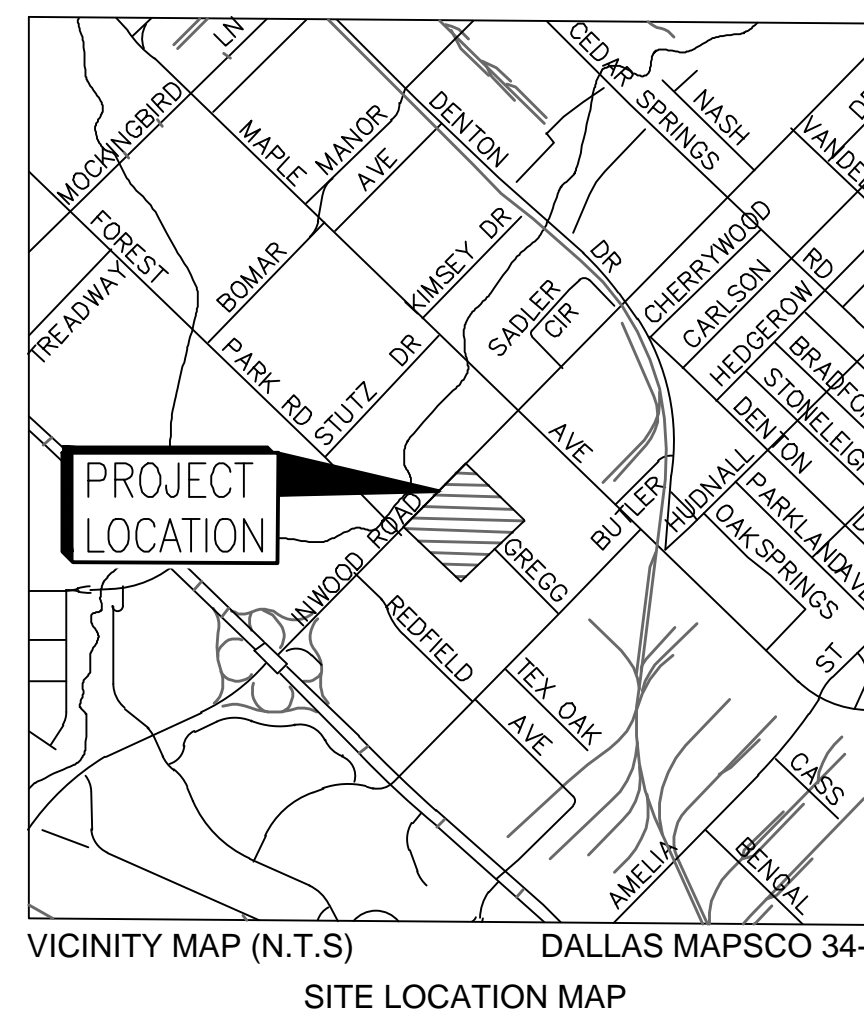


# CIVIL ENGINEERING PLANS FOR UTSW BMES UTILITY RELOCATION CRAWFORD GRIGSBY SURVEY, ABSTRACT NO. 533 2330 INWOOD DRIVE, DALLAS TX

**GENERAL NOTES (ALL DISCIPLINES):**

1. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE CONTRACT DOCUMENTS, SPECIFICATIONS AND PLANS, INCLUDING ALL NOTES, THE CITY OF DALLAS SPECIFICATIONS AND ANY OTHER APPLICABLE STANDARDS OR SPECIFICATIONS RELEVANT TO THE PROPER COMPLETION OF THE WORK SPECIFIED. FAILURE ON THE PART OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL STANDARDS OR SPECIFICATIONS PERTAINING TO THIS WORK SHALL IN NO WAY RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR PERFORMING THE WORK IN ACCORDANCE WITH ALL SUCH APPLICABLE STANDARDS AND SPECIFICATIONS.
2. CONTRACTOR SHALL HAVE IN HIS POSSESSION, PRIOR TO CONSTRUCTION, ALL NECESSARY PERMITS, LICENSES, ETC.
3. A STREET EXCAVATION PERMIT IS REQUIRED BEFORE WORK MAY BEGIN. APPLICATIONS MUST BE SUBMITTED IN ROOM 312, OAK CLIFF MUNICIPAL CENTER AT LEAST 48 HOURS (TWO WORKING DAYS) BEFORE BEGINNING CONSTRUCTION. FOR MORE INFORMATION CALL 214-948-4402, JOE SMETAK.
4. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS, LATEST EDITION, AND THE CITY OF DALLAS MOBILITY AND STREET SERVICES DEPARTMENT ADDENDUM.
5. DURING THE CONSTRUCTION OF THESE IMPROVEMENTS, ANY INTERPRETATION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS, AND ANY MATTER WHICH REQUIRES THE APPROVAL OF THE OWNER, MUST BE APPROVED BY THE DIRECTOR OF MOBILITY AND STREET SERVICES DEPARTMENT OR HIS DESIGNEE BEFORE ANY CONSTRUCTION INVOLVING THAT DECISION COMMENCES. ASSUMPTIONS ABOUT WHAT THESE DECISIONS MIGHT BE WHICH ARE MADE DURING THE BIDDING PHASE WILL HAVE NO BEARING ON THE DECISION.
7. FOR ADJUSTMENT OF DALLAS WATER UTILITIES APPURTENANCES OR TO VERIFY LOCATIONS OF EXISTING WATER AND WASTEWATER MAINS IN AREA, CALL 214-670-1770 AT LEAST (3) THREE WORKING DAYS PRIOR TO CONSTRUCTION.
8. STREETS, ALLEYS, SIDEWALKS, DRIVEWAYS, AND STORM DRAINAGE FACILITIES IN THE PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE CITY OF DALLAS, STANDARD CONSTRUCTION DETAILS, FILE 251D-1, LATEST EDITION.
9. ALL CONCRETE FOR PAVEMENT SHALL BE 4000 PSI FOR MACHINE FINISH AND 4500 PSI IF IT IS NECESSARY FOR HAND FINISH.
10. USE OF FLY ASH OR ANY CHEMICAL ADMIXTURE IN CONCRETE WILL REQUIRE PRIOR APPROVAL FROM THE DIRECTOR OF PUBLIC WORKS AND TRANSPORTATION AND WILL BE SUBJECT TO SPECIAL MONITORING AND INSPECTION OF THE WORK AS PROVIDED IN THE CITY OF DALLAS ADDENDUM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS. FLY ASH SHALL NOT BE USED IN HAND FINISH CONCRETE.
11. CONSTRUCTION INSPECTION WILL BE PERFORMED BY REPRESENTATIVES OF THE OWNER, ENGINEER, GEOTECHNICAL ENGINEER, AND REVIEWING AUTHORITIES AND AGENCIES. UNRESTRICTED ACCESS SHALL BE PROVIDED TO THEM AT ALL TIMES. CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING AND SCHEDULING REQUIRED INSPECTIONS.
12. CERTAIN CONSTRUCTION STAKING MAY BE PERFORMED BY THE OWNER'S SURVEYOR. SEE THE CONTRACT DOCUMENTS FOR DETAILS OF THIS SERVICE.
13. IF UNFORESEEN PROBLEMS OR CONFLICTS ARE ENCOUNTERED IN THE CONSTRUCTION, FOR WHICH AN IMMEDIATE SOLUTION IS NOT APPARENT, THE ENGINEER AND OWNER SHALL BE NOTIFIED IMMEDIATELY.
14. OTHER CONSTRUCTION WILL BE UNDERWAY AT THE SAME TIME AND IN THE SAME GENERAL AREA WHICH IS ENCOMPASSED BY THIS CONTRACT. THIS CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS TO ESTABLISH A CONSTRUCTION SEQUENCE WHICH WILL CAUSE THE LEAST HINDRANCE TO ALL.
15. IT WILL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO PROTECT ALL EXISTING PUBLIC AND PRIVATE UTILITIES THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANIES FOR LINE LOCATIONS AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL ASSUME FULL LIABILITY TO THOSE COMPANIES FOR ANY DAMAGES CAUSED TO THEIR FACILITIES. CONTACT THE CITY OF DALLAS AT LEAST (3) THREE WORKING DAYS PRIOR TO CONSTRUCTION FOR ALL CITY RELATED IMPROVEMENTS.  
  
CITY OF DALLAS LINE LOCATE..... 311  
CITY OF DALLAS, PUBLIC WORKS INSPECTION..... 214-948-4290 OR 214-670-5313  
DWU CONSTRUCTION INSPECTION..... 214-670-8109  
DWU, WASTEWATER COLLECTION DIVISION..... 214-670-8003  
FRANCHISE UTILITIES..... TEXAS 811
16. ALL CONTRACTORS MUST CONFINE THEIR ACTIVITIES TO THE WORK AREA. NO ENCROACHMENTS ONTO ADJACENT PROPERTIES WILL BE ALLOWED UNLESS SPECIFIED IN THE PLANS. ANY DAMAGE RESULTING THEREFROM SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR.
17. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
18. A TRAFFIC CONTROL PLAN (TCP) MUST BE SUBMITTED TO THE DEPARTMENT OF TRANSPORTATION FOR REVIEW AND APPROVAL BY THE TRAFFIC SAFETY COORDINATORS PRIOR TO CONSTRUCTION. NO TRAFFIC LANE OR SIDEWALK ALONG THE PUBLIC STREET OR ALLEY IS TO BE CLOSED WITHOUT FIRST OBTAINING THE APPROPRIATE PERMIT(S). CLOSURE OF ANY TRAFFIC LANE MUST BE RESTRICTED TO THE HOURS OF 9:00 A.M. TO 3:30 P.M. WORKDAYS. CONTRACTOR MUST CALL (214)-670-6904 TO OBTAIN A PERMIT.



PLANS, PROFILES AND DETAILS APPROVED FOR THIS PROJECT		
FILE	SHEETS	DESCRIPTION
311T-XXXX	C01	COVER SHEET
311T-XXXX	C04.01	EXISTING CONDITIONS PLAN
311T-XXXX	C04.02	DEMOLITION PLAN
311T-XXXX	C04.03	UTILITY DEMOLITION PLAN
311T-XXXX	C08.01	EX. DRAINAGE AREA MAP
311T-XXXX	C08.02	PROP. DRAINAGE AREA MAP
311T-XXXX	C08.03	OFFSITE DRAINAGE AREA MAP
311T-XXXX	C08.04	DRAINAGE CALCULATIONS
311T-XXXX	C09.01	STORM SEWER PLAN OVERALL
311T-XXXX	C09.02	STORM SEWER PLAN
311T-XXXX	C09.03	STORM SEWER PLAN
311T-XXXX	C09.04	STORM SEWER PLAN
311T-XXXX	C09.05	STORM SEWER PLAN
311T-XXXX	C09.06	STORM SEWER PROFILE
311T-XXXX	C09.07	STORM SEWER PROFILE
311T-XXXX	C09.08	STORM SEWER PROFILE
311T-XXXX	C09.09	STORM SEWER PROFILE
311T-XXXX	C09.50	STORM SEWER DETAILS
411Q-XXXX	C10.01	WATER & WASTEWATER OVERALL PLAN
411Q-XXXX	C10.02	WATER & WASTEWATER PLAN
411Q-XXXX	C10.03	WATER & WASTEWATER PLAN
411Q-XXXX	C10.04	WATER & WASTEWATER PLAN
411Q-XXXX	C10.05	WATER & WASTEWATER PLAN
411Q-XXXX	C10.06	WASTEWATER PROFILE
311T-XXXX	C11.01	EROSION CONTROL PLAN
311T-XXXX	C11.50	EROSION CONTROL DETAILS
251D-1	SET	CITY OF DALLAS DEPARTMENT OF PUBLIC WORKS STANDARD CONSTRUCTION DETAILS, UPDATED: SEPT 2002



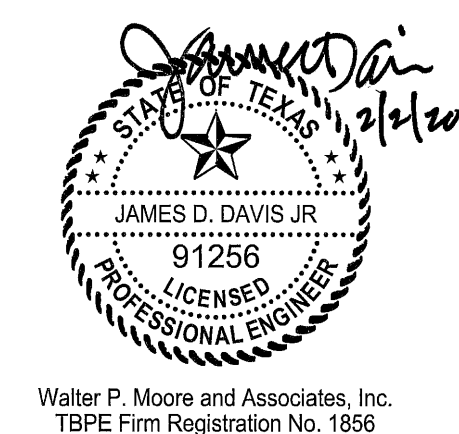
**OWNER**  
Juan M. Guerra, Jr., P.E.  
juan.guerra@utsouthwestern.edu  
5323 Harry Hines Blvd  
Dallas, Texas 75390  
Phone: 214-648-2400

**CIVIL ENGINEER**  
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jdavis@walterpmoore.com

**MARTINEZ MOORE ENGINEERS**  
MARTINEZ MOORE ENGINEERS, LLC  
221 WEST 6TH ST., SUITE 800  
AUSTIN, TX 78701  
PHONE: 512-330-1278

**walter p moore**  
Walter P Moore and Associates, Inc.  
500 North Akard Street, Suite 2300  
Dallas, Texas 75201  
TBPE Firm Registration No. 1856  
214.740.6200

**SURVEYOR**  
Kyle Harris, RPLS  
Pacheco Koch  
7557 Rambler Road, Suite 1400  
Dallas, TX 75231  
Phone: (972)-235-3031  
kharris@pkce.com



CONTRACT INFORMATION	
CONTRACT NO. _____	DATE _____
CONTRACTOR _____	_____

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
	02/24/2021	ISSUE FOR BID	

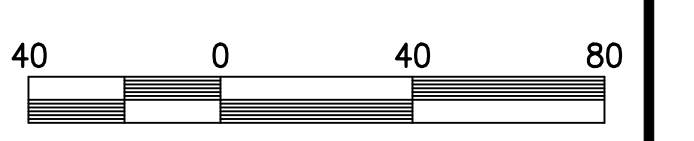
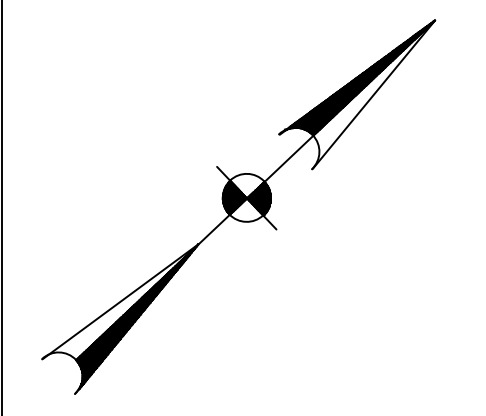
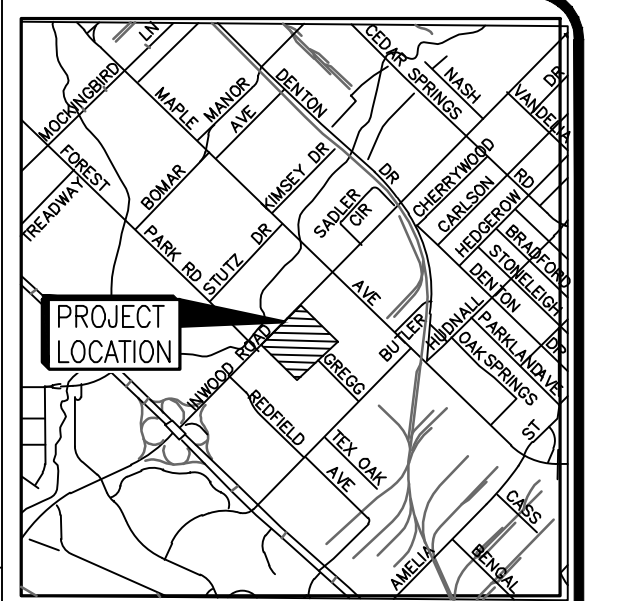
**MARTINEZ MOORE ENGINEERS**      MARTINEZ MOORE ENGINEERS, LLC  
221 WEST 6TH ST., SUITE 800  
AUSTIN, TX 78701  
PHONE: 512-330-1278

PLAT NO.	BLDG PERMIT NO.	SD&C ENGINEERING TRACKING NOS.
N/A	N/A	WW21-XXX      DP21-XXXX

**COVER SHEET**  
**UTSW BMES UTILITY RELOCATION**  
**2300 INWOOD DRIVE**  
**CRAWFORD GRIGSBY SURVEY**  
**ABSTRACT NO. 533**

**SUSTAINABLE DEVELOPMENT & CONSTRUCTION**  
**CITY OF DALLAS, DALLAS COUNTY, TEXAS**

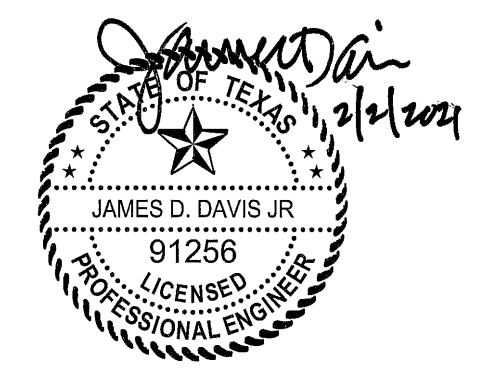
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JDD	VDA	FEBRUARY 2021	311T	XXXX	C01



- BENCHMARKS:**
- BM# 795 A STANDARD WATER DEPARTMENT BENCH MARK SET ON CONCRETE CURB OF STORM SEWER DROP INLET ON THE SOUTHEAST CORNER OF THE INTERSECTION, ESTABLISHED GRID ELEVATION : 442.880  
RECORDED GRID ELEVATION : 442.74
  - BM# 802 A SQUARE IS CUT ON CENTER OF CONCRETE CURB ON INLET NORTH SIDE OF IRVING BOULEVARD IN FRONT OF BUILDING #2780 IRVING BOULEVARD.  
ESTABLISHED GRID ELEVATION : 403.78  
RECORDED GRID ELEVATION : 403.77
  - BM# 1 "X" CUT SET ON THE SOUTHEAST EDGE OF A CONCRETE SIDEWALK, ±115 FEET NORTH OF THE NORTHEAST BUILDING CORNER, ±130 FEET SOUTH OF THE CENTERLINE OF INWOOD ROAD AND ±33 FEET WEST OF A CONCRETE DRIVE ENTRANCE. N: 6985868.26, E: 2479190.00, ELEVATION : 445.274
  - BM# 3 "X" CUT SET ON A CONCRETE MEDIAN IN INWOOD ROAD, ±300 FEET NORTHEAST OF THE INTERSECTION OF FOREST PARK ROAD AND INWOOD ROAD. N:6986021.72, E: 2479156.92, ELEVATION: 440.327

CALL BEFORE YOU DIG!  
TEXAS ONE CALL PARTICIPANTS REQUEST  
48 HOURS NOTICE BEFORE YOU DIG, DRILL,  
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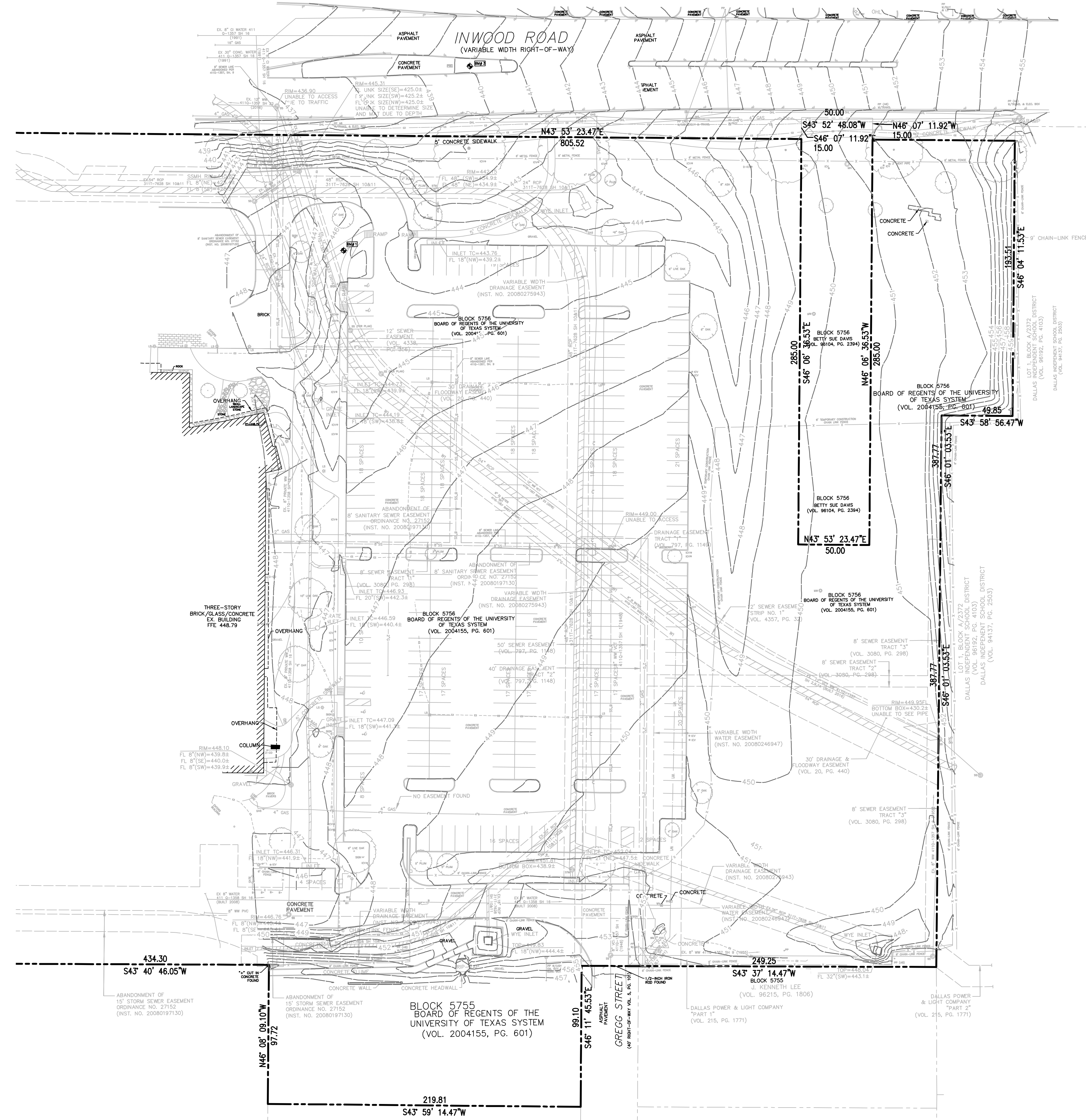
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PLAT NO.		BLDG PERMIT NO.	SD&C ENGINEERING TRACKING NOS.		
N/A		N/A	WW21-XXX DP21-XXXX		
<b>MARTINEZ MOORE ENGINEERS</b> MARTINEZ MOORE ENGINEERS, LLC 221 WEST 6TH ST., SUITE 800 AUSTIN, TX 78701 PHONE: 512-330-1278					
<b>EXISTING CONDITIONS PLAN</b> <b>UTSW BMES UTILITY RELOCATION</b> <b>2300 INWOOD DRIVE</b> <b>CRAWFORD GRIGSBY SURVEY</b> <b>ABSTRACT NO. 533</b> <b>SUSTAINABLE DEVELOPMENT &amp; CONSTRUCTION</b> <b>CITY OF DALLAS, DALLAS COUNTY, TEXAS</b>					
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
JDD	VDA	FEBRUARY 2021	311T	XXXX	C04.01



**CONTRACT INFORMATION**

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CONTRACTOR \_\_\_\_\_



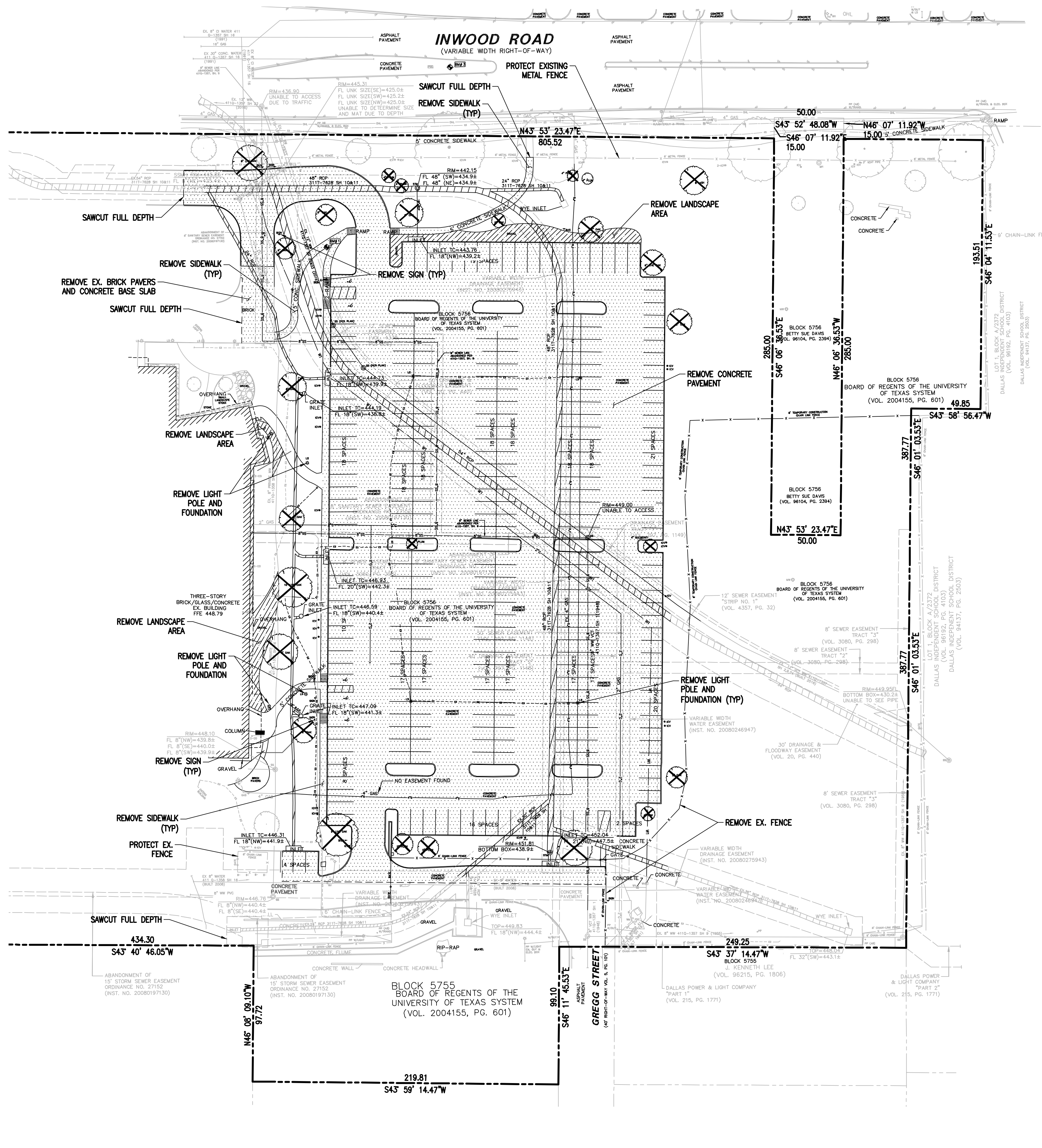
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ORDINANCE NO. 27152  
(INST. NO. 20080197130)

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BLOCK 5755  
BOARD OF REGENTS OF THE  
UNIVERSITY OF TEXAS SYSTEM  
(VOL. 2004155, PG. 601)

DALLAS POWER & LIGHT COMPANY  
"PART 1"  
(VOL. 215, PG. 1771)

DALLAS POWER & LIGHT COMPANY  
"PART 2"  
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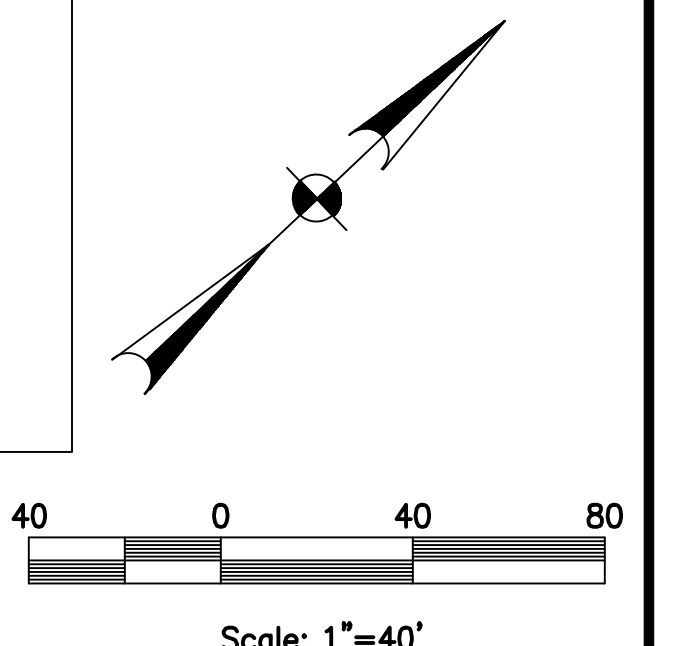
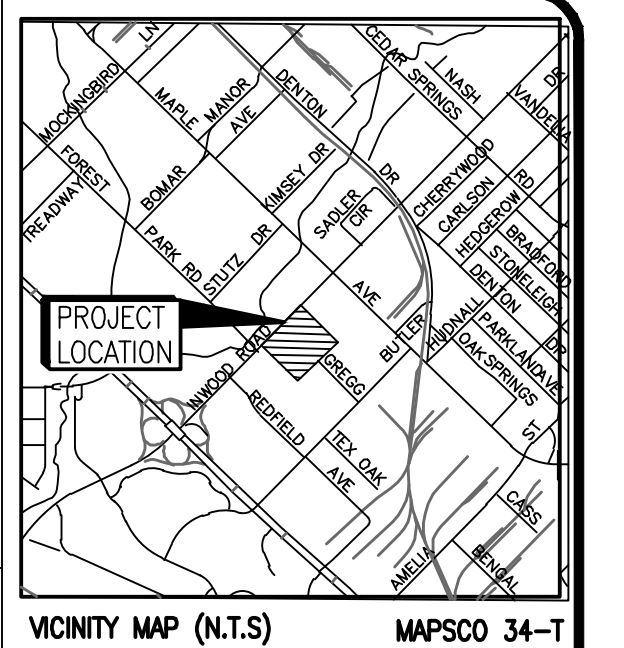


**LEGEND**

- PROPERTY LINE
- EXISTING EASEMENT
- BENCHMARK
- EX. CONCRETE PAVEMENT TO BE REMOVED
- EX. LANDSCAPE AREA TO BE REMOVED
- EX. TREES TO BE REMOVED
- EX. SIGN TO BE REMOVED
- EX. LIGHT POLE BASE AND FOUNDATION TO BE REMOVED

**DEMOLITION NOTES**

1. BOUNDARY AND TOPOGRAPHIC INFORMATION WAS OBTAINED FROM SURVEY BY PACHECO KOCH, LLC DATED NOVEMBER 2, 2020.
2. EXISTING UTILITY INFORMATION IS BASED ON SEVERAL SOURCES INCLUDING A SURVEY ON THE GROUND OF IMPROVEMENTS VISIBLE ON THE SURFACE AND AS-BUILT DRAWINGS. WHILE EVERY ATTEMPT WAS MADE TO ACCURATELY DEPICT THE EXISTING UTILITIES, SOME UTILITIES MAY EXIST THAT ARE NOT DOCUMENTED. THE CONTRACTOR IS CAUTIONED TO USE A ONE CALL SERVICE TO LOCATE PUBLIC OR FRANCHISE SUBSURFACE UTILITIES PRIOR TO ANY EXCAVATION ACTIVITIES.
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5. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND OBTAINING ALL PERMITS THAT ARE REQUIRED FOR SITE DEMOLITION.
6. THE CONTRACTOR SHALL CONTACT EACH UTILITY COMPANY PRIOR TO DEMOLITION TO COORDINATE THE DISCONNECTION/RELOCATION OF UTILITY SERVICES.
7. REFER TO THE CITY OF DALLAS, DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION "PAVEMENT CUT AND REPAIR STANDARDS MANUAL" LATEST EDITION FOR ALL SAWCUT AND REPAIR REQUIREMENTS
8. CONTRACTOR TO PROVIDE TRAFFIC CONTROL FOR ALL WORK WITHIN PUBLIC RIGHTS-OF-WAY DURING DEMOLITION.
9. REFER TO EROSION CONTROL PLAN FOR MEASURES TO BE INSTALLED PRIOR TO DEMOLITION BEGINNING.
10. REFER TO SHEET C4.10 UTILITY DEMOLITION PLAN FOR REMOVAL OF EXISTING PUBLIC AND PRIVATE UTILITIES.
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18. SAWCUT LINES SHOWN ON THE DESIGN PLANS FOR THE REMOVAL AND REPLACEMENT OF CONCRETE PAVEMENT, DRIVES, SLABS, SIDEWALKS, ETC. ARE FOR INFORMATIONAL PURPOSES ONLY. IF PAVEMENT IS MORE THAN 5 YEARS OLD, THE PAVEMENT CUT AND REPAIR STANDARDS MANUAL MUST BE FOLLOWED. IF PAVEMENT IS 5 YEARS OLD OR LESS, THE ENTIRE CONCRETE PANEL MUST BE REPLACED.



**BENCHMARKS:**

BM# 795	A STANDARD WATER DEPARTMENT BENCH MARK SET ON CONCRETE CURB OF STORM SEWER DROP INLET ON THE SOUTHEAST CORNER OF THE INTERSECTION, ESTABLISHED GRID ELEVATION - 442.880 RECORDED GRID ELEVATION - 442.74
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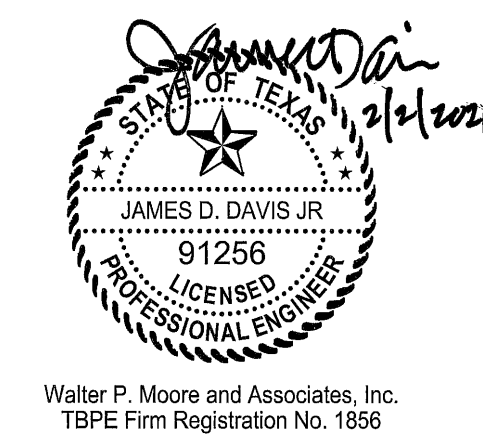
REV NO.		DATE	REVISIONS	DESCRIPTION	BY
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PLAT NO.	BLDG PERMIT NO.	SD&C ENGINEERING TRACKING NOS.
N/A	N/A	WW21-XXX DP21-XXXX

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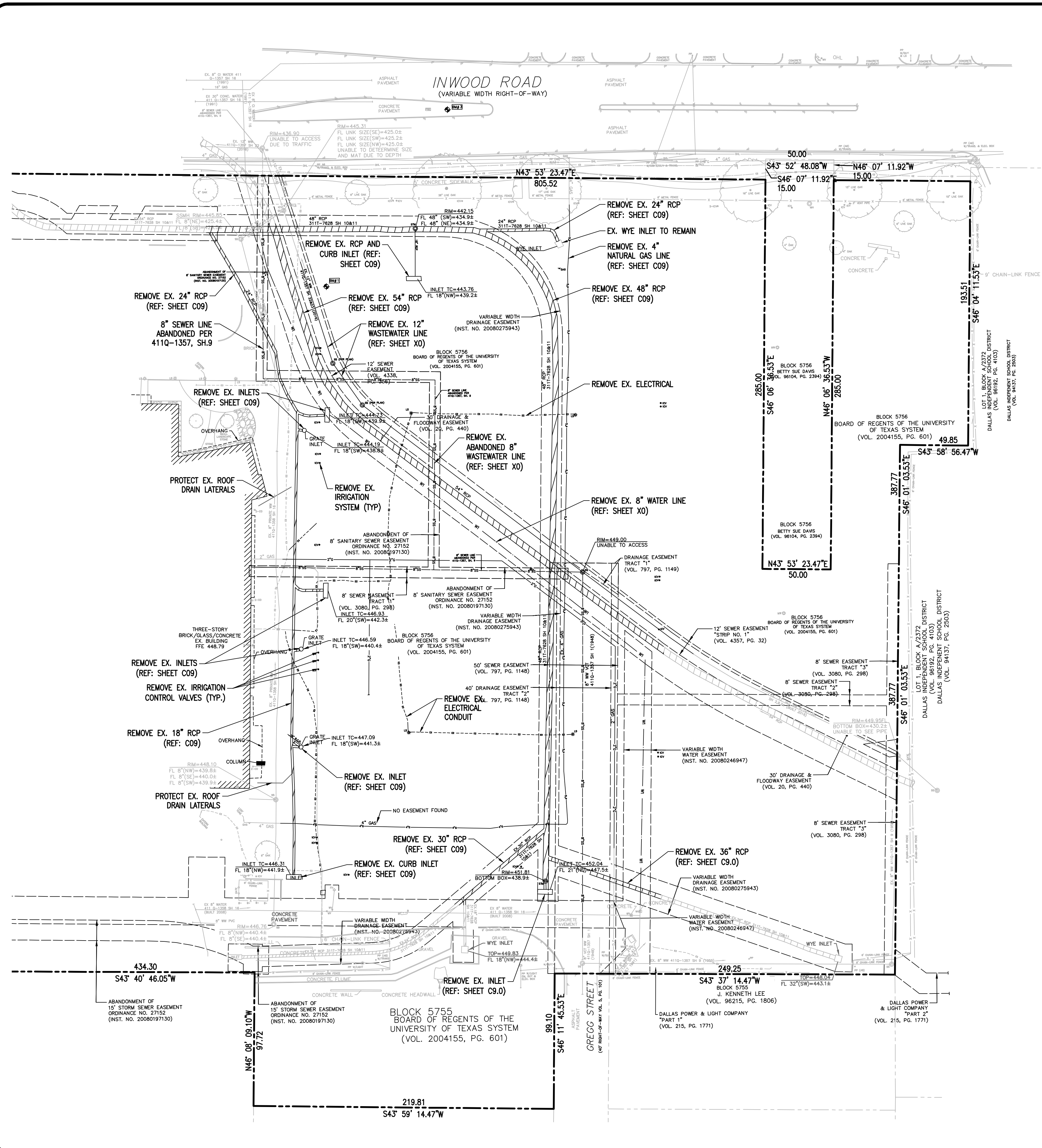
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Walter P. Moore and Associates, Inc.  
TBPE Firm Registration No. 1856

**CONTRACT INFORMATION**

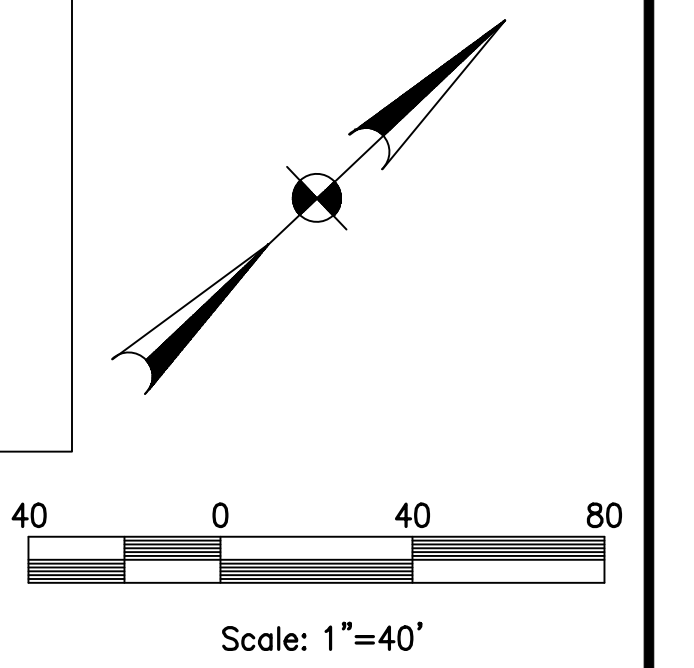
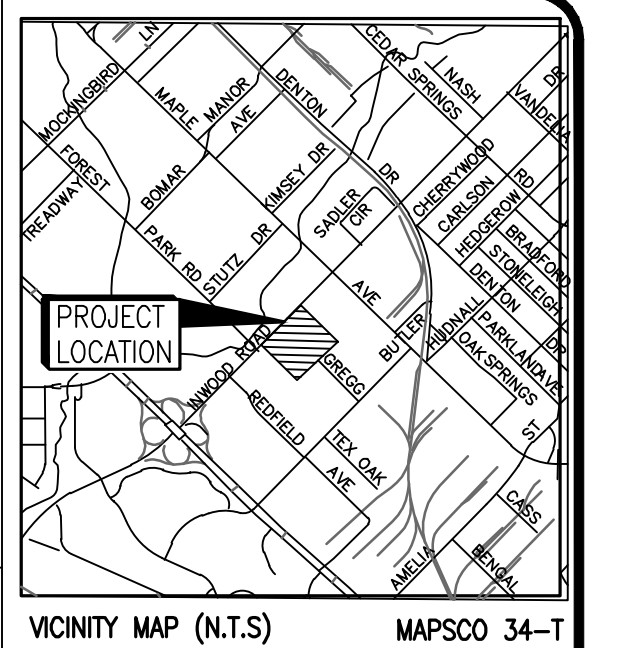
CONTRACT NO.	DATE
CONTRACTOR	



**LEGEND**

- PROPERTY LINE
- - - EXISTING EASEMENT
- ⊕ BENCHMARK
- ▨ EX. STORM SEWER/MH
- ▭ EX. CURB INLET
- ⊕ EX. WASTEWATER/MH/CLEANOUT
- ⊕ EX. WATER/FIRE HYDRANT/VALVE
- EX. GAS
- EX. ELECTRIC
- EX. COMMUNICATION
- EX. FENCE

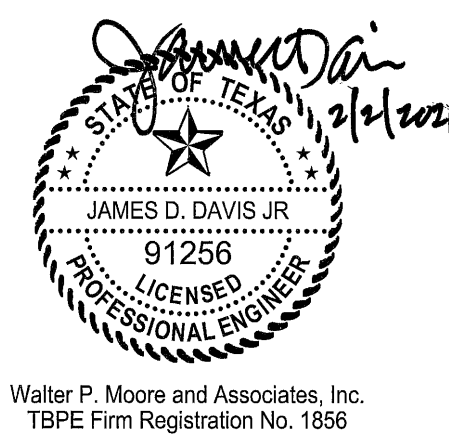
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  - A STREET EXCAVATION PERMIT IS REQUIRED BEFORE WORK MAY BEGIN. APPLICATIONS MUST BE SUBMITTED IN ROOM 312, OAK CLIFF MUNICIPAL CENTER AT LEAST 48 HOURS (TWO WORKING DAYS) BEFORE BEGINNING CONSTRUCTION. FOR MORE INFORMATION CALL 214-948-4042.
  - ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS, LATEST EDITION, AND THE CITY OF DALLAS DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION ADDENDUM.
  - DURING THE CONSTRUCTION OF THESE IMPROVEMENTS, ANY INTERPRETATION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS, AND ANY MATTER WHICH REQUIRES THE APPROVAL OF THE OWNER, MUST BE APPROVED BY THE DIRECTOR OF PUBLIC WORKS AND TRANSPORTATION OR HIS DESIGNEE BEFORE ANY CONSTRUCTION COMMENCES. ASSUMPTIONS ABOUT WHAT THESE DECISIONS MIGHT BE WHICH ARE MADE DURING THE BIDDING PHASE WILL HAVE NO BEARING ON THE DECISION.
  - FOR ADJUSTMENT OF DALLAS WATER UTILITIES APPURTENANCES OR TO VERIFY LOCATIONS OF EXISTING WATER AND WASTEWATER MAINS IN AREA, CALL 214-670-1770 AT LEAST (3) THREE WORKING DAYS PRIOR TO CONSTRUCTION.
  - STREETS, ALLEYS, SIDEWALKS, DRIVEWAYS, AND STORM DRAINAGE FACILITIES IN THE PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE CITY OF DALLAS, STANDARD CONSTRUCTION DETAILS, FILE 251D-1, LATEST EDITION.
  - ALL CONCRETE FOR PAVEMENT WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE 4000 PSI FOR MACHINE FINISH AND 4500 PSI IF IT IS NECESSARY FOR HAND FINISH.
  - NO TRAFFIC LANE OR SIDEWALK ALONG ANY PUBLIC STREET OR ALLEY IS TO BE CLOSED WITHOUT FIRST OBTAINING THE APPROPRIATE PERMIT(S) FROM PAUL THOMPSON OR RUSSELL FINLEY WITH THE CITY OF DALLAS (214-670-5896). CLOSURE OF ANY TRAFFIC LANE MUST BE RESTRICTED TO THE HOURS OF 9:00 A.M. TO 3:30 P.M. WORKDAYS.
  - SAWCUT LINES SHOWN ON THE DESIGN PLANS FOR THE REMOVAL AND REPLACEMENT OF CONCRETE PAVEMENT, DRIVES, SLABS, SIDEWALKS, ETC. ARE FOR INFORMATIONAL PURPOSES ONLY. IF PAVEMENT IS MORE THAN 5 YEARS OLD, THE PAVEMENT CUT AND REPAIR STANDARDS MANUAL MUST BE FOLLOWED. IF PAVEMENT IS 5 YEARS OLD OR LESS, THE ENTIRE CONCRETE PANEL MUST BE REPLACED.



**BENCHMARKS:**

BM# 795	A STANDARD WATER DEPARTMENT BENCH MARK SET ON CONCRETE CURB OF STORM SEWER DROP INLET ON THE SOUTHEAST CORNER OF THE INTERSECTION, ESTABLISHED GRID ELEVATION : 442.800 RECORDED GRID ELEVATION : 442.74
BM# 802	A SQUARE IS CUT ON CENTER OF CONCRETE CURB ON INLET NORTH SIDE OF IRVING BOULEVARD IN FRONT OF BUILDING #2780 IRVING BOULEVARD. ESTABLISHED GRID ELEVATION : 403.78 RECORDED GRID ELEVATION : 403.77
BM# 1	"X" CUT SET ON THE SOUTHEAST EDGE OF A CONCRETE SIDEWALK, ±115 FEET NORTH OF THE NORTHEAST BUILDING CORNER, ±130 FEET SOUTH OF THE CENTERLINE OF INWOOD ROAD AND ±33 FEET WEST OF A CONCRETE DRIVE ENTRANCE. N: 6985868.26, E: 2479190.00, ELEVATION : 445.274
BM# 3	"X" CUT SET ON A CONCRETE MEDIAN IN INWOOD ROAD, ±300 FEET NORTHEAST OF THE INTERSECTION OF FOREST PARK ROAD AND INWOOD ROAD. N:6986021.72, E: 2479156.92, ELEVATION: 440.327

CALL BEFORE YOU DIG!  
TEXAS ONE CALL PARTICIPANTS REQUEST  
48 HOURS NOTICE BEFORE YOU DIG, DRILL,  
OR BLAST - STOP CALL  
Texas One Call System  
CALL 811



Walter P. Moore and Associates, Inc.  
TBPE Firm Registration No. 1856

**CONTRACT INFORMATION**

CONTRACT NO.	DATE
CONTRACTOR	

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
	02/24/2021	ISSUE FOR BID	

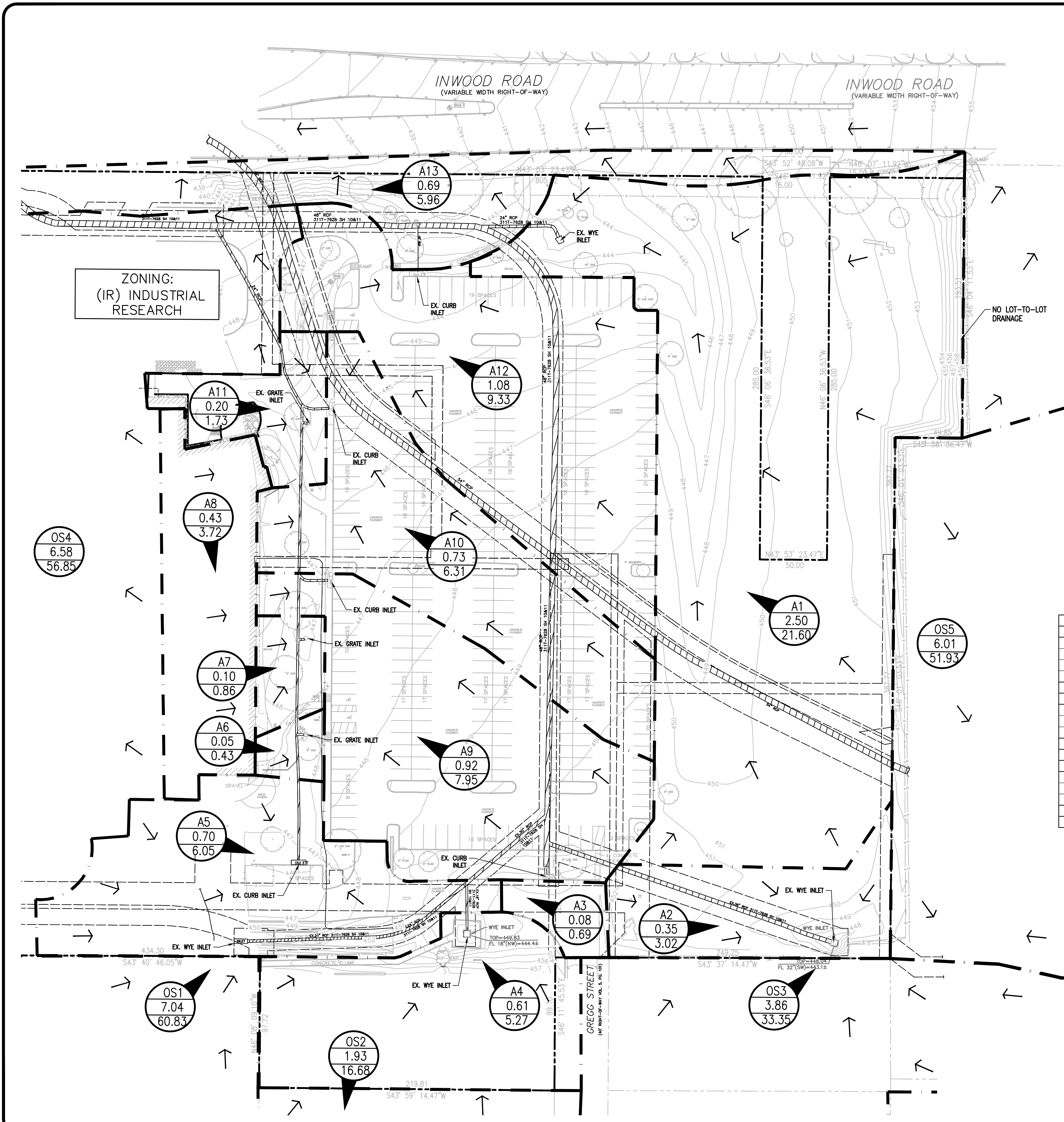
**MARTINEZ MOORE ENGINEERS** MARTINEZ MOORE ENGINEERS, LLC  
221 WEST 6TH ST., SUITE 800  
AUSTIN, TX 78701  
PHONE: 512-330-1278

PLAT NO.	BLDG PERMIT NO.	SD&C ENGINEERING TRACKING NOS.
N/A	N/A	WW21-XXX DP21-XXXX

**UTILITY DEMOLITION PLAN**  
**UTSW BMES UTILITY RELOCATION**  
**2300 INWOOD DRIVE**  
**CRAWFORD GRIGSBY SURVEY**  
**ABSTRACT NO. 533**

**SUSTAINABLE DEVELOPMENT & CONSTRUCTION**  
**CITY OF DALLAS, DALLAS COUNTY, TEXAS**

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
JDD	VDA	FEBRUARY 2021	311T	XXXX	C04.03

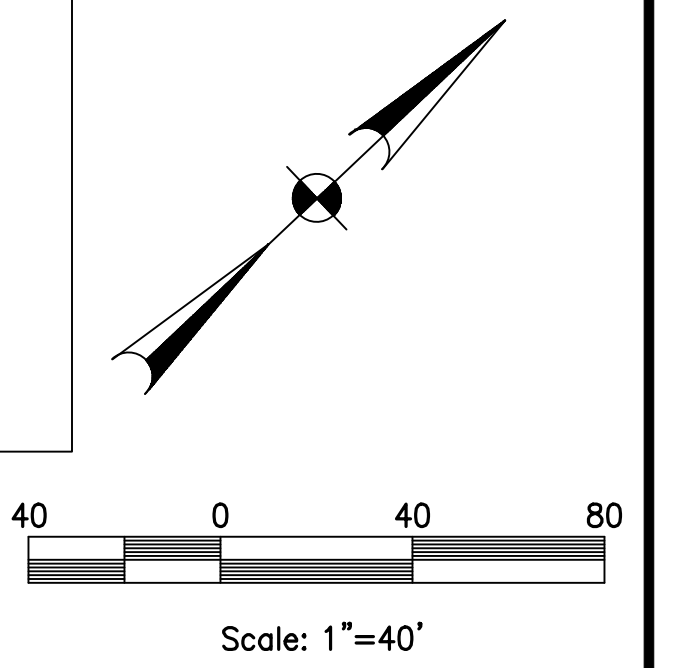
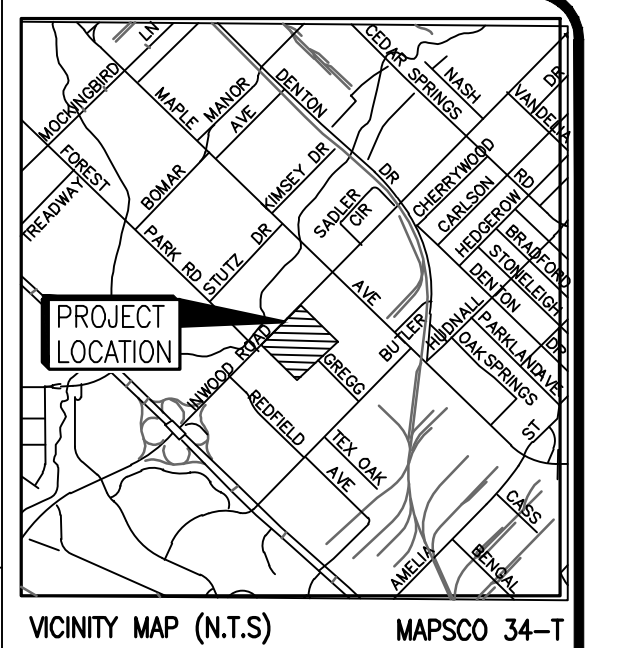


ZONING:  
(IR) INDUSTRIAL  
RESEARCH

**LEGEND**

DRAINAGE AREA LABEL  
 ACRES  
 DRAINAGE AREA 100YR RUNOFF (CFS)

EX. FLOW ARROW  
 EX. DRAINAGE BOUNDARY  
 EXISTING CONTOUR LINE



**BENCHMARKS:**

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BM# 1 "X" CUT SET ON THE SOUTHEAST EDGE OF A CONCRETE SIDEWALK, ±115 FEET NORTH OF THE NORTHEAST BUILDING CORNER, ±130 FEET SOUTH OF THE CENTERLINE OF INWOOD ROAD AND ±33 FEET WEST OF A CONCRETE DRIVE ENTRANCE. N: 6985868.26, E: 2479190.00, ELEVATION : 445.274

BM# 3 "X" CUT SET ON A CONCRETE MEDIAN IN INWOOD ROAD, ±300 FEET NORTHEAST OF THE INTERSECTION OF FOREST PARK ROAD AND INWOOD ROAD. N:6986021.72, E: 2479156.92, ELEVATION: 440.327

DA	AREA (ac)	C	t <sub>c</sub> (min)	I <sub>100</sub> (in/hr)	Q <sub>100</sub> (cfs)	Notes
A1	2.50	0.9	10	9.60	21.60	TO EX WYE INLET
A2	0.35	0.9	10	9.60	3.02	TO EX WYE INLET
A3	0.08	0.9	10	9.60	0.69	TO EX CURB INLET
A4	0.61	0.9	10	9.60	5.27	TO EX WYE INLET
A5	0.70	0.9	10	9.60	6.05	TO EX CURB INLET
A6	0.05	0.9	10	9.60	0.43	TO EX GRATE INLET
A7	0.10	0.9	10	9.60	0.86	ROOF DRAIN AREA FROM EX. BIOCENTER
A8	0.43	0.9	10	9.60	3.72	TO EX CURB INLET
A9	0.92	0.9	10	9.60	7.95	TO EX CURB INLET
A10	0.73	0.9	10	9.60	6.31	TO EX GRATE INLET
A11	0.20	0.9	10	9.60	1.73	TO EX CURB INLET
A12	1.08	0.9	10	9.60	9.33	SHEET FLOW INTO EX. INLET IN INWOOD ROAD
A13	0.69	0.9	10	9.60	5.96	OFFSITE AREA TO EX WYE INLET
OS1	7.04	0.9	10	9.60	60.83	OFFSITE AREA TO EX WYE INLET
OS2	1.93	0.9	10	9.60	16.68	OFFSITE AREA TO EX WYE INLET
OS3	3.86	0.9	10	9.60	33.35	OFFSITE AREA TO EX WYE INLET
OS4	6.58	0.9	10	9.60	56.85	OFFSITE AREA CONVEYED IN EX. 2-36" RCP CROSSING INWOOD RD
OS5	6.01	0.9	10	9.60	51.93	OFFSITE AREA TO INLETS CONVEYED TO LINE B

CALL BEFORE YOU DIG!  
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Texas One Call System  
CALL 811

REFER TO SHEET C08.03 OFFSITE DRAINAGE AREA MAP FOR  
OFFSITE AREA DELINEATION AND DRAINAGE INFORMATION

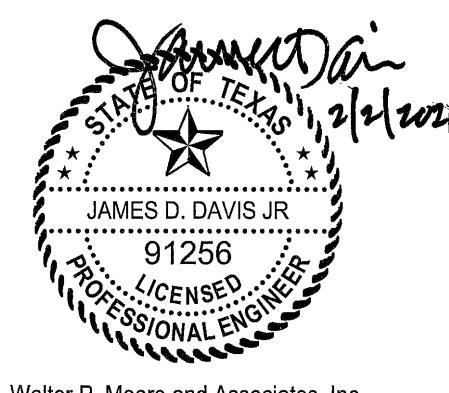
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MARTINEZ MOORE ENGINEERS, LLC  
 221 WEST 6TH ST., SUITE 800  
 AUSTIN, TX 78701  
 PHONE: 512-330-1278

PLAT NO. N/A	BLDG PERMIT NO. N/A	SD&C ENGINEERING TRACKING NOS. WW21-XXX	DP21-XXXX
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**EX. DRAINAGE AREA MAP**  
**UTSW BMES UTILITY RELOCATION**  
**2300 INWOOD DRIVE**  
**CRAWFORD GRIGSBY SURVEY**  
**ABSTRACT NO. 533**  
**SUSTAINABLE DEVELOPMENT & CONSTRUCTION**  
**CITY OF DALLAS, DALLAS COUNTY, TEXAS**

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
JDD	VDA	FEBRUARY 2021	311T	XXXX	C08.01

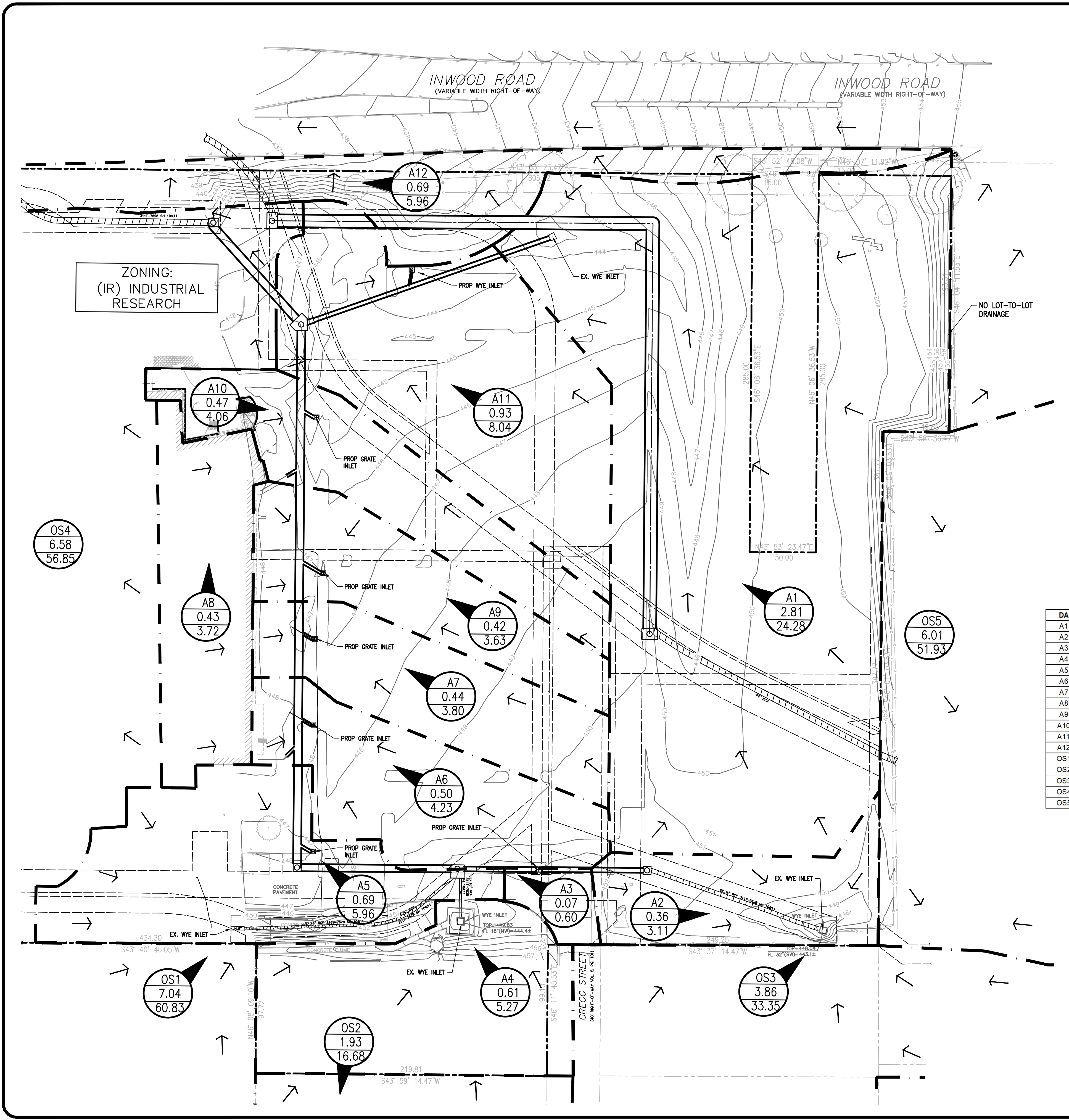


Walter P. Moore and Associates, Inc.  
TBPE Firm Registration No. 1856

**CONTRACT INFORMATION**

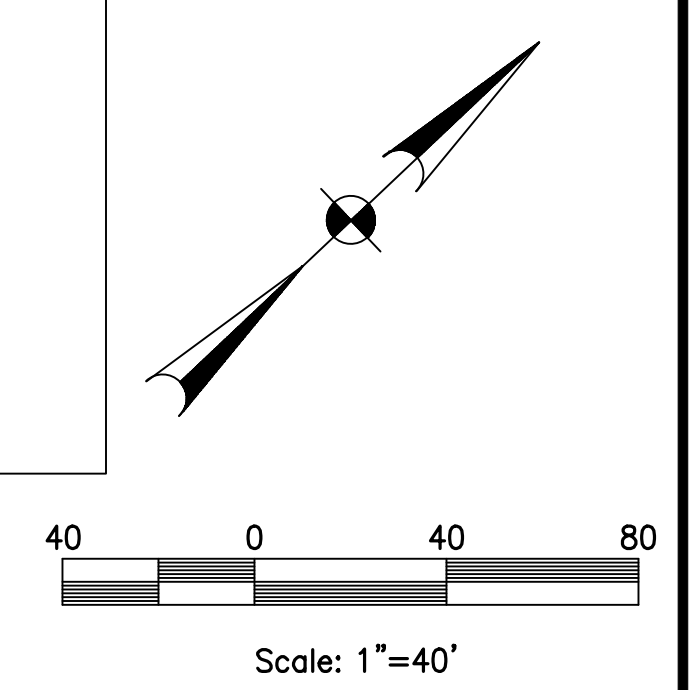
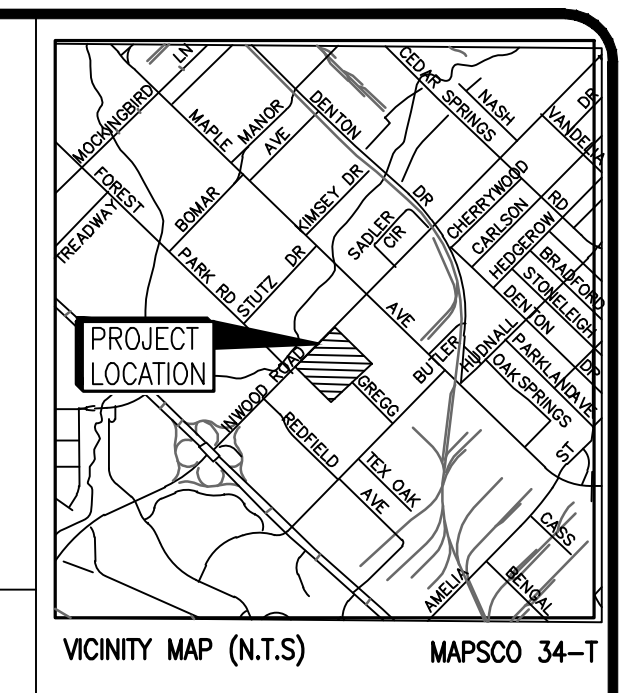
CONTRACT NO. \_\_\_\_\_ DATE \_\_\_\_\_

CONTRACTOR \_\_\_\_\_



**LEGEND**

- K  
0.91  
6.36 DRAINAGE AREA LABEL  
ACRES  
DRAINAGE AREA 100YR RUNOFF (CFS)
- PROP. FLOW ARROW
- - - PROP. DRAINAGE BOUNDARY
- 610 — EXISTING CONTOUR LINE
- 610 — PROPOSED CONTOUR LINE



**BENCHMARKS:**

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DA	AREA (a.c)	C	t <sub>c</sub> (min)	I <sub>100</sub> (in/hr)	Q <sub>100</sub> (cfs)	Notes
A1	2.81	0.9	10	9.60	24.28	TO EX. WYE INLET
A2	0.36	0.9	10	9.60	3.11	TO EX. WYE INLET
A3	0.07	0.9	10	9.60	0.60	TO PROP. GRATE INLET
A4	0.61	0.9	10	9.60	5.27	TO EX. WYE INLET
A5	0.69	0.9	10	9.60	5.96	TO PROP. GRATE INLET
A6	0.50	0.9	10	9.60	4.32	TO PROP. GRATE INLET
A7	0.44	0.9	10	9.60	3.80	TO PROP. GRATE INLET
A8	0.43	0.9	10	9.60	3.72	EXIST. BUILDING ROOF AREA
A9	0.42	0.9	10	9.60	3.63	TO PROP. GRATE INLET
A10	0.47	0.9	10	9.60	4.06	TO PROP. GRATE INLET
A11	0.93	0.9	10	9.60	8.04	TO EXIST WYE INLET
A12	0.69	0.9	10	9.60	5.96	SHEET FLOW INTO EX. INLET IN INWOOD ROAD
OS1	7.04	0.9	10	9.60	60.83	OFFSITE AREA TO EX. WYE INLET
OS2	1.93	0.9	10	9.60	16.68	OFFSITE AREA TO EX. WYE INLET
OS3	3.86	0.9	10	9.60	33.35	OFFSITE AREA TO EX. WYE INLET
OS4	6.58	0.9	10	9.60	56.85	OFFSITE AREA CONVEYED IN EX. 2-36" RCP CROSSING INWOOD RD
OS5	6.01	0.9	10	9.60	51.93	OFFSITE AREA TO INLETS CONVEYED TO LINE B

REFER TO SHEET C08.03 OFFSITE DRAINAGE AREA MAP FOR OFFSITE AREA DELINEATION AND DRAINAGE INFORMATION

CALL BEFORE YOU DIG!  
TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL  
Texas One Call System  
CALL 811

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY
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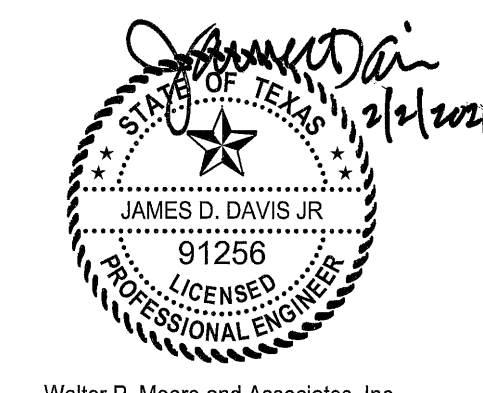
**MARTINEZ MOORE ENGINEERS**  
MARTINEZ MOORE ENGINEERS, LLC  
221 WEST 6TH ST., SUITE 800  
AUSTIN, TX 78701  
PHONE: 512-330-1278

PLAT NO. N/A	BLDG PERMIT NO. N/A	SD&C ENGINEERING TRACKING NOS. WW21-XXX	DP21-XXXX
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**PROP. DRAINAGE AREA MAP**  
**UTSW BMES UTILITY RELOCATION**  
**2300 INWOOD DRIVE**  
**CRAWFORD GRIGSBY SURVEY**  
**ABSTRACT NO. 533**

**SUSTAINABLE DEVELOPMENT & CONSTRUCTION**  
**CITY OF DALLAS, DALLAS COUNTY, TEXAS**

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
JDD	VDA	FEBRUARY 2021	311T	XXXX	C08.02

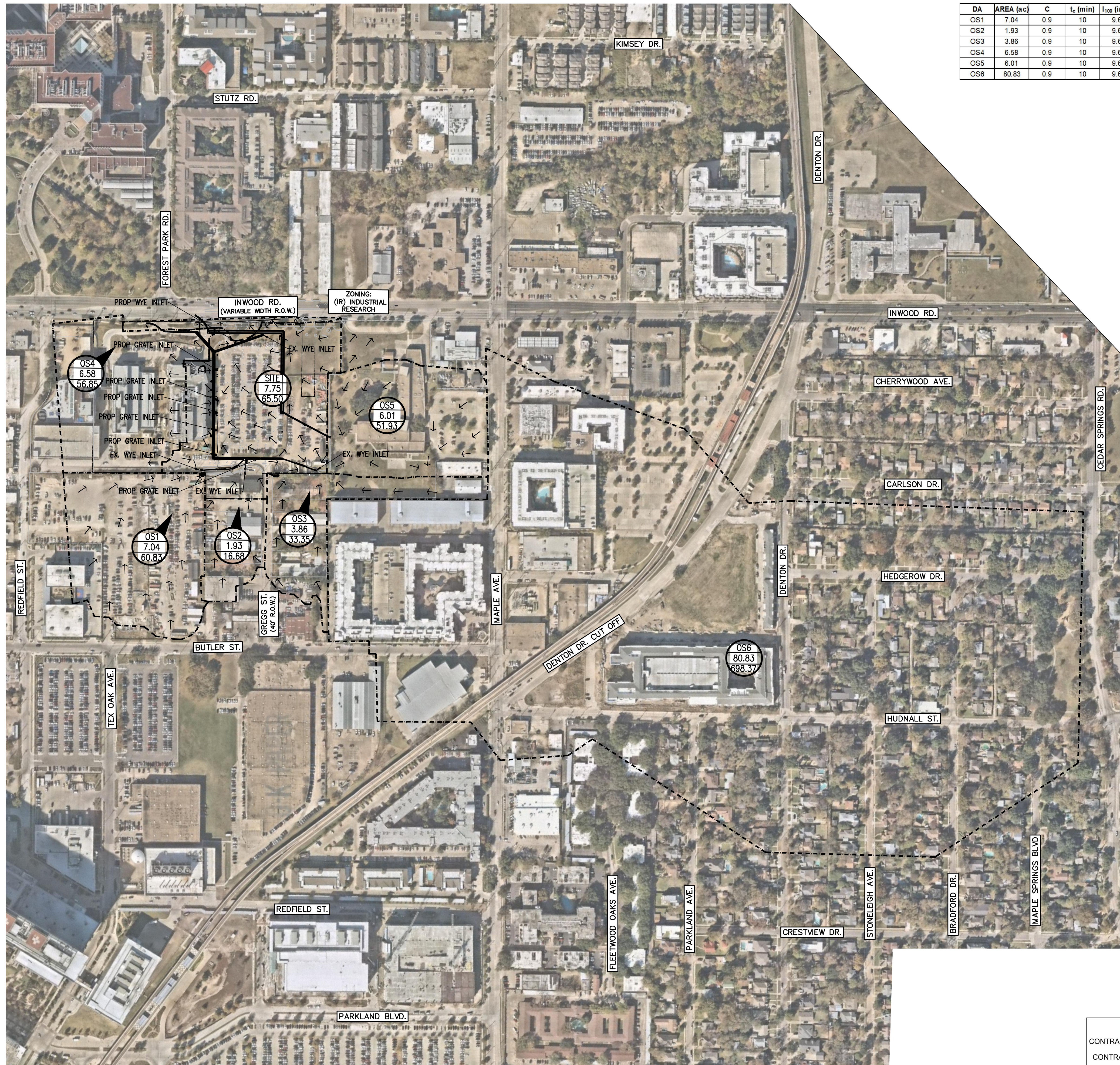


Walter P. Moore and Associates, Inc.  
TBPE Firm Registration No. 1856

**CONTRACT INFORMATION**

CONTRACT NO. \_\_\_\_\_ DATE \_\_\_\_\_

CONTRACTOR \_\_\_\_\_



DA	AREA (ac)	C	t <sub>c</sub> (min)	I <sub>100</sub> (in/hr)	Q <sub>100</sub> (cfs)	Notes
OS1	7.04	0.9	10	9.60	60.83	OFFSITE AREA TO EX. WYE INLET CONVEYED TO LINE A
OS2	1.93	0.9	10	9.60	16.68	OFFSITE AREA TO EX. WYE INLET CONVEYED TO LINE A
OS3	3.86	0.9	10	9.60	33.35	OFFSITE AREA TO EX. WYE INLET CONVEYED TO LINE A
OS4	6.58	0.9	10	9.60	56.85	OFFSITE AREA CONVEYED IN EX. 2-36" RCP CROSSING INWOOD RD
OS5	6.01	0.9	10	9.60	51.93	OFFSITE AREA TO INLETS CONVEYED TO LINE B
OS6	80.83	0.9	10	9.60	698.37	OFFSITE AREA TO INLETS CONVEYED TO LINE B

**LEGEND**

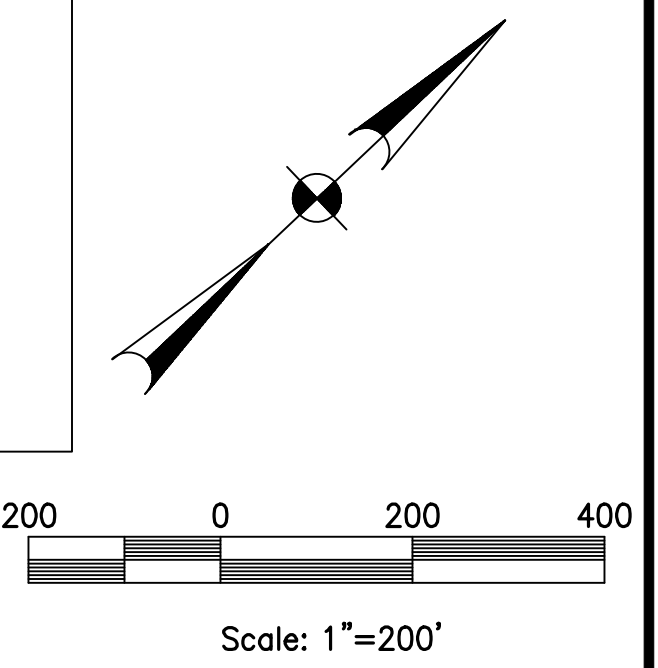
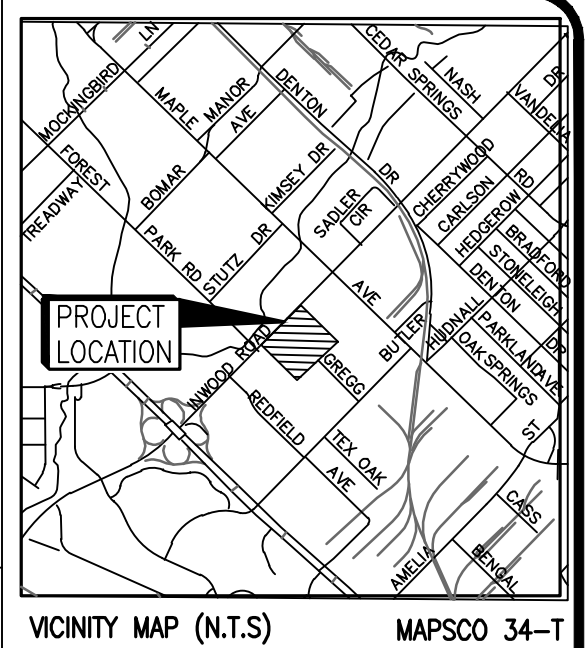
DRAINAGE AREA LABEL  
 ACRES  
 DRAINAGE AREA 100YR RUNOFF (CFS)

PROP. FLOW ARROW

PROP. DRAINAGE BOUNDARY

EXISTING CONTOUR LINE

PROPOSED CONTOUR LINE



**BENCHMARKS:**

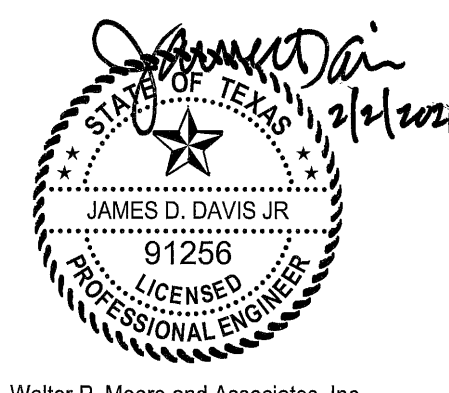
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 CONTRACTOR \_\_\_\_\_

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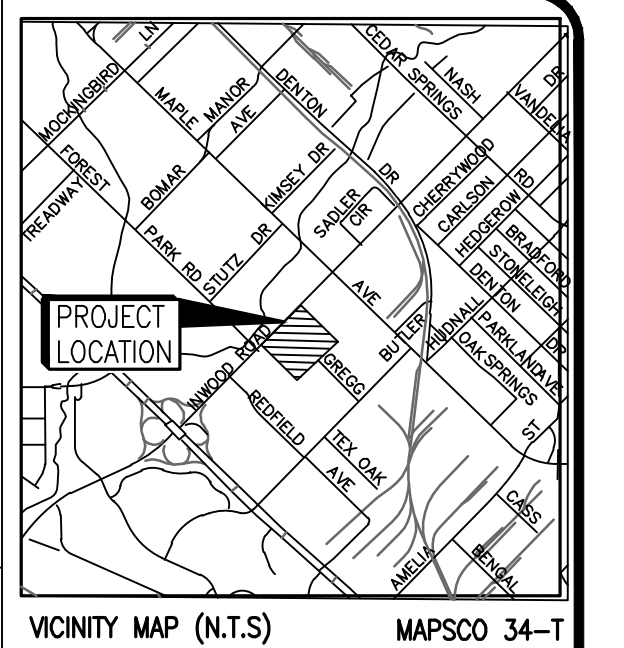
**MARTINEZ MOORE ENGINEERS**  
 MARTINEZ MOORE ENGINEERS, LLC  
 221 WEST 6TH ST., SUITE 800  
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 PHONE: 512-330-1278

PLAT NO.	BLDG PERMIT NO.	SD&C ENGINEERING TRACKING NOS.
N/A	N/A	WW21-XXX DP21-XXXX

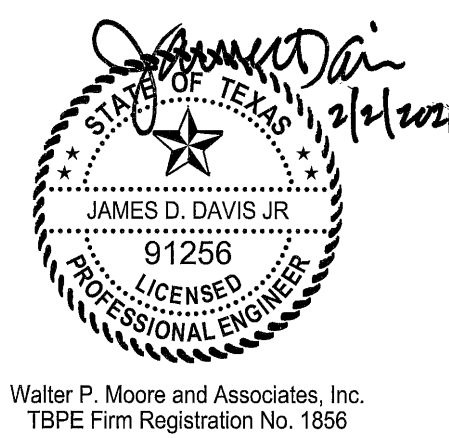
**OFFSITE DRAINAGE AREA MAP**  
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**CITY OF DALLAS, DALLAS COUNTY, TEXAS**

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
JDD	VDA	FEBRUARY 2021	311T	XXXX	C08.03

STORM DRAIN SYSTEM CALCULATIONS																																					
RUNOFF COLLECTION POINT (ILET OR MANHOLE)		INCREMENTAL DRAINAGE AREA										HYDRAULIC GRADIENT ELEVATION																									
UPSTREAM STATION	DOWNSTREAM STATION	DISTANCE (FT)	AREA NO.	DRAINAGE AREA "A" (ACRES)	Total Area (ACRES)	RUNOFF COEFF. "C"	INCREMENTAL "CA"	ACCUMULATED "CA"	TIME AT UPSTREAM STATION (MIN)	FLOW TIME (MIN)	TIME AT DIS STATION (MIN)	STORM FREQUENCY (YEARS)	INTENSITY "I" (INHR)	RUNOFF "Q" (CFS)	STORM SEWER SIZE (IN)	MANNING'S "N" VALUE	SLOPE OF HYDRAULIC GRADIENT "S" (FT/FT)	Box Size (#2)		UP STREAM	DOWN STREAM	INFLOW VELOCITY "V1" (FPS)	OUTFLOW VELOCITY "V2" (FPS)	VELOCITY HEAD V1 (FT)	VELOCITY HEAD V2 (FT)	Loss Coeff K	KxV/H	FRICION HEAD LOSS IN PIPE "LxS" (FT)	HEAD LOSS	HEAD LOSS H <sub>f</sub>	Elevation HG of design point m.s.l.	COMMENTS ON K	FREE-BOARD	FG ELEVATION			
2	1	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
<b>Line A</b>																																					
911.00	776.00	135.00	A2 & OS3	4.22	4.22	0.90	3.80	3.80	10.00	0.44	10.44	100.00	9.60	36.46	36.00	0.013	0.0030	-	-	445.93	445.53	0.00	5.16	0.00	0.41	1.50	0.00	0.41	Equ. 1	0.41	446.35	EX WYE INLET	5.37	451.30			
776.00	694.33	81.67	-	0.00	4.22	0.90	0.00	3.80	10.44	0.27	10.70	100.00	9.46	35.94	36.00	0.013	0.0029	-	-	445.43	445.19	5.16	5.09	0.41	0.40	0.25	0.10	0.24	Equ. 2	0.10	445.53	MANHOLE	6.07	451.50			
694.33	633.04	61.29	A3	0.07	4.29	0.90	0.06	3.86	10.70	0.20	10.90	100.00	9.38	36.22	36.00	0.013	0.0030	-	-	445.08	444.90	5.09	5.12	0.40	0.41	0.25	0.10	0.18	Equ. 2	0.10	445.19	GRATE INLET	5.86	450.94			
633.04	512.00	121.04	A4, OS1 & OS2	9.58	13.87	0.90	8.62	12.48	10.90	0.28	11.18	100.00	9.32	116.32	54.00	0.013	0.0035	-	-	444.69	444.27	5.12	7.31	0.41	0.83	0.25	0.10	0.43	Equ. 2	0.21	444.90	JUNCTION BOX	1.47	446.16			
512.00	493.98	18.02	A5	0.69	14.56	0.90	0.62	13.10	11.18	0.05	11.23	100.00	9.23	120.98	60.00	0.013	0.0022	-	-	443.97	443.93	7.31	6.16	0.83	0.59	0.35	0.29	0.04	Equ. 1	0.30	444.27	60 DEG WYE	2.61	446.58			
493.98	419.27	74.71	Half of A8	0.22	14.78	0.90	0.19	13.30	11.23	0.20	11.43	100.00	9.22	122.56	60.00	0.013	0.0022	-	-	443.53	443.36	6.16	6.24	0.59	0.61	0.35	0.21	0.17	Equ. 1	0.40	443.93	60 DEG WYE	2.97	446.50			
419.27	398.60	20.67	A6	0.50	15.28	0.90	0.45	13.75	11.43	0.05	11.48	100.00	9.15	125.85	60.00	0.013	0.0024	-	-	443.53	442.89	6.24	6.41	0.61	0.64	0.35	0.21	0.05	Equ. 1	0.43	443.36	60 DEG WYE	3.85	447.38			
398.60	333.56	65.04	A7	0.44	15.72	0.90	0.40	14.14	11.48	0.16	11.65	100.00	9.14	129.24	60.00	0.013	0.0025	-	-	443.93	442.28	6.41	6.58	0.64	0.67	0.35	0.22	0.16	Equ. 1	0.45	442.89	60 DEG WYE	2.73	446.66			
333.56	280.17	53.39	A9	0.42	16.14	0.90	0.38	14.52	11.65	0.13	11.78	100.00	9.09	131.95	60.00	0.013	0.0026	-	-	441.81	441.67	6.58	6.72	0.67	0.70	0.35	0.24	0.14	Equ. 1	0.47	442.28	60 DEG WYE	5.27	447.08			
280.17	210.62	69.55	Half of A8	0.22	16.35	0.90	0.19	14.72	11.78	0.17	11.95	100.00	9.05	133.10	60.00	0.013	0.0026	-	-	441.21	441.02	6.72	6.78	0.70	0.71	0.35	0.25	0.18	Equ. 1	0.47	441.67	60 DEG WYE	5.65	446.86			
210.62	166.37	44.25	A10	0.47	16.82	0.90	0.42	15.14	11.95	0.11	12.06	100.00	8.99	136.12	60.00	0.013	0.0028	-	-	440.53	440.41	6.78	6.93	0.71	0.75	0.35	0.25	0.12	Equ. 1	0.50	441.02	60 DEG WYE	4.27	444.80			
166.37	102.23	64.14	A1 & A11	3.74	20.56	0.90	3.37	18.50	12.06	0.13	12.18	100.00	8.96	165.77	60.00	0.013	0.0041	-	-	439.56	439.30	6.93	8.44	0.75	1.11	0.35	0.26	0.26	Equ. 1	0.85	440.41	60 DEG WYE	7.29	446.85			
102.23	0.00	102.23	-	0.00	20.56	0.90	0.00	18.50	12.18	0.20	12.38	100.00	8.92	165.04	60.00	0.013	0.0040	-	-	439.02	438.61	26.00	8.41	10.50	1.10	0.25	2.62	0.41	Equ. 2	0.27	439.30	JUNCTION BOX	7.80	446.82			
<b>438.61</b>																																					
<b>Line B</b>																																					
596.74	287.18	309.56	OS5 & OS6	86.84	86.84	0.90	78.16	78.16	21.26	0.53	21.79	100.00	7.01	547.48	-	0.013	0.0032	7.00	8.00	440.15	439.17	0.00	9.78	0.00	1.48	0.25	0.00	0.98	Equ. 2	0.37	440.52	JUNCTION BOX	10.00	450.15			
287.18	0.00	287.18	-	0.00	86.84	0.90	0.00	78.16	21.79	0.50	22.28	100.00	6.92	540.64	-	0.013	0.0031	7.00	8.00	438.81	437.93	9.78	9.65	1.48	1.45	0.25	0.37	0.88	Equ. 2	0.36	439.17	90 DEG BEND	6.54	445.35			
<b>437.93</b>																																					
LINE A BEGINNING 100-YR HGL OF 438.61 WAS OBTAINED FROM STATION 1+99.00 LINE "A" FROM SOUTHWESTERN MEDICAL CENTER, FILE 311T-7628, SHEET 11 PREPARED BY CHARLES GOJER AND ASSOCIATES, INC., DATED JUNE 19, 2008. THIS WAS COMPARED TO THE 100-YEAR ELEVATION OF 437.93 FROM CROSS SECTION 7027 OF THE KNIGHTS BRANCH DRAINAGE REPORT BY HALFF ASSOCIATES INC, DATED JANUARY 25, 2007. THE HIGHEST ELEVATION WAS USED.																																					
LINE B BEGINNING 100-YR HGL OF 437.93 WAS OBTAINED FROM CROSS SECTION 7027 OF THE KNIGHTS BRANCH DRAINAGE REPORT BY HALFF ASSOCIATES INC, DATED JANUARY 25, 2007.																																					



VICINITY MAP (N.T.S) MAPSCO 34-T



Walter P. Moore and Associates, Inc.  
TBPE Firm Registration No. 1856

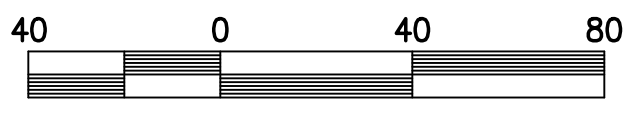
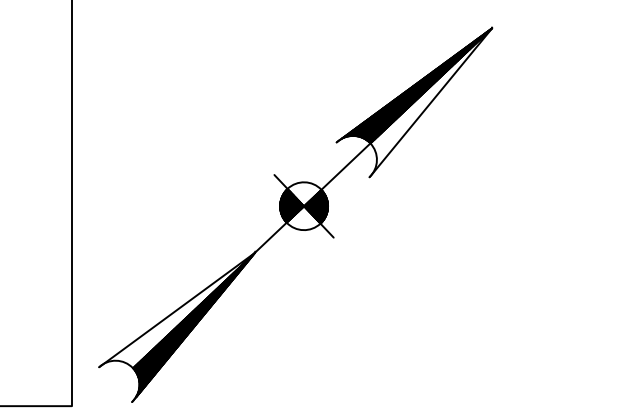
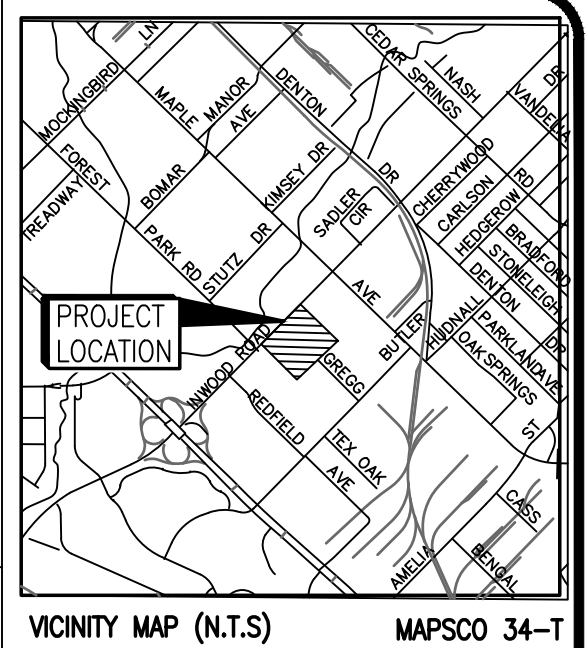
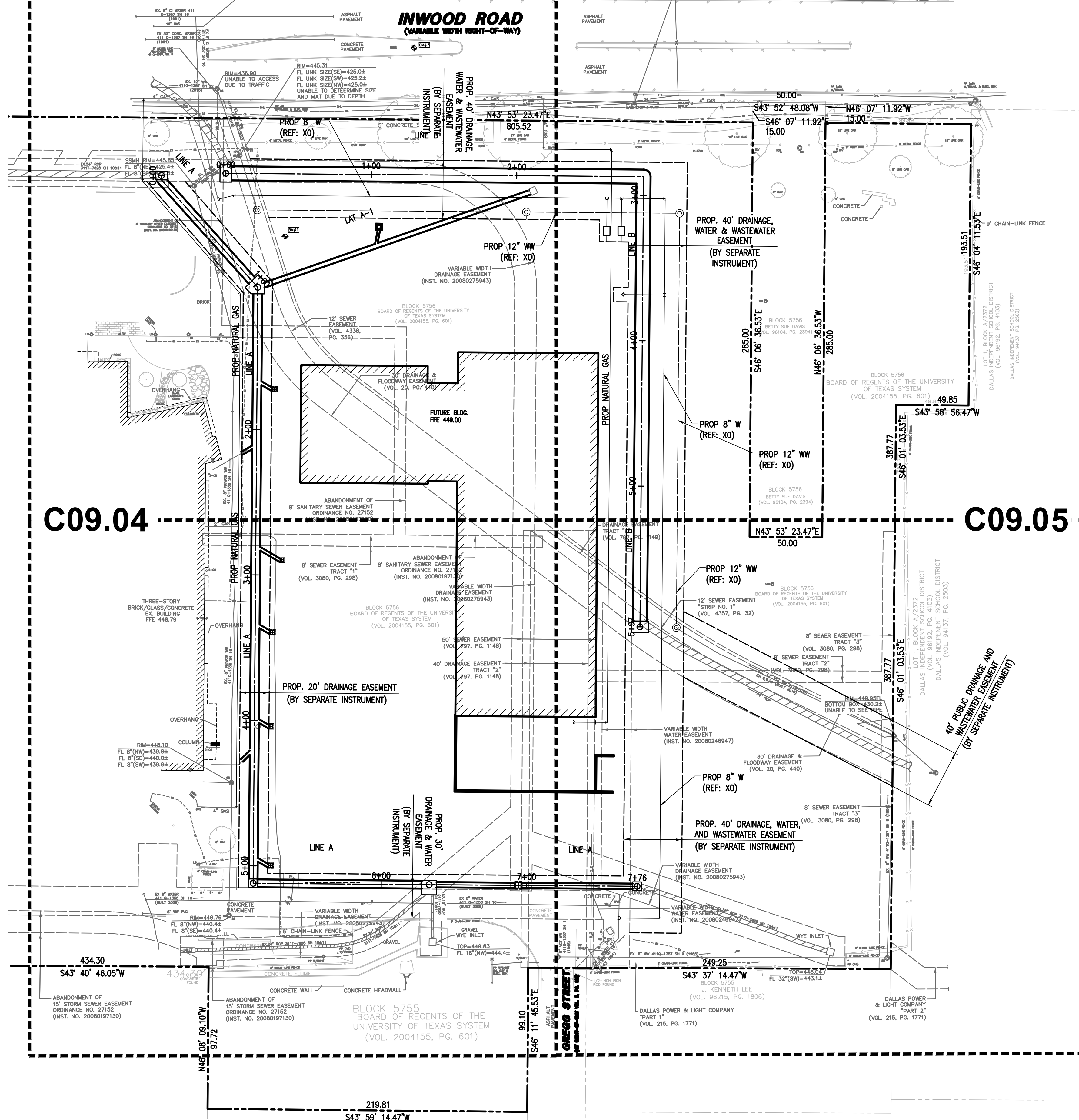
CONTRACT INFORMATION	
CONTRACT NO. _____	DATE _____
CONTRACTOR _____	_____

REVISIONS					
REV NO.	DATE	DESCRIPTION	BY		
	02/24/2021	ISSUE FOR BID			
<b>M MARTINEZ MOORE ENGINEERS</b>		MARTINEZ MOORE ENGINEERS, LLC 221 WEST 6TH ST., SUITE 800 AUSTIN, TX 78701 PHONE: 512-330-1278			
PLAT NO. N/A	BLDG PERMIT NO. N/A	SD&C ENGINEERING TRACKING NOS. WW21-XXX	DP21-XXXX		
<b>DRAINAGE CALCULATIONS</b>					
<b>UTSW BMES UTILITY RELOCATION</b>					
<b>2300 INWOOD DRIVE</b>					
<b>CRAWFORD GRIGSBY SURVEY</b>					
<b>ABSTRACT NO. 533</b>					
<b>SUSTAINABLE DEVELOPMENT &amp; CONSTRUCTION</b>					
<b>CITY OF DALLAS, DALLAS COUNTY, TEXAS</b>					
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
JDD	VDA	FEBRUARY 2021	311T	XXXX	C08.04



C09.02

C09.03



**STORM DRAINAGE NOTES**

- BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION WAS OBTAINED FROM SURVEY BY PACHECO KOCH, LLC DATED NOVEMBER 2, 2020.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS, LATEST EDITION, AND THE CITY OF DALLAS DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION ADDENDUM.
- DURING THE CONSTRUCTION OF THESE IMPROVEMENTS, ANY INTERPRETATION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS, AND ANY MATTER WHICH REQUIRES THE APPROVAL OF THE OWNER, MUST BE APPROVED BY THE DIRECTOR OF PUBLIC WORKS AND TRANSPORTATION OR HIS DESIGNEE BEFORE ANY CONSTRUCTION INVOLVING THAT DECISION COMMENCES. ASSUMPTIONS ABOUT WHAT THESE DECISIONS MIGHT BE WHICH ARE MADE DURING THE BIDDING PHASE WILL HAVE NO BEARING ON THE DECISION.
- FOR ADJUSTMENT OF DALLAS WATER UTILITIES APPURTENANCES OR TO VERIFY LOCATIONS OF EXISTING WATER AND WASTEWATER MAINS IN AREA, CALL 214-670-1770 AT LEAST (3) THREE WORKING DAYS PRIOR TO CONSTRUCTION.
- STREETS, ALLEYS, SIDEWALKS, DRIVEWAYS, AND STORM DRAINAGE FACILITIES IN THE PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE CITY OF DALLAS, STANDARD CONSTRUCTION DETAILS, FILE 251D-1, LATEST EDITION.
- ALL CONCRETE FOR PAVEMENT SHALL BE 4000 PSI FOR MACHINE FINISH AND 4500 PSI IF IT IS NECESSARY FOR HAND FINISH.
- A TRAFFIC CONTROL PLAN (TCP) MUST BE SUBMITTED TO THE DEPARTMENT OF TRANSPORTATION FOR REVIEW AND APPROVAL BY THE TRAFFIC SAFETY COORDINATORS PRIOR TO CONSTRUCTION. NO TRAFFIC LANE OR SIDEWALK ALONG THE PUBLIC STREET OR ALLEY IS TO BE CLOSED WITHOUT FIRST OBTAINING THE APPROPRIATE PERMIT(S). CLOSURE OF ANY TRAFFIC LANE MUST BE RESTRICTED TO THE HOURS OF 9:00 A.M. TO 3:30 P.M. WORKDAYS. CONTRACTOR MUST CALL (214)-670-6904 TO OBTAIN A PERMIT.
- EXISTING PUBLIC UTILITIES ARE TO REMAIN IN PLACE.
- ELEVATIONS OF STORM DRAIN TIE-INS ARE BASED ON SURVEY FLOWLINES OF INLETS AND MANHOLES.
- RCP SHALL BE CLASS III.
- MANHOLE COVERS ON INLET BOXES SHOULD BE LOCATED AT THE SAME END OF THE INLET BOX AS THE LATERAL DRAINING INLET.
- EMBEDMENT MATERIAL FOR ALL PUBLIC STORM DRAINS SHALL BE 1" CRUSHED LIMESTONE, FROM 6" BELOW THE PIPE TO HALF WAY UP THE PIPE SPRING LINE. REFER TO THE CITY OF DALLAS, STANDARD CONSTRUCTION DETAILS, FILE 251D-1, LATEST EDITION, PAGE 2006.
- ALL STORM DRAIN LINES MUST BE VIDEOED BY THE CONTRACTOR AFTER THE PAVING WORK ABOVE THE PIPE IS COMPLETE. PLEASE CONFIRM THAT THERE IS ADEQUATE ACCESS.

**BENCHMARKS:**

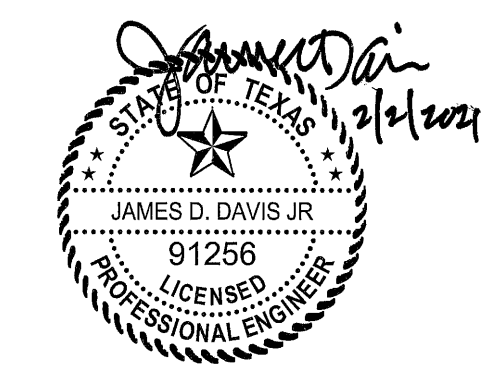
- BM# 795 A STANDARD WATER DEPARTMENT BENCH MARK SET ON CONCRETE CURB OF STORM SEWER DROP INLET ON THE SOUTHWEST CORNER OF THE INTERSECTION, ESTABLISHED GRID ELEVATION - 442.880 RECORDED GRID ELEVATION - 442.74
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CALL BEFORE YOU DIG!

TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL

Texas One Call System CALL 811

REV NO.		DATE		REVISIONS		BY	
				ISSUE FOR BID			
				MARTINEZ MOORE ENGINEERS, LLC 221 WEST 6TH ST., SUITE 800 AUSTIN, TX 78701 PHONE: 512-330-1278			
PLAT NO.	BLDG PERMIT NO.	SD&C ENGINEERING TRACKING NOS.					
N/A	N/A	WW21-XXX DP21-XXXX					
<b>STORM SEWER PLAN OVERALL</b> <b>UTSW BMES UTILITY RELOCATION</b> <b>2300 INWOOD DRIVE</b> <b>CRAWFORD GRIGSBY SURVEY</b> <b>ABSTRACT NO. 533</b>							
<b>SUSTAINABLE DEVELOPMENT &amp; CONSTRUCTION</b> <b>CITY OF DALLAS, DALLAS COUNTY, TEXAS</b>							
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET		
JDD	VDA	FEBRUARY 2021	311T	XXXX	C09.01		

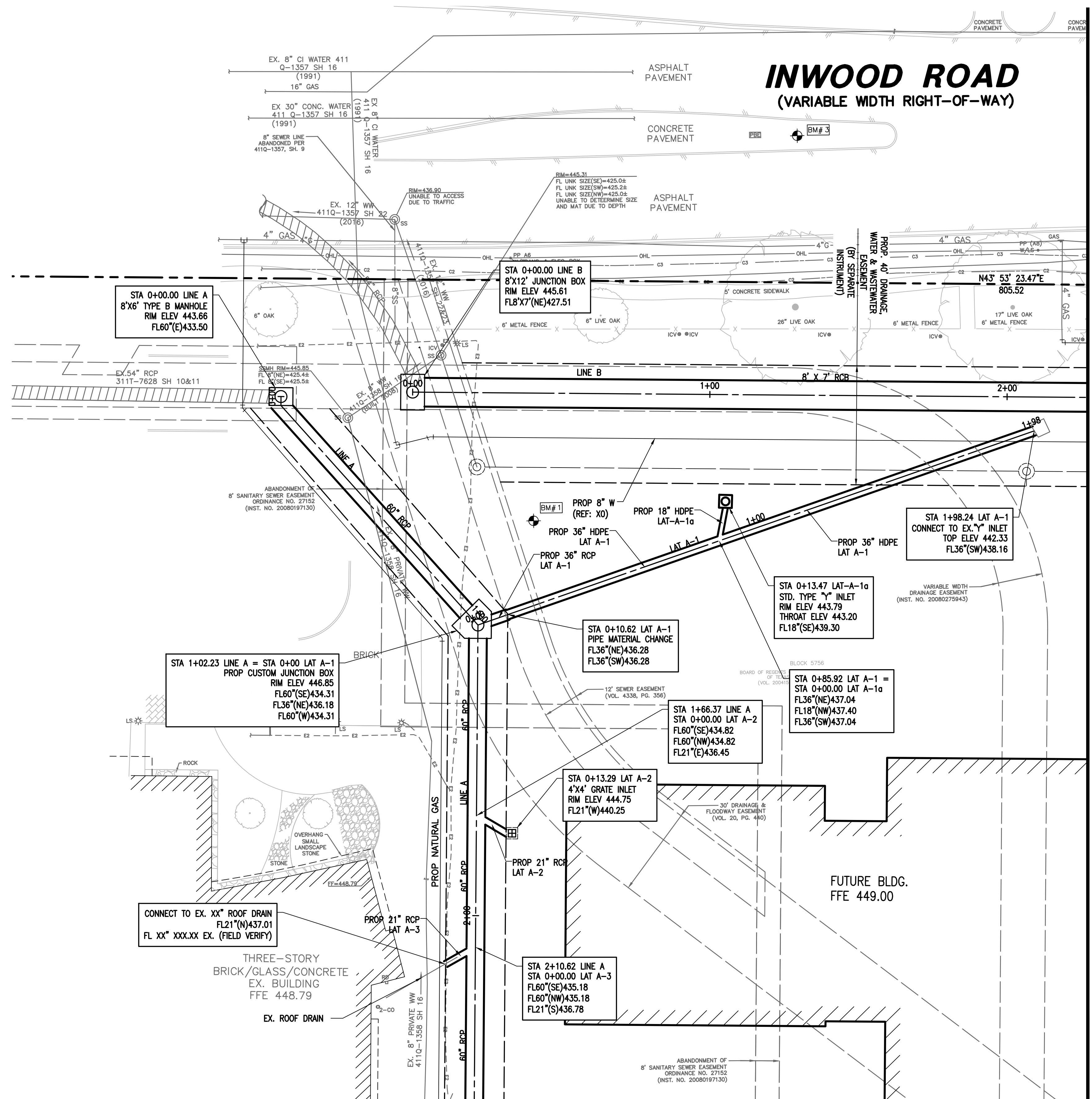


Walter P. Moore and Associates, Inc. TBPE Firm Registration No. 1856

**CONTRACT INFORMATION**

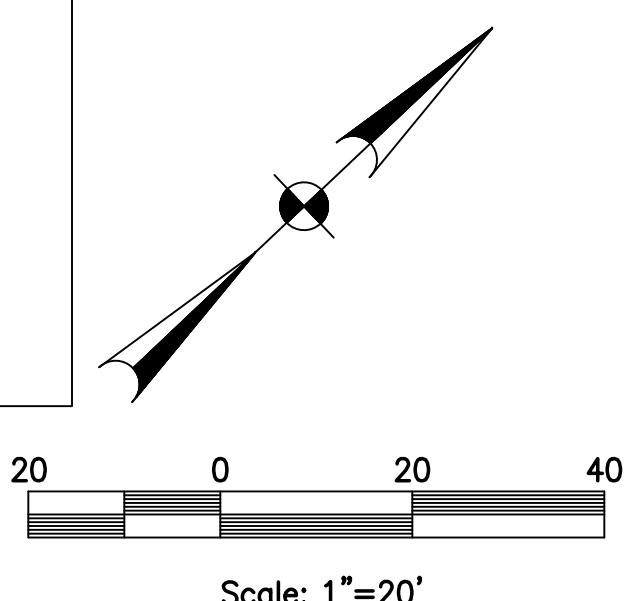
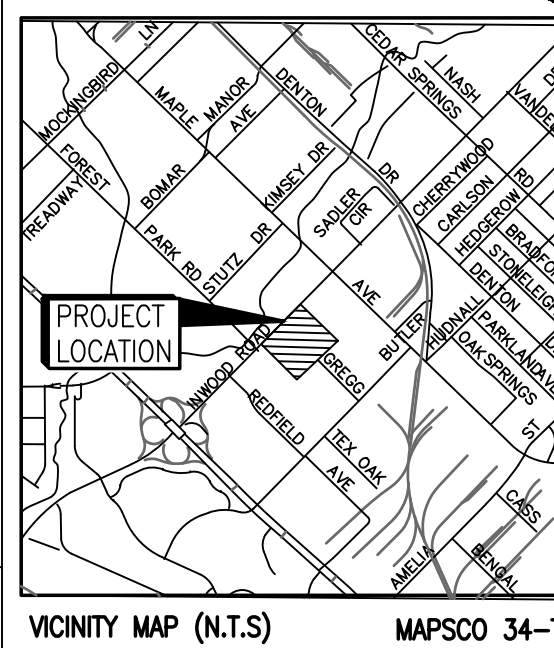
CONTRACT NO. \_\_\_\_\_ DATE \_\_\_\_\_  
 CONTRACTOR \_\_\_\_\_

# INWOOD ROAD (VARIABLE WIDTH RIGHT-OF-WAY)



### LEGEND

- PROPERTY LINE
- EXIST. STORM LINE
- EXIST. EASEMENT LINE
- PROP. EASEMENT LINE
- PROP. STORM LINE
- PROP. CURB INLET
- PROP. STORM MANHOLE
- PROP. GRATE INLET
- BENCHMARK



#### BENCHMARKS:

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CALL BEFORE YOU DIG!  
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Texas One Call System  
CALL 811

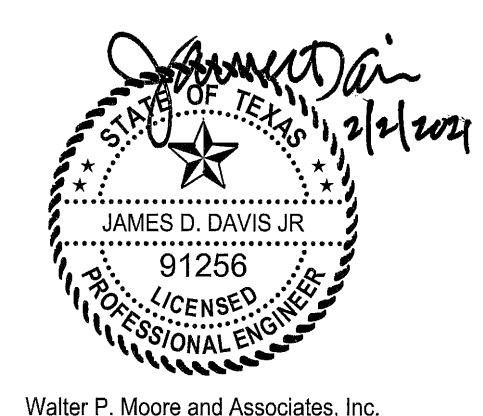
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		02/24/2021	ISSUE FOR BID		

**MARTINEZ MOORE ENGINEERS**  
MARTINEZ MOORE ENGINEERS, LLC  
221 WEST 6TH ST., SUITE 800  
AUSTIN, TX 78701  
PHONE: 512-330-1278

PLAT NO.	BLDG PERMIT NO.	SD&C ENGINEERING TRACKING NOS.
N/A	N/A	WW21-XXX DP21-XXXX

**STORM SEWER PLAN**  
**UTSW BMES UTILITY RELOCATION**  
**2300 INWOOD DRIVE**  
**CRAWFORD GRIGSBY SURVEY**  
**ABSTRACT NO. 533**  
**SUSTAINABLE DEVELOPMENT & CONSTRUCTION**  
**CITY OF DALLAS, DALLAS COUNTY, TEXAS**

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
JDD	VDA	FEBRUARY 2021	311T	XXXX	C09.02

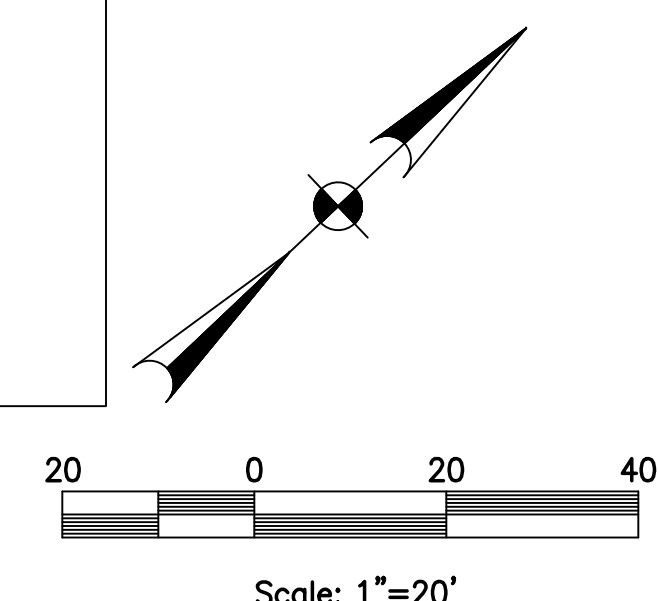
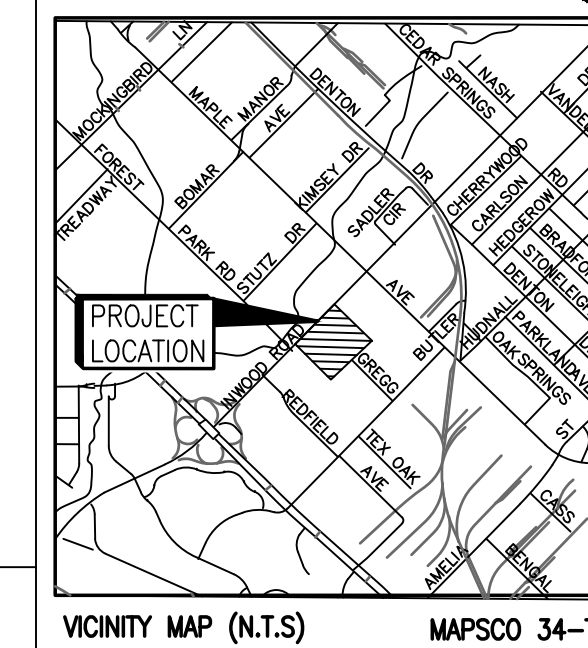


Walter P. Moore and Associates, Inc.  
TBPE Firm Registration No. 1856

CONTRACT INFORMATION  
CONTRACT NO. \_\_\_\_\_ DATE \_\_\_\_\_  
CONTRACTOR \_\_\_\_\_

MATCHLINE C09.04

MATCHLINE C09.03



**BENCHMARKS:**

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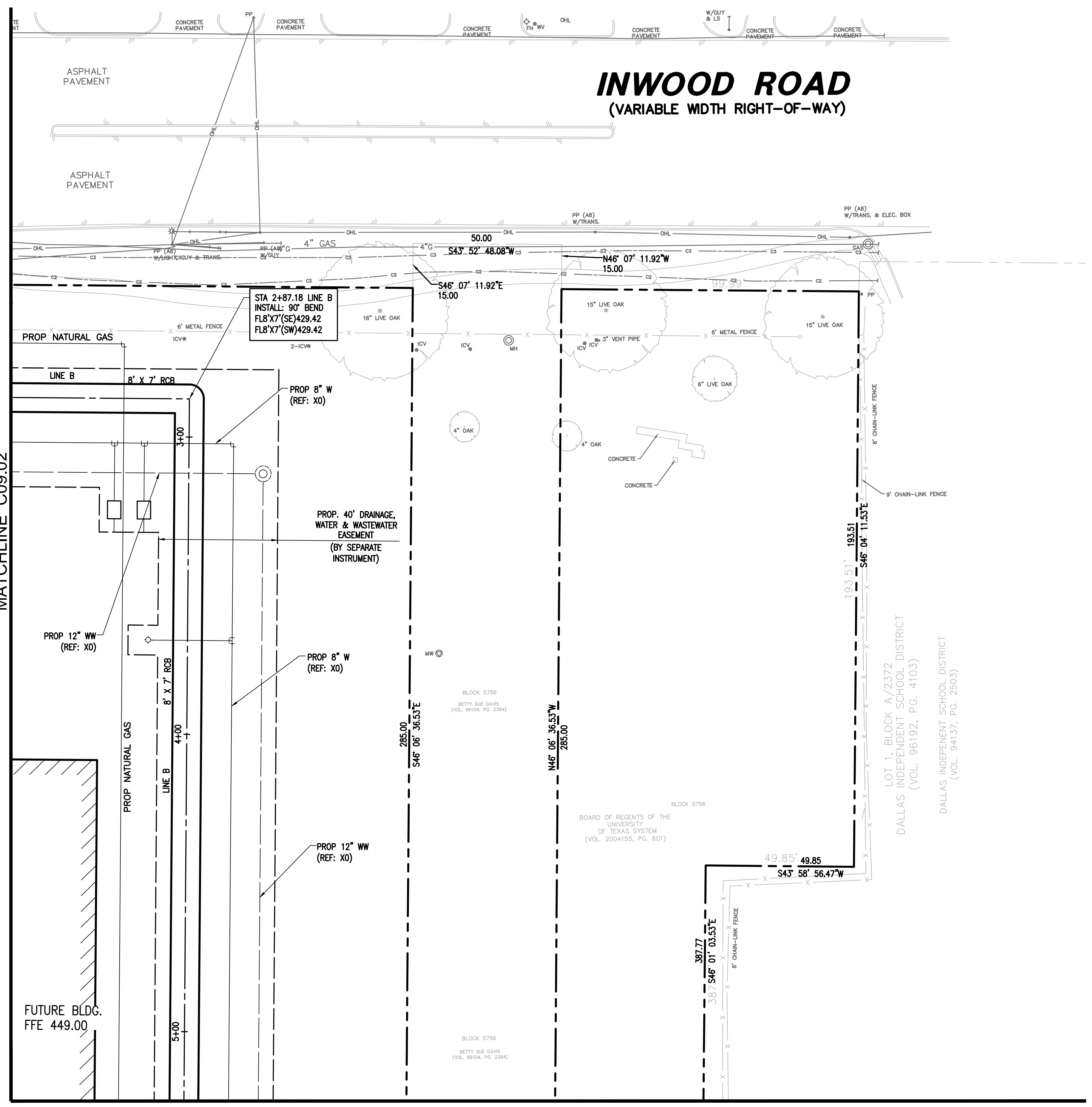
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- PROP. STORM MANHOLE
- ⊠ PROP. GRATE INLET
- ⊕ BENCHMARK



MATCHLINE C09.02

MATCHLINE C09.05



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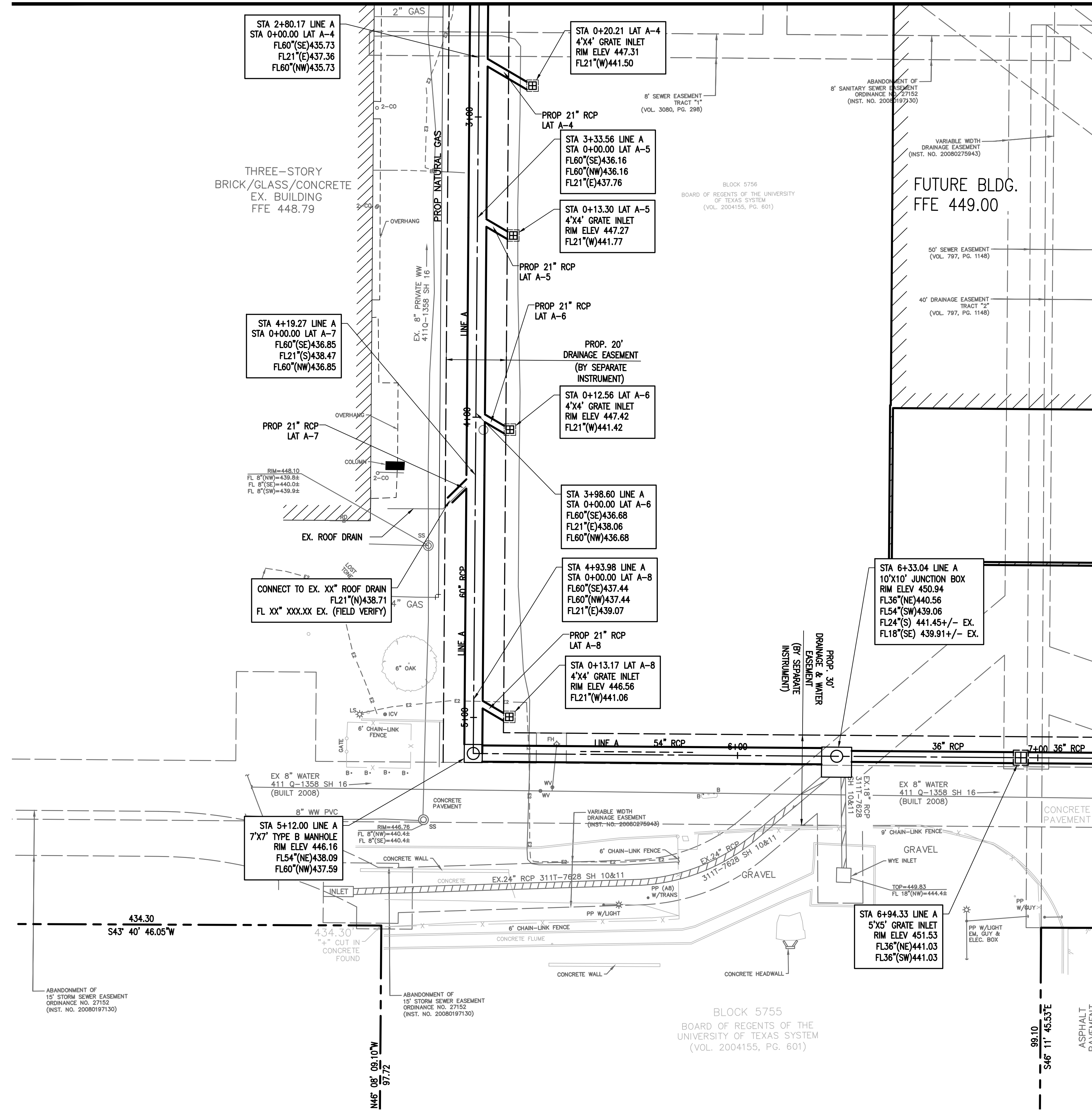
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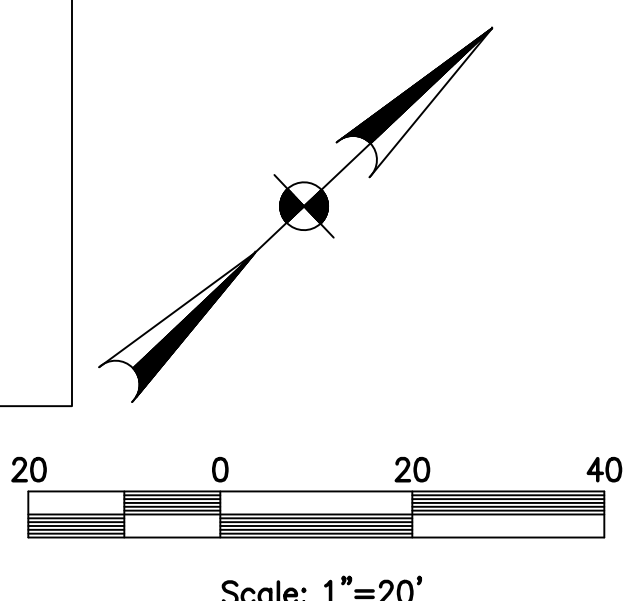
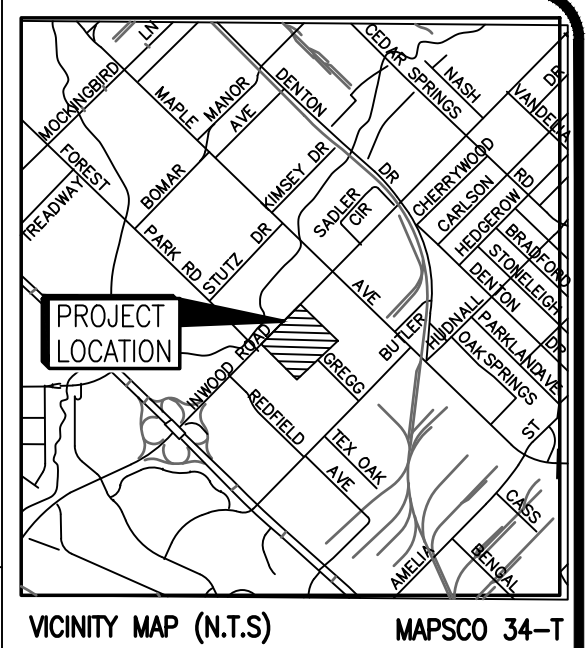
MATCHLINE C09.02



MATCHLINE C09.05

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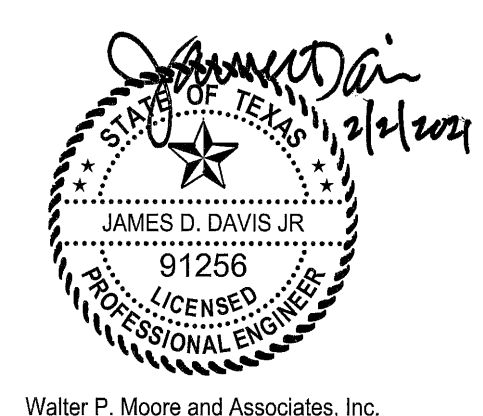
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<b>CITY OF DALLAS, DALLAS COUNTY, TEXAS</b>				
DESIGN JDD	DRAWN VDA	DATE FEBRUARY 2021	FILE 311T	NUMBER XXXX
			SHEET C09.04	



Walter P. Moore and Associates, Inc.  
 TBPE Firm Registration No. 1856

**CONTRACT INFORMATION**

CONTRACT NO. \_\_\_\_\_ DATE \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

ABANDONMENT OF  
 15" STORM SEWER EASEMENT  
 ORDINANCE NO. 27152  
 (INST. NO. 20080197130)

ABANDONMENT OF  
 18" STORM SEWER EASEMENT  
 ORDINANCE NO. 27152  
 (INST. NO. 20080197130)

BLOCK 5755  
 BOARD OF REGENTS OF THE UNIVERSITY  
 OF TEXAS SYSTEM  
 (VOL. 2004155, PG. 601)

ABANDONMENT OF  
 8" SANITARY SEWER EASEMENT  
 ORDINANCE NO. 27152  
 (INST. NO. 20080197130)

VARIABLE WIDTH  
 DRAINAGE EASEMENT  
 (INST. NO. 20080275943)

50' SEWER EASEMENT  
 (VOL. 797, PG. 1148)

40' DRAINAGE EASEMENT  
 TRACT "2"  
 (VOL. 797, PG. 1148)

BLOCK 5756  
 BOARD OF REGENTS OF THE UNIVERSITY  
 OF TEXAS SYSTEM  
 (VOL. 2004155, PG. 601)

8" SEWER EASEMENT  
 TRACT "1"  
 (VOL. 3080, PG. 298)

PROP. 21" RCP  
 LAT A-4

PROP. 21" RCP  
 LAT A-5

PROP. 21" RCP  
 LAT A-6

PROP. 20'  
 DRAINAGE EASEMENT  
 (BY SEPARATE  
 INSTRUMENT)

PROP. 21" RCP  
 LAT A-8

PROP. 30'  
 DRAINAGE & WATER  
 EASEMENT  
 (BY SEPARATE  
 INSTRUMENT)

STA 6+94.33 LINE A  
 5'x5' GRATE INLET  
 RIM ELEV 451.53  
 FL36'(NE)441.03  
 FL36'(SW)441.03

STA 5+12.00 LINE A  
 7'x7' TYPE B MANHOLE  
 RIM ELEV 446.16  
 FL54'(NE)438.09  
 FL60'(NW)437.59

STA 3+98.60 LINE A  
 STA 0+00.00 LAT A-6  
 FL60'(SE)436.68  
 FL21'(E)438.06  
 FL60'(NW)436.68

STA 0+12.56 LAT A-6  
 4'x4' GRATE INLET  
 RIM ELEV 447.42  
 FL21'(W)441.42

STA 0+13.30 LAT A-5  
 4'x4' GRATE INLET  
 RIM ELEV 447.27  
 FL21'(W)441.77

STA 0+20.21 LAT A-4  
 4'x4' GRATE INLET  
 RIM ELEV 447.31  
 FL21'(W)441.50

STA 4+19.27 LINE A  
 STA 0+00.00 LAT A-7  
 FL60'(SE)436.85  
 FL21'(S)438.47  
 FL60'(NW)436.85

STA 2+80.17 LINE A  
 STA 0+00.00 LAT A-4  
 FL60'(SE)435.73  
 FL21'(E)437.36  
 FL60'(NW)435.73

THREE-STORY  
 BRICK/GLASS/CONCRETE  
 EX. BUILDING  
 FFE 448.79

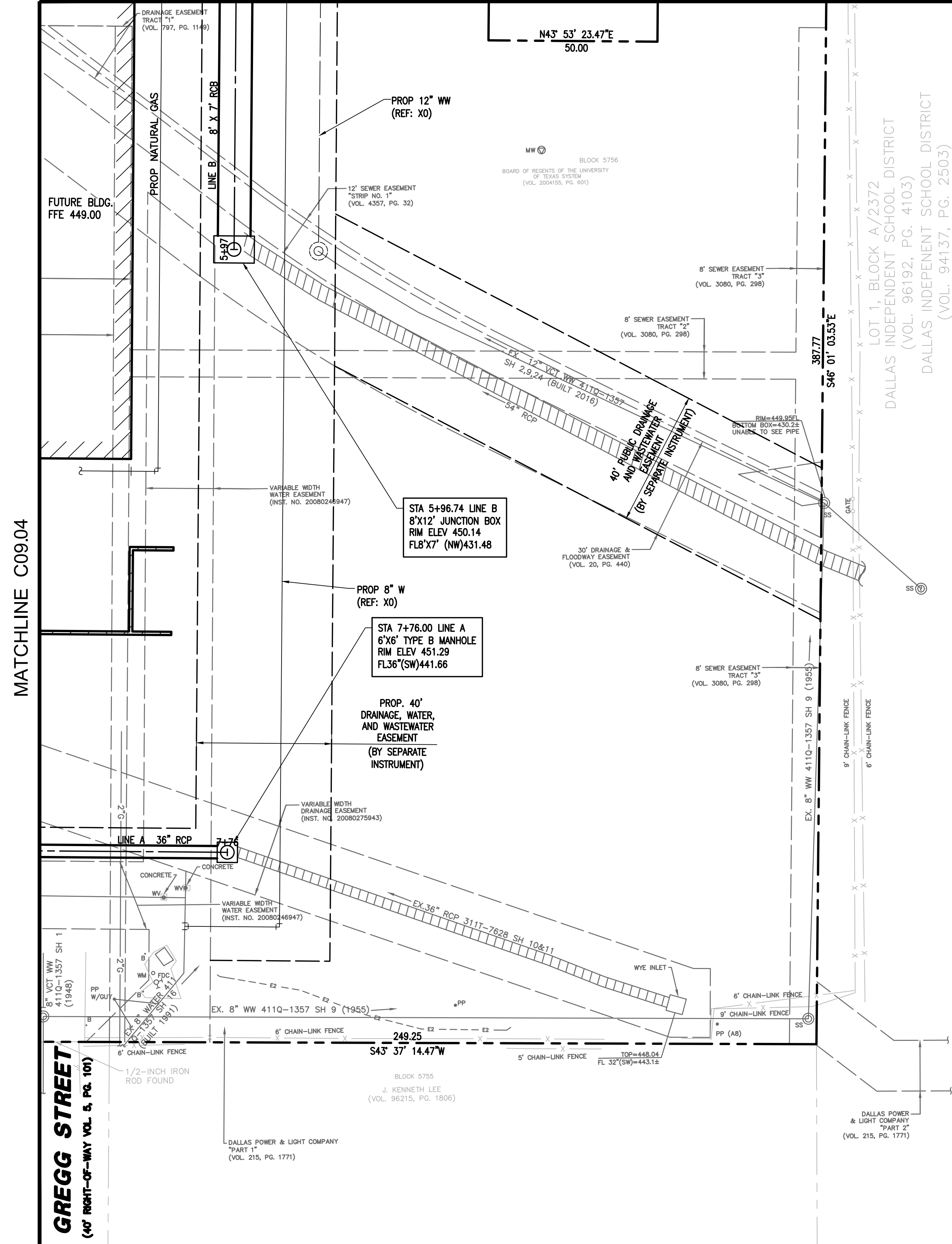
FUTURE BLDG.  
 FFE 449.00

434.30  
 S43° 40' 46.05" W

89.10  
 S46° 11' 48.53" E

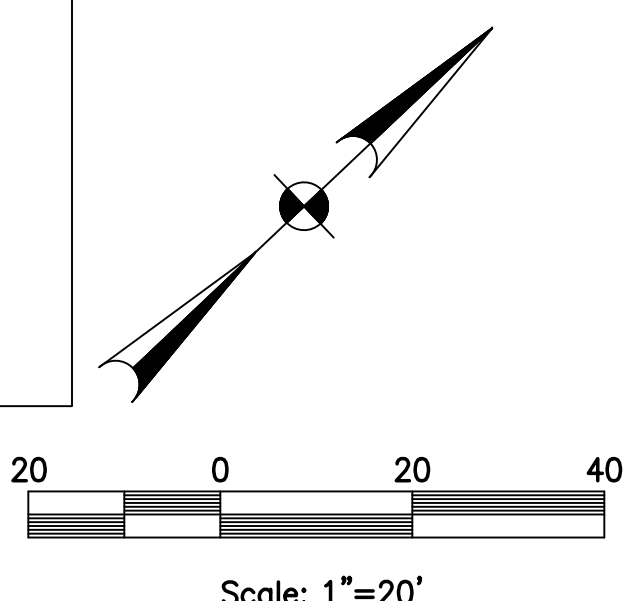
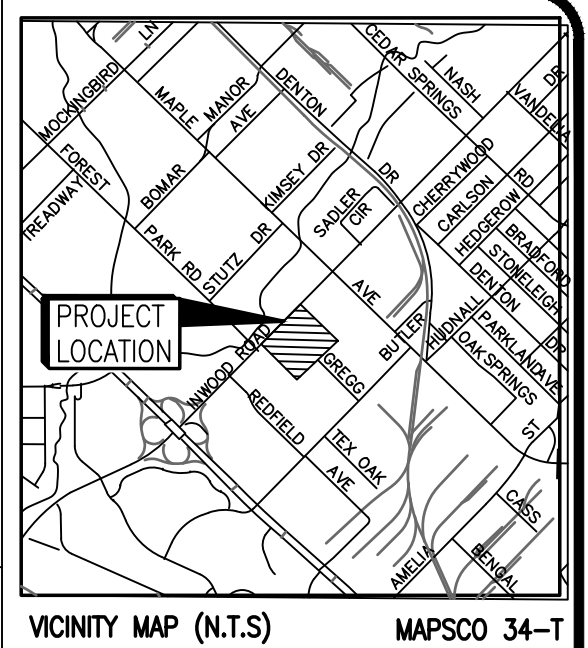
M&S 08' 00" W  
 97.72

MATCHLINE C09.03



**LEGEND**

- PROPERTY LINE
- ==== EXIST. STORM LINE
- - - - EXIST. EASEMENT LINE
- - - - PROP. EASEMENT LINE
- ==== PROP. STORM LINE
- PROP. CURB INLET
- PROP. STORM MANHOLE
- ⊞ PROP. GRATE INLET
- ⊕ BENCHMARK



**BENCHMARKS:**

BM# 795 A STANDARD WATER DEPARTMENT BENCH MARK SET ON CONCRETE CURB OF STORM SEWER DROP INLET ON THE SOUTHEAST CORNER OF THE INTERSECTION. ESTABLISHED GRID ELEVATION : 442.880 RECORDED GRID ELEVATION : 442.74

BM# 802 A SQUARE IS CUT ON CENTER OF CONCRETE CURB ON INLET NORTH SIDE OF IRVING BOULEVARD IN FRONT OF BUILDING #2780 IRVING BOULEVARD. ESTABLISHED GRID ELEVATION : 403.78 RECORDED GRID ELEVATION : 403.77

BM# 1 "X" CUT SET ON THE SOUTHEAST EDGE OF A CONCRETE SIDEWALK, ±115 FEET NORTH OF THE NORTHEAST BUILDING CORNER, ±130 FEET SOUTH OF THE CENTERLINE OF INWOOD ROAD AND ±33 FEET WEST OF A CONCRETE DRIVE ENTRANCE. N: 6985868.26, E: 2479190.00, ELEVATION : 445.274

BM# 3 "X" CUT SET ON A CONCRETE MEDIAN IN INWOOD ROAD, ±300 FEET NORTHEAST OF THE INTERSECTION OF FOREST PARK ROAD AND INWOOD ROAD. N:6986021.72, E: 2479156.92, ELEVATION: 440.327

CALL BEFORE YOU DIG!  
 TEXAS ONE CALL PARTICIPANTS REQUEST  
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,  
 OR BLAST - STOP CALL  
 Texas One Call System  
 CALL 811

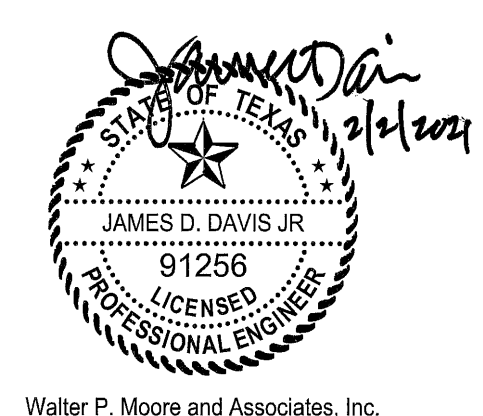
REV NO.		DATE	REVISIONS	DESCRIPTION	BY
		02/24/2021	ISSUE FOR BID		

**MARTINEZ MOORE ENGINEERS** MARTINEZ MOORE ENGINEERS, LLC  
 221 WEST 6TH ST., SUITE 800  
 AUSTIN, TX 78701  
 PHONE: 512-330-1278

PLAT NO.	BLDG PERMIT NO.	SD&C ENGINEERING TRACKING NOS.
N/A	N/A	WW21-XXX DP21-XXXX

**STORM SEWER PLAN**  
**UTSW BMES UTILITY RELOCATION**  
**2300 INWOOD DRIVE**  
**CRAWFORD GRIGSBY SURVEY**  
**ABSTRACT NO. 533**  
**SUSTAINABLE DEVELOPMENT & CONSTRUCTION**  
**CITY OF DALLAS, DALLAS COUNTY, TEXAS**

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
JDD	VDA	FEBRUARY 2021	311T	XXXX	C09.05



Walter P. Moore and Associates, Inc.  
 TBPE Firm Registration No. 1856

**CONTRACT INFORMATION**

CONTRACT NO. \_\_\_\_\_ DATE \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

MATCHLINE C09.04

**GREGG STREET**  
 (40' RIGHT-OF-WAY VOL. 5, PG. 101)

LOT 1, BLOCK A/2372  
 DALLAS INDEPENDENT SCHOOL DISTRICT  
 (VOL. 96192, PG. 4103)  
 DALLAS INDEPENDENT SCHOOL DISTRICT  
 (VOL. 94137, PG. 2503)

DALLAS POWER & LIGHT COMPANY  
 "PART 1"  
 (VOL. 215, PG. 1771)

DALLAS POWER & LIGHT COMPANY  
 "PART 2"  
 (VOL. 215, PG. 1771)

BLOCK 5755  
 J. KENNETH LEE  
 (VOL. 96215, PG. 1806)

STA 5+96.74 LINE B  
 8'x12' JUNCTION BOX  
 RIM ELEV 450.14  
 FL 8'x7' (NW) 431.48

STA 7+76.00 LINE A  
 6'x6' TYPE B MANHOLE  
 RIM ELEV 451.29  
 FL 36" (SW) 441.66

PROP. 40'  
 DRAINAGE, WATER,  
 AND WASTEWATER  
 EASEMENT  
 (BY SEPARATE  
 INSTRUMENT)

PROP 8" W  
 (REF: X0)

PROP 12" WW  
 (REF: X0)

DRAINAGE EASEMENT  
 TRACT "1"  
 (VOL. 797, PG. 1149)

PROP. NATURAL GAS  
 LINE B, 8" x 7' RCB

N43° 53' 23.47"E  
 50.00

S46° 01' 03.53"E  
 367.77

VARIABLE WIDTH  
 WATER EASEMENT  
 (INST. NO. 2008024947)

VARIABLE WIDTH  
 DRAINAGE EASEMENT  
 (INST. NO. 20080275943)

VARIABLE WIDTH  
 WATER EASEMENT  
 (INST. NO. 20080246947)

8" SEWER EASEMENT  
 TRACT "3"  
 (VOL. 3080, PG. 298)

8" SEWER EASEMENT  
 TRACT "2"  
 (VOL. 3080, PG. 298)

8" SEWER EASEMENT  
 TRACT "4"  
 (VOL. 3080, PG. 298)

6" CHAIN-LINK FENCE

5' CHAIN-LINK FENCE

6" CHAIN-LINK FENCE

9" CHAIN-LINK FENCE

6" CHAIN-LINK FENCE

9" CHAIN-LINK FENCE

6" CHAIN-LINK FENCE

9" CHAIN-LINK FENCE

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9" CHAIN-LINK FENCE

6" CHAIN-LINK FENCE

9" CHAIN-LINK FENCE

6" CHAIN-LINK FENCE

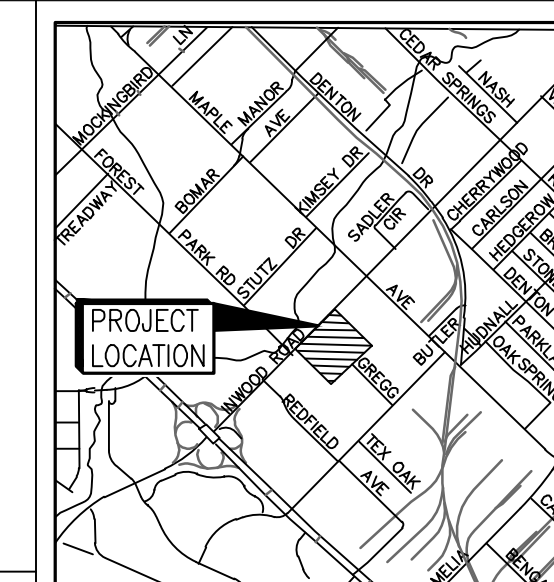
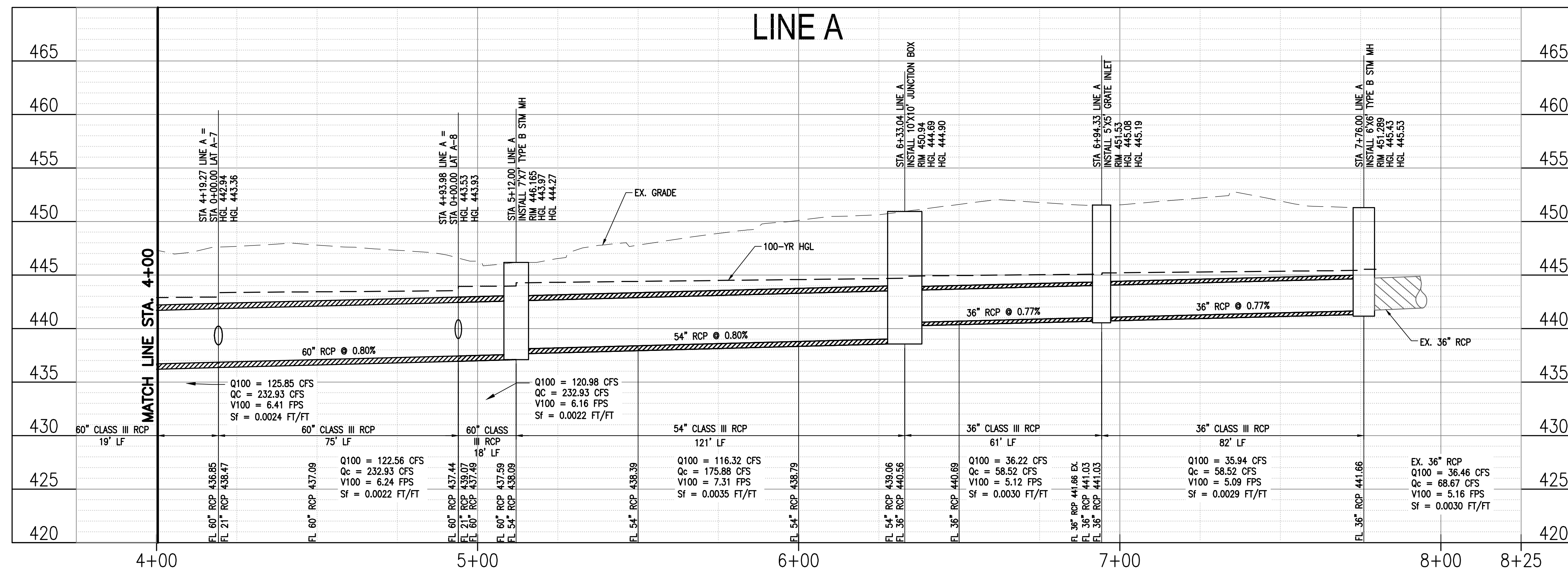
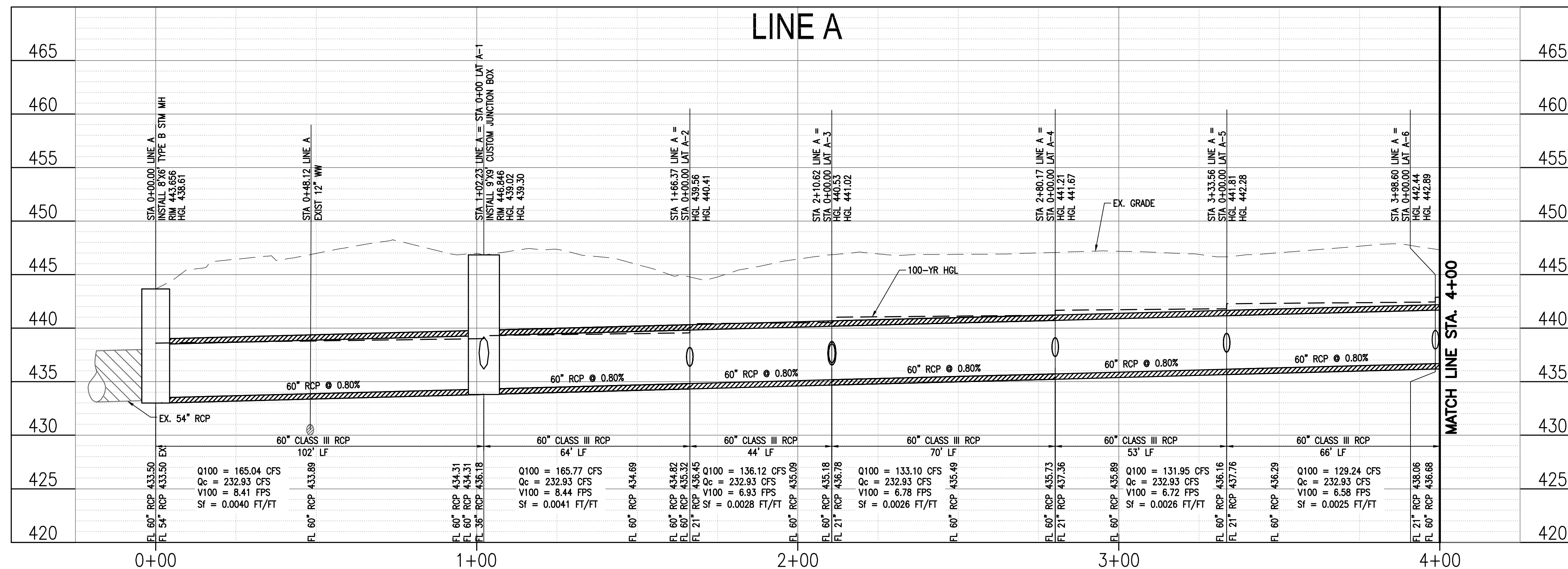
9" CHAIN-LINK FENCE

6" CHAIN-LINK FENCE

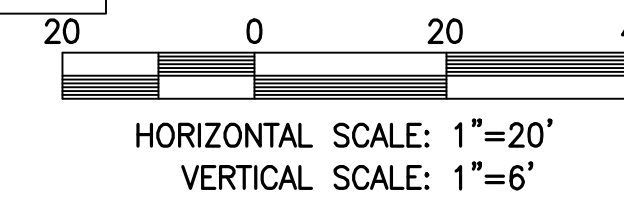
9" CHAIN-LINK FENCE

6" CHAIN-LINK FENCE

9" CHAIN-LINK FENCE



VICINITY MAP (N.T.S) MAPSCO 34-T



**BENCHMARKS:**

BM# 795 A STANDARD WATER DEPARTMENT BENCH MARK SET ON CONCRETE CURB OF STORM SEWER DROP INLET ON THE SOUTHEAST CORNER OF THE INTERSECTION. ESTABLISHED GRID ELEVATION : 442.880 RECORDED GRID ELEVATION : 442.74

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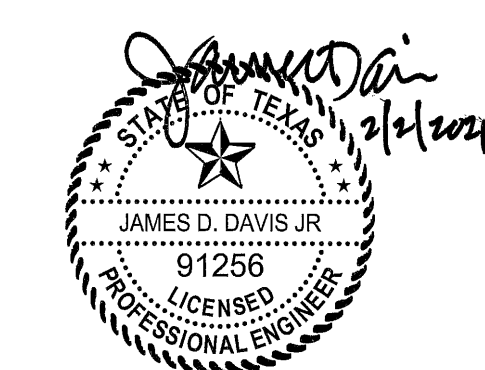
BM# 1 "X" CUT SET ON THE SOUTHEAST EDGE OF A CONCRETE SIDEWALK, ±115 FEET NORTH OF THE NORTHEAST BUILDING CORNER, ±130 FEET SOUTH OF THE CENTERLINE OF INWOOD ROAD AND ±33 FEET WEST OF A CONCRETE DRIVE ENTRANCE. N: 6985868.26, E: 2479190.00, ELEVATION : 445.274

BM# 3 "X" CUT SET ON A CONCRETE MEDIAN IN INWOOD ROAD, ±300 FEET NORTHEAST OF THE INTERSECTION OF FOREST PARK ROAD AND INWOOD ROAD. N:6986021.72, E: 2479156.92, ELEVATION: 440.327

CALL BEFORE YOU DIG!  
TEXAS ONE CALL PARTICIPANTS REQUEST  
48 HOURS NOTICE BEFORE YOU DIG, DRILL,  
OR BLAST - STOP CALL  
Texas One Call System  
CALL 811

REV NO.	DATE	REVISIONS DESCRIPTION	BY
	02/24/2021	ISSUE FOR BID	

<b>MARTINEZ MOORE ENGINEERS</b>		MARTINEZ MOORE ENGINEERS, LLC 221 WEST 6TH ST., SUITE 800 AUSTIN, TX 78701 PHONE: 512-330-1278	
PLAT NO. N/A	BLDG PERMIT NO. N/A	SD&C ENGINEERING TRACKING NOS. WW21-XXX	DP21-XXXX
<b>STORM SEWER PROFILE</b>			
<b>UTSW BMES UTILITY RELOCATION</b>			
<b>2300 INWOOD DRIVE</b>			
<b>CRAWFORD GRIGSBY SURVEY</b>			
<b>ABSTRACT NO. 533</b>			
<b>SUSTAINABLE DEVELOPMENT &amp; CONSTRUCTION</b>			
<b>CITY OF DALLAS, DALLAS COUNTY, TEXAS</b>			
DESIGN JDD	DRAWN VDA	DATE FEBRUARY 2021	FILE 311T
			NUMBER XXXX
			SHEET C09.06

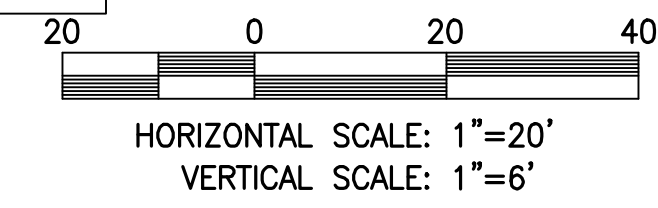
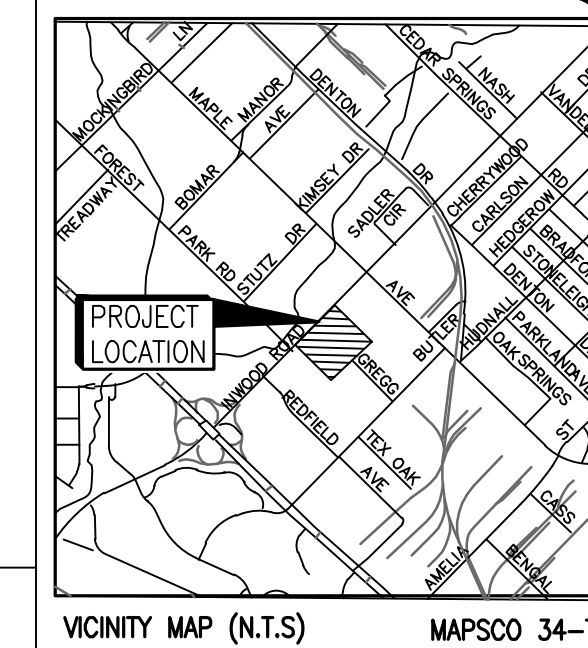
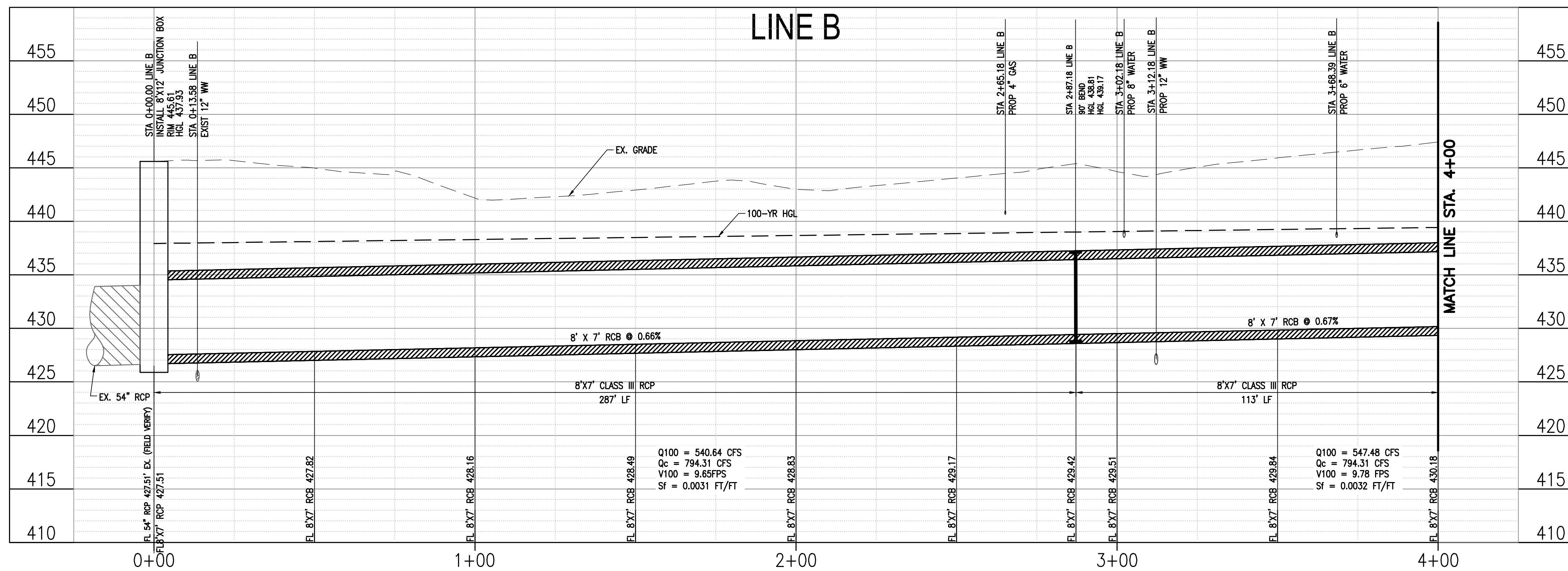


Walter P. Moore and Associates, Inc.  
TPE Firm Registration No. 1886

**CONTRACT INFORMATION**

CONTRACT NO. \_\_\_\_\_ DATE \_\_\_\_\_

CONTRACTOR \_\_\_\_\_



**BENCHMARKS:**

- BM# 795: A STANDARD WATER DEPARTMENT BENCH MARK SET ON CONCRETE CURB OF STORM SEWER DRAIN INLET ON THE SOUTHEAST CORNER OF THE INTERSECTION. ESTABLISHED GRID ELEVATION: 442.880. RECORDED GRID ELEVATION: 442.74.
- BM# 802: A SQUARE IS CUT ON CENTER OF CONCRETE CURB ON INLET NORTH SIDE OF IRVING BOULEVARD IN FRONT OF BUILDING #2780 IRVING BOULEVARD. ESTABLISHED GRID ELEVATION: 403.78. RECORDED GRID ELEVATION: 403.77.
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CALL BEFORE YOU DIG!  
 TEXAS ONE CALL PARTICIPANTS REQUEST  
 48 HOURS NOTICE BEFORE YOU DIG, DRILL,  
 OR BLAST - STOP CALL  
 Texas One Call System  
 CALL 811

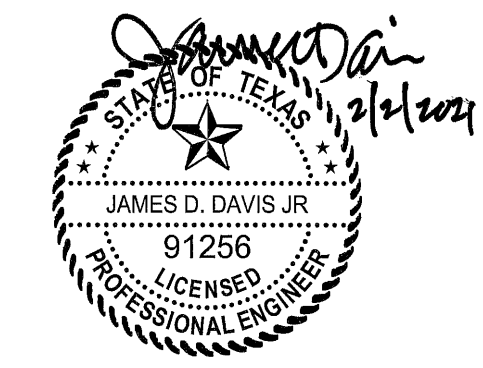
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**MARTINEZ MOORE ENGINEERS**  
 MARTINEZ MOORE ENGINEERS, LLC  
 221 WEST 6TH ST., SUITE 800  
 AUSTIN, TX 78701  
 PHONE: 512-330-1278

PLAT NO.	BLDG PERMIT NO.	SD&C ENGINEERING TRACKING NOS.
N/A	N/A	WW21-XXX DP21-XXXX

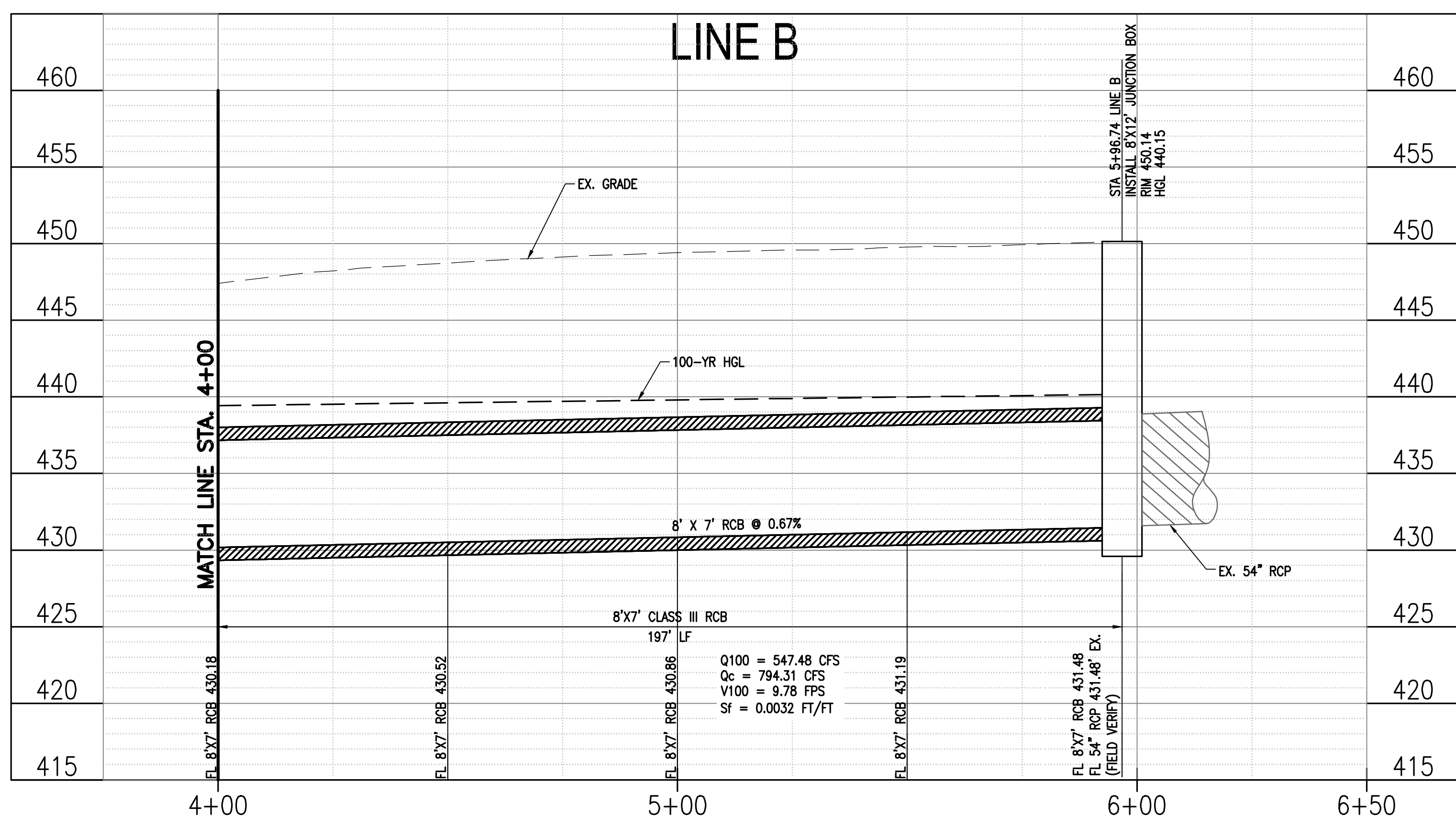
**STORM SEWER PROFILE**  
**UTSW BMES UTILITY RELOCATION**  
**2300 INWOOD DRIVE**  
**CRAWFORD GRIGSBY SURVEY**  
**ABSTRACT NO. 533**  
**SUSTAINABLE DEVELOPMENT & CONSTRUCTION**  
**CITY OF DALLAS, DALLAS COUNTY, TEXAS**

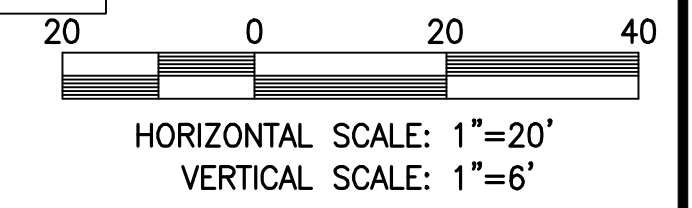
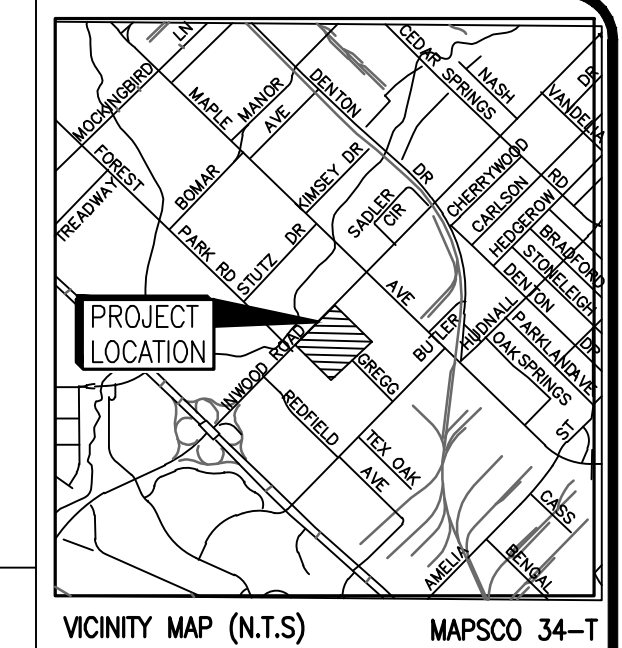
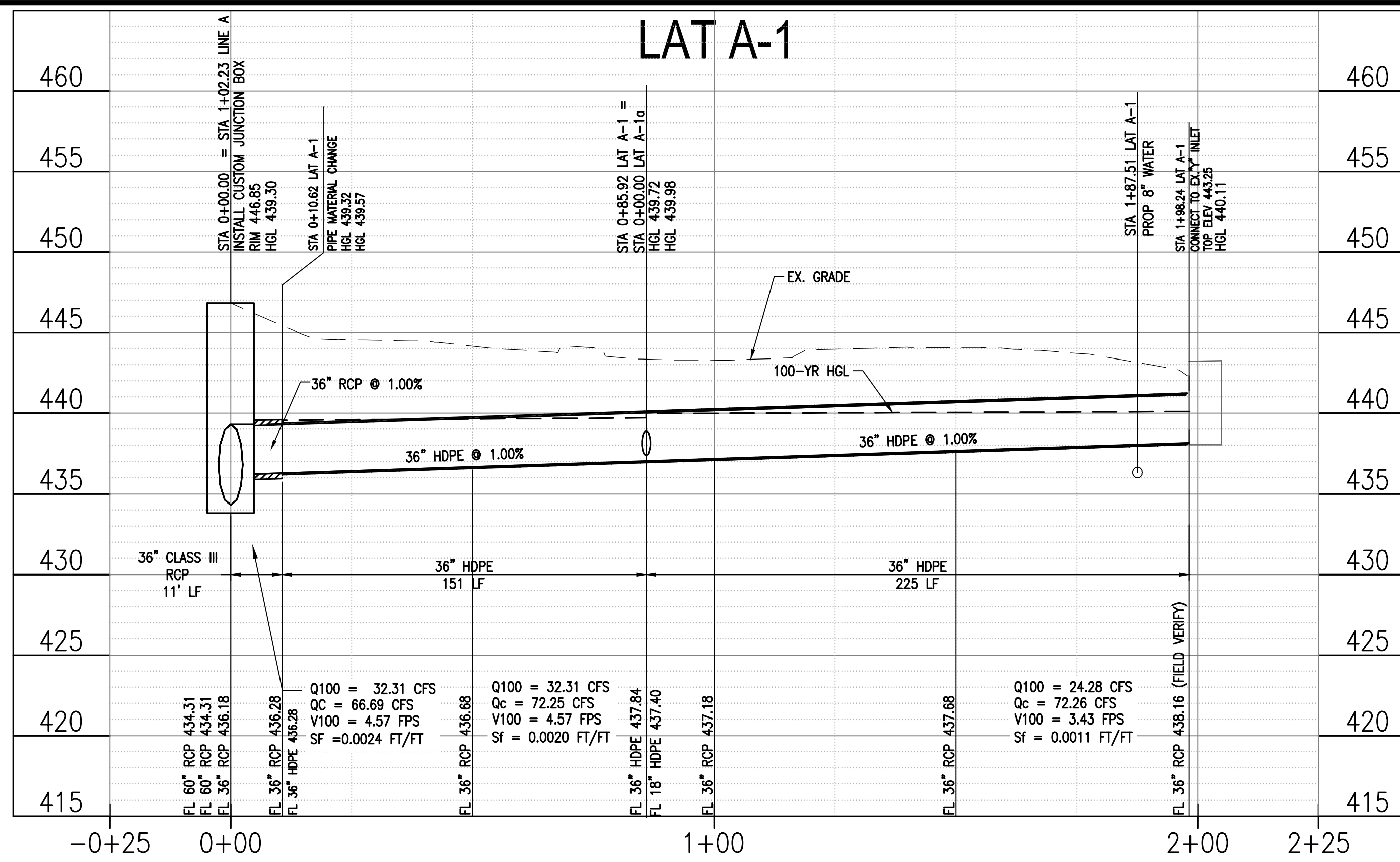
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JDD	VDA	FEBRUARY 2021	311T	XXXX	C09.07



Walter P. Moore and Associates, Inc.  
 TBPE Firm Registration No. 1856

**CONTRACT INFORMATION**  
 CONTRACT NO. \_\_\_\_\_ DATE \_\_\_\_\_  
 CONTRACTOR \_\_\_\_\_





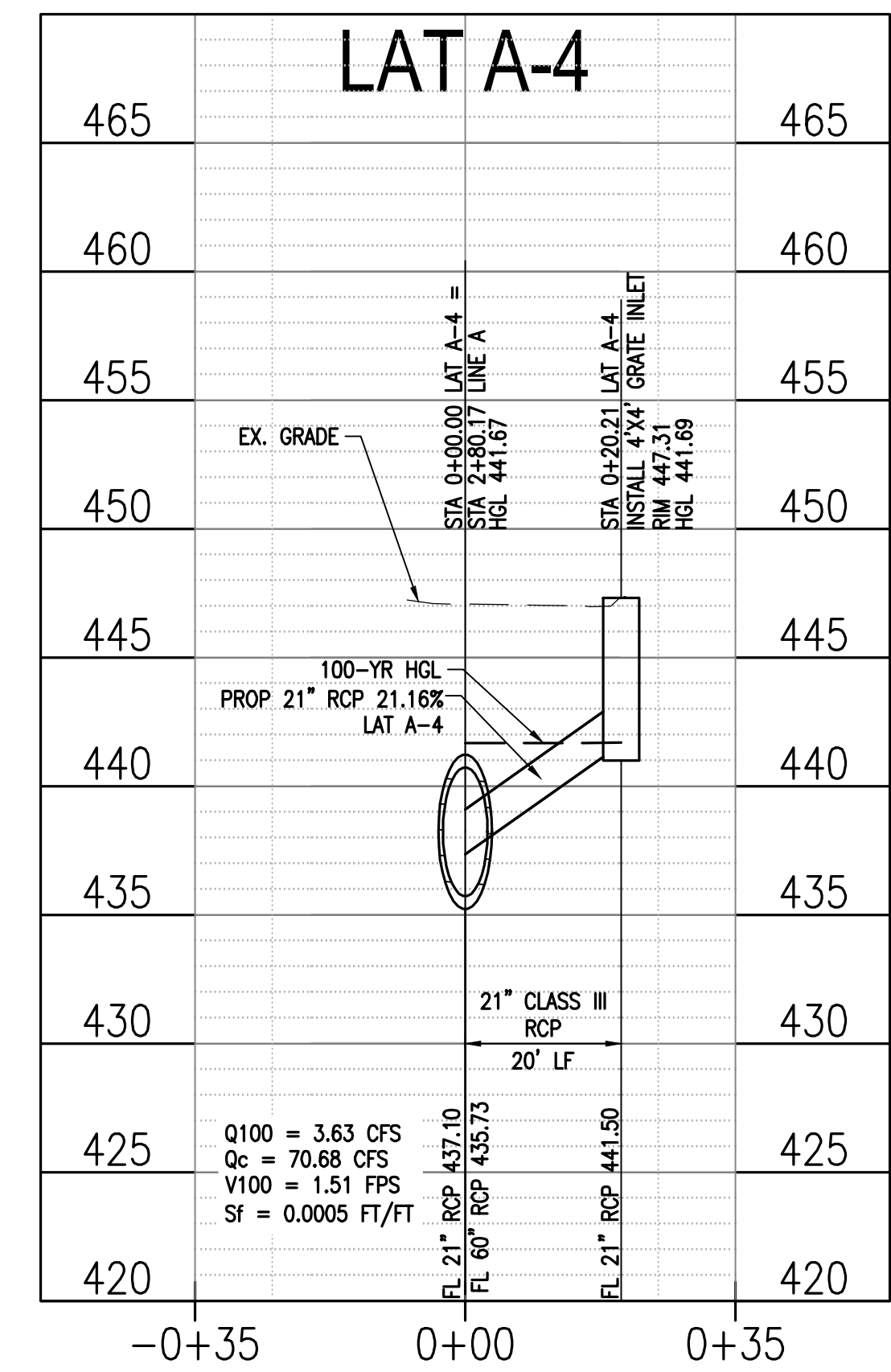
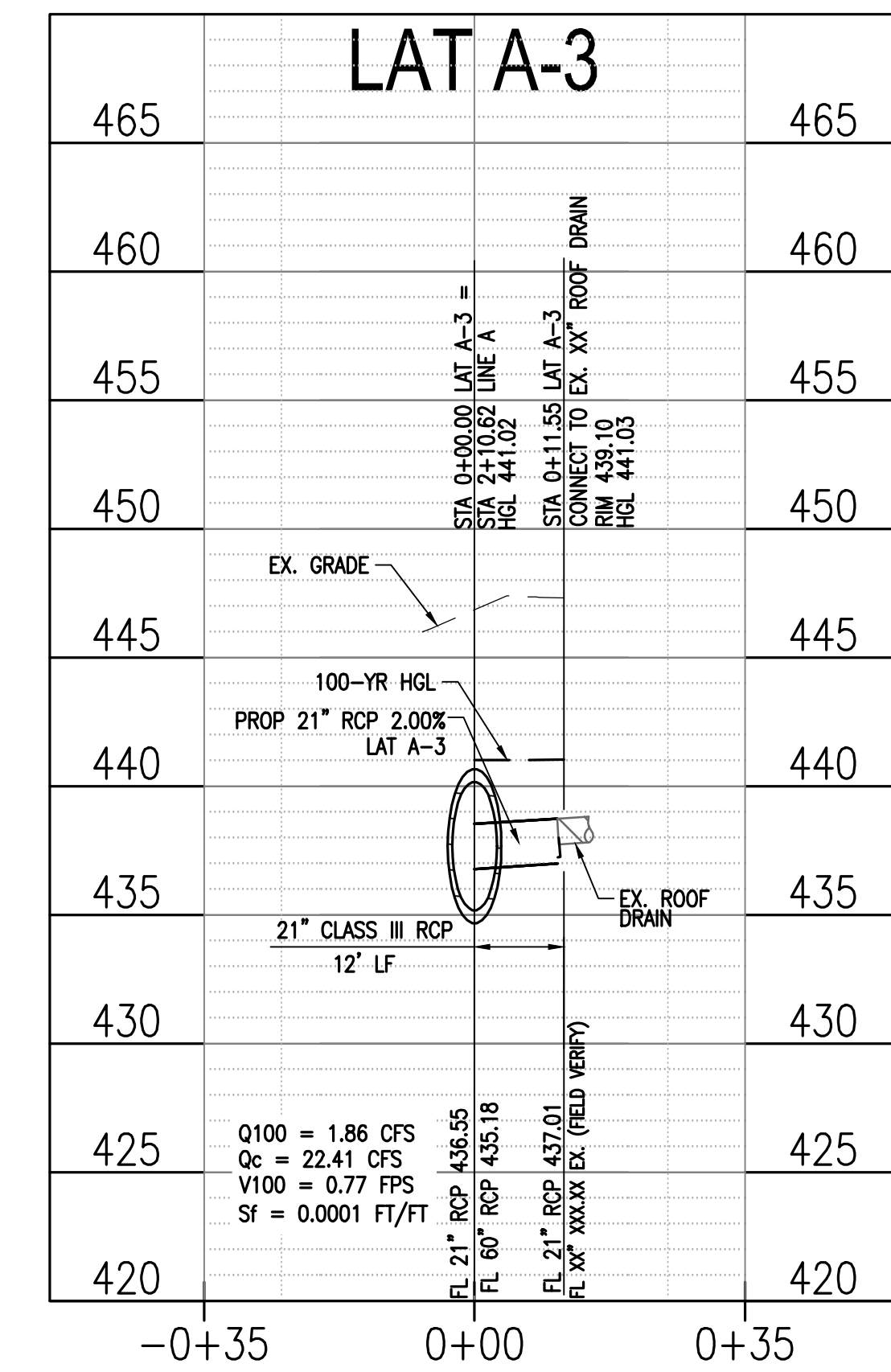
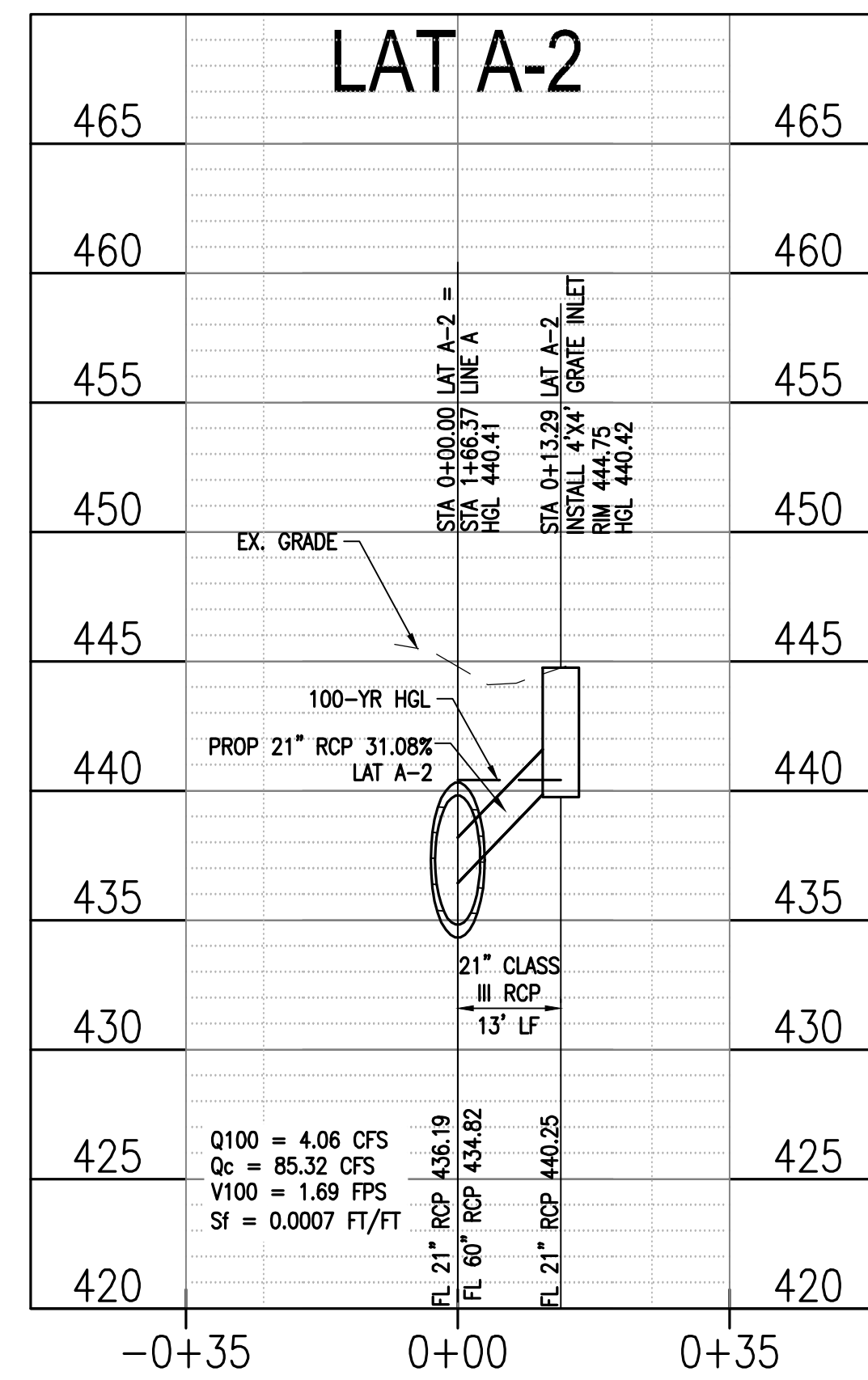
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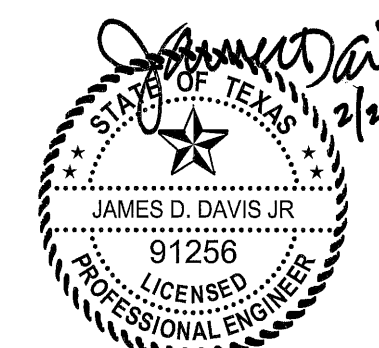
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		02/24/2021	ISSUE FOR BID		

**MARTINEZ MOORE ENGINEERS** MARTINEZ MOORE ENGINEERS, LLC  
 221 WEST 6TH ST., SUITE 800  
 AUSTIN, TX 78701  
 PHONE: 512-330-1278

PLAT NO.	BLDG PERMIT NO.	SD&C ENGINEERING TRACKING NOS.
N/A	N/A	WW21-XXX DP21-XXXX

**STORM SEWER PROFILE**  
**UTSW BMES UTILITY RELOCATION**  
**2300 INWOOD DRIVE**  
**CRAWFORD GRIGSBY SURVEY**  
**ABSTRACT NO. 533**  
**SUSTAINABLE DEVELOPMENT & CONSTRUCTION**  
**CITY OF DALLAS, DALLAS COUNTY, TEXAS**

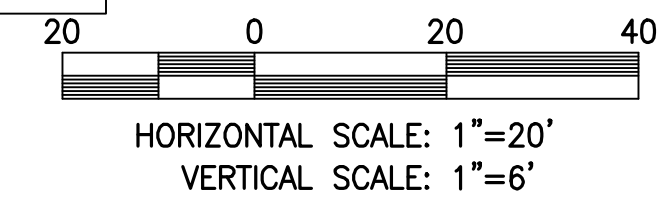
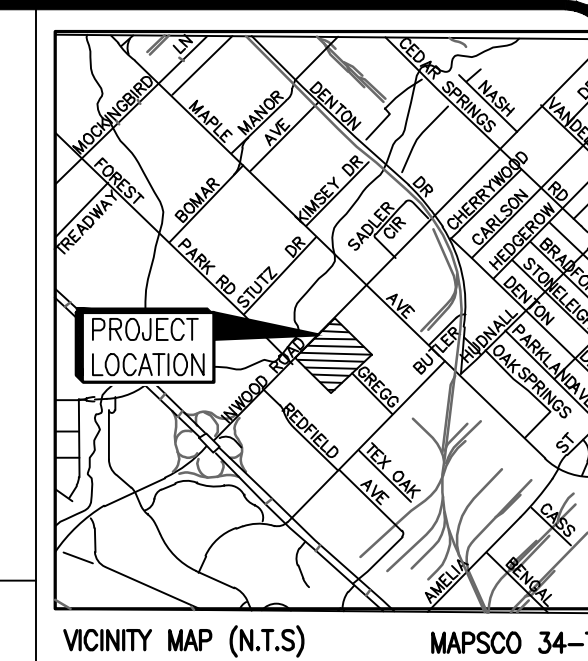
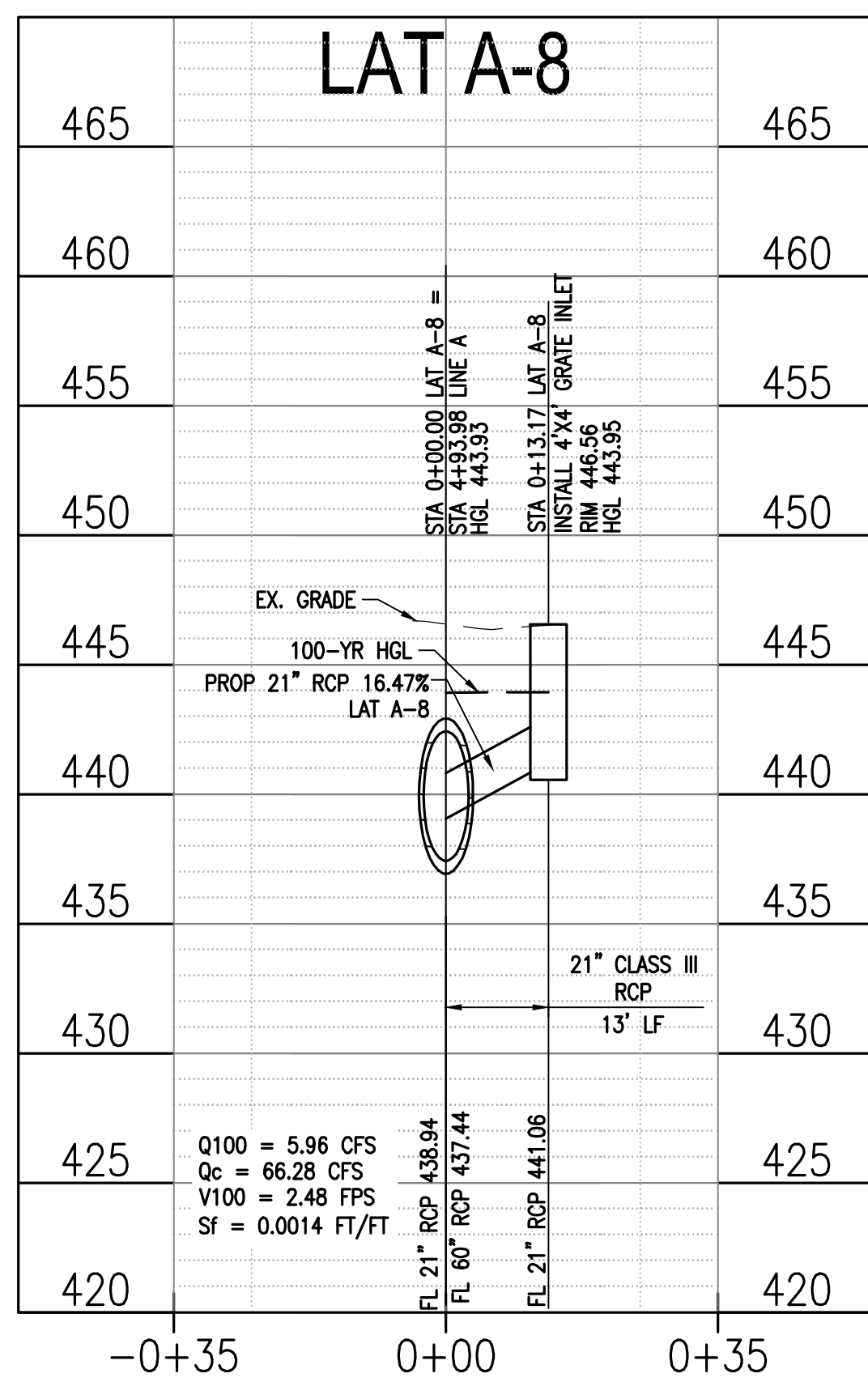
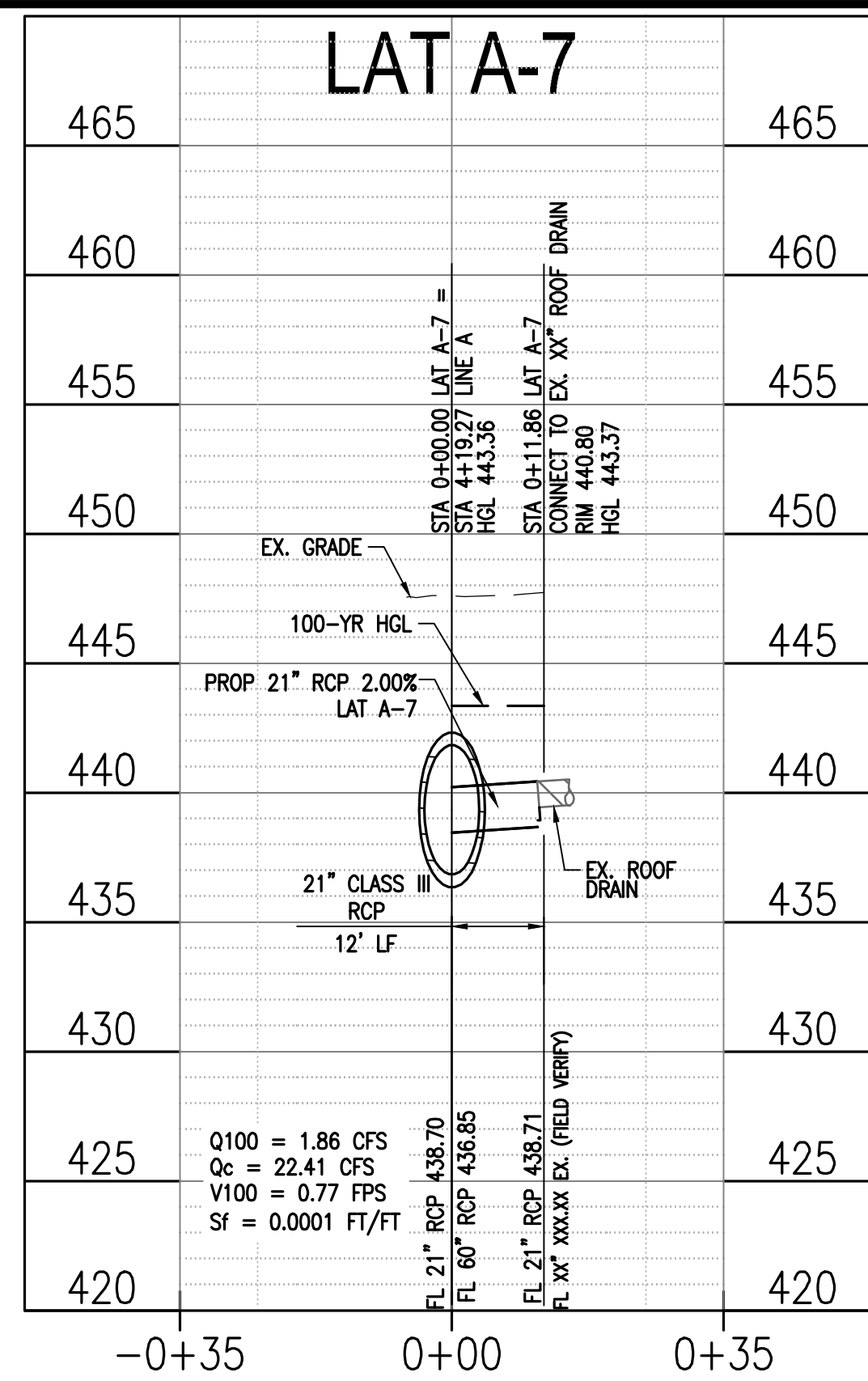
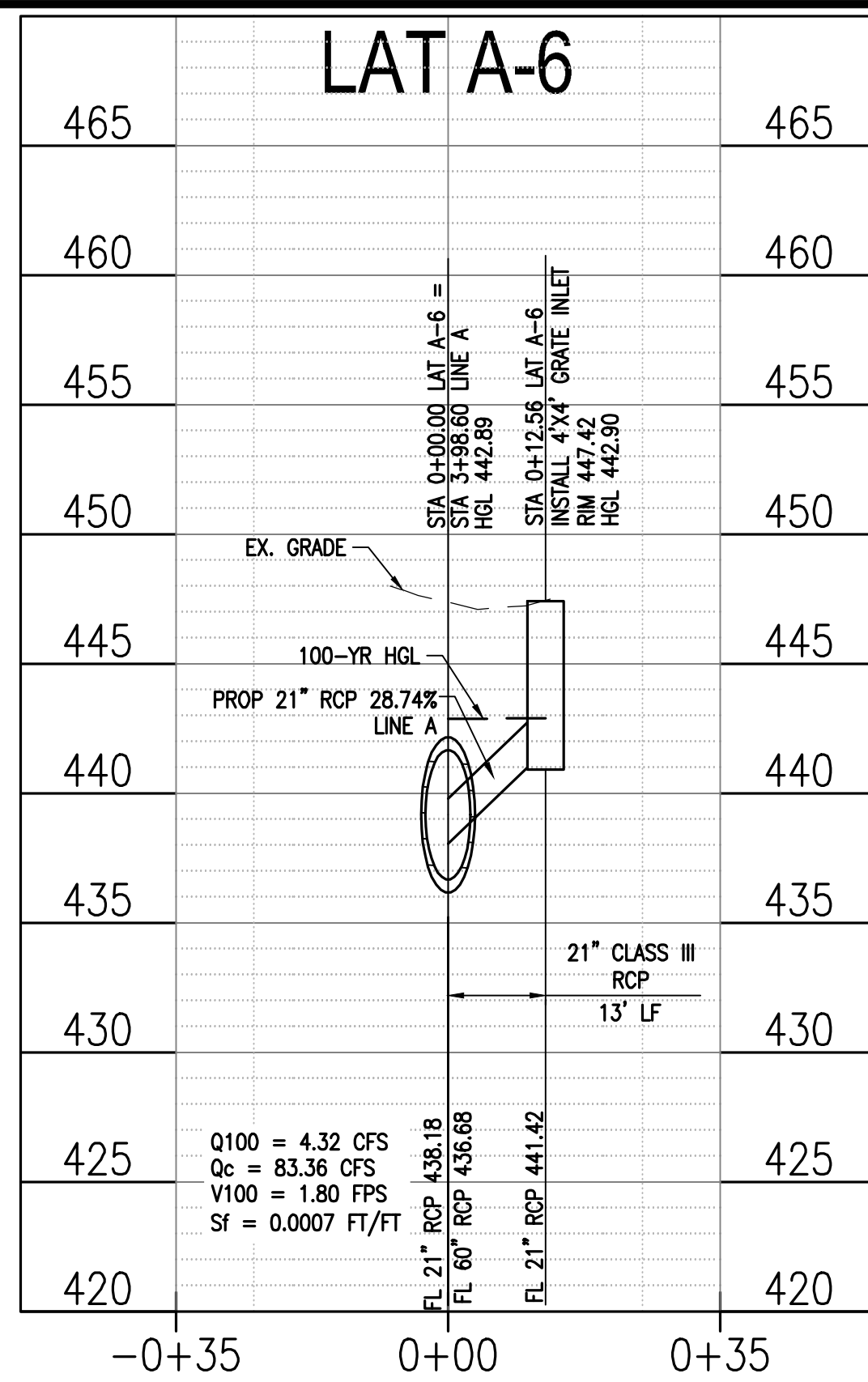
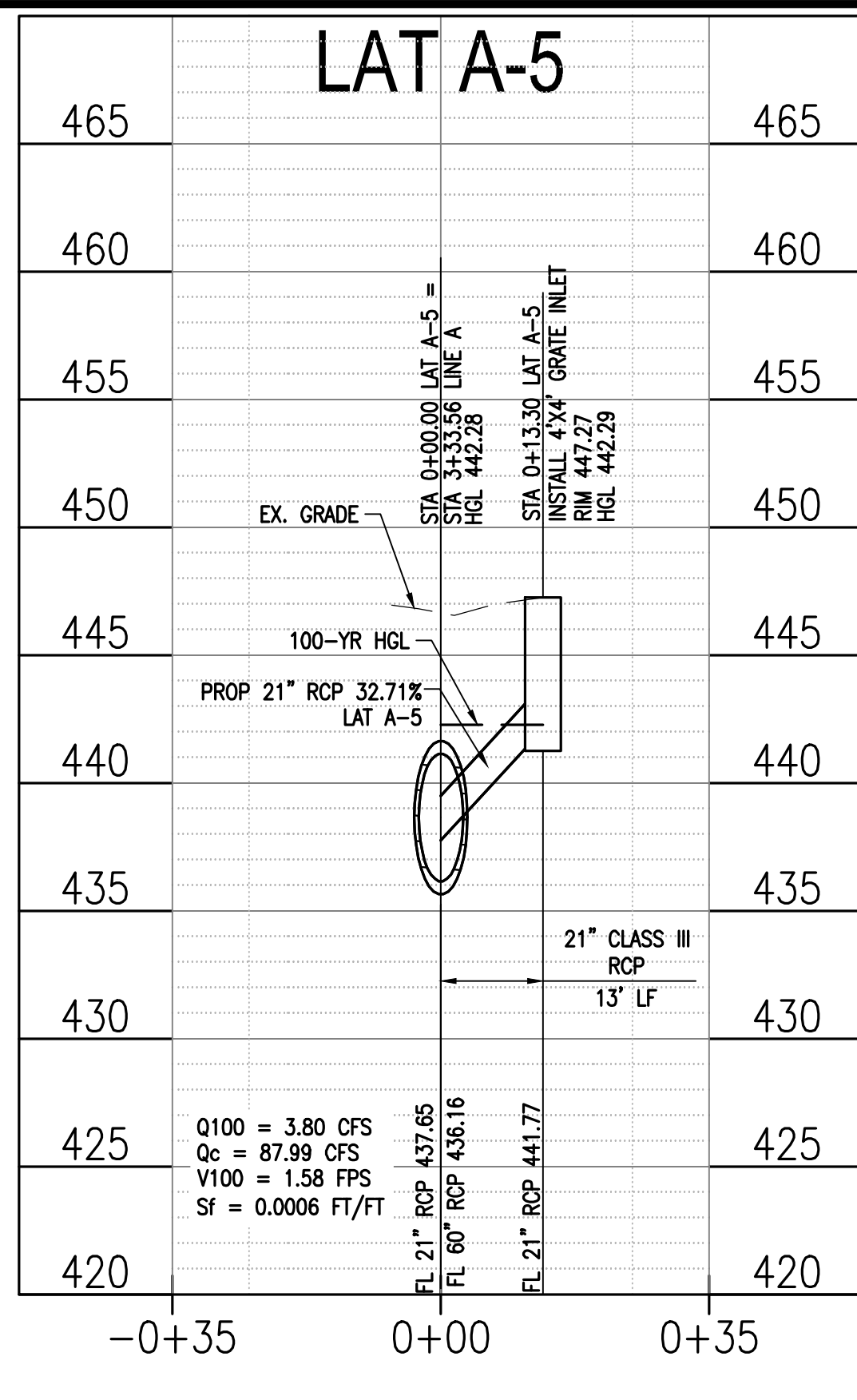
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JDD	VDA	FEBRUARY 2021	311T	XXXX	C09.08



Walter P. Moore and Associates, Inc.  
 TPPE Firm Registration No. 1856

**CONTRACT INFORMATION**  
 CONTRACT NO. \_\_\_\_\_ DATE \_\_\_\_\_  
 CONTRACTOR \_\_\_\_\_





**BENCHMARKS:**

BM# 795 A STANDARD WATER DEPARTMENT BENCH MARK SET ON CONCRETE CURB OF STORM SEWER DROP INLET ON THE SOUTHEAST CORNER OF THE INTERSECTION. ESTABLISHED GRID ELEVATION : 442.880 RECORDED GRID ELEVATION : 442.74

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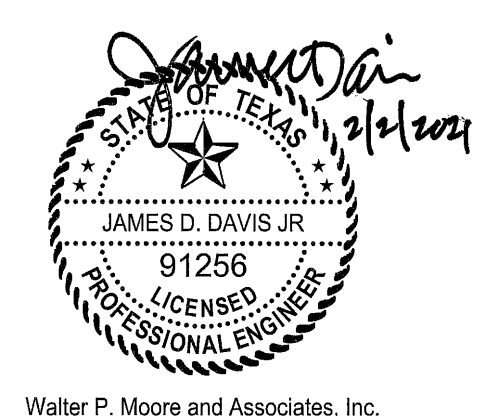
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**MARTINEZ MOORE ENGINEERS**  
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 AUSTIN, TX 78701  
 PHONE: 512-330-1278

PLAT NO. N/A	BLDG PERMIT NO. N/A	SD&C ENGINEERING TRACKING NOS. WW21-XXX	DP21-XXXX
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**STORM SEWER PROFILE**  
**UTSW BMES UTILITY RELOCATION**  
**2300 INWOOD DRIVE**  
**CRAWFORD GRIGSBY SURVEY**  
**ABSTRACT NO. 533**  
**SUSTAINABLE DEVELOPMENT & CONSTRUCTION**  
**CITY OF DALLAS, DALLAS COUNTY, TEXAS**

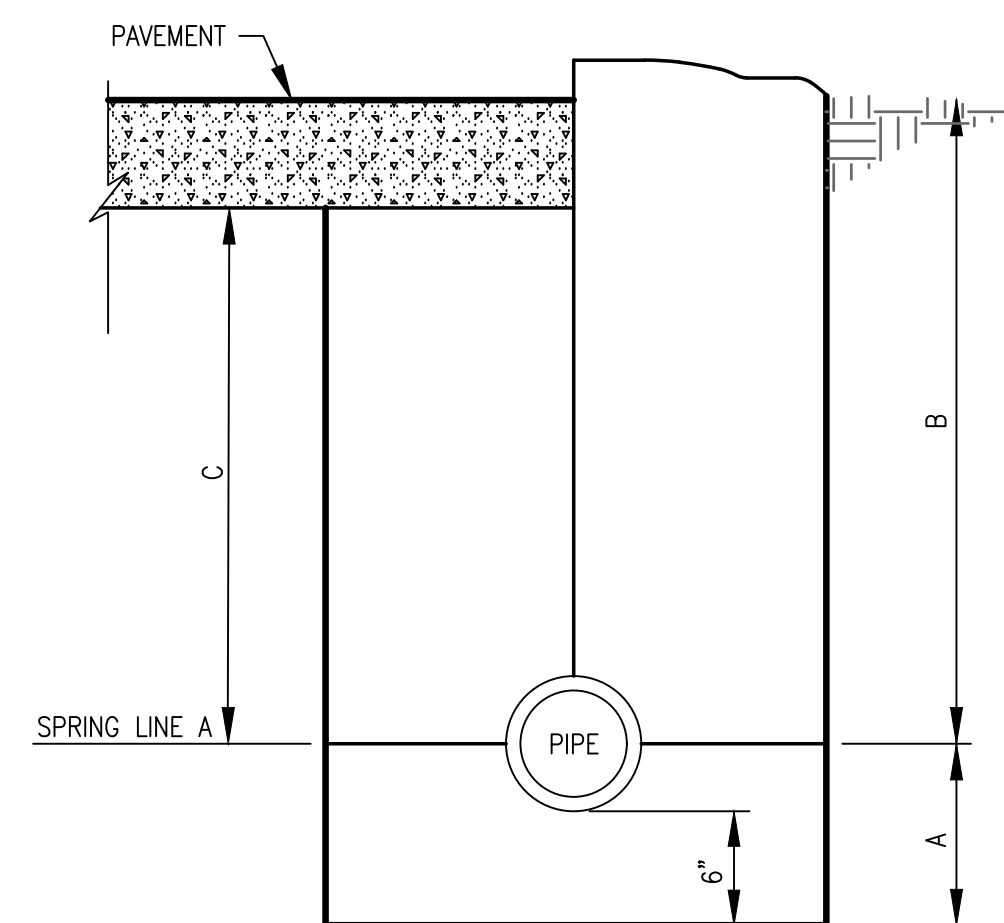
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
JDD	VDA	FEBRUARY 2021	311T	XXXX	C09.09



Walter P. Moore and Associates, Inc.  
 TBPE Firm Registration No. 1856

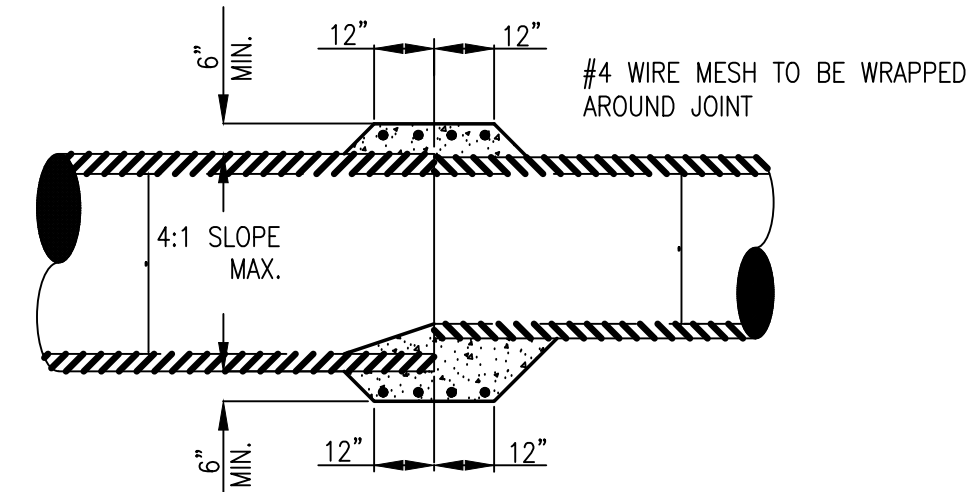
**CONTRACT INFORMATION**

CONTRACT NO. \_\_\_\_\_ DATE \_\_\_\_\_  
 CONTRACTOR \_\_\_\_\_

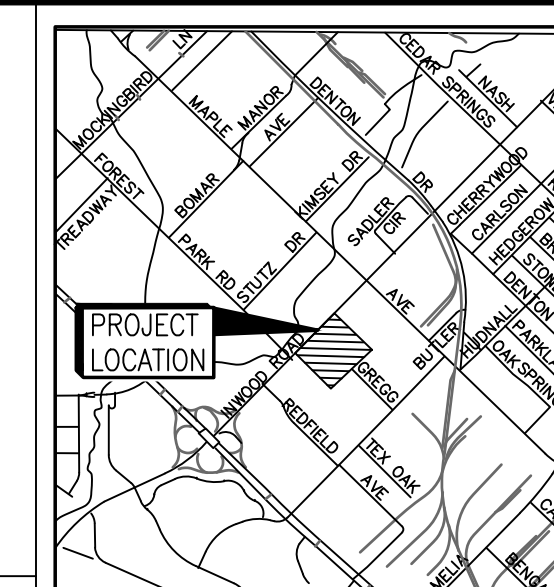


- A - 1" CRUSHED LIMESTONE
- B - EARTH BACKFILL COMPACTED IN 6" LIFTS TO A MINIMUM OF 90% STANDARD PROCTOR DENSITY PLACED SAME DAY PIPE IS LAID.
- C - 1 1/2" SACK OR FLOWABLE CEMENT STABILIZED SAND, THOROUGHLY RODDED, PLACED NEXT DAY ( OR LATER ), AFTER PIPE IS LAID.

**1 RCP BEDDING & BACKFILL**  
NOT TO SCALE



**2 CONCRETE COLLAR FOR PIPE CONNECTIONS**  
NOT TO SCALE



VICINITY MAP (N.T.S) MAPSCO 34-T

**BENCHMARKS:**

BM# 795 A STANDARD WATER DEPARTMENT BENCH MARK SET ON CONCRETE CURB OF STORM SEWER DROP INLET ON THE SOUTHEAST CORNER OF THE INTERSECTION. ESTABLISHED GRID ELEVATION : 442.880 RECORDED GRID ELEVATION : 442.74

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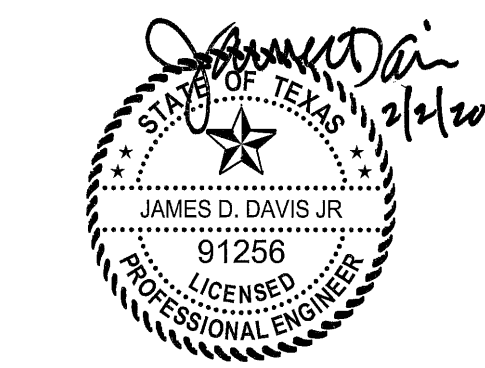
BM# 1 "X" CUT SET ON THE SOUTHEAST EDGE OF A CONCRETE SIDEWALK, ±115 FEET NORTH OF THE NORTHEAST BUILDING CORNER, ±130 FEET SOUTH OF THE CENTERLINE OF INWOOD ROAD AND ±33 FEET WEST OF A CONCRETE DRIVE ENTRANCE. N: 6985868.26, E: 2479190.00, ELEVATION : 445.274

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CALL BEFORE YOU DIG!  
TEXAS ONE CALL PARTICIPANTS REQUEST  
48 HOURS NOTICE BEFORE YOU DIG, DRILL,  
OR BLAST - STOP CALL

Texas One Call System  
CALL 811

**DETAILS APPLY TO CONSTRUCTION ON PRIVATE PROPERTY. FILE 201D-1**  
DETAILS APPLY WITHIN PUBLIC R.O.W.



**CONTRACT INFORMATION**

CONTRACT NO. \_\_\_\_\_ DATE \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

REV NO.		DATE	REVISIONS DESCRIPTION	BY
		02/24/2021	ISSUE FOR BID	

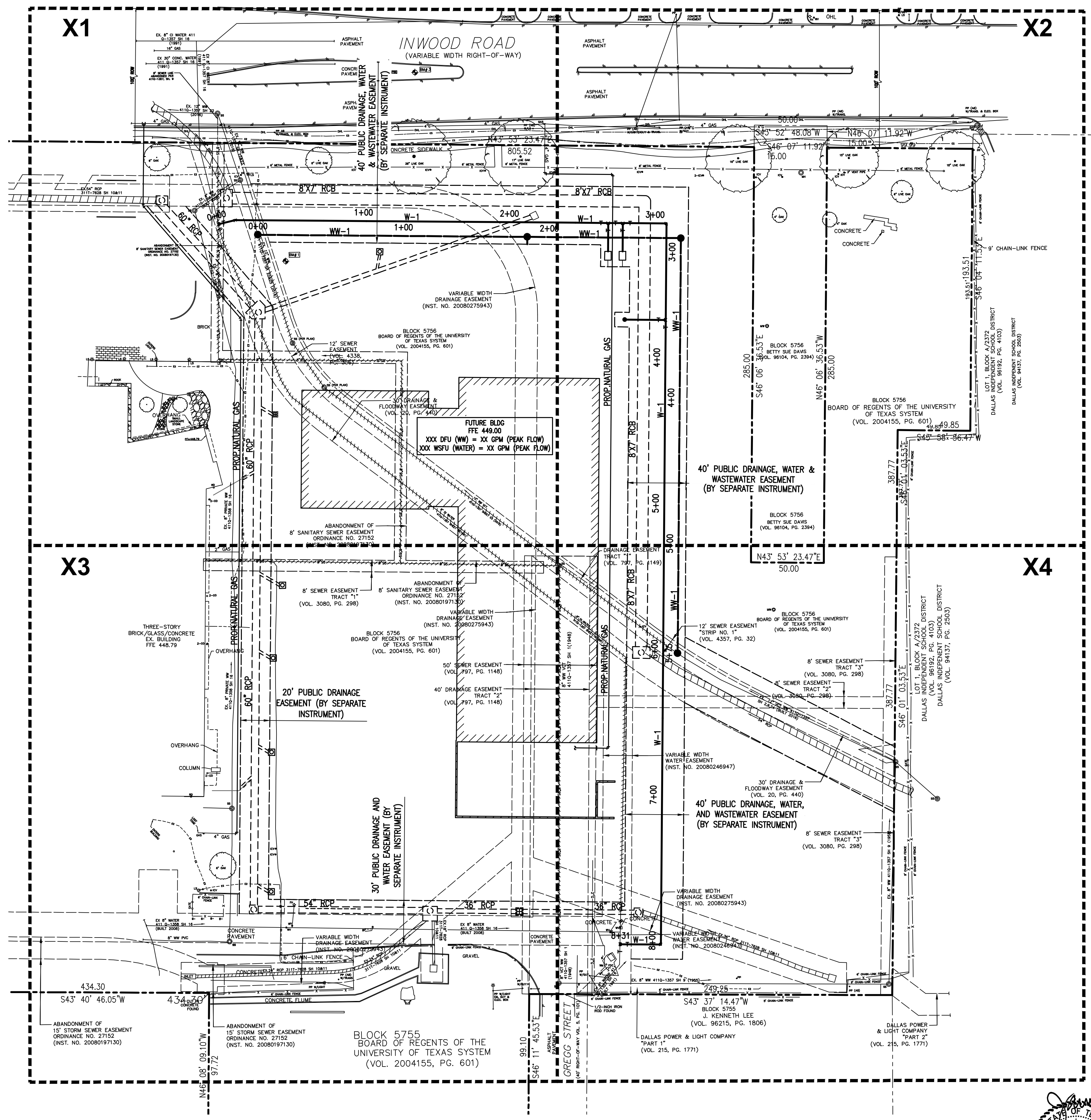
**MARTINEZ MOORE ENGINEERS, LLC**  
221 WEST 6TH ST., SUITE 800  
AUSTIN, TX 78701  
PHONE: 512-330-1278

PLAT NO. BLDG PERMIT NO. SD&C ENGINEERING TRACKING NOS.  
N/A N/A WW21-XXX DP21-XXXX

**STORM SEWER DETAILS**  
**UTSW BMES UTILITY RELOCATION**  
**2300 INWOOD DRIVE**  
**CRAWFORD GRIGSBY SURVEY**  
**ABSTRACT NO. 533**

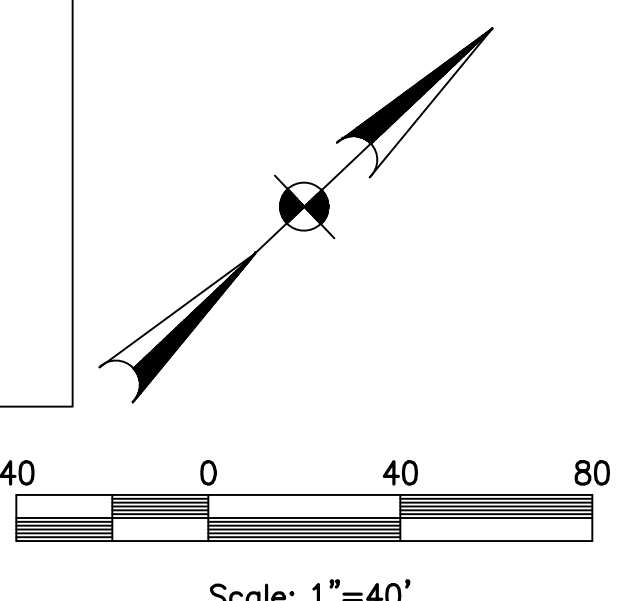
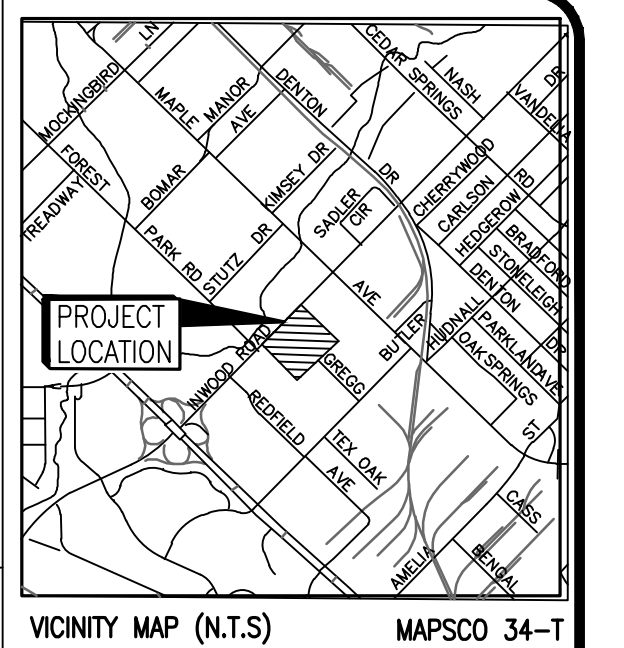
**SUSTAINABLE DEVELOPMENT & CONSTRUCTION**  
**CITY OF DALLAS, DALLAS COUNTY, TEXAS**

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
JDD	VDA	FEBRUARY 2021	311T	XXXX	C09.50



**GENERAL NOTES**

- PRIOR TO ANY FIELD CHANGES TO PROPOSED MATERIALS OR DESIGN, CONTRACTOR SHALL COORDINATE WITH DWU PIPELINE INSPECTION AND THE ENGINEER OF RECORD. FIELD CHANGES REQUIRE REVISED PLAN REVIEW AND APPROVAL BY THE CITY REVIEW ENGINEER AND IS TO BE COORDINATED THROUGH THE DWU PIPELINE INSPECTOR AND ENGINEER OF RECORD.
- ALL WATER MAINS SHALL BE AWWA C900 (DR-14) PVC OR CLASS 52 DUCTILE IRON (IN CENTRAL BUSINESS DISTRICT, AIRPORTS AND OTHER AREAS DESCRIBED IN THE DWU STANDARDS), WITH POLY WRAP AND FULL BODY FITTINGS.
- WATER AND WASTEWATER EASEMENTS SHALL ALSO INCLUDE ADDITIONAL AREA OF WORKING SPACE FOR CONSTRUCTION AND MAINTENANCE OF SYSTEM.
- ALL WATER DEADHEADS SHALL BE TYPE-K COPPER, INSTALLED PER DWU STANDARD DRAWINGS, AND WATER DEADHEADS REFERENCED AS FOLLOWS: N/A TOTAL; N/A WATER METER CANS AND METERS SHALL BE INSTALLED BY SEPARATE PERMIT, ALONG WITH THE CONNECTION TO PRIVATE PLUMBING.
- WATER METERS/SERVICES SHALL BE LOCATED:
  - NO LESS THAN 2 FT BEYOND PROPOSED CURB OR AS SHOWN,
  - NO CLOSER THAN 3 FT (FOR  $\leq 1"$ ) OR 4 FT (FOR  $> 1"$ ) IN SPACING BETWEEN METERS
  - WITHIN PUBLIC SIDEWALK WHERE PRESENT OR OTHER ALLOWED PROTECTED LOCATION
  - NOT BE INSTALLED IN DRIVEWAYS NOR ANY VEHICULAR PATHS.
- ALL WASTEWATER LATERALS SHALL BE PLACED WITHIN PAVED SIDEWALKS AND NOT WITHIN VEHICULAR PATHS, UNLESS OTHERWISE APPROVED BY DWU INSPECTOR. SIZED AND REFERENCED AS FOLLOWS: 1-8" LAT TOTAL; P=8" LAT. LATERAL CLEANOUT SHALL BE INSTALLED BY PERMIT ALONG WITH THE CONNECTION TO PRIVATE PLUMBING.
- ALL 8" THROUGH 15" PVC WASTEWATER MAINS SHALL BE ASTM 3034 (SDR-35), UNLESS NOTED OTHERWISE. ALL WASTEWATER LATERALS SHALL BE ASTM 3034 (SDR-35), UNLESS NOTED OTHERWISE. THE MAXIMUM TRENCH WIDTH IS 32" FOR ALL PIPES DIAMETERS EQUAL TO OR SMALLER THAN 12".
- SIDEWALK SHALL MATCH EXISTING WIDTH AND LOCATION.
- THE CERTIFICATE OF ACCEPTANCE (COA) WILL NOT BE ISSUED UNTIL ALL OF THE FOLLOWING ITEMS HAVE BEEN COMPLETED:
  - ALL WATER AND WASTEWATER APPURTENANCES HAVE BEEN ADJUSTED TO THEIR FINAL POSITION AND A FINAL INSPECTION FOR THE P-CONTRACT HAS BEEN SUCCESSFULLY COMPLETED AND;
  - THE FINAL PLAT HAS BEEN FILED WITH THE COUNTY (IF APPLICABLE) AND MATCHES THE DESIGN PLANS AND;
  - ALL FEES OWED TO THE CITY HAVE BEEN PAID AND;
  - A PAY AFFIDAVIT SENT TO PRIVATE DEVELOPMENT STATING THAT THE CONTRACTOR HAS BEEN PAID IN FULL.
- FIRE HYDRANTS SHALL BE CONSTRUCTED PER DWU STANDARDS DRAWINGS MANUAL PG. 224. HYDRANTS SHALL BE A MINIMUM OF 2.5' AND A MAXIMUM OF 7.5' FROM THE BACK OF CURB WITH 36" OF CLEARANCE FROM ALL OBSTRUCTIONS. ALL FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH DWU STANDARDS PRIOR TO THE MAIN BEING PLACED IN SERVICE AND THE HYDRANTS PAINTED BY DWU. ANY DELAYS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR IF THE HYDRANT HAS NOT BEEN INSTALLED PER DWU STANDARDS. IT IS RECOMMENDED THAT EXISTING CURBS, SIDEWALKS, FINAL GROUND ELEVATIONS, AND OTHER FEATURES BE STAKED BY THE CONTRACTOR AS NEEDED TO ENSURE COMPLIANCE WITH DWU STANDARDS AND AVOID ADDITIONAL ADJUSTMENTS OR RELOCATIONS THAT MAY DELAY APPROVALS.
- EMBEDMENT FOR WATER MAINS SHALL BE PER THE CURRENT DWU STANDARD DRAWINGS MANUAL.
- WATER MAINS SIZED 12" AND UNDER SHALL BE A MINIMUM OF 4'-FT UNDER IMPROVED SURFACES AND 6'-FT UNDER UNIMPROVED SURFACES.
- STREET AND ALLEY CUTS WILL FOLLOW THE LATEST EDITION OF CITY OF DALLAS DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION "PAVEMENT CUT AND REPAIR STANDARDS MANUAL". ALL WATER AND WASTEWATER SERVICE CUTS IN PAVEMENT SHALL HAVE THE DITCH LINE FILLED TO PAVEMENT BASE LINE WITH LOW STRENGTH FAST FIX FLOWABLE FILL.
- CONSTRUCTION SPECIFICATIONS AND APPURTENANCES WILL BE COVERED BY THE CURRENT EDITIONS (AS OF THE TIME OF CONSTRUCTION COMMENCEMENT) OF THE FOLLOWING MANUALS: DALLAS WATER UTILITIES "STANDARD DRAWINGS FOR WATER AND WASTEWATER CONSTRUCTION", "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION STANDARDS", THE "CITY OF DALLAS ADDENDUM TO THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS PUBLIC WORKS CONSTRUCTION STANDARDS".
- CONTRACTOR WILL REMOVE EXISTING WATER METERS NOT USED FOR PROPOSED DEVELOPMENT. REMOVE METERS AND METER LIDS IN A WAY AS TO NOT DAMAGE THE METER NOR LID AND DELIVER SALVAGED METERS TO 2861 MUNICIPAL STREET. CONTACT ALEX LAND (214-670-8213) 48-HOURS PRIOR TO METER DELIVERY. CONTRACTOR SHALL KILL EXISTING DEADHEAD SERVICE FOR REMOVED METERS AT THE MAIN LINE.
- PRIOR TO THE START OF INSTALLATION WORK, APPROVED RIGHT OF WAY PERMIT, APPROVED TRAFFIC CONTROL PLAN, AND CUT-SHEETS FOR WATER AND WASTEWATER INSTALLATION SHOULD BE SUBMITTED TO DWU PIPELINE INSPECTION.
- THE CITY OF DALLAS DEPARTMENT OF PUBLIC WORKS WILL APPROVE AND/OR DETERMINE THE TRAFFIC CONTROL PLAN AND WORKING HOURS. CONTACT BETH ADAMS AT 214-670-5896 (NORTH OF I-30), GARY HUGHES AT 214-670-5662 (CBD AND SOUTH OF I-30), OR CALL (214) 948-4290.
- CONTRACTOR MAY ONLY LAY PIPE WHEN TEMPERATURE IS 36 DEGREES F AND RISING. ANY SPECIAL METHODOLOGY OR PROCEDURES FOR LAYING PIPE AT LESS THAN 36 DEGREES REQUIRES THE APPROVAL OF DWU PIPELINE INSPECTION SUPERINTENDENT.
- LOW-STRENGTH FLOWABLE FILL SHALL BE USED AS BACKFILL MATERIAL AROUND NEW MANHOLES LOCATED WITHIN EXISTING OR NEW PAVEMENT.
- ALL NEW MANHOLES OR EXISTING MANHOLES AFFECTED BY CONSTRUCTION OF THIS CONTRACT SHALL HAVE THE INTERIOR COATED WITH RAVEN 405 OR APPROVED EQUAL. COATING MUST BE APPLIED BY CERTIFIED APPLICATOR. SPRAY, BRUSH, OR ROLLER APPLICATION TO A MINIMUM OF 200 MIL THICKNESS.
- CONTRACTOR SHALL REPLACE ALL LEAD-COVERED WATER PIPE FITTINGS ENCOUNTERED WITH NEW DWU APPROVED FITTINGS/APPURTENANCES.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL REQUIRED FITTINGS/COUPLINGS IN A TIMELY MANNER. ANY DELAY DUE TO SHUT DOWN AND CONNECTION ISSUES DURING WATER MAIN TIE-IN ARE CONSIDERED INCIDENTAL WORK AND SHALL BE BORNE BY THE CONTRACTOR. ANY SPECIALIZED FITTING/COUPLINGS SHALL BE INSTALLED BY QUALIFIED PERSONNEL WITH THAT SPECIFIC SKILL.
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- WATER VALVES SHOULD BE ACCESSIBLE AND READY FOR PERMANENT ACCESSIBILITY BEFORE WATER MAIN CAN BE PLACED IN SERVICE AND TIE-INS COMPLETED. VALVES SHOULD BE PROPERLY BACKFILLED AND PLACED TO GRADE AND NOT COVERED BY PLATES, BACKFILL, OR OTHER CONSTRUCTION MATERIALS. PVC VALVE STACKS ARE NOT ALLOWED.
- SAWCUT LINES ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. CUT AND REPLACEMENT LIMITS MUST COMPLY WITH PAVEMENT CUT AND REPAIR MANUAL.
- CONTRACTOR SHALL UNCOVER EXISTING WATER MAIN AND CONTACT DWU PIPELINE INSPECTOR PRIOR TO CONNECTION. CONTRACTOR MAY BE REQUIRED TO PROVIDE CUT-IN TEE & VALVE AND POSSIBLY UP TO 2 PIPE JOINTS IF EXISTING PIPE CONDITION IS CONSIDERED POOR.



WATER MAP 31-21W  
WW MAP 31-21S

**BENCHMARKS:**

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RECORDED GRID ELEVATION: 442.74

BM# 802: A SQUARE IS CUT ON CENTER OF CONCRETE CURB ON INLET NORTH SIDE OF IRVING BOULEVARD IN FRONT OF BUILDING #2780 IRVING BOULEVARD. ESTABLISHED GRID ELEVATION: 403.78  
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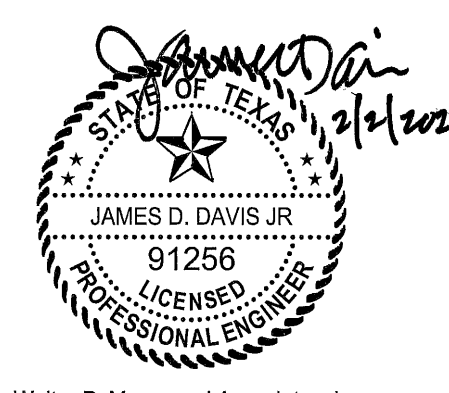
CALL 3-1-1 FOR DWU PUBLIC LINE LOCATES

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TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL

Texas One Call System  
CALL 811

**DRAINAGE AND WATER EASEMENT**  
UTSW BIOMEDICAL ENGINEERING & SCIENCES  
SIZE:  
2300 INWOOD DRIVE  
LOT X, BLOCK XXXX  
INSTRUMENT #:  
DATE OF RECORDING:

**DRAINAGE, WATER AND WASTEWATER EASEMENT**  
UTSW BIOMEDICAL ENGINEERING & SCIENCES  
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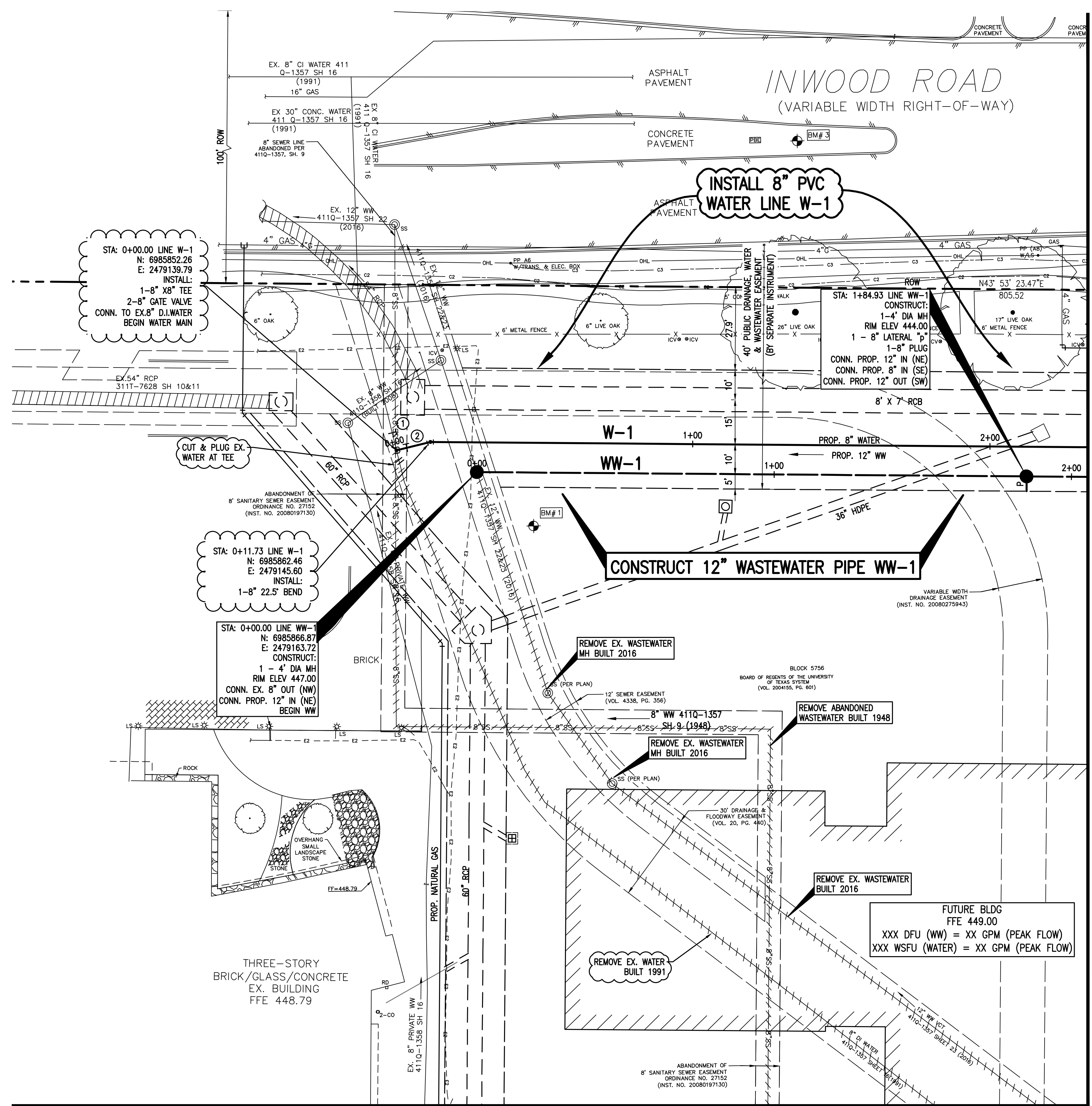


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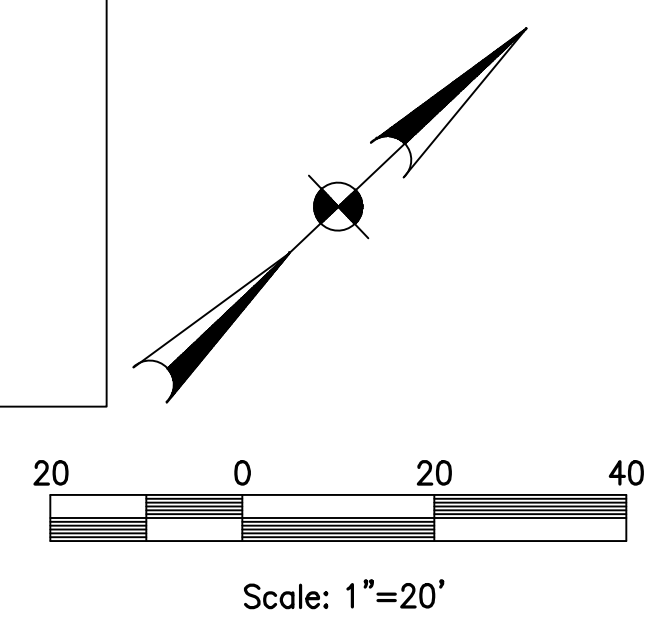
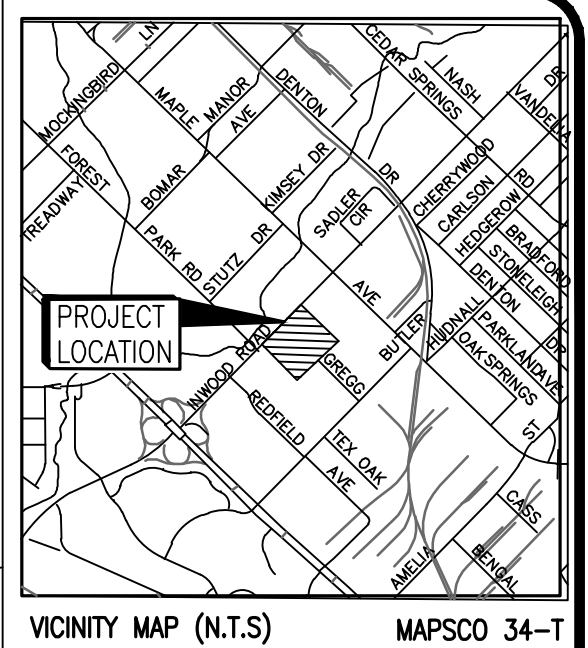
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PLAT NO.		BLDG PERMIT NO.	SD&C ENGINEERING TRACKING NOS.	
N/A		N/A	WW20-XXX N/A	
<b>WATER &amp; WASTEWATER OVERALL PLAN</b> <b>UTSW BIOMEDICAL ENGINEERING &amp; SCIENCES</b> 2300 INWOOD DRIVE CRAWFORD GRIGSBY SURVEY ABSTRACT NO. 533 DALLAS WATER UTILITIES CITY OF DALLAS, DALLAS COUNTY, TEXAS				
DESIGN	DRAWN	DATE	FILE	SHEET
JDD	VDA	FEBRUARY 2021	411Q XXXX	XXX

Walter P. Moore and Associates, Inc.  
TBP Firm Registration No. 1866



**LEGEND**

	EXISTING	PROPOSED
Curb	—	—
Edge of Pavement	—	—
R.O.W.	—	—
Easement	—	—
Storm Sewer/MH	—	—
Curb Inlet/Grate Inlet	—	—
Sanitary Sewer/MH/Cleanout	—	—
Water Line/Fire Hydrant/Valve	—	—
Gas	—	—
Electric	—	—
Communication	—	—
Fence	—	—
Benchmark	—	—



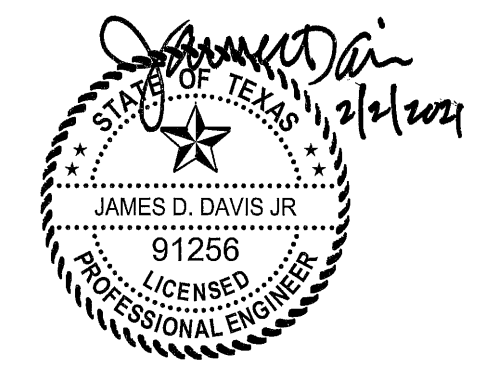
WATER MAP 31-21W  
 WW MAP 31-21S

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 TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL  
 Texas One Call System  
 CALL 811



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 221 WEST 6TH ST., SUITE 800  
 AUSTIN, TX 78701  
 PHONE: 512-330-1278

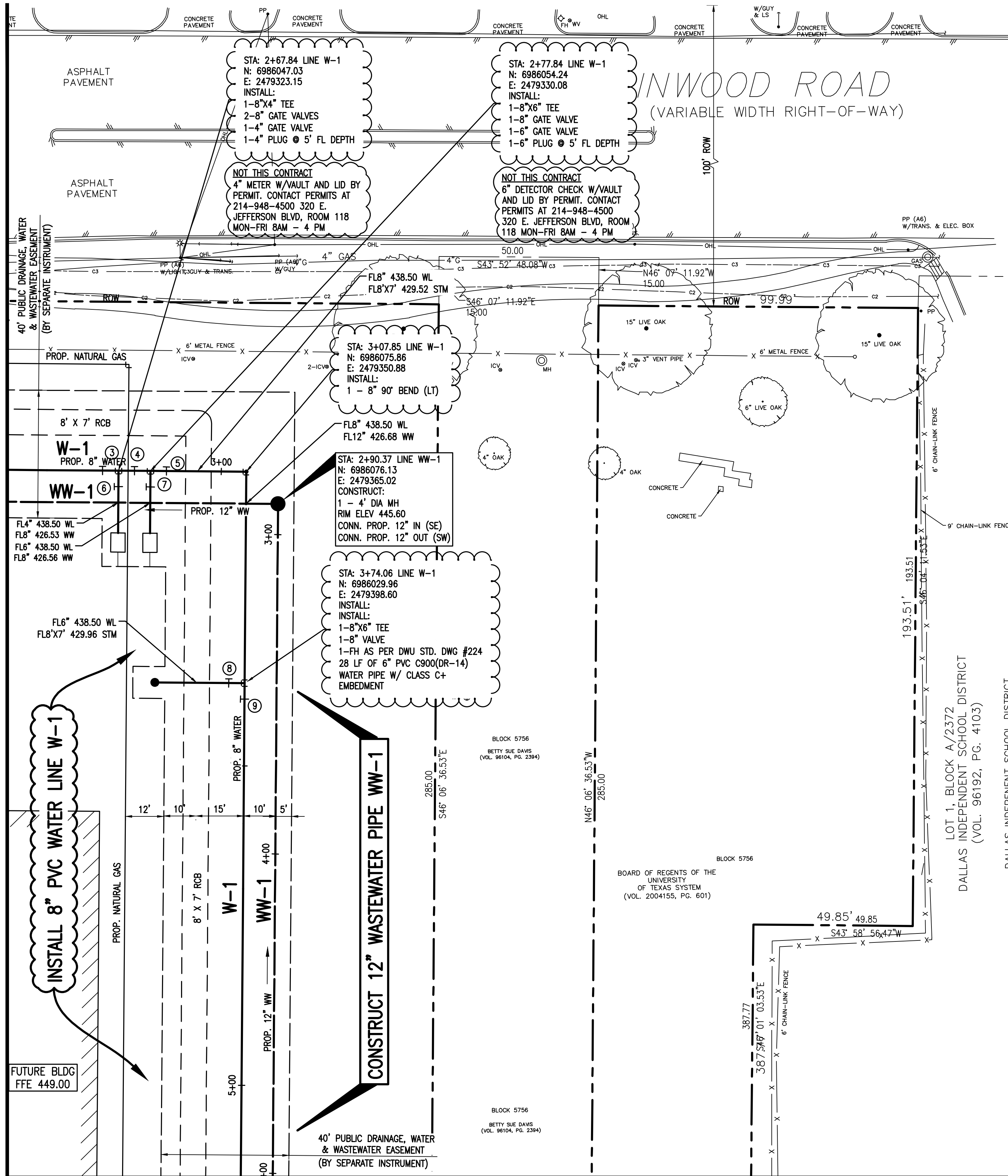
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N/A	N/A	WW20-XXX N/A

**WATER & WASTEWATER PLAN**  
**UTSW BIOMEDICAL ENGINEERING & SCIENCES**  
 2300 INWOOD DRIVE  
 CRAWFORD GRIGSBY SURVEY  
 ABSTRACT NO. 533  
 DALLAS WATER UTILITIES  
 CITY OF DALLAS, DALLAS COUNTY, TEXAS

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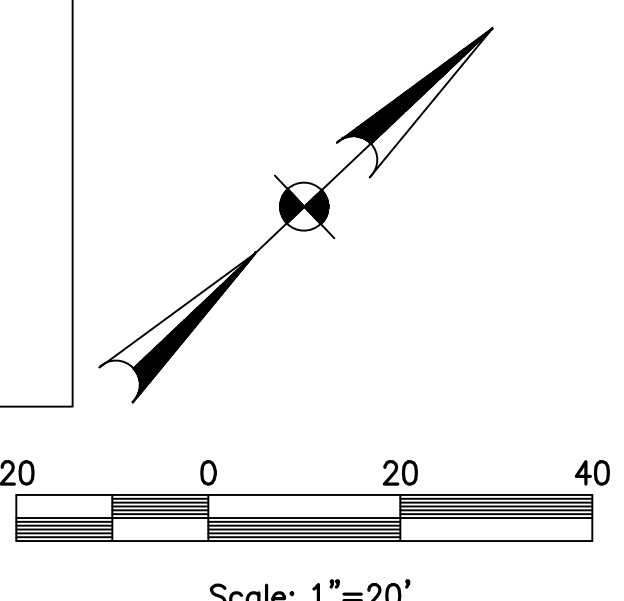
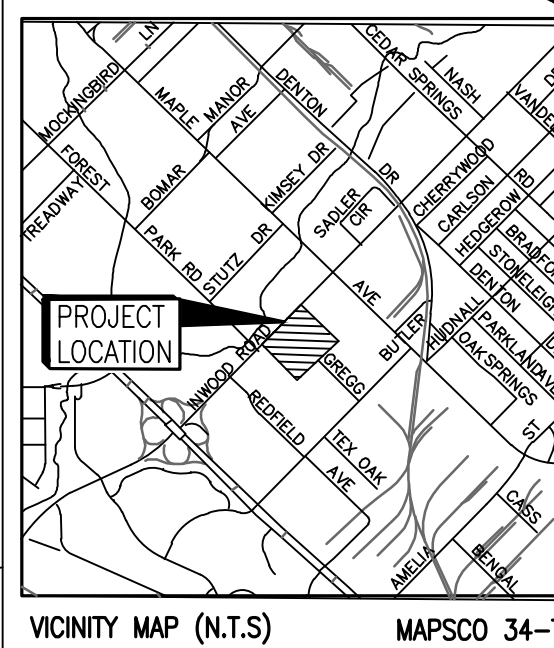
MATCHLINE X3

MATCHLINE X2  
 MATCHLINE WW-1 STA 2+05  
 MATCHLINE W-1 STA 2+33



**LEGEND**

	EXISTING	PROPOSED
Curb	---	---
Edge of Pavement	---	---
R.O.W.	---	---
Easement	---	---
Storm Sewer/MH	---	---
Curb Inlet/Grate Inlet	---	---
Sanitary Sewer/MH/Cleanout	---	---
Water Line/Fire Hydrant/Valve	---	---
Gas	---	---
Electric	---	---
Communication	---	---
Fence	---	---
Benchmark	---	---



WATER MAP 31-21W  
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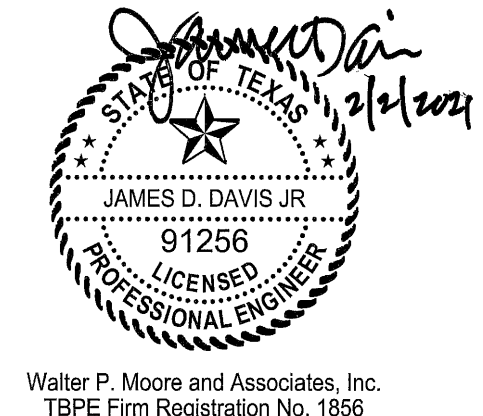
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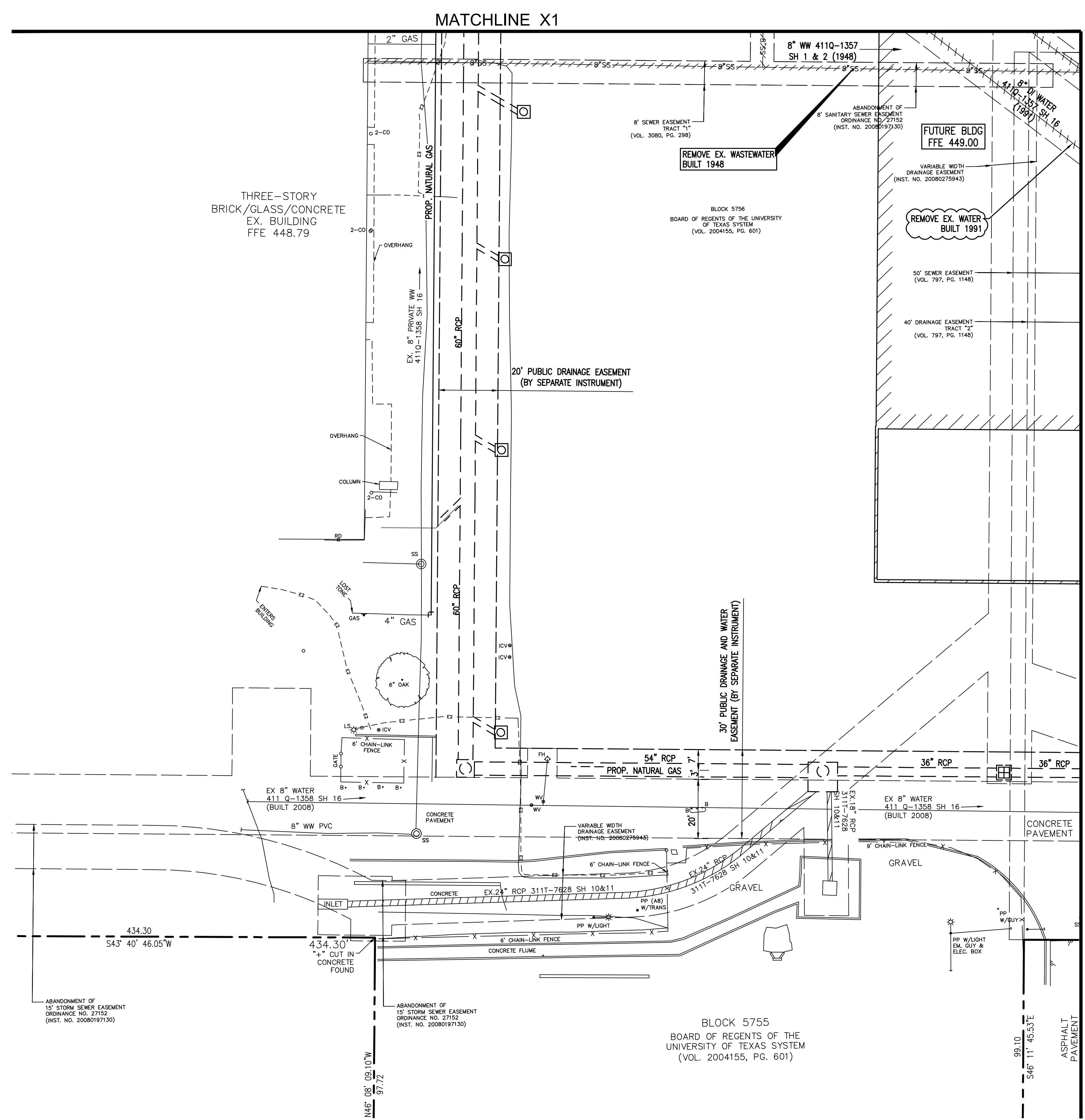
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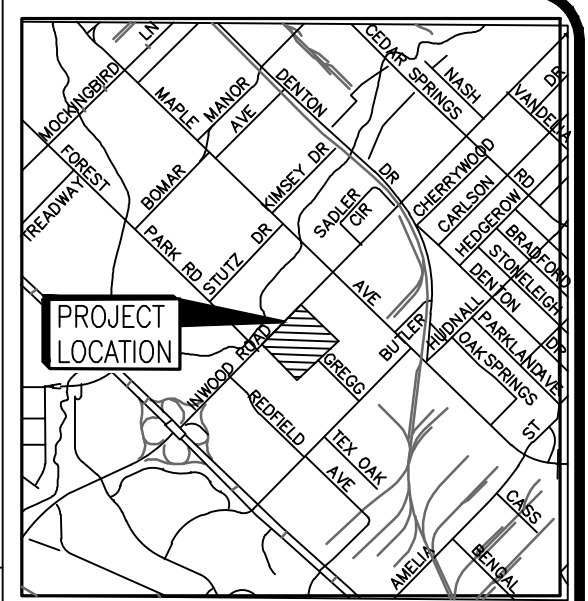
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 MATCHLINE W-1 STA 2+33

MATCHLINE X4  
 MATCHLINE WW-1 STA 5+01  
 MATCHLINE W-1 STA 5+28

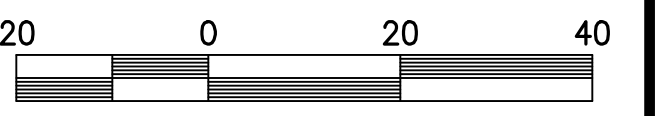
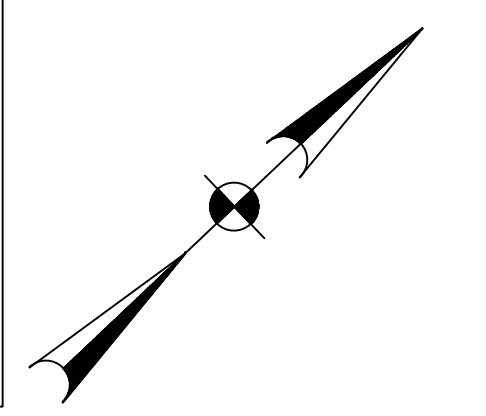


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Communication	---	---
Fence	---	---
Benchmark	---	---



VICINITY MAP (N.T.S.) MAPSCO 34-T



Scale: 1"=20'

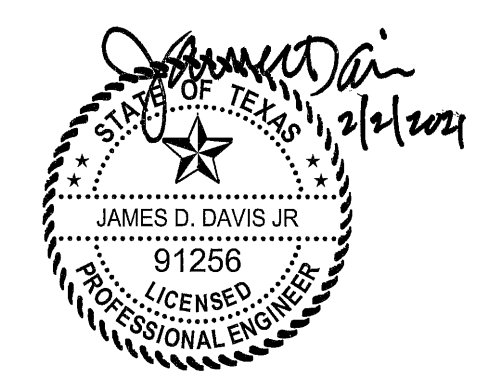


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CALL 3-1-1 FOR DWJ PUBLIC LINE LOCATES

CALL BEFORE YOU DIG!  
 TEXAS ONE CALL PARTICIPANTS REQUEST 48 HOURS NOTICE BEFORE YOU DIG, DRILL, OR BLAST - STOP CALL  
 Texas One Call System  
 CALL 811



Walter P. Moore and Associates, Inc.  
 TBPE Firm Registration No. 1866

NOTICE!!  
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**CONTRACT INFORMATION**

CONTRACT NO.	DATE
CONTRACTOR	

REV. NO.		DATE	REVISIONS DESCRIPTION	BY
		02/24/2021	ISSUE FOR BID	

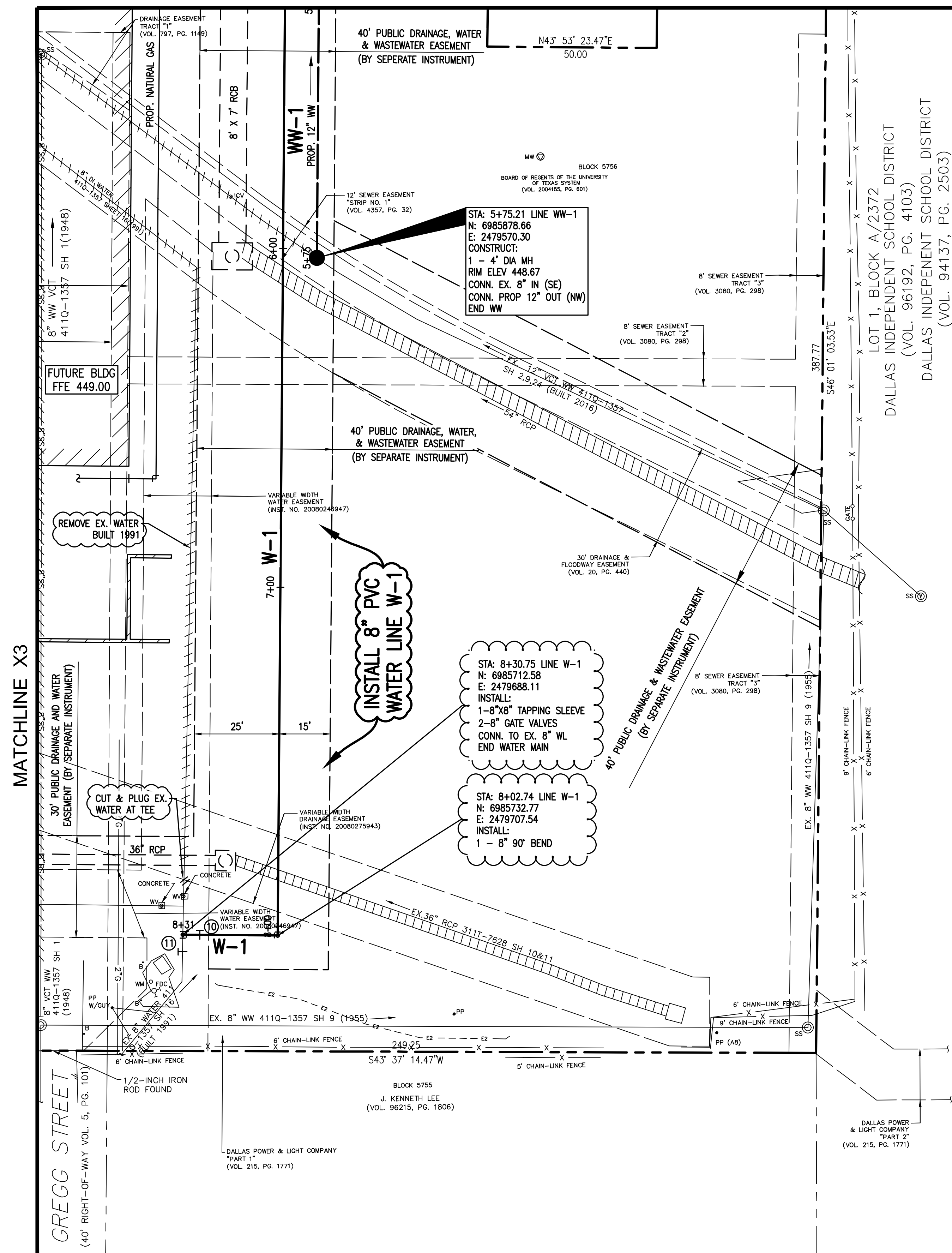
**MARTINEZ MOORE ENGINEERS**  
 MARTINEZ MOORE ENGINEERS, LLC  
 221 WEST 6TH ST., SUITE 800  
 AUSTIN, TX 78701  
 PHONE: 512-330-1278

PLAT NO.	BLDG PERMIT NO.	SD&C ENGINEERING TRACKING NOS.
N/A	N/A	WW20-XXX N/A

**WATER & WASTEWATER PLAN**  
**UTSW BIOMEDICAL ENGINEERING & SCIENCES**  
 2300 INWOOD DRIVE  
 CRAWFORD GRIGSBY SURVEY  
 ABSTRACT NO. 533  
 DALLAS WATER UTILITIES  
 CITY OF DALLAS, DALLAS COUNTY, TEXAS

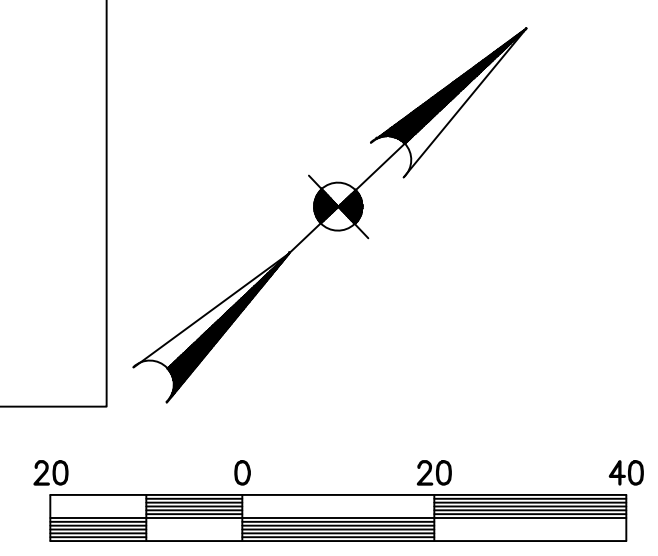
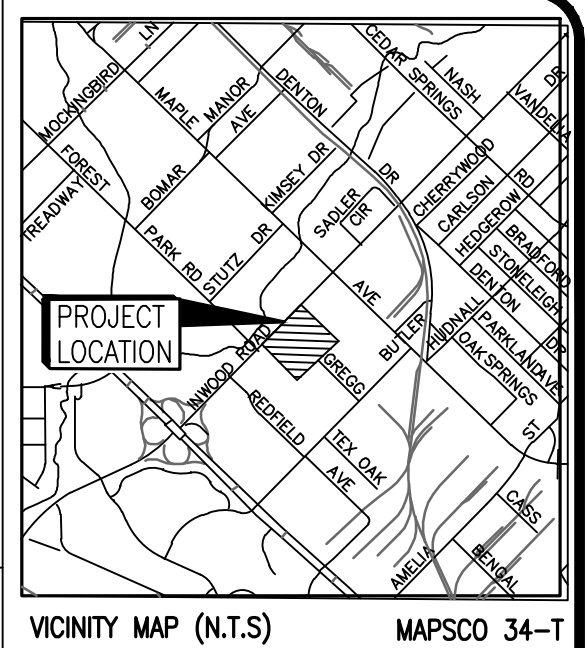
DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
JDD	VDA	FEBRUARY 2021	411Q	XXXX	XXX

MATCHLINE X2  
MATCHLINE WW-1 STA 5+01  
MATCHLINE W-1 STA 5+28



**LEGEND**

	EXISTING	PROPOSED
Curb	---	---
Edge of Pavement	---	---
R.O.W.	---	---
Easement	---	---
Storm Sewer/MH	---	---
Curb Inlet/Grate Inlet	---	---
Sanitary Sewer/MH/Cleanout	---	---
Water Line/Fire Hydrant/Valve	---	---
Gas	---	---
Electric	---	---
Communication	---	---
Fence	---	---
Benchmark	---	---



Scale: 1"=20'

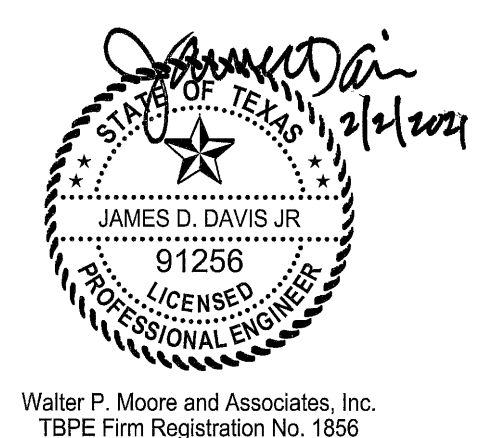
WATER MAP 31-21W  
WW MAP 31-21S

**BENCHMARKS:**

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Walter P. Moore and Associates, Inc.  
TBPE Firm Registration No. 1856

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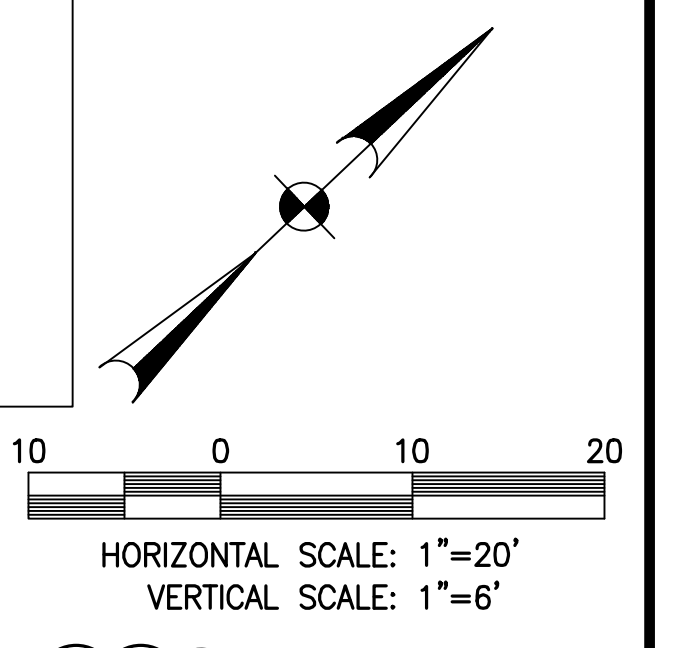
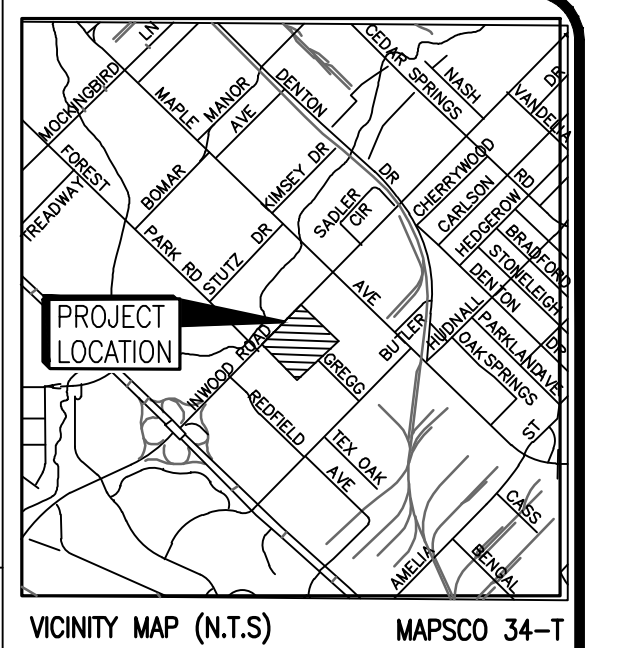
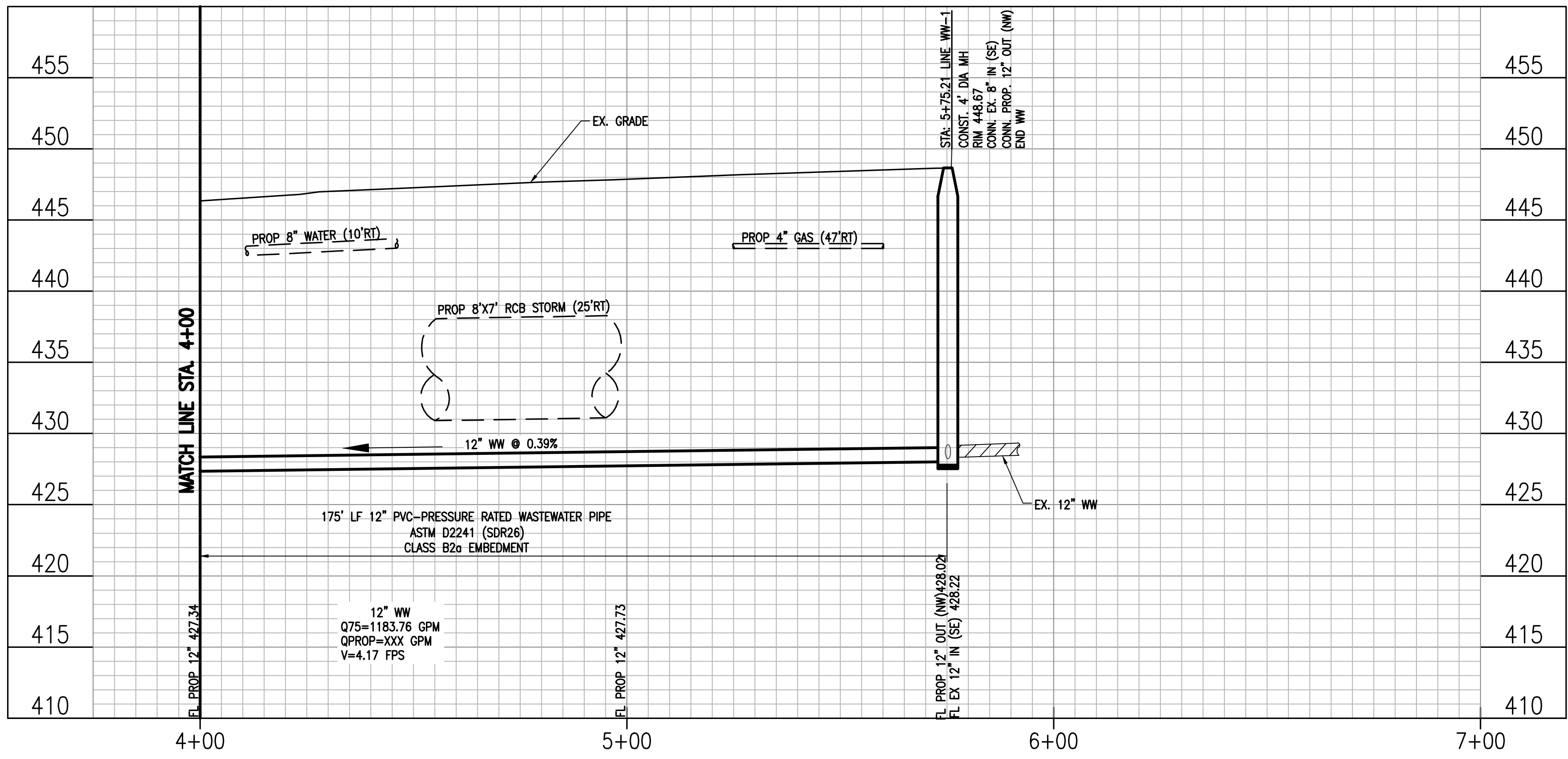
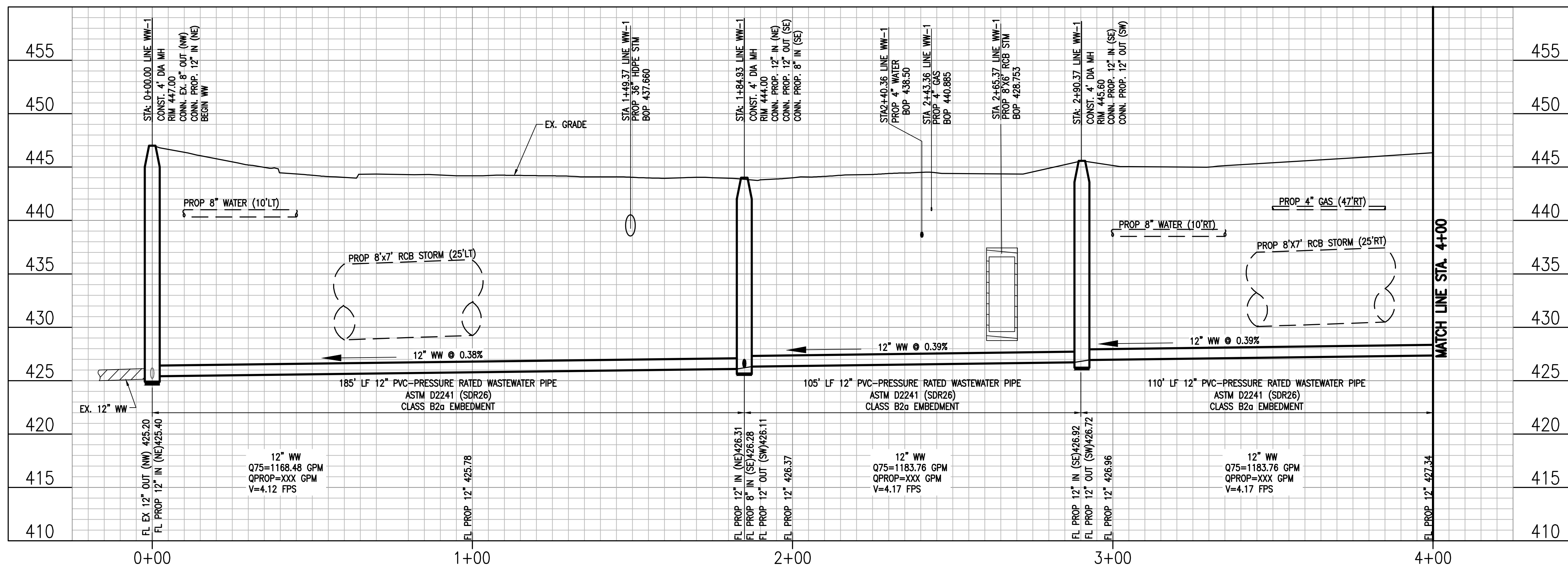
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**MARTINEZ MOORE ENGINEERS**  
MARTINEZ MOORE ENGINEERS, LLC  
221 WEST 6TH ST., SUITE 800  
AUSTIN, TX 78701  
PHONE: 512-330-1278

PLAT NO.	BLDG PERMIT NO.	SD&C ENGINEERING TRACKING NOS.
N/A	N/A	WW20-XXX N/A

**WATER & WASTEWATER PLAN**  
**UTSW BIOMEDICAL ENGINEERING & SCIENCES**  
2300 INWOOD DRIVE  
CRAWFORD GRIGSBY SURVEY  
ABSTRACT NO. 533  
DALLAS WATER UTILITIES  
CITY OF DALLAS, DALLAS COUNTY, TEXAS

DESIGN	DRAWN	DATE	FILE	NUMBER	SHEET
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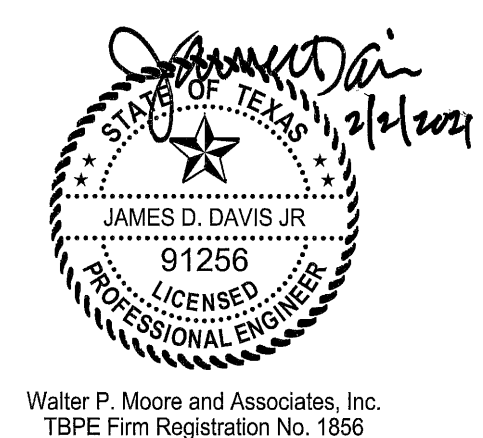


WATER MAP 31-21W  
 WW MAP 31-21S

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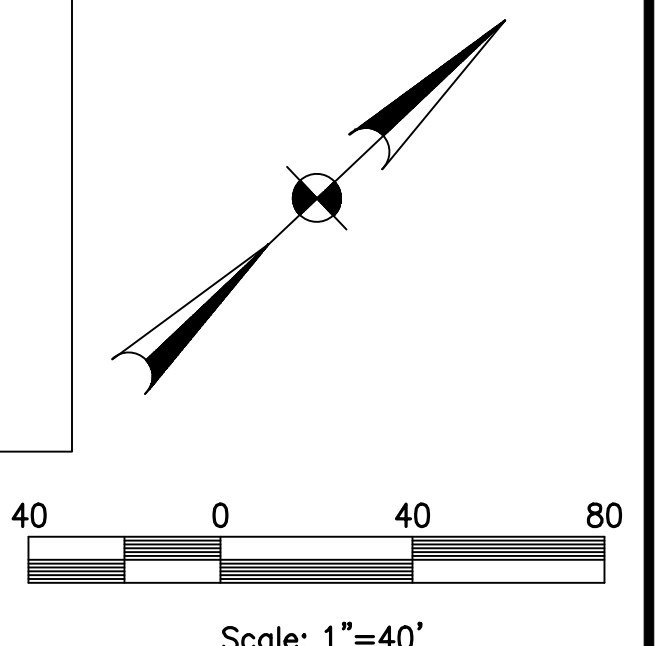
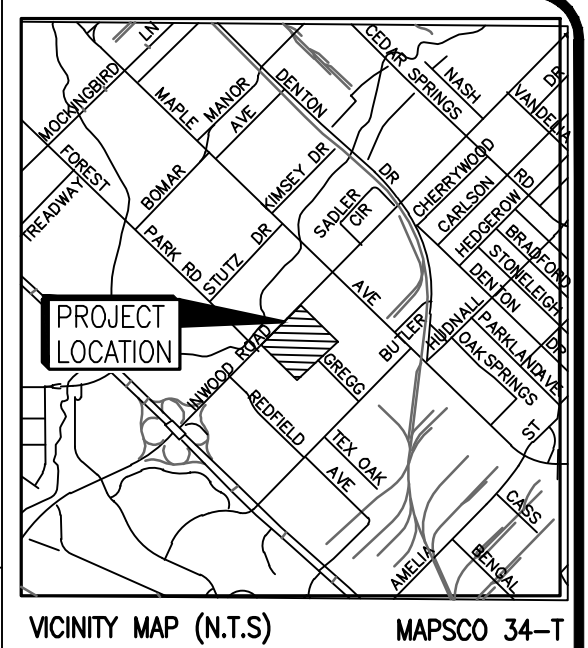
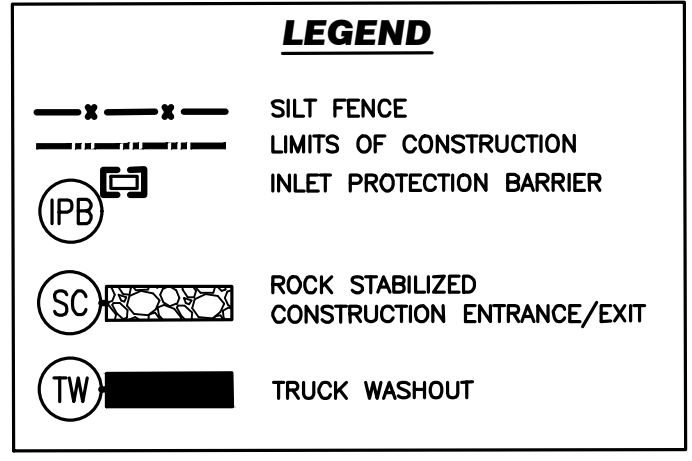
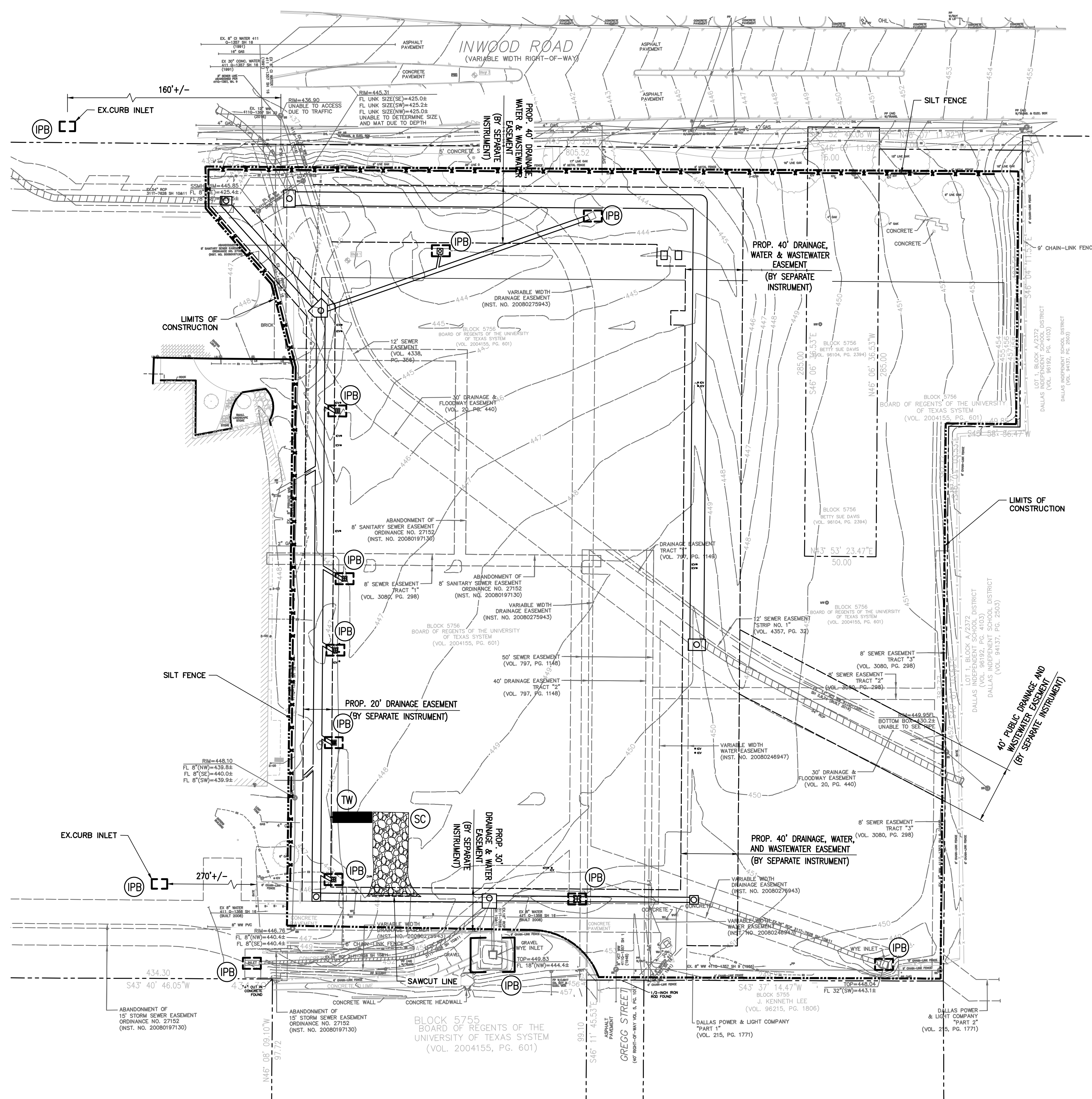
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PLAT NO.	BLDG PERMIT NO.	SD&C ENGINEERING TRACKING NOS.
N/A	N/A	WW20-XXX N/A

**WASTEWATER PROFILE**  
**UTSW BIOMEDICAL ENGINEERING & SCIENCES**  
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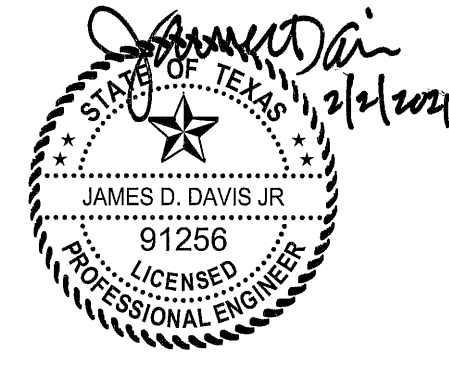
**EROSION CONTROL NOTES**

- BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION WAS OBTAINED FROM SURVEY BY PACHECO KOCH, LLC DATED NOVEMBER 2, 2020.
- CONTRACTOR TO FURNISH SWPPP PER TCEQ REQUIREMENTS. THE EROSION CONTROL PLAN AS CONTAINED IN THE DRAWING SET CAN BE USED IN THE STORM WATER POLLUTION PREVENTION PLAN.
- CONTRACTOR SHALL IMPLEMENT INLET PROTECTION DEVICES, REINFORCED FILTER FABRIC BARRIER, STABILIZED CONSTRUCTION ENTRANCES AND OTHER STORM WATER POLLUTION PREVENTION MEASURES AT LOCATIONS SHOWN ON THE PLAN(S) TO KEEP SILT AND/OR EXCAVATED MATERIALS FROM ENTERING THE STORM WATER INLETS AND DITCHES, EVENTUALLY POLLUTING THE RECEIVING STORM SYSTEM. NO HAY BALES WILL BE ALLOWED.
- DURING THE EXCAVATION/FILL PHASE OF THE PROJECT, CONTRACTOR SHALL SCHEDULE THE WORK IN APPROPRIATE SEGMENTS SO THAT EXCESS MATERIAL CAN BE QUICKLY HAULED AWAY PREVENTING IT FROM STAYING UNCOLLECTED ON THE EXISTING PAVEMENT. ANY LOOSE EXCAVATED MATERIAL WHICH FALLS ON PAVEMENT OR DRIVEWAYS SHALL BE REMOVED APPROPRIATELY.
- CONTRACTOR SHALL CLEAN UP THE EXISTING STREET INTERSECTIONS AND DRIVEWAYS DAILY AND ADDITIONALLY AS NECESSARY TO REMOVE EXCESS MUD, SOIL, SILT OR ROCK TRACKED FROM THE EXCAVATED AREA.
- CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES DURING THE CONSTRUCTION OF THE PROJECT, ALWAYS CLEANING UP DIRT AND LOOSE MATERIAL AS CONSTRUCTION PROGRESSES.
- CONTRACTOR TO INSPECT AND MAINTAIN THE AREAS LISTED BELOW AT LEAST ONCE EVERY FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER.
  - DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
  - AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION
  - STRUCTURAL CONTROL MEASURES.
  - LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EXISTING DITCHES AND/OR CULVERTS FOR UNOBSTRUCTED DRAINAGE AT ALL TIMES. WHERE SODDING IS DISTURBED BY EXCAVATION OR BACKFILLING OPERATIONS, SUCH AREAS SHALL BE REPLACED BY SEEDING OR SODDING. SLOPES STEEPER THAN 4:1 SHALL BE REPLACED BY BLOCK SODDING. SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH PLANT MATERIALS NOT REQUIRING MOWING FOR MAINTENANCE AND/OR GEOTEXTILE FABRICS AS REQUIRED IN THE PLANS AND SPECIFICATIONS.

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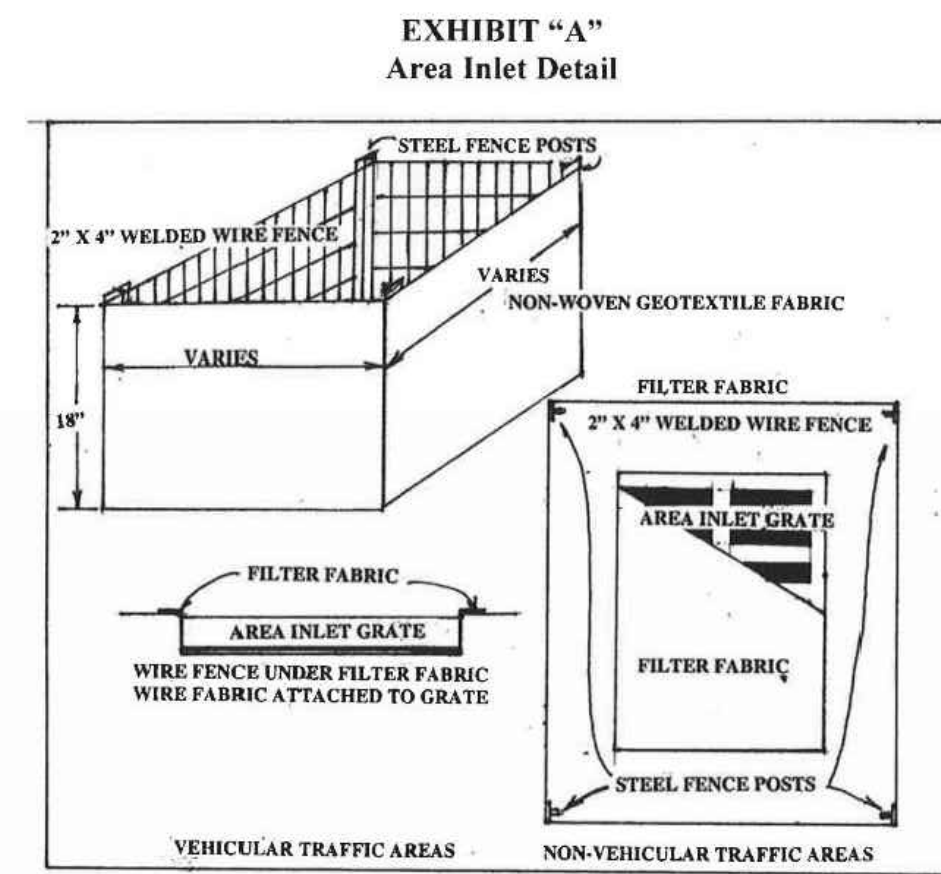


Walter P. Moore and Associates, Inc.  
TBPE Firm Registration No. 1856

**CONTRACT INFORMATION**

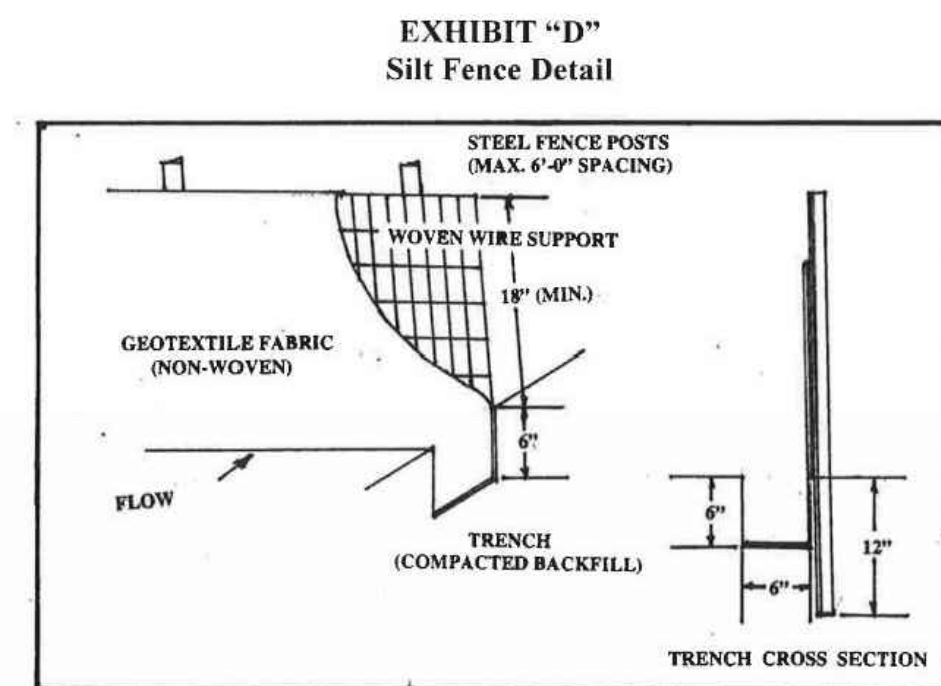
CONTRACT NO.	DATE
CONTRACTOR	

REV NO.		DATE		REVISIONS		BY
REV NO.	DATE	DESCRIPTION				BY
	02/24/2021	ISSUE FOR BID				
<b>M MARTINEZ MOORE</b>		MARTINEZ MOORE ENGINEERS, LLC 221 WEST 6TH ST., SUITE 800 AUSTIN, TX 78701 PHONE: 512-330-1278				
PLAT NO.	BLDG PERMIT NO.	SD&C ENGINEERING TRACKING NOS.				
N/A	N/A	WW21-XXX DP21-XXXX				
<b>EROSION CONTROL PLAN</b>						
<b>UTSW BMES UTILITY RELOCATION</b>						
<b>2300 INWOOD DRIVE</b>						
<b>CRAWFORD GRIGSBY SURVEY</b>						
<b>ABSTRACT NO. 533</b>						
<b>SUSTAINABLE DEVELOPMENT &amp; CONSTRUCTION</b>						
<b>CITY OF DALLAS, DALLAS COUNTY, TEXAS</b>						
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JDD	VDA	FEBRUARY 2021	311T	XXXX	C11.01	



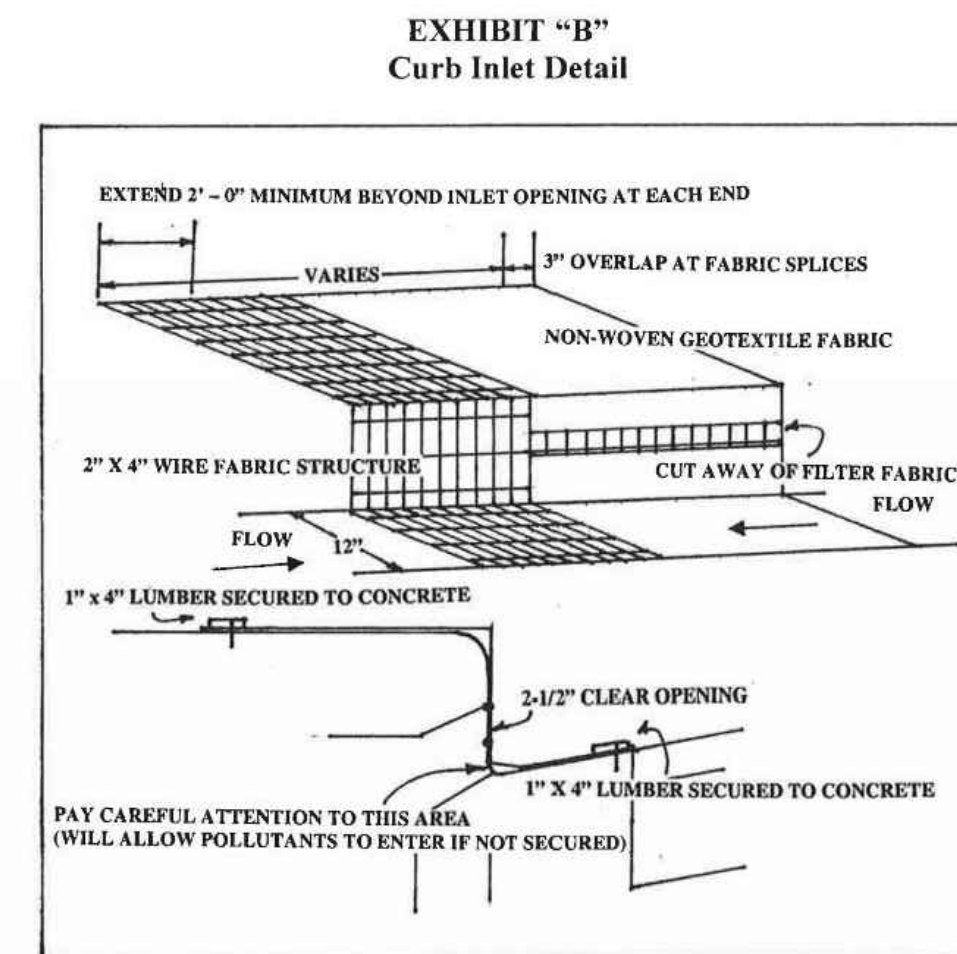
**AREA INLET PROTECTION**

- STEEL POSTS THAT SUPPORT THE SILT FENCE SHALL BE INSTALLED AT EACH CORNER AND IN BETWEEN CORNERS IF THE DISTANCE IS GREATER THAN 6' BETWEEN CORNER POSTS.
- USE SILT FENCE DETAIL FOR INSTALLATION OF THE SILT FENCE AROUND THE AREA INLET.
- THE METAL AREA INLET GRATE SHALL BE LIFTED AND FILTER FABRIC WRAPPED AROUND THE GRATE AND THE GRATE SHALL BE REPLACED.
- IN VEHICULAR TRAFFIC AREAS THE METAL GRATE SHALL BE LIFTED OUT AND WIRE FENCE MATERIAL SHALL BE PLACED UNDER IT WITH FILTER FABRIC PLACED BETWEEN THE GRATE AND THE WIRE FENCE. THE WIRE FENCE SHALL THEN BE ATTACHED TO THE GRATE.
- ACCUMULATED SILT SHALL BE REMOVED WHEN THE FILTER FABRIC OVER THE GRATE COMPLETELY COVERS THE GRATE AREA, AND THE SILT AROUND THE SILT FENCE REACHES A HEIGHT OF 6".
- AREA INLET PROTECTION SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED.



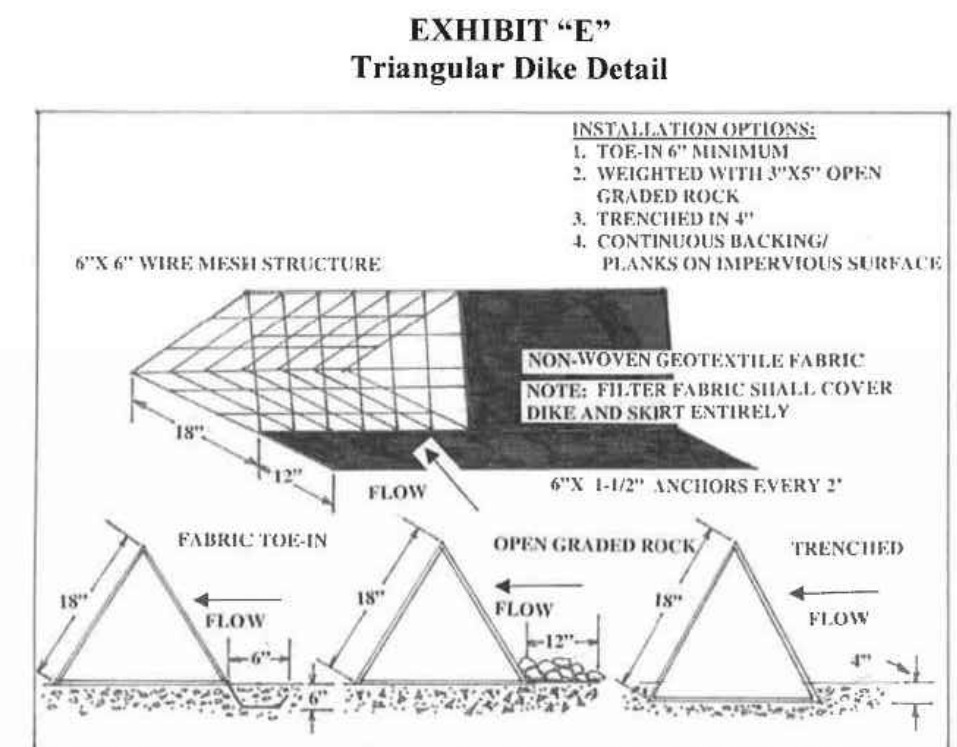
**SILT FENCE DETAIL**

- STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POSTS MUST BE EMBEDDED A MINIMUM OF 12".
- THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF THE FLOW. WHERE FENCE CAN NOT BE TRENCHED INTO THE SURFACE (e.g. PAVEMENT) THE FABRIC SHALL BE WEIGHTED DOWN WITH ROCK OR 1" X 4" LUMBER SECURELY FASTENED TO THE SURFACE, ON THE UPSTREAM SIDE TO PREVENT FLOW UNDER THE FENCE.
- THE TRENCH MUST BE A MINIMUM OF 6" DEEP AND 6" WIDE TO ALLOW FOR THE FILTER FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
- THE FILTER FABRIC SHALL BE SECURELY FASTENED TO THE WOVEN WIRE BACKING, WHICH IN TURN IS SECURELY FASTENED TO THE STEEL FENCE POST.
- ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6". THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.
- INSPECTION SHALL BE MADE WEEKLY AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY, IF NEEDED.
- SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED.



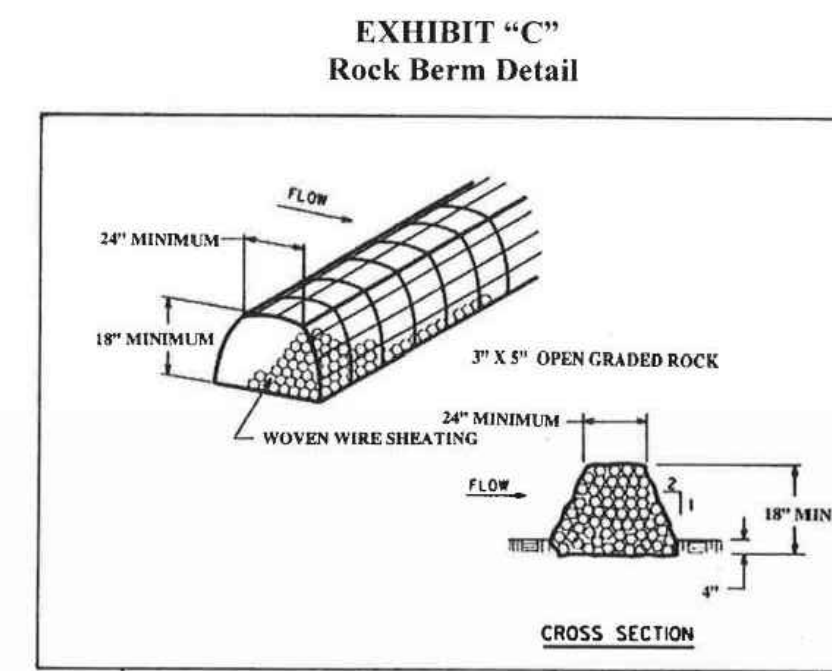
**CURB INLET PROTECTION**

- WHERE MINIMUM CLEARANCES CAUSE TRAFFIC TO DRIVE IN THE GUTTER, USE 1" X 4" LUMBER SECURED WITH CONCRETE NAILS 3" O.C. NAILED INTO THE CONCRETE. IF PEDESTRIAN TRAFFIC ONLY THE USE OF 200 GRAVEL BAGS TO SECURE MATERIAL IS PERMITTED.
- AS SECTION OF FILTER FABRIC SHALL BE REMOVED AS SHOWN IN THIS DETAIL. FABRIC MUST BE SECURED TO WIRE BACKING WITH CLIPS OR HOG RINGS AT THIS LOCATION.
- DAILY INSPECTION SHALL BE MADE AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 2".
- THE PERFORMANCE OF THE INLET PROTECTION SHALL BE MONITORED DURING EACH RAINFALL EVENT AND PROTECTION SHALL BE IMMEDIATELY REMOVED IF THE STORMWATER BEGINS TO OVERTOP THE CURB.
- INLET PROTECTION SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED.



**TRI DIKE FILTER DAM**

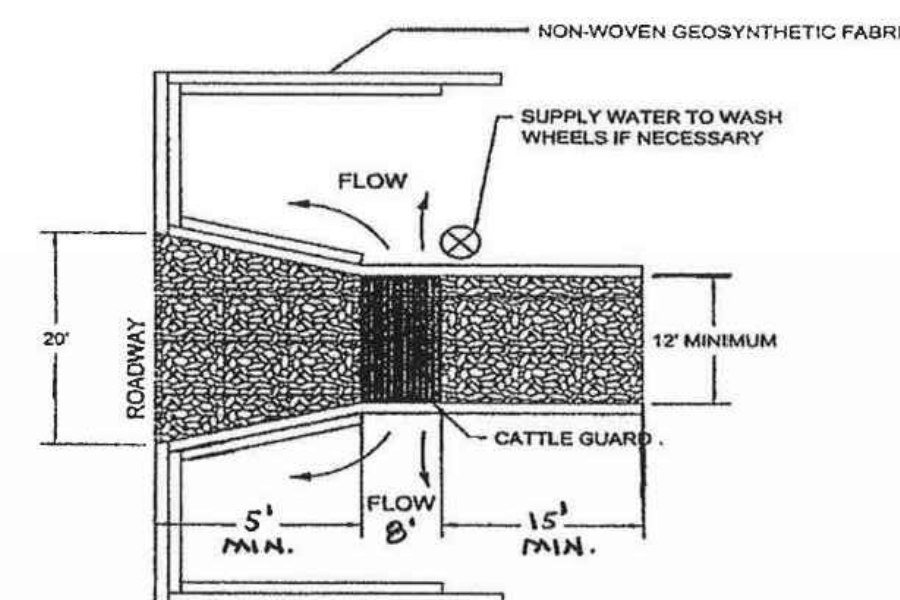
- DIKES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT DIKE.
- THE FABRIC COVER AND SKIRT SHALL BE A CONTINUOUS WRAPPING OF NON-WOVEN GEOTEXTILE. THE SKIRT SHALL BE A CONTINUOUS EXTENSION OF THE FABRIC ON THE UPSTREAM FACE.
- THE SKIRT SHALL BE WEIGHTED WITH A CONTINUOUS LAYER OF 3" X 5" OPEN GRADED ROCK, 1" X 4" LUMBER (SECURELY FASTENED), OR TOED IN 6" WITH MECHANICALLY COMPACTED MATERIAL. OTHERWISE, SHALL BE TRENCHED IN 4" IN DEPTH.
- DIKES AND SKIRT SHALL BE SECURELY ANCHORED IN PLACE USING 4" WIRE STAPLES ON 2' CENTERS ON BOTH EDGES OF SKIRT, OR STAKE USING 3/8" REBAR WITH TIE ENDS.
- FILTER MATERIAL SHALL BE LAPPED OVER ENDS 6" TO COVER DIKE TO DIKE JOINTS. JOINTS SHALL BE FASTEN WITH GALVANIZED SHOT RINGS.
- THE DIKE STRUCTURE SHALL BE 6" X 6" WIRE MESH, 18" ON A SIDE.
- ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6" AND DISPOSED OF IN A MANNER WHICH WILL NOT CAUSE ADDITIONAL SILTATION.
- INSPECTION SHALL BE MADE WEEKLY AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- AFTER THE SITE IS COMPLETELY STABILIZED, THE DIKES AND ANY REMAINING SILT SHALL BE REMOVED.



**ROCK BERM**

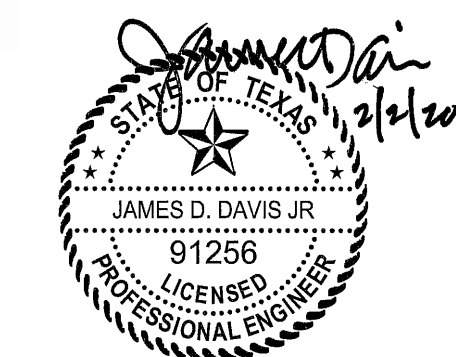
- USE ONLY OPEN GRADED ROCK (4" X 8") FOR STREAM FLOW CONDITIONS. USE OPEN GRADED ROCK (3" X 5") FOR OTHER CONDITIONS.
- THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING A MAXIMUM 1" OPENING AND A MINIMUM WIRE DIAMETER OF 20 GA. ROCK BERMS IN CHANNEL APPLICATIONS SHALL BE ANCHORED FIRMLY INTO THE SUBSTRATE A MINIMUM OF 6" WITH TIE BARS OR WITH #5 OR #6 REBAR, WITH A MAXIMUM SPACING OF 48" ON CENTER.
- THE ROCK BERM SHALL BE INSPECTED WEEKLY AND THE STONE AND/OR FABRIC CORE-WOVEN SHEATHING SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED, DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC, ETC.
- WHEN SILT REACHES A DEPTH EQUAL TO ONE-THIRD THE HEIGHT OF THE BERM OR 8" WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF ON AN APPROVED SITE AND IN A MANNER THAT WILL NOT CREATE A SILTATION PROBLEM.
- DAILY INSPECTION SHALL BE MADE ON SEVERE-SERVICE ROCK BERMS; SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 6".
- WHEN THE SITE IS COMPLETELY STABILIZED, THE ROCK BERM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

**EXHIBIT 'F' Stabilized Construction Exit**



A STEEL GRID THAT ALLOWS THE SAFE PASSAGE OF VEHICLES WHILE AGITATING THE TIRES TO LOOSEN AND REMOVE THE SOIL BUILD UP. THE GRID OR STRUCTURES SHALL CONFORM TO THE FOLLOWING:

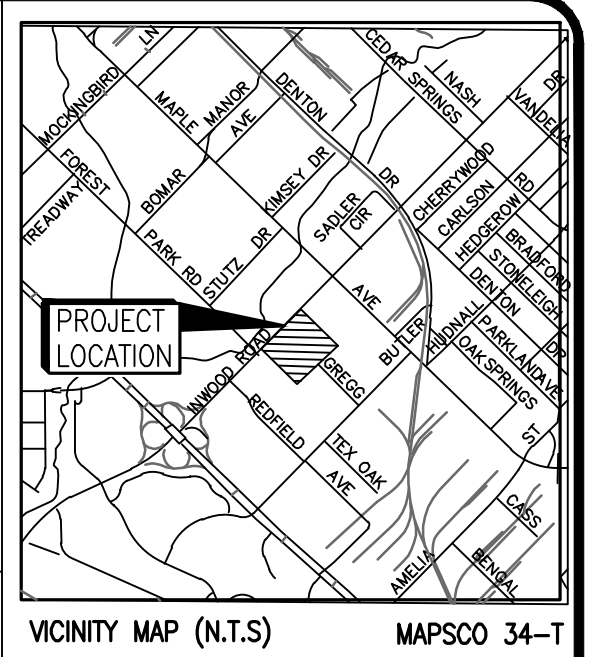
- IT SHALL CONSIST OF PIPES OR TUBES SPACED SUCH THAT THERE IS A MINIMUM CLEAR DISTANCE BETWEEN THE PIPES OR TUBES OF 4". IT SHALL BE ELEVATED ABOVE THE GROUND SURFACE A MINIMUM OF 8" TO ALLOW WATER, DEBRIS AND SOIL TO DRAIN.
- MINIMUM DIAMETER OF PIPE OR TUBE SHALL BE 3".
- IT SHALL BE DESIGNED TO SUPPORT ANY AND ALL VEHICLES ENTERING AND LEAVING THE CONSTRUCTION SITE.
- IT SHALL BE FIRMLY PLACED IN THE GROUND AT THE EXIT.
- IT SHALL BE OF SUFFICIENT LENGTH SO THAT THE AGITATION WILL REMOVE THE SOIL FROM THE TIRES OR A MINIMUM OF 8".
- AT THE "STREET SIDE" APPROACH OF THE GRID THERE SHALL BE AN IMPERVIOUS SURFACE OR IT SHALL CONSIST OF 3" TO 5" DIAMETER ANGULAR CRUSHED STONE/ROCK APPROXIMATELY 5'-8" IN LENGTH, MINIMUM, AND 4" DEEP, MINIMUM, ON THE "JOB SITE" SIDE OF THE GRID, THERE SHALL BE 3" TO 5" DIAMETER ANGULAR CRUSHED STONE/ROCK, 15'-40" IN LENGTH, MINIMUM, 8" DEEP, MINIMUM. THE STEEL GRID WILL BE BETWEEN THE "STREET SIDE" APPROACH AND THE JOB SITE CRUSHED STONE/ROCK. ALL CRUSHED STONE/ROCK SHALL HAVE FILTER FABRIC BENEATH THE STONE/ROCK.
- STEEL GRID AREA SHALL BE USED AS THE WASH AREA. WHEN THE WASH IS IN USE (RAINY OR MUDDY DAYS) THE AREA SHALL BE MANNED AND THE TIRES SHALL BE WASHED USING A HIGH PRESSURE HOSE/NOZZLE.
- THE AREA BENEATH THE GRID SHALL BE SLOPED SUCH THAT DEBRIS, SOIL AND WATER SHALL BE DIVERTED BACK ON TO THE CONSTRUCTION SITE OR TO A SEDIMENT BASIN. NO WATER, SOIL OR DEBRIS SHALL LEAVE THE CONSTRUCTION SITE. THE RESULTING DISCHARGE SHALL BE DISPOSED OF PROPERLY.



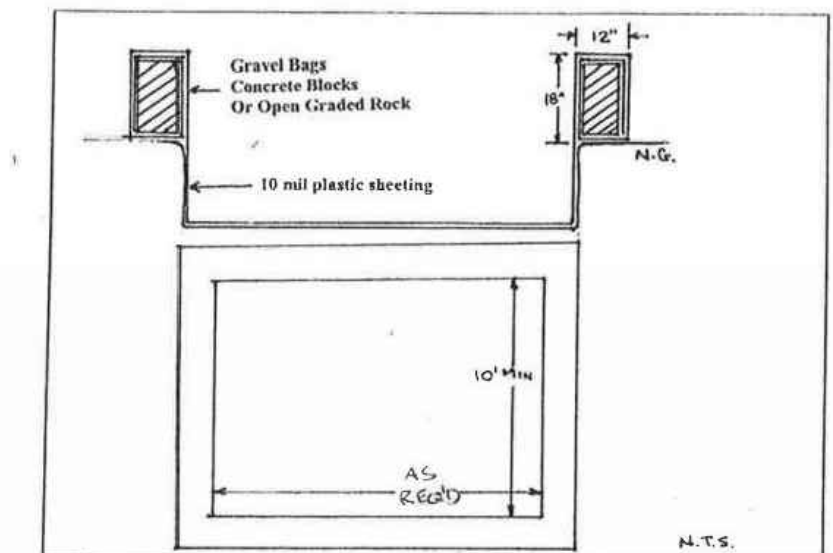
Water P. Moore and Associates, Inc.  
TBPE Firm Registration No. 1656

**CONTRACT INFORMATION**

CONTRACT NO. \_\_\_\_\_ DATE \_\_\_\_\_  
CONTRACTOR \_\_\_\_\_



**EXHIBIT 'G' Concrete truck washout**



**Alternative Self-installed Construction Site Concrete Truck Washout**

- The excavation for the concrete truck washout shall be a minimum of 10' wide and of sufficient length and depth to accommodate 7 gallons of washout water and concrete per truck per day and/or 50 gallons of washout water and concrete per pump truck per day.
- In the event that the self-installed concrete truck washout is constructed above ground, it shall be 10' wide and 10' long with the same requirements for containment as described in item 1.
- The containment area shall be lined with 10 mil plastic sheeting, without holes or tears. Where there are seams, these shall be secured according to manufacturer's directions.
- The plastic sheeting shall be of sufficient size so that it will overlap the top of the containment area and be wrapped around the gravel bags, concrete blocks or open graded rock at least 2 times.
- The gravel bags or concrete blocks shall be placed abutting each other to form a continuous berm around the outer perimeter of the containment area.
- The berm consisting of gravel bags, concrete blocks or open graded rock shall be no less than 18" high and no less than 12" wide.
- The containment area shall not exceed 50% of capacity at any one time.
- Solids shall be removed from containment area and disposed of properly and any damage to the plastic sheeting shall be repaired or sheeting replaced before next use.

REV NO.	DATE	REVISIONS	DESCRIPTION	BY
	02/24/2021	ISSUE FOR BID		
<b>MARTINEZ MOORE ENGINEERS, LLC</b> 221 WEST 6TH ST., SUITE 800 AUSTIN, TX 78701 PHONE: 512-330-1278				
PLAT NO.	BLDG PERMIT NO.	SD&C ENGINEERING TRACKING NOS.		
N/A	N/A	WW21-XXX	DP21-XXXX	
<b>EROSION CONTROL DETAILS</b> <b>UTSW BMES UTILITY RELOCATION</b> <b>2300 INWOOD DRIVE</b> <b>CRAWFORD GRIGSBY SURVEY</b> <b>ABSTRACT NO. 533</b>				
<b>SUSTAINABLE DEVELOPMENT &amp; CONSTRUCTION</b> <b>CITY OF DALLAS, DALLAS COUNTY, TEXAS</b>				
DESIGN	DRAWN	DATE	FILE	NUMBER
JDD	VDA	FEBRUARY 2021	311T	XXXX
				SHEET
				C11.50