



PCO #018

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 #018: PR 4/4R Storm & Structural Revisions

TO:	Collin County 4600 Community Avenue McKinney Texas, 75071	FROM:	Ratcliff Constructors, LP 4200 Beltway Drive Addison Texas, 75001
PCO NUMBER/REVISION:	018 / 3	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:	\$107,231.30

POTENTIAL CHANGE ORDER TITLE: PR 4/4R Storm & Structural Revisions

CHANGE REASON: Client Request

POTENTIAL CHANGE ORDER DESCRIPTION: *(The Contract Is Changed As Follows)*
 PR 4/4R Storm & Structural Revisions

Provide for additional work required to complete all work associated with PR#4/4R.

Additionally, pricing is included to backfill and compact the existing drainage ditch on the north east side of the site. This work was completed prior to the flood event (5/5/22) and had to be excavated to release water build up from the storm event. Contractor is charging to backfill and compact for a second time.

3/20/23 - REVISED PCO removing delay days and Ratcliff general conditions. Per meeting with Collin County on 3/17/23, Ratcliff will address delay days in separate correspondence. This revised PCO includes sub contractors costs and Ratcliff's fee (10.00%) for PR #4/4R ONLY.

ATTACHMENTS:

#	Cost Code	Description	Type	Amount
1	33-100 - Site Drainage Utilities	Storm Revisions	Subcontractor	\$ 71,039.82
2	03-300 - Concrete	Added Grade Beams	Subcontractor	\$ 5,022.18
3	02-205 - Erosion Control	Backfill Drainage Ditch Second Time	Subcontractor	\$ 21,421.00
4		Ratcliff Fee (10.00%)		\$ 9,748.30
Subtotal:				\$107,231.30
Grand Total:				\$107,231.30

**Michael Woods (Brinkley Sargent
Wiginton Architects)**

5000 Quorum Drive, Suite 600
Dallas Texas 75254



3-20-2023

SIGNATURE

DATE

Collin County

4600 Community Avenue
McKinney Texas 75071

SIGNATURE

DATE

Ratcliff Constructors, LP

4200 Beltway Drive
Addison Texas 75001



3/20/23

SIGNATURE

DATE

Project: COLLIN COUNTY DETENTION CENTER

Location: MCKINNEY, TX

Date: August 22, 2022

Addendum: RFI #44 CHANGE ORDER Revised



JER: 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	60" CLASS 3 RCP	60	LF	\$325.00	\$19,500.00	
2	48" CLASS 3 RCP	176	LF	\$152.00	\$26,752.00	
3	18" CLASS 3 RCP	50	LF	\$40.00	\$2,000.00	
4	8" S40 PVC PIPE	135	LF	\$14.00	\$1,890.00	
5	6" S40 PVC PIPE	10	LF	\$12.00	\$120.00	
6	6' DIA MANHOLE X 18' DEEP (CIP)	1	EA	\$12,500.00	\$12,500.00	
7	4' DIA MANHOLE X 22' DEEP (CIP)	1	EA	\$9,800.00	\$9,800.00	
8	ADJUST EXISTING MANHOLE TO GRADE	1	EA	\$1,500.00	\$1,500.00	
9	6'X6.' JUNCTION BOX X 10' DEEP (CIP)	1	EA	\$10,200.00	\$10,200.00	
10	60" PRECAST HEADWALL 4:1 SLOP	1	EA	\$9,500.00	\$9,500.00	
****LABOR ****						
11	5 MAN CREW PER DAY	10	EA	\$1,441.00	\$14,410.00	
****EQUIPMENT****						
12	EXCAVATOR (2 WEEK)	1	EA	\$3,500.00	\$3,500.00	
13	FRONT LOADER (2 WEEK)	1	EA	\$1,875.00	\$1,875.00	
14	COMPACTION ROLLER (2 WEEK)	1	EA	\$1,000.00	\$1,000.00	
****OH&P****						
15	OH & P (10%)	1	EA	\$11,454.70	\$11,454.70	\$126,001.70
****CREDIT FROM PR #1 C112****						
1	18" RCP	225	LF	\$40.00	\$9,000.00	
2	21" RCP	265	LF	\$42.00	\$11,130.00	
3	12" RCP	30	LF	\$26.00	\$780.00	
4	8" PVC	125	LF	\$14.00	\$1,750.00	
5	6" PVC	21	LF	\$12.00	\$252.00	
6	5X5 JUNCTION BOX	1	EA	\$6,520.00	\$6,520.00	
7	42" HEADWALL	1	EA	\$4,500.00	\$4,500.00	\$33,932.00
-----TURNER FEES-----						
RE STOCKING FEE PER LOAD						
	18" RCP	4	EA	\$500.00	\$2,000.00	
	21" RCP	5	EA	\$500.00	\$2,500.00	
	12" RCP	1	EA	\$500.00	\$500.00	
PICK-UP FEE PER TRUCK						
	18" RCP	4	EA	\$350.00	\$1,400.00	
	21" RCP	5	EA	\$350.00	\$1,750.00	
	12" RCP	1	EA	\$350.00	\$350.00	\$8,500.00

Grand Total : ~~\$400,569.70~~

Approved By: _____
Sign: _____
Date: _____

Sincerely,
Brenan Phelps
972-814-1428

\$126,001.70
(\$33,932.00) (MATERIAL CREDIT)
(\$21,029.88) (LABOR CREDIT SEE BACK-UP)
= \$71,039.82

Project: COLLIN COUNTY DETENTION CENTER

Location: MCKINNEY, TX

Date: November 14, 2022

Addendum: Credit



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

PROJECT MANAGER: Kevin Walters 903-217-2198 Email. Kevin@dfsutilities.com

Credits Per Email/Discussion

Item	Description	Quantity		Pricing	Total
	****CREDIT****				
1	Demo Existing Storm	326	LF	(\$37.94)	(\$12,368.44)
2	Demo 4' Drop Inlet	1	EA	(\$1,164.56)	(\$1,164.56)
3	Install 18" RCP	30	LF	(\$69.60)	(\$2,088.00)
4	Install 4' Drop Inlet	1	EA	(\$5,408.88)	(\$5,408.88)
Subtotal For Storm Drain :				(\$21,029.88)	

Grand Total : \$ (21,029.88)

Additional Costs If Needed

1	Payment & Performance bond to Owner or GC		LS		
2	Haul off of Spoils		CY		

Pricing Includes the following items:

- Staking
- One Mobilization
- Trench Safety
- Sales Tax (On Material)
- Import of Select Material For Embedment

Pricing Excludes the following items:

- City Bonds
- TxDot Permits
- Water Fees and/or Deposits
- Conduits or Sleeves for other trades
- Landscaping, seeding or sod
- Tree removal or replacement
- Additional Mobilization
- Locate of Private Utilities
- Raven Lining of Sewer Manhole
- Inlet protection
- City Permits
- Relocation of Existing Utilities
- Roof Drain Connections
- Erosion Control
- Removal & Replacement of Paving
- Plumbers Permits
- Rock Excavation
- Camera Testing
- Flowable Fill

Additional Qualifications:

- Utilities placed to within 5' of building. Private piping to be done under plumbers permit.
- We propose to provide Equipment, labor & Material to preform the above Operations
- Cost per task are not stand alone. If you request partial bids pricing will change due to allocations.
- THIS QUOTE IS VOID AFTER 30 DAYS FROM PROPOSED DATE

Approved By: _____
 Sign: _____
 Date: _____

Sincerely,
 Brenan Phelps
 972-814-1428



11120 South Pipeline Road
 Euless, Texas 76040
 Office: (817) 267-4788 ext. 203
 Cell: (214) 878-6331
 Fax: (817) 267-4548

PC 006

2329 — Collin County Adult Detention Facility, PH 1 Subject: PR #4 - GRADE BEAM ADDITIONS

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

Number: 2329-PC 006
Revision Number: 0
 Date: 8/2/2022
 Work Type: Price / Do Not Proceed
 Days Valid: 5

Return To John Moulden
 Sizelove Construction
 11120 S. Pipeline Rd
 Euless, TX 76040
 8172674788
 6822408778
 johnm@sizeloveconstruction.com

Details

Breakout

Labor :	\$1,746.92
Material :	\$2,768.70
Subcontractor :	\$50.00
Overhead :	\$456.56
Total:	\$5,022.18

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.

DESCRIPTION

PR #4 - GRADE BEAM AND PIER ADDITION

ITEM	QTY.	UNIT	LABOR	UNIT	MATERIAL	SUBS.
LABOR						
FORMING ADDED GRADE BEAMS	130	SF	\$4.62		\$3.39	\$440.70
INSTALLING ADDED REBAR IN GRADE BEAM	1,088	LBS	\$0.85			
VERTICAL CONCRETE PLACEMENT	8	CY	\$27.69			
SUMMARY						
ENGINEERING (SHOP DRAWINGS)						
ENGINEERING & LAYOUT						
POINT & PATCH (CSF)						
PRINTING OF DRAWINGS						
MATERIALS						
REINFORCING	1,088	LBS			\$1.00	\$1,088.00
CONCRETE	8	CYS			\$155.00	\$1,240.00
EQUIPMENT/SUBS						
CONCRETE SURCHARGES - FUEL	1	TRK	\$50.00			\$50.00

NOTES:

ADDED PIER WILL BE CAPTURED DURING RECONCILIATION USING UNIT RATES

	\$1,746.92		\$2,768.70	\$50.00
SALES TAX				N/A
TOTAL MATERIAL			\$2,768.70	N/A
TOTAL LABOR			\$1,746.92	N/A
TOTAL SUBS			→→→→→	\$50.00
TOTAL COST			\$4,515.62	\$50.00
10% OVERHEAD			\$451.56	\$5.00
			\$4,967.18	\$55.00
0% FEE				
			\$4,967.18	\$55.00
0% BOND				
			\$4,967.18	\$55.00
GRAND TOTAL			\$5,022.18	

PC6



The Holbrook Company, Inc.
 3430 High Prairie Road
 Grand Prairie, TX 75050-4225
 972.399.0007 office
 972.399.0008 fax
 www.theholbrookcompany.com

Date: 13 July 2022
 update 19 July 22
 rev 25 July 22

Change order: co6262i revised

Ratcliff Constructors
 4200 Beltway Dr
 Addison, TX 75001
 Tel (972) 432-9969
 Fax (972) 432-9943
 Attention: Chris Perry Jr.

Collin Cty Adult Detention Center
 2300 Community Ave
 McKinney, TX

Pricing for additional work required to backfill the temporary drainage ditch located at the NWC of the pad. Unit pricing only, actual quantities to be invoiced upon completion. Revised to reflect actual quantities.

Quantity	Unit	Description	Unit price	Total
2	each	large tractor mobilization	\$1,300.00	\$2,600.00
46	hour	track hoe w/ operator	\$315.00	\$14,490.00
4	hour	compactor w/ operator	\$145.00	\$580.00
0	hour	water truck w/ operator	\$145.00	\$0.00
44	hour	laborer	\$41.00	\$1,804.00

Subtotal:	\$19,474.00
OH&P at 10%:	\$1,947.00
Total for this change order:	\$21,421.00

Approved via email by Chris Perry Jr. 7/14/2022

PROPOSAL REQUEST

Distribution: OWNER ARCHITECT CONSULTANT CONTRACTOR FIELD OTHER

PROJECT: Collin County Adult Detention Facility PROPOSAL REQUEST 04R
4300 Community Avenue
McKinney, TX 75071

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 FOR: General Construction

CONTRACT DATE: 11/10/2021

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 plans relating to changes to ST-1 and ST-3. Also refer to the revised structural plan for revised pier locations due to the existing Storm line being located under the building. There is (1) P2 pier being added due to this change, please PROCEED with the drilling of this pier per unit pricing established in the Contract at \$68/ft.

*Please note that these piers related to this change were already drilled on 7-20-2022. These piers were intended to miss/clear the 48" RCP close to this area; however, the RCP was hit during drilling operations. At this time, we are still proceeding with the structural drawings included in this PR. The RCP line that was damaged as a result of the pier drilling is being re-routed (in PR # 5 documents) and has already taken place and installed to date. The drilled piers in the RCP have already been reviewed by the structural engineer and are acceptable. All pricing related to the re-route of the Storm line that was damaged due to pier drilling needs to be included in PR # 5; however, the pricing for the additional pier and added beams needs to be included in PR # 4R.

ADDITIONAL PIER CAPTURED IN PIER RECONCILIATION (PCO 34R2)

Attachments: N/A

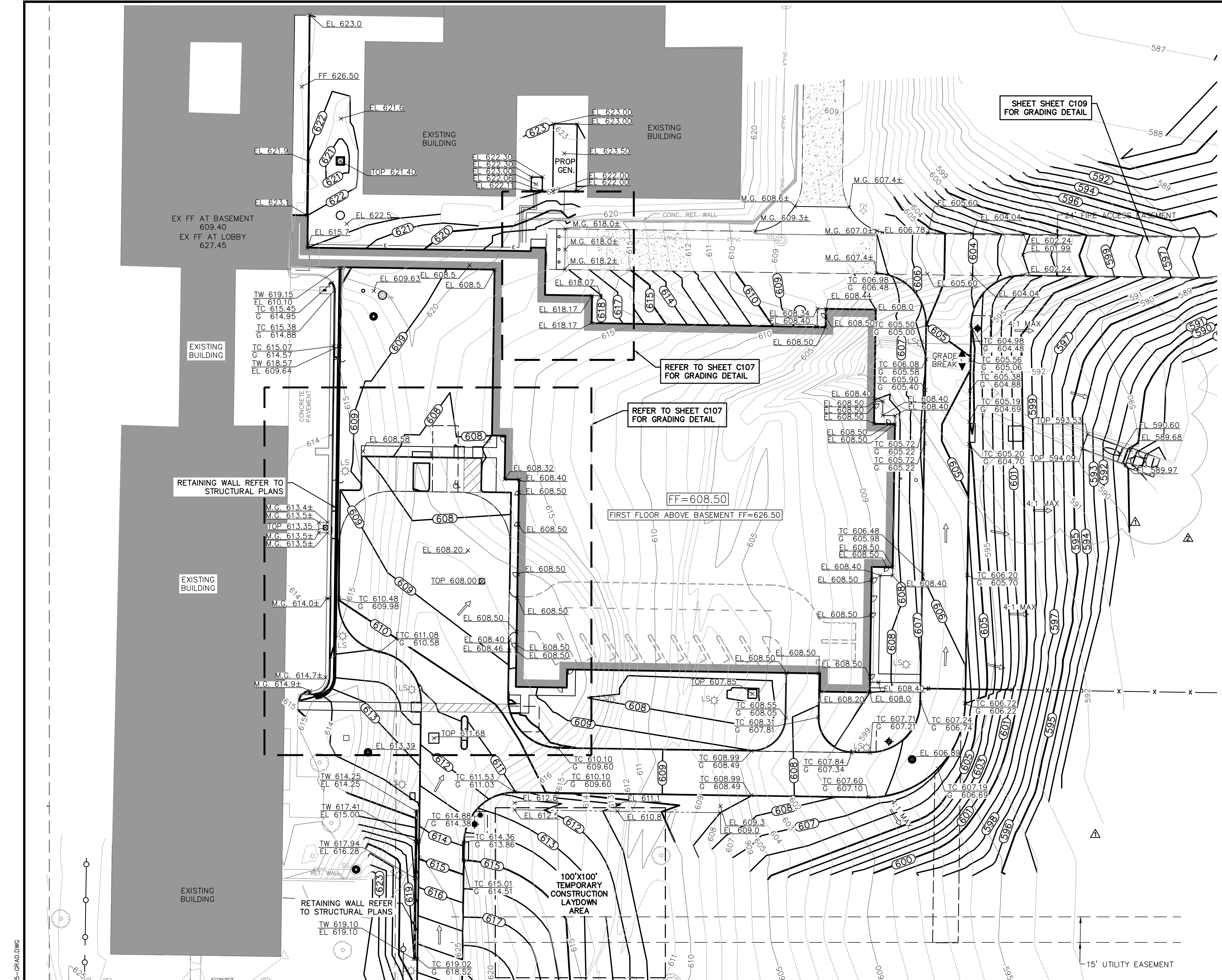
Drawings: C105, C110, C111, C115, C118, S202, S308

Specifications: N/A

END OF PROPOSAL REQUEST 04R

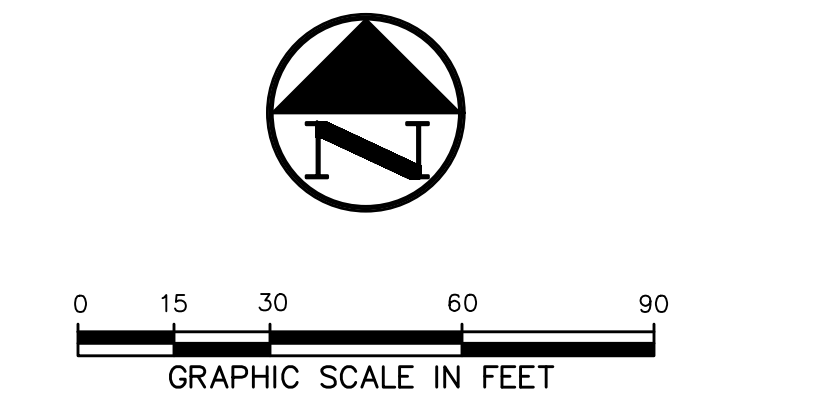
ISSUED: BRINKLEY SARGENT WIGINTON ARCHITECTS
By: Michael Woods August 12, 2022

ARCHITECT DATE



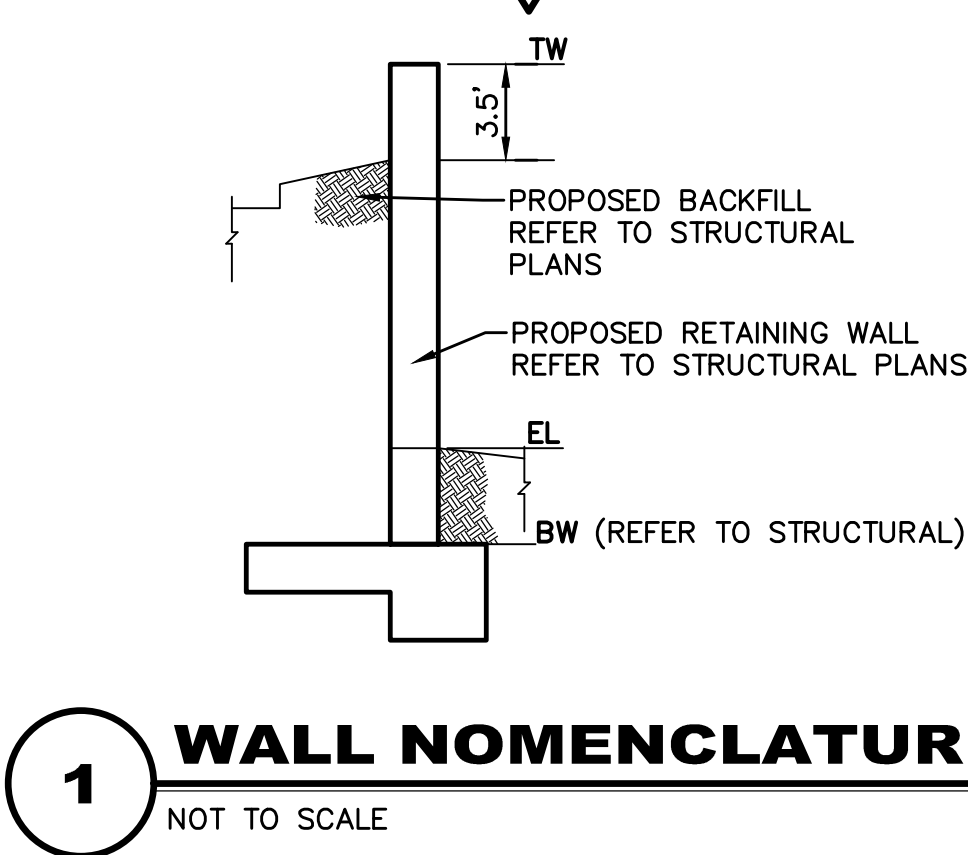
COORDINATE!!

CONTACT:
 DIG-TESS 1-800-DIG-TESS
 ATMOS ENERGY 1-800-332-8667
 ONCOR ELECTRIC 972-888-1359
 AT&T 1-817-589-1056
 CHARTER SPECTRUM 1-817-205-8177
 TXU 1-800-711-9112
 TEXAS ONE CALL 811
 48 HOURS PRIOR TO CONSTRUCTION



LEGEND

B.	BOLLARD
EM	ELECTRIC METER
PP	POWER POLE
LS	LIGHT STANDARD
WM	WATER METER
WV	WATER VALVE
ICV	IRRIGATION CONTROL VALVE
FD	FIRE HYDRANT
CO	CLEANOUT
MH	MANHOLE
TSC	TRAFFIC SIGNAL CONTROL
TSP	TRAFFIC SIGNAL POLE
TELE	TELEPHONE BOX
F	FLOOD LIGHT
FP	FLAG POLE
TR	TRAFFIC SIGN
IRS	1/2-INCH IRON ROD
(C.M.)	W/"PACHECO KOCH" CAP SET
---	CONTROLLING MONUMENT
---	PROPERTY LINE
---	FENCE
---	OVERHEAD UTILITY LINE
---	EXIST CONTOUR
---	EXIST SPOT ELEVATION
---	EXIST TOP OF CURB ELEVATION
---	EXIST GUTTER ELEVATION
---	PROPOSED CONTOUR
---	PROPOSED TOP OF CURB ELEVATION
---	PROPOSED GUTTER ELEVATION
---	PROPOSED SPOT ELEVATION
---	PROPOSED TOP OF WALL ELEVATION
M.G.	MATCH EXISTING GRADE
---	PROPOSED SWALE
---	PROPOSED GRADE BREAK
---	PROPOSED DRAINAGE FLOW DIRECTION



GRADING & DRAINAGE GENERAL NOTES

- REFER TO GEOTECHNICAL REPORT FOR REQUIREMENTS REGARDING FILL COMPACTION AND MOISTURE CONTENT.
- UNLESS NOTED, ALL FILL IS TO BE COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY WITHIN 3% OF OPTIMUM MOISTURE CONTENT. FILL TO BE PLACED IN MAXIMUM LIFTS OF 6 INCHES.
- SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A RUNNING SLOPE NO GREATER THAN 5% (UNLESS OTHERWISE NOTED) AND A CROSS SLOPE NO GREATER THAN 2%.
- GRADING OF ALL HANDICAPPED SPACES AND ROUTES TO CONFORM TO FEDERAL, STATE, AND LOCAL GUIDELINES.
- ALL PROPOSED AND EXISTING GRADES IN NON-PAVED AREAS ARE "FINISHED GRADE" (i.e. IN LANDSCAPE BEDS, TOP OF MULCH/BEDDING MATERIAL).
- UNLESS NOTED, STORM DRAIN LINES SHALL BE OF THE FOLLOWING MATERIALS AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS:
 6.A. RCP C-76, CLASS III
 6.B. ADS N-12
- UNLESS NOTED, GRATE INLETS TO BE "FORTERRA PIPE AND PRECAST" CATCH BASIN SIZED AS SHOWN, OR APPROVED EQUAL.
- FINAL PAVING, CURB, AND SIDEWALK ELEVATIONS WILL BE PLACED AT PLUS OR MINUS 0.03 FOOT.
- REFER TO LANDSCAPE SPECIFICATIONS FOR SEEDING AND SODDING REQUIREMENTS.
- ANY CONCRETE, ROCK, OR MATERIAL DEEMED BY THE ENGINEER TO BE UNSUITABLE FOR SUBGRADE SHALL BE DISPOSED OF OFFSITE AT CONTRACTOR'S EXPENSE.
- TRENCH BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 504.2 AND SHALL BE MECHANICALLY COMPACTED IN 6-INCH LIFTS TO THE TOP OF SUBGRADE TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY IN ACCORDANCE WITH NCTCOG ITEM 504.5 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
- EMBEDMENT SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 504.5 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
- A ROUND MANHOLE COVER MEETING CITY SPECIFICATIONS SHALL BE PLACED IN ALL INLET TOPS NEAR THE OUTLET PIPE.
- ALL CONCRETE FOR INLETS AND DRAINAGE STRUCTURES SHALL CONFORM TO NCTCOG ITEM 702.2.4, CLASS "A" (3000 PSI) UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN STANDARD CITY SPECIFICATIONS.
- CRUSHED STONE BEDDING OR APPROVED EQUAL SHALL BE PROVIDED BY THE CONTRACTOR WHEN ROCK IS ENCOUNTERED IN TRENCHES. THERE SHALL BE NO ADDITIONAL PAY ITEM FOR CRUSHED STONE BEDDING.
- IF REQUIRED DUE TO CONSTRUCTION, POWER POLES TO BE BRACED OR RELOCATED AT CONTRACTOR'S EXPENSE.

CONTRACTOR IS RESPONSIBLE FOR MEETING ALL BONDING REQUIREMENTS FOR WORK IN THE CITY OF MCKINNEY AS WELL AS ALL FEES REQUIRED BY THE CITY FOR CONSTRUCTION OF THE SIDE CIVIL IMPROVEMENTS.

BENCH MARK LIST

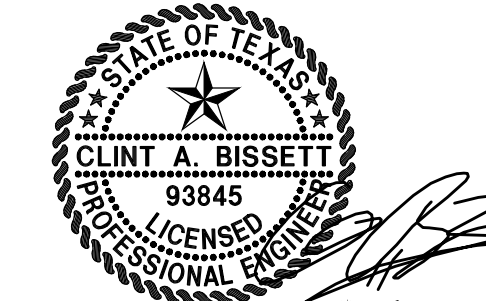
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BM# 101	1/2" SIR W/ TP CAP 526.5 LF WEST AND 54.0 LF NORTH OF THE EXISTING SHERIFF'S STATION SOUTHWEST BUILDING CORNER. N: 7141544.87 E: 2538401.43 ELEV=646.47
BM# 102	SET " X " CUT 358.8 LF WEST AND 274.0 LF SOUTH OF THE EXISTING SHERIFF'S STATION SOUTHWEST BUILDING CORNER. N: 7141216.91 E: 2538569.12 ELEV=652.18

REVISED DRAWING
 RELEASED FOR CONSTRUCTION
 CITY OF MCKINNEY ENGINEERING DEPARTMENT
 July 19, 2022 by ENG - 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 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.

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.



NO.	DATE	REVISION
▲	06/23/2022	RFI#44
▲	10/19/2021	2021-09-22 CITY COMMENTS

Pacheco Koch
 118 N. OHIO STREET
 CELINA, TX 75009 214.451.2765
 TX REG. ENGINEERING FIRM F-469
 TX REG. SURVEYING FIRM LS-1008000

GRADING PLAN

COLLIN COUNTY ADF - PHASE 1 ADDITION

COLLIN COUNTY JUSTICE CENTER

4300 COMMUNITY AVENUE

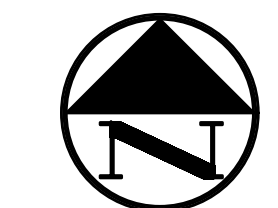
CITY OF MCKINNEY, COLLIN COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
CAB	DMR	AUGUST 2021	1"=30'			C105

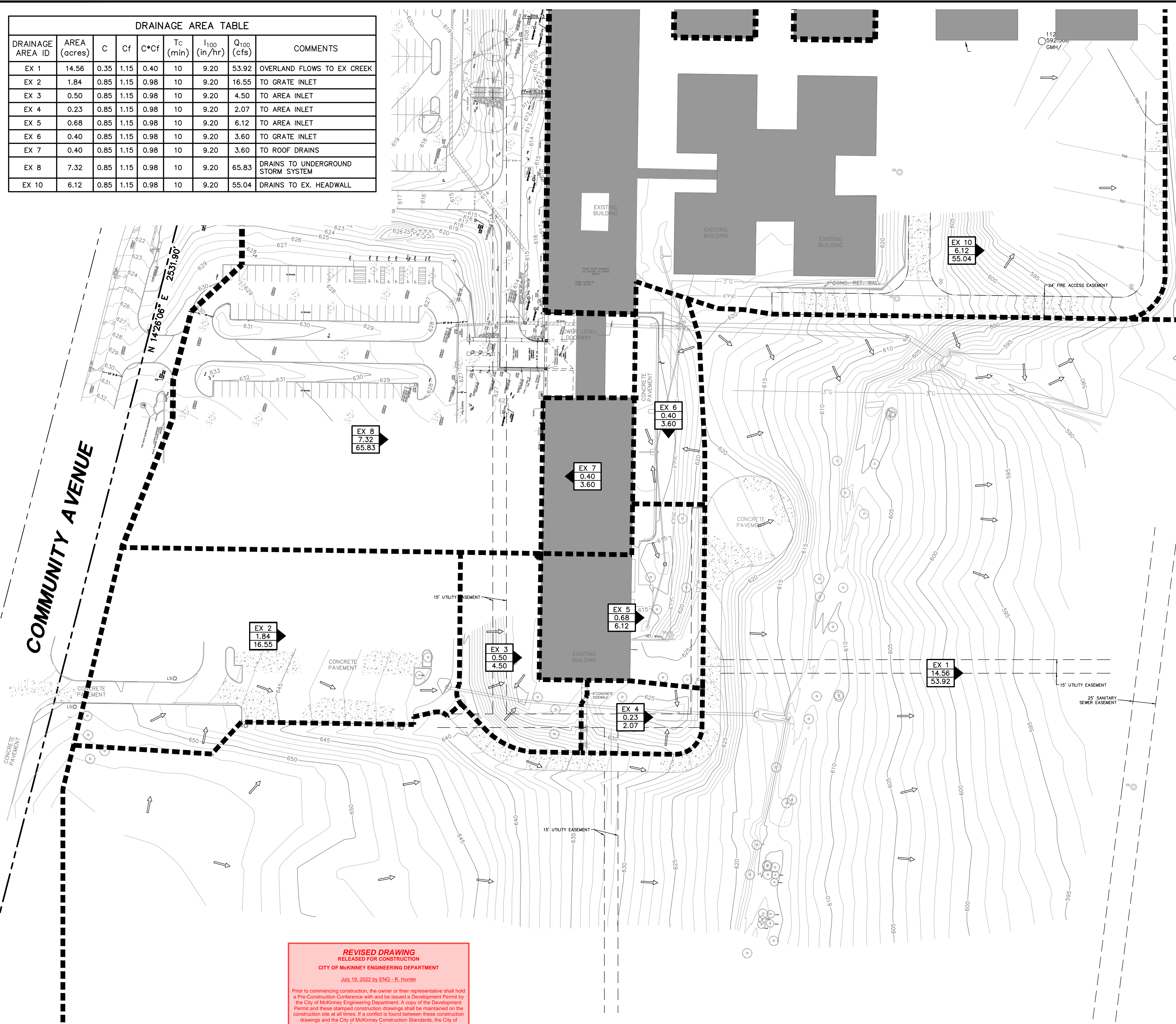
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COLLIN COUNTY ADF - PHASE 1 ADDITION

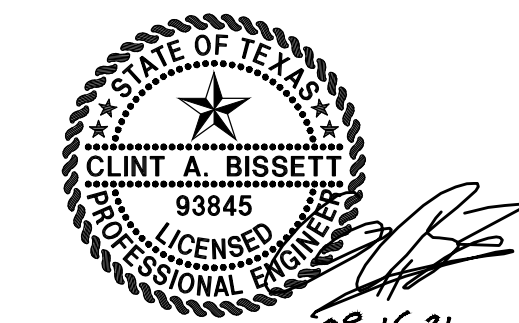
DRAINAGE AREA TABLE								
DRAINAGE AREA ID	AREA (acres)	C	Cf	C* Cf	Tc (min)	I ₁₀₀ (in/hr)	Q ₁₀₀ (cfs)	COMMENTS
EX 1	14.56	0.35	1.15	0.40	10	9.20	53.92	OVERLAND FLOWS TO EX CREEK
EX 2	1.84	0.85	1.15	0.98	10	9.20	16.55	TO GRATE INLET
EX 3	0.50	0.85	1.15	0.98	10	9.20	4.50	TO AREA INLET
EX 4	0.23	0.85	1.15	0.98	10	9.20	2.07	TO AREA INLET
EX 5	0.68	0.85	1.15	0.98	10	9.20	6.12	TO AREA INLET
EX 6	0.40	0.85	1.15	0.98	10	9.20	3.60	TO GRATE INLET
EX 7	0.40	0.85	1.15	0.98	10	9.20	3.60	TO ROOF DRAINS
EX 8	7.32	0.85	1.15	0.98	10	9.20	65.83	DRAINS TO UNDERGROUND STORM SYSTEM
EX 10	6.12	0.85	1.15	0.98	10	9.20	55.04	DRAINS TO EX. HEADWALL



LEGEND	
BL	BOLLARD
EM	ELECTRIC METER
PP	POWER POLE
LS	LIGHT STANDARD
WM	WATER METER
WV	WATER VALVE
ICV	IRRIGATION CONTROL VALVE
PH	FIRE HYDRANT
CH	CLEANOUT
MH	MANHOLE
TSC	TRAFFIC SIGNAL CONTROL
TSP	TRAFFIC SIGNAL POLE
TELE	TELEPHONE BOX
FL	FLOOD LIGHT
FP	FLAG POLE
TS	TRAFFIC SIGN
PL	PROPERTY LINE
X	FENCE
613	EXISTING CONTOUR
→	DRAINAGE FLOW DIRECTION
---	100-YR FLOODPLAIN LIMITS
---	DRAINAGE DIVIDE
EX 8	EXISTING DRAINAGE AREA ID
1.00	AREA IN ACRES
7.99	Q ₁₀₀ IN CUBIC FEET PER SECOND



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



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.

REVISED DRAWING
RELEASED FOR CONSTRUCTION
CITY OF MCKINNEY ENGINEERING DEPARTMENT
July 19, 2022 by ENG - 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 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.

NO.	DATE	REVISION
06/23/2022	RFI#44	

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

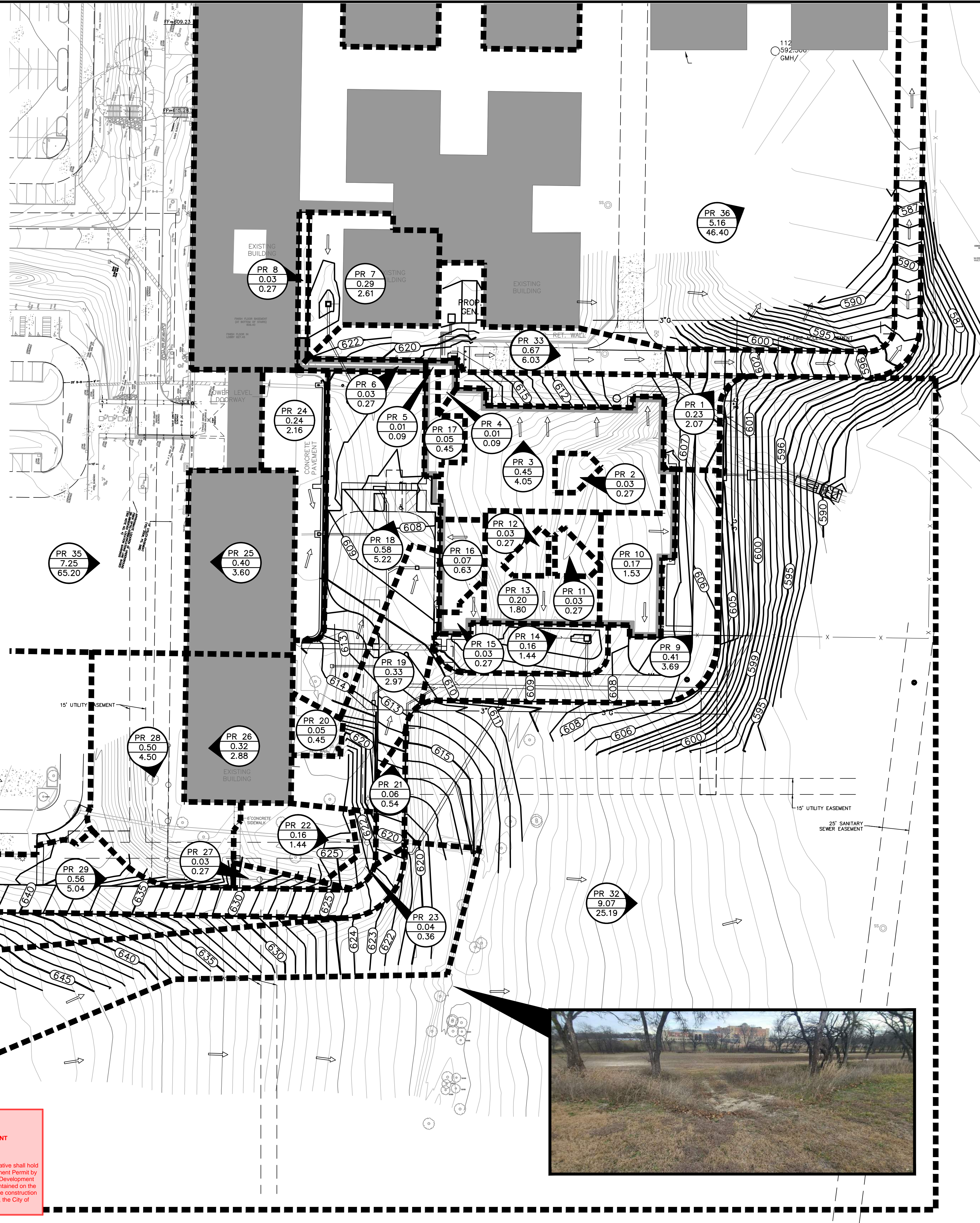
EXISTING DRAINAGE AREA MAP
COLLIN COUNTY ADF - PHASE 1 ADDITION
COLLIN COUNTY JUSTICE CENTER
4300 COMMUNITY AVENUE
CITY OF MCKINNEY, COLLIN COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
CAB	DMR	AUGUST 2021	1"=50'			C110

DRUJZ 7/1/2022 11:18 AM M:\VWC-24\2477-20.345\DWG\CIVIL C3D 2018\2477-20.345-DAMS-EXISTING.DWG

COLLIN COUNTY ADF - PHASE 1 ADDITION

DRAINAGE AREA TABLE								
DRAINAGE AREA ID	AREA (acres)	C	Cf	C*Cf	Tc (min)	I ₁₀₀ (in/hr)	Q ₁₀₀ (cfs)	COMMENTS
PR 1	0.23	0.85	1.15	0.98	10	9.20	2.07	TO PR 33
PR 2	0.03	0.85	1.15	0.98	10	9.20	0.27	OUTDOOR DRAIN SYSTEM UNDER BUILDING
PR 3	0.45	0.85	1.15	0.98	10	9.20	4.05	TO DOWNSPOUTS TO PR 1
PR 4	0.01	0.85	1.15	0.98	10	9.20	0.09	TO DOWNSPOUTS TO UNDERGROUND STORM SYSTEM
PR 5	0.01	0.85	1.15	0.98	10	9.20	0.09	TO DOWNSPOUTS TO UNDERGROUND STORM SYSTEM
PR 6	0.03	0.85	1.15	0.98	10	9.20	0.27	TO DOWNSPOUTS
PR 7	0.29	0.85	1.15	0.98	10	9.20	2.61	ROOF DRAINS TO AREA DRAIN
PR 8	0.03	0.85	1.15	0.98	10	9.20	0.27	TO DOWNSPOUTS TO PR 7
PR 9	0.41	0.85	1.15	0.98	10	9.20	3.69	DRAINS TO CURB BREAK
PR 10	0.17	0.85	1.15	0.98	10	9.20	1.53	TO DOWNSPOUTS TO PR 9
PR 11	0.03	0.85	1.15	0.98	10	9.20	0.27	OUTDOOR DRAIN SYSTEM UNDER BUILDING
PR 12	0.03	0.85	1.15	0.98	10	9.20	0.27	OUTDOOR DRAIN SYSTEM UNDER BUILDING
PR 13	0.20	0.85	1.15	0.98	10	9.20	1.80	TO DOWNSPOUTS TO PR 14
PR 14	0.16	0.85	1.15	0.98	10	9.20	1.44	DRAINS TO WYE INLET
PR 15	0.03	0.85	1.15	0.98	10	9.20	0.27	TO DOWNSPOUTS TO UNDERGROUND STORM SYSTEM
PR 16	0.07	0.85	1.15	0.98	10	9.20	0.63	TO DOWNSPOUTS TO UNDERGROUND STORM SYSTEM
PR 17	0.05	0.85	1.15	0.98	10	9.20	0.45	TO DOWNSPOUTS TO PR 18
PR 18	0.58	0.85	1.15	0.98	10	9.20	5.22	TO CURB INLET
PR 19	0.33	0.85	1.15	0.98	10	9.20	2.97	DRAINS TO CATCH BASIN
PR 20	0.05	0.85	1.15	0.98	10	9.20	0.45	TO EX AREA INLET
PR 21	0.06	0.85	1.15	0.98	10	9.20	0.54	TO CURB INLET
PR 22	0.16	0.85	1.15	0.98	10	9.20	1.44	TO EX AREA INLET
PR 23	0.04	0.85	1.15	0.98	10	9.20	0.36	TO PR 21
PR 24	0.24	0.85	1.15	0.98	10	9.20	2.16	TO GRATE INLET
PR 25	0.40	0.85	1.15	0.98	10	9.20	3.60	TO ROOF DRAINS
PR 26	0.32	0.85	1.15	0.98	10	9.20	2.88	TO ROOF DRAINS
PR 27	0.03	0.85	1.15	0.98	10	9.20	0.27	TO PR 29
PR 28	0.50	0.85	1.15	0.98	10	9.20	4.50	TO EX AREA INLET
PR 29	0.56	0.85	1.15	0.98	10	9.20	5.04	TO CURB INLET
PR 30	0.36	0.35	1.15	0.40	20	6.90	1.00	TO PR 29
PR 31	1.84	0.85	1.15	0.98	10	9.20	16.55	TO GRATE INLET
PR 32	9.07	0.35	1.15	0.40	20	6.90	25.19	SHEET FLOWS TO EX CREEK
PR 33	0.67	0.85	1.15	0.98	10	9.20	6.03	DRAINS TO CENTER OF DRIVE AISLE TO EX FLUME
PR 34	2.22	0.35	1.15	0.40	10	6.90	6.17	DRAINS TO PROPOSED "Y" INLET
PR 35	7.25	0.85	1.15	0.98	10	9.20	65.20	DRAINS TO UNDERGROUND STORM SYSTEM
PR 36	5.16	0.85	1.15	0.98	10	9.20	46.40	DRAINS TO EX. HEADWALL

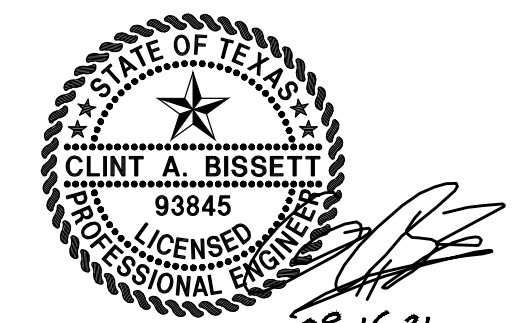


LEGEND

- B. BOLLARD
- EM. ELECTRIC METER
- PP. POWER POLE
- LS. LIGHT STANDARD
- WM. WATER METER
- WV. WATER VALVE
- ICV. IRRIGATION CONTROL VALVE
- FH. FIRE HYDRANT
- CO. CLEANOUT
- MH. MANHOLE
- TSC. TRAFFIC SIGNAL CONTROL
- TSP. TRAFFIC SIGNAL POLE
- TELE. TELEPHONE BOX
- FL. FLOOD LIGHT
- FP. FLAG POLE
- SIGN. TRAFFIC SIGN
- PROPERTY LINE
- x FENCE
- 613 EXISTING CONTOUR
- 450 PROPOSED CONTOUR
- DRAINAGE FLOW DIRECTION
- 100-YR FLOODPLAIN LIMITS
- DRAINAGE DIVIDE

DA 8
 1.00 AREA IN ACRES
 7.99 Q₁₀₀ IN CUBIC FEET PER SECOND

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.



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
1	06/23/2022	RFI#44
2	01/21/2022	2022-01-07 CITY COMMENTS

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

PROPOSED DRAINAGE AREA MAP
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"=50'			C111

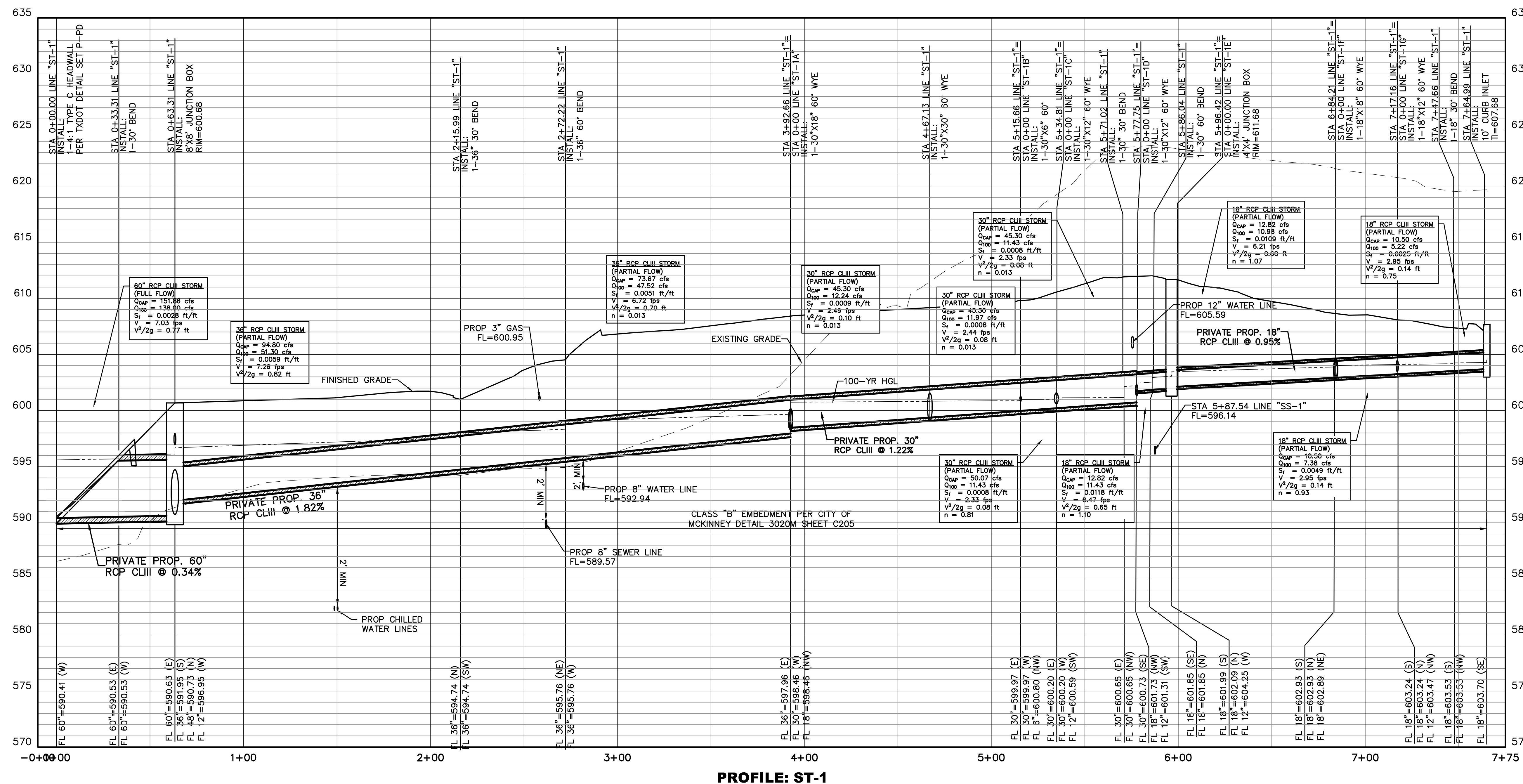
REVISED DRAWING
 RELEASED FOR CONSTRUCTION
 CITY OF MCKINNEY ENGINEERING DEPARTMENT
 July 19, 2022 by ENG - R. Hunter

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 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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 DRUITZ

COLLIN COUNTY ADF - PHASE 1 ADDITION



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

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

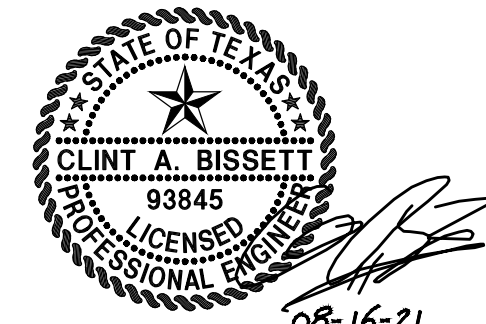
BM# 102 SET "X" CUT 358.8 LF WEST AND 274.0 LF SOUTH OF THE EXISTING SHERIFF'S STATION SOUTHWEST BUILDING CORNER.
 N: 7141216.91
 E: 2538569.12
 ELEV=652.18

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

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

REVISED DRAWING
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 CITY OF MCKINNEY ENGINEERING DEPARTMENT
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NO.	DATE	REVISION
07/18/2022	RF#44 WITH CITY COMMENTS	
01/21/2022	2022-01-07 CITY COMMENTS	
10/19/2021	2021-09-22 CITY COMMENTS	

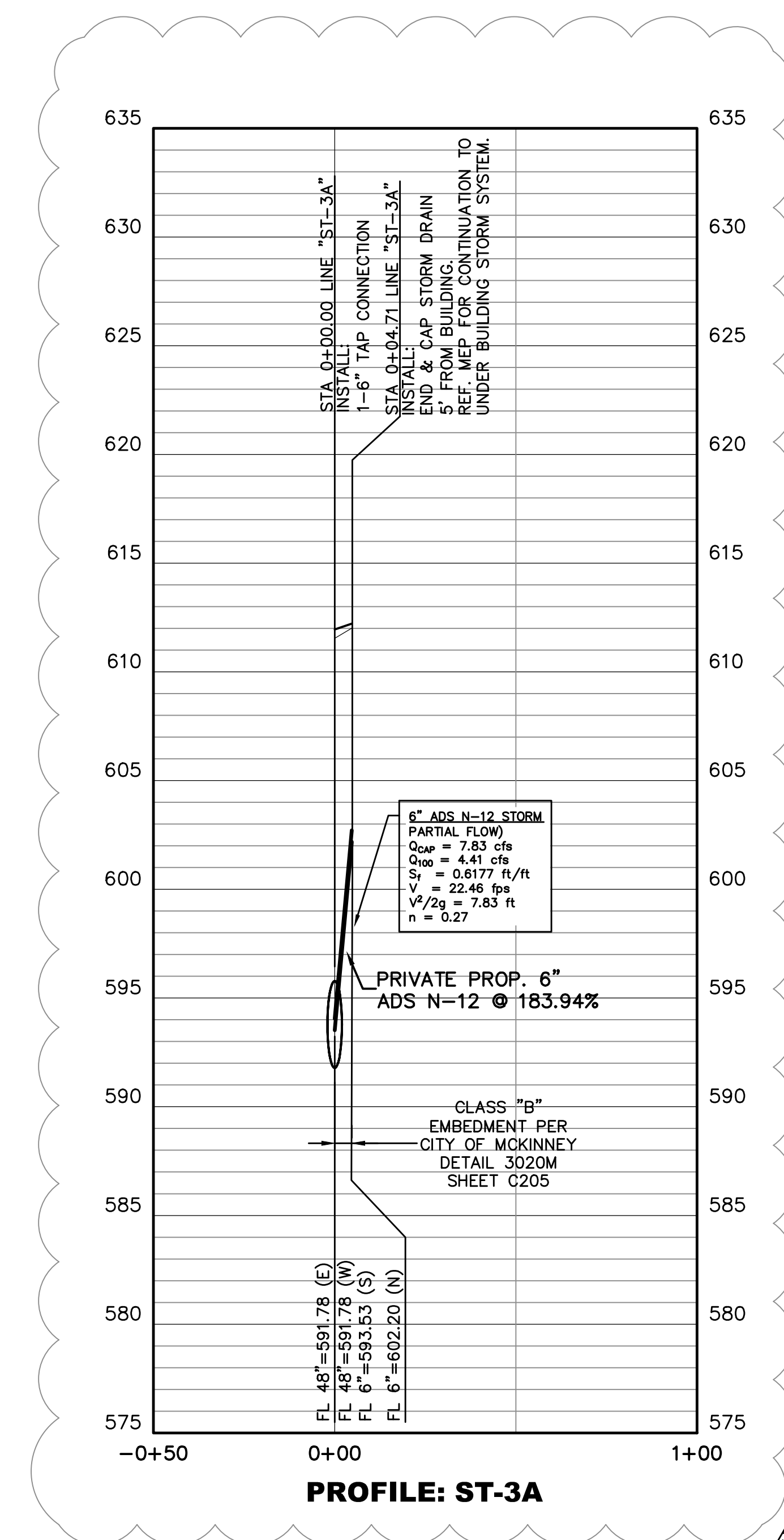
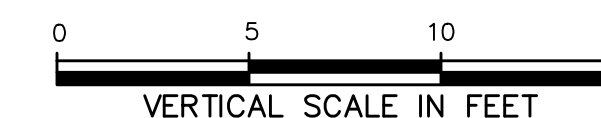
Pacheco Koch
 118 N. OHIO STREET
 CELINA, TX 75009 214.451.2765
 TX REG. ENGINEERING FIRM F-469
 TX REG. SURVEYING FIRM LS-10008000

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'			C115

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COLLIN COUNTY ADF - PHASE 1 ADDITION



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

BENCH MARK LIST

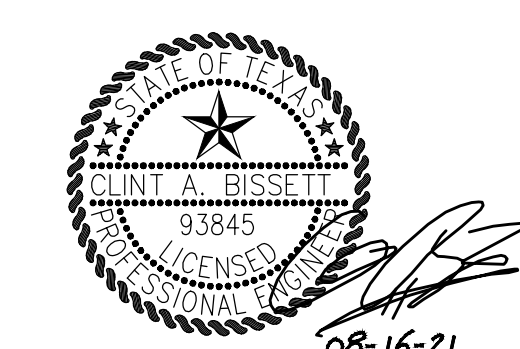
<p>BM# 100 SET " X " CUT 598.7 LF WEST AND 294.3 LF SOUTH OF THE EXISTING SHERIFF'S STATION SOUTHWEST BUILDING CORNER. N: 7141196.58 E: 2538329.23 ELEV=653.08</p> <p>BM# 101 1/2" SIR W/ TP CAP 526.5 LF WEST AND 54.0 LF NORTH OF THE EXISTING SHERIFF'S STATION SOUTHWEST BUILDING CORNER. N: 7141544.87 E: 2538401.43 ELEV=646.47</p> <p>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</p>

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REVISED DRAWING
RELEASED FOR CONSTRUCTION
CITY OF MCKINNEY ENGINEERING DEPARTMENT
July 19, 2022 by ENG - R. Hunter

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NO.	DATE	REVISION
△	07/18/2022	RFI#44 WITH CITY COMMENTS
△	01/21/2022	2022-01-07 CITY COMMENTS
△	10/19/2021	2021-09-22 CITY COMMENTS

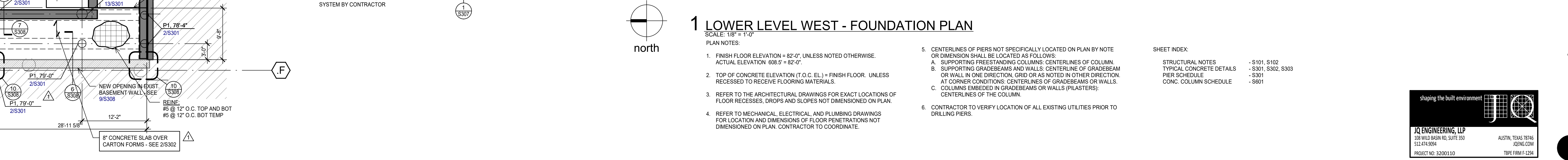
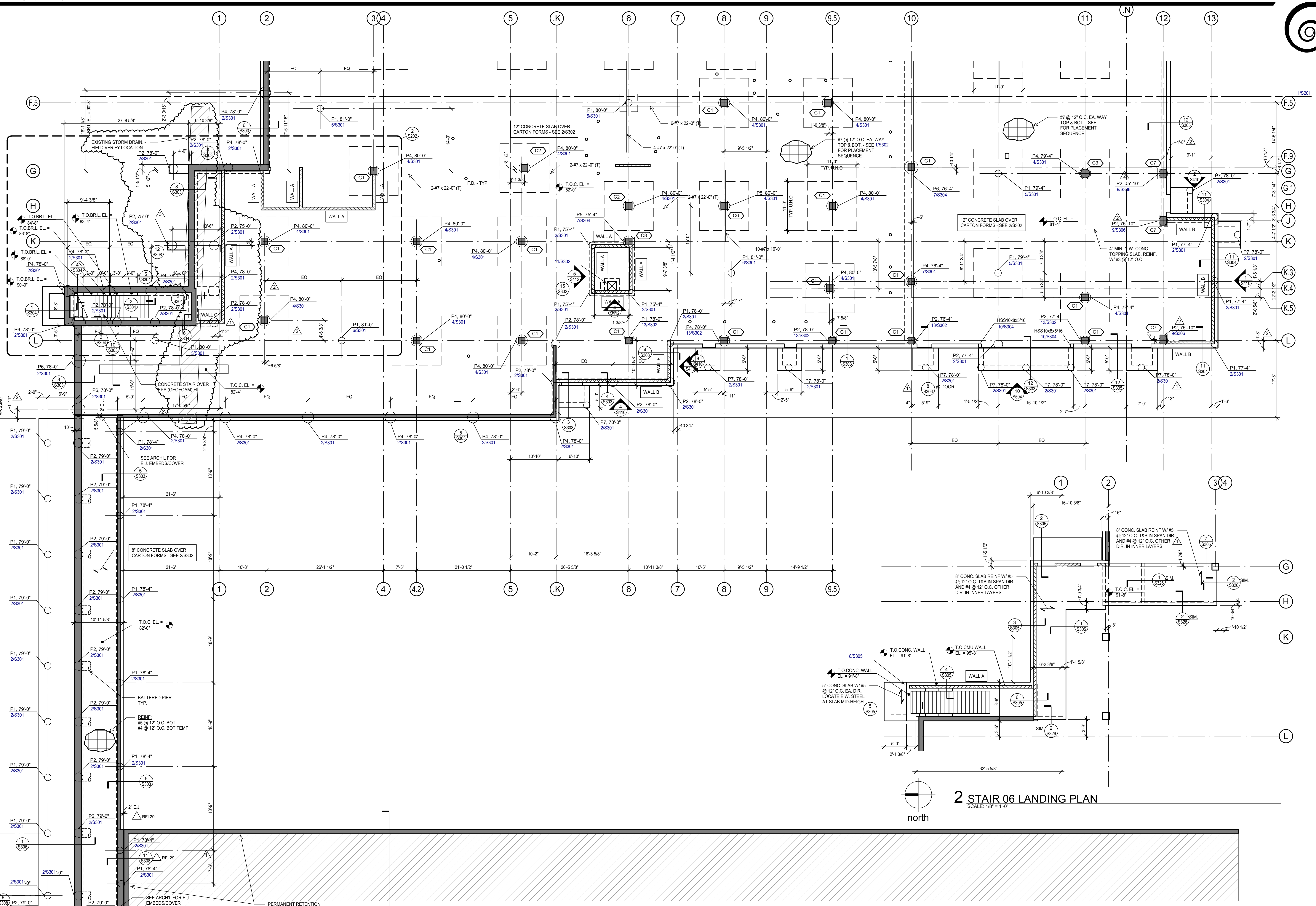
Pacheco Koch
118 N. OHIO STREET
CELINA, TX 75009 214.451.2765
TX REG. ENGINEERING FIRM F-469
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STORM SEWER PROFILE
COLLIN COUNTY ADF - PHASE 1 ADDITION
COLLIN COUNTY JUSTICE CENTER
4300 COMMUNITY AVENUE
CITY OF MCKINNEY, COLLIN COUNTY, TEXAS

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

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COLLIN COUNTY ADF - PHASE 1 ADDITION



COLLIN COUNTY ADF - PHASE 1 ADDITION

4300 COMMUNITY AVE, MCKINNEY, TX 75071

Architect: Brinkley Sargent Wiginton Architects (972) 960-9970
 (214) 451-2765
 Civil: Pacheco Koch
 Structural: JQ Engineering (214) 522-9098
 MEP / IT: MD Engineering (469) 467-0200
 Security: Latartech (972) 633-8650

BRINKLEY SARGENT WIGINTON ARCHITECTS

1 LOWER LEVEL WEST - FOUNDATION PLAN

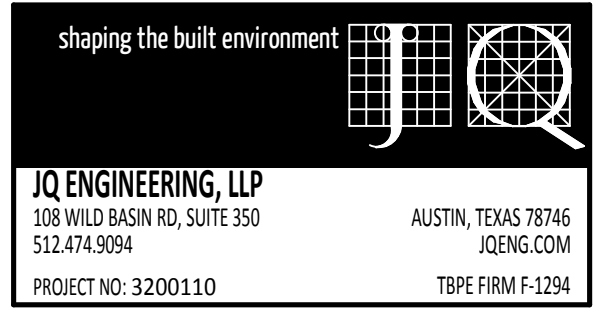
- SCALE: 1/8" = 1'-0"
- PLAN NOTES:
- FINISH FLOOR ELEVATION = 82'-0". UNLESS NOTED OTHERWISE. ACTUAL ELEVATION 808.5' = 82'-0".
 - TOP OF CONCRETE ELEVATION (T.O.C. EL.) = FINISH FLOOR, UNLESS RECESSED TO RECEIVE FLOORING MATERIALS.
 - REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF FLOOR RECESSES, DROPS AND SLOPES NOT DIMENSIONED ON PLAN.
 - REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR LOCATION AND DIMENSIONS OF FLOOR PENETRATIONS NOT DIMENSIONED ON PLAN. CONTRACTOR TO COORDINATE.
 - CENTERLINES OF PIERS NOT SPECIFICALLY LOCATED ON PLAN BY NOTE OR DIMENSION SHALL BE LOCATED AS FOLLOWS:
 A. SUPPORTING FREESTANDING COLUMNS: CENTERLINES OF COLUMN.
 B. SUPPORTING GRADEBEAMS AND WALLS: CENTERLINE OF GRADEBEAM OR WALL IN ONE DIRECTION, GRID OR AS NOTED IN OTHER DIRECTION.
 AT CORNER CONDITIONS: CENTERLINES OF GRADEBEAMS OR WALLS.
 C. COLUMNS EMBEDDED IN GRADEBEAMS OR WALLS (PILASTERS): CENTERLINES OF THE COLUMN.
 - CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO DRILLING PIERS.

- SHEET INDEX:
- STRUCTURAL NOTES - S101, S102
 - TYPICAL CONCRETE DETAILS - S301, S302, S303
 - PIER SCHEDULE - S301
 - CONC. COLUMN SCHEDULE - S801

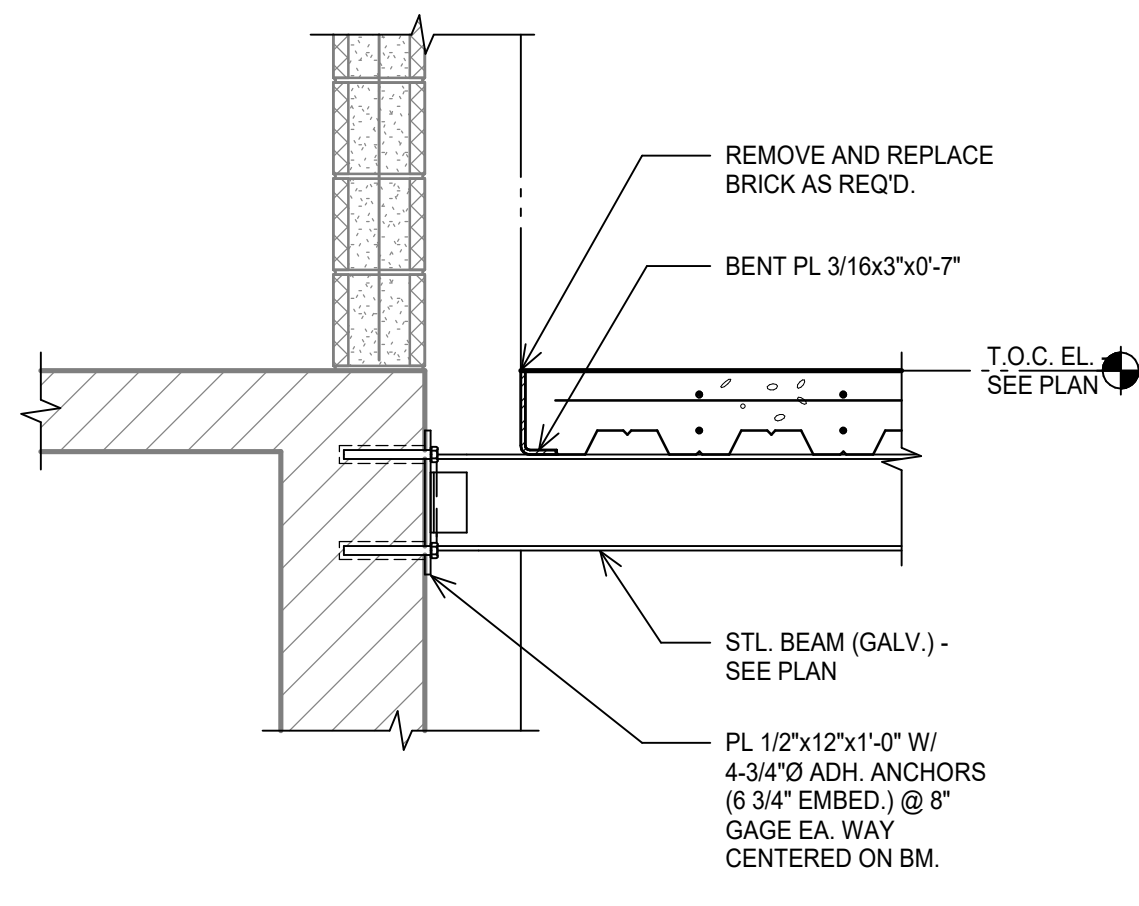
#	Date	Description
1	8/18/2021	Addendum 2
2	1/31/2022	PR #1
3	3/30/2022	RFI 29
3	7/8/2022	PR #4



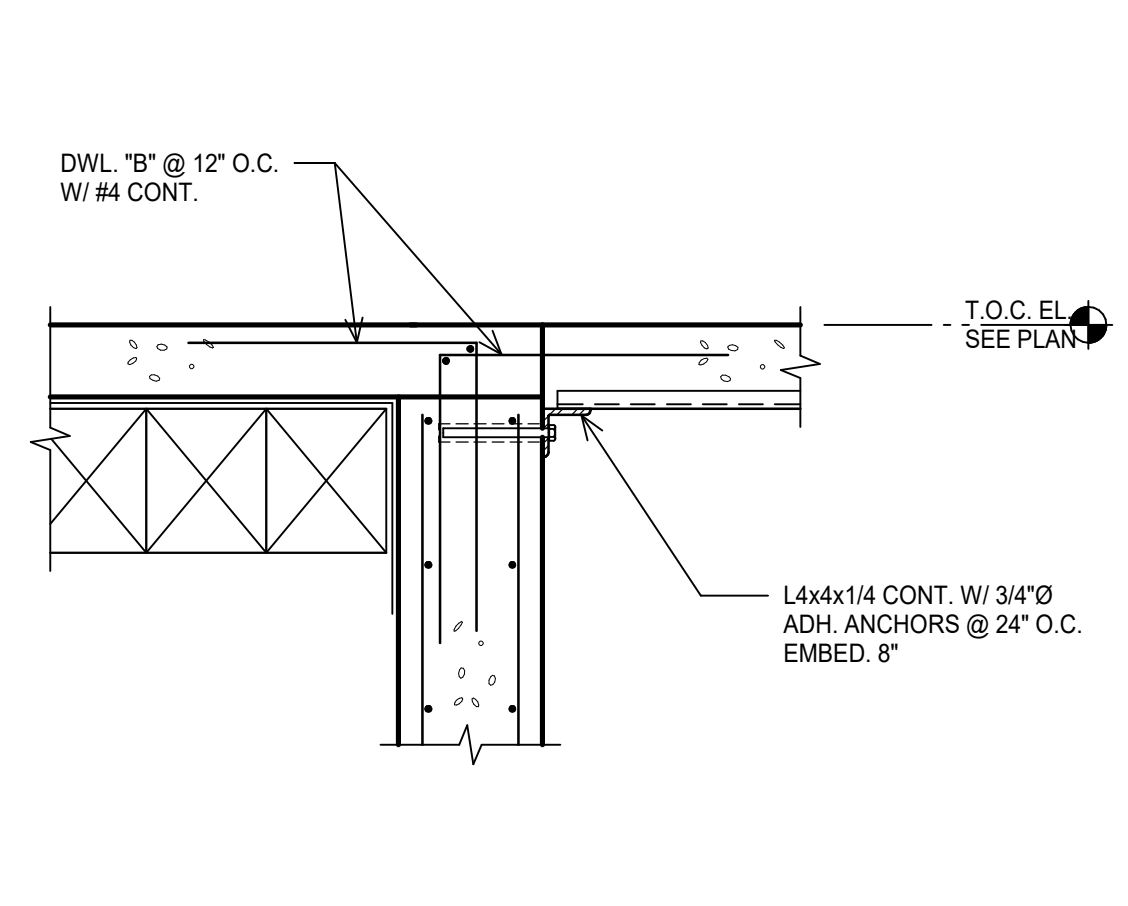
LOWER LEVEL WEST - FOUNDATION PLAN



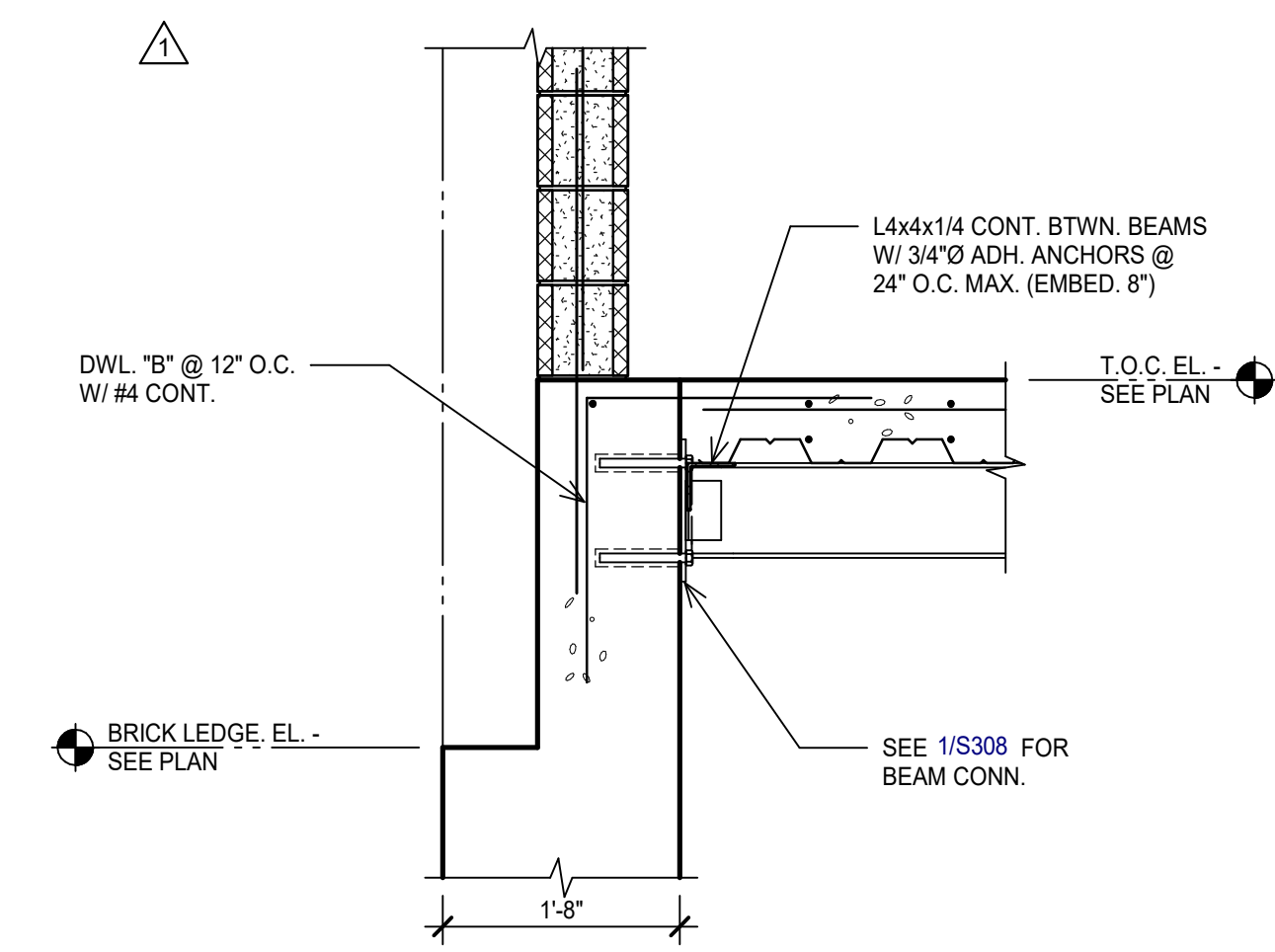
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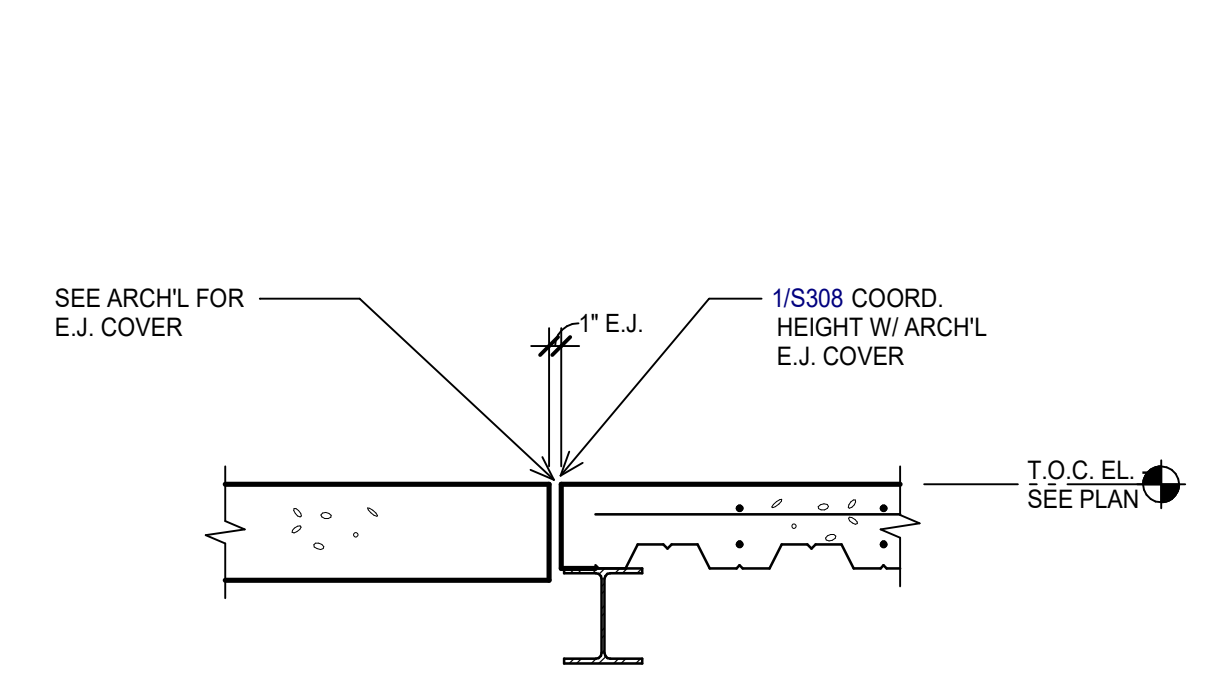
1 SECTION
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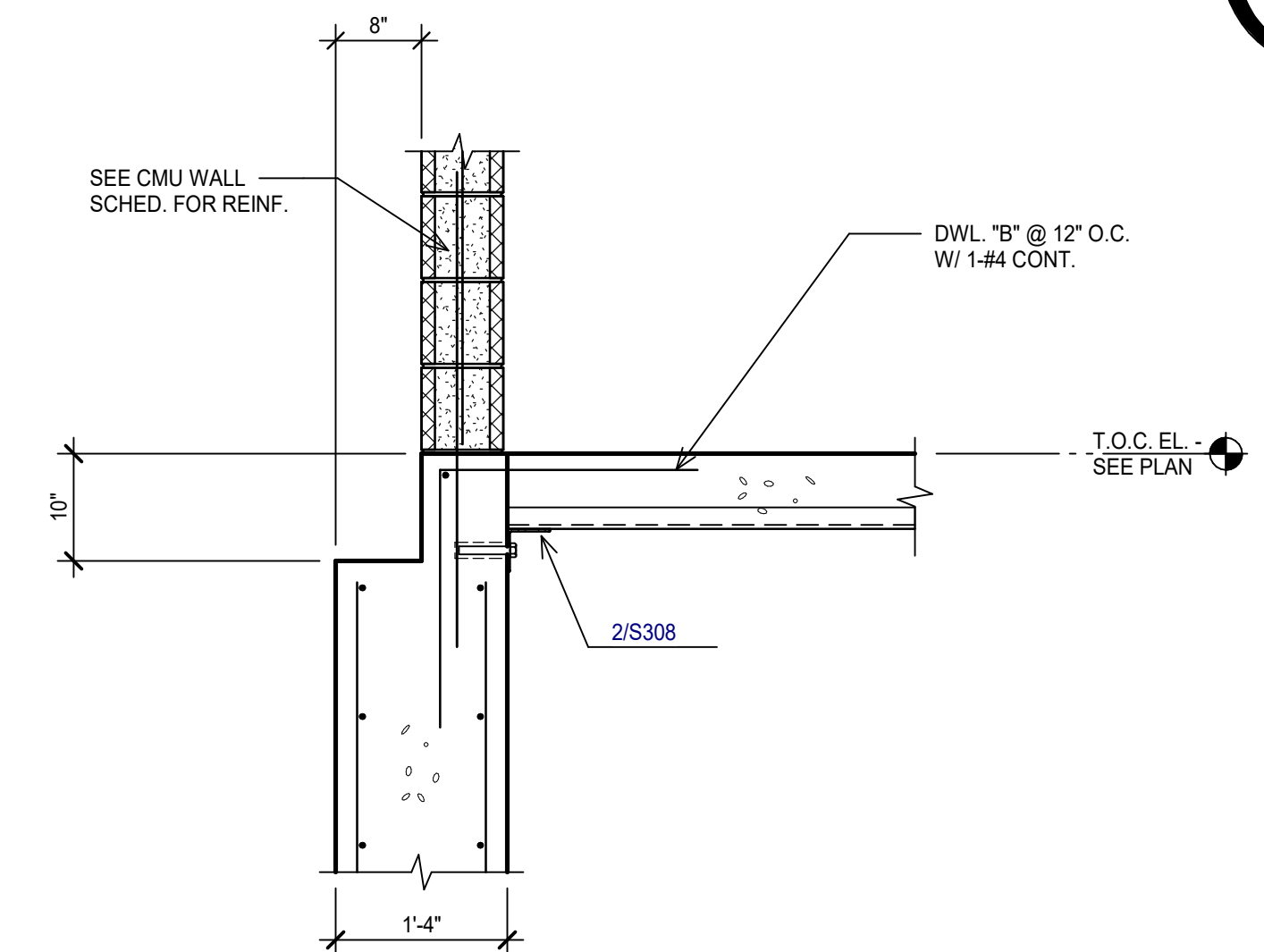
2 SECTION
SCALE: 3/4" = 1'-0"



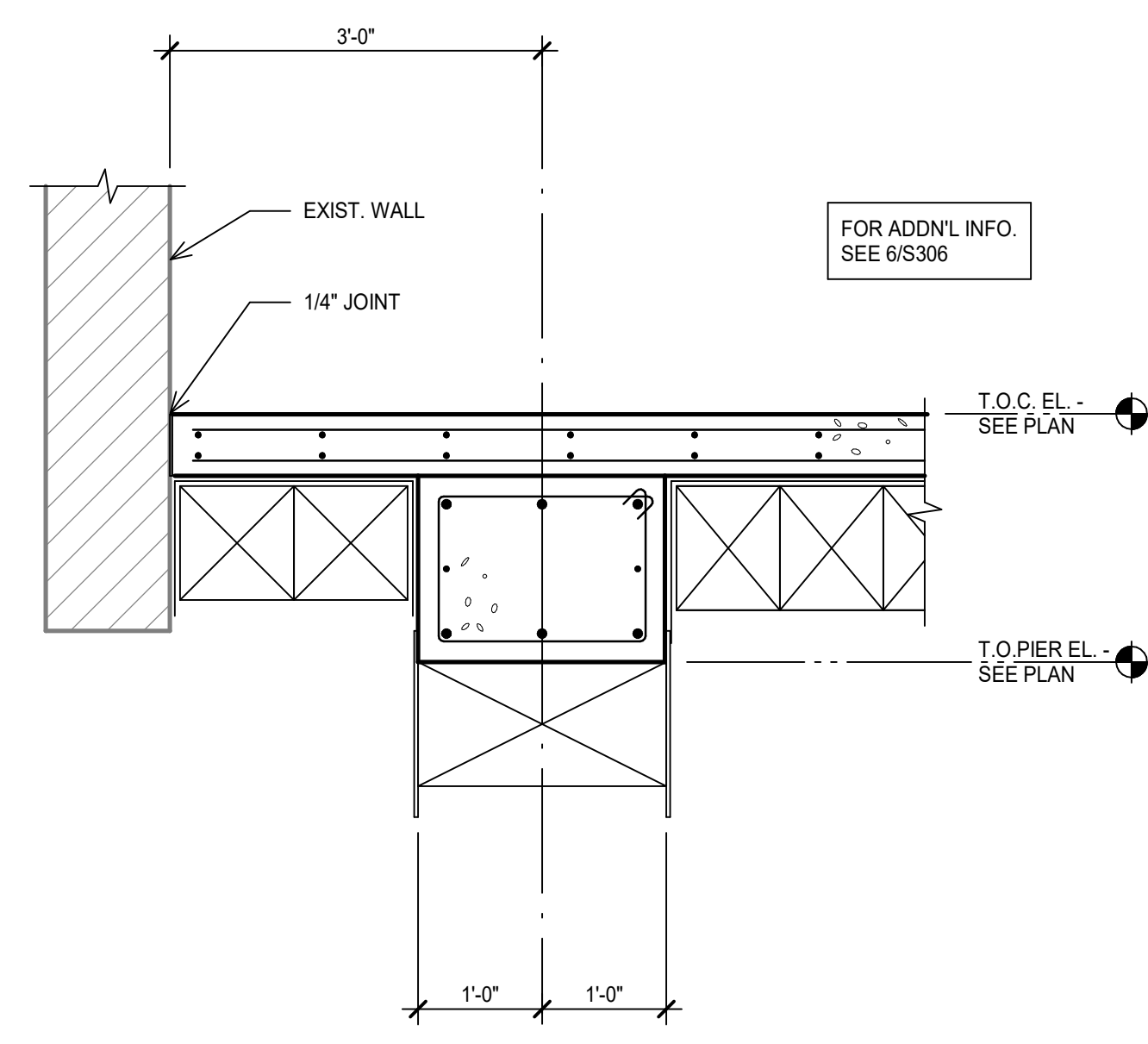
3 SECTION
SCALE: 3/4" = 1'-0"



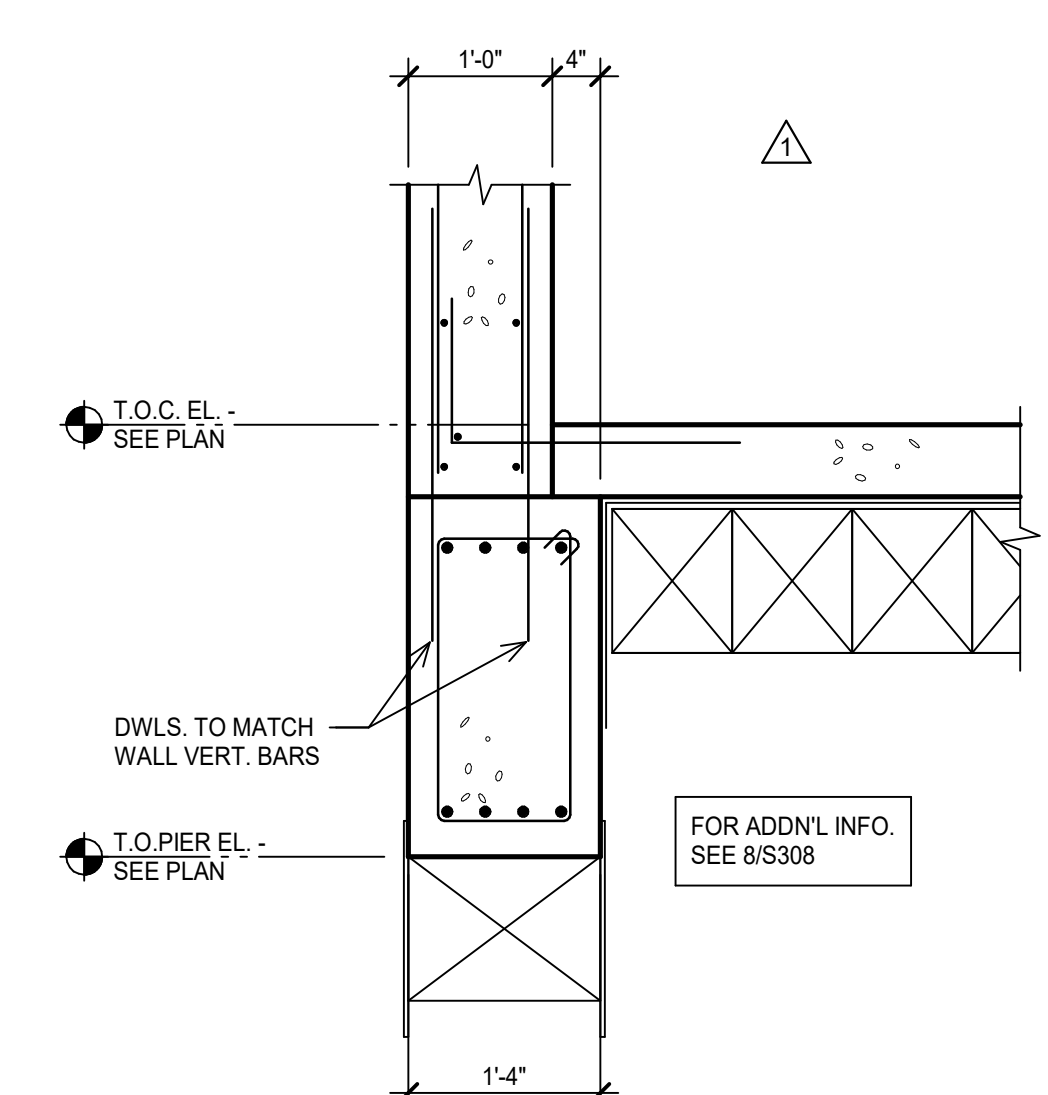
4 SECTION
SCALE: 3/4" = 1'-0"



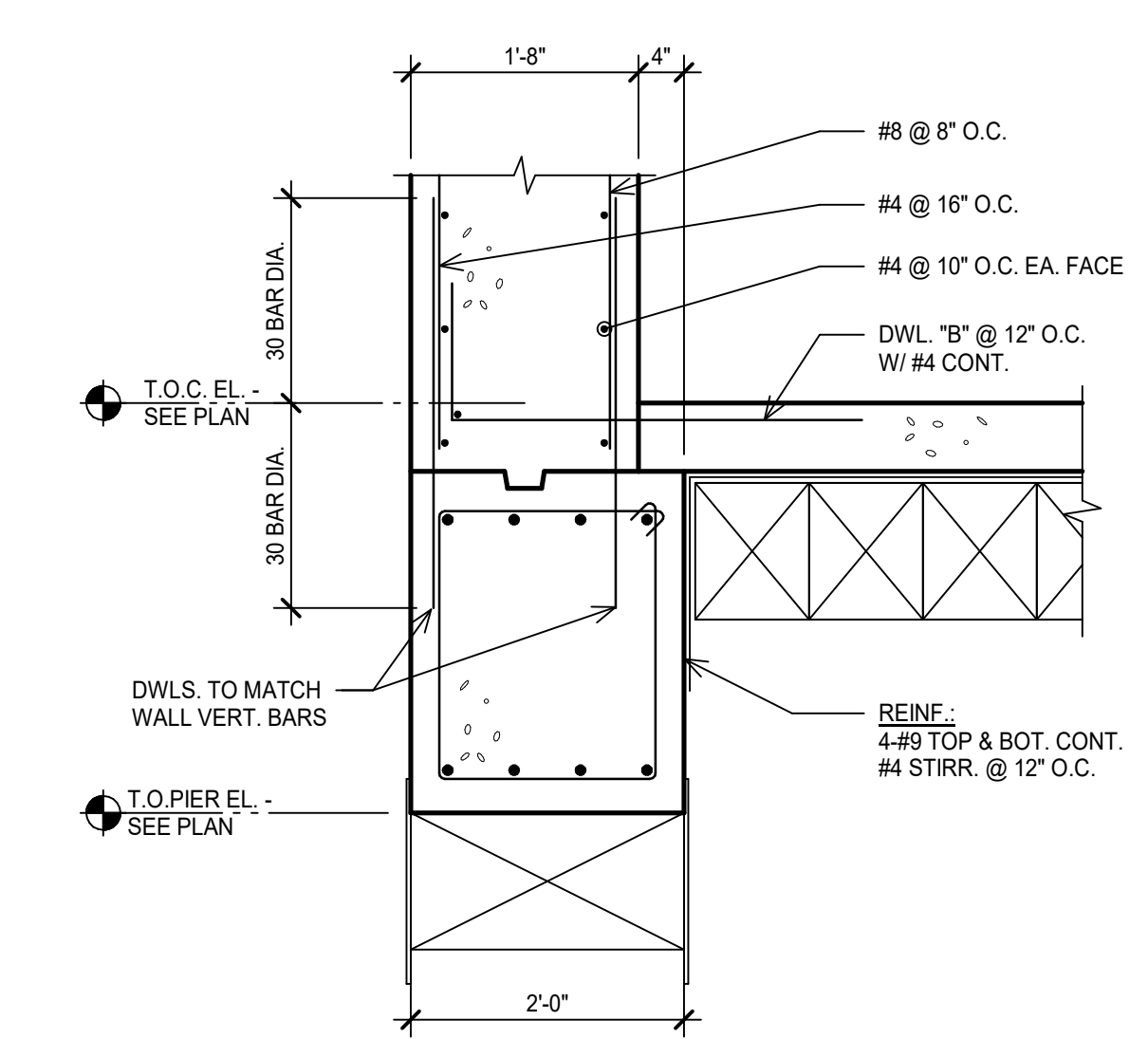
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SCALE: 3/4" = 1'-0"



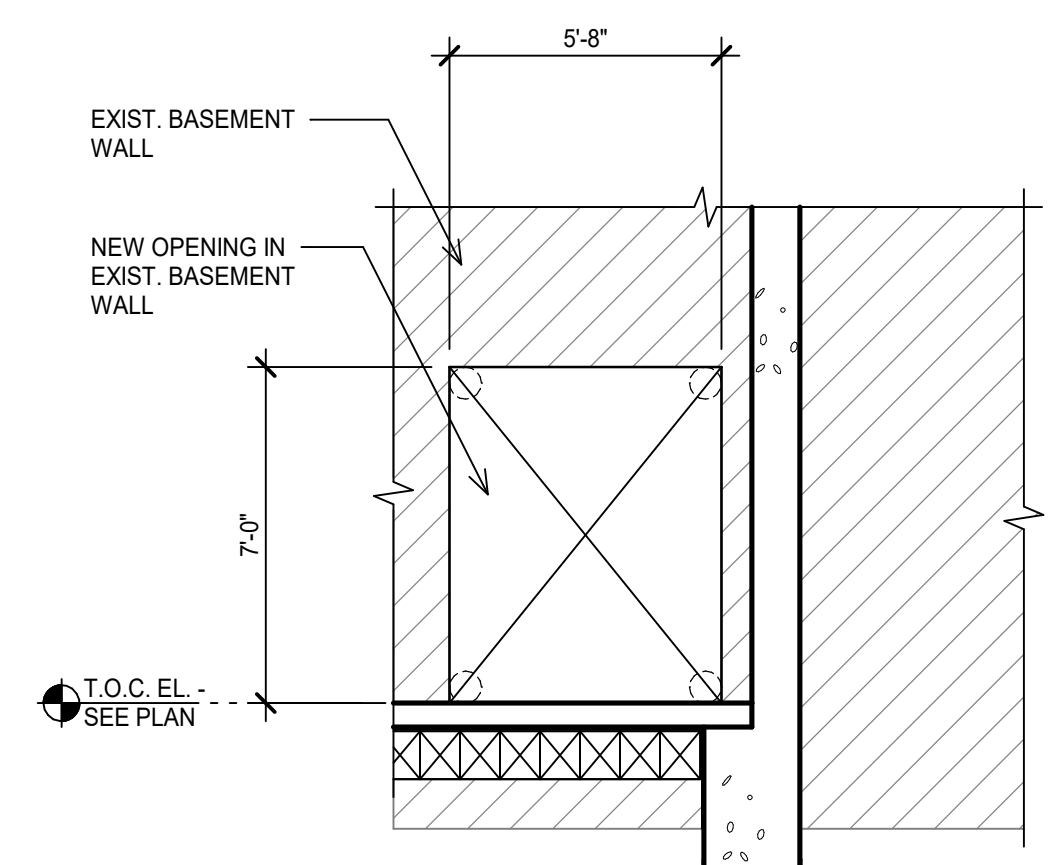
6 SECTION
SCALE: 3/4" = 1'-0"



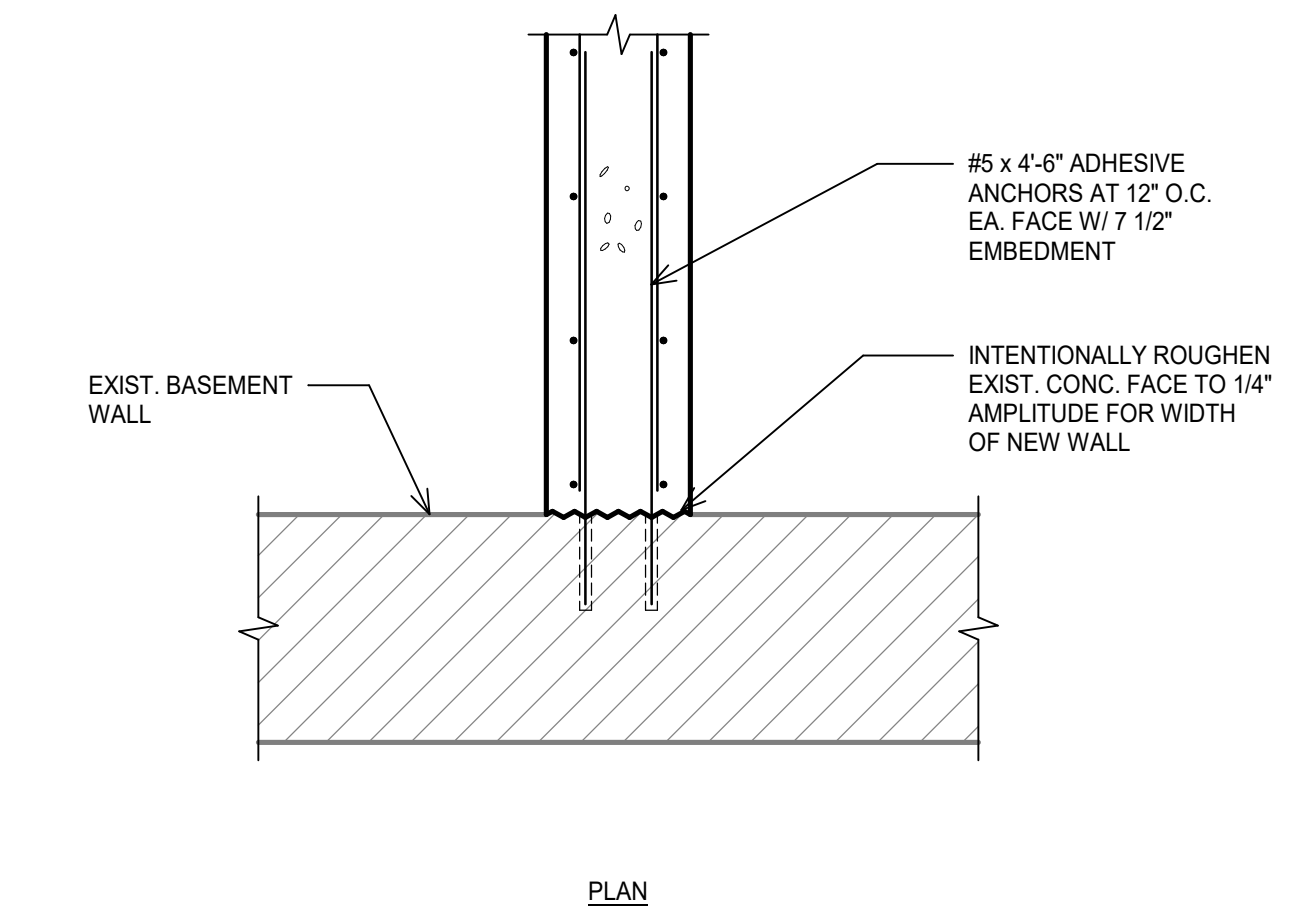
7 SECTION
SCALE: 3/4" = 1'-0"



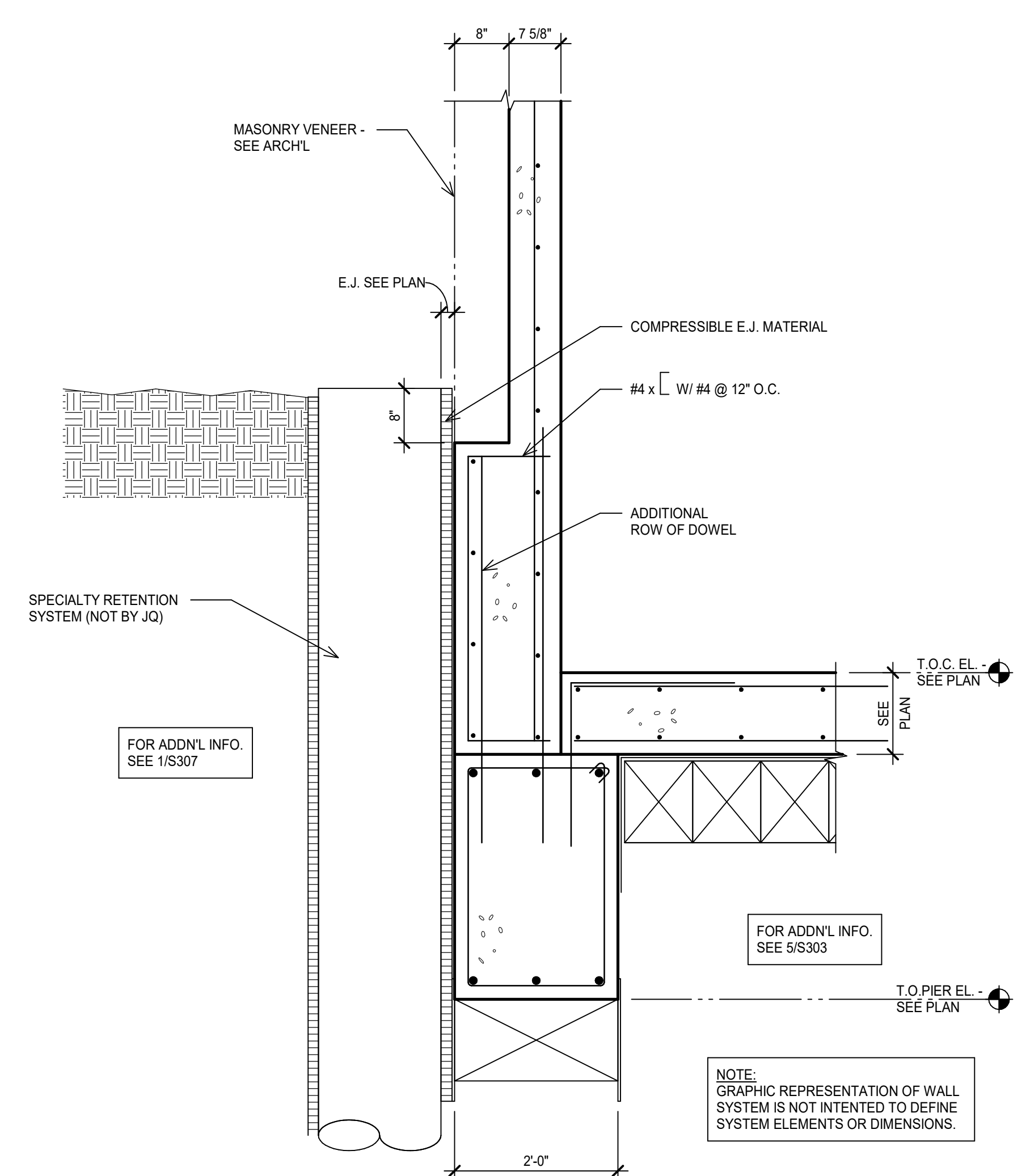
8 SECTION
SCALE: 3/4" = 1'-0"



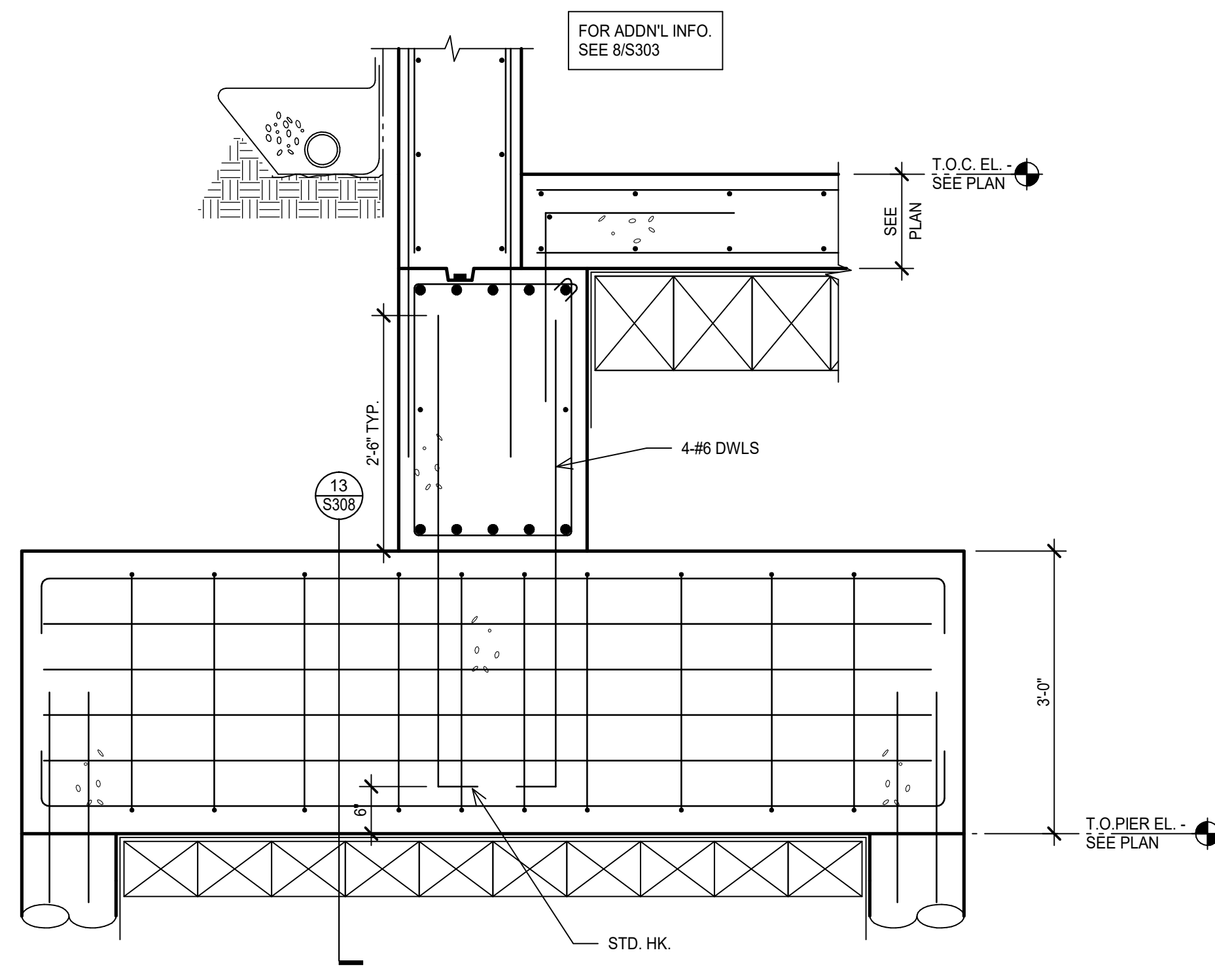
9 ELEVATION - LOOKING WEST
SCALE: 1/4" = 1'-0"



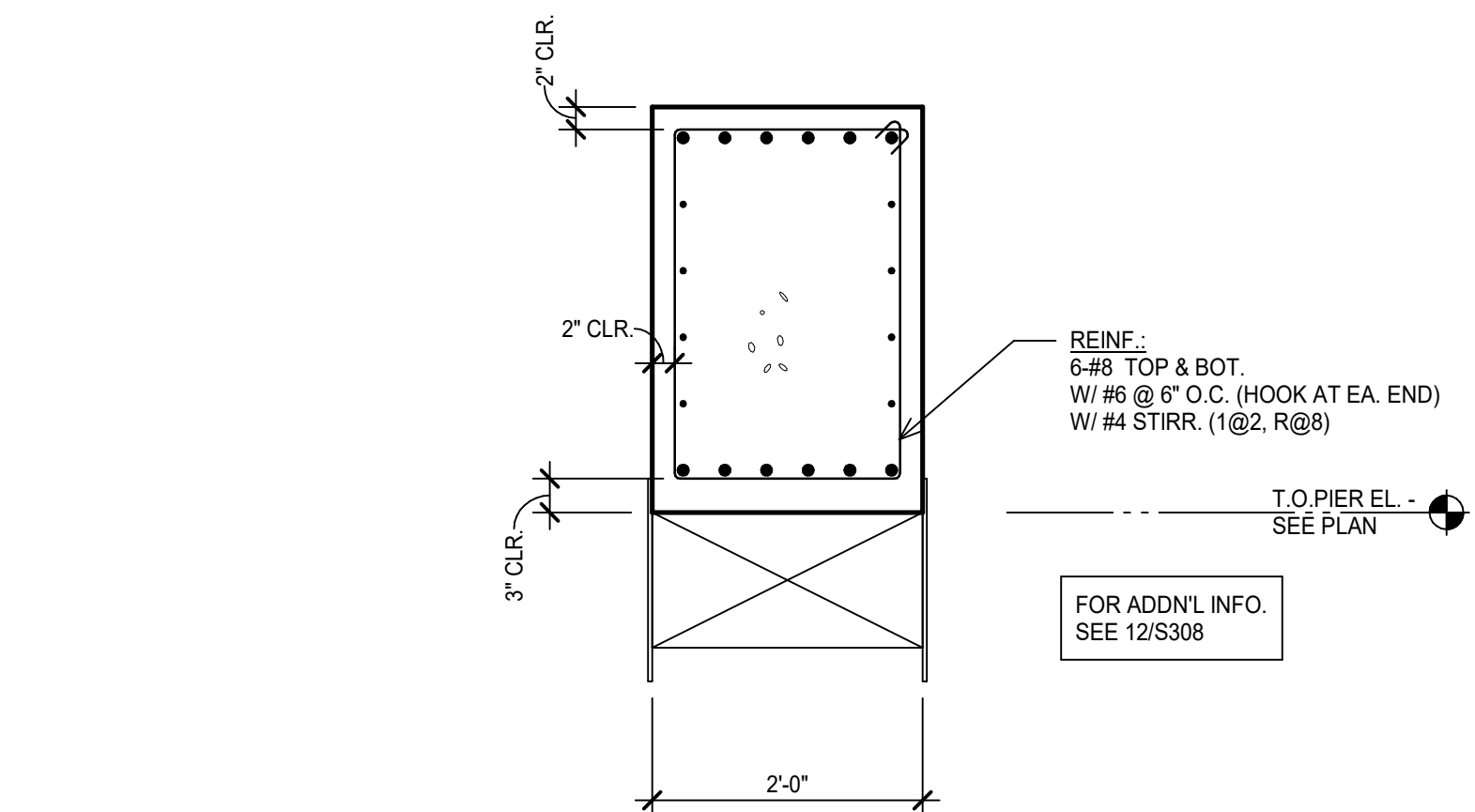
10 PLAN DETAIL
SCALE: 3/4" = 1'-0"



11 SECTION
SCALE: 3/4" = 1'-0"



12 SECTION
SCALE: 3/4" = 1'-0"



13 SECTION
SCALE: 3/4" = 1'-0"

COLLIN COUNTY ADF - PHASE 1 ADDITION

4300 COMMUNITY AVE, MCKINNEY, TX 75071

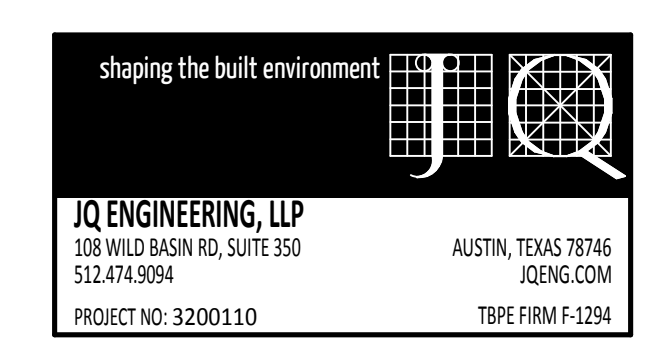
Architect: Brinkley Sargent Wiginton Architects (972) 960-9970
 Civil: Pacheco Koch (214) 451-2765
 Structural: JQ Engineering (214) 752-9098
 MEP / IT: MD Engineering (469) 467-0200
 Security: Latitech (972) 633-8650

BRINKLEY SARGENT WIGINTON ARCHITECTS

History		
#	Date	Description
1	8/18/2021	Addendum 2
	3/30/2022	RFI 29
2	7/8/2022	PR # 4



CONCRETE DETAILS



21913 S308
07/13/2021

BID SET

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