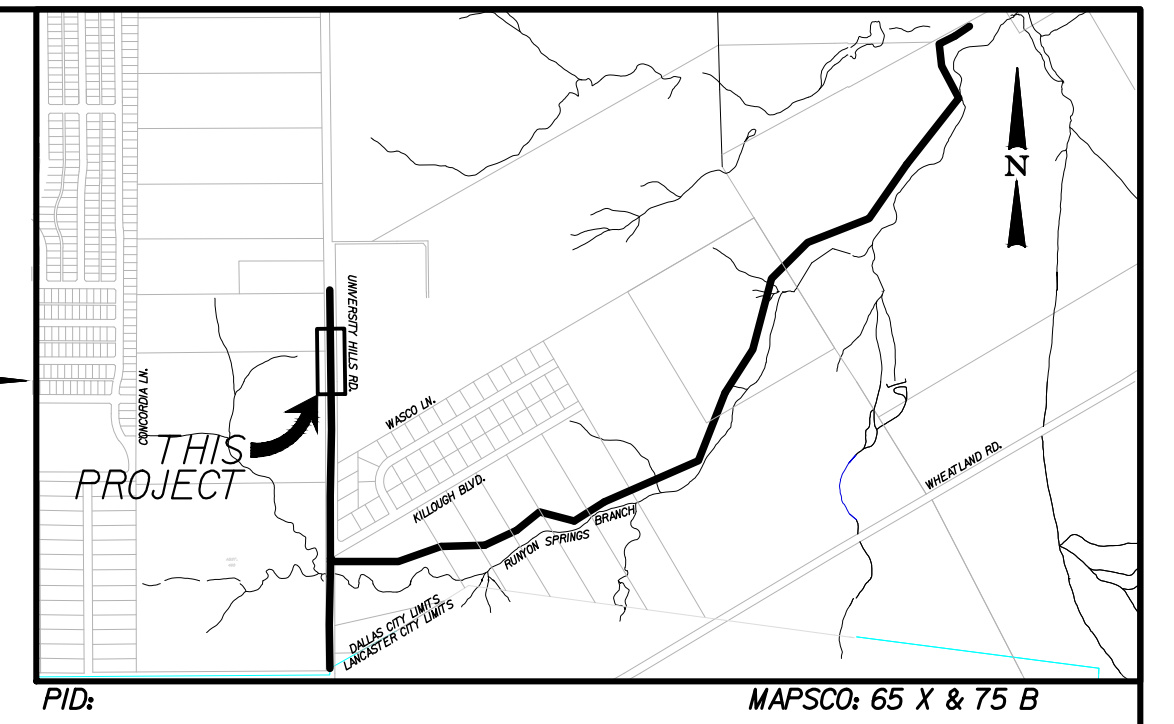
CONSTRUCT 8" & 10" WASTEWATER MAIN



REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
BENCHMARKS & CONTROL POINTS			
BENCHMARK *2241 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection. ELEV = 571.652 MAPSCO 619			
BENCHMARK *2238 Std WDBM on the southeast corner of concrete storm sewer Inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 Feet east of Willoughby Blvd. ELEV = 622.366 MAPSCO F19			
CONTROL POINT *5 1" Cut N. 6923698.509; E. 2489980.051; ELEV. = 565.71			
CONTROL POINT *4 1" Cut N. 6924198.207; E. 2489932.409; ELEV. = 586.07			
Horizontal Scale: 1" = 20'			
Vertical Scale: 1" = 6'			
REFERENCES			
WATER 59-24W, 60-24W, 61-24W, 62-24W			
WASTEWATER 59-24S, 60-24S, 61-24S, 62-24S			
Kimley»Horn			
PID: 6503		CONTRACT NO. 20-505/506	
8" & 10" WASTEWATER			
PHASE 3 OPTION 5			
UNIVERSITY HILLS BLVD			
DALLAS WATER UTILITIES			
CITY OF DALLAS, TEXAS			
DESIGN	DRAWN	DATE	FILE NUMBER SHEET
AKM	JDC	FEB 2021	411Q 1791B 022

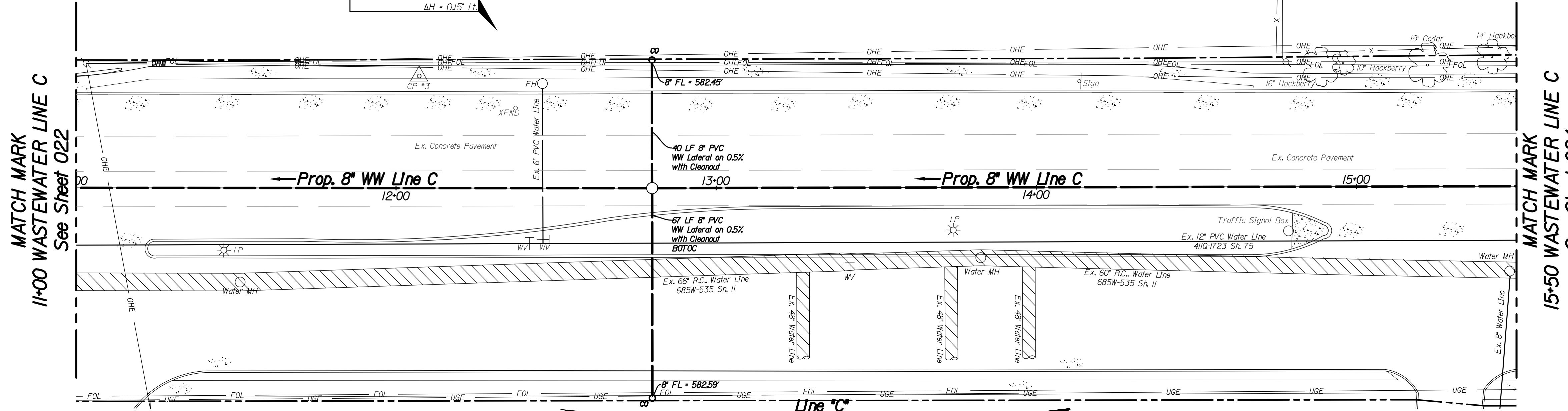
BLK 6629
TR II
Bayco Properties LTD.
Attn: David L. Stephens 5601 Dallas
Pkwy Ste. 900
Addicks, TX, 75001-6098
781 University Hills Blvd.

BLK 6629
TR 8
Avin Smith
1206 Cowenry Ln.
Duncanville, TX, 75017-2009
771 University Hills Blvd.



12+80.00 WW Line C
N: 6924810.79
E: 2489915.08
Construct:
1-4.0' Dia. MH
62 LF 8" WW Line Stubout (E.)
40 LF 8" WW Line Stubout (W.)
BH = 0.5' LL

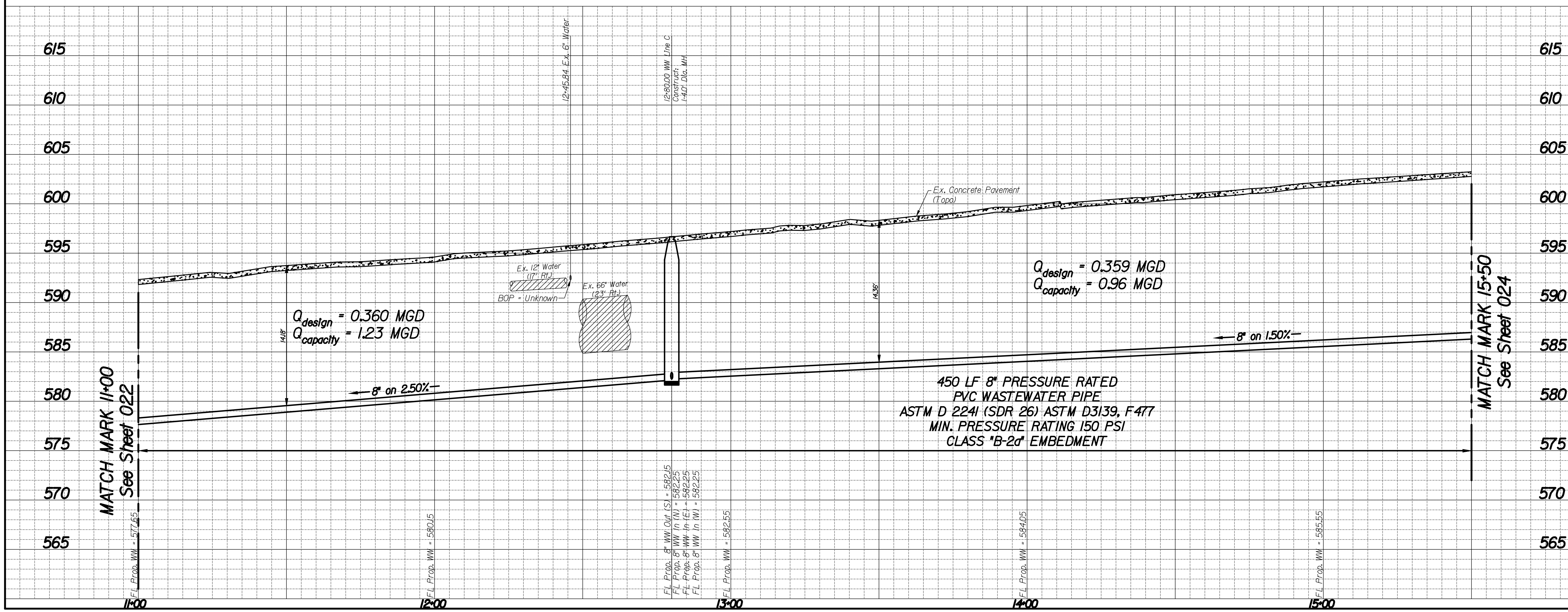
UNIVERSITY HILLS RD
VARIABLE WIDTH ROW



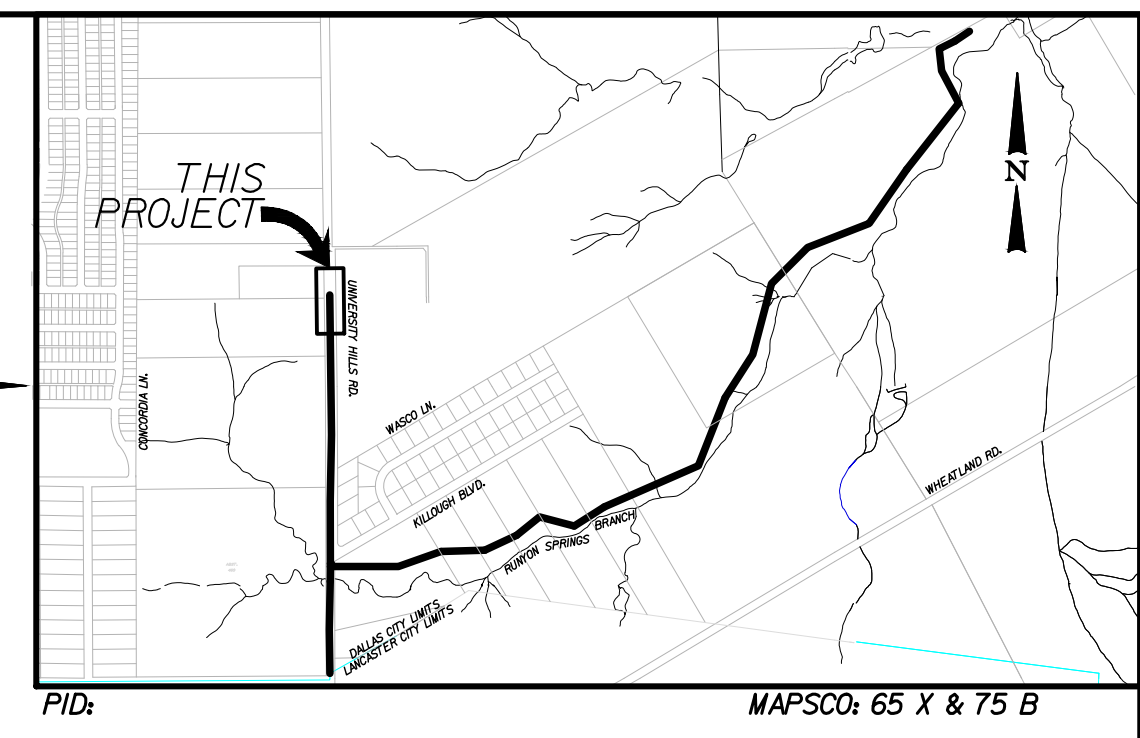
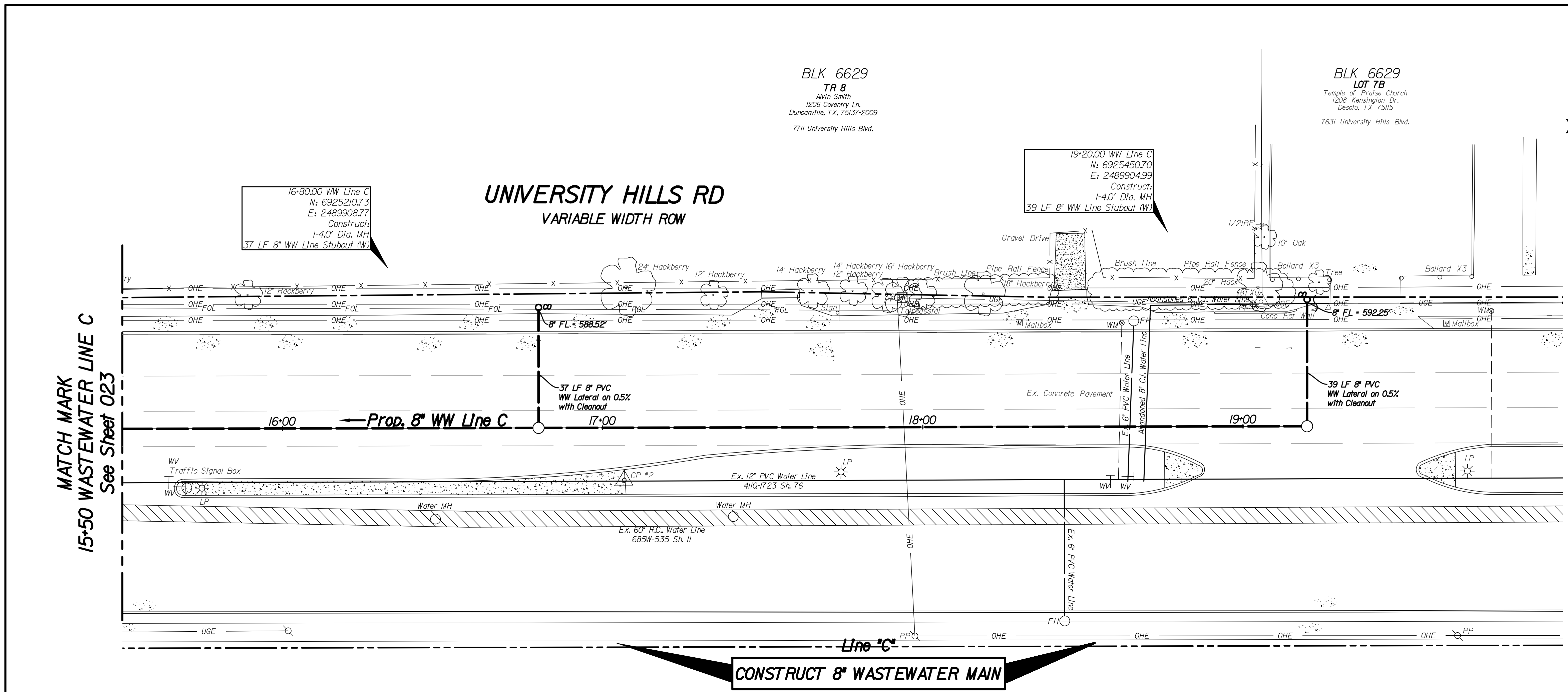
- CAUTION ~ FIBER OPTIC I**
Underground Fiber Optic Cables In Area
Contact Fiber Light Two Working
Days Prior To Construction.
Tele: 1-214-755-6741
- CAUTION ~ TELEPHONE I**
Underground/Overhead Telephone Cables In Area
Contact AT&T Two Working
Days Prior To Construction.
Tele: 1-972-660-0389
- CAUTION ~ FIBER OPTIC II**
Underground/Overhead Fiber Optic Cables In Area
Contact Unicom Two Working
Days Prior To Construction.
Tele: 1-866-813-3608
- CAUTION ~ TELEPHONE II**
Underground/Overhead Telephone Cables In Area
Contact Spectrum Two Working
Days Prior To Construction.
Tele: 1-888-519-9188
- CAUTION ~ GAS I**
Underground Gas Main In Area
Contact AT&M Energy Corp. Two Working
Days Prior To Construction.
Tele: 1-800-344-8377/1-800-545-6005
- CAUTION ~ POWER I**
Underground/Overhead Electrical Cables In Area
Contact Onor Two Working
Days Prior To Construction.
Tele: 1-888-313-6862

Notes:
1. See Sheet 411Q-1791B Sh. 2 for General Notes.
2. The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.

CONSTRUCT 8" WASTEWATER MAIN



REVISIONS				
REV NO.	DATE	DESCRIPTION	BY	
BENCHMARKS & CONTROL POINTS				
BENCHMARK *2241 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection. ELEV = 571.652 MAPSCO 619				
BENCHMARK *2238 Std WDBM on the southeast corner of concrete storm sewer inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd. ELEV = 622.366 MAPSCO F19				
CONTROL POINT *3 1" Cut N. 6924737.533; E. 2489881.073; ELEV. = 594.80				
CONTROL POINT *2 1" Cut N. 6925237.708; E. 24899247.32; ELEV. = 606.32				
Horizontal Scale: 1" = 20'				
Vertical Scale: 1" = 6'				
REFERENCES WATER 59-24W, 60-24W, 61-24W, 62-24W WASTEWATER 59-24S, 60-24S, 61-24S, 62-24S				
Kimley-Horn				
PID: 6503		CONTRACT NO. 20-505/506		
8" & 10" WASTEWATER				
PHASE 3 OPTION 5				
UNIVERSITY HILLS BLVD				
DALLAS WATER UTILITIES				
CITY OF DALLAS, TEXAS				
DESIGN	DRAWN	DATE	FILE	NUMBER
AKM	JDC	FEB 2021	411Q	1791B
				SHEET
				023



CAUTION ~ FIBER OPTIC !
Underground Fiber Optic Cables In Area
Contact Fiber Light Two Working
Days Prior To Construction.
Tele: 1-214-755-6741

CAUTION ~ TELEPHONE !
Underground/Overhead Telephone Cables In Area
Contact AT&T Two Working
Days Prior To Construction.
Tele: 1-972-660-0389

CAUTION ~ FIBER OPTIC !
Underground/Overhead Fiber Optic Cables In Area
Contact Unicom Two Working
Days Prior To Construction.
Tele: 1-866-813-3608

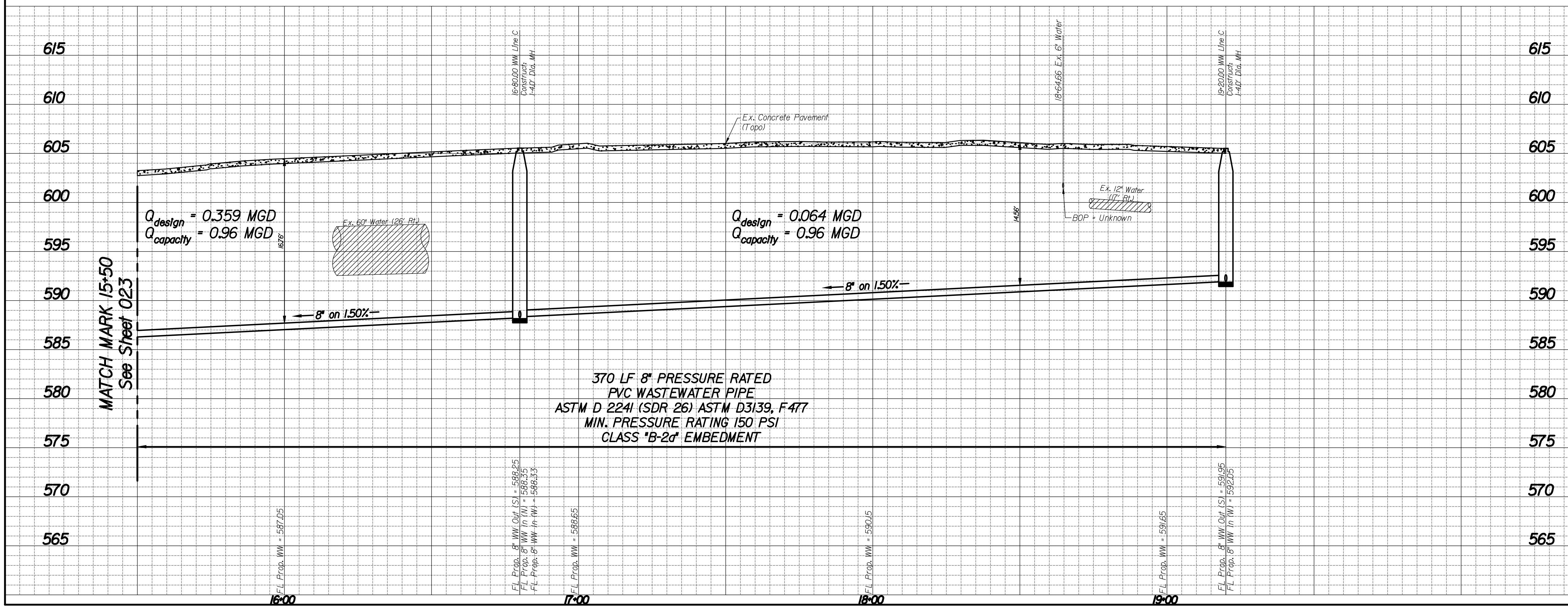
CAUTION ~ TELEPHONE !
Underground/Overhead Telephone Cables In Area
Contact Spectrum Two Working
Days Prior To Construction.
Tele: 1-888-519-9188

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

CAUTION ~ POWER !
Underground/Overhead Electrical Cables In Area
Contact Oncor Two Working
Days Prior To Construction.
Tele: 1-888-313-6862

Notes:

- See Sheet 411Q-1791B Sh. 2 for General Notes.
- The Ground Survey was performed by BDS Technologies, Inc. from September to December 2019. The design relies on the assumptions provided by the survey.



REVISIONS				
REV NO.	DATE	DESCRIPTION		
BENCHMARKS & CONTROL POINTS				
615		BENCHMARK *2241 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection. ELEV = 571.652 MAPSCO 619		
610		BENCHMARK *2238 Std WDBM on the southeast corner of concrete storm sewer inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd. ELEV = 622.366 MAPSCO F19		
605		CONTROL POINT *3 "x" cut N. 6924737.533; E. 2489881.073; ELEV. = 594.80		
600		CONTROL POINT *2 "x" cut N. 6925237.708; E. 24899247.32; ELEV. = 606.32		
595				
590				
585				
580				
575				
570				
565				

Horizontal Scale: 1" = 20'

Vertical Scale: 1" = 6'

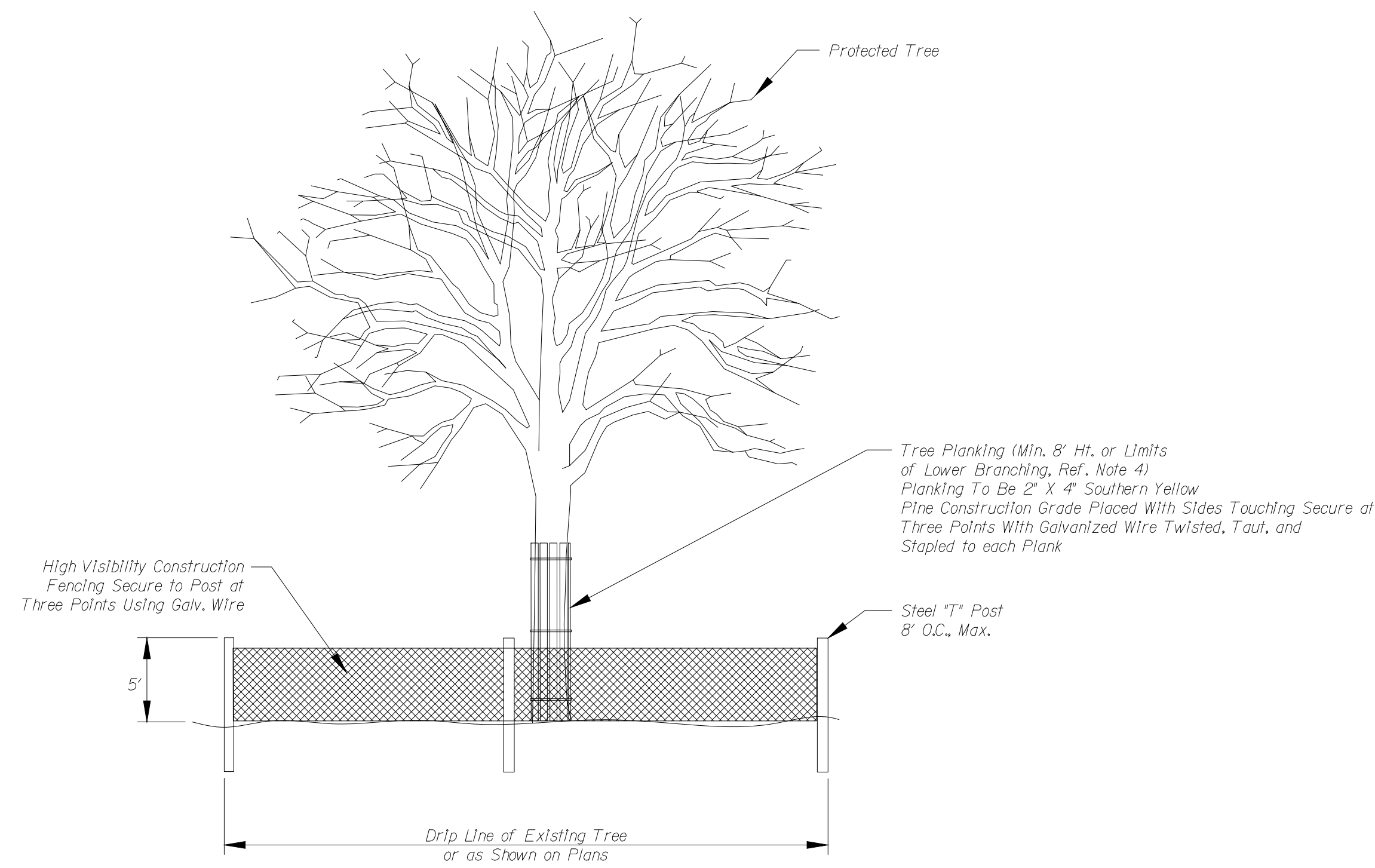
REFERENCES

WATER
59-24W, 60-24W, 61-24W, 62-24W

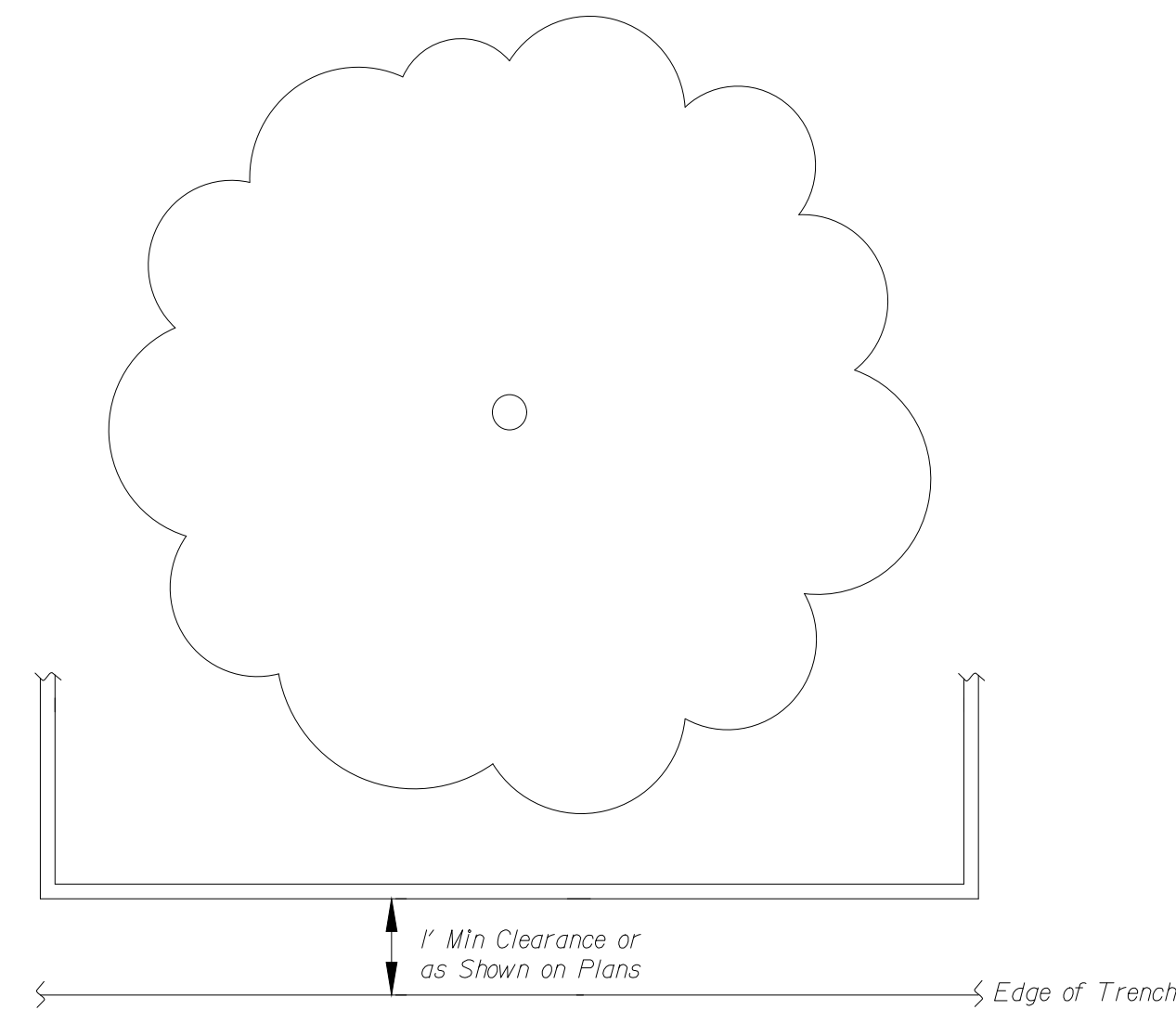
WASTEWATER
59-24S, 60-24S, 61-24S, 62-24S

Kimley-Horn

PID: 6503		CONTRACT NO. 20-505/506			
8" & 10" WASTEWATER					
PHASE 3 OPTION 5					
UNIVERSITY HILLS BLVD					
DALLAS WATER UTILITIES					
CITY OF DALLAS, TEXAS					
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	411Q	1791B	024



1 TREE PROTECTION DETAIL
 025 SCALE: N.T.S.



2 TREE PROTECTION DETAIL
 025 SCALE: N.T.S.

NOTES:

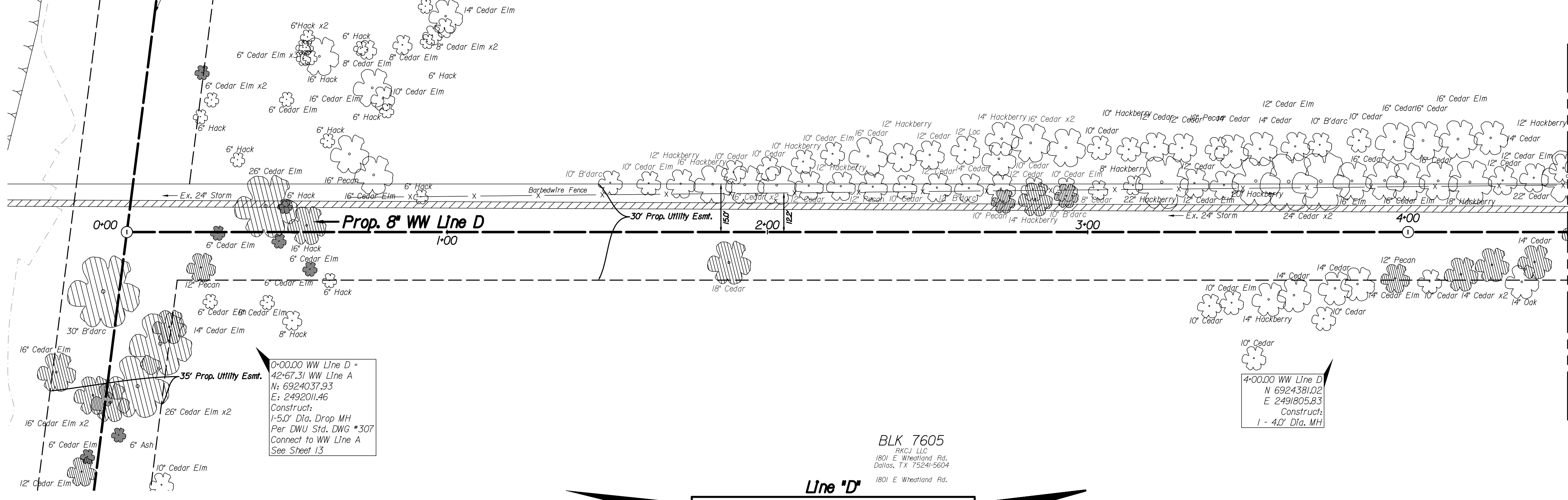
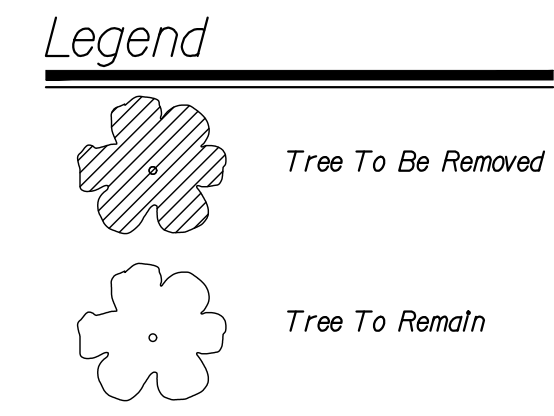
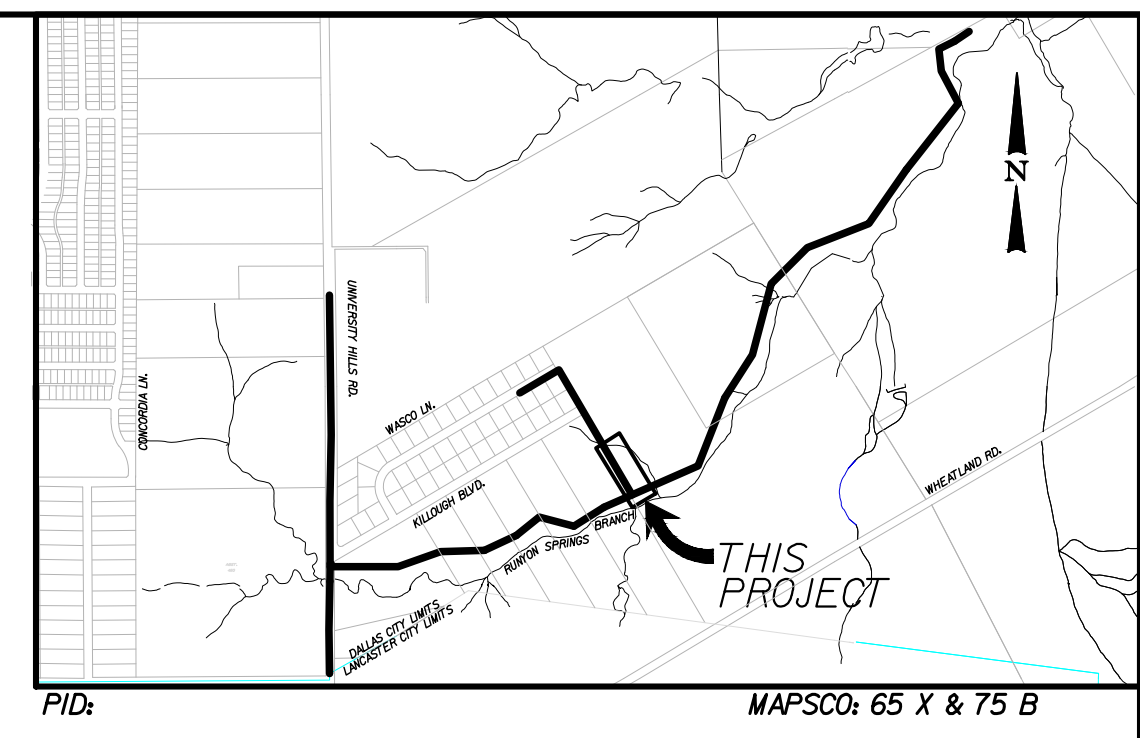
1. All trees not identified to be removed on the tree protection plans shall be protected throughout construction with tree protection.
2. Tree protection fencing shall be installed prior to mobilization.
3. Fencing shall be completely surround the tree or clusters of trees and will be located at the outermost limits of the tree branches (drip line). The drip line defines the "Root Zone". Within the limits of fencing, the contractor shall prevent the following from occurring without prior written authorization from the owner's representative:
 - A. Soil compaction in the root zone area resulting from vehicular traffic or storage of equipment or materials.
 - B. Root zone disturbances due to grade changes (greater than 3" cut or fill) or trenching not reviewed or authorized.
 - C. Wounds to exposed roots, trunk, or limbs by mechanical equipment.
 - D. Other activities detrimental to trees such as chemical storage, concrete truck cleaning, and fires.
4. Where exceptions result in a fence being closer than 4 feet to a trunk, protect the trunk with strapped-on planking to a height of 8' (or to the limits of the lower branching) as indicated on tree protection plans.
5. All grading within protected root zone areas shall be done by hand to minimize root damage and soil compaction. Prior to grading, relocate protective fencing to 2 feet behind the grade change area. Grade shall remain unchanged where possible.
6. Any root severed by construction activity shall be pruned flush with the soil. Backfill root areas with good quality top soil as soon as possible. If exposed root areas are not backfilled within 2 days, cover them with organic material in a manner which reduces soil temperature and minimized drying of the root due to evaporation.
7. Trees impacted by construction activities shall be watered thoroughly once a week during periods of hot and/or dry weather. Tree crowns shall be sprayed with water periodically to reduce dust accumulation on the leaves.
8. No landscape topsoil dressing greater than 3" maximum shall be permitted within the drip line of trees. No permanent soil or mulch is permitted on the root flare of any tree.
9. Pruning shall be performed by the contractor to provide clearance for structures or construction activities. Pruning shall take place before construction begins, only with prior approval from authority's engineer. All pruning must be according to recognized, approved standards of the industry (reference the NAA Pruning Standards), and by an experienced and qualified arborist whose primary business is tree care.
10. Provide corrective pruning at the completion of construction to remove any broken or damaged limbs, under the direction of the authority's engineer.
11. If required, root prune by trenching a clean 4" wide x 24" deep cut between the disturbed and undisturbed root zones with irrigation trencher to minimize damage to remaining roots. Mark and review trench line with authority's engineer prior to trenching.
12. As soon as 4" wide x 24" deep trench is cut, exposed roots shall be hand cut to create clean root cuts. As soon as hand cuts are complete, backfill trench with a sandy loam topsoil placed in 6" lifts, and compacted as required by specifications.
13. In areas where lime stabilization abuts or encroaches upon root zones, and where root pruning is called for, install 10-mil. plastic sheeting to full depth of root pruning trench and 6' over top. Cut and remove exposed plastic at completion of work.

Horizontal Scale: as shown					
REFERENCES					
WATER 59-24W, 60-24W, 61-24W, 62-24W WASTEWATER 59-24S, 60-24S, 61-24S, 62-24S					
Kimley»Horn					
PID: 6504		CONTRACT NO. 20-505/506			
TREE PROTECTION DETAIL					
RUNYON SPRINGS BRANCH & PHASE 3 OPTION 5					
UNIVERSITY HILLS BLVD					
DALLAS WATER UTILITIES					
CITY OF DALLAS, TEXAS					
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	41IQ	1791B	025

Existing Floodplatt

Wastewater Line A
See 411Q-1791B
Sheet 013

BLK 7607
N PT LOT 15
JUNE PARRAS
9979 Marsh Ln,
Dallas, TX 75220-1709
1514 Kilough Blvd.



MATCH MARK
4+50 WASTEWATER LINE D
See Sheet 033

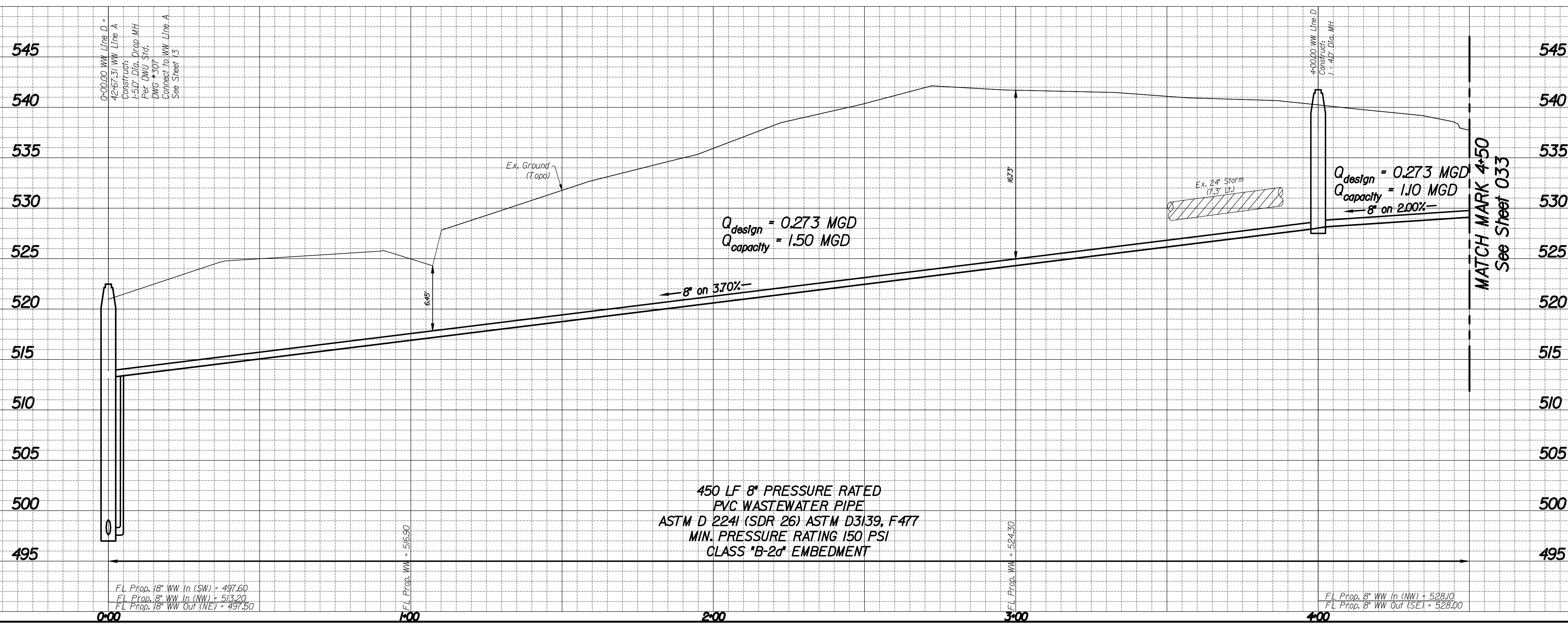
0+00.00 WW Line D =
42+67.31 WW Line A
N: 6924037.93
E: 2492011.46
Construct:
1-5.0' Dia. Drop MH
Per DWU Std. DWG *307
Connect to WW Line A
See Sheet 13

4+00.00 WW Line D
N 6924381.02
E 2491805.83
Construct:
1 - 4.0' Dia. MH

BLK 7605
RKCJ LLC
1801 E Wheatland Rd,
Dallas, TX 75241-5604
1801 E Wheatland Rd.

Line 'D'
CONSTRUCT 8" WASTEWATER MAIN

- Notes:
- See Sheet 411Q-1791B Sh. 2 for General Notes.
 - The Ground Survey was performed by BDS Technologies, Inc. in January 2021. The design relies on the assumptions provided by the survey.



MATCH MARK 4+50
See Sheet 033

450 LF 8" PRESSURE RATED
PVC WASTEWATER PIPE
ASTM D 2241 (SDR 26) ASTM D3139, F-477
MIN. PRESSURE RATING 150 PSI
CLASS 'B-2d' EMBEDMENT

FL Prop. 8" WW In (NW) = 528.10
FL Prop. 8" WW Out (SE) = 528.20

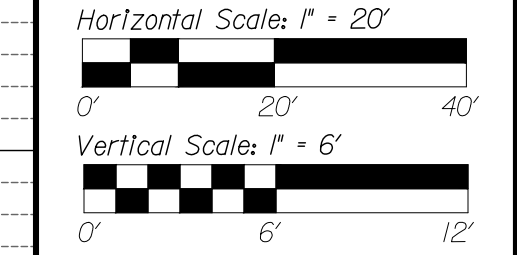
REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK *2241
Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection.
ELEV = 571.852 MAPSCO 619

BENCHMARK *2238
Std WDBM on the southeast corner of concrete storm sewer inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd.
ELEV = 622.366 MAPSCO F19

CONTROL POINT *565
Iron Rod
N. 6924592.396; E. 2491682.100; ELEV. = 543.187



REFERENCES

WATER
59-24W, 60-24W, 61-24W, 62-24W
WASTEWATER
59-24S, 60-24S, 61-24S, 62-24S

Kimley»Horn

PID: 6673 CONTRACT NO. 20-505/506

8" WASTEWATER

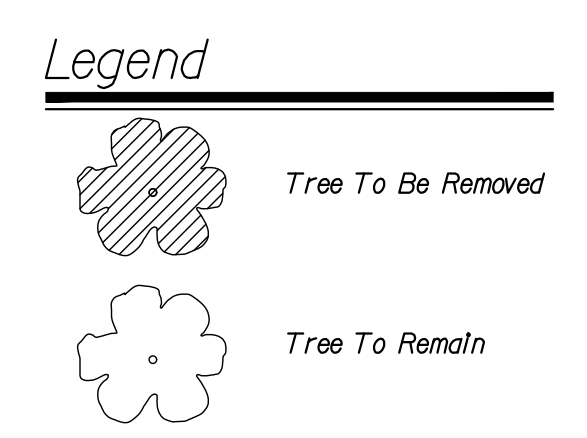
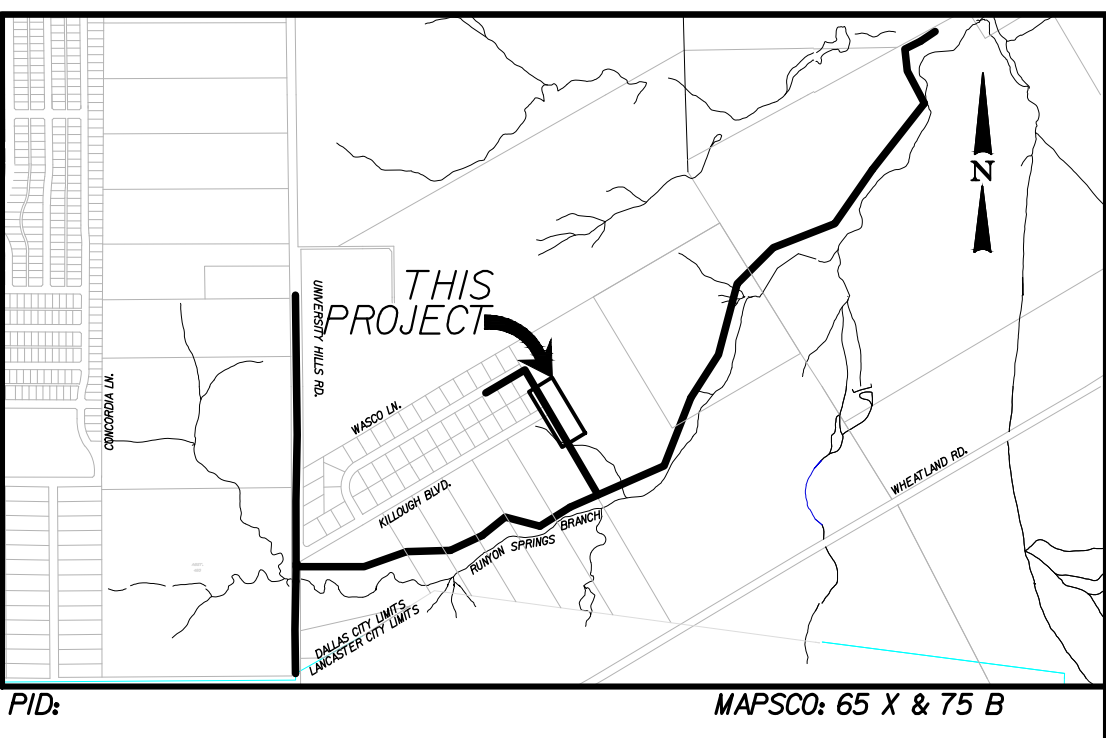
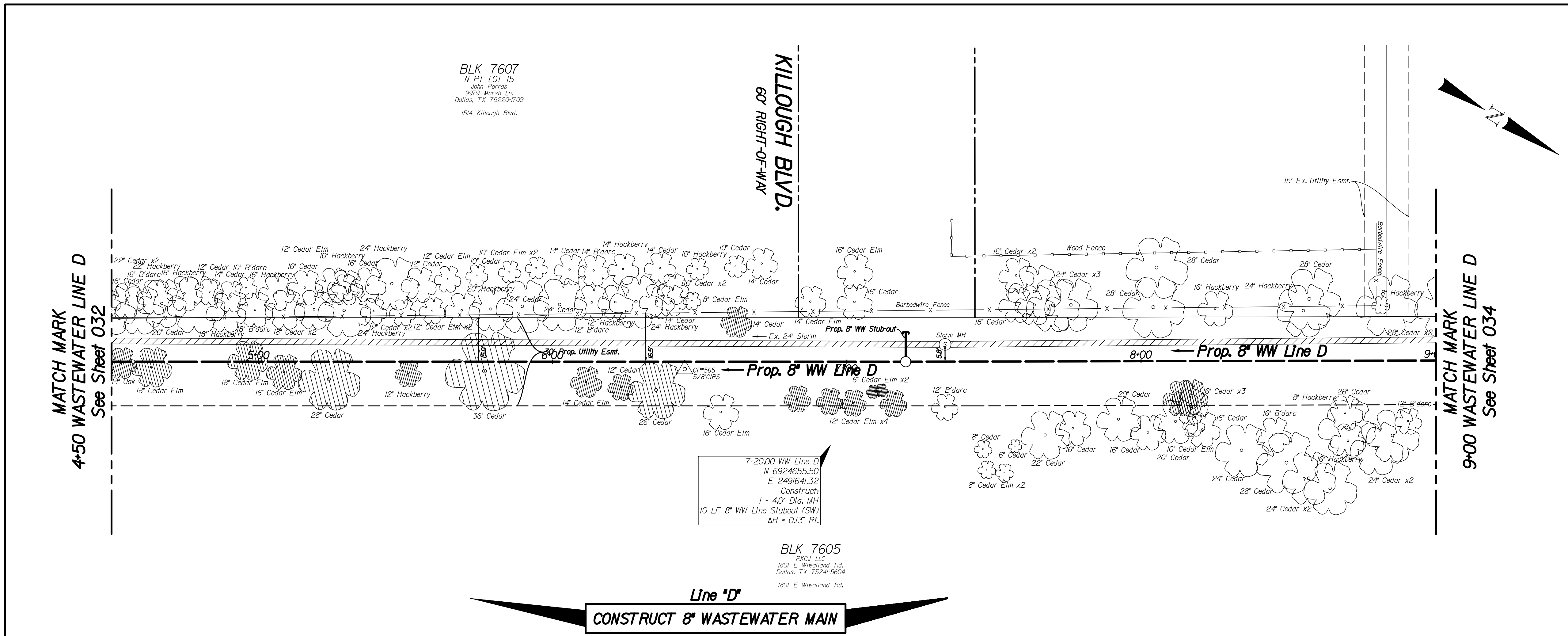
KILLOUGH WASCO EXTENSION

UNIVERSITY HILLS BLVD

DALLAS WATER UTILITIES

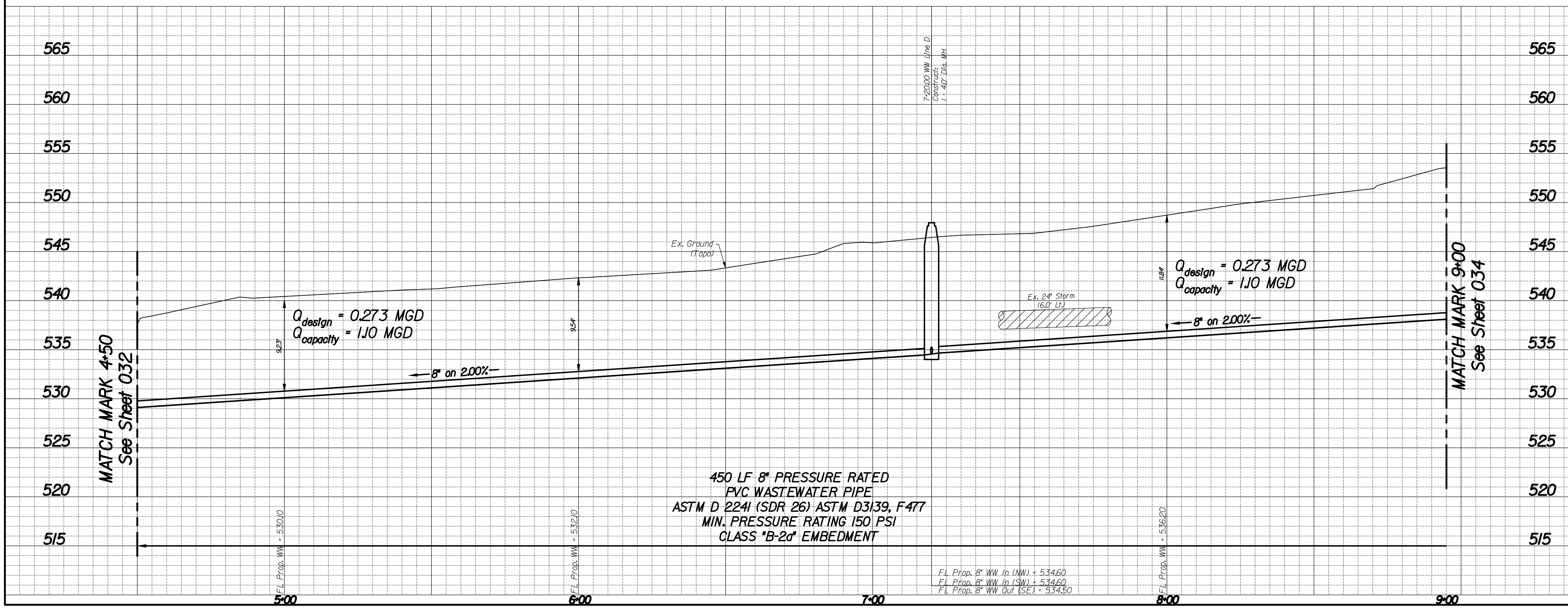
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	411Q	1722A	032



Notes:
 1. See Sheet 411Q-1791B Sh. 2 for General Notes.
 2. The Ground Survey was performed by BDS Technologies, Inc. in January 2021. The design relies on the assumptions provided by the survey.

Line 'D'
CONSTRUCT 8\"/>



REVISIONS					
REV NO.	DATE	DESCRIPTION	BY		
BENCHMARKS & CONTROL POINTS					
BENCHMARK *2241 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection. ELEV = 571.852 MAPSCO 619					
BENCHMARK *2238 Std WDBM on the southeast corner of concrete storm sewer inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Killough Blvd. ELEV = 622.366 MAPSCO F19					
CONTROL POINT *565 Iron Rod N. 6924592.396; E. 2491682.000; ELEV. = 543.887					
Horizontal Scale: 1" = 20'					
Vertical Scale: 1" = 6'					
REFERENCES					
WATER 59-24W, 60-24W, 61-24W, 62-24W					
WASTEWATER 59-24S, 60-24S, 61-24S, 62-24S					
Kimley»Horn					
PID: 6673		CONTRACT NO. 20-505/506			
8\"/> 					
KILLOUGH WASCO EXTENSION UNIVERSITY HILLS BLVD DALLAS WATER UTILITIES CITY OF DALLAS, TEXAS					
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	411Q	1722A	033

MATCH MARK
9+00 WASTEWATER LINE D
See Sheet 033

BLK 7605
RKCJ LLC
1801 E. Wheatland Rd.
Dallas, TX 75241-5604
1801 E. Wheatland Rd.

BLK 7606
LOT 15
Leon Jackson
703 Oceanview Dr.
Dallas, TX 75232
1536 Wasco Ln.

BLK 7606
LOT 15
Leon Jackson
703 Oceanview Dr.
Dallas, TX 75232
1526 Wasco Ln.

BLK 7606
LOT 16
Opheia Barber
2502 Southwood Dr.
Dallas, TX 75233
1516 Wasco Ln.

30' Prop. Utility Esmt.

8' B'darc

30' Cedar

8' B'darc

30' Cedar

10+38.55 WW Line D
N 6924928.35
E 2491476.93
Construct:
1 - 4.0' Dia. MH
ΔH = 90.10' Lt.

Prop. 8" WW Line D

CP#407
5/8" CIRS

WASCO LN.
60' RIGHT-OF-WAY

Prop. 8" WW Line D

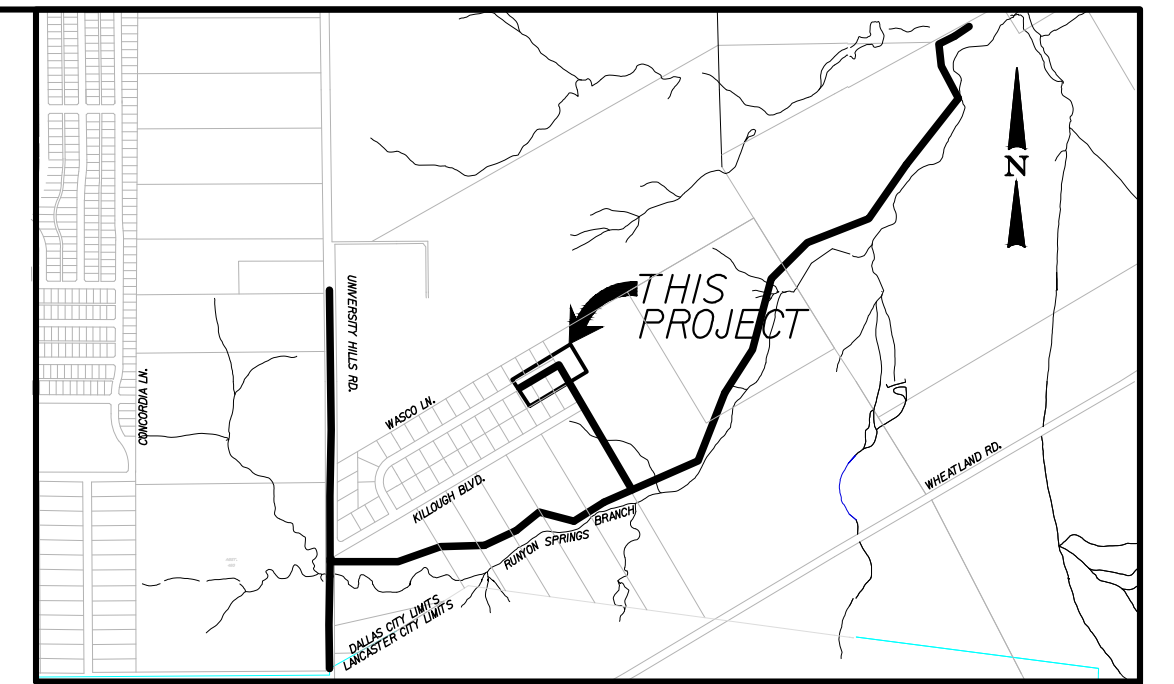
Water Line I
See 411Q-1722A Sheet 038

Prop. 8" Water Line I

CONSTRUCT 8" WASTEWATER MAIN

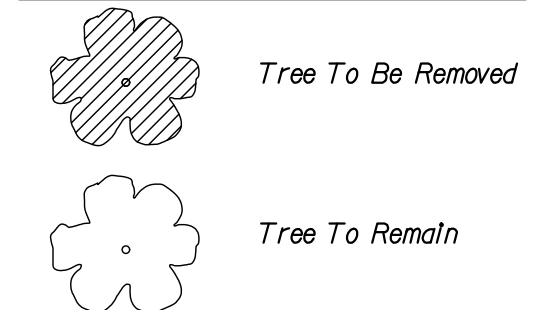
MATCH MARK
13+50 WASTEWATER LINE D
See Sheet 035

12+73.67 WW Line D
N 6924807.37
E 2491275.33
Prop. Lateral for
Automatic Flush Pt.



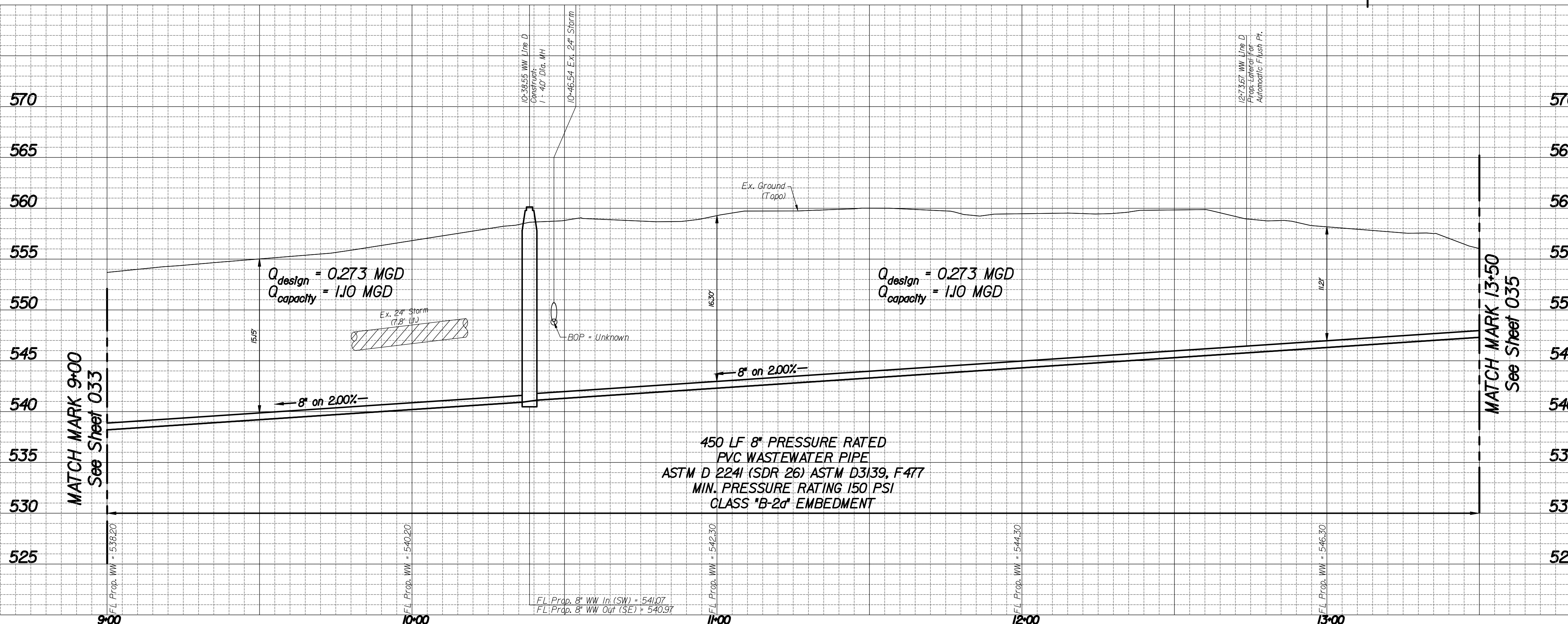
PID: MAPSCO: 65 X & 75 B

Legend



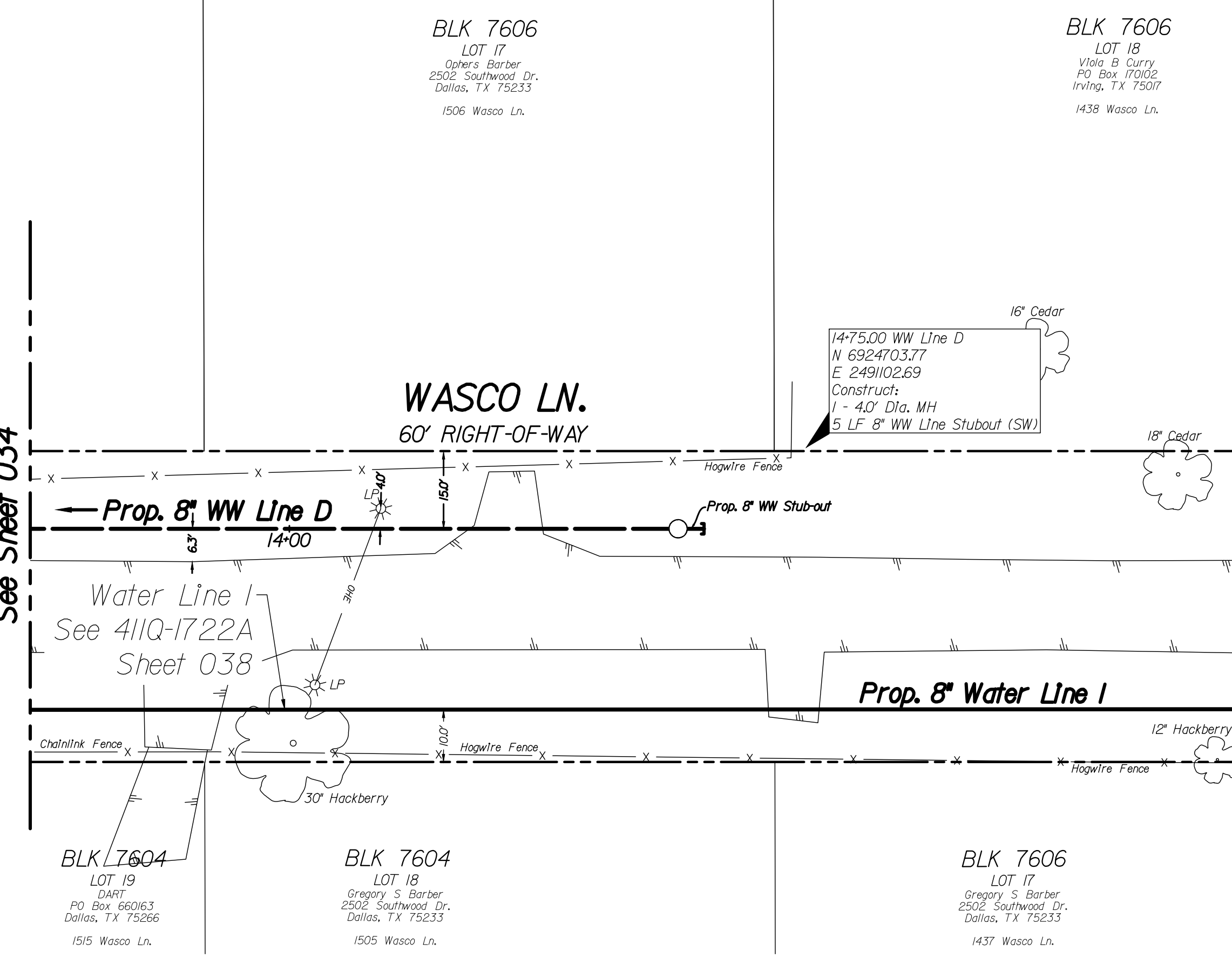
Notes:

- See Sheet 411Q-1791B Sh. 2 for General Notes.
- The Ground Survey was performed by BDS Technologies, Inc. in January 2021. The design relies on the assumptions provided by the survey.

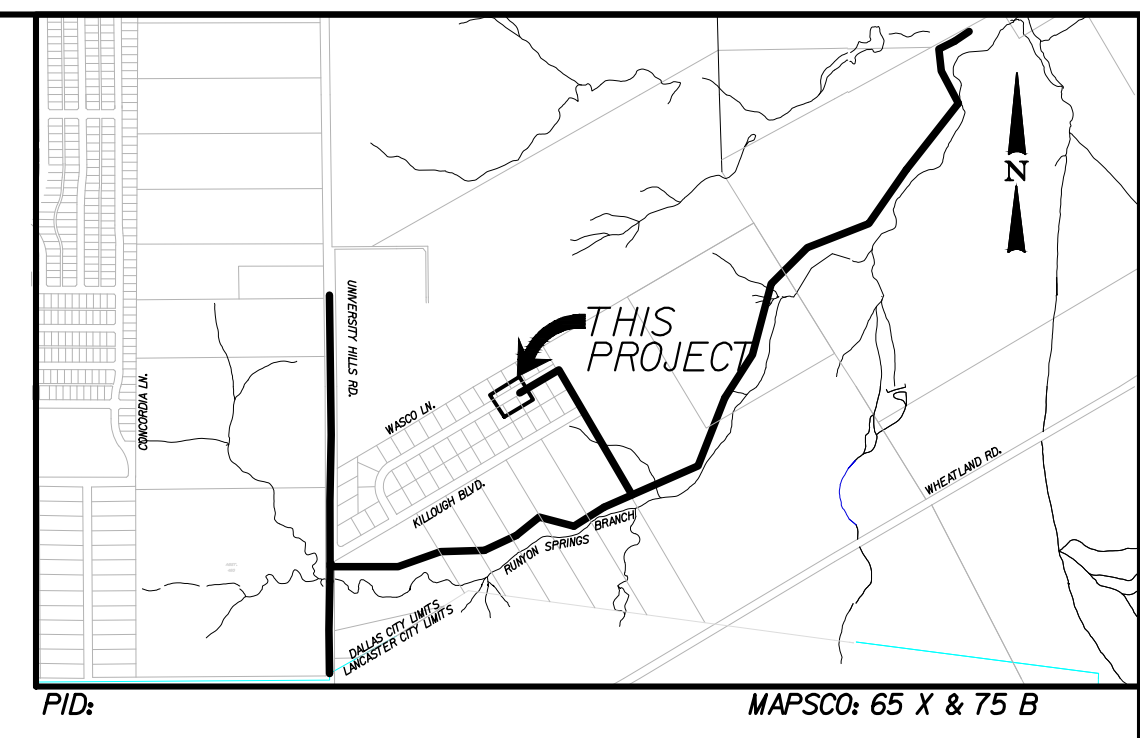
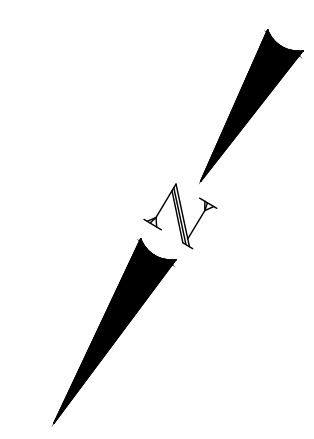


REVISIONS				
REV NO.	DATE	DESCRIPTION	BY	
BENCHMARKS & CONTROL POINTS				
BENCHMARK *2241 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection. ELEV = 571.652 MAPSCO 619				
BENCHMARK *2238 Std WDBM on the southeast corner of concrete storm sewer Inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd. ELEV = 622.366 MAPSCO F19				
CONTROL POINT *406 Mag Nail Set In Asphalt N. 6924806.369; E. 2491241.661; ELEV. = 559.122				
CONTROL POINT *407 8" Iron Rod N. 6924937.536; E. 2491481.323; ELEV. = 558.862				
Horizontal Scale: 1" = 20'				
Vertical Scale: 1" = 6'				
REFERENCES				
WATER 59-24W, 60-24W, 61-24W, 62-24W				
WASTEWATER 59-24S, 60-24S, 61-24S, 62-24S				
Kimley»Horn				
PID: 6673		CONTRACT NO. 20-505/506		
8" WASTEWATER				
KILLOUGH WASCO EXTENSION UNIVERSITY HILLS BLVD				
DALLAS WATER UTILITIES CITY OF DALLAS, TEXAS				
DESIGN	DRAWN	DATE	FILE	NUMBER
AKM	JDC	FEB 2021	411Q	1722A
				SHEET
				034

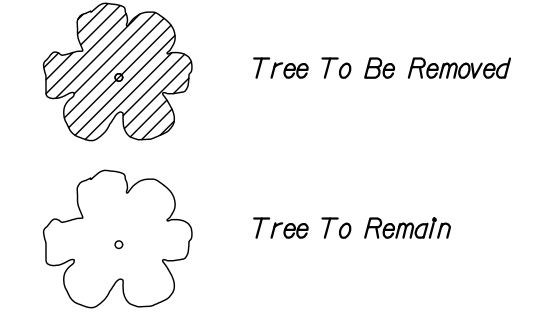
MATCH MARK
13+50 WASTEWATER LINE D
See Sheet 034



Line "D"
CONSTRUCT 8" WASTEWATER MAIN



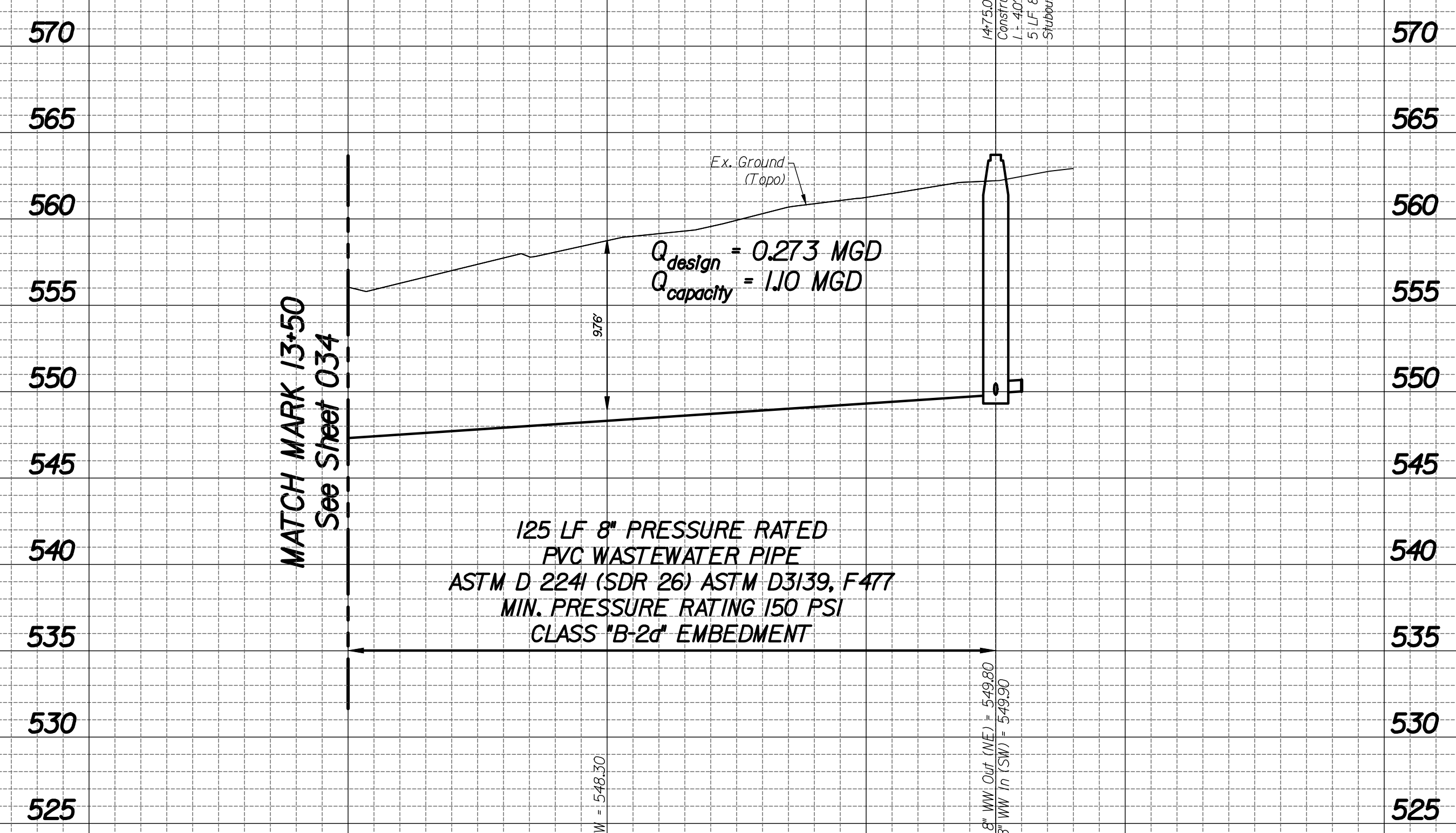
Legend



CAUTION ~ POWER !
Overhead Electrical Cables In Area
Contact Oneor Two Working
Days Prior To Construction.
Tele: 1-888-313-6862

Notes:

1. See Sheet 411Q-1791B Sh. 2 for General Notes.
2. The Ground Survey was performed by BDS Technologies, Inc. in January 2021. The design relies on the assumptions provided by the survey.



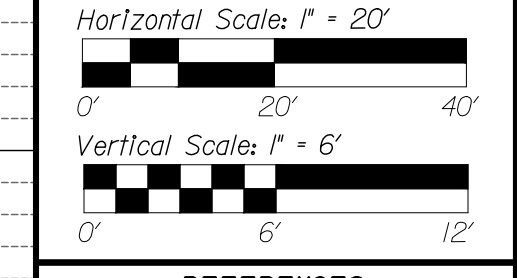
REV NO.	DATE	REVISIONS DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK *2241
Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection.
ELEV = 571.652 MAPSCO 619

BENCHMARK *2238
Std WDBM on the southeast corner of concrete storm sewer Inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd.
ELEV = 622.366 MAPSCO F19

CONTROL POINT *406
Mag Nail Set In Asphalt
N. 6924806.369; E. 2491241.661; ELEV. = 559.122



REFERENCES

WATER
59-24W, 60-24W, 61-24W, 62-24W

WASTEWATER
59-24S, 60-24S, 61-24S, 62-24S

Kimley»Horn

PID: 6673 CONTRACT NO. 20-505/506

8" WASTEWATER

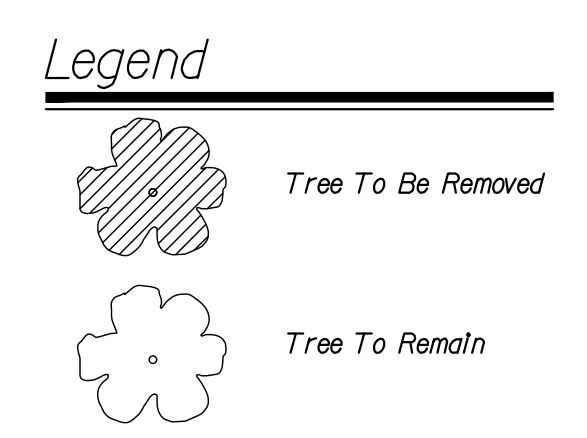
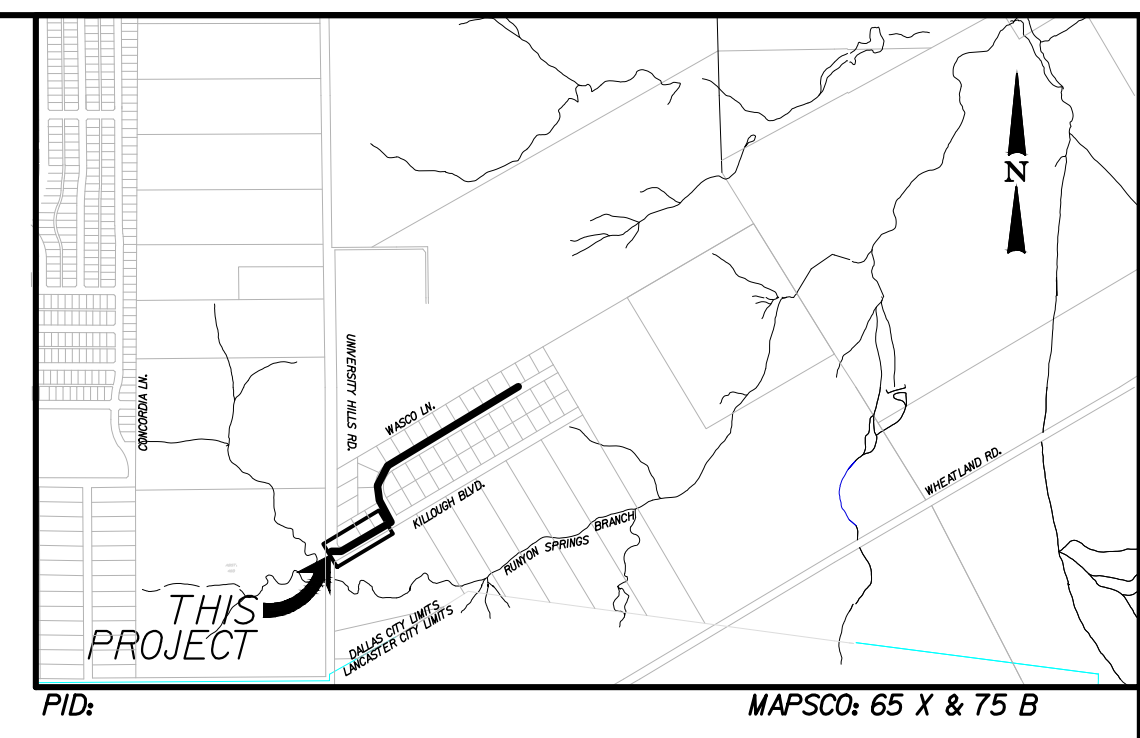
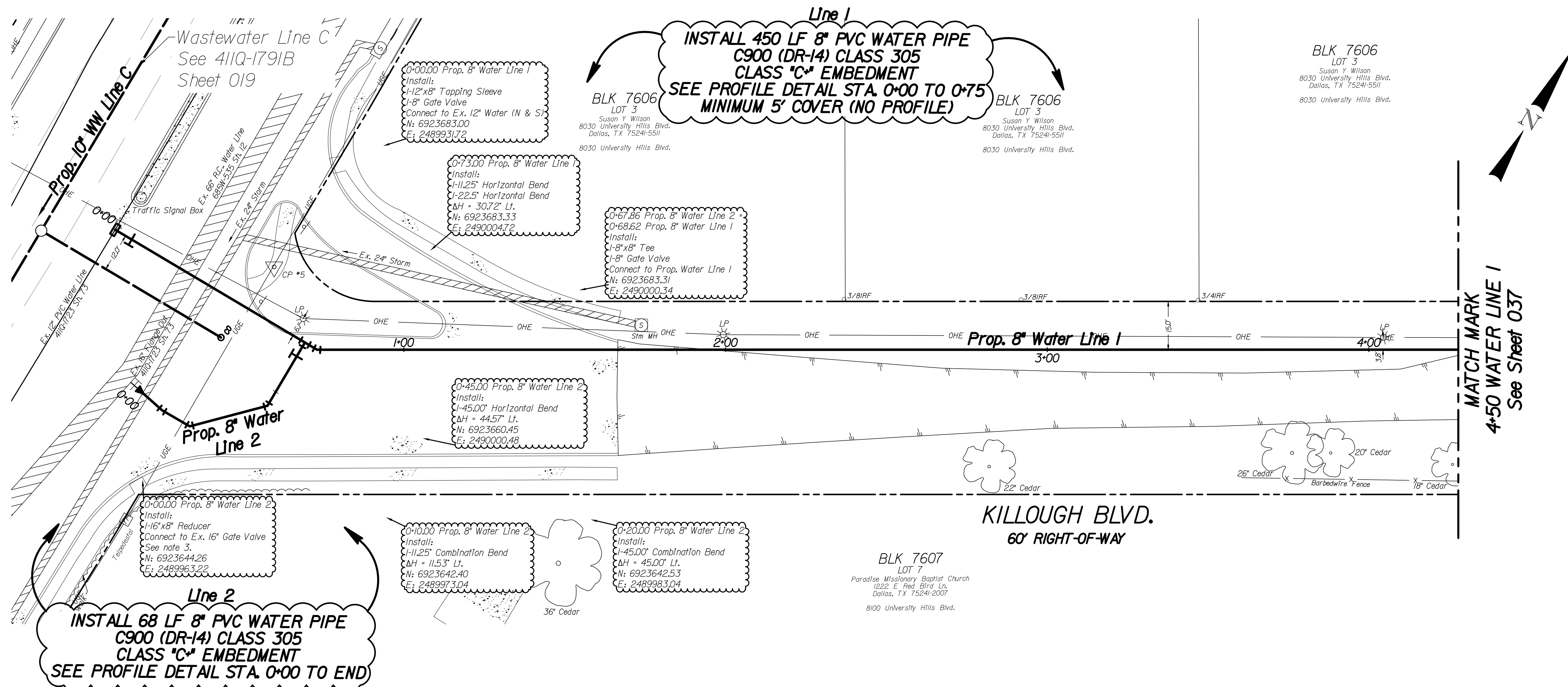
KILLOUGH WASCO EXTENSION

UNIVERSITY HILLS BLVD

DALLAS WATER UTILITIES

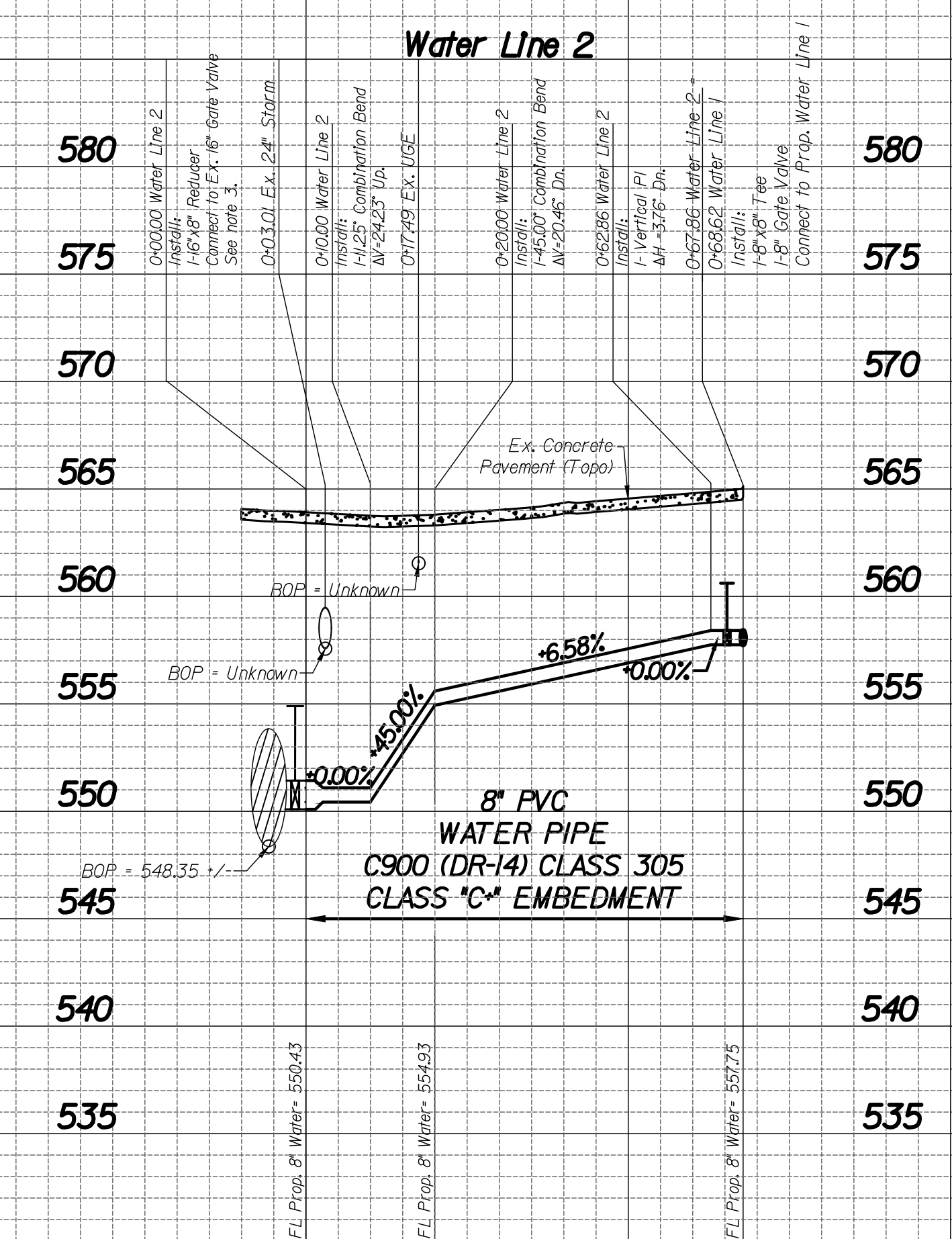
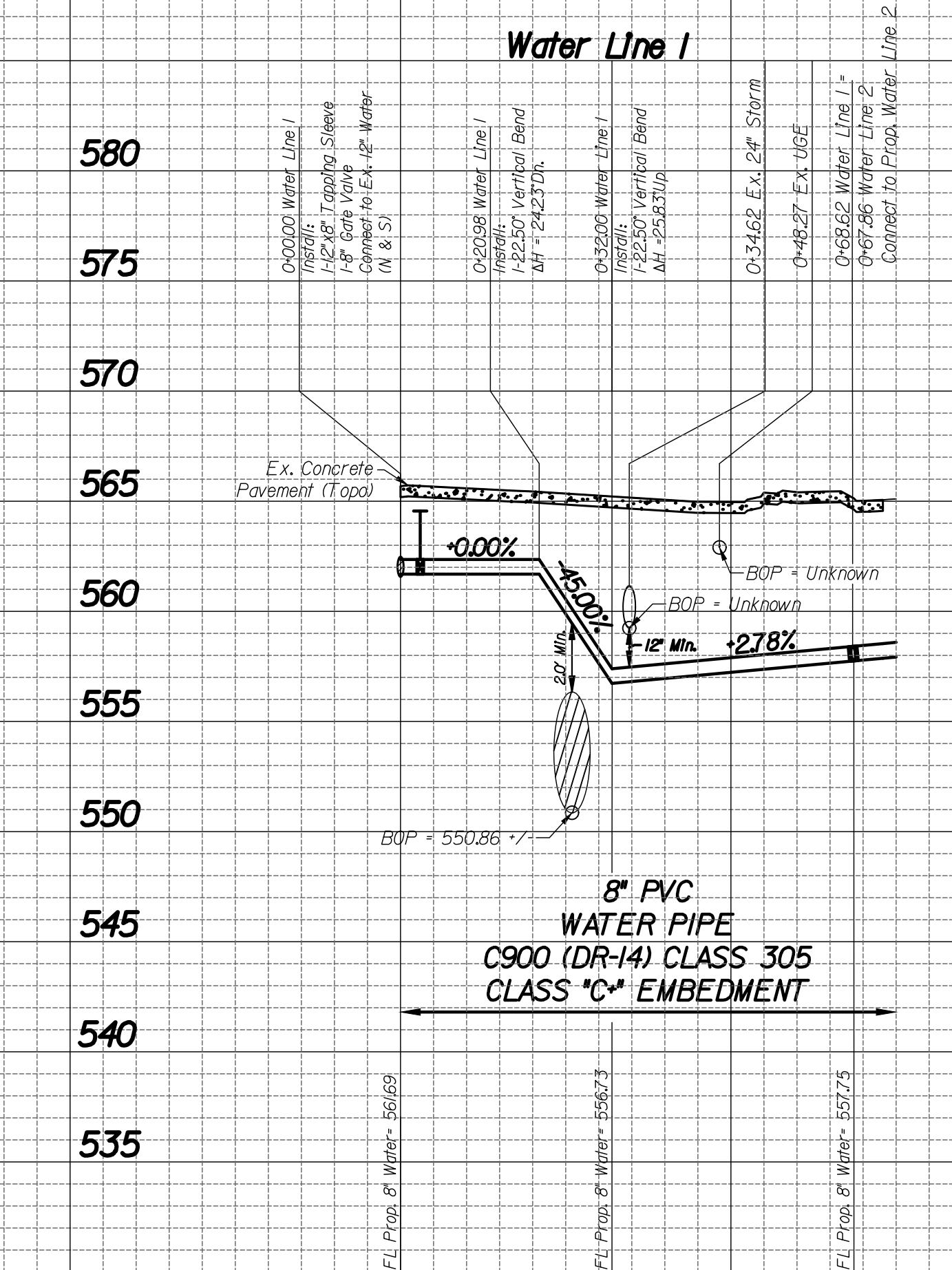
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	411Q	1722A	035



CAUTION ~ POWER !
 Overhead Electrical Cables In Area
 Contact Once Two Working
 Days Prior To Construction.
 Tele: 1-888-313-6862

- Notes:**
- See Sheet 410-1791B Sh. 2 for General Notes.
 - The Ground Survey was performed by BDS Technologies, Inc. in January 2021. The design relies on the assumptions provided by the survey.
 - Existing 66" water line, 16" flanged outlet and 16" gate valve are drawn in per 12" water line record drawings (410-1723 Sh. 7.3). Contractor shall confirm 16" flanged outlet and gate valve location in field prior to construction.



REV. NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK *2241
 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection.
 ELEV. = 571.652 MAPSCO 619

BENCHMARK *2238
 Std WDBM on the southeast corner of concrete storm sewer Inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd.
 ELEV. = 622.366 MAPSCO F19

CONTROL POINT *5
 1" Cut
 N. 6923698.509; E. 2489980.054; ELEV. = 565.71

CONTROL POINT *402
 Mag Nail Set In Asphalt
 N. 6923878.827; E. 2490353.141; ELEV. = 575.42

CONTROL POINT *403
 Mag Nail Set In Asphalt
 N. 6924466.634; E. 2490261.356; ELEV. = 582.80

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

REFERENCES

WATER
 59-24W, 60-24W, 61-24W, 62-24W

WASTEWATER
 59-24S, 60-24S, 61-24S, 62-24S

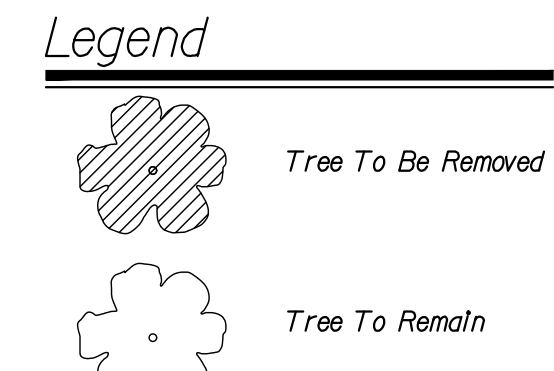
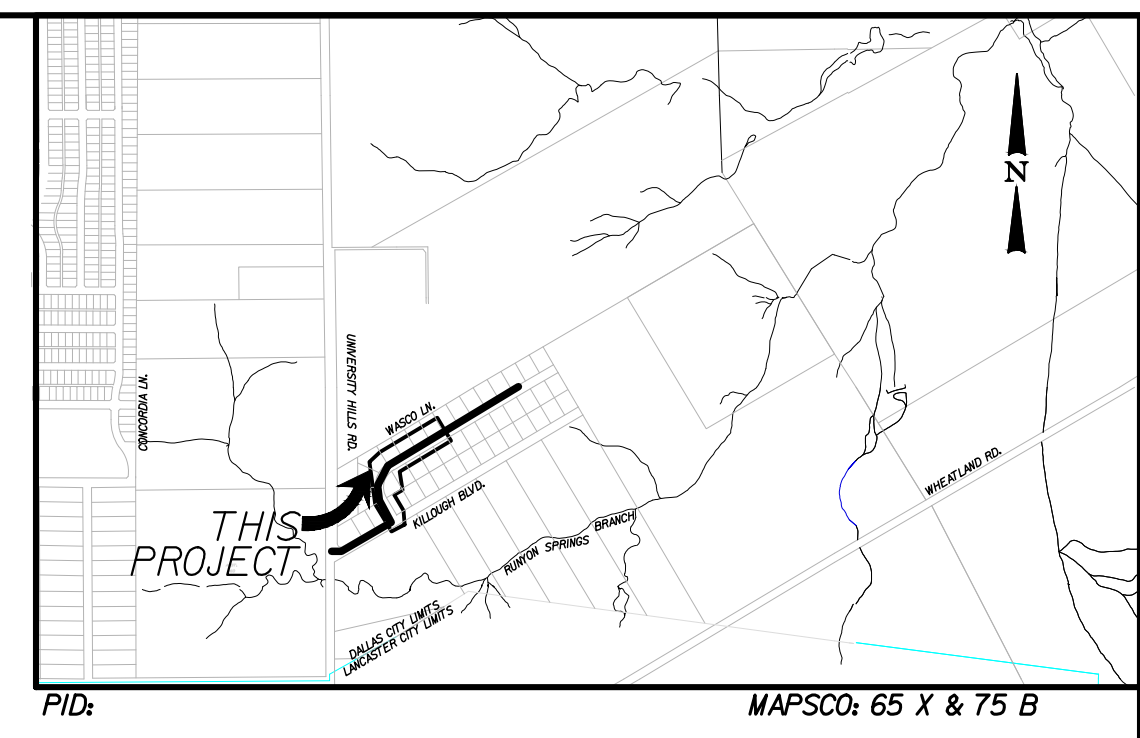
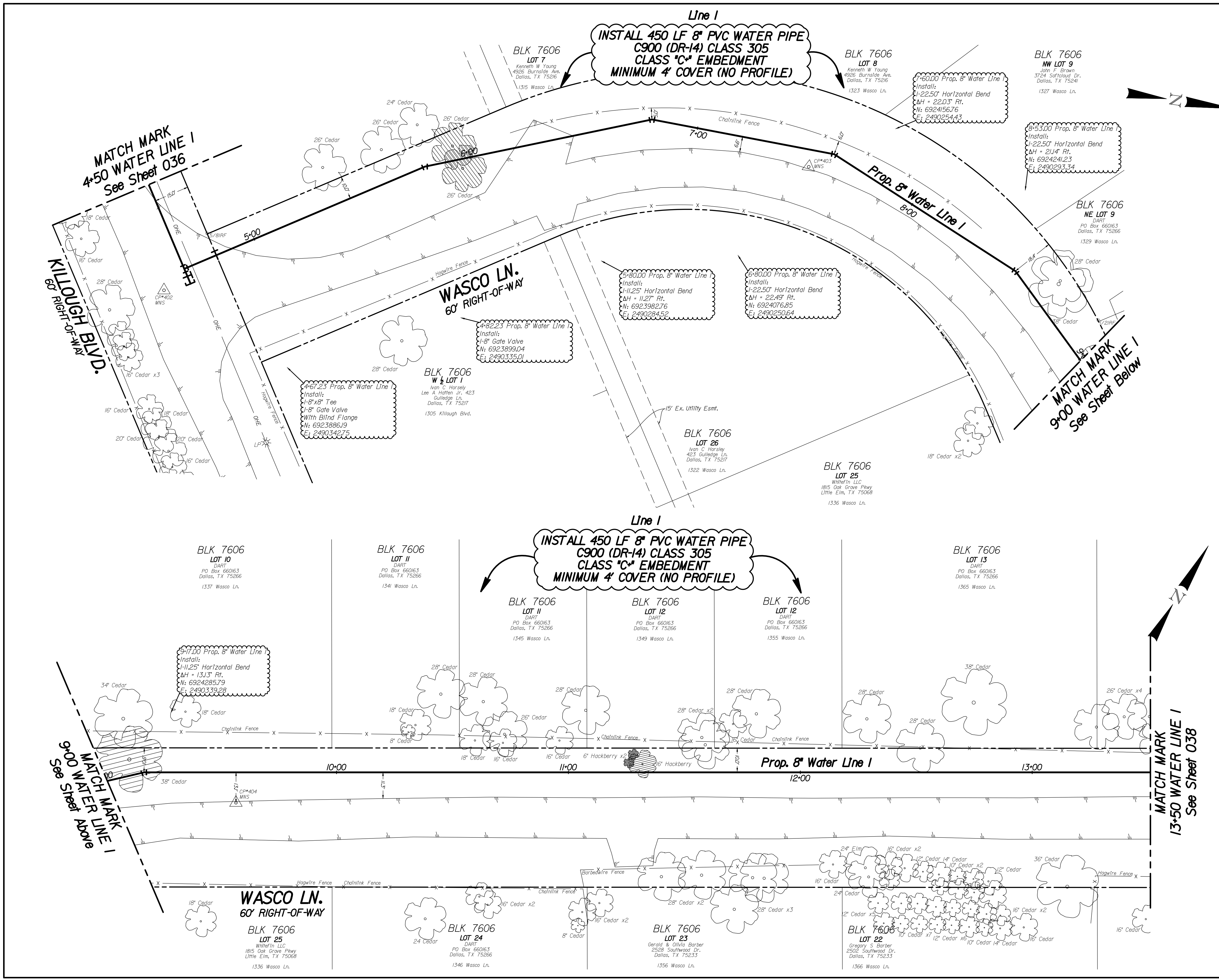
Kimley»Horn

PID: 6672, 6673 CONTRACT NO. 20-505/506

8" WATER

KILLOUGH WASCO EXTENSION
UNIVERSITY HILLS BLVD
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	41Q	1722A	036



Notes:
 1. See Sheet 41IQ-1791B Sh. 2 for General Notes.
 2. The Ground Survey was performed by BDS Technologies, Inc. in January 2021. The design relies on the assumptions provided by the survey.

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

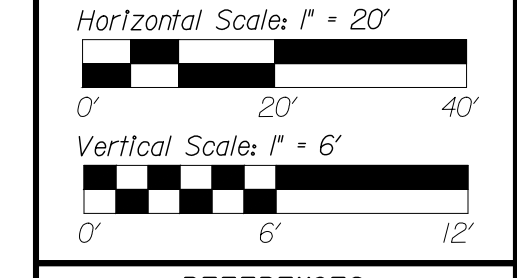
BENCHMARKS & CONTROL POINTS

BENCHMARK *2241
 Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection.
 ELEV = 571.652 MAPSCO 019

BENCHMARK *2238
 Sid WDBM on the southeast corner of concrete storm sewer Inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd.
 ELEV = 622.366 MAPSCO F19

CONTROL POINT *404
 Map Nail Set In Asphalt
 N: 6924294.365; E: 2490379.983; ELEV. = 578.08

CONTROL POINT *405
 Map Nail Set In Asphalt
 N: 6924554.588; E: 2490808.915; ELEV. = 571.50



REFERENCES	
WATER	59-24W, 60-24W, 61-24W, 62-24W
WASTEWATER	59-24S, 60-24S, 61-24S, 62-24S

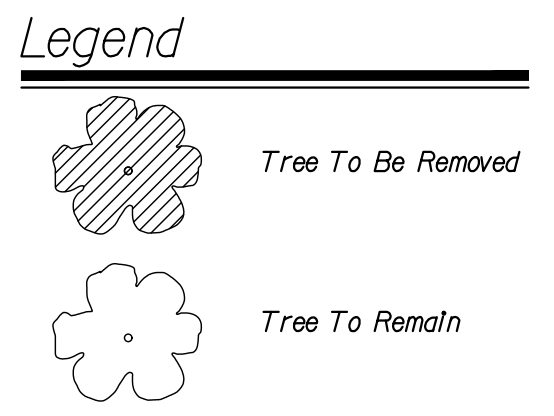
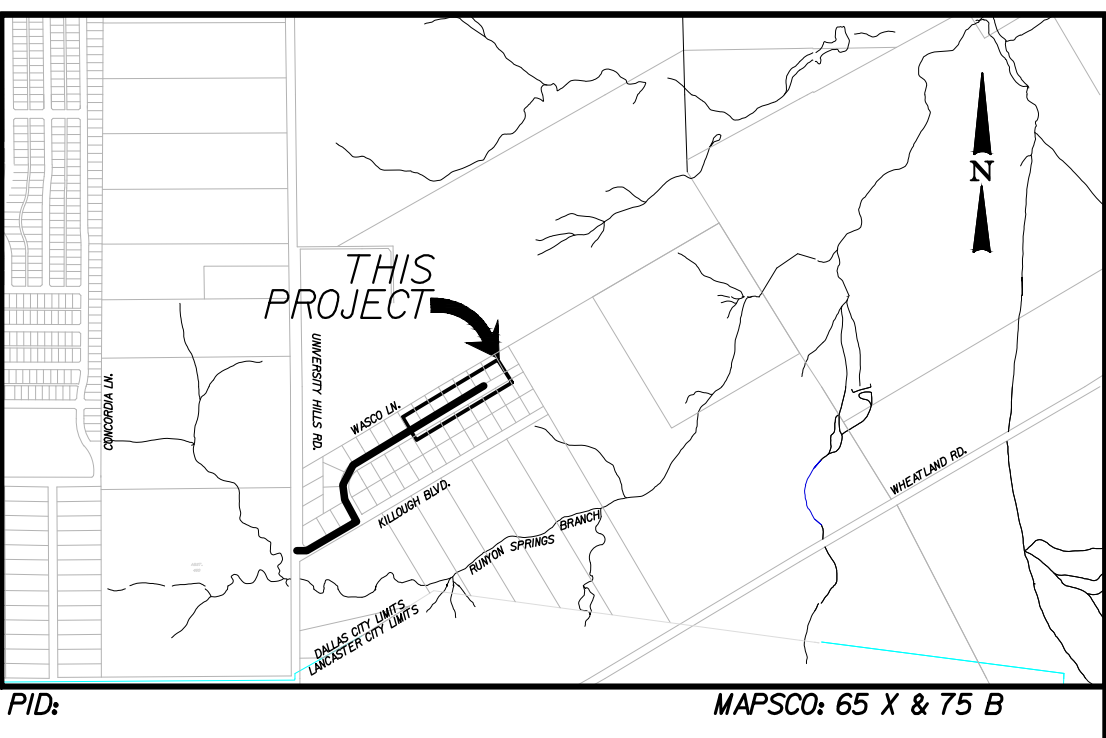
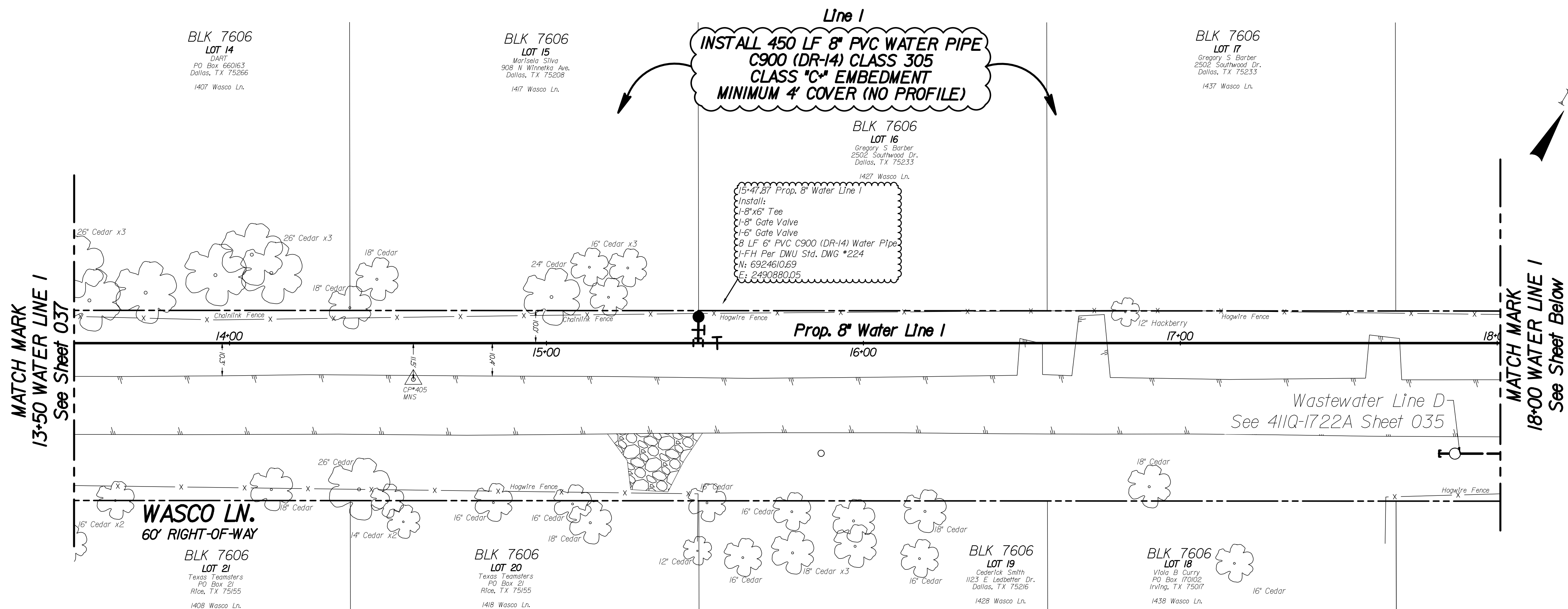
Kimley»Horn

PID: 6673 CONTRACT NO. 20-505/506

8" WATER

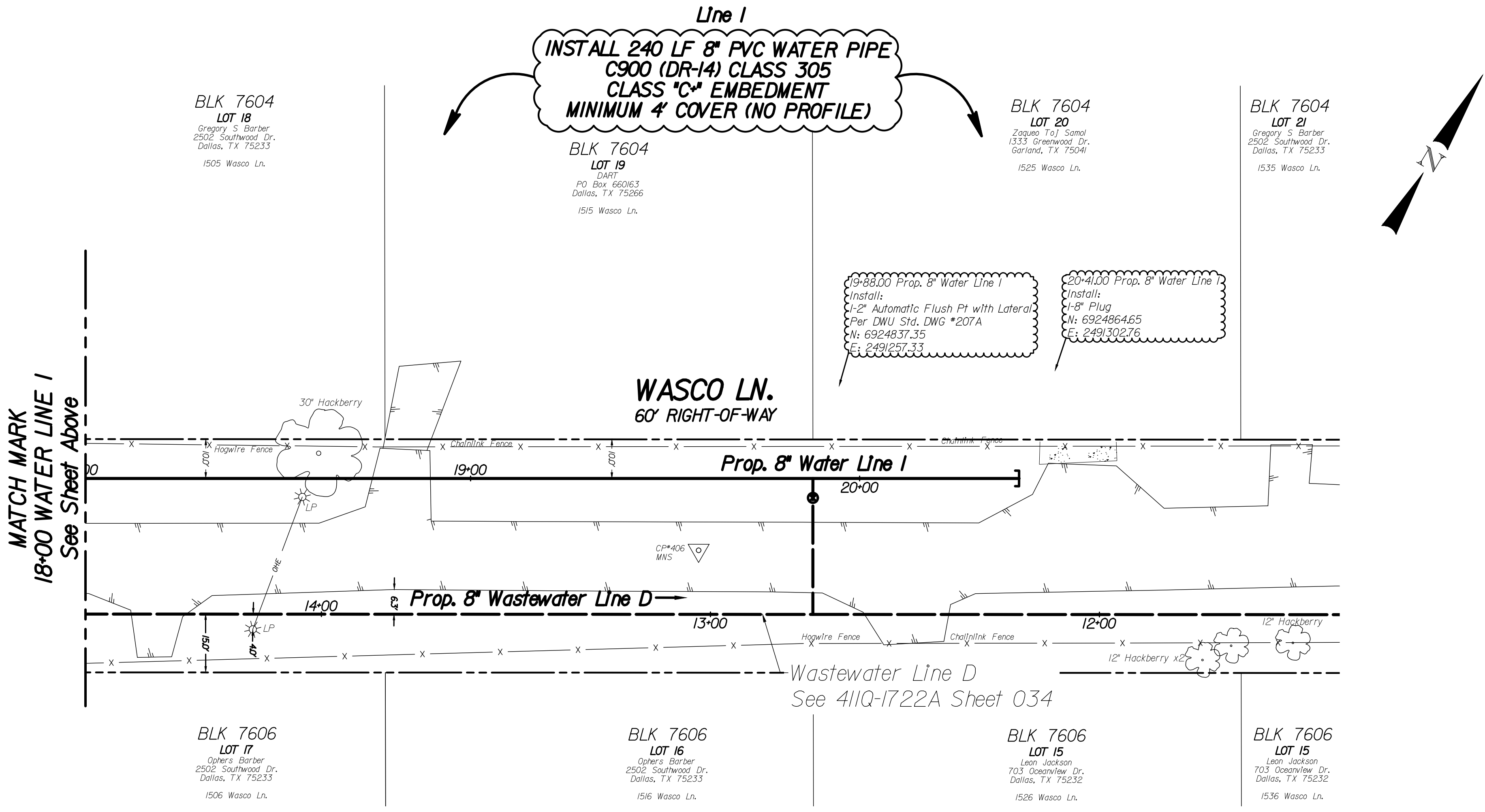
KILLOUGH WASCO EXTENSION
UNIVERSITY HILLS BLVD
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	41IQ	1722A	037



CAUTION ~ POWER !
Overhead Electrical Cables In Area
Contact Onor Two Working
Days Prior To construction.
Tele: 1-888-313-6862

- Notes:**
- See Sheet 411Q-1791B Sh. 2 for General Notes.
 - The Ground Survey was performed by BDS Technologies, Inc. In January 2021. The design relies on the assumptions provided by the survey.



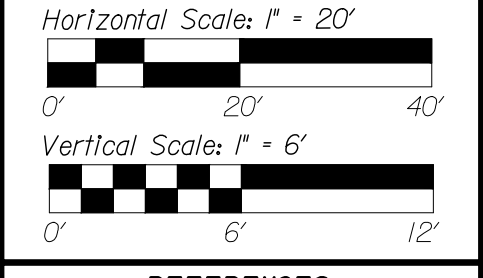
REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

BENCHMARKS & CONTROL POINTS

BENCHMARK *2241
Found at the nose of the concrete median on the north side of the Wheatland Rd and University Hills Blvd Intersection.
ELEV = 571.652 MAPSCO 619

BENCHMARK *2238
Sid WDBM on the southeast corner of concrete storm sewer inlet on the south side Beckleymeade Ave at Ricketts Branch and 25 feet east of Willoughby Blvd.
ELEV = 622.366 MAPSCO F19

CONTROL POINT *406
Mag Nail Set In Asphalt
N: 6924806.369; E: 2491241.661; ELEV. = 559.12



REFERENCES

WATER
59-24W, 60-24W, 61-24W, 62-24W
WASTEWATER
59-24S, 60-24S, 61-24S, 62-24S

Kimley»Horn

PID: 6673 CONTRACT NO. 20-505/506

8" WATER

KILLOUGH WASCO EXTENSION
UNIVERSITY HILLS BLVD
DALLAS WATER UTILITIES
CITY OF DALLAS, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
AKM	JDC	FEB 2021	411Q	1722A	038