PCO #019

Ratcliff Constructors, LP
4200 Beltway Drive
Addison, Texas 75001
Phone: (972) 432-9969
Fax: (972) 432-9943

Project: 21-501 - Collin County Adult Detention Facility, Phase 1 Addition
4300 Community Avenue
McKinney, Texas 75071

Prime Contract Potential Change Order #019: PR #5 Storm Revisions

TO:	Collin County 4600 Community Avenue McKinney Texas, 75071	**FROM:**	Ratcliff Constructors, LP 4200 Beltway Drive Addison Texas, 75001
PCO NUMBER/REVISION:	019 / 1	**CONTRACT:**	1 - Collin County Adult Detention Facility, Phase 1 Addition Prime Contract
REQUEST RECEIVED FROM:		**CREATED BY:**	CJ Perry **(Ratcliff Constructors, LP)**
STATUS:	Pending - In Review	**CREATED DATE:**	8/25 /2022
REFERENCE:		**PRIME CONTRACT CHANGE ORDER:**	
FIELD CHANGE:	No		
LOCATION:		**ACCOUNTING METHOD:**	Amount Based
SCHEDULE IMPACT:	0 days	**PAID IN FULL:**	No
		TOTAL AMOUNT:	$18,281.32

POTENTIAL CHANGE ORDER TITLE: PR #5 Storm Revisions

CHANGE REASON: Client Request

POTENTIAL CHANGE ORDER DESCRIPTION: *(The Contract Is Changed As Follows)*
PR #5 Storm Revisions

Provide for additional work required to complete all work associated with PR#5 dated 8/12/22. This includes ADDED 48" RCP III per sheets C100, C112, C113, and C118.1. In addition, pricing is included to chip off excess concrete for piers that were poured in the existing RCP per JQ field report dated 8/3/22.

2/17/23 - REVISED PER AGREEMENT WITH BSW (PAY 2/3RD OF ORIGINAL PCO COST) AS DISCUSSED AT THE OAC MEETING ON 2/8/23.

ATTACHMENTS:

#	Cost Code	Description	Type	Amount
1	33-100 - Site Drainage Utilities	ADDED 48" RCP III	Subcontractor	$ 23,390.95
2	03-300 - Concrete	Pier Repair	Subcontractor	$ 1,230.37
3		Ratcliff Fee (10.00%)		$ 2,800.66
4		Credit Offering From Ratcliff Constructors per BSW/CC Request		($9,140.66)
			Subtotal:	$18,281.32
			Grand Total:	**$18,281.32**

RATCLIFF CONSTRUCTORS LP

PCO #019

Michael Woods (Brinkley Sargent Wiginton Architects)
5000 Quorum Drive, Suite 600
Dallas Texas 75254

Michael Woods 2-21-2023
SIGNATURE **DATE**

Collin County

4600 Community Avenue
McKinney Texas 75071

SIGNATURE **DATE**

Ratcliff Constructors, LP

4200 Beltway Drive
Addison Texas 75001

2/17/23
SIGNATURE **DATE**

Chris Perry, Jr.

From: Chris Perry, Jr.
Sent: Wednesday, February 8, 2023 5:34 PM
To: 'Michael Woods'; Brad Harris - Collin County Jail Owners Rep; Bill Burke
Cc: Brian Odom; Shane Worley; Scott Trcka; Max Young; Clint A. Bissett; Charles Goodman; Zachary Reynolds
Subject: RE: CCADF - PCO #19 (PR-5)

Michael,

As discussed today at the OAC meeting, Ratcliff accepts BSW's proposal of 2/3rds of the PCO pricing equaling $18,281.32 in an effort to move forward and close out this item. Please advise how you would like to proceed with payment.

Thank you,

Christopher Perry Jr.
Project Manager | Ratcliff Constructors, L.P.
RATCLIFF CONSTRUCTORS LP
4200 Beltway Drive, Addison Tx 75001
972-432-9969 Office | 469-855-7192 Cell
cj.perry@ratcliffconstructors.com

From: Michael Woods <mwoods@bsw-architects.com>
Sent: Wednesday, January 11, 2023 5:34 PM
To: Chris Perry, Jr. <cj.perry@ratcliffconstructors.com>; Brad Harris - Collin County Jail Owners Rep <bjharris@co.collin.tx.us>; Bill Burke <bburke@co.collin.tx.us>
Cc: Brian Odom <Brian.Odom@ratcliffconstructors.com>; Shane Worley <Shane.Worley@ratcliffconstructors.com>; Scott Trcka <Scott.Trcka@ratcliffconstructors.com>; Max Young <Max.Young@ratcliffconstructors.com>; Clint A. Bissett <cbissett@pkce.com>; Charles Goodman <cgoodman@bsw-architects.com>; Zachary Reynolds <Zachary.reynolds@ratcliffconstructors.com>
Subject: RE: CCADF - PCO #19 (PR-5)

Chris,
I have met internally on our end concerning this issue and we have re-evaluated our original proposal as follows:
PCO # 19 – RCP/Pier Conflict: **$27,421.98**

- Design Team has agreed to pay for 2/3rds the cost of this PCO. This equates to a total of **$18,281.32 of the $27,421.98.** The remaining 1/3rd of the cost [$9,140.66] would be paid by Ratcliff or a combination of relevant subcontractors. We feel this proposition is more than fair and are not willing to go beyond this amount. The Owner has indicated they will not be contributing to this cost issue. Please consider this proposal, so that we can move forward and close this issue out.

Michael Woods
BRINKLEY SARGENT WIGINTON ARCHITECTS

Project: COLLIN COUNTY DETENTION CENTER

Location: MCKINNEY, TX

Date: August 18, 2022

Addendum: PR#5

OWNER: Brenan Phelps 972-814-1428. Email. Brenandfsutilities@gmail.com

Lead Estimator: Louie Alexander Email. Louie@dfsutilities.com

Storm Drain

Item	Description	Quantity		Pricing	Total
	****RFI#44 C112 ADDED STORM****				
1	48" CLASS 3 RCP	72	LF	$151.00	$10,872.00
	****LABOR ****		EA		
2	5 MAN CREW PER DAY	5	EA	$1,441.00	$7,205.00
	****EQUIPMENT****		EA		
3	EXCAVATOR (1 WEEK)	1	EA	$1,750.00	$1,750.00
4	FRONT LOADER (1 WEEK)	1	EA	$937.50	$937.50
5	COMPACTION ROLLER (1 WEEK)	1	EA	$500.00	$500.00
	****OH&P****				
6	OH & P (10%)	1	EA	$21,264.50	$2,126.45

Grand Total : $23,390.95

Approved By:

Sign:

Date:

Sincerely,
Brenan Phelps
972-814-1428

SIZELOVE CONSTRUCTION

11120 South Pipeline Road
Euless, Texas 76040
Office: (817) 267-4788 ext. 203
Cell: (214) 878-6331
Fax: (817) 267-4545

Change Order Request

2329 — Collin County Adult Detention Facility, PH 1 **Subject: T&M Ticket Work - Chipping at Piers**

To

Chris Perry, Jr.
Ratcliff Constructors, LP
4200 Beltway Drive
McKinney, TX 75001
972-432-9969
972-432-9943 (FAX)

Number: **2329-PC 008R**
Revision Number: **0**
Date: 8/24/2022
Work Type: Field Work Order / T&M
Days Valid: **5**

Return To

Sean Hunt
Sizelove Construction
11120 South Pipeline Road
Euless, TX 76040
8172674787
sean@sizeloveconstruction.com

Summary

Total: **$1,230.37**

Reservation of Rights

This pricing does not include any amount for impacts such as interference, disruptions, rescheduling, changes in the sequence of work, delays and/or associated acceleration. We expressly reserve the right to submit our request for any of these items.

Signed By: Sean J Hunt

Sean Hunt
Project Manager

Dated: 8/24/2022

JOB #2329 COLLIN COUNTY ADULT DETENTION CENTER **DATE 8/24/2022**

DESCRIPTION

T&M TICKET WORK - 08/12/22

ITEM	QTY.		UNIT	LABOR	UNIT	MATERIAL	SUBS.
LABOR							
CHIPPING AT 2 PIERS							
CARPENTER	10	HR	$32.81	$328.10			
LABOR	22	HR	$29.11	$640.42			
SUMMARY							
ENGINEERING (SHOP DRAWINGS)							
ENGINEERING & LAYOUT							
POINT & PATCH (CSF)							
PRINTING OF DRAWINGS							
MATERIALS							
EQUIPMENT/SUBS							
JACK HAMMER (ELECTRIC)	1	DAY	$150.00				$150.00
				$968.52			$150.00
					SALES TAX		N/A
					TOTAL MATERIAL		N/A
					TOTAL LABOR	$968.52	N/A
					TOTAL SUBS	→→→→→→	$150.00
					TOTAL COST	$968.52	$150.00
					5% OVERHEAD	$48.43	$7.50
						$1,016.95	$157.50
					5% FEE	$48.43	$7.50
						$1,065.37	$165.00
					0% BOND		
						$1,065.37	$165.00
					GRAND TOTAL	$1,230.37	

NOTES:
REFER TO ATTACHED T&M TICKETS FOR MORE INFORMATION.

Project Name
2329 Collin County Adult Detention Ctr

Foreman
Ricardo Marinez

Date
08/12/2022

Address
4300
Community ave
Tx McKinney

Man Hours
- Total Labor Hours

Total Labor Hours
32

Equipment
- JackHammer

JackHammer (Hours)
8

Concrete saw?
No

Haul Off?
No

General Description of Work
We had 3 people chipping concrete at mushroomed concrete at 2 piers when we poured the piers into 48" rcp.

GC Signature

PROPOSAL REQUEST

Distribution: OWNER ☒ ARCHITECT ☒ CONSULTANT ☒ CONTRACTOR ☒ FIELD ☐ OTHER ☐

PROJECT: **Collin County Adult Detention Facility**
4300 Community Avenue
McKinney, TX 75071

PROPOSAL REQUEST **05**

OWNER: Collin County
4300 Community Avenue
McKinney, TX 75071

TO: Ratcliff Constructors, LP
4200 Beltway Drive
Addison, TX 75001

PROJECT NO.: 21913
INITIATION DATE: 08/12/2022
NOTICE TO PROCEED DATE: 02/17/2022
CONTRACT DATE: 11/10/2021

CONTRACT FOR: General Construction

Please submit an itemized quotation for changes in the Contract Sum and/or Time incidental to proposed modifications to the Contract Documents described herein.

Item No. 1. Provide pricing for the revised Storm line due to the Pier/RCP incident on 7-20-2022. The Work associated with this change has already been completed. This PR is being issued to capture the cost and re-issue the formal drawings associated with this issue.

Attachments: N/A

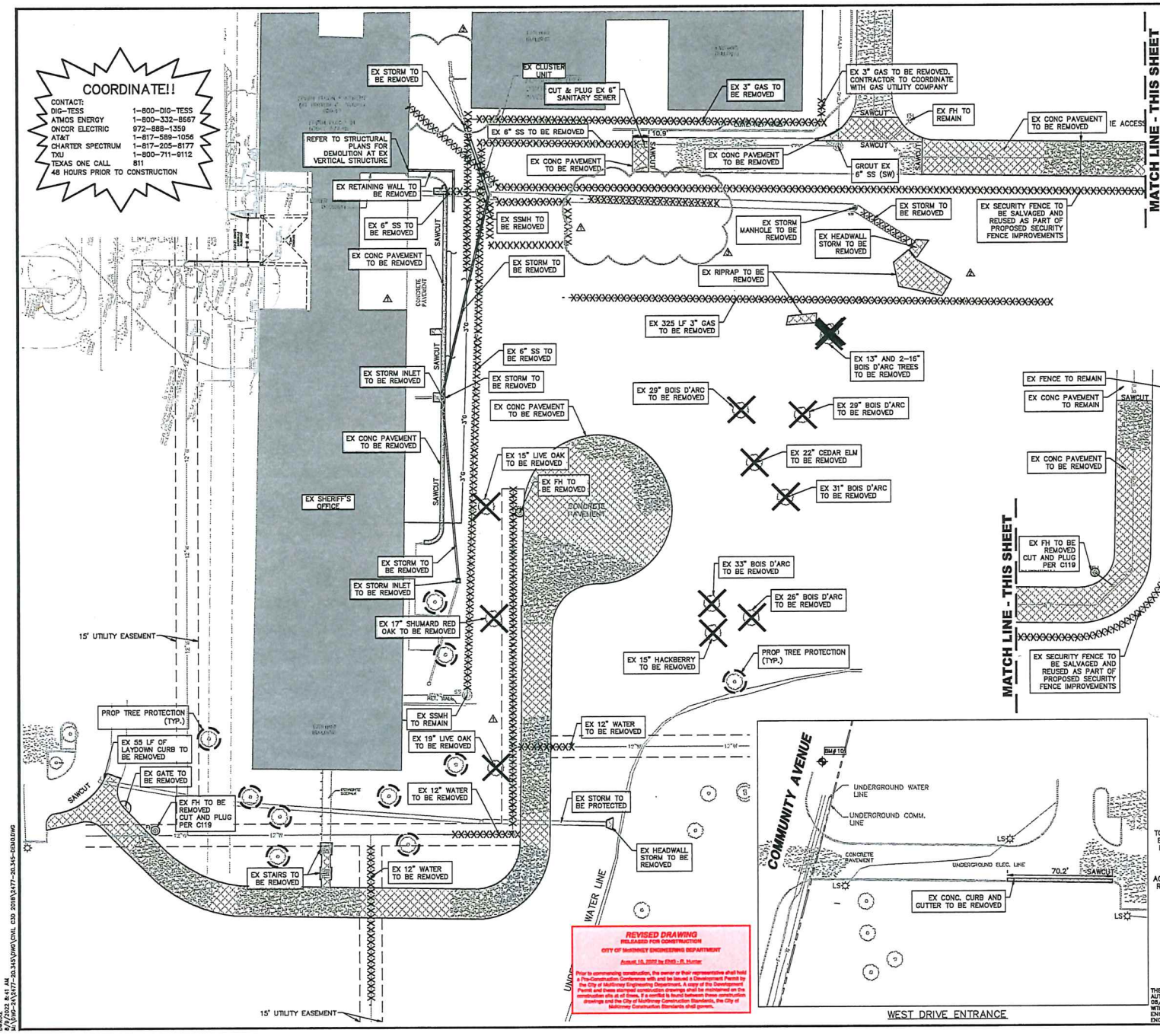
Drawings: C100, C112, C113, C118.1

Specifications: N/A

END OF PROPOSAL REQUEST 05

ISSUED: BRINKLEY SARGENT WIGINTON ARCHITECTS
By: Michael Woods August 12, 2022

ARCHITECT DATE



GRAPHIC SCALE IN FEET (0, 15, 30, 60, 90)

LEGEND

BOLLARD	CONTROLLING MONUMENT
ELECTRIC METER	PROPERTY LINE
POWER POLE	FENCE
LIGHT STANDARD	OVERHEAD UTILITY LINE
WATER METER	FIBER OPTIC LINE
WATER VALVE	UNDERGROUND STORM LINE
IRRIGATION CONTROL VALVE	UNDERGROUND ELECTRIC LINE
FIRE HYDRANT	UNDERGROUND TELEPHONE LINE
CLEANOUT	UNDERGROUND CABLE LINE
MANHOLE	UNDERGROUND WATER LINE
TRAFFIC SIGNAL CONTROL	UNDERGROUND SANITARY SEWER LINE
TRAFFIC SIGNAL POLE	EXIST CONTOUR
TELEPHONE BOX	EXIST SPOT ELEVATION
FLOOD LIGHT	EXIST TOP OF CURB ELEVATION
FLAG POLE	EXIST GUTTER ELEVATION
TRAFFIC SIGN	LIMITS OF SAWCUT
1/2-INCH IRON ROD W/"PACHECO KOCH" CAP SET	DEMOLITION AREA
	TREE TO BE REMOVED
	TREE PROTECTION

DEMOLITION GENERAL NOTES

1. CONTRACTOR IS TO REVIEW ALL GENERAL NOTES PRIOR TO BEGINNING WORK.
2. REMOVE ALL EXISTING PAVEMENT AND STRUCTURES WITHIN THE LIMITS OF DEMOLITION UNLESS OTHERWISE NOTED.
3. SAWCUT AND REMOVE ALL EXISTING DRIVE APPROACHES (WITHIN THE LIMITS OF DEMOLITION) TWO FEET FROM BACK OF CURB. SIDEWALKS, PAVEMENT, AND UTILITIES WITHIN THE PUBLIC RIGHT-OF-WAY ARE TO REMAIN UNLESS OTHERWISE NOTED.
4. CONSULT THE DIMENSIONAL CONTROL PLAN. VERIFY THE PORTION OF EXISTING CONCRETE CURBS AND PAVEMENT WHICH ARE TO REMAIN.
5. COORDINATE WITH LOCAL POWER, TELEPHONE, CABLE, AND GAS COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF EXISTING UTILITIES.
6. ALL UTILITIES SHOULD BE CUT AND PLUGGED IN ACCORDANCE WITH THEIR RESPECTIVE UTILITY COMPANY REQUIREMENTS AND PRIOR TO DEMOLITION OF THE EXISTING BUILDINGS.
7. CONTRACTOR TO PLUG ALL EXISTING EXPOSED ENDS OF ABANDONED UTILITIES.
8. CONTRACTOR TO DETERMINE SOURCE OF ALL EXPOSED UTILITIES AND, IF REQUIRED, RECONNECT TO PROPOSED UTILITIES.
9. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND LEGAL DISPOSAL OF ALL THE UNSUITABLE MATERIALS FROM THE PROJECT SITE. CONTRACTOR SHALL CONTACT ALL LOCAL AUTHORITIES TO DETERMINE DISPOSAL REQUIREMENTS.
10. ALL TREES ON THE PROPERTY SHALL BE PROTECTED AGAINST DAMAGE DURING DEMOLITION OPERATIONS UNLESS OTHERWISE NOTED. THE TREE PROTECTION SHALL BE PLACED AROUND TREES PRIOR TO ANY DEMOLITION OR GRADING. TREE PROTECTION SHALL REMAIN UNTIL ALL WORK IS COMPLETED. REFER TO LANDSCAPE PLANS FOR TREE REMOVAL AND PROTECTION DETAILS.
11. ANY DAMAGE DONE TO EXISTING TREE CROWNS OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY BY AN APPROVED TREE SURGEON AT THE OWNER'S DIRECTION. ROOTS EXPOSED AND/OR DAMAGED DURING DEMOLITION AND/OR GRADING OPERATIONS SHALL BE CUT OFF CLEANLY INSIDE THE EXPOSED OR DAMAGED AREA. CUT SURFACES PAINTED WITH AN APPROVED TREE PAINT, AND TOPSOIL AND MULCH PLACED OVER THE EXPOSED ROOT AREA IMMEDIATELY.
12. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING EROSION CONTROL MEASURES ON THE SITE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS UNTIL THE SITE HAS BEEN STABILIZED.
13. CONTRACTOR IS RESPONSIBLE FOR GRADING ALL DISTURBED AREAS TO ALLOW FOR POSITIVE DRAINAGE. GRADING SLOPES ARE NOT TO EXCEED 3:1.
14. AREAS EXCAVATED FOR FOUNDATION OR UNDERGROUND STRUCTURE REMOVAL SHALL BE BACK-FILLED AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY.
15. CONTRACTOR IS RESPONSIBLE FOR SECURITY OF THE SITE DURING DEMOLITION ACTIVITIES AND UNTIL SUBSTANTIAL COMPLETION.
16. ALL WORK, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ISSUED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS AND CITY OF MCKINNEY STANDARD CONSTRUCTION SPECIFICATIONS.
17. THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM DATA RECORDED BY OTHERS. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL UTILITY MAINS, MANHOLES, CLEANOUTS, VALVE BOXES, AND FIRE HYDRANTS, ETC. IN THE AREA OF DEMOLITION.
18. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING TRENCH SAFETY.
19. BARRICADING AND PROJECT SIGNS SHALL CONFORM TO TEXAS DEPARTMENT OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND LATEST UPDATES.
20. CONTRACTOR SHALL MAINTAIN EXISTING PAVEMENT AND ACCESS TO FIRE HYDRANTS ON SITE UNTIL THE BUILDINGS AND STRUCTURES IN THAT AREA HAVE BEEN DEMOLISHED AND REMOVED.
21. CONTRACTOR WILL PROVIDE ON-SITE PARKING FOR WORKERS. VEHICLE PARKING WILL NOT BE ALLOWED WITHIN THE PUBLIC RIGHT-OF-WAY.
22. CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING ADEQUATE DUST CONTROL MEASURES DURING DEMOLITION ACTIVITIES.
23. CONTRACTOR IS TO COORDINATE DEMOLITION ACTIVITIES WITH THE HAZARDOUS MATERIAL ABATEMENT CONTRACTORS' ACTIVITIES, IF APPLICABLE.
24. THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ALL TEMPORARY UTILITY SERVICES REQUIRED TO COMPLETE THE SCOPE OF WORK.

TOPOGRAPHIC INFORMATION SHOWN IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY: HALFF ASSOCIATES, INC., DATED JUNE 29, 2020.

WORK SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT BY ALLIANCE GEOTECHNICAL GROUP, DATED AUGUST 14, 2020.

STATE OF TEXAS — CLINT A. BISSETT — 93845 — LICENSED — PROFESSIONAL ENGINEER
08-16-21

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY CLINT A. BISSETT, P.E. 93845 ON 08/16/2021. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

NO.	DATE	REVISION
3	08/03/2022	PR-4 & PR-5 FIELD STORM MODIFICATION
2	06/23/2022	RFI#44
1	04/28/2022	RFI#39

Pacheco Koch
118 N. OHIO STREET
CELINA, TX 75009 214.451.2765
TX REG. ENGINEERING FIRM F-469
TX REG. SURVEYING FIRM LS-10008000

DEMOLITION PLAN

COLLIN COUNTY ADF - PHASE 1 ADDITION
COLLIN COUNTY JUSTICE CENTER
4300 COMMUNITY AVENUE
CITY OF MCKINNEY, COLLIN COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
CAB	DMR	AUGUST 2021	1"=30'			C100

PK-2477-20.345-DEMO.DWG PK FILE: 2477-20.345

UNOFFICIAL
8/8/2022 8:41 AM
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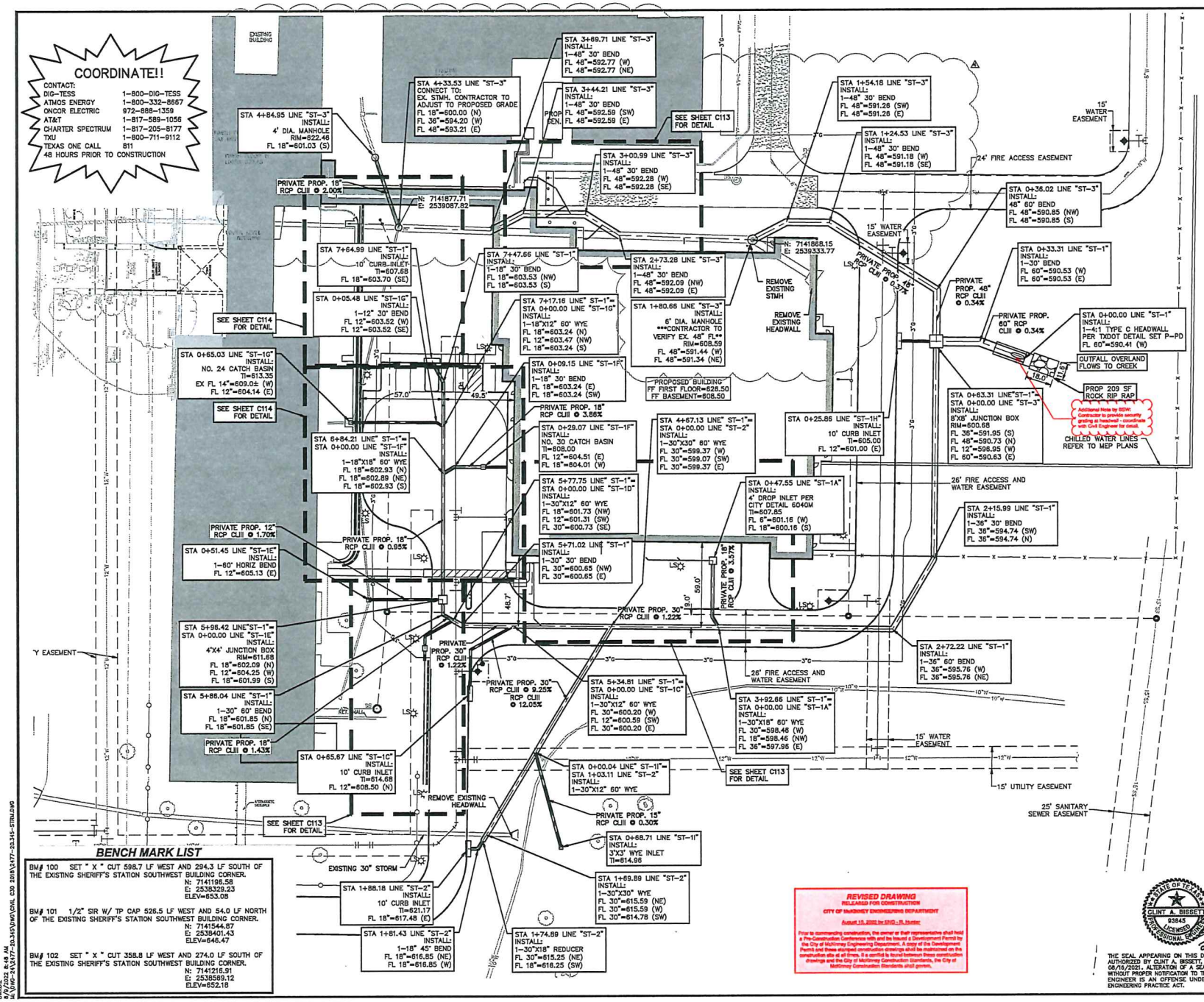

BENCH MARK LIST

BM# 100 SET " X " CUT 598.7 LF WEST AND 294.3 LF SOUTH OF THE EXISTING SHERIFF'S STATION SOUTHWEST BUILDING CORNER.
N: 7141196.58
E: 2538329.23
ELEV=653.08

BM# 101 1/2" SIR W/ TP CAP 526.5 LF WEST AND 54.0 LF NORTH OF THE EXISTING SHERIFF'S STATION SOUTHWEST BUILDING CORNER.
N: 7141544.87
E: 2538401.43
ELEV=646.47

BM# 102 SET " X " CUT 358.8 LF WEST AND 274.0 LF SOUTH OF THE EXISTING SHERIFF'S STATION SOUTHWEST BUILDING CORNER.
N: 7141216.91
E: 2538569.12
ELEV=652.18

REVISED DRAWING
RELEASED FOR CONSTRUCTION
CITY OF McKINNEY ENGINEERING DEPARTMENT
August 15, 2022 by SHD - FL Number
Prior to commencing construction, the owner or their representative shall hold a Pre-Construction Conference with and be issued a Development Permit by the City of McKinney Engineering Department. A copy of the Development Permit and these stamped construction drawings shall be maintained on the construction site at all times. If a conflict is found between these construction drawings and the City of McKinney Construction Standards, the City of McKinney Construction Standards shall govern.

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STATE OF TEXAS — CLINT A. BISSETT — 93845 — LICENSED PROFESSIONAL ENGINEER — 08-16-21

GRAPHIC SCALE IN FEET: 0 15 30 60 90

LEGEND

- BOLLARD
- ELECTRIC METER
- POWER POLE
- LIGHT STANDARD
- WATER METER
- WATER VALVE
- IRRIGATION CONTROL VALVE
- FIRE HYDRANT
- CLEANOUT
- MANHOLE
- TRAFFIC SIGNAL CONTROL
- TRAFFIC SIGNAL POLE
- TELEPHONE BOX
- FLOOD LIGHT
- FLAG POLE
- TRAFFIC SIGN
- IRS 1/2-INCH IRON ROD W/"PACHECO KOCH" CAP SET
- (C.M.) CONTROLLING MONUMENT
- PROPERTY LINE
- FENCE
- OVERHEAD UTILITY LINE
- EXISTING STORM LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND TELEPHONE LINE
- UNDERGROUND CABLE LINE
- 6"W UNDERGROUND WATER LINE
- 8"SS UNDERGROUND SANITARY SEWER LINE
- PROPOSED STORM LINE
- TI TOP OF INLET

GRADING & DRAINAGE GENERAL NOTES

1. REFER TO SHEET C105 FOR GRADING & DRAINAGE GENERAL NOTES.

NOTE: ALL ON-SITE STORM IS PRIVATELY OWNED AND MAINTAINED BY PROPERTY OWNER UNLESS NOTED OTHERWISE.

TOPOGRAPHIC INFORMATION SHOWN IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY: HALFF ASSOCIATES, INC., DATED JUNE 29, 2020.
WORK SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT BY ACHANCE GEOTECHNICAL GROUP, DATED AUGUST 14, 2020.

NO.	DATE	REVISION
4	08/03/2022	PR-4 & PR-5 FIELD STORM MODIFICATION
3	07/18/2022	RS1#44 WITH CITY COMMENTS
2	01/21/2022	2022-01-07 CITY COMMENTS
1	10/19/2021	2021-09-22 CITY COMMENTS

Pacheco Koch
118 N. OHIO STREET
COLINA, TX 75009 214.451.2785
TX REG. ENGINEERING FIRM F-469
TX REG. SURVEYING FIRM LS-10008000

STORM SEWER PLAN
COLLIN COUNTY ADF - PHASE 1 ADDITION
COLLIN COUNTY JUSTICE CENTER
4300 COMMUNITY AVENUE
CITY OF MCKINNEY, COLLIN COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
CAB	DMR	AUGUST 2021	1"=30'			C112

PK FILE: 2477-20.345 PK-2477-20.345-STRM.DWG

APPROVAL
08/03/2022 8:48 AM
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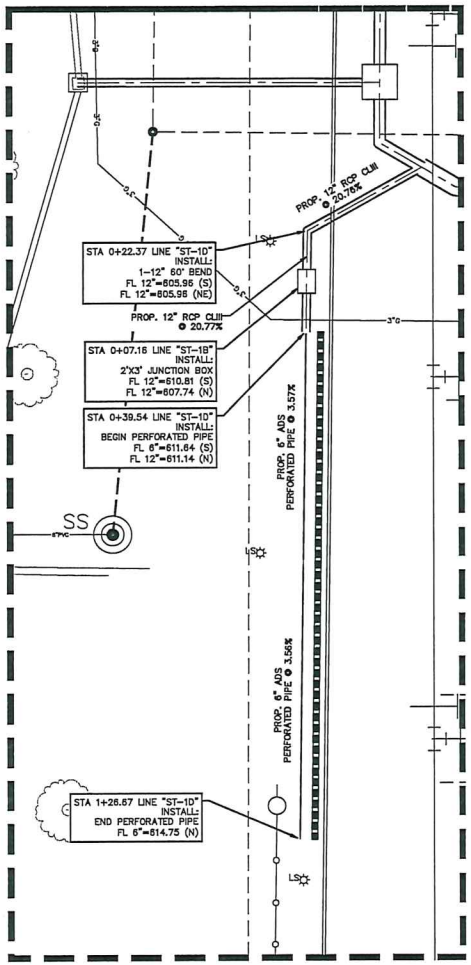
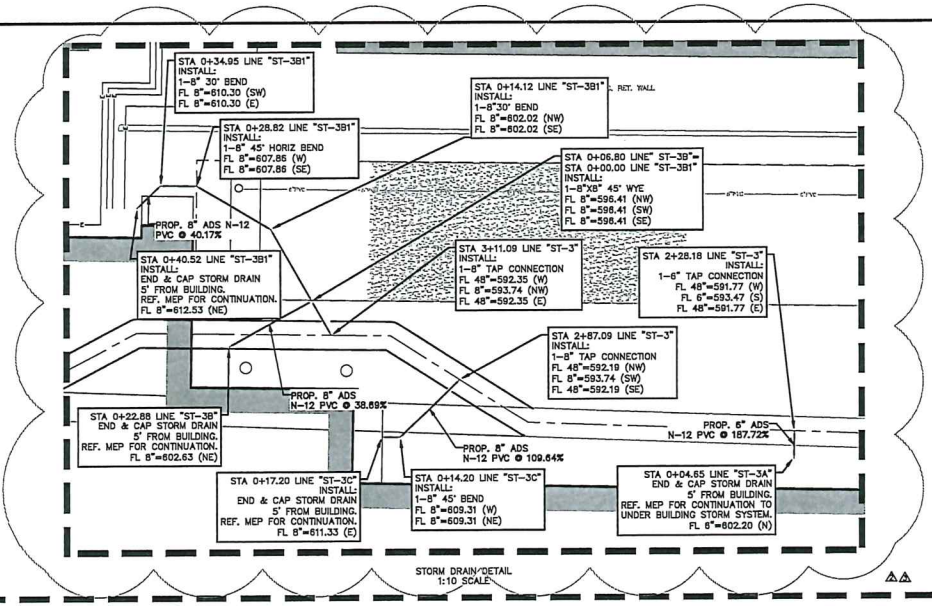
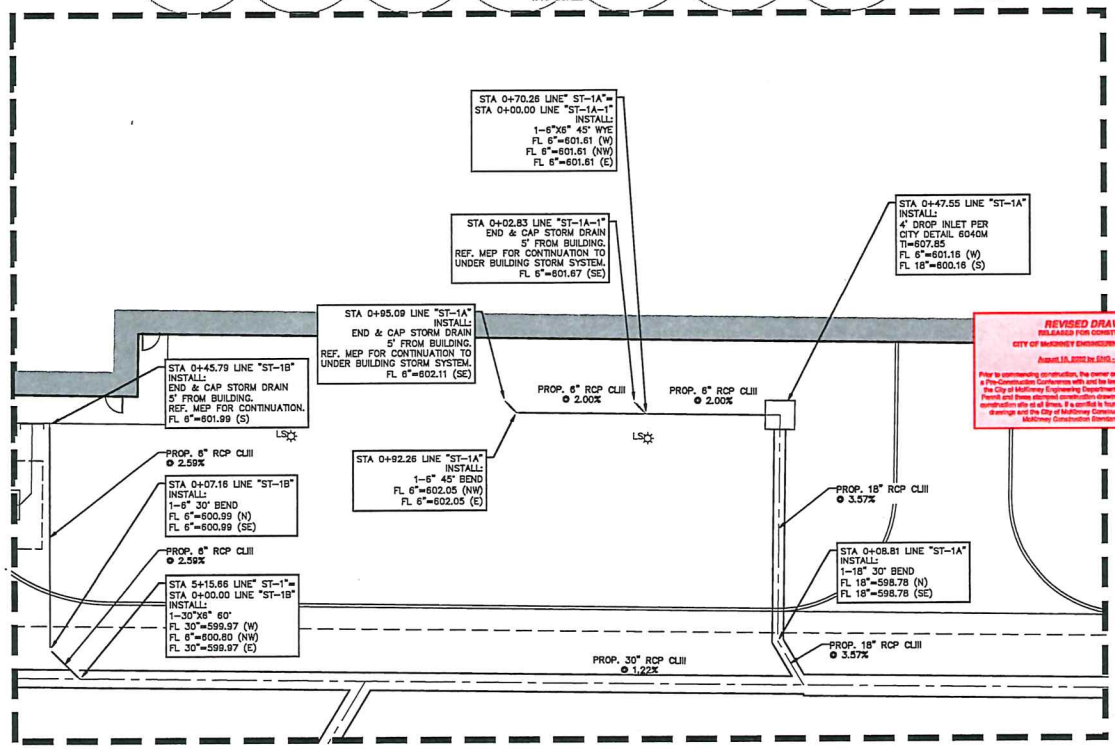


RETAINING WALL UNDER DRAIN DETAIL
1:10 SCALE



STORM DRAIN DETAIL
1:10 SCALE



STORM DRAIN DETAIL
1:10 SCALE

REVISED DRAWING
RELEASED FOR CONSTRUCTION
CITY OF McKINNEY ENGINEERING DEPARTMENT
August 18, 2022 by DHG - R. Hunter
Prior to commencing construction, the owner or their representative shall hold a Pre-Construction Conference with and be issued a Development Permit by the City of McKinney Engineering Department. A copy of the Development Permit and three stamped construction drawings shall be maintained on the construction site at all times. If a conflict is found between these construction drawings and the City of McKinney Construction Standards, the City of McKinney Construction Standards shall govern.

GRAPHIC SCALE IN FEET
0 5 10 20 30

LEGEND

	BOLLARD
	ELECTRIC METER
	POWER POLE
	LIGHT STANDARD
	WATER METER
	WATER VALVE
	IRRIGATION CONTROL VALVE
	FIRE HYDRANT
	CLEANOUT
	MANHOLE
	TRAFFIC SIGNAL CONTROL
	TRAFFIC SIGNAL POLE
	TELEPHONE BOX
	FLOOD LIGHT
	FLAG POLE
	TRAFFIC SIGN
IRS	1/2-INCH IRON ROD
(C.M.)	W/"PACHECO KOCH" CAP SET CONTROLLING MONUMENT
	PROPERTY LINE
	FENCE
	OVERHEAD UTILITY LINE
	EXISTING STORM LINE
	UNDERGROUND ELECTRIC LINE
	UNDERGROUND TELEPHONE LINE
	UNDERGROUND CABLE LINE
	UNDERGROUND WATER LINE
	UNDERGROUND SANITARY SEWER LINE
	PROPOSED STORM LINE
TI	TOP OF INLET

GRADING & DRAINAGE GENERAL NOTES

1. REFER TO SHEET C105 FOR GRADING & DRAINAGE GENERAL NOTES.

COORDINATE!!

CONTACT:	
DIG-TESS	1-800-DIG-TESS
ATMOS ENERGY	1-800-332-8667
ONCOR ELECTRIC	972-888-1359
AT&T	1-817-589-1058
CHARTER SPECTRUM	1-817-205-8177
TXU	1-800-711-9112
TEXAS ONE CALL	811
48 HOURS PRIOR TO CONSTRUCTION	

NOTE: ALL ON-SITE STORM IS PRIVATELY OWNED AND MAINTAINED BY PROPERTY OWNER UNLESS NOTED OTHERWISE.

STATE OF TEXAS
CLINT A. BISSETT
93845
LICENSED
PROFESSIONAL ENGINEER
08-16-21

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY CLINT A. BISSETT, P.E. 93845 ON 08/16/2021. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

NO.	DATE	REVISION
3	08/03/2022	PR-5 FIELD STORM MODIFICATION
2	07/18/2022	RFI#44 WITH CITY COMMENTS
1	10/19/2021	2021-08-22 CITY COMMENTS

Pacheco Koch
118 N. OHIO STREET
CELINA, TX 75009 214.451.2785
TX REG. ENGINEERING FIRM F-469
TX REG. SURVEYING FIRM LS-10008000

STORM SEWER PLAN

COLLIN COUNTY ADF - PHASE 1 ADDITION
COLLIN COUNTY JUSTICE CENTER
4300 COMMUNITY AVENUE
CITY OF MCKINNEY, COLLIN COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
CAB	DMR	AUGUST 2021	1"=10'			C113

PK FILE: 2477-20.345 PK-2477-20.345-STRM.DWG

BENCH MARK LIST

BM# 100 SET " X " CUT 598.7 LF WEST AND 294.3 LF SOUTH OF THE EXISTING SHERIFF'S STATION SOUTHWEST BUILDING CORNER.
N: 7141198.58
E: 2538329.23
ELEV=653.08

BM# 101 1/2" SIR W/ TP CAP 528.5 LF WEST AND 54.0 LF NORTH OF THE EXISTING SHERIFF'S STATION SOUTHWEST BUILDING CORNER.
N: 7141544.67
E: 2538401.43
ELEV=646.47

BM# 102 SET " X " CUT 358.8 LF WEST AND 274.0 LF SOUTH OF THE EXISTING SHERIFF'S STATION SOUTHWEST BUILDING CORNER.
N: 7141216.91
E: 2538569.12
ELEV=652.18

TOPOGRAPHIC INFORMATION SHOWN IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY: HALFF ASSOCIATES, INC., DATED JUNE 29, 2020.

WORK SHALL BE DONE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT BY ALLIANCE GEOTECHNICAL GROUP, DATED AUGUST 14, 2020.

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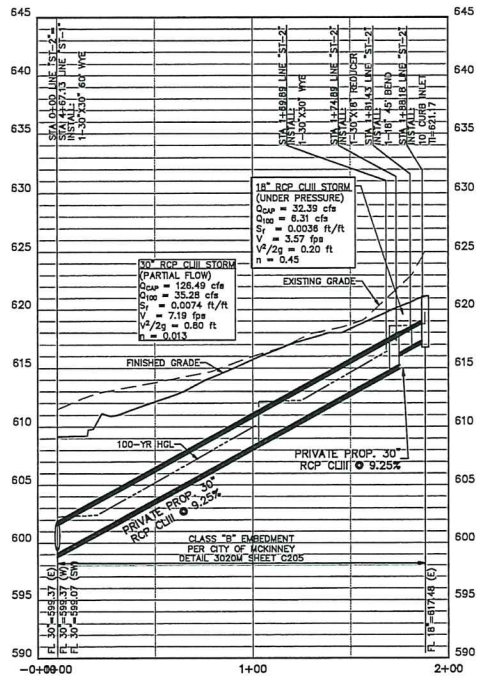
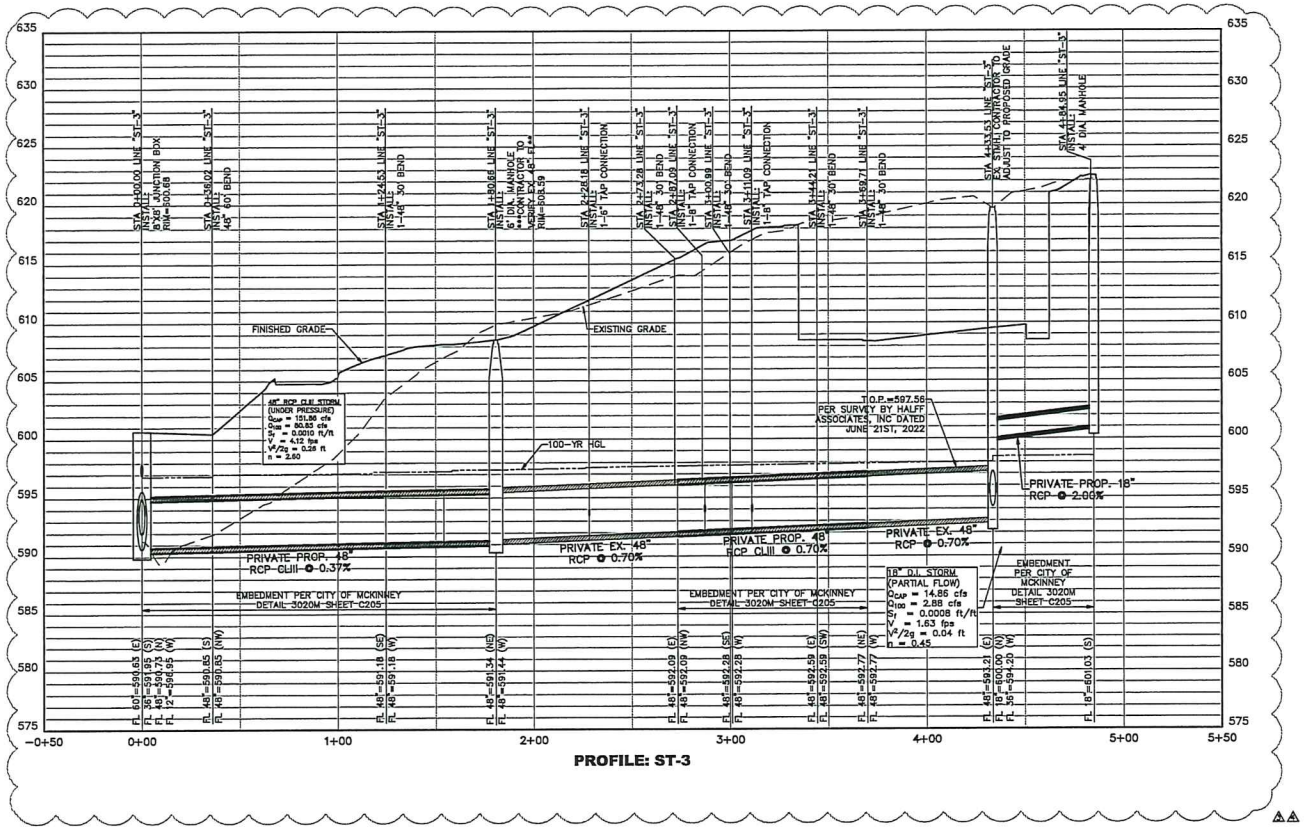


PROFILE: ST-2



PROFILE: ST-3

HORIZONTAL SCALE IN FEET: 0 15 30 60 90

VERTICAL SCALE IN FEET: 0 5 10 15

BENCH MARK LIST

BM# 100 SET " X " CUT 598.7 LF WEST AND 294.3 LF SOUTH OF THE EXISTING SHERIFF'S STATION SOUTHWEST BUILDING CORNER.
N: 7141196.58
E: 2538329.23
ELEV=653.08

BM# 101 1/2" SIR W/ TP CAP 526.5 LF WEST AND 54.0 LF NORTH OF THE EXISTING SHERIFF'S STATION SOUTHWEST BUILDING CORNER.
N: 7141544.87
E: 2538401.43
ELEV=646.47

BM# 102 SET " X " CUT 358.8 LF WEST AND 274.0 LF SOUTH OF THE EXISTING SHERIFF'S STATION SOUTHWEST BUILDING CORNER.
N: 7141216.91
E: 2538569.12
ELEV=652.18

TOPOGRAPHIC INFORMATION SHOWN IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY: HALFF ASSOCIATES, INC., DATED JUNE 29, 2020.
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REVISED DRAWING
RELEASED FOR CONSTRUCTION
CITY OF McKINNEY ENGINEERING DEPARTMENT
August 15, 2022 by ENG - B. Hunter
Prior to commencing construction, the owner or their representative shall hold a Pre-Construction Conference with and be issued a Development Permit by the City of McKinney Engineering Department. A copy of the Development Permit and these stamped construction drawings shall be maintained on the construction site at all times. If a conflict is found between these construction drawings and the City of McKinney Construction Standards, the City of McKinney Construction Standards shall govern.

NOTE: ALL ON-SITE STORM IS PRIVATELY OWNED AND MAINTAINED BY PROPERTY OWNER UNLESS NOTED OTHERWISE.

STATE OF TEXAS
CLINT A. BISSETT
83845
LICENSED
PROFESSIONAL ENGINEER
08-16-21

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NO.	DATE	REVISION
3	08/03/2022	PR-4 & PR-5 FIELD STORM MODIFICATION
2	07/18/2022	RFI#44 WITH CITY COMMENTS
1	01/21/2022	2022-01-07 CITY COMMENTS

Pacheco Koch
118 N. OHIO STREET
CELINA, TX 75009 214.451.2785
TX REG. ENGINEERING FIRM F-469
TX REG. SURVEYING FIRM LS-10008000

STORM SEWER PROFILE

COLLIN COUNTY ADF - PHASE 1 ADDITION
COLLIN COUNTY JUSTICE CENTER
4300 COMMUNITY AVENUE
CITY OF MCKINNEY, COLLIN COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
CAB	DMR	AUGUST 2021	1"=30' V:1"=5'			C118.1

PK FILE: 2477-20.345

PK-2477-20.345-STRM.DWG

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shaping the built environment

100 GLASS STREET, DALLAS, TEXAS 75207
214 752 9098 PHONE
JQENG.COM

Observation Report

Date:	0.03.22
Project:	**COLLIN COUNTY ADF -PHASE 1 ADDITION** 4300 COMMUNITY AVE, MCKINNEY, TX 75071
JQ Project #:	3200110
Attending:	Mike Lavi / JQ Brian Odom / Ratcliff Constructors Brad Harris / Collin County Construction and Projects
CC:	Michael Woods / BSW Architects
Report By:	Selva Viswanathan, PE Texas Registered Engineering Firm: 1294

Job / Weather Conditions:
Sunny, 95 degrees +/-, windy, and no precipitation.

Progress of Work:
The purpose of this site visit on was to review the installed concrete piers that conflicted with the RCP storm drain. Our observation was limited to the exposed portions and any comments we provide in this report will be limited to these observations.

- See **Photograph 1** for overall progress at the site.
- At the time of observation, the damaged RCP had been removed and the new pipes for the re-routing were being installed.
- Soil had been removed to the bottom of the RCP so that it could be repaired.

Observations / Comments:

1. **Sonotubes:** Sonotubes were installed during pier installation to ensure concrete did not seep out into the pipe. See **Photograph 2, 3, and 4.**

   Comment: *JQ suggests removing all of the sonotube material before backfilling the soils around the pier.*

2. **Extra Concrete below Sonotube:** At one pier location it appears that the sonotube was not installed far enough into the soil below so there is some extra concrete that spilled out during the concrete pour. See **Photograph 5**.

   Comment: *All excess concrete shall be chipped out around the pier so that it has the diameter shown in the contract documents. Care shall be taken to not damage the pier of the reinforcing.*

3. **Backfill and Compact:** Once the RCP has been re-routed and repairs have been completed JQ suggesting backfilling around the pier and compacting the soils. Backfill procedures shall be per the Geotechnical report.

4. **Exposed Pier Reinforcing:** One pier was observed to have exposed reinforcing on the side of the concrete. Concrete around the reinforcing does not appear to be properly consolidated. Concrete also does not appear to have been fully poured to the top of pier elevation. See **Photograph 6.**

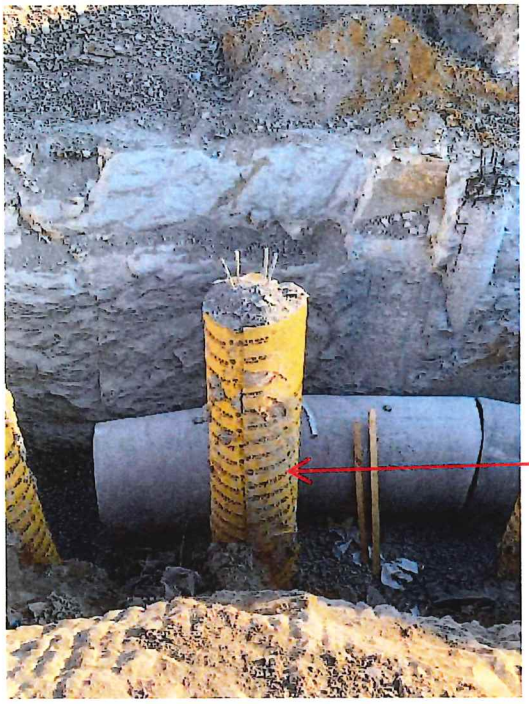
   Comment: *Contractor shall chip out all un-sound concrete and repair the pier per the attached detail. Pier shall be poured up to the proper top of pier elevation per the contract documents.*

- Above mentioned comments were discussed with the GC personnel on site.

Note: Periodic structural observations by field representatives of JQ are solely to determine if the work is proceeding in general conformance with the structural contract documents. This limited site observation is not intended to be a check of the quality or quantity of the work and are not a substitute for special inspections. Other work was in progress on this date which was not observed by JQ.

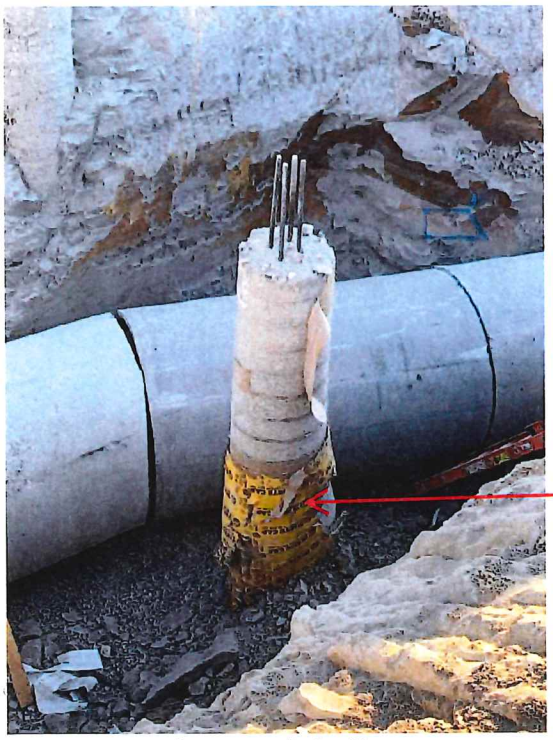
Photograph 1 – Overall Progress of the site

Photograph 2 – Pier



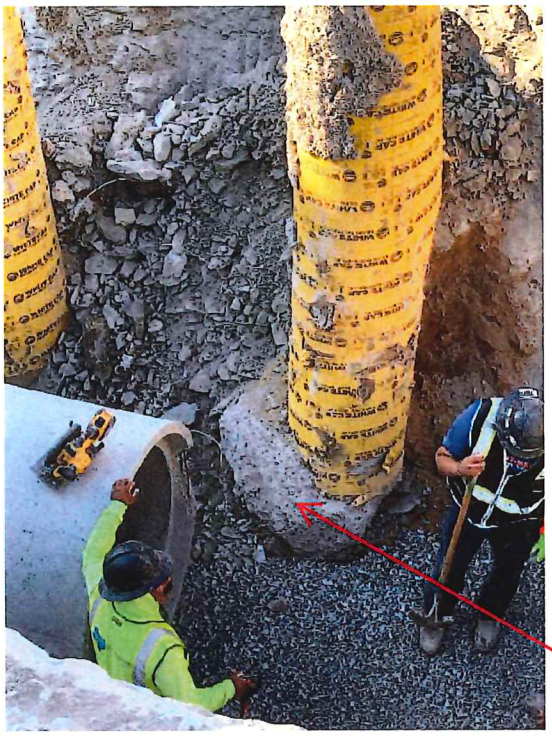
REMOVE SONOTUBE BEFORE BACKFILLING THE SOIL

Photograph 3– Pier



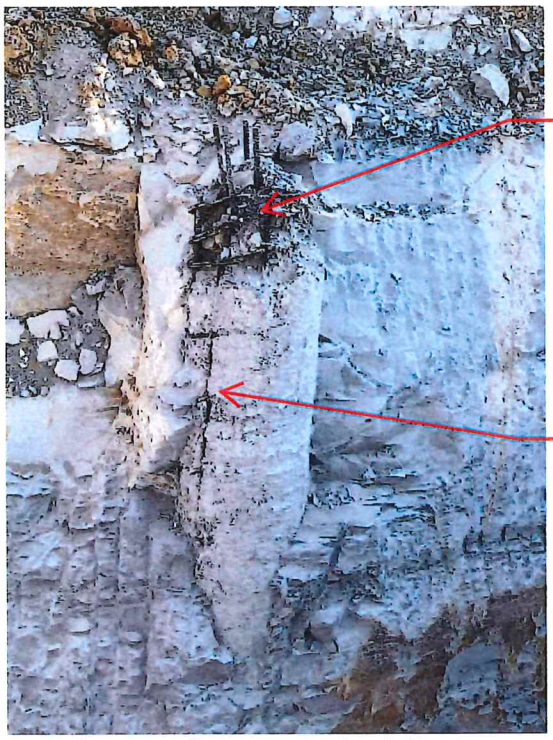
REMOVE SONOTUBE BEFORE BACKFILLING THE SOIL

Photograph 4– Pier



CHIP OUT CONCRETE AS STATED IN THE REPORT

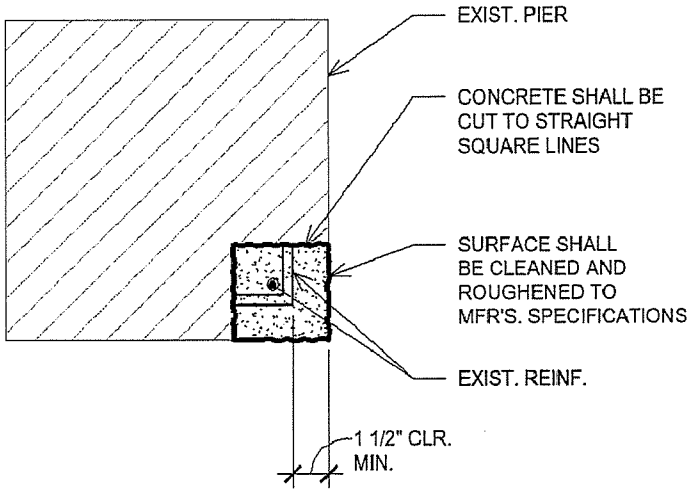
Photograph 5– Excess Concrete Below Sonotube



PIER TO BE REPAIRED TO THE PROPER TOP OF PIER ELEVATION

PIER TO BE REPAIRED PER THE ATTACHED DETAIL

Photograph 6– Exposed Reinforcing



COLUMN REPAIR WITH EXPOSED REINFORCING

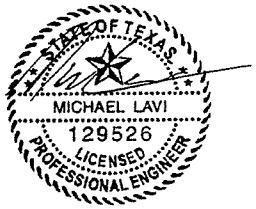
REPAIR MORTAR NOTES

1. CONCRETE REPAIR MORTAR SHALL BE EQUAL TO "SIKATOP 123" NON-SAG MORTAR BY THE SIKA CORPORATION.
2. ALL SURFACES TO WHICH CONCRETE REPAIR MORTAR IS TO BE APPLIED SHALL HAVE ALL LOOSE AND UNSOUND MATERIAL REMOVED. SURFACE PREPARATION SHALL BE IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATIONS. WIREBRUSH, POWER TOOL BRUSH, OR SANDBLAST ANT EXPOSED RUSTED REINFORCING STEEL TO REMOVE LOOSE RUST.
3. AT PERIMETER OF AREA TO BE REPAIRED, CHIP OUT EXISTING CONCRETE TO A MINIMUM DEPTH OF 3/8". DO NOT FEATHER REPAIR MORTAR AT EDGES
4. COMPLY WITH ALL HANDLING, MIXING, PLACING AND CURING REQUIREMENTS AS SPECIFIED BY THE REPAIR MORTAR MANUFACTURER.
5. APPLY SCRUB COAT OF REPAIR MORTAR TO SATURATED SURFACE DRY CONCRETE IN ACCORDANCE TO PRODUCT SPECIFICATIONS.
6. PRIME REINFORCING STEEL WITH "SIKA ARMATEC 110" BONDING AGENT IN ACCORDANCE TO MANUFACTURER'S INSTRUCTIONS.
7. FINISH REPAIR MORTAR TEXTURE TO MATCH TEXTURE OF SURROUNDING CONCRETE

15 TYPICAL SPALL REPAIR DETAILS

SCALE:NO SCALE

08/03/2021



shaping the built environment — JQ ENGINEERING, LLP, 108 WILD BASIN RD, SUITE 350, 512.474.9094, AUSTIN, TEXAS 78746, JQENG.COM, PROJECT NO: 3200110, TBPE FIRM F-1294	PROJECT	CCADF - PHASE 1 ADDITION		
	CLIENT	BSW ARCHITECTS		
	REF.	REV.	DATE 08/03/22	SHEET