



PCO #003

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 #003: PR # 1 - Civil, Structural, Arch Changes

TO:	Collin County 4600 Community Avenue McKinney Texas, 75071	FROM:	Ratcliff Constructors, LP 4200 Beltway Drive Addison Texas, 75001
PCO NUMBER/REVISION:	003 / 2	CONTRACT:	1 - Collin County Adult Detention Facility, Phase 1 Addition Prime Contract
REQUEST RECEIVED FROM:		CREATED BY:	Scott Trcka (Ratcliff Constructors, LP)
STATUS:	Pending - In Review	CREATED DATE:	3/22 /2022
REFERENCE:		PRIME CONTRACT CHANGE ORDER:	
FIELD CHANGE:	No		
LOCATION:		ACCOUNTING METHOD:	Amount Based
SCHEDULE IMPACT:	14 days	PAID IN FULL:	No
		TOTAL AMOUNT:	\$141,688.28

POTENTIAL CHANGE ORDER TITLE: PR # 1 - Civil, Structural, Arch Changes

CHANGE REASON: Design Development

POTENTIAL CHANGE ORDER DESCRIPTION: *(The Contract Is Changed As Follows)*

Provide for additional work required to complete all work associated in PR # 1 dated February 17, 2022.

ATTACHMENTS:

#	Cost Code	Description	Type	Amount
1	33-100 - Site Drainage Utilities	Site Utilities	Subcontractor	\$ 110,099.28
2	33-100 - Site Drainage Utilities	Haul Off Site Utility Spoils	Subcontractor	\$ 11,045.49
3	02-205 - Erosion Control	Earthwork, Erosion Control	Subcontractor	\$ 2,849.00
4	05-500 - Steel Fabrication	Structural and Misc. Steel	Subcontractor	(\$4,276.45)
5	33-100 - Site Drainage Utilities	Temp Storm Water Pumping Allowance	Subcontractor	\$ 7,500.00
6		Ratcliff Bonds (1.25%)		\$ 1,590.21
7		Ratcliff Fee (10%)		\$ 12,880.75
Subtotal:				\$141,688.28
Grand Total:				\$141,688.28



PCO #003

Michael Woods (Brinkley Sargent
Wiginton Architects)

5000 Quorum Drive, Suite 600
Dallas Texas 75254

A handwritten signature in blue ink that reads 'Michael Woods'.

4-5-2022

SIGNATURE

DATE

Collin County

4600 Community Avenue
McKinney Texas 75071

SIGNATURE

DATE

Ratcliff Constructors, LP

4200 Beltway Drive
Addison Texas 75001

A handwritten signature in blue ink, appearing to be 'R. By'.

4/4/22

SIGNATURE

DATE

Project: COLLIN COUNTY DETENTION CENTER

Location: MCKINNEY, TX

Date: March 28, 2022

Addendum: REVISED STORM PLANS PR-1



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

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

ADDED STORM PIPE AND STRUCTURES FROM PLAN PR-1

Table with columns: Item, Description, Quantity, Pricing, Total. Includes items 1-38 with various pipe sizes, junction boxes, labor, and equipment costs.

Subtotal For Storm Drain : \$110,099.28

Grand Total : \$ 110,099.28

Additional Costs If Needed

Table with 2 rows: 1. Payment & Performance bond to Owner or GC (1 LS, \$ 3,859.96); 2. Haul off of Spoils (736 CY, \$ 15.00).

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:

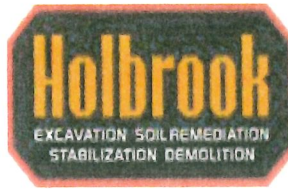
- City Bonds
- TxDot Permits
- Meter Fees and/or Deposits
- Conduits or Sleeves for other trades
- Landscaping, seeding or sod
- Tree removal or replacement
- Additional Mobilization
- Locate of Private Utilities
- Raven Lining of Sewer Manhole
- Inlet protection
- City Permits
- Relocation of Existing 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



The Holbrook Company, Inc.
 3430 High Prairie Road
 Grand Prairie, TX 75050-4225
 972.399.0007 office
 972.399.0009 fax
 www.theholbrookcompany.com

Date: 18 February 2022

Change order: co6262e

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 provide an additional ⁴²⁰200' of silt fence and relocate 500' of silt fence as shown on PR#1.

Quantity	Unit	Description	Unit price	Total
420 200	lf	silt fence	\$2.00	\$400.00 \$845.00
10 8	hour	erosion control crew	\$175.00	\$1,050.00 \$1750.00

Subtotal: ~~\$1,450.00~~ 2590.00
 OH&P at 10%: ~~\$145.00~~ 259.00
Total for this change order: ~~\$1,595.00~~ 2849.00

Plyler Steel Fabrication

To:

Collin County
Ratcliff Constructors

Plyler Steel Fabrication
 3505 Texoma Parkway
 P. O. Box 2406
 Sherman, Texas 75091

Project: Collin County ADF
 Job #: 684
 Date: 3/1/2022
 C.O.#: 1

CHANGE ORDER
 PR #01

Labor Description	Quantity	Unit	Rate	Total
Delivery	2	hrs	\$ 65.00	\$ 130.00
Shop	32	hrs	\$ 65.00	\$ 2,080.00
				\$ -
				\$ -
				\$ -
				\$ -
Subtotal				\$ 2,210.00

Material	Quantity	Unit	Rate	Total
W12x19	760	lbs	\$ 0.84	\$ 638.40
L5x5x5/16	30.1	lbs	\$ 0.74	\$ 22.27
Plate 3/8x6	179	lbs	\$ 1.19	\$ 213.01
Guardrail	3	LF	\$ 140.00	\$ 420.00
Deduct for Grating	161	sq ft	\$ 50.50	\$ (8,130.50)
				\$ -
				\$ -
				\$ -
				\$ -
Subtotal				\$ (6,836.82)

Equipment	Quantity	Unit	Rate	Total
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Subtotal				\$ -

Labor Subtotal \$ 2,210.00
 Material Subtotal \$ (6,836.82)
 Equipment Subtotal \$ -
Subtotal \$ (4,626.82)
 10% Overhead/Profit \$ 350.37
Total Change \$ (4,276.45)

Collin County Adult Detention Facility

Subcontractor Request for Proposal Cost Detail

STORM WATER PUMP ALLOWANCE

Ratcliff Constructors

4200 Beltway Dr.

Addison, Tx 75001

Date 4/4/2022

RFP #

Material / Equipment

Item	Description	Quantity	Unit	Unit Cost	Material Cost
1	TEMP Water Pump & Accessories For Storm Water (PR-01)	1		\$7,500	\$ 7,500.00
					\$ -
Total Material Cost					\$ 7,500.00

Labor

Item	Description	Quantity	Unit	Rate	Labor Cost
			HOURS		\$ -

	Total Labor	\$ -
Labor Burden % = 0	Labor Burden	\$ -
	Total Labor Cost	\$ -

Total Material & Labor	\$ 7,500.00
Overhead & Profit (10%)	\$ -
Total Subcontractor Proposal	\$ 7,500.00

PROPOSAL REQUEST

Distribution: OWNER ARCHITECT CONSULTANT CONTRACTOR FIELD OTHER

PROJECT: Collin County Adult Detention Facility **PROPOSAL REQUEST 01**
4300 Community Avenue
McKinney, TX 75071

OWNER: Collin County
4300 Community Avenue
McKinney, TX 75071

TO: Ratcliff Constructors, LP **PROJECT NO.:** 21913
4200 Beltway Drive **INITIATION DATE:** 02/17/2022
Addison, TX 75001 **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. Per City of McKinney Permit review, several of the Storm lines have been revised in size. Refer to Civil drawings.
- Item No. 2. Per submittal review of grating; some of the scope has been removed/added and additional steel has been added. Refer to revised Structural and Arch drawings reflecting these updates. Include all credits/adds for labor and materials.
- Item No. 3. Per submittal review of precast walls, pier locating dimensions, top of pier, and grade beam dimensions were modified
- Item No. 4. Revise the size of door frames 'AA' and 'AC' frames to course with masonry. Doors 1136, 1139, and 1140: Change door sizes from 7'-2" to 7'-0" so the 4" heads course with the masonry. Refer to Arch drawings for these changes.
- Item No. 5. Structural drawings are updated to reflect the Accepted Alternate 1 and update to reflect the deletion of Alternate 6. No cost for these items should be submitted as Alternate 6 deduct has already accounted for.

Attachments: N/A

Drawings: C0, C001, C002, C105, C106, C107, C109, C111, C112, C113, C114, C115, C116, C117, C118, C118.1, C119, C121, C122, C123, C123.1, A228, A229, A288, A702, D216, S103, S105, S201, S202, S221, S231, S232, S306, S505.

Specifications: N/A

END OF PROPOSAL REQUEST 01

ISSUED: BRINKLEY SARGENT WIGINTON ARCHITECTS
By: Michael Woods February 17, 2022

ARCHITECT _____ DATE _____

CONSTRUCTION PLANS

FOR

COLLIN COUNTY ADULT DETENTION FACILITY

COLLIN COUNTY JUSTICE CENTER

4300 COMMUNITY AVENUE

7.05 ACRES

CITY OF MCKINNEY, COLLIN COUNTY, TEXAS

AUGUST 2021

DEV2021-00111
 SITE2021-0023
 TREE2021-XX-XXXXX

ARCHITECT



5000 QUORUM DRIVE, SUITE 600
 DALLAS, TEXAS 75254
 PH: 972.960.9970

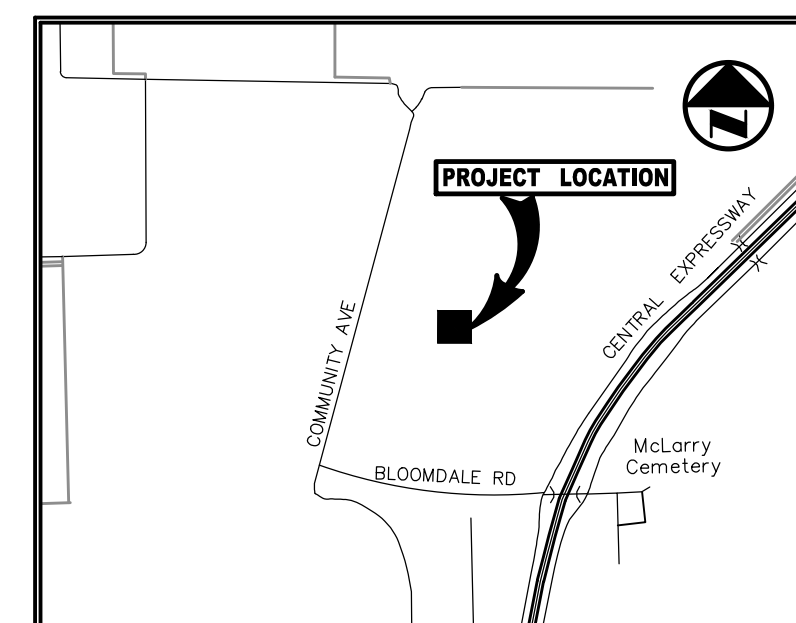
FOR

COLLIN COUNTY DETENTION FACILITY
 4300 COMMUNITY AVENUE
 972-548-4100

PREPARED BY



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



VICINITY MAP

DRAWING SHEET INDEX

SHEET	DESCRIPTION
C0	COVER
C001-C002	CITY GENERAL NOTES
C100	DEMOLITION PLAN
C101-C102	SITE PLAN
C103	SITE PLAN DETAIL
G104	ADD ALTERNATE PLAN
C105-C106	GRADING PLAN
C107	GRADING DETAIL
G108	GRADING DETAIL
C109	GRADING DETAIL
C110	EXISTING DRAINAGE AREA MAP
C111	PROPOSED DRAINAGE AREA MAP
C112-C114	STORM SEWER PLAN
C115-C118	STORM SEWER PROFILE
C119	SITE UTILITY PLAN
C120	SITE UTILITY DETAIL
C121	SEWER PROFILE
C122	PAVING PLAN
C123	EROSION CONTROL PLAN
C123.1	STORM WATER QUALITY PLAN
C202-C207	CITY DETAILS
C208	PAVEMENT DETAILS
C209-C210	EROSION CONTROL DETAILS
C211-C212	TRAFFIC RAIL DETAILS
L1.00	TREE PRESERVATION
L2.00	PLANTING PLAN
L2.01	PLANTING DETAILS
L3.00	IRRIGATION PLAN
L3.01	IRRIGATION DETAILS
L4.00	SPECIFICATIONS



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
△	01/21/2022	2022-01-07 CITY COMMENTS PR # 1
△	10/19/2021	2021-09-22 CITY COMMENTS

GENERAL ITEMS

1. If any conflict arises between these general notes and any other notes found in the plans, the City of McKinney's General Notes shall take precedence. However, the Director of Engineering has the authority to review and approve legitimate conflicting project specific notes if needed. For CIP Projects, the controlling order of precedence will be as specified in the Contract Documents.
2. All construction, testing, and materials shall be in accordance with the City's current standard details and specifications. Prior to any construction, the Contractor shall be familiar with the Contract Documents and Specifications, the Plans (including all notes), the City of McKinney's Specifications, and any other applicable standards or specifications relevant to the proper completion of the work specified. Failure on the part of the Contractor to be familiar with all Standards and Specifications pertaining to this work shall in no way relieve the Contractor of responsibility for performing the work in accordance with all such applicable Standards and Specifications.
3. Prior to construction, Contractor shall have in their possession all necessary permits, plans, licenses, etc. Contractor shall have at least one set of approved Engineering Plans and Specifications on-site at all times.
4. Owner shall be responsible for obtaining all offsite easements prior to commencement of offsite and relevant on-site construction activities. It shall be the responsibility of the Contractor, prior to the initiation of construction on easements through private property, to inform the property owner of this intent to begin construction. Before beginning construction in areas of public dedication, the Contractor shall inform the agency having jurisdiction in the area forty-eight (48) hours prior to initiation of the work.
5. All work shall conform to the City of McKinney's Engineering Design Manual, technical specifications, standard details, and approved materials list(s). In the event an item is not covered in the plans or the above referenced documents, the most current North Central Texas Council of Governments (NCTCOG) Standard Specifications for Public Works Construction shall apply with concurring notification to the Director of Engineering and Engineer of Record. The Director of Engineering shall have the final decision on all construction materials, methods, and procedures.
6. Construction inspection may be performed by representatives of the Owner, Engineer, City, Geotechnical Engineer, and reviewing authorities / agencies. Unrestricted access shall be provided to them at all times. Contractor is responsible for understanding and scheduling required inspections. Testing samples shall be collected and processed by certified technicians.
7. All Contractors must confine their activities to the work area. No encroachments onto developed or undeveloped areas will be allowed. Any damage resulting therefrom shall be Contractor's responsibility to repair or restore. If the Contractor desires to utilize adjacent lot(s) for any purpose, the Contractor shall provide the City advance written permission from the property owner(s). The project shall not be finalized until the Contractor provides a written letter from the property owner(s) stating that the property owner is satisfied with the said lot(s). All property disturbed by any activities associated with the project shall be returned to pre-project conditions and shall comply with all erosion control requirements.
8. It will be the responsibility of each Contractor to protect all existing public and private utilities throughout the construction of this project. Contractor shall contact the appropriate utility companies to identify utility locations prior to commencement of construction and shall maintain up-to-date utility locates throughout the duration of construction. Contractor shall assume full liability and responsibility to those utility companies for any damages caused by the Contractor to utility facilities. If the Contractor damages any City property (water mains, fire hydrants, structures, etc.), they will be assessed applicable charges. Contractor may be required to expose these facilities at no cost to the City.

Texas 811	811 or 800-344-8377
Atmos Energy (Gas)	866-322-8667
Oncor Electric Delivery	888-313-4747
AT & T	972-649-8734
McKinney Water & Wastewater Dept.	972-547-7360
Spectrum / Charter	214-320-5435
Grande Communications	972-410-0592

CoServ Electric	844-330-0762
CoServ Gas	844-330-0763
Capco Fiber	903-531-9670
GCEC Overhead Electric	903-482-7181
GCEC Underground Electric	903-482-7141
GCEC Telecom	903-482-7274
City of Irving - Danny Masella	469-446-2704

9. Continuous access for mail service and solid waste collection shall be provided during construction.
10. The Contractor shall maintain, and keep in good repair, all the areas covered by the Plans and Specifications during the full duration of the Project.
11. Working Time is defined as the time during the day, except holidays in which the Contractor shall be permitted to work. Unless otherwise approved, normal work hours will be 6:00 a.m. to 9:00 p.m. (7:00 a.m. to 7:00 p.m. within 500 feet of residential areas) Monday through Friday. Contractor will be permitted to work weekend hours between 8:00 a.m. and 5:00 p.m. on Saturdays and between 1 p.m. and 5 p.m. on Sundays provided Contractor supplies written notification to the McKinney Engineering Construction Inspector of Contractor's intent to work and identifies the specific weekend days and hours it plans to work on or before 12:00 noon of the immediately preceding Thursday. The Contractor will not be allowed to work City of McKinney holidays unless an exception is given by the City, and it is the Contractor's responsibility to verify the City's holiday schedule. The consequences of work being performed without the benefit of inspection on Saturdays, Sundays, or holidays may be the removal of all work performed without the appropriate inspection, as determined by the McKinney Engineering Construction Inspector.
12. No material which has been used by the Contractor for any temporary purposes whatsoever is to be incorporated in the permanent work without written consent of the Director of Engineering and the Engineer of Record.
13. Where the words "equivalent", "proper", or "equal to" are used, they shall be understood to mean that the thing referred to shall be proper, the equivalent of, or equal to some other thing, in the opinion or judgment of the Engineer of Record and the City. Where the term "or equal," or "or approved equal" is not used in the specifications, this does not necessarily exclude alternative items, materials, or equipment which may accomplish the intended purpose. Where materials or equipment are specified by a trade or brand name, it is not the intention of the City to discriminate against an equal product of another manufacturer, but rather to set a definite standard of quality or performance, and to establish an equal basis for the evaluation of bids. No substitutions will be permitted until the Contractor has received written permission of the Director of Engineering and the Engineer of Record to make a substitution for the material that has been specified.
14. The Contractor shall be responsible for the repair or replacement of any existing items damaged by the Contractor during construction. These may include but are not limited to landscaping, irrigation, mailboxes, fences, driveways, street pavement, sidewalks, hike / bike trails, public utilities, franchise utilities, structures, buildings, etc. Any such existing items which are removed or damaged shall be put back to better or previous condition.
15. The Contractor shall coordinate construction activities with the City of McKinney Engineering Department and Public Works Department. In the event other contractors are doing work in the same area simultaneously with this project, the Contractor shall coordinate his proposed construction with other contractors. Any work performed within Texas Department of Transportation right-of-way shall comply with applicable TxDOT standards and the Contractor shall be responsible for obtaining the required permits to perform said work. All coordination with TxDOT construction inspectors will be coordinated with the designated City of McKinney Construction Inspector.
16. Contractor shall inform Owner, residences, and/or businesses forty-eight (48) hours prior to any interruption of sewer and/or water service or impacts to existing access. Contractor shall schedule the construction activities to minimize any inconvenience to the residents and businesses. Interruptions to existing services may be required to be performed during off times and shall be coordinated with the affected agencies. Any planned interruptions of sewer and/or water services must have prior written approval of the Director of Engineering.

17. All shop drawings, traffic control plans, working drawings or other documents which require review by the City, shall be submitted by the Contractor sufficiently in advance of scheduled construction to allow no less than 10 business days for review and response by the City.
18. Establishment of utility services for the use of City potable water for construction purposes is available through the City of McKinney Utility Billing Office located at 210 N. Tennessee St. (972 547-7550). Contractor shall comply with all related City Ordinances and shall pay all fees in a timely manner.
19. All Contractors and subcontractors shall perform all work in a manner consistent with safe work practices, and in accordance with all applicable safety and health rules and regulations.
20. It is the Contractor's responsibility to maintain a neat and accurate record of construction for the Record Drawings that will be submitted to City. Prior to final acceptance, the Contractor's redlines shall be provided to the Engineer of Record for incorporation into the Record Drawings. Record Drawings including redline updates shall be provided to the McKinney Engineering Construction Inspector at least one day prior to the scheduled final walkthrough inspection.

EROSION CONTROL & VEGETATION

1. Within the City of McKinney, all soil disturbing activities require a grading permit. A copy of the appropriate Construction Site Notice (CSN) or Notice of Intent (NOI) shall be provided to the City of McKinney prior to issuance of a grading permit. The site specific Erosion Control Plan (ECP) shall be provided to McKinney's Stormwater Administrator prior to grading.
2. The CSN or NOI shall be posted in a location viewable to the public until construction is complete and Notice of Termination (NOT) submitted. The Storm Water Pollution Prevention Plan (SW3P) shall be readily available for review by Federal, State, or Local officials.
3. No soil disturbing activities will occur prior to the SW3P, ECP, and associated Best Management Practices (BMP) being fully implemented, and then inspected by McKinney's Erosion Control Inspectors.
4. The contractor shall comply with the City of McKinney's Stormwater Ordinance, the current NCTCOG iSWM™ Technical Manual for Construction, the TPDES General Construction Permit TXR150000 and any other State and/or Local regulations.
5. The Contractor shall employ measures as necessary to prevent dirt, mud, and debris from being tracked off site. Any dirt, mud, and debris tracked offsite shall be cleaned up by the Contractor immediately to ensure safe environment within and adjacent to the site.
6. The site shall be reviewed by the Contractor or his representative weekly, and after any major storm. Adjustments/repairs to the erosion control measures will be made as needed. The Contractor shall notify McKinney's Erosion Control Inspectors of adjustments/repairs such that the adjustments/repairs may be inspected and approved by the Erosion Control Inspectors in coordination with the Stormwater Administrator.
7. Final acceptance of a site shall be contingent upon perennial vegetation being fully established in all disturbed areas, unless otherwise approved by the Director of Engineering.
8. A completed NOT shall be submitted to the State and a copy of this NOT shall be provided to the City of McKinney prior to final acceptance.
9. All excavated earth in excess of that required for backfilling, and all concrete removed, shall be disposed of in a satisfactory manner. The Contractor shall provide documentation to the City in writing of the final destination of this material. This documentation shall be submitted at the time of the SWP3. The documentation shall include permission from the property owner and verification from the floodplain manager in the jurisdiction that the disposal area is outside the FEMA 100-year floodplain.

RETAINING WALLS

1. Retaining walls (including the foundation or footing) shall not be constructed to encroach upon City Right-of-Way, public easements, or public utilities without the consent of the Director of Engineering.
2. Prior to beginning construction of a retaining wall, the Contractor shall coordinate an onsite pre-construction meeting with the wall contractor, wall engineer (if applicable), and the construction inspector. The retaining wall Engineer of Record is responsible to perform and document onsite inspections throughout construction; and to provide the Engineering Department a copy of all documentation confirming construction compliance with all drawings and specifications as required by the Director of Engineering prior to final acceptance of project.

TREE PRESERVATION

1. Prior to construction, the Contractor shall construct and maintain a protective fence at the drip line of all protected existing trees, unless noted otherwise on the construction drawings. Any damage to the existing trees caused by construction shall be replaced to the satisfaction of the Owner and/or the City of McKinney at the Contractor's expense.
2. All protective measures shall be in place prior to commencement of any site or grading work and remain in place until all exterior work has been completed.
3. The City Arborist shall be contacted to approve the placement of the Tree Preservation fencing prior to beginning of site work on property.
4. The following activities shall be prohibited within the limits of the primary root zone: material storage, equipment cleaning/liquid disposal, and construction equipment/vehicular traffic. No signs or wires shall be attached to trees.
5. Unless specifically allowed, no grade changes shall be allowed within the limits of the primary root zone of any protected tree unless the City Arborist approves adequate construction methods.
6. No trimming of trees may occur within the Tree Preservation fencing limits without prior consent of the City Arborist.

PEDESTRIAN ACCESSIBILITY

1. Contractor shall maintain all existing pedestrian routes and access within and adjacent to the site throughout the duration of construction. A temporary pedestrian route shall be provided when any existing sidewalk is closed due to construction activity. Any signage required for the designation of a temporary pedestrian route shall be included on the approved Traffic Control Plan.
2. All newly constructed sidewalks, curb ramps, and crosswalks installed within City of McKinney public right-of-way, easements, or on City property shall be considered a pedestrian access route and shall conform to the most current (Draft or Adopted) Guidelines for Public Right-of-Way created by the United States Access Board (PROWAG).

GENERAL CONSTRUCTION NOTES

OCTOBER 2019
SHEET 1 OF 2

CITY OF MCKINNEY ENGINEERING DEPARTMENT
221 N. TENNESSEE ST. P. (972) 547-7475
MCKINNEY, TX 75069 F. (972) 547-3024



NO.	DATE	REVISION
▲	10/19/2021	2021-09-22 CITY COMMENTS PR #1
118 N. OHIO STREET CELINA, TX 75009 214.451.2765 TX REG. ENGINEERING FIRM F-469 TX REG. SURVEYING FIRM LS-10008000		
CITY GENERAL NOTES		
COLLIN COUNTY ADF - PHASE 1 ADDITION		
COLLIN COUNTY JUSTICE CENTER		
4300 COMMUNITY AVENUE		
CITY OF MCKINNEY, COLLIN COUNTY, TEXAS		
DESIGN	DRAWN	DATE
CAB	DMR	AUGUST 2021
SCALE	NOTES	FILE
N.T.S.		
		C001

TRAFFIC CONTROL

- All existing traffic control devices and infrastructure shall remain in place, operational, and unobstructed at all times throughout the duration of construction unless otherwise approved by the Director of Engineering. The Contractor shall be responsible for maintaining all traffic control devices whether or not work is active. Any deficiencies shall be corrected by the Contractor immediately regardless of time of day. The first violation of this provision will result in a verbal warning to the Contractor. Subsequent violations will result in suspension of all work at the job site for a minimum of forty-eight (48) hours.
- All traffic control devices shall be in accordance with the latest Texas MUTCD and NCHRP 350. Devices must contain either Type III Hi-Intensity sheeting or Type IV reboundable Hi-Intensity sheeting.
- Construction activities which impact existing traffic and/or access to properties shall not begin until a site-specific traffic control plan is approved by the City of McKinney. Traffic control plans may be required on other roadways as determined by the Director of Engineering or their designee. All traffic control plans must be prepared by an individual certified in their preparation and must be submitted for review a minimum of seven (7) working weekdays prior to the anticipated implementation. Any deviation from an approved Traffic Control Plan must be reviewed by the Director of Engineering or their designee.
- Lane closures will not be permitted on arterial roadways before 9:00 am or after 4:00 pm. Violations may result in suspension of all work at the job site for a minimum of 48 hours. The Director of Engineering reserves the right to deny, restrict, or revoke permission for closures.
- Lane closures will not be permitted on streets in the vicinity of private and/or public schools during posted school zone hours. Lane closures in the vicinity of schools without designated school zones shall be coordinated with the school. In general, school zone hours are:

Elementary:	7:00am - 8:15am, 2:35pm - 3:45pm
Middle School:	7:40am - 9:00am, 3:25pm - 4:30pm
High School:	6:45am - 7:45am, 2:15pm - 3:15pm
- All temporary traffic control devices shall be removed as soon as practical when they are no longer needed. When work is suspended for short periods of time at the end of the workday, temporary traffic control devices that are no longer appropriate shall be removed, covered or turned away from traffic. The first violation of this provision will result in a verbal warning to the Contractor. Subsequent violations will result in suspension of all work at the job site for a minimum of forty-eight (48) hours.
- Existing permanent signs removed by the Contractor for construction purposes other than stop, yield, and street name signs shall be returned to the City of McKinney. All stop, yield, and street name signs removed shall be temporarily erected in the appropriate locations and in accordance with the Texas MUTCD until permanent signing can be installed. Any temporary stop or yield sign locations to be left in place overnight requires prior approval from the Director of Engineering.
- Any permanent signs or existing pavement markings that conflict with the approved traffic control plan shall be covered, obliterated, or removed as directed by the Director of Engineering.
- Contractor shall notify the City of McKinney Signals Supervisor with 24 hour notice of any work to be performed on a roadway or driveway within 500 feet of an existing traffic signal. Temporary traffic control devices within vehicle detection zones shall not be installed or removed without consent from the Signal Supervisor. The first violation of this provision will result in a verbal warning to the Contractor. Subsequent violations will result in suspension of all work at the job site for a minimum of forty-eight (48) hours.
- Access must be maintained to all drives and side streets or as indicated in the Traffic Control Plan.

WATER

- Contractor shall submit a Trench Safety Plan to the McKinney Engineering Construction Inspector prior to the Pre-Construction Meeting for review and approval by the City.

- Prior to water line installation, Contractor shall provide flush and disinfection plan for review and approval by the City of McKinney Engineering Department.
- Contractor shall not operate existing McKinney water valves. Contractor shall contact the City of McKinney Engineering Construction Inspector for coordination with Public Works.
- All water services and water meters shall be size on size. No reductions in water meter sizing are allowed for single services.
- In Residential developments, Bullhead water services (dual meter box with single water service line tap) are required. The water service meter box shall be installed 6-inch behind the back of curb and 1 foot off of the property line.
- Each individual service location shall be sawcut into the face of the curb with a four (4) inch high "I" painted by the Contractor. If no curb exists, a similar mark shall be placed in the pavement near the edge of the roadway. After cleaning the sawcut via compressed air or brush, apply one coat of APWA Blue paint to mark the sawcut symbol.
- All water service lines shall be embedded with 6 in. sand below and around the pipe and 1 ft. of sand over the top of the pipe; from the water main to the meter. Water service lines within City roadway right-of-way shall be compacted to a minimum of the 95% Standard Proctor density.
- Minimum cover shall be 4 feet for 6-inch to 8-inch lines, 5 feet for 12-inch to 16-inch lines, and 6 feet for 20-inch and larger lines. Additional cover may be required in un-paved or un-developed areas.
- Water mains in the right-of-way near storm inlets shall be constructed with a minimum clearance of 12 inches behind the inlet by pulling the pipe using longitudinal bending in accordance to 75% of the pipe manufacturers' requirements.
- All City water main lines shall use Type "H" embedment.
- All blow-off (flush) valves shall be two (2) inch and shall be provided in accordance with City of McKinney standards. All main line stubouts shall have blow-off valves installed.
- All water line fittings shall be ductile iron. All 6-inch to 12-inch valves shall be AWWA approved resilient wedge gate valves.
- In addition to thrust blocking, all fittings must be restrained.
- Install 2 foot by 2 foot by 4-inch thick, concrete pad around all water valves outside of concrete pavement.
- Valve extensions shall be provided on all valves with operating nuts greater than 5 feet below finished ground or paving grade.
- All valves shall be marked with a four (4) inch high "V" by sawcut on the curb or pavement. The "V" shall point to the location of the valve as follows: If the valve is in the paving, the "V" shall be marked upright; if the valve is outside the paving, the "V" shall be marked upside down. After cleaning the sawcut via compressed air or brush, apply one coat of APWA Blue paint to mark the sawcut symbol.
- A Blue Stimsonite, Fire-Lite reflector(or approved equal)shall be placed in the center of the street opposite each fire hydrant.
- No testing (pressure and/or disinfection) is allowed against existing water valves.

WASTEWATER

- Contractor shall submit a Trench Safety Plan to the McKinney Engineering Construction Inspector prior to the Pre-Construction Meeting for review and approval by the City.
- After curb and paving has been completed, contractor shall cut a four (4) inch high "II" on the curb indicating the location of the cleanout. After cleaning the sawcut via compressed air or brush, apply one coat of APWA Green paint to mark the sawcut symbol.
- All sanitary sewer mains shall be tested by pulling a mandrel, air pressure test, and video inspected. Sewer laterals shall be tested by air pressure and video inspected after all franchise utilities have been installed. The video recordings shall be provided to the McKinney Engineering Construction Inspector in a DVD format and shall be labeled accordingly for City record.

- All sanitary sewer manholes within flood plains or flood prone areas require type "S" manhole lids.
- All manholes shall be vacuum tested where a 10-inch mercury vacuum is developed. The air vacuum shall then be monitored for a test period of 2 minutes. The allowance drop in air vacuum shall be no greater than 1-inch mercury over the test period.
- The contractor shall install City of McKinney standard wastewater manhole lids.
- Unless otherwise noted, in open spaces, the top of the sanitary sewer manhole shall be installed 3 inch above the surrounding ground and include manhole mow strip.
- All City sewer lines shall use Type "H" embedment.

STORM SEWER

- Contractor shall submit a Trench Safety Plan to the McKinney Engineering Construction Inspector prior to the Pre-Construction Meeting for review and approval by the City.
- Prior to final acceptance, the Contractor shall perform a video inspection of all storm sewers and provide a copy of the inspection to the McKinney Engineering Construction Inspector. All storm sewers shall be cleared of any sediment and debris.
- When there is less than two foot clearance between a water/sewer line and a storm sewer, the Contractor shall install concrete encasement around the sanitary sewer or water lines at the storm sewer crossing. The encasement shall be a minimum of 10 L.F. and 6-inch thick centered at the crossing.
- Manhole lids on storm sewer inlets and junction boxes shall be centered over the outgoing storm lateral.
- All bends and wyes for pipes less than 42-inch diameter must be factory manufactured bends and wyes.
- The contractor shall install City of McKinney standard storm sewer disc markers on all new inlets.
- The contractor shall install City of McKinney standard storm sewer manhole lids on inlets, manholes, junction boxes, etc.

PAVING

- All mix designs shall be signed and sealed by a Professional Engineer and submitted to the McKinney Engineering Construction Inspector a minimum of one week before a scheduled pour. Mix designs are subject to approval by the Director of Engineering.
- The Contractor shall give the McKinney Engineering Construction Inspector a minimum of 24 hour notice of his intention to construct Portland cement concrete pavement, structural concrete, or hot mix asphaltic concrete to assure the adequate quality control of construction materials and workmanship.
- No vehicles are permitted on reinforcing steel at any time.
- Full panel replacement required (where cut) or as required by the Director of Engineering.
- Restore permanent type pavements, alley pavement, sidewalks, driveways, curbs, gutters, and surface structures removed or disturbed during or as a result of construction operations to a condition which is equal in appearance and quality to the condition that existed before the work began. The surface of all improvements shall match the appearance of the existing surface.
- The subgrade for street and driveway pavement shall be prepared by excavating and filling the area as required, to bring the grade to the elevations as shown on the Drawings. All areas that are intended to be paved shall be proof rolled once the subgrade has been prepared and compacted. McKinney Engineering Construction Inspector must be present to observe proof rolling.

- All concrete paving, including sidewalks and hike & bike trails, shall have a minimum compressive strength of 4000 psi, unless a higher compressive strength is specified.
- All fill shall be compacted to 95% Standard Proctor Density in a maximum of 6-inch lifts or per the approved Geotechnical Engineers Report.
- The subgrade shall extend a minimum of 12-inches beyond the back of curb to the minimum depths specified in the McKinney Engineering Design Manual or greater depths as recommended in the site specific geotechnical report. The Contractor shall obtain a site specific lime series and add sufficient lime accordingly to achieve a Plasticity Index not to exceed 12.
- A subgrade density report must be presented to the City Inspector prior to paving. Densities are only valid for 72 hours. Densities received on a Friday are valid until noon on the following Monday. Densities taken before inclement weather may be required to be retaken at the City Inspectors discretion. A minimum of four (4) test cylinders are required for breaks at 7 days, 2 at 28 days, and the last cylinder being an extra.
- All City streets are required to be paved with the use of an approved slip form paving machine with mechanical vibration. Hand pours are only allowed at intersection returns or other non-standard areas as approved by the City Inspector. Hand pours shall be vibrated by an approved hand vibrator.
- Expansion joints shall be placed a maximum of 400 feet.
- All median noses shall be poured monolithically.

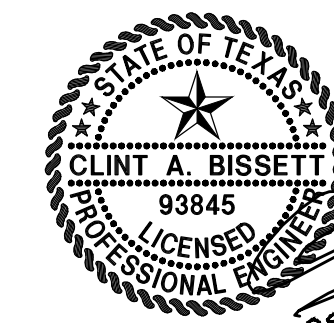
TESTING AND QUALITY CONTROL

- The Owner will employ the services of an engineering testing laboratory to make certain inspections and to sample and test the materials to be used in the Work on all Developer projects. The Owner shall furnish, at his own expense, all necessary specimens for testing of the materials and when requested, shall furnish a complete written statement of the origin, composition, and/or manufacturer of any or all materials that are to be used in the Work. All materials not conforming to the requirements of the Specifications will be rejected. For CIP projects, the City will typically provide the services of the engineering testing lab.
- During the construction, the engineering testing laboratory will perform services related to checking the quality of the Work being performed by the Contractor to determine if the improvements are being constructed in accordance with the Plans and Specifications. This quality control service does not relieve the Contractor of its responsibility with regard to constructing the work in accordance with the contract.
- The Contractor must ensure the testing laboratory representative has arrived onsite prior to beginning any Work requiring sampling and testing. The testing laboratory representative shall be equipped with the appropriate testing equipment, properly maintained, and calibrated as verified by the Contractor. In the event the scope and schedule of the work warrants, the laboratory shall provide sufficient additional representatives. The testing laboratory shall issue all reports to the designated distribution list in a timely fashion. All test results that do not comply with project Specifications shall be clearly indicated.

GENERAL CONSTRUCTION NOTES

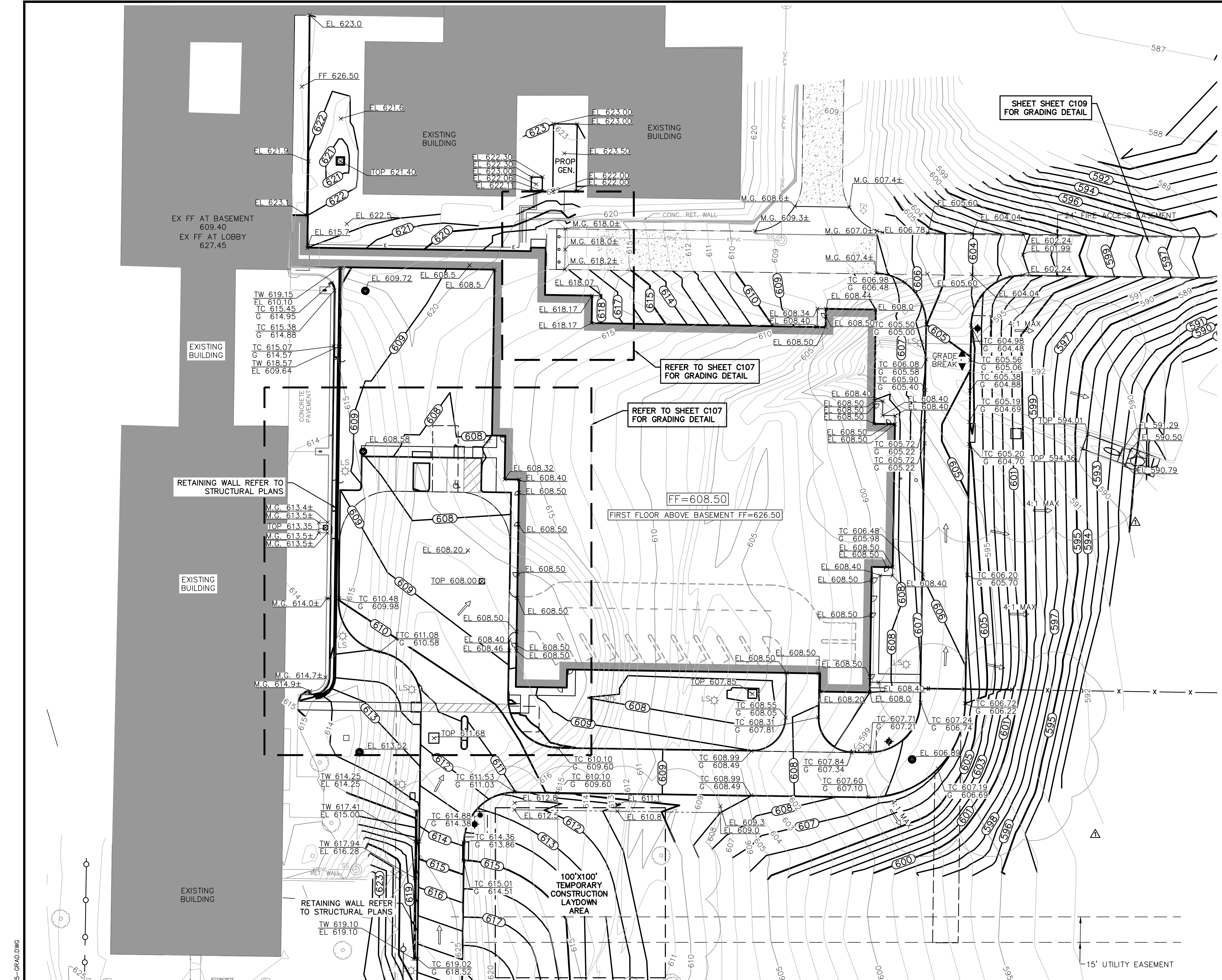
OCTOBER 2019
SHEET 2 OF 2

CITY OF MCKINNEY ENGINEERING DEPARTMENT
221 N TENNESSEE ST
MCKINNEY, TX 75069 P (972) 547-7475
F (972) 547-2804



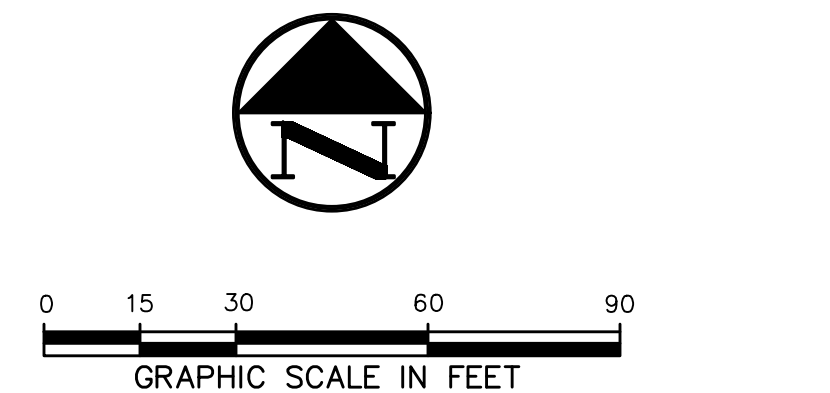
08-16-21
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY CLINT A. BISSETT, P.E. 93845 ON 08/16/2021. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

NO.	DATE	REVISION
1	10/19/2021	2021-09-22 CITY COMMENTS PR # 1
118 N. OHIO STREET CELINA, TX 75009 214.451.2765 TX REG. ENGINEERING FIRM F-469 TX REG. SURVEYING FIRM LS-1008000		
CITY GENERAL NOTES		
COLLIN COUNTY ADF - PHASE 1 ADDITION		
COLLIN COUNTY JUSTICE CENTER		
4300 COMMUNITY AVENUE		
CITY OF MCKINNEY, COLLIN COUNTY, TEXAS		
DESIGN	DRAWN	DATE
CAB	DMR	AUGUST 2021
SCALE	NOTES	FILE
N.T.S.		
NO.	C002	



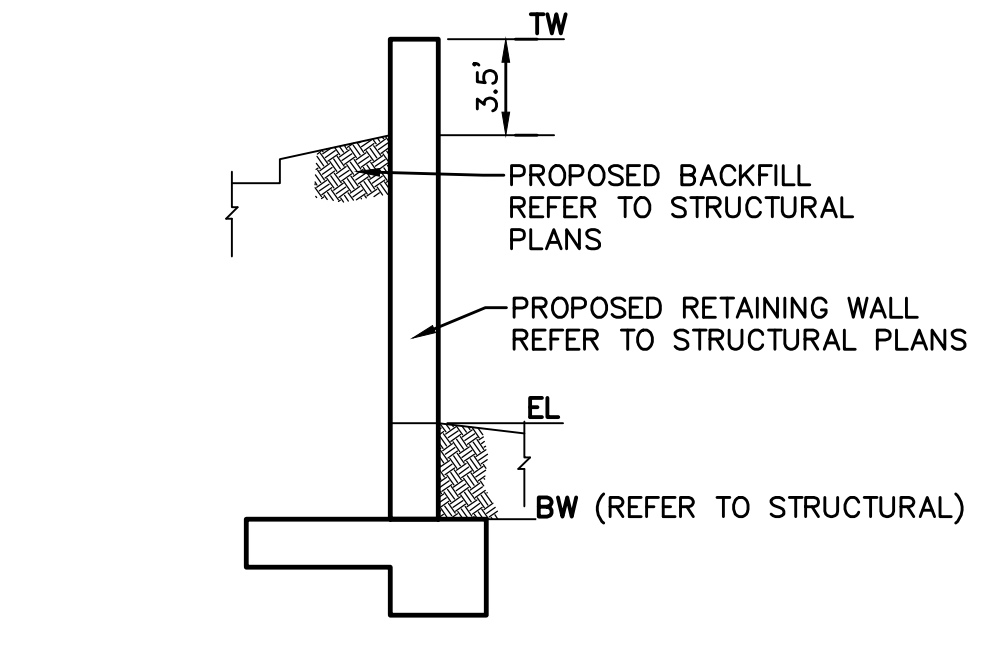
COORDINATE!!

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
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---	PROPOSED SPOT ELEVATION
---	PROPOSED TOP OF WALL ELEVATION
M.G.	MATCH EXISTING GRADE
---	PROPOSED SWALE
---	PROPOSED GRADE BREAK
---	PROPOSED DRAINAGE FLOW DIRECTION



1 WALL NOMENCLATURE
NOT TO SCALE

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.

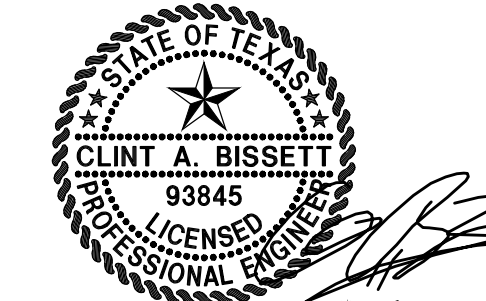
CONTRACTOR IS RESPONSIBLE FOR MEETING ALL BONDING REQUIREMENTS FOR WORK IN THE CITY OF MCKINNEY AS WELL AS ALL FEES REQUIRED BY THE CITY FOR CONSTRUCTION OF THE SIDE CIVIL IMPROVEMENTS.

BENCH MARK LIST

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

MATCH LINE - SEE SHEET C106

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
1	10/19/2021	2021-09-22 CITY COMMENTS PR #1

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

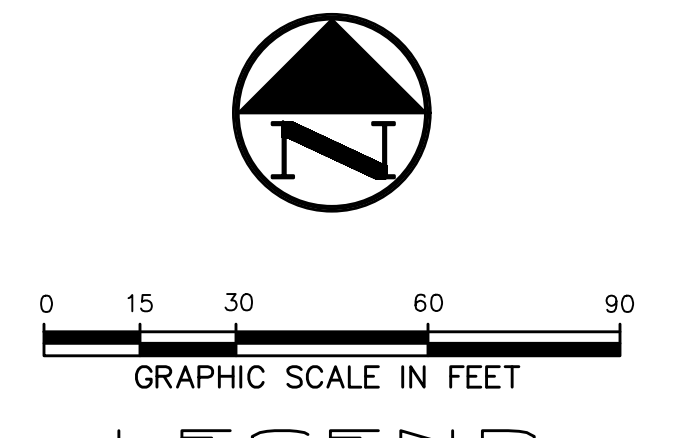
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COLLIN COUNTY ADF - PHASE 1 ADDITION

COMMUNITY AVENUE

COORDINATE!!

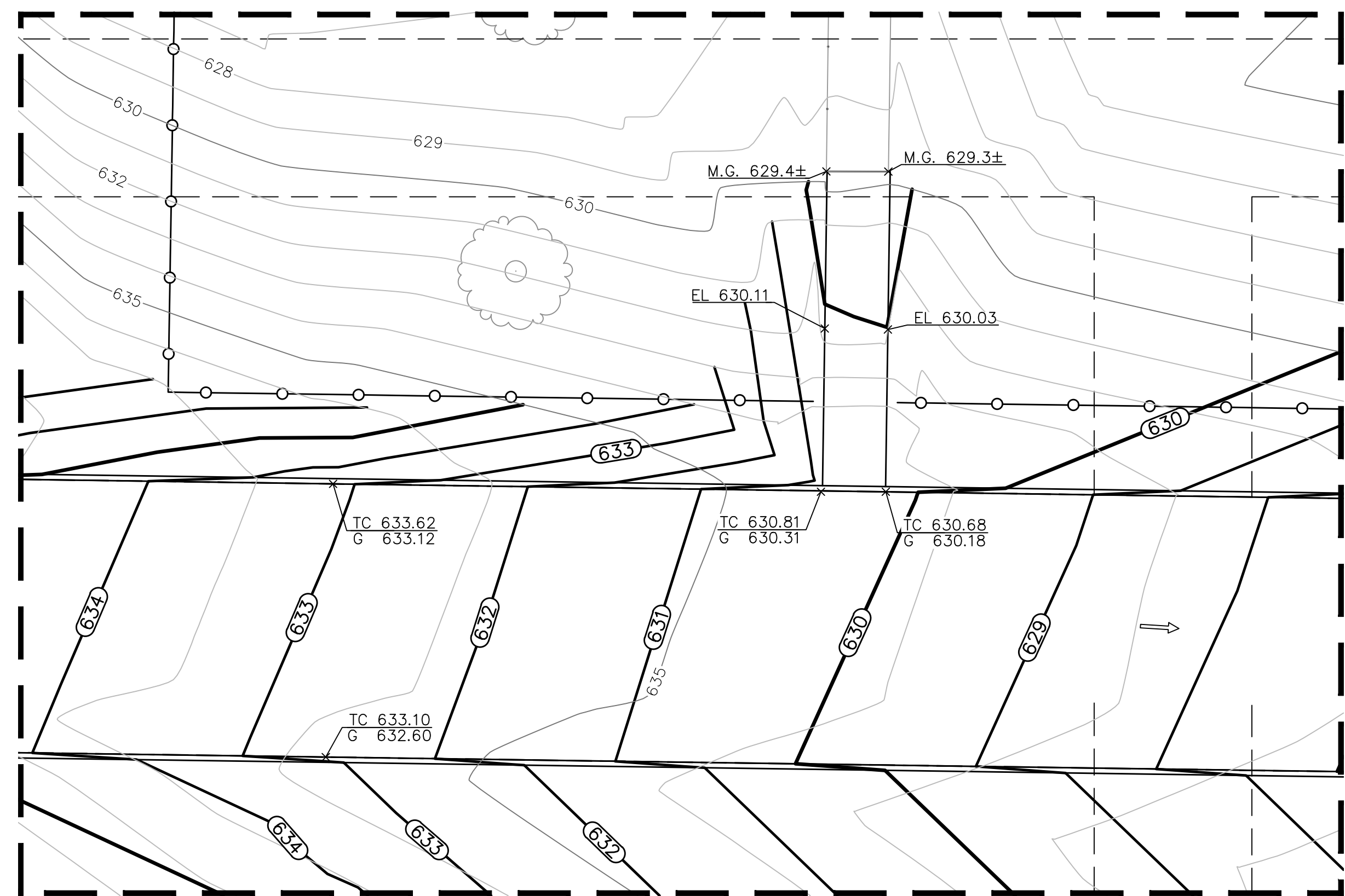
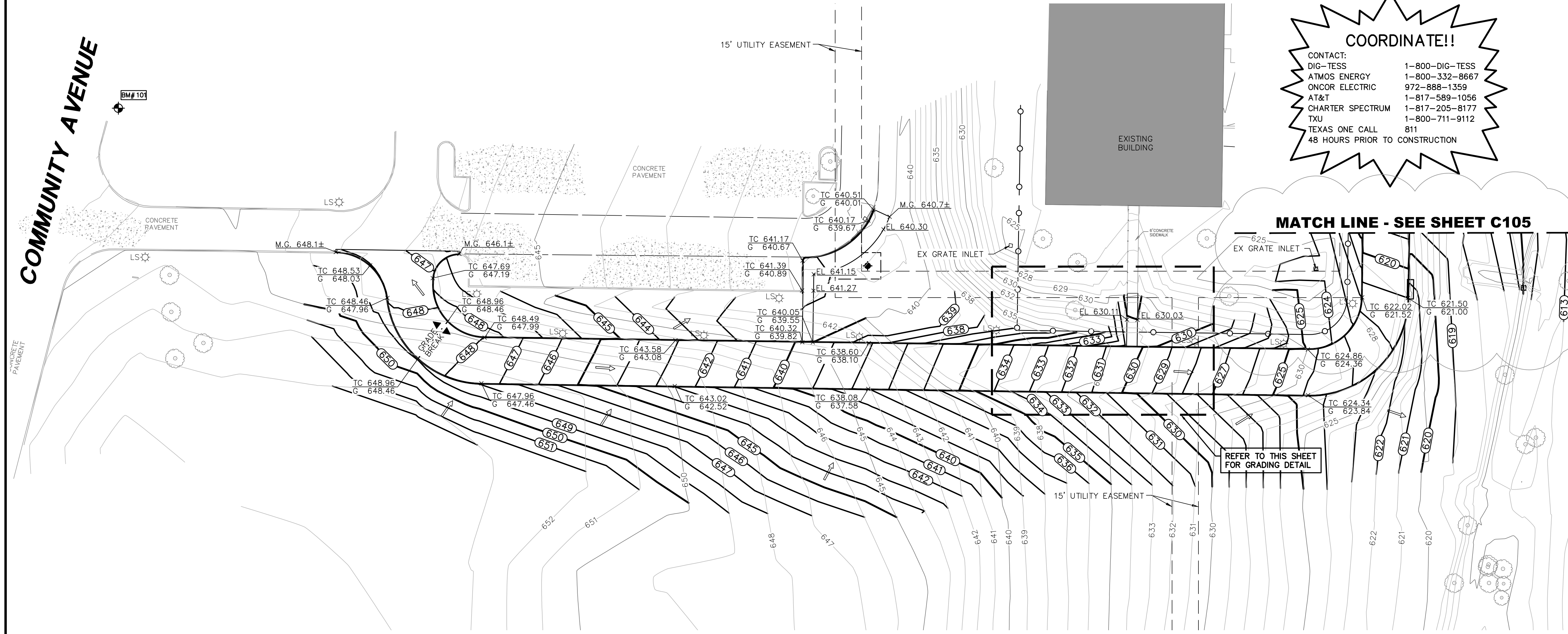
CONTACT:
 DIG-TESS 1-800-DIG-TESS
 ATMOS ENERGY 1-800-332-8667
 ONCOR ELECTRIC 972-888-1359
 AT&T 1-817-589-1056
 CHARTER SPECTRUM 1-817-205-8177
 TXU 1-800-711-9112
 TEXAS ONE CALL 811
 48 HOURS PRIOR TO CONSTRUCTION



- LEGEND**
- BL BOLLARD
 - EM ELECTRIC METER
 - PP POWER POLE
 - LS LIGHT STANDARD
 - WM WATER METER
 - WV WATER VALVE
 - ICV IRRIGATION CONTROL VALVE
 - FC FIRE HYDRANT
 - CO CLEANOUT
 - MH MANHOLE
 - TSC TRAFFIC SIGNAL CONTROL
 - TSP TRAFFIC SIGNAL POLE
 - TEL TELEPHONE BOX
 - FL FLOOD LIGHT
 - FP FLAG POLE
 - TS TRAFFIC SIGN
 - IRS 1/2-INCH IRON ROD
 - (C.M.) W/"PACHECO KOCH" CAP SET
 - CONTROLLING MONUMENT
 - PROPERTY LINE
 - FENCE
 - OHL OVERHEAD UTILITY LINE
 - 613 EXIST CONTOUR
 - 612.39 EXIST SPOT ELEVATION
 - TC 612.39 EXIST TOP OF CURB ELEVATION
 - G 611.89 EXIST GUTTER ELEVATION
 - 400 PROPOSED CONTOUR
 - TC 614.50 PROPOSED TOP OF CURB ELEVATION
 - G 614.00 PROPOSED GUTTER ELEVATION
 - EL 614.25 PROPOSED SPOT ELEVATION
 - TW 620.50 PROPOSED TOP OF WALL ELEVATION
 - M.G. MATCH EXISTING GRADE
 - PROPOSED SWALE
 - PROPOSED GRADE BREAK
 - PROPOSED DRAINAGE FLOW DIRECTION

GRADING & DRAINAGE GENERAL NOTES

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



GRADING DETAIL
1:10 SCALE

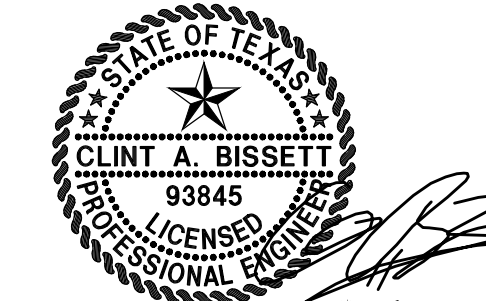
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BM# 100	SET " X " CUT 598.7 LF WEST AND 294.3 LF SOUTH OF THE EXISTING SHERIFF'S STATION SOUTHWEST BUILDING CORNER.	N: 7141196.58 E: 2538329.23 ELEV=653.08
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COLLIN COUNTY ADF - PHASE 1 ADDITION

COLLIN COUNTY JUSTICE CENTER

4300 COMMUNITY AVENUE

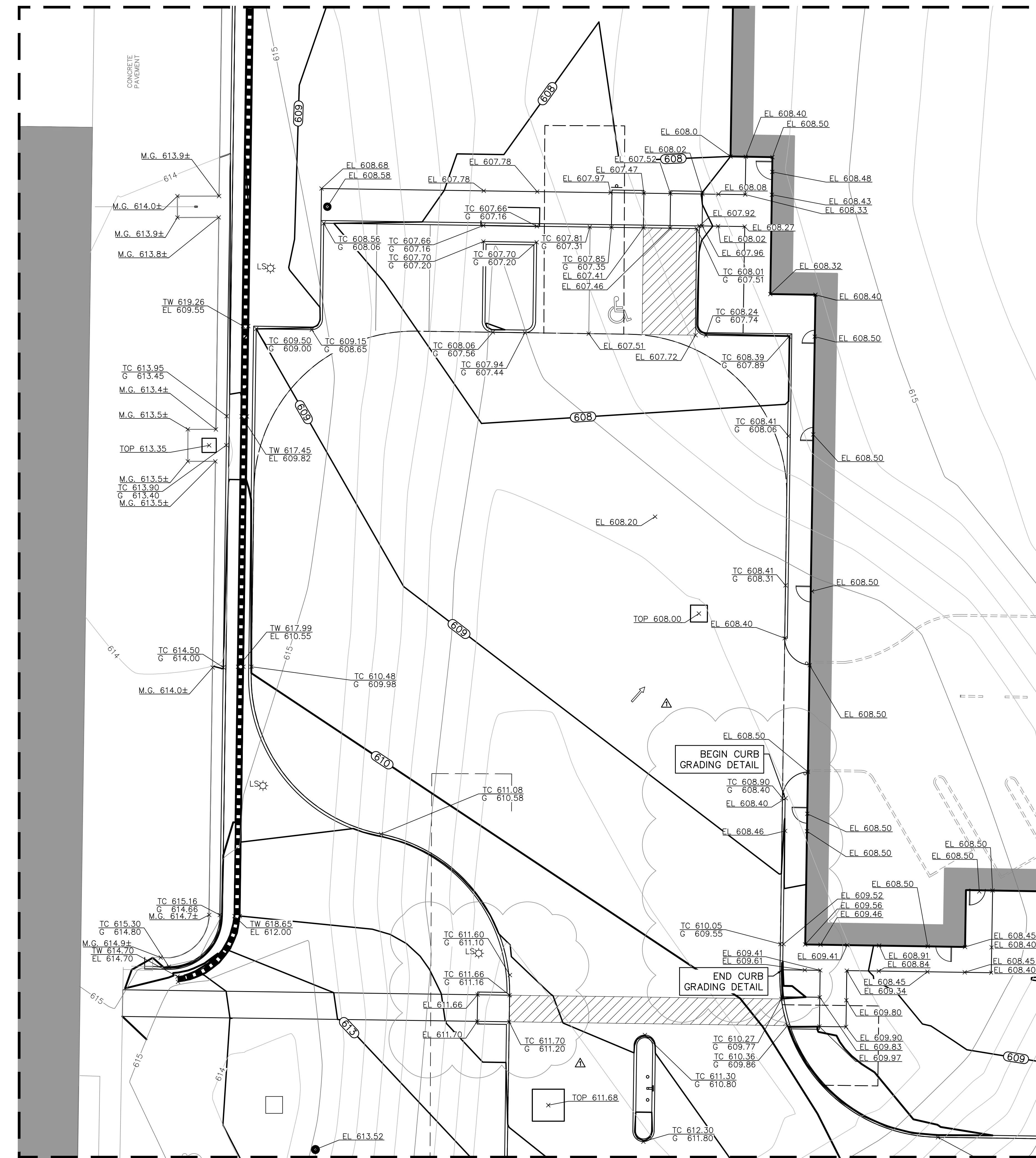
CITY OF MCKINNEY, COLLIN COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
CAB	DMR	AUGUST 2021	1"=30'			C106

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COLLIN COUNTY ADF - PHASE 1 ADDITION

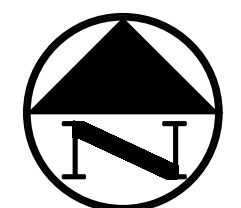
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GRADING DETAIL
1:10 SCALE

COORDINATE!!

CONTACT:
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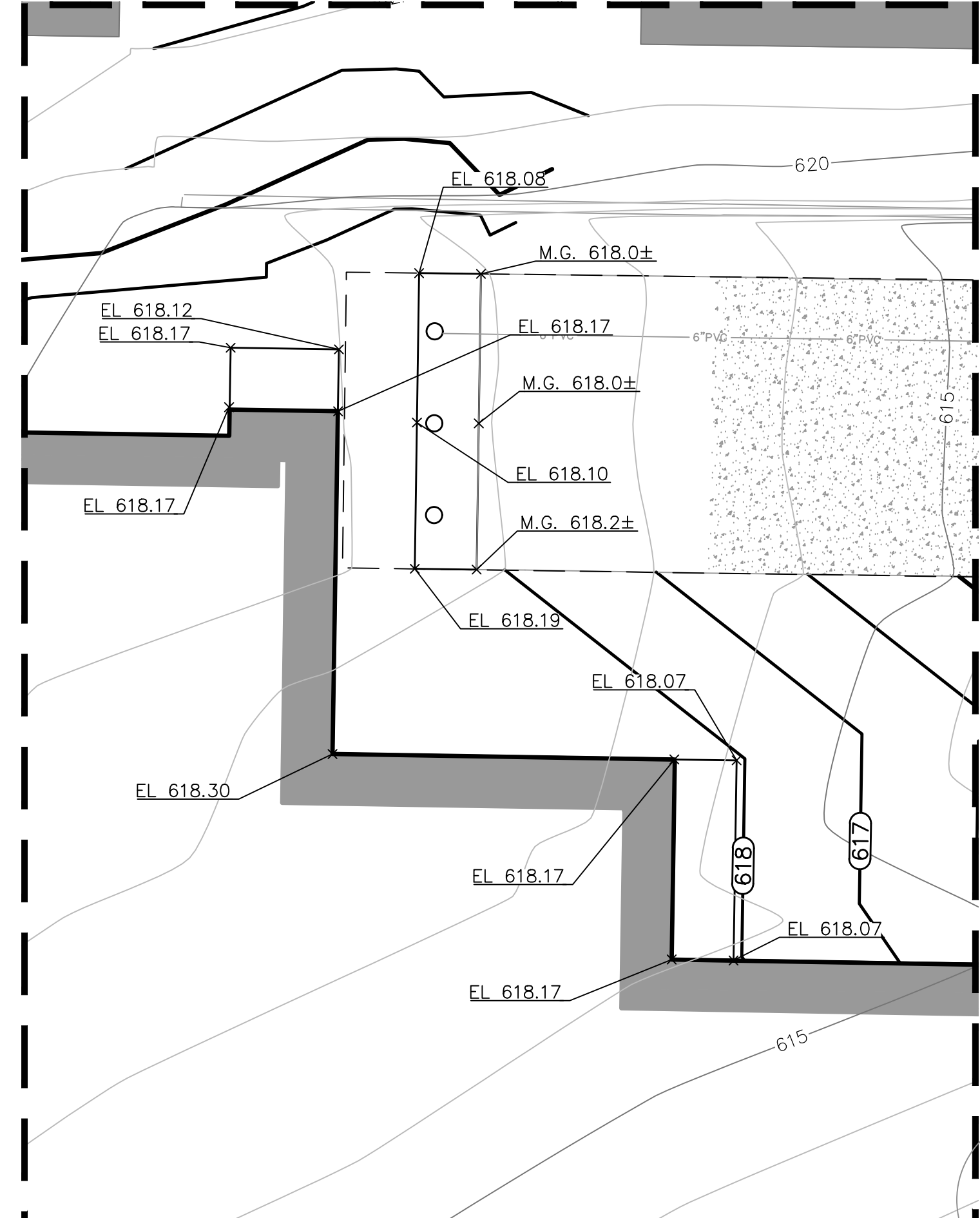


LEGEND

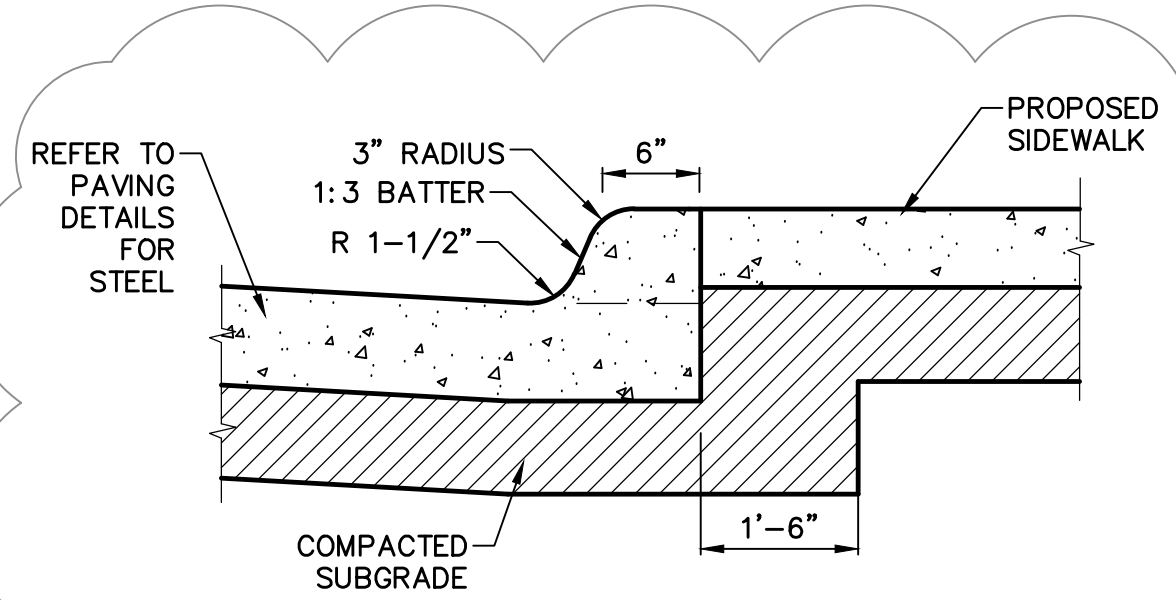
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GRADING & DRAINAGE GENERAL NOTES

- REFER TO SHEET C105 FOR GRADING AND DRAINAGE NOTES.

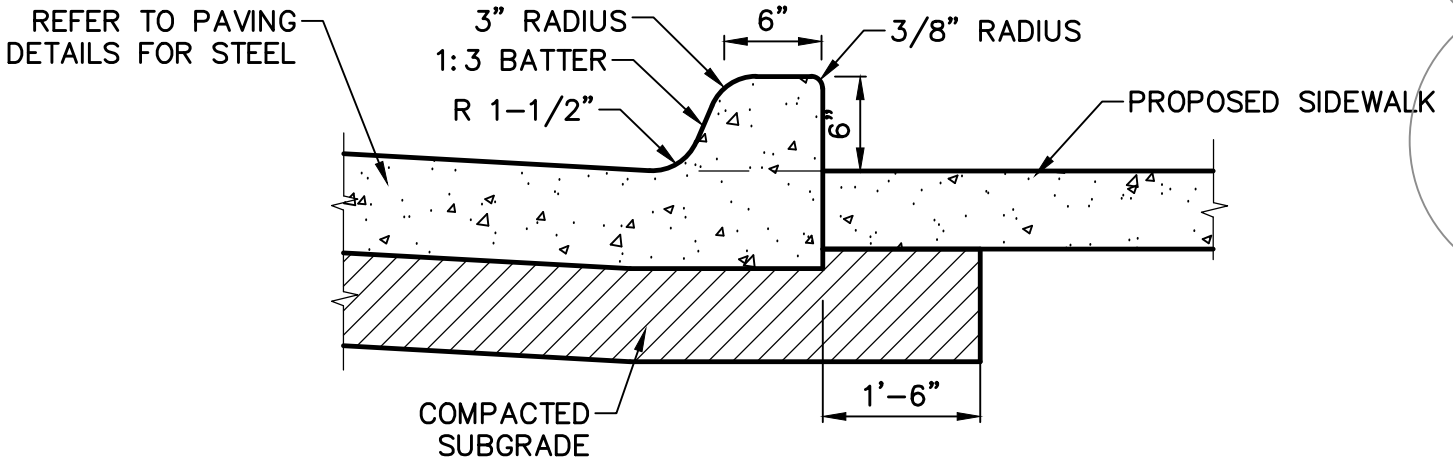


GRADING DETAIL
1:10 SCALE



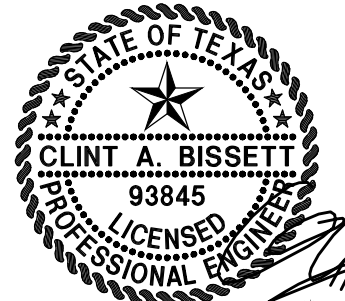
STANDARD CURB GRADING DETAIL

1 NOT TO SCALE



CURB GRADING DETAIL

1 NOT TO SCALE



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NO.	DATE	REVISION
1	10/19/2021	2021-09-22 CITY COMMENTS PR#1

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

GRADING DETAIL

COLLIN COUNTY ADF - PHASE 1 ADDITION

COLLIN COUNTY JUSTICE CENTER

4300 COMMUNITY AVENUE

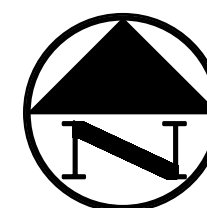
CITY OF MCKINNEY, COLLIN COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
CAB	DMR	AUGUST 2021	1"=10'			C107

COLLIN COUNTY ADF - PHASE 1 ADDITION

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



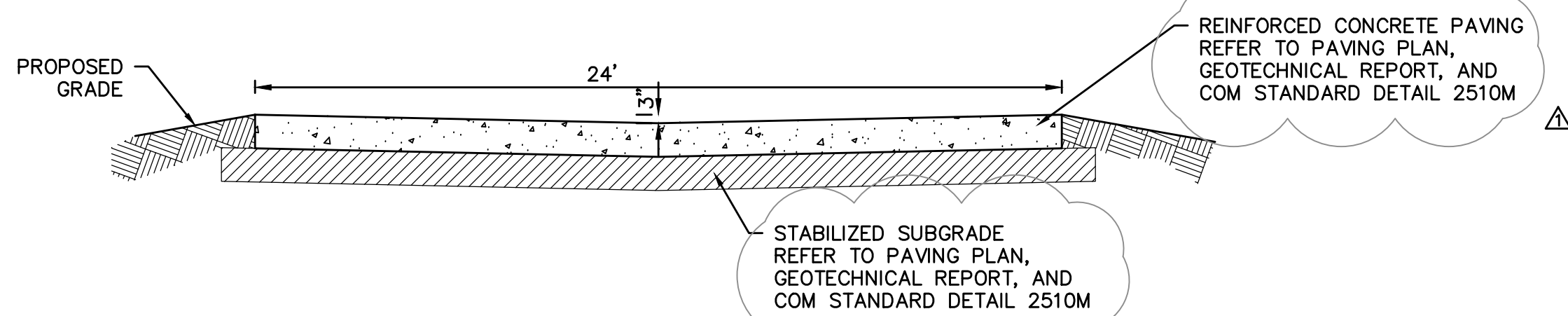
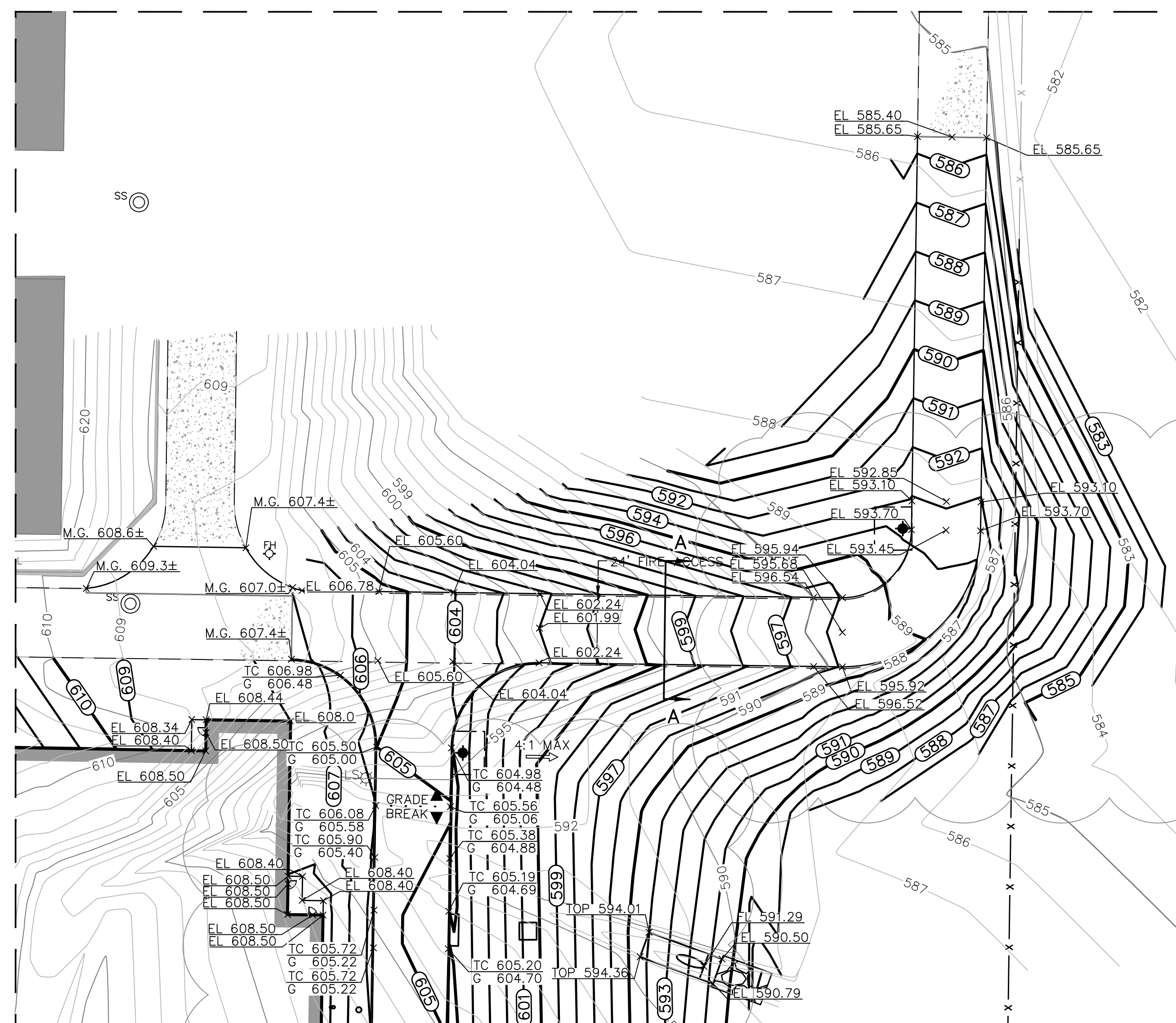
0 15 30 60 90
 GRAPHIC SCALE IN FEET

LEGEND

- B. BOLLARD
- EM_o 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
- IRS 1/2-INCH IRON ROD
- (C.M.) W/"PACHECO KOCH" CAP SET
- CONTROLLING MONUMENT
- PROPERTY LINE
- FENCE
- OH. OVERHEAD UTILITY LINE
- 61.3 EXIST CONTOUR
- 612.39 EXIST SPOT ELEVATION
- TC 612.39 EXIST TOP OF CURB ELEVATION
- G 611.89 EXIST GUTTER ELEVATION
- (400) PROPOSED CONTOUR
- TC 614.50 PROPOSED TOP OF CURB ELEVATION
- G 614.00 PROPOSED GUTTER ELEVATION
- EL 614.25 PROPOSED SPOT ELEVATION
- TW 620.50 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 SHEET C105 FOR GRADING AND DRAINAGE GENERAL NOTES



1 **TYPICAL SECTION A-A**
 NOT TO SCALE

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

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NO.	DATE	REVISION
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Pacheco Koch
 118 N. OHIO STREET
 CELINA, TX 75009 214.451.2765
 TX REG. ENGINEERING FIRM F-469
 TX REG. SURVEYING FIRM LS-10008000

GRADING DETAIL

COLLIN COUNTY ADF - PHASE 1 ADDITION

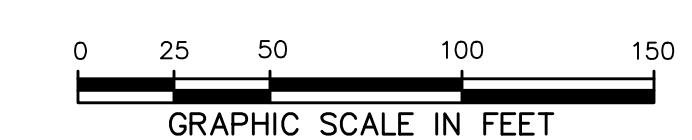
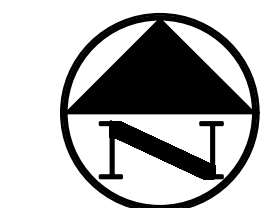
COLLIN COUNTY JUSTICE CENTER

4300 COMMUNITY AVENUE

CITY OF MCKINNEY, COLLIN COUNTY, TEXAS

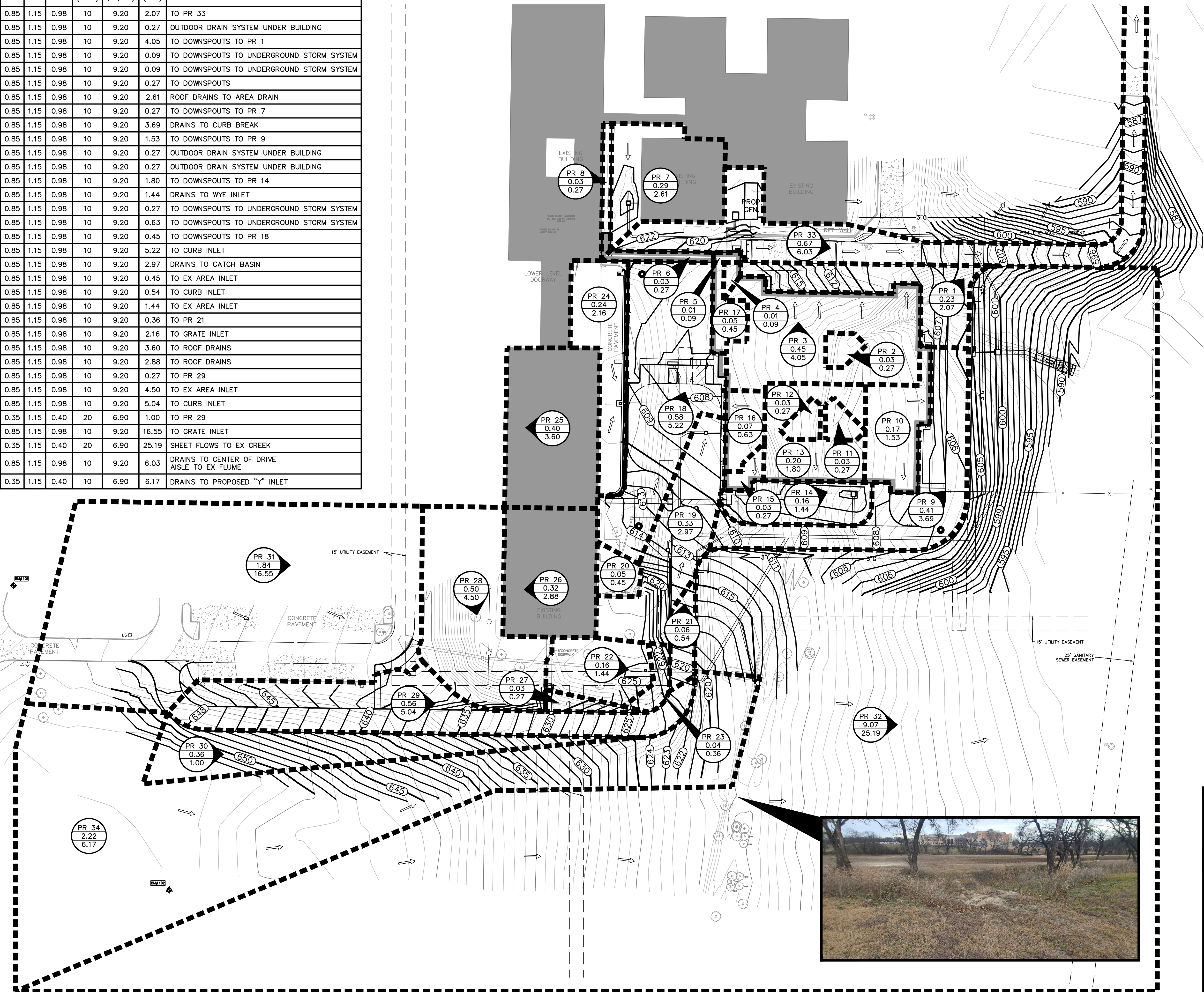
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
CAB	DMR	AUGUST 2021	1"=30'			C109

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



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
CD	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	PROPOSED DRAINAGE AREA ID
1.00	AREA IN ACRES
7.99	Q ₁₀₀ IN CUBIC FEET PER SECOND

COMMUNITY AVENUE



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NO.	DATE	REVISION
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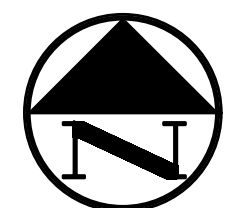
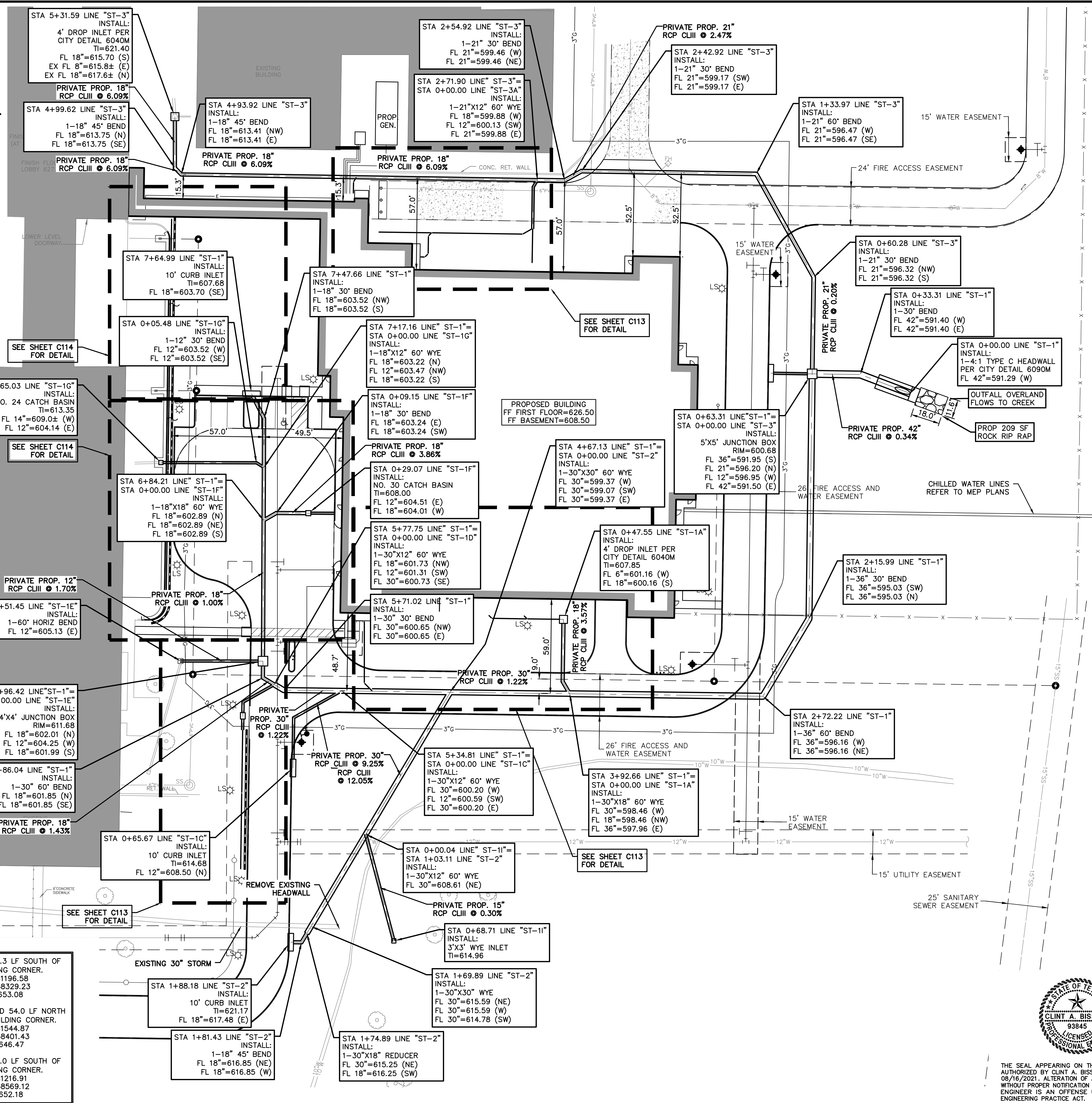
Pacheco Koch
 118 N. OHIO STREET
 CELINA, TX 75009 214.451.2765
 TX REG. ENGINEERING FIRM F-469
 TX REG. SURVEYING FIRM LS-10008000

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

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



GRAPHIC SCALE IN FEET
 0 15 30 60 90

- LEGEND**
- BL BOLLARD
 - EMD 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
 - TELEPHONE BOX
 - FL FLOOD LIGHT
 - FP FLAG POLE
 - SIGN TRAFFIC SIGN
 - IRS 1/2-INCH IRON ROD
 - (C.M.) W/PACHICO KOCH" CAP SET
 - 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.

SEE SHEET C114 FOR DETAIL

SEE SHEET C113 FOR DETAIL

SEE SHEET C113 FOR DETAIL

H:\PROJECTS\2021\2477-20_345\DWG\CIVIL_C3D_2018\2477-20_345-STRM.DWG
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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

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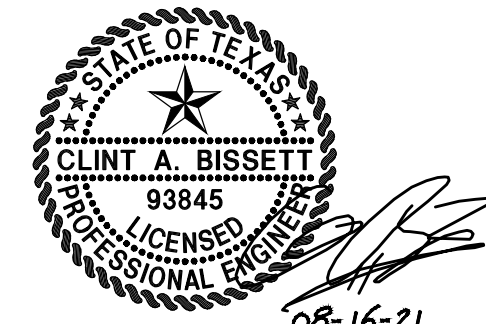
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NO.	DATE	REVISION
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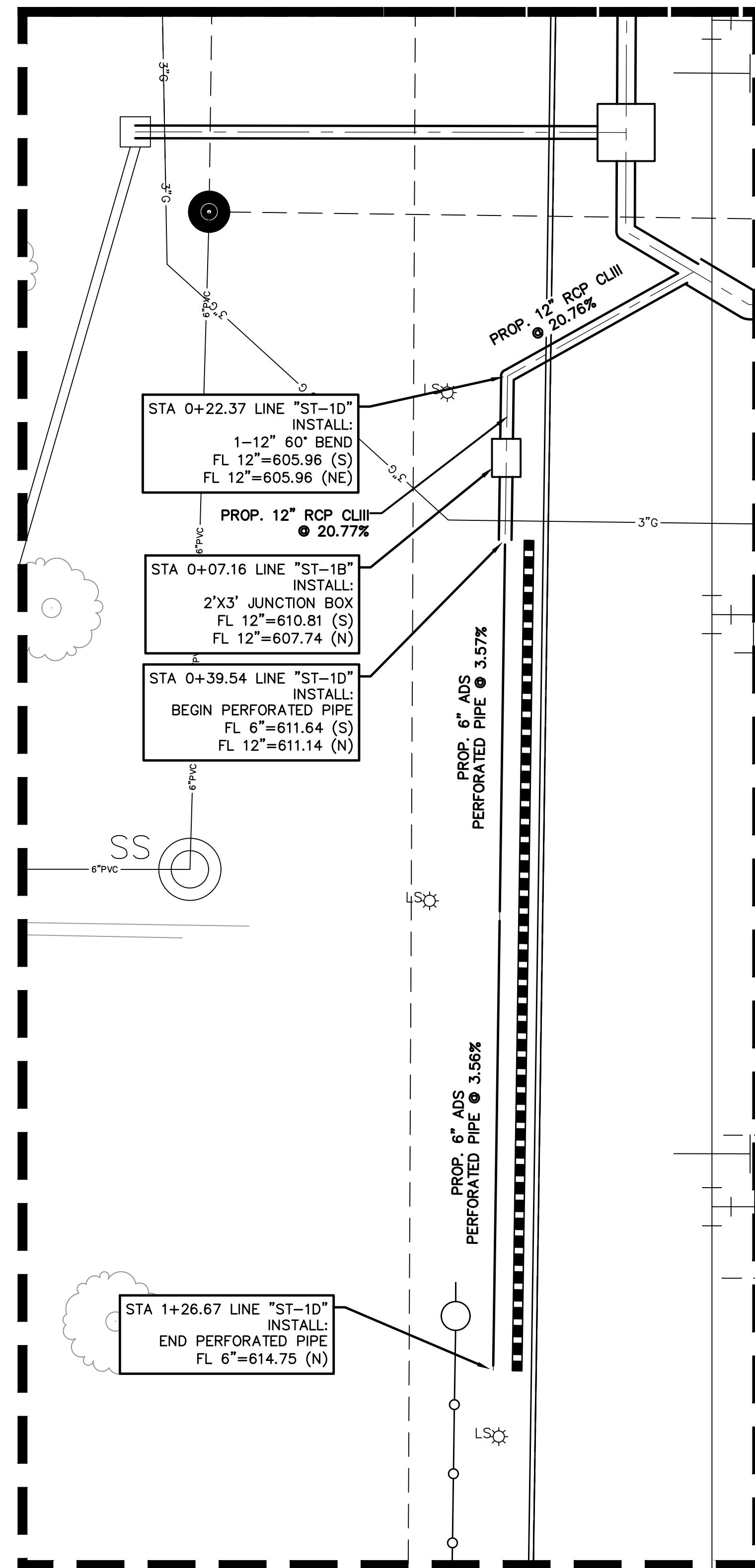
Pacheco Koch
 118 N. OHIO STREET
 CELINA, TX 75009 214.451.2765
 TX REG. ENGINEERING FIRM F-469
 TX REG. SURVEYING FIRM LS-10080000

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



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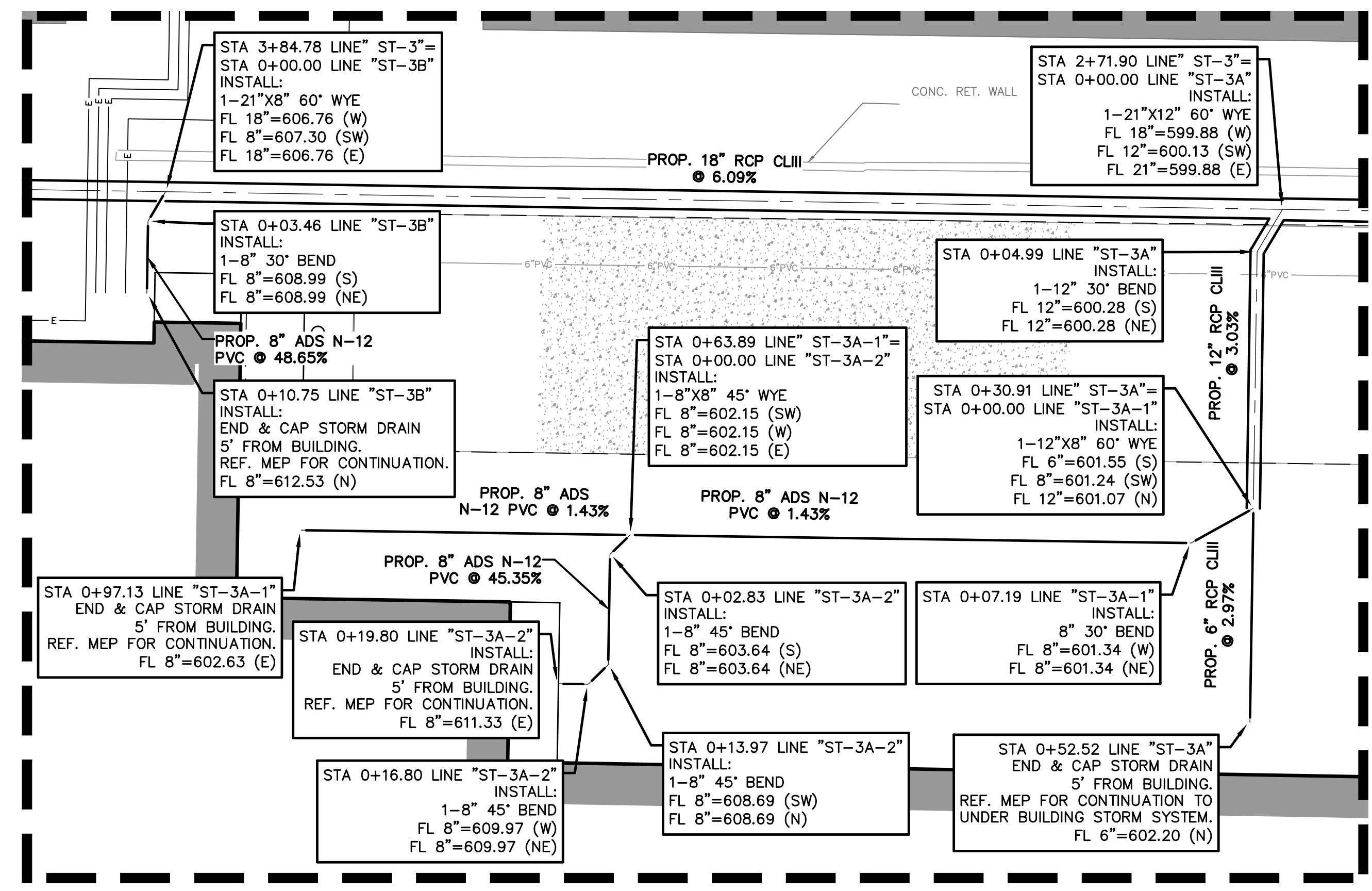
RETAINING WALL UNDER DRAIN DETAIL
1:10 SCALE

BENCH MARK LIST

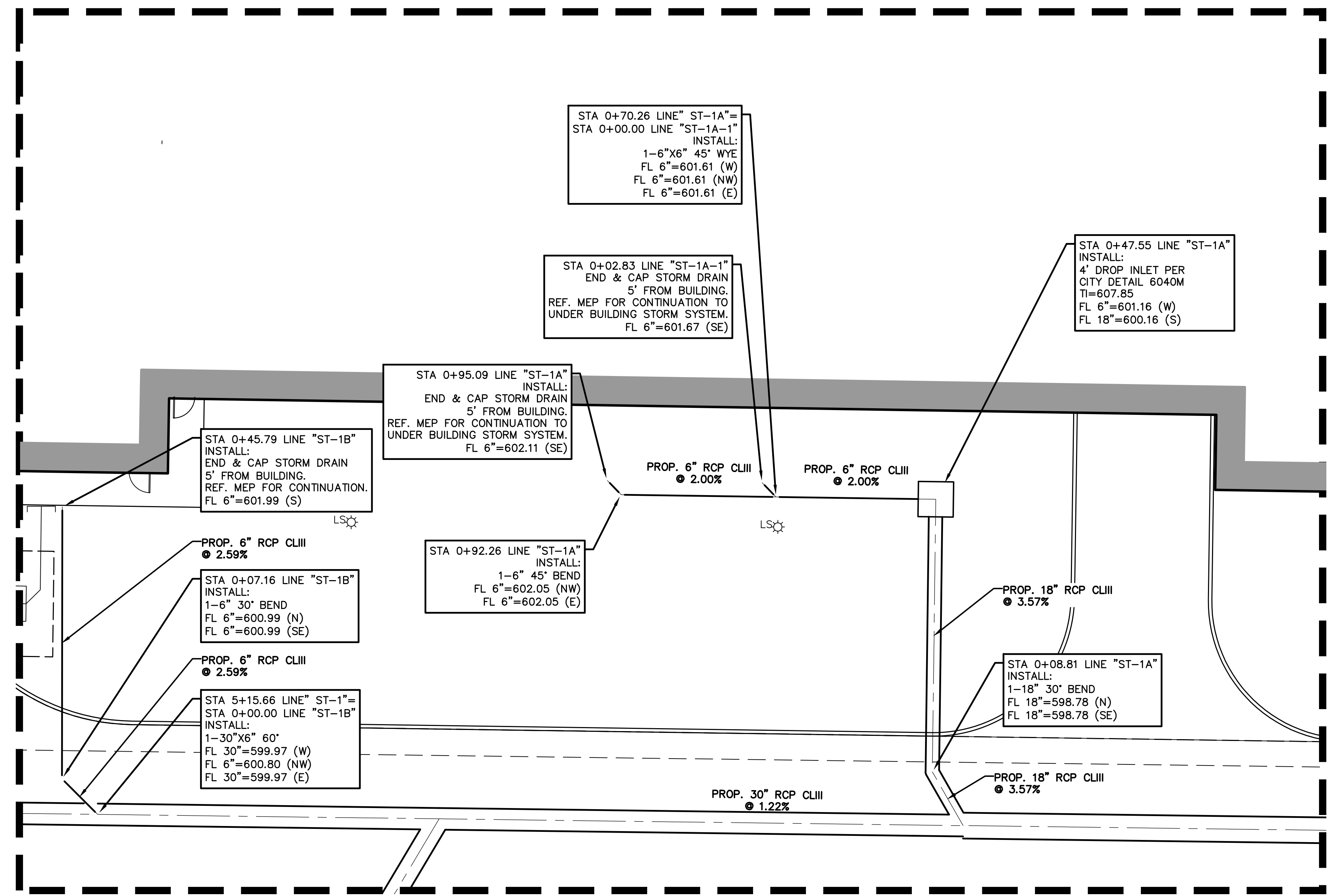
BM# 100	SET " X " CUT 598.7 LF WEST AND 294.3 LF SOUTH OF THE EXISTING SHERIFF'S STATION SOUTHWEST BUILDING CORNER.	N: 7141196.58 E: 2538329.23 ELEV=653.08
BM# 101	1/2" SIR W/ TP CAP 526.5 LF WEST AND 54.0 LF NORTH OF THE EXISTING SHERIFF'S STATION SOUTHWEST BUILDING CORNER.	N: 7141544.87 E: 2538401.43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

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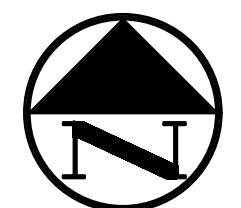
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STORM DRAIN DETAIL
1:10 SCALE



STORM DRAIN DETAIL
1:10 SCALE



0 5 10 20 30
GRAPHIC SCALE IN FEET

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
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SIGN	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
	TOP OF INLET

GRADING & DRAINAGE GENERAL NOTES

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COORDINATE!!

CONTACT:
 DIG-TESS 1-800-DIG-TESS
 ATMOS ENERGY 1-800-332-8667
 ONCOR ELECTRIC 972-888-1359
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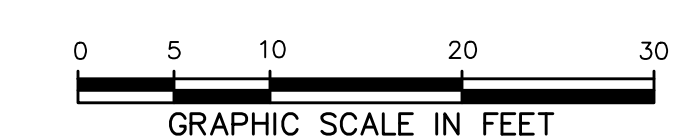
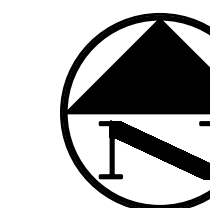
Pacheco Koch
 118 N. OHIO STREET
 CELINA, TX 75009 214.451.2765
 TX REG. ENGINEERING FIRM F-469
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STORM SEWER PLAN
COLLIN COUNTY ADF - PHASE 1 ADDITION
COLLIN COUNTY JUSTICE CENTER
4300 COMMUNITY AVENUE
CITY OF MCKINNEY, COLLIN COUNTY, TEXAS

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

HBUSSSEL 1/24/2022 9:54 AM
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COLLIN COUNTY ADF - PHASE 1 ADDITION



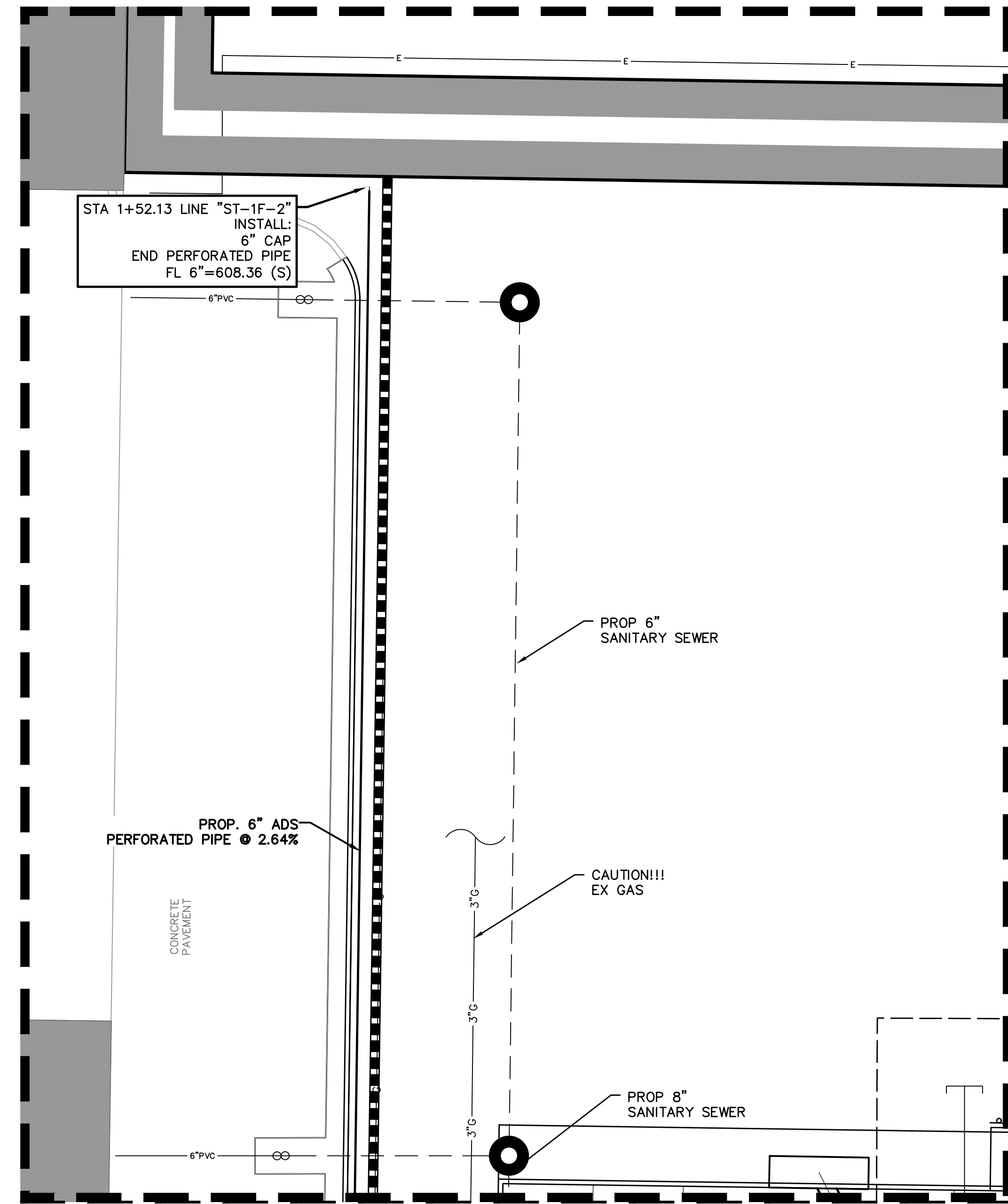
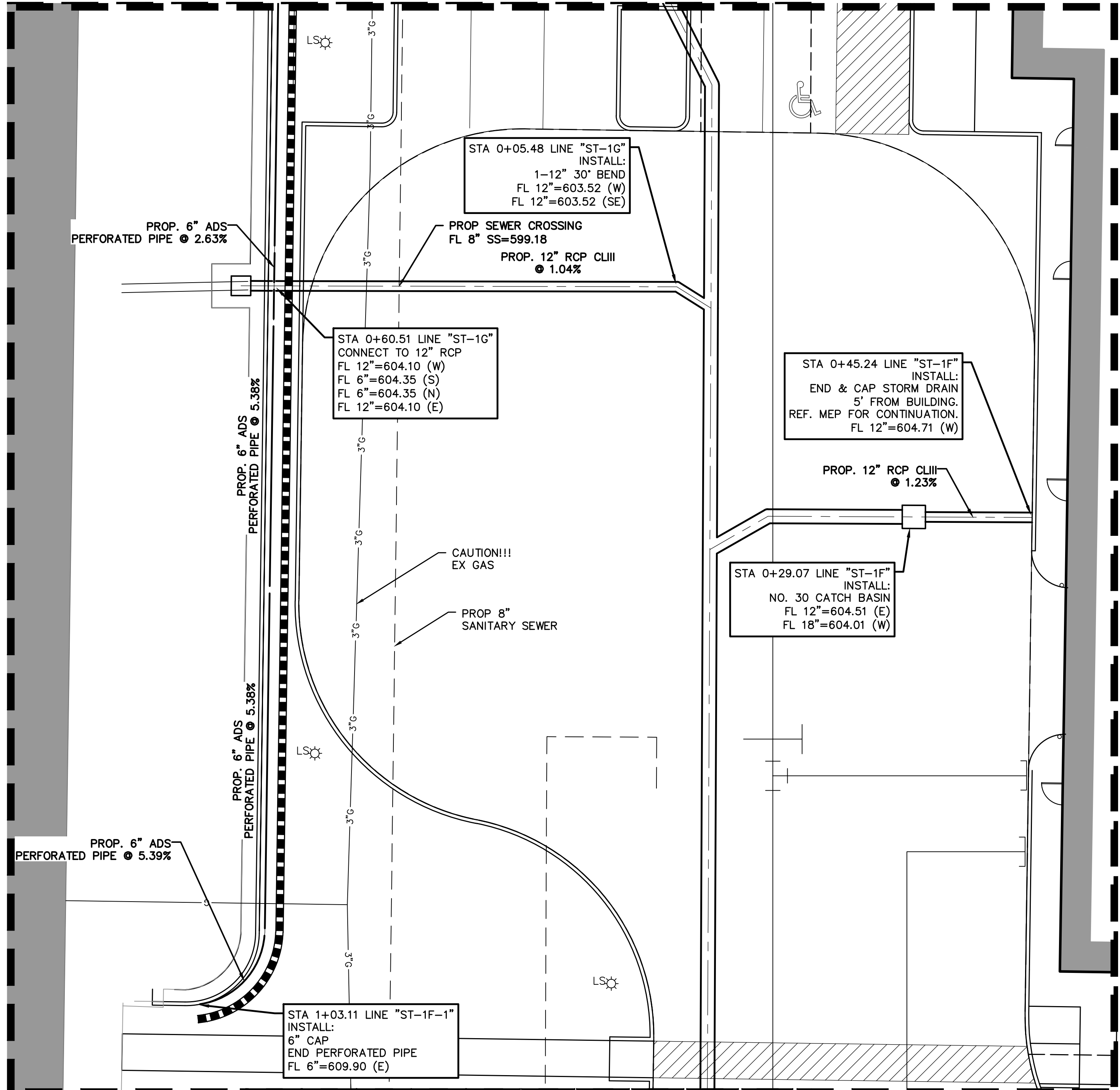
LEGEND

B.	BOLLARD
EM _D	ELECTRIC METER
PP.	POWER POLE
LS.	LIGHT STANDARD
WM _D	WATER METER
WV _D	WATER VALVE
ICV _D	IRRIGATION CONTROL VALVE
FD _D	FIRE HYDRANT
CO.	CLEANOUT
MH@	MANHOLE
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TSP	TRAFFIC SIGNAL POLE
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FL	FLOOD LIGHT
FP.	FLAG POLE
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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
---	TOP OF INLET

GRADING & DRAINAGE GENERAL NOTES

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MATCH LINE - THIS SHEET



MATCH LINE - THIS SHEET

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

COORDINATE!!!

- CONTACT:
- | | |
|------------------|----------------|
| DIG-TESS | 1-800-DIG-TESS |
| ATMOS ENERGY | 1-800-332-8667 |
| ONCOR ELECTRIC | 972-888-1359 |
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| CHARTER SPECTRUM | 1-817-205-8177 |
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| TEXAS ONE CALL | 811 |
- 48 HOURS PRIOR TO CONSTRUCTION

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
1	10/19/2021	2021-09-22 CITY COMMENTS PR #1

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 PLAN

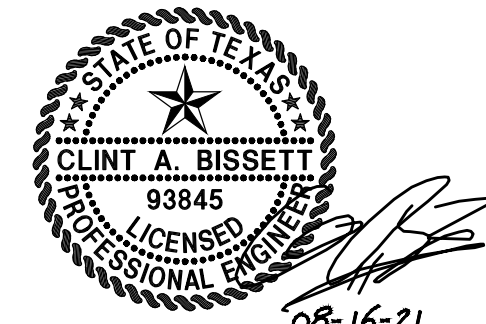
COLLIN COUNTY ADF - PHASE 1 ADDITION

COLLIN COUNTY JUSTICE CENTER

4300 COMMUNITY AVENUE

CITY OF MCKINNEY, COLLIN COUNTY, TEXAS

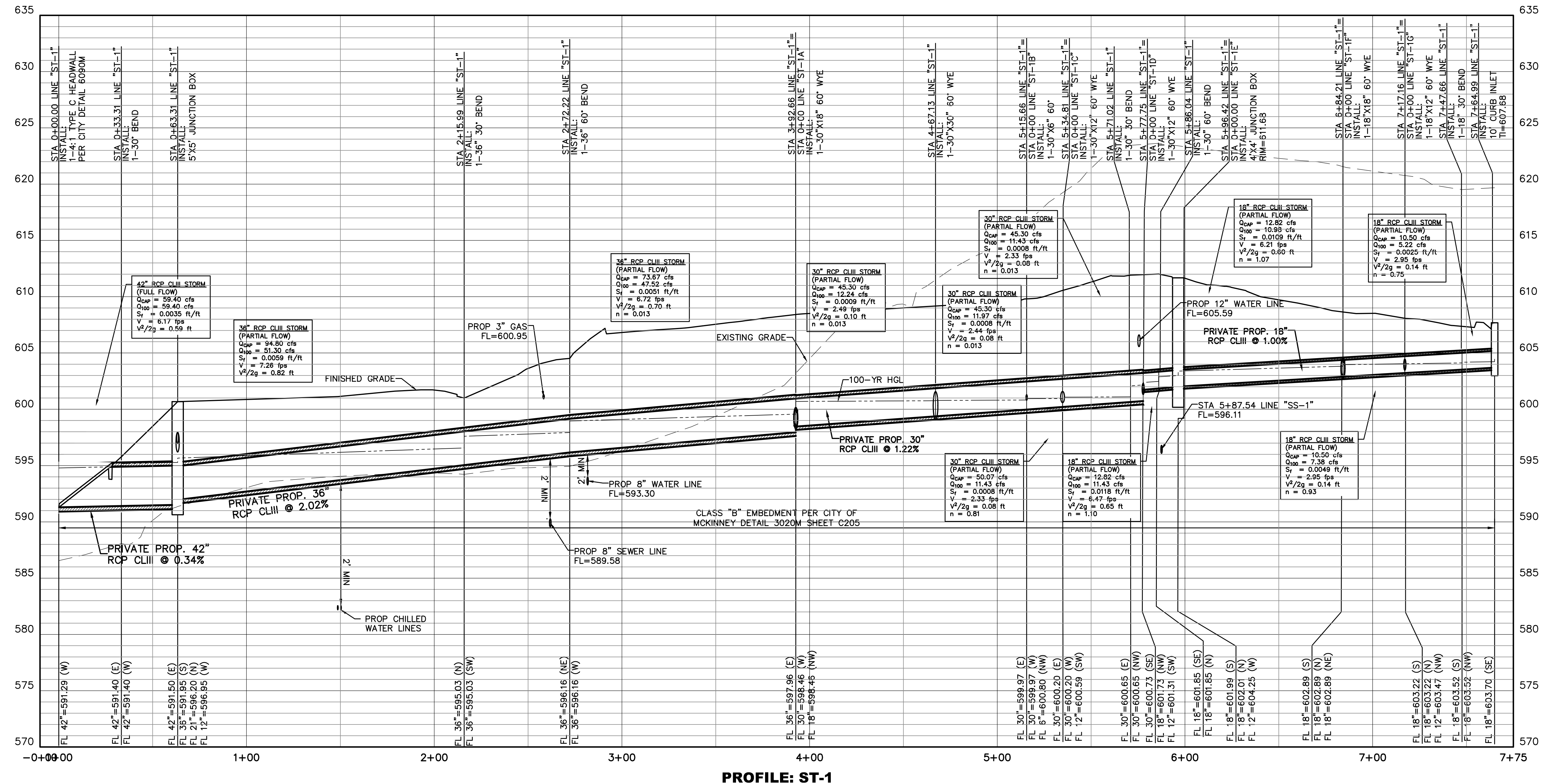
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
CAB	DMR	AUGUST 2021	1"=10'			C114



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.

H:\PROJECTS\2021\08\2477-20\345-STRM.DWG 2021/08/24 9:54 AM
 M:\VWC-24\2477-20\345-STRM.DWG 2018/08/24 7:20:34

COLLIN COUNTY ADF - PHASE 1 ADDITION



HPUSSELL 1/24/2022 9:54 AM M:\VWC-24\2477-20.345\DWG\CIVIL C3D 2018\2477-20.345-STRM.DWG

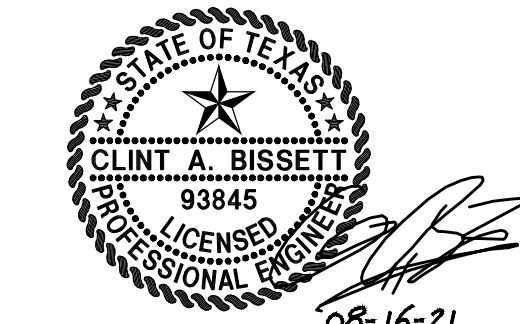
BENCH MARK LIST

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

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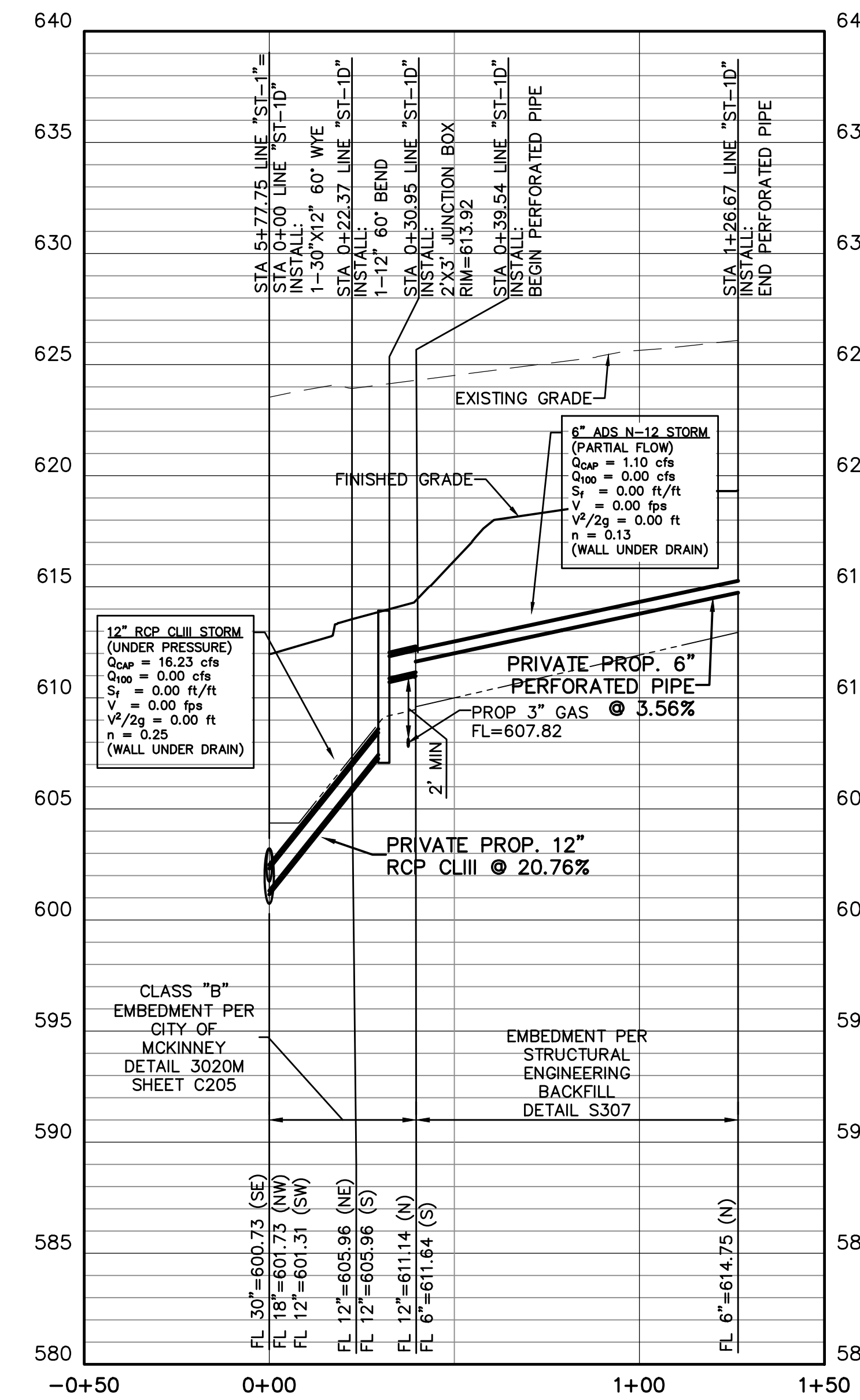
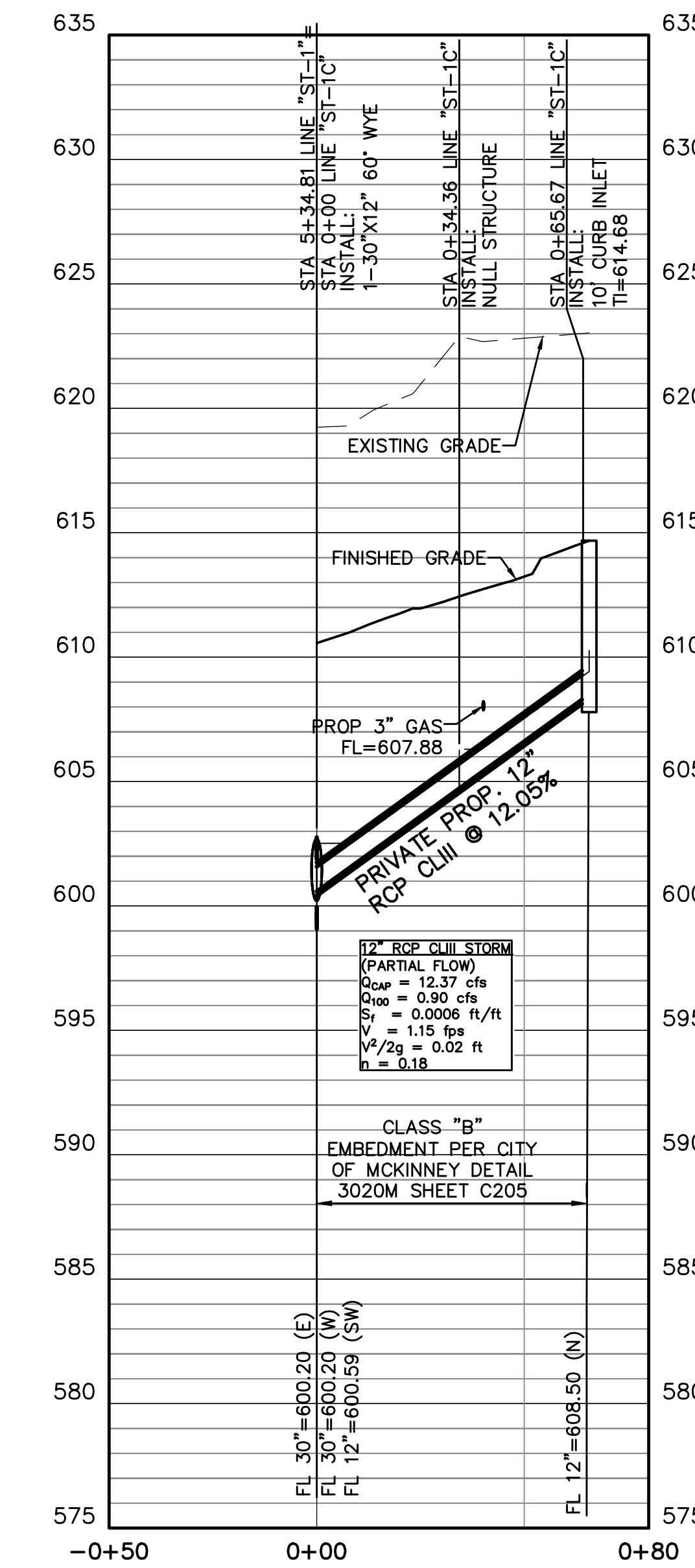
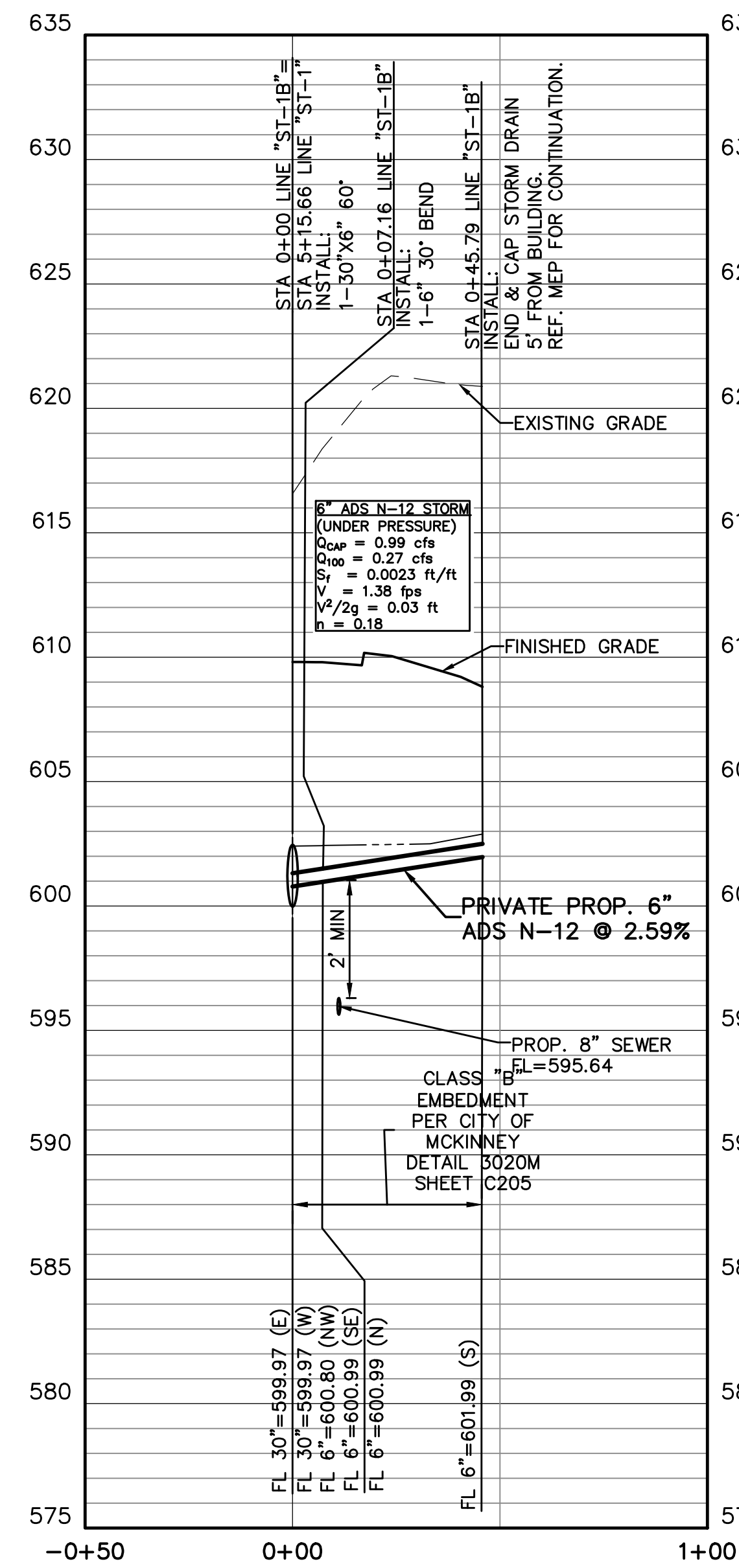
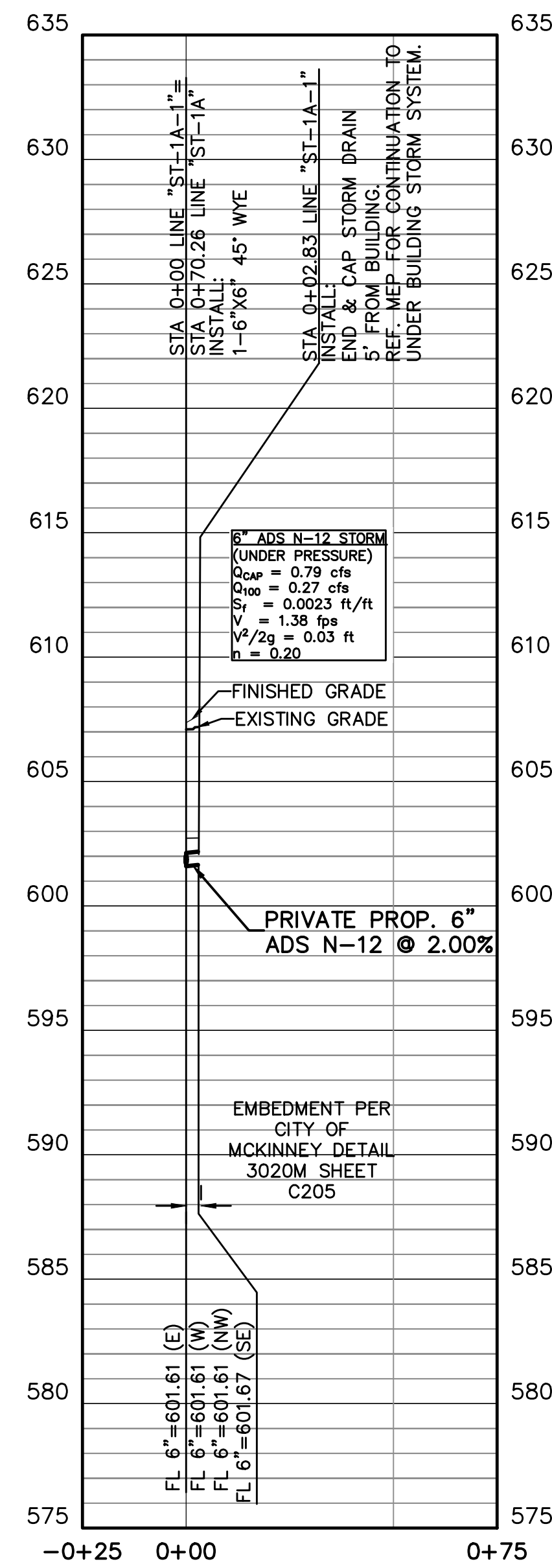
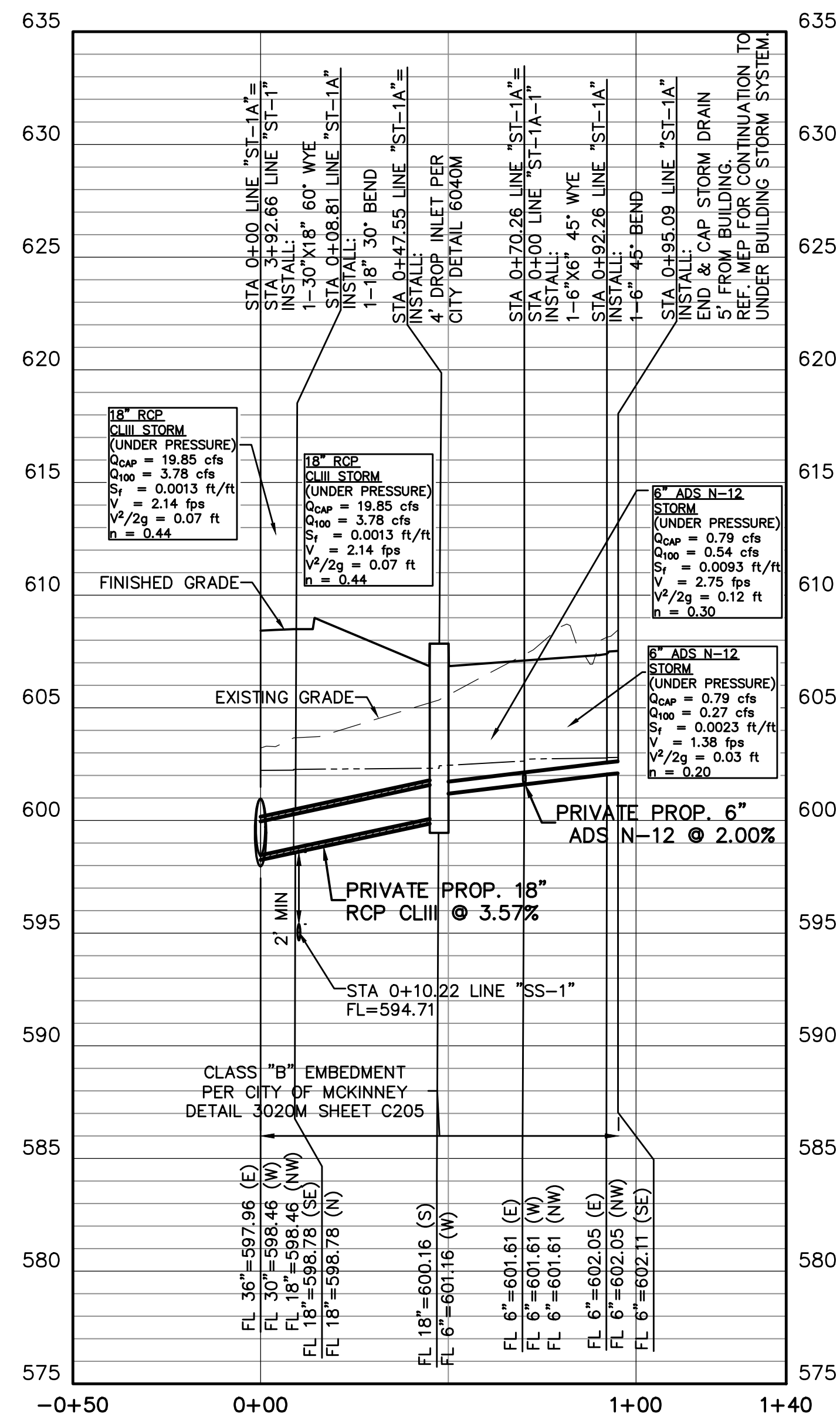
Pacheco Koch
 118 N. OHIO STREET
 CELINA, TX 75009 214.451.2765
 TX REG. ENGINEERING FIRM F-469
 TX REG. SURVEYING FIRM LS-10008000

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

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

COLLIN COUNTY ADF - PHASE 1 ADDITION

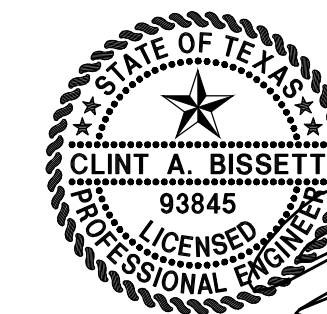


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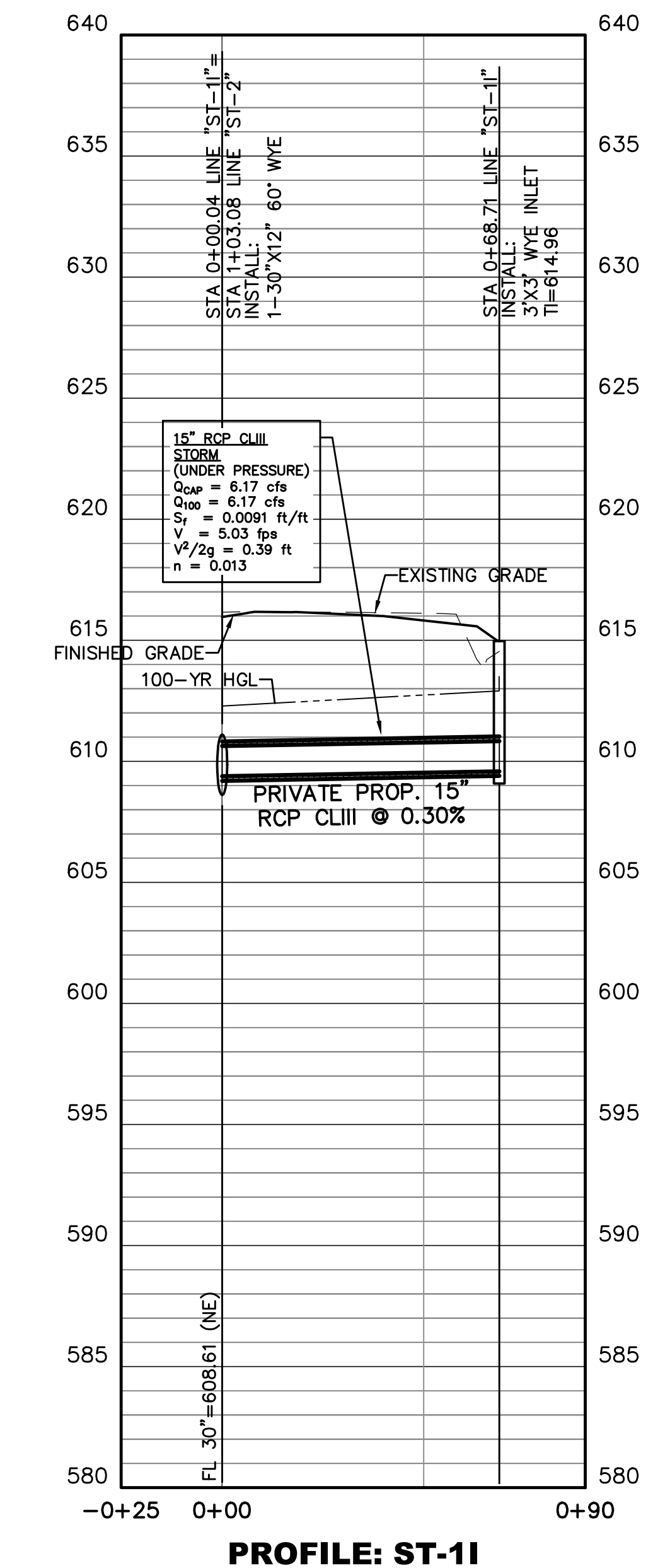
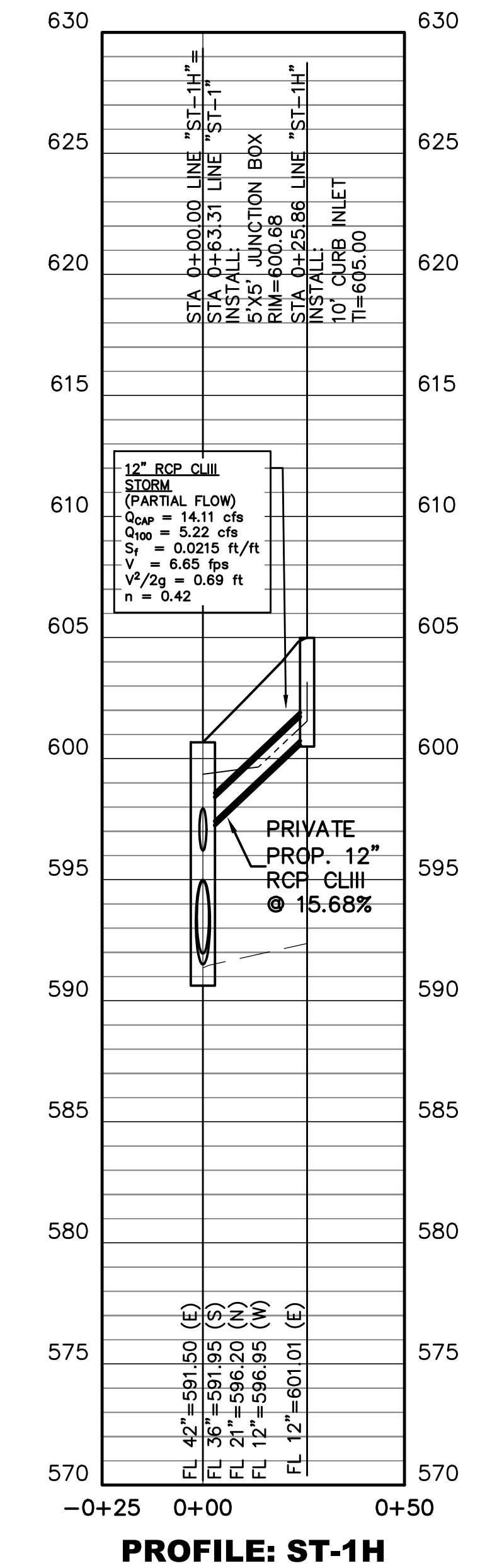
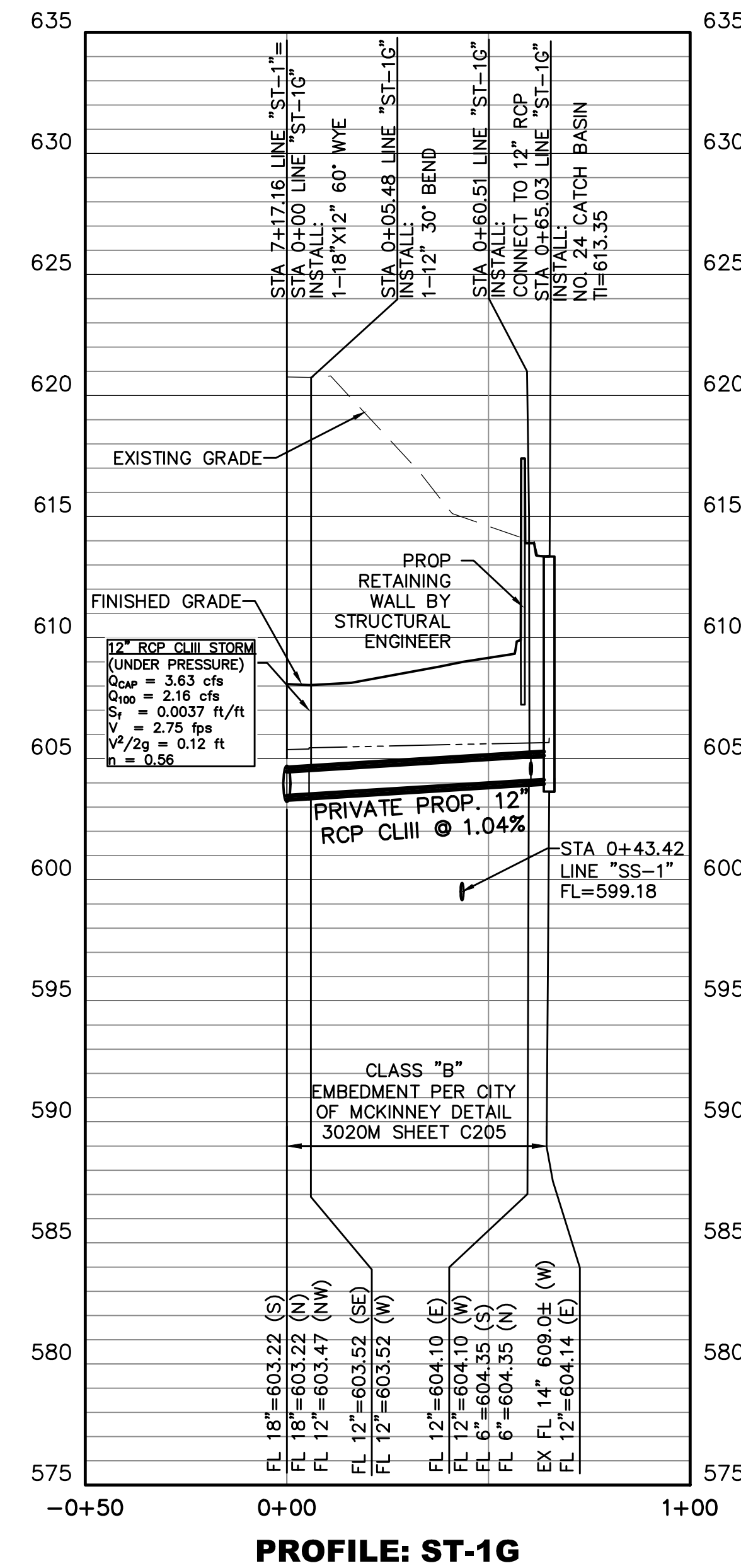
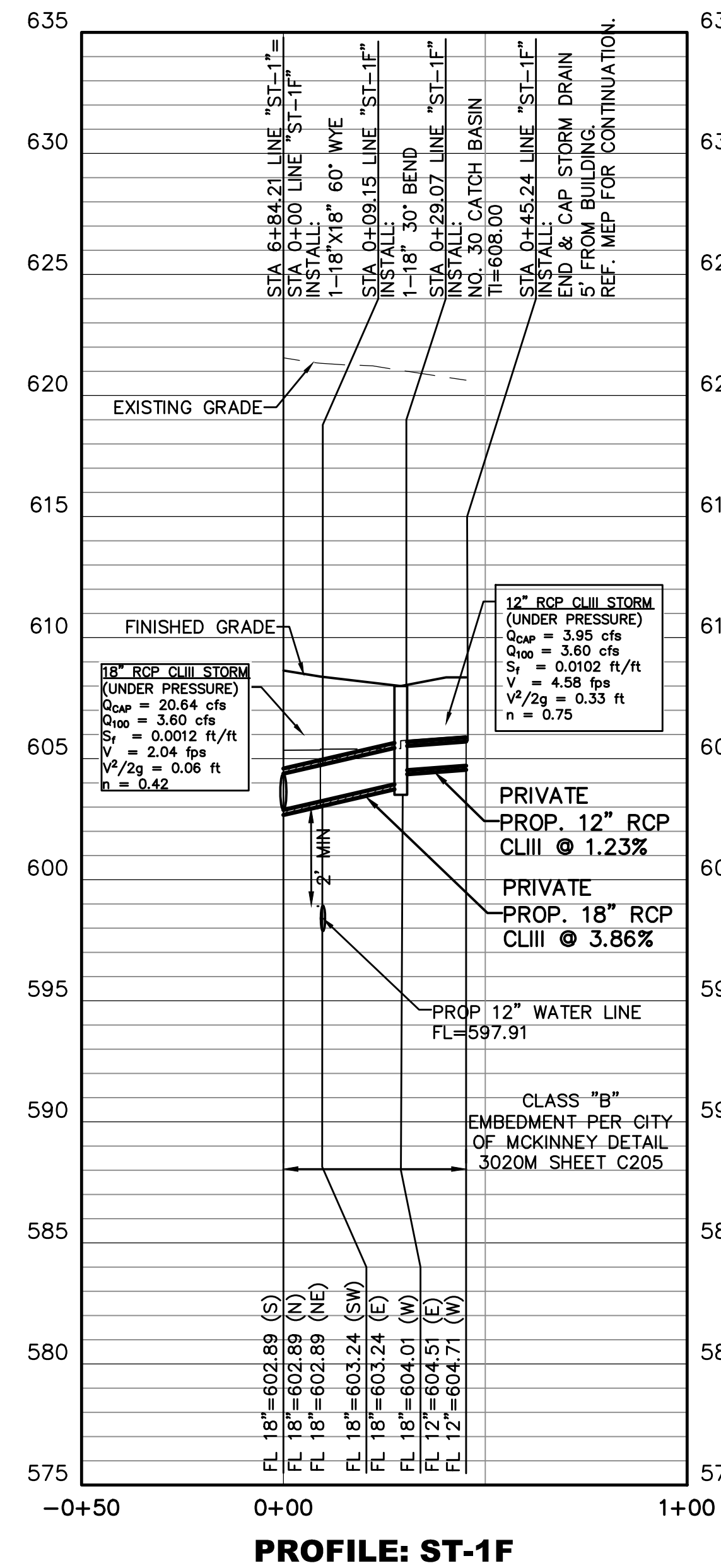
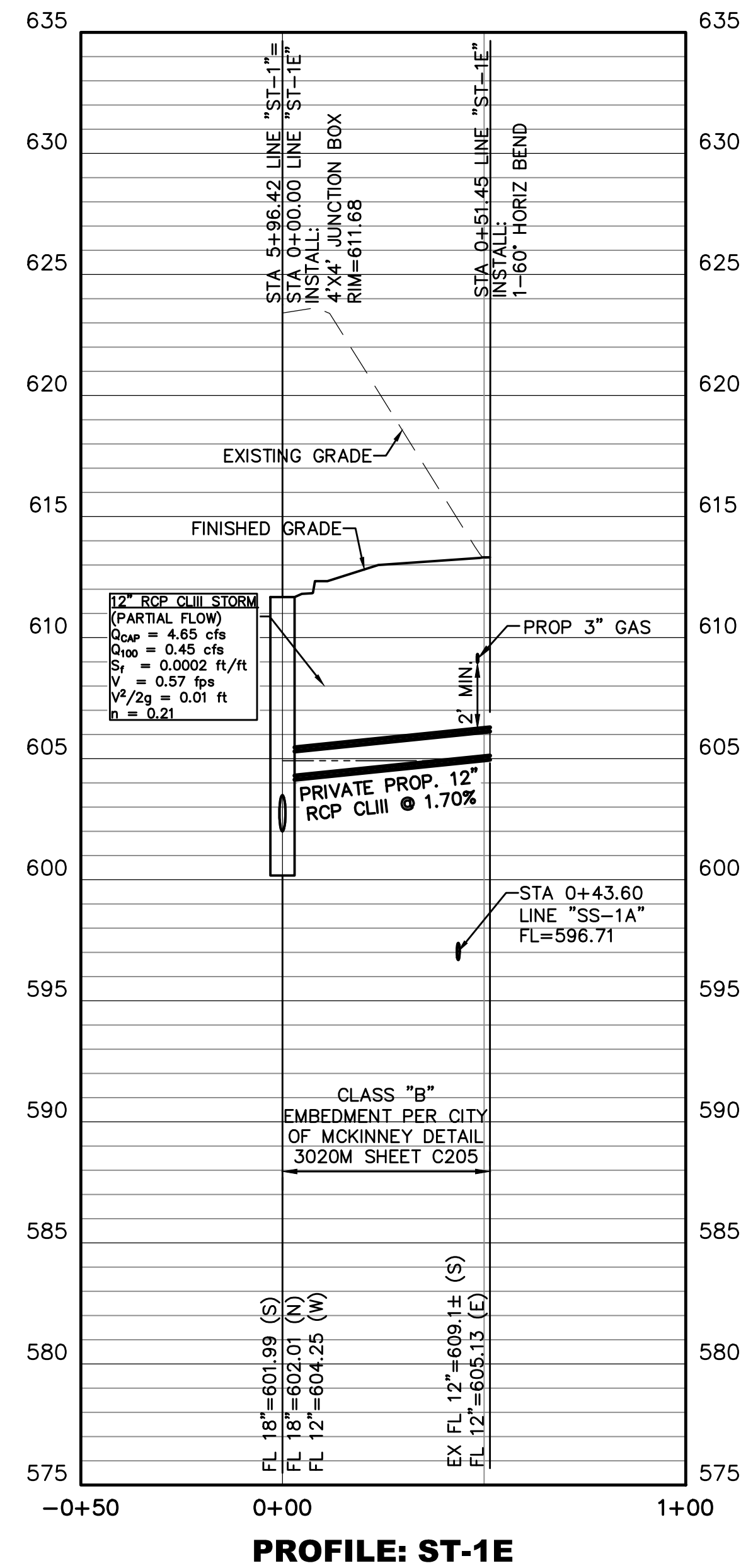
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STORM SEWER PROFILE
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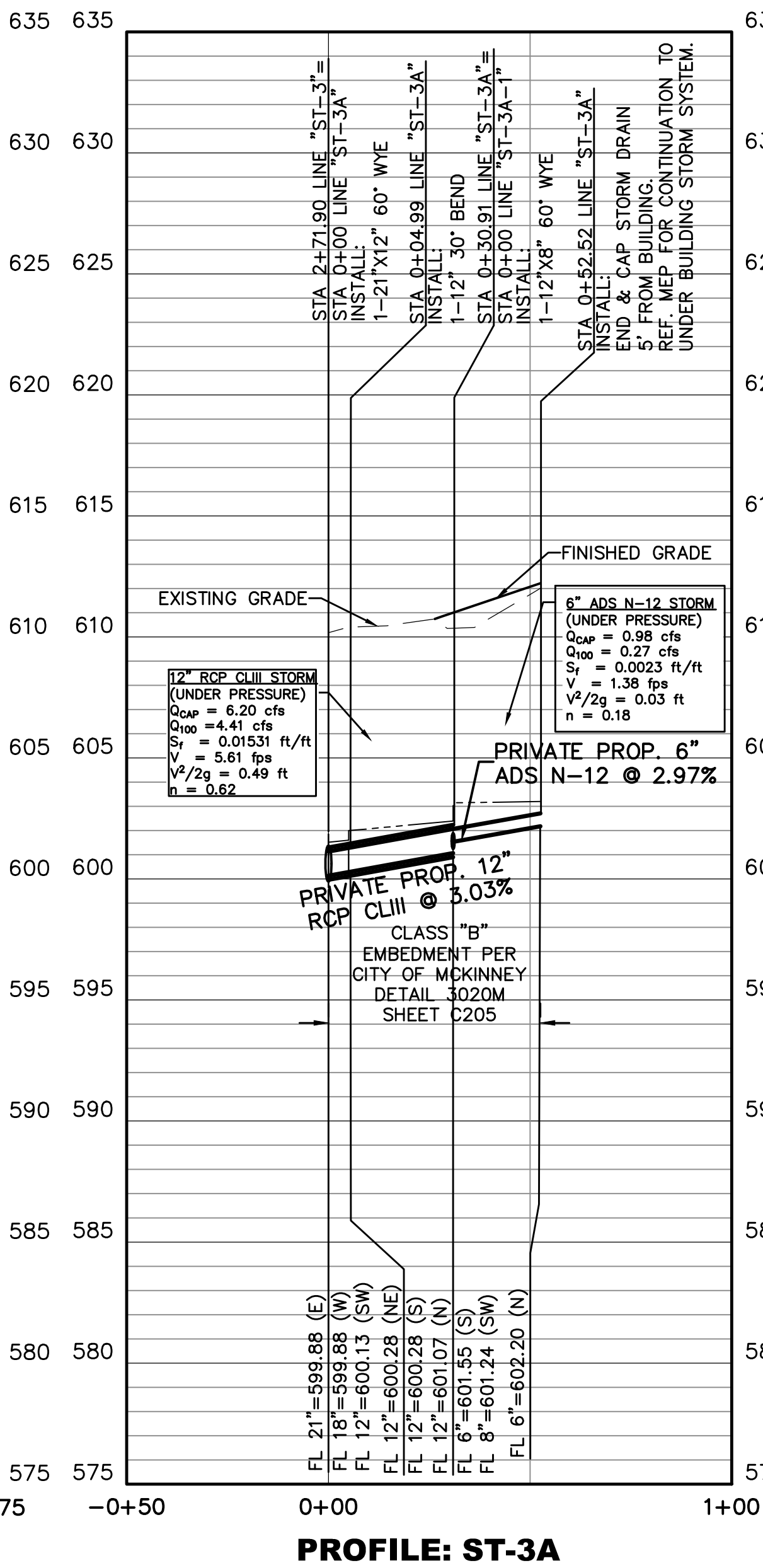
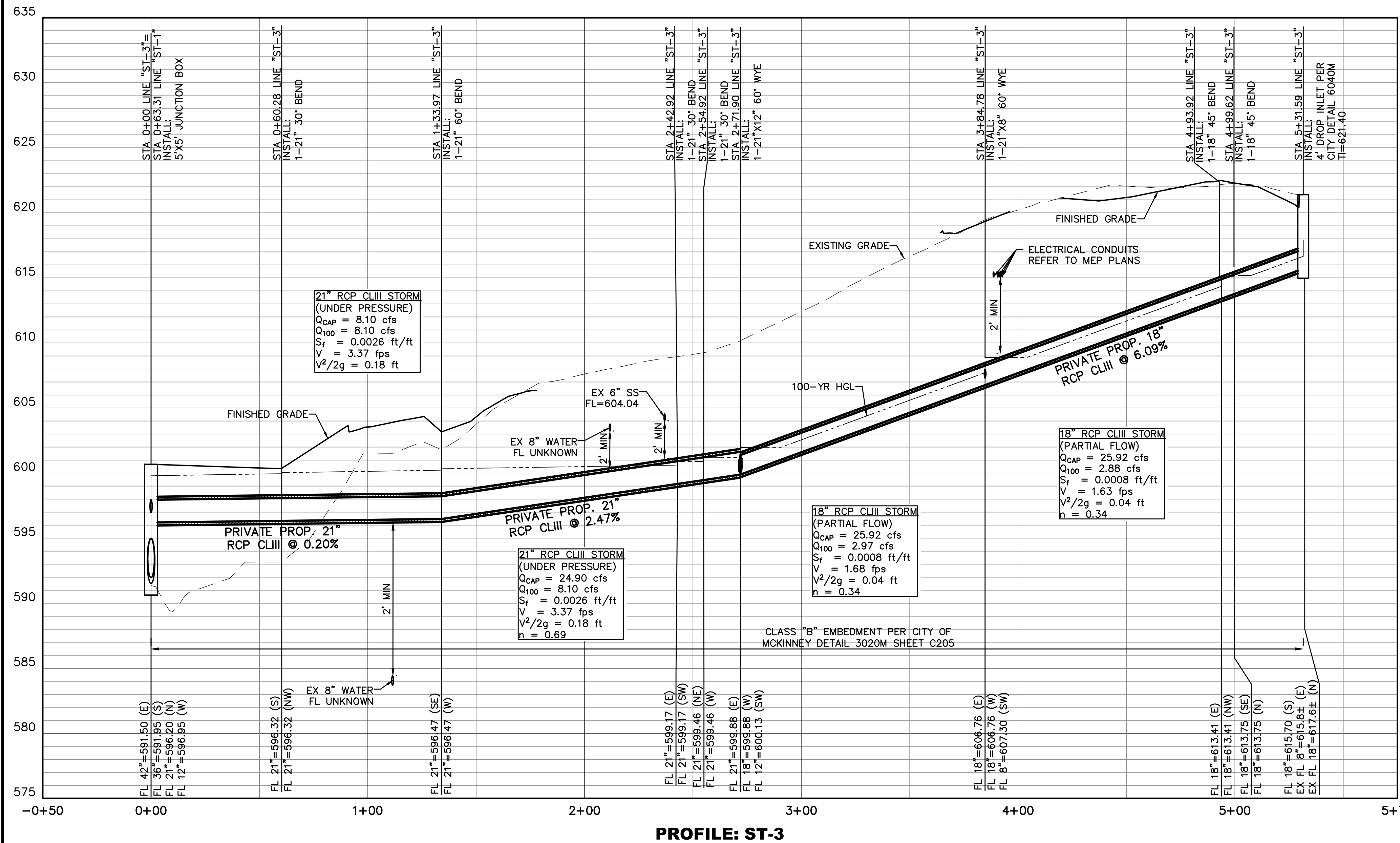
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STORM SEWER PROFILE
COLLIN COUNTY ADF - PHASE 1 ADDITION
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HPUSSELL 1/24/2022 9:55 AM M:\VWC-24\2477-20.345\DWG\CIVIL C3D 2018\2477-20.345-STRM.DWG

COLLIN COUNTY ADF - PHASE 1 ADDITION



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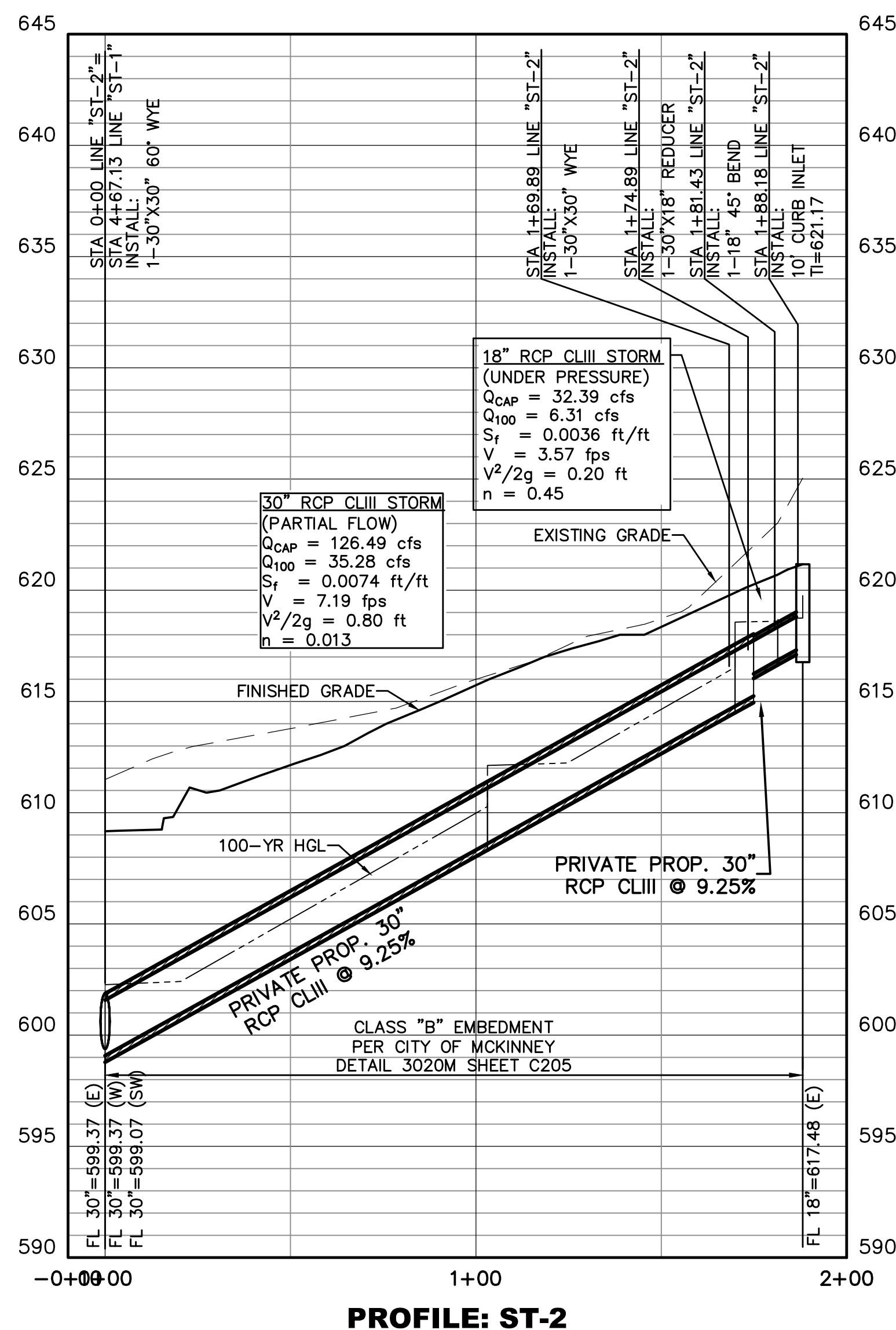
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BENCH MARK LIST

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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

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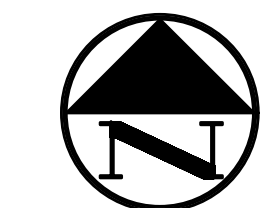
COORDINATE!!

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

LINES TO REMOTE FDC'S SHALL BE SIZED, DESIGNED, AND INSTALLED BY A STATE LICENSED FIRE SPRINKLER CONTRACTOR

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LEGEND

B.	BOLLARD
EM	ELECTRIC METER
PP	POWER POLE
LS	LIGHT STANDARD
WM	WATER METER
ICV	IRRIGATION CONTROL VALVE
FH	FIRE HYDRANT
CO	CLEANOUT
MH	MANHOLE
TSC	TRAFFIC SIGNAL CONTROL
TSP	TRAFFIC SIGNAL POLE
TELE	TELEPHONE BOX
FLO	FLOOD LIGHT
FP	FLAG POLE
SIGN	TRAFFIC SIGN
IRS	1/2-INCH IRON ROD
(C.M.)	W/"PACHECO KOCH" CAP SET CONTROLLING MONUMENT
---	PROPERTY LINE
---	FENCE
---	OVERHEAD UTILITY LINE
---	UNDERGROUND ELECTRIC LINE
---	UNDERGROUND TELEPHONE LINE
---	UNDERGROUND CABLE LINE
---	UNDERGROUND WATER LINE
---	UNDERGROUND SANITARY SEWER LINE
---	PROP FDC LOCATION
---	PROP WATER LINE W/ BEND
---	PROP SANITARY SEWER LINE

WATER & SANITARY SEWER GENERAL NOTES

- ALL CONCRETE SHALL BE CLASS "A" (3000 PSI), UNLESS OTHERWISE NOTED.
- ALL WATER MAINS SHALL BE PVC C900, DR 18, CLASS 235. FIRE PROTECTION SERVICES SHALL BE PVC C900, DR 14, CLASS 305 AND INSTALLED IN ACCORDANCE WITH THE DESIGN AND SPECIFICATIONS OF THE FIRE PROTECTION PLANS TO BE PREPARED BY A LICENSED FIRE PROTECTION CONTRACTOR.
- WATER AND SANITARY SEWER SERVICES SHALL MEET PLUMBING CODE REQUIREMENTS.
- ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 48 INCHES BELOW IMPROVED FINISHED GRADE, UNLESS OTHERWISE NOTED.
- SANITARY SEWER PIPE SHALL BE PVC SDR-35.
- WHEN WATER AND SANITARY SEWER MAINS, SERVICES, AND LATERALS ARE INSTALLED, THEY SHALL BE INSTALLED NO CLOSER TO EACH OTHER THAN NINE FEET IN ALL DIRECTIONS AND PARALLEL LINES MUST BE INSTALLED IN SEPARATE TRENCHES. WHERE THE NINE FOOT SEPARATION DISTANCE CANNOT BE ACHIEVED, THE FOLLOWING TCEQ CHAPTERS SHALL APPLY:
 6.A. TCEQ CHAPTER 217.53 PIPE DESIGN, SECTION (d) SEPARATION DISTANCES
 6.B. TCEQ CHAPTER 290.44 WATER DISTRIBUTION, SECTION (e) LOCATION OF WATERLINES
- CONTRACTOR TO VERIFY ALL EXISTING SEWER FLOW LINES BEFORE BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL TIE A ONE INCH WIDE PIECE OF RED PLASTIC FLAGGING TO THE END OF SEWER SERVICE AND SHALL LEAVE A MINIMUM OF 36 INCHES OF FLAGGING EXPOSED AFTER BACKFILL. AFTER CURB AND PAVING IS COMPLETED, CONTRACTOR SHALL MARK THE LOCATION OF THE SEWER SERVICE ON THE CURB OR ALLEY IN ACCORDANCE WITH THE STANDARD CITY SPECIFICATIONS.
- ALL SANITARY SEWER LINES SHALL BE TESTED IN ACCORDANCE WITH THE STANDARD CITY SPECIFICATIONS.
- THE UTILITY CONTRACTOR SHALL INSTALL THE WATER SERVICES TO A POINT TWO FEET BACK OF THE CURB LINE AT A DEPTH OF 12 INCHES. THE METER BOX SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AFTER THE PAVING CONTRACTOR HAS COMPLETED THE FINE GRADING BEHIND THE BACK OF THE CURB. EACH SERVICE LOCATION SHALL BE MARKED ON THE CURB WITH A BLUE LETTER "W" BY THE UTILITY CONTRACTOR AND TIED TO PROPERTY CORNERS ON THE "RECORD DRAWINGS."
- ALL METER BOXES SHALL BE LOCATED IN NON-TRAFFIC AREAS.
- 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.
- VALVE BOXES SHALL BE FURNISHED AND SET ON EACH GATE VALVE. AFTER THE FINAL CLEAN-UP AND ALIGNMENT HAS BEEN COMPLETED, THE UTILITY CONTRACTOR SHALL POUR A 24"x24"x6" CONCRETE BLOCK AROUND ALL VALVE BOX TOPS LEVEL WITH THE FINISHED GRADE.
- CONTRACTOR SHALL RECONNECT ALL EXISTING SERVICES AND MAINTAIN EXISTING SERVICES THROUGHOUT CONSTRUCTION.
- IF REQUIRED DUE TO CONSTRUCTION, POWER POLES TO BE BRACED OR RELOCATED AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL PROVIDE BACKFLOW PREVENTION AS REQUIRED BY TCEQ TITLE 30 SECTION 290 UNLESS DETERMINED OTHERWISE.

MATCH LINE - THIS SHEET

MATCH LINE - THIS SHEET

COLLIN COUNTY ADF - PHASE 1 ADDITION

NO.	DATE	REVISION
09/22/2021	CITY COMMENTS	PR #1
08/16/2021	ADDENDUM 2	

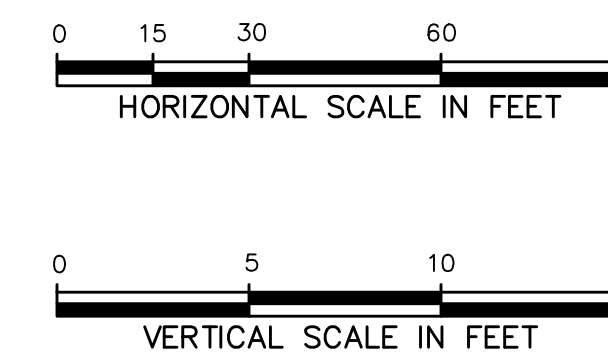
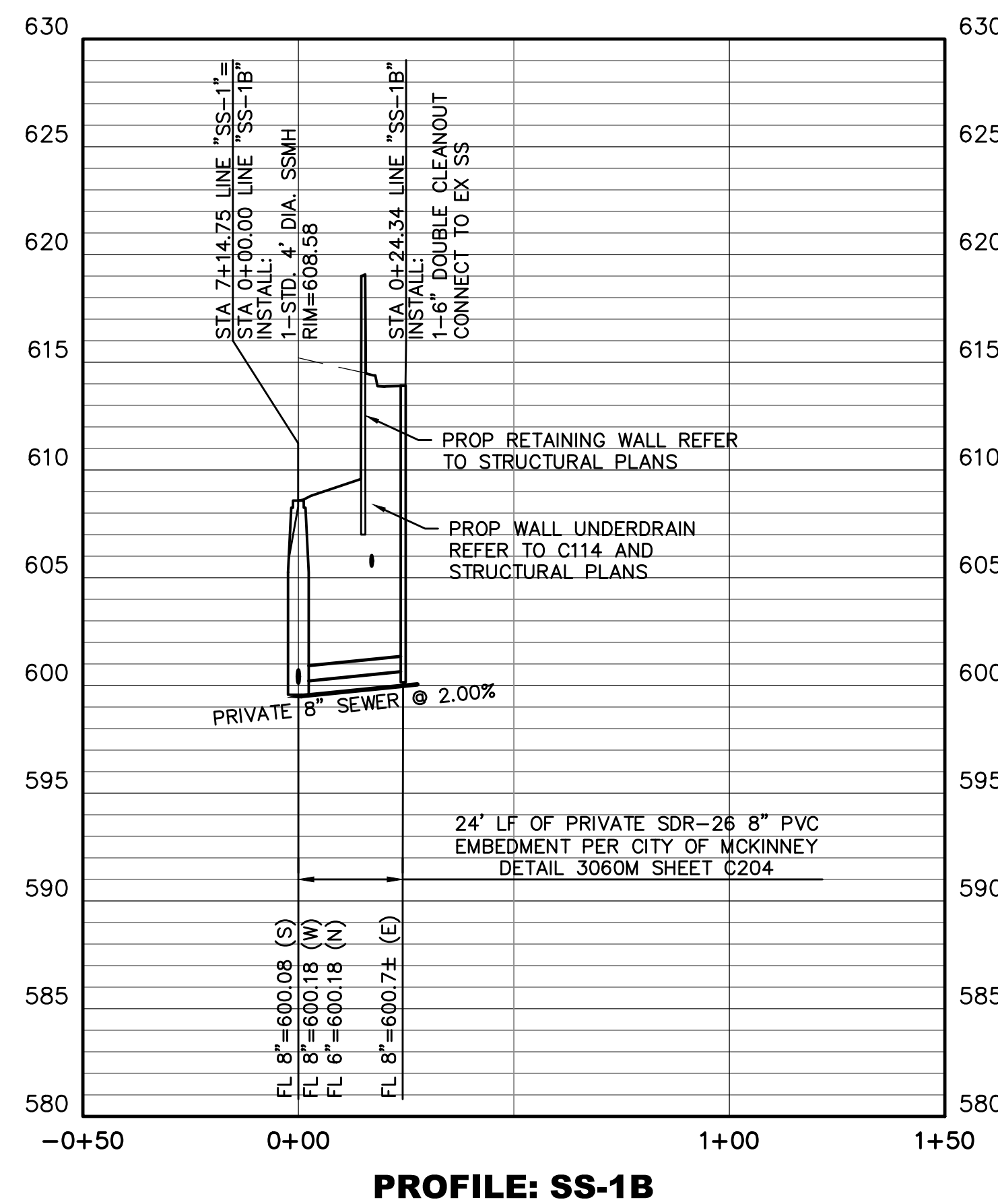
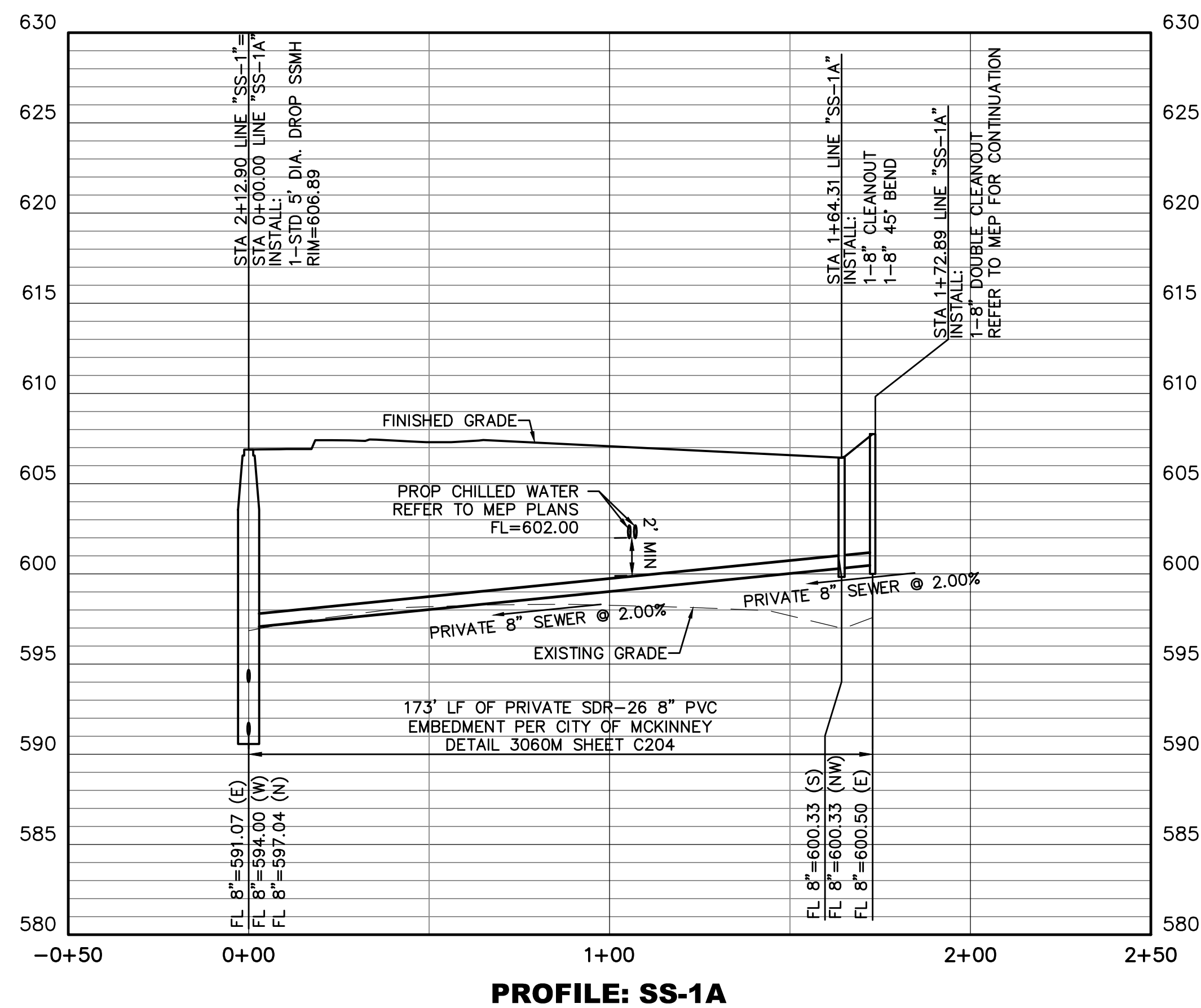
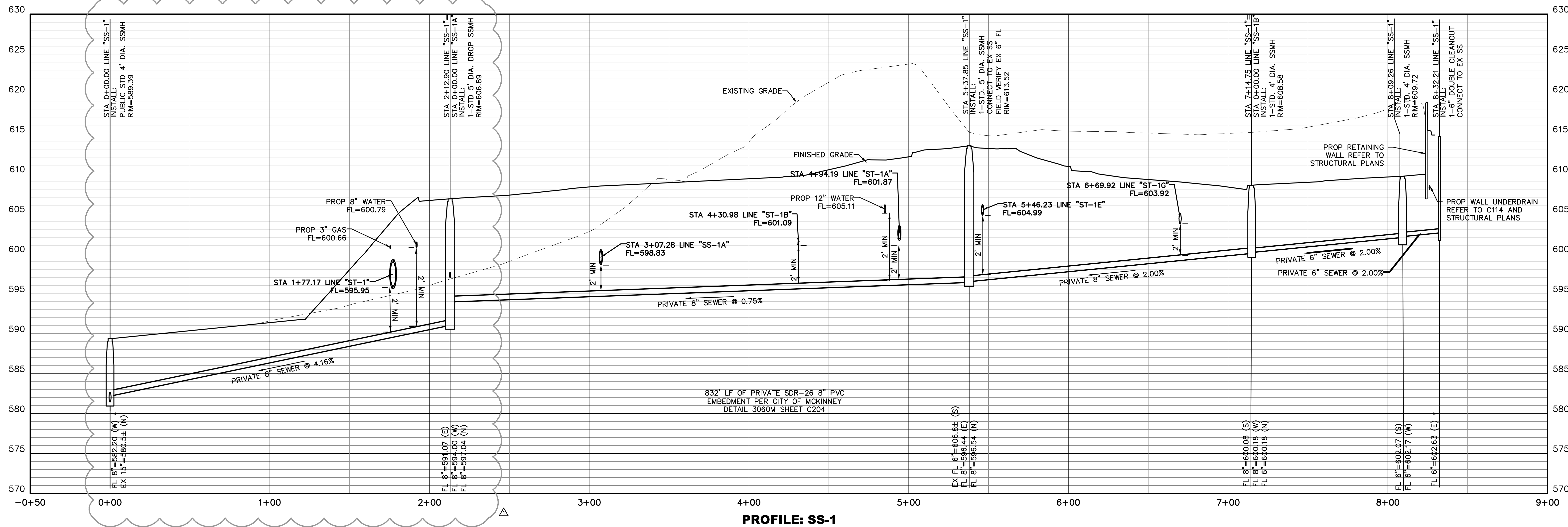
Pacheco Koch 118 N. OHIO STREET
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SITE UTILITY PLAN
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SEWER PROFILE

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COLLIN COUNTY JUSTICE CENTER

4300 COMMUNITY AVENUE

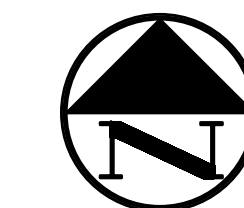
CITY OF MCKINNEY, COLLIN COUNTY, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
CAB	DMR	AUGUST 2021	1"=30' V:1"=5'			C121



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.

COLLIN COUNTY ADF - PHASE 1 ADDITION



LEGEND

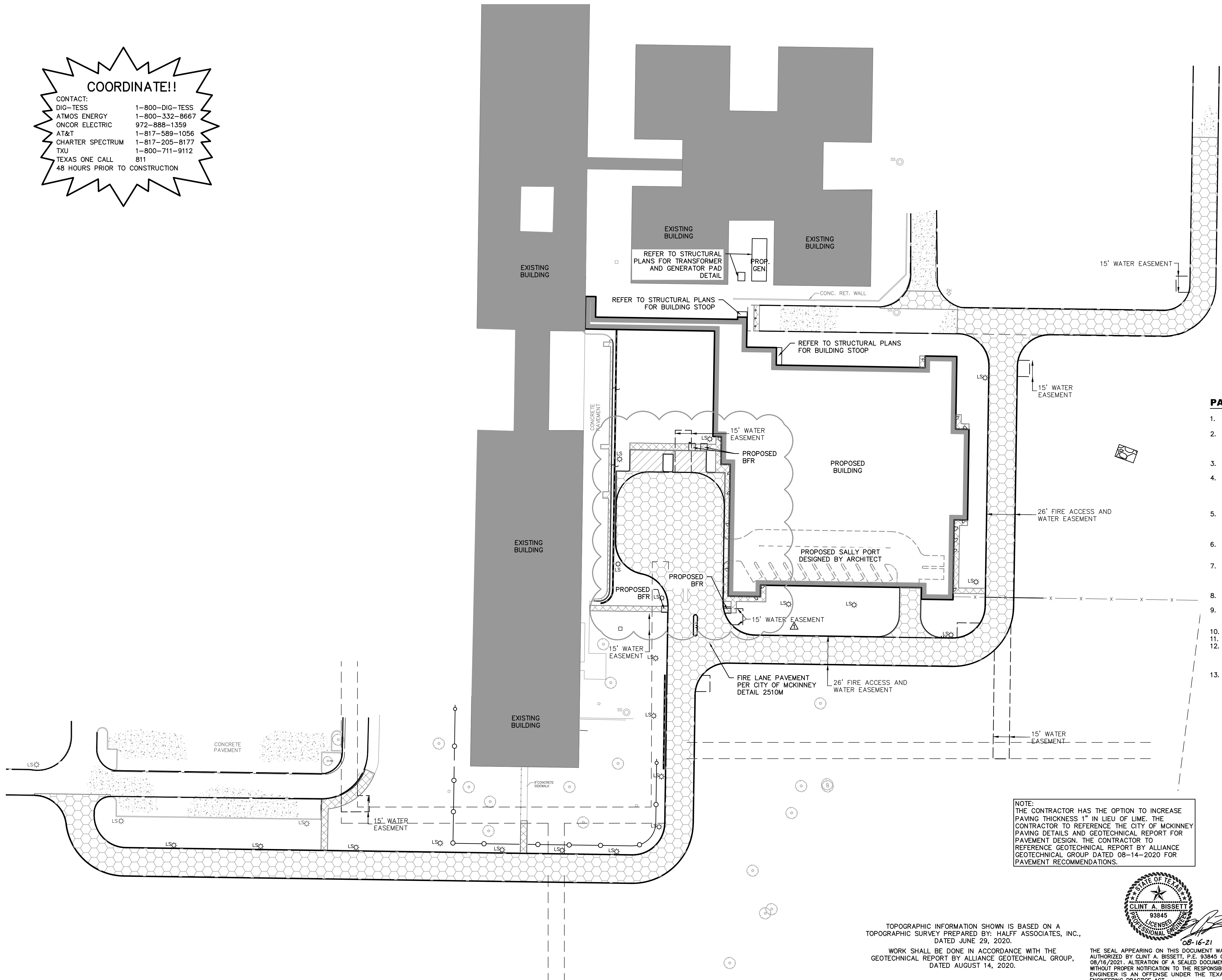
- B. BOLLARD
- EM_⊙ ELECTRIC METER
- PP. POWER POLE
- LS_⊙ LIGHT STANDARD
- WM_⊙ WATER METER
- WV_⊙ WATER VALVE
- ICV_⊙ IRRIGATION CONTROL VALVE
- FD_⊙ FIRE HYDRANT
- CO_⊙ CLEANOUT
- MH_⊙ MANHOLE
- TSC_⊙ TRAFFIC SIGNAL CONTROL
- TSP. TRAFFIC SIGNAL POLE
- TELE_⊙ TELEPHONE BOX
- FL_⊙ FLOOD LIGHT
- FP. FLAG POLE
- SIGN. TRAFFIC SIGN
- IRS 1/2-INCH IRON ROD
- W/"PACHECO KOCH" CAP SET
- (C.M.) CONTROLLING MONUMENT
- PROPERTY LINE
- FENCE
- FIRE LANE
- 4" REINFORCED CONCRETE (CLASS "A", 3000 PSI)
- 2" COMPACTED CLEAN SAND PER CITY OF MCKINNEY DETAIL
- PARKING AND DRIVE AREAS, 5" REINFORCED CONCRETE PAVEMENT (CLASS "C", 4000 PSI)
- 8" LIME STABILIZED SUBGRADE, PER GEOTECHNICAL REPORT
- FIRE LANE, 6" REINFORCED CONCRETE PAVEMENT (CLASS "C" 4000 PSI)
- 8" LIME STABILIZED SUBGRADE, PER GEOTECHNICAL REPORT

PAVING GENERAL NOTES

1. ALL DIMENSIONS ARE FROM BACK OF CURB UNLESS OTHERWISE NOTED.
2. ALL CONCRETE SHALL CONFORM TO NCTCOG ITEM 303.3.4, CLASS "A" (3000 PSI) UNLESS OTHERWISE SHOWN ON THESE PLANS, STATED IN STANDARD CITY SPECIFICATIONS OR STATED IN TXDOT STANDARD SPECIFICATIONS.
3. SUBGRADE PREPARATION IN RIGHT OF WAY SHALL CONFORM TO STANDARD CITY SPECIFICATIONS OR TXDOT STANDARD SPECIFICATIONS. ALL FILL PLACED UNDER PAVING SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY IN 6 INCH LIFTS, UNLESS OTHERWISE NOTED, OR STATED IN GEOTECH REPORT. REFER TO STRUCTURAL SPECIFICATIONS FOR FILL PLACED BENEATH BUILDING AREAS. ALL OTHER FILL AREAS TO BE COMPACTED TO 90% STANDARD PROCTOR.
4. THE CONTRACTOR SHALL SUBMIT A JOINT SPACING PLAN TO THE ENGINEER FOR APPROVAL. EXPANSION JOINT SPACING SHALL BE 90' MAXIMUM EACH WAY WITH NO KEYWAYS AND SAWED DUMMY JOINTS SHALL BE 15' EACH WAY, UNLESS OTHERWISE NOTED.
5. TRANSVERSE CONSTRUCTION JOINTS SHALL BE USED AT THE END OF EACH DAYS PAVING AND WHERE INTERRUPTIONS SUSPEND OPERATIONS FOR 30 MINUTES OR MORE.
6. ALL PAVING TO BE REMOVED SHALL BE SAWCUT TO A NEAT LINE, MINIMUM 1-1/2" DEEP, AND THE PAVEMENT REMOVED IN SUCH A MANNER AS TO PRESERVE THE EXISTING TRANSVERSE REINFORCING STEEL TO THE MAXIMUM EXTENT POSSIBLE.
7. ALL CURB AND GUTTER SHALL BE INTEGRAL WITH THE PAVEMENT AND HAVE THE SAME COMPRESSIVE STRENGTH.
8. PAVEMENT REINFORCEMENT SHALL BE #3 BARS, SPACED AT 18 INCHES CENTER TO CENTER EACH WAY EXCEPT WHERE OTHERWISE NOTED IN THE PLANS OR GEOTECH REPORT.
9. BAR LAPS SHALL BE 30 DIAMETERS IN LENGTH.
10. ALL STRIPES SHALL BE 4 INCHES WIDE, UNLESS OTHERWISE NOTED.
11. INSTALLATION AND PLACEMENT OF IRRIGATION SLEEVES AND UTILITY CONDUITS SHALL BE IN ACCORDANCE WITH LANDSCAPE ARCHITECT AND MEP PLANS. CONTRACTOR TO VERIFY ALL SLEEVES HAVE BEEN PLACED PRIOR TO PAVING BEING PLACED.
12. SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A RUNNING SLOPE NO GREATER THAN 5% (UNLESS OTHERWISE NOTED) AND A CROSS SLOPE NO GREATER THAN 2%.

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



NOTE:
 THE CONTRACTOR HAS THE OPTION TO INCREASE PAVING THICKNESS 1" IN LIEU OF LIME. THE CONTRACTOR TO REFERENCE THE CITY OF MCKINNEY PAVING DETAILS AND GEOTECHNICAL REPORT FOR PAVEMENT DESIGN. THE CONTRACTOR TO REFERENCE GEOTECHNICAL REPORT BY ALLIANCE GEOTECHNICAL GROUP DATED 08-14-2020 FOR PAVEMENT RECOMMENDATIONS.

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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NO.	DATE	CITY COMMENTS	PR #1	REVISION
1	09/22/2021			

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

PAVING 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"=40'			C122

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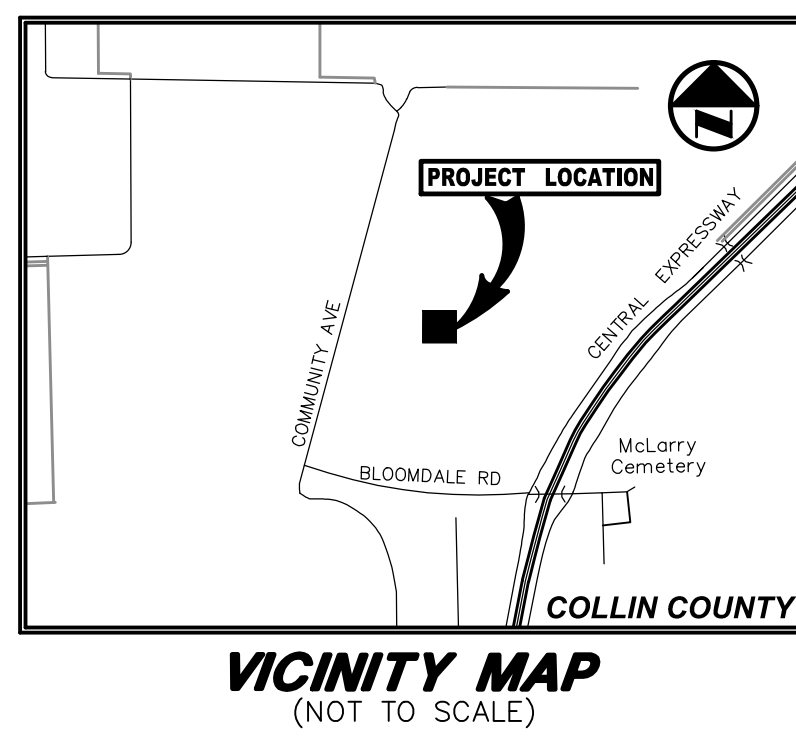
COLLIN COUNTY ADF - PHASE 1 ADDITION

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



LEGEND

- B₁ BOLLARD
- EM₁ ELECTRIC METER
- PP₁ POWER POLE
- LS₁ LIGHT STANDARD
- WM₁ WATER METER
- WV₁ WATER VALVE
- ICV₁ IRRIGATION CONTROL VALVE
- FH₁ FIRE HYDRANT
- CO₁ CLEANOUT
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- TEL₁ TELEPHONE BOX
- FL₁ FLOOD LIGHT
- FP₁ FLAG POLE
- SI₁ TRAFFIC SIGN
- IRS (C.M.) 1/2-INCH IRON ROD
- W/PACHECO KOCH" CAP SET
- CONTROLLING MONUMENT
- PROPERTY LINE
- FENCE
- OVERHEAD UTILITY LINE
- 61.3 EXIST CONTOUR
- 450 PROPOSED CONTOUR

GRAPHIC SCALE IN FEET: 0, 30, 60, 120, 180

PROPOSED DRAINAGE FLOW DIRECTION

PROPOSED CONSTRUCTION ENTRANCE

INLET PROTECTION

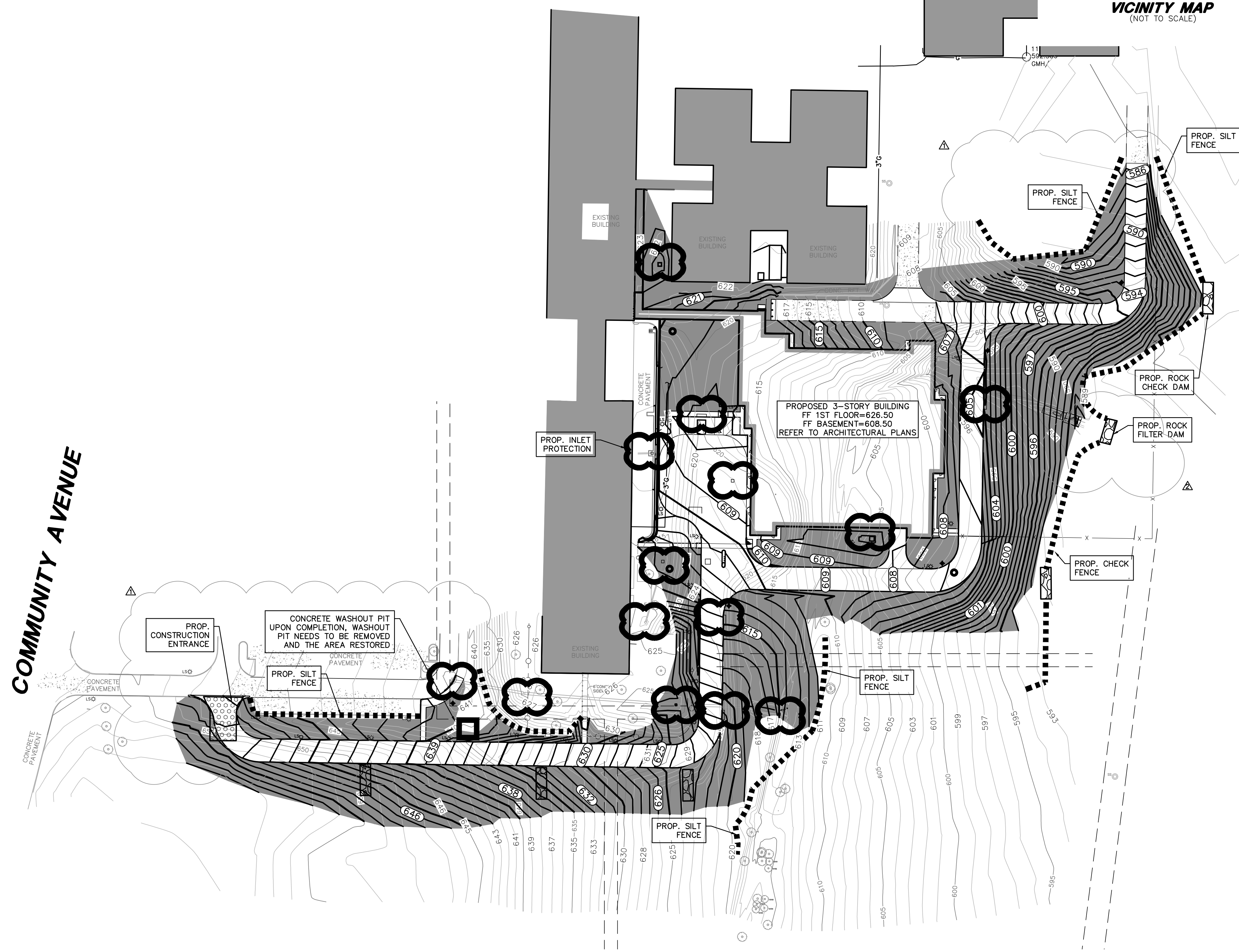
SILT FENCE (LIMITS OF DISTURBED AREA)

ROCK CHECK DAM

PROPOSED SOD/ SEEDING REFER TO L2.00 PLANTING PLAN FOR DETAILS

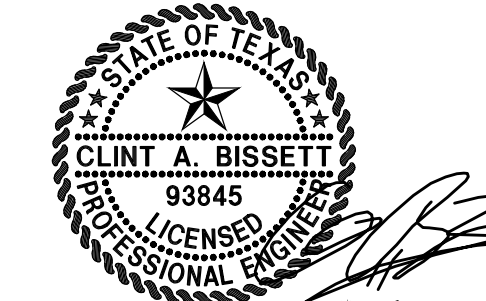
POLLUTION CONTROL GENERAL NOTES

1. THIS PLAN HAS BEEN PREPARED TO PROVIDE MEANS TO PREVENT OR MINIMIZE POLLUTION OF STORM WATER.
2. THE CONSTRUCTION ACTIVITY INCLUDED IN THIS PLAN WILL INCLUDE:
 - 2.A. CLEARING AND GRUBBING
 - 2.B. ROUGH GRADING
 - 2.C. FINAL GRADING
 - 2.D. UTILITY INSTALLATION
 - 2.E. PAVEMENT INSTALLATION
 - 2.F. BUILDING CONSTRUCTION
3. THE TOTAL ESTIMATED LAND AREA TO BE DISTURBED IS 7.05 ACRES.
4. THE ESTIMATED RUNOFF COEFFICIENT UPON COMPLETION OF THE PROJECT IS 0.85.
5. THE STORM WATER EXITING THE SITE IS COLLECTED IN AN EXISTING DRAINAGE SYSTEM MAINTAINED BY THE CITY OF MCKINNEY, TEXAS.
6. THE SOILS ON THE SITE ARE GENERALLY EXPANSIVE CLAYS.
7. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN EROSION PROTECTION AROUND THE WORK AREA PERIMETER AND AT ALL INLET MOUTHS PRIOR TO COMMENCING WORK AND UNTIL THE WORK AREA HAS BEEN STABILIZED.
8. THE CONTRACTOR WILL REMOVE ALL EXCESS SOIL FROM CONSTRUCTION VEHICLES PRIOR TO EXITING THE SITE.
9. ALL DISTURBED AREAS WHICH WILL NOT BE RE-DISTURBED MUST BEGIN BEING STABILIZED IMMEDIATELY BY THE CONTRACTOR TO CONTROL EROSION. THE CONTRACTOR HAS 14 DAYS TO HAVE ALL STABILIZATION AND EROSION CONTROL DEVICES IN PLACE.
10. THE CONTRACTOR SHALL UNDERTAKE PROPER METHODS TO REDUCE DUST GENERATION FROM THE SITE.
11. THE CONTRACTOR MUST COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS REGARDING SEDIMENT AND EROSION CONTROL.
12. A COPY OF THIS PLAN, AS PART OF THE SWPPP, MUST BE KEPT AT THE CONSTRUCTION FACILITY DURING THE ENTIRE CONSTRUCTION PERIOD.
13. CONSTRUCTION SEQUENCING MUST PROVIDE FOR THE EXCAVATION OF AN ON-SITE BASIN AS A SEDIMENT COLLECTION BASIN PRIOR TO THE DISTURBANCE OF GREATER THAN 10 ACRES OF LAND.
14. ALL FINISHED GRADES ARE TO BE HYDROMULCHED, SPOT SODDED OR SEEDED AND WATERED UNTIL GROWTH IS ESTABLISHED ON AND OFF-SITE.
15. A PIT OR WASH OUT BASIN SHALL BE CONSTRUCTED ON-SITE BY THE CONTRACTOR FOR THE "WASH OUT" OF CONCRETE TRUCKS.
16. A BERM OR OTHER SPILL PROTECTION MEASURE SHALL BE USED FOR ANY TEMPORARY FUEL STORAGE TANK ON-SITE.
17. IF "SUMP" PUMPS ARE USED TO REMOVE WATER FROM EXCAVATED AREAS, FILTER THE DISCHARGE TO REMOVE SEDIMENT AND OTHER POLLUTANTS BEFORE THE WATER LEAVES THE SITE.
18. TO PREVENT DAMAGE TO VEGETATION IN DOWNSTREAM WATER COURSES, LIMIT ANY PROPOSED LIME STABILIZATION OPERATIONS TO THAT WHICH CAN BE MIXED AND COMPACTED BY THE END OF EACH WORK DAY. GEOTEXTILE FABRIC IS NOT EFFECTIVE IN FILTERING LIME SINCE THE GRAIN SIZE IS SMALLER THAN THE OPENING IN THE FABRIC.
19. VEHICLE PARKING AREAS, STAGING AREAS, STOCKPILES, SPOILS, ETC. SHALL BE LOCATED SUCH THAT THEY WILL NOT ADVERSELY AFFECT STORM WATER QUALITY. OTHERWISE, COVERING OR ENCIRCLING THE AREAS WITH PROTECTIVE MEASURES SHALL BE NECESSARY.
20. STORE ALL TRASH AND BUILDING MATERIALS WASTE IN AN ENCLOSURE UNTIL IT CAN BE PROPERLY DISPOSED OF AT THE APPROPRIATE OFF-SITE FACILITIES.
21. TRACKING OF SEDIMENT OFF-SITE BY TRUCK TRAFFIC SHALL BE HANDLED THROUGH REGULAR CLEANING.
22. INSPECTIONS SHALL BE CONDUCTED BY THE PERMITEE ONCE EVERY TWO WEEKS AND WITHIN 24 HOURS AFTER STORM EVENT OF 0.5 INCHES OR MORE OR ONCE PER WEEK ON A SPECIFIC PRE-DEFINED DAY. THE INSPECTIONS WILL INCLUDE:
 - 22.A. DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN STABILIZED.
 - 22.B. AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
 - 22.C. STRUCTURAL CONTROL MEASURES.
 - 22.D. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.
 - 22.E. IDENTIFICATIONS OF MEASURES THAT NEED TO BE MAINTAINED, MODIFIED, OR ADDED TO CORRECT PROBLEMS.
23. CONTRACTOR SHALL MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE TO PRECIPITATION AND TO STORMWATER.
24. PERMANENTLY STABILIZE EXPOSED SOIL, WITHIN AND ADJACENT TO THE SITE, THAT IS DISTURBED BY VEHICLES, GRADING AND OTHER CONSTRUCTION ACTIVITIES.
25. CONTAIN ALL RUNOFF FROM MATERIAL USED IN SUBGRADE STABILIZATION.
26. MATERIAL STOCKPILES SHALL BE COVERED BY PLASTIC OR SURROUNDED BY EROSION CONTROL STRUCTURES TO CONTROL SEDIMENT RELEASES.
27. CONTRACTOR SHALL PROTECT SLOPES IN EXCESS OF 15% IN ORDER TO MINIMIZE EROSION OF SOILS AND THE DISTURBANCE OF SLOPES.
28. VEGETATION TO BE PRESERVED WHERE EVER POSSIBLE TO HELP REDUCE EROSION. WHERE VEGETATION MUST BE REMOVED, PRESERVE NATIVE TOPSOIL IN ALL AREAS POSSIBLE.
29. MINIMIZE SOIL COMPACTION IN AREAS INTENDED FOR POST CONSTRUCTION PVIOUS SURFACE.



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
1	01/21/2022	2022-01-07 CITY COMMENTS PR #1
2	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

EROSION CONTROL 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"=60'			C123

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COLLIN COUNTY ADF - PHASE 1 ADDITION

BENCH MARK LIST

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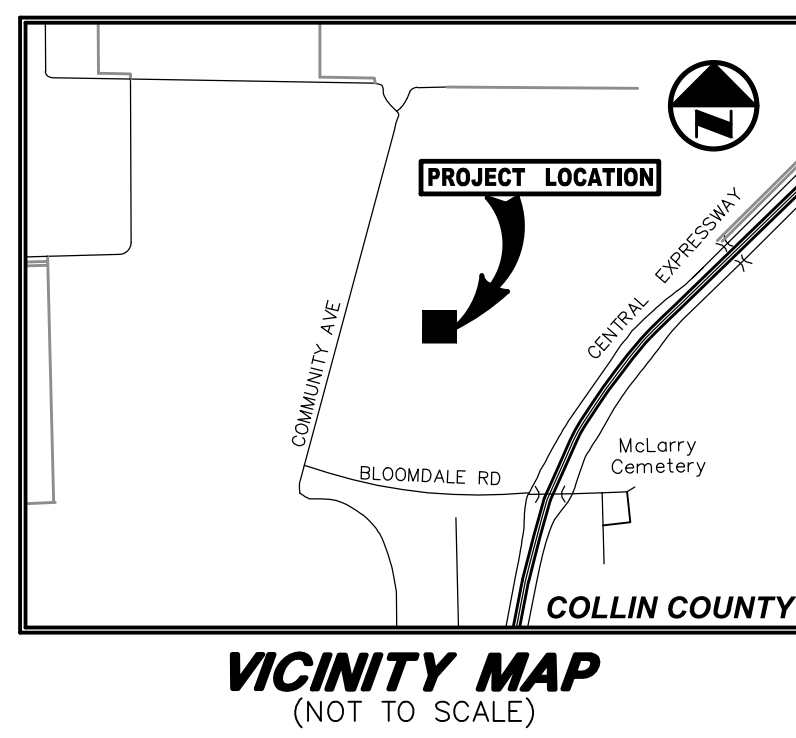
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POST CONSTRUCTION BMP SUMMARY TABLE		
BMP No.	DESCRIPTION	MAINTENANCE
1	INTERIOR VEGETATED OPEN SPACE (NON-STRUCTURAL)	REGULARLY SCHEDULED TRIMMING AND LANDSCAPE MAINTENANCE
2	GRATE INLETS (STRUCTURAL)	TRASH REMOVAL & VISUAL INSPECTION
3	CURB INLETS (STRUCTURAL)	TRASH REMOVAL & VISUAL INSPECTION

ALL PERMANENT BMPs SHALL BE MAINTAINED BY THE PROPERTY OWNER AND SHALL COMPLY WITH THE APPROVED SWQP FOR THE PROPERTY. ALL PERMANENT BMPs SHALL BE LOCATED WITHIN A STORM WATER QUALITY AREA, RIGHT-OF-WAY-, EASEMENT, OR PROTECTED LANDSCAPE SETBACK THAT IS READILY ACCESSIBLE BY THE CITY, AS DETERMINED BY THE DIRECTOR OF ENGINEERING.

EXISTING "C" = 0.3
 POST-DEVELOPMENT "C" = 0.85
 DISTURBED AREA = 7.05 ACRES
 IMPERVIOUS AREA = 2.87 ACRES
 PERVIOUS AREA = 4.18 ACRES



LEGEND

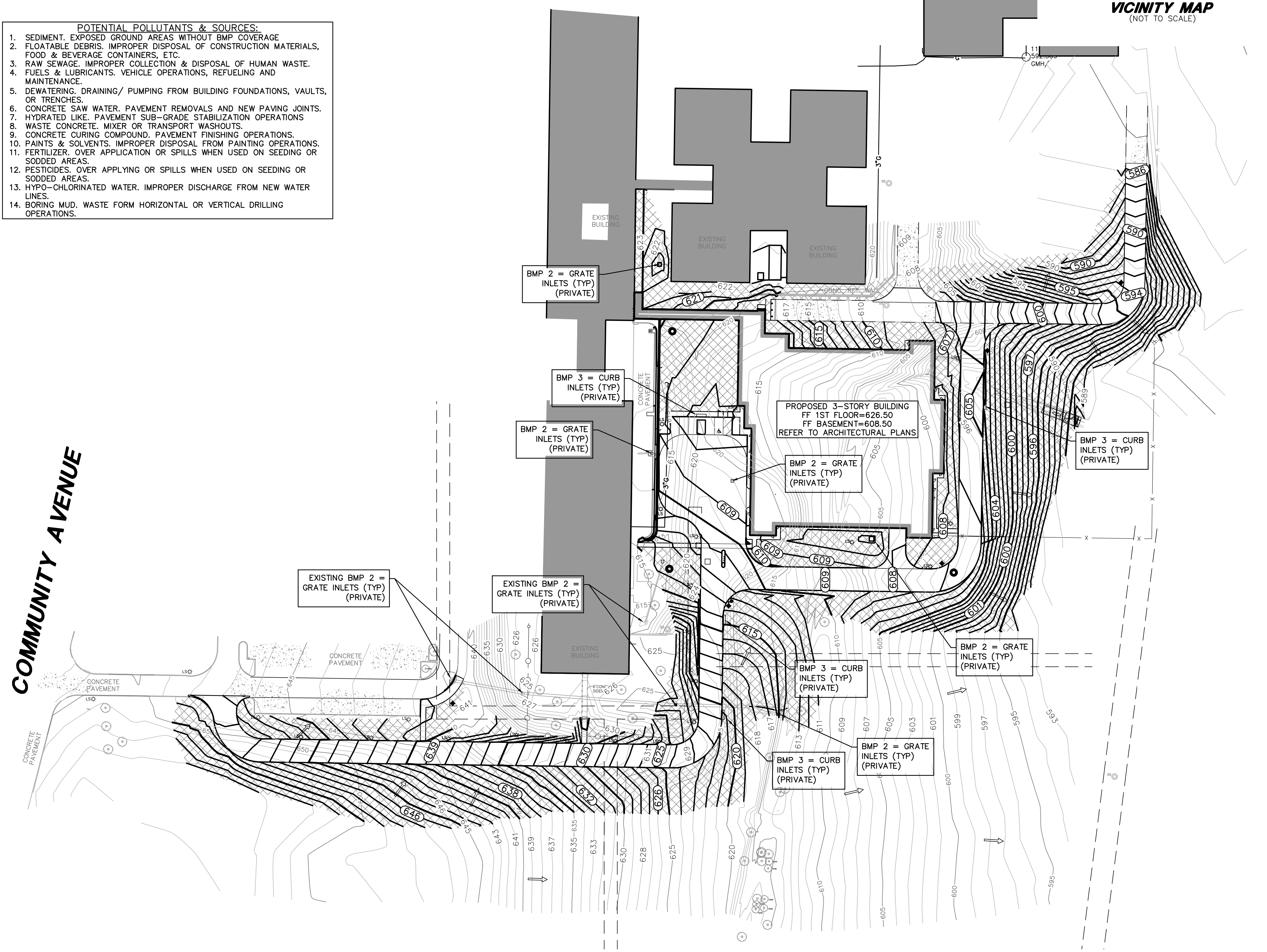
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SI	TRAFFIC SIGN
IR	1/2-INCH IRON ROD
(C.M.)	W/"PACHECO KOCH" CAP SET
---	CONTROLLING MONUMENT
-X-	PROPERTY LINE
-OH-	FENCE
-613-	OVERHEAD UTILITY LINE
-613-	EXIST CONTOUR
-450-	PROPOSED CONTOUR

GRAPHIC SCALE IN FEET: 0, 30, 60, 120, 180

PROPOSED DRAINAGE FLOW DIRECTION: (Arrow symbol)

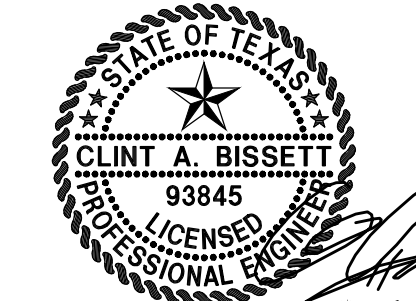
BM # 1: INTERIOR VEGETATED OPEN SPACE: (Hatched box symbol)

- POTENTIAL POLLUTANTS & SOURCES:**
1. SEDIMENT, EXPOSED GROUND AREAS WITHOUT BMP COVERAGE
 2. FLOATABLE DEBRIS, IMPROPER DISPOSAL OF CONSTRUCTION MATERIALS, FOOD & BEVERAGE CONTAINERS, ETC.
 3. RAW SEWAGE, IMPROPER COLLECTION & DISPOSAL OF HUMAN WASTE.
 4. FUELS & LUBRICANTS, VEHICLE OPERATIONS, REFUELING AND MAINTENANCE.
 5. DEWATERING, DRAINING/ PUMPING FROM BUILDING FOUNDATIONS, VAULTS, OR TRENCHES.
 6. CONCRETE SAW WATER, PAVEMENT REMOVALS AND NEW PAVING JOINTS.
 7. HYDRATED LIKE, PAVEMENT SUB-GRADE STABILIZATION OPERATIONS
 8. WASTE CONCRETE, MIXER OR TRANSPORT WASHOUTS.
 9. CONCRETE CURING COMPOUND, PAVEMENT FINISHING OPERATIONS.
 10. PAINTS & SOLVENTS, IMPROPER DISPOSAL FROM PAINTING OPERATIONS.
 11. FERTILIZER, OVER APPLICATION OR SPILLS WHEN USED ON SEEDING OR SODDED AREAS.
 12. PESTICIDES, OVER APPLYING OR SPILLS WHEN USED ON SEEDING OR SODDED AREAS.
 13. HYPO-CHLORINATED WATER, IMPROPER DISCHARGE FROM NEW WATER LINES.
 14. BORING MUD, WASTE FORM HORIZONTAL OR VERTICAL DRILLING OPERATIONS.



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NO.	DATE	REVISION
1	10/19/2021	2021-09-22 CITY COMMENTS PR#1

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 WATER QUALITY 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"=60'			C123.1

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COLLIN COUNTY ADF - PHASE 1 ADDITION

LEVEL 3 VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION (TMS 602-16 Table 3 & Table 4)				
SPECIAL INSPECTION REQUIRED	VERIFICATION, INSPECTION AND TESTING	INSPECTION FREQUENCY		REFERENCE FOR CRITERIA
		CONTINUOUS	PERIODIC	
MINIMUM TESTS				
YES	Prior to construction, verification of compliance of submittals.	--	--	TMS 602-16 Art. 1.5
YES	Prior to construction, verification of fm and FAAC, except where specifically exempted by the code.	--	--	TMS 602-16 Art. 1.4 B
YES	During construction, verification of slump flow and Visual Stability Index (VSI) when self-consolidating grout is delivered to the project site.	--	--	TMS 602-16 Art. 1.5 & 1.6.3
YES	During construction, verification of fm and FAAC for every 5,000 sq. ft. (465 sq. m).	--	--	TMS 602-16 Art. 1.4 B
YES	During construction, verification of proportions of materials as delivered to the project site for premixed or preblended mortar, prestressing grout, and grout other than self-consolidating grout.	--	--	TMS 602-16 Art. 1.4 B
INSPECTION TASKS				
	1. As masonry construction begins, verify that the following are in compliance:			
YES	a. Proportions of site-prepared mortar	--	X	TMS 602-16 Art. 2.1, 2.6 A, & 2.6 C
NO	b. Grade and size of prestressing tendons and anchorages	--	X	TMS 602-16 Art. 2.4 B & 2.4 H
YES	c. Grade, type and size of reinforcement and anchor bolts, and prestressing tendons and anchorages	--	X	TMS 602-16 Art. 3.4 & 3.6 A
NO	d. Prestressing technique	--	X	TMS 602-16 Art. 3.6 B
NO	e. Properties of thin-bed mortar for AAC masonry	X	--	TMS 602-16 Art. 2.1 C.1
YES	f. Sample panel construction	X	--	TMS 602-16 Art. 1.6 D
	2. Prior to grouting, verify that the following are in compliance:			
YES	a. Grout space	X	--	TMS 602-16 Art. 3.2 D & 3.2 F
NO	b. Placement of prestressing tendons and anchorages	--	X	TMS 602-16 Art. 2.4 & 3.6, TMS 402-16 Sec. 10.8 & 10.9
YES	c. Placement of reinforcement, connectors, and anchor bolts	X	--	TMS 602-16 Art. 3.2 E & 3.4, TMS 402-16 Sec. 6.1, 6.3.1, 6.3.6, & 6.3.7
YES	d. Proportions of site-prepared grout and prestressing grout for bonded tendons	--	X	TMS 602-16 Art. 2.6 B & 2.4 G.1.b
	3. Verify compliance of the following during construction:			
YES	a. Materials and procedures with the approved submittals	--	X	TMS 602-16 Art. 1.5
YES	b. Placement of masonry units and mortar joint construction	--	X	TMS 602-16 Art. 3.3 B
YES	c. Size and location of structural members	--	X	TMS 602-16 Art. 3.3 F
YES	d. Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction	X	--	TMS 402-16 Sec. 1.2.1 (e), 6.2.1, & 6.3.1
YES	e. Welding of reinforcement	X	--	TMS 402-16 Sec. 6.1.6.1.2
YES	f. Preparation, construction and protection of masonry during cold weather (temperature below 40°F (4.4°C)) or hot weather (temperature above 90°F (32.2°C))	--	X	TMS 602-16 Art. 1.8 C & 1.8 D
NO	g. Application and measurement of prestressing force	X	--	TMS 602-16 Art. 3.6 B
NO	h. Placement of grout and prestressing grout for bonded tendons is in compliance	X	--	TMS 602-16 Art. 3.5 & 3.6 C
NO	g. Placement of AAC masonry units and construction of thin-bed mortar joints	X	--	TMS 602-16 Art. 3.3 B.9 & 3.3 F.1.b
YES	4. Observe preparation of grout specimens, mortar specimens and/or prisms	X	--	TMS 602-16 Art. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3, & 1.4 B.4
	5. Inspect post-installed anchors and dowels in masonry			
YES	a. Mechanical anchors and adhesive anchors and dowels installed in horizontally or upwardly inclined orientations to resist sustained tension loads	X ¹	--	Manufacturer's specifications & printed installation instructions
YES	b. Mechanical anchors and adhesive anchors and dowels not defined by 5.a.	--	X ¹	Manufacturer's specifications & printed installation instructions

1. Post-installed anchors and dowels shall be either (a) visually inspected during installation, or (b.) load tested after installation as noted below:
 - a. Visual inspections shall be performed during the installation by a Special Inspector certified by ACI as a "Post-Installed Concrete Anchor Installation Inspector". Submit a report to the licensed design professional and building official documenting that the work covered by the report has been performed and that the materials used and the installation procedures used conform with the approved construction documents and the Manufacturer's Printed Installation Instructions.
 - b. Load Testing shall comply with the following:
 - i. Test at least ten (10) percent of each type and diameter of post-installed anchors. If one or more anchors fail the test, all post-installed anchors of the same diameter and type installed the same day as the failed anchor shall be load tested at the contractor's expense. If additional anchors fail, the engineer may require testing all anchors of the same diameter and type already installed at the contractor's expense.
 - ii. Tension testing shall comply with ASTM E498
 - iii. Test post-installed anchors to 50 percent of ultimate tensile capacity of post-installed anchor.
 - iv. Apply test loads with a calibrated hydraulic ram.
 - v. Displacement of post-installed anchors shall not exceed D/10, where D is nominal diameter of anchor being tested.
 - vi. Correct defective work by removing and replacing or correcting, as directed by engineer.
 - vii. Contractor shall pay for all corrections, engineering, and additional testing associated with failed anchor tests.
 - viii. Testing agency shall submit test results to contractor and engineer with 24 hours of completion of test.

VERIFICATION AND INSPECTION TASKS FOR STRUCTURAL COLD-FORMED STEEL FRAMING					
SPECIAL INSPECTION REQUIRED	VERIFICATION, INSPECTION AND TESTING	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODIC		
YES	1. Fabrication process of prefabricated cold-formed structural elements and assemblies shall be in accordance with IBC 1704.2.5 and local amendments	--	X	--	1704.2.5
	2. Inspect lateral resisting elements, including shear walls, braces, diaphragms, collectors (drag struts), and hold-downs for the following:				
YES	a. Member size, gauge thickness, and materials.	--	X		
YES	b. Size of framing members at adjoining panel edges for diaphragms and shear walls.	--	X	--	1705.11.2 1705.12.3
YES	c. Screw diameter, length, and spacing for diaphragms and shear walls.	--	X		
YES	d. Bolting, anchoring, and other fastening of components.	--	X		
YES	e. Welding operations.	--	X		
	3. Trusses with clear span 60'-0" or greater, inspector shall verify the following:				
YES	a. Temporary installation restraint/bracing installed per approved truss submittal package.	X	--	--	1705.2.4
YES	b. Permanent individual truss member restraint/bracing installed per approved truss submittal package.	X	--		

VERIFICATION AND INSPECTION OF SOILS (IBC TABLE 1705.6)			
SPECIAL INSPECTION REQUIRED	VERIFICATION, INSPECTION AND TESTING	INSPECTION FREQUENCY	
		CONTINUOUS	PERIODIC
YES	1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	--	X
YES	2. Verify excavations are extended to proper depth and have reached proper material.	--	X
YES	3. Perform classification and testing of compacted fill materials.	--	X
YES	4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	X	--
YES	5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	--	X

VERIFICATION AND INSPECTION OF CAST-IN-PLACE DEEP FOUNDATION ELEMENTS (IBC TABLE 1705.8)			
SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	INSPECTION FREQUENCY	
		CONTINUOUS	PERIODIC
YES	1. Inspect drilling operations and maintain complete and accurate records for each element.	X	--
YES	2. Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end bearing strata capacity. Record concrete or grout volumes.	X	--
YES	3. For concrete elements, perform additional inspections in accordance with IBC Section 1705.9	--	--

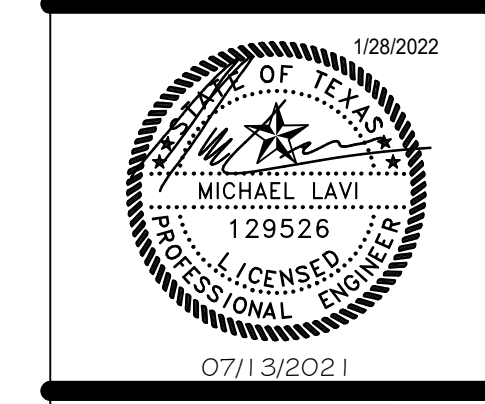
COLLIN COUNTY ADF - PHASE 1 ADDITION

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

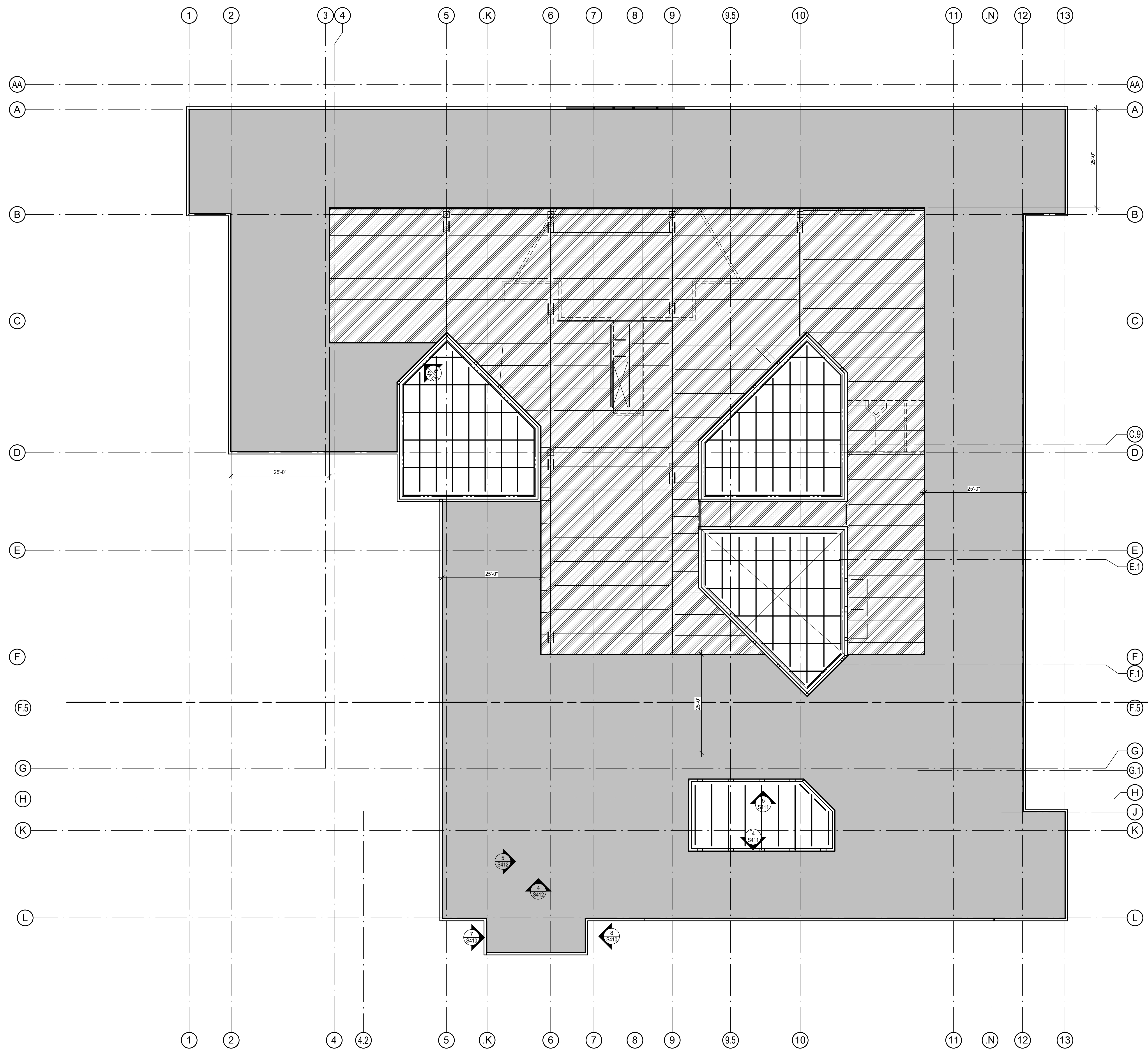
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#	Date	Description
1	01/31/2022	PR #1
2		



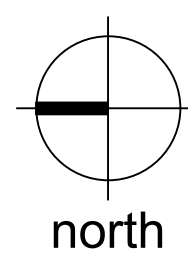
SPECIAL INSPECTIONS

21913
 07/13/2021
S103

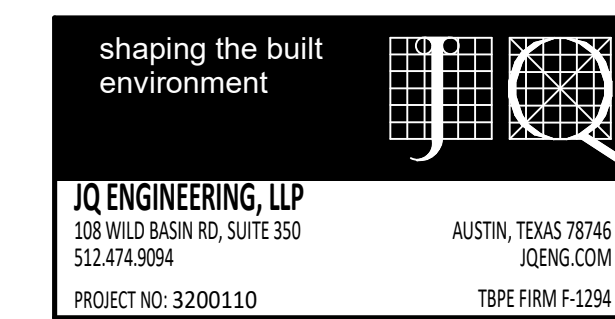
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 608 WILD BAYN RD, SUITE 350
 512-474-9084
 PROJECT NO. 3200110
 AUSTIN, TEXAS 78746
 JQENG.COM
 TYPE FIRM F-1294



1 HIGH ROOF WIND UPLIFT PLAN
SCALE: 3/32" = 1'-0"



ZONES	GROSS WIND UPLIFT- (10 SQ. FT OR LESSER) PSF	GROSS WIND UPLIFT- (100 SQ. FT OR GREATER) PSF	GROSS WIND DOWNWARD- (10 SQ. FT OR LESSER) PSF	GROSS WIND DOWNWARD- (100 SQ. FT OR GREATER) PSF	NET PRESSURES FOR JOIST DESIGN (PSF STRENGTH LOADS)
ZONE 2	-75.5	-59.4	32.9	16	-41.4
ZONE 1	-57.2	-44.7	16	16	-26.7



COLLIN COUNTY ADF - PHASE 1 ADDITION

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Security: Latitech (972) 633-8650

BRINKLEY SARGENT WIGINTON ARCHITECTS

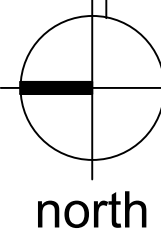
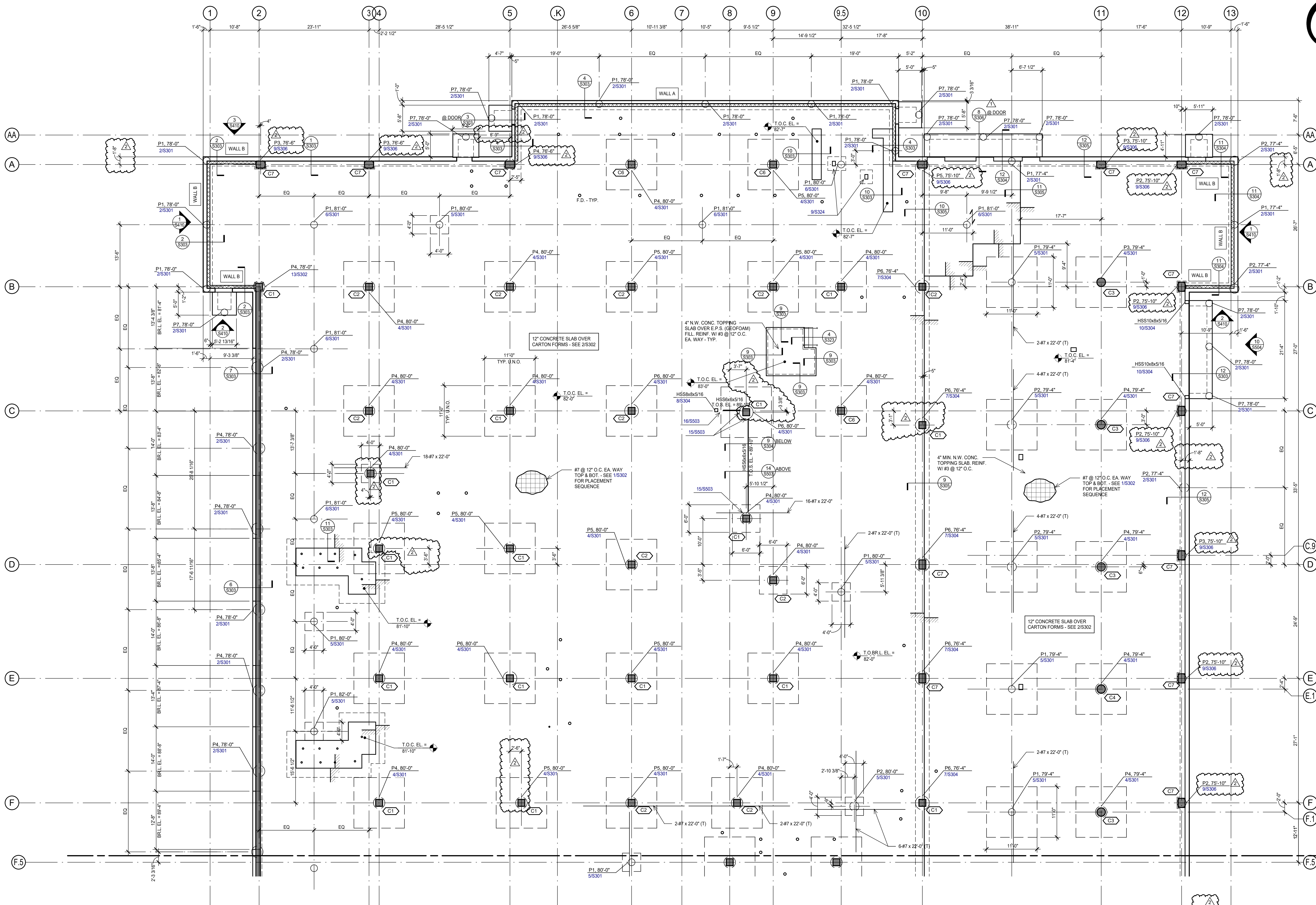
History		
#	Date	Description
1	01/31/2022	PR #1
2		



HIGH ROOF WIND UPLIFT PLAN

21913
07/13/2021
S105

BID SET



1 LOWER LEVEL EAST - FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

PLAN NOTES:

- FINISH FLOOR ELEVATION = 62'-0", UNLESS NOTED OTHERWISE. ACTUAL ELEVATION 608.5' = 62'-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).
- 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

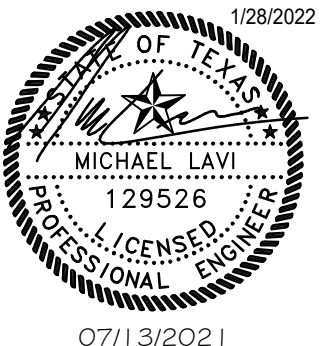
COLLIN COUNTY ADF - PHASE 1 ADDITION

4300 COMMUNITY AVE, MCKINNEY, TX 75071

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 Civil: Pacheco Koch (214) 451-2765
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 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
2	01/31/2022 PR #1
	2



LOWER LEVEL EAST - FOUNDATION PLAN

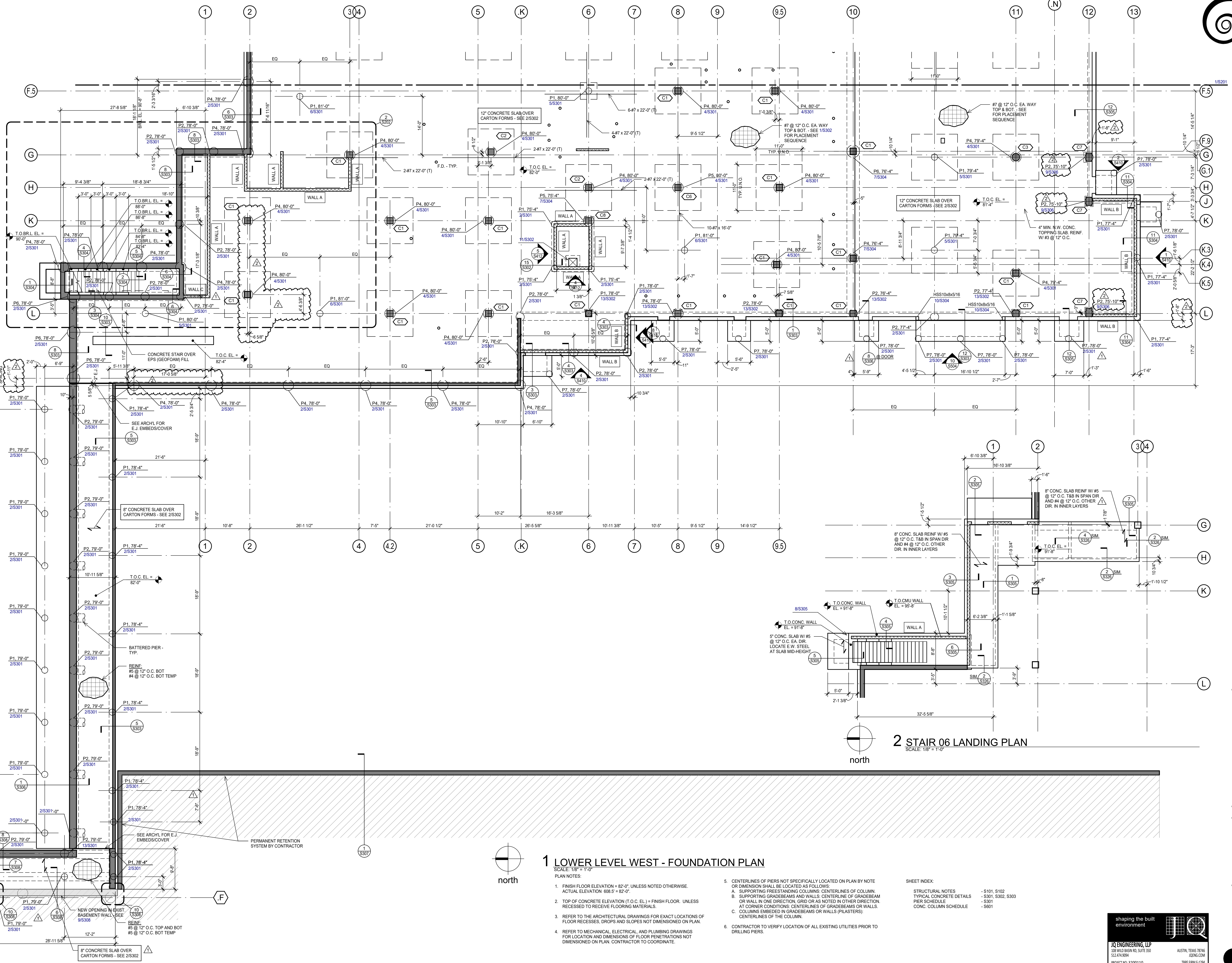
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 608 WILD BAY RD, SUITE 350
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21913 07/13/2021 **S201**

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 Security: Latartech (972) 633-8650

BRINKLEY SARGENT WIGNTON ARCHITECTS

1 LOWER LEVEL WEST - FOUNDATION PLAN
 SCALE: 1/8" = 1'-0"

- PLAN NOTES:
1. FINISH FLOOR ELEVATION = 82'-0". UNLESS NOTED OTHERWISE. ACTUAL ELEVATION 808.5' = 82'-0".
 2. TOP OF CONCRETE ELEVATION (T.O.C. EL.) = FINISH FLOOR, UNLESS RECESSED TO RECEIVE FLOORING MATERIALS.
 3. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF FLOOR RECESSES, DROPS AND SLOPES NOT DIMENSIONED ON PLAN.
 4. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR LOCATION AND DIMENSIONS OF FLOOR PENETRATIONS NOT DIMENSIONED ON PLAN. CONTRACTOR TO COORDINATE.
 5. 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.
 6. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO DRILLING PIERS.

- SHEET INDEX:
- S101, S102
 - S301, S302, S303
 - S301
 - S801

#	Date	Description
1	8/18/2021	Addendum 2
2	01/31/2022	PR #1
		2



**LOWER LEVEL
WEST -
FOUNDATION
PLAN**

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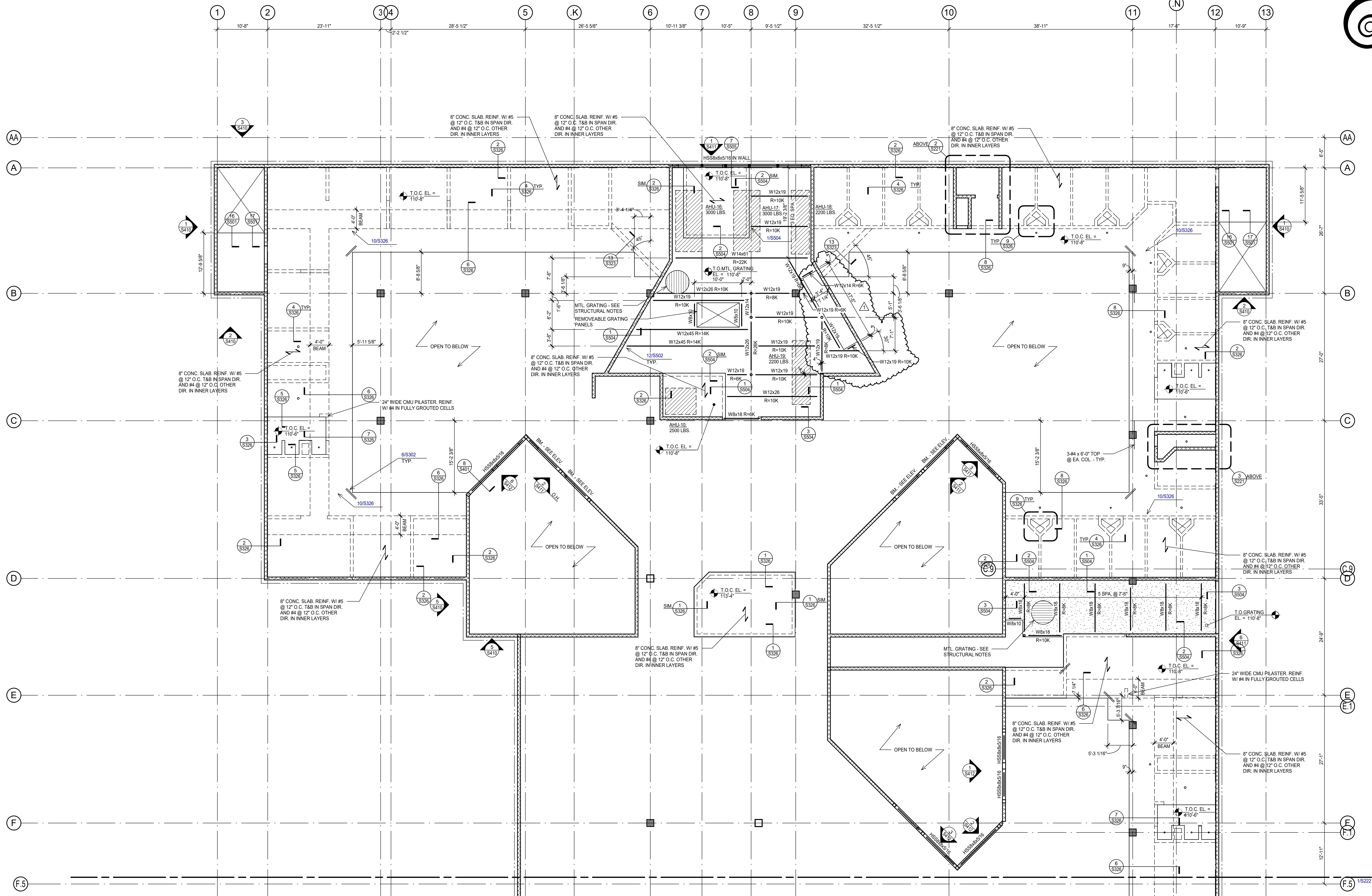
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 512-474-9084
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 JQENGINE.COM
 TYPE FORM F-1294

21913
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S202

BID SET



1 2ND TIER LEVEL EAST - FRAMING PLAN

- SCALE: 1/8" = 1'-0"
- PLAN NOTES:
- FINISH FLOOR ELEVATION = 110'-8", UNLESS NOTED OTHERWISE.
 - 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 FOR FLOOR PENETRATIONS NOT DIMENSIONED ON PLAN. CONTRACTOR TO COORDINATE.
 - TYPICAL CONCRETE SLAB THICKNESS IS 8" (OVERALL), UNLESS NOTED OTHERWISE.
- SHEET INDEX:
- STRUCTURAL NOTES - S101, S102
 - TYPICAL CONCRETE DETAILS - S301, S302, S303
 - TYPICAL MASONRY DETAILS - S401, S402
 - CONC. BEAM SCHEDULE - S602
 - CONC. COLUMN SCHEDULE - S601

NOTE:
SEE ARCHITECTURAL FOR DIMENSIONS,
LOCATIONS, AND TYPES OF ALL CMU WALLS.
DO NOT SCALE STRUCTURAL DRAWINGS OR
ELECTRONIC MEDIA.

8" CONC. SLAB, REINF. W/ #5
@ 12" O.C. AT MID-HEIGHT IN
SLAB SPAN AND #4 @ 12"
O.C. OTHER DIR.

2 ENLARGED PLAN

SCALE: 1/8" = 1'-0"

8" CONC. SLAB, REINF. W/ #5
@ 12" O.C. AT MID-HEIGHT IN
SLAB SPAN AND #4 @ 12"
O.C. OTHER DIR.

3 ENLARGED PLAN

SCALE: 1/8" = 1'-0"

**COLLIN COUNTY ADF -
PHASE 1 ADDITION**

4300 COMMUNITY AVE, MCKINNEY, TX 75071

History

#	Date	Description
1	01/31/2022	PR #1
2		



**2ND TIER
LEVEL EAST -
FRAMING PLAN**

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AUSTIN, TEXAS 78746
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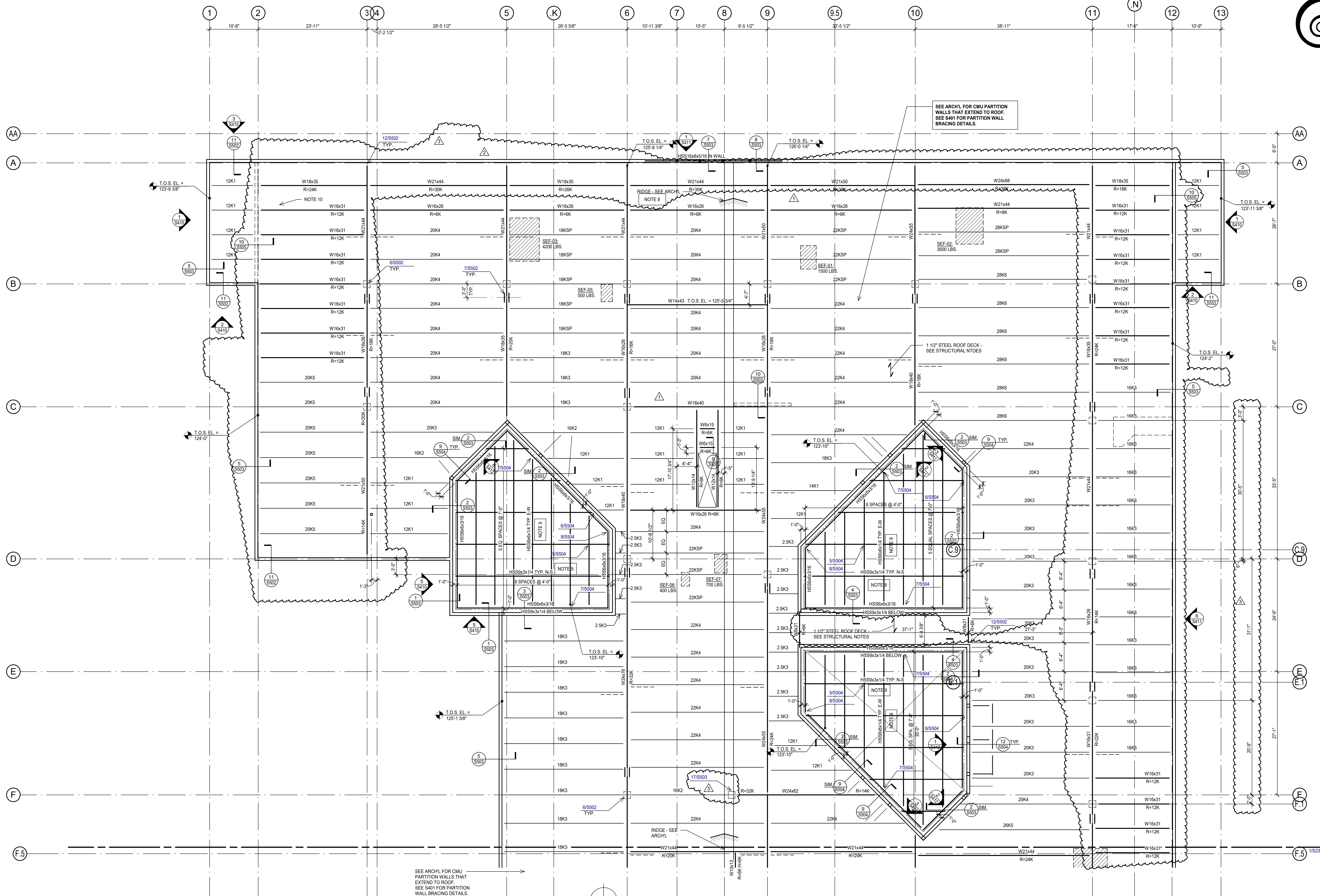
S221

BID SET

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

BRINKLEY SARGENT WIGINTON ARCHITECTS

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1 EAST - ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"
PLAN NOTES:

- TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. SEE ELEVATIONS NOTED ON THE PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES, UNLESS NOTED OTHERWISE.
- TOP OF STEEL ELEVATION (T.O.S. EL.) = TOP OF BEAM, JOIST, OR MEMBER SUPPORTING ROOF DECK = BOTTOM OF DECK.
- SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR LOCATION AND DIMENSIONS OF ROOF PENETRATIONS NOT DIMENSIONED ON PLAN. CONTRACTOR TO COORDINATE.
- STEEL JOISTS SHALL BE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES, UNLESS NOTED OTHERWISE.
- JOISTS NOTED AS "SP" ARE SPECIAL DESIGNS TO BE PROVIDED BY SUPPLIER FOR LOADINGS INDICATED.
JOIST UNIFORM LOADS: TL=280 PLF, LL=130 PLF (SERVICE LOADS)
- SEE SHEET 1/5105 FOR NET UPLIFT LOADS FOR JOIST DESIGN.
- PROVIDE BEAM FLANGE BRACING AT ALL GRIDERS PER 145501.
- PROVIDE TAPERED INSULATION BETWEEN GRIDS 8 & 9 AS REQUIRED FOR ROOF SLOPE.
- ALL SECURITY BARRIER SUPPORT FRAMING TO BE HOT DIP GALVANIZED.
- ALTERNATE #6: ROOF EQUIPMENT SCREENING. SEE ARCHITECTURAL FOR LOCATION.

SHEET INDEX:
STRUCTURAL NOTES - S101, S102
TYPICAL MASONRY DETAILS - S401, S402
TYPICAL STEEL DETAILS - S501, S502
CONC. COLUMN SCHEDULE - S601

NOTE:
SEE ARCHITECTURAL FOR DIMENSIONS, LOCATIONS, AND TYPES OF ALL CMU WALLS. DO NOT SCALE STRUCTURAL DRAWINGS OR ELECTRONIC MEDIA.

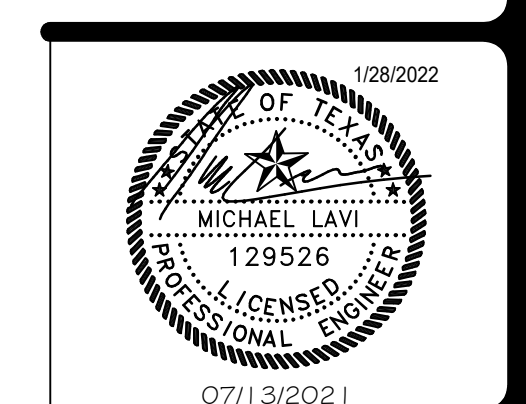
SEE ARCH'L FOR CMU PARTITION WALLS THAT EXTEND TO ROOF. SEE S401 FOR PARTITION WALL BRACING DETAILS.

SEE ARCH'L FOR CMU PARTITION WALLS THAT EXTEND TO ROOF. SEE S401 FOR PARTITION WALL BRACING DETAILS.

**COLLIN COUNTY ADF -
PHASE 1 ADDITION**

4300 COMMUNITY AVE, MCKINNEY, TX 75071

History	
#	Date Description
1	8/18/2021 Addendum 2
2	8/20/2021 Addendum 3
3	01/31/2022 PR #1
	2



**ROOF EAST -
FRAMING PLAN**

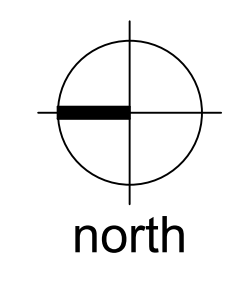
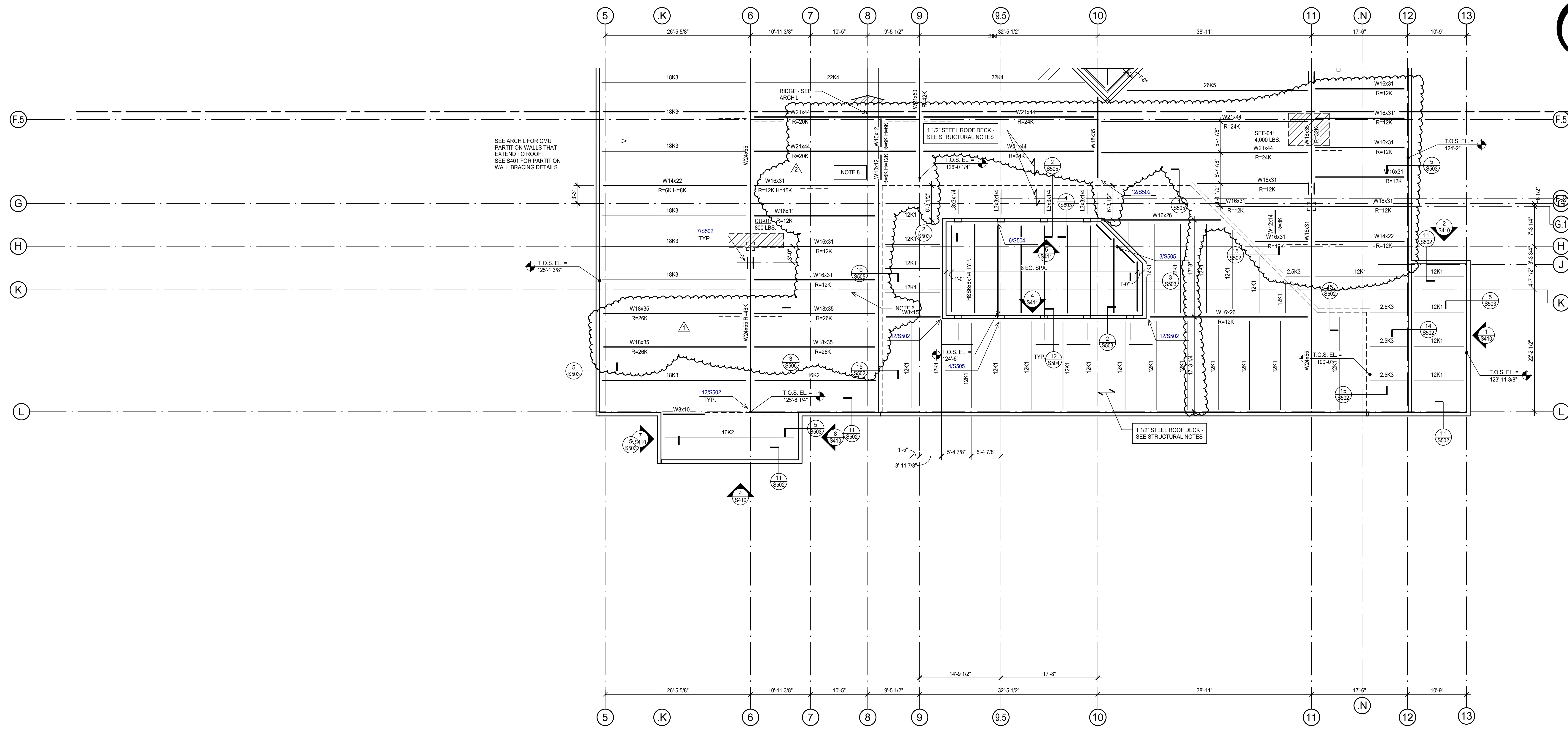
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512-474-9084
PROJECT NO. 3200110

AUSTIN, TEXAS 78746
JQENGINEERING.COM
TBE FIRM F-1294

Architect: Brinkley Sargent Wigginton 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



1 WEST - ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

PLAN NOTES:

1. TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. SEE ELEVATIONS NOTED ON THE PLAN. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES, UNLESS NOTED OTHERWISE.
2. TOP OF STEEL ELEVATION (T.O.S. EL.) = TOP OF BEAM, JOIST, OR MEMBER SUPPORTING ROOF DECK = BOTTOM OF DECK.
3. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR LOCATION AND DIMENSIONS OF ROOF PENETRATIONS NOT DIMENSIONED ON PLAN. CONTRACTOR TO COORDINATE.
4. STEEL JOISTS SHALL BE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN CENTERLINES, UNLESS NOTED OTHERWISE.
5. JOISTS NOTED AS "SP" ARE SPECIAL DESIGNS TO BE PROVIDED BY SUPPLIER FOR LOADINGS INDICATED.
6. ALTERNATE #6: ROOF EQUIPMENT SCREENING. SEE ARCHITECTURAL FOR LOCATION.
7. PROVIDE BEAM FLANGE BRACING PER 14/S501 WHERE NOTED *** ON PLAN.
8. PROVIDE TAPERED INSULATION BETWEEN GRIDS 6 & 9 AS REQUIRED FOR ROOF SLOPE.

SHEET INDEX:
STRUCTURAL NOTES - S101, S102
TYPICAL MASONRY DETAILS - S401, S402
TYPICAL STEEL DETAILS - S501, S502
CONC. COLUMN SCHEDULE - S601

NOTE:
SEE ARCHITECTURAL FOR DIMENSIONS, LOCATIONS, AND TYPES OF ALL CMU WALLS. DO NOT SCALE STRUCTURAL DRAWINGS OR ELECTRONIC MEDIA.

**COLLIN COUNTY ADF -
PHASE 1 ADDITION**

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Architect: Brinkley Sargent Wigginton Architects (972) 960-9970
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Security: Latitech (972) 633-8650

BRINKLEY SARGENT WIGGINTON ARCHITECTS

History		
#	Date	Description
1	8/20/2021	Addendum 3
2	01/31/2022	PR #1
		2



**ROOF WEST -
FRAMING PLAN**

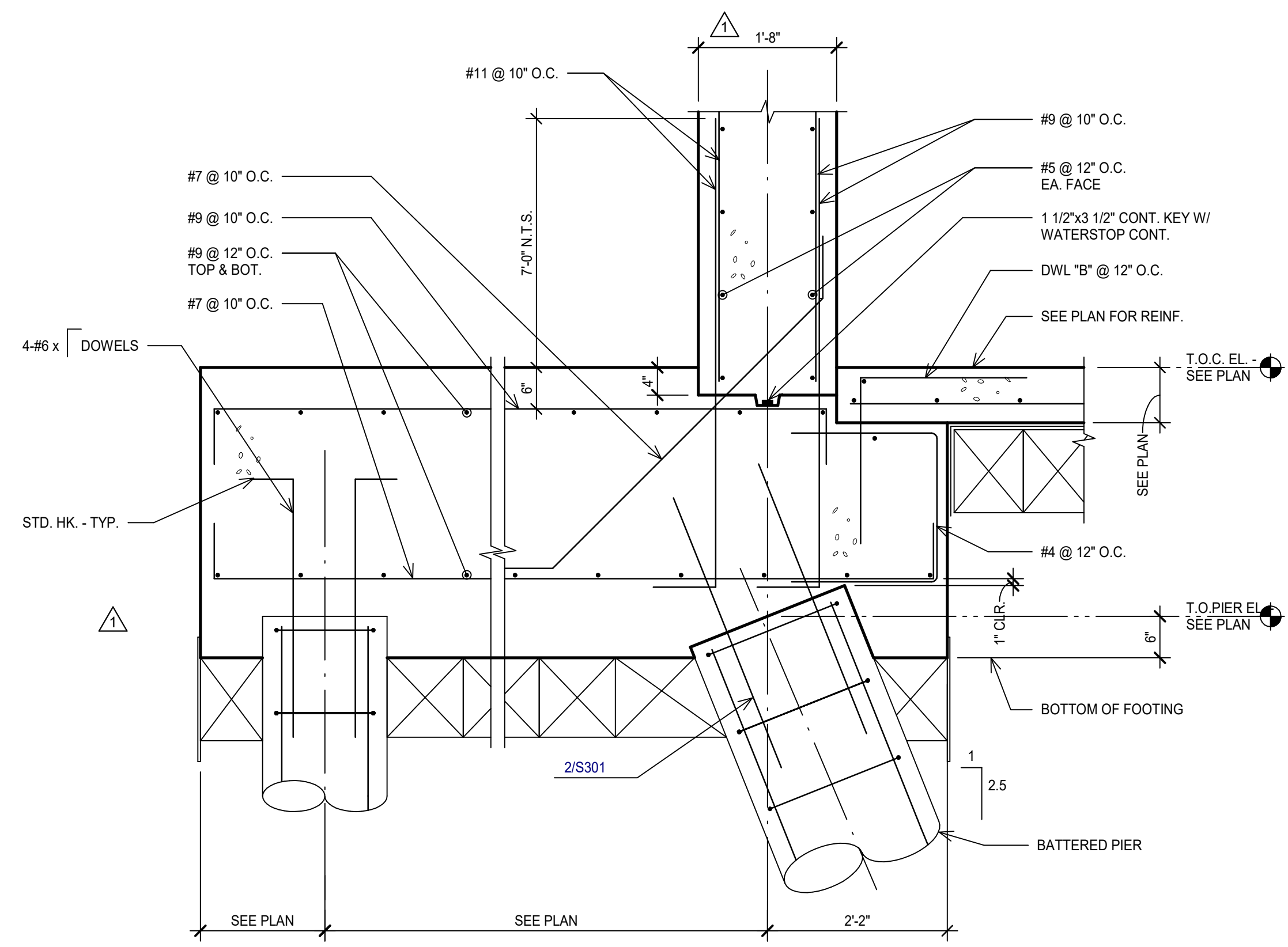
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608 WILD BAYN RD, SUITE 350
512-474-9884
PROJECT NO: 3200110

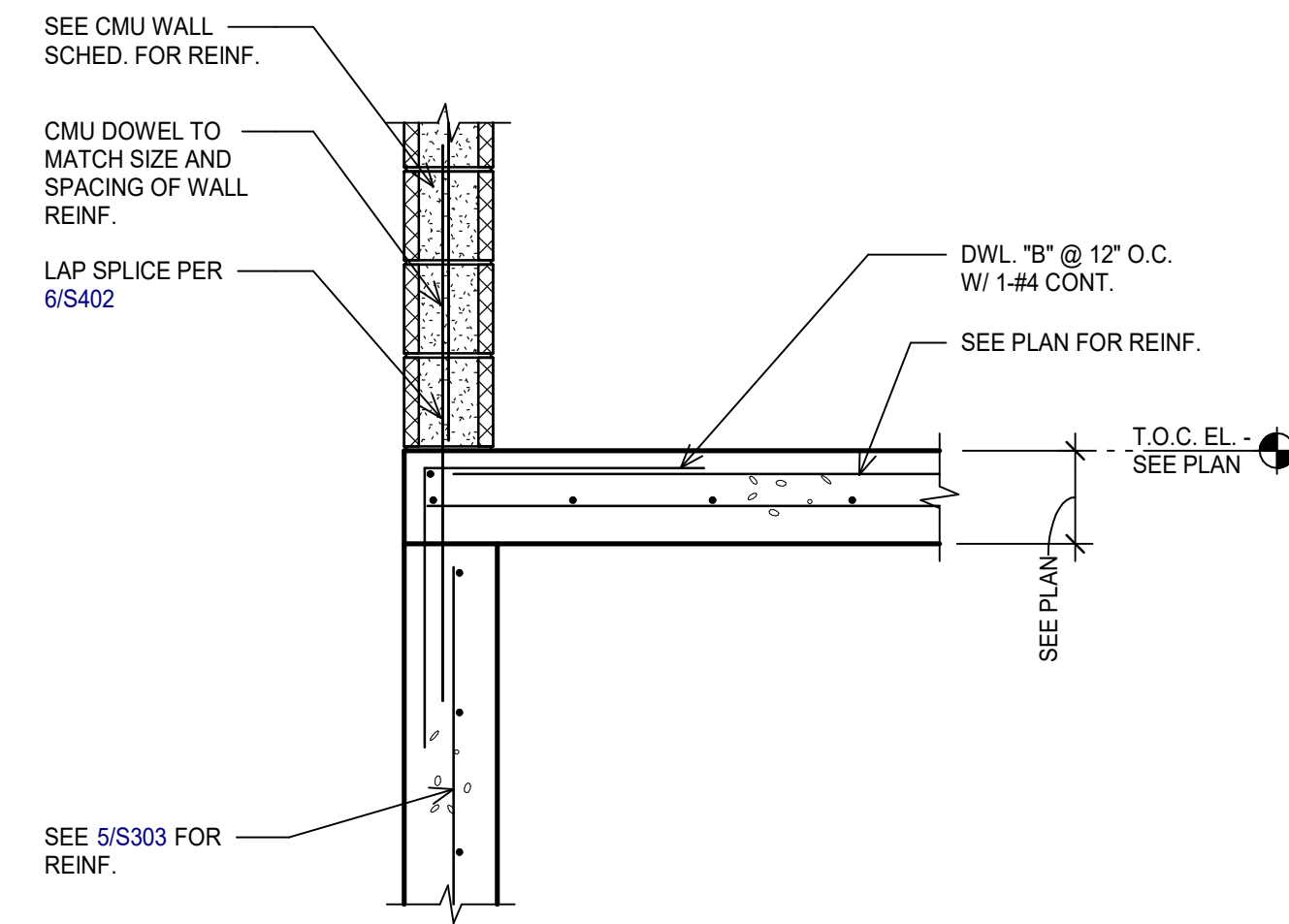
AUSTIN, TEXAS 78746
JQENG.COM
TIRE FIRM F-1294

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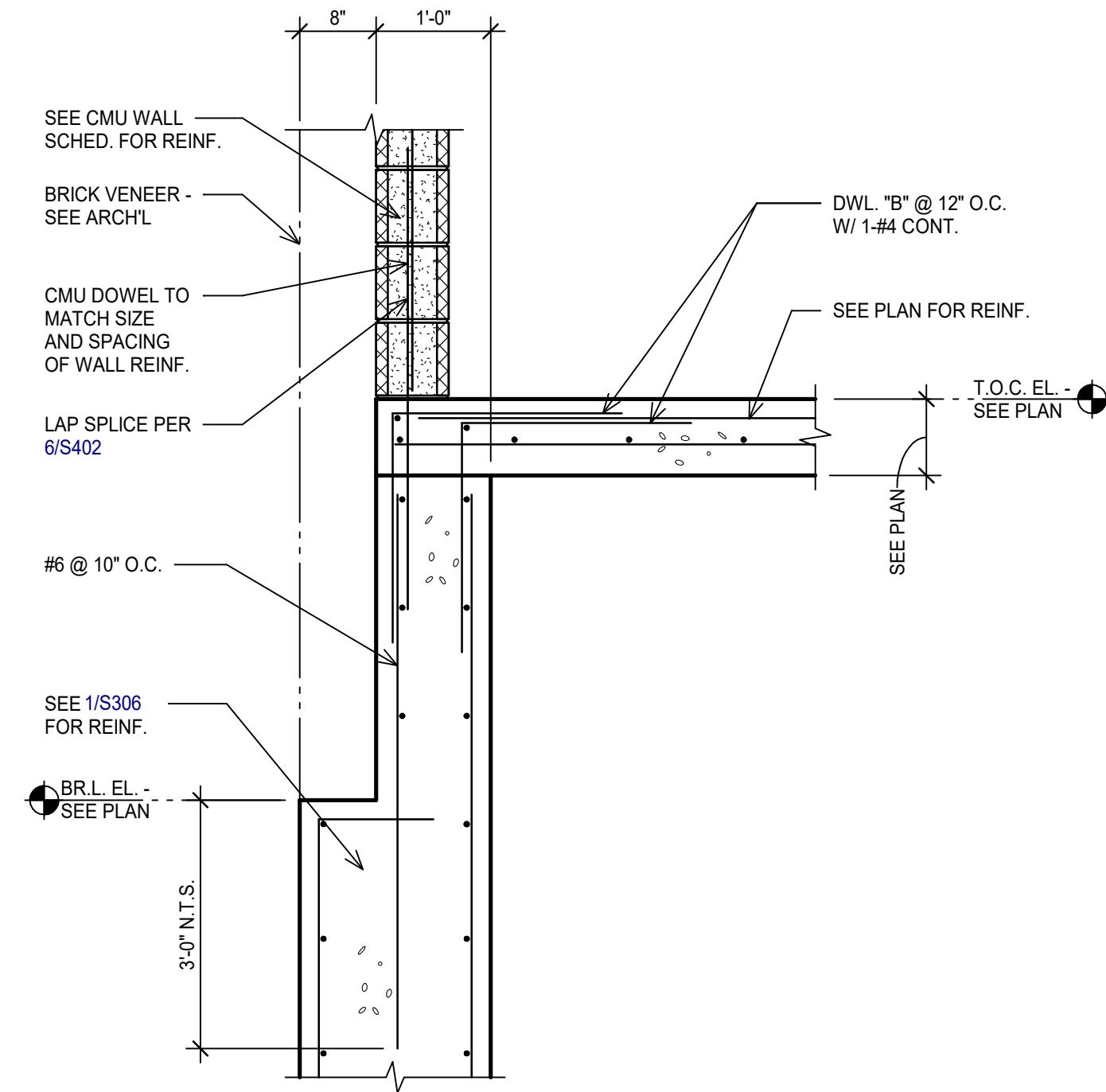
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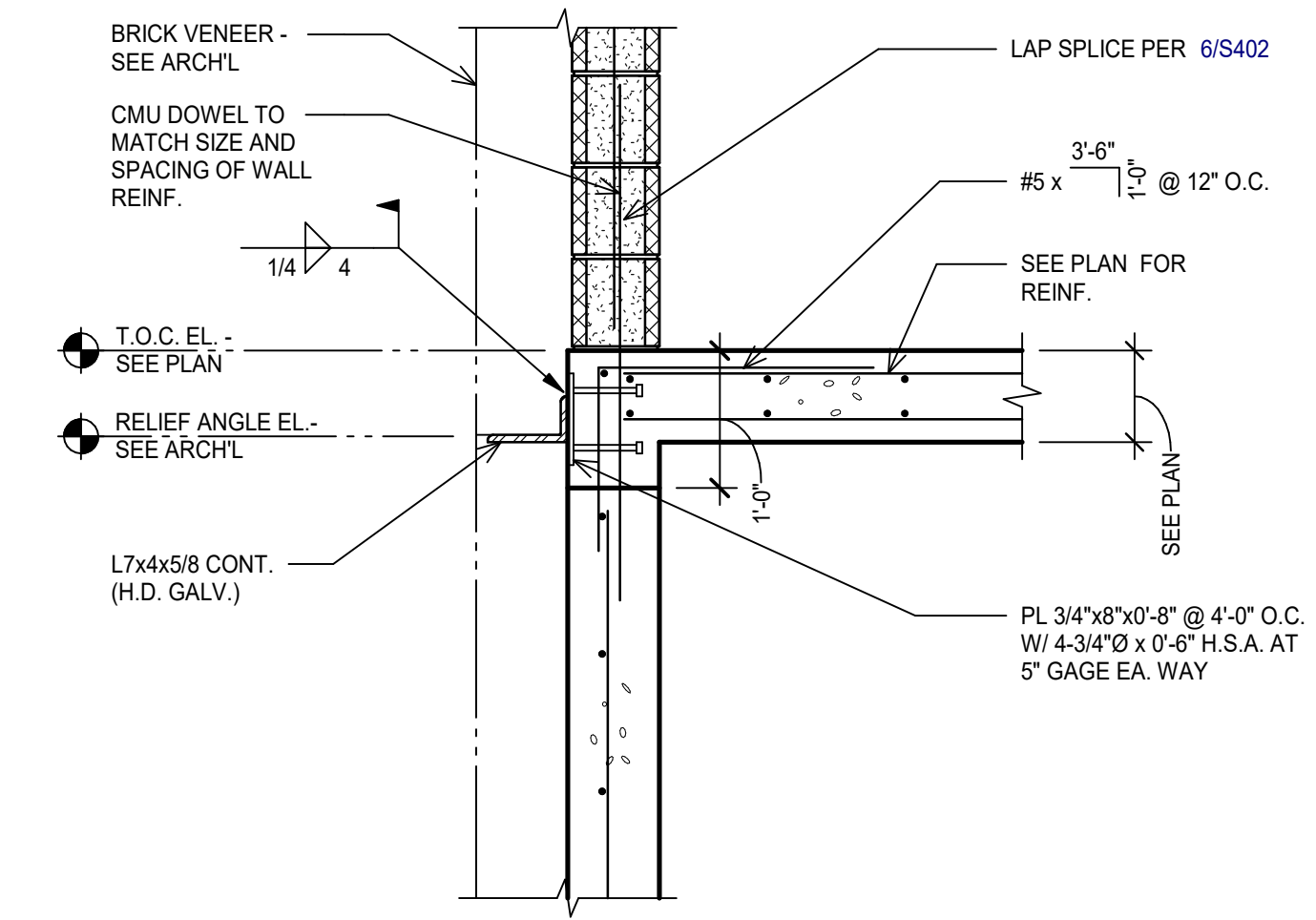
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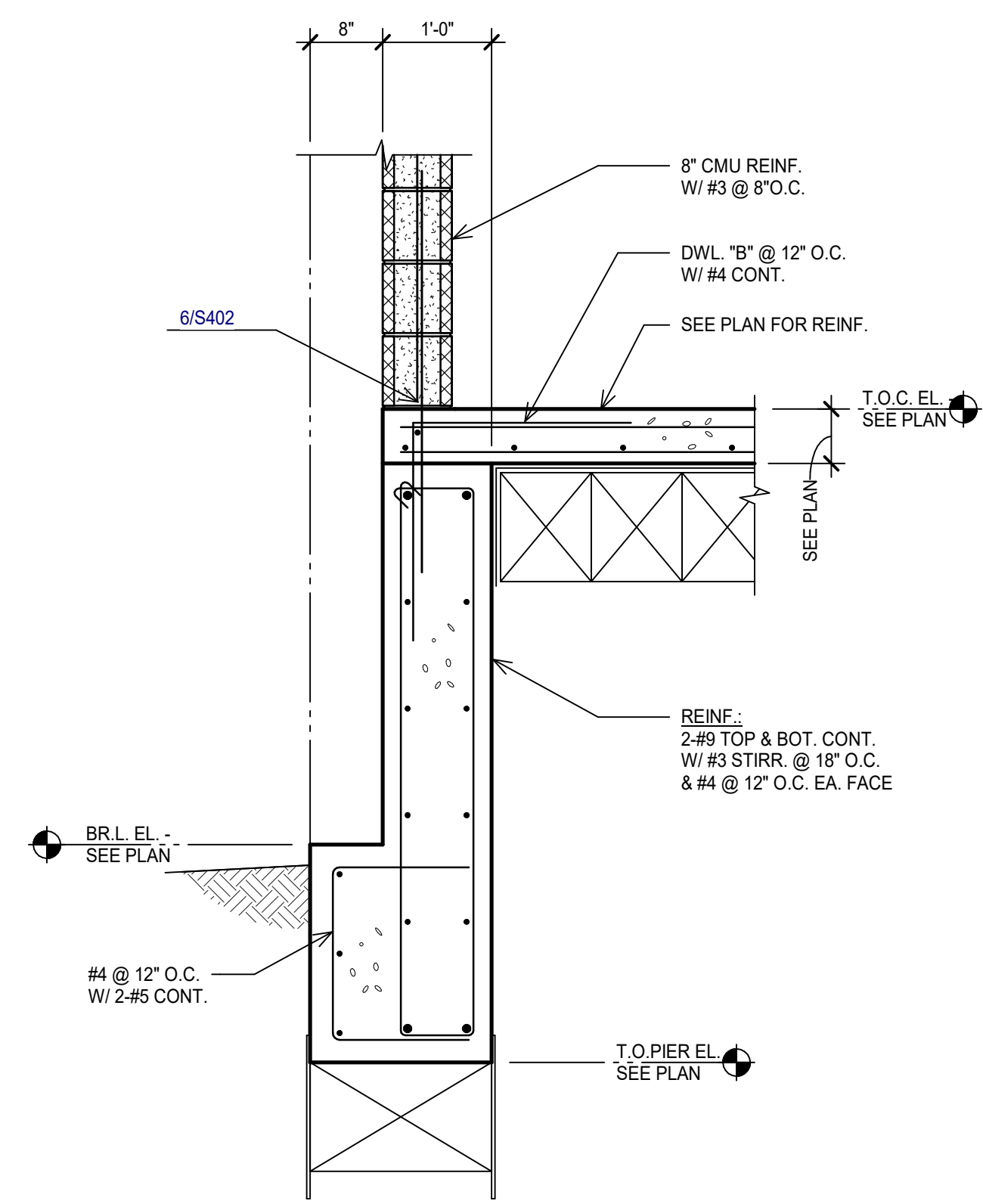
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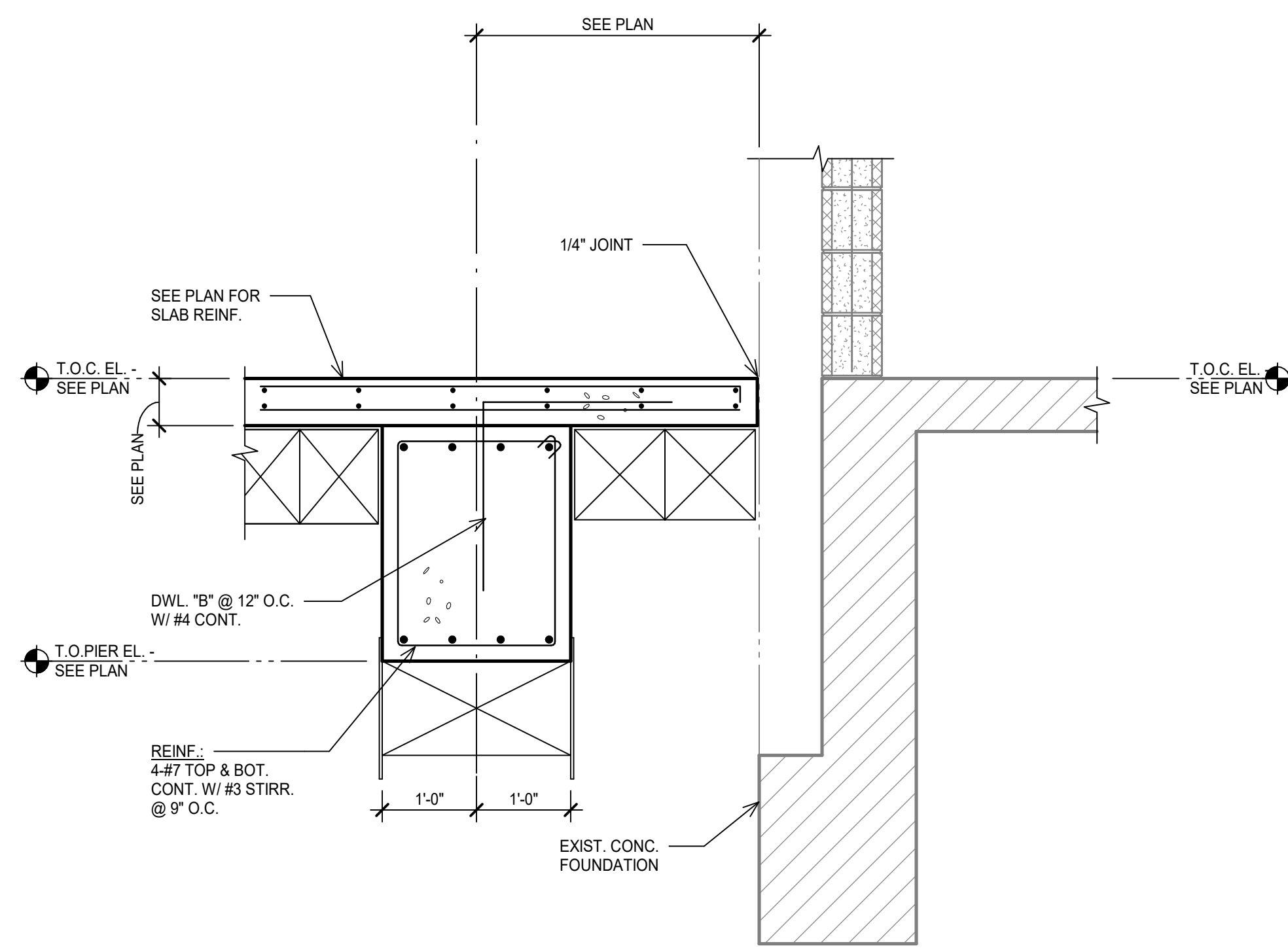
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SCALE: 3/4" = 1'-0"



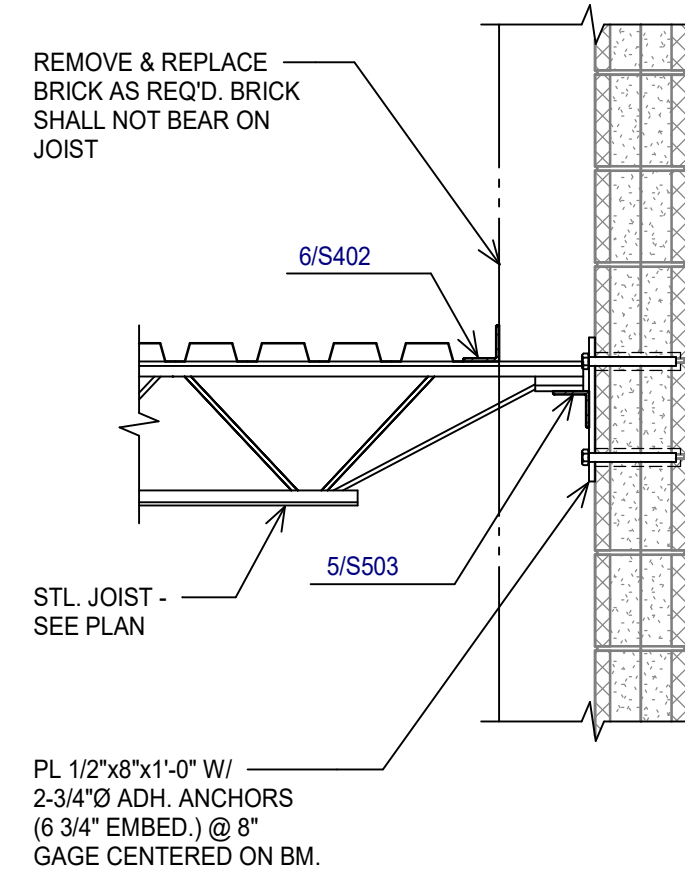
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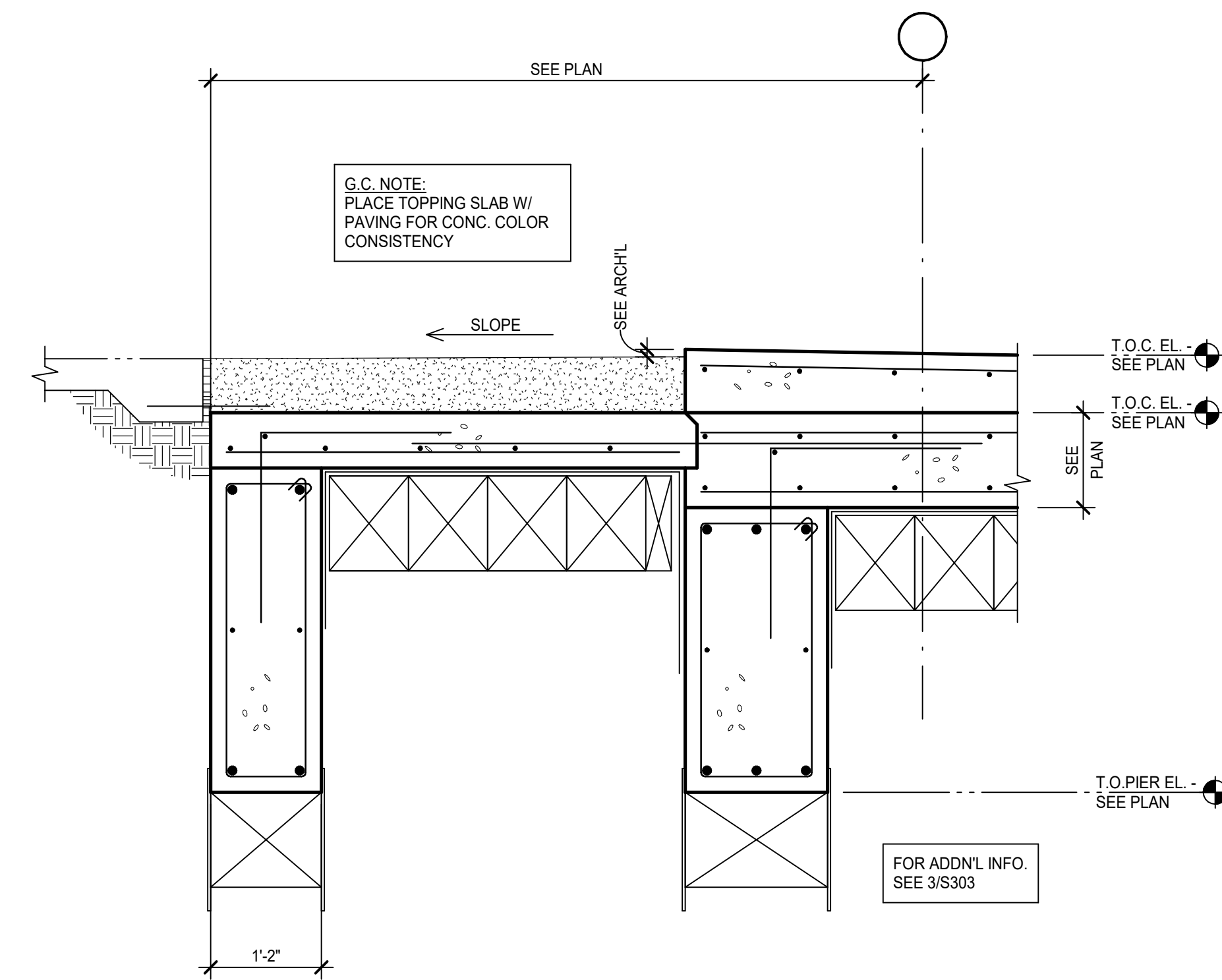
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SCALE: 3/4" = 1'-0"



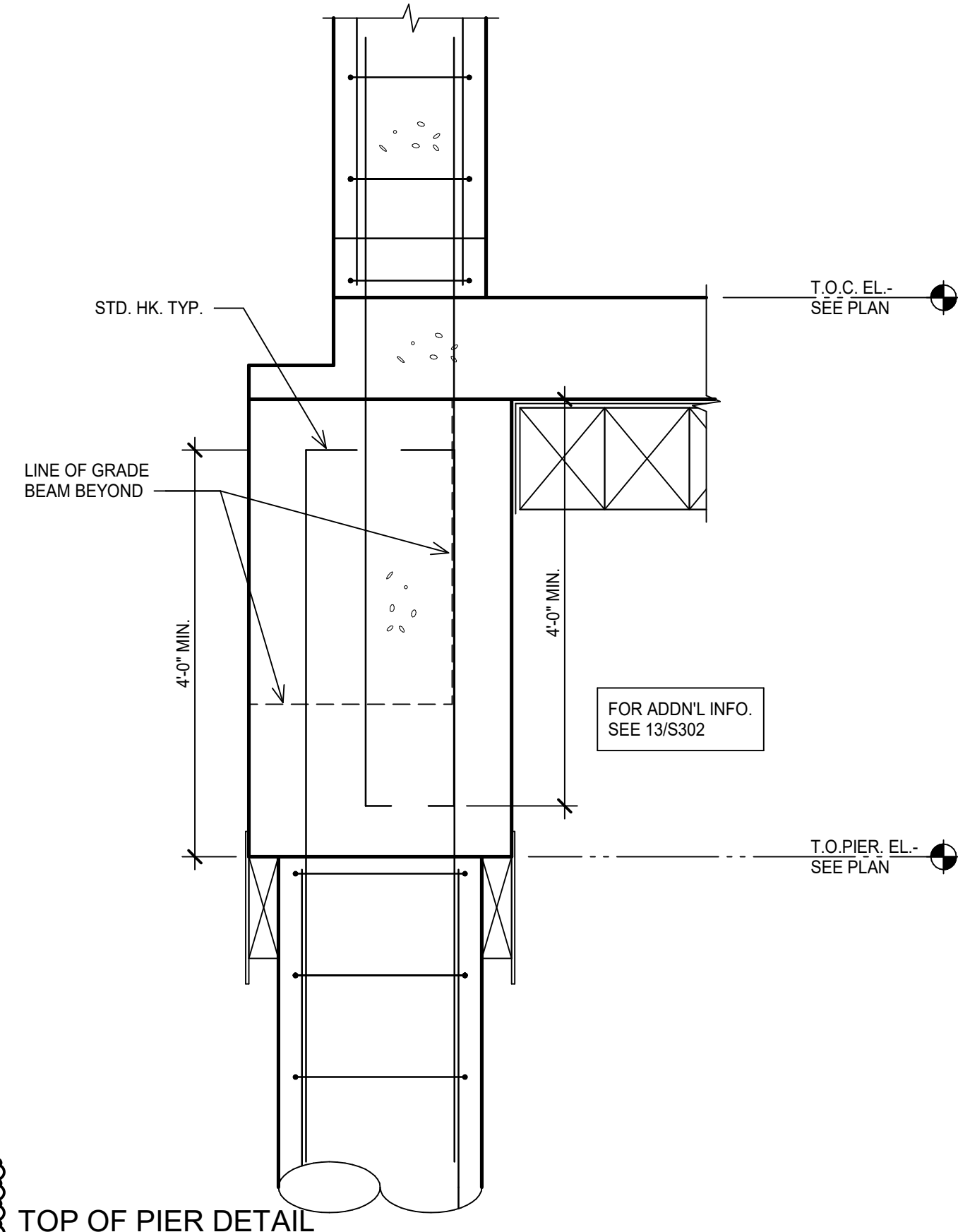
6 SECTION
SCALE: 3/4" = 1'-0"



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



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



9 TOP OF PIER DETAIL
SCALE: 3/4" = 1'-0"

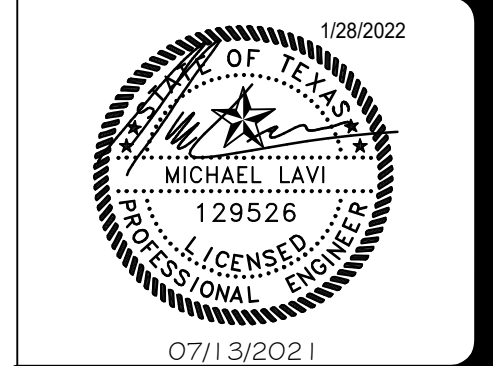
COLLIN COUNTY ADF - PHASE 1 ADDITION

4300 COMMUNITY AVE, MCKINNEY, TX 75071

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

BRINKLEY SARGENT WIGINTON ARCHITECTS

History		
#	Date	Description
1	8/18/2021	Addendum 2
2	01/31/2022	PR #1
		2



CONCRETE
DETAILS

shaping the built environment

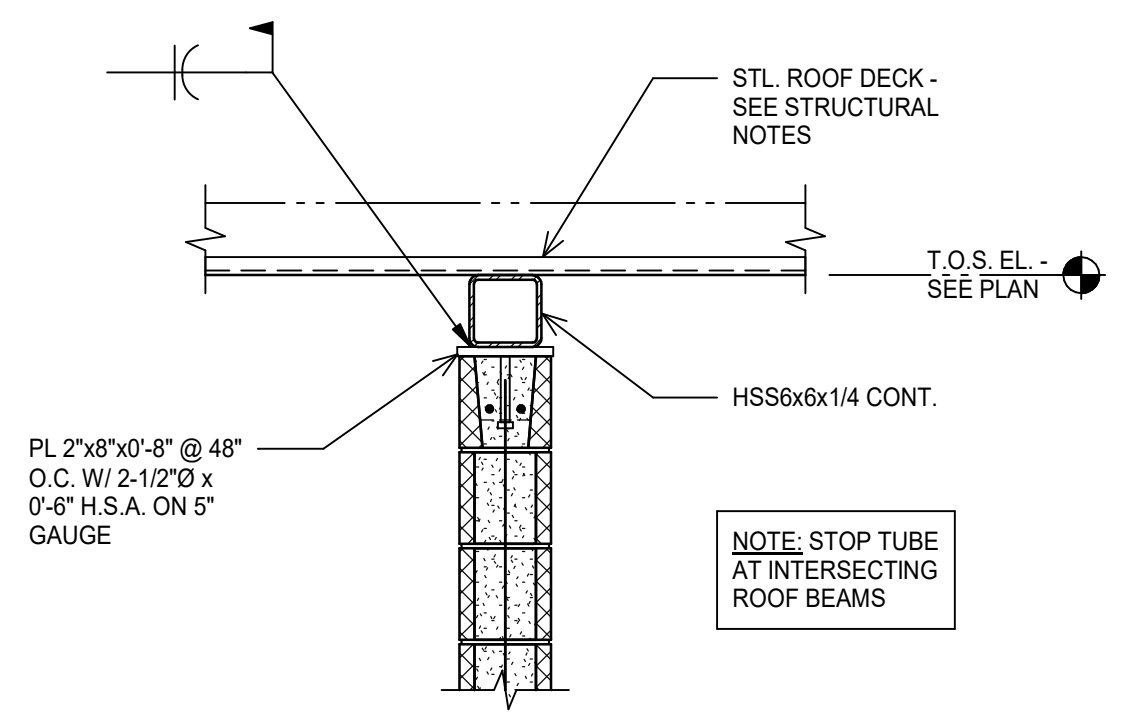
JQ ENGINEERING, LLP
608 WILD BAYN RD, SUITE 350
512-474-9884
PROJECT NO. 3200110

AUSTIN, TEXAS 78746
JQENG.COM
TIRE FIRM F-1294

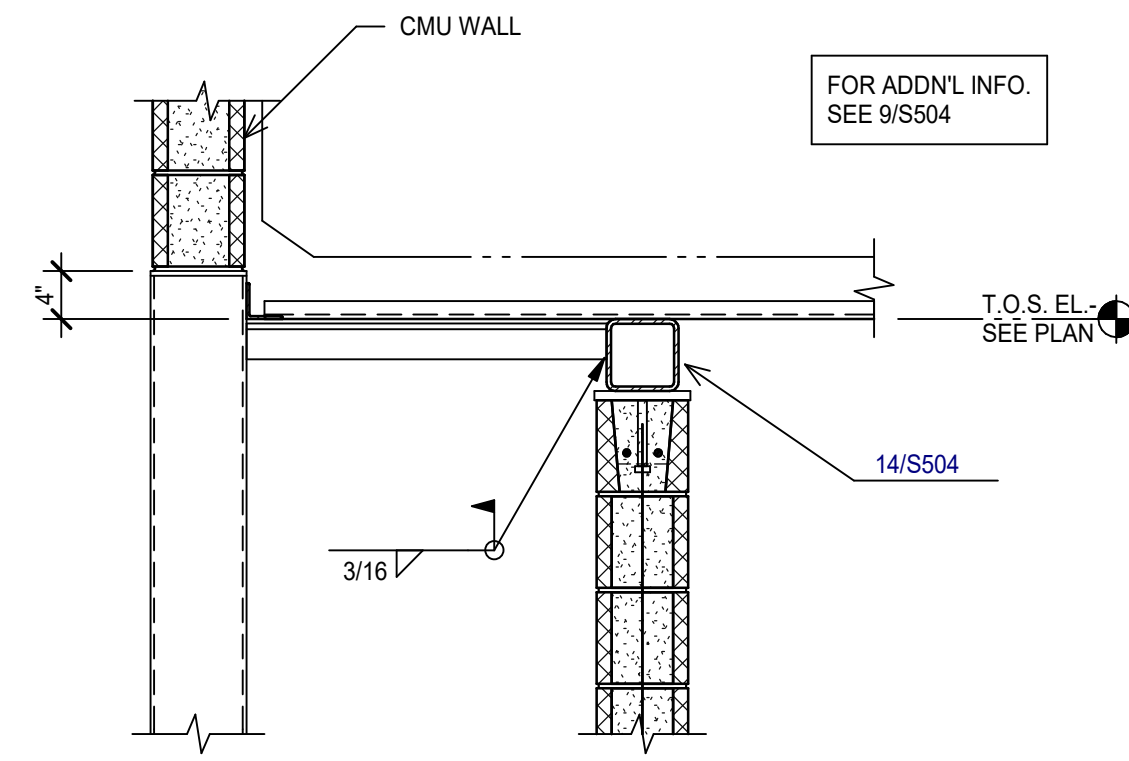
21913
07/13/2021

S306

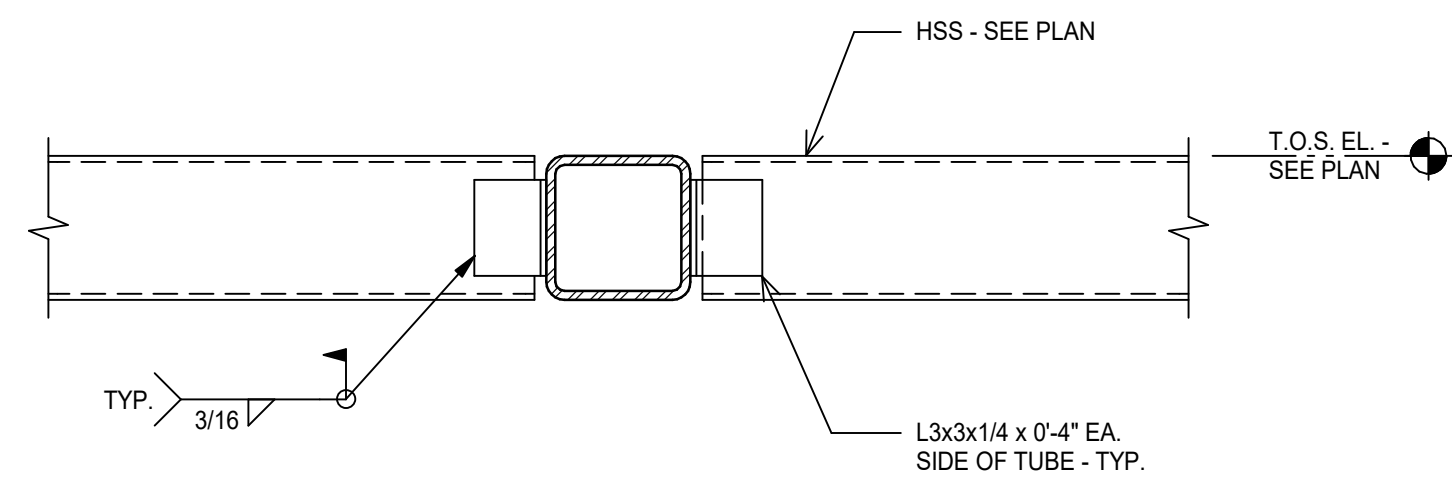
BID SET



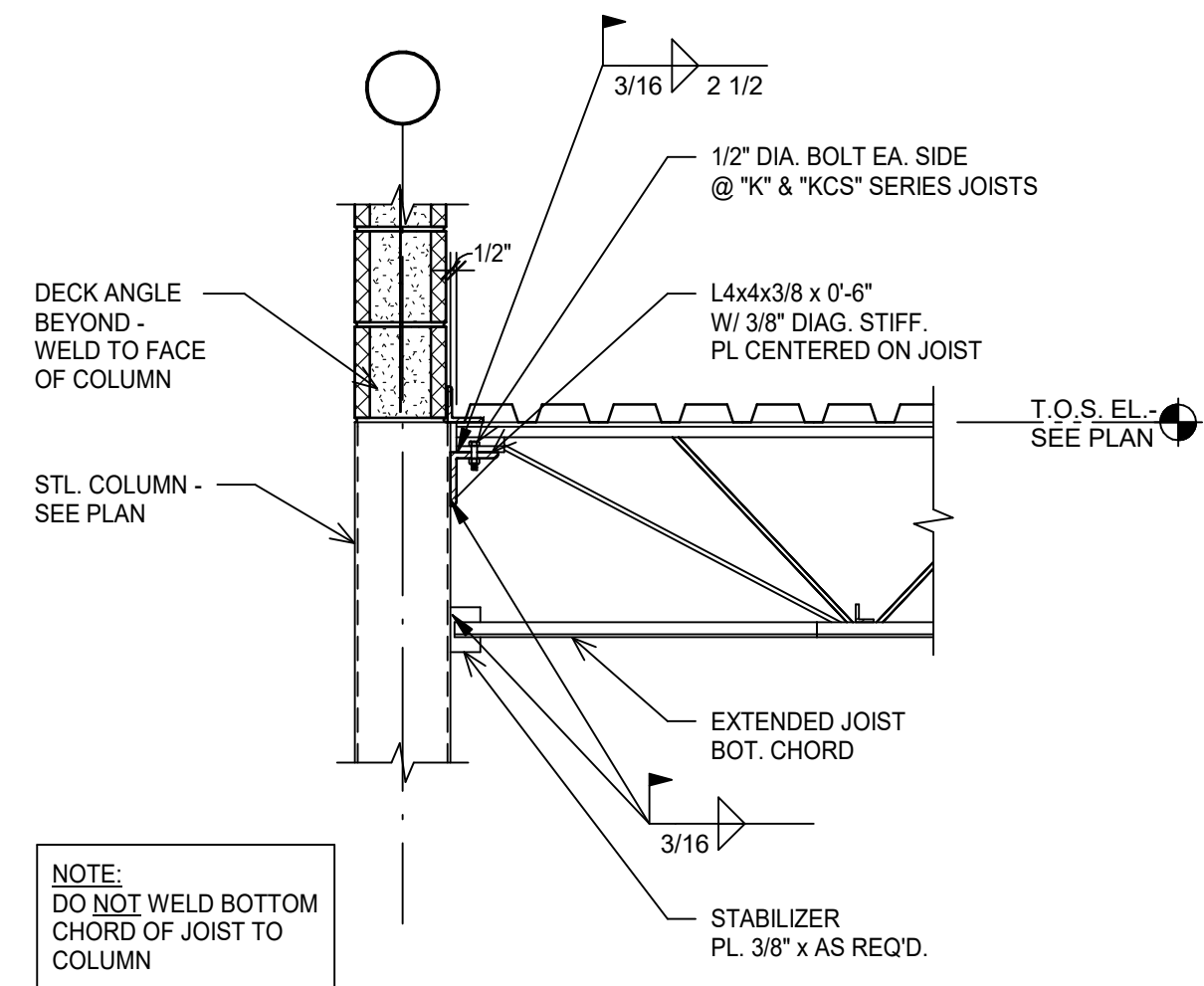
1 SECTION
SCALE: 3/4" = 1'-0"



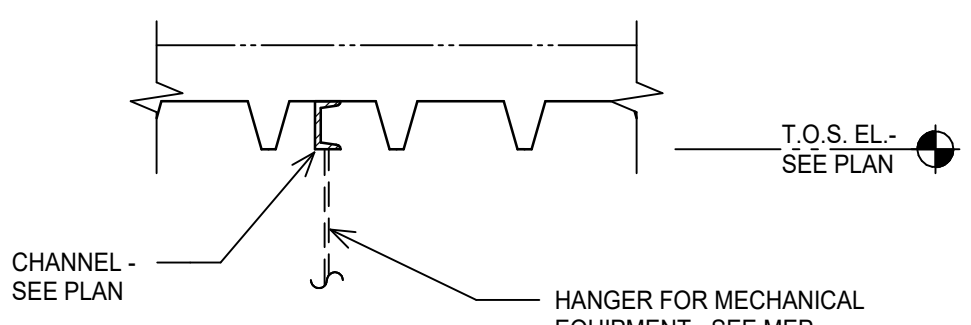
2 SECTION
SCALE: 3/4" = 1'-0"



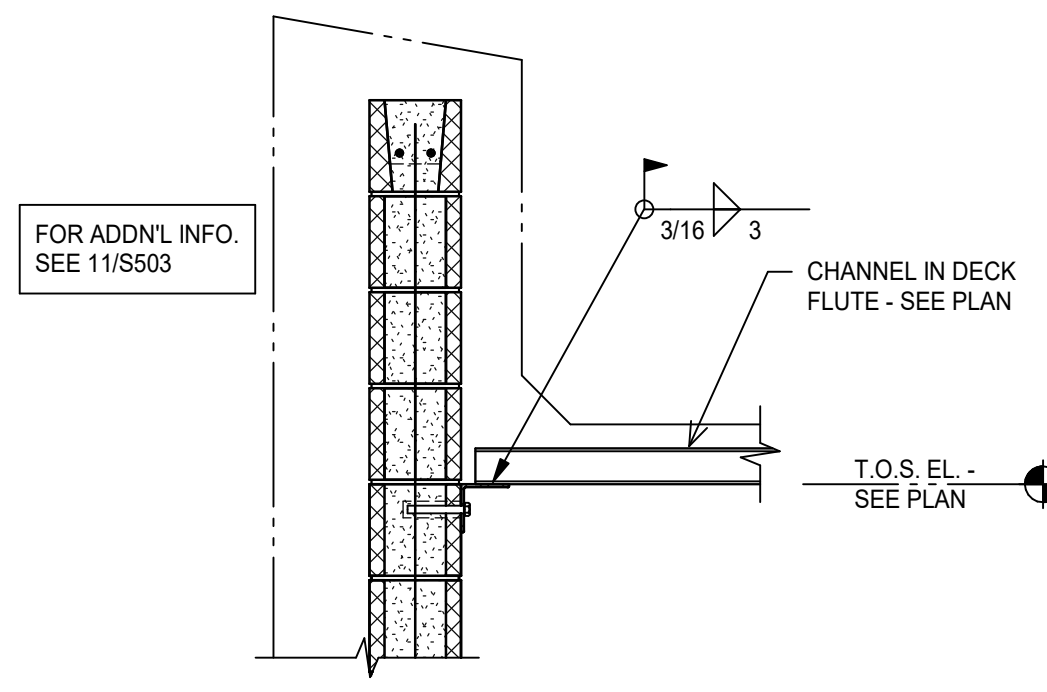
3 DETAIL
SCALE: 1 1/2" = 1'-0"



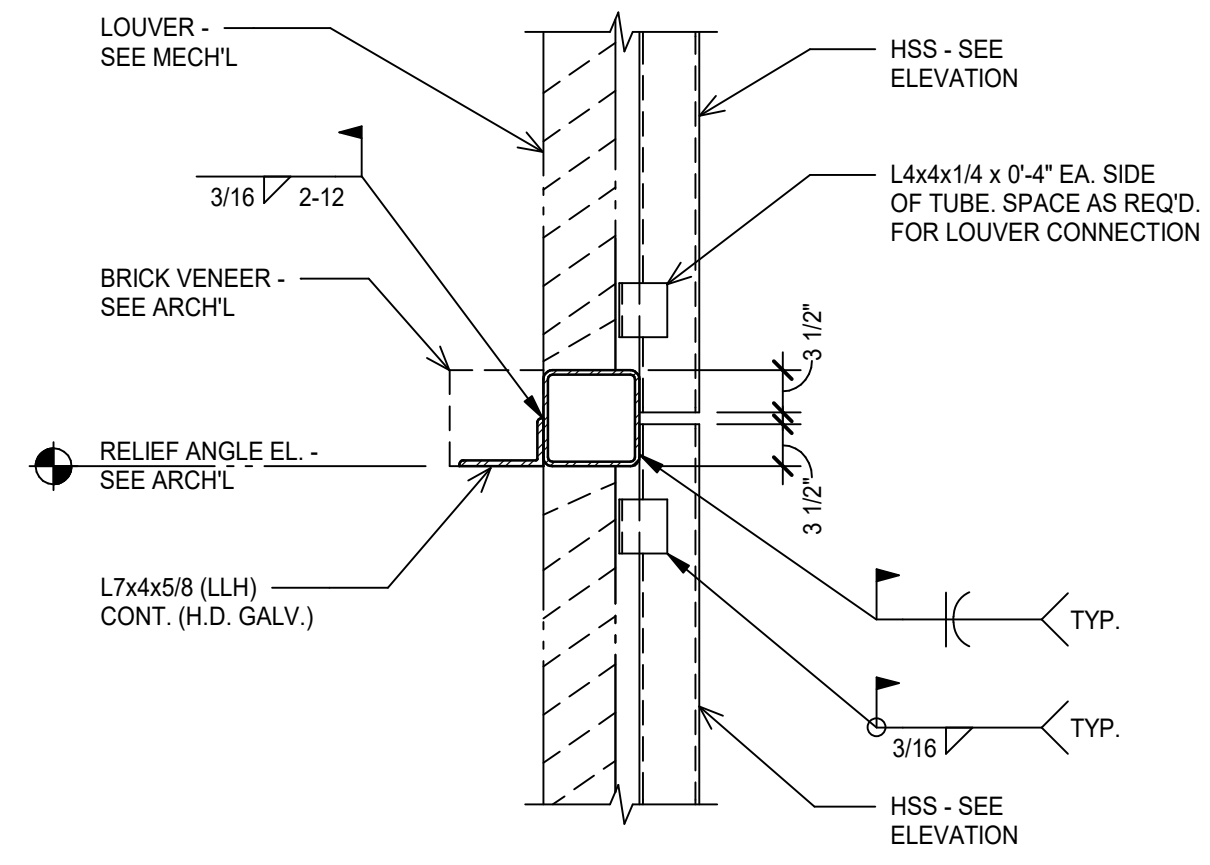
4 SECTION
SCALE: 3/4" = 1'-0"



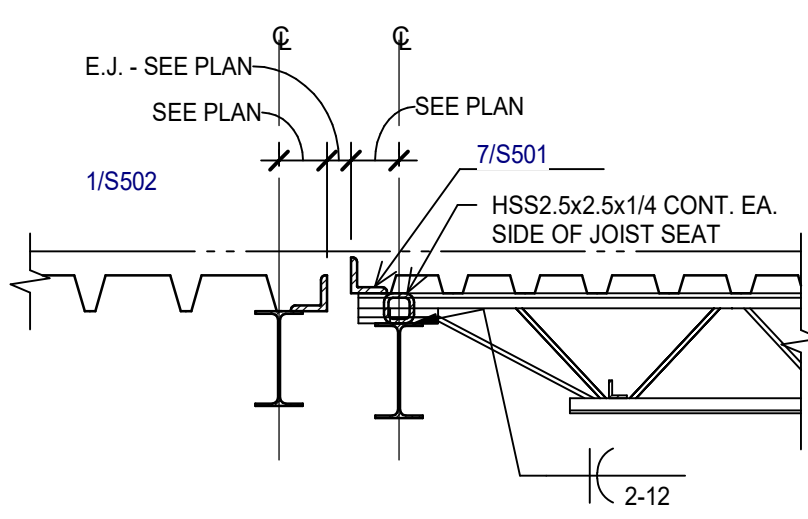
5 SECTION
SCALE: 1" = 1'-0"



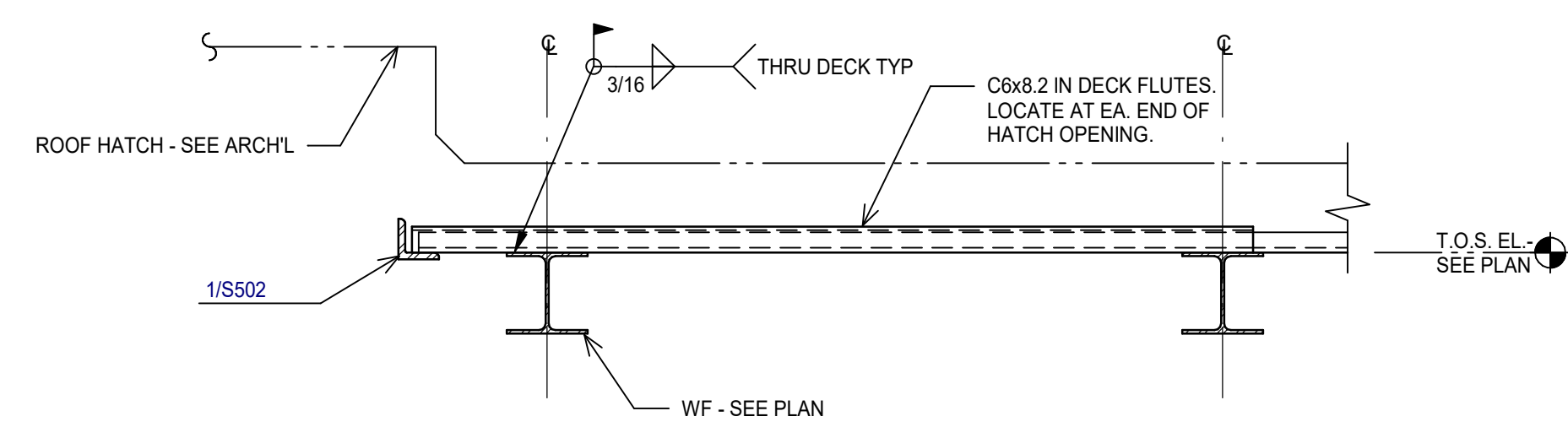
6 SECTION
SCALE: 3/4" = 1'-0"



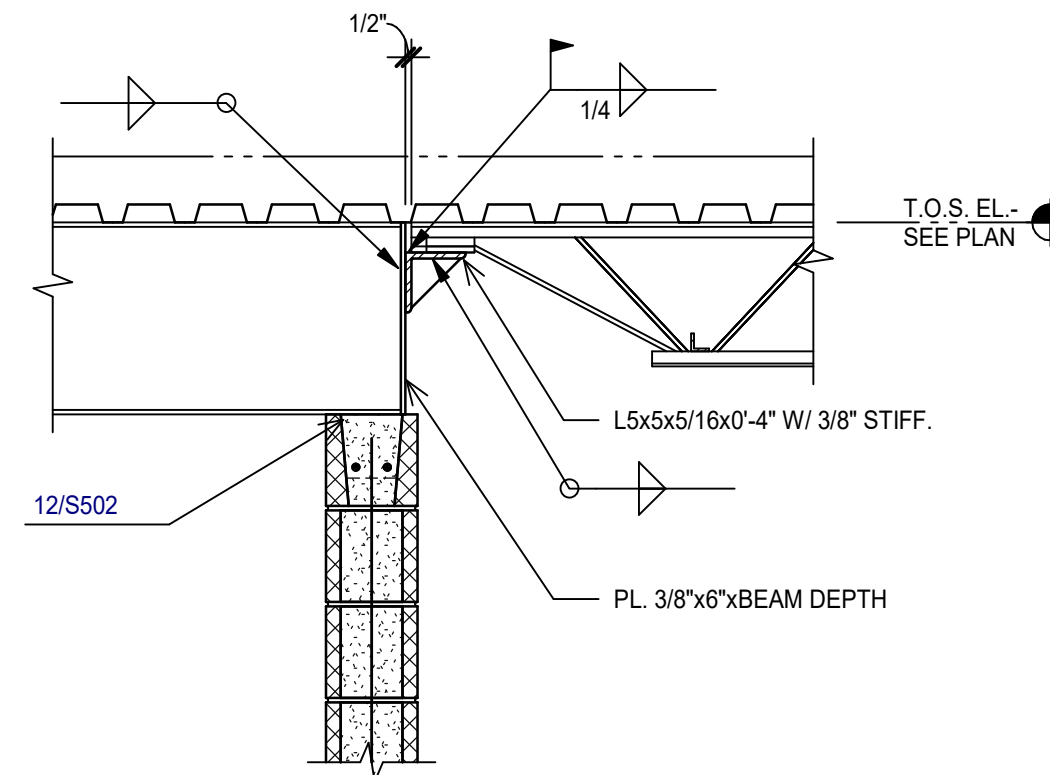
7 SECTION
SCALE: 3/4" = 1'-0"



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



9 DETAIL
SCALE: 1" = 1'-0"



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

COLLIN COUNTY ADF - PHASE 1 ADDITION

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BRINKLEY SARGENT WIGINTON ARCHITECTS

History		
#	Date	Description
1	8/18/2021	Addendum 2
2	01/31/2022	PR #1
		2



STEEL DETAILS

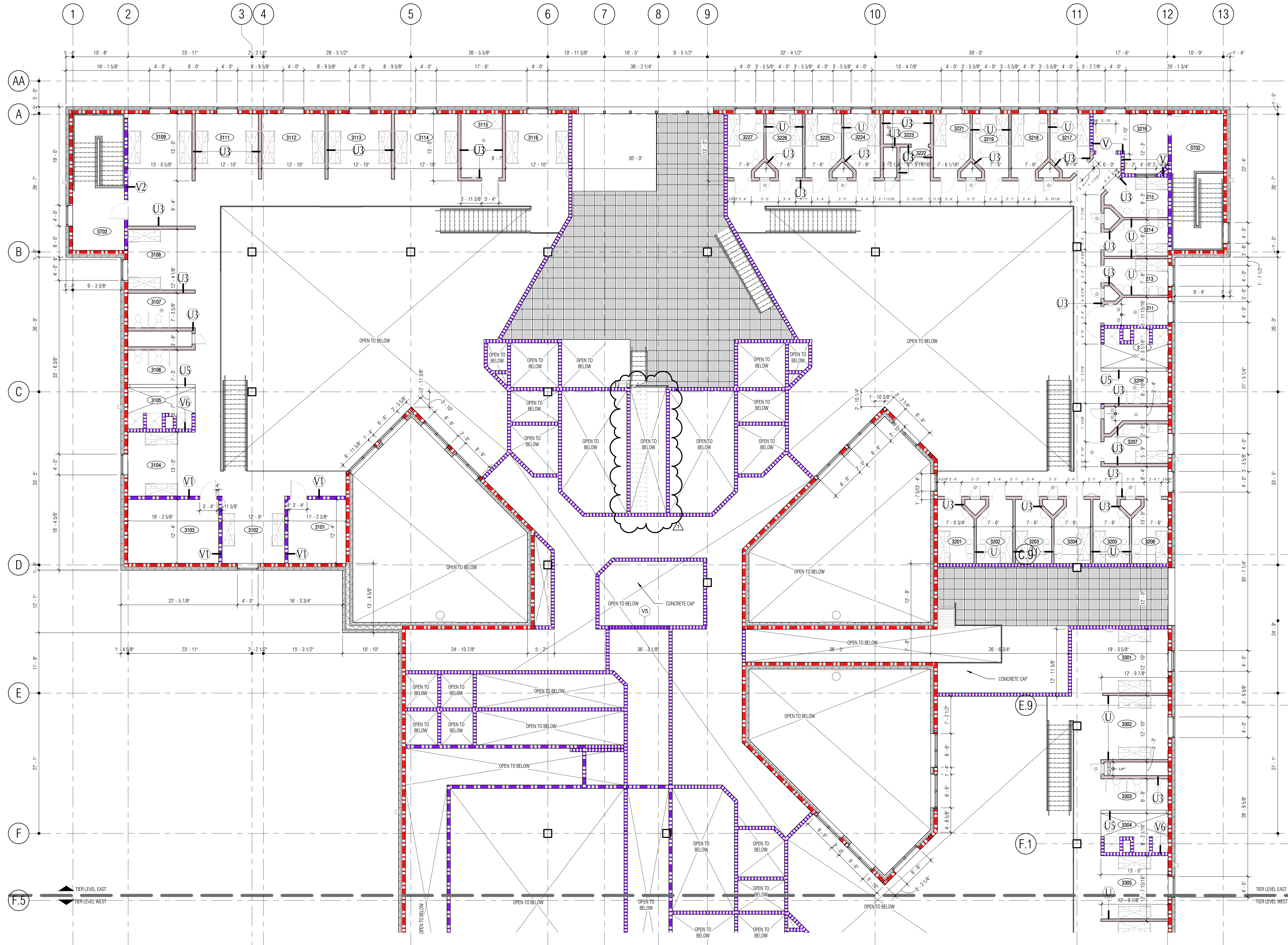
shaping the built environment

JQ ENGINEERING, LLP
608 WILD BAYN RD, SUITE 350
AUSTIN, TEXAS 78746
512-474-9094
PROJECT NO: 3200110

21913
07/13/2021

S505

BID SET



LEGEND

- STUD WALL (NOT TO DECK)
- CMU WALL (NOT TO DECK)
- WALL (TO DECK)
- 1-HOUR RATED WALL
- 2-HOUR RATED WALL
- 2-HOUR SECURE PERIMETER A (TO DECK)
- SECURE PERIMETER A (TO DECK)
- SECURE PERIMETER B (TO DECK)
- SECURE PERIMETER B (NOT TO DECK)

SHEET NOTES:

- STUD WALL DIMENSIONS ARE FACE OF STUD UNLESS NOTED OTHERWISE.
- CMU WALL DIMENSIONS ARE FACE OF CMU UNLESS NOTED OTHERWISE.
- PER SPECIFICATION 09 29 00 Gypsum Board, USE TILE BACKER BOARD IN LIEU OF GYP AT LOCATIONS WHERE TILE IS CALLED OUT AS A WALL FINISH. REFERENCE FINISH SCHEDULE AND FINISH PLAN.
- GRIND RADIUS PROFILE AT ALL CMU OUTSIDE CORNERS.
- REFERENCE 14 07 00 FORM PARTITION TYPES.
- REFERENCE INTERIOR ELEVATIONS AND FINISH PLANS FOR LOCATIONS THAT MAY REQUIRE BACKER BOARD OR APPLIED FINISHES.
- REFERENCE ENLARGED PLANS FOR ADDITIONAL DIMENSIONS, TAGS AND NOTES.

- PLAN KEYNOTES**
- ALIGN FACE OF WALL TO FACE OF WALL.
 - KV STANDARDS AND BRACKETS WITH SHELVES.
 - CONCRETE WHEEL STOP.
 - PAINTED PARKING LINE.
 - CONCRETE FILLED STEEL POLE BOLLARD, PAINTED.
 - 1 1/2" HIGH CONCRETE CHANGING BENCH, REF FINISH DETAILS.
 - 2" EXPANSION JOINT.
 - INTUMESCENT PAINT AT STRUCTURALLY EXPOSED STEEL, TYP.
 - LOCKER FILLER END PANEL.
 - WICHOWIE SALLY PORT DOOR ACCESS CONTROL.
 - LOCKERS, ENSURE 5% MIN. COMPLI WITH TAG SECTION 811.
 - FLUSH VALVE CONTROL BOX, COORDINATE EXACT LOCATION WITH OWNER AND ARCHITECT.
 - HOUSE BR. COORDINATE EXACT LOCATION WITH OWNER AND ARCHITECT.

COLLIN COUNTY ADF - PHASE 1 ADDITION

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BRINKLEY SARGENT WIGINTON ARCHITECTS

1 TIER LEVEL EAST - WALL TAGS, DIMS
SCALE: 1/8" = 1'-0"

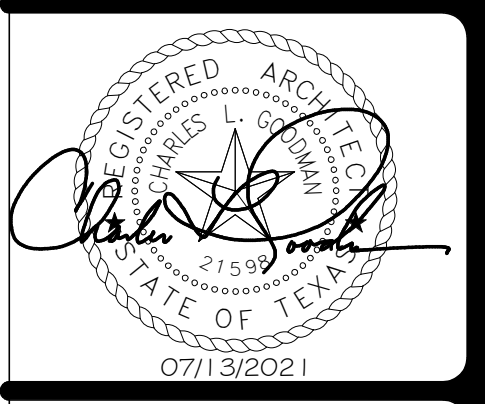
NUMBER	ROOM NAME
3101	STORAGE
3102	DORMITORY
3103	STORAGE
3104	DORMITORY
3105	SHOWERS/CHANGING
3106	INMATE RESTROOM
3107	INMATE RESTROOM
3108	DORMITORY
3109	DORMITORY
3111	DORMITORY
3112	DORMITORY
3113	DORMITORY

NUMBER	ROOM NAME
3114	DORMITORY
3115	JAN
3116	DORMITORY
3201	DBL OCC CELL
3202	DBL OCC CELL
3203	DBL OCC CELL
3204	DBL OCC CELL
3205	DBL OCC CELL
3206	DBL OCC CELL
3207	DBL OCC CELL
3208	INMATE TOILET
3209	INMATE SHOWERS

NUMBER	ROOM NAME
3211	JAN
3213	DBL OCC CELL
3214	DBL OCC CELL
3215	DBL OCC CELL
3216	SAFETY VESTIBULE
3217	DBL OCC CELL
3218	DBL OCC CELL
3219	DBL OCC CELL
3221	DBL OCC CELL
3222	INMATE TOILET
3223	STORAGE
3224	DBL OCC CELL

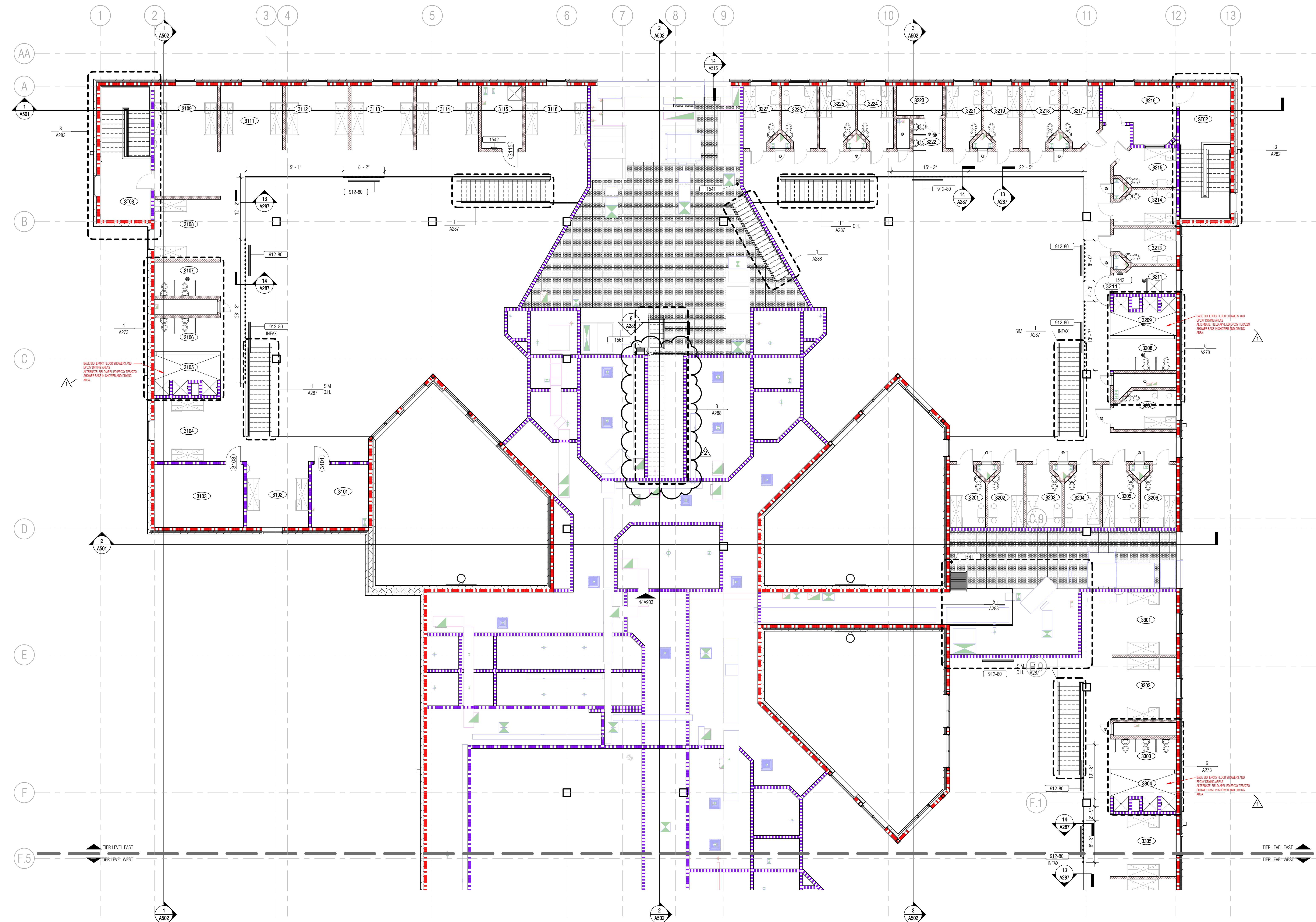
NUMBER	ROOM NAME
3225	DBL OCC CELL
3226	DBL OCC CELL
3227	DBL OCC CELL
3301	DORMITORY
3302	DORMITORY
3303	INMATE TOILET
3304	INMATE SHOWER
3305	HC DORMITORY
3306	DORMITORY
3307	J/O
3308	STORAGE

HISTORY		
#	DATE	DESCRIPTION
1	1/31/2022	PR # 1



TIER LEVEL EAST - FLOOR PLAN - WALL TAGS, DIMENSIONS

FOR BID



1 TIER LEVEL EAST - EQUIPMENT, INTERIOR ELEV.
SCALE: 1/8" = 1'-0"

ROOM SCHEDULE (TIER LEVEL)		ROOM SCHEDULE (TIER LEVEL)		ROOM SCHEDULE (TIER LEVEL)		ROOM SCHEDULE (TIER LEVEL)	
NUMBER	ROOM NAME	NUMBER	ROOM NAME	NUMBER	ROOM NAME	NUMBER	ROOM NAME
3101	STORAGE	3114	DORMITORY	3211	JAN.	3225	DBL OCC. CELL
3102	DORMITORY	3115	JAN.	3213	DBL OCC. CELL	3226	DBL OCC. CELL
3103	STORAGE	3116	DORMITORY	3214	DBL OCC. CELL	3227	DBL OCC. CELL
3104	DORMITORY	3201	DBL OCC. CELL	3215	DBL OCC. CELL	3301	DORMITORY
3105	SHOWERY/CHANGING	3202	DBL OCC. CELL	3216	SAFETY VESTIBULE	3302	DORMITORY
3106	INMATE RESTROOM	3203	DBL OCC. CELL	3217	DBL OCC. CELL	3303	INMATE TOILET
3107	INMATE RESTROOM	3204	DBL OCC. CELL	3218	DBL OCC. CELL	3304	INMATE SHOWER
3108	DORMITORY	3205	DBL OCC. CELL	3219	DBL OCC. CELL	3305	HC DORMITORY
3109	DORMITORY	3206	DBL OCC. CELL	3221	DBL OCC. CELL	3306	DORMITORY
3111	DORMITORY	3207	DBL OCC. CELL	3222	INMATE TOILET	3307	J.C.
3112	DORMITORY	3208	INMATE SHOWERS	3223	STORAGE	3308	STORAGE
3113	DORMITORY	3209	INMATE SHOWERS	3224	DBL OCC. CELL		

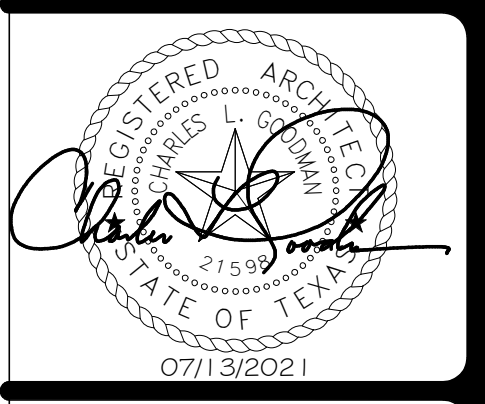
EQUIPMENT PLAN NOTES
FOR EQUIPMENT SCHEDULE SEE SHEET A21

GUARD RAIL TYPE LEGEND
 - - - - - TYPICAL RAILING
 - - - - - PERFORATED PANEL

COLLIN COUNTY ADF - PHASE 1 ADDITION

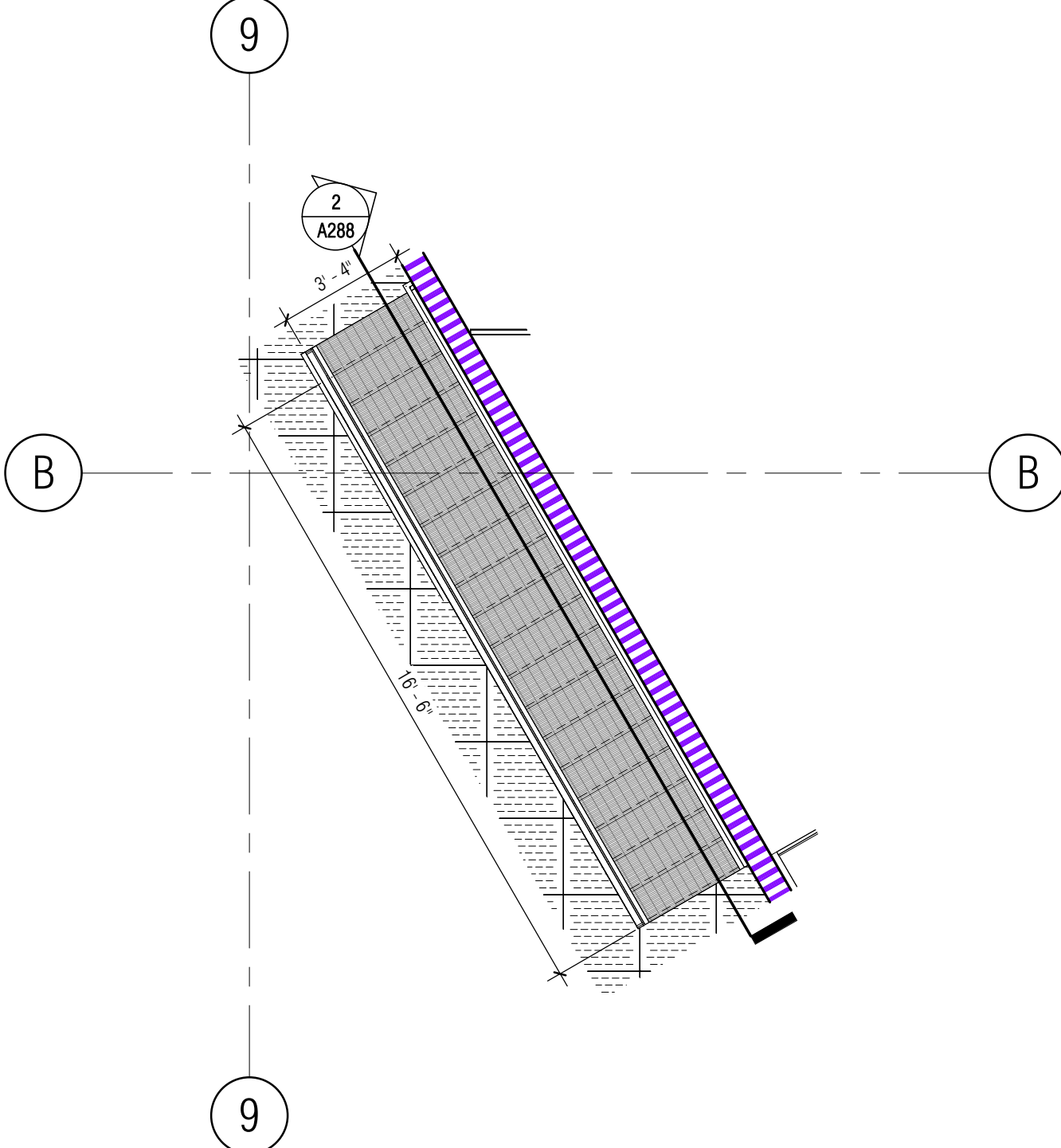
4300 COMMUNITY AVE, MCKINNEY, TX 75071

#	DATE	DESCRIPTION
1	08/20/2021	ADDENDUM # 3
2	1/31/2022	PR # 1

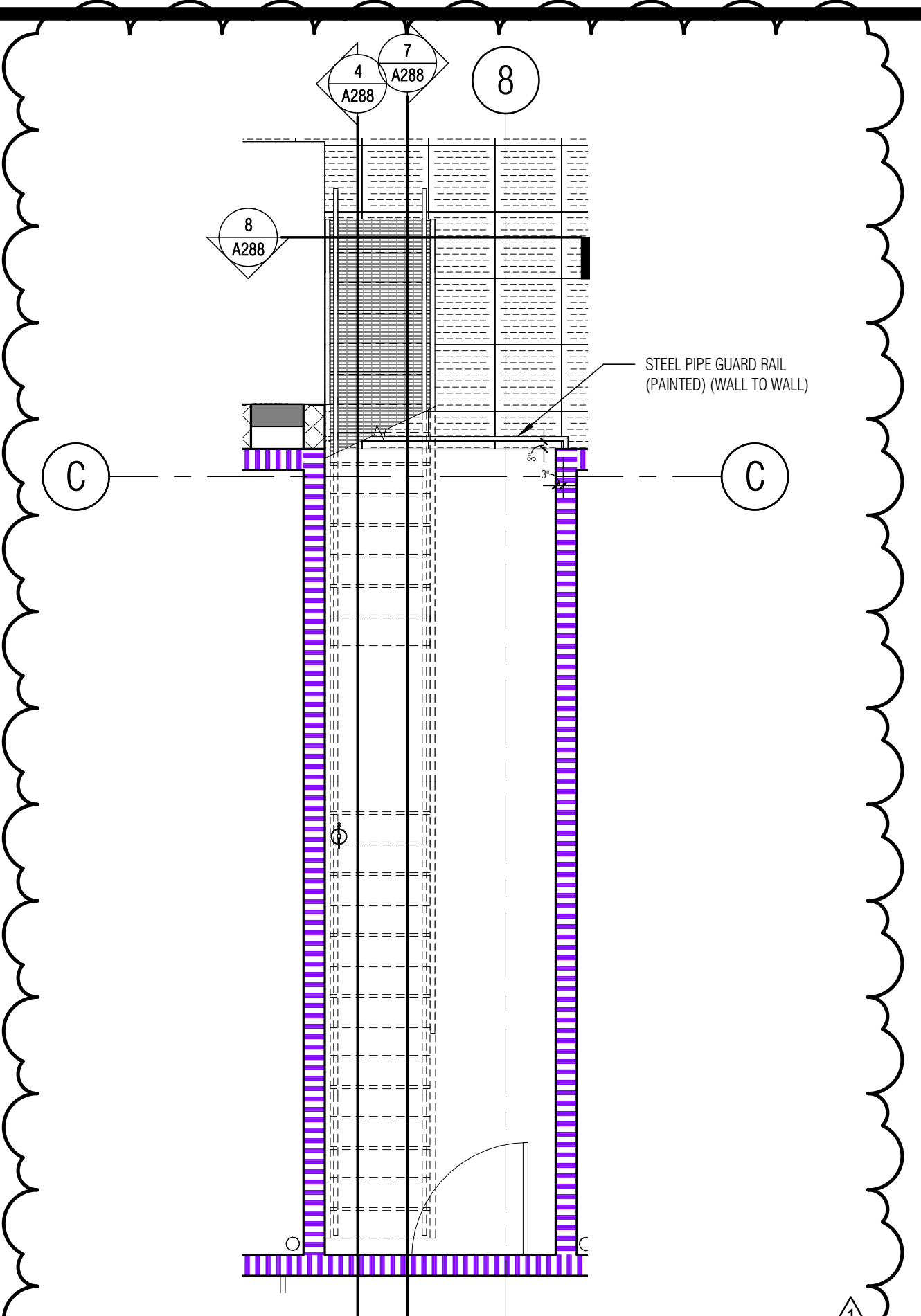


TIER LEVEL EAST -
FLOOR PLAN -
EQUIPMENT,
INTERIOR
ELEVATIONS

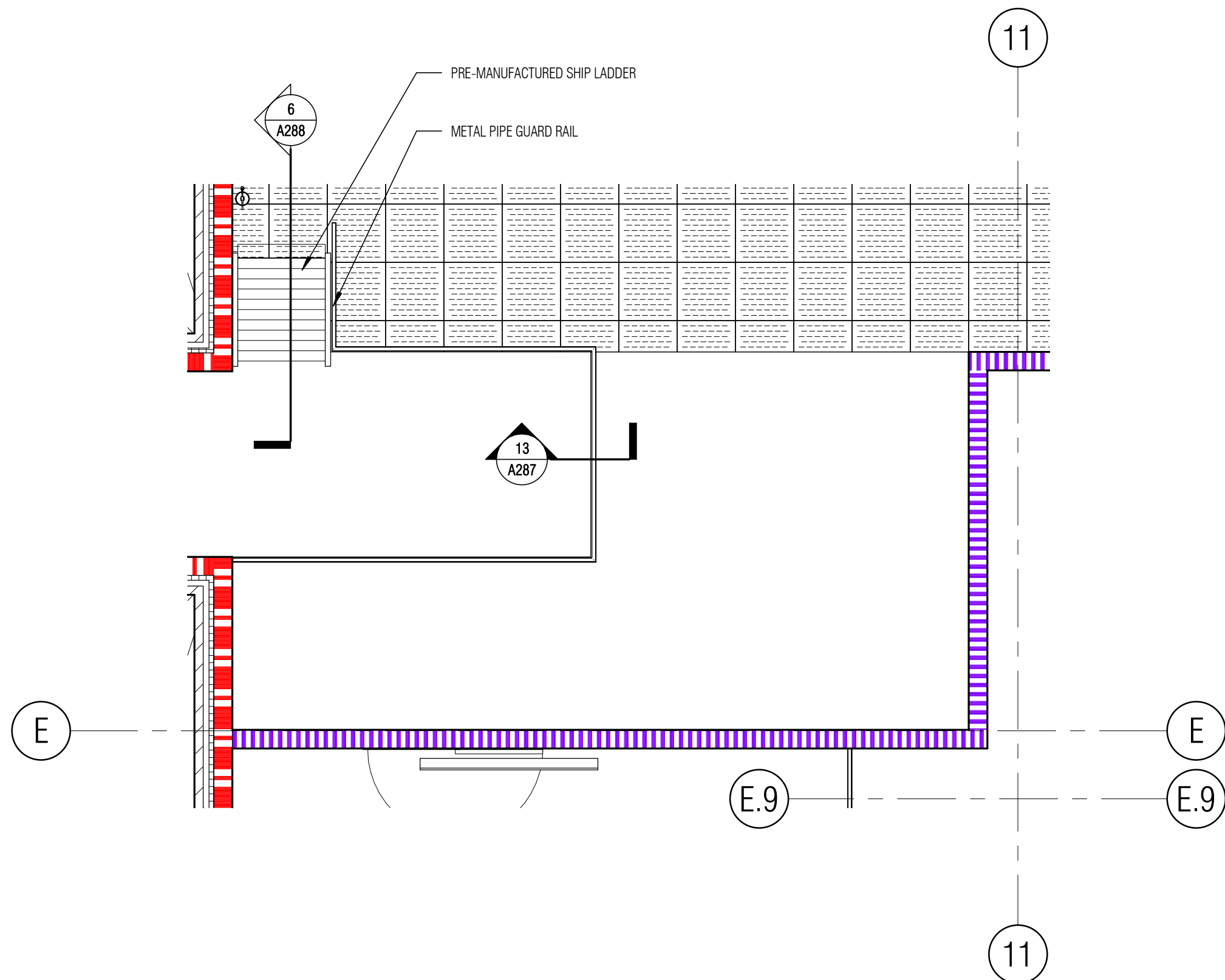
Architect: Brinkley Sargent Wiginton Architects (972) 960-9970
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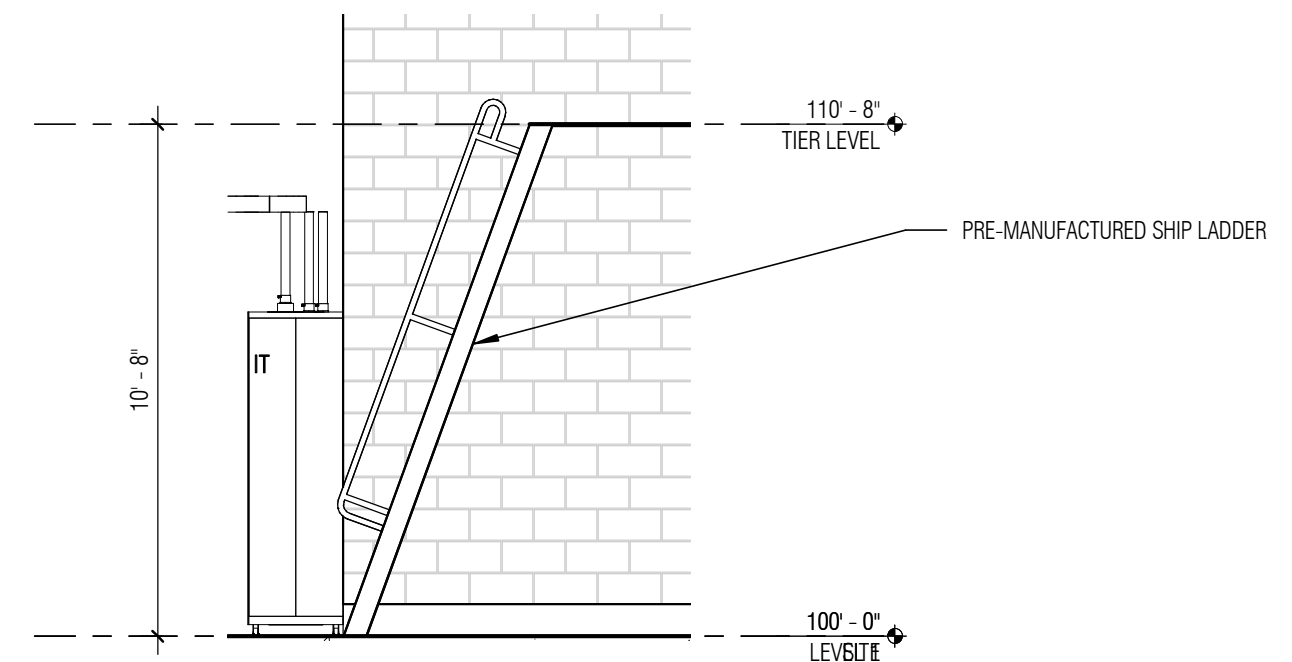
1 STAIR PLAN TIER LEVEL STAIR 11
SCALE: 1/4" = 1'-0"



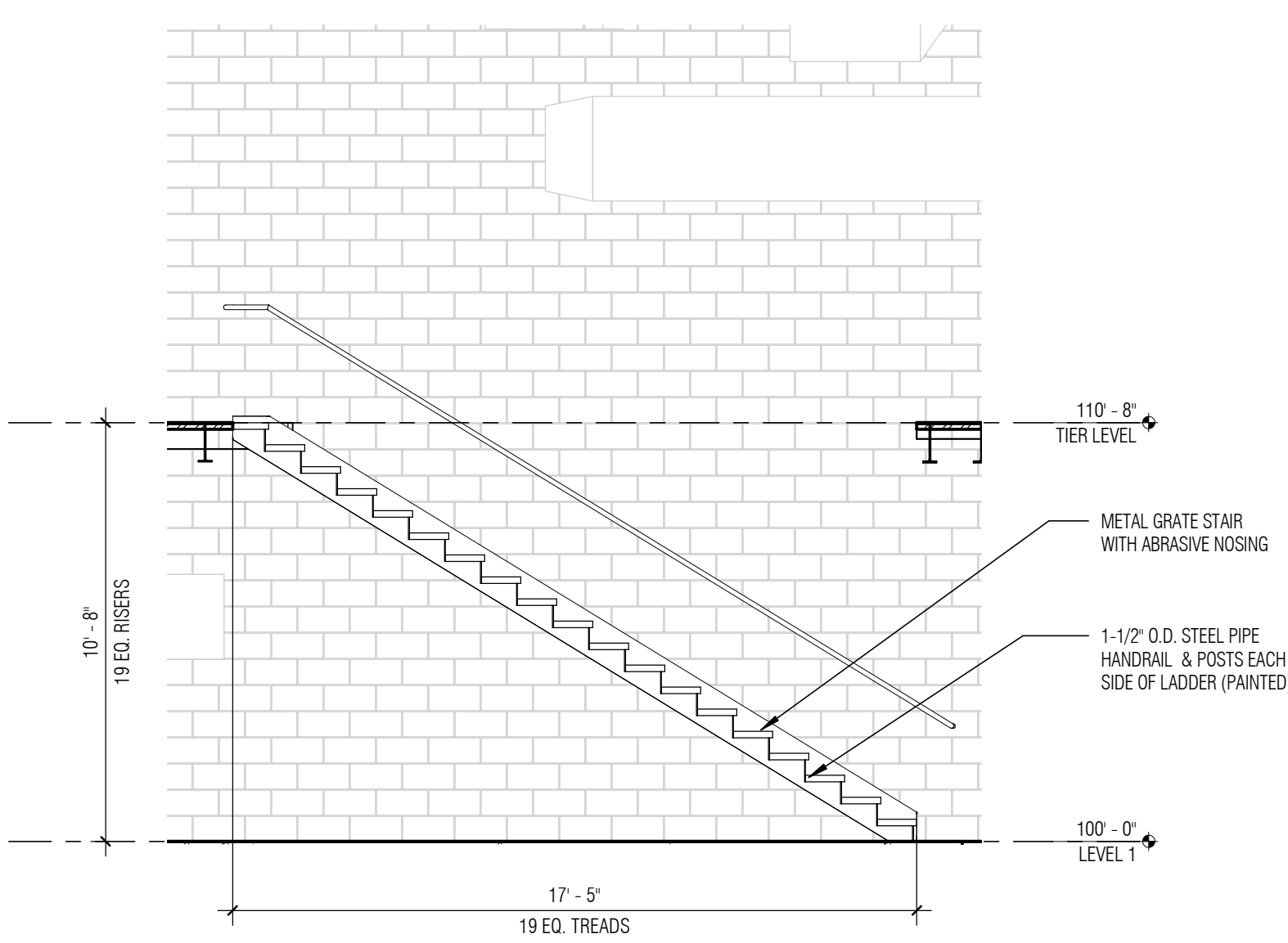
3 STAIR PLAN TIER TO ROOF STAIR 12
SCALE: 1/4" = 1'-0"



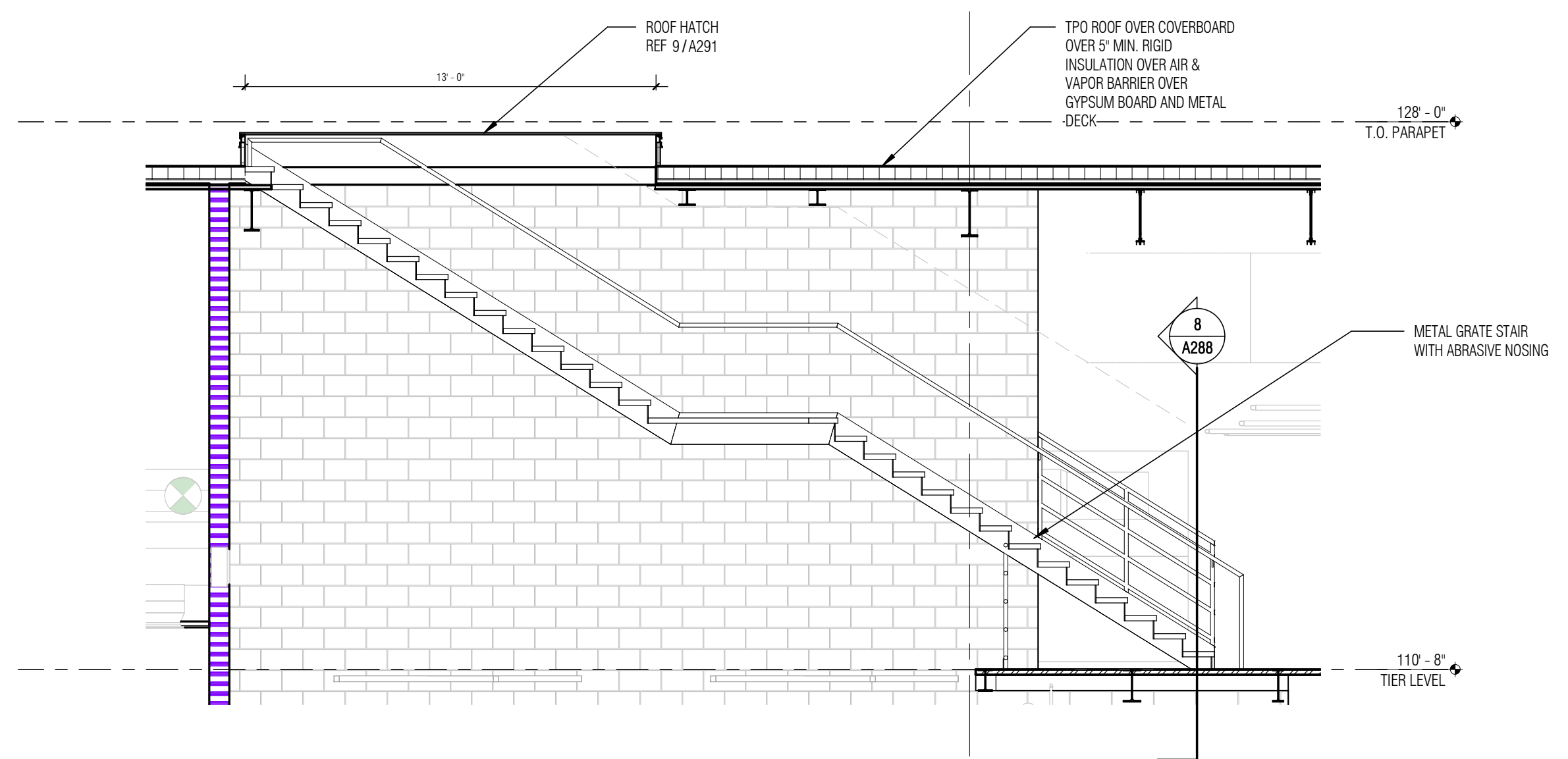
5 STAIR PLAN TIER LEVEL STAIR 13
SCALE: 1/4" = 1'-0"



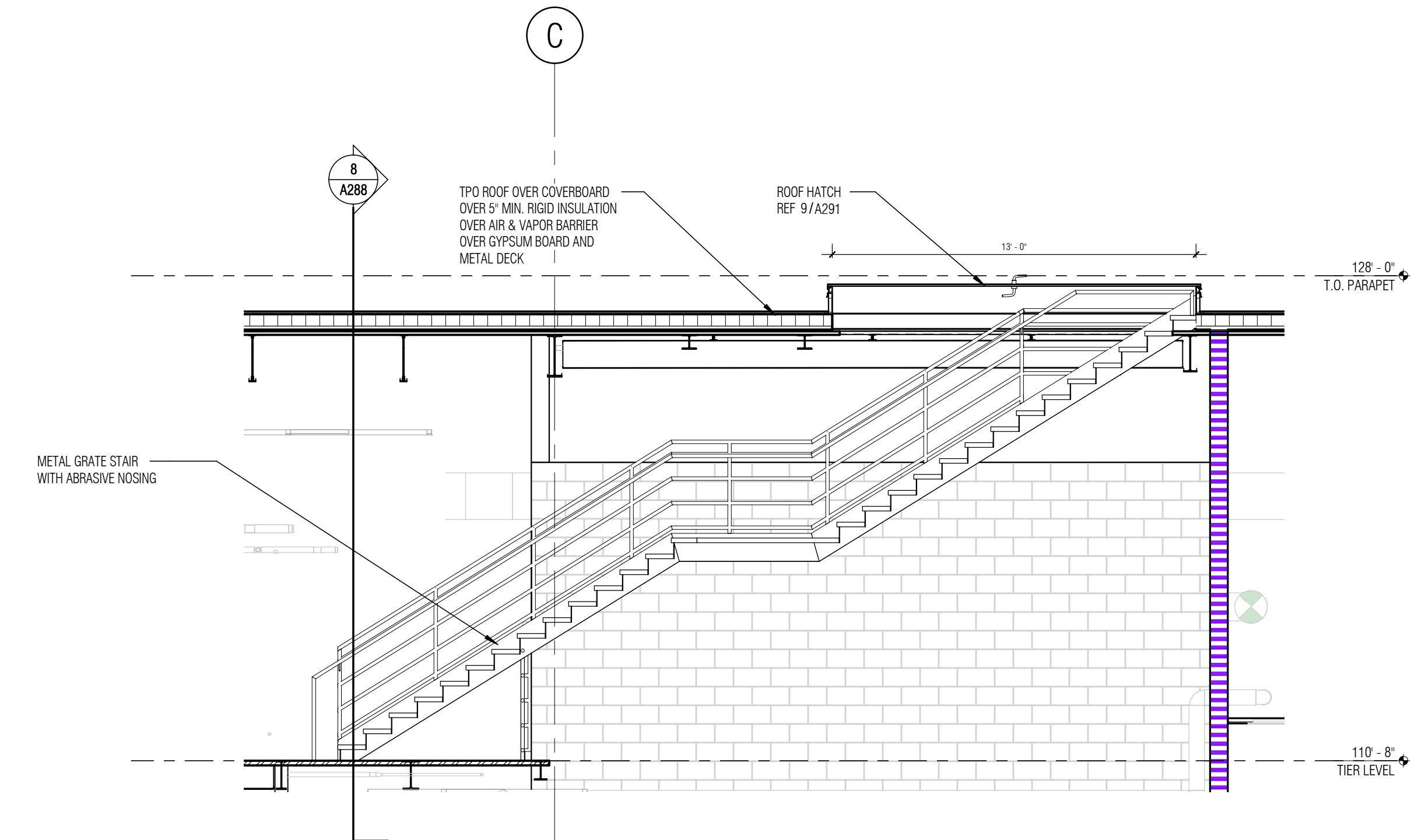
6 STAIR PLAN TIER LEVEL STAIR 13
SCALE: 1/4" = 1'-0"



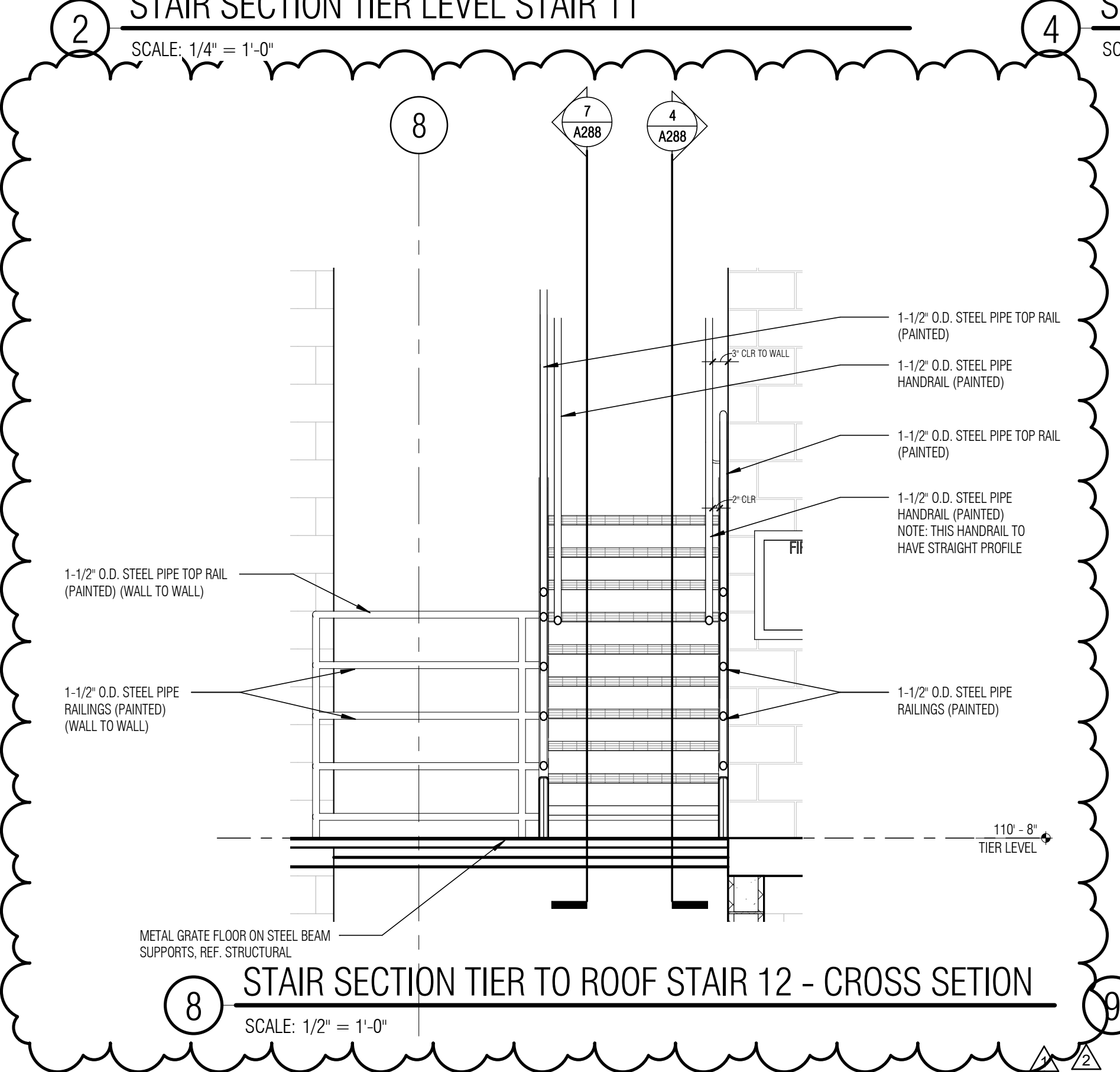
2 STAIR SECTION TIER LEVEL STAIR 11
SCALE: 1/4" = 1'-0"



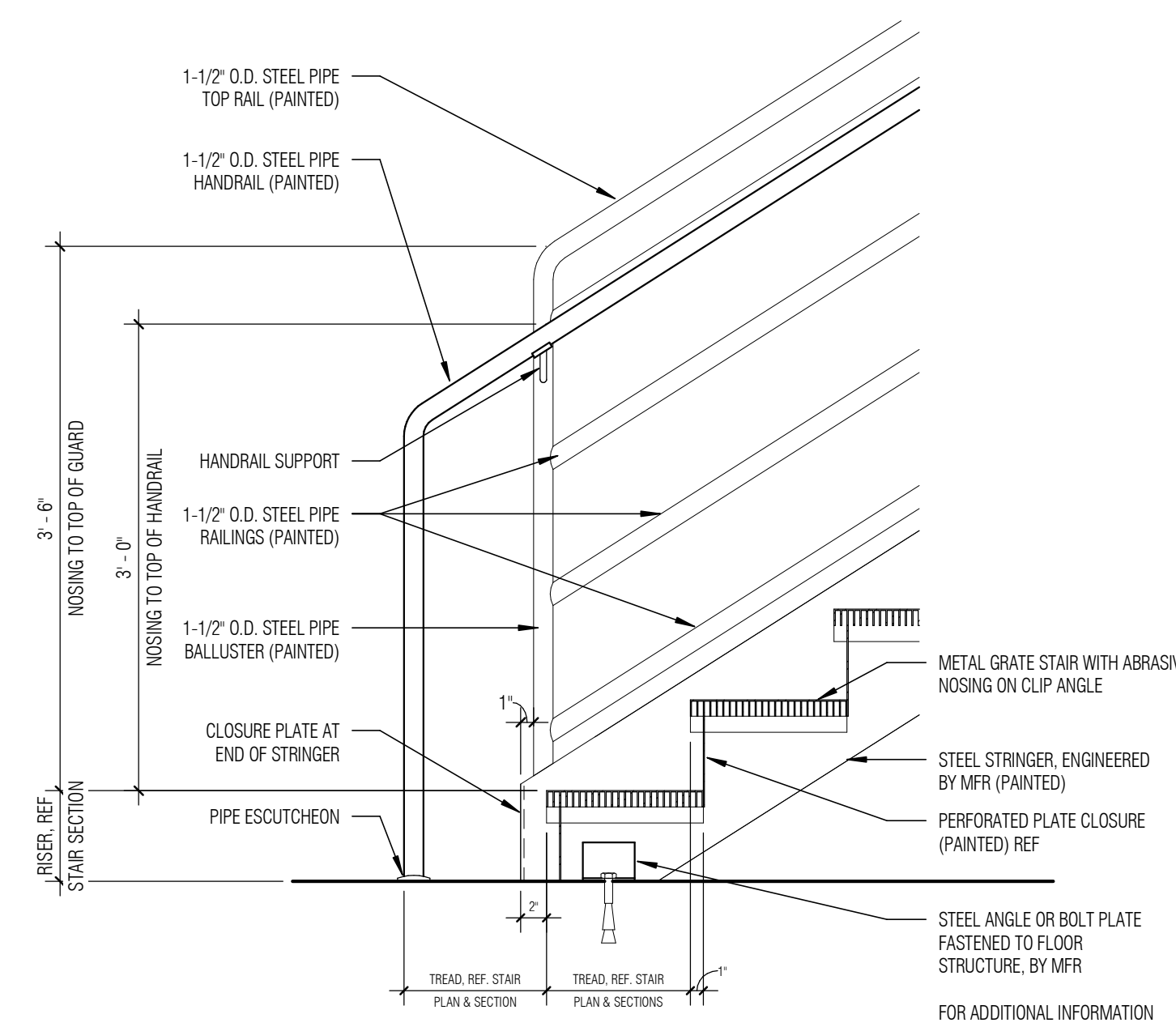
4 STAIR SECTION TIER TO ROOF STAIR 12
SCALE: 1/4" = 1'-0"



7 STAIR SECTION TIER TO ROOF STAIR 12.
SCALE: 1/4" = 1'-0"



8 STAIR SECTION TIER TO ROOF STAIR 12 - CROSS SECTION
SCALE: 1/2" = 1'-0"



9 STAIR 12 BASE DETAIL
SCALE: 1" = 1'-0"

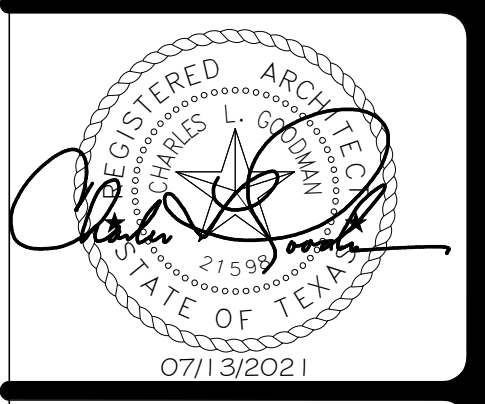
COLLIN COUNTY ADF - PHASE 1 ADDITION

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BRINKLEY SARGENT WIGINTON ARCHITECTS

HISTORY		
#	DATE	DESCRIPTION
1	08/23/2021	ADDENDUM # 3
2	1/31/2022	PR # 1



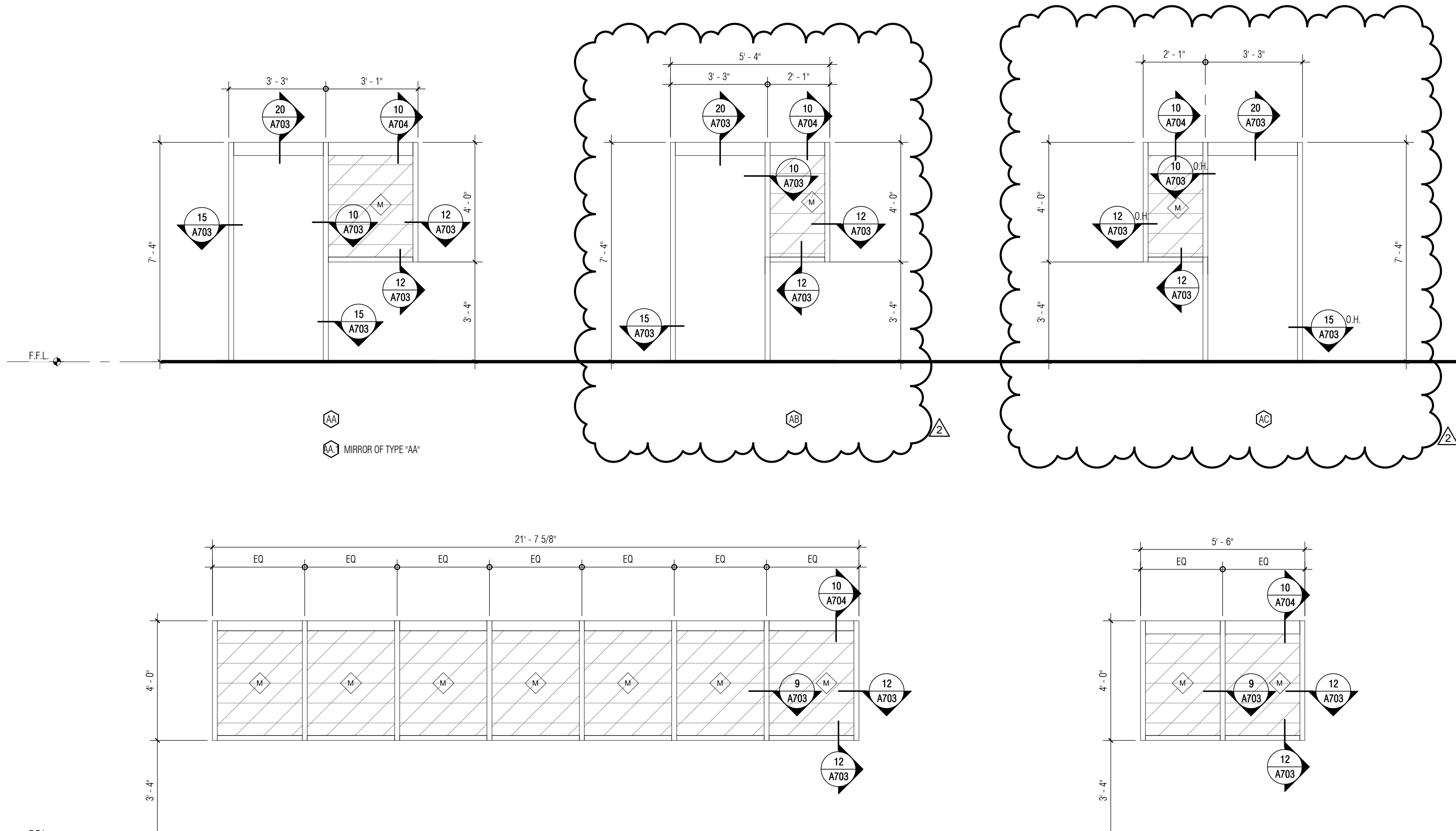
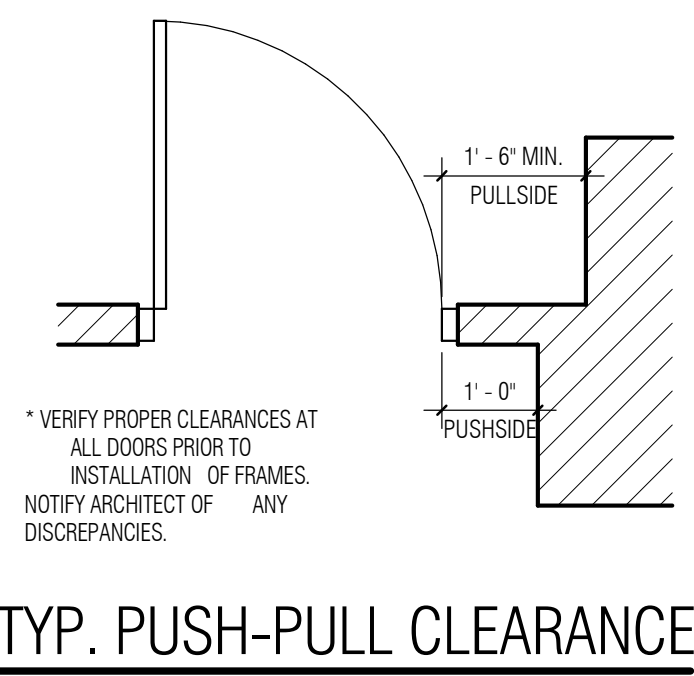
MECHANICAL STAIR
PLANS, SECTIONS,
DETAILS

FOR BID

DOOR SCHEDULE table with columns: REV NO., #, DOOR SIZE (WIDTH, HEIGHT), TYPE MARK, MAT., FRAME MATERIAL, HEAD, JAMB, SILL, FIRE RATING, HARDWARE SETS, REMARKS. Contains 138 items.

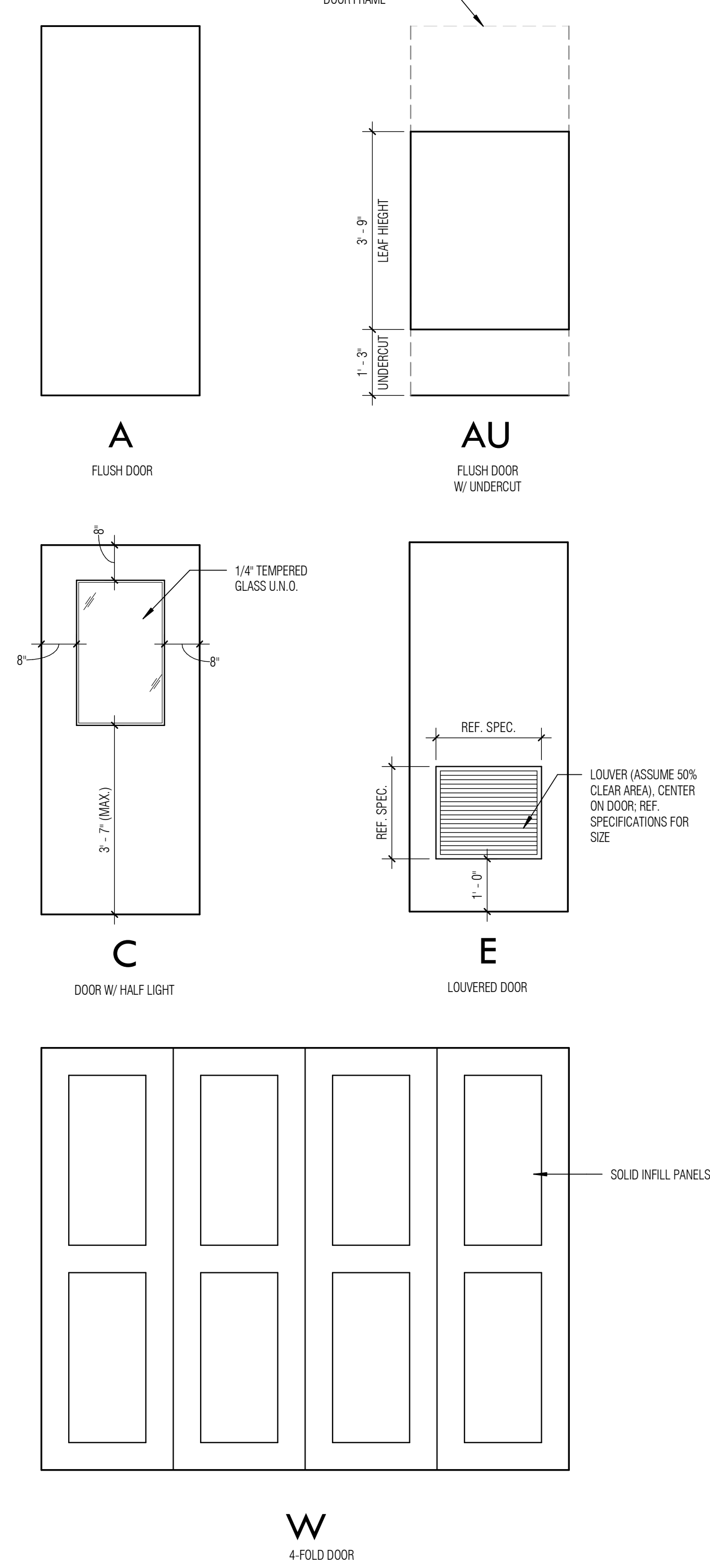
DOOR SCHEDULE table (continued) with columns: REV NO., #, DOOR SIZE (WIDTH, HEIGHT), TYPE MARK, MAT., FRAME MATERIAL, HEAD, JAMB, SILL, FIRE RATING, HARDWARE SETS, REMARKS. Contains 138 items.

DOOR SCHEDULE LEGEND table with columns: ABBREVIATIONS (ALUM, ALGL, DHM, FRP, HMTL, STL, WDLG), REMARKS (CR, CK, B, BK, MK, 1200G, 240G, JIC, PP), OVERHEAD DOOR REMARKS (SECTIONAL AND COILING), SECTIONAL OVERHEAD DOOR REMARKS, ADDITIONAL REMARKS (1, 2, 3, 4, 5, 6, 7, 8, 9, 10), GENERAL DOOR SCHEDULE NOTE, DOOR HARDWARE NOTE.



GLAZING SCHEDULE (INTERIOR) table with columns: NO., TYPE. Includes items like CLEAR, FROSTED, 3/8\"/>

SHEET NOTES: 1. ALL INTERIOR GLAZING TYPE 'W' UNLESS NOTED OTHERWISE.



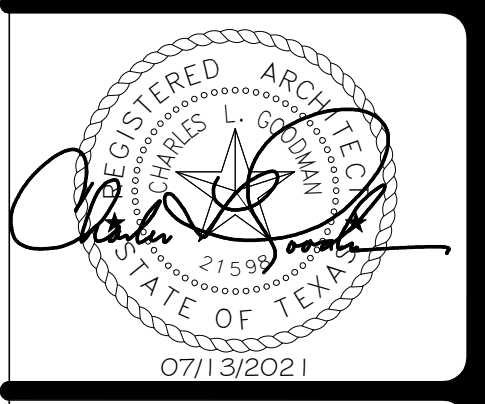
HOLLOW METAL FRAME TYPES

COLLIN COUNTY ADF - PHASE 1 ADDITION

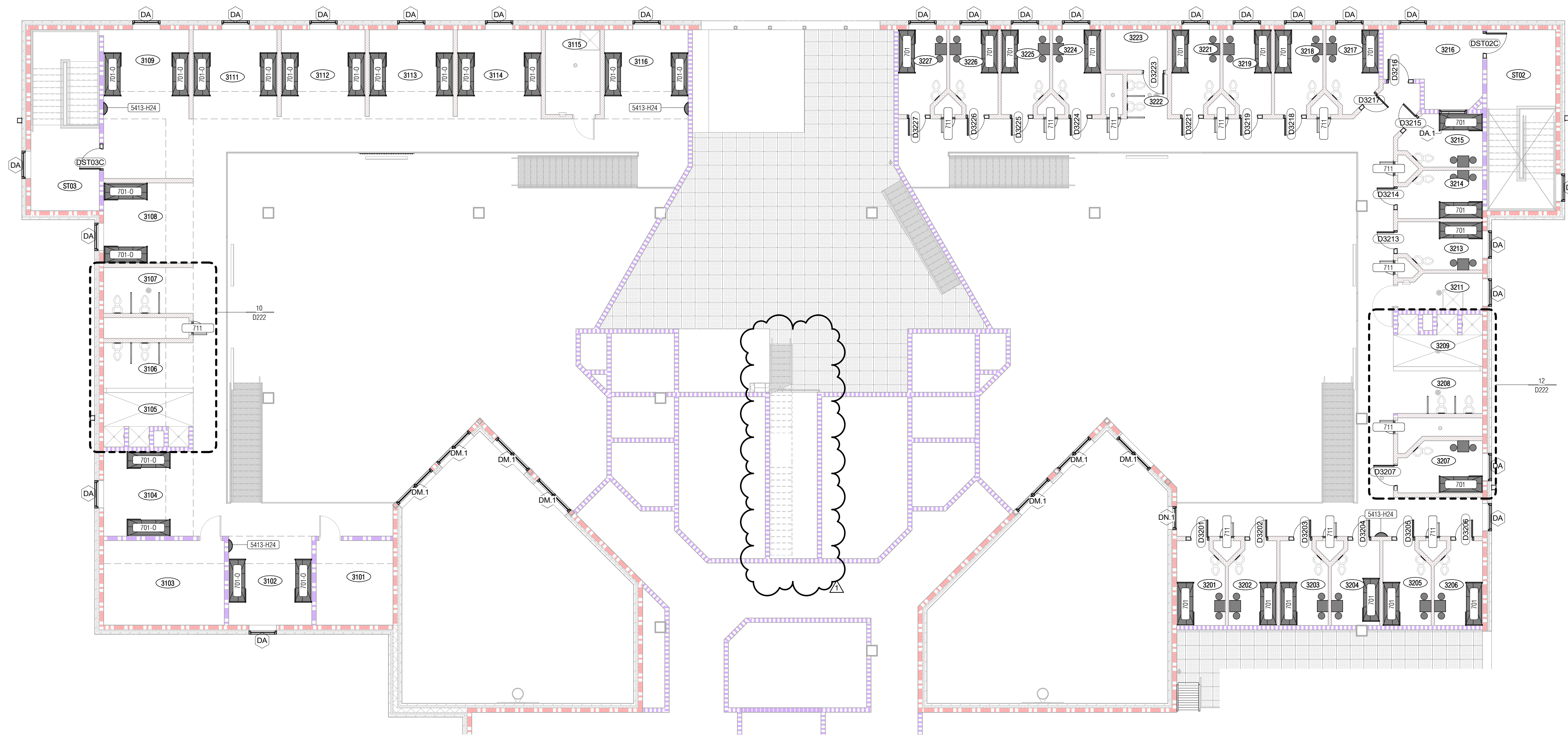
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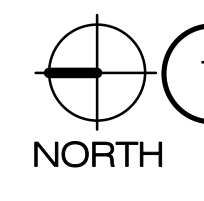
HISTORY table with columns: #, DATE, DESCRIPTION. Includes entries for 08/18/2021 ADDENDUM #2 and 1/31/2022 PR # 1.



DOOR SCHEDULE, DOOR TYPES, & FRAME ELEVATIONS



NOTE: SEE ENLARGED PLANS FOR BALANCE OF TAGS.



1 DETENTION FLOOR PLAN - TIER LEVEL - EAST

SCALE: 1/8" = 1'-0"



NUMBER	ROOM NAME
3101	STORAGE
3102	DORMITORY
3103	STORAGE
3104	DORMITORY
3105	SHOWER/CHANGING
3106	INMATE RESTROOM
3107	INMATE RESTROOM
3108	DORMITORY
3109	DORMITORY
3111	DORMITORY
3112	DORMITORY
3113	DORMITORY

NUMBER	ROOM NAME
3114	DORMITORY
3115	JAN.
3116	DORMITORY
3201	DBL OCC CELL
3202	DBL OCC CELL
3203	DBL OCC CELL
3204	DBL OCC CELL
3205	DBL OCC CELL
3206	DBL OCC CELL
3207	DBL OCC CELL
3208	INMATE TOILET
3209	INMATE SHOWERS

NUMBER	ROOM NAME
3211	JAN.
3213	DBL OCC CELL
3214	DBL OCC CELL
3215	DBL OCC CELL
3216	SAFETY VESTIBULE
3217	DBL OCC CELL
3218	DBL OCC CELL
3219	DBL OCC CELL
3221	DBL OCC CELL
3222	INMATE TOILET
3223	STORAGE
3224	DBL OCC CELL

NUMBER	ROOM NAME
3225	DBL OCC CELL
3226	DBL OCC CELL
3227	DBL OCC CELL
3301	DORMITORY
3302	DORMITORY
3303	INMATE TOILET
3304	INMATE SHOWER
3305	HC DORMITORY
3306	DORMITORY
3307	J/C
3308	STORAGE

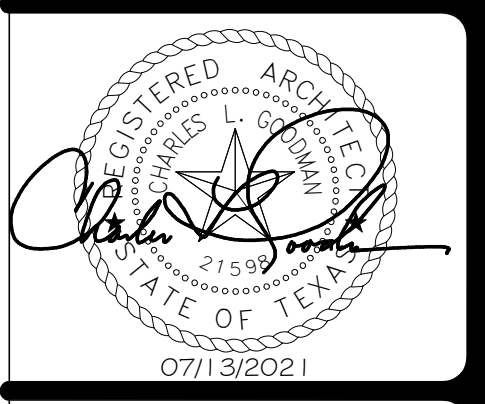
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BRINKLEY SARGENT WIGINTON ARCHITECTS

HISTORY		
#	DATE	DESCRIPTION
1	1/31/2022	PR # 1



DETENTION FLOOR PLAN - TIER LEVEL EAST

21913 07/13/2021 D216

FOR BID