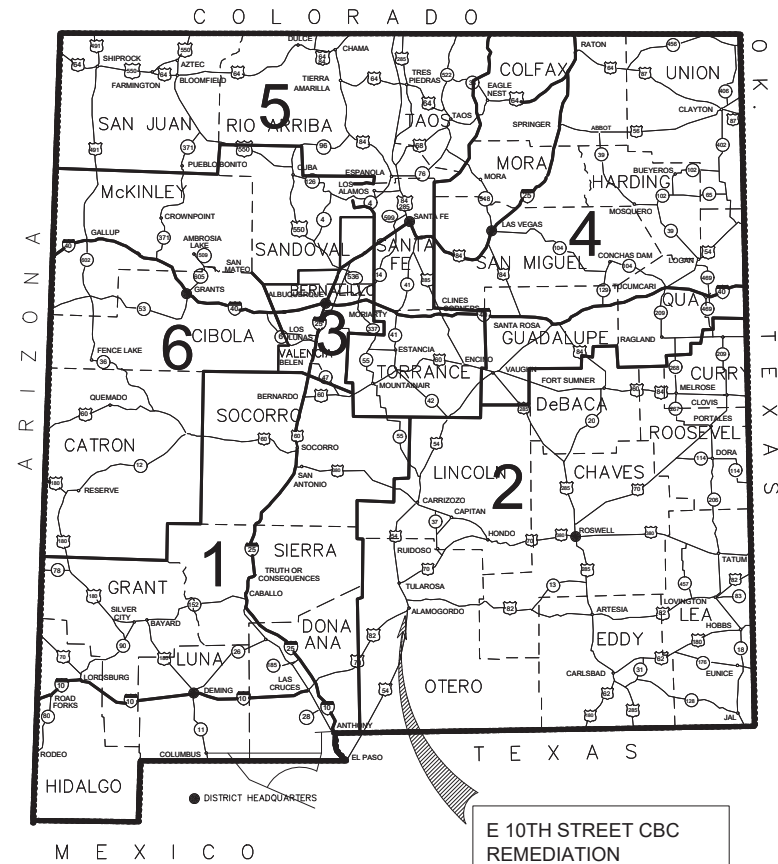


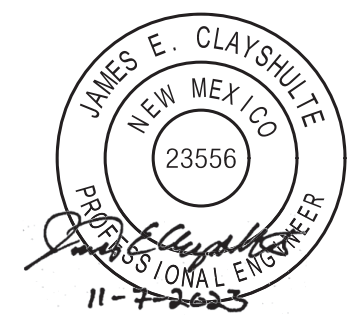
# CONSTRUCTION PLANS FOR E 10TH STREET CBC REMEDIATION CITY OF ALAMOGORDO, NEW MEXICO PROJECT NO. 20230298



CITY OF  
**ALAMOGORDO**  
NEW MEXICO

NO.	DATE	BY	DESCRIPTION
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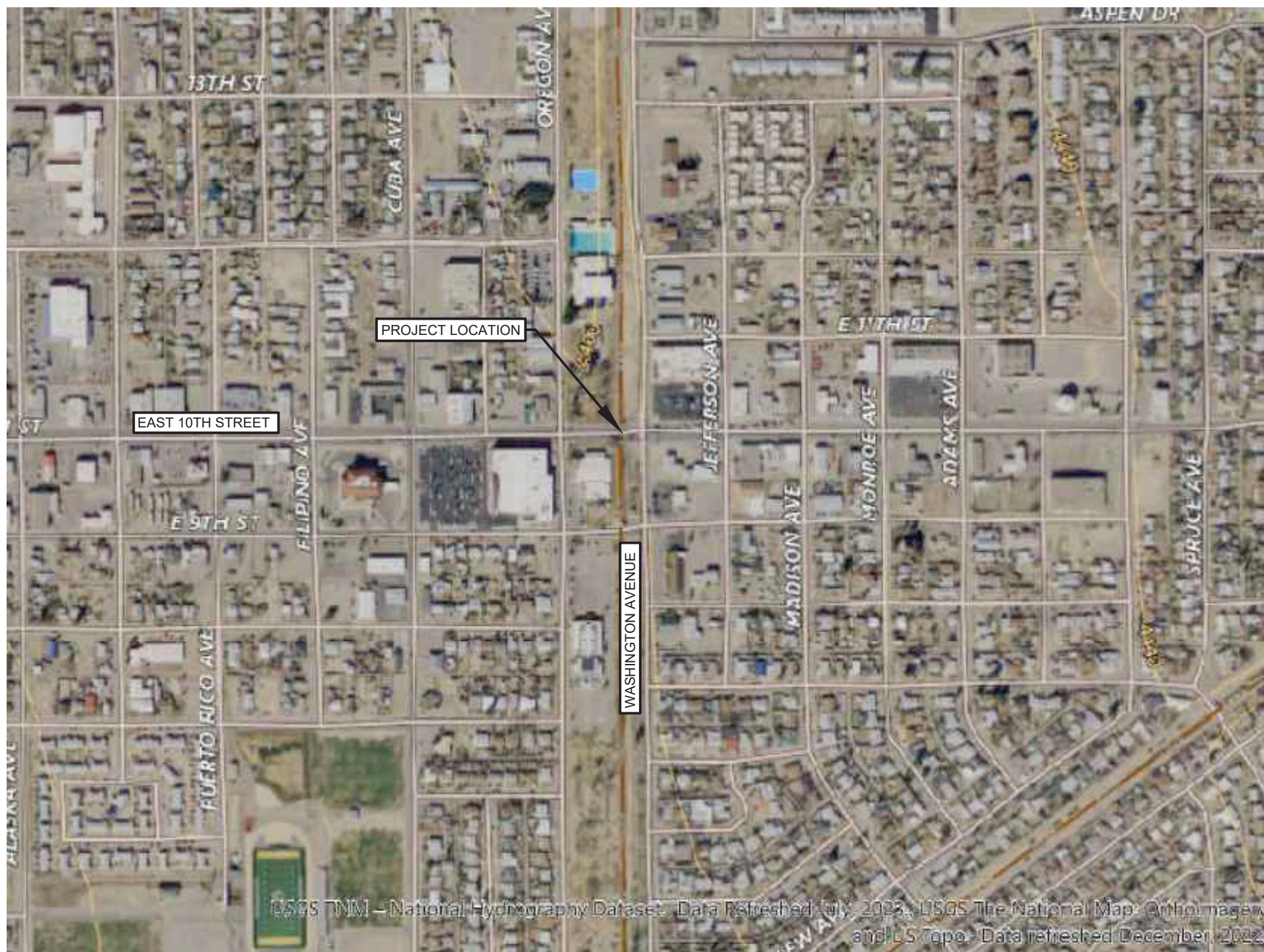
20230298  
E. 10TH STREET CBC REMEDIATION  
COVER SHEET



DESIGNED BY: JEC    DRAWN BY: JEC    CHECKED BY: RCC    PLOT DATE: 11/14/2023

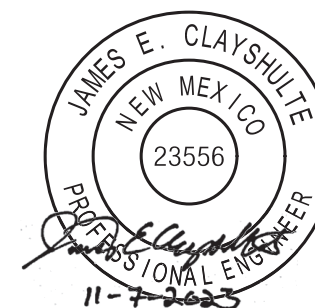
APPROVED FOR CONSTRUCTION: \_\_\_\_\_ DATE: \_\_\_\_\_





**VICINITY MAP**

SCALE: N.T.S



CITY OF  
**ALAMOGORDO**  
NEW MEXICO

NO.	DESCRIPTION	DATE	BY
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20230298  
E. 10TH STREET CBC REMEDIATION  
VICINITY MAP

DESIGNED BY: JEC DRAWN BY: JEC CHECKED BY: RCC PLOT DATE: 11/14/2023

APPROVED FOR CONSTRUCTION: \_\_\_\_\_ DATE: \_\_\_\_\_

### INDEX OF SHEETS

SHEET NO.	DESCRIPTION
SERIES 1	
1-1	COVER SHEET
1-2	VICINITY MAP
1-3	INDEX OF SHEETS
1-4	SUMMARY OF QUANTITIES
1-5	GENERAL NOTES
	SHEET SUBTOTAL = 5
SERIES 2 NOT USED	
	SHEET SUBTOTAL = 0
SERIES 3 NOT USED	
	SHEET SUBTOTAL = 0
SERIES 4 NOT USED	
	SHEET SUBTOTAL = 0
SERIES 5	
5-1	GENERAL STRUCTURAL NOTES
5-2	ESTIMATED QUANTITIES
5-3	STRUCTURE LOCATION PLAN
5-4	WALL DETAILS SHEET 1 OF 2
5-5	WALL DETAILS SHEET 2 OF 2
	SHEET SUBTOTAL = 5

### INDEX OF SHEETS

SHEET NO.	DESCRIPTION
SERIES 6	
6-1	EASTBOUND WORK ZONE
6-2	WESTBOUND WORK ZONE
6-3	PEDESTRIAN DETOUR & SIDEWALK CLOSURE
	SHEET SUBTOTAL = 3
SERIES 7 NOT USED	
7-1	STRIPING PLAN
	SHEET SUBTOTAL = 1
SERIES 8 NOT USED	
	SHEET SUBTOTAL = 0
SERIES 9 NOT USED	
	SHEET SUBTOTAL = 0
SERIES 10 NOT USED	
	SHEET SUBTOTAL = 0
SERIES 11 NOT USED	
	SHEET SUBTOTAL = 0
	PROJECT TOTAL SHEETS = 14

CITY OF ALAMOGORDO NEW MEXICO

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20230298  
E. 10TH STREET CBC REMEDIATION  
INDEX OF SHEETS



DESIGNED BY: JEC DRAWN BY: JEC CHECKED BY: RCC PLOT DATE: 11/14/2023

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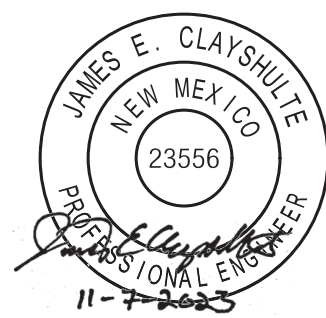
### SUMMARY OF QUANTITIES

ITEM SPECIFICATIONS			ROADWAY		BRIDGE		CONSTRUCTION SIGNING		PERMANENT SIGNING		CONSTRUCTION ENGINEERING		UTILITIES		PROJECT TOTAL	
			ITEM NO.	DESCRIPTION	BID UNIT	ESTIMATE	TOTAL	ESTIMATE	TOTAL	ESTIMATE	TOTAL	ESTIMATE	TOTAL	ESTIMATE	TOTAL	ESTIMATE
207000	SUBGRADE PREPARATION	S.Y.	187												187	
210002	MAJOR STRUCTURE EXCAVATION	C.Y.			303										303	
210003	MAJOR STRUCTURE BACKFILL	C.Y.			303										303	
416207	MINOR PAVING TYPE II, HMA SP-IV	S.Y.	187												187	
511030	STRUCTURAL CONCRETE, CLASS AA	C.Y.			34										34	
533000	REPAIR OF CONCRETE STRUCTURES	S.Y.			10										10	
540060	REINFORCING BARS GRADE 60	LB			9000										9000	
601000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS			LS										LS	
601110	REMOVAL OF SURFACING	S.Y.	187												187	
607079	PEDESTRIAN/BICYCLE RAILING	L.F.			61										61	
608004	CONCRETE SIDEWALK 4"	S.Y.	62												62	
609424	CONCRETE VERTICAL CURB AND GUTTER TYPE B 6"X24"	L.F.	61												61	
618000	TRAFFIC CONTROL MANAGEMENT	LS	LS												LS	
621000	MOBILIZATION	LS	LS												LS	
702810	TRAFFIC CONTROL DEVICES FOR CONSTRUCTION	LS	LS												LS	
704000	RETROREFLECTORIZED PAINTED MARKINGS 4"	L.F.	3180												3180	
704005	RETROREFLECTORIZED PAINTED MARKINGS 24"	L.F.	580												580	
704010	RETROREFLECTORIZED PAINTED MARKING LEFT ARROW	EACH	4												4	
704012	RETROREFLECTORIZED PAINTED MARKING WORD (ONLY)	EACH	2												2	
704099	TEMPORARY RETROREFLECTORIZED PAINTED MARKINGS 4"	L.F.	3600												3600	
721000	REMOVAL OF PAVEMENT MARKING	L.F.	6780												6780	
721101	REMOVAL OF PAVEMENT MARKING SYMBOL	EACH	6												6	
	UTILITY CONFLICT ALLOWANCE	ALLOW			ALLOW										ALLOW	

CITY OF ALAMOGORDO NEW MEXICO

4	3	2	1	NO.
DATE	BY	DESCRIPTION		

20230298  
E. 10TH STREET CBC REMEDIATION  
SUMMARY OF QUANTITIES



DESIGNED BY: JEC    DRAWN BY: JEC    CHECKED BY: RCC    PLOT DATE: 11/14/2023

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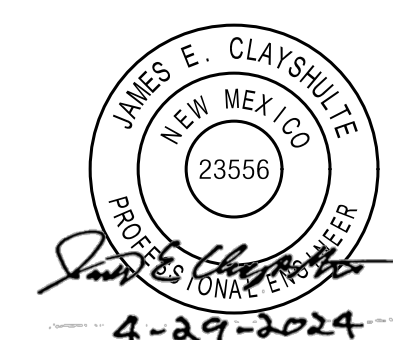
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ITEM NO.	DESCRIPTION	BID UNIT	ESTIMATE	TOTAL	ESTIMATE	TOTAL	ESTIMATE	TOTAL	ESTIMATE	TOTAL	ESTIMATE	TOTAL	ESTIMATE	TOTAL	ESTIMATE	TOTAL
207000	SUBGRADE PREPARATION	S.Y.	377												377	
210002	MAJOR STRUCTURE EXCAVATION	C.Y.		303											303	
210003	MAJOR STRUCTURE BACKFILL	C.Y.		303											303	
416207	MINOR PAVING TYPE II, HMA SP-IV	S.Y.	377												377	
511030	STRUCTURAL CONCRETE, CLASS AA	C.Y.		34											34	
533000	REPAIR OF CONCRETE STRUCTURES	S.Y.		10											10	
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601000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS		LS											LS	
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608004	CONCRETE SIDEWALK 4"	S.Y.	62												62	
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618000	TRAFFIC CONTROL MANAGEMENT	LS	LS												LS	
621000	MOBILIZATION	LS	LS												LS	
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721101	REMOVAL OF PAVEMENT MARKING SYMBOL	EACH	6												6	
	UTILITY CONFLICT ALLOWANCE	ALLOW			ALLOW										ALLOW	

CITY OF ALAMOGORDO NEW MEXICO

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1	REVISED ROADWAY QUANTITIES	JEC	4/29/24
NO.	DESCRIPTION	BY	DATE

20230298  
E. 10TH STREET CBC REMEDIATION  
SUMMARY OF QUANTITIES



# GENERAL NOTES

1. THE CITY OF ALAMOGORDO TECHNICAL STANDARDS, LATEST EDITION, AND NEW MEXICO DEPARTMENT OF TRANSPORTATION (NMDOT) STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, LATEST ADDITION, SHALL GOVERN CONSTRUCTION OF THIS PROJECT, IN THAT ORDER OF PRECEDENCE, AT THE TIME OF CONSTRUCTION BID.
2. GENERAL NOTES SHALL APPLY TO ALL SHEETS, EXCEPT WHERE MORE SPECIFIC INFORMATION IS PROVIDED. SEE INDIVIDUAL DRAWINGS FOR ADDITIONAL ABBREVIATIONS, SYMBOLS, LEGENDS, NOTES, DETAILS, AND OTHER REQUIREMENTS. IN ALL CASES, THE INFORMATION SHOWN ON INDIVIDUAL DRAWINGS SHALL GOVERN OVER ANY GENERAL INFORMATION. NOT ALL SPECIFIED ITEMS AND/OR STANDARD DETAILS SHOWN MAY BE APPLICABLE TO THIS PROJECT.
3. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL WORK AREAS IN SAFE CONDITION FOR THE PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE FOR ALL CONTRACTOR PERSONNEL AND SUBCONTRACTOR PERSONNEL WITH APPLICABLE CURRENT FEDERAL, OSHA, STATE, COUNTY, AND CITY LAWS, ORDINANCES, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA TRENCH SAFETY RULES AND REGULATIONS APPLICABLE TO THIS PROJECT. THE CONTRACTOR SHALL INSTALL, AT A MINIMUM, SAFETY FENCING 48-INCHES IN HEIGHT AROUND THE PERIMETER OF OPEN TRENCHES AND REMOVAL AREAS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
4. ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS BY THE CONTRACTOR MUST BE ACCEPTED BY THE ENGINEER, IN WRITING, PRIOR TO THE WORK BEING DONE. ANY DEVIATIONS PERFORMED WITHOUT THE ENGINEER'S APPROVAL WILL NOT BE PAID FOR AND MAY BE REQUIRED TO BE RECONSTRUCTED OR REMOVED AT THE CONTRACTOR'S EXPENSE.
5. THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO LOCAL BUSINESSES AND RESIDENCES FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ADVISE PROPERTY OWNERS AND THE ENGINEER OF ANY ACCESS MODIFICATIONS, AT LEAST 24 HOURS IN ADVANCE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REQUEST AND OBTAIN ALL PERMITS NECESSARY FOR THIS PROJECT PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CURRENT FEDERAL, OSHA, STATE, COUNTY, AND CITY LAWS, ORDINANCES, RULES AND REGULATIONS.
7. MAINTENANCE OF RECORD DRAWINGS. THE CONTRACTOR SHALL MAINTAIN AN UP-TO-DATE SET OF RECORD DRAWINGS FOR THE PROJECT. THESE PLANS SHALL BE KEPT CURRENT WITHIN TWO WEEKS AND SHALL BE SUBJECT TO REVIEW BY THE PROJECT REPRESENTATIVE FOR COMPLETENESS AT LEAST ONCE A MONTH. THE CONTRACTOR SHALL SUBMIT AN ELECTRONIC VERSION OF THE FINAL RECORD DRAWINGS TO THE PROJECT REPRESENTATIVE PRIOR TO FINAL PAYMENT. THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENTS OR PAYMENT WILL BE MADE THEREFOR.
8. THE CONTRACTOR WILL BE RESPONSIBLE FOR PURCHASING ALL OF THE RECLAIMED WATER NEEDED FOR CONSTRUCTION FROM THE CITY OF ALAMOGORDO. THE COST WILL BE DETERMINED IN ACCORDANCE WITH THE CURRENT RECLAIMED WATER RATES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO TRANSPORT AND APPLY THE RECLAIMED WATER AS SPECIFIED OR AS ORDERED BY THE ENGINEER. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FOR LOCATION OF SOURCES. THIS COST SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OF PAYMENT WILL BE MADE THEREFORE.
9. THE CONTRACTOR MUST MAINTAIN WATER SERVICE AT ALL TIMES AS DIRECTED BY THE ENGINEER. IF AN INTERRUPTION OF SERVICE IS UNAVOIDABLE, THE CONTRACTOR SHALL NOTIFY ALL AFFECTED RESIDENTS ON A DOOR-TO-DOOR BASIS OR AS AGREED WITH THE ENGINEER. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FOR ALL WATER SHUT-OFFS.
10. EARTHWORK HAUL: THE EARTHWORK HAUL ON THIS PROJECT WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR ITEMS 203000 - UNCLASSIFIED EXCAVATION, 210002 - MAJOR STRUCTURE EXCAVATION, AND ITEM 210003 - MAJOR STRUCTURE BACKFILL AS APPLICABLE, AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR HAUL.
11. PAVEMENT DROP-OFF POLICY: IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION IN ACCORDANCE WITH THE NMDOT'S CURRENT "DROP-OFF POLICY". THE POLICY IS AVAILABLE FROM THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
12. THE CONTRACTOR SHALL WARP SLOPES WHERE NECESSARY TO STAY WITHIN THE RIGHT OF WAY OR CONSTRUCTION EASEMENT LIMITS.
13. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN 28 FEET FROM THE EDGE OF THE DRIVING LANE UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. ALL EQUIPMENT AND MATERIAL STORED IN STAGING YARD SHALL BE PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. IN NO CASE SHALL THE CONTRACTOR STORE EQUIPMENT OR MATERIAL IN THE DRIVING LANE. THE SAFETY DESIGN FOR SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE ENGINEER BEFORE IMPLEMENTING. THIS WORK, INCLUDING DESIGN, INSTALLATION AND REMOVAL OF THE SHIELDING, SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
14. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT HORIZONTAL AND VERTICAL CONTROL SURVEY MONUMENTS AND CONTROL POINTS FROM DAMAGE PRIOR TO INITIATING CONSTRUCTION. AN INVENTORY OF THE EXISTING MONUMENTS WILL BE TAKEN BY THE ENGINEER AND THE CONTRACTOR PRIOR TO START OF CONSTRUCTION. IF, DURING THE COURSE OF CONSTRUCTION OPERATIONS, THE CONTRACTOR DISTURBS OR DESTROYS A MARK, THE CONTRACTOR SHALL ESTABLISH A NEW MARK IN COMPLIANCE WITH THE STANDARDS AND PROCEDURES SET FORTH IN THE "GEODETIC MARK PRESERVATION GUIDEBOOK ". NATIONAL GEODETIC SURVEY, MARCH 1990, CONTACT: NGS MARK PRESERVATION CENTER-NOAA, TELEPHONE (505) 768-3606.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED TO COMPLETE THE PROJECT. REMOVALS NOT SHOWN ON THE PLANS WILL BE DESIGNATED BY THE ENGINEER. THIS WORK WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR ITEM 601000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS AND THE CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR UNLISTED REMOVALS. ITEMS THAT ARE SCHEDULED TO BE REMOVED AND REPLACED SHALL BE REPLACED WITHIN SEVEN (7) DAYS OF THEIR REMOVAL.
16. THE CONTRACTOR SHALL SAW CUT PAVEMENT, CONCRETE SIDEWALK, CONCRETE DRIVE WAYS AND CURB AND GUTTER AT TIE-INS AS REQUIRED FOR A SMOOTH TRANSITION. THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
17. WASTE MATERIALS FROM THE PROJECT MUST BE DISPOSED OF AT A STATE APPROVED SITE. THIS WORK WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR ITEM 601000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR. NO SALVAGEABLE MATERIALS HAVE BEEN IDENTIFIED ON THIS PROJECT.
18. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND AND OVERHEAD UTILITIES AND SHALL COORDINATE ALL WORK WITH UTILITY OWNERS. ALL IMPROVEMENTS WHICH ARE DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED, RECONSTRUCTED OR REPLACED WITHIN 24 HOURS TO THE ENGINEER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE WITHOUT ADDITIONAL COMPENSATION.
19. THE CONTRACTOR IS HEREBY ADVISED THAT UTILITY RELOCATION WORK BY THE UTILITY OWNERS MAY BE PERFORMED CONCURRENT WITH CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE FOR UTILITY WORK IN CONJUNCTION WITH CONSTRUCTION OPERATIONS AND SHALL BE REQUIRED TO COORDINATE THE SCHEDULING OF WORK WITH THE RESPECTIVE UTILITY OWNERS.
  - CITY OF ALAMOGORDO WATER BILLING; 1376 E. NINTH STREET ALAMOGORDO, NM; NICOLE SIERRA (575) 439-4260
  - CITY OF ALAMOGORDO PUBLIC WORKS; 2600 N. FLORIDA AVE ALAMOGORDO, NM 88062; (575) 439-4390
  - PNM ELECTRIC; ISAAC MUNCY (575) 430-2171
  - NM GAS COMPANY; TIM TURRI (575) 443-6424 OR ORLANDO MARTINEZ (575) 202-9525
20. THE CONTRACTOR SHALL EMPLOY A LICENSED NEW MEXICO SURVEYOR AND SHALL FIELD VERIFY ALL ELEVATIONS, DIMENSIONS, AND RIGHT-OF-WAY PRIOR TO THE BEGINNING OF CONSTRUCTION. THE ELEVATIONS WERE BASED ON AS-BUILT AND FIELD SURVEY DATA. THE CONTRACTOR SHALL LIMIT ALL WORK ON THIS PROJECT TO WITHIN THE EXISTING RIGHT-OF-WAY AND EASEMENTS. THIS WORK IS INCLUDED IN ITEM 801000 - CONSTRUCTION STAKING BY THE CONTRACTOR AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
21. UTILITY DISCLAIMER: UTILITY LOCATIONS SHOWN HEREON ARE BASED ON THE BEST AVAILABLE EVIDENCE INCLUDING PHYSICAL FEATURES SUCH AS VALVES, PEDESTALS, WARNING MARKERS AND SPOTS BY UTILITY LOCATING SERVICES. THERE IS NO GUARANTEE AS TO THE COMPLETENESS OR ACCURACY OF THE UTILITY DATA SHOWN ON THE PLANS. THE CONTRACTOR SHALL CONTACT ALL UTILITY OWNERS TO VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE CONFLICT WITH MINIMUM DELAY. EXCAVATION TO VERIFY LOCATIONS SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT, NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
22. THE CONTRACTOR SHALL MAINTAIN AND CONTROL TRAFFIC AS OUTLINED IN THE "MUTCD, LATEST EDITION" DURING CONSTRUCTION. ANY NECESSARY DEVIATION FROM THE "MUTCD, LATEST EDITION" SHALL HAVE PRIOR APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL SUBMIT A COPY OF TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL, PRIOR TO START OF CONSTRUCTION. PREPARATION OF THE TRAFFIC CONTROL PLAN SHALL BE CONSIDERED INCIDENTAL TO THE "TRAFFIC CONTROL" BID ITEM AND NO SEPARATE PAYMENT WILL BE MADE.
23. MAXIMUM WEIGHT OF TRUCKS SHALL CONFORM TO NMDOT STANDARDS. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED STREETS USED DURING CONSTRUCTION HAULING. REPLACEMENT OF DAMAGED STREETS SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
24. THE CONTRACTOR SHALL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS OR RIGHT-OF-WAY. PARKING OF EMPLOYEE'S PRIVATE VEHICLES SHALL NOT BE ALLOWED ALONG CONSTRUCTION AREAS THROUGHOUT CONSTRUCTION LIMITS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROHIBIT CONSTRUCTION ACTIVITIES AND CONSTRUCTION EQUIPMENT FROM DRIVING UPON, ACROSS, OR TURNING ON PRIVATE PROPERTY OUTSIDE OF EXISTING RIGHT OF WAY OR EASEMENTS UNLESS THE CONTRACTOR OBTAINS AGREEMENTS WITH PRIVATE PROPERTY OWNERS.
25. THE CONTRACTOR SHALL REPAIR OR REPLACE FENCES, BLOCK WALLS, OR SURFACE FEATURES DAMAGED BY CONTRACTOR'S OR SUBCONTRACTOR'S OPERATIONS, TO EXISTING OR BETTER CONDITION. REPAIR OR REPLACEMENT OF FENCES, BLOCK WALLS, OR SURFACE FEATURES SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
26. PRIOR TO INITIATING CONSTRUCTION OPERATIONS, CONTRACTOR, SHALL PERFORM DIGITAL VIDEO RECORDING OF THE ENTIRE PROJECT, ITS FULL LENGTH AND WIDTH. THE CONTRACTOR, SHALL ALSO INCLUDE OR ADD AS NECESSARY, ANY AREAS TO BE DISTURBED FOR MATERIAL STORAGE, EMPLOYEE PARKING OR EQUIPMENT STORAGE. THE VIDEO DOCUMENTATION SHALL BE COMPLETED IN DIGITAL FORMAT; IT SHALL BE A MINIMUM RESOLUTION OF 1920 X 1080 PIXELS, AT 60 FPS (FRAME PER SECOND) AND IN COLOR. THE VIDEO DOCUMENTATION SHALL BE PERFORMED BETWEEN 10:00 A.M. AND 2:00 P.M. DURING PERIODS OF FULL SUN EXPOSURE. THE ACTUAL DATE OF RECORDING SHALL BE DATE-STAMPED WITHIN EACH FRAME OF THE VIDEO. APPROVAL OF THE VIDEO MUST BE OBTAINED FROM THE ENGINEER PRIOR TO THE COMMENCEMENT OF ANY CLEARING AND GRUBBING OPERATIONS. A DVD COPY OF THE VIDEO RECORDING SHALL BE SUBMITTED TO THE ENGINEER, IN A FORMAT COMPATIBLE WITH STANDARD DVD PLAYERS. ALL COST ASSOCIATED WITH THE VIDEO RECORDING SPECIFIED IN THIS ARTICLE SHALL BE CONSIDERED INCIDENTAL TO OTHER RELATED ITEMS OF WORK AND NO SEPARATE PAYMENT WILL BE MADE UNLESS SPECIFICALLY INDICATED ELSEWHERE IN THE SPECIAL PROVISIONS.
27. PROJECT SITE(S) AND YARD(S) SHALL BE MAINTAINED BY CONTRACTOR AND KEPT IN A CLEAN AND ORDERLY MANNER TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
28. UTILITY CONFLICT ALLOWANCE IS AS SPECIFIED AND/OR SHOWN ON THE CONSTRUCTION DOCUMENTS, COMPLETE, IN PLACE AND ACCEPTED BY THE OWNER.
29. THE CONTRACTOR SHALL COORDINATE WITH SOUTHWEST DISPOSAL AND ALAMOGORDO PUBLIC SCHOOLS FOR ROADWAY CLOSURES.

# PROJECT NOTES

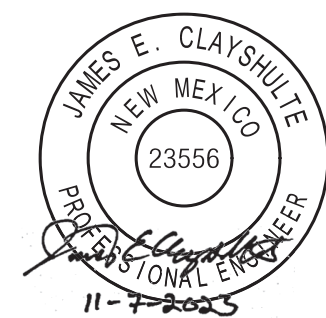
**GENERAL**  
THE INTENT OF THIS PROJECT IS TO REPAIR THE EAST 10TH STREET CONCRETE BOX CULVERT WINGWALLS, RECONSTRUCT ROADWAY APPROACHES, AND SIDEWALKS. THE SCOPE OF THE PROJECT APPLIES TO EAST 10TH STREET.

- UTILITY CONTACTS**
1. PNM ELECTRIC; ISAAC MUNCY, 575-430-2171.
  2. NEW MEXICO GAS COMPANY; ORLANDO MARTINEZ, 575-202-9525.
  3. SOUTHWEST DISPOSAL; REX MCCOURT, 575-434-1109
  4. CITY OF ALAMOGORDO PUBLIC WORKS; 2600 N. FLORIDA AVE., ALAMOGORDO, NM 88310, 575-439-4390.
  5. ALAMOGORDO PUBLIC SCHOOLS TRANSPORTATION; 575-812-6017



NO.	DESCRIPTION	DATE	BY
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20230298  
E. 10TH STREET CBC REMEDIATION  
GENERAL NOTES



DESIGNED BY: JEC DRAWN BY: JEC CHECKED BY: RCC PLOT DATE: 12/11/2023

APPROVED FOR CONSTRUCTION: \_\_\_\_\_ DATE: \_\_\_\_\_

### GENERAL NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO NMDOT SPECIFICATIONS AND SPECIAL PROVISIONS, CURRENT EDITIONS.
2. ALL CONCRETE SHALL BE CLASS "A". CHAMFER ALL EXPOSED EDGES 3/4", UNLESS NOTED OTHERWISE.
3. ALL REINFORCING BARS SHALL CONFORM TO AASHTO STANDARD SPECIFICATION M31, GRADE 60, UNLESS NOTED OTHERWISE. DIMENSIONS REFER TO CENTERLINE OF BAR, UNLESS NOTED OTHERWISE.
4. UNLESS NOTED OTHERWISE, ALL REINFORCING BARS SHALL HAVE 2" CLEAR COVER.
5. DIMENSIONS SHALL NOT BE SCALED FROM DRAWINGS.
6. ALL RETAINING WALLS SHALL HAVE EXPANSION JOINTS SPACED NO MORE THAN 90'-0" APART OR AS SHOWN, SEE DETAIL ON SHEET 5-5.
7. RETAINING WALL FOOTINGS SHALL BE CONTINUOUS WITH NO JOINT.
8. COHESIVE SOILS OF SILT, CLAY, ETC. SHALL NOT BE USED FOR BACKFILL. BACKFILL MATERIAL SHALL BE FREE-DRAINING.
9. ALL EARTHWORK INCLUDING BACKFILL MATERIAL COMPACTION SHALL CONFORM TO SECTION 210 OF THE NMDOT STANDARD SPECIFICATIONS, CURRENT EDITION.
10. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE ON THE DETAILS AND SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH AASHTO M111.
11. BEFORE AND AFTER THE CONCRETE OF THE WALL IS PLACED, THE CONTRACTOR SHALL ENSURE THAT THE CENTER LINES OF ALL EXPOSED ASSEMBLIES ARE ALWAYS KEPT LEVEL AND CENTERED IN THE WALL AS SHOWN ON THIS DRAWING.
12. THE MATERIAL AND INSTALLATION COST OF EXPANSION ASSEMBLIES, JOINT FILLERS, SEALANTS AND WATERPROOFING SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE RETAINING WALL CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.

### DESIGN DATA

DESIGN IN ACCORDANCE WITH 2020 AASHTO LRFD SPECIFICATIONS 9TH EDITION AND CURRENT INTERIM SPECIFICATIONS

#### DESIGN STRESSES

- STRUCTURAL CONCRETE, CLASS AA  $f_c = 4000$  PSI @ 28 DAYS
- REINFORCING BARS GRADE 60  $f_y = 60000$  PSI

#### LIVE LOAD

2'-0", 248 PSF SURCHARGE

#### WEIGHT OF BACKFILL

124 PCF

#### ALLOWABLE SOIL BEARING CAPACITY

1000 PSF

#### HORIZONTAL EARTH PRESSURE (EQUIVALENT FLUID PRESSURE)

- ACTIVE PRESSURE 45 PCF
- AT-REST PRESSURE 66 PCF
- PASSIVE PRESSURE 325 PCF

#### COEFFICIENT OF SLIDING FRICTION

0.25

#### GEOTECHNICAL REPORT

A SUBSURFACE SOIL INVESTIGATION HAS BEEN PERFORMED BY TERRACON CONSULTANTS, INC., JOB NO. 68195076 DATED JULY 25, 2019. THE CONTRACTOR SHALL OBTAIN, REVIEW AND COMPLY WITH THE REPORT.

### INDEX OF SHEETS

- 5-1 GENERAL NOTES
- 5-2 ESTIMATED QUANTITIES
- 5-3 STRUCTURE LOCATION PLAN
- 5-4 TO 5-5 WALL DETAILS

CITY OF ALAMOGORDO NEW MEXICO

NO.	DESCRIPTION	DATE	BY
4			
3			
2			
1			

20230298  
E. 10TH STREET CBC REMEDIATION  
GENERAL STRUCTURAL NOTES



DESIGNED BY: JEC DRAWN BY: JEC CHECKED BY: RCC PLOT DATE: 11/14/2023

APPROVED FOR CONSTRUCTION: \_\_\_\_\_ DATE: \_\_\_\_\_

### ESTIMATED QUANTITIES

ITEM	UNIT	TOTAL
210002 MAJOR STRUCTURE EXCAVATION	C.Y.	303
210003 MAJOR STRUCTURE BACKFILL	C.Y.	303
511030 STRUCTURAL CONCRETE, CLASS AA	C.Y.	34
533000 REPAIR OF CONCRETE STRUCTURES	S.Y.	10
540060 REINFORCING BARS GRADE 60	LB	9000
601000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	LS
607079 PEDESTRIAN/BICYCLE RAILING	L.F.	61
UTILITY CONFLICT ALLOWANCE	ALLOW	ALLOW

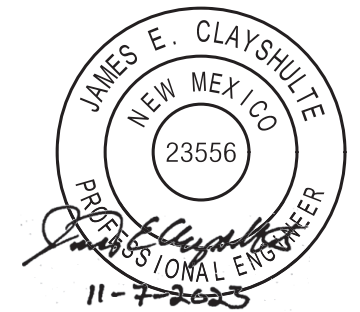
### REMOVAL NOTES

1. REMOVAL OF EXISTING WINGWALLS: THE WINGWALLS AT THE NORTHWEST, SOUTHEAST AND SOUTHWEST, EXISTING FOUNDATIONS AND RAILINGS ARE TO BE REMOVED IN ACCORDANCE WITH SECTION 601 OF THE NMDOT STANDARD SPECIFICATIONS.

CITY OF  
**ALAMOGORDO**  
NEW MEXICO

NO.	DESCRIPTION	DATE	BY
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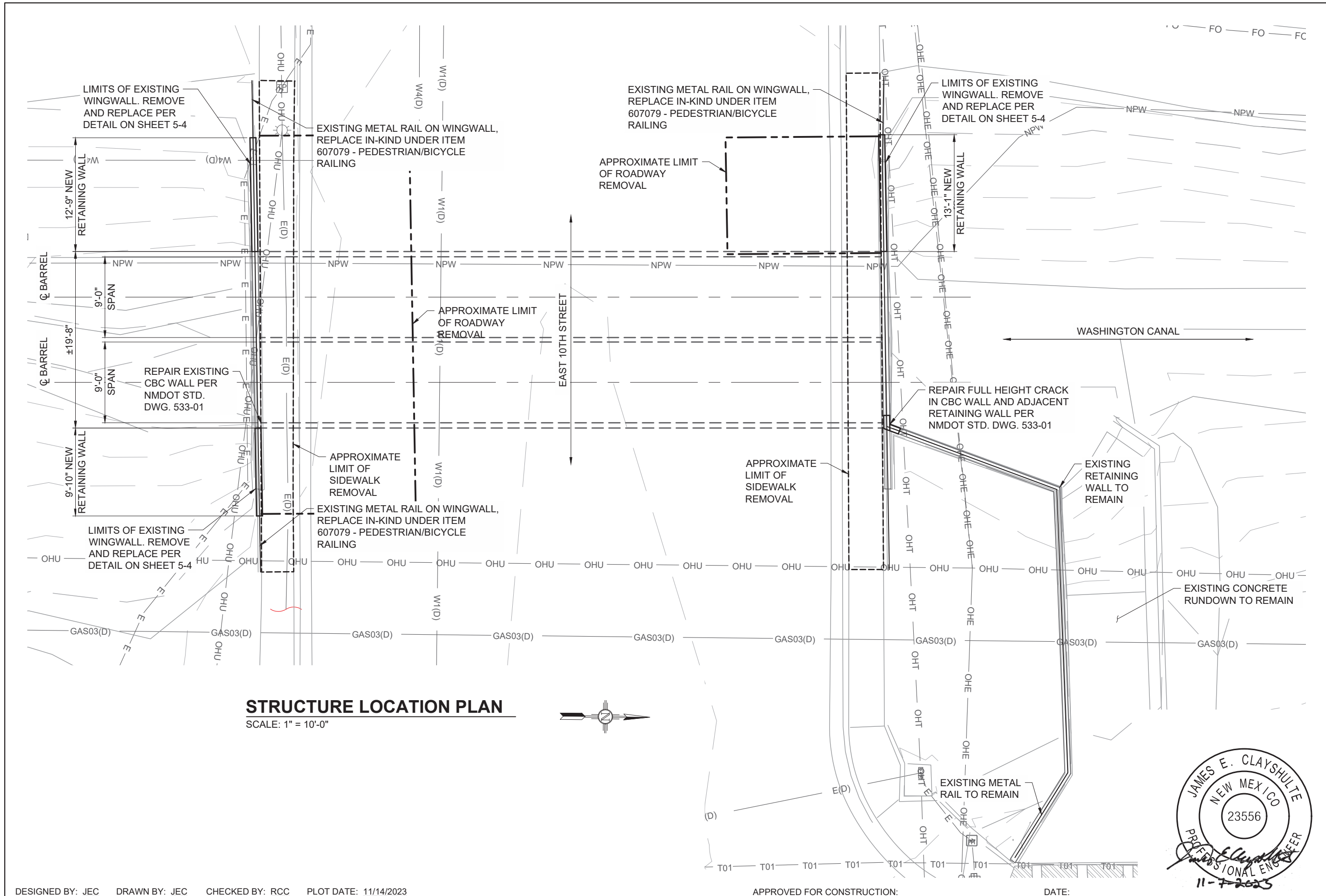
20230298  
E. 10TH STREET CBC REMEDIATION  
ESTIMATED QUANTITIES



DESIGNED BY: JEC DRAWN BY: JEC CHECKED BY: RCC PLOT DATE: 11/14/2023

APPROVED FOR CONSTRUCTION: \_\_\_\_\_ DATE: \_\_\_\_\_

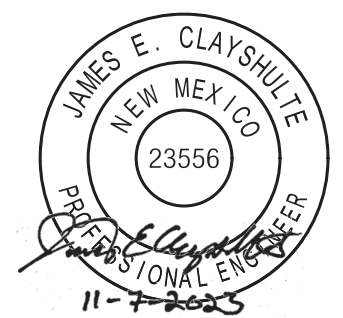




CITY OF  
**ALAMOGORDO**  
NEW MEXICO

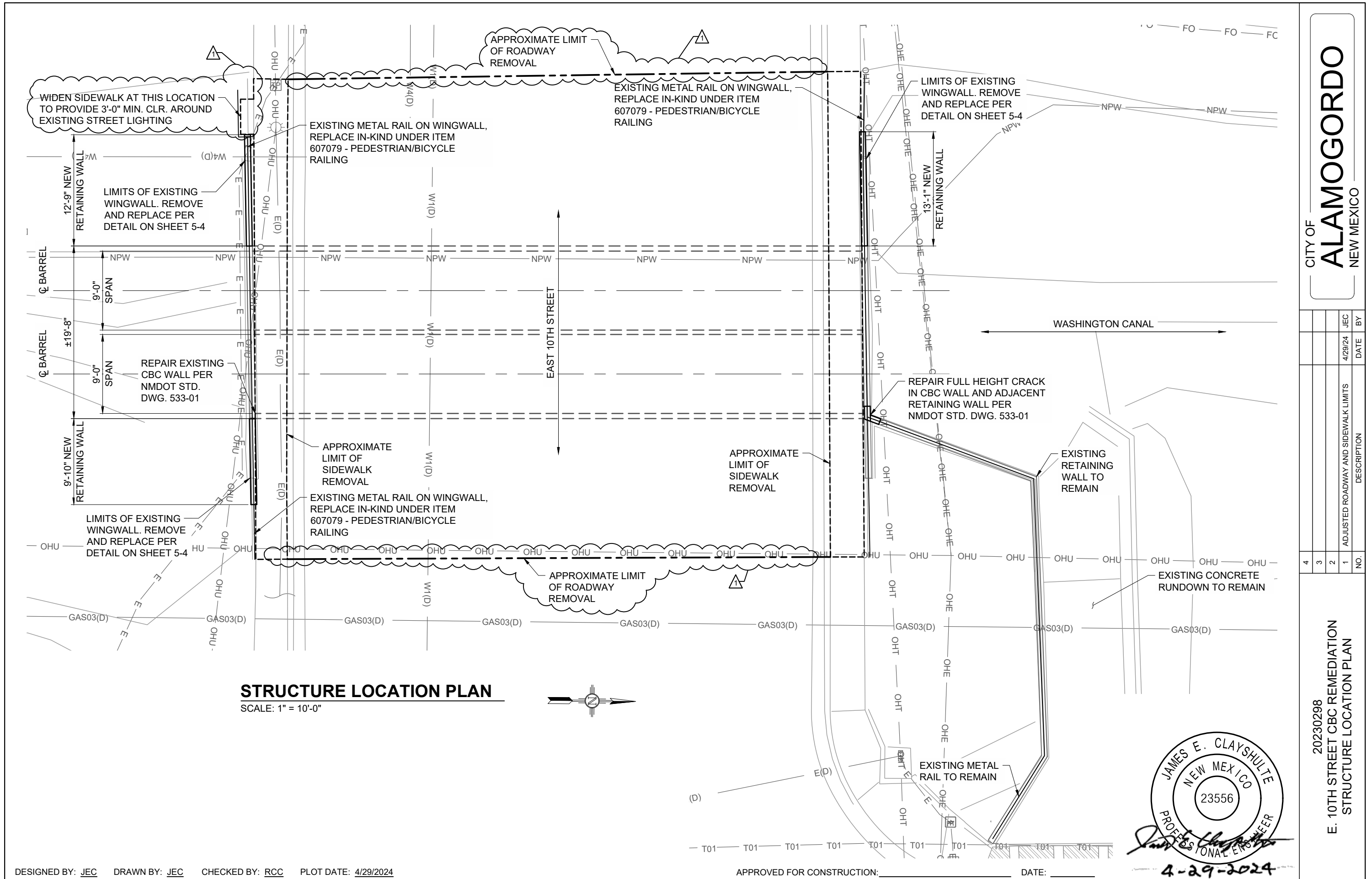
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20230298  
E. 10TH STREET CBC REMEDIATION  
STRUCTURE LOCATION PLAN

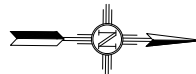


DESIGNED BY: JEC DRAWN BY: JEC CHECKED BY: RCC PLOT DATE: 11/14/2023

APPROVED FOR CONSTRUCTION: \_\_\_\_\_ DATE: \_\_\_\_\_



**STRUCTURE LOCATION PLAN**  
SCALE: 1" = 10'-0"



CITY OF  
**ALAMOGORDO**  
NEW MEXICO

NO.	DESCRIPTION	DATE	BY
4			
3			
2	ADJUSTED ROADWAY AND SIDEWALK LIMITS	4/29/24	JEC
1			

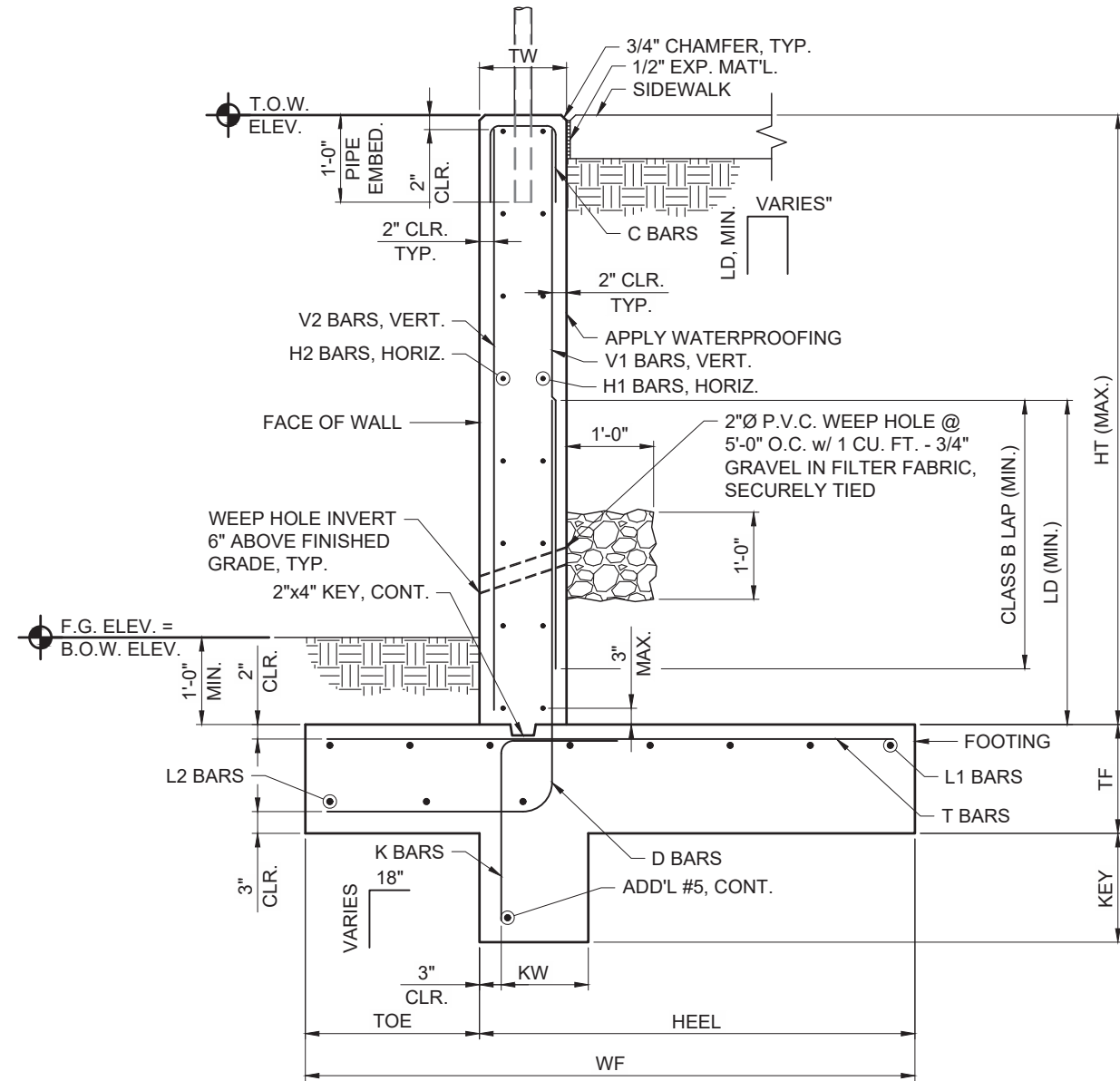
20230298  
E. 10TH STREET CBC REMEDIATION  
STRUCTURE LOCATION PLAN



*James E. Clayshulte*  
4-29-2024

DESIGNED BY: JEC DRAWN BY: JEC CHECKED BY: RCC PLOT DATE: 4/29/2024

APPROVED FOR CONSTRUCTION: \_\_\_\_\_ DATE: \_\_\_\_\_



**RETAINING WALL SECTION**  
SCALE: N.T.S.

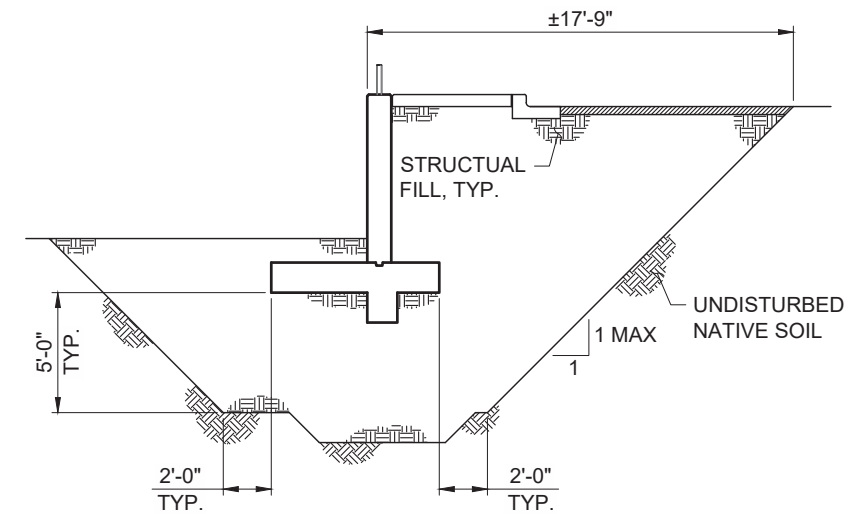
DIMENSIONS								
WALL TYPE	HT	TF (IN)	TW (IN)	TOE (IN)	HEEL (IN)	WF (IN)	KEY (IN)	KW (IN)
A	3'-0"	12	8	12	30	42		
B	6'-0"	15	8	42	30	72	12	14
C	9'-0"	18	12	72	36	108	24	18

LD	
#4	1'-2"
#5	1'-5"
#6	1'-8"
#7	2'-5"
#8	2'-9"

LAP SPLICES - CLASS B	
#4	1'-6"
#5	1'-10"
#6	2'-2"
#7	3'-2"
#8	3'-7"

**GENERAL NOTES**

- SEE DETAIL ON SHEET 5-5 FOR STEPPED FOOTING DETAILS, CONSTRUCTION JOINT DETAILS, CONTRACTION JOINT DETAILS AND EXPANSION JOINT DETAILS.
- 2"Ø P.V.C. WEEP HOLE, 3/4" GRAVEL AND FILTER FABRIC, SHALL BE INCIDENTAL TO ITEM 210003 - MAJOR STRUCTURE BACKFILL.



**OVEREXCAVATION AND STRUCTURAL FILL DIAGRAM**  
SCALE: N.T.S.

REINFORCING																				
WALL TYPE	D		H1		H2		V1		V2		L1		L2		T		K		C	
	SIZE	SPACING (IN)	SIZE	SPACING (IN)	SIZE	SPACING (IN)	SIZE	SPACING (IN)	SIZE	SPACING (IN)	SIZE	NO. REQ'D.	SIZE	NO. REQ'D.	SIZE	SPACING (IN)	SIZE	SPACING (IN)	SIZE	SPACING (IN)
A	#4	12	#4	12	#4	12	#4	12	#4	12	#4	5	#4	3	#4	12			#4	12
B	#5	12	#4	12	#4	12	#5	12	#4	12	#5	7	#5	5	#5	12	#4	12	#4	12
C	#6	12	#4	12	#4	12	#6	12	#4	12	#6	10	#6	8	#6	12	#4	12	#4	12

**RETAINING WALL SCHEDULE**  
SCALE: N.T.S.

DESIGNED BY: JEC DRAWN BY: JEC CHECKED BY: RCC PLOT DATE: 11/14/2023

APPROVED FOR CONSTRUCTION: \_\_\_\_\_ DATE: \_\_\_\_\_

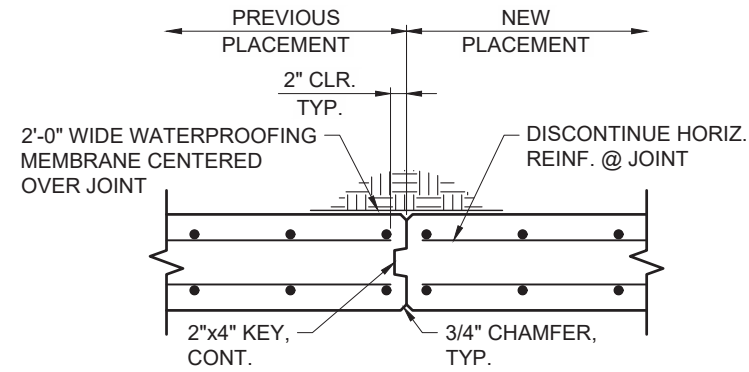


CITY OF ALAMOGORDO NEW MEXICO

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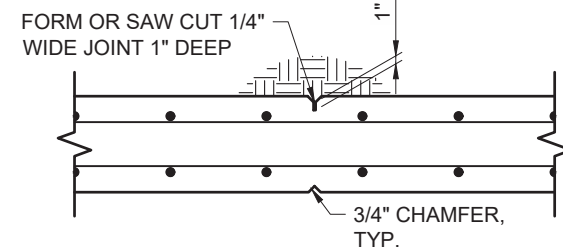
20230298  
E. 10TH STREET CBC REMEDIATION  
WALL DETAILS SHEET 1 OF 2





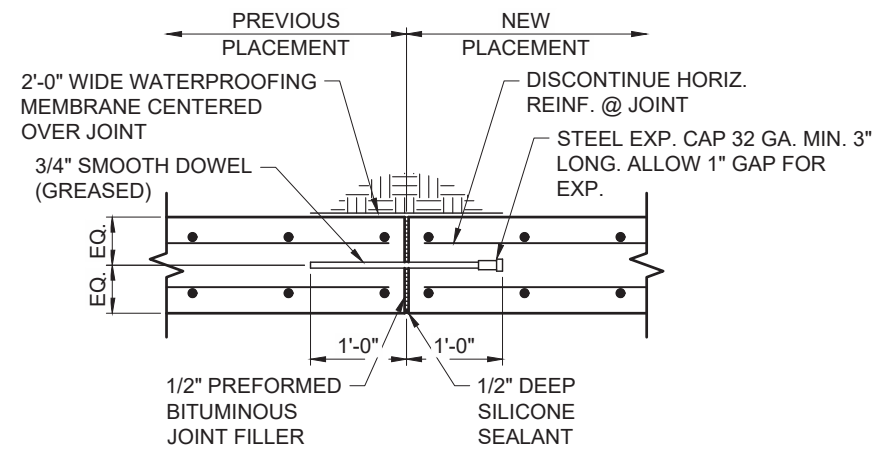
**CONSTRUCTION JOINT DETAIL**

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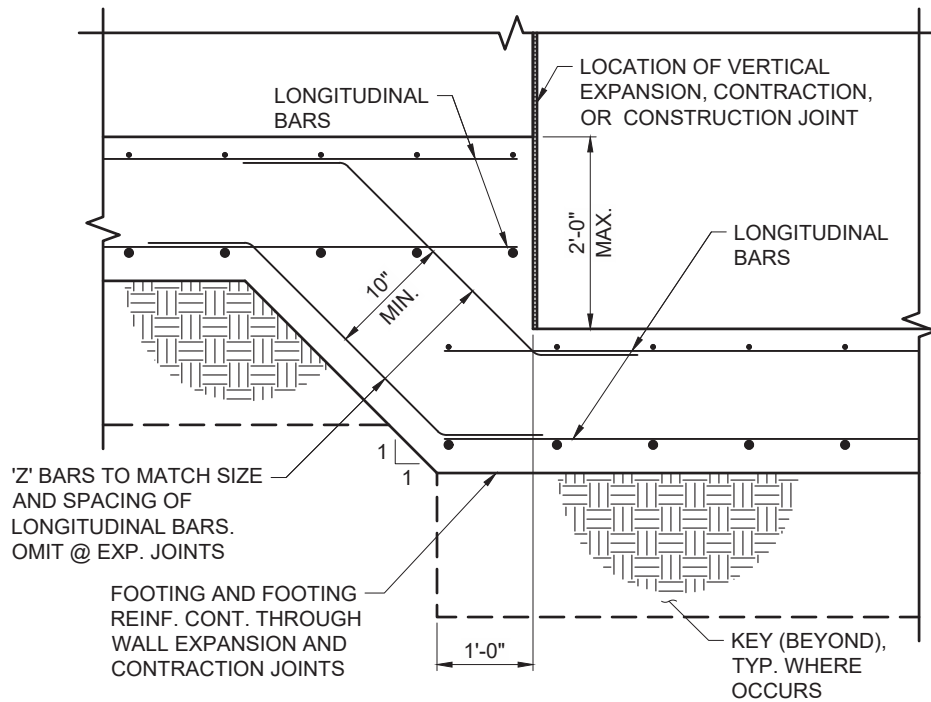
**CONTRACTION JOINT DETAIL**

SCALE: N.T.S.



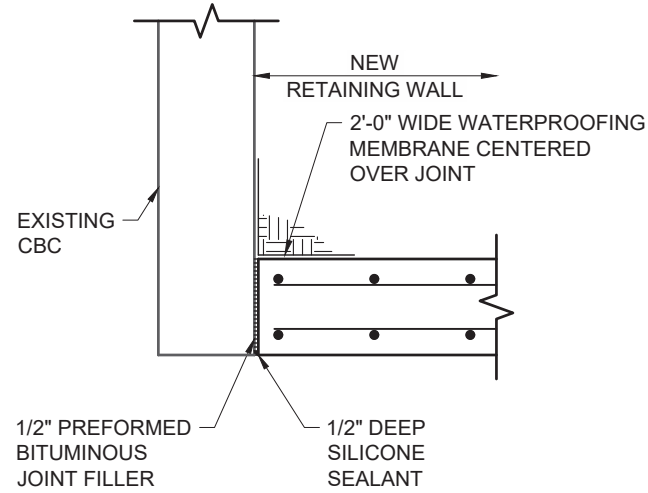
**EXPANSION JOINT DETAIL**

SCALE: N.T.S.



**STEPPED FOOTING DETAIL**

SCALE: N.T.S.



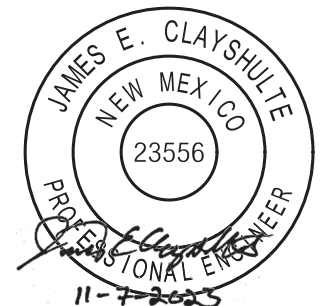
**RETAINING WALL TO EXISTING CBC JOINT**

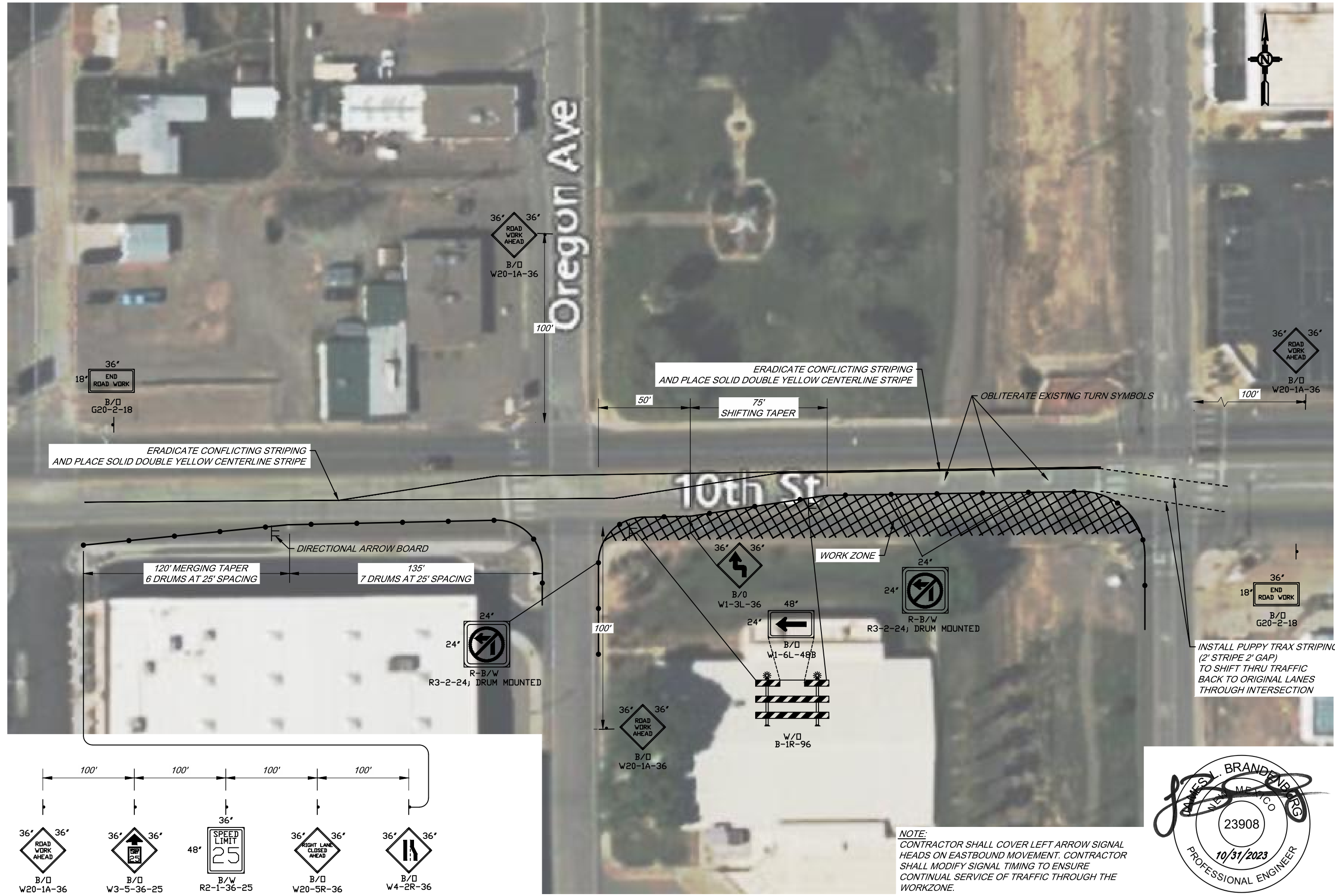
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CITY OF  
**ALAMOGORDO**  
NEW MEXICO

NO.	DESCRIPTION	DATE	BY
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20230298  
E. 10TH STREET CBC REMEDIATION  
WALL DETAILS SHEET 2 OF 2

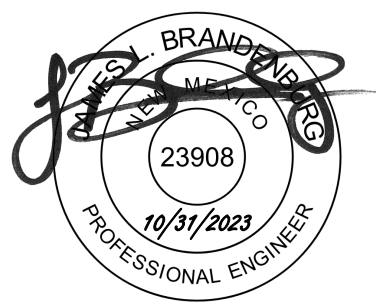




CITY OF  
**ALAMOGORDO**  
NEW MEXICO

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4			
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20230298  
E. 10TH STREET CBC REMEDIATION  
EASTBOUND WORKZONE



**NOTE:**  
CONTRACTOR SHALL COVER LEFT ARROW SIGNAL HEADS ON EASTBOUND MOVEMENT. CONTRACTOR SHALL MODIFY SIGNAL TIMING TO ENSURE CONTINUAL SERVICE OF TRAFFIC THROUGH THE WORKZONE.



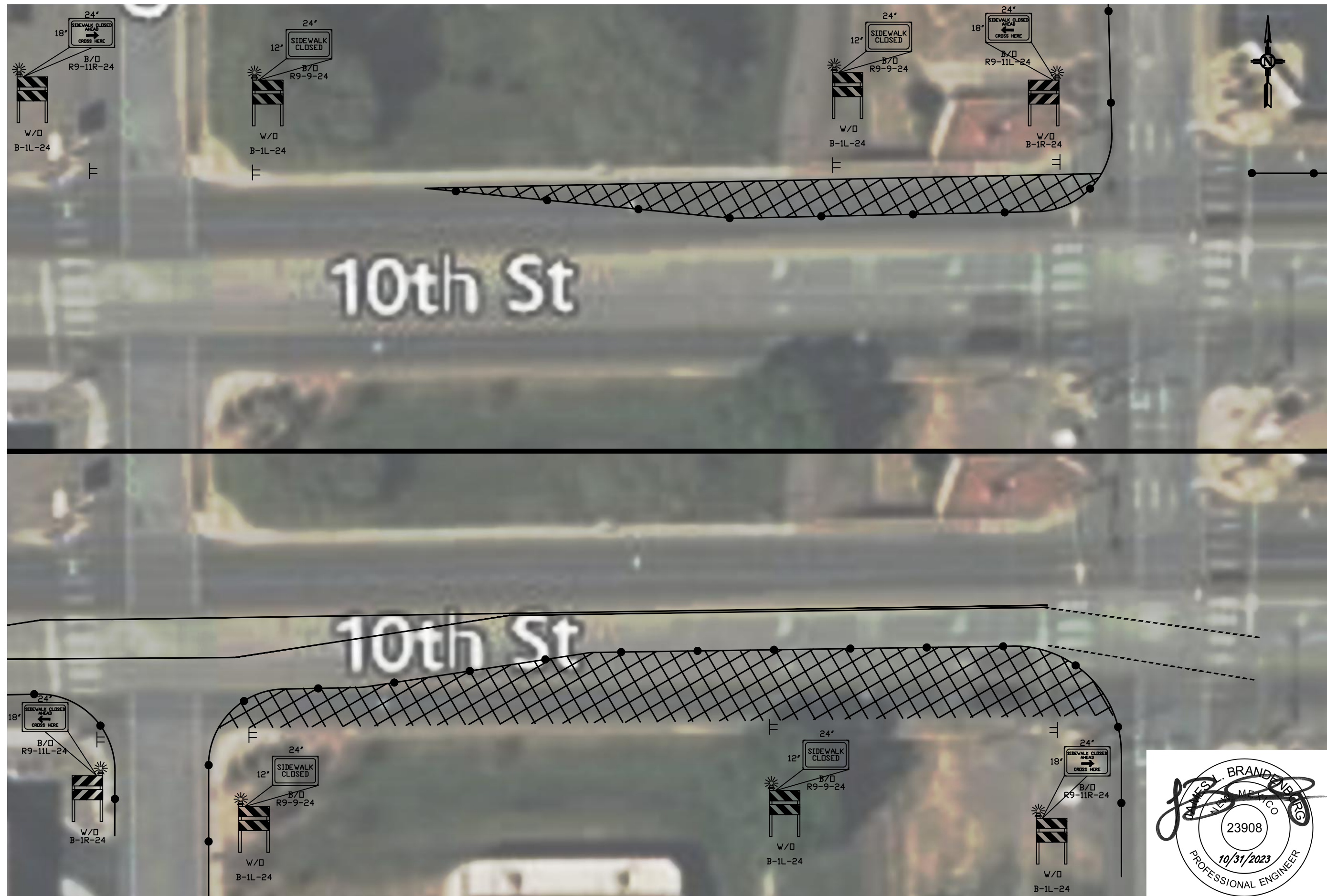
CITY OF  
**ALAMOGORDO**  
NEW MEXICO

NO.	DESCRIPTION	DATE	BY
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2			X
1			X

20230298  
E. 10TH STREET CBC REMEDIATION  
WESTBOUND WORKZONE



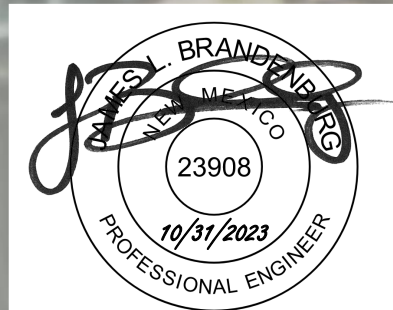




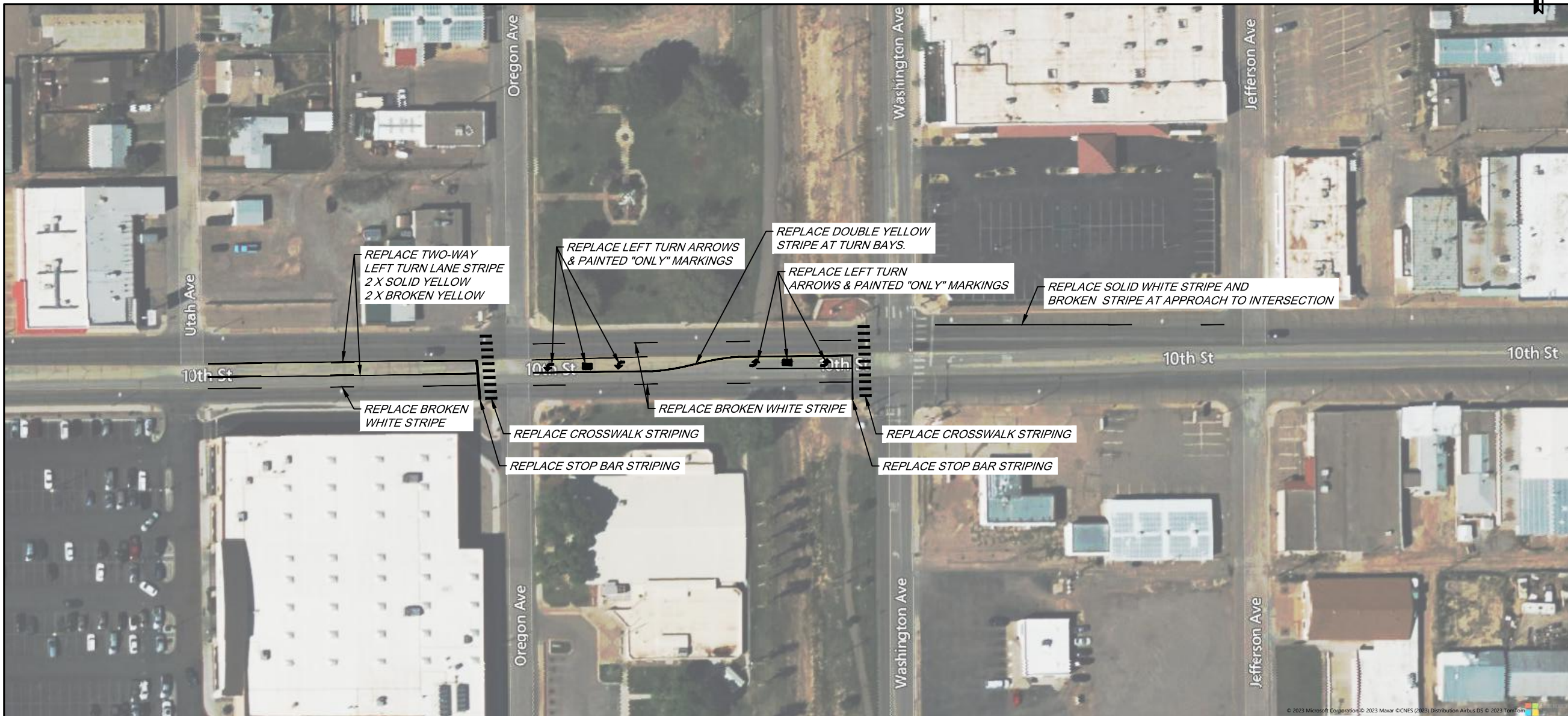
CITY OF  
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 NEW MEXICO

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20230298  
 E. 10TH STREET CBC REMEDIATION  
 PEDESTRIAN DETOUR & SIDEWALK CLOSURE



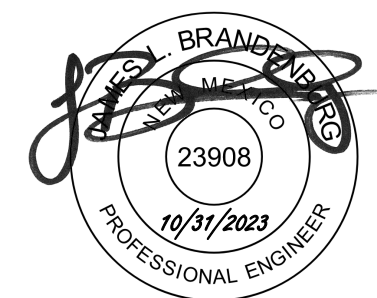




**PERMANENT STRIPING QUANTITIES**

ITEM NO.	DESCRIPTION	UNITS	10TH STREET		PROJECT USE
			TOTAL	USE	
704000	RETROREFLECTORIZED PAINTED PAVEMENT MARKINGS (4" SOLID WHITE)	L.F.	333	340	
704000	RETROREFLECTORIZED PAINTED PAVEMENT MARKINGS (4" DOTTED WHITE - 2' STRIPE, 2' GAP WHITE)	L.F.			
704000	RETROREFLECTORIZED PAINTED PAVEMENT MARKINGS (4" BROKEN WHITE - 10' STRIPE, 30' GAP WHITE)	L.F.	882	230	
704000	RETROREFLECTORIZED PAINTED PAVEMENT MARKINGS (4" SOLID YELLOW)	L.F.	1,016	1,020	
704000	RETROREFLECTORIZED PAINTED PAVEMENT MARKINGS (4" BROKEN YELLOW - 10' STRIPE, 30' GAP WHITE)	L.F.	465	470	
	TOTAL	L.F.		<b>1,590</b>	<b>3,180</b>
704004	RETROREFLECTORIZED PAINTED PAVEMENT MARKINGS (12" SOLID WHITE)	L.F.	0	0	
	TOTAL	L.F.		<b>0</b>	<b>0</b>
704005	RETROREFLECTORIZED PAINTED PAVEMENT MARKINGS (24" SOLID WHITE)	L.F.	283	290	
	TOTAL	L.F.		<b>290</b>	<b>580</b>

- NOTES:  
 1. ALL PAINTED MARKINGS SHALL CONSIST OF 2 COATS OF PAINT. THE SECOND APPLICATION SHALL OCCUR AT LEAST TWO (2) WEEKS AFTER THE FIRST.  
 2. ALL PAINTED MARKINGS SHALL REPLACE EXISTING MARKINGS IN KIND AND LOCATION.  
 3. CONSTRUCTION OF ALL PAINTED MARKINGS & SYMBOLS SHALL BE DONE IN CONFORMANCE WITH THE 2019 EDITION OF NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD DRAWINGS FOR HIGHWAY AND BRIDGE CONSTRUCTION.



CITY OF  
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 NEW MEXICO

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20230298  
 E. 10TH STREET CBC REMEDIATION  
 STRIPING PLAN