

CITY OF MESQUITE, TEXAS

CDBG 2023 SIDEWALK CONSTRUCTION FOR DRIFTWOOD DR, POTTER LN, OATES DR. GROSS RD, PEACHTREE RD, N GALLOWAY AVE & OATES DR

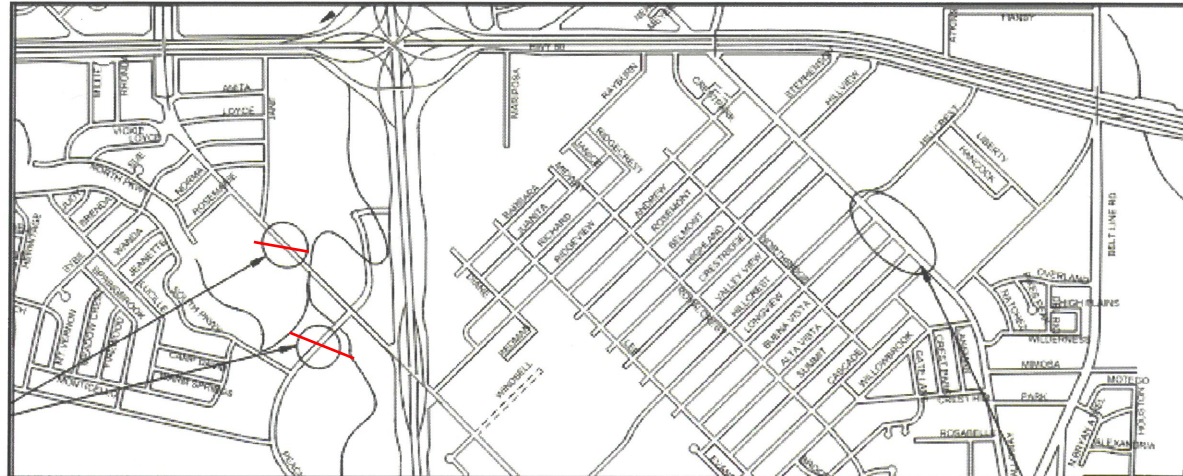
CITY CONTRACT NO. 2023-008

REV1 - remove sheets 4,
5, & 6. Edit Quantities.
2-23-2023

PROJECT
AREA

INDEX OF DRAWINGS

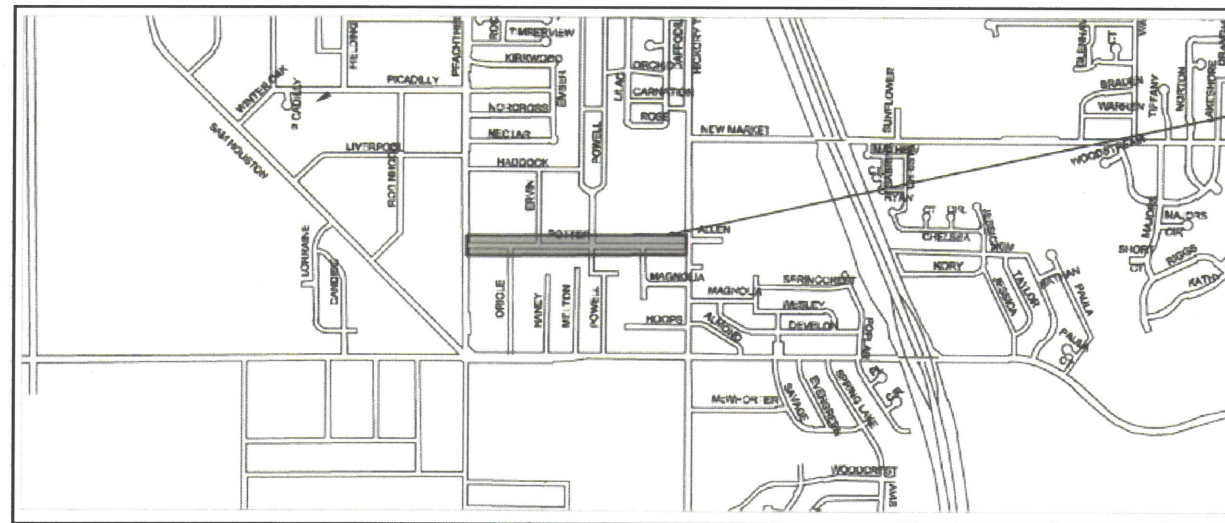
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	ESTIMATED QUANTITIES
4	PEACHTREE RD - SIDEWALKS
5	GROSS RD (1) - SIDEWALKS
6	GROSS RD (2) - SIDEWALKS
7	N. GALLOWAY AVE (1) - SIDEWALKS
8	N. GALLOWAY AVE (2) - SIDEWALKS
9	OATES DR SOUTH (1) - SIDEWALKS
10	OATES DR SOUTH (2) - SIDEWALKS
11	OATES DR SOUTH (3) - SIDEWALKS
12	OATES DR SOUTH (4) - SIDEWALKS
13	OATES DR SOUTH (5) - SIDEWALKS
14	OATES DR SOUTH (6) - SIDEWALKS
15	OATES DR SOUTH (7) - SIDEWALKS
16	OATES DR SOUTH (8) - SIDEWALKS
17	OATES DR SOUTH (9) - SIDEWALKS
18	OATES DR NORTH (1) - SIDEWALKS
19	OATES DR NORTH (2) - SIDEWALKS
20	OATES DR NORTH (3) - SIDEWALKS
21	OATES DR NORTH (4) - SIDEWALKS
22	OATES DR NORTH (5) - SIDEWALKS
23	OATES DR NORTH (6) - SIDEWALKS
24	OATES DR NORTH (7) - SIDEWALKS
25	OATES DR NORTH (8) - SIDEWALKS
26	DRIFTWOOD DR - SIDEWALKS
27	OATES DRIVE (1) - SIDEWALKS
28	OATES DRIVE (2) - SIDEWALKS
29	OATES DRIVE (3) - SIDEWALKS
30	POTTER LANE (1) - SIDEWALKS
31	POTTER LANE (2) - SIDEWALKS
32	POTTER LANE (3) - SIDEWALKS
33	POTTER LANE (4) - SIDEWALKS
34	POTTER LANE (5) - SIDEWALKS
35	POTTER LANE (6) - SIDEWALKS
36	POTTER LANE (7) - SIDEWALKS
37	CITY OF MESQUITE STANDARD DETAILS (PAVING 1)
38	CITY OF MESQUITE STANDARD DETAILS (PAVING 2)
39	CITY OF MESQUITE STANDARD DETAILS (PAVING 3)
40	CITY OF MESQUITE STANDARD DETAILS (PAVING 4)
41	TXDOT HEADWALL STANDARD SHEET
42	TXDOT PEDESTRIAN RAILING PRD-13 (1)
43	TXDOT PEDESTRIAN RAILING PRD-13 (2)
44	TXDOT PEDESTRIAN RAILING PRD-13 (3)



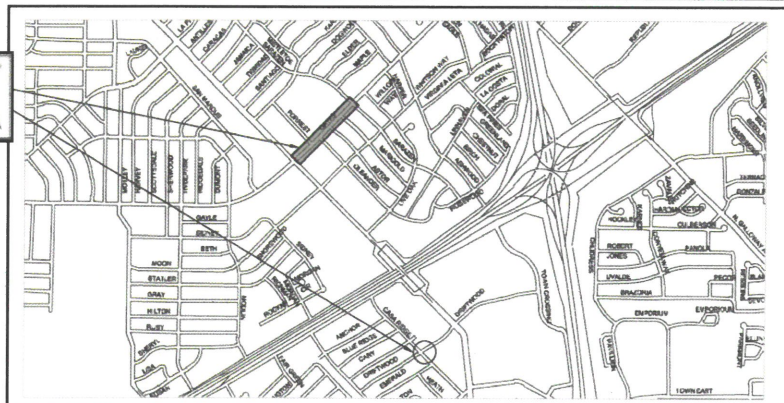
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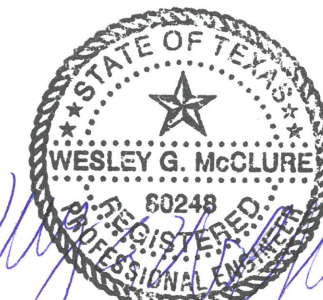
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PROJECT
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DANIEL ALEMAN	MAYOR
JEFF CASPER	DISTRICT 1
KENNY GREEN	DISTRICT 2
JENNIFER VIDLER	DISTRICT 3
TANDY BOROUGHS	DISTRICT 4
B.W. SMITH	DISTRICT 5
DEBBIE ANDERSON	DISTRICT 6
CLIFF KEHELEY	CITY MANAGER
CURT CASSIDY, PE	PUBLIC WORKS DIR.



Wesley G. McClure
2-23-2023

GENERAL NOTES FOR CONSTRUCTION ACTIVITIES:

- ALL WORK SHALL CONFORM TO THE CITY OF MESQUITE'S GENERAL DESIGN STANDARDS. IN THE EVENT AN ITEM OF WORK IS NOT COVERED IN THE PLANS OR THE CITY OF MESQUITE GENERAL DESIGN STANDARDS, THE MOST CURRENT NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE MOST CURRENT VERSION OF TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES SHALL APPLY WITH CONCURRING NOTIFICATION TO THE CITY ENGINEER AND THE PROJECT ENGINEER. THE CITY ENGINEER SHALL HAVE FINAL DECISION ON ALL CONSTRUCTION MATERIALS, METHODS, AND PROCEDURES.
- ALL CONTRACTORS AND DEVELOPERS, WITH THEIR EMPLOYEES AND AGENTS, SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL SAFETY LAWS AND REGULATIONS, INCLUDING BUT NOT LIMITED TO THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AND ORDINANCES RULES, REGULATIONS AND ORDERS OF ANY PUBLIC AUTHORITY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY TO PROTECT THEM FROM DEATH, INJURY, DAMAGE OR LOSS.
- ALL COMMUNICATION BETWEEN THE CITY AND THE CONTRACTOR SHALL BE THROUGH THE ENGINEERING CONSTRUCTION INSPECTOR AND CITY ENGINEER ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE APPROPRIATE DEPARTMENT FOR INSPECTIONS OF WORK NOT FALLING UNDER THE ENGINEERING CONSTRUCTION PERMIT.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL HAVE IN THEIR POSSESSION ALL NECESSARY PERMITS, PLANS, LICENSES, ETC. CONTRACTOR SHALL HAVE AT LEAST ONE SET OF APPROVED ENGINEERING PLANS AND SPECIFICATIONS ON-SITE AT ALL TIMES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY UTILITY COMPANIES TO ARRANGE FOR EXACT LOCATIONS AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION. THE COMPLETENESS AND ACCURACY OF THE UTILITY DATA SHOWN ON THE PLANS IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE DEPTH AND LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATING, TRENCHING, OR DRILLING AND SHALL BE REQUIRED TO TAKE ANY PRECAUTIONARY MEASURES TO PROTECT ALL LINES SHOWN AND / OR ANY OTHER UNDERGROUND UTILITIES NOT ON RECORD OR NOT SHOWN ON THE PLANS. THE CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGES TO UTILITIES IF THE DAMAGE IS CAUSED BY NEGLIGENCE OR FAILURE TO HAVE LOCATES PERFORMED.

i. TEXAS 811	811
ii. CITY OF MESQUITE UTILITIES	972-216-6940
iii. CITY OF MESQUITE TRAFFIC	972-216-6278
- VERIFICATION OF THE CONDITION OF EXISTING CITY UTILITIES PRIOR TO CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL REQUEST FOR LINE LOCATES AS DIRECTED IN ITEM #5.
- CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING LANDSCAPE IRRIGATION SYSTEMS. DAMAGE TO EXISTING IRRIGATION SYSTEMS SHALL BE RESTORED TO EQUAL OR BETTER CONDITION BY A LICENSED IRRIGATOR AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES OR ADJACENT PROPERTIES DURING CONSTRUCTION. ANY REMOVAL OR DAMAGE TO EXISTING FACILITIES OR ADJACENT PROPERTIES SHALL BE REPLACED OR REPAIRED TO EQUAL OR BETTER CONDITION BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE ALL REPAIRS TO PRIVATE PROPERTY WITH THE PROPERTY OWNER. CONTRACTOR SHALL PAY AND/OR SETTLE WITH PRIVATE PROPERTY OWNER FOR ALL COSTS RELATED TO ANY DAMAGE. FOR MORE DETAIL, REFER TO **NCTCOG 107.24**.
- TESTING AND INSPECTION OF MATERIALS SHALL BE PERFORMED BY A COMMERCIAL TESTING LABORATORY APPROVED BY THE CITY. CONTRACTOR SHALL FURNISH MATERIALS OR SPECIMENS FOR TESTING, AND SHALL FURNISH SUITABLE EVIDENCE THAT THE MATERIALS PROPOSED TO BE INCORPORATED INTO THE WORK ARE IN ACCORDANCE WITH THE SPECIFICATIONS. ALL TESTING AND RE-TESTING COSTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. FOR MORE DETAIL, REFER TO **NCTCOG 106.5**.
- CONTRACTOR SHALL NOTIFY THE CITY AT LEAST 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION.
- ALL SHOP DRAWINGS, WORKING DRAWINGS OR OTHER DOCUMENTS WHICH REQUIRE REVIEW BY THE CITY SHALL BE SUBMITTED BY THE CONTRACTOR SUFFICIENTLY IN ADVANCE OF SCHEDULED CONSTRUCTION TO ALLOW NO LESS THAN 10 BUSINESS DAYS FOR REVIEW AND RESPONSE BY THE CITY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CONSTRUCTION SURVEYING AND STAKING AND SHALL NOTIFY THE CITY OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH ANY WORK. FOR MORE DETAIL, REFER TO **NCTCOG 105.4**.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL SURVEY MARKERS INCLUDING IRON RODS, PROPERTY CORNERS, OR SURVEY MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION AND OUTSIDE RIGHT-OF-WAY DURING CONSTRUCTION. ANY SURVEY MARKERS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY.
- CONTRACTOR SHALL NOT STORE MATERIALS, EQUIPMENT OR OTHER CONSTRUCTION ITEMS ON ADJACENT PROPERTIES OR RIGHT-OF-WAY WITHOUT THE PRIOR WRITTEN CONSENT OF THE PROPERTY OWNER AND THE CITY. THE PROJECT SHALL NOT BE ACCEPTED UNTIL THE CONTRACTOR PROVIDES A LETTER FROM THE PROPERTY OWNER STATING THEY ARE SATISFIED WITH THE CONDITION OF THE PROPERTY.
- UNUSABLE EXCAVATED MATERIAL OR CONSTRUCTION DEBRIS SHALL BE REMOVED AND DISPOSED OF OFFSITE AT AN APPROVED DISPOSAL FACILITY BY THE CONTRACTOR.
- ALL SIGNAGE SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD).

GENERAL NOTES FOR EROSION CONTROL/STORM WATER POLLUTION PREVENTION:

- THE CONTRACTOR SHALL COMPLY WITH THE CITY OF MESQUITE'S STORM WATER ORDINANCE, THE TDPES GENERAL CONSTRUCTION PERMIT TXR150000 AND ANY OTHER STATE AND/OR LOCAL REGULATIONS.
- CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS AND DRIVEWAYS ADJACENT TO THE PROJECT FREE OF MUD AND DEBRIS AT ALL TIMES. CONTRACTOR SHALL CLEAN UP AND REMOVE ALL LOOSE MATERIAL RESULTING FROM CONSTRUCTION OPERATIONS. STOCKPILING OR STAGING OF MATERIALS WILL NOT BE ALLOWED IN RIGHT-OF-WAY WITHOUT PRIOR AUTHORIZATION. THE CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST, ANY DIRT, MUD OR DEBRIS TRACKED OFFSITE SHALL BE CLEANED UP BY THE CONTRACTOR IMMEDIATELY.
- ALL EROSION CONTROL DEVICES SHOWN ON THE PLANS RELEASED FOR CONSTRUCTION SHALL BE INSTALLED IN ACCORDANCE WITH THE SWPPP SEQUENCING PRIOR TO COMMENCING ANY EARTH DISTURBING ACTIVITIES. FAILURE TO INSTALL THE EROSION CONTROL DEVICES BEFORE STARTING THE EARTH DISTURBING ACTIVITIES MAY RESULT IN SANCTIONS INCLUDING, BUT NOT LIMITED TO, WITHHOLDING OF RELEASE OF CONSTRUCTION PERMITS, INSPECTIONS, PAYMENT OF CITY FUNDED PORTIONS OF THE PROJECT, SUSPENSION OF CONSTRUCTION ACTIVITIES, OR CITATIONS. EROSION CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN COMPLIANCE WITH THE PROJECT PLANS, CITY STORMWATER ORDINANCE AND/OR SWPPP AND CONSTRUCTION GENERAL PERMIT. THE CONTRACTOR SHALL INSPECT THE SITE DAILY AND KEEP THE SITE FREE OF TRASH AND CONSTRUCTION DEBRIS.
- CONTRACTOR MUST EXECUTE AND KEEP A COPY OF THE CONSTRUCTION SITE NOTICE (CSN) FOR THOSE ACTIVITIES DISTURBING MORE THAN 1 ACRE AND A NOTICE OF INTENT (NOI) FOR THOSE ACTIVITIES DISTURBING 5 ACRES OR MORE.

GENERAL NOTES FOR TRAFFIC CONTROL:

- CONTRACTOR SHALL PROVIDE THE PROJECT ENGINEER WITH A TRAFFIC CONTROL PLAN AT LEAST 10 BUSINESS DAYS BEFORE ANY WORK ON A CITY STREET. TRAFFIC CONTROL MEASURES SHALL CONFORM TO THE LATEST REVISION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD)
- CONTACT TRAFFIC ENGINEERING DIVISION, 972-216-6917, AT LEAST 48 HOURS PRIOR TO WORK REQUIRING THE REMOVAL OR RELOCATION OF TRAFFIC SIGNS, TRAFFIC CONTROL EQUIPMENT OR OTHER TRAFFIC CONTROL APPURTENANCES. ONLY CITY TRAFFIC PERSONNEL SHALL REMOVE TRAFFIC SIGNS.
- IN THE EVENT THE CONSTRUCTION WORK REQUIRES THE CLOSURE OF AN EXISTING STREET, ALLEY, OR FIRE LANE, THE CONTRACTOR SHALL REQUEST THE ROAD CLOSURE THROUGH THE CITY INSPECTOR A MINIMUM OF 48 HOURS IN ADVANCE OF THE REQUESTED CLOSURE. CLOSURES WILL NOT BE ALLOWED PRIOR TO 9:00 A.M. OR AFTER 3:30 P.M. MONDAY THROUGH FRIDAY UNLESS OTHERWISE APPROVED BY THE CITY. IN THE EVENT A DRIVEWAY(S) NEEDS TO BE CLOSED, THE CONTRACTOR SHALL REQUEST THE DRIVEWAY CLOSURE THROUGH THE CITY INSPECTOR, WHO WILL IN TURN NOTIFY DISPATCH AND OTHER PERTINENT CITY DEPARTMENTS. CLOSURES ARE PROHIBITED DURING SCHOOL ZONES TIMES IN AND AROUND SCHOOLS.
- IF THE CONSTRUCTION ZONE AFFECTS THE MOVEMENTS OF PEDESTRIANS, ADEQUATE PEDESTRIAN ACCESS AND WALKWAYS SHALL BE PROVIDED IN ACCORDANCE WITH THE DISABILITIES ACT ACCESSIBILITY GUIDELINES, PROWAG, TAS AND THE TMUTCD. WHERE DEVELOPMENTS OCCUR WITHIN 0.5 MILES OF A SCHOOL SITE, TEMPORARY SIDEWALKS MUST BE CONSTRUCTED CONNECTING THE DEVELOPMENT TO THE SCHOOL SITE. THE ROUTE SHALL BE APPROVED BY THE CITY ENGINEER. TEMPORARY SIDEWALKS MAY BE CONSTRUCTED WITH MATERIALS OTHER THAN CONCRETE. THE MATERIAL SHALL BE APPROVED BY THE CITY ENGINEER AND BE AN ALL-WEATHER MATERIAL OF A COLOR AND TEXTURE DISTINCTLY DIFFERENT FROM THE PERMANENT SIDEWALK.
- OVERNIGHT LANE CLOSURES SHALL BE APPROVED BY CITY PRIOR TO CLOSING THE LANE. ANY LANE OR SHOULDER CLOSURE ON AN ARTERIAL ROAD THAT EXTENDS INTO THE NIGHT SHALL REQUIRE THE MANDATORY USE OF ARROW BOARDS.

GENERAL NOTES FOR PAVING

- ABSOLUTELY NO EARTHWORK, LIME APPLICATION, OR OTHER PREPARATION OF THE SUBGRADE FOR PAVING OF STREETS, ALLEYS, SIDEWALKS, TRAILS, FIRE LANES OR OTHER TRANSPORTATION RELATED FLATWORK SHALL BE INITIATED WITHOUT AUTHORIZATION FROM THE CITY. THE CITY WILL AUTHORIZE THE SUBGRADE WORK IN PREPARATION FOR PAVING AFTER UTILITY TRENCH BACKFILL TESTING HAS BEEN COMPLETED AND VERIFIED TO MEET THE CITY REQUIREMENTS.
- ALL SIDEWALKS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND THE TEXAS ARCHITECTURAL BARRIERS ACT. THE CITY OF MESQUITE HAS NOT REVIEWED THESE PLANS FOR COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT, TEXAS ARCHITECTURAL BARRIERS ACT, OR ANY OTHER ACCESSIBILITY LEGISLATION, AND DOES NOT WARRANT OR APPROVE THESE PLANS FOR ANY ACCESSIBILITY STANDARDS. PRIOR TO PROJECT ACCEPTANCE, THE CONTRACTOR SHALL SUBMIT TO THE CITY DOCUMENTATION THAT THE PROJECT WAS INSPECTED BY A REGISTERED ACCESSIBILITY SPECIALIST, REGISTERED WITH THE TEXAS DEPARTMENT OF LICENSING AND REGULATION CERTIFYING THE PROJECT IS IN COMPLIANCE WITH THE REQUIREMENTS OF THE TEXAS ARCHITECTURAL BARRIERS ACT.
- ALL CONCRETE PAVING (STREETS, ALLEYS, SIDEWALKS, DRIVEWAYS) WITHIN CITY ROW SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI, CONTAINING A MINIMUM OF 6 SACKS OF CEMENT PER CUBIC YARD, WITH A SLUMP RANGE OF 1" TO 3" SLUMP FOR MACHINE POURS AND 3" TO 5" SLUMP FOR HAND POURS UNLESS OTHERWISE NOTED IN THE GENERAL DESIGN STANDARDS. ALL MATERIALS AND REQUIREMENTS FOR CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT NCTCOG ITEM "PORTLAND CEMENT CONCRETE PAVEMENT" WITH THE EXCEPTION THAT FLY ASH MAY BE SUBSTITUTED FOR UP TO 20% OF THE CEMENT CONTENT REQUIREMENT AT 1 TO 1.25 CEMENT TO FLY ASH SUBSTITUTION RATE.
- ALL CONCRETE MUST BE MECHANICALLY VIBRATED. THE FORMING OF NEW STREET AND ALLEY PAVEMENT IS BY USING THE SLIP FORM METHOD. CONCRETE SHALL BE HAND PLACED AT INTERSECTIONS AND MISCELLANEOUS AREAS.
- TEMPERATURE DURING CONCRETE PLACEMENT:
 - THE TEMPERATURE OF CONCRETE AS PLACED SHALL NOT EXCEED 95°F.
 - NO CONCRETE SHALL BE PLACED ON A FROZEN SUBGRADE.
 - IF THE AMBIENT AIR TEMPERATURE IS LESS THAN 40°F AND DROPPING CONCRETE SHALL NOT BE PLACED.
 - IF CONCRETE IS PLACED AND THERE IS AN ANTICIPATED LOW TEMPERATURE OF LESS THAN 40°F WITHIN 5 DAYS AFTER PLACEMENT THE CONCRETE MUST BE COVERED AND KEPT AT A TEMPERATURE OF NOT LESS THAN 50°F.
 - IN ALL CASES, CONCRETE SHOULD NOT BE KEPT AT A TEMPERATURE OF LESS THAN 50°F FOR A PERIOD OF 5 DAYS MINIMUM.
- REINFORCING SHALL CONFORM TO ASTM A 615 AND BE A MINIMUM GRADE OF 60 PER ASTM A 370. REINFORCING STEEL BAR LAPS ARE TO BE 30 BAR DIAMETERS OR 15" PER ACI 318, WHICHEVER IS GREATER. A MINIMUM OF 50% OF REBAR INTERSECTIONS ARE TO BE SECURED WITH TIE WIRE AND SUPPORTED WITH CHAIRS. ALL REINFORCEMENT SHALL BE FREE FROM RUST, SCALE, OIL, PAINT AND OTHER SUBSTANCES WHICH PREVENT BONDING TO THE CONCRETE. UNLESS OTHERWISE SPECIFIED, STEEL SHALL BE PLACED AT HALF THE PAVEMENT DEPTH.
- WHITE CURING COMPOUND IS TO BE APPLIED, PER MANUFACTURER'S RECOMMENDATIONS, TO ALL EXPOSED CONCRETE SURFACES (INCLUDING BACKS OF CURBS) IMMEDIATELY AFTER COMPLETION OF FINISHING OPERATIONS, PER ASTM C-309, TYPE 2, NCTCOG SECTION 303.2.13.1.1.
- NO VEHICLE TRAFFIC SHALL BE PERMITTED ON NEWLY PAVED AREAS FOR SEVEN DAYS AFTER CONCRETE POUR OR UNTIL 3,000 PSI IS ACHIEVED.
- ALL FILL AND LIME SUBGRADES SHALL BE PLACED IN MAXIMUM 8" COMPACTED LIFTS AND BE COMPACTED TO 95% STANDARD PROCTOR AT A MOISTURE RANGE OF 0% TO 6% OF OPTIMUM MOISTURE. MOISTURE LEVEL MUST BE MAINTAINED, BY WETTING OR APPLICATION OF ASPHALT EMULSION PRIME COAT (0.25 TO 0.50 GAL/SY) IF NECESSARY, UNTIL PLACING OF CONCRETE PAVING.

GENERAL NOTES FOR TRENCHING AND CONFINED SPACE

- ALL EXCAVATION AND TRENCH OPERATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH 29 CODE OF FEDERAL REGULATIONS (CFR), PART 1926, SUBPART P AND ALL OTHER APPLICABLE STATE AND CITY REGULATIONS. PRIOR TO COMMENCING ANY EXCAVATION OR TRENCHING OPERATION, THE CONTRACTOR SHALL SUBMIT TO THE CITY ENGINEER A PLAN SEALED BY A TEXAS LICENSED PROFESSIONAL ENGINEER INDICATING THE INTENDED PROCEDURES TO BE USED BY THE CONTRACTOR TO COMPLY WITH OSHA REQUIREMENTS. SUCH PLAN SHALL FURTHER IDENTIFY THE "COMPETENT PERSON" AS REQUIRED BY PARAGRAPH 1926.651(K)(1) THAT WILL WORK WITH EACH CREW. AN AFFIDAVIT FROM THE CONTRACTOR INDICATING THE COMPETENT PERSON MUST BE SUBMITTED WITH THE TRENCH SAFETY PLAN TO THE CITY ENGINEER. A COPY OF THE TRENCH SAFETY PLAN MUST BE ON THE JOB AT ALL TIMES. THE CITY RESERVES THE RIGHT TO DENY PAYMENT FOR ANY CONSTRUCTION ACTIVITIES IN EXCAVATIONS OR TRENCHES THAT ARE NOT IN ACCORDANCE WITH THE SUBMITTED PLAN. THE CITY DOES NOT APPROVE OR DISAPPROVE TRENCH SAFETY PLANS, BUT WILL RETAIN A FILE COPY.
- IMPLEMENTATION OF TRENCH SAFETY SHALL COMPLY WITH SUBMITTED TRENCH SAFETY DESIGN PLAN. SUBMIT DESIGNATED COMPETENT PERSON WHO WILL BE ON-SITE FULL TIME AND IS CAPABLE OF IDENTIFYING EXISTING AND PREDICTABLE HAZARDS IN SURROUNDING OR WORK CONDITIONS WHICH ARE UNSANITARY, HAZARDOUS, OR DANGEROUS TO EMPLOYEES AND WHO HAS THE AUTHORIZATION TO TAKE PROMPT CORRECTIVE MEASURES TO ELIMINATE THEM. INSTALL, OPERATE, MAINTAIN, ADJUST, AND REMOVE TRENCH SAFETY EQUIPMENT, AND PRECAUTIONS IN ACCORDANCE WITH TRENCH SAFETY DESIGN.
- ALL ENTRY INTO CONFINED SPACES SHALL BE CONDUCTED IN ACCORDANCE WITH 29 CODE OF FEDERAL REGULATIONS (CFR), PART 1910.147 P AND ALL OTHER APPLICABLE STATE AND CITY REGULATIONS. PRIOR TO COMMENCING ANY CONFINED SPACE ENTRY, THE CONTRACTOR SHALL SUBMIT TO THE CITY ENGINEER A COPY OF THE CONFINED SPACE ENTRY PLAN WITH A COMPLETED PERMIT.

GENERAL NOTES FOR UTILITIES

- ALL WATER AND WASTEWATER MAINS THAT ARE PROPOSED TO BE ABANDONED WITHIN STREET ROW AND LESS THAN 10 FEET IN DEPTH, UNDER ANY MAJOR INTERSECTIONS, OR IN AREAS THAT COULD IMPACT MAJOR INFRASTRUCTURE, SHALL BE ABANDONED BY DRAINING THE EXISTING MAIN AND CUTTING AND FILLING THE EXISTING MAIN WITH GROUT.

MATERIAL	DESIGNATION	TEST	FREQUENCY	REQUIRED TESTING	
				REQUIREMENTS	NOTES
SUBGRADE	ASTM D-6938	IN-PLACE DENSITY AND WATER CONTENT	EVERY 300 LINEAR FEET (1)	MOISTURE CONTENT: 0% - 6% OF OPTIMUM; DENSITY: 95% OF STANDARD PROCTOR	EVERY 8' LIFT
		LIME STABILIZED SUBGRADE - DEPTH CHECK		DEPTH OF STABILIZATION AS SPECIFIED PER PLANS	
		LIME STABILIZED SUBGRADE - SIEVE ANALYSIS		1.75" SIEVE: 100% PASSING; NO. 4 SIEVE: 60%	
CONCRETE PAVING	ASTM D-698	PROCTOR	EVERY NEW MATERIAL SOURCE		
	ASTM C- 143	SLUMP OF PORTLAND CEMENT	FIRST TRUCK EACH DAY + 1 EVERY 150 CY	1" - 3" MACHINE POURS, 3" - 5" HAND POURS	
	ASTM C-231	CONCRETE AIR CONTENT BY PRESSURE METHOD (FOR FRESH CONCRETE)		MINIMUM 3%	
	ASTM C- 1064	TEMPERATURE OF FRESHLY MIXED PORTLAND CEMENT CONCRETE	EVERY TRUCK	95 F MAX (HOT WEATHER) AND 50 F MIN (COLD WEATHER)	
	ASTM C-39	COMPRESSIVE STRENGTH OF CYLINDRICAL CONCRETE SPECIMENS	3 CYLINDERS TAKEN FROM FIRST TRUCK EVERY DAY + 3 EVERY 150 CY	3,000 PSI MINIMUM FOR TRAFFIC; 4,000 PSI MINIMUM AT 28 DAYS	1 BROKEN AT 7 DAYS AND THE OTHER 2 BROKEN AT 28 DAYS; IF NEEDING TO GET TRAFFIC ON PAVEMENT FASTER THEN ADDITIONAL CYLINDER BROKEN AT 3 DAYS
	ASTM C-42	OBTAINING AND TESTING OF DRILLED CORES OF CONCRETE	EVERY 300 LINEAR FEET (1)	4,000 PSI COMPRESSIVE AT 28 DAYS	4" DIAMETER TAKEN 28 DAYS AFTER POUR
ASTM C-174	MEASURING LENGTH OF DRILLED CONCRETE CORES			DEPTH OF PAVEMENT AS SPECIFIED PER PLANS	

NOTES: (1) PER LANE, TRENCH, ALLEY OR SIDEWALK

GENERAL DESIGN STANDARDS STANDARD DETAILS	
SCALE: N.T.S.	SHEET: G-GN
REVISION DATE: 05/17/2022	

REV1 - remove sheets 4, 5, & 6. Edit Quantities. 2-23-2023

Bid-Alt Items

ITEM	DESCRIPTION	UNIT	SHEET NUMBER																
			4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
1	MOBILIZATION (5% OF TOTAL)	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	TRAFFIC CONTROL IMPLEMENTATION AND MAINTENANCE	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	REMOVE CONCRETE INCLUDING SIDEWALK, DRIVEWAY, ALLEY, PAVEMENT, OTHER	SY	-	-	-	130	22	-	-	-	27	6	100	60	73	-	-	-	-
4	CONSTRUCT CONCRETE SIDEWALK (4" THICK)	SY	103	103	65	93	133	140	40	-	6	7	-	40	120	39	128	-	-
5	CONSTRUCT CONCRETE SIDEWALK (6" THICK)	SY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	CONSTRUCT ADA RAMP TYPE A	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	CONSTRUCT ADA RAMP TYPE C	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	CONSTRUCT ADA RAMP TYPE D	EA	-	-	-	-	-	1	2	2	1	-	-	-	-	-	-	-	-
9	CONSTRUCT CONCRETE ALLEY/DRIVEWAY APPROACH (6" THICK)	SY	-	-	-	123	22	-	-	27	-	100	60	73	-	-	-	-	1
10	ADJUST MANHOLE AND COVER	EA	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	ADJUST WATER VALVE STACK TOP	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	ADJUST WATER METER	EA	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
13	BERMUDA BLOCK SOD	SF	500	600	200	400	700	400	200	60	20	20	20	300	600	200	600	-	-
14	REMOVE EXISTING HEADWALL AND TREES IN ROW	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	EXTEND 24" RCP	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	EXTEND 18" RCP W/45 DEGREE BEND	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	CONSTRUCT CONCRETE HEADWALL (CH-PW-0)(4:1)(H=6')	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	PEDESTRIAN HANDRAIL (TY C)	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

700
1
10
10
1
10

ITEM	DESCRIPTION	UNIT	SHEET NUMBER																	ESTIMATED PLAN QTY	
			19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		36
1	MOBILIZATION (5% OF TOTAL)	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2	TRAFFIC CONTROL IMPLEMENTATION AND MAINTENANCE	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
3	REMOVE CONCRETE INCLUDING SIDEWALK, DRIVEWAY, ALLEY, PAVEMENT, OTHER	SY	-	-	-	-	-	-	-	20	10	-	40	40	60	30	60	60	30	-	1
4	CONSTRUCT CONCRETE SIDEWALK (4" THICK)	SY	276	213	100	187	27	110	104	83	171	284	136	-	-	-	-	-	-	-	845
5	CONSTRUCT CONCRETE SIDEWALK (6" THICK)	SY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2437
6	CONSTRUCT ADA RAMP TYPE A	EA	-	-	-	-	-	-	1	-	-	-	-	326	405	504	91	536	548	163	2573
7	CONSTRUCT ADA RAMP TYPE C	EA	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
8	CONSTRUCT ADA RAMP TYPE D	EA	-	-	-	-	2	2	1	-	6	6	2	-	1	1	1	1	-	-	2
9	CONSTRUCT CONCRETE ALLEY/DRIVEWAY APPROACH (6" THICK)	SY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30
10	ADJUST MANHOLE AND COVER	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	482
11	ADJUST WATER VALVE STACK TOP	EA	-	-	-	1	-	-	-	-	-	-	-	-	-	2	1	-	-	-	4
12	ADJUST WATER METER	EA	-	-	-	-	-	-	-	-	-	-	3	-	1	1	1	2	-	-	10
13	BERMUDA BLOCK SOD	SF	700	700	500	600	200	500	400	166	342	476	192	452	623	631	124	776	828	238	11,968
14	REMOVE EXISTING HEADWALL AND TREES IN ROW	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
15	EXTEND 24" RCP	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
16	EXTEND 18" RCP W/45 DEGREE BEND	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
17	CONSTRUCT CONCRETE HEADWALL (CH-PW-0)(4:1)(H=6')	LS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
18	PEDESTRIAN HANDRAIL (TY C)	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1



Public Works

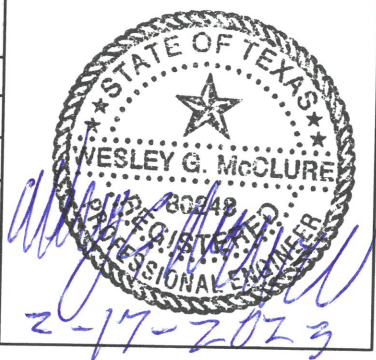
ESTIMATED QUANTITIES

CDBG 2023
SIDEWALK IMPROVEMENT PROJECT
CITY CONTRACT #2023-008

SCALE - 1" = NTS DRAWN BY:

REVISIONS

DATE 2/17/2023 SHEET: 3



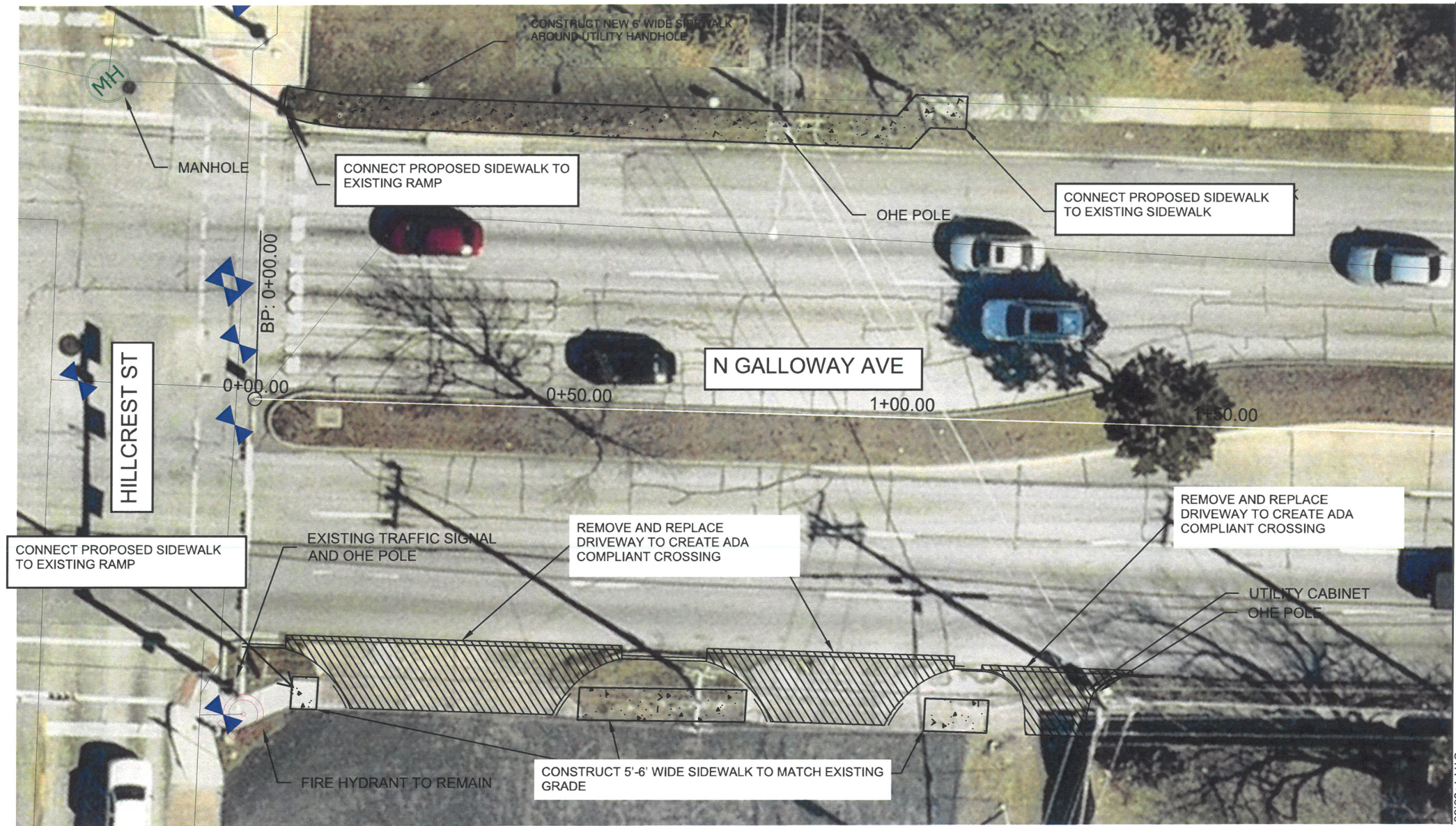


CAUTION
OVERHEAD AND UNDERGROUND
UTILITIES THROUGHOUT
PROJECT LOCATION



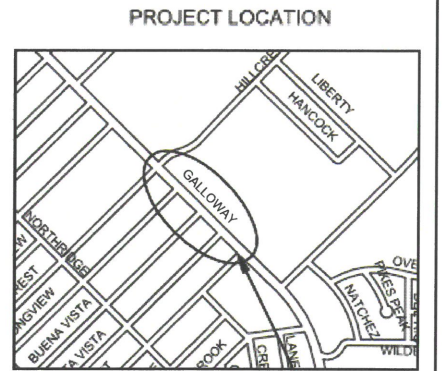
LEGEND

	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
	BLOCK SODDING
	CURB
	CURB RAMP
	FENCELINE

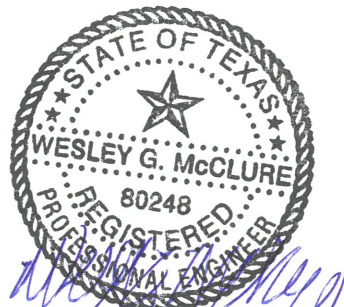


- GENERAL NOTES:
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 2. INSTALL A.D.A. COMPLIANT RAMPS AT LOCATIONS SHOWN. REFER TO DESIGN DETAIL SHEET
 3. TIE NEW SIDEWALK TO EXISTING SIDEWALK OR OTHER EXISTING CONNECTION POINTS AS SHOWN AND REQUIRED
 4. REMOVE AND REPLACE DRIVEWAY, REFER TO MESQUITE DESIGN DETAIL SHEET



CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 20'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 7



Public
Works

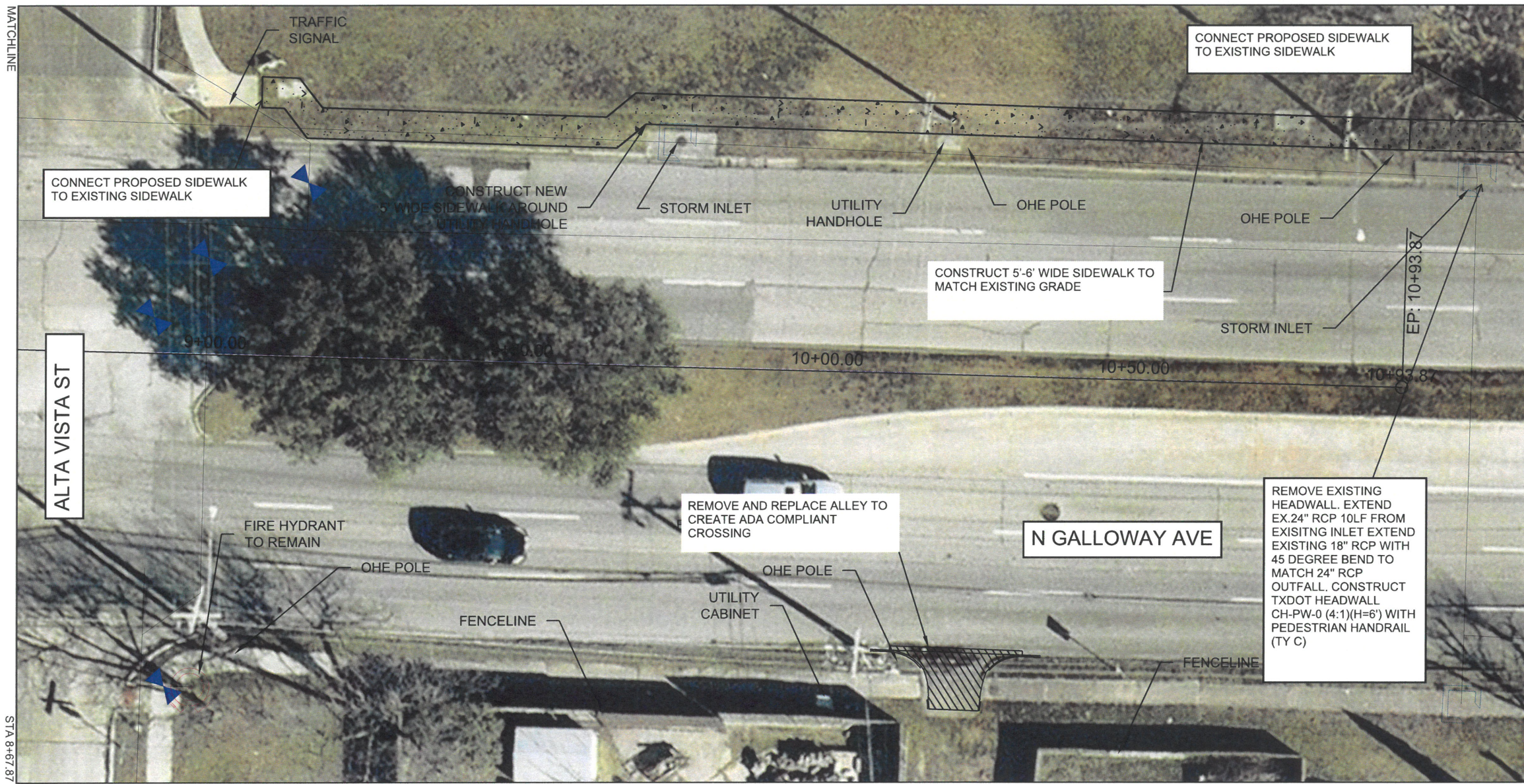
N. GALLOWAY AVE (1) - SIDEWALKS



CAUTION
OVERHEAD AND UNDERGROUND
UTILITIES THROUGHOUT
PROJECT LOCATION

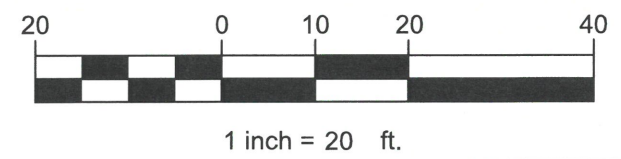
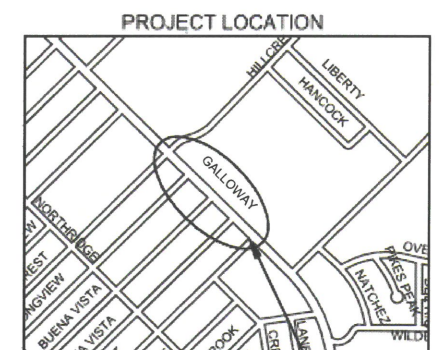


LEGEND	
	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
	BLOCK SODDING
	CURB
	CURB RAMP
	FENCELINE

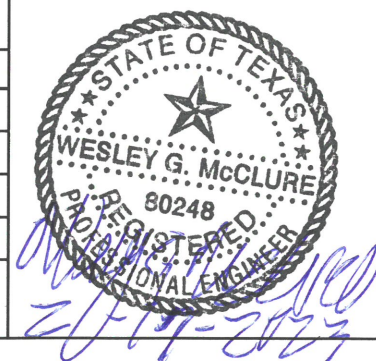


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 - REMOVE AND REPLACE DRIVEWAY, REFER TO MESQUITE DESIGN DETAIL SHEET



CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 20'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 8



Public
Works

N. GALLOWAY AVE (2) - SIDEWALKS



CAUTION
 OVERHEAD AND UNDERGROUND
 UTILITIES THROUGHOUT
 PROJECT LOCATION

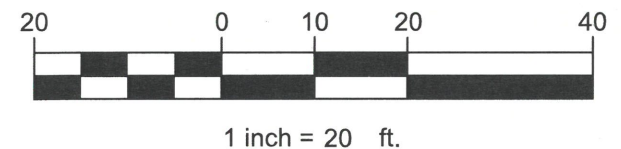
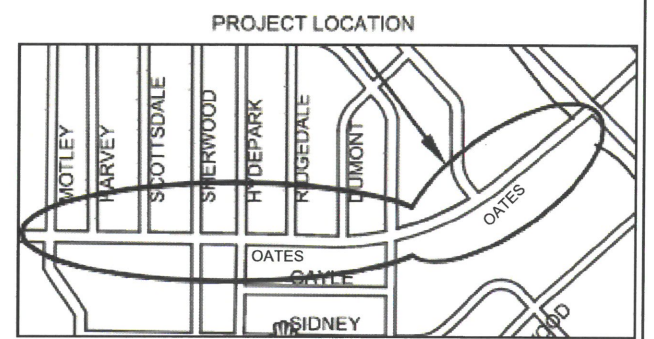


LEGEND	
	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
	BLOCK SODDING
	CURB
	CURB RAMP
	FENCELINE



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Public Works

OATES DR SOUTH (1) - SIDEWALKS

CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 20'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 9



CAUTION
 OVERHEAD AND UNDERGROUND
 UTILITIES THROUGHOUT
 PROJECT LOCATION



LEGEND	
	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
	BLOCK SODDING
	CURB
	CURB RAMP
	FENCELINE



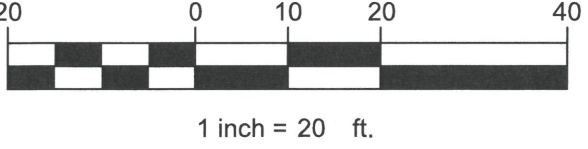
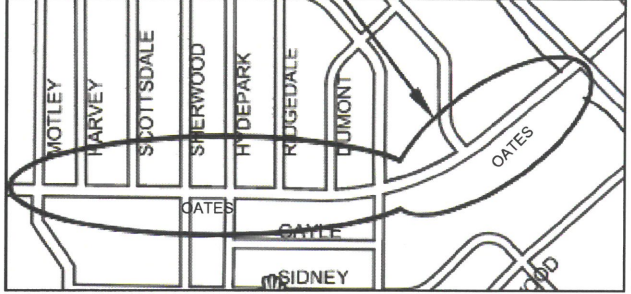
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PROJECT LOCATION



OATES DR SOUTH (2) - SIDEWALKS



Public Works

CDBG 2023
 SIDEWALK IMPROVEMENT PROJECT
 CITY CONTRACT #2023-008

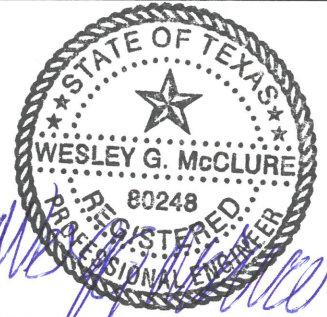
SCALE - 1" = 20'

DRAWN BY:

REVISIONS

DATE
 2/17/2023

SHEET: 10





CAUTION
OVERHEAD AND UNDERGROUND
UTILITIES THROUGHOUT
PROJECT LOCATION

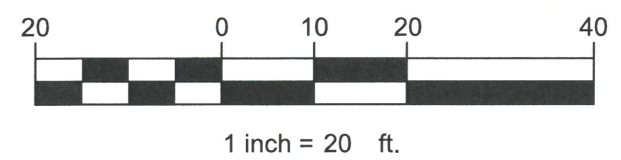
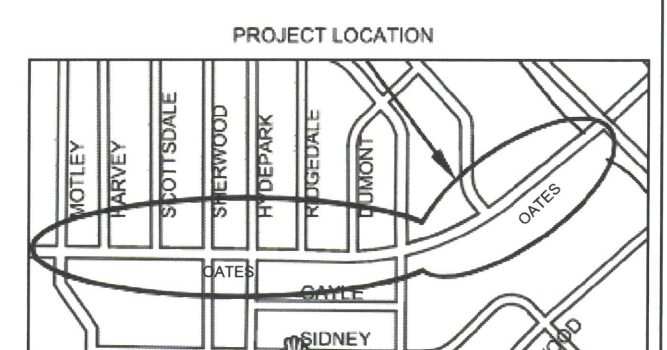


LEGEND	
	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
	BLOCK SODDING
	CURB
	CURB RAMP
	FENCELINE

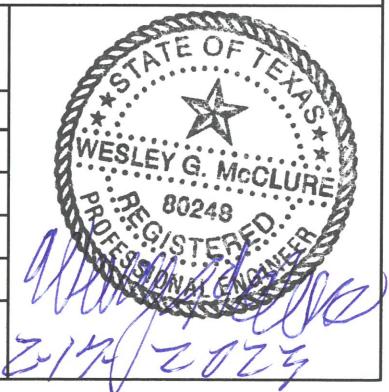


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CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 20'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 11



Public
Works

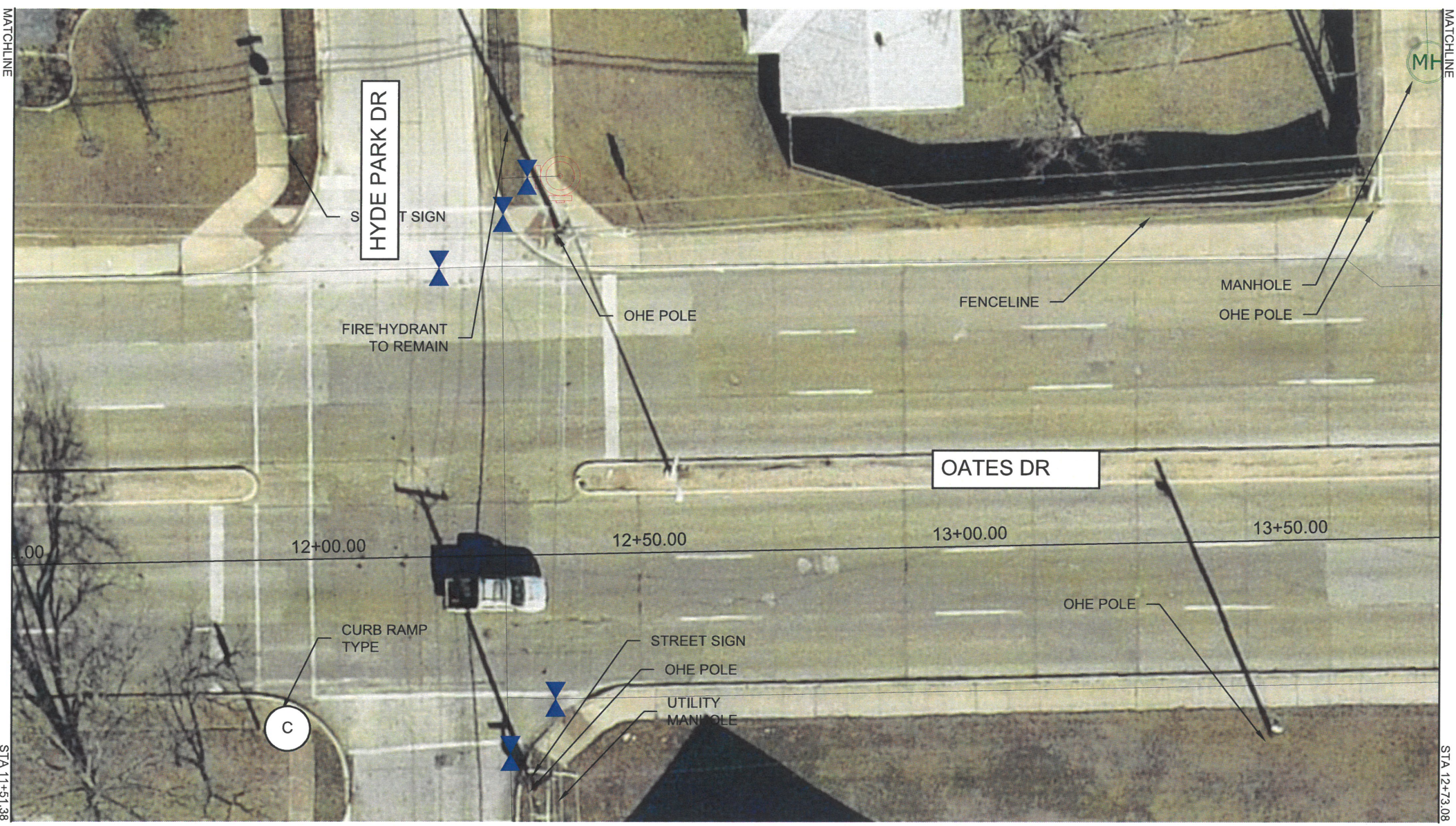
OATES DR SOUTH (3) - SIDEWALKS



CAUTION
 OVERHEAD AND UNDERGROUND
 UTILITIES THROUGHOUT
 PROJECT LOCATION

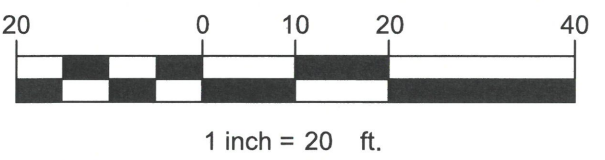
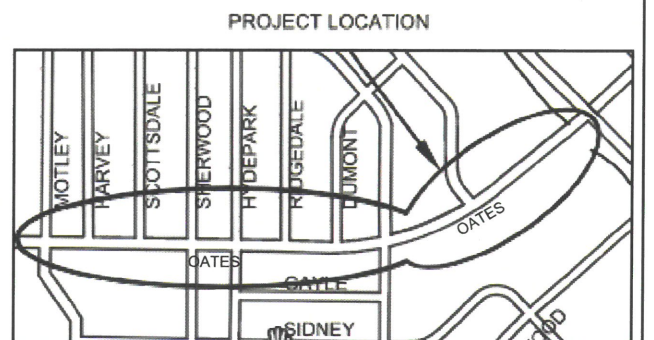


LEGEND	
	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
	BLOCK SODDING
	CURB
	CURB RAMP
	FENCELINE



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CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 20'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 12



Public
Works

OATES DR SOUTH (4) - SIDEWALKS



CAUTION
 OVERHEAD AND UNDERGROUND
 UTILITIES THROUGHOUT
 PROJECT LOCATION

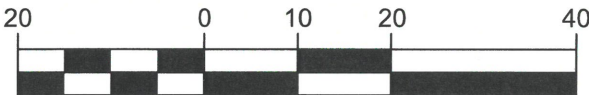
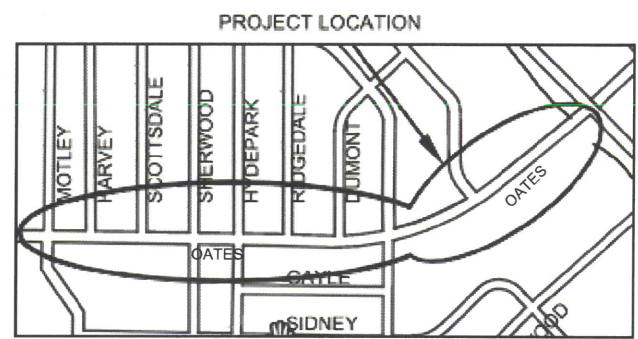


LEGEND	
	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
	BLOCK SODDING
	CURB
	CURB RAMP
	FENCELINE



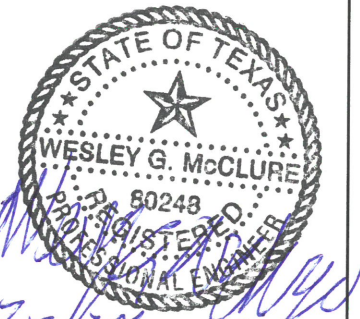
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1 inch = 20 ft.

CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 20'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 13



Public
Works

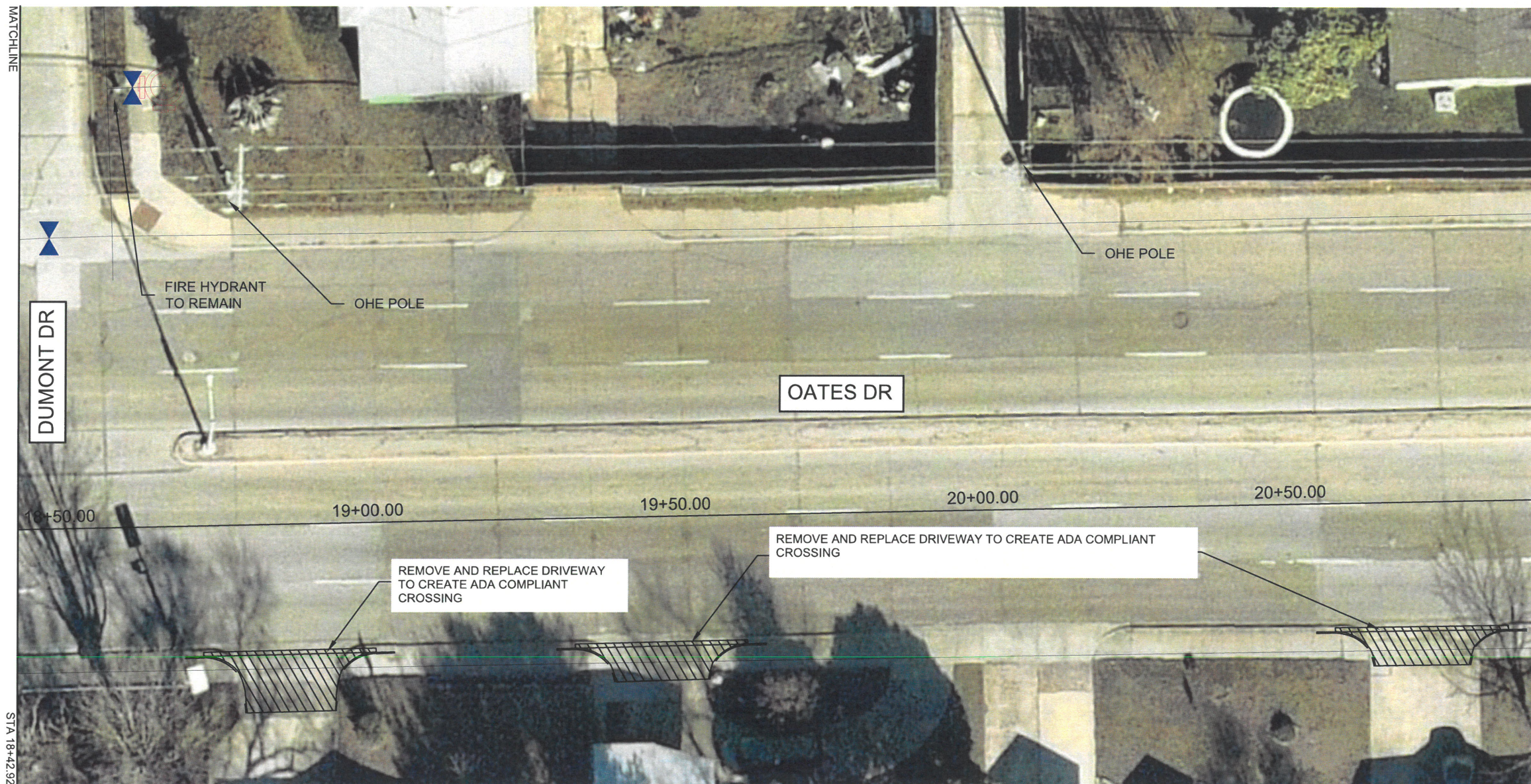
OATES DR SOUTH (5) - SIDEWALKS



CAUTION
OVERHEAD AND UNDERGROUND
UTILITIES THROUGHOUT
PROJECT LOCATION

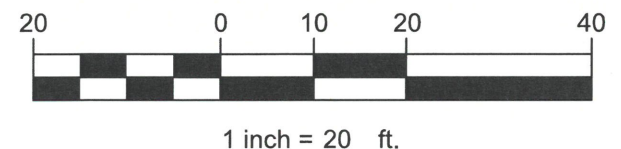
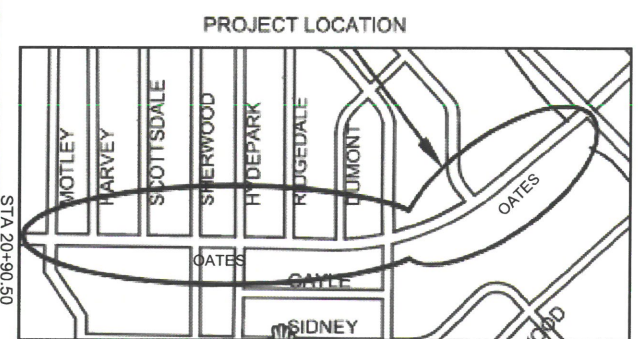


LEGEND	
	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
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	CURB RAMP
	FENCELINE



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 - THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UTILITIES AND PROTECTING ALL EXISTING UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES (811) AND MESQUITE UTILITIES (972-216-6940) TO ARRANGE FOR EXACT LOCATIONS AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
 - ANY VERTICAL ELEVATIONS SHOWN ON PLANS ARE BASED ON THE NAVD83 NETWORK.

- PROJECT NOTES:**
- CONSTRUCT NEW 5' WIDE SIDEWALK (6' WIDE AGAINST BACK OF CURB)
 - INSTALL A.D.A. COMPLIANT RAMPS AT LOCATIONS SHOWN. REFER TO DESIGN DETAIL SHEET
 - TIE NEW SIDEWALK TO EXISTING SIDEWALK OR OTHER EXISTING CONNECTION POINTS AS SHOWN AND REQUIRED
 - REMOVE AND REPLACE DRIVEWAY, REFER TO MESQUITE DESIGN DETAIL SHEET

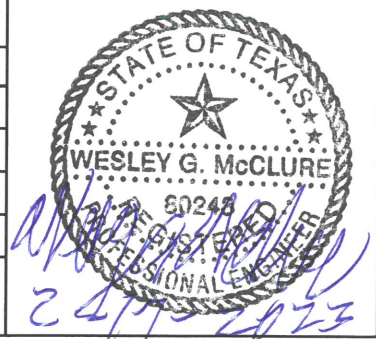


CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 20'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 14



Public
Works

OATES DR SOUTH (6) - SIDEWALKS

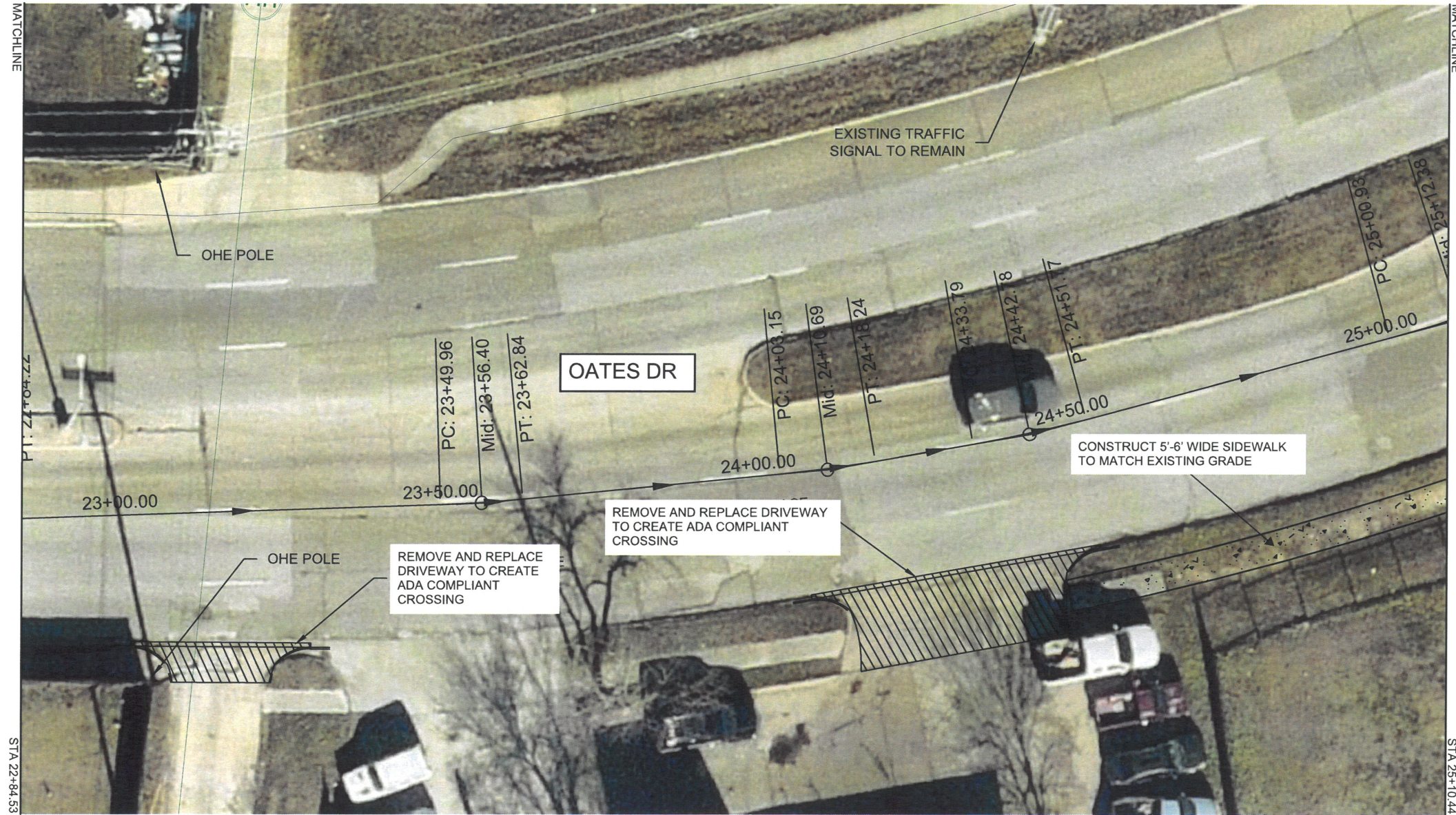




CAUTION
OVERHEAD AND UNDERGROUND
UTILITIES THROUGHOUT
PROJECT LOCATION

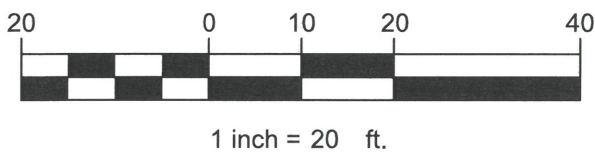
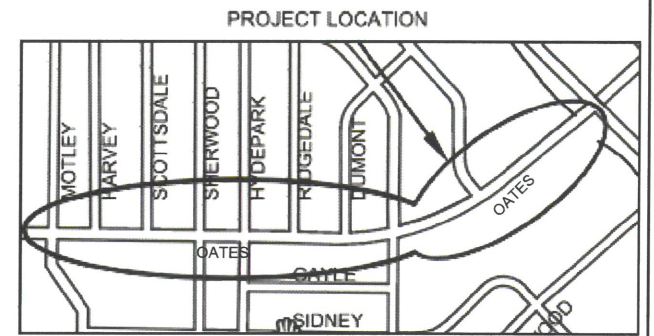


LEGEND	
	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
	BLOCK SODDING
	CURB
	CURB RAMP
	FENCELINE

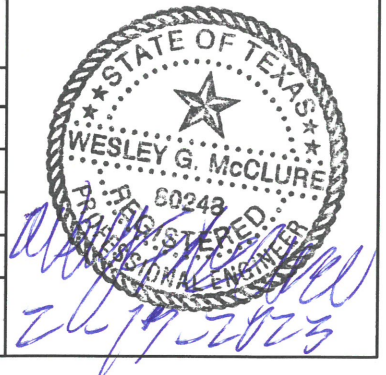


- GENERAL NOTES:**
- NO FRANCHISE UTILITIES HAVE BEEN LOCATED OR SHOWN ON THESE PLANS.
 - CONTRACTOR IS RESPONSIBLE FOR RELOCATION OF ANY SIGNS AND COORDINATION WITH THE CITY FOR ANY MODIFICATIONS.
 - THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. THE CITY ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN.
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 - ANY VERTICAL ELEVATIONS SHOWN ON PLANS ARE BASED ON THE NAVD83 NETWORK.

- PROJECT NOTES:**
- CONSTRUCT NEW 5' WIDE SIDEWALK (6' WIDE AGAINST BACK OF CURB)
 - INSTALL A.D.A. COMPLIANT RAMPS AT LOCATIONS SHOWN. REFER TO DESIGN DETAIL SHEET
 - TIE NEW SIDEWALK TO EXISTING SIDEWALK OR OTHER EXISTING CONNECTION POINTS AS SHOWN AND REQUIRED
 - REMOVE AND REPLACE DRIVEWAY, REFER TO MESQUITE DESIGN DETAIL SHEET



CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 20'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 15



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Works

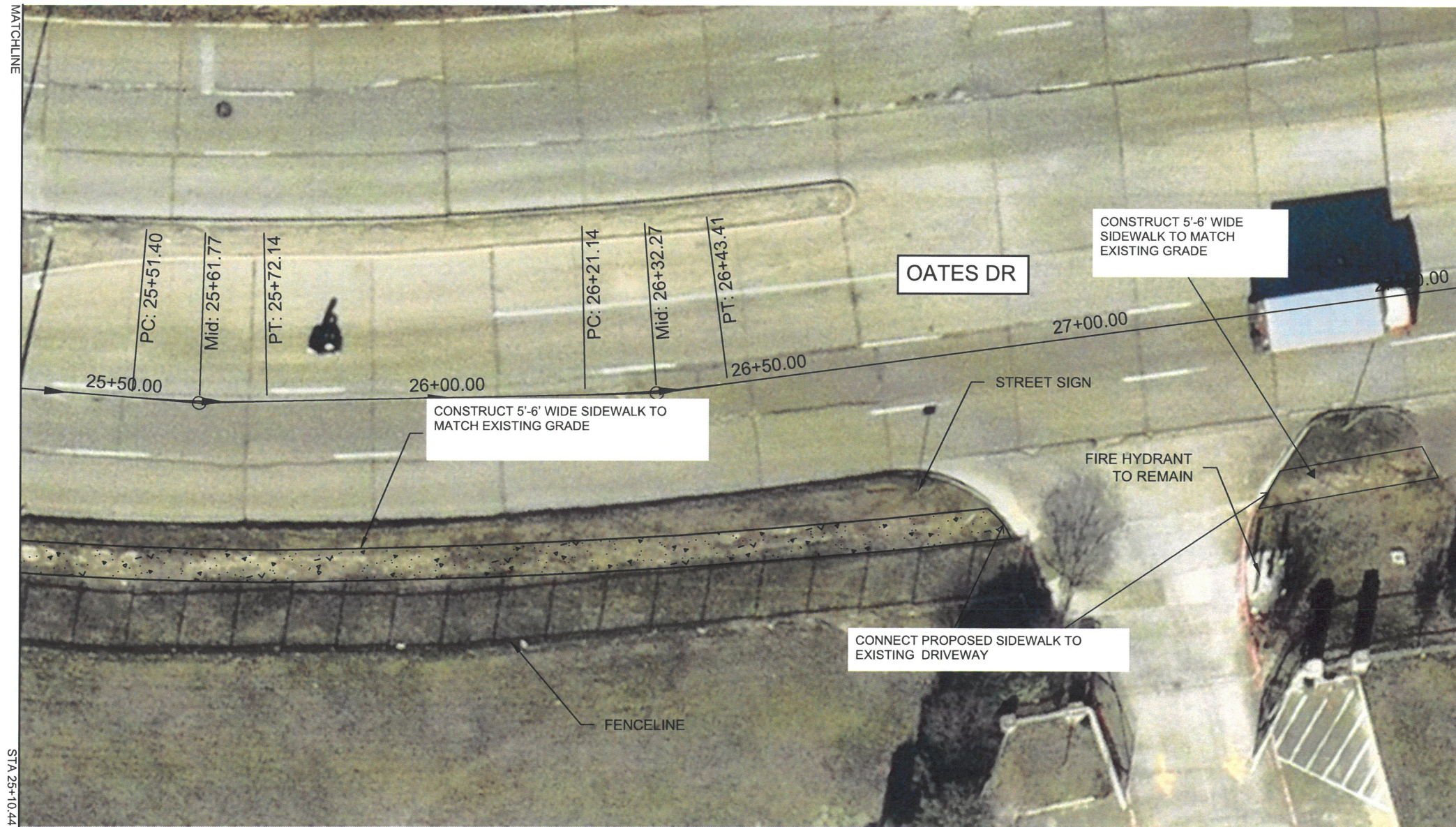
OATES DR SOUTH (7) - SIDEWALKS



CAUTION
OVERHEAD AND UNDERGROUND
UTILITIES THROUGHOUT
PROJECT LOCATION

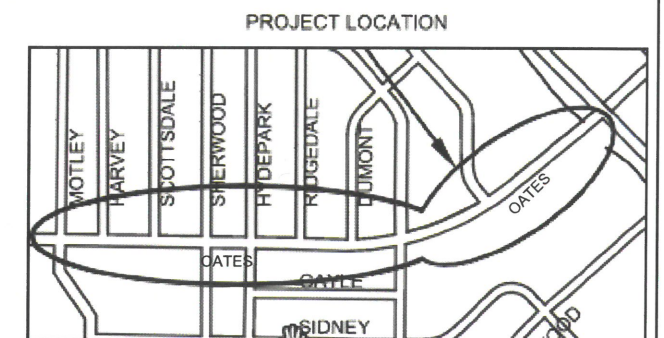


LEGEND	
	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
	BLOCK SODDING
	CURB
	CURB RAMP
	FENCELINE



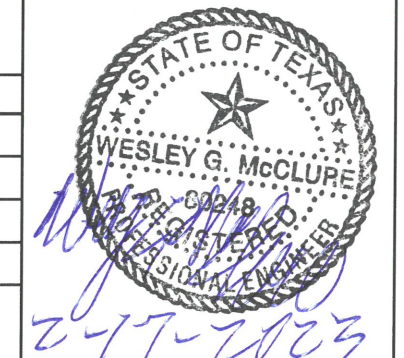
- GENERAL NOTES:**
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- PROJECT NOTES:**
- CONSTRUCT NEW 5' WIDE SIDEWALK (6' WIDE AGAINST BACK OF CURB)
 - INSTALL A.D.A. COMPLIANT RAMPS AT LOCATIONS SHOWN. REFER TO DESIGN DETAIL SHEET
 - TIE NEW SIDEWALK TO EXISTING SIDEWALK OR OTHER EXISTING CONNECTION POINTS AS SHOWN AND REQUIRED
 - REMOVE AND REPLACE DRIVEWAY, REFER TO MESQUITE DESIGN DETAIL SHEET



1 inch = 20 ft.

CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 20'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 16



Public
Works

OATES DR SOUTH (8) - SIDEWALKS



CAUTION
OVERHEAD AND UNDERGROUND
UTILITIES THROUGHOUT
PROJECT LOCATION

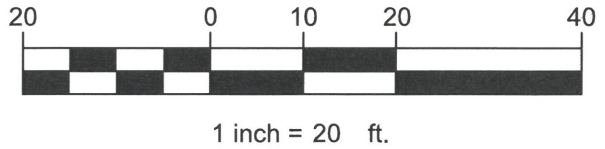
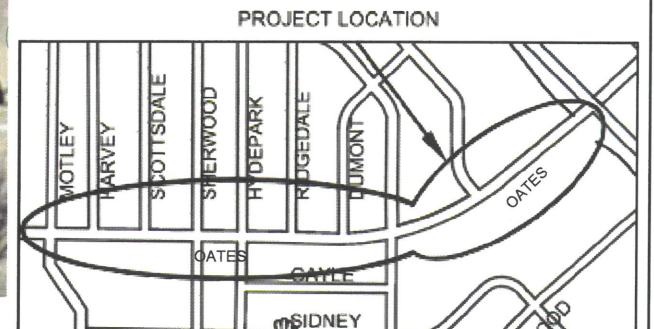


LEGEND	
	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
	BLOCK SODDING
	CURB
	CURB RAMP
	FENCELINE



- GENERAL NOTES:**
- NO FRANCHISE UTILITIES HAVE BEEN LOCATED OR SHOWN ON THESE PLANS.
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- PROJECT NOTES:**
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 - INSTALL A.D.A. COMPLIANT RAMPS AT LOCATIONS SHOWN. REFER TO DESIGN DETAIL SHEET
 - TIE NEW SIDEWALK TO EXISTING SIDEWALK OR OTHER EXISTING CONNECTION POINTS AS SHOWN AND REQUIRED
 - REMOVE AND REPLACE DRIVEWAY, REFER TO MESQUITE DESIGN DETAIL SHEET

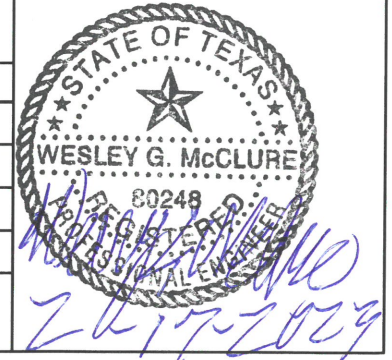


OATES DR SOUTH (9) - SIDEWALKS



Public Works

CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 20'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 17





CAUTION
OVERHEAD AND UNDERGROUND
UTILITIES THROUGHOUT
PROJECT LOCATION

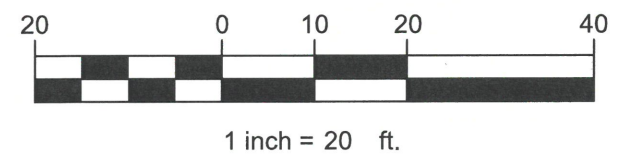
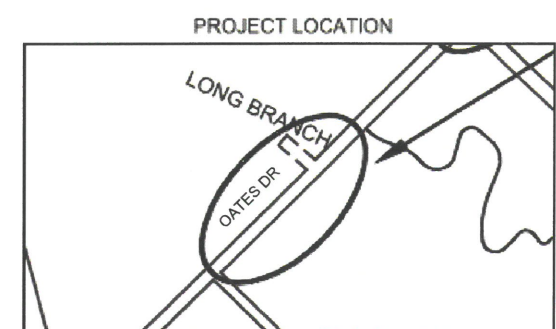


LEGEND	
	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
	BLOCK SODDING
	CURB
	CURB RAMP
	FENCELINE



- GENERAL NOTES:**
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- PROJECT NOTES:**
- CONSTRUCT NEW 5' WIDE SIDEWALK (6' WIDE AGAINST BACK OF CURB)
 - INSTALL A.D.A. COMPLIANT RAMPS AT LOCATIONS SHOWN. REFER TO DESIGN DETAIL SHEET
 - TIE NEW SIDEWALK TO EXISTING SIDEWALK OR OTHER EXISTING CONNECTION POINTS AS SHOWN AND REQUIRED
 - REMOVE AND REPLACE DRIVEWAY, REFER TO MESQUITE DESIGN DETAIL SHEET



Public
Works

OATES DR NORTH (1) - SIDEWALKS

CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 20'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 18

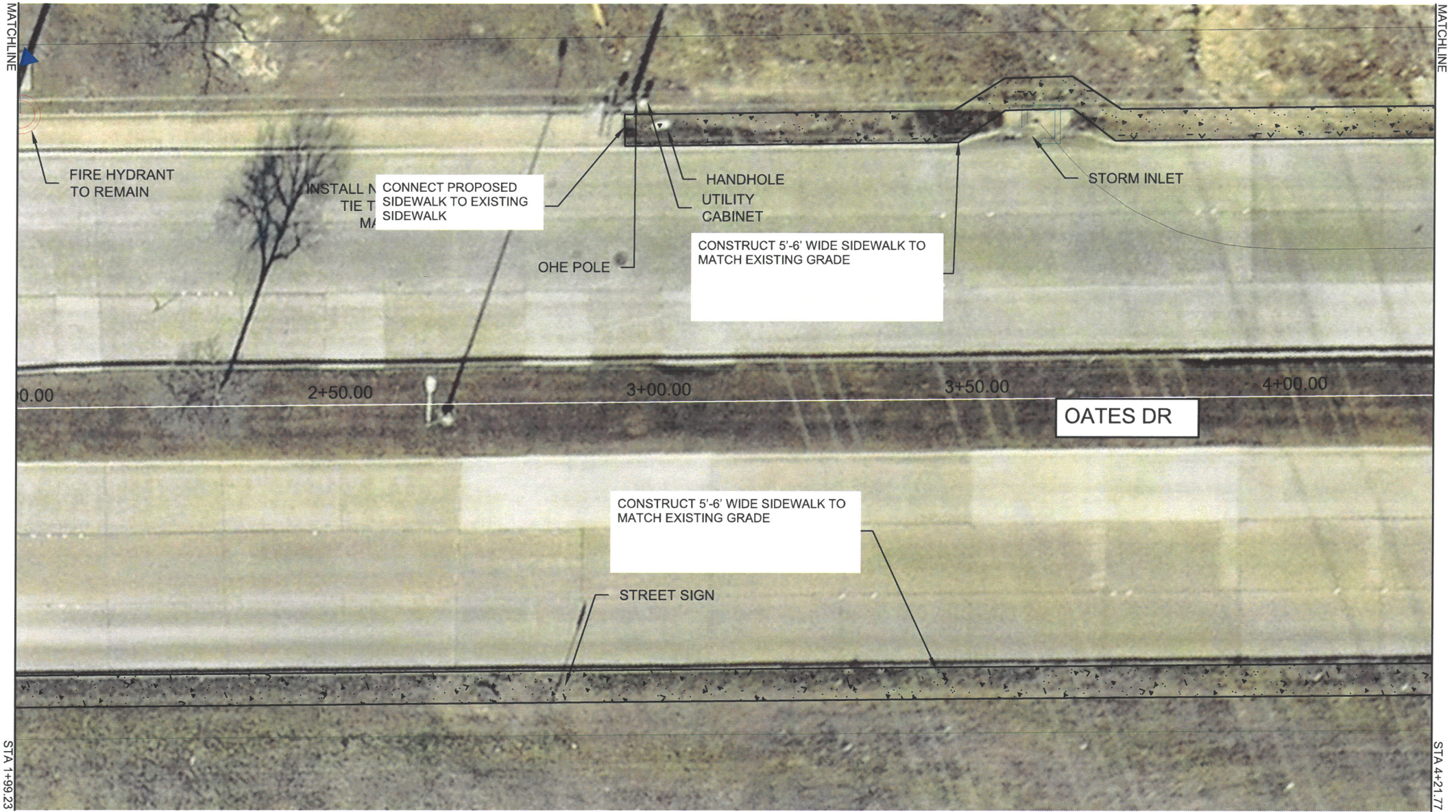




CAUTION
OVERHEAD AND UNDERGROUND
UTILITIES THROUGHOUT
PROJECT LOCATION



LEGEND	
	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
	BLOCK SODDING
	CURB
	CURB RAMP
	FENCELINE

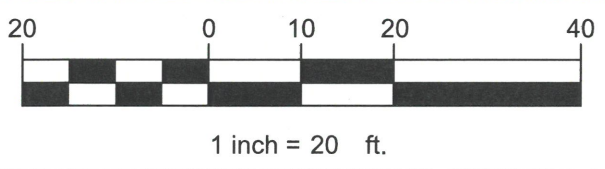
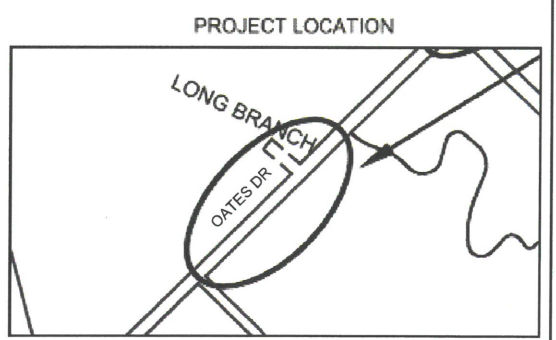


GENERAL NOTES:

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- ANY VERTICAL ELEVATIONS SHOWN ON PLANS ARE BASED ON THE NAVD83 NETWORK.

PROJECT NOTES:

- CONSTRUCT NEW 5' WIDE SIDEWALK (6' WIDE AGAINST BACK OF CURB)
- INSTALL A.D.A. COMPLIANT RAMP AT LOCATIONS SHOWN. REFER TO DESIGN DETAIL SHEET
- TIE NEW SIDEWALK TO EXISTING SIDEWALK OR OTHER EXISTING CONNECTION POINTS AS SHOWN AND REQUIRED
- REMOVE AND REPLACE DRIVEWAY, REFER TO MESQUITE DESIGN DETAIL SHEET

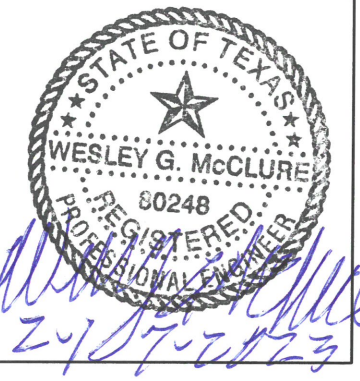


OATES DR NORTH (2) - SIDEWALKS



Public
Works

CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 20'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 19





CAUTION
OVERHEAD AND UNDERGROUND
UTILITIES THROUGHOUT
PROJECT LOCATION

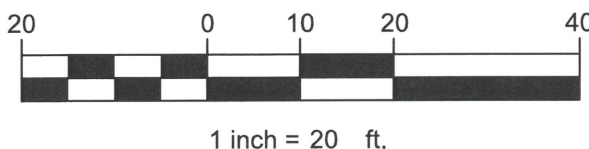
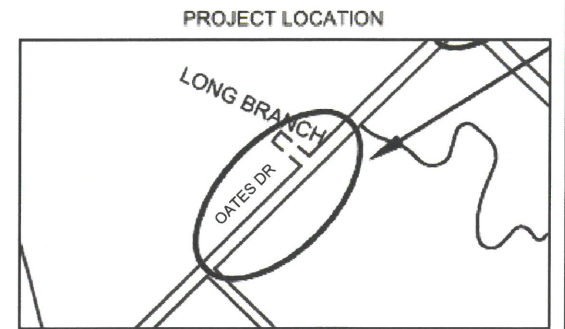


LEGEND	
	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
	BLOCK SODDING
	CURB
	CURB RAMP
	FENCELINE



- GENERAL NOTES:**
- NO FRANCHISE UTILITIES HAVE BEEN LOCATED OR SHOWN ON THESE PLANS.
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 - ANY VERTICAL ELEVATIONS SHOWN ON PLANS ARE BASED ON THE NAVD83 NETWORK.

- PROJECT NOTES:**
- CONSTRUCT NEW 5' WIDE SIDEWALK (6' WIDE AGAINST BACK OF CURB)
 - INSTALL A.D.A. COMPLIANT RAMP AT LOCATIONS SHOWN. REFER TO DESIGN DETAIL SHEET
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 - REMOVE AND REPLACE DRIVEWAY, REFER TO MESQUITE DESIGN DETAIL SHEET

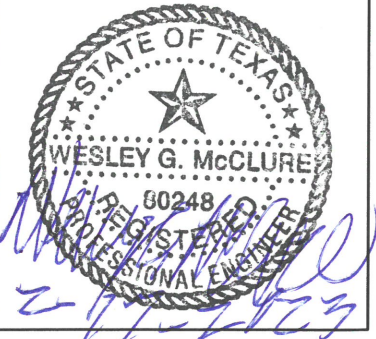


OATES DR NORTH (3) - SIDEWALKS



Public Works

CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 20'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 20





CAUTION
OVERHEAD AND UNDERGROUND
UTILITIES THROUGHOUT
PROJECT LOCATION



LEGEND	
	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
	BLOCK SODDING
	CURB
	CURB RAMP
	FENCELINE



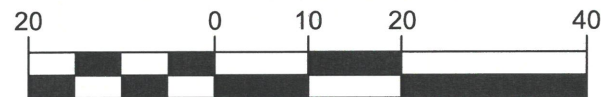
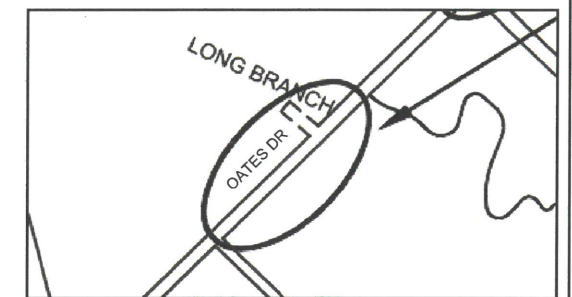
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PROJECT NOTES:

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PROJECT LOCATION



1 inch = 20 ft.



Public
Works

OATES DR NORTH (4) - SIDEWALKS

CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 20'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 21

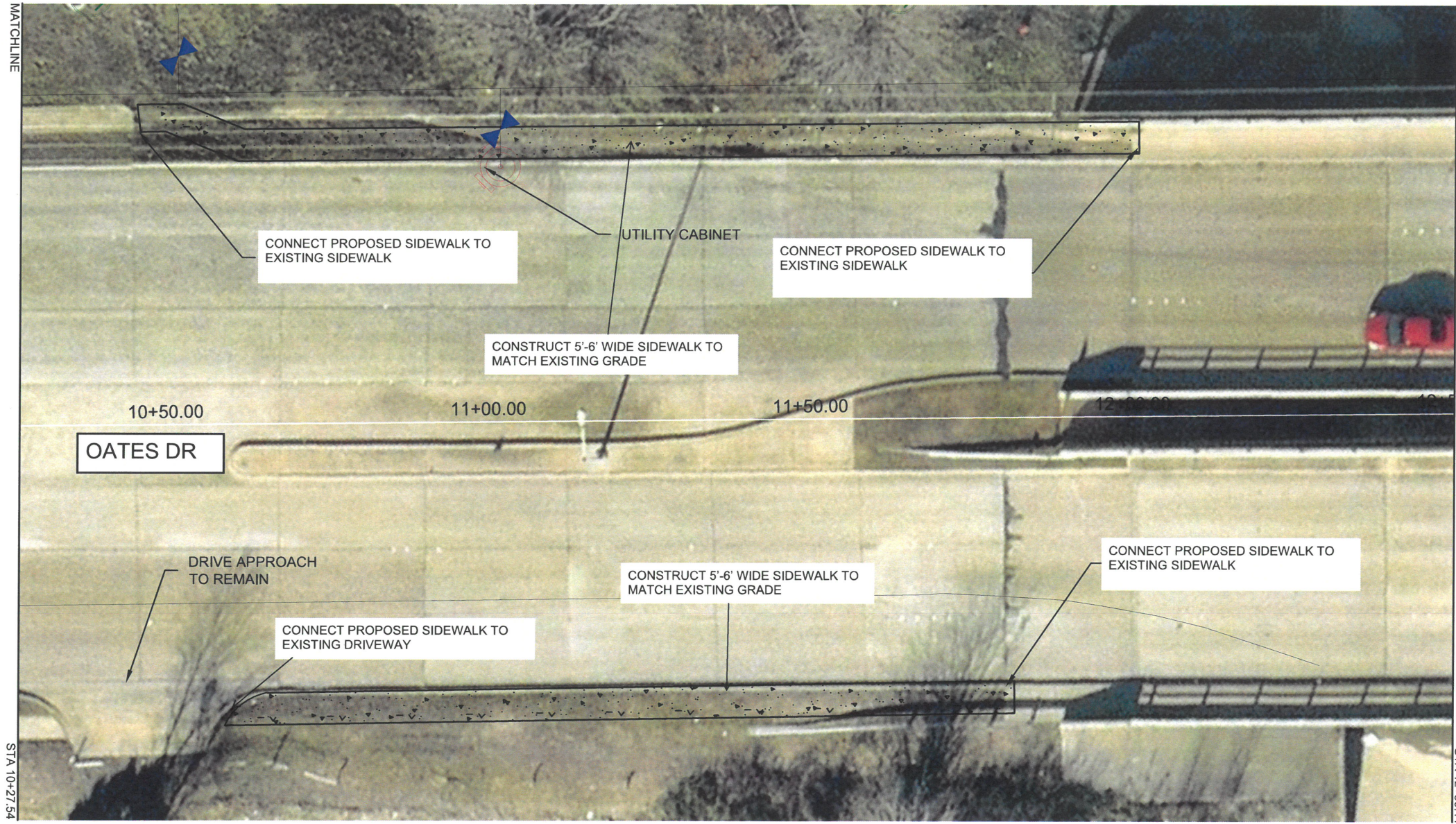




CAUTION
OVERHEAD AND UNDERGROUND
UTILITIES THROUGHOUT
PROJECT LOCATION

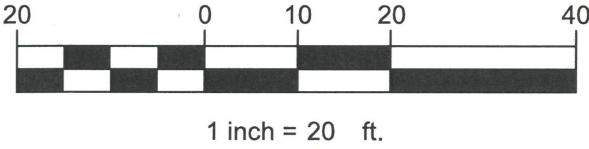
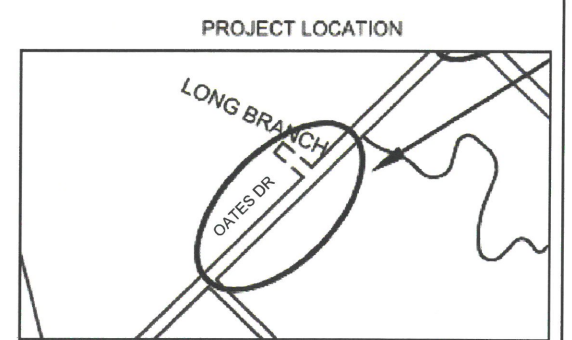


LEGEND	
	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
	BLOCK SODDING
	CURB
	CURB RAMP
	FENCELINE

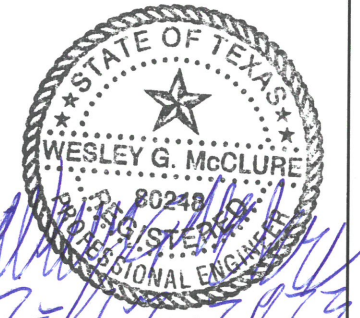


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- PROJECT NOTES:**
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CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 20'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 22



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Works

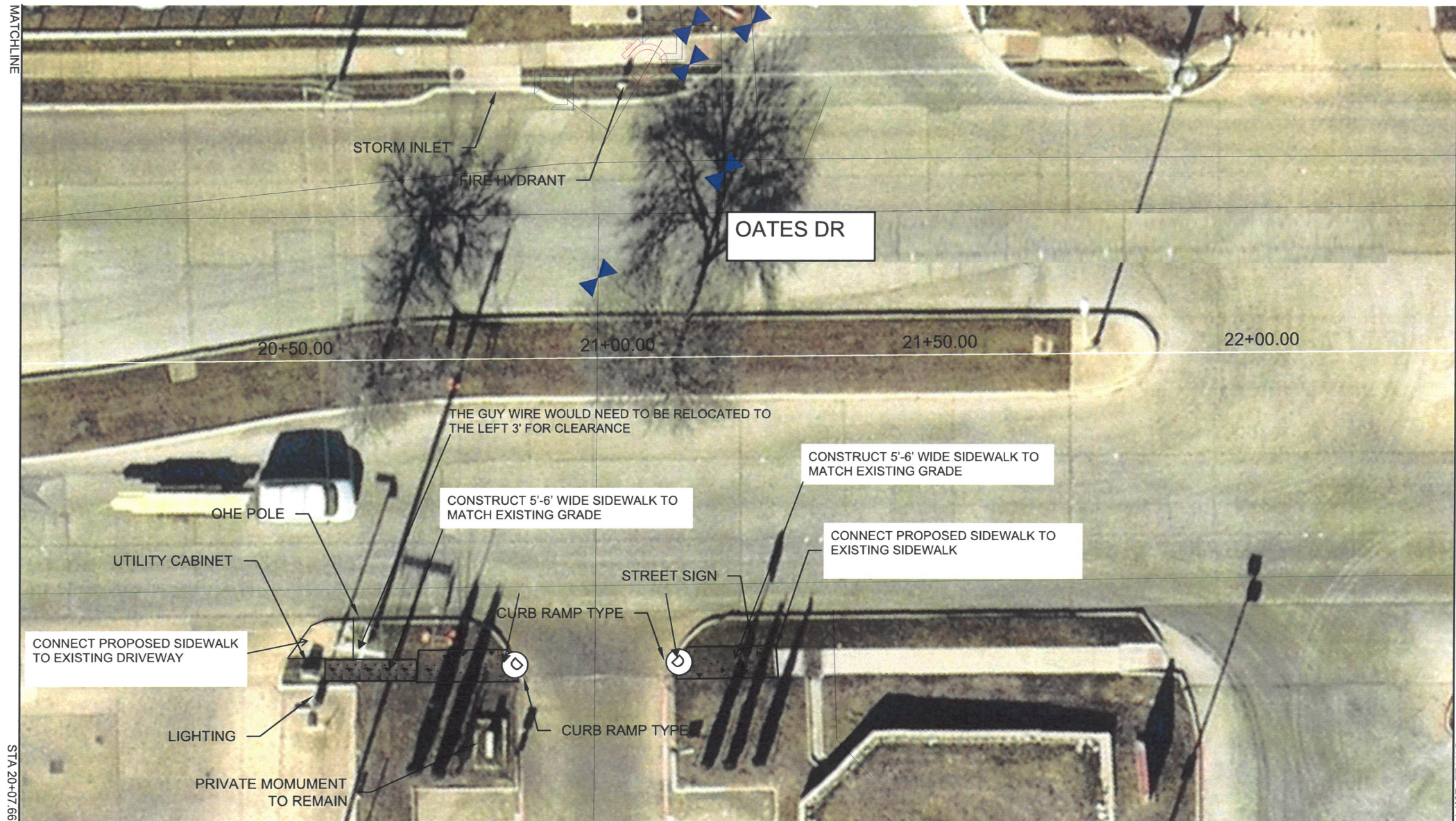
OATES DR NORTH (5) - SIDEWALKS



CAUTION
OVERHEAD AND UNDERGROUND
UTILITIES THROUGHOUT
PROJECT LOCATION

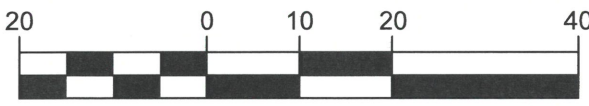
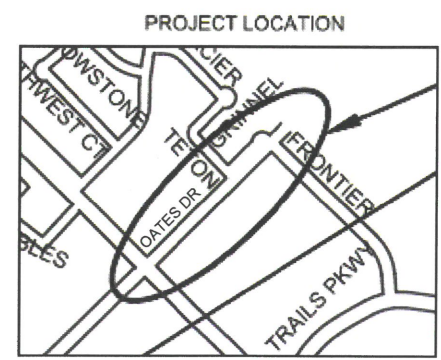


LEGEND	
	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
	BLOCK SODDING
	CURB
	CURB RAMP
	FENCELINE



- GENERAL NOTES:**
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 7. ANY VERTICAL ELEVATIONS SHOWN ON PLANS ARE BASED ON THE NAVD83 NETWORK.

- PROJECT NOTES:**
1. CONSTRUCT NEW 5' WIDE SIDEWALK (6' WIDE AGAINST BACK OF CURB)
 2. INSTALL A.D.A. COMPLIANT RAMPS AT LOCATIONS SHOWN. REFER TO DESIGN DETAIL SHEET
 3. TIE NEW SIDEWALK TO EXISTING SIDEWALK OR OTHER EXISTING CONNECTION POINTS AS SHOWN AND REQUIRED
 4. REMOVE AND REPLACE DRIVEWAY, REFER TO MESQUITE DESIGN DETAIL SHEET



Public Works

OATES DR NORTH (6) - SIDEWALKS

CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 20'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 23





CAUTION
OVERHEAD AND UNDERGROUND
UTILITIES THROUGHOUT
PROJECT LOCATION

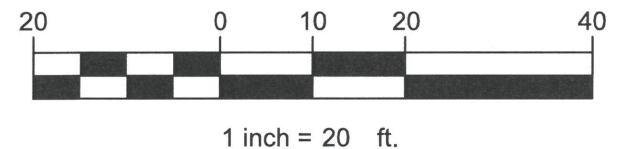
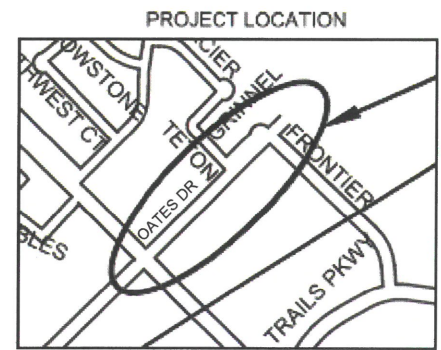


LEGEND	
	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
	BLOCK SODDING
	CURB
	CURB RAMP
	FENCELINE

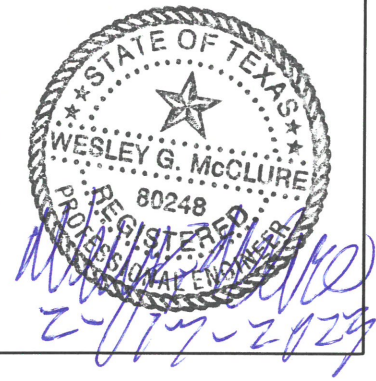


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CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 20'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 24



Public
Works

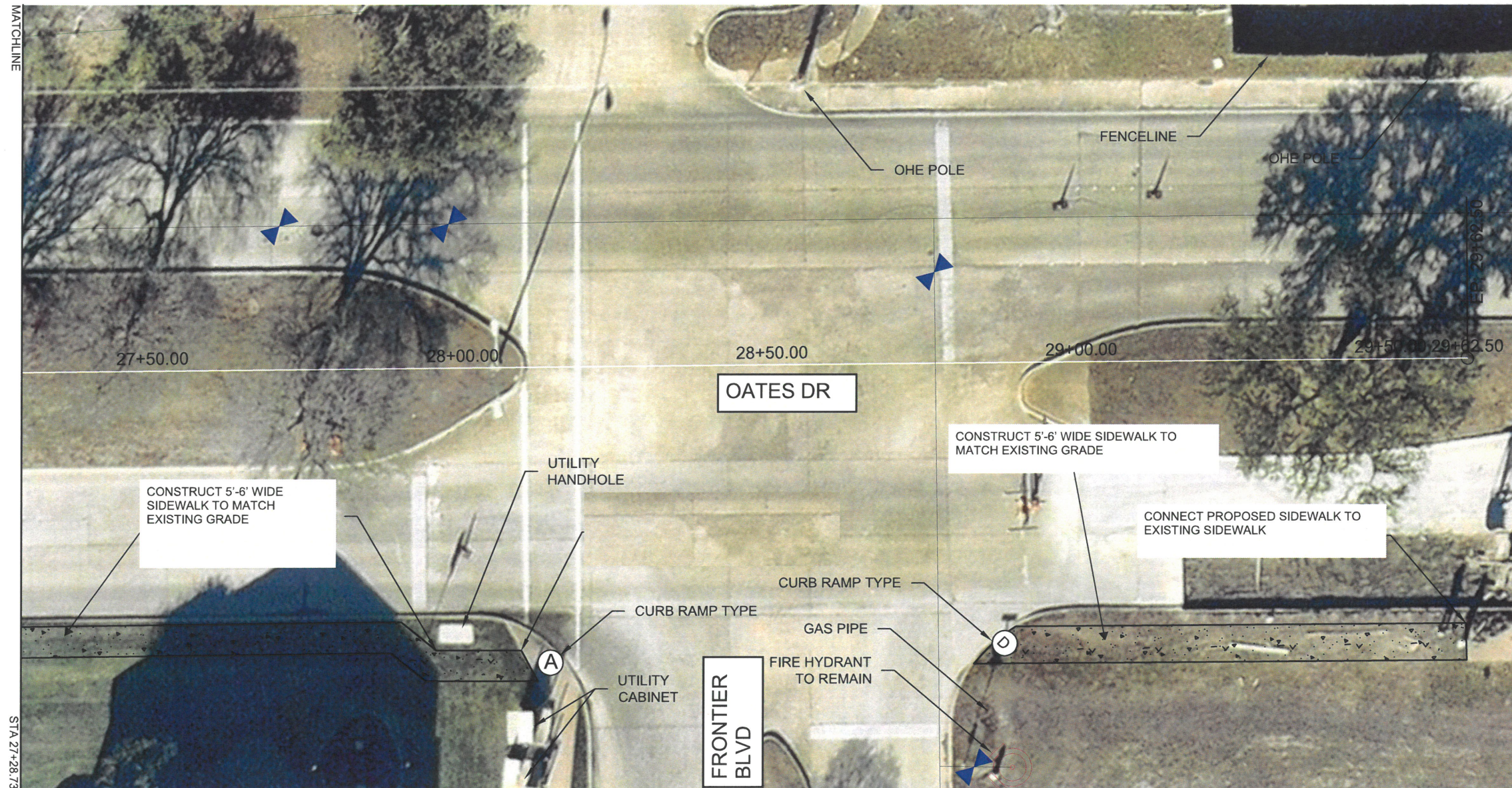
OATES DR NORTH (7) - SIDEWALKS



CAUTION
OVERHEAD AND UNDERGROUND
UTILITIES THROUGHOUT
PROJECT LOCATION

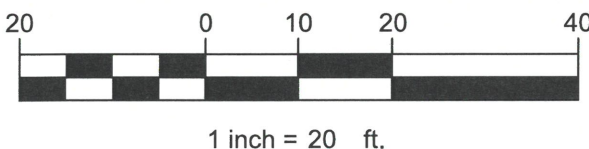
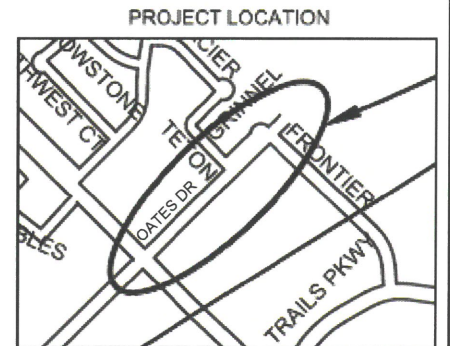


LEGEND	
	DRIVEWAY/ STREET APRON
	5' WIDE CONCRETE SIDEWALK
	BLOCK SODDING
	CURB
	CURB RAMP
	FENCELINE

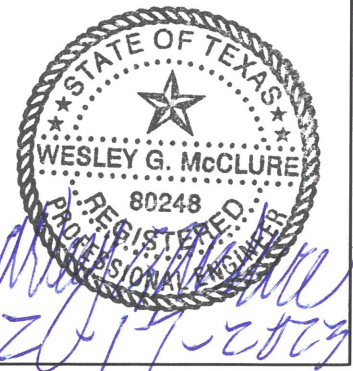


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CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 20'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 25



Public
Works

OATES DR NORTH (8) - SIDEWALKS



LEGEND

	DRIVEWAY/STREET APRON
	5' CONCRETE SIDEWALK
	- STOP SIGN
	- FIRE HYDRANT
	- MANHOLE COVER
	- SEWER MANHOLE COVER
	- GAS METER
	- WATER ACCESS
	- WATER METER
	- OVER HEAD UTILITY POLE
	- OVER HEAD UTILITY POLE
	- UTILITY POLE W/ STREET LIGHT
	- STREET LIGHT
	- NEW CURB RAMP
	- EMERGENCY NOTIFICATION SPEAKER
	- TRAFFIC SIGNAL

BEGIN DRIFTWOOD DR STA 00+18
 NORTHING = 6983891.21
 EASTING = 2540570.85

2/4
 REF MESQUITE STANDARD
 DETAIL P-18.

DRIFTWOOD DR STA 01+59
 NORTHING = 6983951.37
 EASTING = 2540694.02

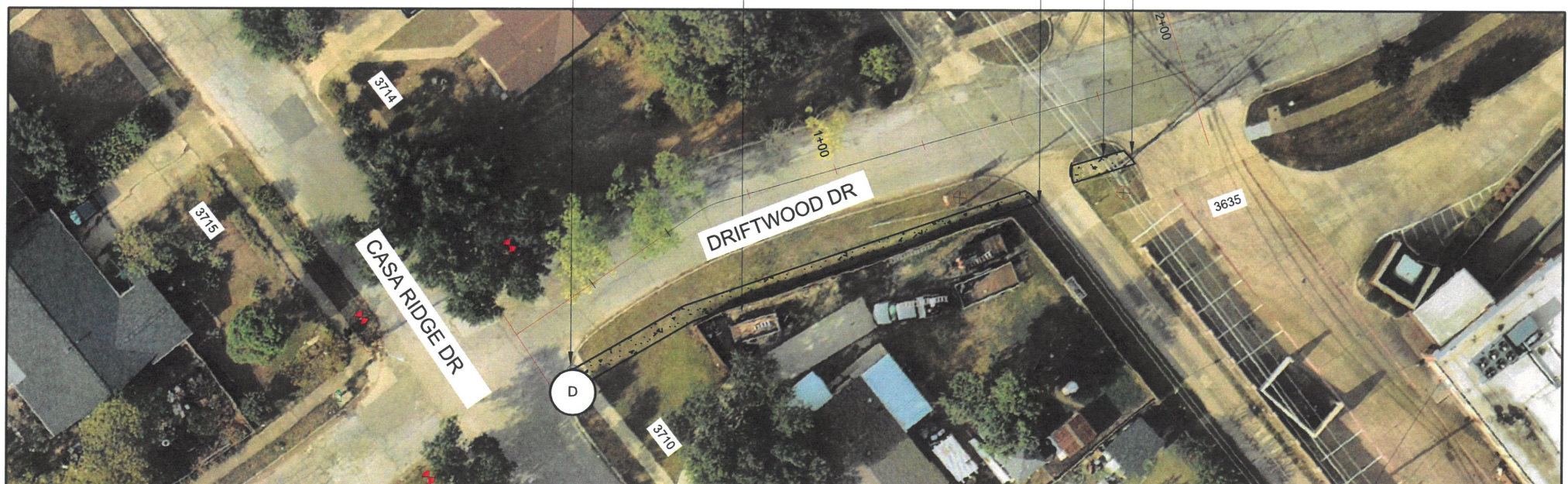
1/4
 SIDEWALK SECTION
 LENGTH 18 LF

END DRIFTWOOD DR STA 01+85
 NORTHING = 6983964.39
 EASTING = 2540719.29

3/4
 SIDEWALK SECTION
 LENGTH 133 LF

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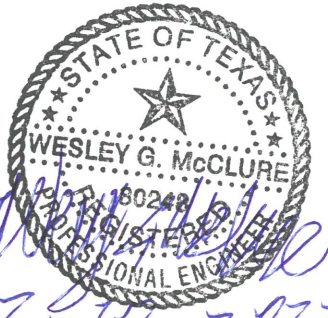
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DRIFTWOOD DRIVE: 1" = 40'



CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 40'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 26



Public Works

DRIFTWOOD DR - SIDEWALKS



LEGEND

- DRIVEWAY/STREET APRON
- 5' CONCRETE SIDEWALK
- STOP SIGN
- FIRE HYDRANT
- MANHOLE COVER
- SEWER MANHOLE COVER
- GAS METER
- WATER ACCESS
- WATER METER
- OVER HEAD UTILITY POLE
- OVER HEAD UTILITY POLE
- UTILITY POLE W/ STREET LIGHT
- STREET LIGHT
- NEW CURB RAMP
- EMERGENCY NOTIFICATION SPEAKER
- TRAFFIC SIGNAL

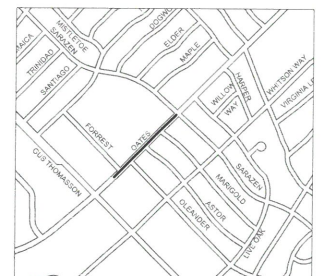
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PROJECT LOCATION



OATES DRIVE STA 1+18
NORTHING = 6987943.14
EASTING = 2538310.00

REF MESQUITE STANDARD
DETAIL P-19.

OATES DRIVE STA 1+13
NORTHING = 6987938.97
EASTING = 2538305.83

REF MESQUITE STANDARD
DETAIL SHEET P-19.

BEGIN OATES DRIVE STA 0+78
NORTHING = 6987910.70
EASTING = 2538281.64

OATES DRIVE STA 1+20
NORTHING = 6987941.57
EASTING = 2538312.60

DRIVE EASEMENT 20 SY

OATES DRIVE STA 1+31
NORTHING = 6987949.93
EASTING = 2538317.56

SIDEWALK SECTION
LENGTH 135 LF

OATES DRIVE STA 2+58
NORTHING = 6988040.90
EASTING = 2538406.56

REF MESQUITE STANDARD
DETAIL P-19.

OATES DRIVE STA 2+98
NORTHING = 6988067.81
EASTING = 2538434.24

REF MESQUITE STANDARD
DETAIL P-19.

SIDEWALK SECTION
LENGTH 127 LF

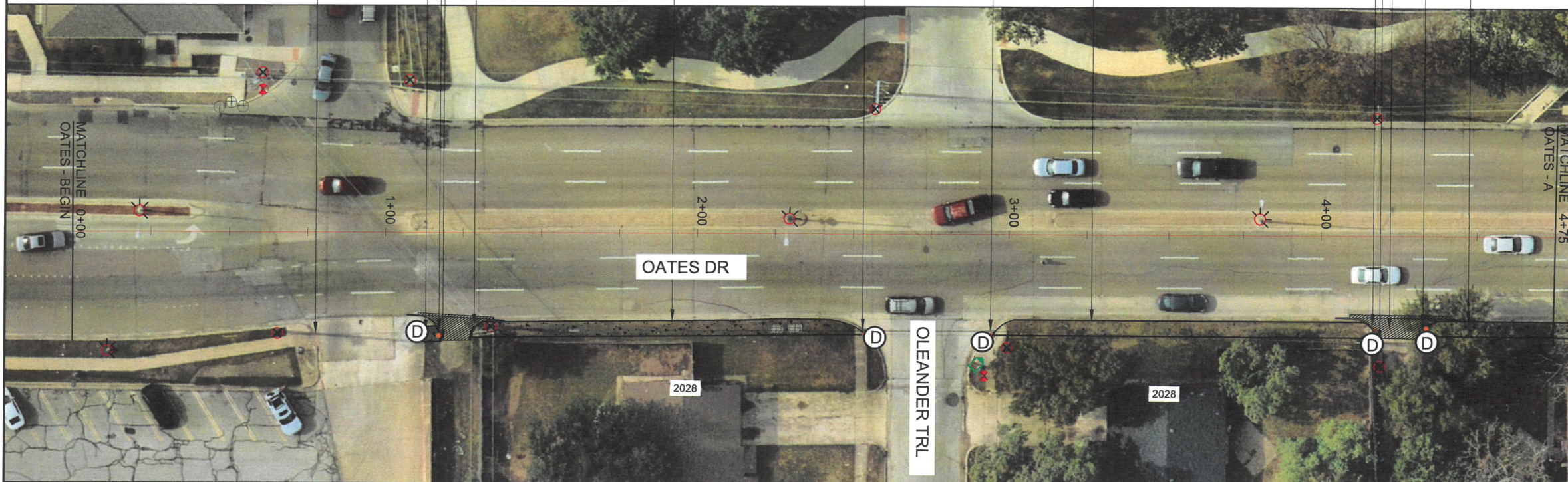
REF MESQUITE STANDARD
DETAIL P-19.

OATES DRIVE STA 4+21
NORTHING = 6988164.27
EASTING = 2538517.63

DRIVE EASEMENT 26 SY

REF MESQUITE STANDARD
DETAIL P-19.

SIDEWALK SECTION
LENGTH 45 LF TO
MATCHLINE



OATES DRIVE: 1" = 40'

CDBG 2023
SIDEWALK IMPROVEMENT PROJECT
CITY CONTRACT #2023-008

SCALE - 1" = 40'

DRAWN BY:

REVISIONS

DATE
2/17/2023

SHEET: 27

MESQUITE
TEXAS
Real. Texas. Service.

Public
Works

OATES DRIVE (1) - SIDEWALKS



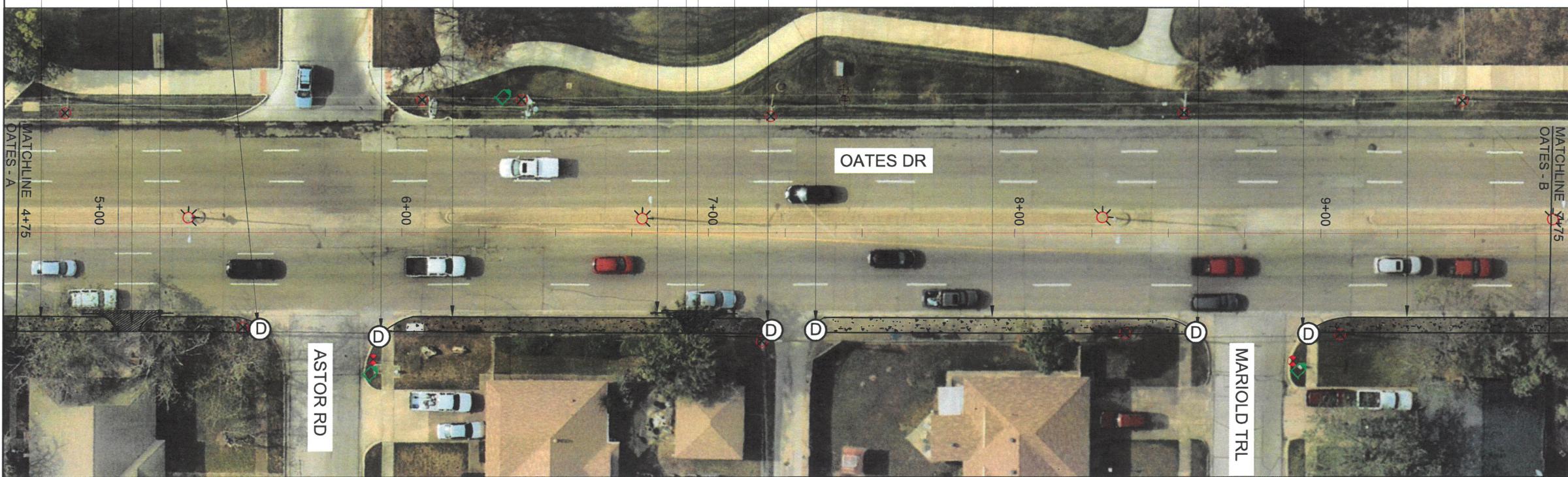
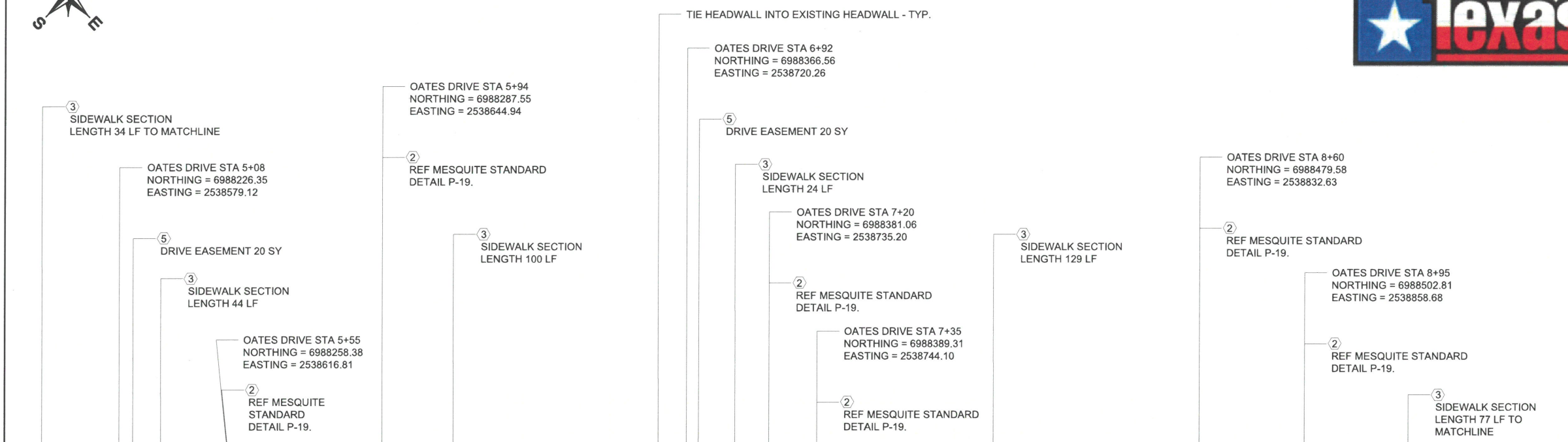


LEGEND

	DRIVEWAY/STREET APRON
	5' CONCRETE SIDEWALK
	- STOP SIGN
	- FIRE HYDRANT
	- MANHOLE COVER
	- SEWER MANHOLE COVER
	- GAS METER
	- WATER ACCESS
	- WATER METER
	- OVER HEAD UTILITY POLE
	- OVER HEAD UTILITY POLE
	- UTILITY POLE W/ STREET LIGHT
	- STREET LIGHT
	- NEW CURB RAMP
	- EMERGENCY NOTIFICATION SPEAKER
	- TRAFFIC SIGNAL

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OATES DRIVE: 1" = 40'

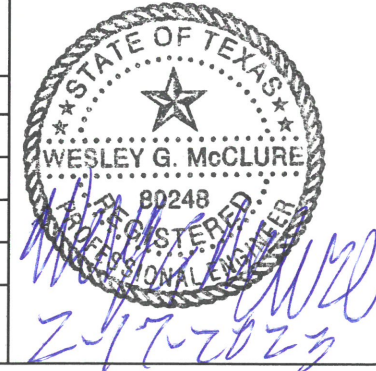
CDBG 2023
 SIDEWALK IMPROVEMENT PROJECT
 CITY CONTRACT #2023-008

SCALE - 1" = 40'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 28



Public Works

OATES DRIVE (2) - SIDEWALKS





LEGEND

	DRIVEWAY/STREET APRON
	5' CONCRETE SIDEWALK
	- STOP SIGN
	- FIRE HYDRANT
	- MANHOLE COVER
	- SEWER MANHOLE COVER
	- GAS METER
	- WATER ACCESS
	- WATER METER
	- OVER HEAD UTILITY POLE
	- OVER HEAD UTILITY POLE
	- UTILITY POLE W/ STREET LIGHT
	- STREET LIGHT
	- NEW CURB RAMP
	- EMERGENCY NOTIFICATION SPEAKER
	- TRAFFIC SIGNAL

③ SIDEWALK SECTION
LENGTH 49 LF TO MATCHLINE

OATES DRIVE STA 10+20
NORTHING = 6988301.37
EASTING = 2538945.52

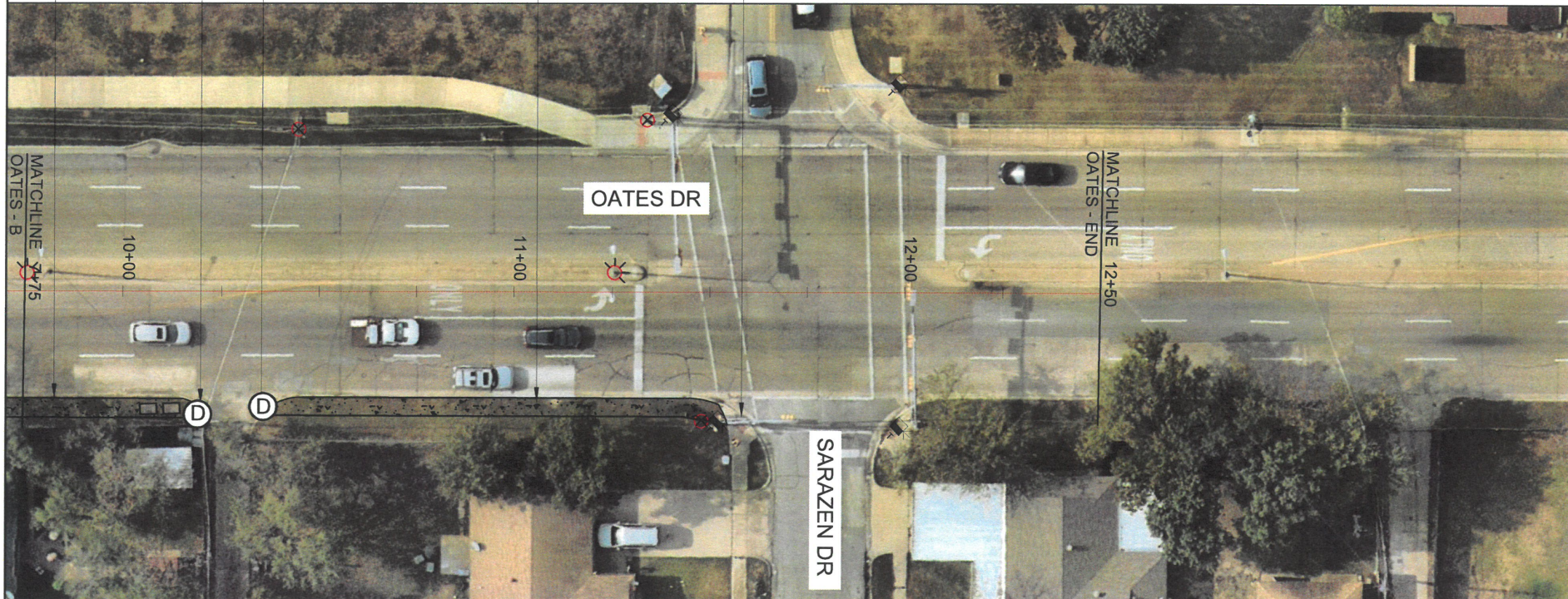
② REF MESQUITE STANDARD
DETAIL P-19.

OATES DRIVE STA 10+35
NORTHING = 6988226.35
EASTING = 2538945.52

② REF MESQUITE STANDARD
DETAIL P-19.

③ SIDEWALK SECTION
LENGTH 124 LF

END OATES DRIVE STA 11+59
NORTHING = 6988697.19
EASTING = 2539045.87



OATES DRIVE: 1" = 40'

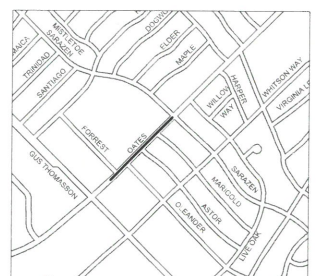
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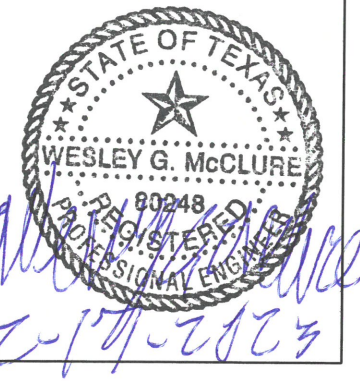
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PROJECT LOCATION



CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 40"	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 29



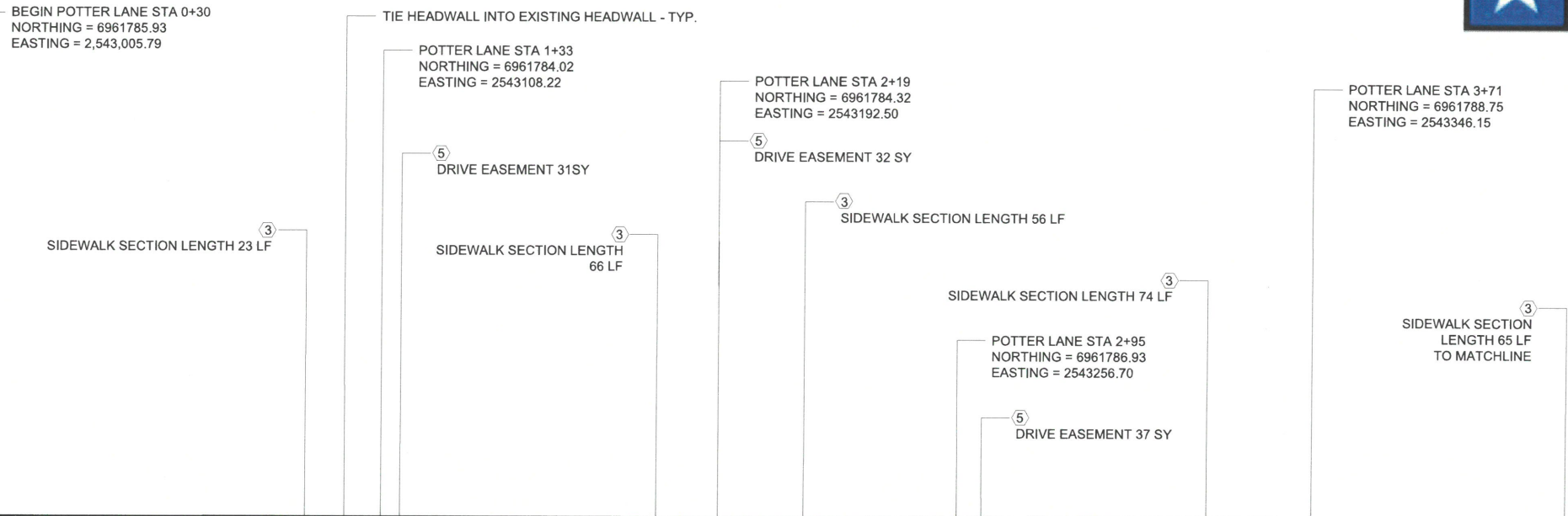
Public Works

OATES DRIVE (3) - SIDEWALKS



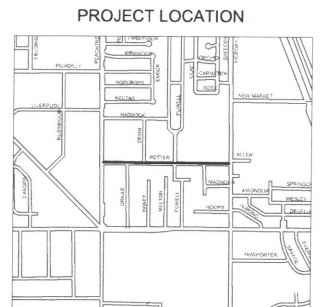
LEGEND

	DRIVEWAY/STREET APRON
	8' CONCRETE SIDEWALK
	- STOP SIGN
	- FIRE HYDRANT
	- MANHOLE COVER
	- SEWER MANHOLE COVER
	- GAS METER
	- WATER ACCESS
	- WATER METER
	- OVER HEAD UTILITY POLE
	- OVER HEAD UTILITY POLE
	- UTILITY POLE W/ STREET LIGHT
	- STREET LIGHT
	- NEW CURB RAMP
	- EMERGENCY NOTIFICATION SPEAKER
	- TRAFFIC SIGNAL



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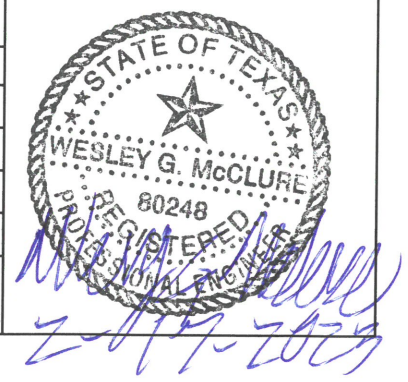


POTTER LANE: 1" = 40'

CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 40'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 30

Public Works

POTTER LANE (1) - SIDEWALKS (PEACHTREE TO ERWIN 1)



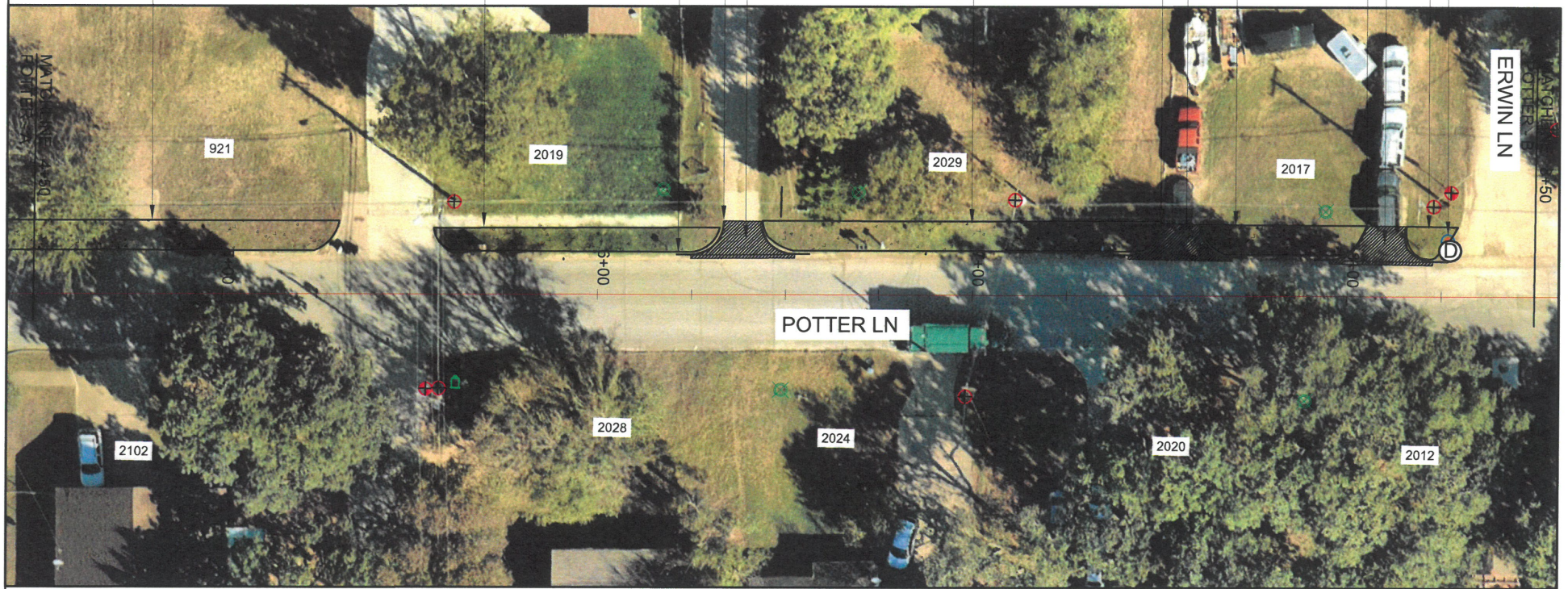
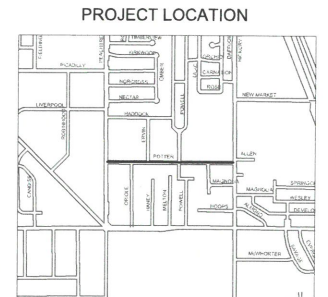


LEGEND

	DRIVEWAY/STREET APRON
	8' CONCRETE SIDEWALK
	- STOP SIGN
	- FIRE HYDRANT
	- MANHOLE COVER
	- SEWER MANHOLE COVER
	- GAS METER
	- WATER ACCESS
	- WATER METER
	- OVER HEAD UTILITY POLE
	- OVER HEAD UTILITY POLE
	- UTILITY POLE W/ STREET LIGHT
	- STREET LIGHT
	- NEW CURB RAMP
	- EMERGENCY NOTIFICATION SPEAKER
	- TRAFFIC SIGNAL

- GENERAL NOTES:**
- NO FRANCHISE UTILITIES HAVE BEEN LOCATED OR SHOWN ON THESE PLANS.
 - CONTRACTOR IS RESPONSIBLE FOR RELOCATION OF ANY SIGNS AND COORDINATION WITH THE CITY FOR ANY MODIFICATIONS.
 - THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. THE CITY ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN.
 - SERVICE LOCATIONS HAVE NOT BEEN LOCATED AND ARE SHOWN SCHEMATICALLY ON PLANS. CONTRACTOR SHALL FIELD VERIFY.
 - THE CONTRACTOR SHALL DETERMINE DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO EXCAVATION AND SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT ALL LINES SHOWN.
 - THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UTILITIES AND PROTECTING ALL EXISTING UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES (811) AND MESQUITE UTILITIES (972-216-8940) TO ARRANGE FOR EXACT LOCATIONS AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
 - ANY VERTICAL ELEVATIONS SHOWN ON PLANS ARE BASED ON THE NAVD83 NETWORK.

- PROJECT NOTES:**
- CONSTRUCT NEW 5' WIDE SIDEWALK (6' WIDE AGAINST BACK OF CURB)
 - INSTALL A.D.A. COMPLIANT RAMPS AT LOCATIONS SHOWN. REFER TO DESIGN DETAIL SHEET
 - TIE NEW SIDEWALK TO EXISTING SIDEWALK OR OTHER EXISTING CONNECTION POINTS AS SHOWN AND REQUIRED
 - REMOVE AND REPLACE DRIVEWAY. REFER TO MESQUITE DESIGN DETAIL SHEET



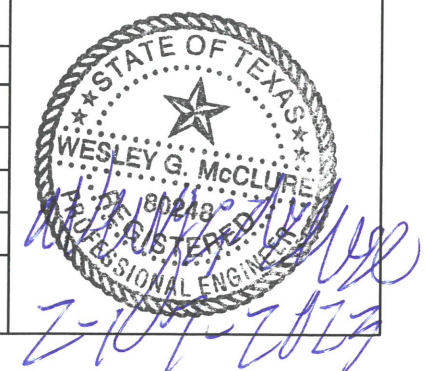
POTTER LANE: 1" = 40'



Public Works

POTTER LANE (2) - SIDEWALKS (PEACHTREE TO ERWIN 2)

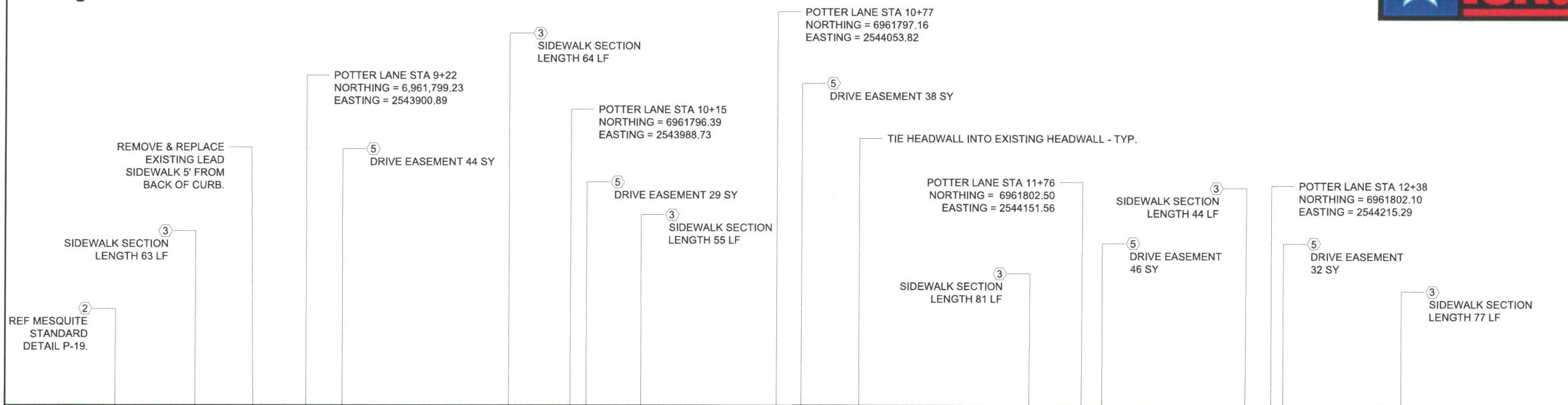
CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 40'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 31





LEGEND

	DRIVEWAY/STREET APRON
	8" CONCRETE SIDEWALK
	- STOP SIGN
	- FIRE HYDRANT
	- MANHOLE COVER
	- SEWER MANHOLE COVER
	- GAS METER
	- WATER ACCESS
	- WATER METER
	- OVER HEAD UTILITY POLE
	- OVER HEAD UTILITY POLE
	- UTILITY POLE W/ STREET LIGHT
	- STREET LIGHT
	- NEW CURB RAMP
	- EMERGENCY NOTIFICATION SPEAKER
	- TRAFFIC SIGNAL



- GENERAL NOTES:**
- NO FRANCHISE UTILITIES HAVE BEEN LOCATED OR SHOWN ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR RELOCATION OF ANY SIGNS AND COORDINATION WITH THE CITY FOR ANY MODIFICATIONS.
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 - ANY VERTICAL ELEVATIONS SHOWN ON PLANS ARE BASED ON THE NAVD83 NETWORK.

- PROJECT NOTES:**
- CONSTRUCT NEW 5' WIDE SIDEWALK (6' WIDE AGAINST BACK OF CURB)
 - INSTALL A.D.A. COMPLIANT RAMPS AT LOCATIONS SHOWN, REFER TO DESIGN DETAIL SHEET
 - TIE NEW SIDEWALK TO EXISTING SIDEWALK OR OTHER EXISTING CONNECTION POINTS AS SHOWN AND REQUIRED
 - REMOVE AND REPLACE DRIVEWAY, REFER TO MESQUITE DESIGN DETAIL SHEET



POTTER LANE: 1" = 40'

CDBG 2023
SIDEWALK IMPROVEMENT PROJECT
CITY CONTRACT #2023-008

SCALE - 1" = 40' DRAWN BY:

REVISIONS

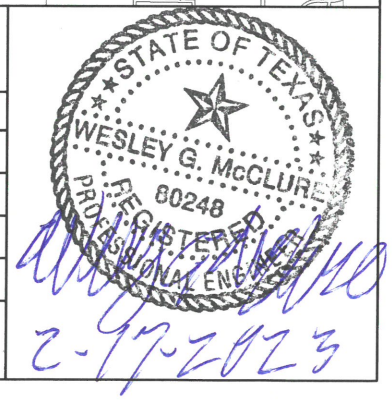
DATE
2/17/2023

SHEET: 32



Public Works

POTTER LANE (3) - SIDEWALKS
(ERWIN TO POWELL 1)





LEGEND

	DRIVEWAY/STREET APRON
	8' CONCRETE SIDEWALK
	- STOP SIGN
	- FIRE HYDRANT
	- MANHOLE COVER
	- SEWER MANHOLE COVER
	- GAS METER
	- GAS METER
	- WATER ACCESS
	- WATER METER
	- OVER HEAD UTILITY POLE
	- OVER HEAD UTILITY POLE
	- UTILITY POLE W/ STREET LIGHT
	- STREET LIGHT
	- NEW CURB RAMP
	- EMERGENCY NOTIFICATION SPEAKER
	- TRAFFIC SIGNAL

POTTER LANE STA 13+76
NORTHING = 6961804.96
EASTING = 2544354.95

⑤ DRIVE EASEMENT 29 SY

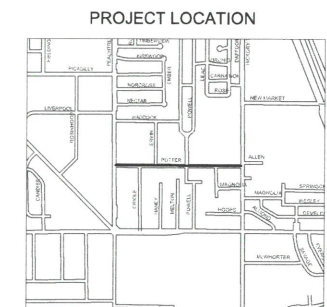
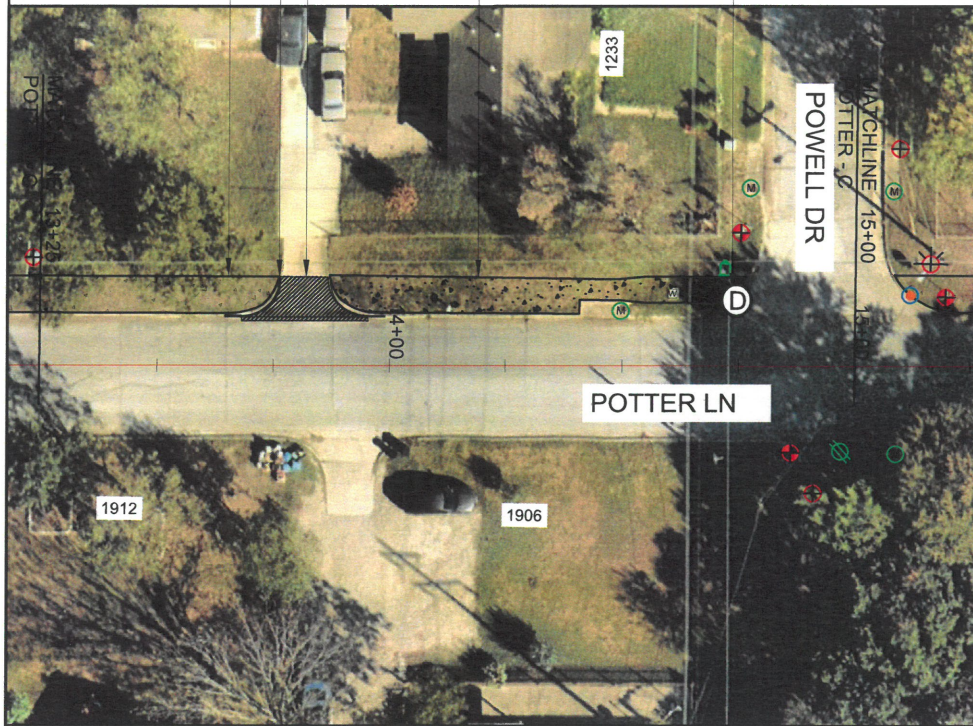
③ SIDEWALK SECTION
LENGTH 90 LF

② REF MESQUITE STANDARD
DETAIL P-19.

③ SIDEWALK SECTION
LENGTH 52 LF
TO MATCHLINE

- GENERAL NOTES:**
- NO FRANCHISE UTILITIES HAVE BEEN LOCATED OR SHOWN ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR RELOCATION OF ANY SIGNS AND COORDINATION WITH THE CITY FOR ANY MODIFICATIONS.
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 - REMOVE AND REPLACE DRIVEWAY, REFER TO MESQUITE DESIGN DETAIL SHEET



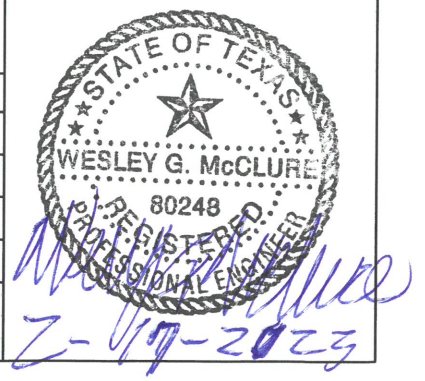
POTTER LANE: 1" = 40'



Public Works

POTTER LANE (4) - SIDEWALKS (ERWIN TO POWELL 2)

CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 40'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 33





LEGEND	
	DRIVEWAY/STREET APRON
	8' CONCRETE SIDEWALK
	- STOP SIGN
	- FIRE HYDRANT
	- MANHOLE COVER
	- SEWER MANHOLE COVER
	- GAS METER
	- WATER ACCESS
	- WATER METER
	- OVER HEAD UTILITY POLE
	- OVER HEAD UTILITY POLE
	- UTILITY POLE W/ STREET LIGHT
	- STREET LIGHT
	- NEW CURB RAMP
	- EMERGENCY NOTIFICATION SPEAKER
	- TRAFFIC SIGNAL

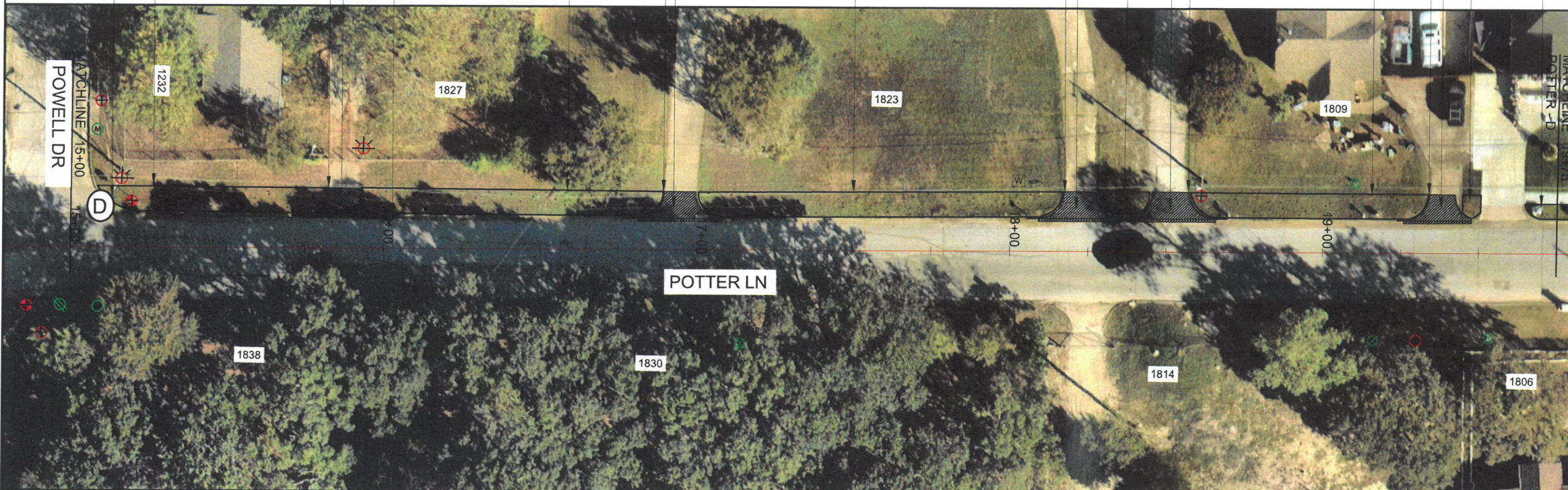
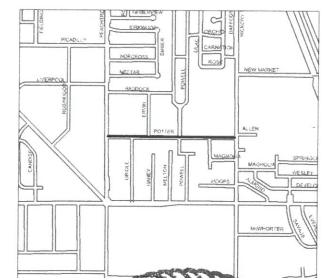
GENERAL NOTES:

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PROJECT NOTES:

- CONSTRUCT NEW 5' WIDE SIDEWALK (6' WIDE AGAINST BACK OF CURB)
- INSTALL A.D.A. COMPLIANT RAMPS AT LOCATIONS SHOWN. REFER TO DESIGN DETAIL SHEET
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PROJECT LOCATION



POTTER LANE: 1" = 40'

CDBG 2023
SIDEWALK IMPROVEMENT PROJECT
CITY CONTRACT #2023-008

SCALE - 1" = 40'

DRAWN BY:

REVISIONS

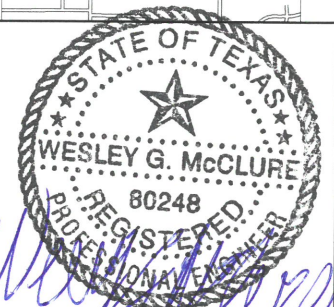
DATE
2/17/2023

SHEET: 34

MESQUITE
TEXAS
Real. Texas. Service.

Public
Works

**POTTER LANE (5) -SIDEWALKS
(POWELL TO RODEO CTR BLVD 1)**



Wesley G. McClure
2-17-2023

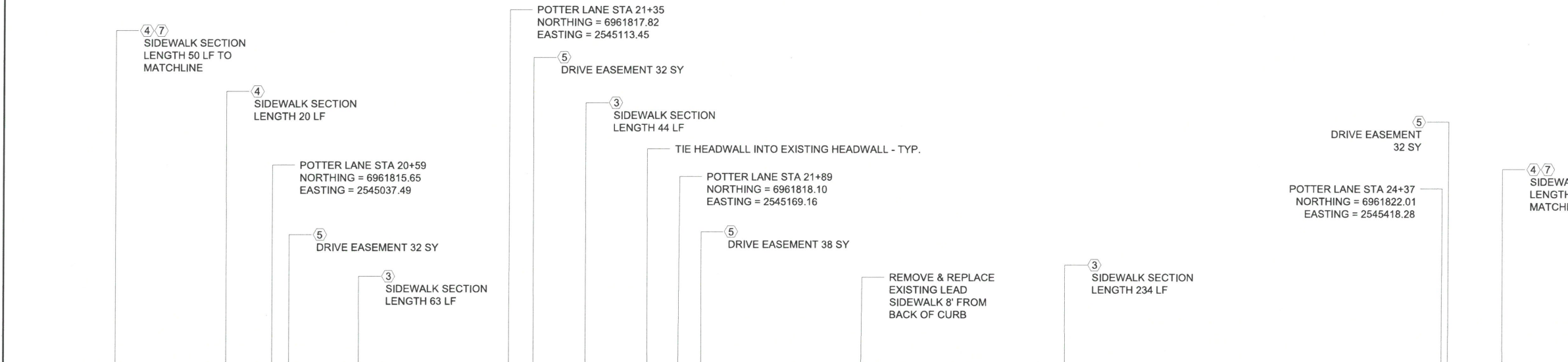


LEGEND

	DRIVEWAY/STREET APRON
	8' CONCRETE SIDEWALK
	- STOP SIGN
	- FIRE HYDRANT
	- MANHOLE COVER
	- SEWER MANHOLE COVER
	- GAS METER
	- WATER ACCESS
	- WATER METER
	- OVER HEAD UTILITY POLE
	- OVER HEAD UTILITY POLE
	- UTILITY POLE W/ STREET LIGHT
	- STREET LIGHT
	- NEW CURB RAMP
	- EMERGENCY NOTIFICATION SPEAKER
	- TRAFFIC SIGNAL

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- PROJECT NOTES:**
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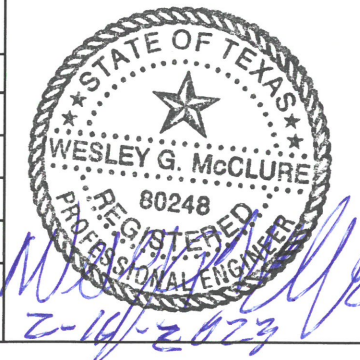
POTTER LANE: 1" = 40'

CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 40'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 35



Public Works

POTTER LANE (6) - SIDEWALKS (POWELL TO RODEO CTR BLVD 2)





LEGEND

- DRIVEWAY/STREET APRON
- 8" CONCRETE SIDEWALK
- STOP SIGN
- FIRE HYDRANT
- MANHOLE COVER
- SEWER MANHOLE COVER
- GAS METER
- WATER METER
- OVER HEAD UTILITY POLE
- OVER HEAD UTILITY POLE
- UTILITY POLE W/ STREET LIGHT
- STREET LIGHT
- NEW CURB RAMP
- EMERGENCY NOTIFICATION SPEAKER
- TRAFFIC SIGNAL

③ SIDEWALK SECTION
LENGTH 58 LF TO MATCHLINE

POTTER LANE STA 25+32
NORTHING = 6961823.14
EASTING = 2545511.78

⑤ DRIVE EASEMENT 44 SY

TIE HEADWALL INTO
EXISTING HEADWALL - TYP.

③ SIDEWALK SECTION
LENGTH 83 LF

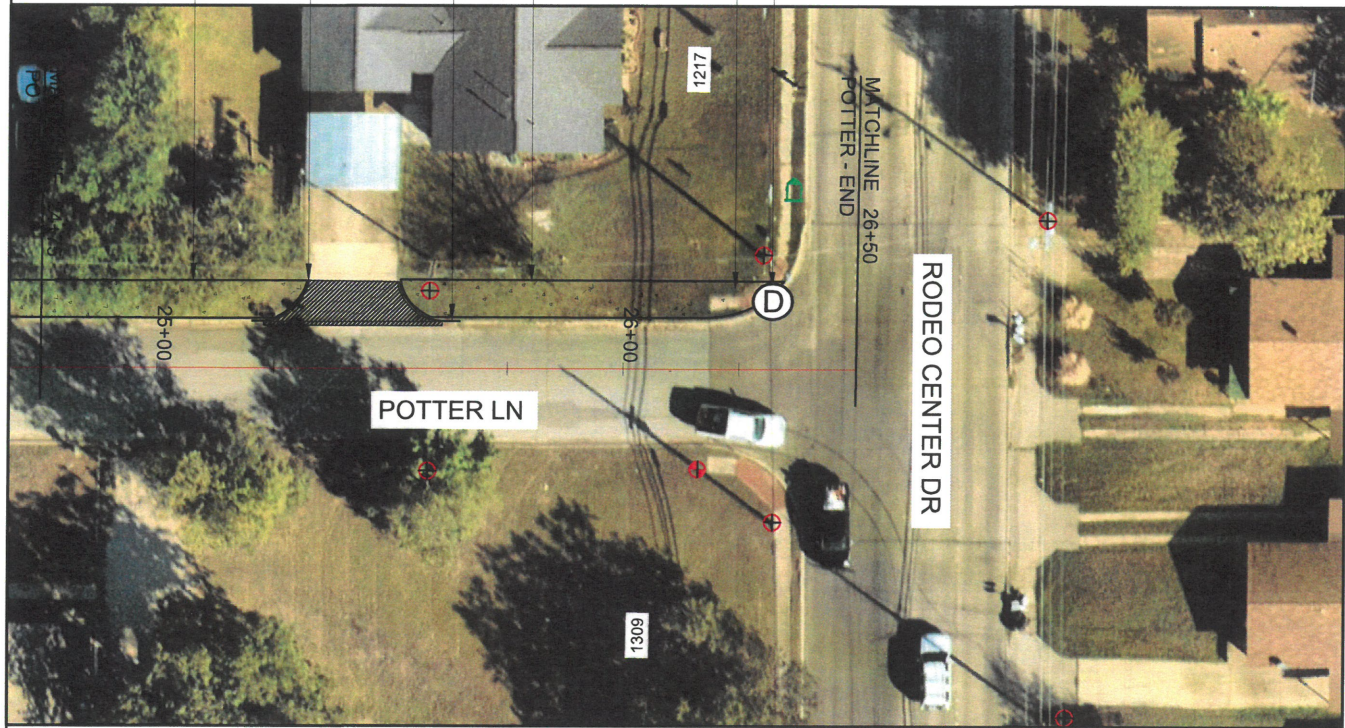
3 SIDEWALK SECTION
LENGTH 83 LF

END POTTER LANE STA 26+33
NORTHING = 6961823.20
EASTING = 2545609.50

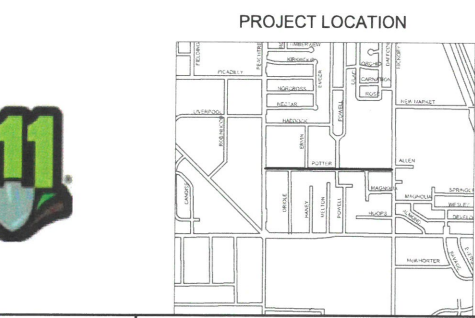
①② REF MESQUITE STANDARD
DETAIL P-19.

- GENERAL NOTES:**
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POTTER LANE: 1" = 40'



CDBG 2023 SIDEWALK IMPROVEMENT PROJECT CITY CONTRACT #2023-008	
SCALE - 1" = 40'	DRAWN BY:
REVISIONS	
DATE 2/17/2023	SHEET: 36

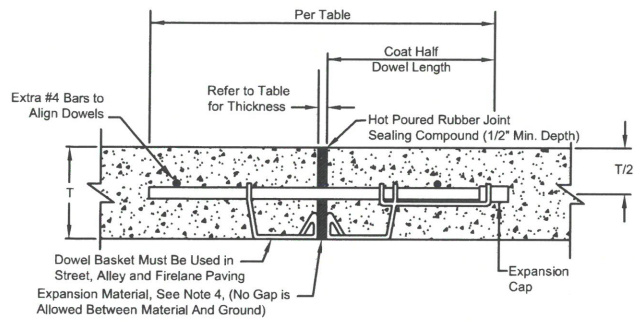


Wesley G. McClure
2-16-2023



Public Works

POTTER LANE (7) - SIDEWALKS
(POWELL TO RODEO CTR BLVD 3)

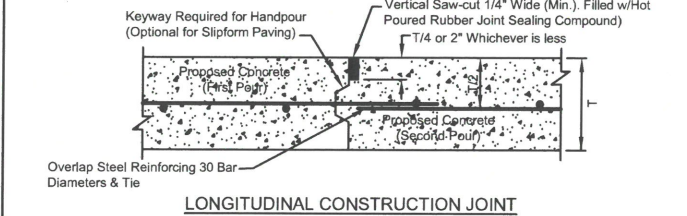


EXPANSION JOINT

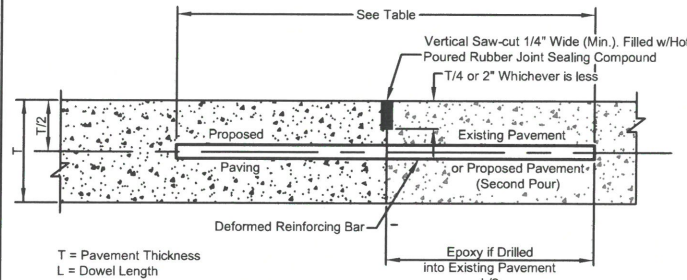
Smooth Dowel Bars				
Commercial Driveway, Street, Alley & Firelane Paving Thickness (in.)	Diameter (in.)	Length (in.)	Spacing (in.)	Expansion Joint Thickness
6	#8 (1 in.)	30	18	3/4"
> 6 and ≤ 12	#11 (1.4 in.)	30	12	3/4"
> 12	Determined by City Engineer			
Sidewalk, Residential Driveway and Trail Thickness (in.)				
Diameter (in.)	Length (in.)	Spacing (in.)	Expansion Joint Thickness	
4-6	#4 (1/2 in.)	24	12	1/2"

- NOTES:
- Expansion Cap for Dowels Shall have an Inside Diameter of 1/16" Greater than that of Dowel and be Designed to Provide Free Movement of the Dowel Bar.
 - Expansion Cap to Fit Dowel Min. 2" Embedment and Min. 1-1/4" Clearance from the Closed End of the Sleeve to the Dowel.
 - Expansion Joints Shall be Installed at a Maximum Distance of Six Hundred (600) Feet, and at Street Intersections Radii, PC's and PT's or as Otherwise Directed. No Expansion Joint Shall fall in a Driveway Approach or Inlet.
 - Expansion Material Per Approved Material List
 - Dowel Bars to be Placed Parallel to Pavement at Spacing and Lengths per Table, Centered on Expansion Material. One Side of Dowel Bar Shall be Coated in Thin Film of Grease or Other Approved De-Bonding Material. Where Drilling of Dowel Bars is Required, it Shall be Done by an Approved Mechanical Rig.
 - Expansion Joints Shall Not be Placed At Pavement Grade Breaks.

MESQUITE TEXAS Public Works **EXPANSION JOINTS** GENERAL DESIGN STANDARDS STANDARD DETAILS SCALE: N.T.S. SHEET: P-1 REVISION DATE: 11/11/2019



LONGITUDINAL CONSTRUCTION JOINT

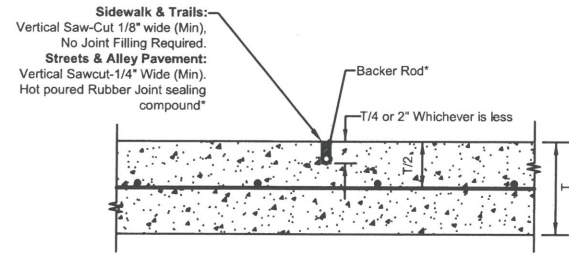


TRANSVERSE CONSTRUCTION JOINT

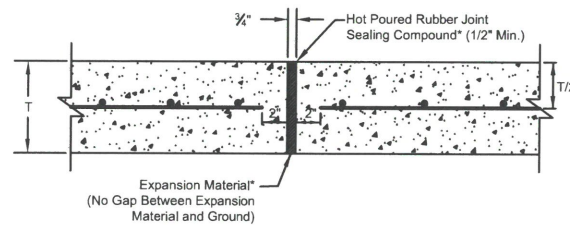
Deformed Reinforcing Bars				
Commercial Driveway, Street, Alley & Firelane Paving Thickness (in.)	Diameter (in.)	Length (L)	Spacing (in.)	
< 8	#8 (1 in.)	30	18	
≥ 8	#11 (1.4 in.)	30	12	
Sidewalk, Residential Driveway and Trail Thickness (in.)				
Diameter (in.)	Length (in.)	Spacing (in.)		
4-6	#4 (.5 in)	24	12	

- NOTES:
- Dowel Bars to be Placed Parallel to Pavement at Spacing and Lengths per Table. Where Drilling of Dowel Bars is Required, it Shall be Done by an Approved Mechanical Rig.
 - Transverse Construction Joint can be used as Longitudinal Construction Joint in applications where new pavement is to be constructed or reconstructed next to old pavement.

MESQUITE TEXAS Public Works **CONSTRUCTION JOINTS** GENERAL DESIGN STANDARDS STANDARD DETAILS SCALE: N.T.S. SHEET: P-2 REVISION DATE: 11/11/2019



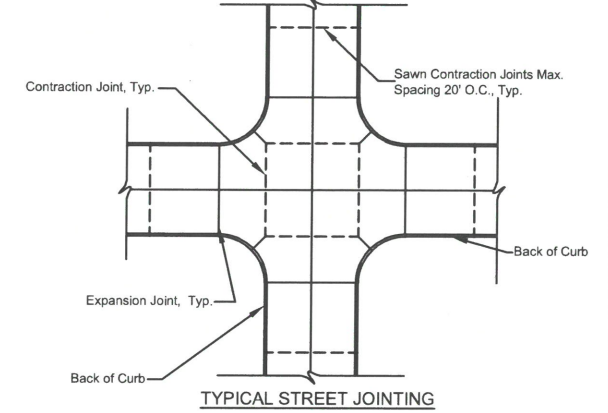
SAWED CONTRACTION JOINT



ISOLATION JOINT

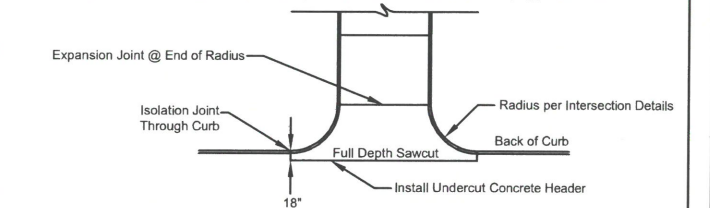
* Refer Approved Materials List for recommended material.

MESQUITE TEXAS Public Works **SAWED CONTRACTION & ISOLATION JOINT** GENERAL DESIGN STANDARDS STANDARD DETAILS SCALE: N.T.S. SHEET: P-3 REVISION DATE: 05/20/2019



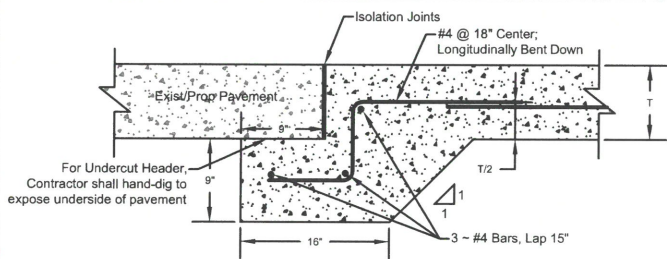
TYPICAL STREET JOINTING

- NOTE:
- All Concrete Placement Shall End in a Construction Joint, an Expansion Joint or a Concrete Header.
 - Sawed Contraction Joints are Required at Center Line and Lane Line on any Street Pavement Width Greater than 22.5 Feet (Back to Back of Curb).
 - Expansion Joints Shall be Installed at a Maximum Distance of Six Hundred (600) Feet and Street Intersections, PC's and PT's or as Otherwise Directed. No Expansion Joint Shall Fall in a Driveway Approach or Inlet.



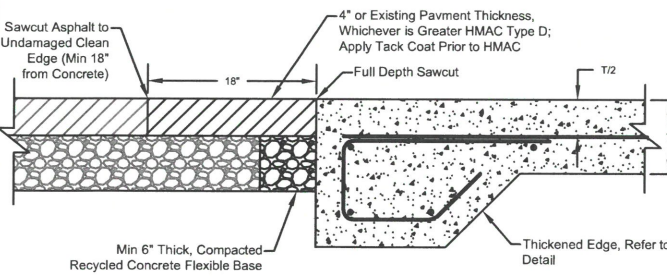
EXISTING CONCRETE STREET TO NEW CONCRETE STREET TEE INTERSECTION

MESQUITE TEXAS Public Works **STREET JOINTING** GENERAL DESIGN STANDARDS STANDARD DETAILS SCALE: N.T.S. SHEET: P-4 REVISION DATE: 05/20/2019



CONCRETE HEADER

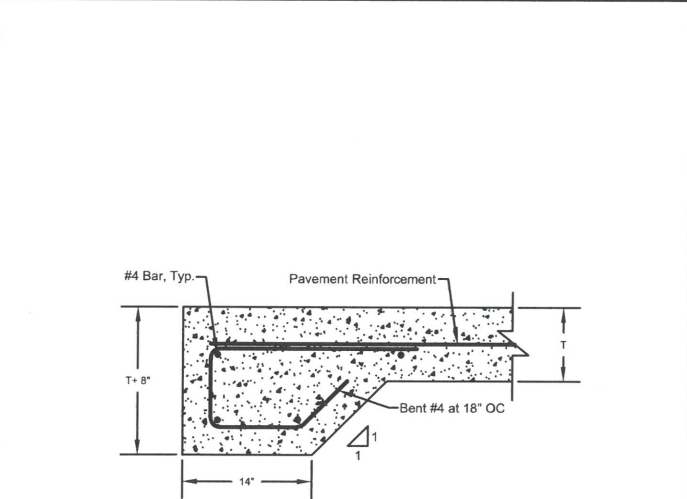
T = Pavement Thickness, Not Less than Street Pavement Depth or 8", whichever is greater



CONCRETE TO ASPHALT HEADER

- NOTES:
- Concrete Headers Shall be Continuous Along Existing or Phased Pavement when Adjacent to the New Pavement. Additional Locations can be Shown on the Plans or at the Discretion of the City Engineer.

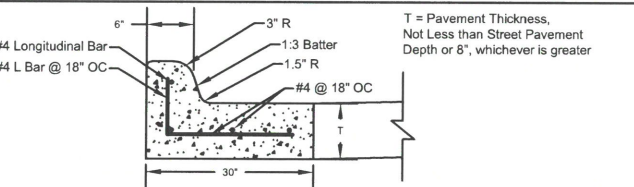
MESQUITE TEXAS Public Works **TYPICAL HEADERS** GENERAL DESIGN STANDARDS STANDARD DETAILS SCALE: N.T.S. SHEET: P-5 REVISION DATE: 05/20/2019



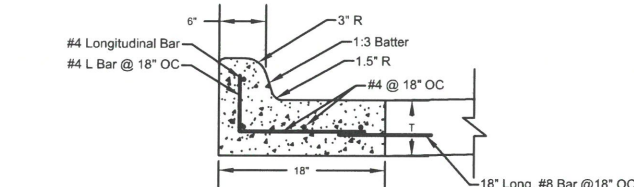
THICKENED CONCRETE EDGE

T = Pavement Thickness, Not Less than Street Pavement Depth or 8", whichever is greater

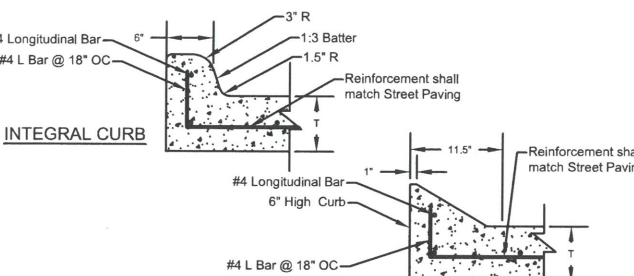
MESQUITE TEXAS Public Works **THICKENED CONCRETE EDGE** GENERAL DESIGN STANDARDS STANDARD DETAILS SCALE: N.T.S. SHEET: P-6 REVISION DATE: 05/20/2019



CURB AND GUTTER (HMAC PAVEMENT)



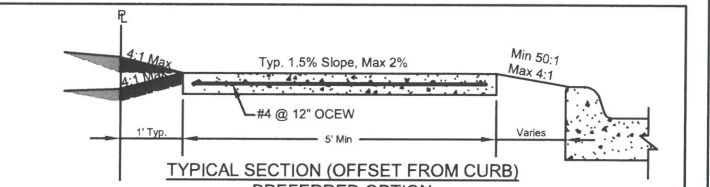
CURB AND GUTTER (CONCRETE PAVEMENT - FOR RECONSTRUCTION)



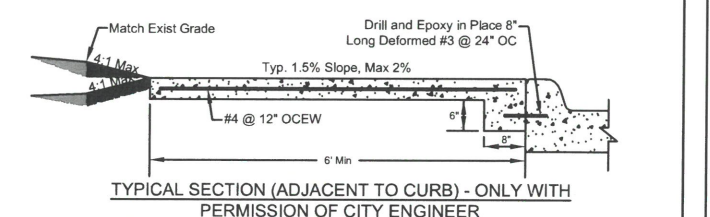
LAYDOWN CURB

- NOTES:
- Integral Curb shall be used on all new streets.
 - Any honeycomb present on backside of curb shall be filled in.

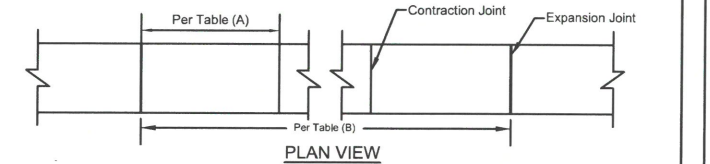
MESQUITE TEXAS Public Works **TYPICAL CURB & GUTTER** GENERAL DESIGN STANDARDS STANDARD DETAILS SCALE: N.T.S. SHEET: P-7 REVISION DATE: 07/22/2019



TYPICAL SECTION (OFFSET FROM CURB) PREFERRED OPTION



TYPICAL SECTION (ADJACENT TO CURB) - ONLY WITH PERMISSION OF CITY ENGINEER

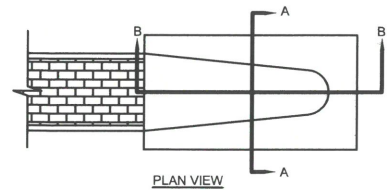


PLAN VIEW

Type	Width	Thickness	Contraction Joint (A)	Expansion Joint (B)
Sidewalk	Min. 5' < 6'	4"	10' Spacing Tooled Joint	120' Max.
Trail - Hike & Bike	≥ 8'	6"	15' Spacing Sawcut	600' Max

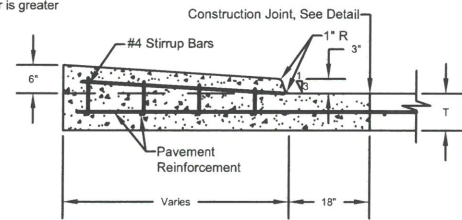
- NOTES:
- Expansion Joints Shall be Placed at Maximum Intervals per Table and Shall also be Placed at each Lot Line
 - Expansion Joint is required between sidewalk and abutting concrete pavement. No expansion joint is required between sidewalk and adjacent street curb. For expansion joints on driveways, refer to P- 26 through P-29.
 - All Sidewalks shall drain positive.

MESQUITE TEXAS Public Works **PEDESTRIAN FACILITIES** GENERAL DESIGN STANDARDS STANDARD DETAILS SCALE: N.T.S. SHEET: P-8 REVISION DATE: 11/11/2019

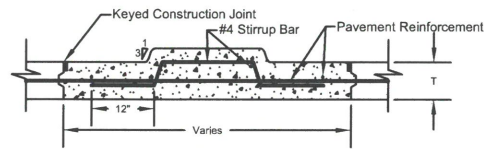


PLAN VIEW

T = Pavement Thickness, Not Less than Street Pavement Depth or 8", whichever is greater



SECTION B-B

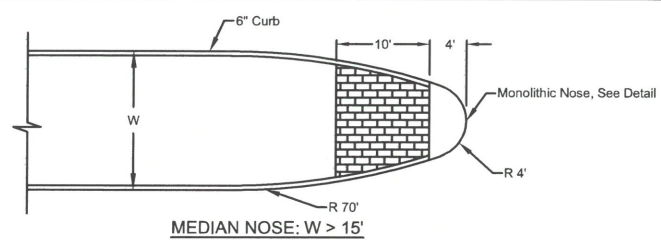


SECTION A-A

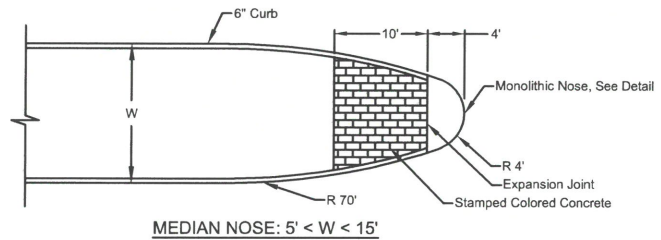
NOTES:

1. If constructing median nose on existing pavement, contractor shall full depth sawcut existing pavement and shall dowel into existing pavement per Transverse Construction Joint detail

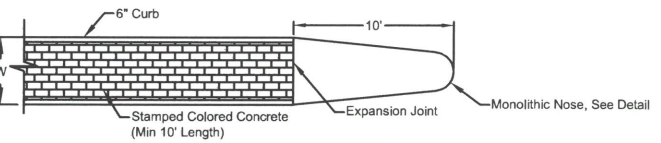
	Public Works	MONOLITHIC NOSE	GENERAL DESIGN STANDARDS STANDARD DETAILS	
			SCALE: N.T.S.	SHEET: P-9
			REVISION DATE: 05/20/2019	



MEDIAN NOSE: W > 15'



MEDIAN NOSE: 5' < W < 15'

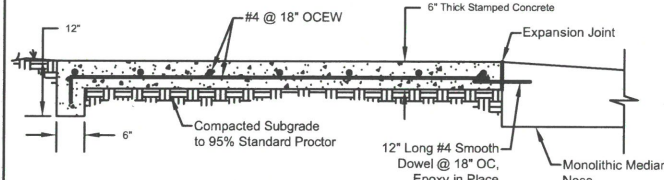
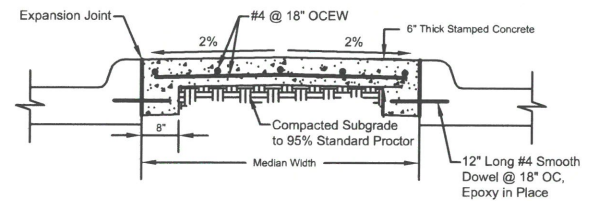


MEDIAN NOSE: W < 5'

NOTES:

1. Medians less than 5' in width, back-of-curb to back-of-curb, shall be stamped colored concrete
2. Median areas that are not stamped concrete or part of the monolithic nose shall be filled with six inches of top soil or sandy loam. All rocks, large roots and other debris shall be removed and the area graded smooth.

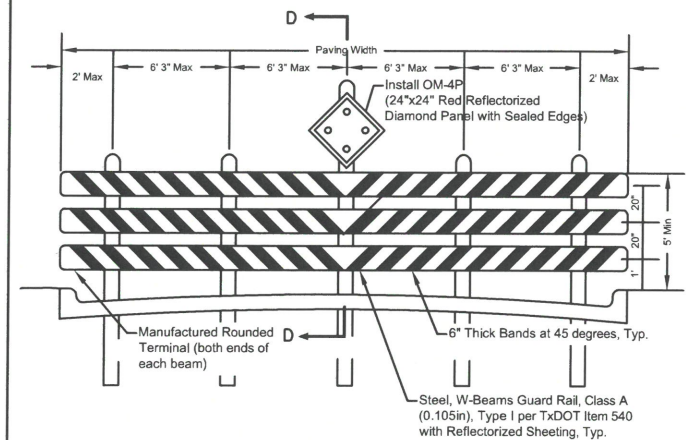
	Public Works	MEDIAN	GENERAL DESIGN STANDARDS STANDARD DETAILS	
			SCALE: N.T.S.	SHEET: P-10
			REVISION DATE: 05/20/2019	



NOTES:

1. Contractor to Provide Concrete Stamping Mats used for Construction, to City upon Completion of Construction.
2. Color shall be full depth and integral with concrete and shall comply with the Approved Materials List.
3. Pattern shall be a running bond, and as per Approved Materials List.
4. Stamped Concrete Shall be Antique Red in Color.

	Public Works	STAMPED CONCRETE MEDIAN PAVEMENT	GENERAL DESIGN STANDARDS STANDARD DETAILS	
			SCALE: N.T.S.	SHEET: P-11
			REVISION DATE: 05/20/2019	

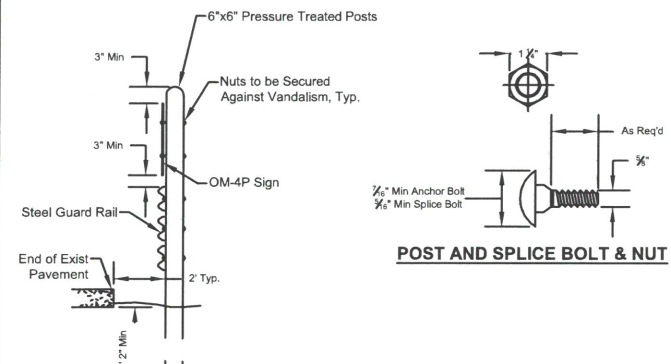


TYPICAL PERMANENT BARRICADE (MUTCD 3F-1)

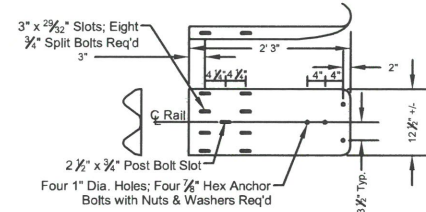
NOTES:

1. This permanent barricade is intended for dead-end streets when a hazardous condition exists past the extents of the pavement, such as a natural stream or deep excavation. At other dead ends, only place the sign OM-4P(24"x24") MUTCD 3C-4, with sealed edges.
2. Typical mounting height shall be as shown and the offset from the point of road closure shall be 10'. The exact location and height of Metal Beam Guard Fence shall be as directed by City Engineer.
3. Bolts shall be 3/8" diameter, galvanized and of sufficient length to extend through the full thickness of the nut and no more than 3/4" beyond it.
4. Posts to be backfilled with a cohesionless material. Do not backfill timber posts with concrete. Posts shall be 7" diameter creosote treated wood.
5. Metal beams, bolts, splices and all fittings to be galvanized.
6. Red reflectorized stripes shall be high intensity sheeting.
7. Directional signs may be required on barricades at discretion of the City Engineer (S.D.H.P.T. CWI-6 or CWI-7)
8. Consult the Texas Manual of Uniform Traffic Control Devices for direction of striping

	Public Works	PERMANENT BARRICADE	GENERAL DESIGN STANDARDS STANDARD DETAILS	
			SCALE: N.T.S.	SHEET: P-12A
			REVISION DATE: 05/20/2019	

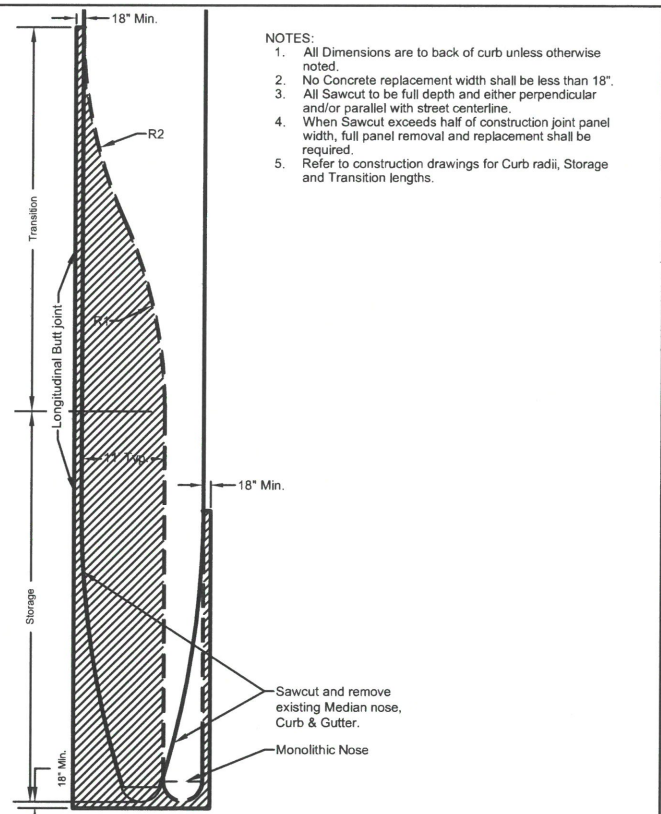


POST AND SPLICE BOLT & NUT



ROUNDED TERMINAL DETAIL

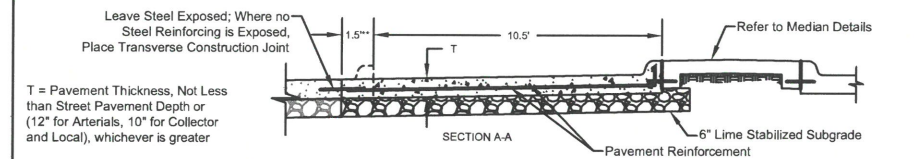
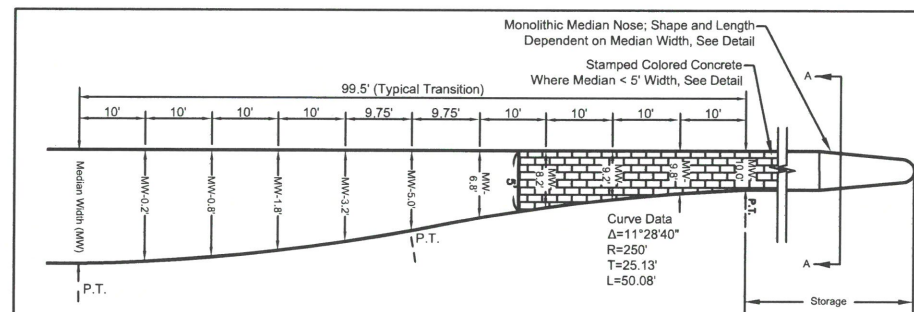
	Public Works	PERMANENT BARRICADE	GENERAL DESIGN STANDARDS STANDARD DETAILS	
			SCALE: N.T.S.	SHEET: P-12B
			REVISION DATE: 05/20/2019	



NOTES:

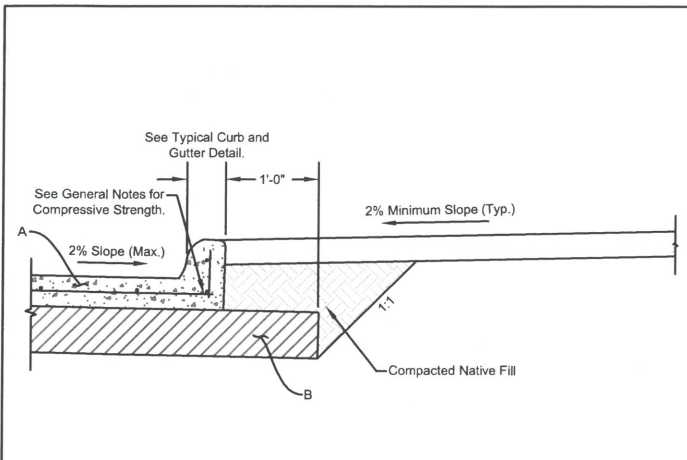
1. All Dimensions are to back of curb unless otherwise noted.
2. No Concrete replacement width shall be less than 18".
3. All Sawcut to be full depth and either perpendicular and/or parallel with street centerline.
4. When Sawcut exceeds half of construction joint panel width, full panel removal and replacement shall be required.
5. Refer to construction drawings for Curb radii, Storage and Transition lengths.

	Public Works	LEFT TURN LANE CONCRETE REMOVAL AND REPLACEMENT	GENERAL DESIGN STANDARDS STANDARD DETAILS	
			SCALE: N.T.S.	SHEET: P-13A
			REVISION DATE: 05/20/2019	



- T = Pavement Thickness, Not Less than Street Pavement Depth or (12" for Arterials, 10" for Collector and Local), whichever is greater
- NOTES:
1. In lieu of 6" Lime stabilized subgrade, contractor may install 6" Recycled Crushed concrete. TxDOT item No. 247, Grade 1, Type D or increase paving depth by 2"
 2. See City Pavement Marking Standards for marking left turn lane.
 3. For project specific Transition and Storage lengths, refer to Construction Drawings.
- ** This configuration applies only where a new Left Turn Lane is introduced on a median.

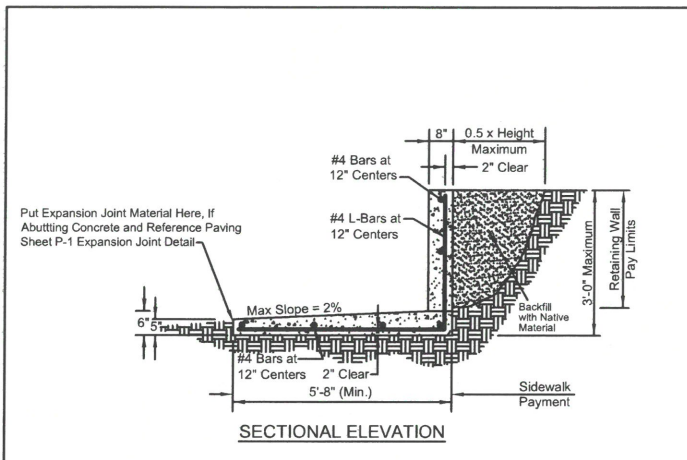
	Public Works	LEFT TURN LANE DETAIL	GENERAL DESIGN STANDARDS PAVING DETAILS	
			SCALE: N.T.S.	SHEET: P-13B
			REVISION DATE: 05/20/2019	



Classification	Minimum Pavement Thickness (A)	Minimum Subgrade Thickness (B)	Minimum Bar: Maximum Spacing Reinforcing Steel
Local	6"	6" Lime Stabilized at 8% (Or 6" Crushed Concrete)	#4 @ 18" C.C.
Collector	8"	8" Lime Stabilized at 8% (Or 8" Crushed Concrete)	#4 @ 18" C.C.
Fire Lane	Per Fire Lane Detail		
Alleys	Per Typical Alley Detail		
Arterials	Per Engineering Design Manual Section 2.11		#4 @ 18" C.C.

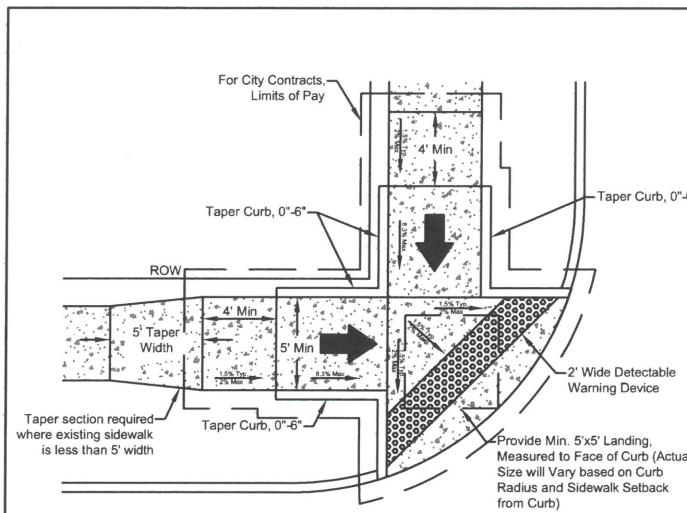
NOTE:
Crushed concrete shall meet TXDOT specifications, Item 247, Type D, Grade 1 or 2 with Triax TX 140 Geogrid (or approved equal).

MESQUITE TEXAS Public Works
CONCRETE PAVEMENT DETAIL TYPICAL SECTION
 GENERAL DESIGN STANDARDS STANDARD DETAILS
 SCALE: N.T.S. SHEET: P-14
 REVISION DATE: 05/20/2019



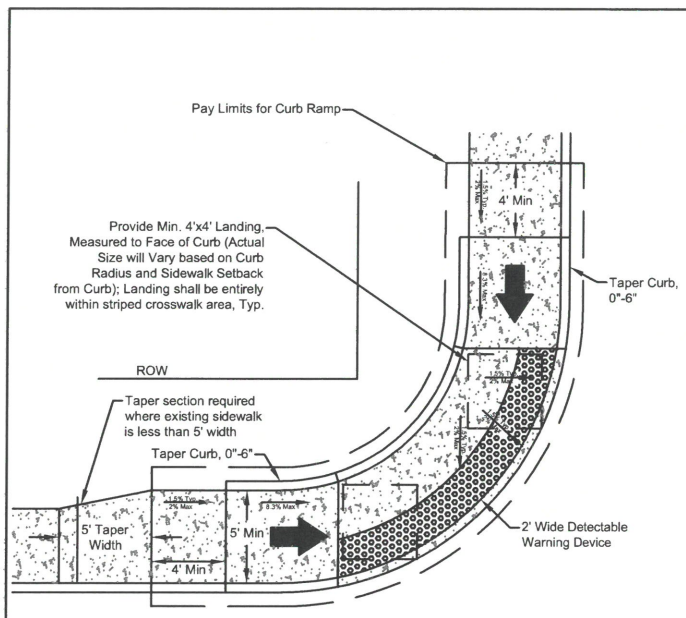
NOTES:
 1. Exposed face or wall shall have form liner Sika Greenstreak #439 Sierra Drystack or Symons #F3170575 /#F3170503 Standard Dry Stack or as directed by the City Engineer. Form liner is required for walls 6-inches in height and over.
 2. Minimum compressive design strength of the concrete shall be 4,000psi at 28 days, 6 sack minimum cement content.
 3. Minimum grade of reinforcing steel is to be ASTM A615 grade 60.
 4. All distances to reinforcing steel refer to clear concrete cover over reinforcing steel unless noted otherwise.
 5. Minimum reinforcing steel lap is to be thirty (30) bar diameters.
 6. Maximum spacing of expansion joints shall be 120-feet. An expansion joint shall be placed at each property line. Expansion joints shall be continuous through wall and associated sidewalk.
 7. All exposed edges shall have a 3/4 inch chamfer.
 8. Sidewalk width shown is minimum width. Consult paving plans for the clear sidewalk width.

MESQUITE TEXAS Public Works
CONCRETE SIDEWALK WITH RETAINING WALL
 GENERAL DESIGN STANDARDS STANDARD DETAILS
 SCALE: N.T.S. SHEET: P-15
 REVISION DATE: 05/20/2019



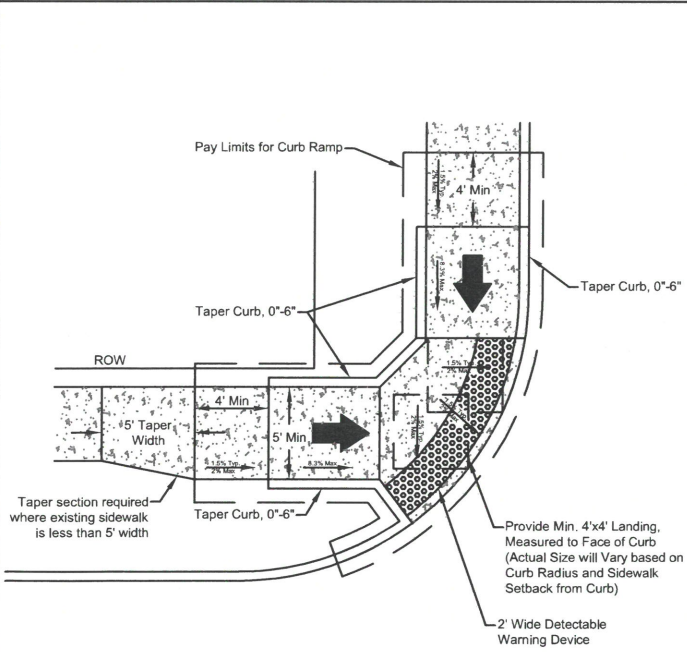
NOTES:
 1. All pedestrian elements, including curb ramps, shall comply with the Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (PROWAG), published by the Architectural and Transportation Compliance Board on July 26, 2011, 36 CFR Part 1190 or its final adopted guidelines.
 2. All pedestrian paths shall have typical 1.5%, maximum 2% cross slope.
 3. Detail are representation of information from PROWAG and are intended to provide guidance. It is the responsibility of the Design Professional and the Contractor to ensure that all ramps constructed meet the requirements of PROWAG.

MESQUITE TEXAS Public Works
CURB RAMP TYPE A
 GENERAL DESIGN STANDARDS STANDARD DETAILS
 SCALE: N.T.S. SHEET: P-16
 REVISION DATE: 05/20/2019



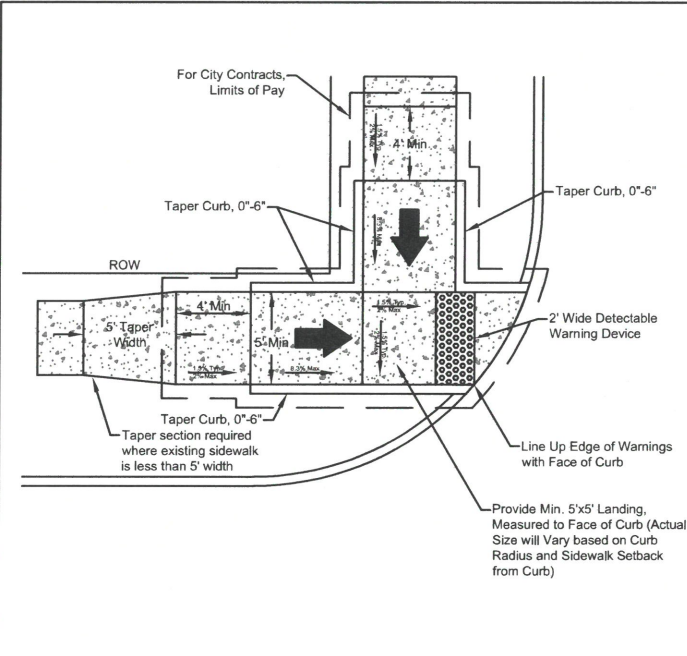
NOTES:
 1. All pedestrian elements, including curb ramps, shall comply with the Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (PROWAG), published by the Architectural and Transportation Compliance Board on July 26, 2011, 36 CFR Part 1190 or its final adopted guidelines.
 2. All pedestrian paths shall have typical 1.5%, maximum 2% cross slope.
 3. Detail are representation of information from PROWAG and are intended to provide guidance. It is the responsibility of the Design Professional and the Contractor to ensure that all ramps constructed meet the requirements of PROWAG.

MESQUITE TEXAS Public Works
CURB RAMP TYPE B
 GENERAL DESIGN STANDARDS STANDARD DETAILS
 SCALE: N.T.S. SHEET: P-17
 REVISION DATE: 05/20/2019



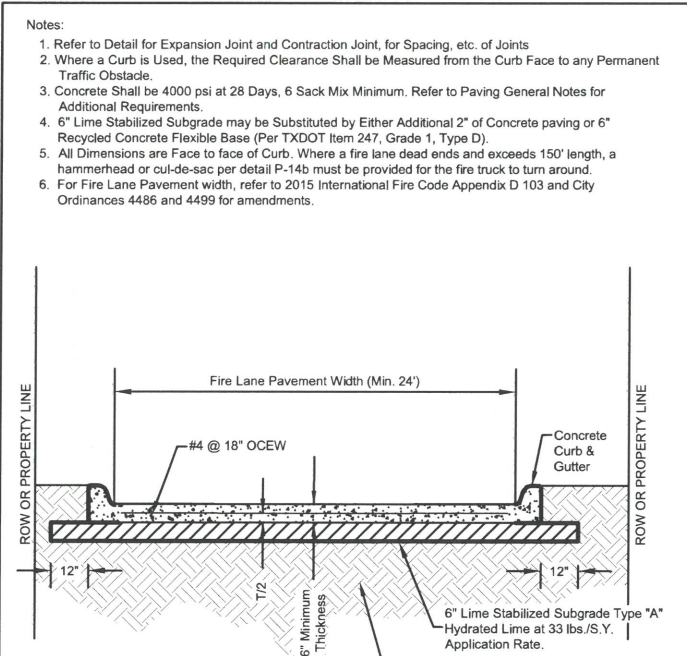
NOTES:
 1. All pedestrian elements, including curb ramps, shall comply with the Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (PROWAG), published by the Architectural and Transportation Compliance Board on July 26, 2011, 36 CFR Part 1190 or its final adopted guidelines.
 2. All pedestrian paths shall have typical 1.5%, maximum 2% cross slope.
 3. Detail are representation of information from PROWAG and are intended to provide guidance. It is the responsibility of the Design Professional and the Contractor to ensure that all ramps constructed meet the requirements of PROWAG.

MESQUITE TEXAS Public Works
CURB RAMP TYPE C
 GENERAL DESIGN STANDARDS STANDARD DETAILS
 SCALE: N.T.S. SHEET: P-18
 REVISION DATE: 05/20/2019



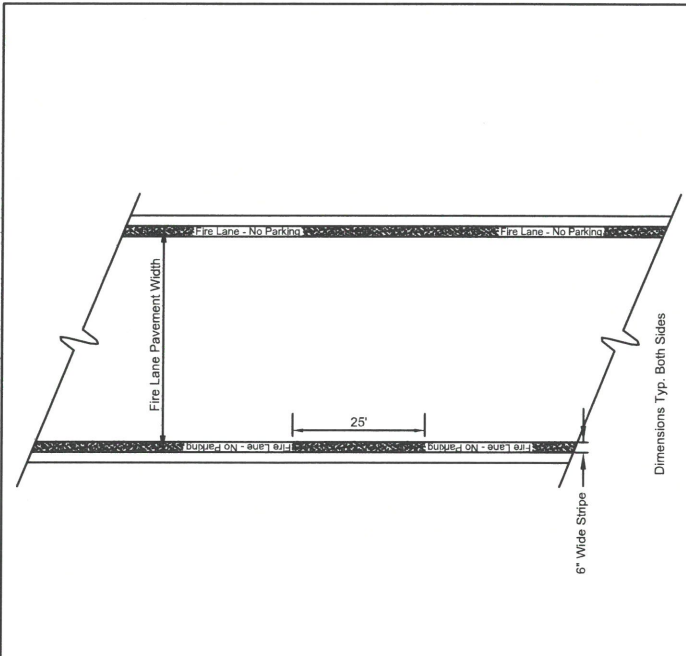
NOTES:
 1. All pedestrian elements, including curb ramps, shall comply with the Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (PROWAG), published by the Architectural and Transportation Compliance Board on July 26, 2011, 36 CFR Part 1190 or its final adopted guidelines.
 2. All pedestrian paths shall have typical 1.5%, maximum 2% cross slope.
 3. Detail are representation of information from PROWAG and are intended to provide guidance. It is the responsibility of the Design Professional and the Contractor to ensure that all ramps constructed meet the requirements of PROWAG.

MESQUITE TEXAS Public Works
CURB RAMP TYPE D
 GENERAL DESIGN STANDARDS STANDARD DETAILS
 SCALE: N.T.S. SHEET: P-19
 REVISION DATE: 05/20/2019



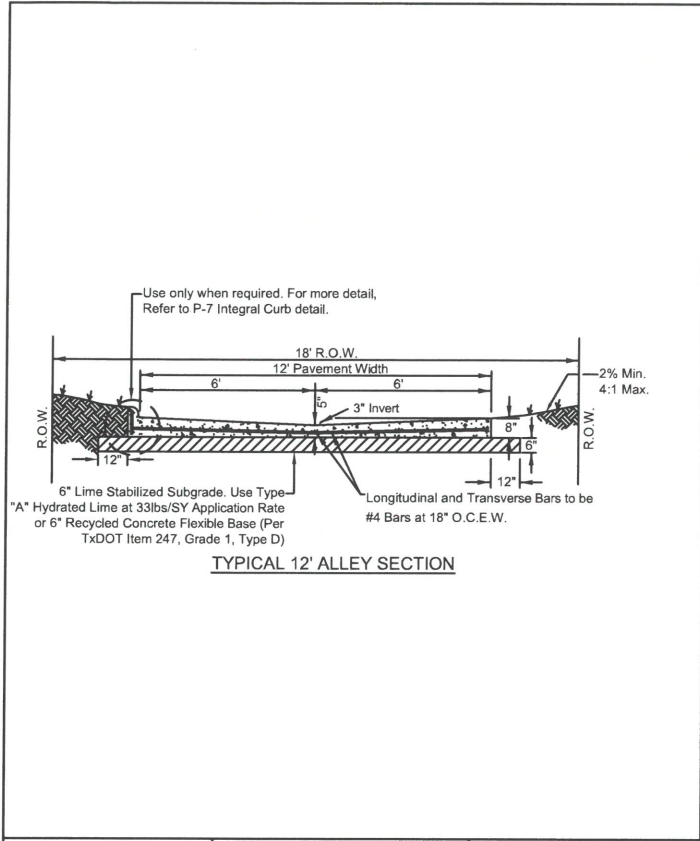
NOTES:
 1. Refer to Detail for Expansion Joint and Contraction Joint, for Spacing, etc. of Joints
 2. Where a Curb is Used, the Required Clearance Shall be Measured from the Curb Face to any Permanent Traffic Obstacle.
 3. Concrete Shall be 4000 psi at 28 Days, 6 Sack Mix Minimum. Refer to Paving General Notes for Additional Requirements.
 4. 6" Lime Stabilized Subgrade may be Substituted by Either Additional 2" of Concrete paving or 6" Recycled Concrete Flexible Base (Per TXDOT Item 247, Grade 1, Type D).
 5. All Dimensions are Face to Face of Curb. Where a fire lane dead ends and exceeds 150' length, a hammerhead or cul-de-sac per detail P-14b must be provided for the fire truck to turn around.
 6. For Fire Lane Pavement width, refer to 2015 International Fire Code Appendix D 103 and City Ordinances 4486 and 4499 for amendments.

MESQUITE TEXAS Public Works
FIRE LANE PAVING
 GENERAL DESIGN STANDARDS STANDARD DETAILS
 SCALE: N.T.S. SHEET: P-20
 REVISION DATE: 05/20/2019



NOTES:
 1. Lettering Shall be "Fire Lane - No Parking" or "No Parking-Fire Lane" with 4" White Letters.
 2. Where Curb is Available, the Striping Shall be on the Vertical Face of Curb.

MESQUITE TEXAS Public Works
FIRE LANE STRIPING
 GENERAL DESIGN STANDARDS STANDARD DETAILS
 SCALE: N.T.S. SHEET: P-21
 REVISION DATE: 05/20/2019

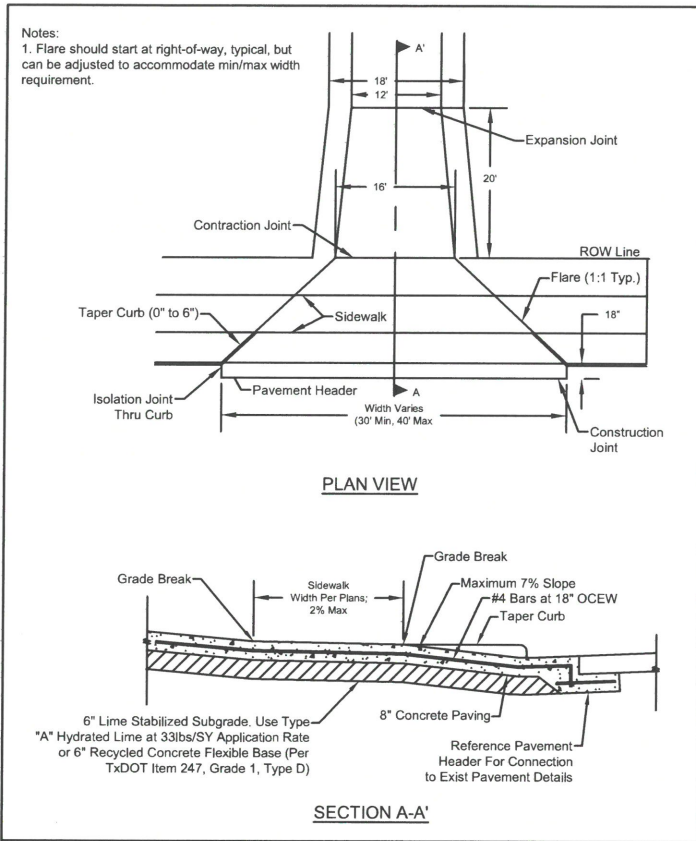


MESQUITE TEXAS Public Works Real Texas Service

ALLEY PAVING

GENERAL DESIGN STANDARDS STANDARD DETAILS

SCALE: N.T.S. SHEET: P-22
REVISION DATE: 05/20/2019

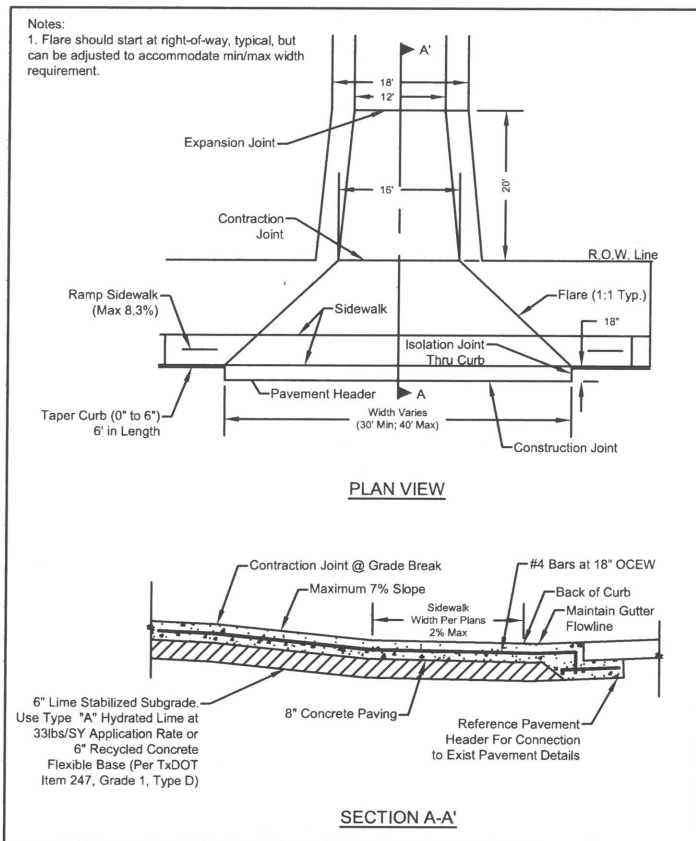


MESQUITE TEXAS Public Works Real Texas Service

ALLEY/STREET INTERSECTION OFFSET SIDEWALK

GENERAL DESIGN STANDARDS STANDARD DETAILS

SCALE: N.T.S. SHEET: P-23
REVISION DATE: 05/20/2019

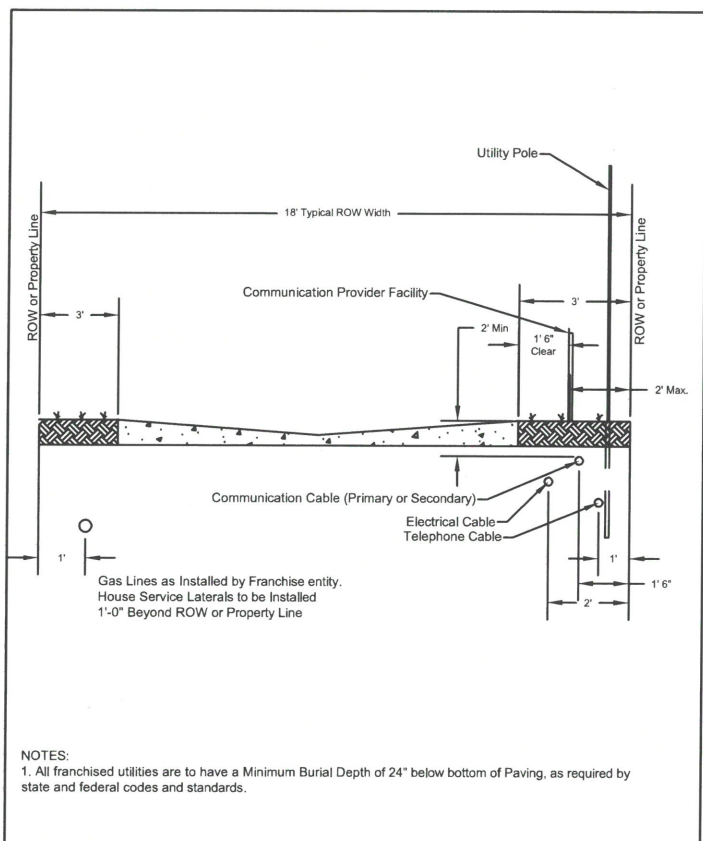


MESQUITE TEXAS Public Works Real Texas Service

ALLEY/STREET INTERSECTION ADJACENT SIDEWALK

GENERAL DESIGN STANDARDS STANDARD DETAILS

SCALE: N.T.S. SHEET: P-24
REVISION DATE: 05/20/2019

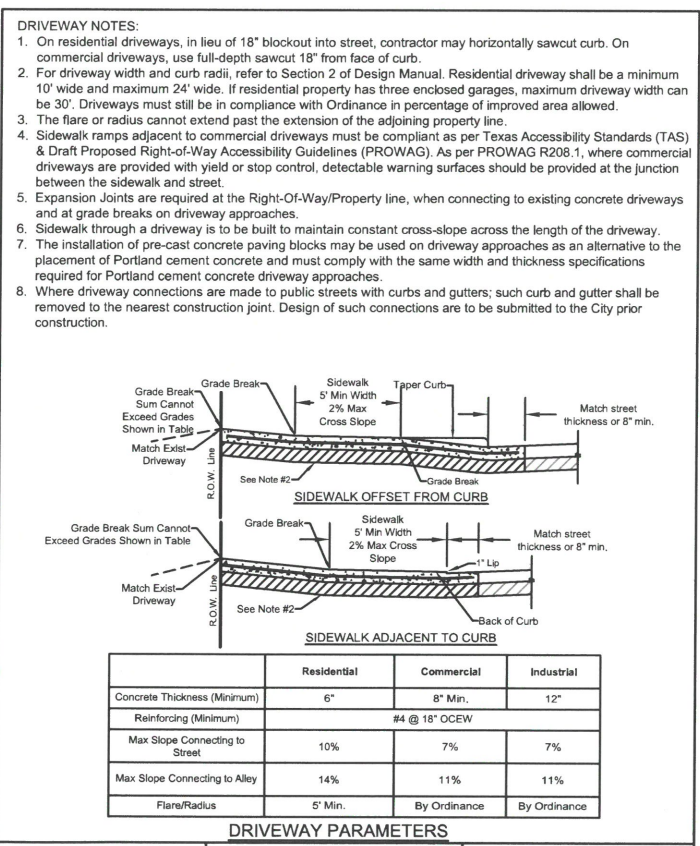


MESQUITE TEXAS Public Works Real Texas Service

ALLEY UTILITY LOCATION

GENERAL DESIGN STANDARDS STANDARD DETAILS

SCALE: N.T.S. SHEET: P-25
REVISION DATE: 05/20/2019

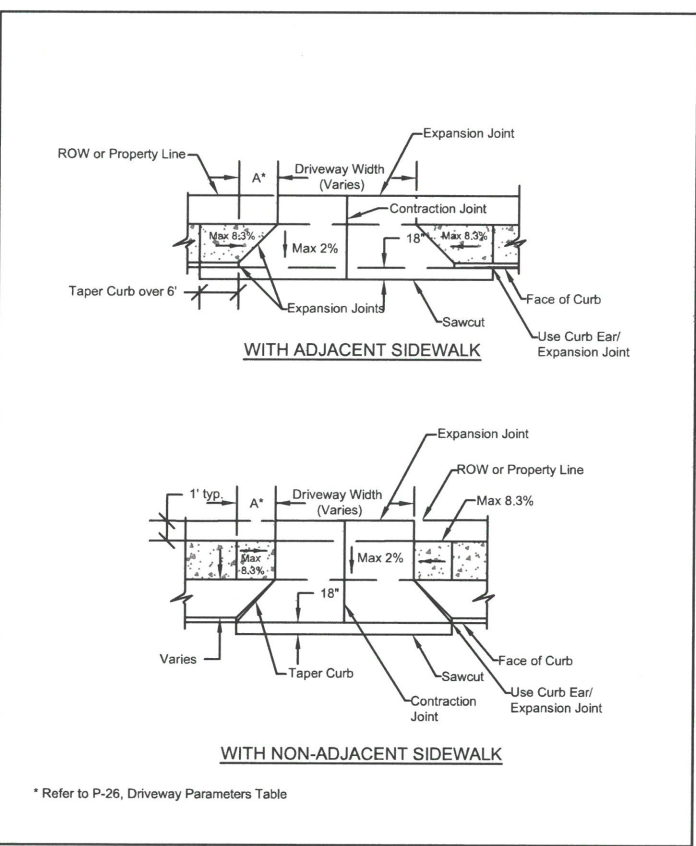


MESQUITE TEXAS Public Works Real Texas Service

DRIVEWAY

GENERAL DESIGN STANDARDS STANDARD DETAILS

SCALE: N.T.S. SHEET: P-26
REVISION DATE: 09/30/2020

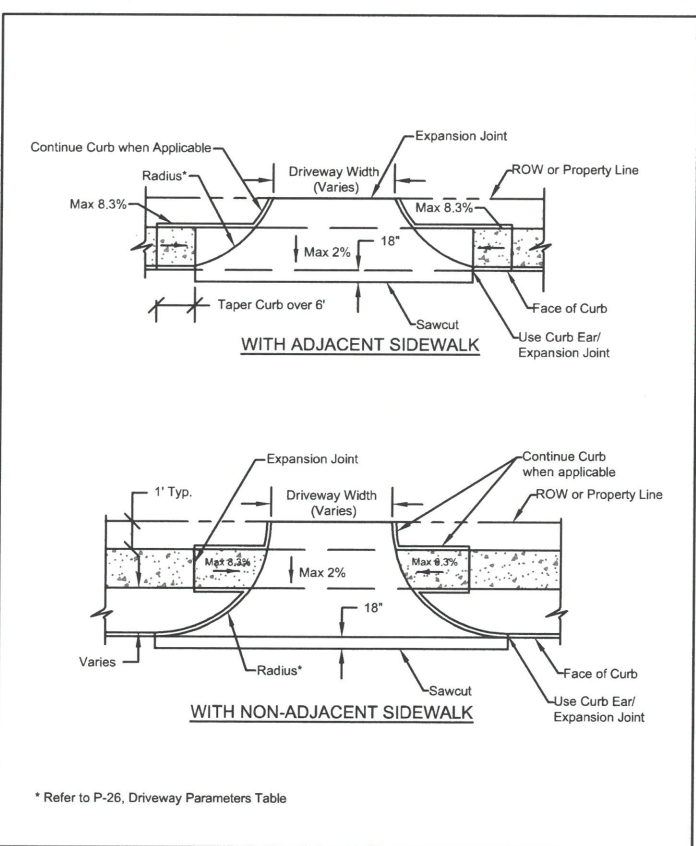


MESQUITE TEXAS Public Works Real Texas Service

DRIVEWAY FLARED

GENERAL DESIGN STANDARDS STANDARD DETAILS

SCALE: N.T.S. SHEET: P-27
REVISION DATE: 05/20/2019

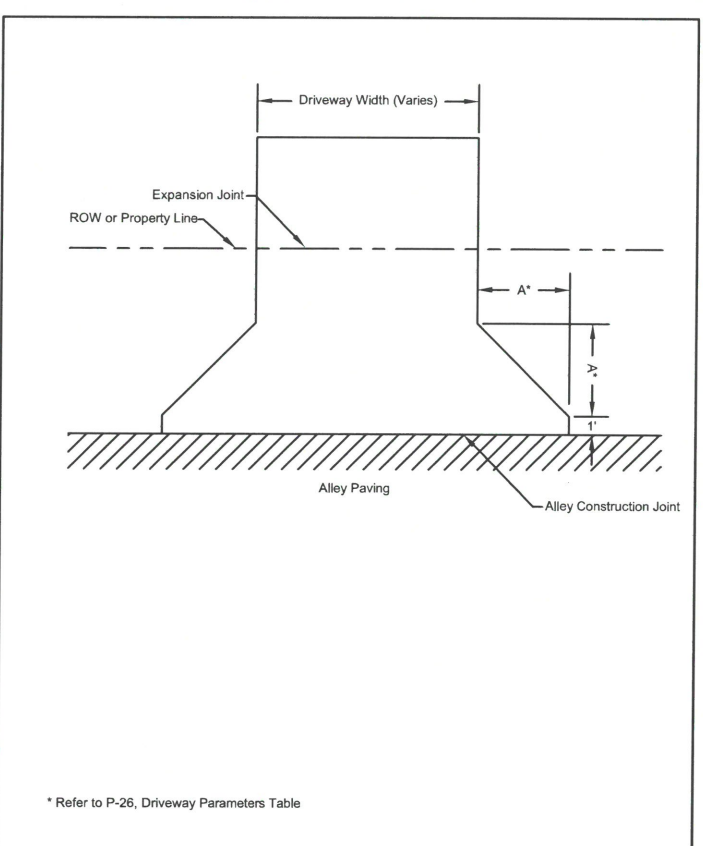


MESQUITE TEXAS Public Works Real Texas Service

DRIVEWAY RADIAL

GENERAL DESIGN STANDARDS STANDARD DETAILS

SCALE: N.T.S. SHEET: P-28
REVISION DATE: 05/20/2019



MESQUITE TEXAS Public Works Real Texas Service

DRIVEWAY RESIDENTIAL IN ALLEY

GENERAL DESIGN STANDARDS STANDARD DETAILS

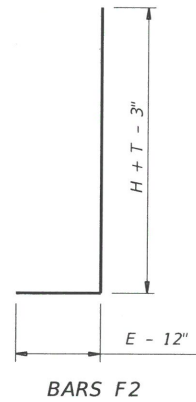
SCALE: N.T.S. SHEET: P-29
REVISION DATE: 05/20/2019

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DATE: FILE:

TABLE OF VARIABLE DIMENSIONS AND QUANTITIES FOR ONE HEADWALL

Slope	Dia of Pipe (D)	Values for One Pipe		Values To Be Added for Each Add'l Pipe			
		W	Reinf (Lbs) (1)	Conc (CY) (2)	W	Reinf (Lbs) (1)	Conc (CY) (2)
2:1	12"	9' - 0"	122	1.1	1' - 9"	15	0.2
	15"	10' - 3"	136	1.3	2' - 2"	16	0.2
	18"	11' - 6"	163	1.5	2' - 8"	19	0.3
	21"	12' - 9"	200	1.8	3' - 1"	31	0.4
	24"	14' - 0"	217	2.1	3' - 7"	34	0.4
	27"	15' - 3"	254	2.4	3' - 11"	37	0.5
	30"	16' - 6"	272	2.7	4' - 4"	40	0.6
	33"	17' - 9"	314	3.1	4' - 8"	43	0.6
	36"	19' - 0"	371	3.9	5' - 1"	46	0.8
	42"	21' - 6"	442	4.9	5' - 10"	52	1.0
	48"	25' - 0"	569	6.4	6' - 7"	59	1.3
	54"	27' - 6"	701	7.5	7' - 6"	82	1.6
60"	30' - 0"	794	8.8	8' - 3"	90	1.8	
66"	32' - 6"	894	10.2	8' - 9"	96	2.0	
72"	35' - 0"	1,055	11.7	9' - 4"	103	2.3	
3:1	12"	13' - 0"	175	1.6	1' - 9"	14	0.2
	15"	14' - 9"	193	1.9	2' - 2"	17	0.2
	18"	16' - 6"	228	2.2	2' - 8"	19	0.3
	21"	18' - 3"	299	2.6	3' - 1"	31	0.4
	24"	20' - 0"	323	3.0	3' - 7"	33	0.4
	27"	21' - 9"	371	3.5	3' - 11"	37	0.5
	30"	23' - 6"	415	4.0	4' - 4"	40	0.5
	33"	25' - 3"	469	4.6	4' - 8"	43	0.6
	36"	27' - 0"	556	5.7	5' - 1"	46	0.8
	42"	30' - 6"	675	7.1	5' - 10"	52	1.0
	48"	35' - 6"	837	9.2	6' - 7"	59	1.3
	54"	39' - 0"	1,015	11.0	7' - 6"	84	1.6
60"	42' - 6"	1,171	12.9	8' - 3"	91	1.8	
66"	46' - 0"	1,298	14.9	8' - 9"	98	2.0	
72"	49' - 6"	1,561	17.1	9' - 4"	103	2.3	
4:1	12"	17' - 0"	229	2.0	1' - 9"	15	0.2
	15"	19' - 3"	266	2.4	2' - 2"	17	0.2
	18"	21' - 6"	308	2.9	2' - 8"	19	0.3
	21"	23' - 9"	382	3.5	3' - 1"	31	0.3
	24"	26' - 0"	430	3.9	3' - 7"	34	0.4
	27"	28' - 3"	486	4.7	3' - 11"	37	0.5
	30"	30' - 6"	539	5.2	4' - 4"	40	0.6
	33"	32' - 9"	603	6.0	4' - 8"	42	0.6
	36"	35' - 0"	738	7.5	5' - 1"	47	0.8
	42"	39' - 6"	881	9.3	5' - 10"	52	1.0
	48"	46' - 0"	1,102	12.1	6' - 7"	61	1.3
	54"	50' - 6"	1,364	14.4	7' - 6"	84	1.6
60"	55' - 0"	1,547	16.9	8' - 3"	91	1.8	
66"	59' - 6"	1,741	19.5	8' - 9"	98	2.0	
72"	64' - 0"	2,077	22.4	9' - 4"	102	2.3	
6:1	12"	25' - 0"	336	3.0	1' - 9"	14	0.2
	15"	28' - 3"	384	3.6	2' - 2"	17	0.2
	18"	31' - 6"	452	4.2	2' - 8"	19	0.3
	21"	34' - 9"	581	5.1	3' - 1"	31	0.4
	24"	38' - 0"	644	5.8	3' - 7"	34	0.4
	27"	41' - 3"	737	6.9	3' - 11"	37	0.5
	30"	44' - 6"	807	7.7	4' - 4"	39	0.6
	33"	47' - 9"	912	8.9	4' - 8"	44	0.6
	36"	51' - 0"	1,108	11.0	5' - 1"	48	0.8
	42"	57' - 6"	1,318	13.7	5' - 10"	54	1.0
	48"	67' - 0"	1,682	17.9	6' - 7"	59	1.3
	54"	73' - 6"	2,072	21.3	7' - 6"	83	1.6
60"	80' - 0"	2,351	24.9	8' - 3"	89	1.8	
66"	86' - 6"	2,643	28.9	8' - 9"	96	2.0	
72"	93' - 0"	3,121	33.1	9' - 4"	101	2.3	



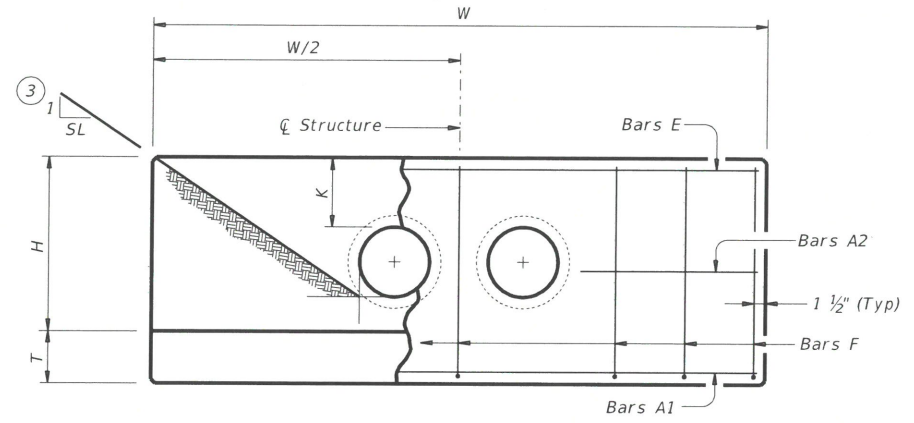
- ① Total quantities include one 3'-1" lap for bars over 60' in length.
- ② Quantities shown are for concrete pipe and will increase slightly for metal pipe installations.
- ③ Indicated slope is perpendicular to centerline pipe or pipes.
- ④ For vehicle safety, construct curbs no more than 3" above finished grade. Reduce curb heights, if necessary, to meet these requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.
- ⑤ Dimensions shown are usual and maximum.
- ⑥ Quantities shown are for one structure end only (one headwall).

TABLE OF CONSTANT DIMENSIONS

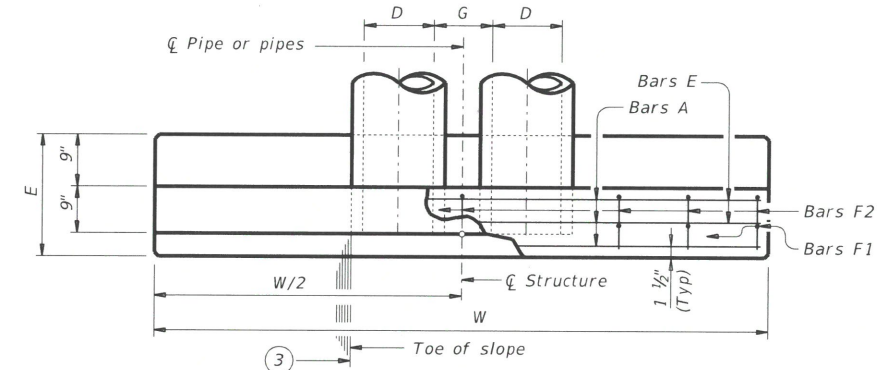
Dia of Pipe (D)	G	K (5)	H	T	E
12"	0' - 9"	1' - 0"	2' - 8"	0' - 9"	1' - 9"
15"	0' - 11"	1' - 0"	2' - 11"	0' - 9"	1' - 9"
18"	1' - 2"	1' - 0"	3' - 2"	0' - 9"	1' - 9"
21"	1' - 4"	1' - 0"	3' - 5"	0' - 9"	2' - 0"
24"	1' - 7"	1' - 0"	3' - 8"	0' - 9"	2' - 0"
27"	1' - 8"	1' - 0"	3' - 11"	0' - 9"	2' - 3"
30"	1' - 10"	1' - 0"	4' - 2"	0' - 9"	2' - 3"
33"	1' - 11"	1' - 0"	4' - 5"	0' - 9"	2' - 6"
36"	2' - 1"	1' - 0"	4' - 8"	1' - 0"	2' - 6"
42"	2' - 4"	1' - 0"	5' - 2"	1' - 0"	2' - 9"
48"	2' - 7"	1' - 3"	5' - 11"	1' - 0"	3' - 0"
54"	3' - 0"	1' - 3"	6' - 5"	1' - 0"	3' - 3"
60"	3' - 3"	1' - 3"	6' - 11"	1' - 0"	3' - 6"
66"	3' - 3"	1' - 3"	7' - 5"	1' - 0"	3' - 9"
72"	3' - 4"	1' - 3"	7' - 11"	1' - 0"	4' - 0"

TABLE OF REINFORCING STEEL

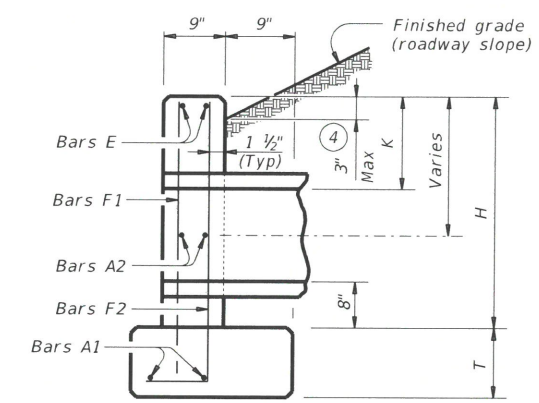
Bar	Size	Spa	No.
A1	#5	~	2
A2	#5	1' - 6"	~
E	#5	~	2
F	#5	1' - 0"	~



ELEVATION



PLAN OF NON-SKEWED PIPES



SECTION AT CENTER OF PIPE

MATERIAL NOTES:
 Provide Grade 60 reinforcing steel.
 Provide Class C concrete (f'c = 3,600 psi).

GENERAL NOTES:
 Designed according to AASHTO LRFD Bridge Design Specifications.
 Do not mount bridge rails of any type directly to these culvert headwalls.
 This standard may not be used for wall heights, H, exceeding the values shown.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing dimensions are out-to-out of bars.

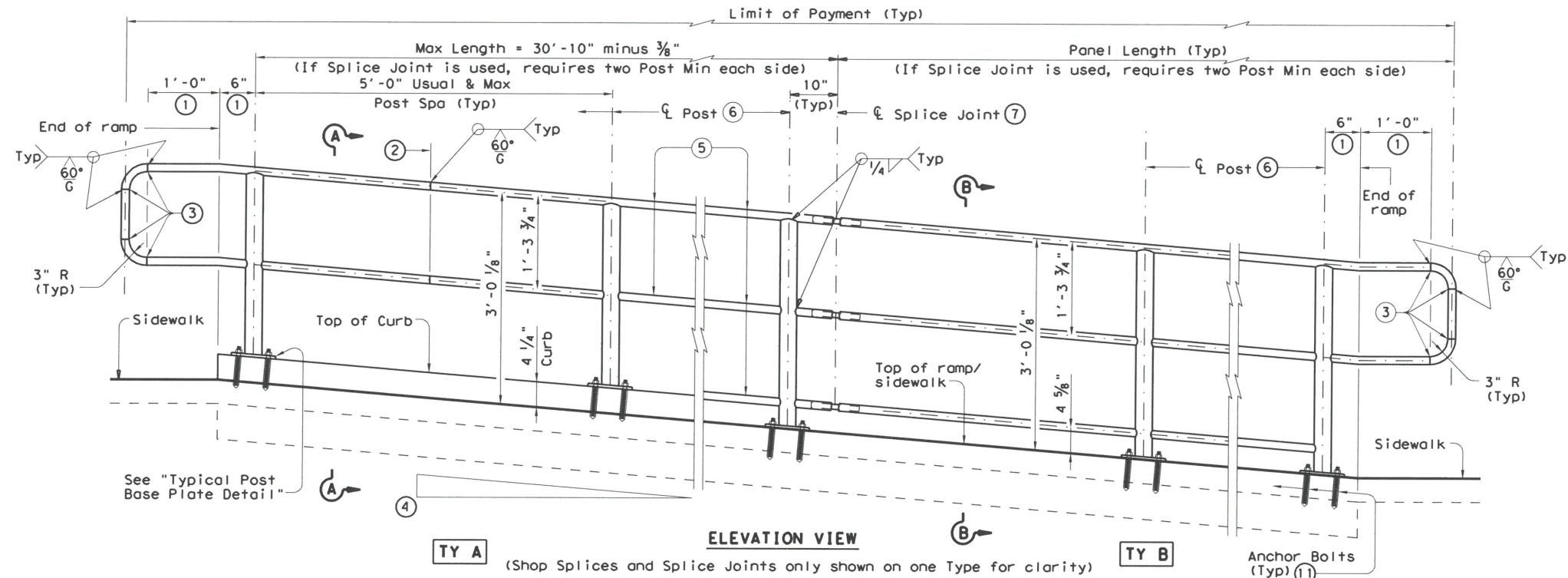
CONCRETE HEADWALLS WITH PARALLEL WINGS FOR NON-SKEWED PIPE CULVERTS

CH-PW-0

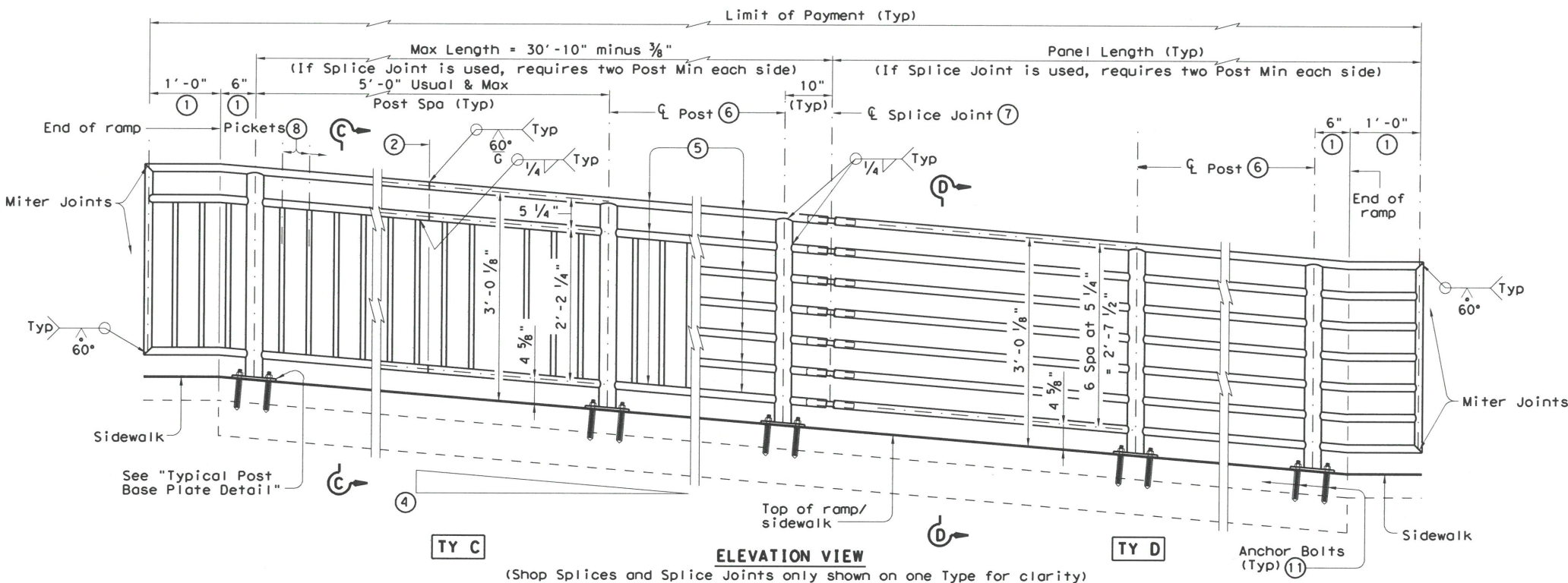
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REVISIONS	DIST	COUNTY	SHEET NO.	

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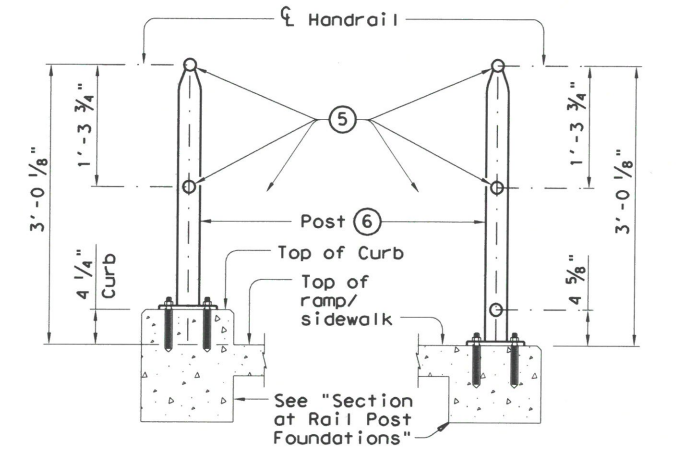
ELEVATION VIEW
(Shop Splices and Splice Joints only shown on one Type for clarity)



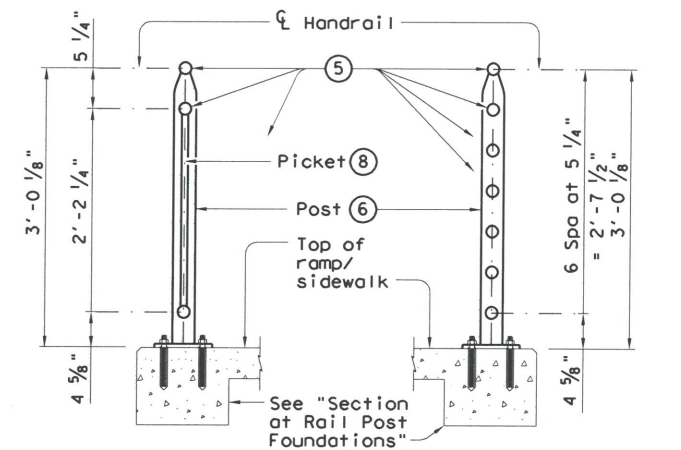
ELEVATION VIEW
(Shop Splices and Splice Joints only shown on one Type for clarity)

- ① Parallel to ground.
- ② One shop splice per panel is permitted with minimum 85 percent penetration. The weld may be square groove or single vee groove. Grind smooth.
- ③ Shop splice is permitted with minimum 85 percent penetration. The weld may be square groove or single vee groove. Grind smooth.
- ④ See Ramp Details located elsewhere in plans for ramp slope and dimensions. Maximum ramp slope will not exceed 8.3 percent. Level landing required for each 30" rise if grade exceeds 5 percent.
- ⑤ 1 1/2" Dia. Standard Pipe (1.900" O.D., 0.145" wall thickness). Parallel to ramp / sidewalk. Provide holes as needed in 1 1/2" Dia. pipe for galvanizing drainage and venting.
- ⑥ 2 1/2" Dia. Standard Pipe (2.875" O.D., 0.203" wall thickness). See "Post Mount Detail" for crimping and trimming post to fit Dia. of top rail. Provide holes as needed in post for galvanizing drainage and venting. Plumb all posts.
- ⑦ See "Handrail Fabrication Details" for Splice Joints.
- ⑧ 5/8" Dia. Round Bar equal spacing at 4 1/2" Max. Plumb all pickets.
- ⑨ When needed for accessibility (grade > 5 percent) or as needed for pedestrian safety.
- ⑩ Not to be used on bridges.
- ⑪ See "General Notes" for anchor bolt information.

RECOMMENDED USAGE ⑨ ⑩	
Dropoff Height/Condition	Recommended Rail Options
<30" dropoff	TY A, TY B, TY C, or TY D
≥ 30" dropoff, or along Bike Path	TY E or TY F



SECTION A-A (Showing Handrail TY A)
SECTION B-B (Showing Handrail TY B)



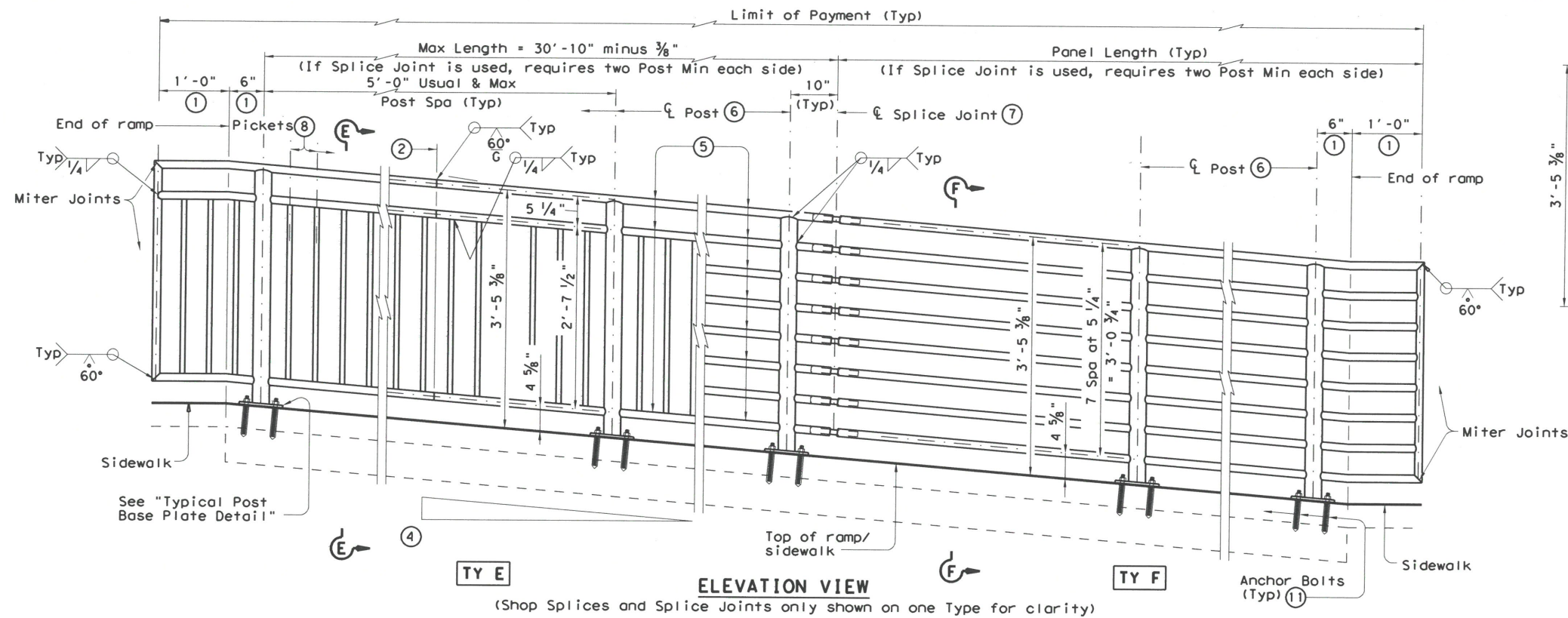
SECTION C-C (Showing Handrail TY C)
SECTION D-D (Showing Handrail TY D)

SHEET 1 OF 3

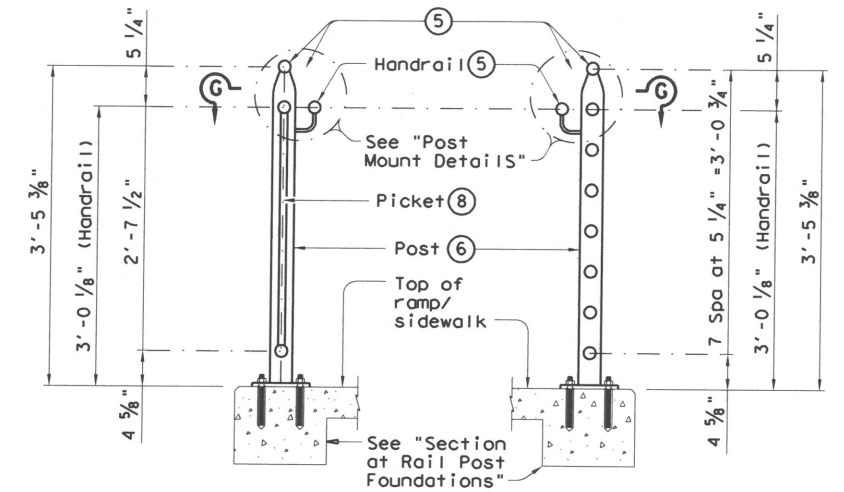
		Design Division Standard	
<h1>PEDESTRIAN HANDRAIL DETAILS</h1> <h2>PRD-13</h2>			
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© TxDOT December 2006	CONT	SECT	JOB
REVISED MAY, 2013 (VP)	DIST	COUNTY	SHEET NO.

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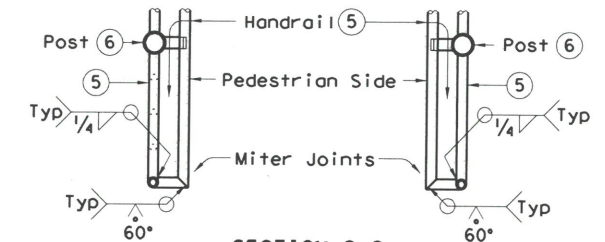
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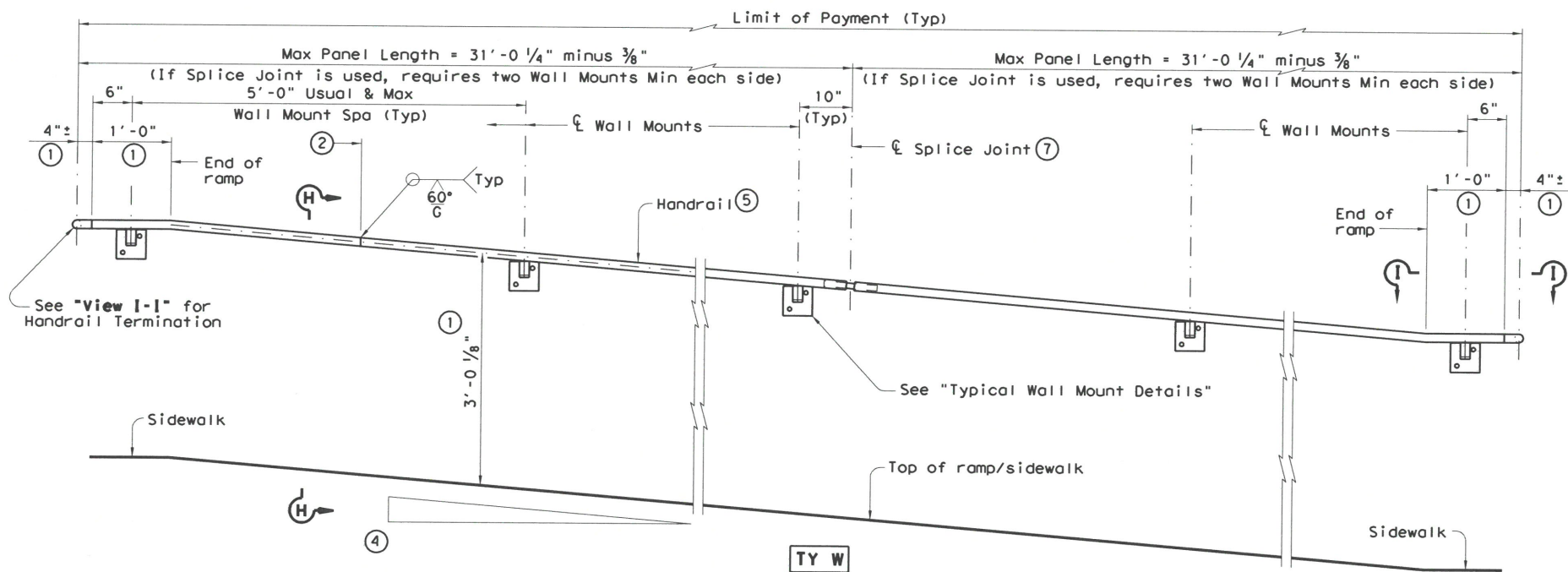
ELEVATION VIEW
(Shop Splices and Splice Joints only shown on one Type for clarity)



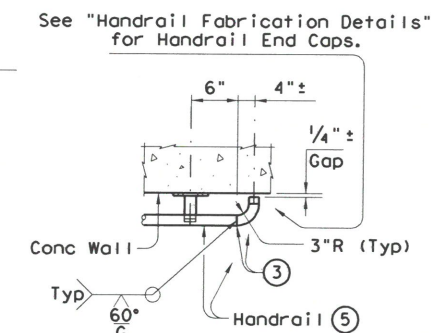
SECTION E-E
(Showing Handrail TY E) **SECTION F-F**
(Showing Handrail TY F)



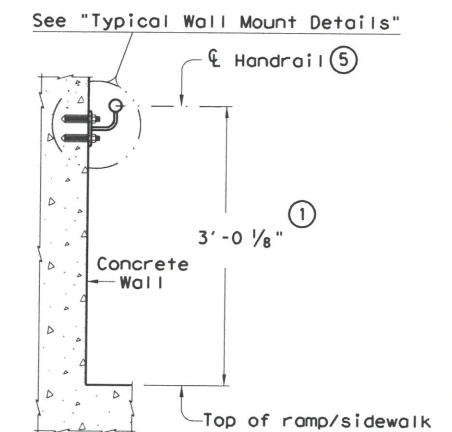
SECTION G-G
(Showing Handrail Termination)



ELEVATION VIEW



VIEW I-I
(Showing Handrail Termination)



SECTION H-H
(Showing Handrail TY W)

- ① Parallel to ground.
- ② One shop splice per panel is permitted with minimum 85 percent penetration. The weld may be square groove or single vee groove. Grind smooth.
- ③ Shop splice is permitted with minimum 85 percent penetration. The weld may be square groove or single vee groove. Grind smooth.
- ④ See Ramp Details located elsewhere in plans for ramp slope and dimensions. Maximum ramp slope will not exceed 8.3 percent. Level landing required for each 30" rise if grade exceeds 5 percent.
- ⑤ 1 1/2" Dia. Standard Pipe (1.900" O.D., 0.145" wall thickness). Parallel to ramp / sidewalk. Provide holes as needed in 1/2" Dia. pipe for galvanizing drainage and venting.
- ⑥ 2 1/2" Dia. Standard Pipe (2.875" O.D., 0.203" wall thickness). See "Post Mount Detail" for crimping and trimming post to fit Dia. of top rail. Provide holes as needed in post for galvanizing drainage and venting. Plumb all posts.
- ⑦ See "Handrail Fabrication Details" for Splice Joints.
- ⑧ 1/2" Dia. Round Bar equal spacing at 4 1/2" Max. Plumb all pickets.
- ⑪ See "General Notes" for anchor bolt information.

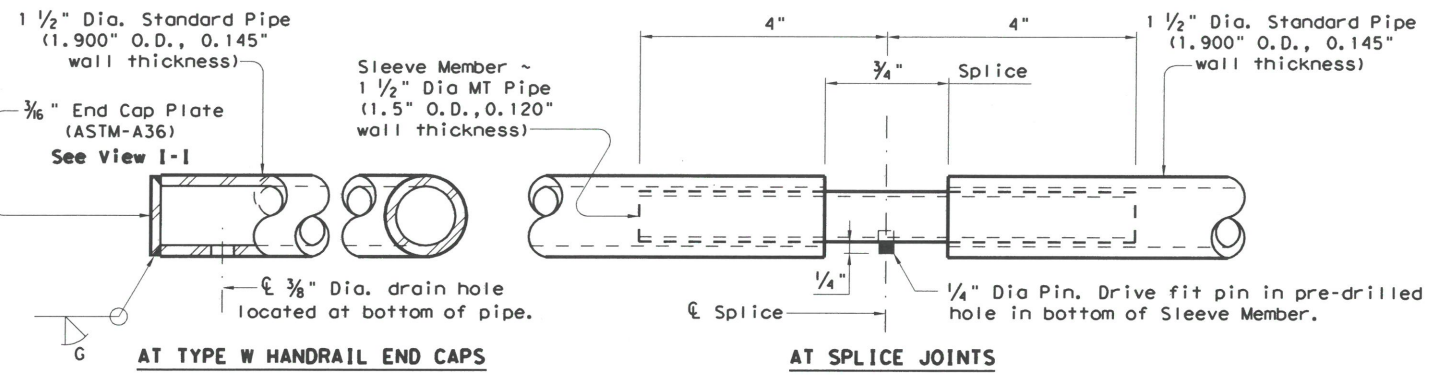
SHEET 2 OF 3



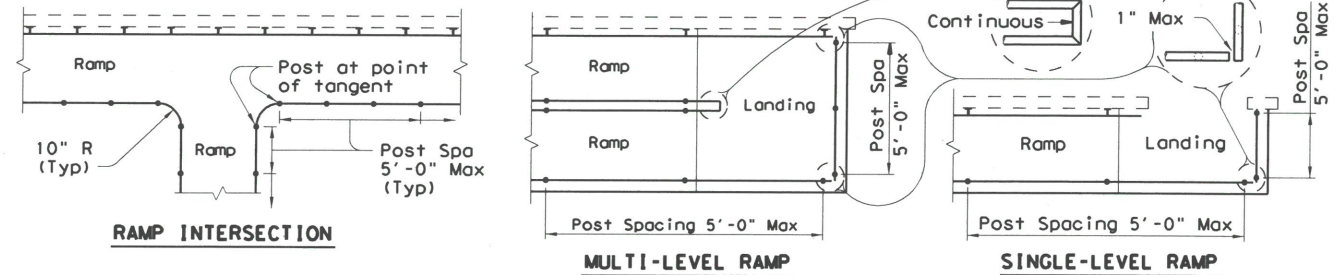
**PEDESTRIAN HANDRAIL
DETAILS
PRD-13**

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HANDRAIL FABRICATION DETAILS



PLAN SHOWING RAIL AT RAMP CONDITIONS

GENERAL NOTES

Designed according to ADAAG, Texas Accessibility Standards, Uniform Building Code, and AASHTO LRFD Specifications.

Handrail anchorage details shown on this standard may require modification for select structure types. See appropriate details elsewhere in plans for these modifications.

Pipe will conform to ASTM-A53 Grade B or A500 Grade B. Steel plates and steel bars will conform to ASTM-A36. Mechanical tubing (MT) will conform to ASTM A513 Grade 1015 or higher. Galvanize all steel components except reinforcing steel unless noted otherwise.

Concrete for foundations will be in accordance with Item 531 "Sidewalks". All reinforcing steel must be Grade 60. Bar laps, where required, will be as follows: Uncoated - #4 = 1'-5" Epoxy coated - #4 = 2'-1"

When the plans require painted steel, follow the requirements for painting galvanized steel in Item 446, "Cleaning and Painting Steel". Sleeve Members will receive galvanization and only get field painted after installation unless directed otherwise by Engineer.

Epoxy Anchor bolts for wall mount and post base plate will be 5/8 inch diameter ASTM A36 threaded rods with one hex nut and one hardened steel washer at each bolt. 3/8 inch diameter threaded rod embedment depth for wall mounts is 3 1/2 inches and embedment depth for post base plate is 5 inches.

Embed threaded rods into concrete with a Type III (Class C) epoxy meeting the requirements of DMS-6100, "Epoxyes and Adhesives". Mix and dispense adhesive with the manufacturer's static mixing nozzle/dual cartridge system. Core drill holes (percussion drilling not permitted).

At the contractor's option the post base plate anchor bolts may be cast with the Ramp/Sidewalk (See Cast-in-Place Anchor Bolt Options).

Optional cast-in-place anchor bolts will be 5/8 inch diameter ASTM A307 Grade A bolts (or A36 threaded rods with one tack welded hex nut each) with one hex nut and one hardened steel washer at each bolt. Embedment depth of cast-in-place bolt will be 8 inches for post base plate.

Handrails and any wall or other surface adjacent to them will be free of any sharp or abrasive elements.

Submit shop drawings to the Engineer unless otherwise noted. For curved handrail applications, fabricate the handrail to the curve if radius is less than 600 feet. Shop drawings are required when rail is fabricated to the curve.

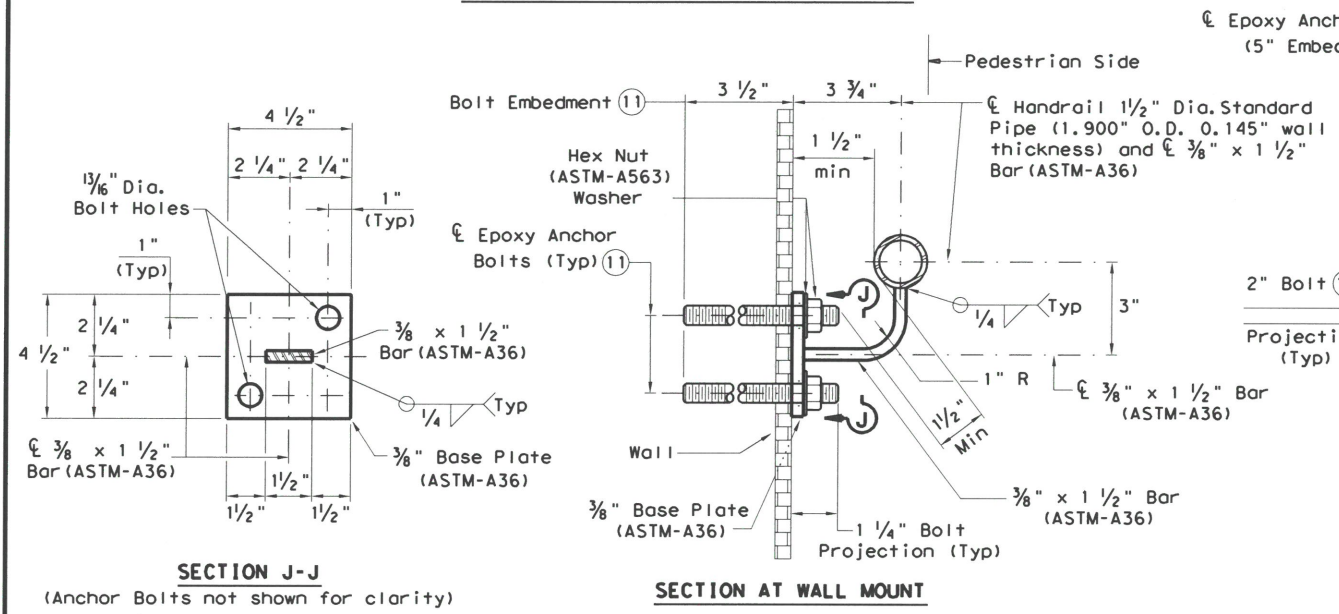
For all handrails, erection drawings will be submitted to the Engineer for approval to ensure proper installation.

Drawings will show handrail mount locations with bolts setting, spacing, ramp slope, and/or splice joint locations, and handrail lengths with identification showing where each handrail goes on the layout.

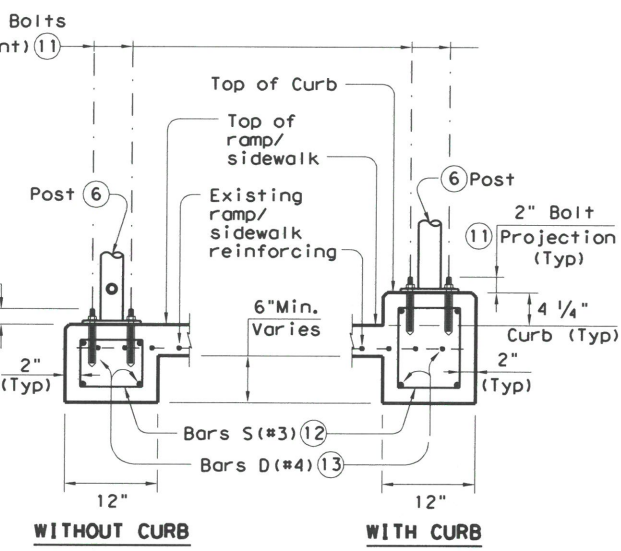
Payment for concrete sidewalks or curb ramps will be paid for in accordance with Item 531 "Sidewalks".

Payment for all items shown is to be included in unit price bid in accordance with Item 450 "Railing" of the type specified.

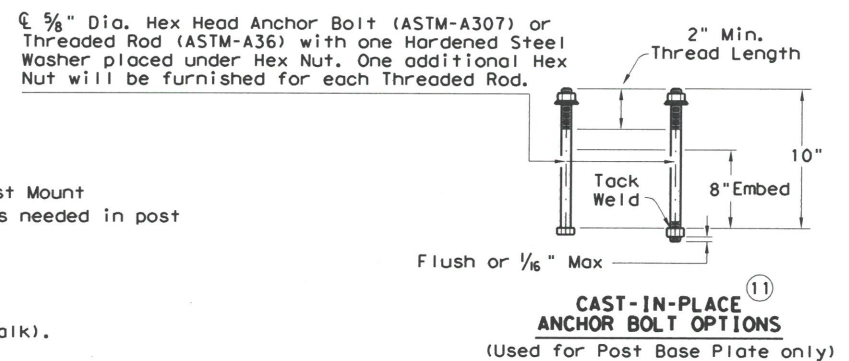
All exposed edges will be rounded or chamfered to approximately 1/8 inch by grinding.



TYPICAL WALL MOUNT DETAILS

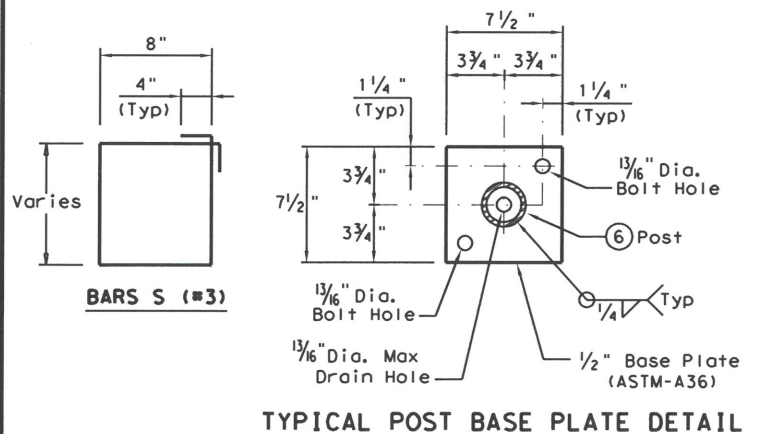


SECTION AT RAIL POST FOUNDATIONS

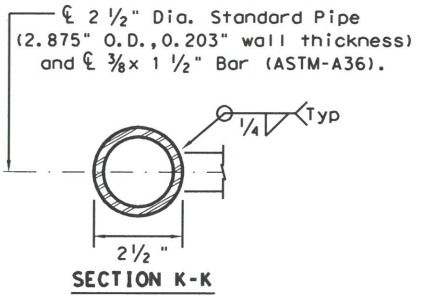


CAST-IN-PLACE ANCHOR BOLT OPTIONS
(Used for Post Base Plate only)

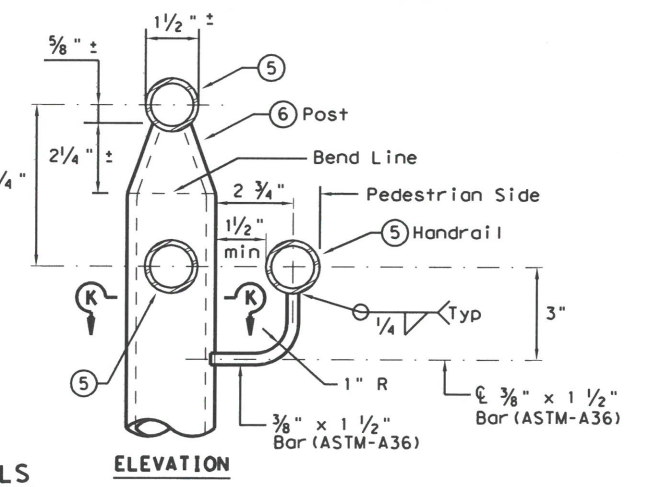
- (5) 1 1/2 inch Dia. Standard Pipe (1.900" O.D., 0.145" wall thickness). Parallel to ramp/sidewalk. Provide holes as needed in 1 1/2 inch Dia. pipe for galvanizing drainage and venting.
- (6) 2 1/2 inch Dia. Standard Pipe (2.875" O.D., 0.203" wall thickness). Plumb all posts. See "Post Mount Detail" for crimping and trimming post to fit the diameter of top rail. Provide holes as needed in post for galvanizing drainage and venting.
- (11) See "General Notes" for anchor bolt information.
- (12) Bars S (#3) spaced at 12" Max (Spaced 3" from outside edge of overall length of Ramp/Sidewalk).
- (13) Provide 1 1/2 inch end cover to Bars D (#4) from outside edge of overall length of Ramp/Sidewalk.



TYPICAL POST BASE PLATE DETAIL



POST MOUNT DETAILS



ELEVATION

PEDESTRIAN HANDRAIL DETAILS
PRD-13

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