

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: C 2056-1-42

CONTROL: 2056-01-042

COUNTY: COLLIN

LETTING: 04/05/2023

REFERENCE NO: 0322

PROPOSAL ADDENDUMS

-
- PROPOSAL COVER
- BID INSERTS (SH. NO.: ALL)
- GENERAL NOTES (SH. NO.: ALL)
- SPEC LIST (SH. NO.:)
- SPECIAL PROVISIONS:)
- ADDED:
- DELETED:
- SPECIAL SPECIFICATIONS:
- ADDED:
- DELETED:
- OTHER: PLAN SHEET AND OTHER CHANGES

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

***** BID INSERTS *****
ALL BID INSERT PROPOSAL SHEETS AND E&Q PLAN SHEETS ARE REPLACED
AS PART OF THIS ADDENDUM.

REVISED QUANTITIES FOR THE FOLLOWING BID ITEMS:
462-6004, 462-6007, 462-6010, 464-6005

ADDED THE FOLLOWING BID ITEMS:
105-6070, 105-6109, 400-6006

DELETED THE FOLLOWING BID ITEMS:
105-6008, 105-6015.

***** GENERAL NOTES*****
ALL GENERAL NOTES PROPOSAL SHEETS AND PLAN SHEET 13B ARE REPLACED AS
PART OF THIS ADDENDUM.
SHEET F: ITEM 105 REVISED NOTE

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

(CONTINUED)

***** PLAN SHEET*****

SHEET 2 (INDEX OD SHEET): ADDED NEW SHEETS 305G, 305H,305I.

SHEET 8 (TYPICAL SECTIONS): REVISED TYPICAL SECTION.

SHEET 13B (GENERAL NOTE): REFER TO GENERAL NOTE CHANGE AS NOTED ABOVE.
REVISED SHEET 13B.

SHEET 14, 14A-14F (E&Q SHEETS): REVISED SHEETS AS DESCRIBED IN THE BID
INSERTS OF THE PROPOSAL.

SHEET 17, 18, 20: REVISED SUMMARY SHEETS AS DESCRIBED IN THE BID
INSERTS OF THE PROPOSAL.

SHEET 67, 69, 205, 260, 261, 264, 265, 267, 268, 269, 270, 271, 272,
280, 292, 303, 305A, 305B, 305C, 305D, 305E, 305F:
REVISED SHEETS DUE TO THE ABOVE CHANGES.

SHEET 305G, 305H, 305I: ADDED SHEETS DUE TO THE ABOVE CHANGES.

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14, 14A-14F	ESTIMATE AND QUANTITY
15 - 16	SUMMARY - EARTHWORK
17	SUMMARY - WORK ZONE TRAFFIC CONTROL
18	SUMMARY - REMOVAL / STRIPING / SIGNING
19	SUMMARY - ROADWAY / WALLS
20 - 21	SUMMARY - DRAINAGE
22	SUMMARY - TRAFFIC SIGNALS
23 - 30	SUMMARY OF SMALL SIGNS
31	SUMMARY - SWPPP
32	OMITTED

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119	WZ(STPM)-13
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124	TCP(1-3)-18
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126	TCP(3-2)-13
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416	SMD(GEN)-08
417	SMD(SLIP-1) (DAL)
418 - 419	SMD(SLIP-2) THRU SMD(SLIP-3)-08

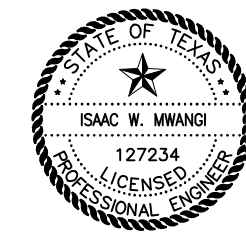
VII. ENVIRONMENTAL ISSUES

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464	VEGETATION ESTABLISHMENT SHEET (DAL)
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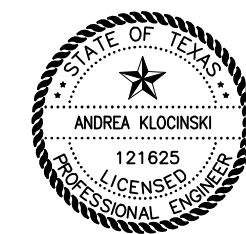
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THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

Isaac Mwangi, P.E. 02/02/2023
Signature of Registrant & Date



THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

Andrea Klocinski, P.E. 2/2/2023
Signature of Registrant & Date



THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

Kristi Guerrero, P.E. 02/02/2023
Signature of Registrant & Date



THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

Kristen L. Perry, P.E. 02/02/2023
Signature of Registrant & Date



THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

Zach Stone, P.E. 02/02/23
Signature of Registrant & Date

NO.	REVISION	BY	DATE

CP&Y
TEXAS REGISTERED ENGINEERING FIRM, F-1741

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FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
FM 2551 (MURPHY ROAD)

INDEX OF SHEETS

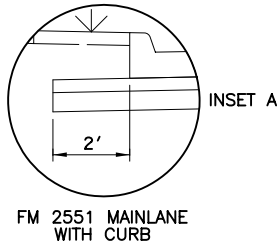
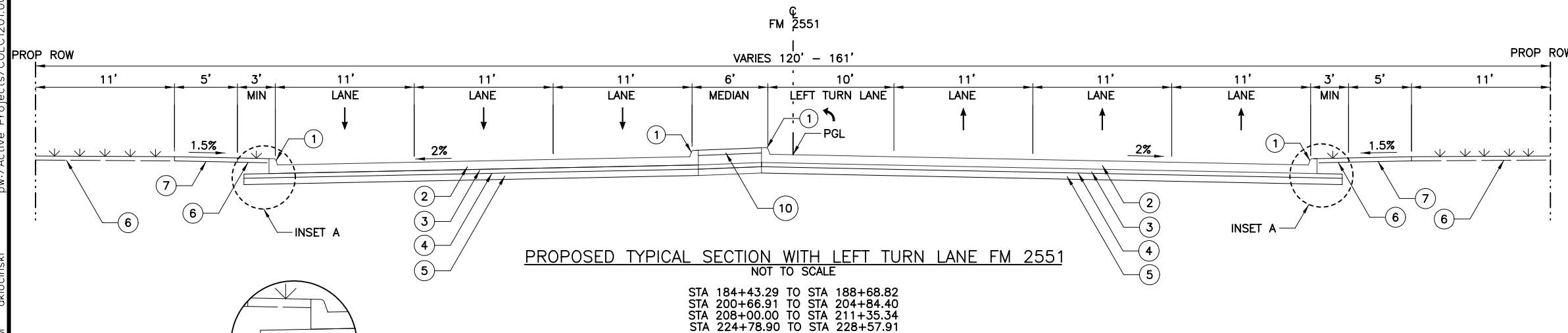
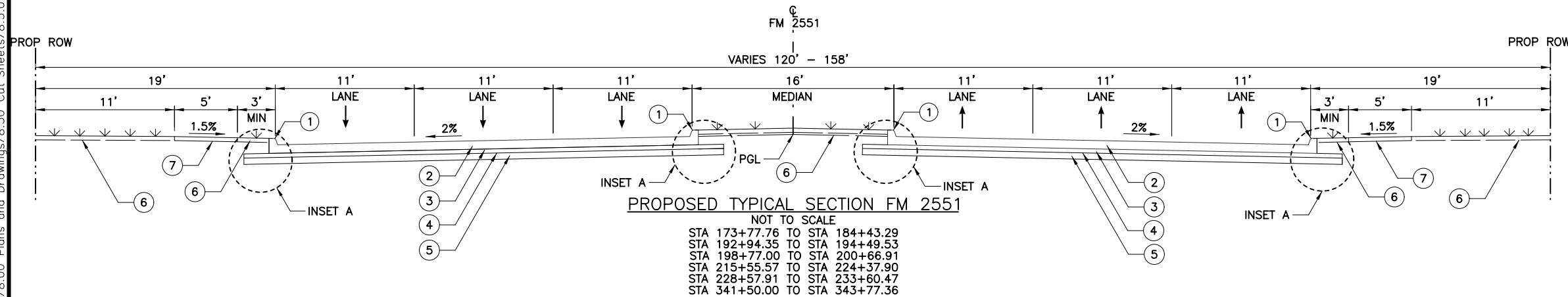
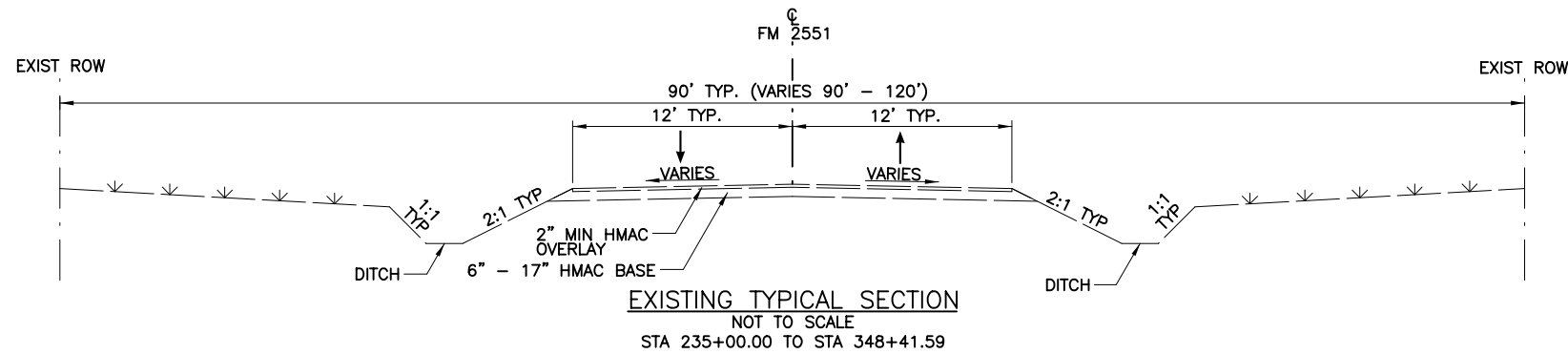
Designed: CPY	FED. RD. DIV. NO. 6	STATE TEXAS	PROJECT NO. SEE TITLE SHEET	HIGHWAY NO. FM 2551
Checked: CPY	DIST. DALLAS	COUNTY COLLIN	CONTROL SECTION NO. 2056 01	JOB NO. 042
Drawn:				SHEET NO. 2
Checked:				

△ ADDENDUM 1. 3/22/23. REVISED SHEET

2/2/2023 9:38:03 AM cstott pw:/

LEGEND

- ① CONC CURB (MONO)(TY II)
- ② CONC PVMT (CONT REINF-CRCP) (9.5")
- ③ SP MIXES SP-B PG64-22 (4")
- ④ TACK COAT
- ⑤ LIME TRT (EXIST MATL)(8")
- ⑥ DRILL SEEDING AND TOPSOIL (4")
- ⑦ CONCRETE SIDEWALK (4")
- ⑧ TY D HANDRAIL
- ⑨ CURB WALL (SIDEWALK)
- ⑩ CONC MEDIAN
- ⑪ RIPRAP (CONC)(4")



- NOTES: (EXISTING SECTIONS)
- EXISTING PAVEMENT SECTION AND LIMITS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED.
 - EXISTING INFORMATION IS SHOWN FOR INFORMATIONAL PURPOSES ONLY.
 - REFER TO REMOVAL PLAN FOR ADDITIONAL PAVEMENT INFORMATION.

- NOTES: (PROPOSED SECTIONS)
- TYPICAL SECTIONS ARE APPROXIMATE AND DO NOT REPRESENT ALL SECTIONS AND ALL CONDITIONS.
 - ALL DIMENSIONS ARE FROM FACE OF CURB. SLOPE AND WIDTH INFORMATION ARE TYPICAL AND VARY THROUGHOUT THE PROJECT. SEE PLANS FOR MORE INFORMATION.
 - STATION LIMITS ARE APPROXIMATE. SEE PLANS FOR MORE INFORMATION.
 - EXISTING GROUND SLOPES ARE SHOWN FOR REPRESENTATIONAL PURPOSES ONLY AND ARE BASED ON SURVEY INFORMATION AND MAY DIFFER IN THE FIELD.
 - SEE PLAN SHEETS FOR CONCRETE RIPRAP LOCATIONS.



Andrea Klocinski
03/22/2023

NO.	REVISION	BY	DATE

CP&Y
TEXAS REGISTERED ENGINEERING FIRM, F-1741

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FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
FM 2551 (MURPHY ROAD)

TYPICAL SECTIONS

Designed:	CPY	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
Checked:	CPY	6	TEXAS	SEE TITLE SHEET	FM 2551
Drawn:	DIST.	COUNTY	CONTROL SECTION NO.	JOB NO.	SHEET NO.
Checked:	DALLAS	COLLIN	2056 01	042	8

ADDENDUM 1. 3/22/23. REVISED SHEET

3/22/2023 2:07:02 PM aklocinski pw:/Active Projects/COLL1201.00/8.00 Plans and Drawings/8.30 Cut Sheets/8.3.01 General/1201GNtyp01.dgn

County: Collin

Highway: FM 2551

Item 6:

Asbestos transite pipe removal required. See SP006-034 for work in the following locations:
6" water line at STA 232+40 to STA 245+15 (1,370 LF).
4" water line at STA 245+15 to STA 247+15 (318 LF).

Item 7:

Repair or replace any structures and utilities that might have been damaged by negligence or a failure to have utility locates performed.

Perform all electrical work in accordance with the National Electrical Code and Texas Department of Transportation Specifications.

Consult with appropriate electric company representatives according to their respective area to coordinate electrical services installations.

Contractor will be responsible for all costs associated with locating and/or exposing existing utilities. This includes existing utilities that may have been mismarked by the locator and/or utilities that are in the near vicinity of proposed construction. In addition, this includes all costs associated with pot-holing, mechanical vacuuming, hand-digging, etc. as needed to properly locate and protect all existing utilities.

Holiday restrictions – The Engineer may decide that no lane closures or construction operations shall be allowed during the restricted periods listed in the following holiday schedule. TxDOT has the right to lengthen, shorten, or otherwise modify these restricted periods as actual, or expected, traffic conditions may warrant. Working days will not be charged for these restricted periods. No additional compensation will be allowed for these closures (i.e., overhead, delays, stand-by, barricades or any other associated cost impacts).

- New Year's Eve and Day (5 am on December 31 thru 10:00 pm January 1)
- Easter Holiday weekend (5 am on Friday thru 10:00 pm Sunday)
- Memorial Day weekend (5 am on Friday thru 10:00pm Monday)
- Independence Day (5 am on July 3 thru 10:00 pm on July 5)
- Labor Day weekend (5 am on Friday thru 10:00 pm Monday)
- Thanksgiving Holiday (5 am on Wednesday thru 10:00 pm Sunday)
- Christmas Holiday (5 am on December 23 thru 10:00 pm December 26)

No significant traffic generator events identified.

Item 8:

This Project will be a Five-Day Workweek in accordance with Article 8.3.1.1.

Meet weekly with the engineer to notify him or her of planned work for the upcoming week.

A 120-day construction delay is included in this contract through Special Provision 008-004. This delay is included for material acquisition.



County: Collin

Highway: FM 2551

Item 100:

Remove the existing roadway small signs, delineators and object markers as shown on the plans, or as directed, during construction within the right of way. Small sign, delineator and object marker removals are subsidiary to this Item. The limits of preparing right of way will be measured from Sta. 169+21.55 to Sta. 348+82.69 along the centerline of construction.

Item 104:

In those areas where the pavement is not to be overlaid, provide a smooth surface after the curb removal. Planing or grinding is considered an acceptable method at these locations. Measurement and payment is in accordance with this item.

Sawing of concrete is not paid for directly, but is considered subsidiary to this item.

Items 105:

Saw existing asphalt along neat lines where portions are to be left in place temporarily or permanently. Sawing is not paid for directly, but is subsidiary to this item.

Take possession of recycled asphalt pavement from the project and recycle the material.

Properly dispose of unsalvageable material at your own expense.

Item 110:

Excavated shale is not an acceptable material for embankment.

Items 110 and 132:

Scarify and loosen the excavated areas, unpaved surface areas, except rock, to a depth of at least 8 inches and compact in accordance with the specifications.

Excavation and embankment for driveways, sleeper slabs, alleys and intersections will not be paid for directly, but will be considered subsidiary to these items.

Item 132:

Excavated material from the project site has not been determined to be suitable for embankment. The bidder assumes all risk for the use of excavated materials for embankment and is expected to meet all material requirements for embankment regardless of the source.

Perform Tex-106-E (Plasticity Index) by an approved laboratory on excavated soils from sources outside right of way when used in roadway embankment. Provide the test results at no expense to the department. The engineer will sample and test soils produced by the construction project for specification requirements or material sources specified in the plans.



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 2056-01-042

DISTRICT Dallas
HIGHWAY FM 2551

COUNTY Collin

CONTROL SECTION JOB				2056-01-042		2056-01-043		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00050518		R00002027			
COUNTY				Collin		Collin			
HIGHWAY				FM 2551		FM 2551			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL		
	100-6002	PREPARING ROW	STA	184.310				184.310	
	104-6001	REMOVING CONC (PAV)	SY	9,070.000				9,070.000	
	104-6009	REMOVING CONC (RIPRAP)	SY	77.000				77.000	
	104-6011	REMOVING CONC (MEDIANS)	SY	62.000				62.000	
	104-6015	REMOVING CONC (SIDEWALKS)	SY	341.000				341.000	
	104-6017	REMOVING CONC (DRIVEWAYS)	SY	1,036.000				1,036.000	
	105-6070	REMOVING STAB BASE & ASPH PAV (6" - 8")	SY	665.000				665.000	
	105-6109	REMOVING STAB BASE & ASPH PAV (8"-19")	SY	43,884.000				43,884.000	
	110-6001	EXCAVATION (ROADWAY)	CY	71,168.000				71,168.000	
	132-6025	EMBANKMENT (FINAL) (DENS CONT) (TY C1)	CY	48,027.000				48,027.000	
	161-6017	COMPOST MANUF TOPSOIL (4")	SY	62,920.000				62,920.000	
	164-6035	DRILL SEEDING (PERM) (RURAL) (CLAY)	SY	62,920.000				62,920.000	
	164-6051	DRILL SEED (TEMP)(WARM OR COOL)	SY	32,240.000				32,240.000	
	168-6001	VEGETATIVE WATERING	MG	14,156.000				14,156.000	
	260-6002	LIME (HYDRATED LIME (SLURRY))	TON	2,940.000				2,940.000	
	260-6027	LIME TRT (EXST MATL)(8")	SY	78,232.000				78,232.000	
	360-6012	CONC PVMT (CONT REINF - CRCP) (9.5")	SY	61,478.000				61,478.000	
	400-6006	CUT & RESTORING PAV	SY	521.000				521.000	
	402-6001	TRENCH EXCAVATION PROTECTION	LF	18,993.000				18,993.000	
	403-6001	TEMPORARY SPL SHORING	SF	17,707.000				17,707.000	
	416-6032	DRILL SHAFT (TRF SIG POLE) (36 IN)	LF	13.000				13.000	
	416-6034	DRILL SHAFT (TRF SIG POLE) (48 IN)	LF	110.000				110.000	
	420-6143	CL S CONC (JUNCTION BOX)	CY	34.600				34.600	
	423-6005	RETAINING WALL (SPREAD FOOTING)	SF	4,844.000				14,844.000	
	432-6001	RIPRAP (CONC)(4 IN)	CY	617.000				617.000	
	432-6002	RIPRAP (CONC)(5 IN)	CY	8.000				8.000	
	450-6050	RAIL (HANDRAIL)(TY D)	LF	2,331.000				2,331.000	
	450-6052	RAIL (HANDRAIL)(TY F)	LF	1,815.000				1,815.000	
	462-6001	CONC BOX CULV (3 FT X 2 FT)	LF	3,409.000				3,409.000	
	462-6002	CONC BOX CULV (3 FT X 3 FT)	LF	1,889.000				1,889.000	
	462-6004	CONC BOX CULV (4 FT X 3 FT)	LF	836.000				836.000	
	462-6006	CONC BOX CULV (5 FT X 2 FT)	LF	586.000				586.000	
	462-6007	CONC BOX CULV (5 FT X 3 FT)	LF	6,502.000				6,502.000	
	462-6010	CONC BOX CULV (6 FT X 3 FT)	LF	1,022.000				1,022.000	
	462-6011	CONC BOX CULV (6 FT X 4 FT)	LF	102.000				102.000	
	462-6014	CONC BOX CULV (7 FT X 3 FT)	LF	1,088.000				1,088.000	
	464-6003	RC PIPE (CL III)(18 IN)	LF	345.000				345.000	

ADDENDUM 1, REVISED 03/22/2023

DISTRICT	COUNTY	CCSJ	SHEET
Dallas	Collin	2056-01-042	14



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 2056-01-042

DISTRICT Dallas
HIGHWAY FM 2551

COUNTY Collin

CONTROL SECTION JOB				2056-01-042		2056-01-043		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00050518		R00002027			
COUNTY				Collin		Collin			
HIGHWAY				FM 2551		FM 2551			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL		
	464-6005	RC PIPE (CL III)(24 IN)	LF	16,969.000				16,969.000	
	464-6007	RC PIPE (CL III)(30 IN)	LF	975.000				975.000	
	464-6008	RC PIPE (CL III)(36 IN)	LF	2,611.000				2,611.000	
	465-6005	JCTBOX(COMPL)(PJB)(3FTX3FT)	EA	2.000				2.000	
	465-6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	EA	3.000				3.000	
	465-6012	JCTBOX(COMPL)(PJB)(8FTX8FT)	EA	1.000				1.000	
	465-6029	INLET (COMPL)(PCU)(3FT)(NONE)	EA	2.000				2.000	
	465-6030	INLET (COMPL)(PCU)(3FT)(LEFT)	EA	73.000				73.000	
	465-6031	INLET (COMPL)(PCU)(3FT)(RIGHT)	EA	73.000				73.000	
	465-6032	INLET (COMPL)(PCU)(3FT)(BOTH)	EA	14.000				14.000	
	465-6071	INLET (COMPL)(PSL)(RC)(4FTX4FT)	EA	45.000				45.000	
	465-6074	INLET (COMPL)(PSL)(RC)(5FTX5FT)	EA	21.000				21.000	
	465-6076	INLET (COMPL)(PSL)(RC)(6FTX6FT)	EA	3.000				3.000	
	465-6077	INLET (COMPL)(PSL)(RC)(8FTX8FT)	EA	19.000				19.000	
	465-6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	EA	12.000				12.000	
	465-6128	INLET (COMPL)(PSL)(FG)(4FTX4FT-4FTX4FT)	EA	11.000				11.000	
	465-6533	INLET (COMPL)(CH)(10 FT)(FTW)	EA	6.000				6.000	
	466-6097	HEADWALL (CH - PW - 0) (DIA= 24 IN)	EA	1.000				1.000	
	466-6181	WINGWALL (PW - 1) (HW=6 FT)	EA	1.000				1.000	
	466-6182	WINGWALL (PW - 1) (HW=7 FT)	EA	2.000				2.000	
	466-6183	WINGWALL (PW - 1) (HW=8 FT)	EA	2.000				2.000	
	466-6205	WINGWALL (SW - 0) (HW=2 FT)	EA	3.000				3.000	
	467-6054	SET (TY I)(S=10 FT)(HW=5FT)(6:1)(P)	EA	1.000				1.000	
	467-6395	SET (TY II) (24 IN) (RCP) (6: 1) (P)	EA	21.000				21.000	
	496-6002	REMOV STR (INLET)	EA	5.000				5.000	
	496-6004	REMOV STR (SET)	EA	47.000				47.000	
	496-6006	REMOV STR (HEADWALL)	EA	8.000				8.000	
	496-6007	REMOV STR (PIPE)	LF	2,856.000				2,856.000	
	496-6008	REMOV STR (BOX CULVERT)	LF	83.000				83.000	
	500-6001	MOBILIZATION	LS	1.000				1.000	
	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	31.000				31.000	
	506-6002	ROCK FILTER DAMS (INSTALL) (TY 2)	LF	726.000				726.000	
	506-6011	ROCK FILTER DAMS (REMOVE)	LF	726.000				726.000	
	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	SY	493.000				493.000	
	506-6024	CONSTRUCTION EXITS (REMOVE)	SY	493.000				493.000	
	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	3,476.000				3,476.000	
	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	3,476.000				3,476.000	

 ADDENDUM 1, REVISED 03/22/2023



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 2056-01-042

DISTRICT Dallas
HIGHWAY FM 2551

COUNTY Collin

CONTROL SECTION JOB				2056-01-042		2056-01-043		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00050518		R00002027			
COUNTY				Collin		Collin			
HIGHWAY				FM 2551		FM 2551			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL		
	506-6042	BIODEG EROSN CONT LOGS (INSTL) (18")	LF	9,548.000				9,548.000	
	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	LF	9,548.000				9,548.000	
	508-6001	CONSTRUCTING DETOURS	SY	8,062.000				8,062.000	
	512-6009	PORT CTB (FUR & INST)(LOW PROF)(TY 1)	LF	2,680.000				2,680.000	
	512-6010	PORT CTB (FUR & INST)(LOW PROF)(TY 2)	LF	120.000				120.000	
	512-6057	PORT CTB (REMOVE)(LOW PROF)(TY 1)	LF	2,680.000				2,680.000	
	512-6058	PORT CTB (REMOVE)(LOW PROF)(TY 2)	LF	120.000				120.000	
	529-6005	CONC CURB (MONO) (TY II)	LF	71,126.000				71,126.000	
	530-6004	DRIVEWAYS (CONC)	SY	2,013.000				2,013.000	
	531-6001	CONC SIDEWALKS (4")	SY	17,779.000				17,779.000	
	531-6004	CURB RAMPS (TY 1)	EA	27.000				27.000	
	531-6005	CURB RAMPS (TY 2)	EA	3.000				3.000	
	531-6010	CURB RAMPS (TY 7)	EA	33.000				33.000	
	531-6013	CURB RAMPS (TY 10)	EA	26.000				26.000	
	536-6002	CONC MEDIAN	SY	4,102.000				4,102.000	
	538-6001	RIGHT OF WAY MARKERS	EA	146.000				146.000	
	550-6003	CHAIN LINK FENCE (REMOVE)	LF	1,701.000				1,701.000	
	550-6006	GATE (REMOVE)	EA	1.000				1.000	
	560-6007	MAILBOX INSTALL-S (WC-POST) TY 3	EA	3.000				3.000	
	618-6023	CONDT (PVC) (SCH 40) (2")	LF	330.000				330.000	
	618-6029	CONDT (PVC) (SCH 40) (3")	LF	490.000				490.000	
	618-6033	CONDT (PVC) (SCH 40) (4")	LF	185.000				185.000	
	618-6034	CONDT (PVC) (SCH 40) (4") (BORE)	LF	320.000				320.000	
	620-6007	ELEC CONDR (NO.8) BARE	LF	,325.000				,325.000	
	620-6009	ELEC CONDR (NO.6) BARE	LF	25.000				25.000	
	620-6010	ELEC CONDR (NO.6) INSULATED	LF	30.000				30.000	
	621-6005	TRAY CABLE (4 CONDR) (12 AWG)	LF	,245.000				,245.000	
	624-6002	GROUND BOX TY A (122311)W/APRON	EA	2.000				2.000	
	624-6008	GROUND BOX TY C (162911)W/APRON	EA	4.000				4.000	
	644-6001	IN SM RD SN SUP&AM TY10BWG(1)SA(P)	EA	54.000				54.000	
	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	EA	7.000				7.000	
	644-6007	IN SM RD SN SUP&AM TY10BWG(1)SA(U)	EA	12.000				12.000	
	644-6068	RELOCATE SM RD SN SUP&AM TY 10BWG	EA	3.000				3.000	
	662-6061	WK ZN PAV MRK REMOV (W)4"(DOT)	LF	1,797.000				1,797.000	
	662-6063	WK ZN PAV MRK REMOV (W)4"(SLD)	LF	44,608.000				44,608.000	
	662-6075	WK ZN PAV MRK REMOV (W)24"(SLD)	LF	1,199.000				1,199.000	
	662-6080	WK ZN PAV MRK REMOV (W)(ARROW)	EA	1.000				1.000	

ADDENDUM 1, REVISED 03/22/2023

DISTRICT	COUNTY	CCSJ	SHEET
Dallas	Collin	2056-01-042	14B



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 2056-01-042

DISTRICT Dallas
HIGHWAY FM 2551

COUNTY Collin

CONTROL SECTION JOB				2056-01-042		2056-01-043		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00050518		R00002027			
COUNTY				Collin		Collin			
HIGHWAY				FM 2551		FM 2551			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL		
	662-6095	WK ZN PAV MRK REMOV (Y)4"(SLD)	LF	75,997.000				75,997.000	
	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF	8,535.000				8,535.000	
	666-6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	LF	267.000				267.000	
	666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	3,545.000				3,545.000	
	666-6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	EA	67.000				67.000	
	666-6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	EA	58.000				58.000	
	666-6171	REFL PAV MRK TY II (W) 6" (BRK)	LF	17,926.000				17,926.000	
	666-6178	REFL PAV MRK TY II (W) 8" (SLD)	LF	8,535.000				8,535.000	
	666-6180	REFL PAV MRK TY II (W) 12" (SLD)	LF	267.000				267.000	
	666-6182	REFL PAV MRK TY II (W) 24" (SLD)	LF	3,545.000				3,545.000	
	666-6184	REFL PAV MRK TY II (W) (ARROW)	EA	67.000				67.000	
	666-6192	REFL PAV MRK TY II (W) (WORD)	EA	58.000				58.000	
	666-6210	REFL PAV MRK TY II (Y) 6" (SLD)	LF	861.000				861.000	
	666-6306	RE PM W/RET REQ TY I (W)6"(BRK)(100MIL)	LF	17,926.000				17,926.000	
	666-6309	RE PM W/RET REQ TY I (W)6"(SLD)(100MIL)	LF	563.000				563.000	
	666-6321	RE PM W/RET REQ TY I (Y)6"(SLD)(100MIL)	LF	861.000				861.000	
	672-6007	REFL PAV MRKR TY I-C	EA	427.000				427.000	
	672-6009	REFL PAV MRKR TY II-A-A	EA	11.000				11.000	
	672-6010	REFL PAV MRKR TY II-C-R	EA	897.000				897.000	
	677-6001	ELIM EXT PAV MRK & MRKS (4")	LF	20,875.000				20,875.000	
	677-6007	ELIM EXT PAV MRK & MRKS (24")	LF	50.000				50.000	
	677-6008	ELIM EXT PAV MRK & MRKS (ARROW)	EA	15.000				15.000	
	677-6011	ELIM EXT PAV MRK & MRKS (NUMBER)	EA	15.000				15.000	
	678-6002	PAV SURF PREP FOR MRK (6")	LF	18,787.000				18,787.000	
	678-6004	PAV SURF PREP FOR MRK (8")	LF	8,535.000				8,535.000	
	678-6006	PAV SURF PREP FOR MRK (12")	LF	267.000				267.000	
	678-6008	PAV SURF PREP FOR MRK (24")	LF	3,545.000				3,545.000	
	678-6009	PAV SURF PREP FOR MRK (ARROW)	EA	67.000				67.000	
	678-6016	PAV SURF PREP FOR MRK (WORD)	EA	58.000				58.000	
	680-6004	REMOVING TRAFFIC SIGNALS	EA	2.000				2.000	
	680-6005	INS HY TRF SIG (DPT SUP CNT & CAB)(ISO)	EA	2.000				2.000	
	681-6001	TEMP TRAF SIGNALS	EA	2.000				2.000	
	682-6001	VEH SIG SEC (12")LED(GRN)	EA	22.000				22.000	
	682-6002	VEH SIG SEC (12")LED(GRN ARW)	EA	11.000				11.000	
	682-6003	VEH SIG SEC (12")LED(YEL)	EA	22.000				22.000	
	682-6004	VEH SIG SEC (12")LED(YEL ARW)	EA	18.000				18.000	
	682-6005	VEH SIG SEC (12")LED(RED)	EA	22.000				22.000	

ADDENDUM 1, REVISED 03/22/2023



DISTRICT	COUNTY	CCSJ	SHEET
Dallas	Collin	2056-01-042	14C



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 2056-01-042

DISTRICT Dallas
HIGHWAY FM 2551

COUNTY Collin

CONTROL SECTION JOB				2056-01-042		2056-01-043		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00050518		R00002027			
COUNTY				Collin		Collin			
HIGHWAY				FM 2551		FM 2551			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL		
	682-6006	VEH SIG SEC (12")LED(REDAW)	EA	22.000				22.000	
	682-6018	PED SIG SEC (LED)(COUNTDOWN)	EA	18.000				18.000	
	682-6054	BACKPLATE W/REF BRDR(3 SEC)(VENT)ALUM	EA	20.000				20.000	
	682-6055	BACKPLATE W/REF BRDR(4 SEC)(VENT)ALUM	EA	4.000				4.000	
	682-6056	BACKPLATE W/REF BRDR(5 SEC)(VENT)ALUM	EA	7.000				7.000	
	684-6031	TRF SIG CBL (TY A)(14 AWG)(5 CONDR)	LF	2,030.000				2,030.000	
	684-6033	TRF SIG CBL (TY A)(14 AWG)(7 CONDR)	LF	795.000				795.000	
	684-6047	TRF SIG CBL (TY A)(14 AWG)(21 CONDR)	LF	1,420.000				1,420.000	
	684-6079	TRF SIG CBL (TY C)(12 AWG)(2 CONDR)	LF	3,465.000				3,465.000	
	686-6043	INS TRF SIG PL AM(S)1 ARM(40')LUM	EA	1.000				1.000	
	686-6059	INS TRF SIG PL AM(S)1 ARM(55')LUM	EA	1.000				1.000	
	686-6063	INS TRF SIG PL AM(S)1 ARM(60')LUM	EA	2.000				2.000	
	686-6067	INS TRF SIG PL AM(S)1 ARM(65')LUM	EA	2.000				2.000	
	687-6001	PED POLE ASSEMBLY	EA	17.000				17.000	
	687-6002	PEDESTRIAN PUSH BUTTON POLE	EA	1.000				1.000	
	688-6001	PED DETECT PUSH BUTTON (APS)	EA	20.000				20.000	
	688-6003	PED DETECTOR CONTROLLER UNIT	EA	3.000				3.000	
	730-6107	FULL - WIDTH MOWING	CYC	6.000				6.000	
	3077-6001	SP MIXESSP-BPG64-22	TON	39,212.000				39,212.000	
	3077-6075	TACK COAT	GAL	10,694.000				10,694.000	
	5026-6002	ASBESTOS ABATEMENT (OTHER)	LF			1,688.000		1,688.000	
	6004-6031	ITS COM CBL (ETHERNET)	LF	420.000				420.000	
	6010-6002	CCTV FIELD EQUIPMENT (DIGITAL)	EA	1.000				1.000	
	6027-6003	CONDUIT (PREPARE)	LF	760.000				760.000	
	6027-6008	GROUND BOX (PREPARE)	EA	9.000				9.000	
	6054-6005	ANTENNA (UNI-DIRECTIONAL)	EA	1.000				1.000	
	6062-6018	ITS RADIO (SNGL)(5 GHZ)-I-U	EA	1.000				1.000	
	6185-6002	TMA (STATIONARY)	DAY	25.000				25.000	
	6185-6005	TMA (MOBILE OPERATION)	DAY	40.000				40.000	
	6292-6005	RVDS(ADVANCE DET ONLY)(INSTALL ONLY)	EA	1.000				1.000	
	6306-6006	VIVDS TEMPORARY	EA	2.000				2.000	
	6306-6009	VIVDS PROSR SYS (INSTALL ONLY)	EA	2.000				2.000	
	6306-6010	VIVDS CAM ASSY (INSTALL ONLY)	EA	8.000				8.000	
	6306-6012	VIVDS CABLING (INSTALL ONLY)	LF	,950.000				1,950.000	
	7314-6001	RMV & DISP 4" WL W/ CASING, FIT, VV	LF			318.000		318.000	
	7314-6002	RMV & DISP 8" WL W/ CASING, FIT, VV	LF			319.000		319.000	
	7314-6003	RMV & DISP 12" WL W/ CASING, FIT, VV	LF			276.000		276.000	

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DISTRICT	COUNTY	CCSJ	SHEET
Dallas	Collin	2056-01-042	14D



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 2056-01-042

DISTRICT Dallas
HIGHWAY FM 2551

COUNTY Collin

CONTROL SECTION JOB				2056-01-042		2056-01-043		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00050518		R00002027			
COUNTY				Collin		Collin			
HIGHWAY				FM 2551		FM 2551			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL		
	7314-6004	REMOVE & DISPOSE FIRE HYDRANT	EA			1.000		1.000	
	7314-6005	RMV & SALV STND FIRE HYDRANT & 6" RSVG	EA			1.000		1.000	
	7314-6006	FULL DEPTH SAW CUT FOR REMOVAL	LF			33.000		33.000	
	7314-6007	REMOVE CONCRETE DRIVEWAY	LS			1.000		1.000	
	7314-6008	REMOVE & REPLACE ASPHALT STREET	LS			1.000		1.000	
	7314-6009	REMOVE TREE INCLUDING ROOT BALL	EA			7.000		7.000	
	7314-6010	FURN, INSTL, MAINT & RMV INLET PROTECT	EA			2.000		2.000	
	7314-6011	FURN, INSTL 4" HDPE TEMP WL INCLUD FIT	LF			154.000		154.000	
	7314-6012	FURN & INSTL 6" WL (OPEN CUT)	LF			50.000		50.000	
	7314-6013	FUR&INSTL 6" WL W/12" STL CAS OPEN CUT	LF			170.000		170.000	
	7314-6014	FUR&INSTL 6" WL W/12" STL CAS (OTHER)	LF			120.000		120.000	
	7314-6015	FURN & INSTL 8" WL (OPEN CUT)	LF			521.000		521.000	
	7314-6016	FUR&INSTL 8" WL W/14" STL CAS OPEN CUT	LF			240.000		240.000	
	7314-6017	FURN & INSTL 12" WL (OPEN CUT)	LF			45.000		45.000	
	7314-6018	FUR&INSTL 12" WL W/18" STL CAS OPEN CUT	LF			212.000		212.000	
	7314-6019	FUR&INSTL 12" WL W/18" STL CAS (OTHER)	LF			45.000		45.000	
	7314-6020	FUR & INSTL 4" RESIL SEAT GATE VALVE	EA			1.000		1.000	
	7314-6021	FUR & INSTL 6" RESIL SEAT GATE VALVE	EA			3.000		3.000	
	7314-6022	FUR & INSTL 8" RESIL SEAT GATE VALVE	EA			4.000		4.000	
	7314-6023	FUR & INSTL 12" RESIL SEAT GATE VALVE	EA			1.000		1.000	
	7314-6024	FUR & INSTL 12" X 2" TAP SLV & VALVE	EA			3.000		3.000	
	7314-6025	FUR & INSTL 12" X 6" TAP SLV & VALVE	EA			3.000		3.000	
	7314-6026	FUR & INSTL 12" X 12" TAP SLV & VALVE	EA			1.000		1.000	
	7314-6027	FURN & INSTL STANDARD FIRE HYDRANT	EA			3.000		3.000	
	7314-6028	FUR & INSTL 1" HDPE SERV LINE OPEN CUT	LF			175.000		175.000	
	7314-6029	FUR & INSTL 2" HDPE 3" STL CAS OPEN CUT	LF			162.000		162.000	
	7314-6030	FUR & INSTL 2" HDPE BY OPEN CUT	LF			50.000		50.000	
	7314-6031	FUR & INSTL 2" HDPE 3" STL CAS (OTHER)	LF			120.000		120.000	
	7314-6032	FUR & INSTL 2" BULL HEAD W/ REDUCER	EA			2.000		2.000	
	7314-6033	FUR & INSTL METER BOX W/ METER SET	EA			3.000		3.000	
	7314-6034	CONNECT TO EXIST 4" WL	EA			2.000		2.000	
	7314-6035	CONNECT TO EXIST 8" WL	EA			4.000		4.000	
	7314-6036	CONNECT TO EXIST 12" WL	EA			4.000		4.000	
	7314-6037	CONNECT TO EXIST WATER SERVICE	EA			3.000		3.000	
	7314-6038	FUR, INSTL & RMV TRENCH SAFE NW LNE	LF			1,450.000		1,450.000	
	7314-6039	FUR, INSTL & RMV TRENCH SAFE WL RMV	LF			2,283.000		2,283.000	
	7314-6040	FUR, INSTL & RMV TRENCH SAFE BORE PIT	LS			1.000		1.000	

ADDENDUM 1, REVISED 03/22/2023



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 2056-01-042

DISTRICT Dallas
HIGHWAY FM 2551

COUNTY Collin

CONTROL SECTION JOB				2056-01-042		2056-01-043		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00050518		R00002027			
COUNTY				Collin		Collin			
HIGHWAY				FM 2551		FM 2551			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL		
	7314-6041	FUR, INSTL, MAINT & RMV BARRICADES	LS			1.000		1.000	
	08	CONTRACTOR FORCE ACCOUNT EROSION CONTROL MAINTENANCE (NON-PARTICIPATING)	LS	1.000				1.000	
		CONTRACTOR FORCE ACCOUNT LAW ENFORCEMENT (NON-PARTICIPATING)	LS	1.000				1.000	
		CONTRACTOR FORCE ACCOUNT SAFETY CONTINGENCY (NON-PARTICIPATING)	LS	1.000				1.000	


 ADDENDUM 1, REVISED 03/22/2023

3/27/2023 4:18:42 PM klocinon pw:/Active Projects/COLC1201.00/8.00 Plans and Drawings/8.30 Cut Sheets/8.3.02 Summaries/1201ITCs01.dgn

SUMMARY OF TRAFFIC CONTROL ITEMS

SHEET NO.	PHASE	LOCATION	0400	0403	0502	0508	0512	0512	0512	0512	0662	0662	0662	0662	0662	0677	0677	0677	0677	6185	6185		
			6006	6001	6001	6001	6009	6010	6057	6058	6061	6063	6075	6080	6095	6001	6007	6008	6011	6002	6005		
			CUT AND RESTORE PAV	TEMPORARY SPL SHORING	BARRICADES, SIGNS AND TRAFFIC HANDLING	CONSTRUCTING DETOURS	PORT CTB (FUR & INST) (LOW PROF) (TY 1)	PORT CTB (FUR & INST) (LOW PROF) (TY 2)	PORT CTB (REMOVE) (LOW PROF) (TY 1)	PORT CTB (REMOVE) (LOW PROF) (TY 2)	WK ZN PAV MRK REMOV (W) 4" (DOT)	WK ZN PAV MRK REMOV (W) 4" (SLD)	WK ZN PAV MRK REMOV (W) 24" (SLD)	WK ZN PAV MRK REMOV (W) (ARROW)	WK ZN PAV MRK REMOV (Y) 4" (SLD)	ELIM EXT PAV MRK & MRKS (4")	ELIM EXT PAV MRK & MRKS (24")	ELIM EXT PAV MRK & MRKS (ARROW)	ELIM EXT PAV MRK & MRKS (WORD)	(TMA (STATIONARY))	(TMA (MOBILE OPERATION))		
SY	SF	MO	SY	LF	LF	LF	LF	LF	LF	LF	EA	LF	LF	LF	EA	EA	EA	EA	DAY	DAY			
SHEET 1 OF 11	PHASE 1	BEGIN TO STA 186+00																					
SHEET 2 OF 11	PHASE 1	STA 186+00 TO STA 202+00																					
SHEET 3 OF 11	PHASE 1	STA 202+00 TO STA 218+00																					
SHEET 4 OF 11	PHASE 1	STA 218+00 TO STA 233+00																					
SHEET 5 OF 11	PHASE 1	STA 233+00 TO STA 251+00																					
SHEET 6 OF 11	PHASE 1	STA 251+00 TO STA 268+00																					
SHEET 7 OF 11	PHASE 1	STA 268+00 TO STA 286+00																					
SHEET 8 OF 11	PHASE 1	STA 286+00 TO STA 303+00																					
SHEET 9 OF 11	PHASE 1	STA 303+00 TO STA 321+00																					
SHEET 10 OF 11	PHASE 1	STA 321+00 TO STA 338+00																					
SHEET 11 OF 11	PHASE 1	STA 338+00 TO END																					
SHEET 1 OF 14	PHASE 2	BEGIN TO STA 186+00																					
SHEET 2 OF 14	PHASE 2	STA 186+00 TO STA 202+00																					
SHEET 3 OF 14	PHASE 2	STA 202+00 TO STA 218+00																					
SHEET 4 OF 14	PHASE 2	STA 218+00 TO STA 233+00																					
SHEET 5 OF 14	PHASE 2	STA 233+00 TO STA 251+00																					
SHEET 6 OF 14	PHASE 2	STA 251+00 TO STA 268+00																					
SHEET 7 OF 14	PHASE 2	STA 268+00 TO STA 286+00																					
SHEET 8 OF 14	PHASE 2	STA 286+00 TO STA 303+00																					
SHEET 9 OF 14	PHASE 2	STA 303+00 TO STA 321+00																					
SHEET 10 OF 14	PHASE 2	STA 321+00 TO STA 338+00																					
SHEET 11 OF 14	PHASE 2	STA 338+00 TO STA 352+00																					
SHEET 12 OF 14	PHASE 2	STA 352+00 TO END																					
SHEET 13 OF 14	PHASE 2	EAST PARKER ROAD																					
SHEET 14 OF 14	PHASE 2	BETHANY/LUCAS INTERSECTION																					
SHEET 1 OF 14	PHASE 3	BEGIN TO STA 186+00																					
SHEET 2 OF 14	PHASE 3	STA 186+00 TO STA 202+00																					
SHEET 3 OF 14	PHASE 3	STA 202+00 TO STA 218+00																					
SHEET 4 OF 14	PHASE 3	STA 218+00 TO STA 233+00																					
SHEET 5 OF 14	PHASE 3	STA 233+00 TO STA 251+00																					
SHEET 6 OF 14	PHASE 3	STA 251+00 TO STA 268+00																					
SHEET 7 OF 14	PHASE 3	STA 268+00 TO STA 286+00																					
SHEET 8 OF 14	PHASE 3	STA 286+00 TO STA 303+00																					
SHEET 9 OF 14	PHASE 3	STA 303+00 TO STA 321+00																					
SHEET 10 OF 14	PHASE 3	STA 321+00 TO STA 338+00																					
SHEET 11 OF 14	PHASE 3	STA 338+00 TO STA 352+00																					
SHEET 12 OF 14	PHASE 3	STA 352+00 TO END																					
SHEET 13 OF 14	PHASE 3	DILLEHAY DRIVE																					
SHEET 14 OF 14	PHASE 3	BETHANY/LUCAS INTERSECTION																					
SHEET 1 OF 12	PHASE 4	BEGIN TO STA 186+00																					
SHEET 2 OF 12	PHASE 4	STA 186+00 TO STA 202+00																					
SHEET 3 OF 12	PHASE 4	STA 202+00 TO STA 218+00																					
SHEET 4 OF 12	PHASE 4	STA 218+00 TO STA 233+00																					
SHEET 5 OF 12	PHASE 4	STA 233+00 TO STA 251+00																					
SHEET 6 OF 12	PHASE 4	STA 251+00 TO STA 268+00																					
SHEET 7 OF 12	PHASE 4	STA 268+00 TO STA 286+00																					
SHEET 8 OF 12	PHASE 4	STA 286+00 TO STA 303+00																					
SHEET 9 OF 12	PHASE 4	STA 303+00 TO STA 321+00																					
SHEET 10 OF 12	PHASE 4	STA 321+00 TO STA 338+00																					
SHEET 11 OF 12	PHASE 4	STA 338+00 TO END																					
PROJECT TOTAL			521	17707	30	8062	2680	120	2680	120	1797	44608	1199	1	75997	20855	50	15	15	25	40		

NO.	REVISION	BY	DATE



TEXAS REGISTERED ENGINEERING FIRM, F-1741

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FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
FM 2551 (MURPHY ROAD)

SUMMARY

WORK ZONE TRAFFIC CONTROL

Designed:	CPY	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
Checked:	CPY	6	TEXAS	SEE TITLE SHEET	FM 2551
Drawn:	CPY	DIST.	COUNTY	CONTROL SECTION NO.	JOB SHEET NO.
Checked:	CPY	DALLAS	COLLIN	2056 01	042 17

ADDENDUM 1. 3/22/23. REVISED SHEET

3/22/2023 4:21:34 PM oklocinski pw:/Active Projects/COL/C1201.00/8.00 Plans and Drawings/8.30 Cut Sheets/8.3.02 Summaries/120IRDr01.dgn

SUMMARY OF REMOVAL ITEMS

SHEET NO.	LOCATION	0104	0104	0104	0104	0105	0105	0104			0550	0550	0496	0496	0496	0496	0496
		6001	6009	6015	6017	6070	6109	6011			6003	6006	6002	6004	6006	6007	6008
		REMOVING CONC (PAV)	REMOVING CONC (RIPRAP)	REMOVING CONC (SIDEWALKS)	REMOVING CONC (DRIVEWAYS)	REMOVING STAB BASE & ASPH PAV (6" - 8")	REMOVING STAB BASE & ASPH PAV (8"-19")	REMOVING CONC (MEDIANS)	*REMOVE GRAVEL DRIVEWAY	*REMOVE WALL	CHAIN LINK FENCE (REMOVE)	GATE (REMOVE)	REMOV STR (INLET)	REMOV STR (SET)	REMOV STR (HEADWALL)	REMOV STR (PIPE)	REMOV STR (BOX CULVERT)
SHEET 1 OF 11	BEGIN TO STA 186+00	SY	SY	SY	SY	SY	SY	SY	SY	LF	LF	EA	EA	EA	EA	LF	LF
SHEET 2 OF 11	STA 186+00 TO STA 202+00	76							375								
SHEET 3 OF 11	STA 202+00 TO STA 218+00	1558							460		1216	1				22	
SHEET 4 OF 11	STA 218+00 TO STA 233+00	432												2		38	
SHEET 5 OF 11	STA 233+00 TO STA 251+00	1043												1	2		83
SHEET 6 OF 11	STA 251+00 TO STA 268+00	2144		56	36	501	5775	50			395			6	6	934	
SHEET 7 OF 11	STA 268+00 TO STA 286+00	1678		63			5368							1	10	432	
SHEET 8 OF 11	STA 286+00 TO STA 303+00	519		149	380	164	9485	12						1	6	219	
SHEET 9 OF 11	STA 303+00 TO STA 321+00	410		73	620		7482								8	398	
SHEET 10 OF 11	STA 321+00 TO STA 338+00	664					4707								8	315	
SHEET 11 OF 11	STA 338+00 TO END	546					4089									8	
PROJECT TOTAL		9070	0	341	1036	665	43884	62	835	33	1701	1	5	47	8	2856	83

*FOR CONTRACTORS INFO ONLY

SUMMARY OF MISC WATERLINE ITEMS

	5026		
	6002		
	ASBESTOS ABATEMENT (OTHER)		
	LF		
PROJECT TOTAL	1688		

REFER TO CITY OF PARKER UTILITY RELOCATION PLAN FOR ASBESTOS REMOVAL LOCATION AND STATION.


SUMMARY OF PAVEMENT MARKING AND SIGNING

SHEET NUMBER	0644	0644	0644	0644	0666	0666	0666	0666	0666	0666	0666	0666	0666	0666	0666	0666	0666	0666	0666
	6001	6004	6007	6068	6036	6042	6048	6054	6078	6171	6178	6180	6182	6184	6192	6210	6306	6309	6321
	IN SM RD SN SUP&AM TY10BWG (1)SA(P)	IN SM RD SN SUP&AM TY10BWG (1)SA(T)	IN SM RD SN SUP&AM TY10BWG (1)SA(U)	RELOCATE SM RD SN SUP&AM TY10BWG	REFL PAV MRK TY I (W) 8" (SLD) (100MIL)	REFL PAV MRK TY I (W) 12" (SLD) (100MIL)	REFL PAV MRK TY I (W) 24" (SLD) (100MIL)	REFL PAV MRK TY I (W)(ARROW) (100MIL)	REFL PAV MRK TY I (WORD) (100MIL)	REFL PAV MRK TY II (W) 6" (BRK)	REFL PAV MRK TY II (W) 8" (SLD)	REFL PAV MRK TY II (W) 12" (SLD)	REFL PAV MRK TY II (W) 24" (SLD)	REFL PAV MRK TY II (W) (ARROW)	REFL PAV MRK TY II (W) (WORD)	REFL PAV MRK TY II (Y) 6" SLD	RE PM W/RET REQ TY I (W) 6" (BRK) (100MIL)	RE PM W/RET REQ TY I (W) 6" (SLD) (100MIL)	RE PM W/RET REQ TY I (Y) 6" (SLD) (100MIL)
SHEET 1 OF 11	EA	EA	EA	EA	LF	LF	LF	EA	EA	LF	LF	LF	LF	EA	EA	LF	LF	LF	LF
SHEET 2 OF 11	5	1	6		327		408	6	3	1595	327		408	6	3		1595		
SHEET 3 OF 11	4				802		115	5	6	1600	802		115	5	6		1600		
SHEET 4 OF 11	5		1		950		286	8	7	1600	950		286	8	7		1600		
SHEET 5 OF 11	5				273		230	2	2	1500	273		230	2	2	562	1500	563	562
SHEET 6 OF 11	8			2	634		359	6	4	1800	634		359	6	4		1800		
SHEET 7 OF 11	5	2			800		363	6	6	1730	800		363	6	6		1730		
SHEET 8 OF 11	4				589		377	5	5	1800	589		377	5	5	70	1800		70
SHEET 9 OF 11	1			1	1286		602	9	9	1796	1286		602	9	9	68	1796		68
SHEET 10 OF 11	4				697		153	9	5	1800	697		153	9	5	161	1800		161
SHEET 11 OF 11	5		1		483		208	3	3	1700	483		208	3	3		1700		
SHEET 11 OF 11	8	4	4		1694	267	444	8	8	1005	1694	267	444	8	8		1005		
PROJECT TOTAL	54	7	12	3	8535	267	3545	67	58	17926	8535	267	3545	67	58	861	17926	563	861

SUMMARY OF PAVEMENT MARKING AND SIGNING (CON'T)

SHEET NUMBER	0672	0672	0672	0678	0678	0678	0678	0678	0678
	6007	6009	6010	6002	6004	6006	6008	6009	6016
	REFL PAV MRKR TY I-C	REFL PAV MRKR TY II-A-A	REFL PAV MRKR TY II-C-R	PAV SURF PREP FOR MRK (6")	PAV SURF PREP FOR MRK (8")	PAV SURF PREP FOR MRK (12")	PAV SURF PREP FOR MRK (24")	PAV SURF PREP FOR MRK (ARROW)	PAV SURF PREP FOR MRK (WORD)
SHEET 1 OF 11	EA	EA	EA	LF	LF	LF	LF	EA	EA
SHEET 2 OF 11	16		80	1595	327		408	6	3
SHEET 3 OF 11	40		80	1600	802		115	5	6
SHEET 4 OF 11	48		80	1600	950		286	8	7
SHEET 5 OF 11	14	7	75	2062	273		230	2	2
SHEET 6 OF 11	32		90	1800	634		359	6	4
SHEET 7 OF 11	40		87	1730	800		363	6	6
SHEET 8 OF 11	29	1	90	1870	589		377	5	5
SHEET 9 OF 11	64	1	90	1864	1286		602	9	9
SHEET 10 OF 11	35	2	90	1961	697		153	9	5
SHEET 11 OF 11	24		85	1700	483		208	3	3
SHEET 11 OF 11	85		50	1005	1694	267	444	8	8
PROJECT TOTAL	427	11	897	18787	8535	267	3545	67	58

ADDENDUM 1. 3/22/23. REVISED SHEET

NO.	REVISION	BY	DATE
 TEXAS REGISTERED ENGINEERING FIRM. F-1741			
©2023 Texas Department of Transportation FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET) FM 2551 (MURPHY ROAD)			
SUMMARY REMOVAL / STRIPING / SIGNING			
Designed:	CPY	FED. RD. DIV. NO.	STATE
Checked:	CPY	6	TEXAS
Drawn:	CPY	DIST.	COUNTY
Checked:	CPY	DALLAS	COLLIN
		PROJECT NO.	2056_01
		SEE TITLE SHEET	042
		JOB NO.	042
		SHEET NO.	18



3/22/2023 2:58:09 PM kperry pw:/Active Projects/COLC1201.00/8.00 Plans and Drawings/8.30 Cut Sheets/8.3.02 Summaries/1201DRas01.dgn

SUMMARY OF DRAINAGE ITEMS

SHEET NO.	LOCATION	0402	420	0462	0462	0462	0462	0462	0462	0462	0464	0464	0464	0464	0465	0465	0465	0465	0465	0465
		6001	6143	6001	6002	6004	6006	6007	6010	6014	6003	6005	6007	6008	6005	6006	6012	6029	6030	6031
		TRENCH EXCAVATION PROTECTION	CL S CONC (JUNCTION BOX)	CONC BOX CULV (3 FT X 2 FT)	CONC BOX CULV (3 FT X 3 FT)	CONC BOX CULV (4 FT X 3 FT)	CONC BOX CULV (5 FT X 2 FT)	CONC BOX CULV (5 FT X 3 FT)	CONC BOX CULV (6 FT X 3 FT)	CONC BOX CULV (7 FT X 3 FT)	RC PIPE (CL III) (18 IN)	RC PIPE (CL III) (24 IN)	RC PIPE (CL III) (30 IN)	RC PIPE (CL III) (36 IN)	JCTBOX (COMPL) (PJB) (3FTX3FT)	JCTBOX (COMPL) (PJB) (4FTX4FT)	JCTBOX (COMPL) (PJB) (8FTX8FT)	INLET (COMPL) (PCU) (3FT) (NONE)	INLET (COMPL) (PCU) (3FT) (LEFT)	INLET (COMPL) (PCU) (3FT) (RIGHT)
		LF	CY	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA
SHEET 1 OF 25	CL FM 2514 STA 31+00 TO STA 39+00	734								726										
SHEET 2 OF 25	CL FM 2514 STA 23+00 TO STA 31+00	800								784										
SHEET 3 OF 25	CL FM 2514 STA 15+00 TO STA 23+00	802								786										
SHEET 4 OF 25	BEGIN TO STA 177+00	1747			382	836				54				342					2	3
SHEET 5 OF 25	STA 177+00 TO STA 186+00	1916			888									974					4	12
SHEET 6 OF 25	STA 186+00 TO STA 194+00	1322		15	295									1294					4	6
SHEET 7 OF 25	STA 194+00 TO STA 202+00	266												1097					2	2
SHEET 8 OF 25	STA 202+00 TO STA 210+00	30												675					2	2
SHEET 9 OF 25	STA 210+00 TO STA 218+00	35												1167	414				3	3
SHEET 10 OF 25	STA 218+00 TO STA 226+00	1011												942	178	590			4	4
SHEET 11 OF 25	STA 226+00 TO STA 233+00	70		144			229	608			92	793							2	2
SHEET 12 OF 25	STA 233+00 TO STA 242+00	120	14.2	891				216	772	57	114								5	3
SHEET 13 OF 25	STA 242+00 TO STA 251+00	378	20.4	884				560	316	15	74		29						4	3
SHEET 14 OF 25	STA 251+00 TO STA 259+00	1511		790				784		15	25								3	3
SHEET 15 OF 25	STA 259+00 TO STA 268+00	1772		188				186			762		694						4	3
SHEET 16 OF 25	STA 268+00 TO STA 277+00	1639									1221		594						5	3
SHEET 17 OF 25	STA 277+00 TO STA 286+00	1870									1825								6	4
SHEET 18 OF 25	STA 286+00 TO STA 294+00	806									1357								3	3
SHEET 19 OF 25	STA 294+00 TO STA 303+00	649									1883								4	3
SHEET 20 OF 25	STA 303+00 TO STA 312+00	115		261							723								1	1
SHEET 21 OF 25	STA 312+00 TO STA 321+00	55		236			357			103	1087						2		3	3
SHEET 22 OF 25	STA 321+00 TO STA 329+00	85									205	240	604		2				2	2
SHEET 23 OF 25	STA 329+00 TO STA 338+00	80			324			785	510		128	143	100	2	1	1			5	4
SHEET 24 OF 25	STA 338+00 TO STA 345+00	519						689	512		20	20							3	2
SHEET 25 OF 25	STA 345+00 TO END	661						324			43	261							2	2
PROJECT TOTAL		18993	34.6	3409	1889	836	586	6502	1022	1088	345	16969	975	2611	2	3	1	2	73	73

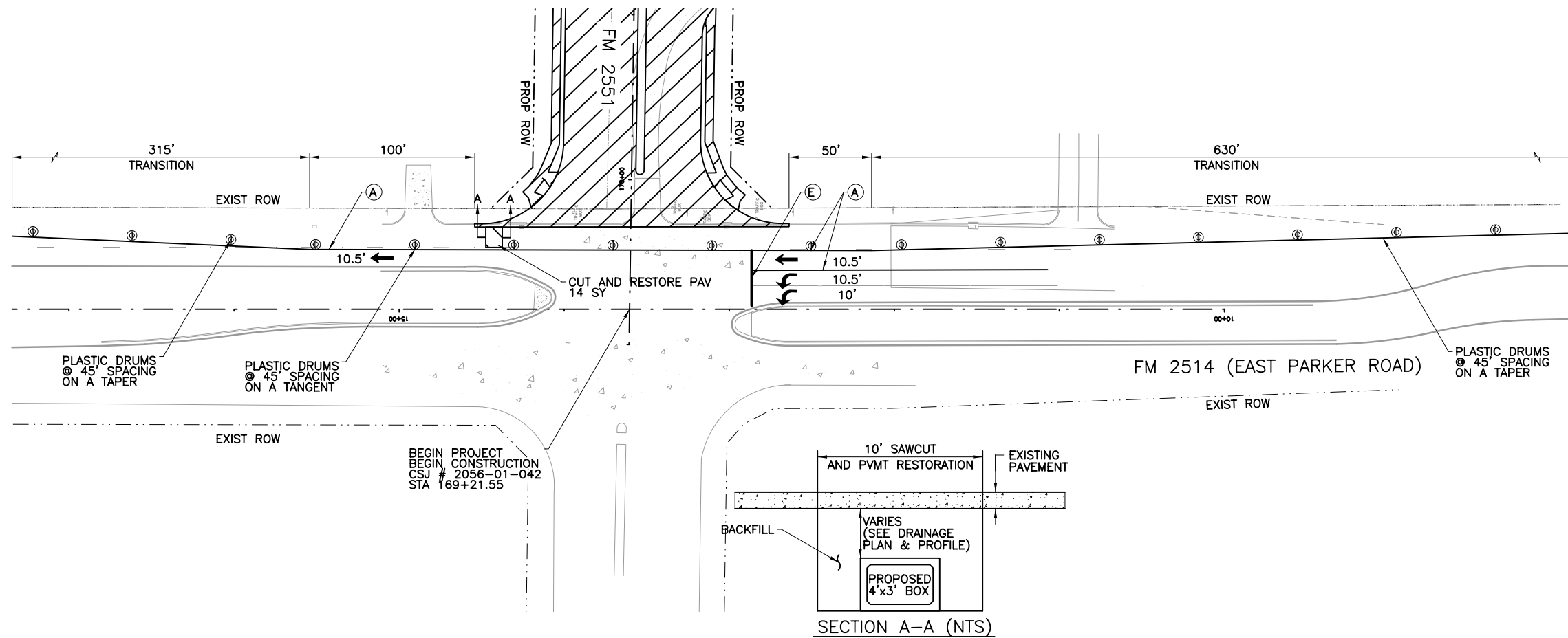
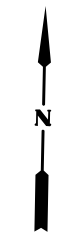
NOTE: DRAINAGE QUANTITIES INCLUDE LATERAL QUANTITIES ON THE SHEETS IN WHICH THEY APPEAR.

ADDENDUM 1. 3/22/23. REVISED SHEET

NO.	REVISION	BY	DATE
 TEXAS REGISTERED ENGINEERING FIRM, F-1741			
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FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET) FM 2551 (MURPHY ROAD)			
SUMMARY DRAINAGE			
Designed: CPY	SECT. NO. 6	STATE TEXAS	PROJECT NO. SEE TITLE SHEET
Checked: CPY	DIST. DALLAS	COUNTY COLLIN	JOB NO. 042
Drawn: CPY	CONTROL NO. 2056	SECTION NO. 01	SHEET NO. 20
Checked: CPY			

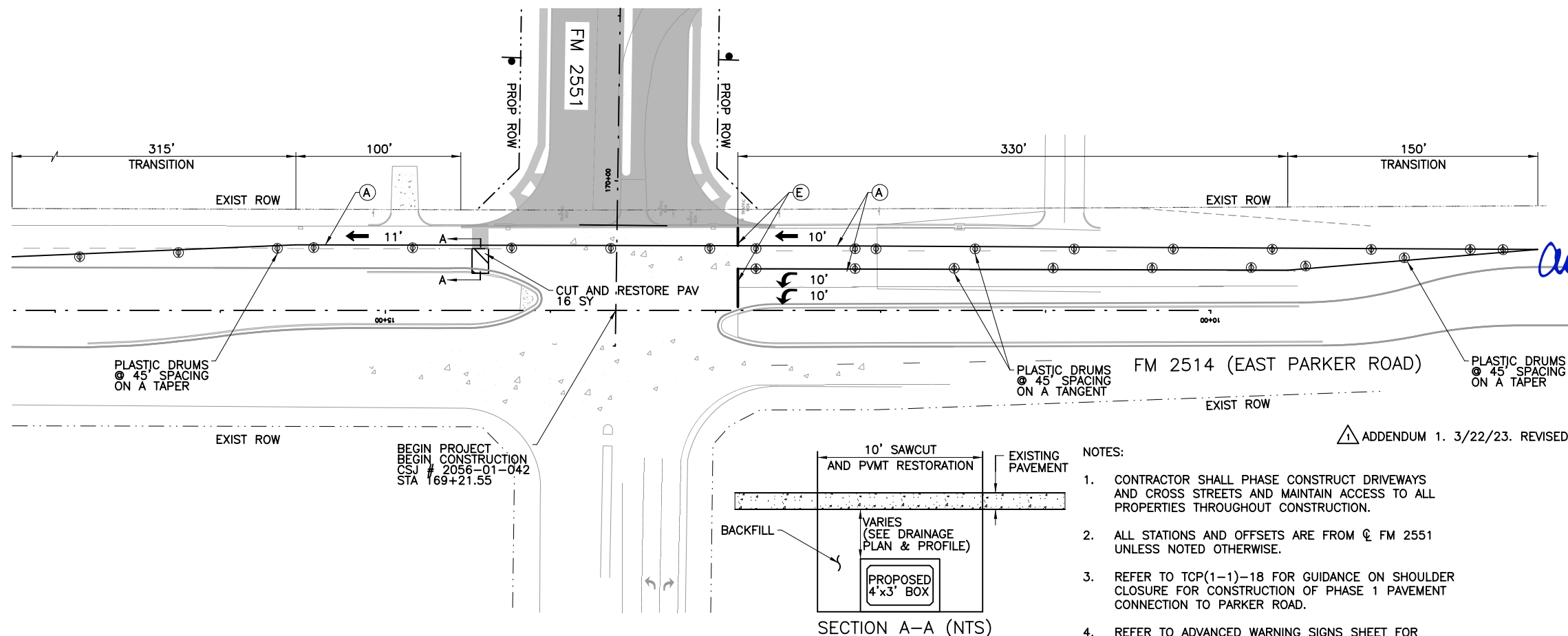
3/27/2023 4:12:48 PM klocinson pw:/Active Projects/COLC1201.00/8.00 Plans and Drawings/8.30 Cut Sheets/8.3.03 TCP/1201TC1/Ph212.dgn

PHASE 2 - STEP 1

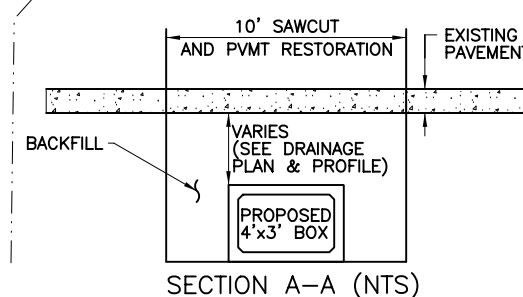


LEGEND	
	REMOVE EXISTING PAVEMENT
	CONSTRUCTION THIS PHASE
	CONSTRUCTION PREVIOUS PHASE
	TEMPORARY PAVEMENT THIS PHASE
	TEMPORARY PAVEMENT PREV PHASE
	PERM DRAINAGE THIS PHASE
	TRAFFIC DIRECTION (PROPOSED)
	PLASTIC DRUMS
	VERTICAL PANELS
	TYPE III BARRICADE
	TEMPORARY SHORING
	LOW PROFILE CONCRETE BARRIER
	SIGN POST
	WRK. ZN. PAV. MRK. (W) (4") (SLD)
	WRK. ZN. PAV. MRK. (W) (4") (BRK)
	WRK. ZN. PAV. MRK. (Y) (4") (SLD)
	WRK. ZN. PAV. MRK. (W) (4") (DOT)
	WRK. ZN. PAV. MRK. (W) (24") (SLD)
	WRK. ZN. PAV. MRK. (W) (ARROW)
	ELIM. EXT. PAV. MRK. & MRKS. (4")
	ELIM. EXT. PAV. MRK. & MRKS. (8")
	ELIM. EXT. PAV. MRK. & MRKS. (24")
	ELIM. EXT. PAV. MRK. & MRKS. (ARROW)
	ELIM. EXT. PAV. MRK. & MRKS. (WORD)
	PERMANENT STRIPING SEE SIGNING AND STRIPING PLANS

PHASE 2 - STEP 2



Andrea Klocinski
03/27/2023



- NOTES:
1. CONTRACTOR SHALL PHASE CONSTRUCT DRIVEWAYS AND CROSS STREETS AND MAINTAIN ACCESS TO ALL PROPERTIES THROUGHOUT CONSTRUCTION.
 2. ALL STATIONS AND OFFSETS ARE FROM C/FM 2551 UNLESS NOTED OTHERWISE.
 3. REFER TO TCP(1-1)-18 FOR GUIDANCE ON SHOULDER CLOSURE FOR CONSTRUCTION OF PHASE 1 PAVEMENT CONNECTION TO PARKER ROAD.
 4. REFER TO ADVANCED WARNING SIGNS SHEET FOR WARNING SIGN AND SPACING DETAIL.

ADDENDUM 1. 3/22/23. REVISED SHEET

NO.	REVISION	BY	DATE

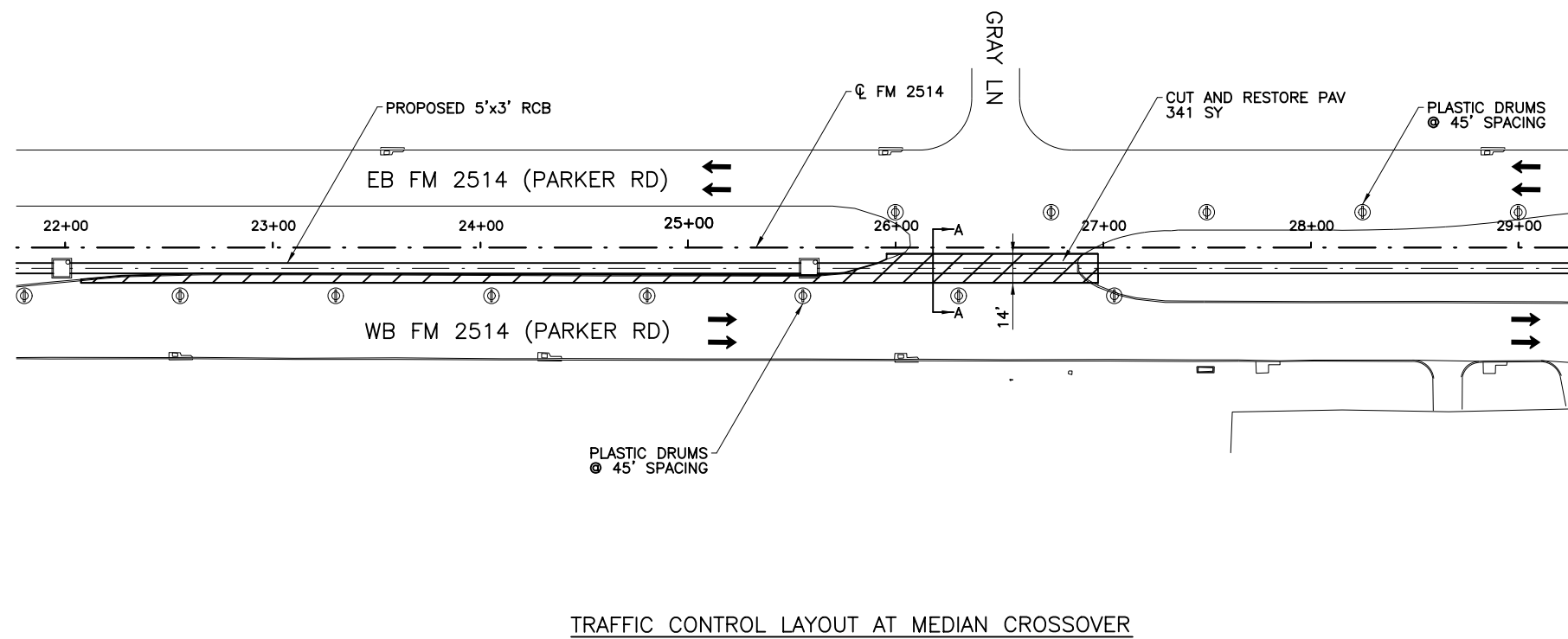
CP&Y
TEXAS REGISTERED ENGINEERING FIRM, F-1741

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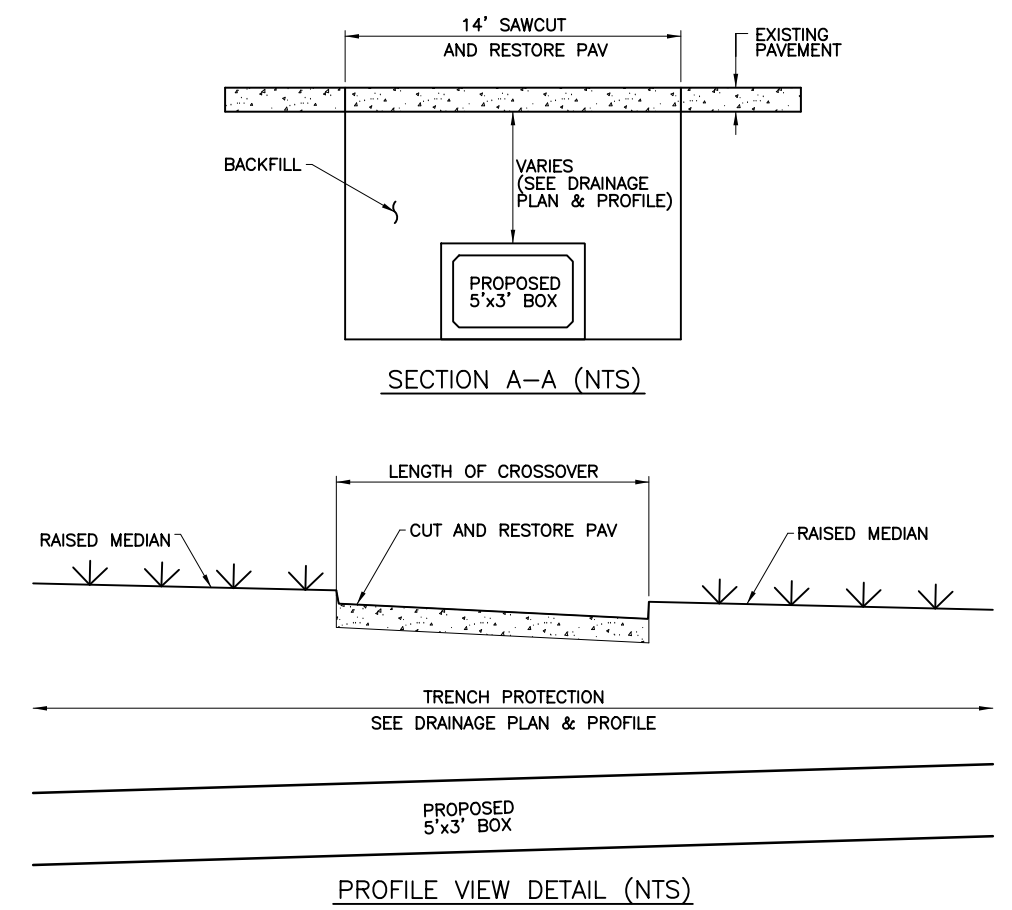
FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
FM 2551 (MURPHY ROAD)
TRAFFIC CONTROL PLAN
PHASE 2
EAST PARKER ROAD

Designed:	CPY	SHEET NO.:	6	STATE:	TEXAS	PROJECT NO.:	SEE TITLE SHEET	HIGHWAY NO.:	FM 2551
Checked:	CPY	DIST.:	DALLAS	COUNTY:	COLLIN	CONTROL NO.:	2056	SECTION NO.:	01
Drawn:	CPY	JOB NO.:	042	SHEET NO.:	67				

3/27/2023 4:00:30 PM klocinon pw:/Active Projects/COLC1201.00/8.00 Plans and Drawings/8.30 Cut Sheets/8.3.03 TCP/1201TC1IPh215.dgn

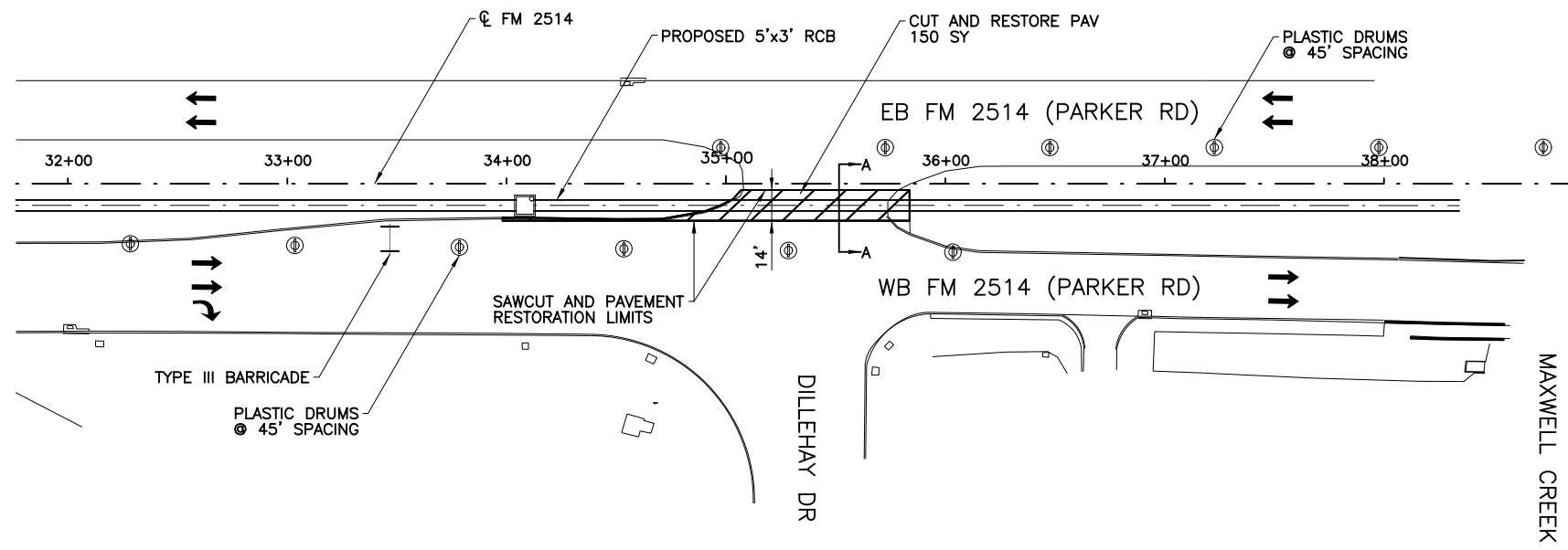


TRAFFIC CONTROL LAYOUT AT MEDIAN CROSSOVER



PROFILE VIEW DETAIL (NTS)

- NOTES:
- CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO DIGGING.
 - CONTRACTOR TO NOTE EXACT LOCATION OF EXISTING MEDIAN NOSE/CURB AND PAVEMENT CONDITION AND TO RESTORE CONDITIONS AS THEY WERE PRIOR TO CONSTRUCTION.



TRAFFIC CONTROL LAYOUT AT MEDIAN CROSSOVER



Andrea Klocinski
03/27/2023

NO.	REVISION	BY	DATE



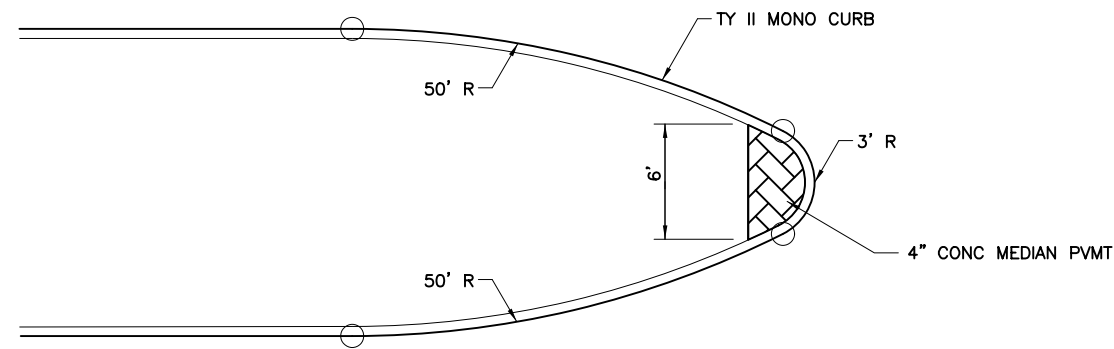
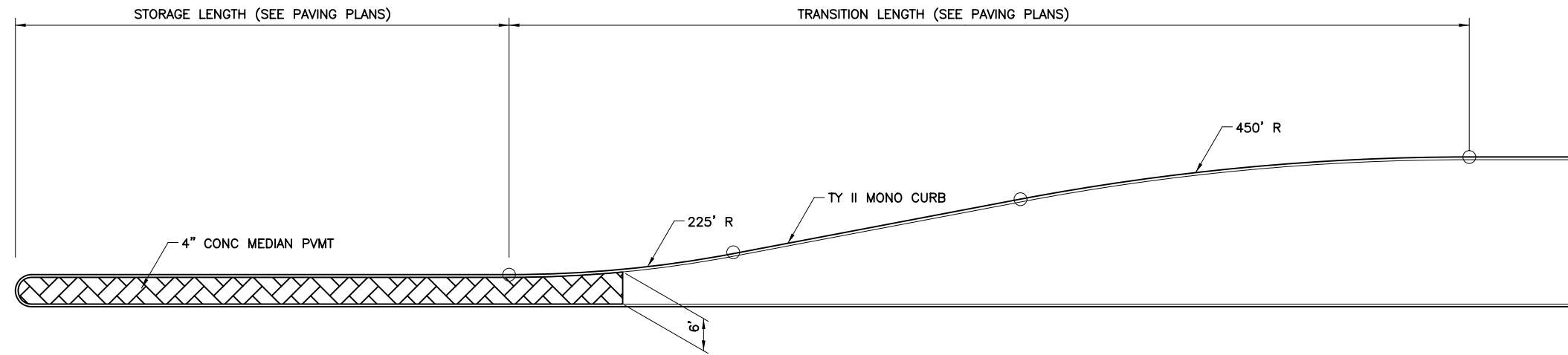
TEXAS REGISTERED ENGINEERING FIRM, F-1741

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FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
FM 2514 (PARKER ROAD)
**TRAFFIC CONTROL PLAN
MEDIAN CROSS OVER**

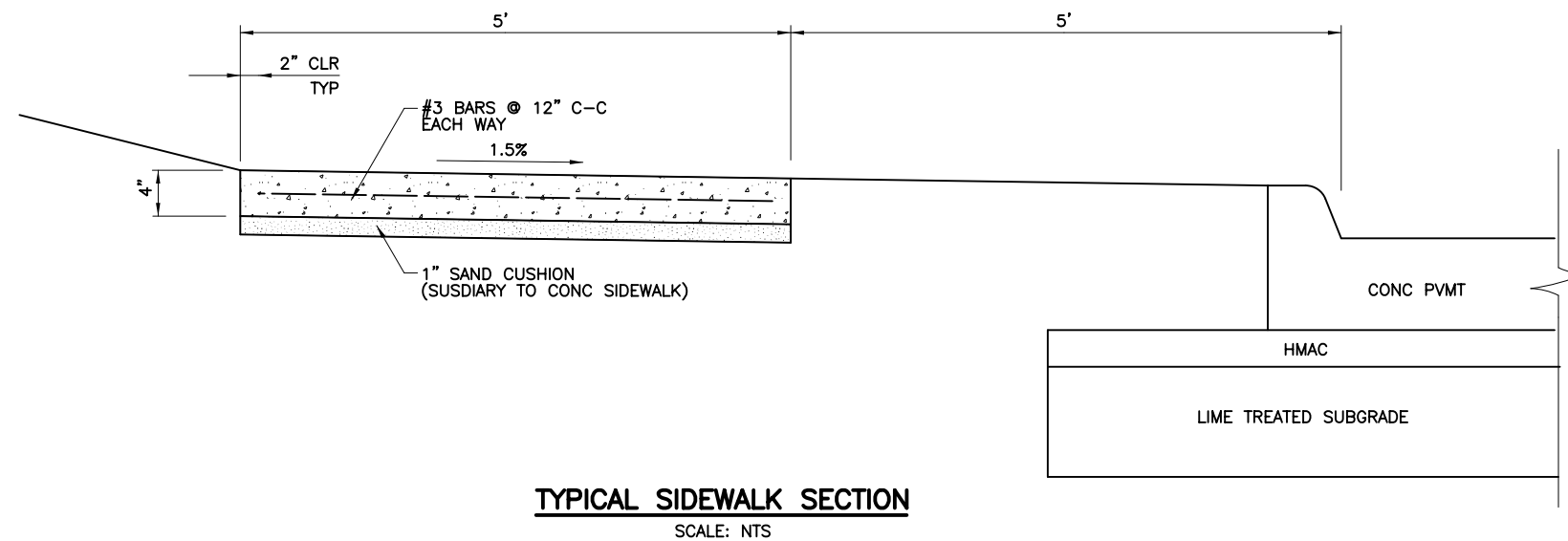
ADDENDUM 1. 3/22/23. REVISED SHEET

DESIGNED	COPY	SEQ. NO.	STATE	PROJECT NO.	HIGHWAY NO.	
Checked:	CPY	6	TEXAS	SEE TITLE SHEET	FM 2551	
DRAWN	COPY	DIST.	COUNTY	CONTROL SECTION	JOB NO.	SHEET NO.
Checked:	CPY	DALLAS	COLLIN	2056 01	042	69

3/23/2023 10:59:01 AM oklocinski pw:/Active Projects/COLC1201.00/8.00 Plans and Drawings/8.30 Cut Sheets/8.3.04 Roadway/1201RDdtis03.dgn



TYPICAL MEDIAN DETAILS
SCALE: NTS



TYPICAL SIDEWALK SECTION
SCALE: NTS

△ ADDENDUM 1. 3/22/23. REVISED SHEET



Andrea Klocinski

03/22/2023

NO.	REVISION	BY	DATE

TEXAS REGISTERED ENGINEERING FIRM. F-1741

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FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
FM 2551 (MURPHY ROAD)

**MISCELLANEOUS
ROADWAY DETAILS**

DESIGNED:	CPY	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
Checked:	CPY	6	TEXAS	SEE TITLE SHEET	FM 2551
Drawn:	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.
Checked:	DALLAS	COLLIN	2056	01	042
					SHEET NO.
					205

STORM SEWER GEOPAK DRAINAGE COMPUTATIONS

Table with columns: LINE, UPSTREAM NODE, DOWNSTREAM NODE, RISE, SPAN, N VALUE, DISCHARGE, CAPACITY, LENGTH, SLOPE, UNIFORM VELOCITY, UNIFORM DEPTH, ACTUAL VELOCITY, ACTUAL DEPTH UPSTREAM, ACTUAL DEPTH DOWN-STREAM, INVERT UPSTREAM, INVERT DOWN-STREAM, HGL UPSTREAM, HGL DOWN-STREAM.

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3/22/23

Handwritten signature: Kristen L. Perry

Revision table and title block containing project details: TEXAS REGISTERED ENGINEERING FIRM, F-1741; TEXAS Department of Transportation; PROJECT NO. 2056; SHEET NO. 260.

ADDENDUM 1. 3/22/23. REVISED SHEET SHEET 1 OF 9

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STORM SEWER GEOPAK DRAINAGE COMPUTATIONS

LINE	UPSTREAM NODE	DOWNSTREAM NODE	RISE	SPAN	N VALUE	DISCHARGE	CAPACITY	LENGTH	SLOPE	UNIFORM VELOCITY	UNIFORM DEPTH	ACTUAL VELOCITY	ACTUAL DEPTH UPSTREAM	ACTUAL DEPTH DOWN-STREAM	INVERT UPSTREAM	INVERT DOWN-STREAM	HGL UPSTREAM	HGL DOWN-STREAM
ID	ID	ID	FT	FT		CFS	CFS	FT	%	FT/S	FT	FT/S	FT	FT	FT	FT	FT	FT
LAT A1-01	A1-01	PB-A1-01	2	n/a	0.012	1.20	34.08	4.91	1.67	4.84	0.27	0.45	1.52	1.60	640.48	640.40	642.00	641.99
LAT A1-02	A1-02	PB-A1-02	2	n/a	0.012	1.19	26.34	4.91	1.00	4.03	0.30	0.38	2.00	2.00	639.48	639.43	641.66	641.66
LAT A1-03	A1-03	MH-A1-01	3	6	0.012	51.40	157.97	10.32	0.30	6.37	1.35	3.11	2.88	2.76	638.91	638.88	641.79	641.63
LAT A1-04	A1-04	PB-A1-03	2	n/a	0.012	1.32	24.96	4.91	0.90	3.99	0.32	0.46	1.70	1.74	638.74	638.70	640.44	640.44
LAT A1-05	A1-05	PB-A1-04	2	n/a	0.012	7.90	37.37	6.47	2.01	8.94	0.65	2.94	1.60	1.60	638.89	638.76	640.49	640.35
LAT A1-05	PB-A1-04	PB-A1-05	2	n/a	0.012	7.90	37.28	15.00	2.00	8.94	0.65	2.59	1.60	1.86	638.76	638.46	640.35	640.32
LAT A1-06	A1-06	PB-A1-06	2	n/a	0.012	2.63	36.34	7.89	1.90	6.39	0.38	0.96	1.49	1.63	638.70	638.55	640.19	640.18
LAT A1-06	PB-A1-06	PB-A1-07	2	n/a	0.012	2.63	26.36	15.00	1.00	5.08	0.44	0.89	1.63	1.77	638.55	638.40	640.18	640.17
LAT A1-07	A1-07	PB-A1-08	2	n/a	0.012	1.29	26.34	4.91	1.00	4.13	0.31	0.44	1.70	1.75	638.11	638.06	639.81	639.81
LAT A1-08	A1-08	PB-A1-09	2	n/a	0.012	1.41	37.25	8.61	2.00	5.40	0.28	0.57	1.30	1.46	638.47	638.29	639.76	639.76
LAT A1-08	PB-A1-09	PB-A1-10	2	n/a	0.012	1.41	37.28	15.00	2.00	5.41	0.28	0.48	1.46	1.76	638.29	637.99	639.76	639.76
LAT A1-09	A1-09	PB-A1-11	2	n/a	0.012	1.35	24.10	4.91	0.84	3.93	0.33	0.45	1.80	1.84	637.62	637.58	639.43	639.42
LAT A1-10	A1-10	PB-A1-12	2	n/a	0.012	1.37	26.35	4.90	1.00	4.21	0.32	0.44	1.98	2.00	637.14	637.09	639.12	639.12
LAT A1-11	A1-11	PB-A1-13	2	n/a	0.012	1.31	26.35	4.91	1.00	4.16	0.31	0.42	2.00	2.00	636.65	636.60	638.70	638.69
LINE B1	B1-01A	PB-B1-01A	2	n/a	0.012	13.10	18.64	10.00	0.50	6.11	1.29	4.43	2.00	1.78	643.09	643.04	645.15	644.82
LINE B1	PB-B1-01A	PB-B1-01B	2	n/a	0.012	13.10	20.42	23.33	0.60	6.54	1.22	4.47	1.78	1.76	643.04	642.90	644.82	644.66
LINE B1	PB-B1-01B	PB-B1-01	2	n/a	0.012	13.10	17.56	7.67	0.44	5.81	1.35	4.77	1.76	1.64	642.90	642.87	644.66	644.50
LINE B1	PB-B1-01	MH-B1-01	2	n/a	0.012	14.26	17.69	150.33	0.45	5.90	1.44	5.10	1.64	1.67	642.87	642.19	644.50	643.85
LINE B1	MH-B1-01	PB-B1-02	2	3	0.012	19.37	29.55	49.67	0.20	4.54	1.42	3.85	1.70	1.68	642.15	642.05	643.85	643.73
LINE B1	PB-B1-02	PB-B1-03	2	3	0.012	20.32	29.60	103.01	0.20	4.56	1.48	4.00	1.68	1.69	642.05	641.85	643.73	643.54
LINE B1	PB-B1-03	PB-B1-04	2	3	0.012	22.46	29.57	42.58	0.20	4.65	1.61	4.74	1.69	1.58	641.85	641.76	643.54	643.34
LINE B1	PB-B1-04	MH-B1-02	2	3	0.012	23.92	29.44	23.24	0.20	4.77	1.67	6.35	1.58	1.25	641.76	641.71	643.34	642.97
LINE B1	MH-B1-02	PB-B1-05	2	5	0.012	23.92	58.77	58.17	0.20	4.55	1.05	4.10	1.16	1.17	641.70	641.58	642.86	642.75
LINE B1	PB-B1-05	PB-B1-06	2	5	0.012	25.09	58.59	268.51	0.20	4.63	1.08	4.26	1.17	1.18	641.58	641.04	642.75	642.22
LINE B1	PB-B1-06	OUTLET B1	2	5	0.012	25.09	58.60	30.00	0.20	4.63	1.08	5.45	1.18	0.92	641.04	640.98	642.22	641.91
LAT B1-01	B1-01	PB-B1-01	2	n/a	0.012	1.45	26.27	4.33	0.99	4.26	0.33	0.53	1.60	1.64	642.91	642.87	644.51	644.50
LAT B1-02A	B1-02A	PB-B1-02A	2	n/a	0.012	5.98	52.73	15.00	4.00	10.57	0.47	8.12	1.24	0.57	644.98	644.38	646.23	644.95
LAT B1-02A	PB-B1-02A	MH-B1-01	2	n/a	0.012	5.98	52.73	9.50	4.00	10.57	0.47	7.80	1.29	0.59	644.38	644.00	645.67	644.59
LAT B1-02	B1-02	PB-B1-02	1.5	n/a	0.012	1.31	12.20	4.33	0.99	4.29	0.34	0.76	1.39	1.43	642.34	642.30	643.74	643.73
LAT B5-01	B5-01	B6-01	1.5	n/a	0.012	1.41	7.12	32.55	0.34	2.96	0.47	0.82	1.32	1.42	642.36	642.25	643.68	643.66
LAT B5-01	B6-01	PB-B1-04A	1.5	n/a	0.012	2.92	6.92	5.00	0.32	3.58	0.70	1.73	1.42	1.36	642.24	642.22	643.66	643.58
LAT B5-01	PB-B1-04A	PB-B1-03	1.5	n/a	0.012	2.92	6.94	52.33	0.32	3.58	0.70	1.65	1.36	1.49	642.22	642.05	643.58	643.54
LAT B1-03	B1-03	PB-B1-04	1.5	n/a	0.012	1.95	8.72	4.33	0.51	3.78	0.50	1.18	1.33	1.33	642.03	642.01	643.36	643.34
LAT B1-04	B1-04	PB-B1-05	1.5	n/a	0.012	1.77	12.20	4.33	0.99	4.66	0.40	1.56	0.91	0.92	641.87	641.83	642.79	642.75
LINE B2	B2-02	PB-B2-01	2	n/a	0.012	4.37	26.36	8.00	1.00	5.89	0.57	1.78	1.43	1.46	641.86	641.78	643.29	643.24
LINE B2	PB-B2-01	PB-B2-02	2	n/a	0.012	4.37	26.33	13.44	1.00	5.89	0.57	1.65	1.46	1.57	641.78	641.65	643.24	643.22
LINE B2	PB-B2-02	PB-B2-03	2	n/a	0.012	4.37	10.19	12.05	0.15	3.01	0.94	1.70	1.57	1.53	641.65	641.63	643.22	643.15
LINE B2	PB-B2-03	PB-B2-04	2	n/a	0.012	6.99	10.21	130.62	0.15	3.26	1.29	3.02	1.53	1.38	641.63	641.43	643.15	642.81
LINE B2	PB-B2-04	MH-B2-01	2	n/a	0.012	8.52	10.26	15.33	0.15	3.45	1.47	5.16	1.38	1.04	641.43	641.41	643.15	642.45
LINE B2	MH-B2-01	PB-B2-05	2	3	0.012	8.52	25.62	248.39	0.15	3.28	0.87	2.71	0.95	1.05	641.40	641.03	642.35	642.08
LINE B2	PB-B2-05	OUTLET B2	2	3	0.012	8.52	25.63	30.00	0.15	3.28	0.87	4.50	1.05	0.63	641.03	640.98	642.08	641.61
LAT B2-01	B2-01	PB-B2-03	2	n/a	0.012	2.67	10.60	4.33	0.16	2.70	0.70	1.04	1.54	1.53	641.63	641.63	643.17	643.15
LAT B2-03	B2-03	PB-B2-04	2	n/a	0.012	1.76	26.27	4.33	0.99	4.53	0.36	0.76	1.35	1.38	641.48	641.43	642.82	642.81
LINE B3	B3-01	PB-B3-01	2	n/a	0.012	1.64	26.57	4.33	1.02	4.47	0.35	3.96	0.60	0.38	643.33	643.28	643.93	643.66
LINE B3	PB-B3-01	PB-B3-02	2	n/a	0.012	1.64	18.64	230.00	0.50	3.48	0.41	3.48	0.54	0.41	643.28	642.13	643.83	642.55
LINE B3	PB-B3-02	MH-B3-01	2	n/a	0.012	2.87	18.74	15.83	0.51	4.09	0.55	2.11	0.97	0.89	642.13	642.05	643.10	642.95
LINE B3	MH-B3-01	PB-B3-03	2	n/a	0.012	2.87	12.92	140.76	0.24	3.17	0.66	1.43	0.91	1.22	642.03	641.70	642.95	642.91
LINE B3	PB-B3-03	MH-B3-02	2	n/a	0.012	4.79	12.95	134.74	0.24	3.60	0.88	2.85	1.22	1.06	641.70	641.37	642.91	642.43
LINE B3	MH-B3-02	PB-B3-04	2	n/a	0.012	4.79	13.28	49.67	0.25	3.68	0.87	2.54	1.07	1.16	641.36	641.23	642.43	642.39
LINE B3	PB-B3-04	PB-B3-05	2	n/a	0.012	5.73	12.93	175.00	0.24	3.80	0.97	2.74	1.16	1.26	641.23	640.81	642.39	642.07
LINE B3	PB-B3-05	OUTLET B3	2	n/a	0.012	5.73	15.78	12.00	0.36	4.40	0.87	4.53	1.26	0.85	640.81	640.77	642.07	641.62
LAT B3-02	B3-02	PB-B3-02	2	n/a	0.012	1.36	26.57	4.33	1.02	4.21	0.32	0.90	0.94	0.97	642.18	642.13	643.12	643.10
LAT B3-03	B3-03	PB-B3-03	2	n/a	0.012	2.17	13.29	4.33	0.25	2.92	0.57	1.08	1.23	1.22	641.71	641.70	642.93	642.91
LAT B3-05	B3-05	PB-B3-04	2	n/a	0.012	1.20	26.27	4.33	0.99	4.02	0.30	0.64	1.12	1.16	641.28	641.23	642.40	642.39
LINE B4	B4-01	PB-B4-01	2	n/a	0.012	2.70	12.02	4.33	0.21	2.90	0.67	2.00	0.95	0.89	641.63	641.63	642.58	642.52
LINE B4	PB-B4-01	PB-B4-02	2	n/a	0.012	2.70	11.79	150.62	0.20	2.90	0.67	1.54	0.89	1.09	641.63	641.33	642.52	642.42
LINE B4	PB-B4-02	MH-B4-01	2	n/a	0.012	4.14	11.85	15.83	0.20	3.25	0.85	3.13	1.09	0.88	641.33	641.29	642.42	642.17
LINE B4	MH-B4-01	PB-B4-03	2	n/a	0.012	4.14	12.05	183.21	0.21	3.25	0.85	2.39	0.88	1.08	641.28	640.90	642.17	641.98
LINE B4	PB-B4-03	PB-B4-04	2	n/a	0.012	4.14	15.63	24.75	0.35	3.97	0.73	2.75	1.08	0.97	640.90	640.82	641.98	641.78
LINE B4	PB-B4-04	OUTLET B4	2	n/a	0.012	4.44	15.60	30.00	0.35	4.03	0.76	4.20	0.97	0.74	640.82	640.71	641.78	641.45

NO.	REVISION	BY	DATE
 TEXAS REGISTERED ENGINEERING FIRM, F-1741			
©2023 Texas Department of Transportation FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET) FM 2551 (MURPHY ROAD)			
STORM SEWER COMPUTATIONS			
Designed: CPY	FED. RD. DIST. NO. 6	STATE TEXAS	PROJECT NO. SEE TITLE SHEET
Checked: CPY	CONTROL NO. 2056	COUNTY COLLIN	JOB NO. 01 042
Drawn: CPY	SECTION NO. 01		SHEET NO. 261
Checked: CPY	DALLAS		

ADDENDUM 1.
3/22/23.
REVISED SHEET
SHEET 2 OF 9


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STORM SEWER GEOPAK DRAINAGE COMPUTATIONS

LINE	UPSTREAM NODE	DOWNSTREAM NODE	RISE	SPAN	N VALUE	DISCHARGE	CAPACITY	LENGTH	SLOPE	UNIFORM VELOCITY	UNIFORM DEPTH	ACTUAL VELOCITY	ACTUAL DEPTH UPSTREAM	ACTUAL DEPTH DOWN-STREAM	INVERT UPSTREAM	INVERT DOWN-STREAM	HGL UPSTREAM	HGL DOWN-STREAM
ID	ID	ID	FT	FT		CFS	CFS	FT	%	FT/S	FT	FT/S	FT	FT	FT	FT	FT	FT
LINE E	MH-E1-11	MH-E2-01	3	5	0.012	44.33	133.38	326.82	0.35	6.70	1.32	2.96	2.45	3.00	623.75	622.61	626.21	626.04
LINE E	MH-E2-01	PB-E2-01	3	5	0.012	71.30	159.68	43.45	0.50	8.66	1.65	8.52	3.00	1.67	622.58	622.36	626.04	624.04
LINE E	PB-E2-01	MH-E2-02	3	5	0.012	72.82	159.44	178.55	0.50	8.72	1.67	8.72	1.98	1.67	622.36	621.47	624.34	623.14
LINE E	MH-E2-02	PB-E2-02	3	5	0.012	81.53	159.91	23.45	0.50	9.01	1.81	8.74	2.51	1.87	621.43	621.31	623.94	623.18
LINE E	PB-E2-02	PB-E2-03	3	5	0.012	82.71	159.41	180.00	0.50	9.02	1.83	9.02	2.10	1.83	621.31	620.41	623.42	622.25
LINE E	PB-E2-03	PB-E2-04	3	5	0.012	83.19	159.42	225.19	0.50	9.08	1.83	5.55	3.00	3.00	620.41	619.29	623.43	622.90
LINE E	PB-E2-04	MH-E2-04	3	5	0.012	83.20	159.64	18.55	0.50	9.08	1.83	5.55	3.00	3.00	619.29	619.19	622.90	622.85
LINE E	MH-E2-04	PB-E2-05B	3	5	0.012	99.73	123.57	112.50	0.30	7.96	2.51	6.65	3.00	3.00	619.01	618.67	622.85	622.01
LINE E	PB-E2-05B	PB-E2-06	3	5	0.012	101.21	123.59	25.95	0.30	7.93	2.55	6.75	3.00	3.00	618.67	618.59	622.01	621.89
LINE E	PB-E2-06	PB-E2-07	3	5	0.012	101.90	123.48	250.00	0.30	7.84	2.60	6.79	3.00	3.00	618.59	617.84	621.89	621.05
LINE E	PB-E2-07	MH-E2-05	3	5	0.012	102.96	123.53	145.55	0.30	7.92	2.60	6.86	3.00	3.00	617.84	617.40	621.05	620.51
LINE E	MH-E2-05	PB-E2-08	3	7	0.012	132.99	193.65	96.45	0.30	8.35	2.27	8.04	3.00	2.36	617.38	617.09	620.51	619.45
LINE E	PB-E2-08	MH-E2-06	3	7	0.012	133.32	193.50	174.55	0.30	8.38	2.27	6.81	2.36	2.80	617.09	616.57	619.45	619.36
LINE E	MH-E2-06	PB-E2-09	3	7	0.012	144.43	193.63	62.87	0.30	8.55	2.41	8.49	2.82	2.43	616.54	616.35	619.36	618.78
LINE E	PB-E2-09	PB-E2-10	3	7	0.012	144.89	193.43	175.00	0.30	8.58	2.41	8.47	2.43	2.44	616.35	615.83	618.78	618.27
LINE E	PB-E2-10	PB-E2-11	3	7	0.012	145.58	193.65	189.58	0.30	8.62	2.41	8.49	2.44	2.45	615.83	615.26	618.27	617.71
LINE E	PB-E2-11	PB-E2-12	3	7	0.012	146.31	193.74	38.55	0.30	8.66	2.41	8.54	2.45	2.45	615.26	615.14	617.71	617.59
LINE E	PB-E2-12	PB-E2-14	3	7	0.012	147.02	193.55	181.45	0.30	8.70	2.41	8.04	2.45	2.61	615.14	614.60	617.59	617.21
LINE E	PB-E2-14	PB-E2-15	3	7	0.012	147.87	193.59	72.55	0.30	8.59	2.46	7.66	2.61	2.76	614.60	614.38	617.21	617.14
LINE E	PB-E2-15	PB-E2-17	3	7	0.012	152.56	193.44	58.66	0.30	8.70	2.51	7.82	2.76	2.79	614.38	614.20	617.14	616.99
LINE E	PB-E2-17	MH-E2-08	3	7	0.012	158.74	193.95	46.75	0.30	8.88	2.55	9.00	2.79	2.52	614.20	614.06	616.99	616.58
LINE E	MH-E2-08	PB-E2-19	3	10	0.012	175.30	247.74	57.64	0.30	7.71	2.27	7.45	2.33	2.35	614.04	613.86	616.36	616.22
LINE E	PB-E2-19	PB-E2-20	3	10	0.012	175.60	246.95	13.33	0.30	7.57	2.32	7.45	2.35	2.36	613.86	613.82	616.22	616.18
LINE E	PB-E2-20	PB-E2-22	3	10	0.012	177.72	246.97	232.99	0.30	7.66	2.32	7.72	2.36	2.30	613.82	613.12	616.18	615.43
LINE E	PB-E2-22	OUTLET E	3	10	0.012	177.72	247.30	107.71	0.30	7.66	2.32	8.30	2.30	2.14	613.12	612.80	615.43	614.94
LAT E1-02	E1-02	MH-E1-01	2	n/a	0.012	1.89	15.68	13.00	0.35	3.22	0.48	1.09	1.06	1.08	638.50	638.45	639.55	639.53
LAT E1-03	E1-03	PB-E1-01A	2	n/a	0.012	1.42	26.34	4.91	1.00	4.25	0.33	0.82	1.04	1.08	638.35	638.30	639.39	639.38
LAT E1-04	E1-04	PB-E1-02	2	n/a	0.012	1.52	26.34	4.91	1.00	4.33	0.34	0.82	1.10	1.14	637.49	637.44	638.59	638.58
LAT E1-05	E1-05	PB-E1-02A	2	n/a	0.012	1.49	26.34	4.91	1.00	4.30	0.33	0.76	1.16	1.20	636.77	636.72	637.93	637.92
LAT E1-06	E1-06	PB-E1-03	2	n/a	0.012	1.72	26.34	4.91	1.00	4.49	0.36	0.78	1.28	1.32	636.15	636.10	637.43	637.42
LAT E1-07	E1-07	PB-E1-04	2	n/a	0.012	1.56	18.82	4.91	0.51	3.45	0.40	0.69	1.34	1.36	635.46	635.44	636.81	636.80
LAT E1-08	E1-08	PB-E1-05	2	n/a	0.012	1.51	26.34	4.91	1.00	4.31	0.34	0.63	1.38	1.42	634.85	634.80	636.22	636.22
LAT E1-09	E1-09	PB-E1-06	2	n/a	0.012	1.50	26.34	4.91	1.00	4.32	0.34	0.60	1.44	1.48	634.21	634.16	635.65	635.64
LAT E1-10	E1-10	PB-E1-07	2	n/a	0.012	1.53	26.61	4.91	1.02	4.37	0.34	0.59	1.51	1.55	633.57	633.52	635.08	635.07
LAT E1-11	E1-11	PB-E1-08	2	n/a	0.012	1.54	26.34	4.91	1.00	4.35	0.34	0.59	1.50	1.54	632.82	632.77	634.32	634.31
LAT E1-12	E1-12	PB-E1-09	2	n/a	0.012	1.38	26.34	4.91	1.00	4.21	0.32	0.52	1.54	1.59	632.07	632.02	633.61	633.61
LAT E1-13	E1-13	PB-E1-10	2	n/a	0.012	1.36	26.34	4.91	1.00	4.20	0.32	1.02	0.84	0.88	630.95	630.90	631.80	631.78
LAT E1-14	E1-14	PB-E1-10A	2	n/a	0.012	1.32	26.34	4.91	1.00	4.16	0.32	0.93	0.89	0.93	630.37	630.32	631.26	631.25
LAT E1-15	E1-15	PB-E1-11	2	n/a	0.012	1.50	26.34	4.91	1.00	4.31	0.34	1.00	0.93	0.96	629.87	629.82	630.80	630.78
LAT E1-16	E1-16	MH-E1-09	2	n/a	0.012	23.69	26.36	5.00	1.00	8.88	1.58	7.54	2.00	2.00	628.06	628.01	631.64	630.45
LAT E1-17	E1-17	PB-E1-12	2	n/a	0.012	1.87	15.97	4.91	0.37	3.23	0.48	0.66	1.68	1.69	626.71	626.69	628.39	628.38
LAT E1-18	E1-18	PB-E1-13	2	n/a	0.012	1.89	15.97	4.91	0.37	3.22	0.48	0.63	1.80	1.81	625.81	625.79	627.60	627.60
LAT E1-19	E1-19	PB-E1-14	2	n/a	0.012	1.79	15.97	4.91	0.37	3.20	0.47	0.57	2.00	2.00	625.05	625.03	627.14	627.14
LAT E1-20	E1-20	PB-E1-15	2	n/a	0.012	1.73	15.97	4.91	0.37	3.15	0.46	0.55	2.00	2.00	624.66	624.65	626.79	626.78
LAT E1-21	E1-21	PB-E1-16	2	n/a	0.012	1.73	26.34	4.91	1.00	4.49	0.36	0.55	2.00	2.00	624.48	624.43	626.49	626.49
LAT E2-01	E2-01	MH-E2-01	2	n/a	0.012	30.21	16.67	5.00	0.40	9.86	2.00	9.62	2.00	2.00	623.62	623.60	628.62	626.04
LAT E2-02	E2-02	PB-E2-01	2	n/a	0.012	2.39	26.34	4.91	1.00	4.96	0.42	0.96	1.44	1.48	622.91	622.86	624.36	624.34
LAT E2-03	E2-03	MH-E2-02	2	n/a	0.012	12.38	39.10	5.00	2.20	10.47	0.80	3.97	2.00	1.95	622.10	621.99	624.18	623.94
LAT E2-04	E2-04	PB-E2-02	2	n/a	0.012	1.84	26.34	4.91	1.00	4.59	0.37	0.68	1.56	1.60	621.86	621.81	623.42	623.42
LAT E2-05	E2-05	PB-E2-03	2	n/a	0.012	1.70	26.34	4.91	1.00	4.48	0.36	0.54	2.00	2.00	620.96	620.91	623.44	623.43
LAT E2-06	E2-06	PB-E2-04	2	n/a	0.012	1.26	26.34	4.91	1.00	4.10	0.31	0.40	2.00	2.00	619.84	619.79	622.90	622.90
LAT E2-08	E2-08	MH-E2-04	3	n/a	0.012	20.91	46.10	29.00	0.35	6.05	1.47	2.96	3.00	3.00	619.11	619.01	623.02	622.85
LAT E2-09	E2-09	PB-E2-05A	2	n/a	0.012	3.06	26.36	5.00	1.00	5.34	0.48	0.97	2.00	2.00	619.37	619.32	622.03	622.02
LAT E2-09	PB-E2-05A	PB-E2-05B	2	n/a	0.012	3.06	26.41	14.85	1.00	5.34	0.48	0.97	2.00	2.00	619.32	619.17	622.02	622.01
LAT E2-10	E2-10	PB-E2-06	2	n/a	0.012	1.21	26.61	4.91	1.02	4.08	0.30	0.38	2.00	2.00	619.14	619.09	621.89	621.89
LAT E2-11	E2-11	PB-E2-07	2	n/a	0.012	1.56	18.82	4.91	0.51	3.45	0.40	0.50	2.00	2.00	618.37	618.34	621.05	621.05


Δ ADDENDUM 1.
 3/22/23
 REVISED SHEET

SHEET 5 OF 9



Kristen L. Perry

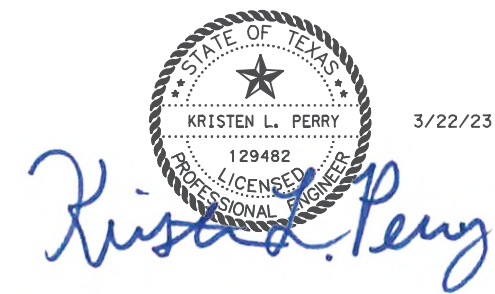
3/22/23

NO.	REVISION	BY	DATE
 TEXAS REGISTERED ENGINEERING FIRM, F-1741 ©2023 Texas Department of Transportation FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET) FM 2551 (MURPHY ROAD) STORM SEWER COMPUTATIONS			
Designed: CPY	FED. RD. DIST. NO. 6	STATE TEXAS	PROJECT NO. SEE TITLE SHEET
Checked: CPY	DIST. COUNTY	CONTROL NO. 2056	SECTION NO. 01
Drawn: CPY	JOB NO. 042	SHEET NO. 264	

3/22/2023 2:41:47 PM kperry pw:/Active Projects/COLC1201.00/8.00 Plans and Drawings/8.3.06 Drainage/1201DRcomp13.dgn

STORM SEWER GEOPAK DRAINAGE COMPUTATIONS

LINE	UPSTREAM NODE	DOWNSTREAM NODE	RISE	SPAN	N VALUE	DISCHARGE	CAPACITY	LENGTH	SLOPE	UNIFORM VELOCITY	UNIFORM DEPTH	ACTUAL VELOCITY	ACTUAL DEPTH UPSTREAM	ACTUAL DEPTH DOWN-STREAM	INVERT UPSTREAM	INVERT DOWN-STREAM	HGL UPSTREAM	HGL DOWN-STREAM
ID	ID	ID	FT	FT		CFS	CFS	FT	%	FT/S	FT	FT/S	FT	FT	FT	FT	FT	FT
LAT E2-12	E2-12	MH-E2-05	2	n/a	0.012	34.77	26.36	4.00	1.00	11.36	2.00	11.07	2.00	2.00	617.93	617.89	624.15	620.51
LAT E2-13	E2-13	PB-E2-08	2	n/a	0.012	1.47	18.82	4.91	0.51	3.37	0.39	0.48	1.84	1.86	617.61	617.59	619.46	619.45
LAT E2-14	E2-14	MH-E2-06	2	n/a	0.012	15.05	14.44	4.00	0.30	4.92	2.00	4.79	2.00	2.00	617.13	617.12	619.76	619.36
LAT E2-15	E2-15	PB-E2-09	1.5	n/a	0.012	1.37	14.93	4.91	1.49	4.99	0.32	0.78	1.50	1.50	616.92	616.85	618.79	618.78
LAT E2-16	E2-16	PB-E2-10	1.5	n/a	0.012	1.06	21.19	4.91	3.00	5.93	0.24	0.60	1.50	1.50	616.47	616.33	618.28	618.27
LAT E2-17	E2-17	PB-E2-11	1.5	n/a	0.012	1.12	21.19	4.91	3.00	6.03	0.24	0.63	1.50	1.50	615.90	615.76	617.71	617.71
LAT E2-19	E2-19	PB-E2-14	1.5	n/a	0.012	1.32	21.19	4.91	3.00	6.34	0.26	0.75	1.50	1.50	615.19	615.05	617.22	617.21
LAT E2-20	E2-20	PB-E2-16	2	n/a	0.012	8.05	58.95	10.00	5.00	12.47	0.52	8.43	1.49	0.69	616.06	615.56	617.55	616.25
LAT E2-20	PB-E2-16	PB-E2-15	2	n/a	0.012	8.05	47.24	21.21	3.21	10.64	0.58	2.56	1.61	2.00	615.56	614.88	617.17	617.14
LAT E2-21	E2-21	PB-E2-18	2	n/a	0.012	8.36	55.30	5.00	4.40	12.04	0.55	3.11	1.53	1.60	615.68	615.46	617.21	617.06
LAT E2-21	PB-E2-18	PB-E2-17	2	n/a	0.012	8.36	55.11	17.32	4.37	12.01	0.55	2.66	1.60	2.00	615.46	614.70	617.06	616.99
LAT E2-22	E2-22	MH-E2-08	2	n/a	0.012	19.24	26.03	2.15	0.97	8.53	1.35	6.42	2.00	1.82	614.57	614.55	617.40	616.36
LAT E2-23	E2-23	PB-E2-19A	1.5	n/a	0.012	1.32	12.24	8.00	1.00	4.29	0.35	0.75	1.50	1.50	614.48	614.40	616.23	616.22
LAT E2-23	PB-E2-19A	PB-E2-19	1.5	n/a	0.012	1.32	12.24	14.89	1.00	4.29	0.35	0.75	1.50	1.50	614.40	614.25	616.22	616.22
LAT E2-24	E2-24	PB-E2-21	2	n/a	0.012	2.87	68.24	5.00	6.70	10.21	0.29	6.63	0.80	0.39	616.38	616.05	617.19	616.44
LAT E2-24	PB-E2-21	PB-E2-20	2	n/a	0.012	2.87	68.54	25.55	6.76	10.24	0.29	9.35	0.69	0.31	616.05	614.32	616.74	614.63
LINE E3	E3-01	PB-E3-01	2	5	0.012	65.02	585.97	30.00	5.00	14.53	0.45	11.65	1.85	0.56	614.34	612.84	616.20	613.40
LINE E3	PB-E3-01	PB-E3-02	2	5	0.012	65.02	128.62	41.93	0.24	5.25	1.24	4.49	1.71	1.45	612.84	612.74	614.55	614.19
LINE E3	PB-E3-02	OUTLET E3	2	5	0.012	71.26	128.47	157.26	0.24	5.48	1.30	6.12	1.45	1.16	612.74	612.36	614.19	613.53
LAT E3-02	E3-02	E3-03	1.5	n/a	0.012	6.94	14.64	11.75	0.36	3.87	0.76	2.19	1.30	1.26	613.26	613.22	614.57	614.48
LAT E3-02	E3-03	PB-E3-02	1.5	n/a	0.012	8.39	14.71	61.53	0.36	4.08	0.85	2.78	1.27	1.20	613.21	612.99	614.48	614.19
LINE F1	F1-01	PB-F1-01	2	n/a	0.012	1.94	26.57	4.33	1.02	4.68	0.38	4.13	0.66	0.41	611.66	611.62	612.32	612.03
LINE F1	PB-F1-01	MH-F1-01	2	n/a	0.012	1.94	18.65	161.52	0.50	3.65	0.45	3.65	0.60	0.45	611.62	610.81	612.21	611.26
LINE F1	MH-F1-01	PB-F1-02	2	n/a	0.012	1.94	18.61	52.79	0.50	3.65	0.45	0.82	1.14	1.40	610.79	610.53	611.93	611.93
LINE F1	PB-F1-02	PB-F1-03	2	n/a	0.012	4.51	18.65	100.54	0.50	4.63	0.70	4.63	1.40	0.70	610.53	610.02	611.93	610.72
LINE F1	PB-F1-03	OUTLET F1	2	n/a	0.012	4.51	18.19	15.54	0.48	4.57	0.70	4.53	1.11	0.71	610.02	609.95	611.14	610.66
LAT F1-02	F1-02	PB-F1-02	2	n/a	0.012	2.76	26.25	4.34	0.99	5.14	0.45	1.17	1.38	1.40	610.57	610.53	611.95	611.93
LINE F2	F2-01	PB-F2-01	2	n/a	0.012	1.95	23.70	4.33	0.81	4.32	0.40	2.46	0.66	0.60	619.49	619.45	620.15	620.05
LINE F2	PB-F2-01	MH-F2-01	2	n/a	0.012	1.95	23.58	255.83	0.80	4.32	0.40	4.32	0.60	0.40	619.45	617.40	620.05	617.81
LINE F2	MH-F2-01	PB-F2-02	2	n/a	0.012	1.95	25.02	60.17	0.90	4.49	0.39	1.02	0.56	1.17	617.37	616.83	617.92	618.00
LINE F2	PB-F2-02	MH-F2-02	2	n/a	0.012	3.80	25.01	185.83	0.90	5.47	0.55	5.47	1.17	0.55	616.83	615.15	618.00	615.70
LINE F2	MH-F2-02	PB-F2-03	2	n/a	0.012	3.80	18.65	40.17	0.50	4.41	0.64	2.16	0.88	1.09	615.13	614.93	616.01	616.02
LINE F2	PB-F2-03	MH-F2-03	2	n/a	0.012	5.05	18.65	195.83	0.50	4.77	0.74	4.77	1.09	0.74	614.93	613.95	616.02	614.69
LINE F2	MH-F2-03	PB-F2-04	2	n/a	0.012	5.05	18.66	20.17	0.50	4.77	0.74	2.59	1.09	1.19	613.93	613.83	615.01	615.02
LINE F2	PB-F2-04	PB-F2-05	2	n/a	0.012	6.11	18.64	220.56	0.50	5.03	0.82	1.95	1.19	2.00	613.83	612.72	615.02	614.82
LINE F2	PB-F2-05	MH-F2-04	2	n/a	0.012	10.87	18.66	6.19	0.50	5.85	1.14	5.79	2.00	1.15	612.72	612.69	614.82	613.85
LINE F2	MH-F2-04	PB-F2-06	2	n/a	0.012	10.87	18.65	196.91	0.50	5.85	1.14	5.85	1.22	1.14	612.67	611.69	613.89	612.83
LINE F2	PB-F2-06	MH-F2-05	2	n/a	0.012	11.75	18.65	68.32	0.50	5.95	1.20	5.95	1.40	1.20	611.69	611.34	613.09	612.55
LINE F2	MH-F2-05	PB-F2-07	2	n/a	0.012	11.75	18.65	145.14	0.50	5.95	1.20	5.95	1.27	1.20	611.32	610.60	612.59	611.80
LINE F2	PB-F2-07	PB-F2-08	2	n/a	0.012	12.62	18.64	114.85	0.50	6.05	1.26	4.02	1.73	2.00	610.60	610.02	612.33	612.03
LINE F2	PB-F2-08	OUTLET F2	2	n/a	0.012	12.62	18.19	15.54	0.48	5.89	1.29	5.96	2.00	1.28	610.02	609.95	612.03	611.23
LAT F2-02	F2-02	PB-F2-02	2	n/a	0.012	2.04	26.57	4.33	1.02	4.75	0.39	1.07	1.15	1.17	616.87	616.83	618.02	618.00
LAT F2-03	F2-03	PB-F2-03	2	n/a	0.012	1.45	26.57	4.33	1.02	4.29	0.33	0.83	1.06	1.09	614.97	614.93	616.03	616.02
LAT F2-04	F2-04	PB-F2-04	2	n/a	0.012	1.34	26.57	4.33	1.02	4.20	0.32	0.69	1.15	1.19	613.87	613.83	615.02	615.02
LAT F2-05	F2-05	F2-06	2	n/a	0.012	4.25	18.68	11.75	0.50	4.56	0.67	1.35	2.00	2.00	612.82	612.76	614.92	614.89
LAT F2-05	F2-06	PB-F2-05	2	n/a	0.012	5.58	18.79	4.33	0.51	4.94	0.78	1.77	2.00	2.00	612.74	612.72	614.89	614.82
LAT F2-07	F2-07	PB-F2-06	2	n/a	0.012	1.27	26.26	4.33	0.99	4.12	0.31	0.54	1.36	1.40	611.73	611.69	613.09	613.09
LAT F2-08	F2-08	PB-F2-07	2	n/a	0.012	1.31	26.26	4.33	0.99	4.13	0.32	0.45	1.69	1.73	610.64	610.60	612.33	612.33
LINE F3	F3-01	PB-F3-01	2	n/a	0.012	5.65	18.64	6.00	0.50	4.94	0.78	3.41	1.20	1.04	612.42	612.39	613.62	613.43
LINE F3	PB-F3-01	PB-F3-02	2	n/a	0.012	5.65	18.66	41.33	0.50	4.94	0.78	4.92	1.04	0.79	612.39	612.18	613.43	612.97
LINE F3	PB-F3-02	PB-F3-03	2	n/a	0.012	5.65	18.65	92.08	0.50	4.94	0.78	4.93	1.01	0.79	612.18	611.72	613.19	612.51
LINE F3	PB-F3-03	MH-F3-01	2	n/a	0.012	6.82	18.64	73.00	0.50	5.18	0.87	5.18	1.18	0.87	611.72	611.36	612.90	612.23
LINE F3	MH-F3-01	PB-F3-04	2	n/a	0.012	6.82	18.64	135.97	0.50	5.18	0.87	5.18	0.95	0.87	611.34	610.65	612.29	611.53
LINE F3	PB-F3-04	PB-F3-05	2	n/a	0.012	9.29	18.64	85.61	0.50	5.62	1.04	5.61	1.56	1.04	610.65	610.23	612.22	611.27
LINE F3	PB-F3-05	OUTLET F3	2	n/a	0.012	9.29	18.71	19.65	0.50	5.62	1.04	5.60	1.26	1.04	610.23	610.13	611.48	611.17
LAT F3-02	F3-02	PB-F3-03	2	n/a	0.012	1.31	18.80	4.33	0.51	3.26	0.37	0.68	1.16	1.18	611.74	611.72	612.91	612.90
LAT F3-03	F3-03	PB-F3-04	2	n/a	0.012	2.76	26.58	4.33	1.02	5.21	0.45	1.05	1.54	1.56	610.70	610.65	612.24	612.22



3/22/23

NO.	REVISION	BY	DATE

TEXAS REGISTERED ENGINEERING FIRM, F-1741

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FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
FM 2551 (MURPHY ROAD)

STORM SEWER COMPUTATIONS

Designed: CPY	FED. RD. DIST. NO.	STATE	PROJECT NO.	HIGHWAY NO.
Checked: CPY	6	TEXAS	SEE TITLE SHEET	FM 2551
Drawn: CPY	DIST.	COUNTY	CONTROL NO.	SECTION NO.
Checked: CPY	DALLAS	COLLIN	2056	01

				SHEET NO.
				265

ADDENDUM 1.
3/22/23.
REVISED SHEET

SHEET 6 OF 9

3/22/2023 2:36:39 PM kperry pw:/Active Projects/COLC1201.00/8.00 Plans and Drawings/8.30 Cut Sheets/8.30.06 Drainage/1201DRcomp15.dgn

STORM SEWER GEOPAK DRAINAGE COMPUTATIONS

Table with columns: LINE ID, UPSTREAM NODE ID, DOWNSTREAM NODE ID, RISE FT, SPAN FT, N VALUE, DISCHARGE CFS, CAPACITY CFS, LENGTH FT, SLOPE %, UNIFORM VELOCITY FT/S, UNIFORM DEPTH FT, ACTUAL VELOCITY FT/S, ACTUAL DEPTH UPSTREAM FT, ACTUAL DEPTH DOWN-STREAM FT, INVERT UPSTREAM FT, INVERT DOWN-STREAM FT, HGL UPSTREAM FT, HGL DOWN-STREAM FT. Rows include lines H, J, and LAT with various node IDs and discharge values.



3/22/23

Kristen L. Perry

CP&Y logo and Texas Department of Transportation project information: FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET) FM 2551 (MURPHY ROAD). Includes revision table and sheet identification: SHEET 8 OF 9.

ADDENDUM 1. 3/22/23. REVISED SHEET

3/22/2023 2:39:31 PM kperry pw:/Active Projects/COLC1201.00/8.00 Plans and Drawings/8.30 Cut Sheets/8.3.06 Drainage/1201DRcomp16.dgn

STORM SEWER GEOPAK DRAINAGE COMPUTATIONS


LINE	UPSTREAM NODE	DOWNSTREAM NODE	RISE	SPAN	N VALUE	DISCHARGE	CAPACITY	LENGTH	SLOPE	UNIFORM VELOCITY	UNIFORM DEPTH	ACTUAL VELOCITY	ACTUAL DEPTH UPSTREAM	ACTUAL DEPTH DOWN-STREAM	INVERT UPSTREAM	INVERT DOWN-STREAM	HGL UPSTREAM	HGL DOWN-STREAM
ID	ID	ID	FT	FT		CFS	CFS	FT	%	FT/S	FT	FT/S	FT	FT	FT	FT	FT	FT
LAT H1-11	H1-11	PB-H1-09	2	n/a	0.012	1.37	26.57	4.33	1.02	4.24	0.32	0.47	1.73	1.77	606.73	606.69	608.46	608.46
LAT H1-12	H1-12	MH-H1-08	2	n/a	0.012	0.38	37.28	15.00	2.00	3.64	0.15	0.13	1.54	1.83	606.25	605.95	607.78	607.78
LAT H1-13	H1-13	PB-H1-10	2	n/a	0.012	1.55	18.79	4.33	0.51	3.42	0.40	0.50	1.92	1.94	605.18	605.16	607.11	607.10
LAT H1-14	H1-14	PB-H1-11	2	n/a	0.012	1.66	34.93	4.33	1.76	5.41	0.31	0.53	2.00	2.00	604.35	604.27	607.08	607.07
LAT J1-02	J1-02	PB-J1-02	2	n/a	0.012	1.42	18.79	4.33	0.51	3.34	0.39	0.45	2.00	2.00	615.21	615.19	617.55	617.54
LAT J1-03	J1-03	PB-J1-03	2	n/a	0.012	1.41	26.57	4.33	1.02	4.25	0.32	0.45	2.00	2.00	614.35	614.31	617.50	617.49
LAT J1-04	J1-04	MH-J1-02	2	3	0.012	20.82	93.60	15.00	2.00	10.43	0.67	3.47	2.00	2.00	614.54	614.24	617.67	617.46
LAT J1-05	J1-05	PB-J1-04	2	n/a	0.012	1.69	26.57	4.33	1.02	4.49	0.35	1.06	0.98	1.01	613.29	613.25	614.27	614.25
LAT J1-06	J1-06	PB-J1-05	2	n/a	0.012	1.77	26.57	4.33	1.02	4.57	0.36	1.03	1.05	1.07	612.97	612.93	614.02	614.00
LAT J1-07	J1-07	PB-J1-06	2	n/a	0.012	1.70	27.17	4.33	1.06	4.57	0.35	0.94	1.09	1.12	612.65	612.61	613.74	613.73
LAT J1-08	J1-08	PB-J1-07	2	n/a	0.012	1.73	26.57	4.33	1.02	4.53	0.36	0.90	1.15	1.18	612.33	612.29	613.48	613.46
LAT J1-09	J1-09	PB-J1-08	2	n/a	0.012	1.67	26.57	4.33	1.02	4.48	0.35	0.83	1.18	1.22	612.03	611.99	613.21	613.20
LAT J1-10	J1-10	PB-J1-09	2	n/a	0.012	1.71	26.57	4.33	1.02	4.53	0.36	0.82	1.22	1.26	611.73	611.69	612.95	612.94
LAT J1-11	J1-11	PB-J1-10	2	n/a	0.012	1.63	26.57	4.33	1.02	4.44	0.35	0.78	1.22	1.26	611.45	611.41	612.67	612.66
LAT J1-12	J1-12	PB-J1-11	2	n/a	0.012	1.66	26.57	4.33	1.02	4.48	0.35	0.82	1.19	1.23	611.11	611.07	612.31	612.30
LAT J1-13	J1-13	PB-J1-12	2	n/a	0.012	1.69	26.57	4.33	1.02	4.50	0.35	0.80	1.23	1.27	610.76	610.72	612.00	611.99
LAT J1-14	J1-14	PB-J1-13	2	n/a	0.012	1.72	26.57	4.33	1.02	4.51	0.36	0.79	1.27	1.31	610.41	610.37	611.69	611.68
LAT J1-15	J1-15	PB-J1-14	2	n/a	0.012	1.62	26.57	4.33	1.02	4.45	0.35	0.72	1.31	1.34	610.09	610.04	611.40	611.39
LAT J1-16	J1-16	PB-J1-15	2	n/a	0.012	1.64	26.57	4.33	1.02	4.45	0.35	0.72	1.33	1.37	609.76	609.72	611.10	611.09
LAT J1-17	J1-17	PB-J1-16	2	n/a	0.012	1.67	26.57	4.33	1.02	4.48	0.35	0.71	1.37	1.41	609.44	609.39	610.81	610.80
LAT J1-18	J1-18	PB-J1-17	2	n/a	0.012	1.75	26.57	4.33	1.02	4.54	0.36	0.72	1.41	1.44	608.96	608.92	610.37	610.36
LAT J1-19	J1-19	PB-J1-18	2	n/a	0.012	1.72	26.57	4.33	1.02	4.51	0.36	0.69	1.44	1.48	608.46	608.42	609.90	609.90
LAT J1-20	J1-20	PB-J1-19	2	n/a	0.012	1.65	26.27	4.33	0.99	4.43	0.35	0.66	1.45	1.48	607.38	607.33	608.83	608.82
LAT J1-21	J1-21	PB-J1-20	2	n/a	0.012	2.01	26.27	4.33	0.99	4.69	0.39	0.77	1.52	1.56	606.75	606.70	608.27	608.26
LAT J1-22	J1-22	MH-J1-07	2	n/a	0.012	3.26	26.27	14.00	0.99	5.42	0.49	1.04	2.00	2.00	605.21	605.07	607.31	607.29
LAT J1-23	J1-23	PB-J1-21	2	n/a	0.012	2.52	26.57	4.33	1.02	5.07	0.43	0.80	2.00	2.00	604.75	604.71	607.25	607.24
LAT J1-24	J1-24	PB-J1-22	2	n/a	0.012	1.67	26.27	4.33	0.99	4.44	0.35	0.53	2.00	2.00	604.14	604.10	606.98	606.97



3/22/23

Kristen L. Perry

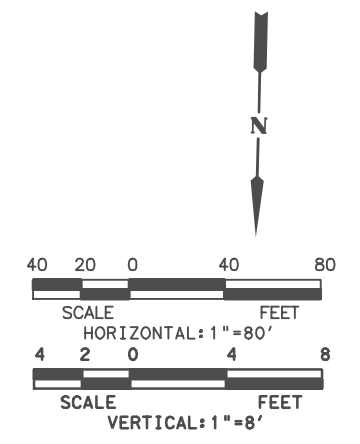
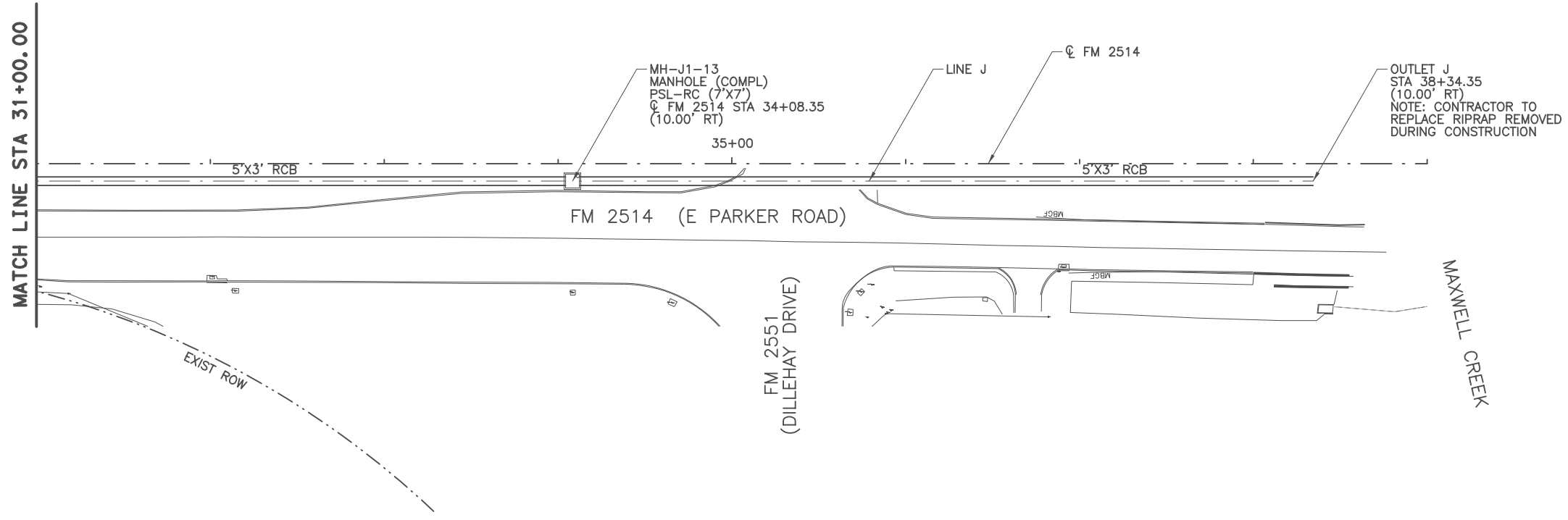
NO.	REVISION	BY	DATE


 TEXAS REGISTERED ENGINEERING FIRM, F-1741
 ©2023 Texas Department of Transportation
 FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
 FM 2551 (MURPHY ROAD)
 STORM SEWER COMPUTATIONS

Designed:	CPY	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
Checked:	CPY	6	TEXAS	SEE TITLE SHEET	FM 2551
Drawn:	CPY	DIST.	COUNTY	CONTROL SECTION NO.	JOB NO.
Checked:	CPY	DALLAS	COLLIN	2056 01	042
					SHEET NO. 268

ADDENDUM 1.
 3/22/23.
 REVISED SHEET
 SHEET 9 OF 9

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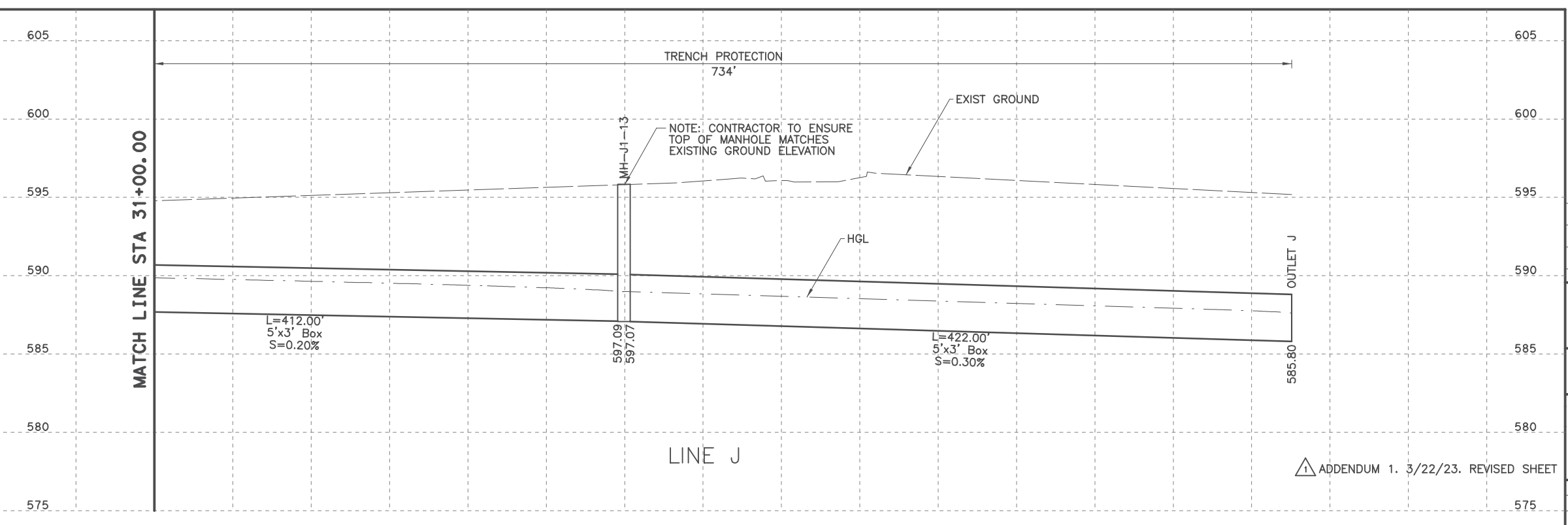


LEGEND

- > EXISTING DITCH
- > PROPOSED DITCH

NOTES:

1. ALL STATIONS AND OFFSETS ARE FROM CL FM2551 UNLESS OTHERWISE SPECIFIED.
2. ALL LOCATIONS FOR CURB INLETS ARE SHOWN TO THE FACE OF CURB.
3. ALL LOCATIONS FOR DITCH INLETS AND MANHOLES ARE SHOWN TO CENTER POINT OF INLET BOX OR MANHOLE STACK, UNLESS NOTED OTHERWISE.
4. REFERENCE ROADWAY PLAN AND PROFILE SHEETS FOR ADDITIONAL INFORMATION.
5. REFERENCE CULVERT SHEETS FOR ADDITIONAL INFORMATION.
6. REFERENCE LATERAL PROFILE SHEETS FOR ADDITIONAL LINE AND LATERAL INFORMATION.
7. GEOPAK DRAINAGE WAS USED FOR STORM SEWER COMPUTATIONS.
8. ALL PIPE SHALL BE CLASS III UNLESS NOTED OTHERWISE.



Professional Engineer Seal for Kristen L. Perry, State of Texas, License No. 129482, dated 3/22/23. Includes a handwritten signature.

NO.	REVISION	BY	DATE



TEXAS REGISTERED ENGINEERING FIRM, F-1741

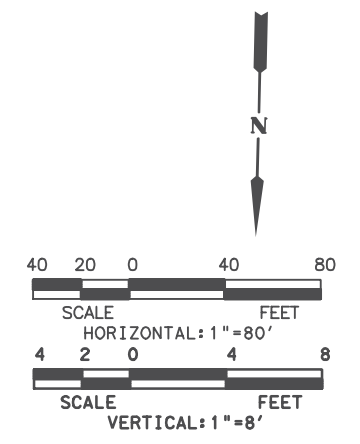
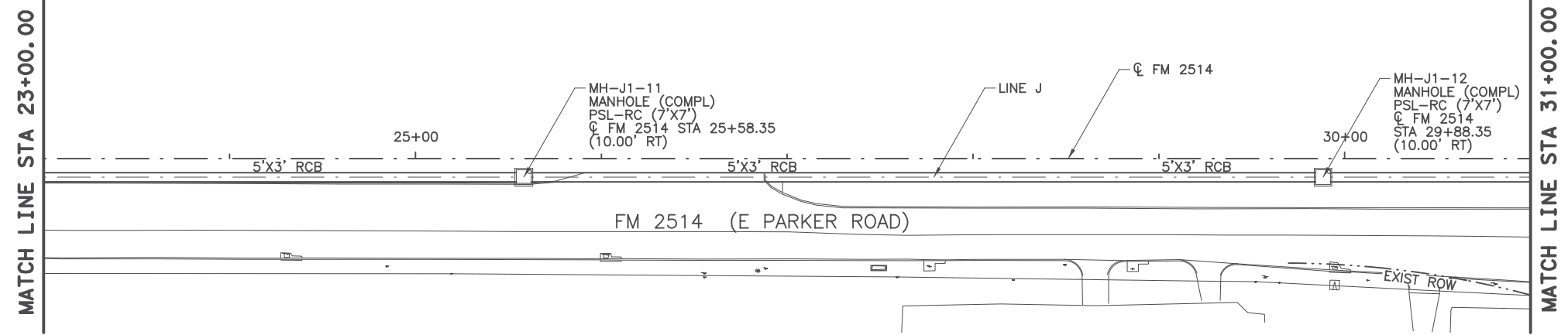
©2023 Texas Department of Transportation
 FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
 FM 2514 (PARKER ROAD)

DRAINAGE PLAN AND PROFILE
 STA 31+00.00 TO END PROJECT

Designed:	CPY	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
Checked:	CPY	6	TEXAS	SEE TITLE SHEET	FM 2551
Drawn:	CPY	DIST.	COUNTY	CONTROL NO.	SECTION NO.
Checked:	CPY	DALLAS	COLLIN	2056	01
				042	269

ADDENDUM 1. 3/22/23. REVISED SHEET

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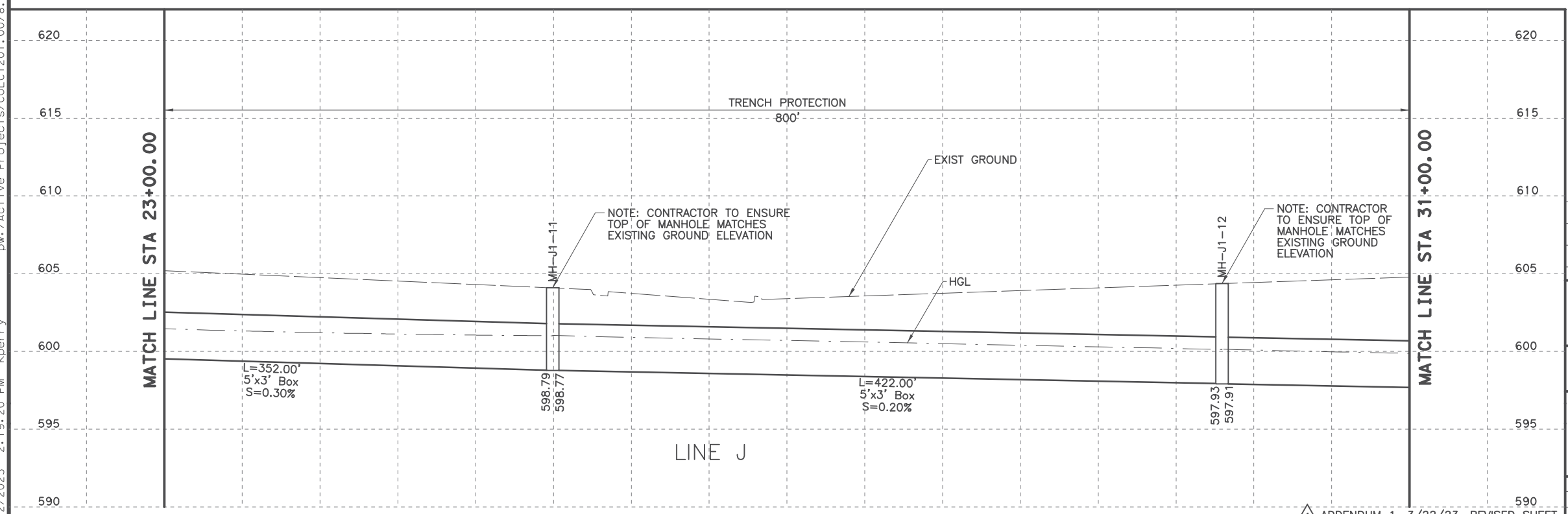


LEGEND

- > EXISTING DITCH
- > PROPOSED DITCH

NOTES:

1. ALL STATIONS AND OFFSETS ARE FROM C FM 2551 UNLESS OTHERWISE SPECIFIED.
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KRISTEN L. PERRY 3/22/23

NO.	REVISION	BY	DATE

TEXAS REGISTERED ENGINEERING FIRM, F-1741

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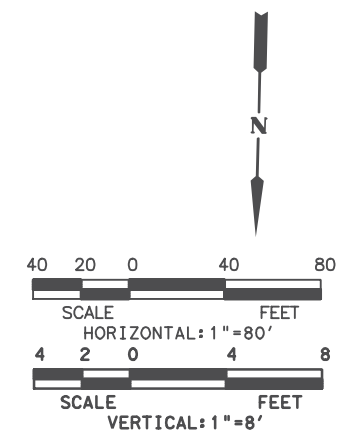
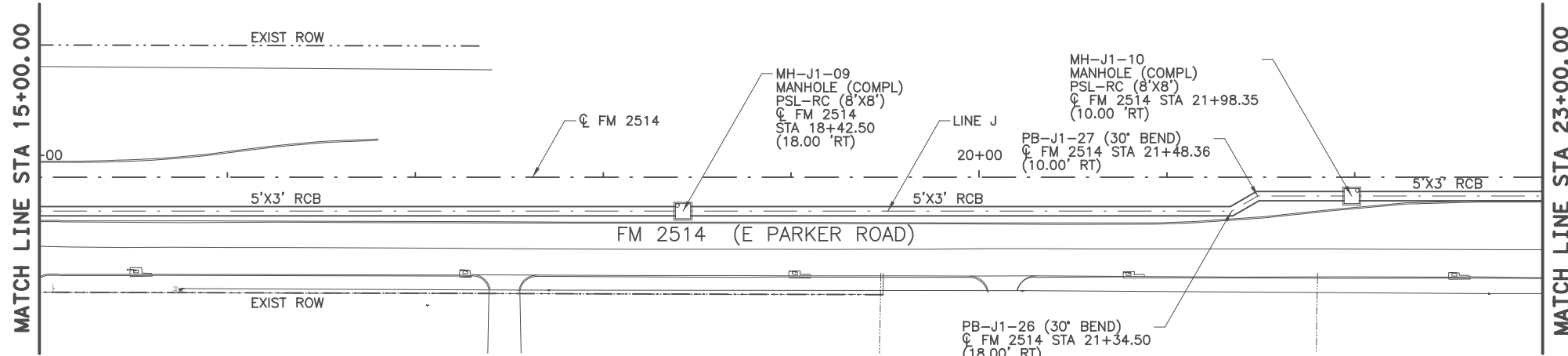
FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
 FM 2514 (PARKER ROAD)

DRAINAGE PLAN AND PROFILE
 STA 23+00.00 TO STA 31+00.00

Designed:	CPY	FED. RD. DIST. NO.	STATE	PROJECT NO.	HIGHWAY NO.
Checked:	CPY	6	TEXAS	SEE TITLE SHEET	FM 2551
Drawn:	CPY	DIST.	COUNTY	CONTROL SECTION NO.	JOB NO.
Checked:	CPY	DALLAS	COLLIN	2056 01	042
					SHEET NO. 270

ADDENDUM 1. 3/22/23. REVISED SHEET
SHEET 2 OF 25

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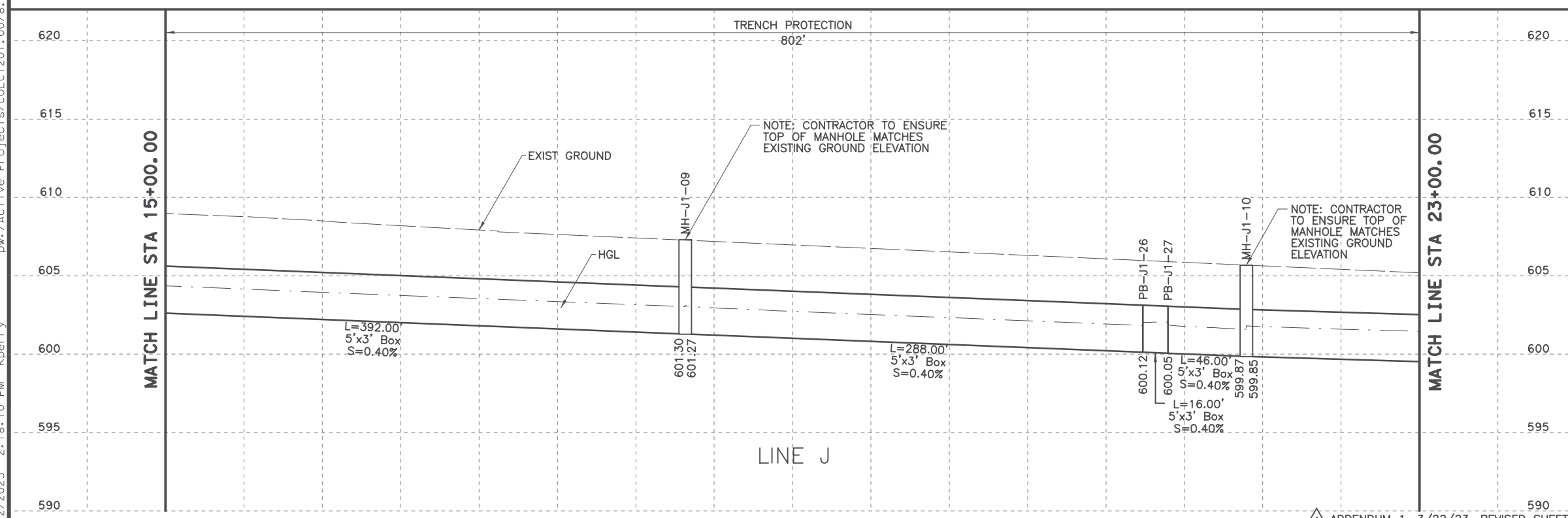


LEGEND

- > EXISTING DITCH
- > PROPOSED DITCH

NOTES:

1. ALL STATIONS AND OFFSETS ARE FROM C FM 2551 UNLESS OTHERWISE SPECIFIED.
2. ALL LOCATIONS FOR CURB INLETS ARE SHOWN TO THE FACE OF CURB.
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NO.	REVISION	BY	DATE

CP&Y
TEXAS REGISTERED ENGINEERING FIRM, F-1741

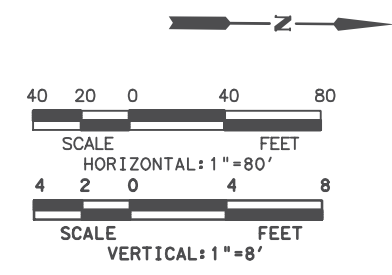
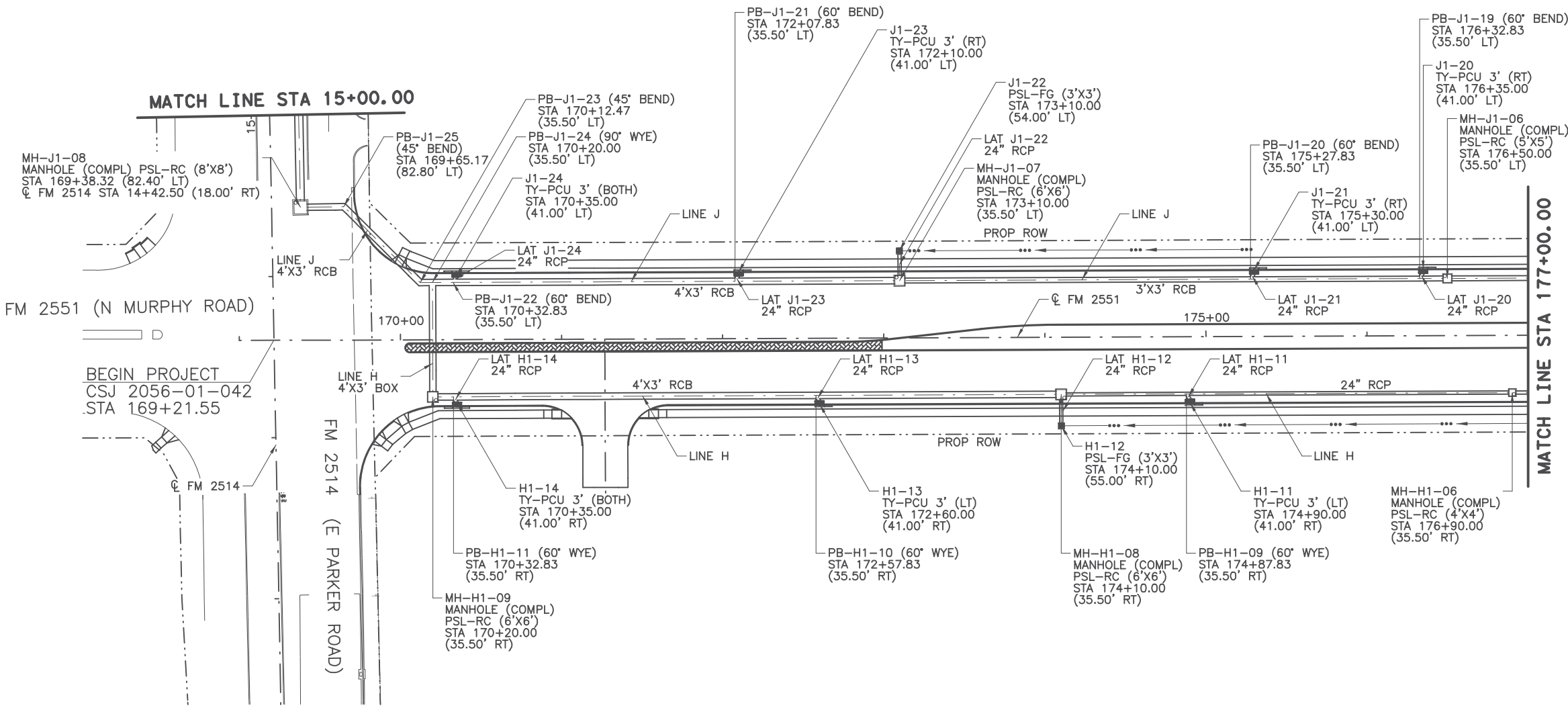
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FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
FM 2514 (PARKER ROAD)

DRAINAGE PLAN AND PROFILE
STA 15+00.00 TO STA 23+00.00

Designed:	CPY	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
Checked:	CPY	6	TEXAS	SEE TITLE SHEET	FM 2551
Drawn:	CPY	DIST.	COUNTY	CONTROL NO.	SECTION NO.
Checked:	CPY	DALLAS	COLLIN	2056	01 042
					271

ADDENDUM 1. 3/22/23. REVISED SHEET
SHEET 3 OF 25

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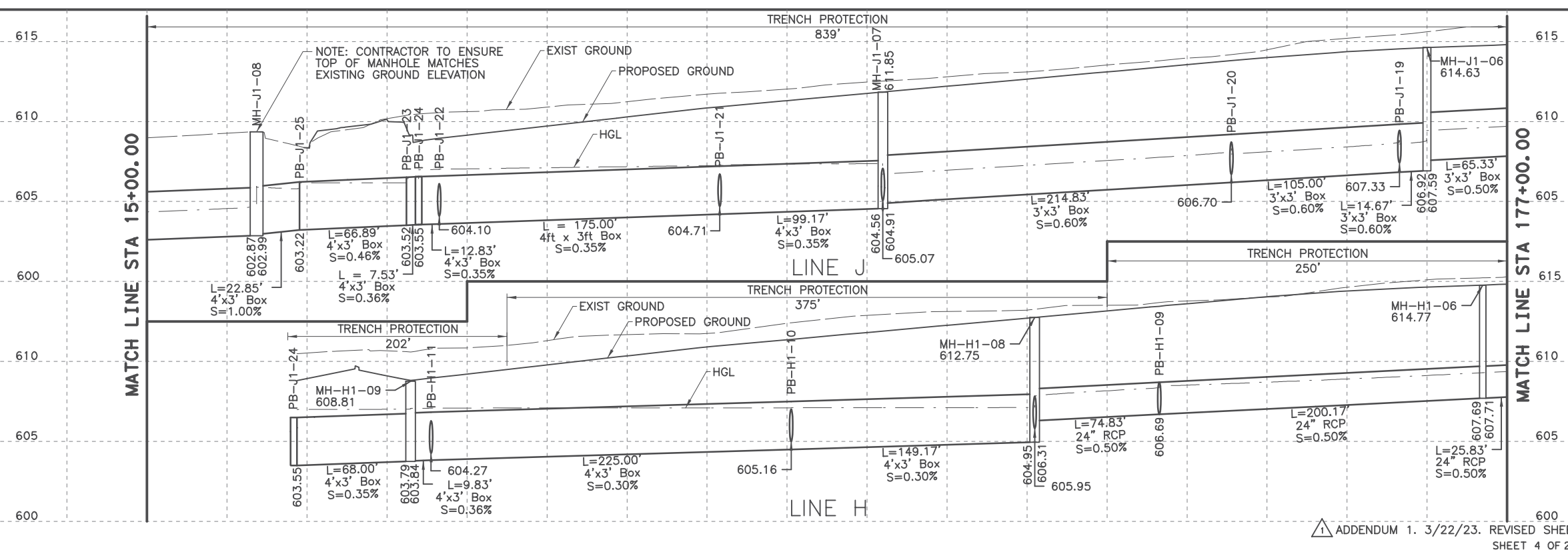


LEGEND

- EXISTING DITCH
PROPOSED DITCH

NOTES:

- 1. ALL STATIONS AND OFFSETS ARE FROM Q FM2551 UNLESS OTHERWISE SPECIFIED.
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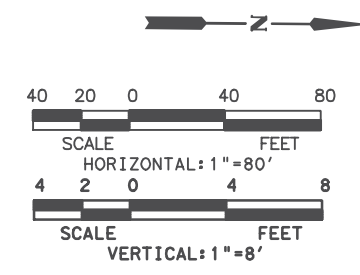
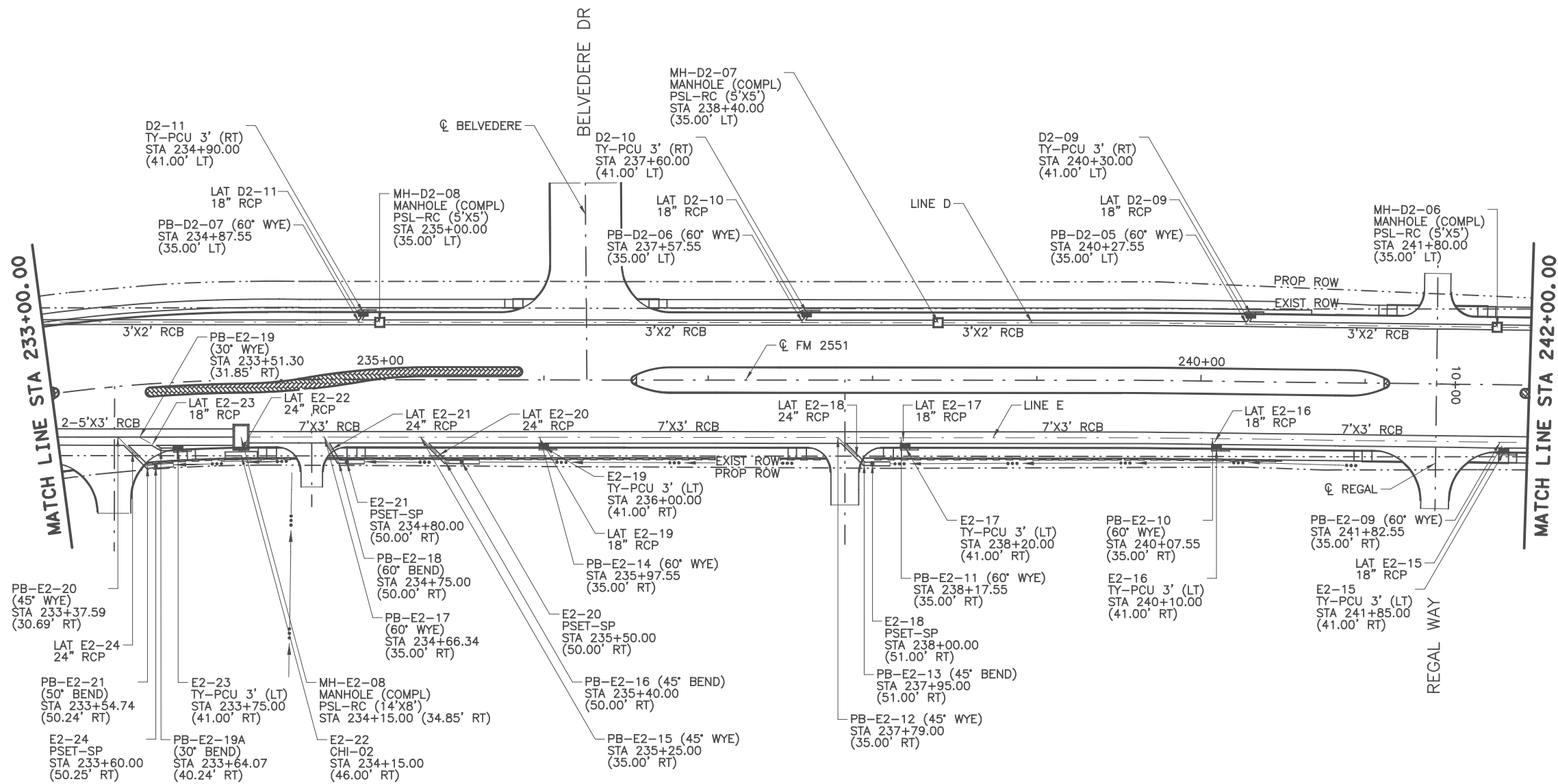


Professional Engineer seal for Kristen L. Perry, State of Texas, License No. 129482, dated 3/22/23.

Table with columns for NO., REVISION, BY, DATE. Includes project information: CP&Y TEXAS REGISTERED ENGINEERING FIRM, F-1741; Texas Department of Transportation; Project: FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET) FM 2551 (MURPHY ROAD); Sheet: DRAINAGE PLAN AND PROFILE BEGIN PROJECT TO STA 177+00.00.

ADDENDUM 1. 3/22/23. REVISED SHEET SHEET 4 OF 25

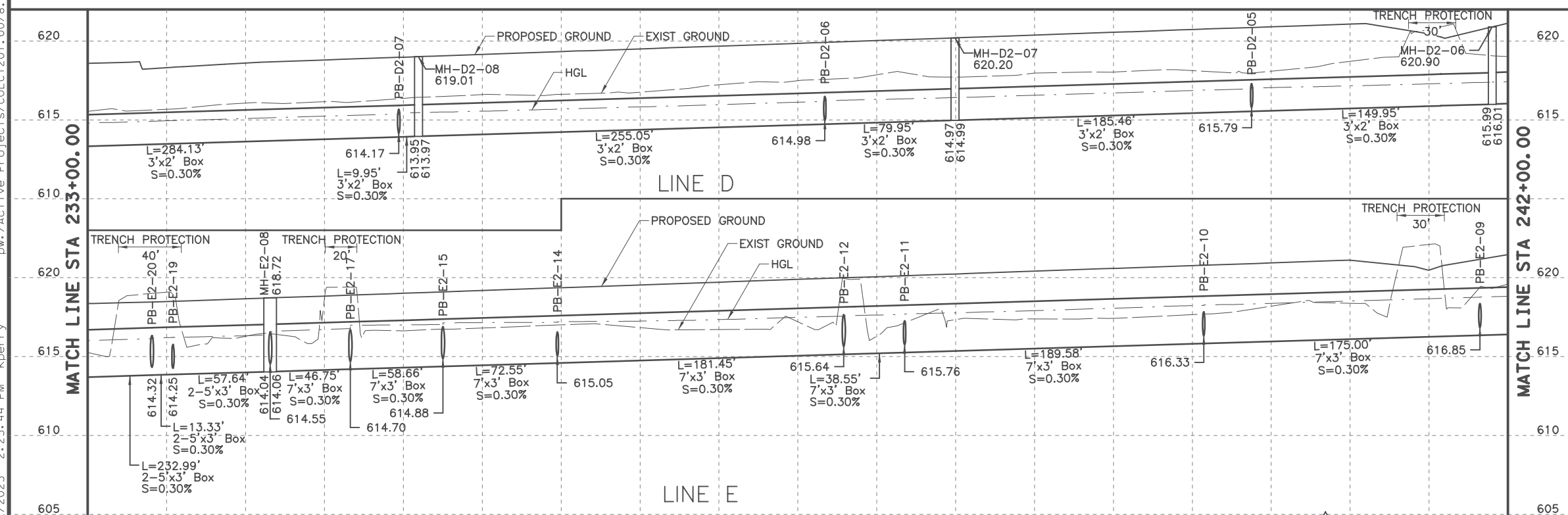
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LEGEND

- EXISTING DITCH
- PROPOSED DITCH

- NOTES:**
- ALL STATIONS AND OFFSETS ARE FROM ϕ FM2551 UNLESS OTHERWISE SPECIFIED.
 - ALL LOCATIONS FOR CURB INLETS ARE SHOWN TO THE FACE OF CURB.
 - ALL LOCATIONS FOR DITCH INLETS AND MANHOLES ARE SHOWN TO CENTER POINT OF INLET BOX OR MANHOLE STACK, UNLESS NOTED OTHERWISE.
 - REFERENCE ROADWAY PLAN AND PROFILE SHEETS FOR ADDITIONAL INFORMATION.
 - REFERENCE CULVERT SHEETS FOR ADDITIONAL INFORMATION.
 - REFERENCE LATERAL PROFILE SHEETS FOR ADDITIONAL LINE AND LATERAL INFORMATION.
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STATE OF TEXAS
 KRISTEN L. PERRY
 129482
 PROFESSIONAL ENGINEER
 3/22/23

NO.	REVISION	BY	DATE

CP&Y
 TEXAS REGISTERED ENGINEERING FIRM, F-1741

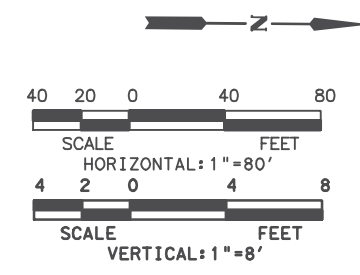
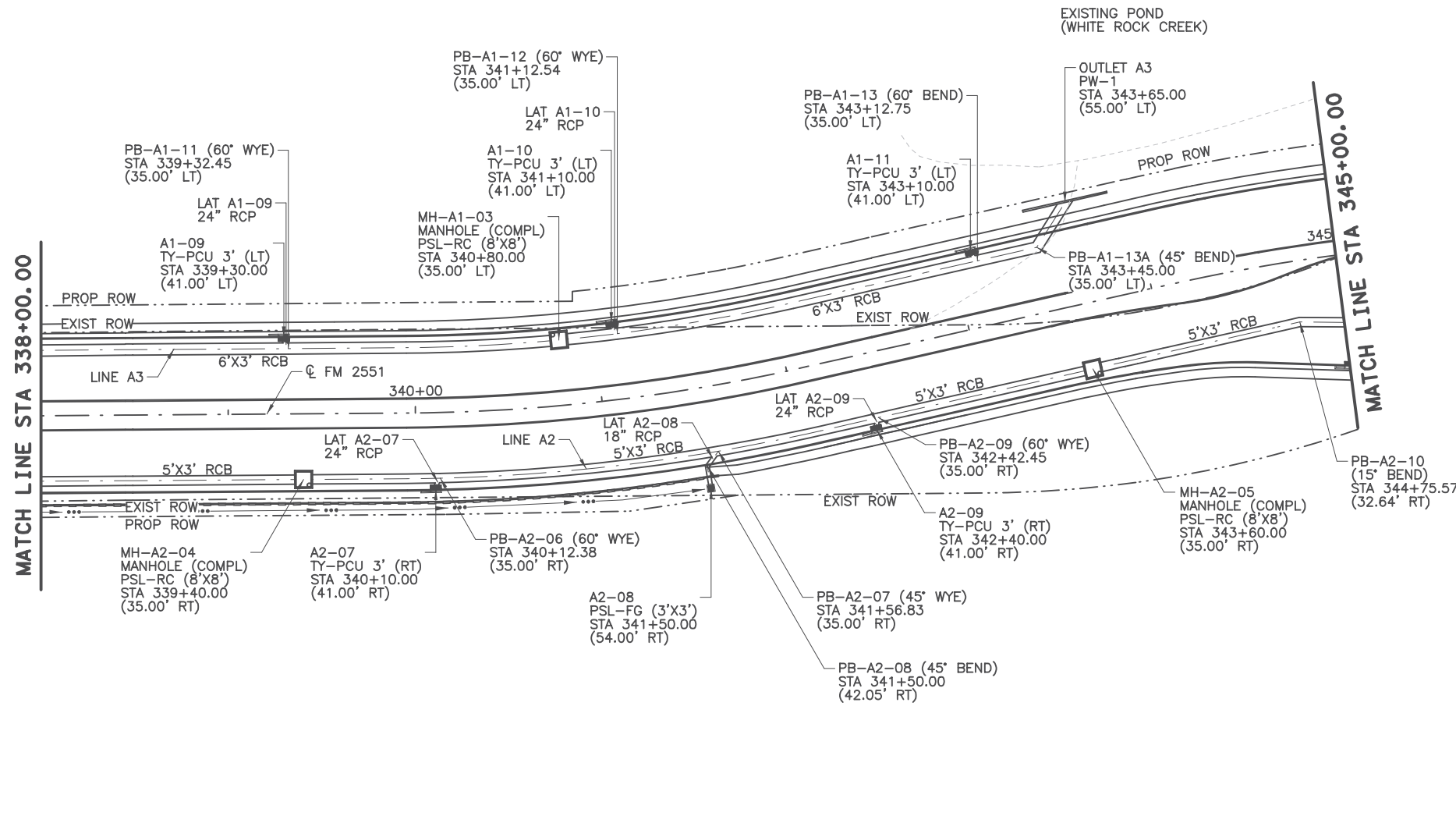
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 FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
 FM 2551 (MURPHY ROAD)

DRAINAGE PLAN AND PROFILE
 STA 233+00.00 TO STA 242+00.00

Designed: CPY	FED. RD. DIST. NO. 6	STATE TEXAS	PROJECT NO. SEE TITLE SHEET	HIGHWAY NO. FM 2551
Checked: CPY	DIST. DALLAS	COUNTY COLLIN	CONTROL NO. 2056	SECTION NO. 01
Drawn: CPY	JOB NO. 042	SHEET NO. 280		

ADDENDUM 1. 3/22/23. REVISED SHEET
 SHEET 12 OF 25

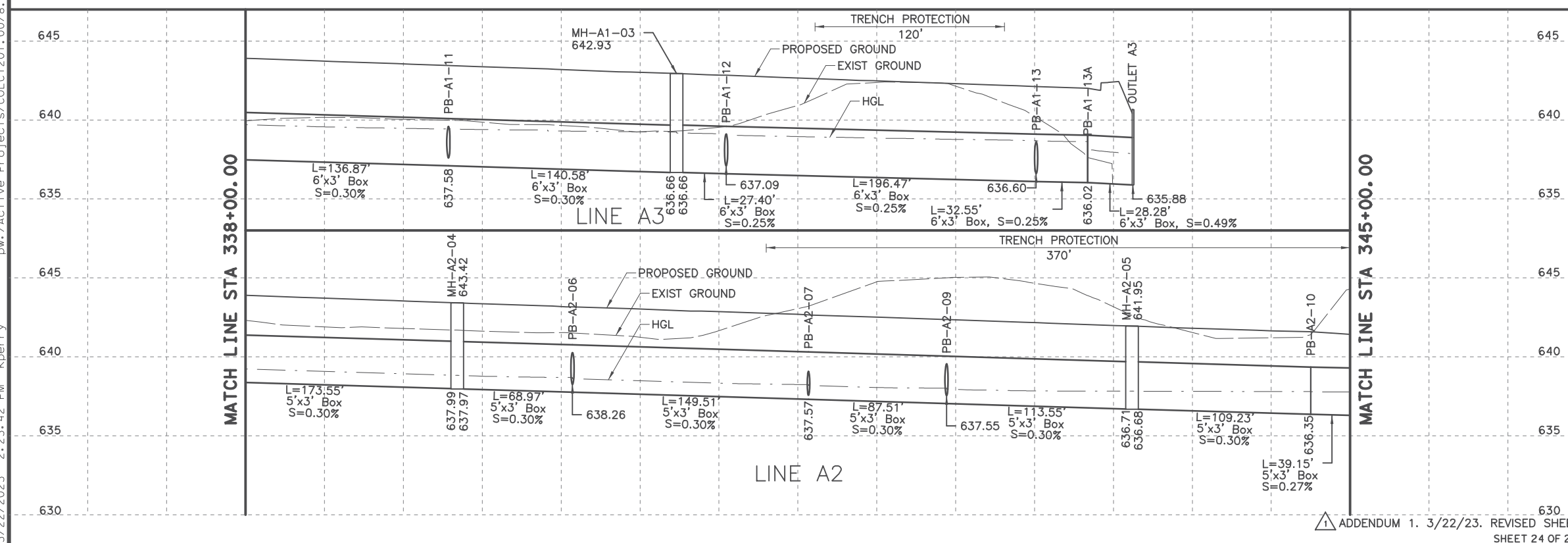
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LEGEND

- EXISTING DITCH
- PROPOSED DITCH

- NOTES:**
1. ALL STATIONS AND OFFSETS ARE FROM ϕ FM2551 UNLESS OTHERWISE SPECIFIED.
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KRISTEN L. PERRY 3/22/23
 129482
 PROFESSIONAL ENGINEER

NO.	REVISION	BY	DATE

TEXAS REGISTERED ENGINEERING FIRM, F-1741

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FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
 FM 2551 (MURPHY ROAD)

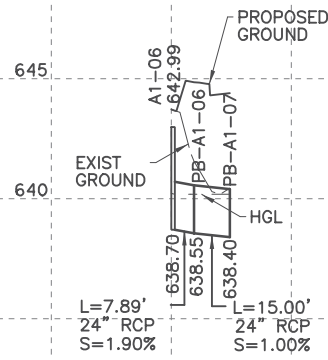
DRAINAGE PLAN AND PROFILE
 STA 338+00.00 TO STA 345+00.00

Designed: CPY	FED. RD. DIST. NO. 6	STATE TEXAS	PROJECT NO. SEE TITLE SHEET	HIGHWAY NO. FM 2551
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Drawn: CPY	JOB NO. 042	SHEET NO. 292		

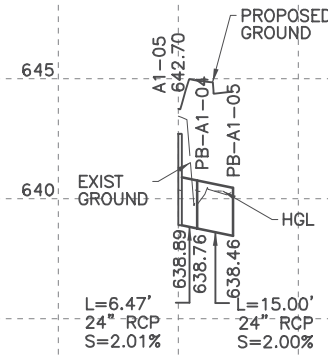
ADDENDUM 1. 3/22/23. REVISED SHEET SHEET 24 OF 25

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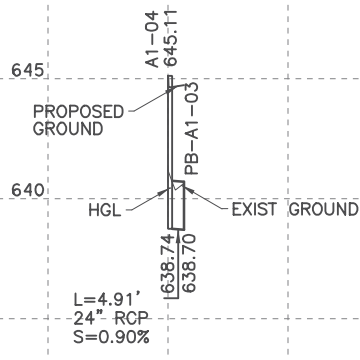
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5'



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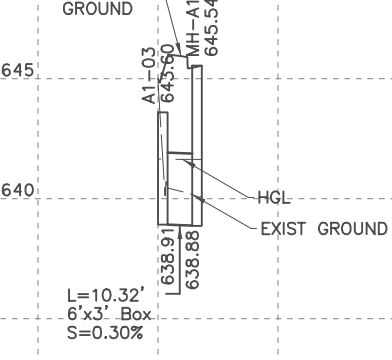


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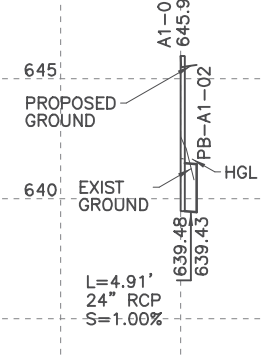


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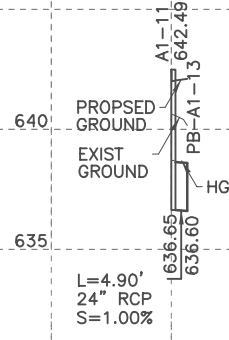
TRENCH PROTECTION
5'



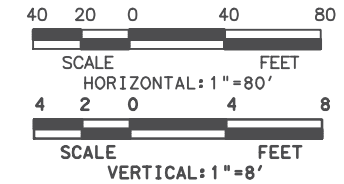
LAT A1-03



LAT A1-02



LAT A1-11



STATE OF TEXAS
KRISTEN L. PERRY
129482
PROFESSIONAL ENGINEER
Kristen L. Perry
3/22/23

NO.	REVISION	BY	DATE



TEXAS REGISTERED ENGINEERING FIRM, F-1741

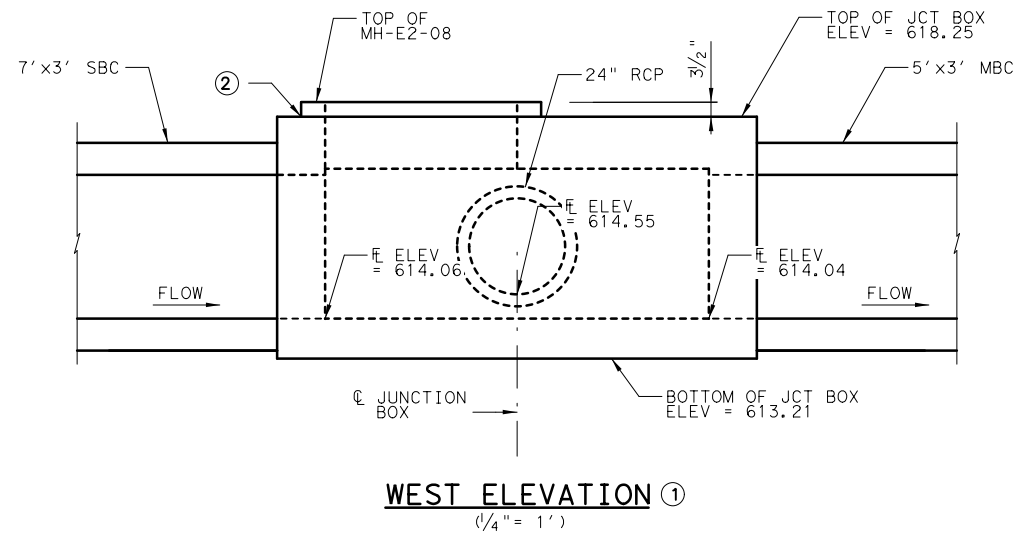
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FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
FM 2551 (MURPHY ROAD)

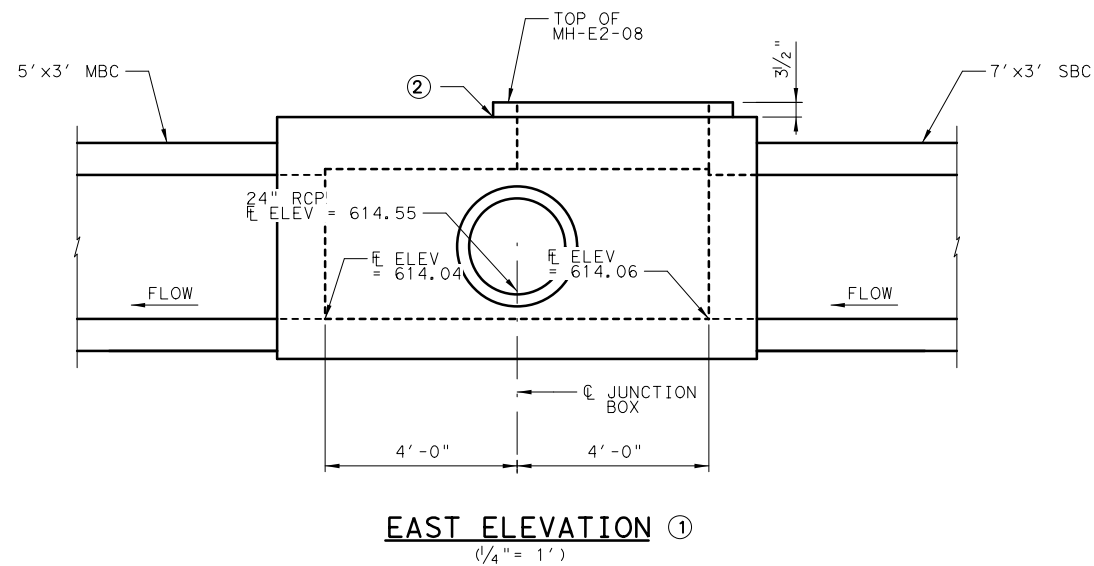
DRAINAGE LATERAL PROFILES

Designed: CPY	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
Checked: CPY	6	TEXAS	SEE TITLE SHEET	FM 2551
Drawn: CPY	DIST.	COUNTY	CONTROL SECTION NO.	JOB SHEET NO.
Checked: CPY	DALLAS	COLLIN	2056 01	042 303

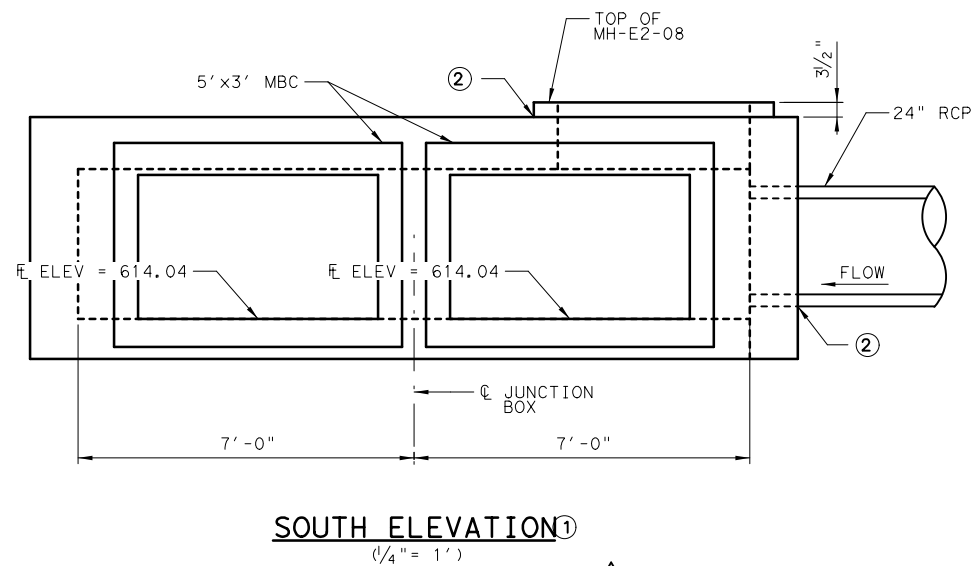
ADDENDUM 1. 3/22/23. REVISED SHEET
SHEET 10 OF 10



WEST ELEVATION ①
(1/4" = 1')



EAST ELEVATION ①
(1/4" = 1')



SOUTH ELEVATION ①
(1/4" = 1')

GENERAL NOTES:

1. DESIGNED ACCORDING TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION (2020).
2. CLASS "S" CONCRETE, $f'c = 4,000$ PSI.
3. ALL REINFORCING SHALL BE GRADE 60.
4. ALL EXPOSED CORNERS TO BE CHAMFERED $3/4"$.
5. REINFORCING BAR DIMENSIONS ARE OUT-TO-OUT OF BAR. COVER DIMENSIONS ARE CLEAR DIMENSIONS.
6. REINFORCING BARS TO BE CUT, BENT OR ADJUSTED AS NECESSARY TO PROVIDE 2" END CLEARANCE TO CONCRETE PIPE OR RISER PENETRATIONS. REINFORCING TO BE ADJUSTED AS NECESSARY TO PROVIDE A MINIMUM OF $1\frac{1}{2}"$ CLEAR COVER.
7. SEE DRAINAGE PLAN AND PROFILE SHEETS FOR ADDITIONAL INFORMATION.
8. PAYMENT FOR JUNCTION BOX TO BE PAID FOR BY THE BID ITEM 420 6143 CLASS "S" CONC (JUNCTION BOX).


① ELEVATION VIEWS ARE ILLUSTRATIVE AND FOR CONTRACTOR'S INFORMATION ONLY. SEE DRAINAGE PLAN AND PROFILE SHEETS FOR COMPLETE DRAINAGE INFORMATION.

② SEE PBGC STANDARD FOR PRECAST RISER AND RCP TO JUNCTION BOX GROUTED CONNECTION DETAILS AND NOTES.



03/22/2023

NO.	REVISION	BY	DATE



TEXAS REGISTERED ENGINEERING FIRM, F-1741

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FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
FM 2551 (MURPHY ROAD)

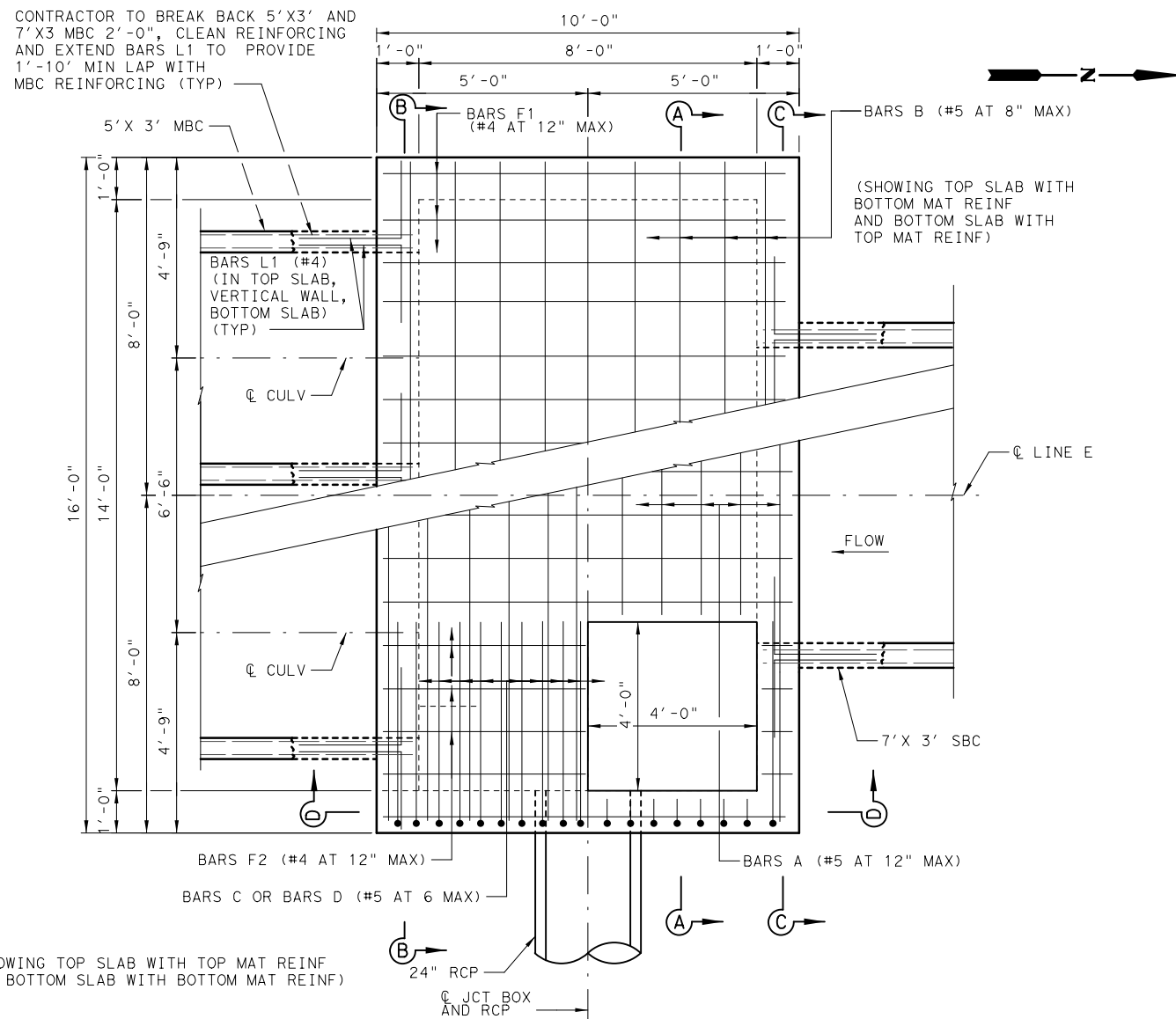
MISC DETAILS JUNCTION BOXES
14'X8' JUNCTION BOX AT STA 234+15.00

Designed:	KH	SECT. NO.:	STATE:	PROJECT NO.:	HIGHWAY NO.:
Checked:	CPY	6	TEXAS	SEE TITLE SHEET	FM 2551
Drawn:	DIST.:	COUNTY:	CONTROL NO.:	SECTION NO.:	JOB NO.:
Checked:	DALLAS	COLLIN	2056	01	042
					SHEET NO.:
					305A

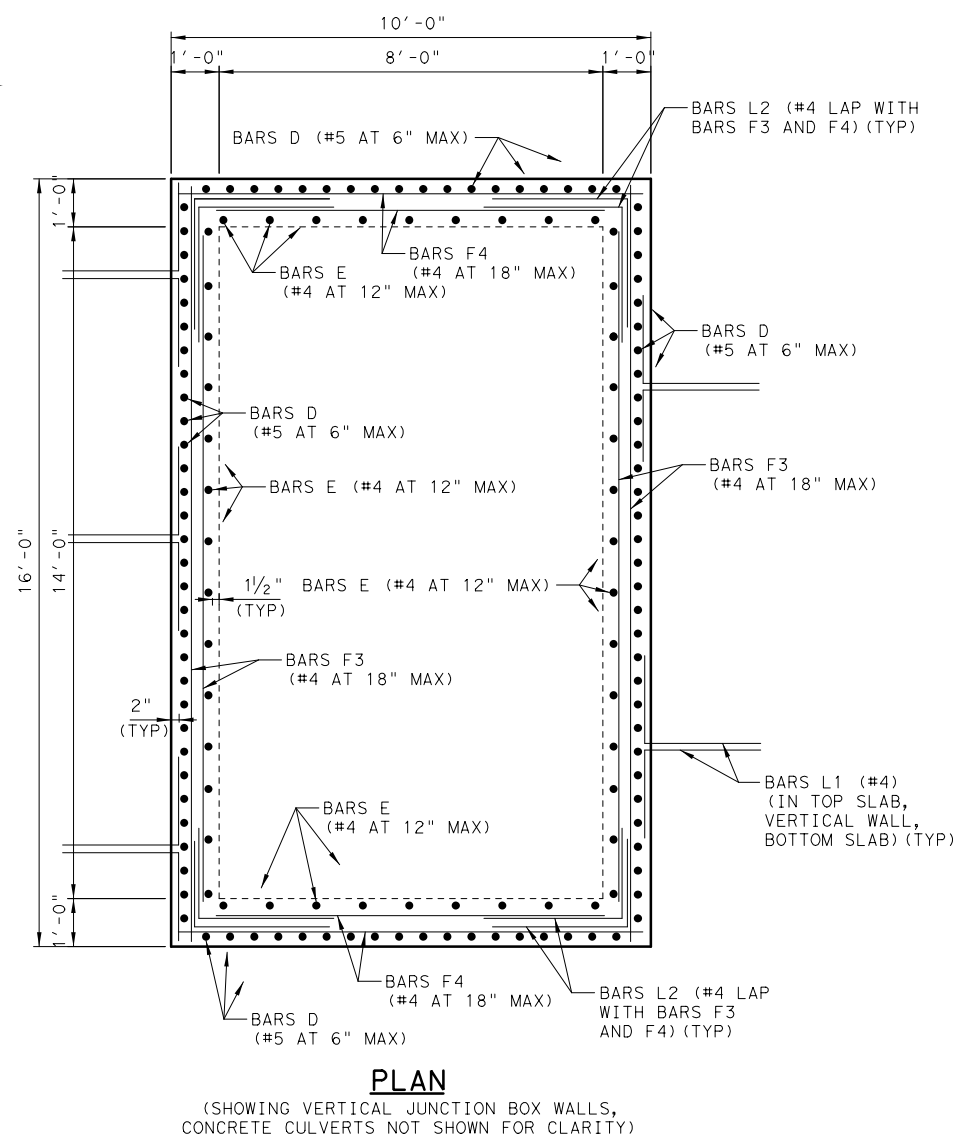
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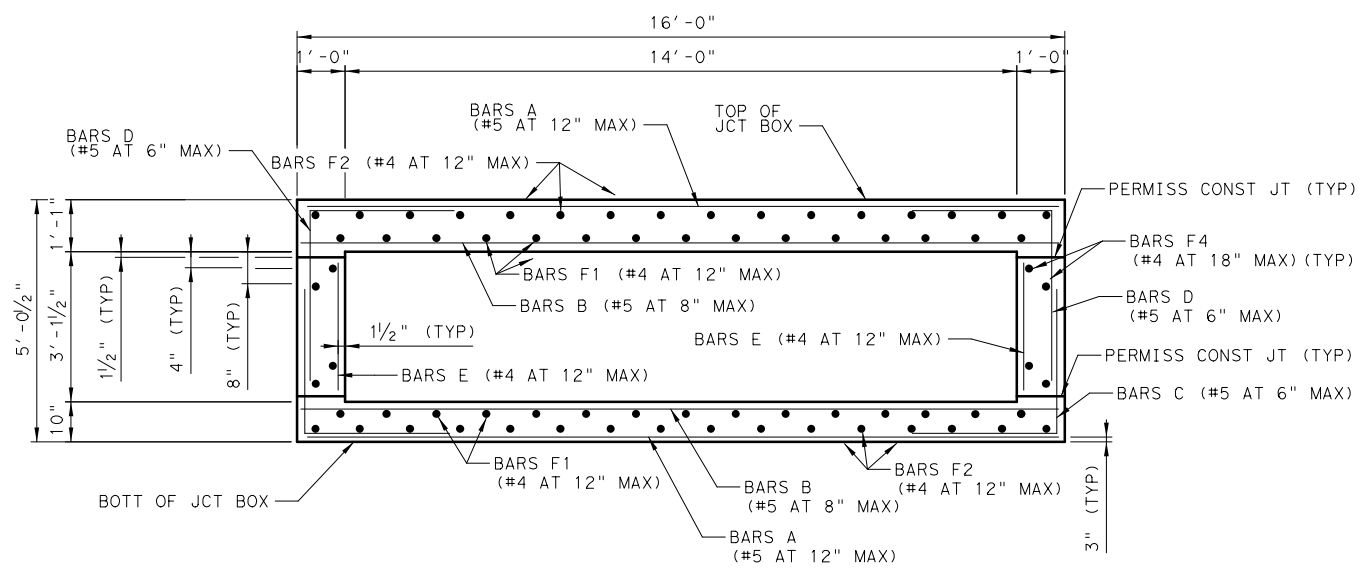
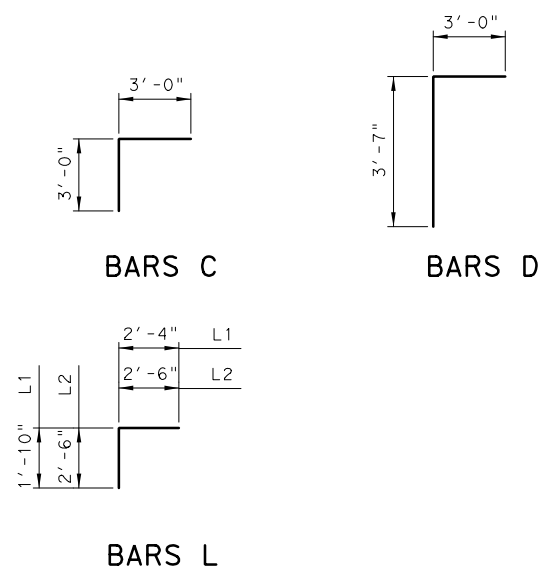
3/23/2023 8:53:18 AM kho



PLAN
(SHOWING TOP AND BOTTOM SLAB)



PLAN
(SHOWING VERTICAL JUNCTION BOX WALLS, CONCRETE CULVERTS NOT SHOWN FOR CLARITY)



SECTION A-A
(CULVERTS AND PIPE NOT SHOWN FOR CLARITY)

TABLE OF ESTIMATED QUANTITIES
14X8 JUNCTION BOX
STA 234+15.00

BAR	NO.	SIZE	LENGTH	WEIGHT	
A	30	#5	15' - 8"	490	
B	32	#5	15' - 8"	523	
C	98	#5	6' - 0"	613	
D	98	#5	6' - 9"	690	
E	46	#4	2' - 7"	79	
F1	30	#4	9' - 8"	194	
F2	32	#4	9' - 8"	207	
F3	8	#4	15' - 8"	84	
F4	8	#4	9' - 8"	52	
L1	36	#4	4' - 2"	100	
L2	16	#4	5' - 0"	53	
V	4	#4	4' - 0"	11	
REINFORCING STEEL				LB	3,096
CLASS "S" CONC (MISC)				CY	14.2



03/22/2023

NO.	REVISION	BY	DATE
1	REVISED	KH	03/22/23



TEXAS REGISTERED ENGINEERING FIRM, F-1741

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FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
FM 2551 (MURPHY ROAD)

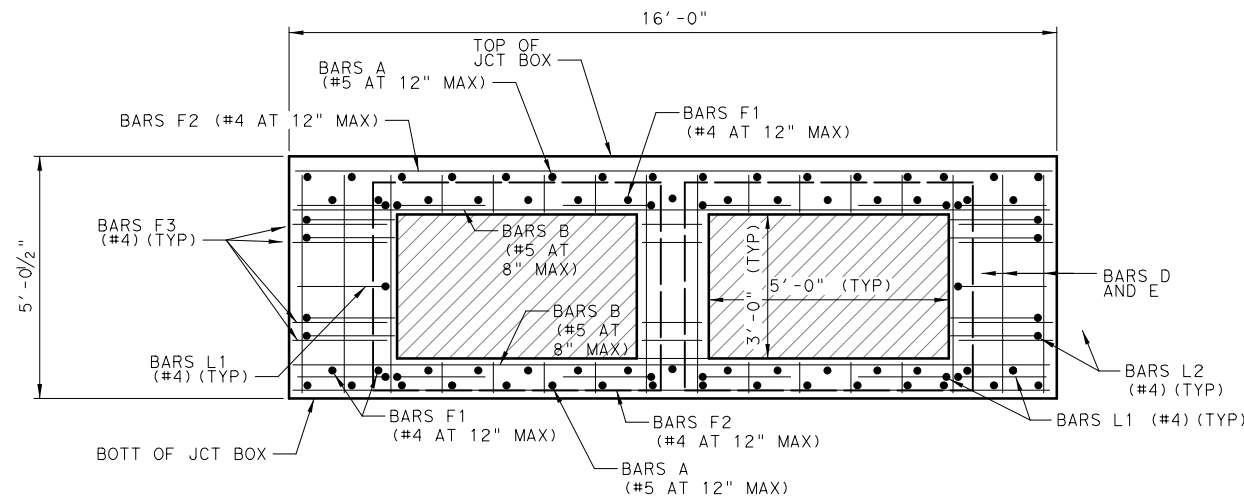
MISC DETAILS JUNCTION BOXES
14'X8' JUNCTION BOX AT STA 234+15.00

Designed:	KH	SECT. NO.	STATE	PROJECT NO.	HIGHWAY NO.
Checked:	CPY	6	TEXAS	SEE TITLE SHEET	FM 2551
Drawn:		DIST.	COUNTY	CONTROL NO.	SECTION NO.
Checked:		DALLAS	COLLIN	2056	01 042
					SHEET NO. 305B

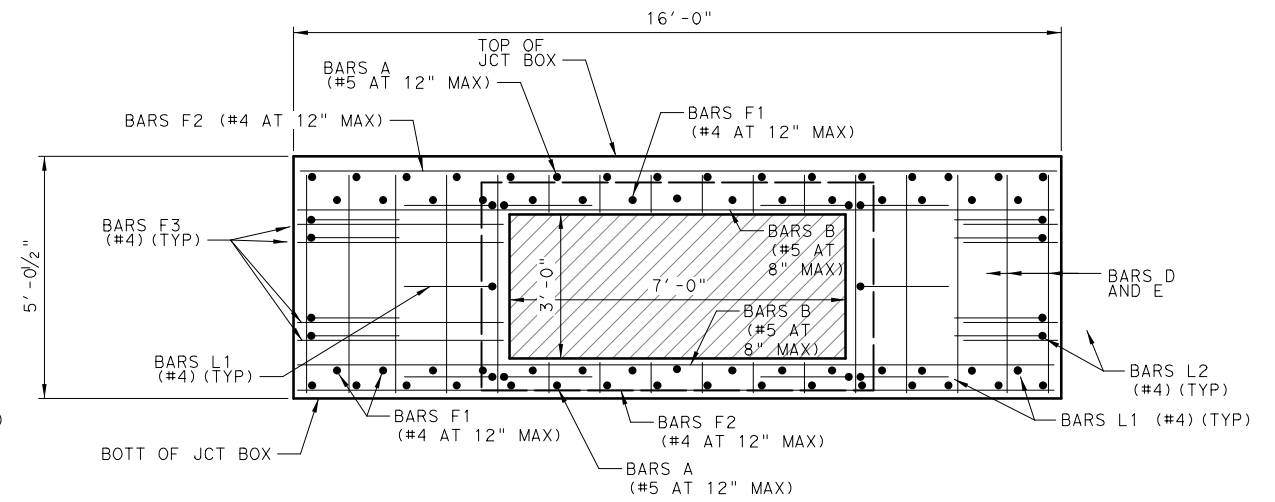
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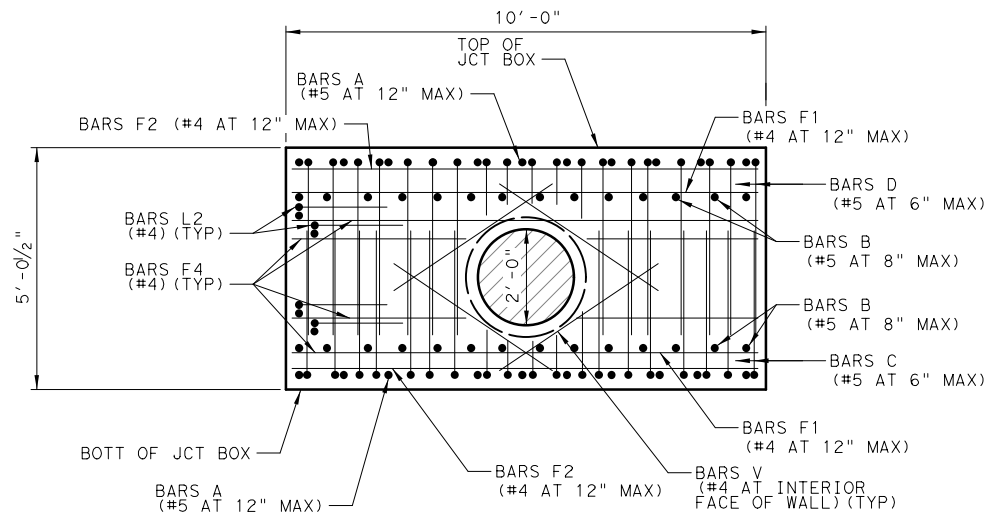
3/22/2023 2:16:34 PM kho



SECTION B-B
(SHOWING 2-5' X 3' OPENINGS,
FIELD CUT BARS AS NECESSARY.)



SECTION C-C
(SHOWING 7' X 3' OPENING,
FIELD CUT BARS AS NECESSARY.)



SECTION D-D
(SHOWING 24" RCP OPENING. FIELD CUT BARS AS NECESSARY.)



NO.	REVISION	BY	DATE



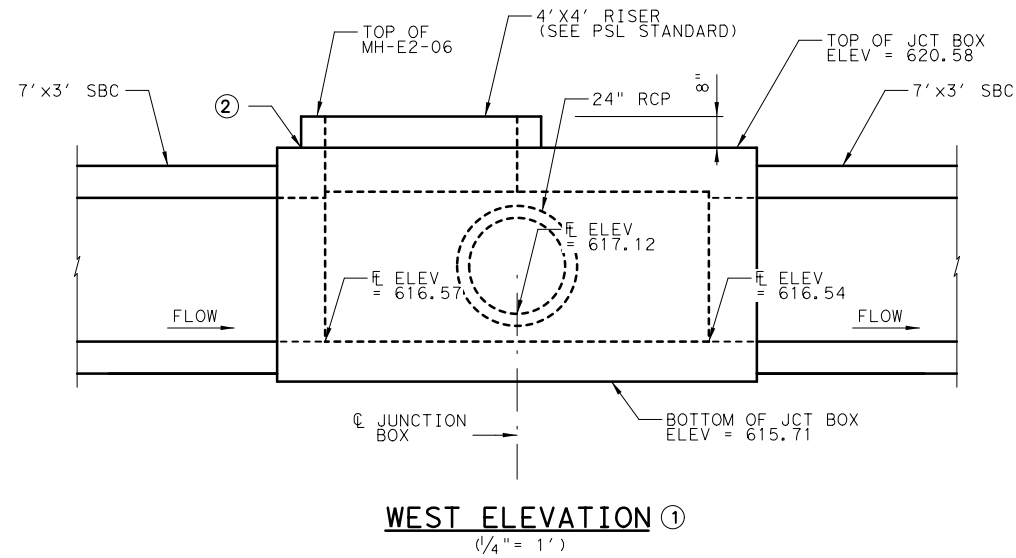
TEXAS REGISTERED ENGINEERING FIRM, F-1741

©2023 Texas Department of Transportation				
FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET) FM 2551 (MURPHY ROAD)				
MISC DETAILS JUNCTION BOXES				
14'X8' JUNCTION BOX AT STA 234+15.00				
Designed:	KH	FED. RD. DIV. NO.	STATE	PROJECT NO.
Checked:	CPY	6	TEXAS	SEE TITLE SHEET
Drawn:	DIST.	COUNTY	CONTROL NO.	SECTION NO.
Checked:	DALLAS	COLLIN	2056	01 042
				HIGHWAY NO.
				FM 2551
				SHEET NO.
				305C

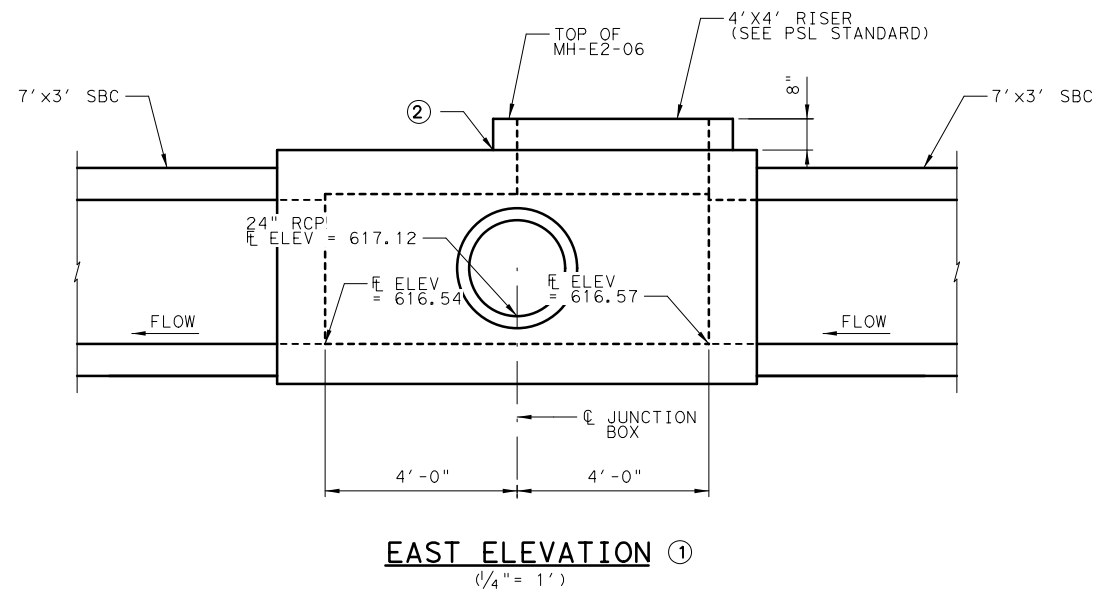
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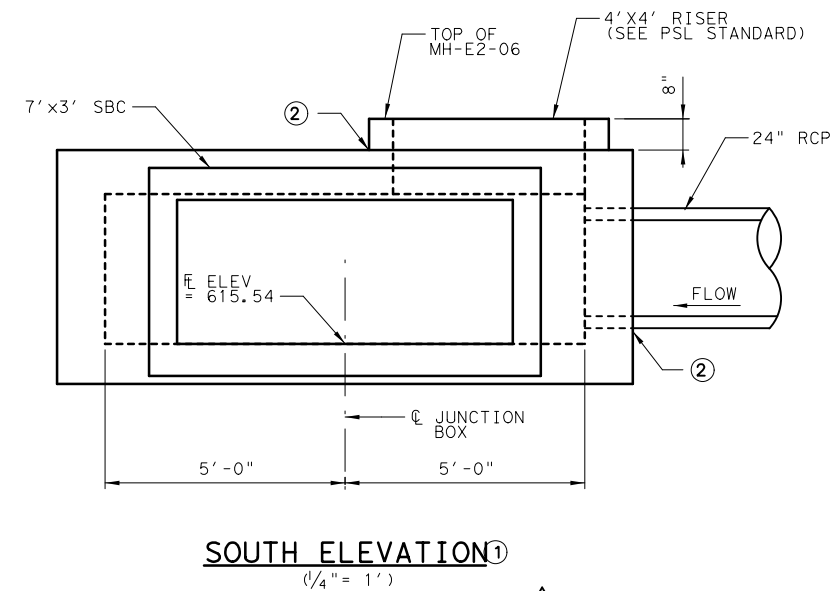
3/22/2023 2:17:46 PM



WEST ELEVATION ①
(1/4" = 1')



EAST ELEVATION ①
(1/4" = 1')



SOUTH ELEVATION ①
(1/4" = 1')

GENERAL NOTES:

1. DESIGNED ACCORDING TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION (2020).
2. CLASS "S" CONCRETE, $f'c = 4,000$ PSI.
3. ALL REINFORCING SHALL BE GRADE 60.
4. ALL EXPOSED CORNERS TO BE CHAMFERED $\frac{3}{4}$ ".
5. REINFORCING BAR DIMENSIONS ARE OUT-TO-OUT OF BAR. COVER DIMENSIONS ARE CLEAR DIMENSIONS.
6. REINFORCING BARS TO BE CUT, BENT OR ADJUSTED AS NECESSARY TO PROVIDE 2" END CLEARANCE TO CONCRETE PIPE OR RISER PENETRATIONS. REINFORCING TO BE ADJUSTED AS NECESSARY TO PROVIDE A MINIMUM OF $1\frac{1}{2}$ " CLEAR COVER.
7. SEE DRAINAGE PLAN AND PROFILE SHEETS FOR ADDITIONAL INFORMATION.
8. PAYMENT FOR JUNCTION BOX TO BE PAID FOR BY THE BID ITEM 420 6143 CLASS "S" CONC (JUNCTION BOX).


① ELEVATION VIEWS ARE ILLUSTRATIVE AND FOR CONTRACTOR'S INFORMATION ONLY. SEE DRAINAGE PLAN AND PROFILE SHEETS FOR COMPLETE DRAINAGE INFORMATION.

② SEE PBGC STANDARD FOR PRECAST RISER AND RCP TO JUNCTION BOX GROUTED CONNECTION DETAILS AND NOTES.



03/22/2023

NO.	REVISION	BY	DATE



TEXAS REGISTERED ENGINEERING FIRM, F-1741

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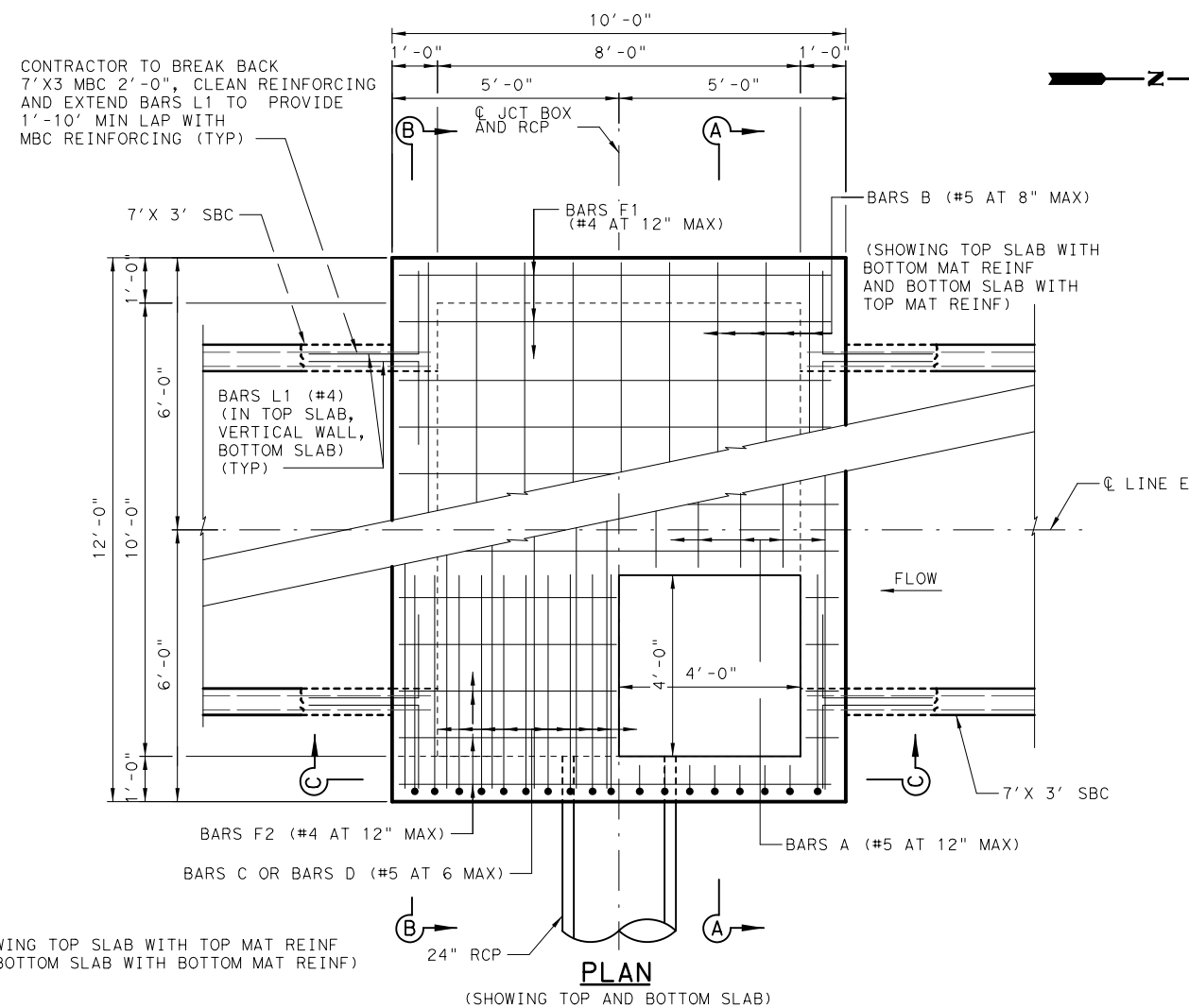
FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
FM 2551 (MURPHY ROAD)

MISC DETAILS JUNCTION BOXES
10'X8' JUNCTION BOX AT STA 242+49.00

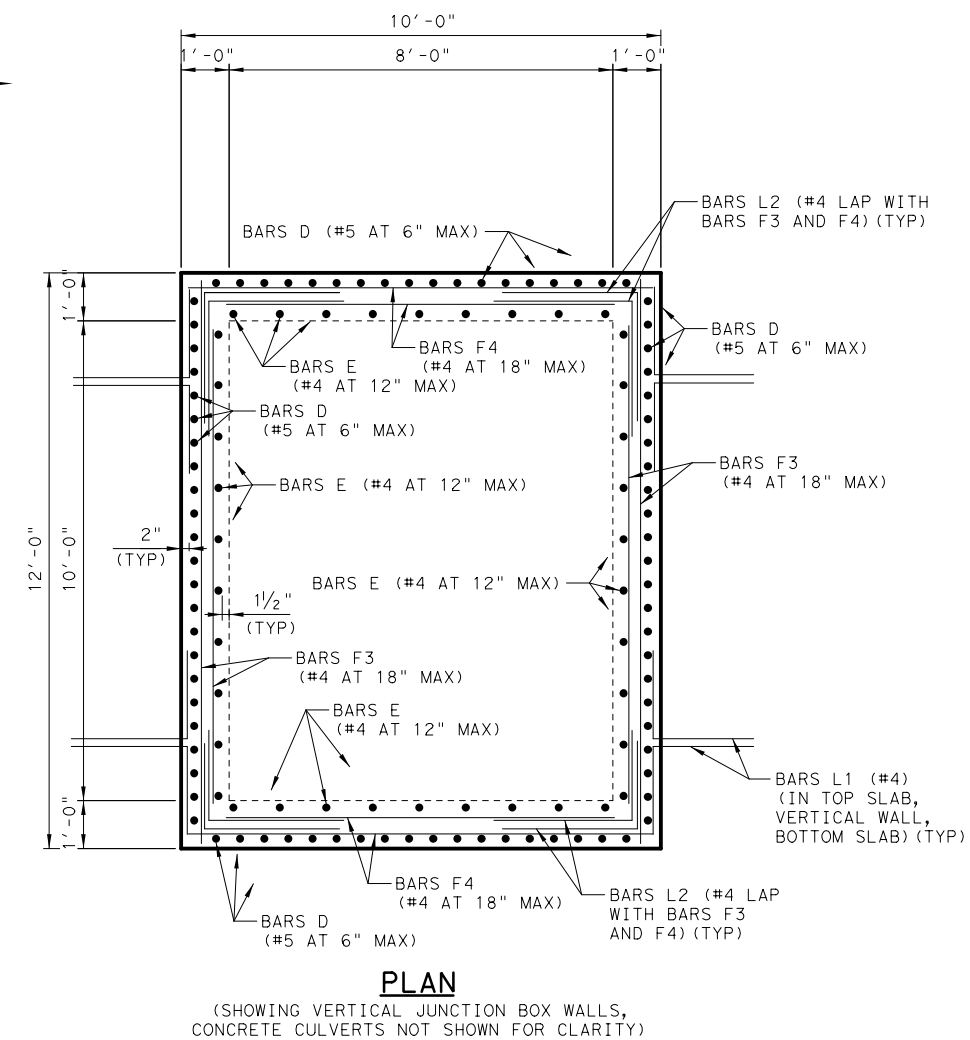
Designed:	KH	SECT. NO.:	6	STATE:	TEXAS	PROJECT NO.:	SEE TITLE SHEET	HIGHWAY NO.:	FM 2551
Checked:	CPY	DIST.:	DALLAS	COUNTY:	COLLIN	CONTROL NO.:	2056	SECTION NO.:	01
Drawn:		JOB NO.:	042	SHEET NO.:	305D				

ADDENDUM 1. 3/22/23. REVISED SHEET

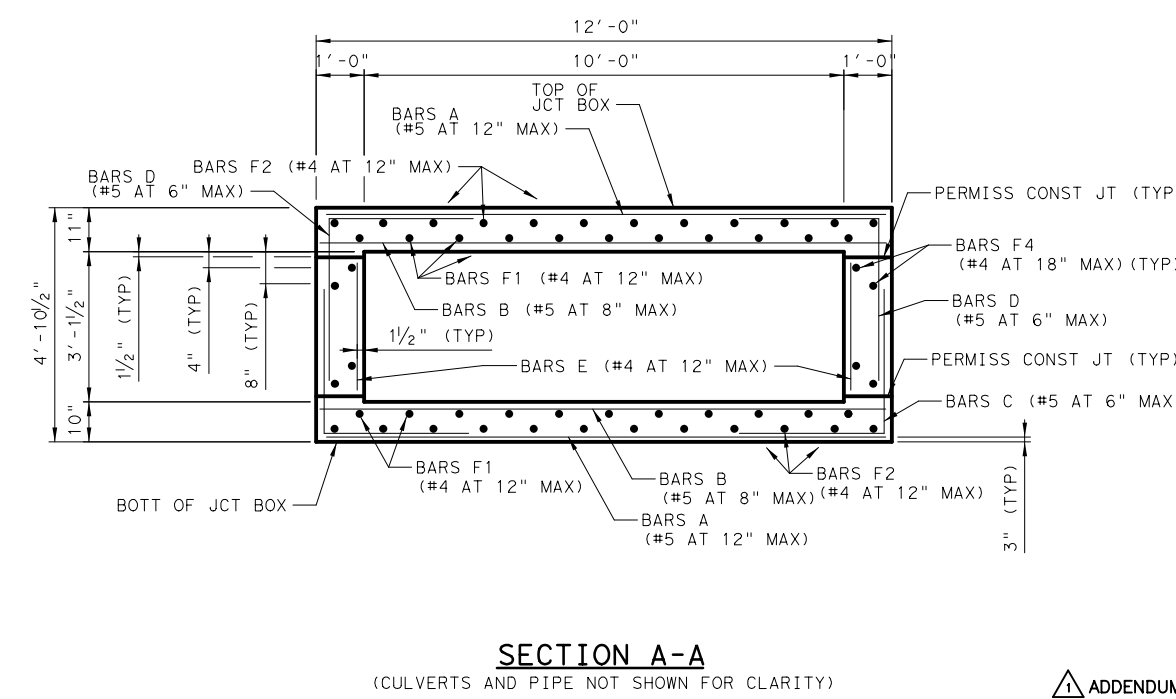
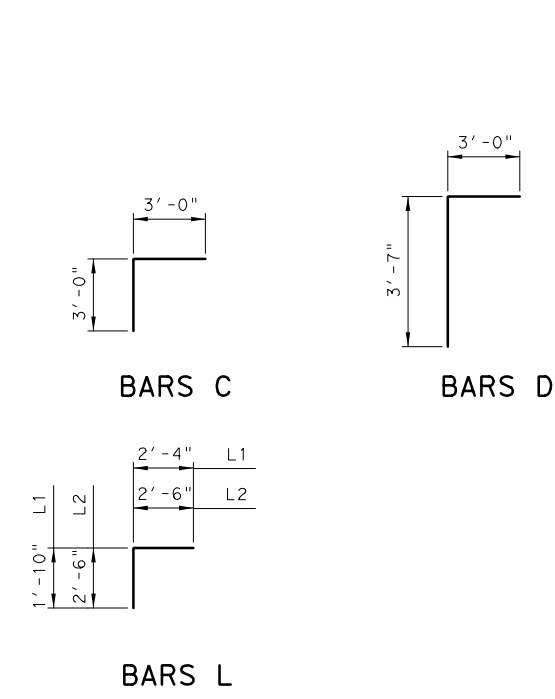
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PLAN
(SHOWING TOP AND BOTTOM SLAB)

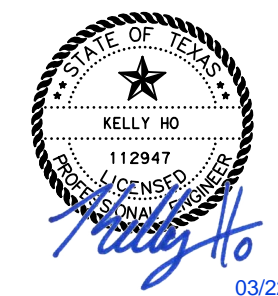


PLAN
(SHOWING VERTICAL JUNCTION BOX WALLS, CONCRETE CULVERTS NOT SHOWN FOR CLARITY)



SECTION A-A
(CULVERTS AND PIPE NOT SHOWN FOR CLARITY)

TABLE OF ESTIMATED QUANTITIES 10X8 JUNCTION BOX STA 242+49.00				
BAR	NO.	SIZE	LENGTH	WEIGHT
A	22	#5	11'-8"	268
B	28	#5	11'-8"	341
C	82	#5	6'-0"	513
D	82	#5	6'-7"	563
E	38	#4	2'-7"	66
F1	22	#4	9'-8"	142
F2	24	#4	9'-8"	155
F3	8	#4	11'-8"	62
F4	8	#4	9'-8"	52
L1	24	#4	4'-2"	67
L2	16	#4	5'-0"	53
V	4	#4	4'-0"	11
REINFORCING STEEL				LB 2,293
CLASS "S" CONC (MISC)				CY 10.1



03/22/2023

NO.	REVISION	BY	DATE

CP&Y
TEXAS REGISTERED ENGINEERING FIRM, F-1741

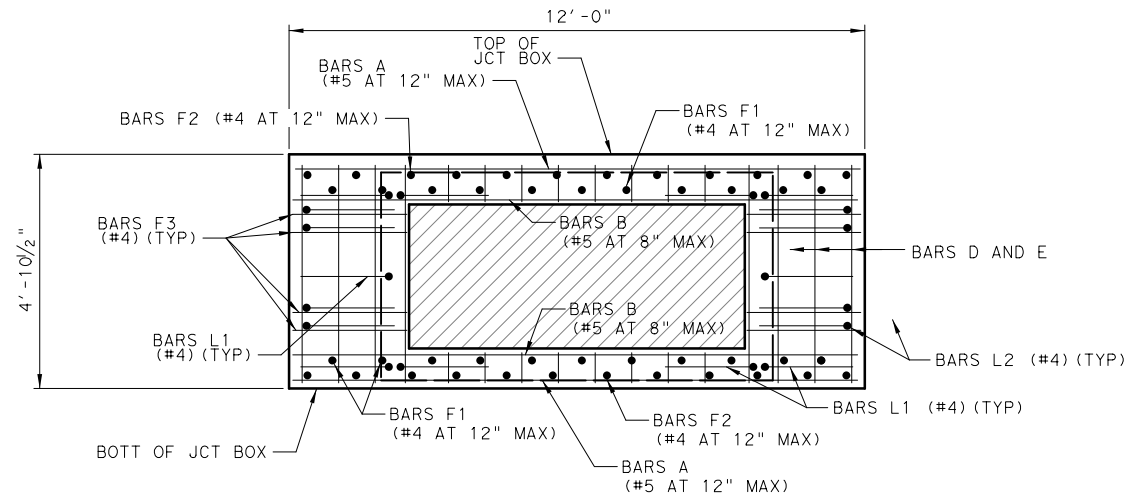
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FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
FM 2551 (MURPHY ROAD)

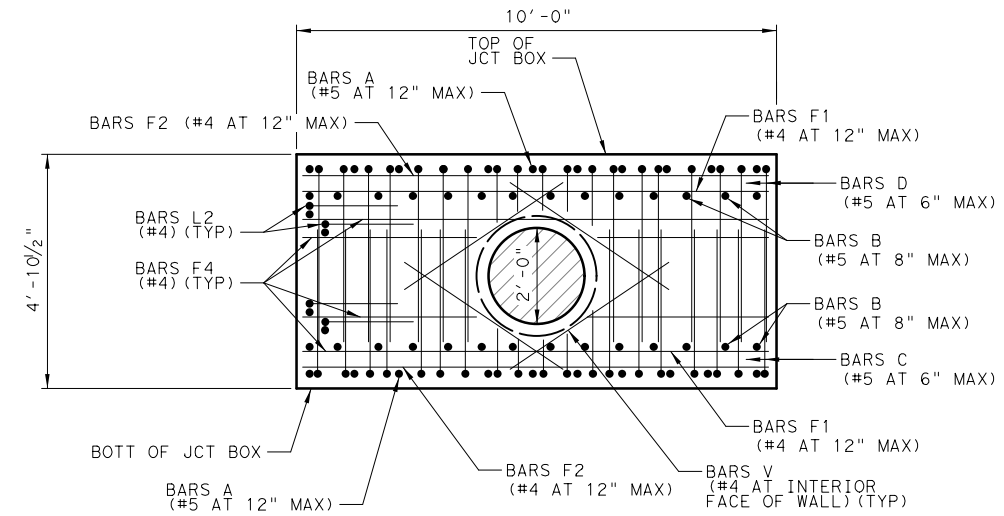
MISC DETAILS JUNCTION BOXES
10'X8' JUNCTION BOX AT STA 242+49.00

Designed: KH	SECT. NO.:	STATE:	PROJECT NO.:	HIGHWAY NO.:
Checked: CPY	6	TEXAS	SEE TITLE SHEET	FM 2551
Drawn:	DIST.:	COUNTY:	CONTROL SECTION NO.:	JOB NO.:
Checked:	DALLAS	COLLIN	2056 01	042
				SHEET NO.:
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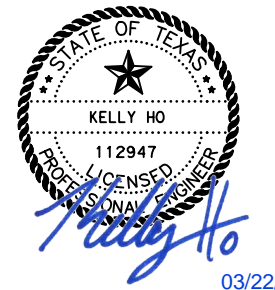
ADDENDUM 1. 3/22/23. REVISED SHEET



SECTION B-B
(SHOWING 7' X 3' OPENING,
FIELD CUT BARS AS NECESSARY.)



SECTION C-C
(SHOWING 24" RCP OPENING. FIELD CUT BARS AS NECESSARY.)



03/22/2023

NO.	REVISION	BY	DATE



TEXAS REGISTERED ENGINEERING FIRM, F-1741

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FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
FM 2551 (MURPHY ROAD)

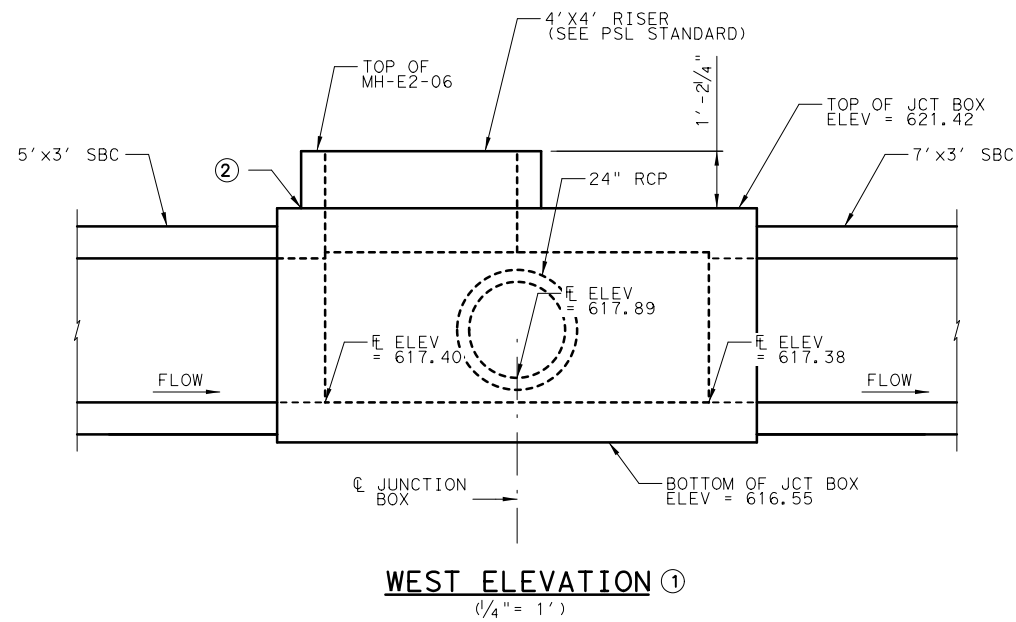
MISC DETAILS JUNCTION BOXES
10'X8' JUNCTION BOX AT STA 242+49.00

Designed:	KH	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
Checked:	CPY	6	TEXAS	SEE TITLE SHEET	FM 2551
Drawn:	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.
Checked:	DALLAS	COLLIN	2056	01	042
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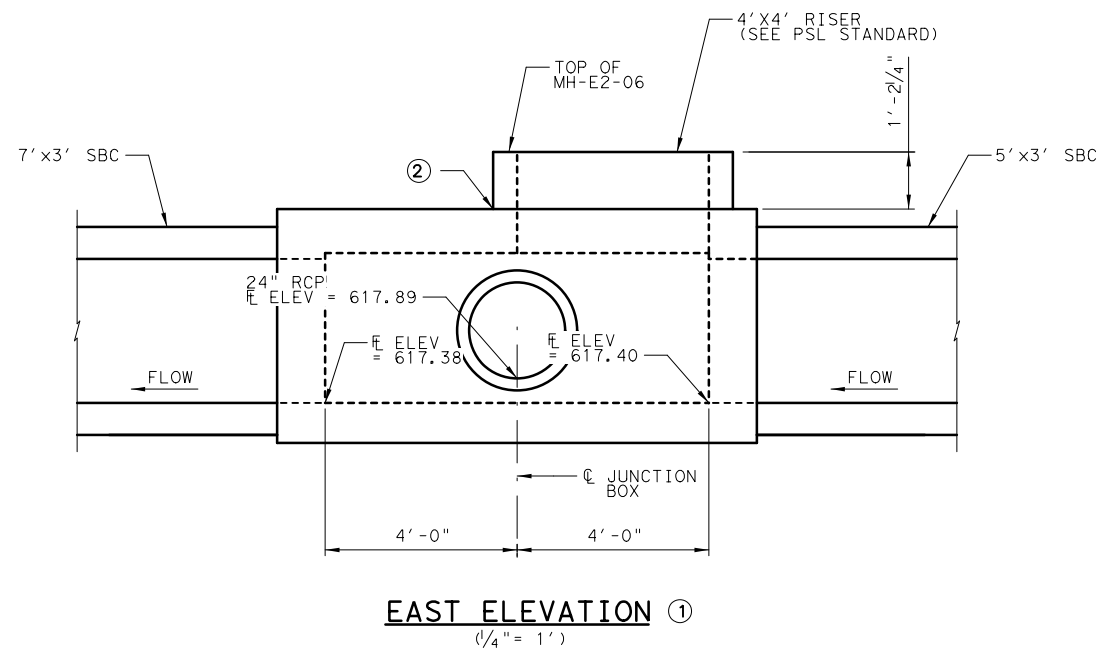
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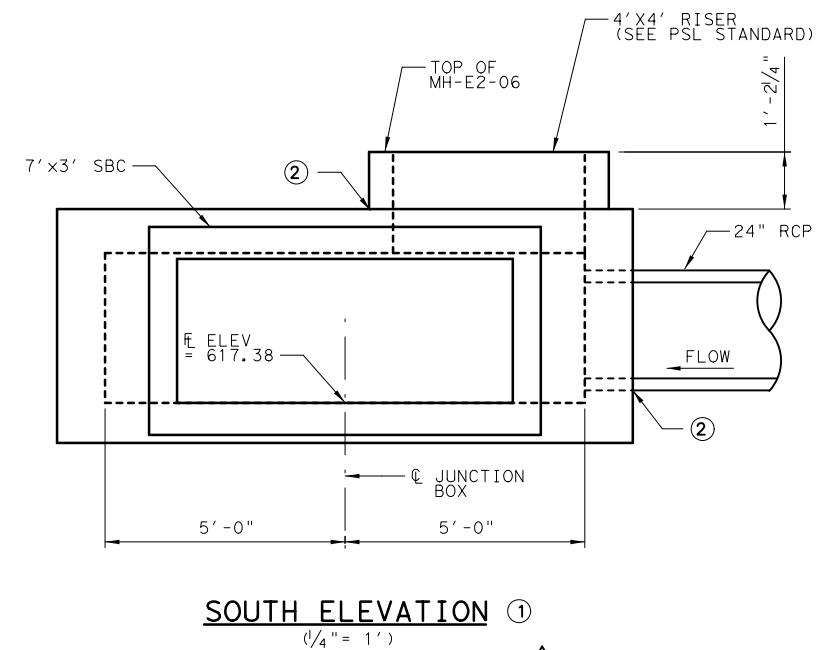
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WEST ELEVATION ①
(1/4" = 1')



EAST ELEVATION ①
(1/4" = 1')



SOUTH ELEVATION ①
(1/4" = 1')

GENERAL NOTES:

1. DESIGNED ACCORDING TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION (2020).
2. CLASS "S" CONCRETE, $f'c = 4,000$ PSI.
3. ALL REINFORCING SHALL BE GRADE 60.
4. ALL EXPOSED CORNERS TO BE CHAMFERED $3/4"$.
5. REINFORCING BAR DIMENSIONS ARE OUT-TO-OUT OF BAR. COVER DIMENSIONS ARE CLEAR DIMENSIONS.
6. REINFORCING BARS TO BE CUT, BENT OR ADJUSTED AS NECESSARY TO PROVIDE 2" END CLEARANCE TO CONCRETE PIPE OR RISER PENETRATIONS. REINFORCING TO BE ADJUSTED AS NECESSARY TO PROVIDE A MINIMUM OF $1\frac{1}{2}"$ CLEAR COVER.
7. SEE DRAINAGE PLAN AND PROFILE SHEETS FOR ADDITIONAL INFORMATION.
8. PAYMENT FOR JUNCTION BOX TO BE PAID FOR BY THE BID ITEM 420 6143 CLASS "S" CONC (JUNCTION BOX).


① ELEVATION VIEWS ARE ILLUSTRATIVE AND FOR CONTRACTOR'S INFORMATION ONLY. SEE DRAINAGE PLAN AND PROFILE SHEETS FOR COMPLETE DRAINAGE INFORMATION.

② SEE PBGC STANDARD FOR PRECAST RISER AND RCP TO JUNCTION BOX GROUTED CONNECTION DETAILS AND NOTES.



03/22/2023

NO.	REVISION	BY	DATE



TEXAS REGISTERED ENGINEERING FIRM, F-1741

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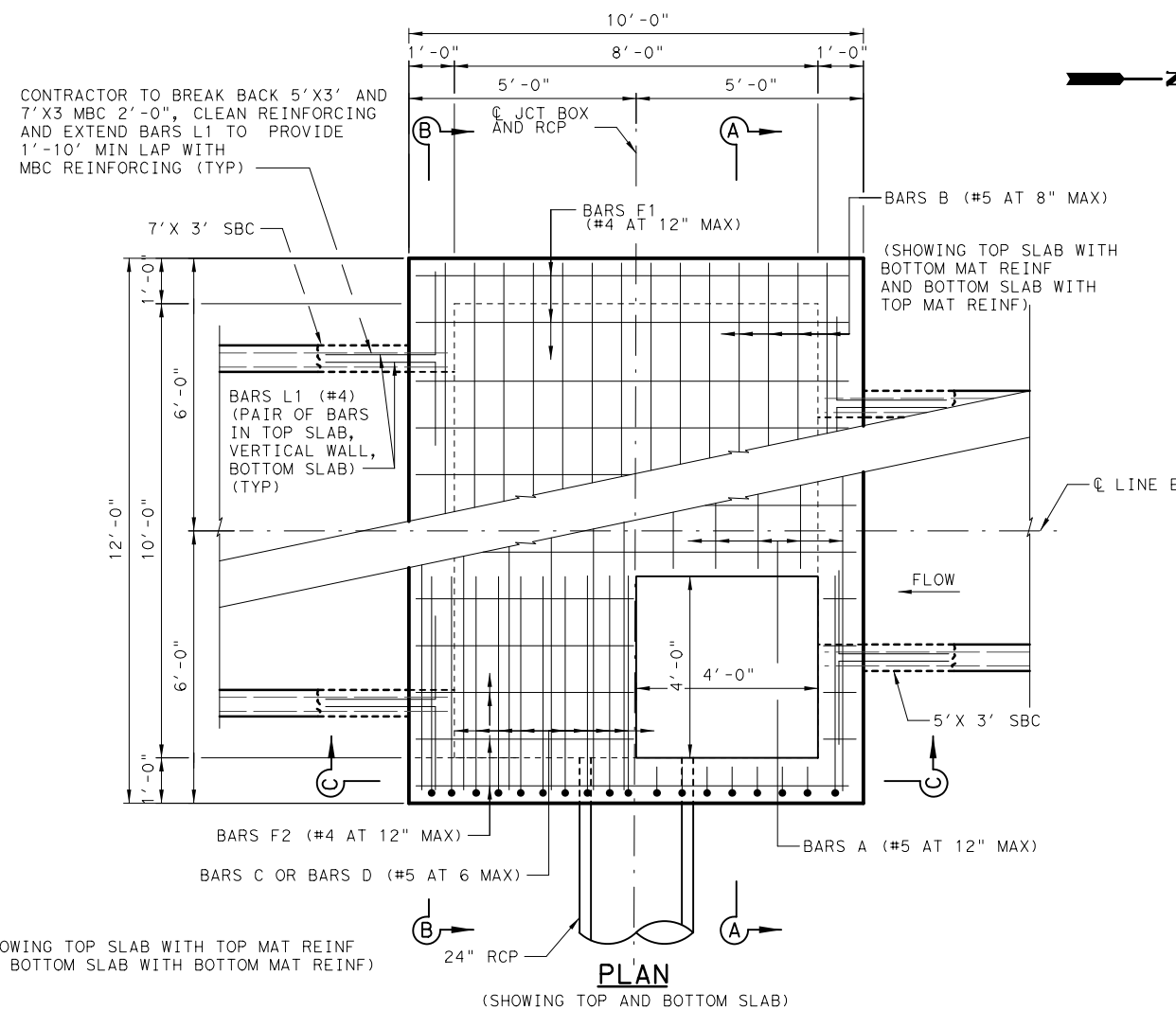
FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
FM 2551 (MURPHY ROAD)

MISC DETAILS JUNCTION BOXES
10'X8' JUNCTION BOX AT STA 245+28.00

Designed:	KH	SECT. NO.:	STATE	PROJECT NO.	HIGHWAY NO.
Checked:	CPY	6	TEXAS	SEE TITLE SHEET	FM 2551
Drawn:	DIST.	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.
Checked:	DALLAS	COLLIN	2056	01	042
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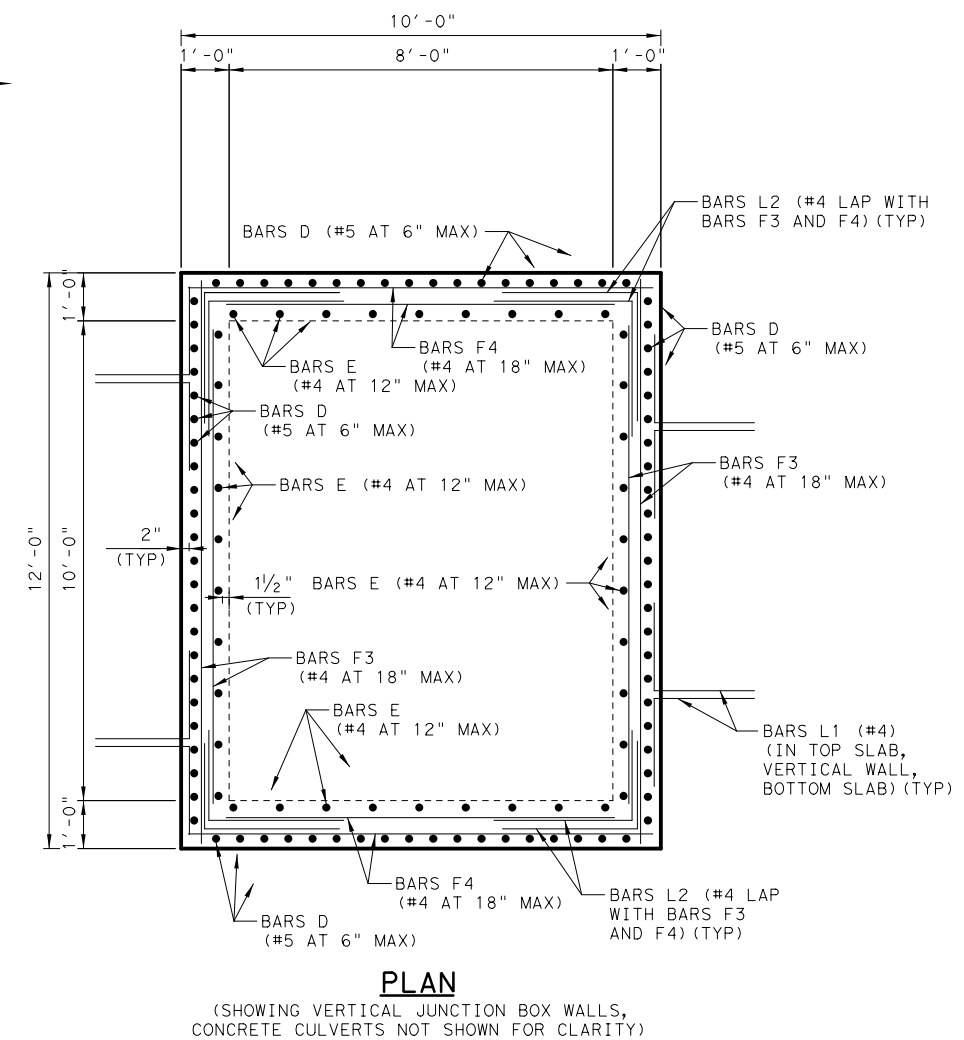
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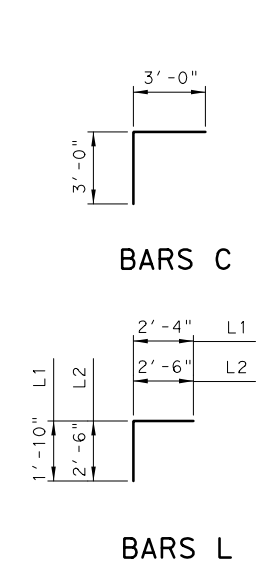


(SHOWING TOP SLAB WITH TOP MAT REINF AND BOTTOM SLAB WITH BOTTOM MAT REINF)

PLAN
(SHOWING TOP AND BOTTOM SLAB)



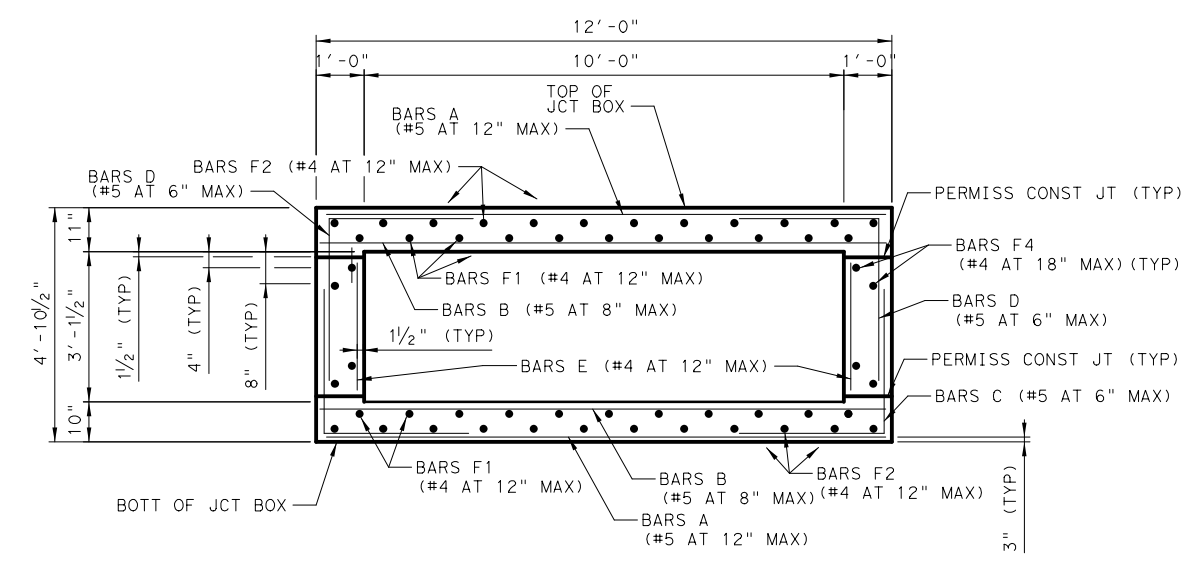
PLAN
(SHOWING VERTICAL JUNCTION BOX WALLS, CONCRETE CULVERTS NOT SHOWN FOR CLARITY)



BARS C

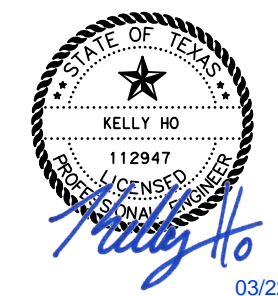
BARS D

BARS L



SECTION A-A
(CULVERTS AND PIPE NOT SHOWN FOR CLARITY)

TABLE OF ESTIMATED QUANTITIES 10X8 JUNCTION BOX STA 245+28.00				
BAR	NO.	SIZE	LENGTH	WEIGHT
A	22	#5	11'- 8"	268
B	28	#5	11'- 8"	341
C	82	#5	6'- 0"	513
D	82	#5	6'- 7"	563
E	38	#4	2'- 7"	66
F1	22	#4	9'- 8"	142
F2	24	#4	9'- 8"	155
F3	8	#4	11'- 8"	62
F4	8	#4	9'- 8"	52
L1	24	#4	4'- 2"	67
L2	16	#4	5'- 0"	53
V	4	#4	4'- 0"	11
REINFORCING STEEL			LB	2,293
CLASS "S" CONC (MISC)			CY	10.3



03/22/2023

NO.	REVISION	BY	DATE

CP&Y
TEXAS REGISTERED ENGINEERING FIRM, F-1741

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FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
FM 2551 (MURPHY ROAD)

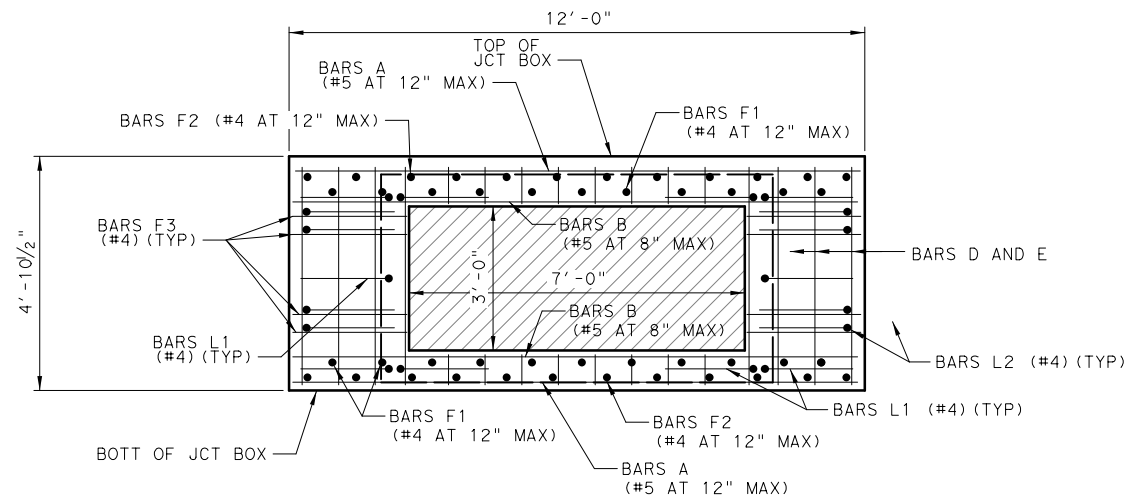
MISC DETAILS JUNCTION BOXES
10'X8' JUNCTION BOX AT STA 245+28.00

Designed: KH	SEP. NO.	STATE	PROJECT NO.	HIGHWAY NO.
Checked: CPY	6	TEXAS	SEE TITLE SHEET	FM 2551
Drawn:	DIST.	COUNTY	CONTROL SECTION NO.	JOB NO.
Checked:	DALLAS	COLLIN	2056 01	042
				SHEET NO. 305H

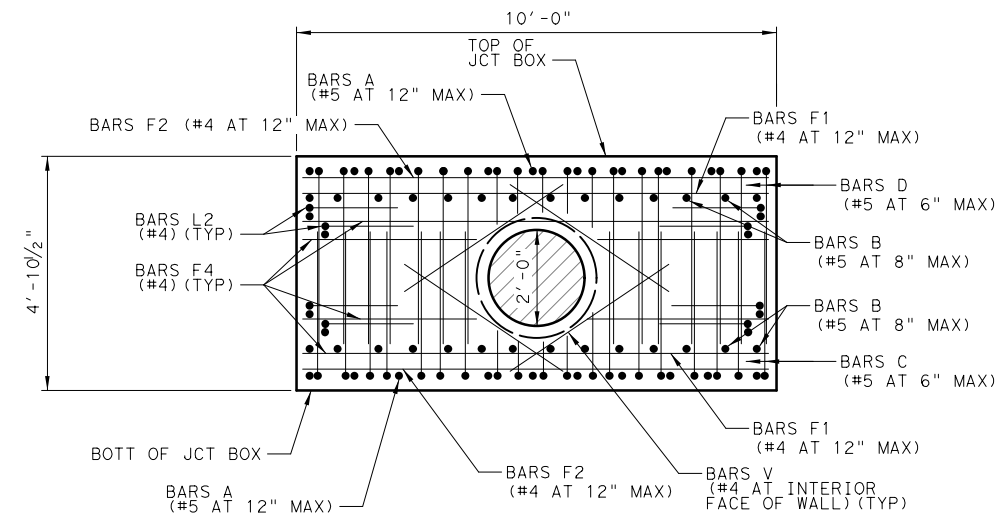
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3/22/2023 2:26:11 PM kho



SECTION B-B
(SHOWING 7'X3' OPENING, 5'X3' SIMILAR.
FIELD CUT BARS AS NECESSARY.)



SECTION C-C
(SHOWING 24" RCP OPENING. FIELD CUT BARS AS NECESSARY.)



NO.	REVISION	BY	DATE

CP&Y
TEXAS REGISTERED ENGINEERING FIRM, F-1741

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FROM FM 2514 (PARKER ROAD) TO FM 2170 (MAIN STREET)
FM 2551 (MURPHY ROAD)

MISC DETAILS JUNCTION BOXES
10'X8' JUNCTION BOX AT STA 245+28.00

Designed:	KH	FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.
Checked:	CPY	6	TEXAS	SEE TITLE SHEET	FM 2551
Drawn:		DIST.	COUNTY	CONTROL NO.	SECTION NO.
Checked:		DALLAS	COLLIN	2056	01
				042	3051

ADDENDUM 1. 3/22/23. ADDED SHEET