



Owner Change Order

Change Order Number: 001

**City of Norman - North Base Complex Phase 1**

1310-1380 DA Vinci Street  
Norman, Oklahoma 73069

Flintco LLC (40-000)

Project # 20136

Date: 1/22/2021

**To Owner:**

City of Norman  
201-C West Gray  
Norman, Oklahoma 73069

Contract Number: K-2021-35

Contract Date: 10/13/2020

**The Contract is hereby revised by the following items:****Details**

Includes Costs for the Following:

- Additional Tree Removal
- Revision 3 (Exterior)\*\*\*
- Revision 4
- Revision 5
- Revision 6
- RFI #17 Additional Foundations at Fleet Building
- RFI #20 Removal of Existing Unforeseen Pipe
- Bridge Crane Electrical Cost Reduction
- Alternate Non-Prevailing Wage Confirmation\*\*\*
- Delay Receiving Permitted Utility Drawings\*\*\*
- Weather Delay Days Thru 02/05/2021\*\*\*

Items with \*\*\* have no cost impact.

| PCO #             | Title  | Amount             |
|-------------------|--|--------------------|
| 001               | Additional Tree Removal, Rev 3 (Exterior), Rev 4, Rev 5, Rev 6, RFI #17, RFI #20, Bridge Crane Cost Reduction, Alternate Non-Prevailing Wage Confirmation, Delay Receiving Permitted Utility Drawings & Delay Days Thru 02/05/2021 | \$64,737.65        |
| <b>PCO Total:</b> |  | <b>\$64,737.65</b> |

|   |                       |
|---|-----------------------|
| The original Contract Value   | \$8,648,000.00        |
| Sum of changes by prior Prime Contract Change Orders                                    | \$0.00                |
| The Contract Value prior to this Prime Contract Change Order                            | \$8,648,000.00        |
| The Contract Value will be changed by this Prime Contract Change Order in the amount of | \$64,737.65           |
| The new Contract Value including this Prime Contract Change Order will be               | <b>\$8,712,737.65</b> |
| The Contract duration will be changed by  | 22 days               |
| The revised Substantial Completion date as of this Prime Contract Change Order          | 8/31/2021             |



Change Order No. One to Contract K-2021-35

**Flintco, LLC**

CONTRACTOR

2302 S. Prospect  
Oklahoma City, Oklahoma 73129

Address

By

SIGNATURE

DATE

**City of Norman**

OWNER

201-C West Gray  
Norman, Oklahoma 73069

Address

By

Breea Clark, Mayor

SIGNATURE

DATE

ATTEST:

City Clerk

**GSB, Inc. Architects & Planners**

ARCHITECT

3555 NW 58TH Street, Suite 700W  
Oklahoma City, OK 73112

Address

By

SIGNATURE

DATE

Approved by the City Attorney's Office on  
\_\_\_\_\_, 2021, by



**PROPOSED CHANGE ORDER SUMMARY--- CONSTRUCTION MANAGER****Construction Manager:**

Flintco, LLC

**THE CITY OF NORMAN**Proj Name/ #: **Norman North Base - Phase 1 / 20136 (Main Job)**

PCO No.: #001

Additional Tree Removal, Rev 3 (Exterior), Rev 4, Rev 5, Rev 6, RFI #17 Additional Foundations at Fleet Building, RFI #20 Removal of Existing Unforeseen Pipe, Bridge Crane Cost Reduction, Delay Receiving Permitted Utility Drawings &amp; Delay Day Thru

PCO Title: 02/05/2021

PCO Date: 12/22/2021 (Revised 02/19/2021)

|                             |   |        |              |
|-----------------------------|---|--------|--------------|
| <b>1.</b>                   | <b>Subcontractors' Work</b> (enter amounts from Subcontractor Summary Sheets)       |        |              |
| DIV 02                      | Midwest Wrecking (Additional Tree Removal)  | \$     | 1,725.00     |
| DIV 26                      | DSE (Rev 4)   | \$     | 1,276.00     |
| DIV 32                      | Turning Point (Rev 4)   | \$     | 180.00       |
| DIV 33                      | H&H (Rev 4)   | \$     | 11,390.00    |
| DIV 26                      | DSE (Rev 5)   | \$     | 2,253.00     |
| DIV 33                      | H&H (Rev 6)   | \$     | 10,025.00    |
| DIV 26                      | DSE (Bridge Crane)  | \$     | (387.00)     |
|                             |   |        |              |
|                             | Subtotal for Subcontractors' Work   | \$     | 26,462.00    |
| <b>2.</b>                   | <b>Itemized Direct Project Management Cost Increases (if any)</b>                   |        |              |
|                             | Field Engineer (Layout): 4 Days @ \$70/HR   | \$     | 2,240.00     |
|                             | Labor Foreman: 0 Days @ \$65/HR   | \$     | -            |
|                             | Burden Rate (58% DPM Costs)   | \$     | 1,299.20     |
|                             |   |        |              |
|                             |   |        |              |
|                             | Subtotal for Direct Project Management Cost Increases (if any)                      | \$     | 3,539.20     |
|                             | Subtotal 1. + 2.  | \$     | 30,001.20    |
| <b>3.</b>                   | <b>Construction Manager's Self Performed Work</b>                                   |        |              |
| DIV 02                      | Removal of Existing Unforeseen Pipe (RFI #20): See Attached Spreadsheet             | \$     | 3,944.96     |
| DIV 03                      | Additional Foundations at Fleet Building (RFI #17): See Attached Spreadsheet        | \$     | 11,470.93    |
| DIV 03                      | Concrete (Rev 5): See Attached Spreadsheet  | \$     | 9,876.97     |
|                             | Clean-Up: 4 Days @ \$45/HR (Incl. Burden Rate @ 58%)                                | \$     | 2,275.20     |
|                             |   |        |              |
|                             |   |        |              |
|                             | Subtotal for Construction Manager's Self Perfrom Work                               | \$     | 27,568.06    |
|                             |   |        |              |
|                             | <b>Subtotal, Cost of Work and Direct Proj Mgmt Cost</b>                             | \$     | 57,569.26    |
| <b>4.</b>                   | <b>Construction Manager Fee</b> (Percent of Subtotal 1. and 2. above)               | 10.00% | \$ 3,000.12  |
| <b>5.</b>                   | <b>Construction Manager Overhead</b> (Percent of Subtotal 1. and 2. above)          | 5.00%  | \$ 1,500.06  |
| <b>6.</b>                   | <b>CM's Liability Insurance</b>   | 0.65%  | \$ 403.45    |
| <b>7.</b>                   | <b>Subcontractor Default Insurance, if authorized (% of Subcontractor Subtotal)</b> | 1.60%  | \$ 999.57    |
| <b>8.</b>                   | <b>CM's Builders Risk Insurance</b>   | 0.55%  | \$ 349.10    |
| <b>9.</b>                   | <b>Project Bonds</b>  | 0.82%  | \$ 523.34    |
| <b>Total Cost of Change</b> |   |        | \$ 64,344.89 |

Approved for Construction -- Any cost component may be adjusted in accordance with the Agreement for At-Risk Construction Management Services.

Construction Manager

Architect/Engineer

Owner







# **ADDITIONAL TREE REMOVAL**





November 16th, 2020

Flintco  
Attn: Phillip  
Email: phillip.gunderson@flintco.com

Re: City of Norman- North base complex- Phase 1  
Norman, OK

We propose and agree to furnish all labor, material, equipment, and insurance necessary to complete subject work as follows:

1. Remove and haul off trees located around existing parking lot.
2. All materials will be hauled off site and disposed of, proposal includes all disposal fees.

This work will be completed for the sum of **\$1,725.00** (One Thousand Seven Hundred Twenty Five Dollars).

If you have any questions regarding this proposal, please contact me at (405) 478-8833.

Respectfully,

Date: \_\_\_\_\_

Bryan Gann  
Project Estimator

Accepted: \_\_\_\_\_



**ARCHITECT**  
GSB, INC  
1555 NW 58th Street, Suite 700W  
Oklahoma City, OK 73112  
(405) 848-9549  
[www.gsb-inc.com](http://www.gsb-inc.com)  
**CIVIL ENGINEER**

STRUCTURAL ENGINEER  
WALLACE ENGINEERING  
110 NORTH WALNUT AVE. - STE. 200  
OKLAHOMA CITY, OK 73104  
(405) 236-5858  
[www.wallacesc.com](http://www.wallacesc.com)

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P/FP ENGINEER

**ELECTRICAL ENGINEER**  
HORNER ASSOCIATES ENGINEERS  
306 COMMERCE DRIVE  
NORMAN, OKLAHOMA 73071  
(405) 801-2528  
www.haelinc.com

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**LANDSCAPE ARCHITECT**

SE 1

IORN  
 PLEX -  
 INCI S-  
 N, OK

ITY C  
H BASE  
10-1380  
N

3555 NW 58th Street  
Ocala, FL 34474

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RENEWAL DATE: 04/30/2020

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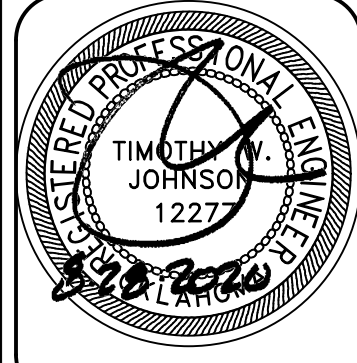
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# SAVING PLAN

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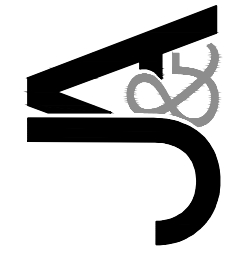
DATE  
28-20

## C3.0

[illegible]

RENEWAL DATE: 04/30/2020

**Johnson & Associates, Inc.**  
1 E. Sheridan Ave., Suite 200  
Oklahoma City, OK 73104  
(405) 235-8075 FAX (405) 235-8078 www.jackco.com  
Certificate of Authorization #1484 Exp. Date: 06-30-2022



CITY OF NORMAN - NORTH  
BASE COMPLEX PHASE 1  
NORMAN, CLEVELAND COUNTY, OKLAHOMA

PAVING PLAN

|            |          |
|------------|----------|
| Proj. No.: |          |
| Date:      | 08-28-20 |
| Scale:     | 1"=50'   |

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

**SHEET NUMBER**

# C5.0

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CITY OF NORMAN - NORTH BASE COMPLEX PHASE 1



Change Order No. One to Contract K-2021-35

# **REVISION 3**

**No Additional Costs for Exterior Improvements**

**(Includes: Added required safety markings on paving denoting designated travel paths to dumpster enclosures)**

**Cost for Interior Additions Pending**

**(Includes: Additional Equipment Added to Equipment Plans & Added required safety markings on floor denoting egress path in cleaning bay)**



Change Order No. One to Contract K-2021-35

# **REVISION 4**



# Change Order No. One to Contract K-2021-35

DSE Bidding and Estimating Form

Page # 1

Job: North Base

Area: EV MODIFICATIONS

| Enter E, C or W in Unit | Item | Qty | Unit | Description  | Labor Hours | Ext   | Material | Ext    |
|-------------------------|------|-----|------|--|-------------|-------|----------|--------|
|                         | 1    |     |      | this will add a total of 150' of 1" conduit and (2) 55' runs of 4" conduit |             |       | 6.50     | 97.50  |
|                         | 2    |     |      |  |             |       | 35.10    | 396.10 |
|                         | 3    | 15  | e    | 10' sticks of 1" PVC   |             |       |          |        |
|                         | 4    | 11  | e    | 10' sticks of 4" PVC   | 1           | 12.00 |          |        |
|                         | 5    | 12  | e    | 1 man 12 hours labor   |             |       |          |        |
|                         | 6    |     |      |  |             |       |          |        |
|                         | 7    |     |      |  |             |       |          |        |
|                         | 8    |     |      |  |             |       |          |        |
|                         | 9    |     |      |  |             |       |          |        |
|                         | 10   |     |      |  |             |       |          |        |
|                         | 11   |     |      |  |             |       |          |        |
|                         | 12   |     |      |  |             |       |          |        |
|                         | 13   |     |      |  |             |       |          |        |
|                         | 14   |     |      |  |             |       |          |        |
|                         | 15   |     |      |  |             |       |          |        |
|                         | 16   |     |      |  |             |       |          |        |
|                         | 17   |     |      |  |             |       |          |        |
|                         | 18   |     |      |  |             |       |          |        |
|                         | 19   |     |      |  |             |       |          |        |
|                         | 20   |     |      |  |             |       |          |        |
|                         | 21   |     |      |  |             |       |          |        |
|                         | 22   |     |      |  |             |       |          |        |
|                         | 23   |     |      |  |             |       |          |        |
|                         | 24   |     |      |  |             |       |          |        |
|                         | 25   |     |      |  |             |       |          |        |
|                         | 26   |     |      |  |             |       |          |        |
|                         | 27   |     |      |  |             |       |          |        |
|                         | 28   |     |      |  |             |       |          |        |
|                         | 29   |     |      |  |             |       |          |        |
|                         | 30   |     |      |  |             |       |          |        |
|                         | 31   |     |      |  |             |       |          |        |
|                         | 32   |     |      |  | Totals      | 1     | 12.00    | 483.60 |

Labor Hour Rate 60  
Tax Rate  
Profit 15.00%

Total Labor 720  
Total Material 556  
Total Opening 0  
Total 1,276

Total Page 1



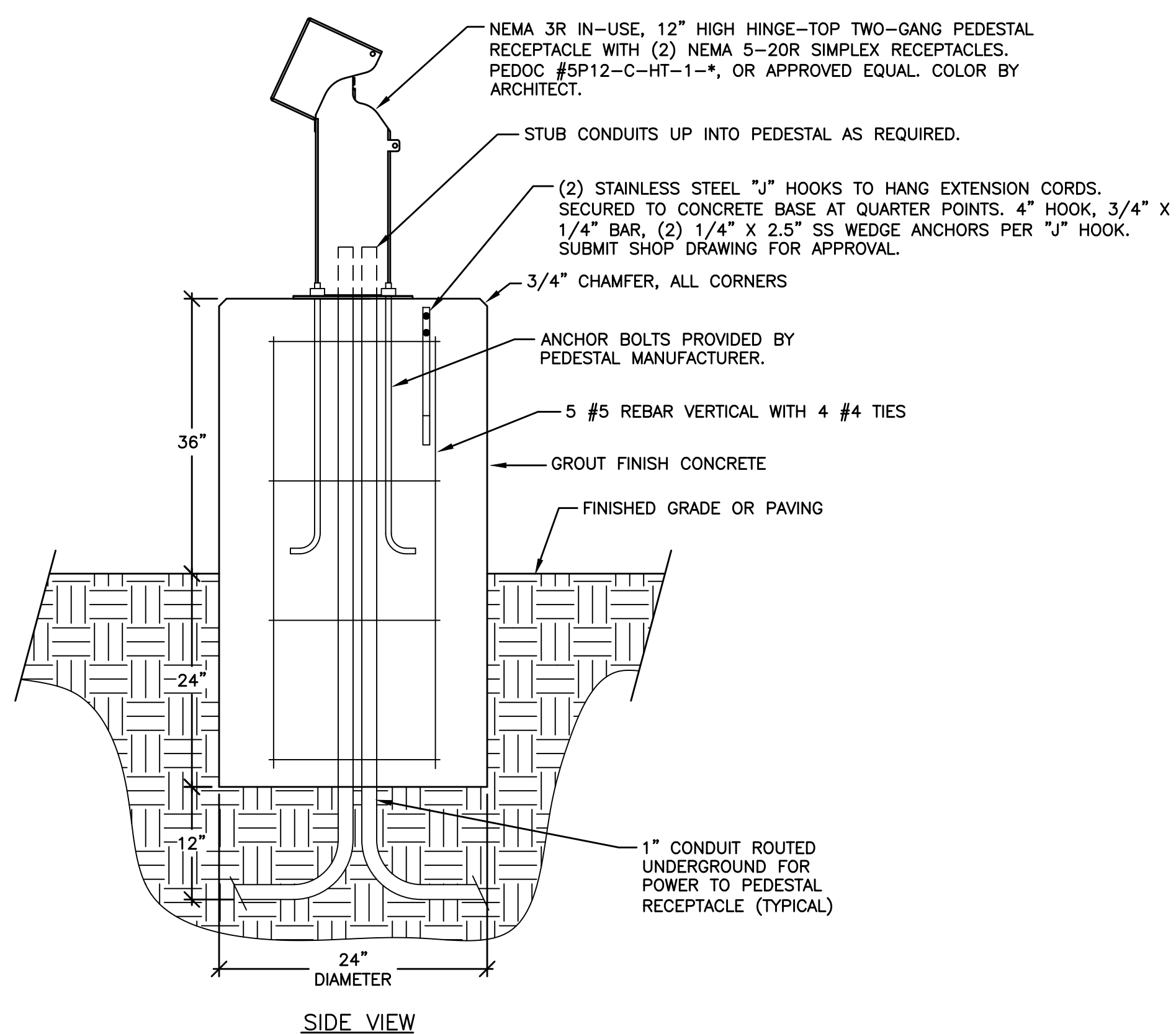
DA VINCI STREET

PHASE 2 (FUTURE)

EXISTING  
STRUCTUREWASH BAY  
(FUTURE)

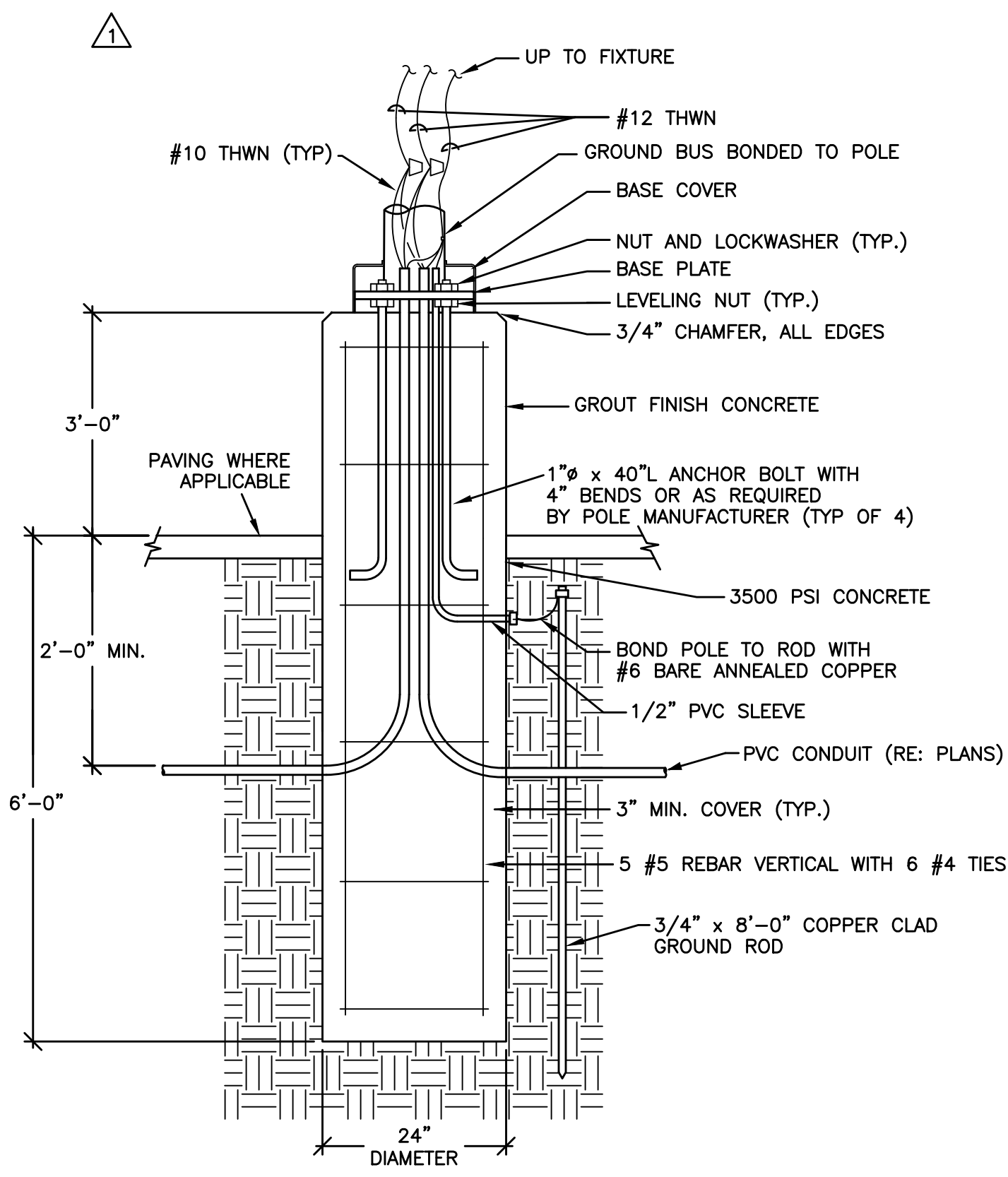
## ELECTRICAL SITE PLAN

1" = 30'-0"



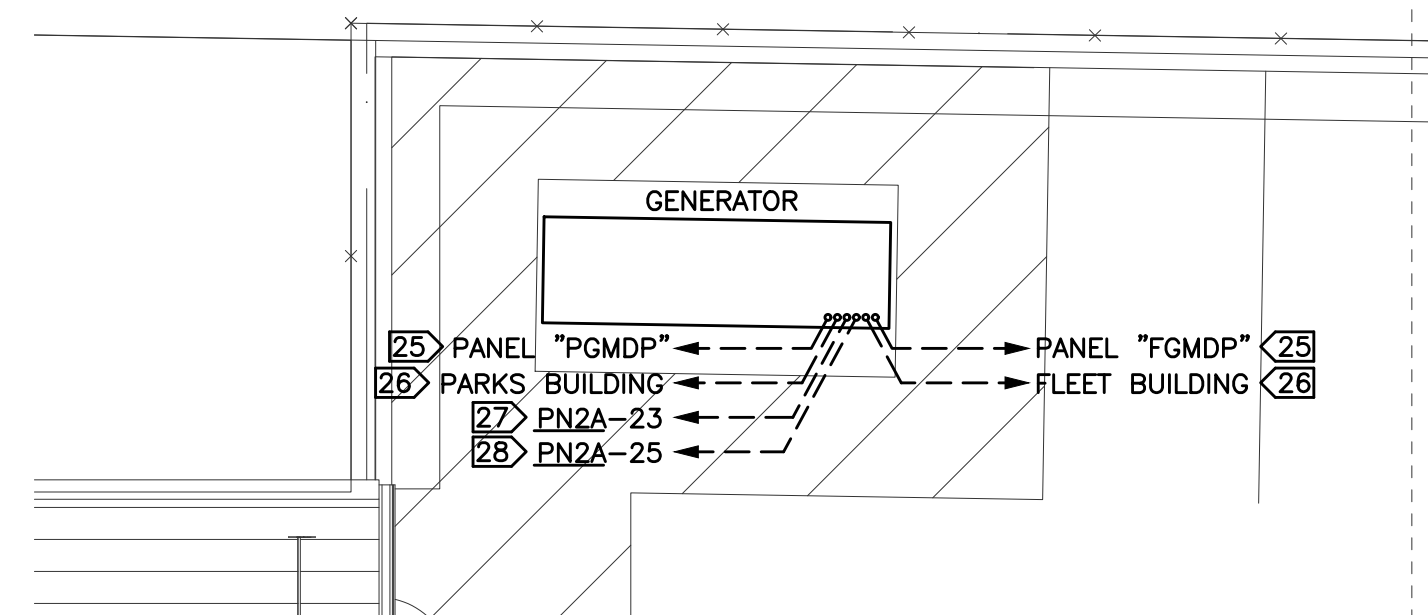
## RECEPTACLE PEDESTAL DETAIL

NOT TO SCALE



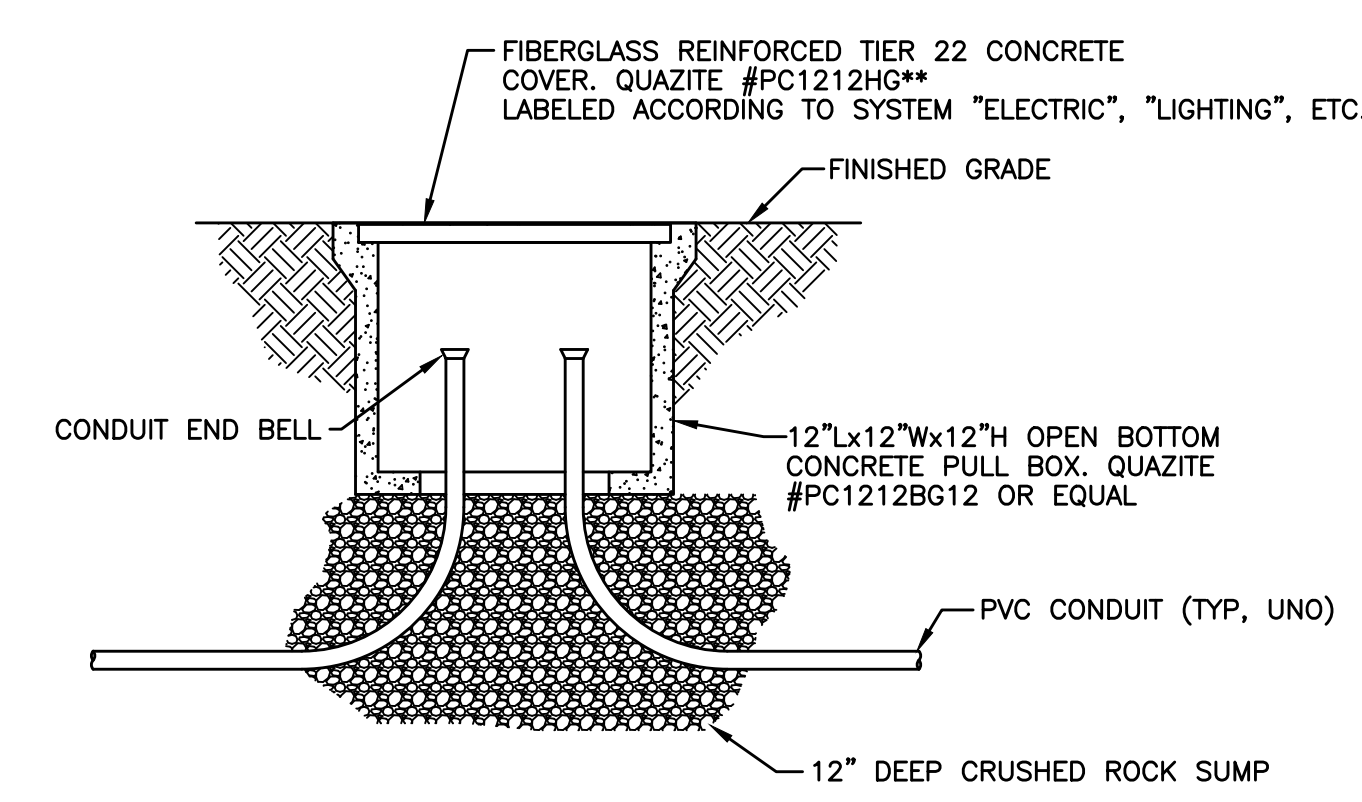
## POLE BASE DETAIL

NOT TO SCALE



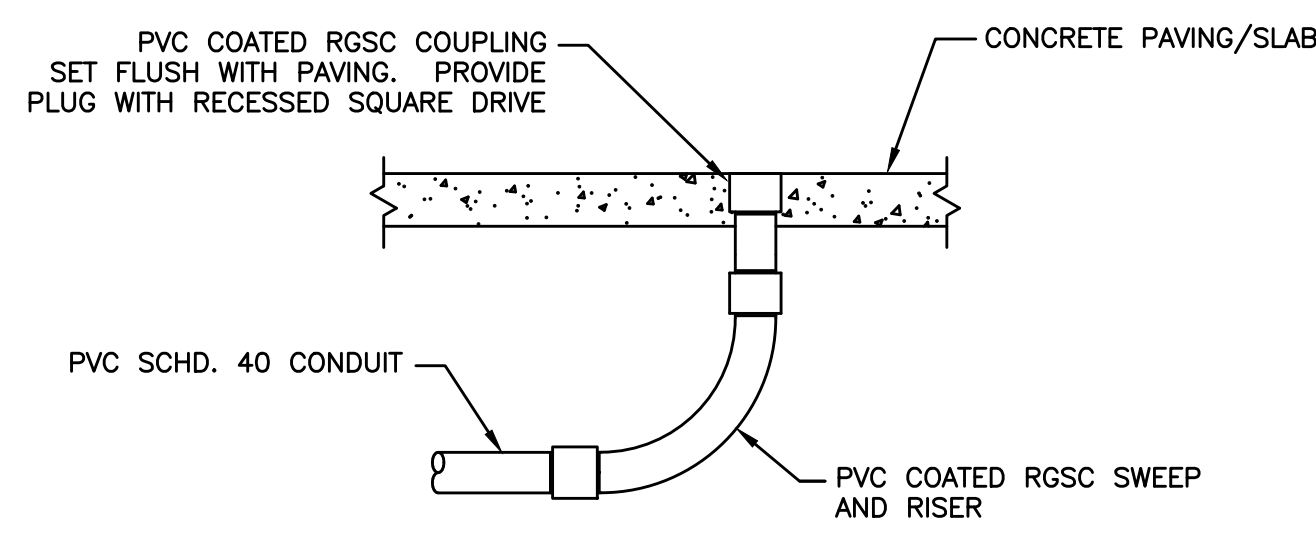
## GENERATOR POWER PLAN

1/8" = 1'-0"



## HANDHOLE DETAIL

NOT TO SCALE



## FLUSH CONDUIT STUB-UP DETAIL

NOT TO SCALE

## GENERAL NOTES:

- CONTRACTOR SHALL EXERCISE EXTREME CARE TO MAINTAIN ALL EXISTING UTILITIES WITHOUT INTERRUPTION. CONTRACTOR SHALL IMMEDIATELY REPAIR ANY DAMAGE INADVERTENTLY RENDERED TO EXISTING UTILITIES BY HIS WORK.
- REFERENCE CIVIL DRAWINGS FOR OTHER EXISTING UTILITIES NOT SHOWN ON THIS DRAWING. INFORMATION REPRESENTED BETWEEN THIS DRAWING AND CIVIL DRAWINGS IS THE BEST INFORMATION AVAILABLE. HOWEVER, ACCURACY IS NOT GUARANTEED, AND OTHER UTILITIES MAY BE PRESENT BEYOND WHAT ARE SHOWN. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN AND PROTECT ALL UTILITIES WHETHER SHOWN OR NOT.
- CONTRACTOR SHALL DAYLIGHT ALL EXISTING UTILITIES BY HAND BEFORE COMMENCING WITH MACHINE DIGGING.
- MINIMUM CONDUIT SIZE THIS SHEET SHALL BE 1", ROUTED AT LEAST 24" BFG, UNO.
- NOT USED.
- COORDINATE EXACT LOCATION OF ALL RECEPTACLE PEDESTALS AND LIGHT POLES WITH ARCHITECT PRIOR TO ROUGH-IN.
- RE: CONVERGENT DRAWINGS FOR ACCESS CONTROL & CCTV CONDUITS TO BE PROVIDED TO BE PROVIDED UNDER THIS CONTRACT AT GATE OPERATORS, LIGHT POLES, ETC.
- PROVIDE PULL STRINGS IN ALL EMPTY CONDUITS.

## KEYED NOTES:

- NEW PADMOUNT TRANSFORMER. PROVIDE CONCRETE PAD IN ACCORDANCE WITH UTILITY CONSTRUCTION STANDARDS. COORDINATE WITH UTILITY.
- CT ENCLOSURE WITH METER BASE ABOVE INSTALLED PER OGE STANDARDS FOR FLEET BUILDING. RE: SHEET E3-01.
- METER BASE MOUNTED ON UNISTRUT RACK PER OGE STANDARDS FOR PARKS BUILDING.
- BLOCK HEATER OUTLET PEDESTAL WITH (2) WR SIMPLEX OUTLETS. RE: DETAIL C THIS SHEET.
- STUB CONDUIT UP FOR FUTURE ELECTRIC VEHICLE CHARGE PEDESTAL. COORDINATE EXACT LOCATION WITH ARCHITECT. RE: DETAIL "D" THIS SHEET.
- STUB-UP AT APPROPRIATE PANEL. COORDINATE WITH HAZARDOUS AREA. RE: SHEET E3-01.
- STUB-UP AT APPROPRIATE PANEL. COORDINATE WITH HAZARDOUS AREA. RE: SHEET E3-02.
- PROVIDE CONCRETE PAD. RE: STRUCTURAL DRAWINGS.
- PROVIDE HOT-DIPPED GALVANIZED RACK WITH 36" DEEP FOOTINGS.
- COMMUNICATIONS HANDHOLE. RE: CIVIL.
- STUB-UP AT TELEPHONE TERMINAL BOARD. RE: POWER PLANS FOR DETAILS.
- 2" EMPTY CONDUIT 36" BFG. STUB INTO PANEL "PMDP" FOR FUTURE EV FEEDER (ALT. NO. 1)
- PROVIDE GFCI CIRCUIT BREAKERS AS SCHEDULED.
- MOUNT ON CANOPY COLUMN 48" AFF.
- MINI POWER ZONE PAD MOUNTED. PROVIDE (2) 1" SPARE CONDUITS STUBBED EAST AND CAPPED BELOW PARKING. MARK ENDS IN PAVING. IF WALL-MOUNTED UNIT IS UTILIZED, PROVIDE HOT-DIPPED GALVANIZED RACK WITH 36" DEEP FOOTINGS.
- COORDINATE EXACT LOCATION OF POLE FOUNDATION IN PROXIMITY TO THE BUILDING WITH THE ARCHITECT.
- FUTURE OGE PADMOUNT TRANSFORMER FOR BUS EV CHARGING SYSTEM.
- FUTURE PAD FOR EV CHARGING SYSTEM EQUIPMENT.
- CAP CONDUITS BELOW GRADE FOR FUTURE EXTENSION AND MARK ENDS WITH REBAR DRIVEN FLUSH WITH GRADE.
- (3) 2" CONDUITS ROUTED 36" BFG TO TOP OF CONDUIT FOR FUTURE EV CHARGING SYSTEM.
- NEMA 3R DISCONNECT SWITCH LOCATED AS DIRECTED BY CNG CONTRACTOR OUTSIDE THE HAZARDOUS AREA. PROVIDE EMERGENCY POWER OFF (EPO) STATION WIRED TO SHUNT-TRIP CIRCUIT BREAKER ON UNISTRUT PEDESTAL WITH CONCRETE FOOTING ADJACENT TO PANEL "SN2A". COORDINATE EXACT EPO LOCATION WITH ARCHITECT.
- MOTORIZED GATE OPERATOR. COORDINATE EXACT POWER AND CONTROL REQUIREMENTS WITH EQUIPMENT PROVIDED. PROVIDE ADDITIONAL CONDUITS AND CIRCUITING AS INDICATED ON CONVERGENT SECURITY PLANS.
- COMMUNICATIONS CONDUIT STUBBED UP AT CNG PAD PER DETAIL "D", THIS SHEET. ROUTE TO FLEET BUILDING SERVER ROOM WITHOUT ANY HORIZONTAL SWEEPS AND STUB-UP AT TELCO TERMINAL BOARD. COORDINATE EXACT STUB-UP LOCATION WITH CNG CONTRACTOR.
- COMMUNICATIONS CONDUIT CAPPED BELOW GRADE AND MARKED. ROUTE TO FLEET BUILDING SERVER ROOM WITHOUT ANY HORIZONTAL SWEEPS AND STUB-UP AT TELCO TERMINAL BOARD.
- TO PANEL INDICATED. RE: ONE-LINE DIAGRAM.
- CONTROL CONDUIT WITH CONDUCTORS FOR REMOTE ANNUNCIATOR, REMOTE EPO, AND ENGINE START. WIRE START CIRCUIT FROM BOTH ATS SWITCHES.
- CIRCUIT FOR BATTERY CHARGER.
- CIRCUIT FOR JACKET WATER HEATER.
- FEEDER AND SERVICE CONDUITS. RE: ONE-LINE DIAGRAM.
- PROVIDE 15A, 120V POWER TO CONVERGENT GATE CONTROLLER FROM CONTROL POWER TRANSFORMER. PROVIDE 2KVA 480-120V TRANSFORMER WITH PRIMARY AND SECONDARY FUSES MOUNTED INSIDE GATE CONTROLLER HOUSING. COORDINATE WITH GATE CONTROLLER MANUFACTURER.
- PROVIDE TRANSFORMER BASE TO MATCH POLE AND 1KVA WEATHERPROOF 277-120V, CONTROL POWER TRANSFORMER WITH PRIMARY AND SECONDARY FUSES FOR CCTV CAMERA. RE: CONVERGENT DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- FITURE LOCATED BETWEEN PARKING SPACES SUSPENDED 6" BELOW ROOF DECK.
- (2) 4" CONDUITS ROUTED 36" BFG TO TOP OF CONDUIT FOR FUTURE EV CHARGING SYSTEM.



OWNER  
CITY OF NORMAN, OKLAHOMA  
201 A WEST GRAY STREET  
NORMAN, OKLAHOMA 73069  
(405) 366-5406  
www.NormanOK.gov

ARCHITECT  
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3555 NW 58th Street, Suite 700W  
Oklahoma City, OK 73112  
(405) 848-9849  
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JOHNSON & ASSOCIATES  
1 EAST SHERIDAN AVE. - STE. 200  
OKLAHOMA CITY, OKLAHOMA 73104  
(405) 235-8075  
www.jacinc.com

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WALLACE ENGINEERING  
410 NORTH WALNUT AVE. - STE. 200  
OKLAHOMA CITY, OK 73104  
(405) 236-8688  
www.wallacesc.com

M/P/FP ENGINEER  
ALLEN CONSULTING, INC.  
110 NORTH MERCEDES DRIVE  
NORMAN, OK 73069  
(405) 928-7702  
www.alcncorp.com

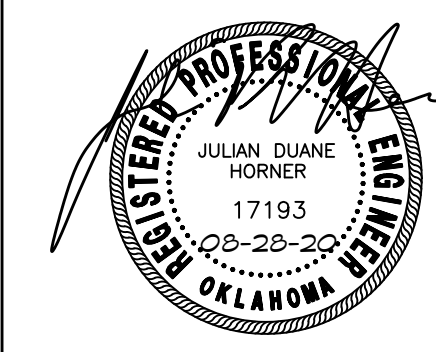
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HORNOR ASSOCIATES ENGINEERS  
1306 COMMERCE DRIVE  
NORMAN, OKLAHOMA 73071  
(405) 801-2528  
www.haenec.com

LANDSCAPE ARCHITECT  
PLANNING DESIGN GROUP  
5314 SOUTH YALE AVE. - STE. 510  
TULSA, OKLAHOMA 74135  
(918) 628-1255  
www.planningdesigngroup.com

CITY OF NORMAN  
NORTH BASE COMPLEX - PHASE 1  
1310-1380 DA VINCI STREET  
NORMAN, OK

gsb 3555 NW 58th Street  
Suite 700W  
Oklahoma City, OK 73112  
T: 405.848.9549  
F: 405.848.9783  
www.gsb-inc.com

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| REVISIONS  |                  |             |
|------------|------------------|-------------|
| NO.        | DATE             | DESCRIPTION |
| Δ 09/18/20 | ADD. NO. 2       |             |
| Δ 11/24/20 | EV MODIFICATIONS |             |

GSB PROJECT NO.  
191650

DRAWING TITLE  
ELECTRICAL SITE PLAN

DATE  
08/28/2020

DRAWING NO.

E1-01

HAE Horner Associates Engineers, Inc.  
350 Commerce Dr., Norman, OK 73071  
Certificate of Registration No. OK 3580, Expires 6/30/2021  
info@haenec.com Ph (405) 801-4568 Fax (405) 801-4569  
COPYRIGHT © 2020 HORNER ASSOCIATES ENGINEERS, INC. ALL RIGHTS RESERVED



# Change Order No. One to Contract K-2021-35



Jason Lohaus - Estimator  
turningpoint.lohaus@gmail.com  
Cell: 405-255-3395  
Office: 405-579-7663  
Fax: 405-579-1693  
Federal ID: 71-0913108  
PO Box 1805 | Blanchard OK 73010

December 06, 2020

RE: Norman North Base Complex

## REVISION 4 CHANGES:

- ~~• Add mechanical pads for EV stations~~
- ~~• Add bollards adjacent to EV stations and transformer~~
- Add EV pavement markings (will need detail provided prior to placement)

## ITEMIZED AS FOLLOWS:

| DESCRIPTION:                                      | QTY:             | UNIT:         | UNIT COST:        | SUB:                         |
|---|------------------|---------------|-------------------|------------------------------|
| <del>5-6" NR Mechanical Pad placed on grade</del> | <del>3.00</del>  | <del>EA</del> | <del>600.00</del> | <del>1800.00</del>           |
| <del>4" Bollards (Type I) (Labor Only)</del>      | <del>23.00</del> | <del>EA</del> | <del>180.00</del> | <del>4140.00</del>           |
| EV Pavement Stencils                              | 3.00             | EA            | 60.00             | 180.00                       |
| <b>TOTAL:</b>                                     |                  |               |                   | <del><b>\$6,120.00</b></del> |

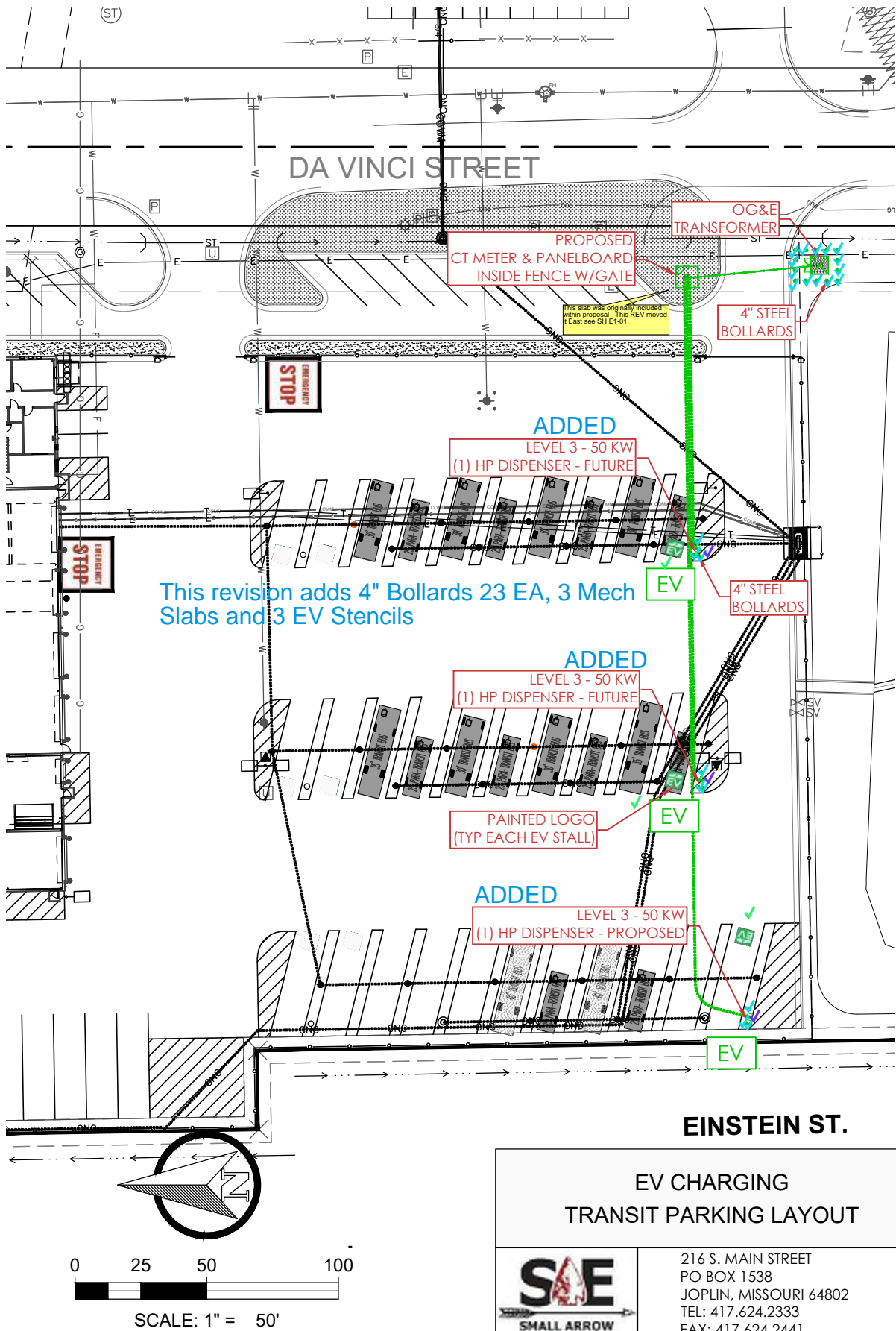
Note: Per previous correspondence the materials, labor and installation of the mechanical pads and bollards for the EV stations and transformer are the responsibility of the EV contractor.







# Change Order No. One to K-2021-2



|                              |       |
|------------------------------|-------|
| 4" Bollards - Type I         | 23 EA |
| Elevated Mech Pads (Assumed) | 3 EA  |
| EV Stencils                  | 3 EA  |



# H & H Plumbing & Utilities, Inc.

Lic. No.  
OK 02653

381 W. Adkins Hill Road, Norman, OK 73072-9218  
(405) 288-2346 (405) 288-2349 FAX

Sheet ( 2 ) of ( 3 )

Contractor: \_\_\_\_\_ Ph.#: \_\_\_\_\_ Project: North Base Complex Phase 1  
Address: \_\_\_\_\_ Fax #: \_\_\_\_\_ Address: 1310 - 1380 Da Vinci St.  
Email: \_\_\_\_\_ Norman, OK 73071

## Private Storm Original Price

| ITEM # | ITEM                        | UNIT | Qty | PRICE    | TOTAL            |
|--------|-----------------------------|------|-----|----------|------------------|
| 1      | 22" x 13 1/2" RCPA headwall | EA   | 4   | 2,050.00 | 8,200.00         |
| 2      | 24" RCP headwall            | EA   | 1   | 1,250.00 | 1,250.00         |
| 3      | 18" RCP headwall            | EA   | 1   | 950.00   | 950.00           |
|        |                             |      |     |          | <b>10,400.00</b> |

## Private Storm Original Price

| ITEM # | ITEM                        | UNIT | Qty | PRICE    | TOTAL            |
|--------|-----------------------------|------|-----|----------|------------------|
| 1      | 22" x 13 1/2" RCPA headwall | EA   | 4   | 2,550.00 | 10,200.00        |
| 2      | 24" RCP headwall            | EA   | 1   | 2,250.00 | 2,250.00         |
| 3      | 18" RCP headwall            | EA   | 1   | 1,800.00 | 1,800.00         |
|        |                             |      |     |          | <b>14,250.00</b> |

## Added Pipe & Structure

| ITEM # | ITEM               | UNIT | Qty | PRICE    | TOTAL           |
|--------|--------------------|------|-----|----------|-----------------|
| 1      | 30" RCP storm pipe | LF   | 11  | 70.00    | 770.00          |
| 2      | 5' Dia. Manhole    | EA   | 1   | 2,850.00 | 2,850.00        |
| 3      |                    |      |     |          | -               |
|        |                    |      |     |          | <b>3,620.00</b> |

## Public Water

| ITEM # | ITEM                | UNIT | Qty | PRICE  | TOTAL           |
|--------|---------------------|------|-----|--------|-----------------|
| 5      | 6" Gate valve & box | EA   | 4   | 980.00 | 3,920.00        |
|        |                     |      |     |        | <b>3,920.00</b> |

Contract Amount

**\$ 11,390.00**

Submitted By: Jason Lawrance

Title: Project Manager

Date: 11/30/2020

Accepted By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_







**REVISION 5**



# DSE Bidding and Estimating Form

Job: NORTH BASE

Page # 1

Area: REV 5

Enter E, C or W in Unit

Labor

Hours

Ext

Material

Ext

Open

Ext

| Item          | Qty | Unit | Description                             | Labor<br>Hours | Ext          | Material | Ext            | Open | Ext         |
|---------------|-----|------|---|----------------|--------------|----------|----------------|------|-------------|
| 1             |     |      | added (2) runs of 1.25" pvc at 320' ea. |                |              |          |                |      |             |
| 2             |     |      |   |                |              |          |                |      |             |
| 3             | 64  | e    | 10' sticks of 1.25" PVC                 |                |              | 16.00    | 1024.00        |      |             |
| 4             | 4   | e    | 1.25" rob roy 90's                      |                |              | 25.00    | 100.00         |      |             |
| 5             | 8   | e    | 8 hours labor 2 men labor               | 2              | 16.00        |          |                |      |             |
| 6             |     |      |   |                |              |          |                |      |             |
| 7             |     |      |   |                |              |          |                |      |             |
| 8             |     |      |   |                |              |          |                |      |             |
| 9             |     |      |   |                |              |          |                |      |             |
| 10            |     |      |   |                |              |          |                |      |             |
| 11            |     |      |   |                |              |          |                |      |             |
| 12            |     |      |   |                |              |          |                |      |             |
| 13            |     |      |   |                |              |          |                |      |             |
| 14            |     |      |   |                |              |          |                |      |             |
| 15            |     |      |   |                |              |          |                |      |             |
| 16            |     |      |   |                |              |          |                |      |             |
| 17            |     |      |   |                |              |          |                |      |             |
| 18            |     |      |   |                |              |          |                |      |             |
| 19            |     |      |   |                |              |          |                |      |             |
| 20            |     |      |   |                |              |          |                |      |             |
| 21            |     |      |   |                |              |          |                |      |             |
| 22            |     |      |   |                |              |          |                |      |             |
| 23            |     |      |   |                |              |          |                |      |             |
| 24            |     |      |   |                |              |          |                |      |             |
| 25            |     |      |   |                |              |          |                |      |             |
| 26            |     |      |   |                |              |          |                |      |             |
| 27            |     |      |   |                |              |          |                |      |             |
| 28            |     |      |   |                |              |          |                |      |             |
| 29            |     |      |   |                |              |          |                |      |             |
| 30            |     |      |   |                |              |          |                |      |             |
| 31            |     |      |   |                |              |          |                |      |             |
| 32            |     |      |   |                |              |          |                |      |             |
| <b>Totals</b> |     |      |   | <b>2</b>       | <b>16.00</b> |          | <b>1124.00</b> |      | <b>0.00</b> |

Labor Hour Rate 60

Total Labor 960

Total Material 1,293

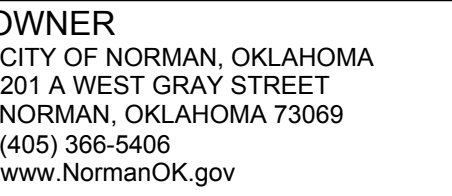
Total Opening 0

**Total 2,253**

Total Page 1

Profit 15.00%





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(405) 928-7702  
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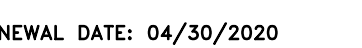
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NORTH BASE COMPLEX - PHASE 1  
1310-1380 DA VINCI STREET  
NORMAN, OK



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SB PROJECT NO.  
191650

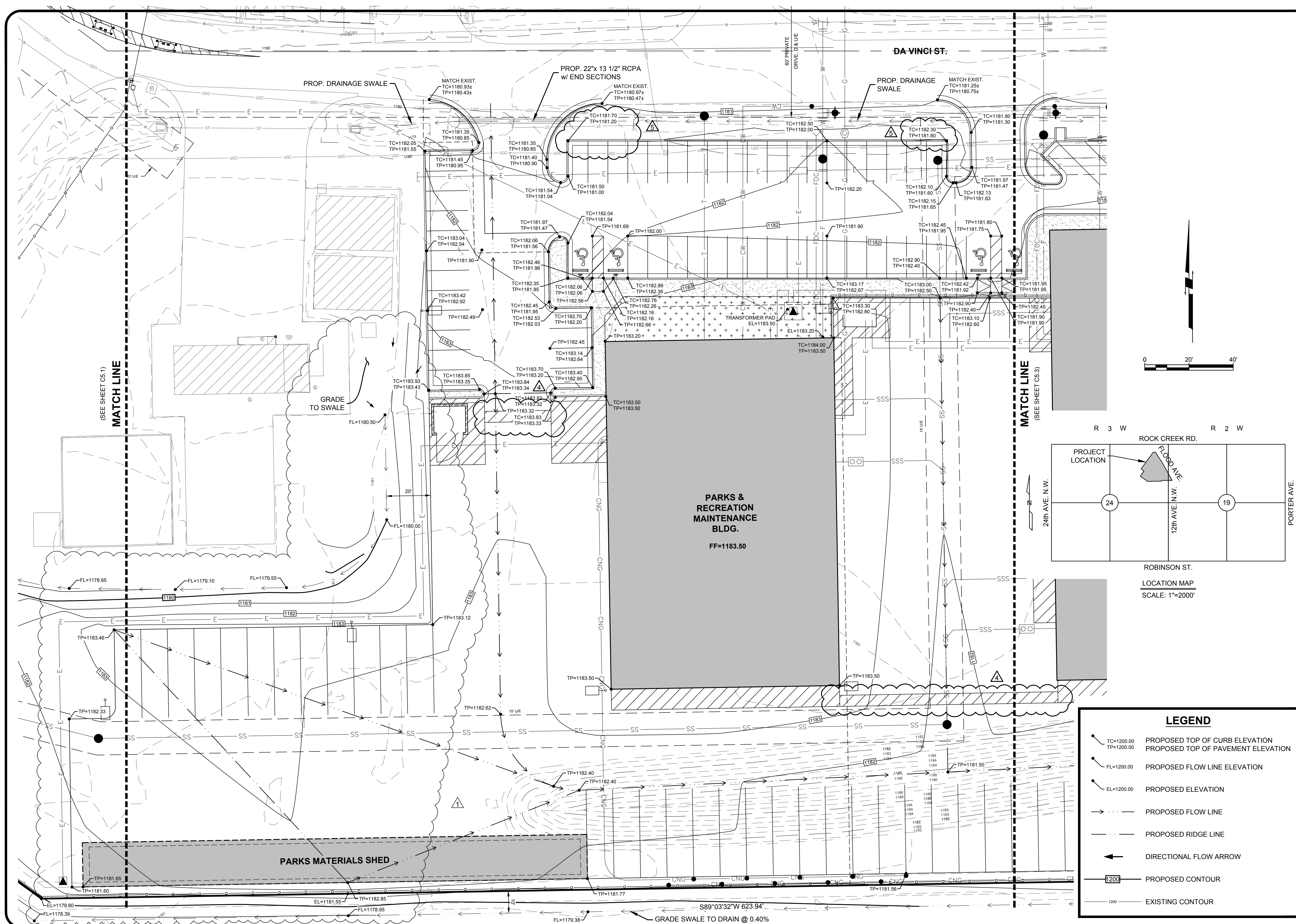
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DATE 4-28-20

DRAWING NO.

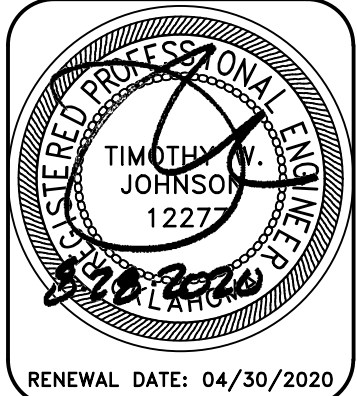
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CITY OF NORMAN - NORTH BASE COMPLEX PHASE 1

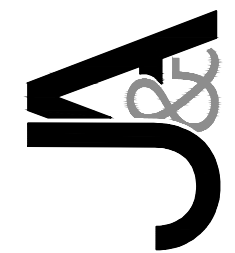
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| REVISIONS |             |          |
|-----------|-------------|----------|
| NO.       | DESCRIPTION | DATE     |
| △         | ADDENDUM #1 | 09-09-20 |
| △         | REVISION #4 | 11-24-20 |
| △         | RFI #009    | 12-04-20 |
|           |             |          |
|           |             |          |



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CITY OF NORMAN - NORTH  
BASE COMPLEX PHASE 1  
NORMAN, CLEVELAND COUNTY, OKLAHOMA

# GRADING PLAN

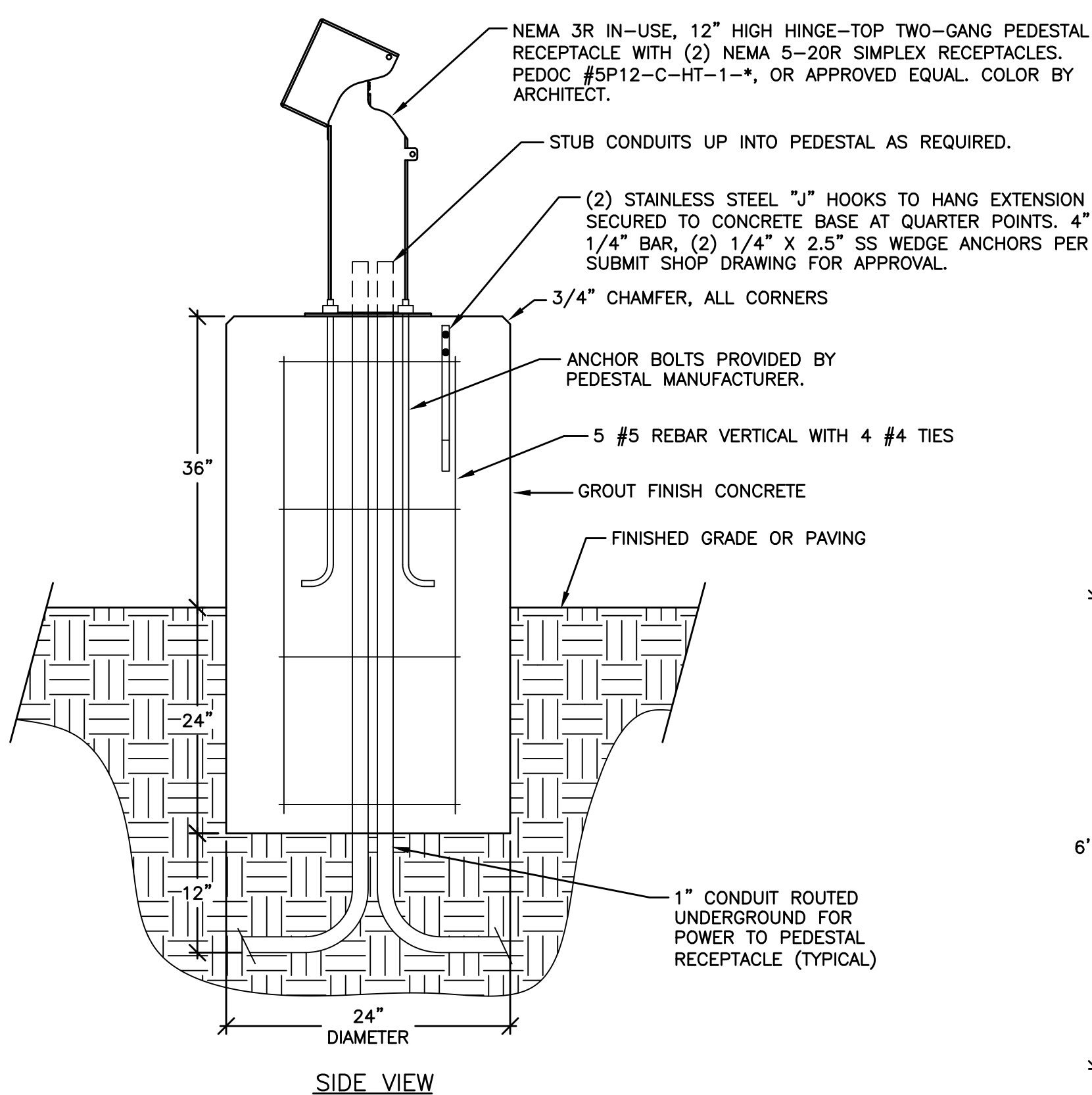
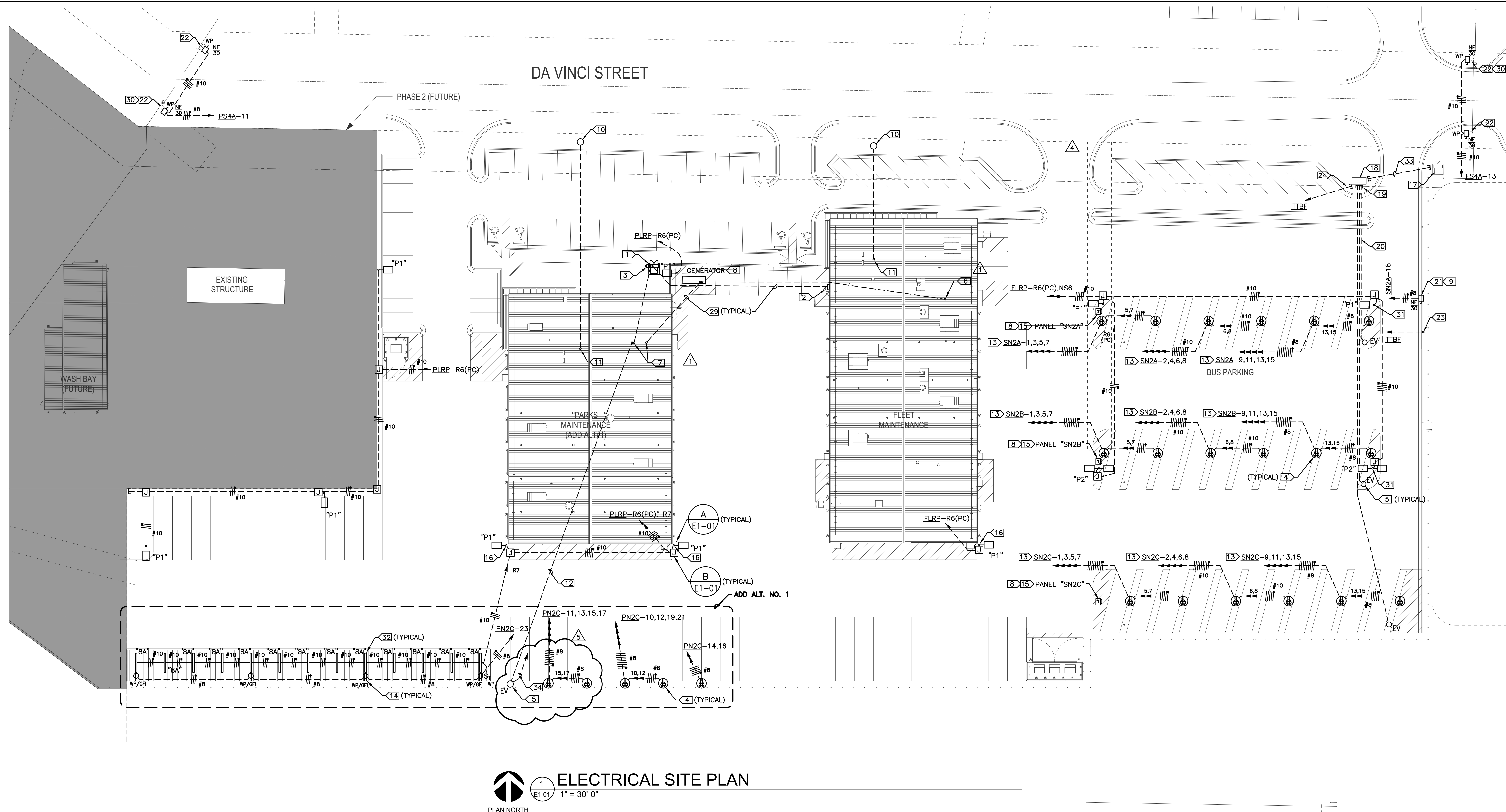
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 Approved By: \_\_\_\_\_  
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SHEET NUMBER

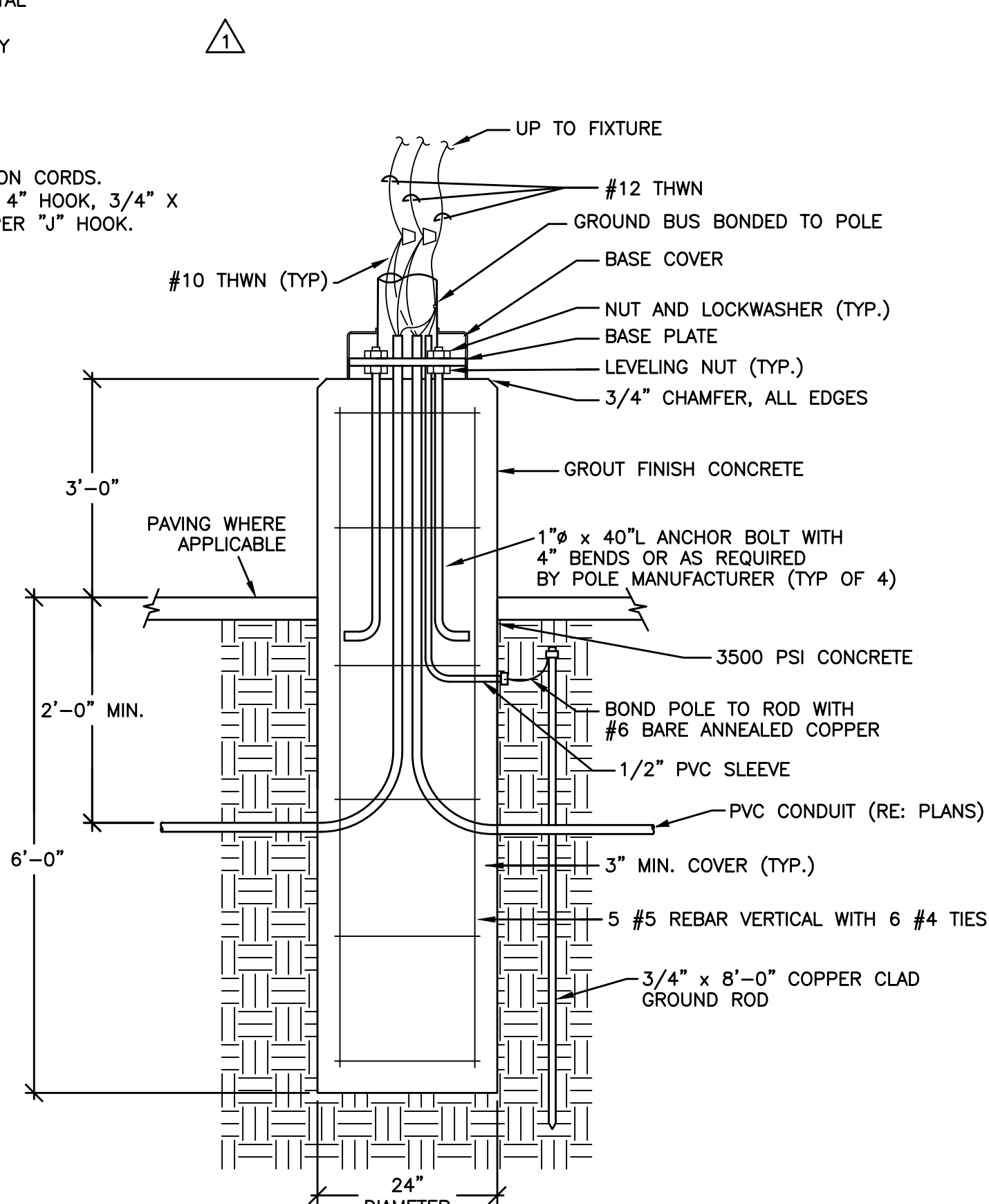
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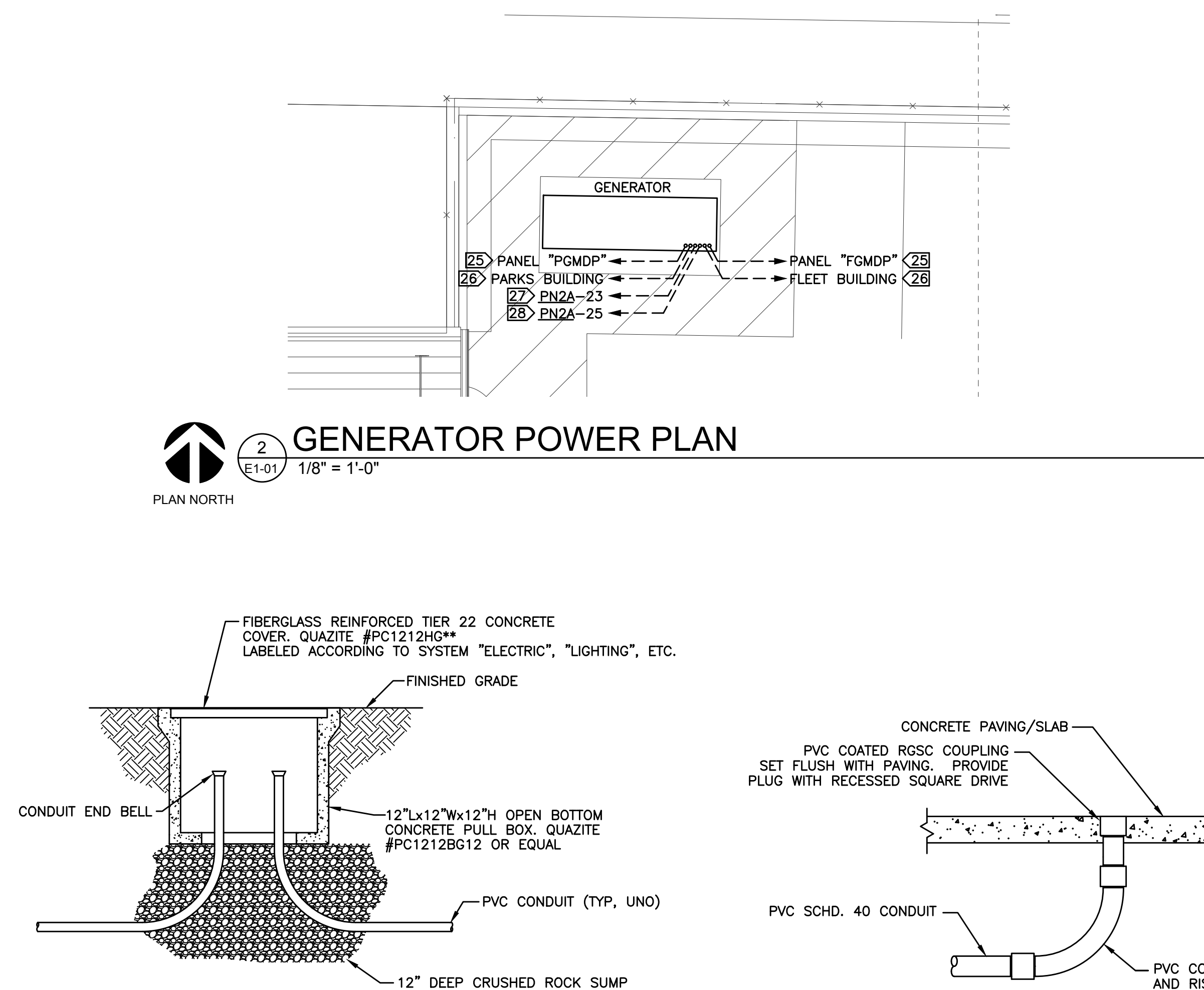




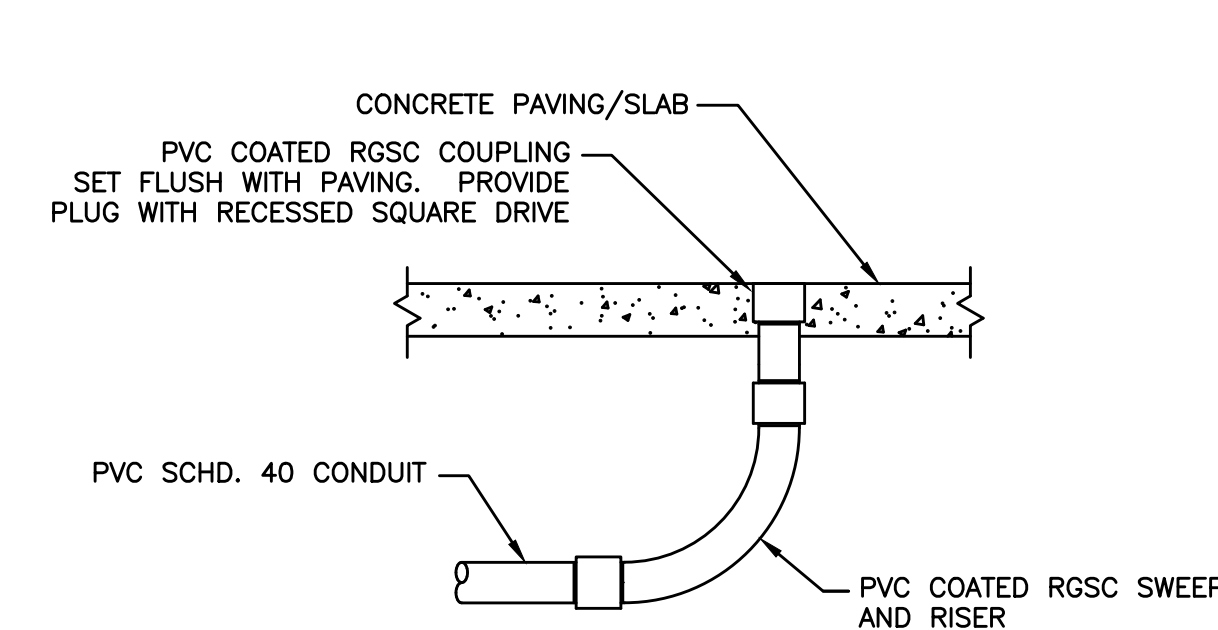
**RECEPTACLE PEDESTAL DETAIL**



**POLE BASE DETAIL**  
NOT TO SCALE








**B** **HANDHOLE DETAIL**  
E1-01 NOT TO SCALE



**FLUSH CONDUIT STUB-UP DETAIL**  
NOT TO SCALE

- GENERAL NOTES:**
- A. CONTRACTOR SHALL EXERCISE EXTREME CARE TO MAINTAIN ALL EXISTING UTILITIES WITHOUT INTERRUPTION. CONTRACTOR SHALL IMMEDIATELY REPAIR ANY DAMAGE INADVERTENTLY RENDERED TO EXISTING UTILITIES BY HIS WORK.
  - B. REFERENCE CIVIL DRAWINGS FOR OTHER EXISTING UTILITIES NOT SHOWN ON THIS DRAWING. INFORMATION REPRESENTED BETWEEN THIS DRAWING AND CIVIL DRAWINGS IS THE BEST INFORMATION AVAILABLE. HOWEVER, ACCURACY IS NOT GUARANTEED, AND OTHER UTILITIES MAY BE PRESENT BEYOND WHAT ARE SHOWN. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN AND PROTECT ALL UTILITIES WHETHER SHOWN OR NOT.
  - C. CONTRACTOR SHALL DAYLIGHT ALL EXISTING UTILITIES BY HAND BEFORE COMMENCING WITH MACHINE DRAINING.
  - D. MINIMUM CONDUIT SIZE THIS SHEET SHALL BE 1", ROUTED AT LEAST 24" BFG. UNO.
  - E. NOT USED.
  - F. COORDINATE EXACT LOCATION OF ALL RECEPTACLE, PEDESTALS AND LIGHT POLES WITH ARCHITECT PRIOR TO ROUGH-IN.
  - G. RE: CONVERGENT DRAWINGS FOR ACCESS CONTROL & CITY CONDUITS AND ENCLOSURES TO BE PROVIDED UNDER THIS CONTRACT. GATE OPERATORS, LIGHT POLES, ETC.
  - H. PROVIDE PULP STRINGS IN ALL EMPTY CONDUITS.

- KEYED NOTES:** 
1. NEW PADMOUNT TRANSFORMER. PROVIDE CONCRETE PAD IN ACCORDANCE WITH UTILITY CONSTRUCTION STANDARDS. COORDINATE WITH UTILITY.
2. CT ENCLOSURE WITH METER BASE ABOVE INSTALLED PER OGE STANDARDS FOR FLEET BUILDING. RE: SHEET E3-01.
3. METER BASE MOUNTED ON UNISTRUT RACK PER OGE STANDARDS FOR PARKS BUILDING.
-  4. BLOCK HEATER OUTLET PEDESTAL, WITH (2) WR SIMPLEX OUTLETS. RE: DETAIL C THIS SHEET.
5. STUB CONDUIT PAD FOR FUTURE ELECTRIC VEHICLE CHARGE PEDESTAL. COORDINATE EXACT LOCATION WITH ARCHITECT. RE: DETAIL T THIS SHEET.
6. STUB-UP AT APPROPRIATE PANEL. COORDINATE WITH HAZARDOUS AREA. RE: SHEET E3-01.
7. STUB-UP AT APPROPRIATE PANEL. COORDINATE WITH HAZARDOUS AREA. RE: SHEET E3-02.
8. PROVIDE CONCRETE PAD. RE: STRUCTURAL DRAWINGS.
9. PROVIDE HOT-DIPPED GALVANIZED RACK WITH 36" DEEP FOOTINGS.
10. COMMUNICATIONS HANDLE. RE: CIVIL
11. STUB-UP AT TELEPHONE TERMINAL. BOARD. RE: POWER PLANS FOR DETAILS.
-  12. (2) 2" EMPTY CONDUITS WITH PULL ROPS ROUTED TO BFG. STUB CONDUITS INTO PANEL "PM02" FOR FUTURE EV FEEDERS.
13. PROVIDE GFCI CIRCUIT BREAKERS AS SCHEDULED.
14. MOUNT ON CANOPY COLUMN 48" AFF.
15. MINI POWER ZONE PAD MOUNTED. PROVIDE (2) 1" SPARE CONDUITS STUBBED EAST AND CAPPED BELOW PARKING. MARK ENDS IN PAVING. IF WALL-MOUNTED UNIT IS UTILIZED, PROVIDE HOT-DIPPED GALVANIZED RACK WITH 36" DEEP FOOTINGS.
16. COORDINATE EXACT LOCATION OF POLE FOUNDATION IN PROXIMITY TO THE BUILDING WITH THE ARCHITECT.
17. FUTURE OGE PADMOUNT TRANSFORMER FOR BUS EV CHARGING SYSTEM.
18. FUTURE PAD FOR EV CHARGING SYSTEM EQUIPMENT.
19. CAP CONDUITS BELOW GRADE FOR FUTURE EXTENSION AND MARK ENDS WITH REBAR DRIVEN FLUSH WITH GRADE.
-  20. (3) 3" AND (3) 1.25" CONDUITS WITH PULL ROPS ROUTED 36" BFG TO TOP OF CONDUIT FOR FUTURE EV CHARGING SYSTEM. ROUTE (1) 3" AND (1) 1.25" TO EACH EV CHARGE PEDESTAL.
21. NEMA 3R DISCONNECT SWITCH LOCATED AS DIRECTED ON CONTRACT DOCUMENTS. THE HAZARDOUS AREA PROVIDE EMERGENCY POWER OFF (EPO) STATION WIRED TO SHUNT-TRIP CIRCUIT BREAKER ON UNISTRUT PEDESTAL WITH CONCRETE FOOTING ADJACENT TO PANEL "A02". COORDINATE EXACT EPO LOCATION WITH ARCHITECT.
22. MOTORIZED GATE OPERATOR. COORDINATE EXACT POWER AND CONTROL REQUIREMENTS WITH CLIENT PROVIDING GATE OPERATOR. ALL CONDUITS AND CIRCUITING AS INDICATED ON CONVERGENT SECURITY PLANS.
-  23.1" COMMUNICATIONS CONDUIT STUBBED UP AT CNG PAD PER DETAIL "D" THIS SHEET. ROUTE TO FLEET BAY SERVER ROOM WITHOUT ANY HORIZONTAL SWEEPS AND STUB-UP AT TELCO TERMINAL BOARD. COORDINATE EXACT STUB-UP LOCATION WITH CNG ARCHITECT.

| REVISIONS |          |                  |
|-----------|----------|------------------|
| NO.       | DATE     | DESCRIPTION      |
| 1         | 09/18/20 | ADD. NO. 2       |
| 4         | 11/24/20 | EV MODIFICATIONS |
| 5         | 12/10/20 | CNG/EV MODS      |

|                 |        |
|-----------------|--------|
| GSB PROJECT NO. | 191650 |
|-----------------|--------|

DRAWING TITLE  
ELECTRICAL SITE PLAN

|      |            |
|------|------------|
| DATE | 08/28/2020 |
|------|------------|

DRAWING NO.

E1-01



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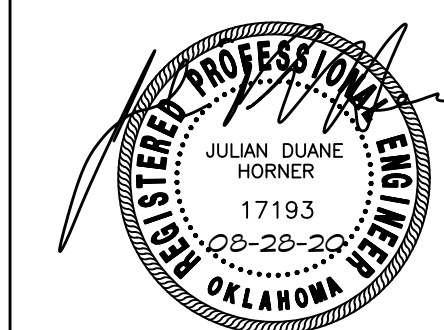
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1306 Commerce Dr., Norman, OH 75071  
Certificate of Authorization No. CA 35820, Expires 6/30/2022  
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**SUBCONTRACTOR WORK or**  
**X CONSTRUCTION MANAGER SELF PERFORMED WORK**

***Oakridge Builders a Division of Flintco, LLC/4G Concrete, Inc.***

Project Name/##: Norman North Base - Phase 1 20136 (Main Job) 

CE No: #001

CE Title: Revision 5 - Foundation Changes

CE Date: 1/21/2021

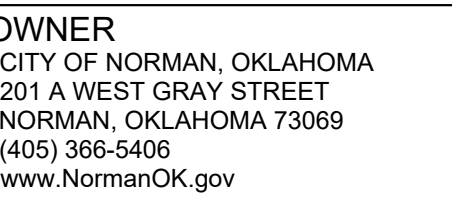
SUPPORTING DOCUMENTATION MUST BE ATTACHED







1. VERIFY ALL EXTERIOR WALL AND OPENING DIMENSIONS AND LOCATIONS WITH ARCHITECTURAL DRAWINGS.
2. M.B.C. DENOTES PRE-ENGINEERED METAL BUILDING COLUMN.

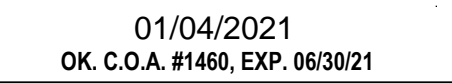
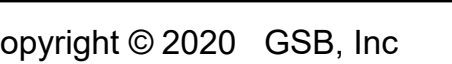


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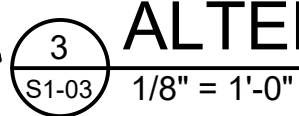
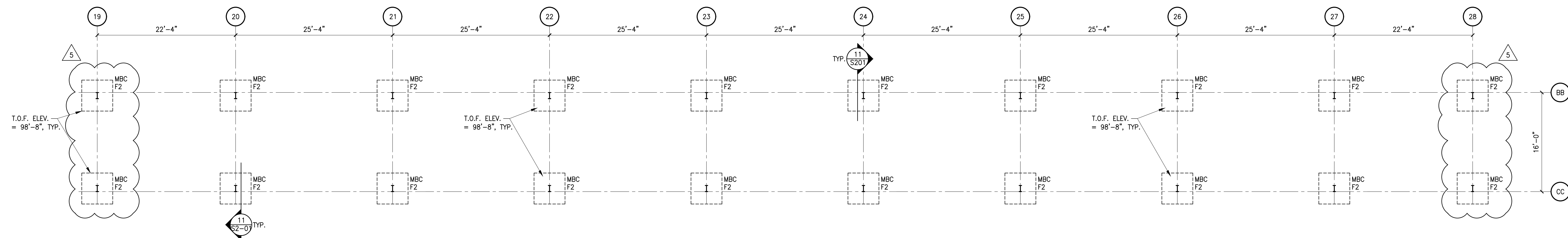
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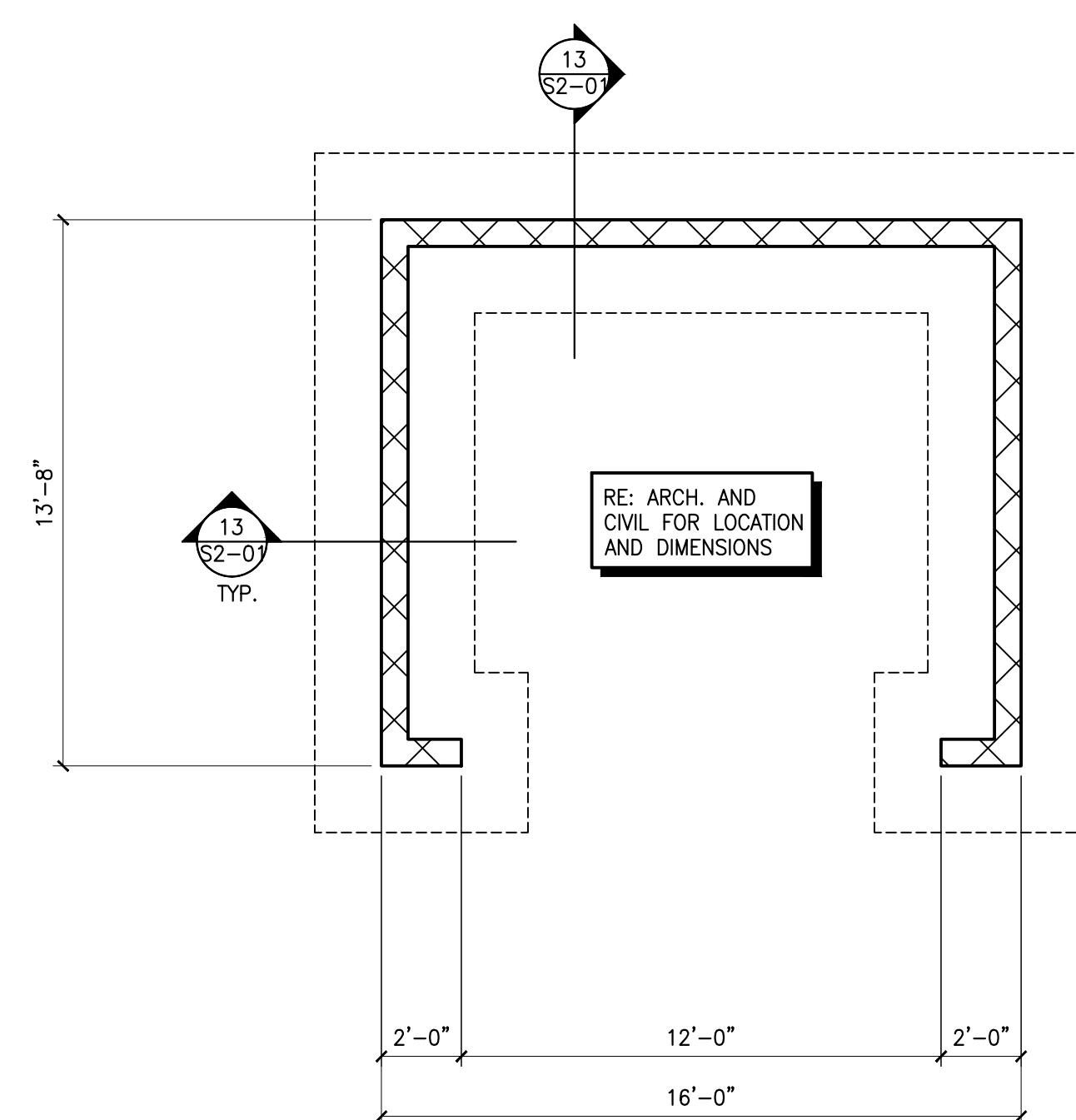
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DUMPSTER ENCLOSURE  
AND SHED STRUCTURE  
FOUNDATION PLANS

DRAWING NO.

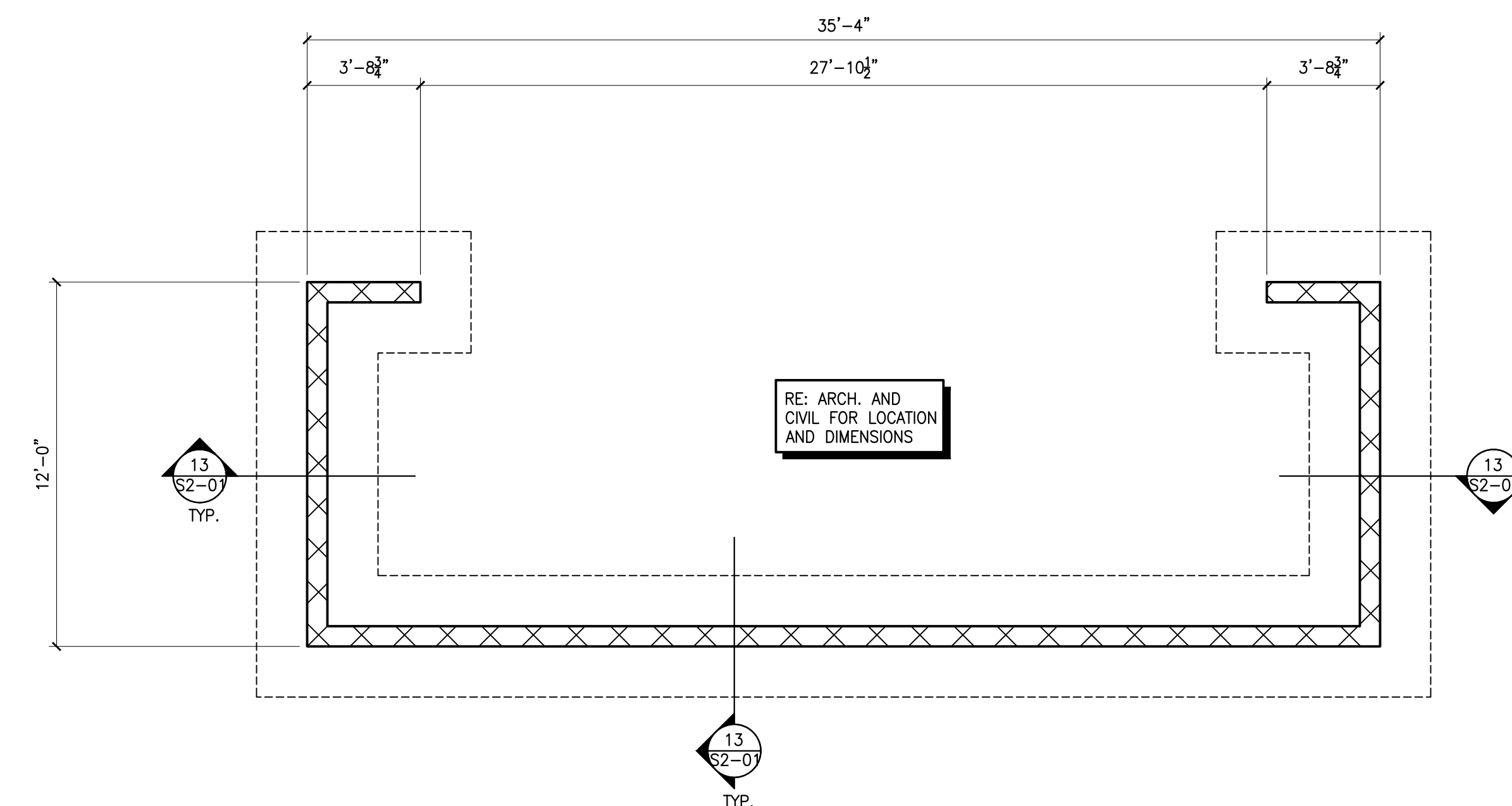
S1-03



ALTERNATE BID 01 - FOUNDATION PLAN - COVERED SHED



ALTERNATE BID 01 - FOUNDATION PLAN -  
PARKS MAINTENANCE DUMPSTER ENCLOSURE



BASE BID - FOUNDATION PLAN -  
FLEET MAINTENANCE DUMPSTER ENCLOSURE



SECTION AT CMU DUMPSTER ENCLOSURE



SECTION AT O.H. DOOR



2 COLUMN FOOTING DETAIL  
S2-01  $3/4" = 1'-0"$



1 CONTINUOUS WALL FOOTING DETAIL  
S2-01 3/4" = 1'-0"





## PROPOSED CHANGE ORDER SUMMARY

**Subcontractor Name (if applicable):**

***Oakridge Builders a Division of Flintco, LLC/4G Concrete, Inc.***

**SUBCONTRACTOR WORK or**  
**X CONSTRUCTION MANAGER SELF PERFORMED WORK**

THE CITY OF NORMAN

Project Name/#: Norman North Base - Phase 1 / 20146 (Alternate)

CE No: #001

CE Title: Revision 5 - Foundation Changes

CE Date: 1/21/2021

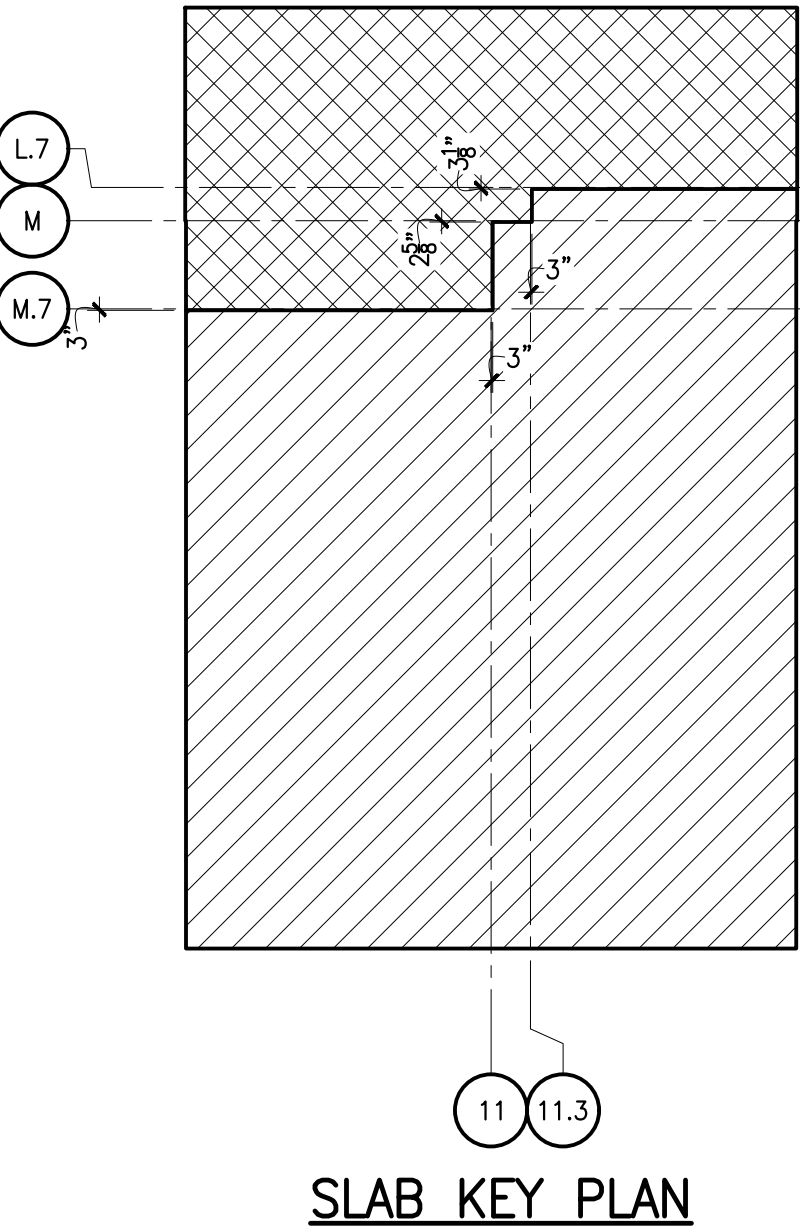
[illegible]

SUPPORTING DOCUMENTATION MUST BE ATTACHED



FOUNDATION PLAN NOTES

1. VERIFY ALL EXTERIOR WALL AND OPENING DIMENSIONS AND LOCATIONS WITH ARCHITECTURAL DRAWINGS.
2. REFER TO MECHANICAL DRAWINGS FOR DRAIN LOCATIONS AND SLAB DEPRESSIONS AT DRAINS.
3. M.B.C. DENOTES PRE-ENGINEERED METAL BUILDING COLUMN.
4. PROVIDE (2) #4x4'-0" BARS MID-SLAB AT ALL RE-ENTRANT CORNERS AS INDICATED ON PLAN.
5. RE: 13/S2-01 FOR GENERATOR PAD DETAIL.
6. RE: 14/S2-01 FOR SLAB REINFORCING AT BLOCKOUT.



LEGEND

- 4" SLAB (NON-VEHICULAR TRAFFIC), RE: S0-01 AND STRUCTURAL SPECIFICATION FOR INFORMATION ON CONCRETE MATERIAL, MIX DESIGN REQUIREMENTS AND CONSTRUCTION REQUIREMENTS.
- 7" SLAB (VEHICULAR TRAFFIC), RE: S0-01 AND STRUCTURAL SPECIFICATION FOR INFORMATION ON CONCRETE MATERIAL, MIX DESIGN REQUIREMENTS AND CONSTRUCTION REQUIREMENTS.



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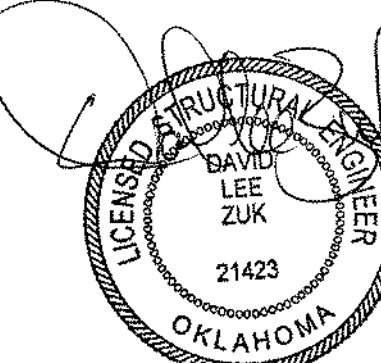
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Oklahoma City, OK 73112  
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F: 405.848.9783  
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01/04/2021  
OK, C.O.A. #1460, EXP. 06/30/21

REVISIONS

| NO. | DATE       | DESCRIPTION |
|-----|------------|-------------|
| 1   | 01/04/2021 | REVISION #5 |

GSB PROJECT NO.  
191650

DRAWING TITLE  
FOUNDATION AND  
MEZZANINE FRAMING PLAN -  
PARKS MAINTENANCE

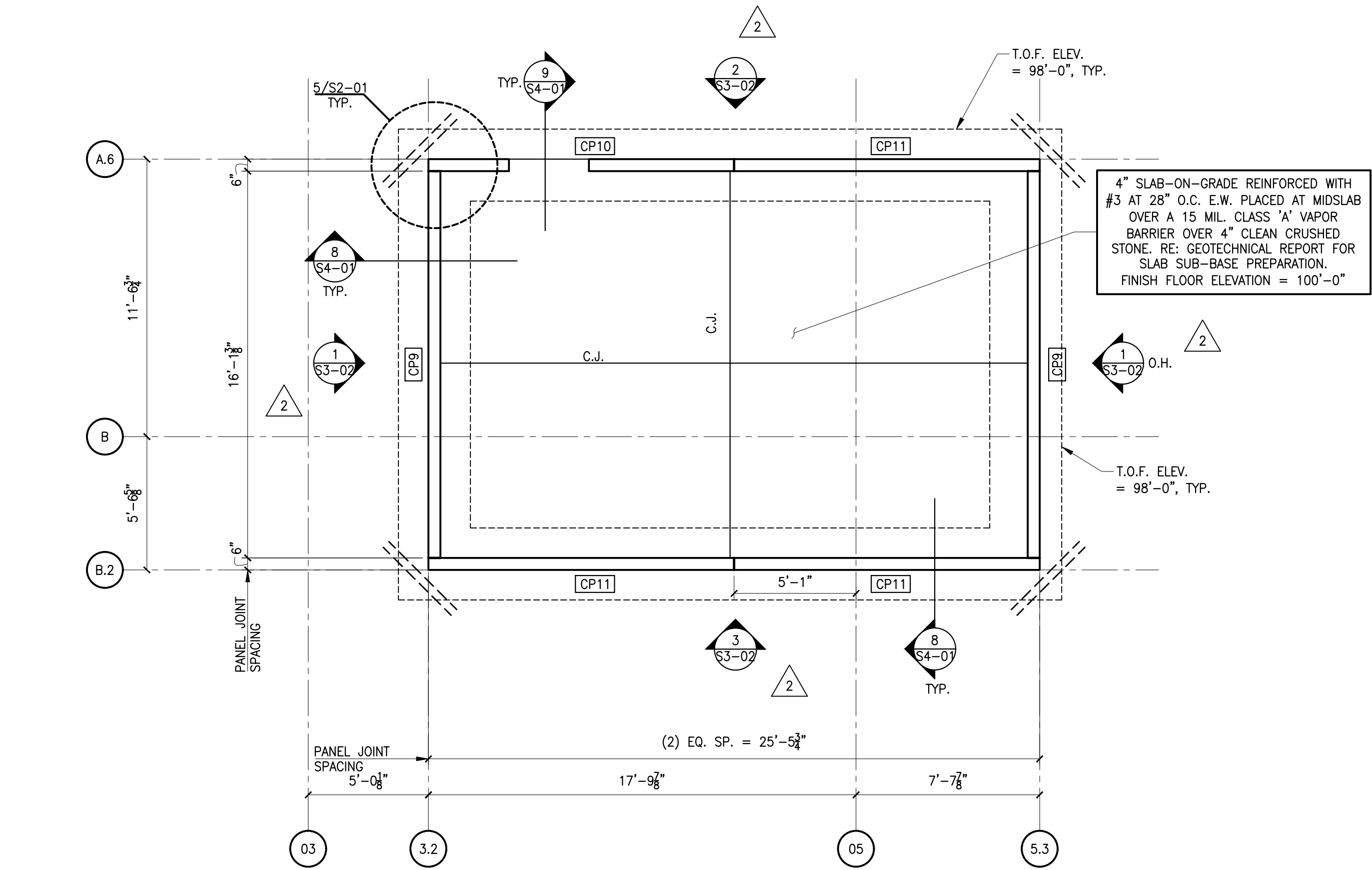
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08/28/2020

DRAWING NO.  
S1-02

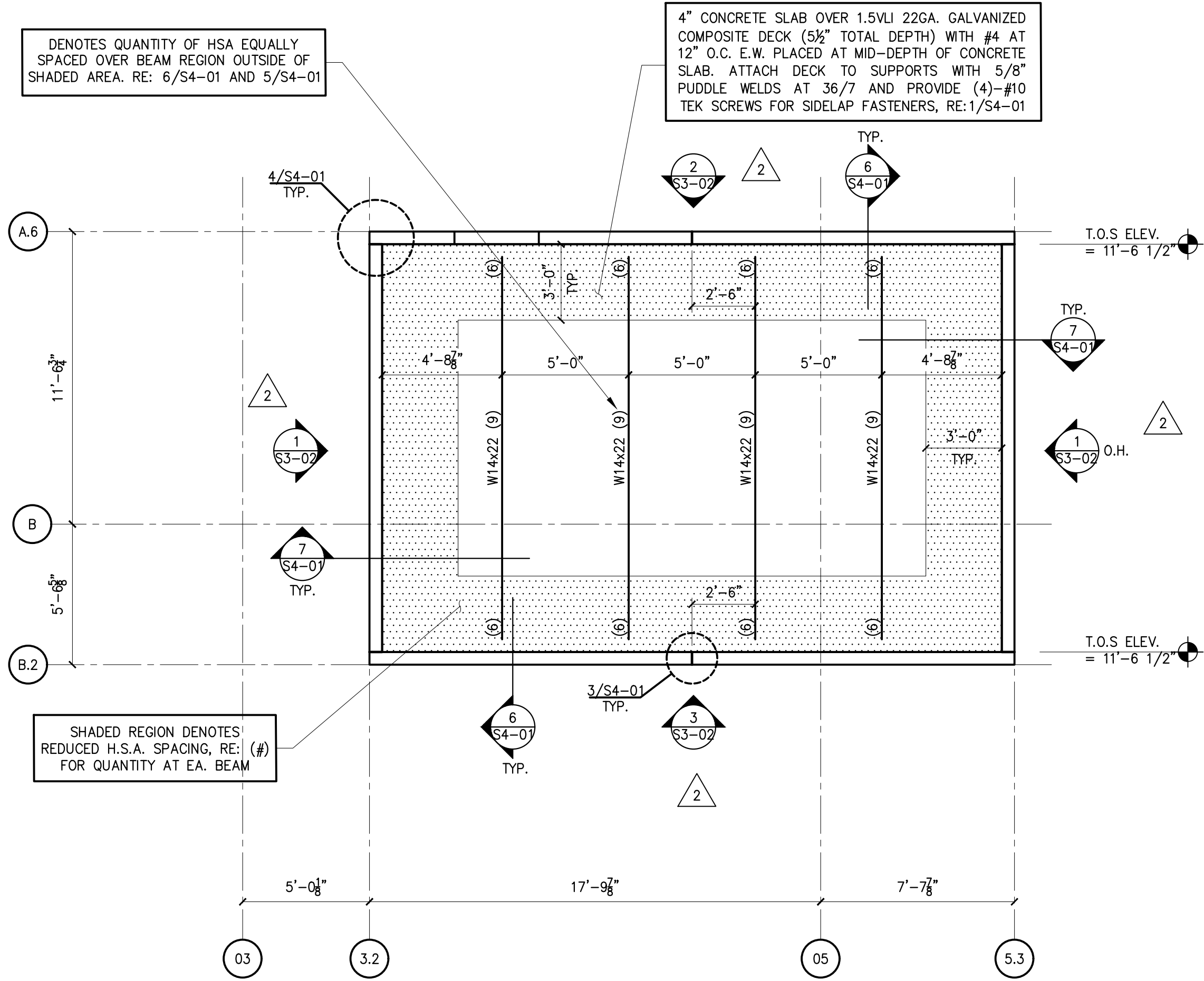
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S1-02  
1/8" = 1'-0"

2  
S1-02  
1/8" = 1'-0"

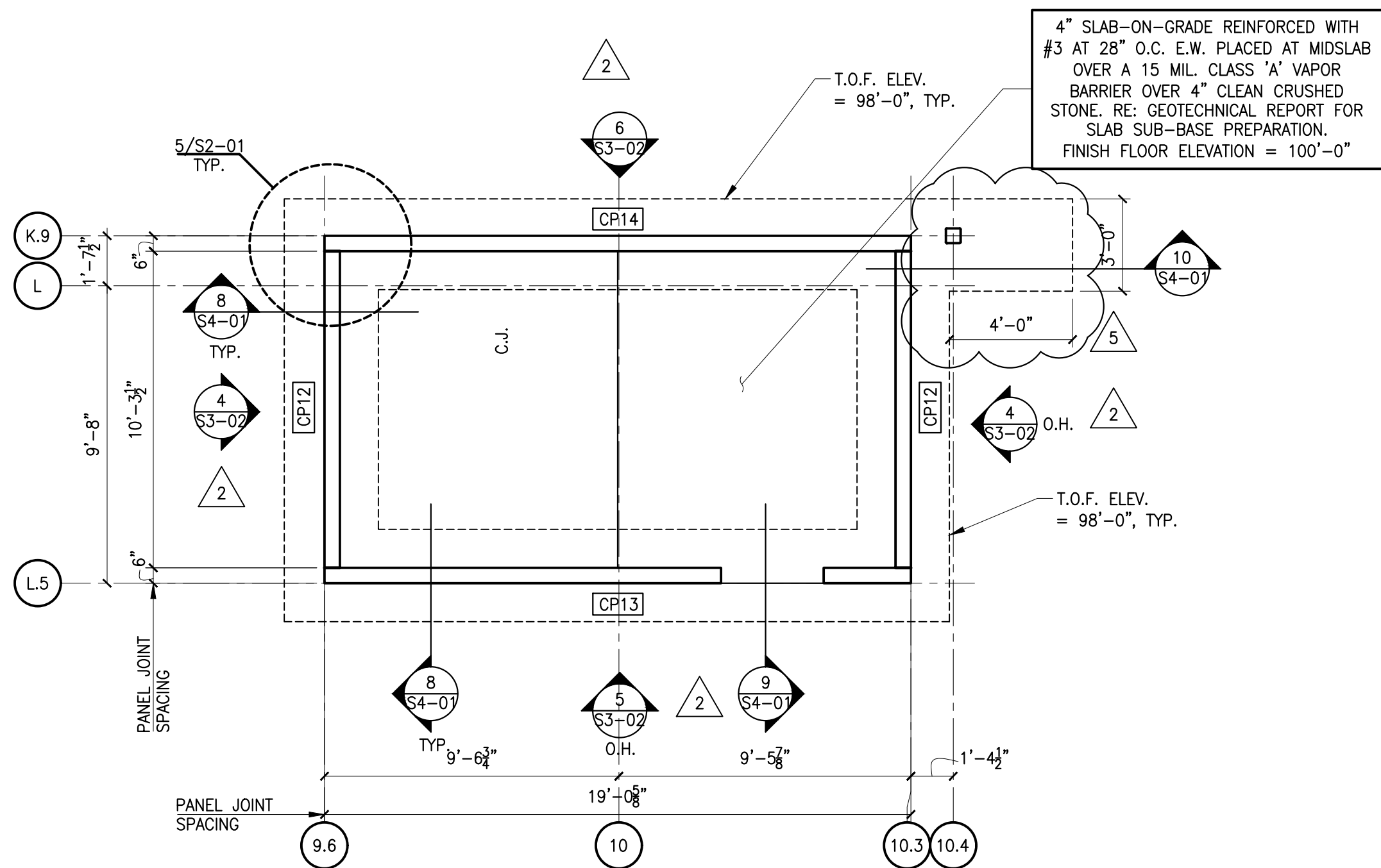
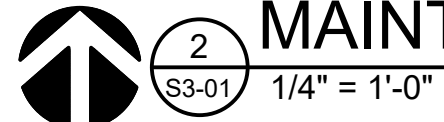




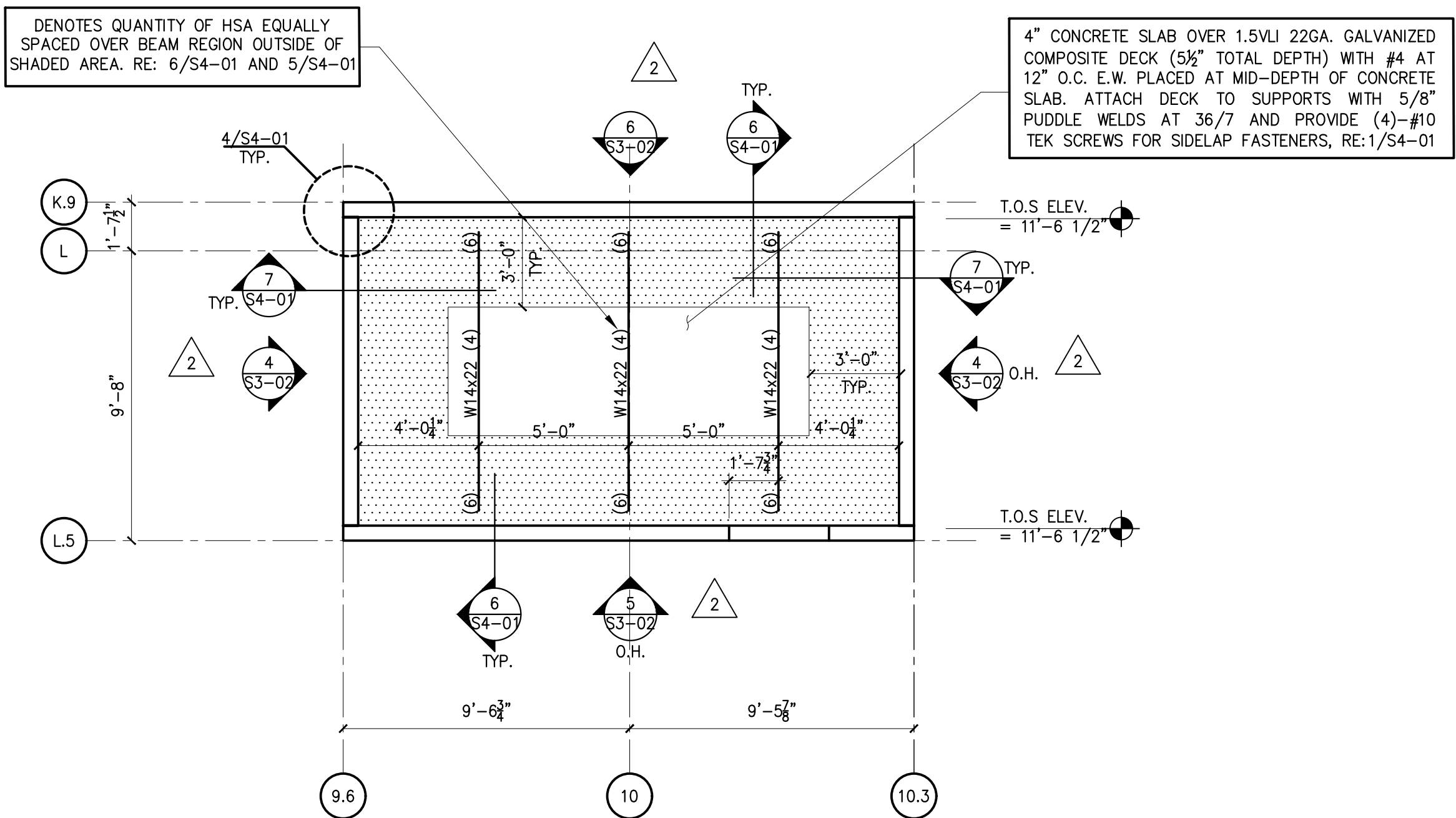
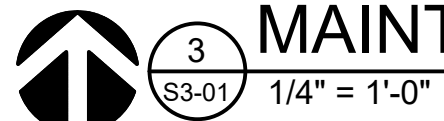
CONFERENCE ROOM / TRAINING FOUNDATION PLAN - FLEET MAINTENANCE



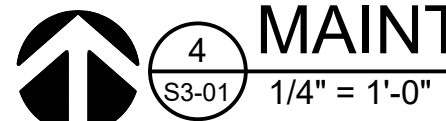
CONFERENCE ROOM / TRAINING FRAMING PLAN - FLEET MAINTENANCE



CONFERENCE ROOM / TRAINING FOUNDATION PLAN - PARKS MAINTENANCE



CONFERENCE ROOM / TRAINING FRAMING PLAN - PARKS MAINTENANCE



## CONFERENCE ROOM/TRAINING DESIGN PARAMETERS

- BUILDING CODE  
RISK CATEGORY  
GOVERNING CODE:  
ICC/NSA STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS  
2015 INTERNATIONAL BUILDING CODE  
II  
ICC/NSA 500-2014
- GRAVITY LOADS  
A. ROOF DEAD LOAD  
B. ROOF LIVE LOAD  
75 PSF  
100 PSF
- WIND DESIGN DATA  
A. BASIC WIND SPEED (3 SECOND GUST), V  
B. WIND EXPOSURE CATEGORY  
C. TOPOGRAPHIC Kzt  
D. DIRECTIONALITY FACTOR, Kd  
E. INTERNAL PRESSURE COEFFICIENT, Gcpi  
F. MFRS WIND PRESSURE ON PRIMARY STRUCTURE  
1.) (WINDWARD + LEeward) (1.0W)  
G. DESIGN WIND PRESSURE ON COMPONENTS AND CLADDING  
250 MPH  
C  
1.0  
1.0  
±0.55  
150 PSF

| ROOF PRESSURES (1.0W)    |             |             | WALL PRESSURES (1.0W)    |             |             |
|--------------------------|-------------|-------------|--------------------------|-------------|-------------|
| EFFECTIVE TRIBUTARY AREA |             |             | EFFECTIVE TRIBUTARY AREA |             |             |
| 50 SQ. FT.               | 100 SQ. FT. | 150 SQ. FT. | 50 SQ. FT.               | 100 SQ. FT. | 150 SQ. FT. |
| ZONE 1                   | 201 PSF     | 197 PSF     | ZONE 4                   | 194 PSF     | 188 PSF     |
| ZONE 2                   | 253 PSF     | 224 PSF     | ZONE 5                   | 216 PSF     | 203 PSF     |
| ZONE 3                   | 294 PSF     | 224 PSF     |                          |             |             |

- NOTES:
- RE: ASCE 7-10 FIGURES 30.4-1 AND 30.4-2A
  - REFER TO CODE FOR EFFECTIVE TRIBUTARY AREAS NOT LISTED
  - PRESSURES NOTED ABOVE ARE TO BE CONSIDERED ACTING TOWARD AND AWAY FOR THE NOTED SURFACE
  - WIDTH OF END ZONE  
3.0 FT
  - EARTHQUAKE DESIGN DATA  
A. SEISMIC IMPORTANCE FACTOR, I  
B. MAPPED SPECTRAL RESPONSE ACCELERATION, Ss  
C. MAPPED SPECTRAL RESPONSE ACCELERATION, S1  
D. SITE CLASS  
E. SPECTRAL RESPONSE COEFFICIENT, Sds  
F. SPECTRAL RESPONSE COEFFICIENT, Sd1  
G. SEISMIC DESIGN CATEGORY  
H. STRUCTURAL SYSTEM  
1.) BASIC SEISMIC FORCE-RESISTING SYSTEM  
2.) VERTICAL ELEMENT TYPE  
3.) DESIGN BASE SHEAR, (1.0E)  
4.) RESPONSE MODIFICATION FACTOR  
ANALYSIS PROCEDURE
  - 1.0  
27.22g  
7.92g  
D  
0.287  
0.126  
B  
--  
BEARING WALL SYSTEMS  
ORDINARY REINFORCED CONCRETE  
SHEAR WALLS  
0.072W  
4  
EQUVALENT LATERAL FORCE

### CONFERENCE ROOM/TRAINING STRUCTURAL GENERAL NOTES:

- PRIOR TO CONSTRUCTION A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE ARCHITECT, ENGINEER OF RECORD, GENERAL CONTRACTOR, THE FOREMEN FROM EACH RELATED SUB-CONTRACTOR, AND AWARDED TESTING AGENCY. THE AGENDA IS TO INCLUDE A DISCUSSION OF CONFERENCE ROOM/TRAINING CONSTRUCTION QUALITY ASSURANCE PLAN IN ACCORDANCE WITH THE ICC 500-2014 SECTION 107.3.1 AND 107.3.2.
- IN ACCORDANCE WITH SECTION 107.3.3 OF THE ICC 500-2014, CONTRACTORS RESPONSIBLE FOR THE CONSTRUCTION OF THE CONFERENCE ROOM/TRAINING SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE ARCHITECT/HAVING JURISDICTION, ENGINEER OF RECORD, AND OWNER PRIOR TO THE COMMENCEMENT OF WORK.
- DURING CONSTRUCTION OF THE CONFERENCE ROOM/TRAINING, THE OWNER SHALL EMPLOY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OKLAHOMA TO CONDUCT VISUAL OBSERVATIONS OF THE CONSTRUCTION OF STRUCTURAL SYSTEMS FOR CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS AT SIGNIFICANT CONSTRUCTION STAGES AND AT THE COMPLETION OF THE CONSTRUCTION OF STRUCTURAL SYSTEMS. THE REGISTERED DESIGN ENGINEER WHO MADE THE STRUCTURAL OBSERVATIONS SHALL SUBMIT A WRITTEN LETTER STATING THE SITE VISITS HAVE BEEN MADE AND REPORTING ALL OUTSTANDING DEFICIENCIES PER ICC/NSA 500-2014 SECTION 106.4. SIGNIFICANT STAGES OF CONSTRUCTION ARE AS FOLLOWS:  
A. INSTALLATION OF FOUNDATION REINFORCING PRIOR TO POURING OF CONCRETE.  
B. INSTALLATION OF WALL PANEL REINFORCING PRIOR TO ANY CONCRETE POURING OF THE TILT-UP WALL PANELS. OBSERVATION IS REQUIRED AT EACH WALL PANEL PRIOR TO ANY CONCRETE POUR.  
C. INSTALLATION OF DECK SLAB REINFORCING PRIOR TO POURING OF CONCRETE.  
REINFORCING OBSERVATIONS ARE TO REVIEW ITEMS LISTED HEREIN BUT ARE NOT LIMITED TO: REINFORCEMENT SIZES AND QUANTITIES, REINFORCING LAP LENGTHS AND LOCATIONS, BAR POSITIONERS AND PROPER BAR LOCATIONS INCLUDING JAMB REINFORCING.  
STRUCTURAL OBSERVATIONS ARE IN ADDITIONAL TO SPECIAL INSPECTIONS CONDUCTED BY THE AWARDED TESTING AGENCY. STRUCTURAL OBSERVATIONS DO NOT SERVE AS OR ELIMINATE THE REQUIREMENT FOR SPECIAL INSPECTIONS AS SUMMARIZED IN THE GENERAL NOTES AND REQUIRED BY IBC 2015.
- ALL OPENINGS IN ROOF AND WALLS ARE PROTECTED BY STEEL SHROUDS OR CONCRETE BARRIERS THAT MEET THE WIND PRESSURE AND PROJECTILE REQUIREMENTS OF THE ICC 500-2014.
- DOORS SHALL MEET THE REQUIRED DEBRIS IMPACT TEST MISSILE CRITERIA FOR A 15 POUND SAWN LUMBER 2x4 TRAVELING AT A SPEED OF 100 MPH FOR VERTICAL SURFACES USING THE REQUIRED TEST METHODS OF CHAPTER 8 OF ICC 500-2014.
- QUALITY ASSURANCE PLAN: REFER TO SHEET 50-01 & 50-02 FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS AND REQUIREMENTS.
- CONTRACTOR RESPONSIBILITY: GENERAL CONTRACTOR, AND RELATED SUBCONTRACTORS RESPONSIBLE FOR CONSTRUCTION OF THE MAIN WIND FORCE RESISTING SYTEM, EXTERIOR COMPONENTS, AND CRITICAL SUPPORT SYSTEMS FOR THE STRUCTURE SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY PRIOR TO COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT AS REQUIRED IN SECTION 107.3.3 OF THE ICC 500-2014. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN:  
A. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE QUALITY ASSURANCE PLAN.  
B. ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN COMPLIANCE WITH CONSTRUCTION DOCUMENTS.  
C. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF REPORTS.  
D. IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATIONS.  
E. THIS REQUIREMENT CAN BE MET FOR PREFABRICATED OR PANELIZED CONFERENCE ROOM/TRAINING COMPONENTS WHICH HAVE BEEN INSPECTED AND LABELED BY AN APPROVED AGENCY MEETING THE REQUIREMENTS OF THE BUILDING CODE AND ICC 500-2014.
- SPECIAL INSPECTION SHALL BE CONDUCTED ON ALL POST-INSTALLED ANCHORS IN CONFERENCE ROOM/TRAINING.



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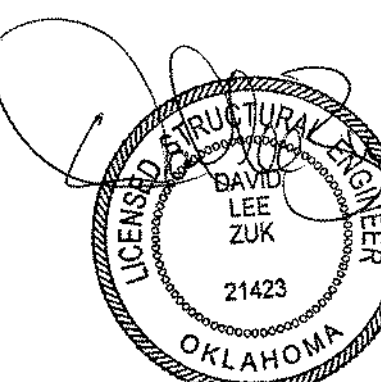
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| REVISIONS |            |             |
|-----------|------------|-------------|
| NO.       | DATE       | DESCRIPTION |
| 1         | 09/18/2020 | ADDENDUM #2 |
| 2         | 01/04/2021 | REVISION #5 |

GSB PROJECT NO.  
191650

**DRAWING TITLE:**  
CONFERENCE ROOM  
FOUNDATION AND  
FRAMING PLANS

DATE  
08/28/2020

DRAWING NO.

**S3-01**







**REVISION 6**



# H & H Plumbing & Utilities, Inc.

Lic. No.  
OK 02653

381 W. Adkins Hill Road, Norman, OK 73072-9218  
(405) 288-2346 (405) 288-2349 FAX

Sheet ( 1 ) of ( 1 )

|                                  |   |  |
|----------------------------------|---|--|
| Contractor: <u>Flintco, LLC</u>  | Ph.#: <u>670-6307</u>                   | Project: <u>North Base Complex Phase 1</u> |
| Address: <u>2302 S. Prospect</u> | Fax #: <u>670-6568</u>                  | Address: <u>1310 - 1380 Da Vinci St.</u>   |
| <u>Oklahoma City, OK 73129</u>   | Email: <u>okcestimating@flintco.com</u> | <u>Norman, OK 73071</u>                    |

Labor, materials, taxes, permits, staking, and maintenance bonds for a complete **Site Utility** installation as described on the plans and outlined below.

## Water Lowering for Storm

| ITEM #                               | ITEM                         | UNIT | Qty | PRICE  | TOTAL            |
|--------------------------------------|------------------------------|------|-----|--------|------------------|
| 1                                    | 8" C-900 DR14 PVC water pipe | LF   | 40  | 30.00  | 1,200.00         |
| 2                                    | 8" x 45° Bend ( Vertical )   | EA   | 8   | 875.00 | 7,000.00         |
| 3                                    | Sand bedding & backfill      | CY   | 10  | 20.00  | 200.00           |
|                                      |                              |      |     |        | <b>8,400.00</b>  |
| After hours work                     |                              |      |     |        | <b>1,500.00</b>  |
| Maintenance bonds (Water & Sanitary) |                              |      |     |        | <b>125.00</b>    |
|                                      |                              |      |     |        | <b>10,025.00</b> |

## Spoils Removal from Site

CY -

## Scope of Work Excludes

Sewer & water meter impact fees  
Spoils removal from site (If required **Add \$00.00** to the price.)  
Payment & performance bonds (If required our rate is 1.44%.)  
Cost for relocation of any existing utility lines for this installation to go in

**Contract Amount** **\$ 10,025.00**

|                                     |                               |                        |
|-------------------------------------|-------------------------------|------------------------|
| Submitted By: <u>Jason Lawrance</u> | Title: <u>Project Manager</u> | Date: <u>1/27/2021</u> |
| Accepted By: _____                  | Title: _____                  | Date: _____            |





Flintco LLC (40-000)  
2302 South Prospect  
Oklahoma City, Oklahoma 73129  
Phone: (405) 670-6307

Project: 20136 - City of Norman - North Base Complex Phase 1  
1310-1380 DA Vinci Street  
Norman, Oklahoma 73069

## Storm Sewer Constraints

|                  |   |                  |   |
|------------------|---|------------------|---|
| TO:              | Michael Segroves<br>GSB, Inc.<br>3555 NW 58th Street, Suite 700W<br>Oklahoma City, Oklahoma 73112 | FROM:            | Zack Blair<br>Flintco, LLC - OKC<br>2302 S. Prospect<br>Oklahoma City, Oklahoma 73129 |
| DATE INITIATED:  | 01/15/2021  | STATUS:          | Open  |
| REFERENCE:       |   | DUE DATE:        | 01/26/2021  |
| COST IMPACT:     | Yes (Unknown)   | SCHEDULE IMPACT: | Yes (Unknown)   |
| DRAWING NUMBER:  | ST5   |                  |   |
| LINKED DRAWINGS: |   | RECEIVED FROM:   | Jason Lawrance (H & H Plumbing & Utilities, Inc.)                                     |

### COPIES TO:

Carolyn Bennett (GSB, Inc.), Paul D'Andrea (City of Norman), Geoff Evans (Planning Design Group), Phillip Gunderson (Flintco, LLC - OKC), Sarah Hendrickson (ADG), Randy Hill (ADG), Cory Rackley (Flintco, LLC - OKC), David Stanton (GSB, Inc.), David Stapp (Flintco, LLC - OKC), Ethan Treisa (Flintco, LLC - OKC)

### Question from Zack Blair (Flintco, LLC - OKC) at 04:22 PM on 01/15/2021

Reference Civil sheets ST5, ST6, and attached sketch SK1

As detailed in the attached sketch, the existing 8" city water main is conflicting with storm lines "B" and "C".

For storm sewer line B, the conflict occurs between structures B02 and B03, and also conflicts between structures B03 and B04, since the water main is running at a diagonal. At each conflict, top of storm pipe is approximately 1176.95' and the top of the 8" water main is at 1176.82'. If this storm pipe was to raise to avoid the water main, then the existing storm line would not be able to be picked up due to its existing elevation.

For storm sewer line C, The conflict occurs between structures C01 and A02. At this conflict, the top of storm sewer pipe is at elevation 1177.36', and the top of the 8" water main is at 1176.82'. If the storm pipe changed elevations, it would then be conflicting with a phone line.

Proposed solution for all conflicts: Lower the city water main to avoid storm sewer. Please confirm this solution is acceptable and advise if this work will be completed by the City of Norman or if it should be an add to the contract. If added to Flintco's scope, please advise desired elevation for water main.

### Attachments:

[RFI 019 - SK1.pdf](#)

### Official Response

Awaiting an Official Response

### All Replies:

Johnson & Associates has reviewed the documents supplied with the RFI.

Johnson & Associates agrees with the proposed solution to lower the water lines at the conflicting locations.

A minimum clearance of 2 feet shall be maintain at these locations between storm sewer and water lines.

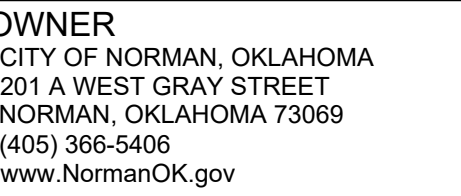
Discussion needs to occur between the City of Norman and the Design Team's point of contact to discuss how this will be paid for.

As noted in the RFI, will the work be by change order under the existing contract with contractor and the City of Norman or will the City of Norman perform this work.



ST5





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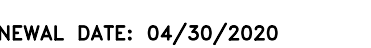
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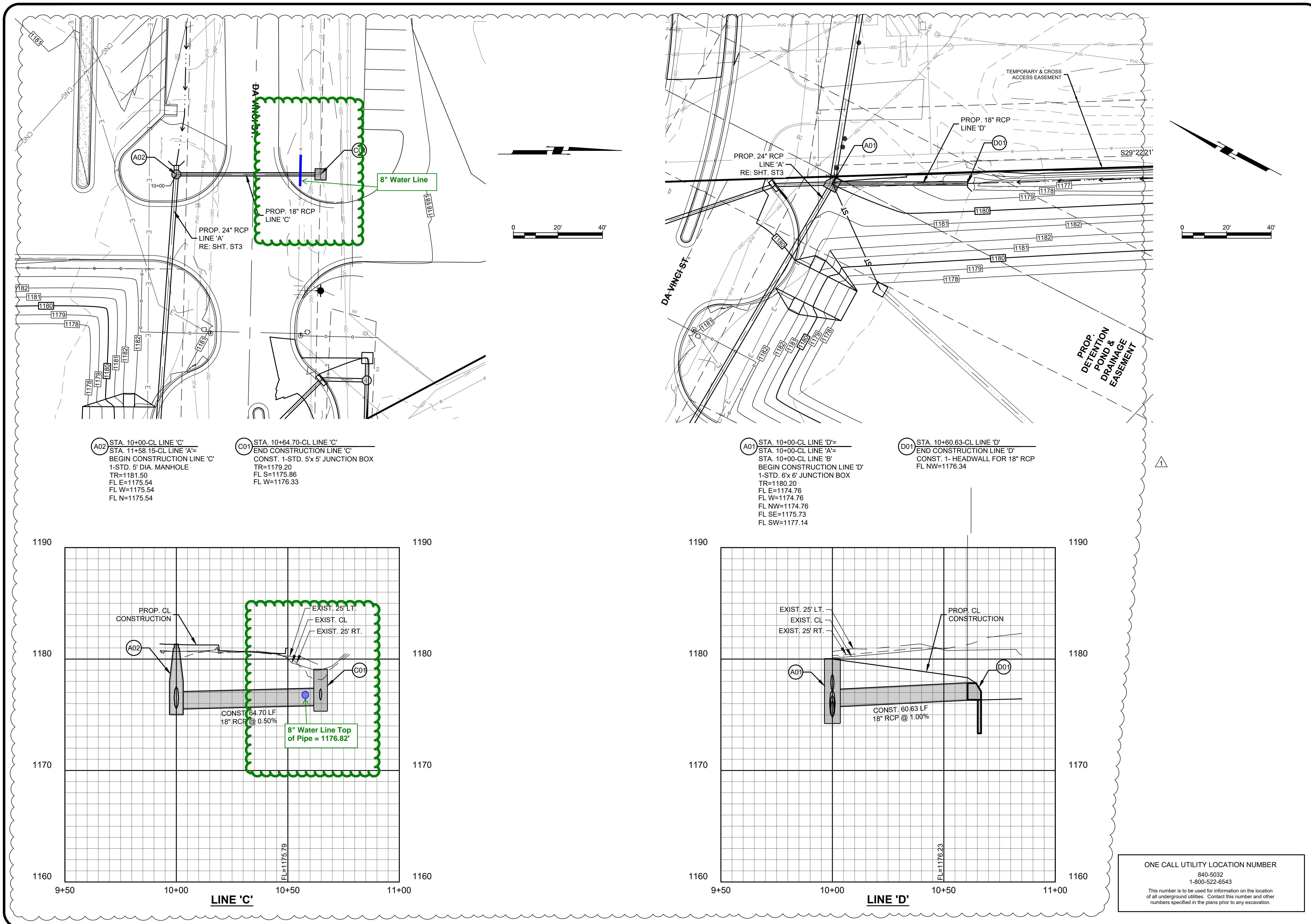
SB PROJECT NO.  
191650

DRAWING TITLE  
PRIVATE STORM  
SEWER PLAN &  
PROFILE LINES

DATE 4-28-20

DRAWING NO.

# ST6

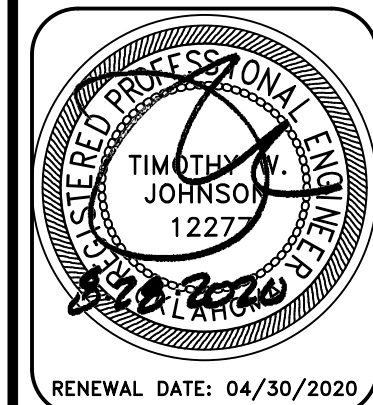


CITY OF NORMAN - NORTH BASE COMPLEX PHASE 1

PV-

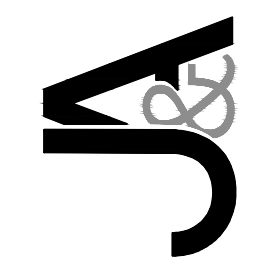
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| <b>REVISIONS</b> |                    |             |
|------------------|--------------------|-------------|
| <b>NO.</b>       | <b>DESCRIPTION</b> | <b>DATE</b> |
| A                | ADDENDUM #1        | 09-08-20    |
|                  |                    |             |
|                  |                    |             |
|                  |                    |             |
|                  |                    |             |



RENEWAL DATE: 04/30/2020

**Johnson & Associates, Inc.**  
1 E. Sheridan Ave., Suite 200  
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405-235-8075 FAX 405-235-8078 www.jaokc.com  
Certificate of Authorization #1484 Exp. Date: 06-30-2021



CITY OF NORMAN - NORTH  
BASE COMPLEX PHASE 1  
NORMAN, CLEVELAND COUNTY, OKLAHOMA

PRIVATE STORM SEWER PLAN & PRO  
LINES 'C' & 'D'

Proj. No.: PV-  
 Date: 08-28-20  
 Scale: (Horiz.) 1"=20'  
 (Vert.) 1"= 4'  
 Checked By: \_\_\_\_\_  
 Approved By: \_\_\_\_\_

SHEET NUMBER  
**ST6**

ACAD FILE: H14221422-5TORM.dwg    09/09/2020 3:30 PM, Christie Stone  
 USER: cstone    CADD: cstone    PLOT: cstone    PLOTTING: cstone









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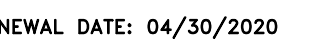
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[illegible]

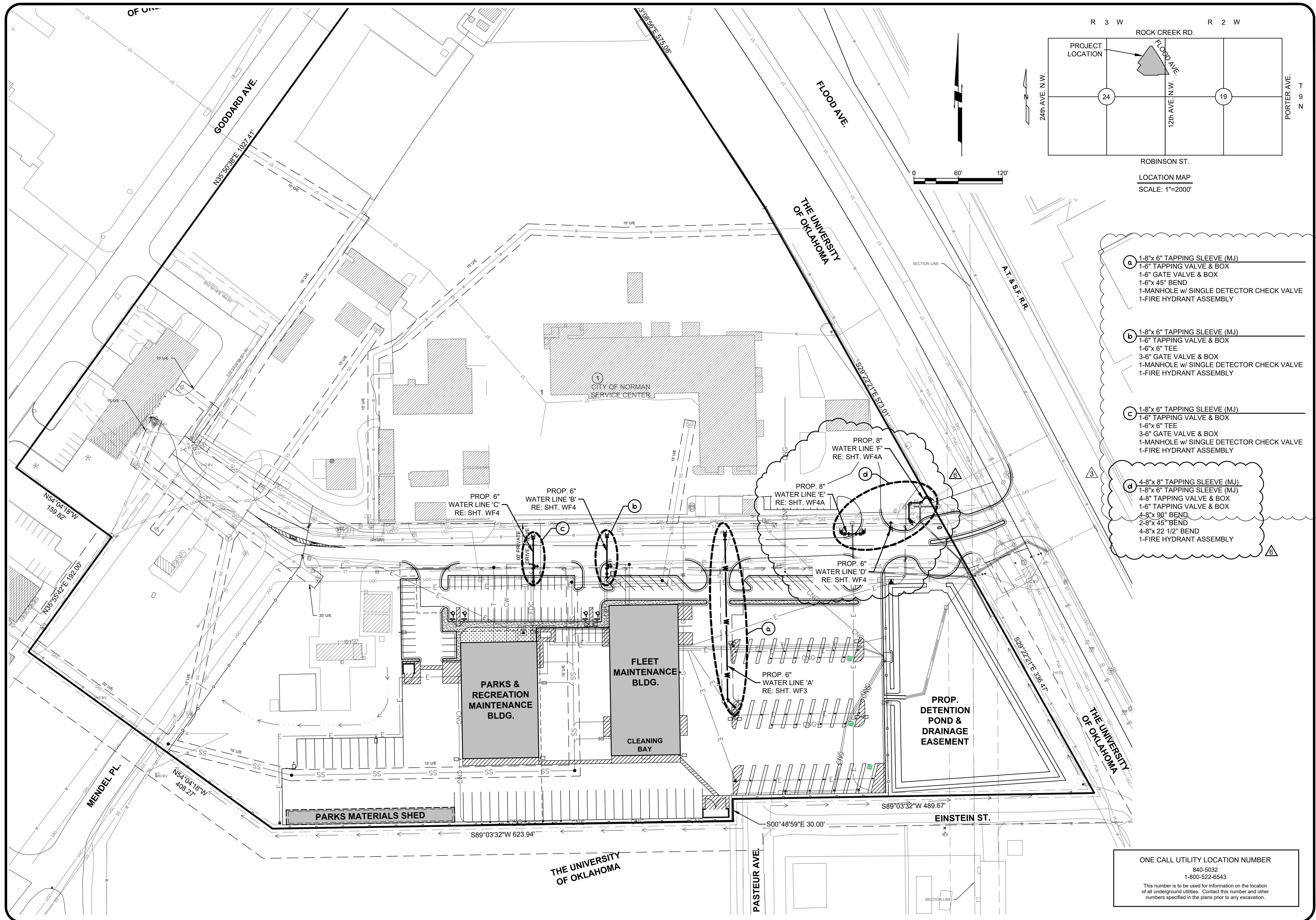
SB PROJECT NO.  
191650

DRAWING TITLE  
PUBLIC WATER LINE  
GENERAL LAYOUT

DATE 4-28-20

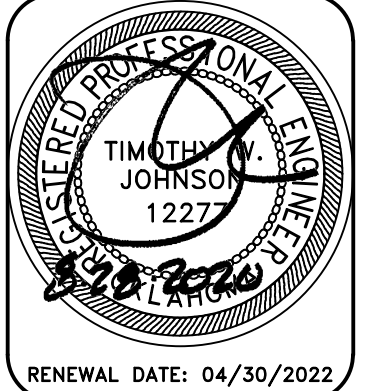
DRAWING NO.

## WF2

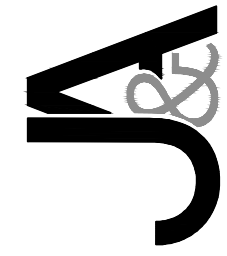


CITY OF NORMAN - NORTH BASE COMPLEX PHASE 1

| REVISIONS |             |          |
|-----------|-------------|----------|
| NO.       | DESCRIPTION | DATE     |
| 1         | REVISION #3 | 10-09-20 |
| 2         | REVISION #6 | 01-22-21 |
|           |             |          |
|           |             |          |
|           |             |          |



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COMPLEX PHASE 1  
NORMAN, CLEVELAND COUNTY, OKLAHOMA  
PUBLIC WATER LINE GENERAL LAYOUT

Proj. No.: \_\_\_\_\_  
Date: 08-28-20\_\_\_\_  
Scale: 1"=60'

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

**SHEET NUMBER**

WF2

SB PROJECT NO.  
191650

DRAWING TITLE  
PUBLIC WATER LINE  
GENERAL LAYOUT

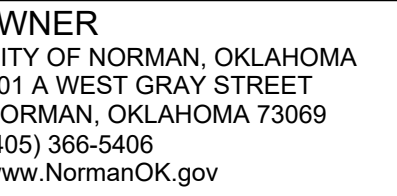
DATE 4-28-20

DRAWING NO.



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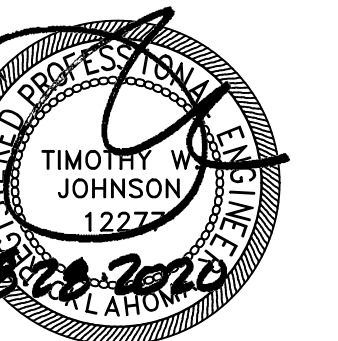
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1310-1380 DA VINCI STREET  
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RENEWAL DATE: 04/30/2020

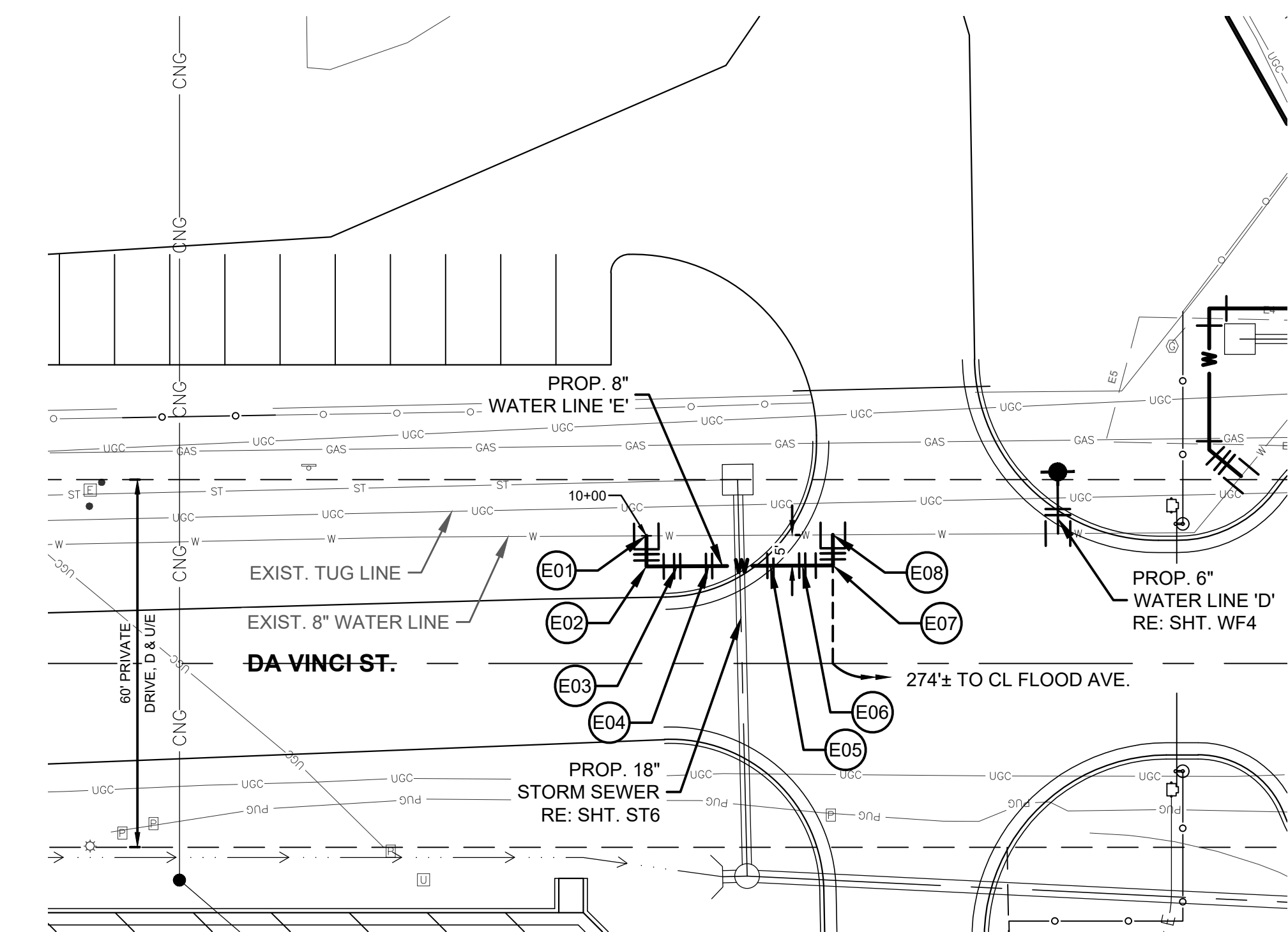
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SB PROJECT NO.  
191650

DRAWING TITLE  
PUBLIC WATER LINE  
PLAN & PROFILE  
LINES 'E' & 'F'

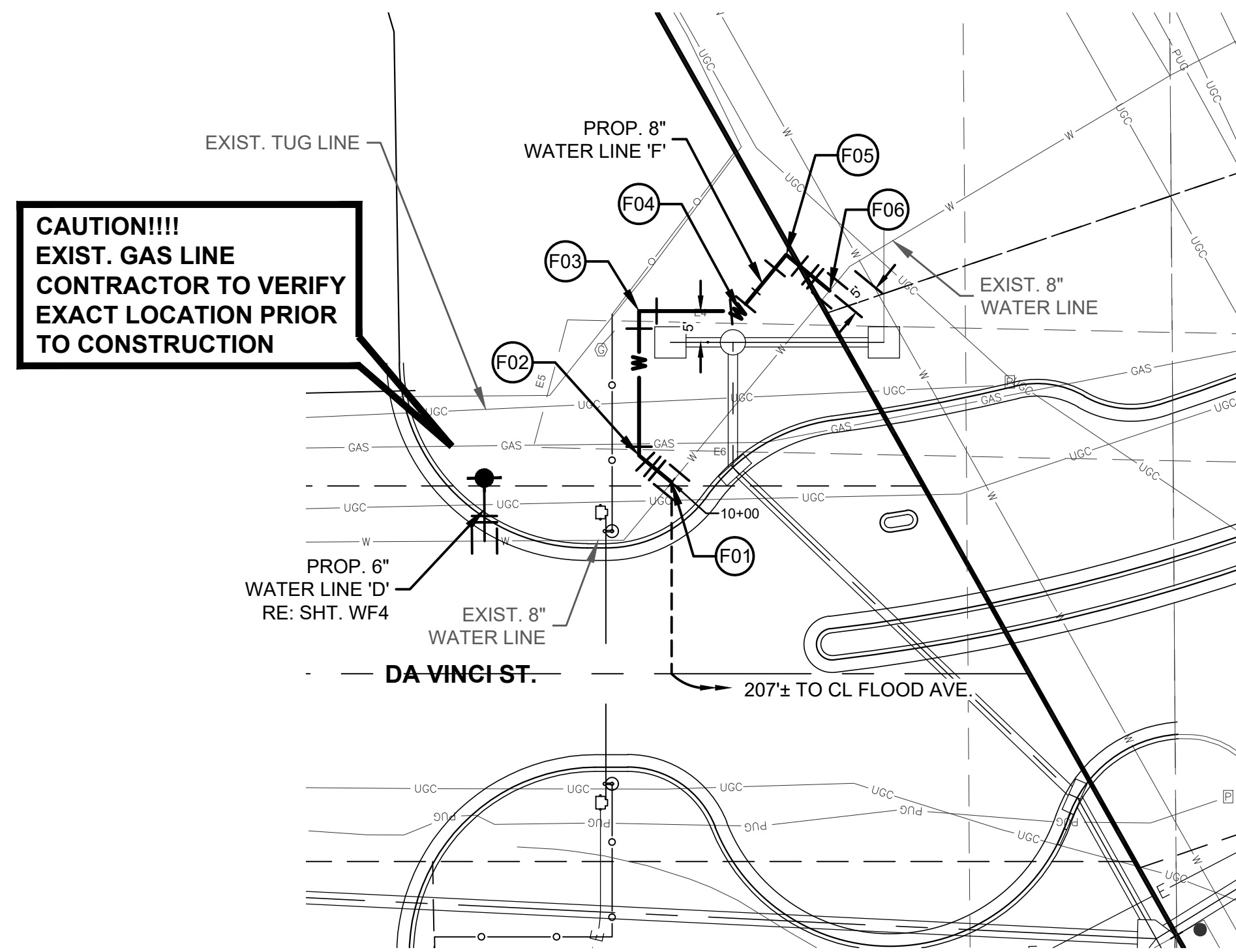
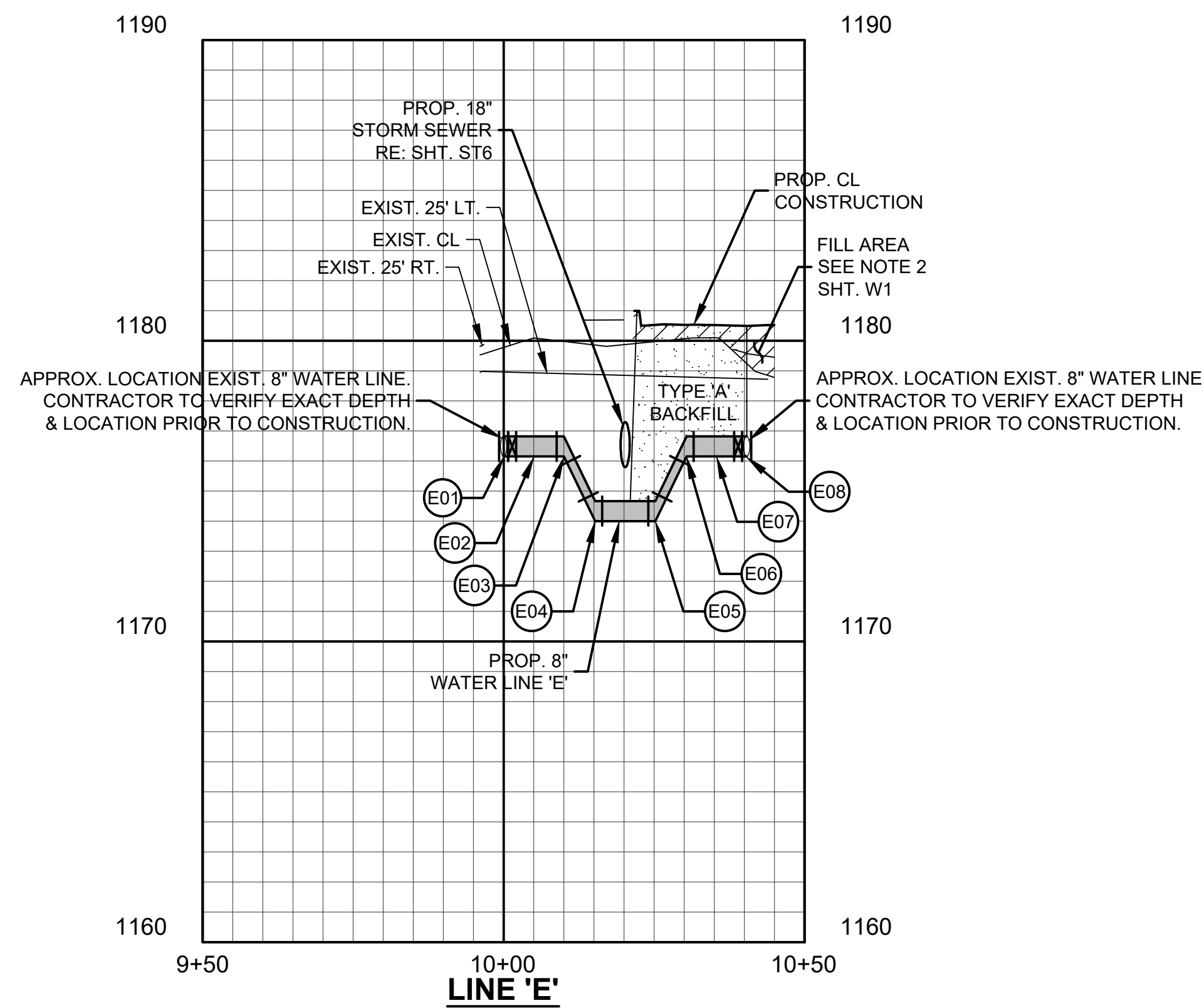
TE  
28-20

DRAWING NO.



- |  |   |  |  |
|--|---|--|--|
| <b>(E01)</b> STA. 10+00-CL LINE 'E'<br>CONST. 1.8"x8" TAPPING SLEEVE (MJ)<br>1-8" TAPPING VALVE & BOX<br>1-8" CAP<br>N=695762.07<br>E=2129861.60<br>FL=1176.10 | <b>(E03)</b> STA. 10+10-CL LINE 'E'<br>CONST. 1.8"x8 22 1/2" BEND (VERT.)<br>FL=1176.10 | <b>(E08)</b> STA. 10+25-20-CL LINE 'E'<br>CONST. 1.8"x8 22 1/2" BEND (VERT.)<br>FL=1174.00 | <b>(E07)</b> STA. 10+35-40-CL LINE 'E'<br>CONST. 1.8"x90" BEND<br>FL=1176.10 |
|--|---|--|--|

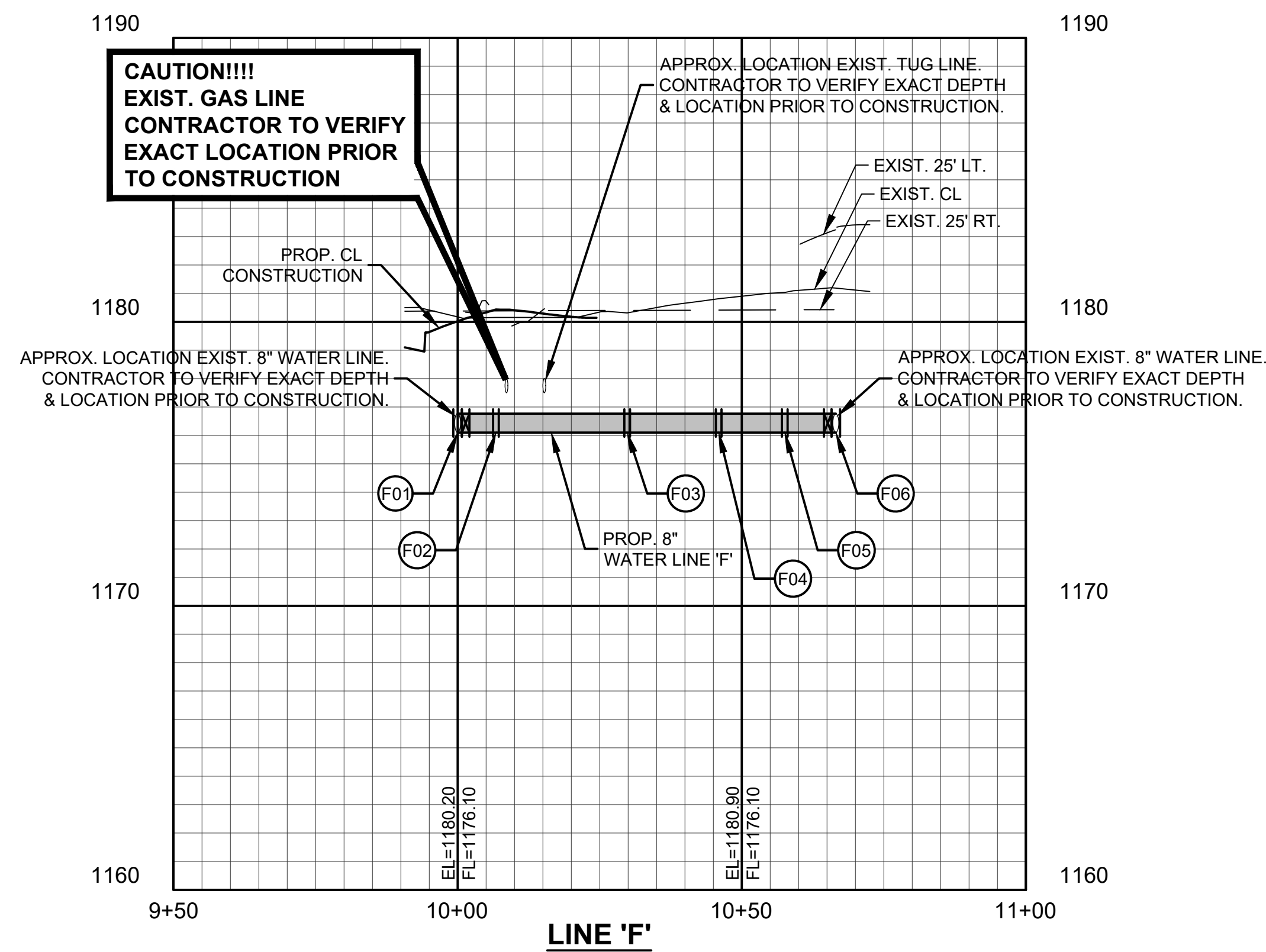
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| <p><b>E02</b> STA. 10+05-CL LINE 'E'<br/>CONST. 1-8"x 90" BEND<br/>FL=1176.10</p> | <p><b>E04</b> STA. 10+15-20-CL LINE 'E'<br/>CONST. 1-8"x 22 1/2" BEND (VERT.)<br/>FL=1174.00</p> | <p><b>E06</b> STA. 10+30-40-CL LINE 'E'<br/>CONST. 1-8"x 22 1/2" BEND (VERT.)<br/>FL=1176.10</p> | <p><b>E08</b> STA. 10+40-40-CL LINE 'E'<br/>CONST. 1-8"x TAPPING SLEEVE (MJ)<br/>1-8" TAPPING VALVE &amp; BOX<br/>N=695762.24<br/>E=2129892.00<br/>FL=1176.10</p> |
|---|--|--|---|



- |   |  |  |   |
|---|--|--|---|
| <p><b>(F01)</b> STA. 10+00-CL LINE 'F'</p> <p>CONST. 1-8"x 8" TAPPING SLEEVE (MJ)</p> <p>1-8" TAPPING VALVE &amp; BOX</p> <p>1-5" CAP</p> <p>N=59571.82</p> <p>E=2129958.60</p> <p>FL=1176.10</p> | <p><b>(F02)</b> STA. 10+06.75-CL LINE 'F'</p> <p>CONST. 1-8"x 45" BEND</p> <p>FL=1176.10</p> | <p><b>(F04)</b> STA. 10+45.93-CL LINE 'F'</p> <p>CONST. 1-8"x 45" BEND</p> <p>FL=1176.10</p> | <p><b>(F06)</b> STA. 10+66.56-CL LINE 'F'</p> <p>CONST. 1-8"x 8" TAPPING SLEEVE (MJ)</p> <p>1-8" TAPPING VALVE &amp; BOX</p> <p>1-5" CAP</p> <p>N=595802.43</p> <p>E=2129983.84</p> <p>FL=1176.10</p> |
|---|--|--|---|

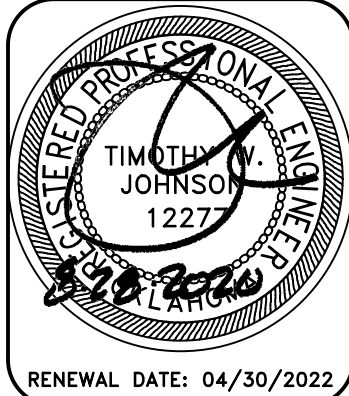
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 CONST. 1-8"x 90° BEND  
 FL=1176.10

F05 STA. 10+57.56-CL LINE 'F'  
 CONST. 1-8"x 90° BEND  
 FL=1176.10



CITY OF NORMAN - NORTH BASE COMPLEX PHASE 1

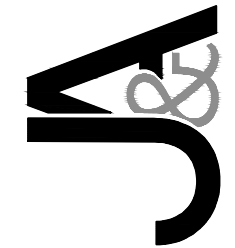
| REVISIONS |             |          |
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| NO.       | DESCRIPTION | DATE     |
| ①         | REVISION #6 | 01-22-21 |
|           |             |          |
|           |             |          |
|           |             |          |
|           |             |          |



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BASE COMPLEX PHASE 1  
NORMAN, CLEVELAND COUNTY, OKLAHOMA

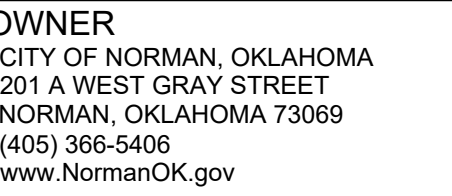
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Approved By: \_\_\_\_\_

SHEET NUMBER  
**WF4A**

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ACAD FILE: H164224422-WINTER QMG. 1/22/2021 12:27 PM. Christie Stone





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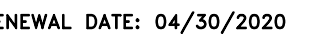
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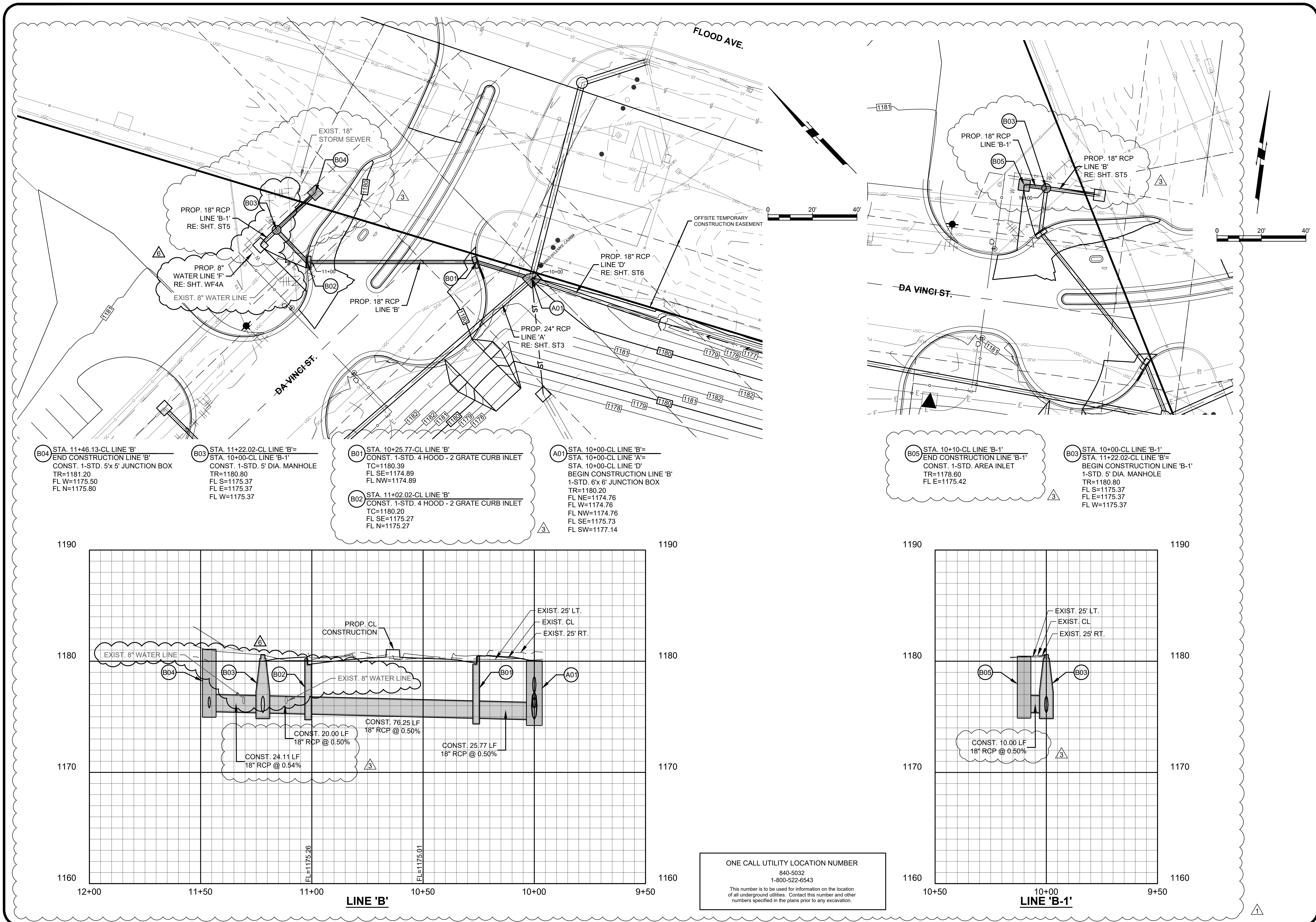
SB PROJECT NO.  
191650

DRAWING TITLE  
PRIVATE STORM  
SEWER PLAN &  
PROFILE LINES

DATE 4-28-20

DRAWING NO.

# ST5



CITY OF NORMAN - NORTH BASE COMPLEX PHASE 1

PV-



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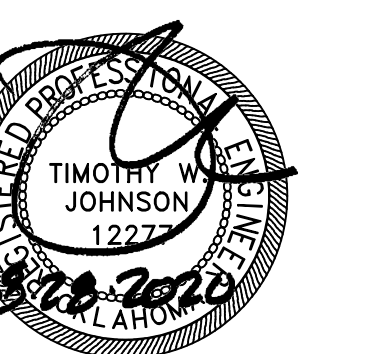
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RENEWAL DATE: 04/30/2020

## REVISIONS

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| GSB PROJECT NO. | 191650 |
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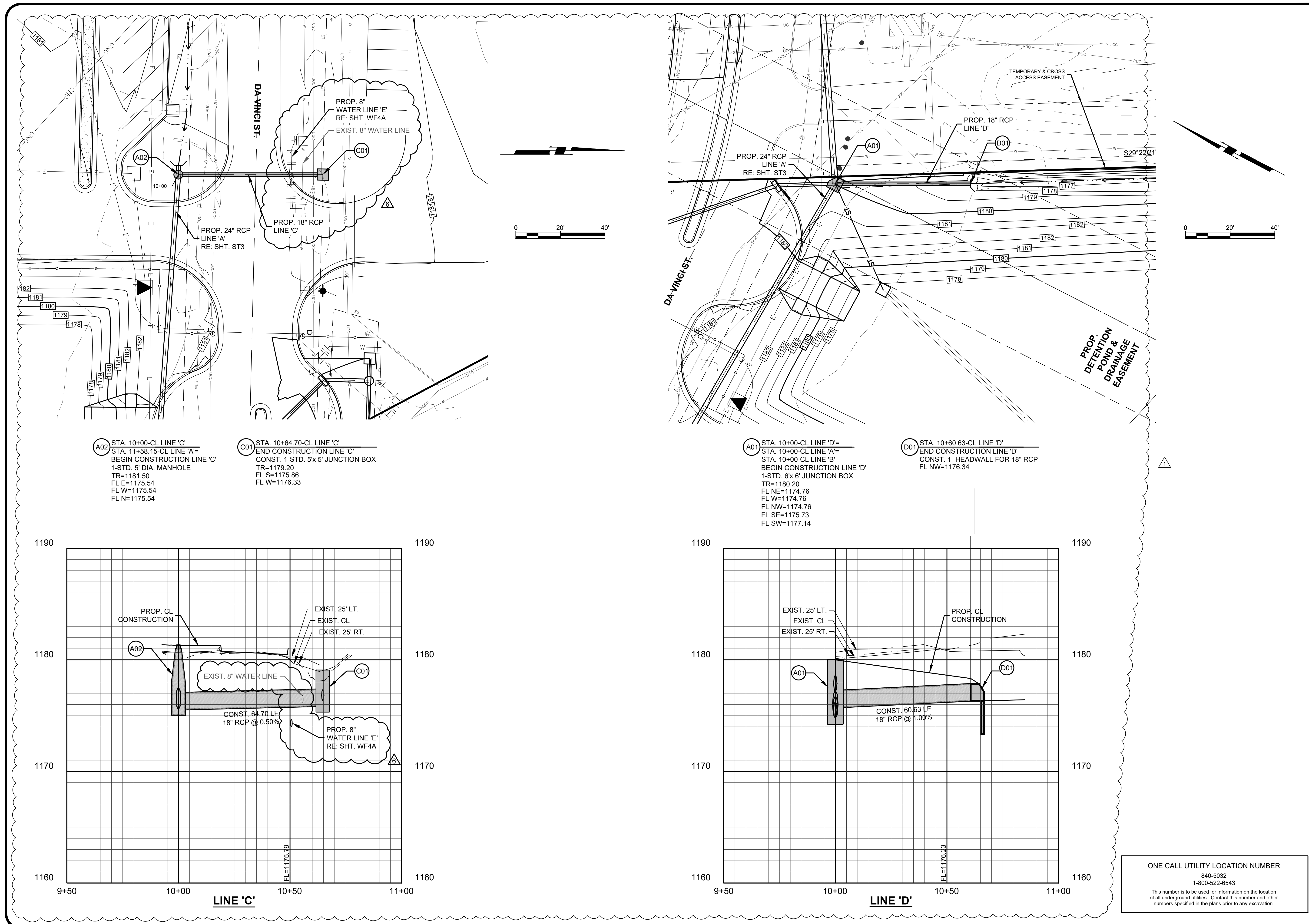
DRAWING TITLE  
PRIVATE STORM  
SEWER PLAN &  
PROFILE LINES

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|------|----------|
| DATE | 08-28-20 |
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DRAWING NO.

**Q10**

**\$16**



CITY OF NORMAN - NORTH BASE COMPLEX PHASE 1

PV-

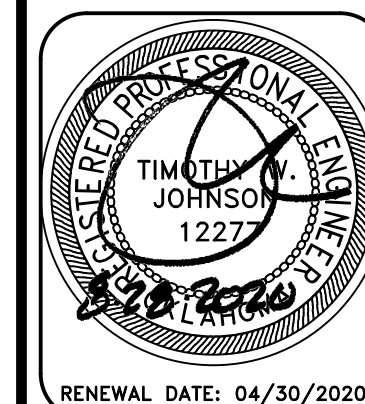
CITY OF NORMAN - NORTH  
BASE COMPLEX PHASE 1  
NORMAN, CLEVELAND COUNTY, OKLAHOMA

Proj. No.: PV-  
 Date: 08-28-20  
 Scale: (Horiz.) 1"=20'  
 (Vert.) 1"= 4'  
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 Approved By: \_\_\_\_\_

**SHEET NUMBER**  
**ST6**

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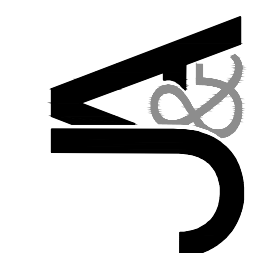
| REVISIONS |             |          |
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| NO.       | DESCRIPTION | DATE     |
| 1         | ADDENDUM #1 | 09-08-20 |
| 2         | REVISION #6 | 01-22-21 |
|           |             |          |
|           |             |          |
|           |             |          |



RENEWAL DATE: 04/30/2020

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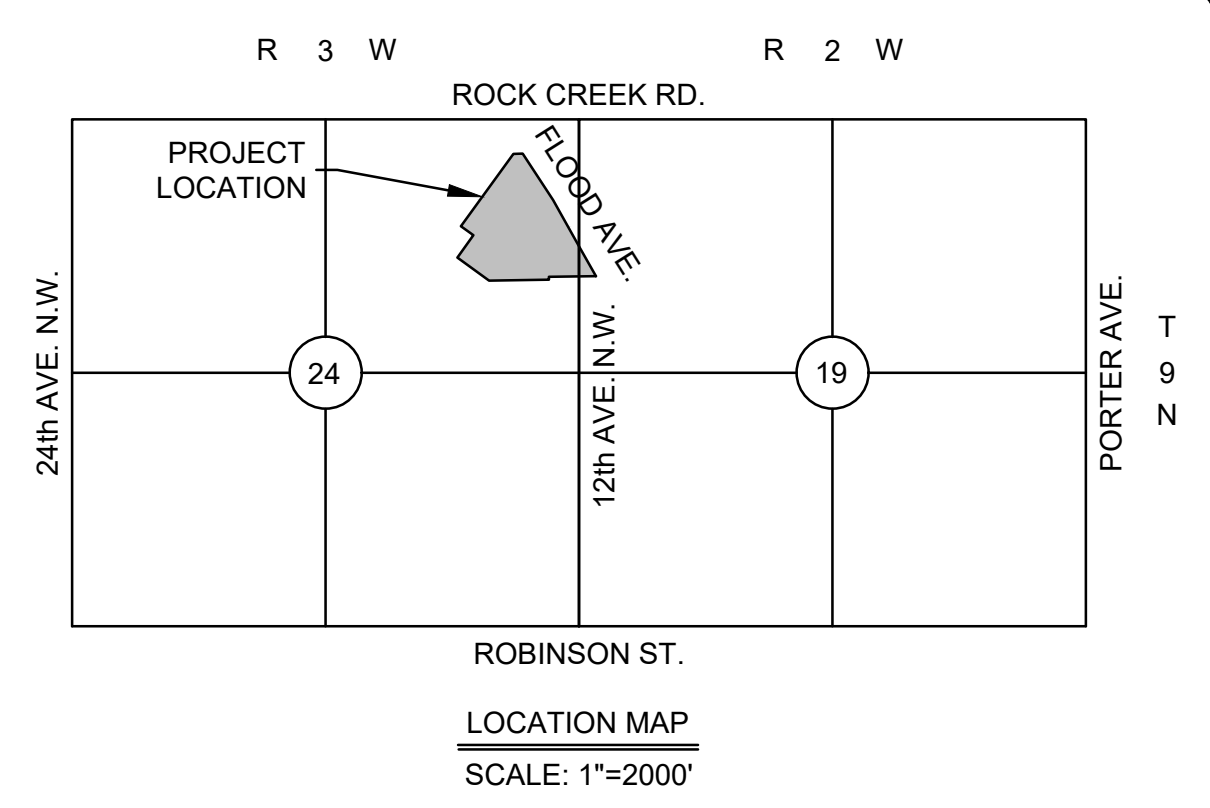
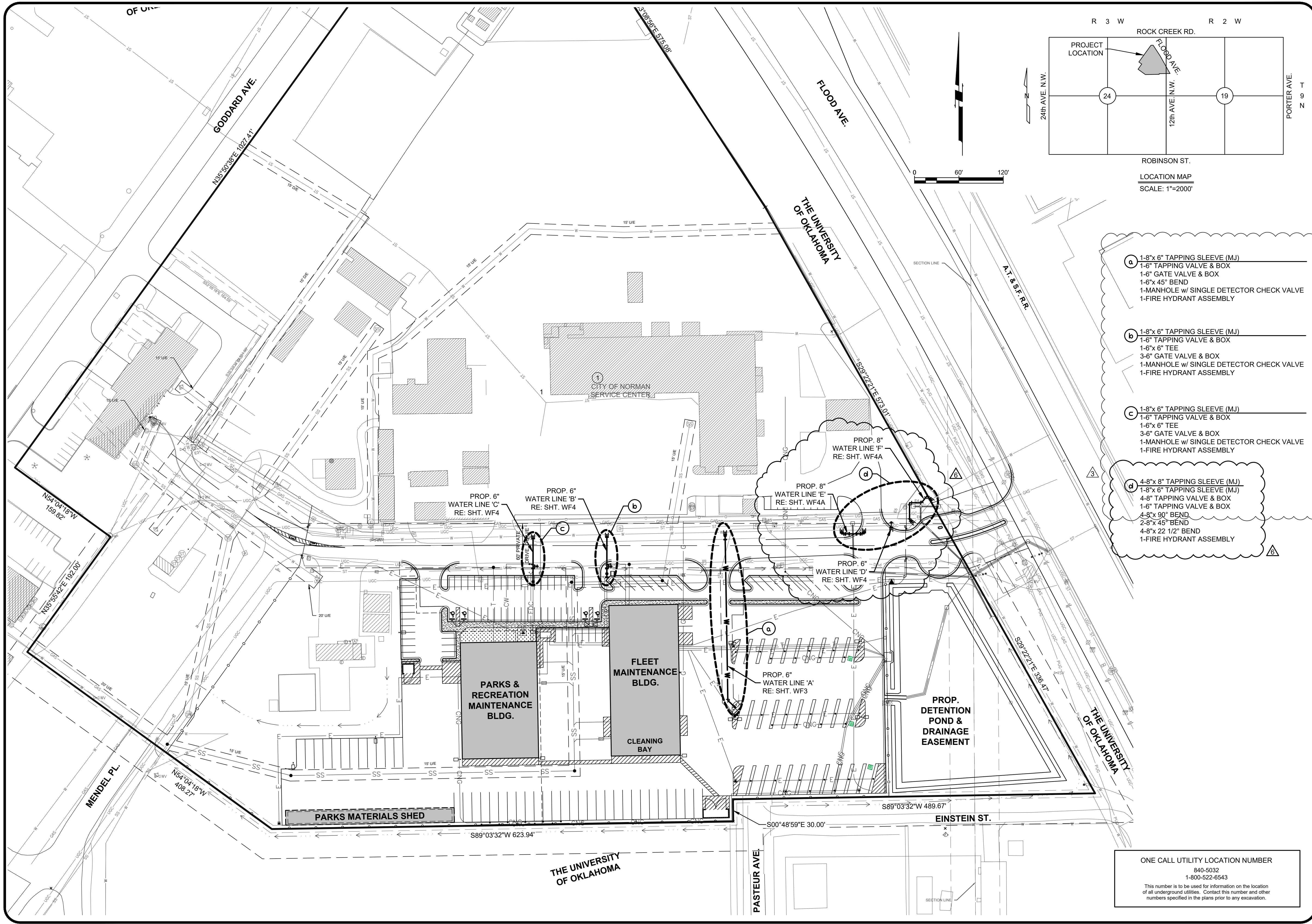
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| SUMMARY OF QUANTITIES  |  |      |           |          |
|--|--|------|-----------|----------|
| ITEM NO.   | ITEM                                   | UNIT | QUANTITY  | AS-BUILT |
| WATER LINE QUANTITIES  |  |      |           |          |
| 1.   | 6" WATER LINE (C900 PVC)               | LF   | 366       |          |
| 2.   | 8"x 6" TAPPING SLEEVE (MJ)             | EA   | 4         |          |
| 3.   | 6" TAPPING VALVE & BOX                 | EA   | 4         |          |
| 4.   | 6"x 6" TEE                             | EA   | 2         |          |
| 5.   | 6" GATE VALVE & BOX                    | EA   | 7         | 3        |
| 6.   | 6"x 45° BEND                           | EA   | 1         |          |
| 7.   | MANHOLE w/ SINGLE DETECTOR CHECK VALVE | EA   | 3         |          |
| 8.   | FIRE HYDRANT ASSEMBLY                  | EA   | 4         |          |
| 9.   | 12" RISER (IF REQD)                    | EA   | 4         |          |
| 10.  | SINGLE SHORT SERVICE (SSS) (2 1/2")    | EA   |           | 3        |
| 12.  | TYPE 'A' BACKFILL                      | CY   | 145 - 112 |          |
| 13.  | CRUSHED ROCK BEDDING / CRUSHER RUN     | CY   | 70 - 54   | 6        |
| 14.  | DISINFECTION & TESTING                 | LS   | 1         |          |
| 15.  | METER (2 1/2")                         | EA   | 2         |          |
| 16.  | SLS (2 1/2") (DOMESTIC) (PRIVATE)      | EA   | 2         | 2        |
| PRIVATE EROSION CONTROL QUANTITIES   |  |      |           |          |
| GRADING CONTRACTOR   |  |      |           |          |
| 1.   | CONSTRUCTION ENTRANCE                  | EA   | 1         |          |
| 2.   | SILT FENCE                             | LF   | 3470      |          |
| PAVING CONTRACTOR  |  |      |           |          |
| 1.   | ROCK BAG FLUME/CURB INLET BARRIER      | EA   | 4         |          |
| 2.   | ROCK BAG CHECK DAM                     | EA   | 15        |          |
| 3.   | SEED ALL DISTURBED AREAS               | LS   | 1         | 1        |
| 17. 8" WATER LINE (C900 PVC)   |  |      |           |          |
| 18. 8"x 8" TAPPING SLEEVE (MJ)   |  |      |           |          |
| 19. 8" TAPPING VALVE & BOX   |  |      |           |          |
| 20. 8"x 90° BEND   |  |      |           |          |
| 21. 8"x 45° BEND   |  |      |           |          |
| 22. 8"x 22 1/2" BEND   |  |      |           |          |
| 23. 8" CAP   |  |      |           |          |
| 3  |  |      |           |          |
| Original Bench Mark:   |  |      |           |          |
| Source: City of Norman GPS Datum; Oklahoma South   |  |      |           |          |
| Horizontal Datum: NAD83  |  |      |           |          |
| Vertical Datum: NAVD88   |  |      |           |          |
| Bench Mark: 150  |  |      |           |          |
| Northing: 697192.37  |  |      |           |          |
| Easting: 2129953.30  |  |      |           |          |
| Elevation: 1171.90   |  |      |           |          |
| Description: Approximately 60.6' West of the West edge of 12 <sup>th</sup> NW, 134.2' North of north edge of Rock Creek Rd., 186.3' NE of power pole and 165' SW of traffic sign |  |      |           |          |
| Object: 2" Diameter Aluminum Cap Monument  |  |      |           |          |
| Bench Marks by Johnson & Associates  |  |      |           |          |
| Set On/Around Site:  |  |      |           |          |
| Bench Mark # 400   |  |      |           |          |
| Northing: 695278.08  |  |      |           |          |
| Easting: 2128792.73  |  |      |           |          |
| Elevation: 1178.38   |  |      |           |          |
| Description: On asphalt South mid curve Mendel Pl. and Priestly Ave.   |  |      |           |          |
| Object: Nail with J&A Control Shiner   |  |      |           |          |
| Bench Mark # 401   |  |      |           |          |
| Northing: 694953.98  |  |      |           |          |
| Easting: 2129765.85  |  |      |           |          |
| Elevation: 1183.57   |  |      |           |          |
| Description: Approximately 410' South of the CL of Einstein St., 15' East of the CL of Pasteur Ave. and East of South PC drive.  |  |      |           |          |
| Object: #4 Bar with J&A Control Cap  |  |      |           |          |
| Bench Mark # 405   |  |      |           |          |
| Northing: 696030.62  |  |      |           |          |
| Easting: 2129848.27  |  |      |           |          |
| Elevation: 1181.14   |  |      |           |          |
| Description: Approximately 290' North of the CL of Da Vinci St., 150' SW of the CL of N Flood Ave. and 105' East of the NE corner of building.                                   |  |      |           |          |
| Object: Cut X  |  |      |           |          |

WF1





- a 1-8"x 6" TAPPING SLEEVE (MJ)  
1-6" TAPPING VALVE & BOX  
1-6" GATE VALVE & BOX  
1-6"x 45" BEND  
1-MANHOLE w/ SINGLE DETECTOR CHECK VALVE  
1-FIRE HYDRANT ASSEMBLY
- b 1-8"x 6" TAPPING SLEEVE (MJ)  
1-6" TAPPING VALVE & BOX  
1-6"x 6" TEE  
3-6" GATE VALVE & BOX  
1-MANHOLE w/ SINGLE DETECTOR CHECK VALVE  
1-FIRE HYDRANT ASSEMBLY
- c 1-8"x 6" TAPPING SLEEVE (MJ)  
1-6" TAPPING VALVE & BOX  
1-6"x 6" TEE  
3-6" GATE VALVE & BOX  
1-MANHOLE w/ SINGLE DETECTOR CHECK VALVE  
1-FIRE HYDRANT ASSEMBLY
- d 4-8"x 8" TAPPING SLEEVE (MJ)  
1-8"x 6" TAPPING SLEEVE (MJ)  
4-8" TAPPING VALVE & BOX  
1-6" TAPPING VALVE & BOX  
4-8"x 90" BEND  
2-8"x 45" BEND  
4-8"x 22 1/2" BEND  
1-FIRE HYDRANT ASSEMBLY

ONE CALL UTILITY LOCATION NUMBER  
840-5032  
1-800-522-6543  
This number is to be used for information on the location of all underground utilities. Contact this number and other numbers specified in the plans prior to any excavation.

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| NO. | REVISIONS   | DESCRIPTION | DATE     |
|-----|-------------|-------------|----------|
| 1   | REVISION 43 |             | 10/28/20 |
| 2   | REVISION 46 |             | 01/22/21 |

RENEWAL DATE: 04/30/2022

Johnson & Associates, Inc.  
1 E. Sheridan Ave., Suite 200  
Oklahoma City, OK 73104  
(405) 235-8075 FAX (405) 235-8078 www.ja-inc.com  
Certificate of Authorization #1454 Exp. Date: 05-30-2021

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CITY OF NORMAN - NORTH BASE  
COMPLEX PHASE 1  
NORMAN, CLEVELAND COUNTY, OKLAHOMA

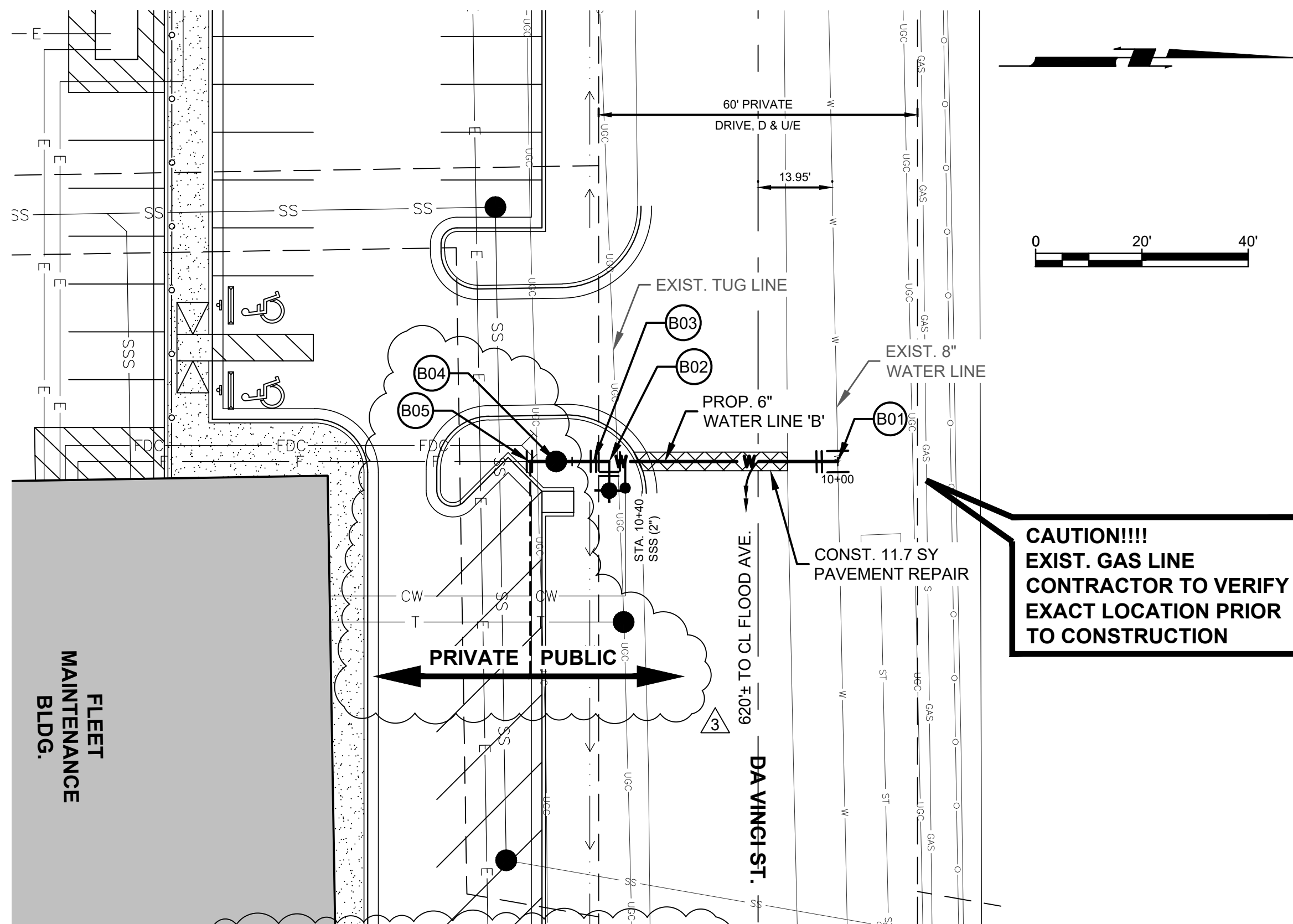
PUBLIC WATER LINE GENERAL LAYOUT

Proj. No.:  
Date: 08-28-20  
Scale: 1"=60'

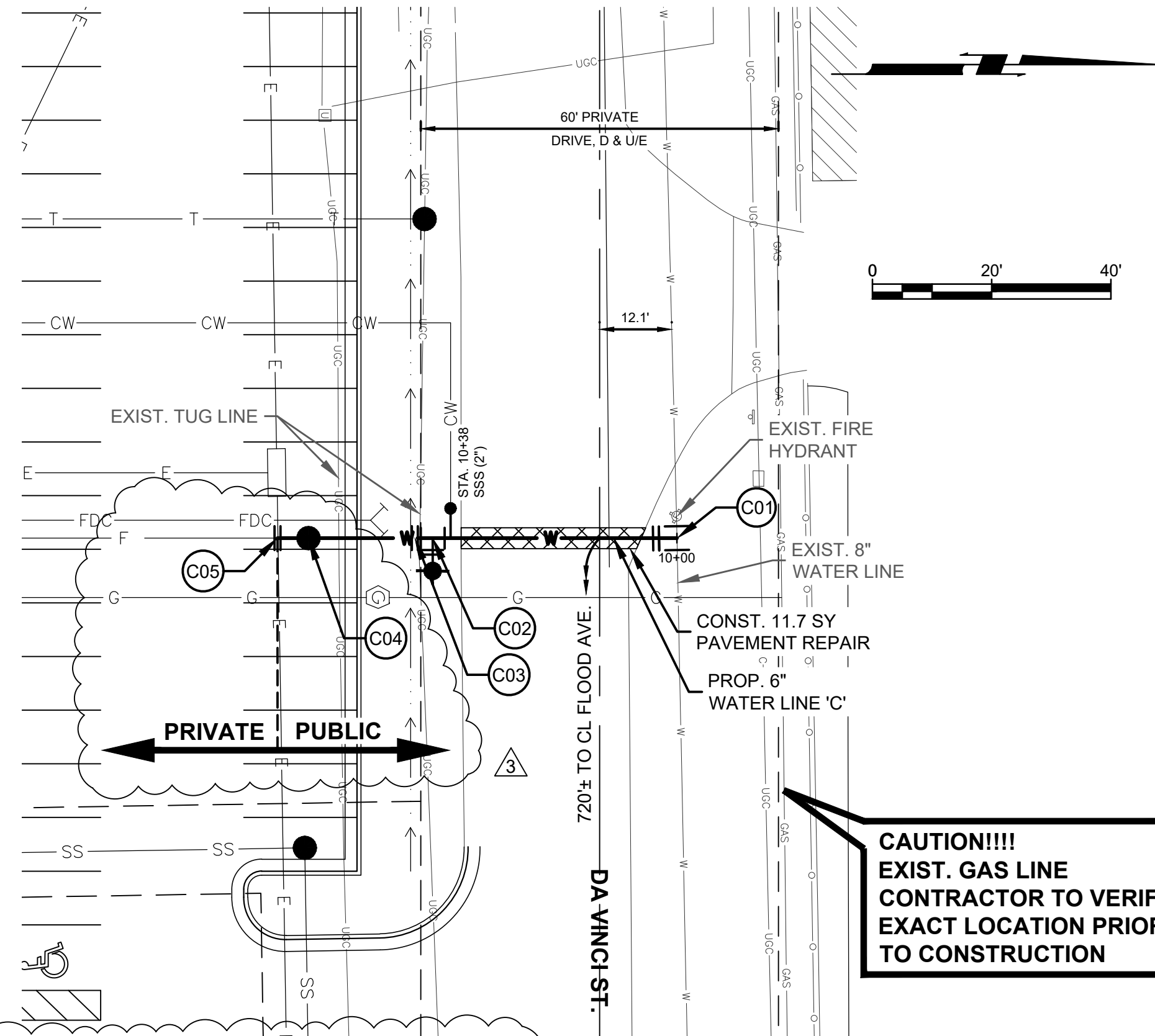
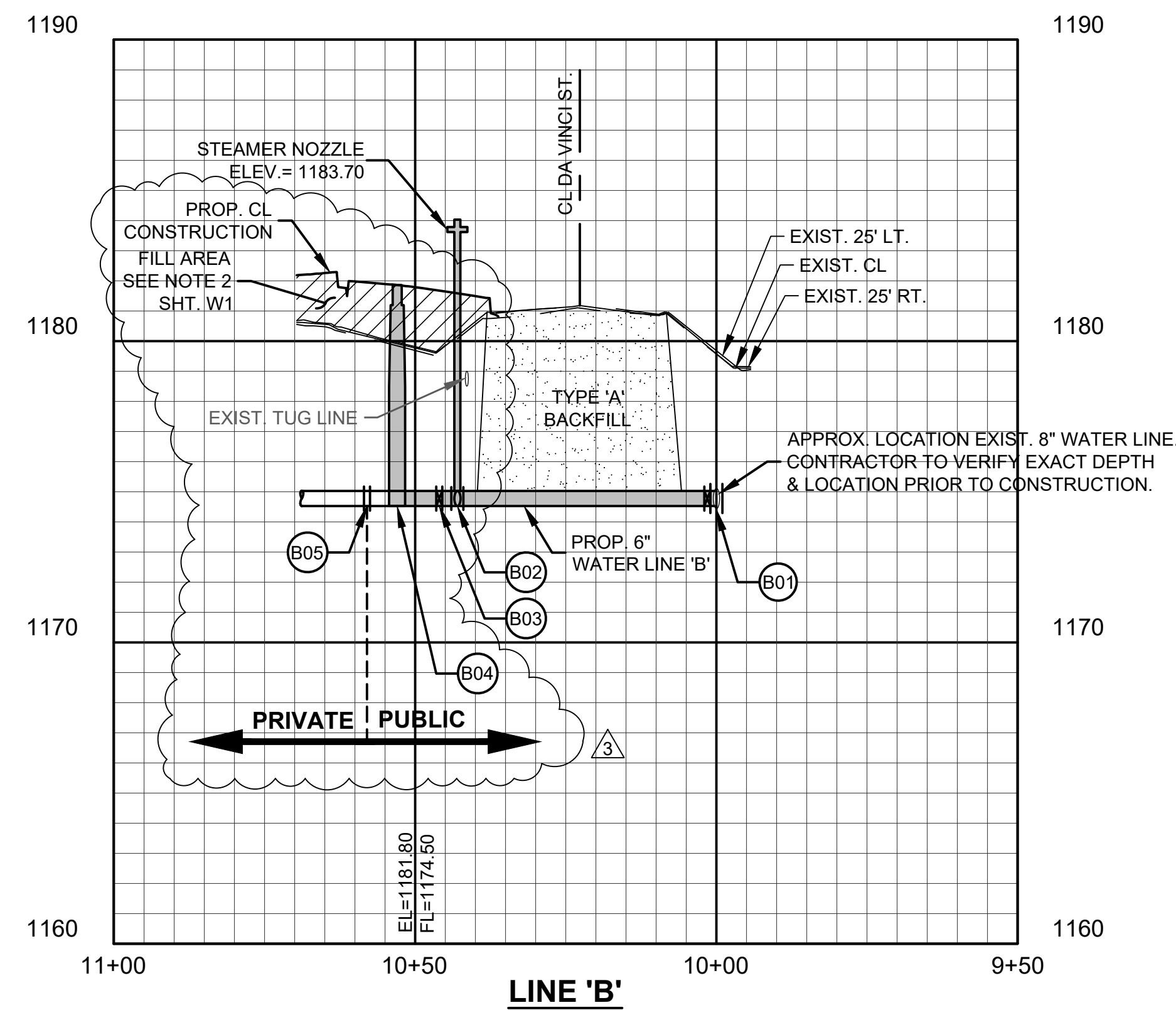
Checked By:  
Approved By:

SHEET NUMBER  
**WF2**

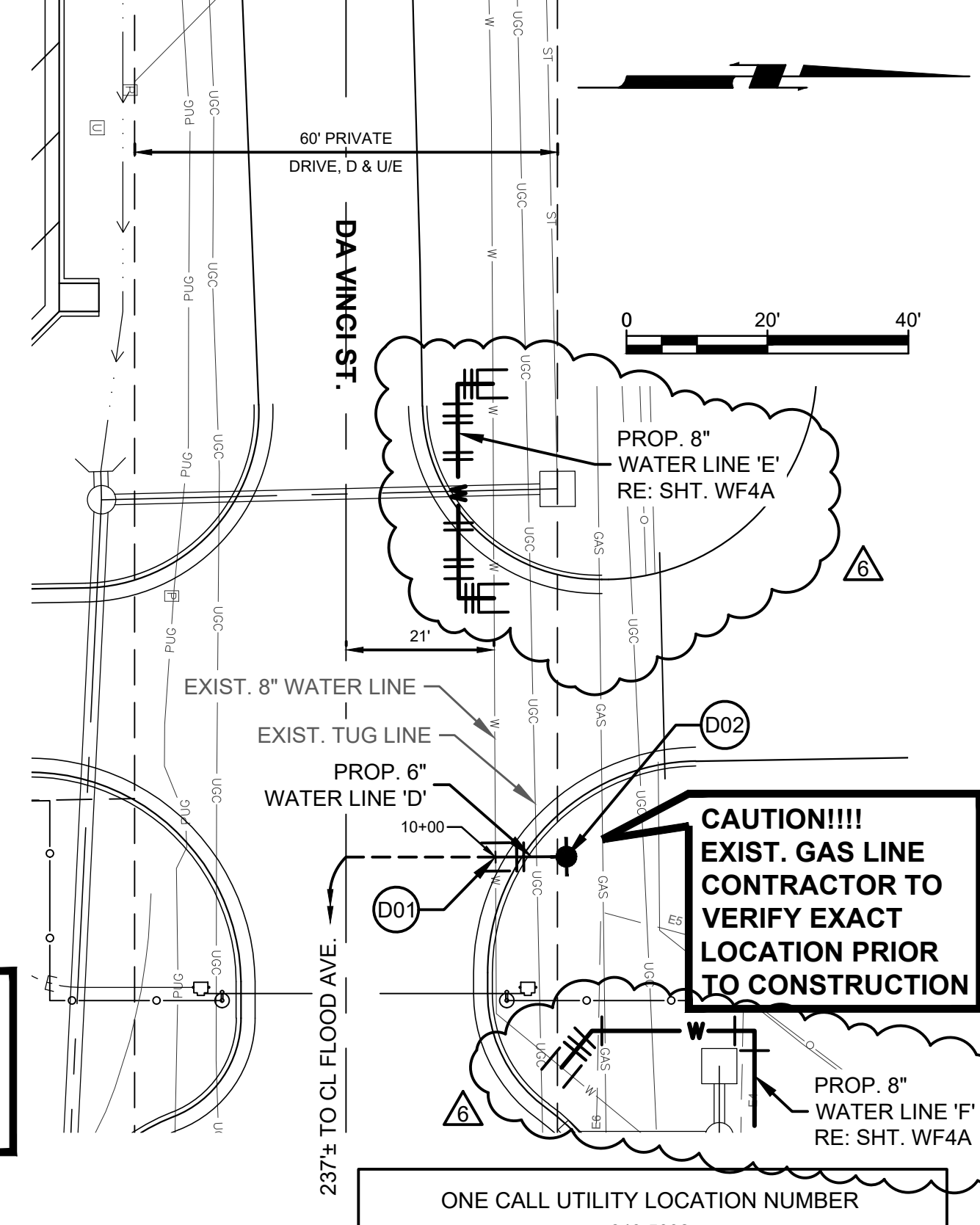
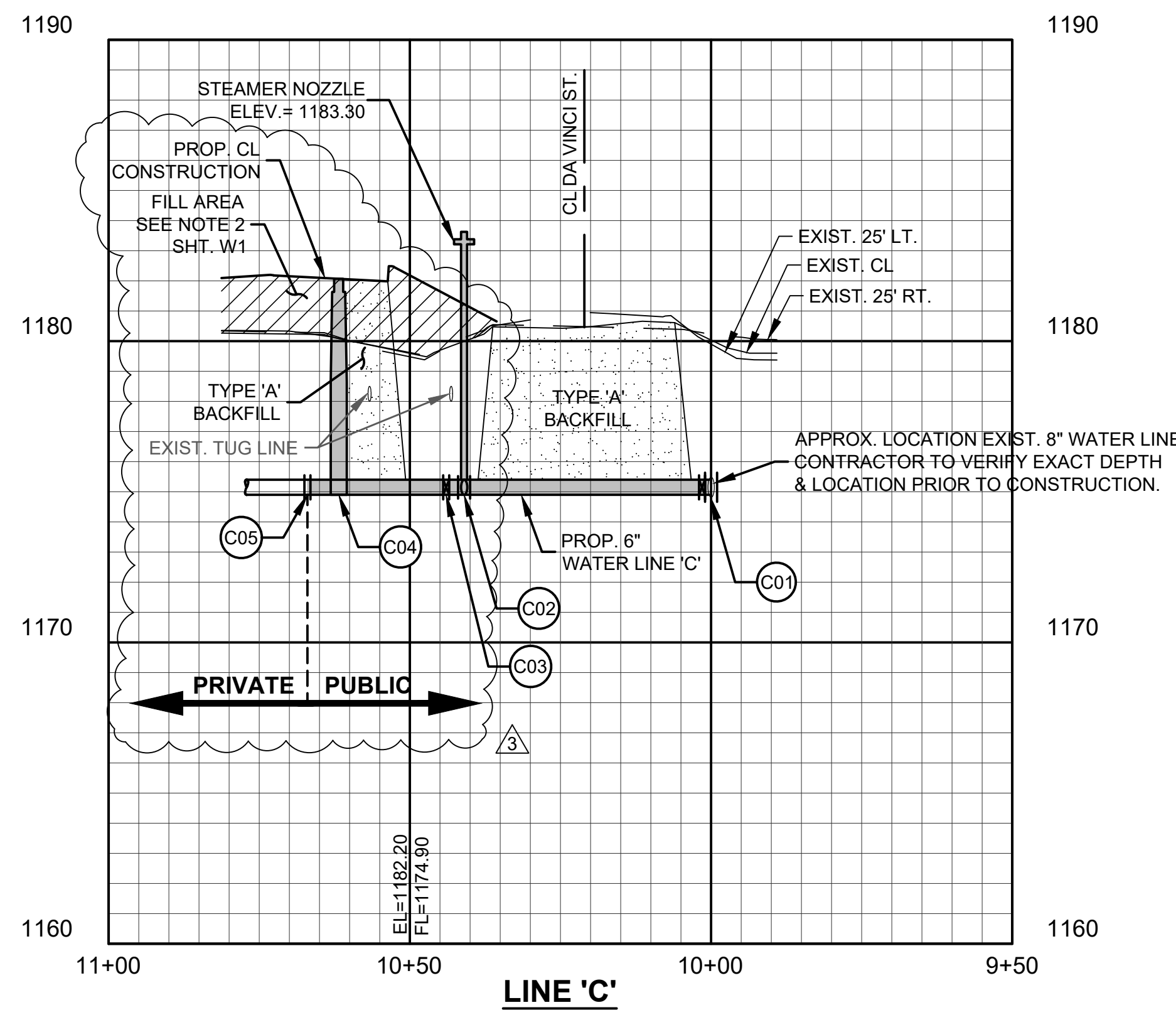




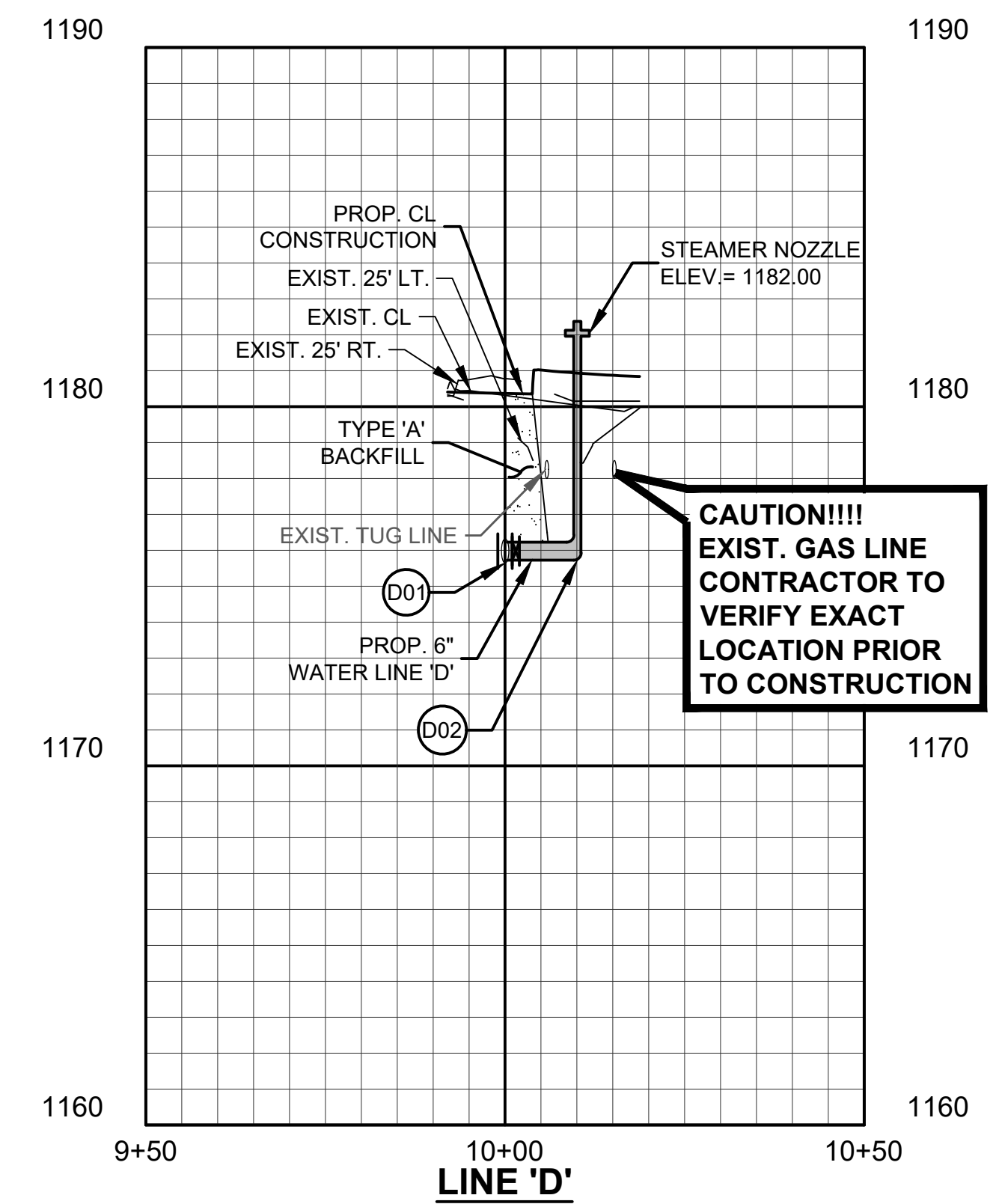
- (B03) STA. 10+46-CL LINE 'B'  
CONST. 1-6" GATE VALVE & BOX  
FL=1174.50
- (B04) STA. 10+52.99-CL LINE 'B'  
CONST. 1-4" DIA. MANHOLE  
1-SINGLE DETECTOR CHECK VALVE ASSEMBLY  
TR=1182.15±  
FL=1174.50
- (B05) STA. 10+58-CL LINE 'B'  
CONST. 1-6" GATE VALVE & BOX  
FL=1174.50
- (B01) STA. 10+00-CL LINE 'B'  
CONST. 1-8" x 6" TAPPING SLEEVE (MJ)  
1-6" TAPPING VALVE & BOX  
N=695756.23  
E=2129544.20  
FL=1174.40 (8")  
FL=1174.50 (6")
- (B02) STA. 10+43-CL LINE 'B'  
CONST. 1-6" x 6" TEE  
6 LF 6" WATER LINE  
1-6" GATE VALVE & BOX  
1-FIRE HYDRANT ASSEMBLY  
FL=1174.50



- (C03) STA. 10+43.98-CL LINE 'C'  
CONST. 1-6" GATE VALVE & BOX  
FL=1174.90
- (C04) STA. 10+61.80-CL LINE 'C'  
CONST. 1-4" DIA. MANHOLE  
1-SINGLE DETECTOR CHECK VALVE ASSEMBLY  
TR=1182.30±  
FL=1174.90
- (C05) STA. 10+67-CL LINE 'C'  
CONST. 1-6" GATE VALVE & BOX  
FL=1174.90
- (C01) STA. 10+00-CL LINE 'C'  
CONST. 1-8" x 6" TAPPING SLEEVE (MJ)  
1-6" TAPPING VALVE & BOX  
N=695754.22  
E=2129444.40  
FL=1174.80 (8")  
FL=1174.90 (6")
- (C02) STA. 10+40.98-CL LINE 'C'  
CONST. 1-6" x 6" TEE  
6 LF 6" WATER LINE  
1-6" GATE VALVE & BOX  
1-FIRE HYDRANT ASSEMBLY  
FL=1174.90

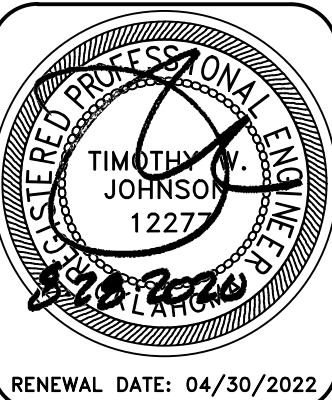


- (D01) STA. 10+00-CL LINE 'D'  
CONST. 1-8" x 6" TAPPING SLEEVE (MJ)  
1-6" TAPPING VALVE & BOX  
N=695762.44  
E=2129928.73  
FL=1175.60 (8")  
FL=1175.70 (6")
- (D02) STA. 10+10.07-CL LINE 'D'  
CONST. 1-FIRE HYDRANT ASSEMBLY  
FL=1175.70
- ONE CALL UTILITY LOCATION NUMBER  
840-5032  
1-800-522-6543  
This number is to be used for information on the location of all underground utilities. Contact this number and other numbers specified in the plans prior to any excavation.

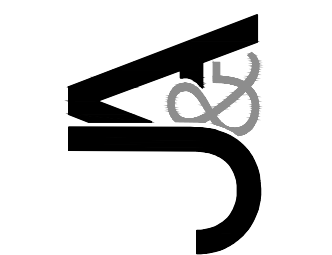


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| NO. | REVISIONS   | DATE     |
|-----|-------------|----------|
| 1   | REVISION #3 | 10/29/20 |
| 2   | REVISION #6 | 01/22/21 |



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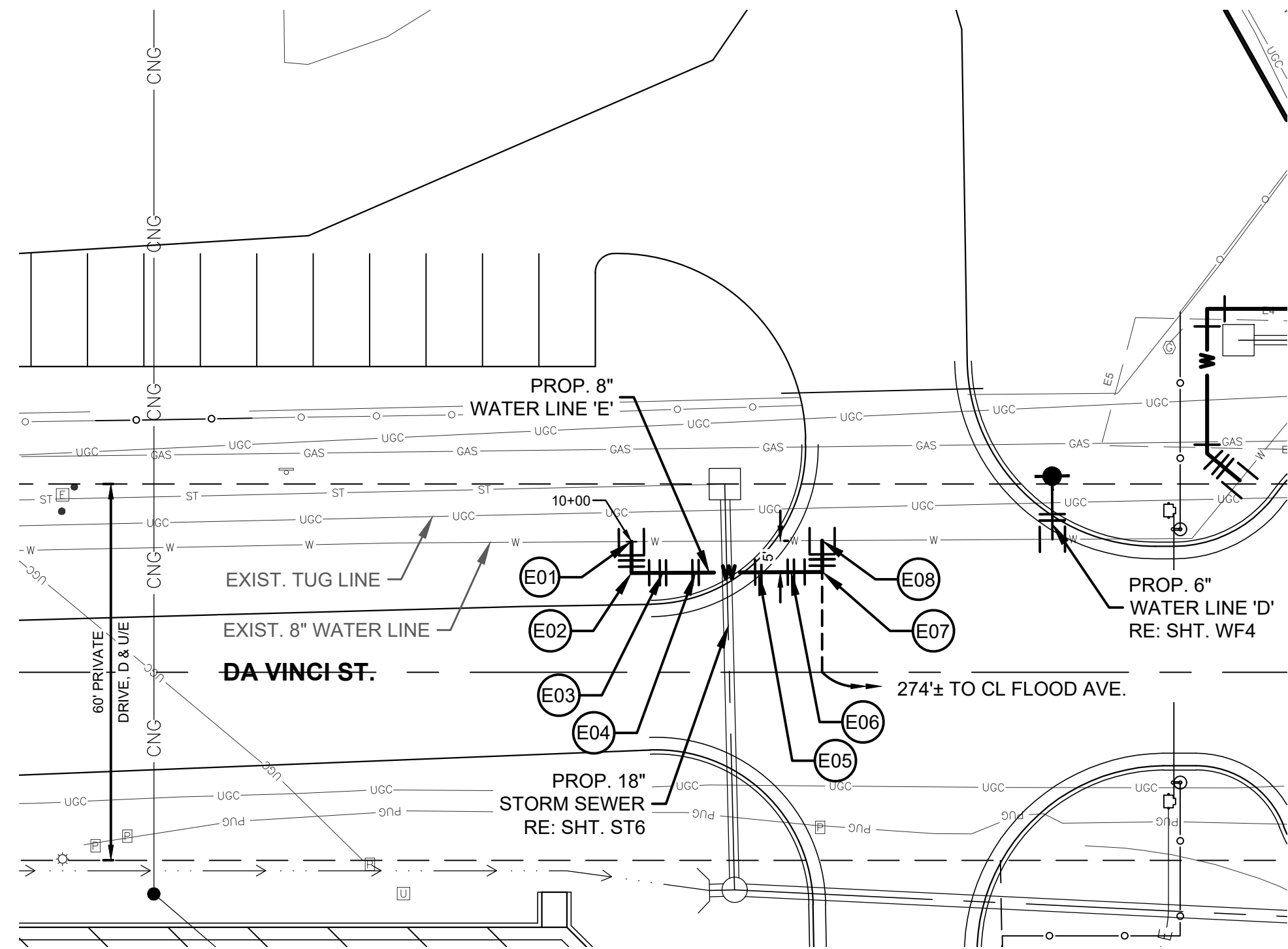


CITY OF NORMAN - NORTH  
BASE COMPLEX PHASE 1  
NORMAN, CLEVELAND COUNTY, OKLAHOMA  
PUBLIC WATER LINE PLAN & PROFILE  
LINES 'B', 'C' & 'D'

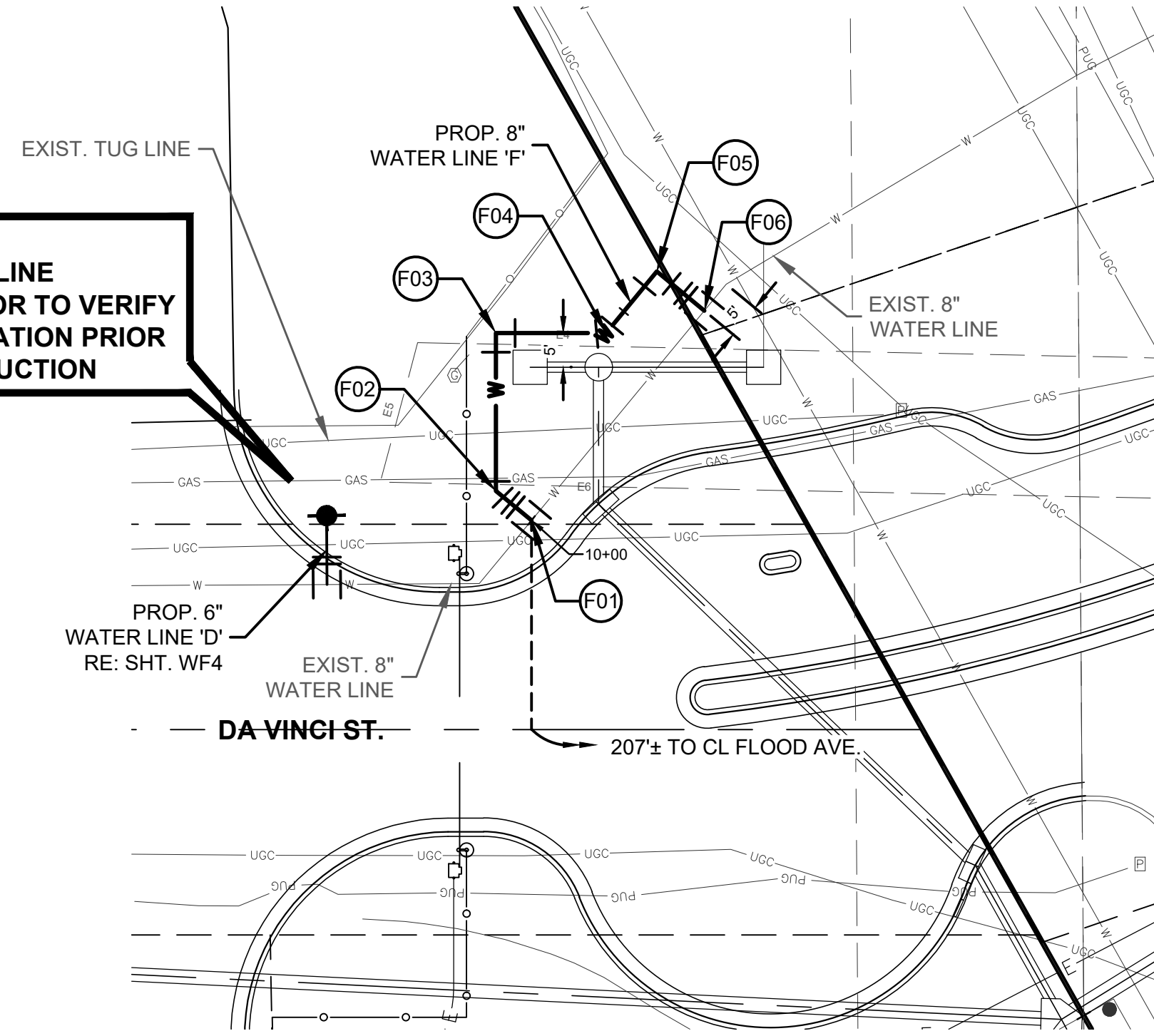
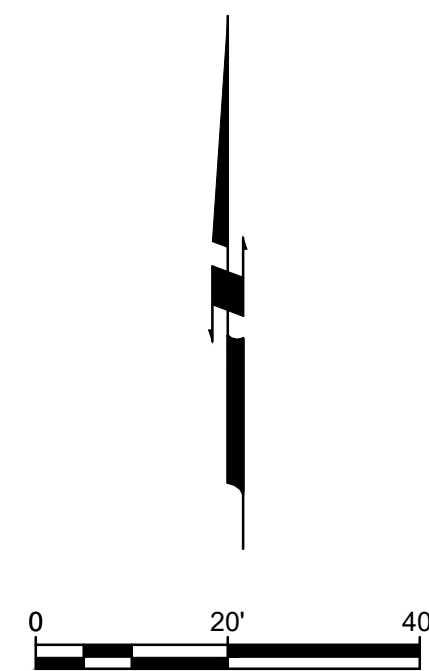
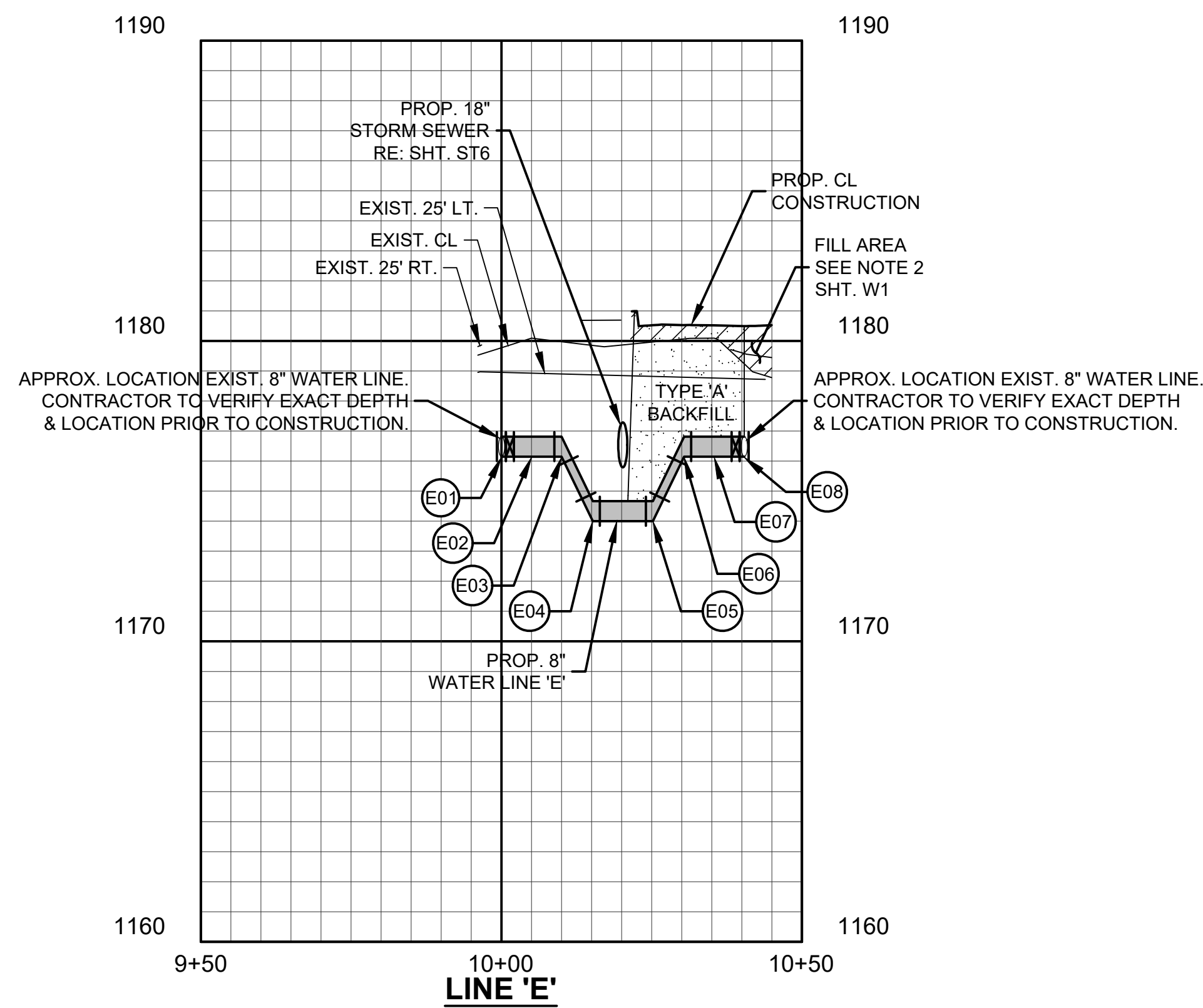
Proj. No.:  
Date: 08-28-20  
Scale: (Horiz.) 1"=20'  
(Vert.) 1"=4'  
Checked By:  
Approved By:

SHEET NUMBER  
**WF4**

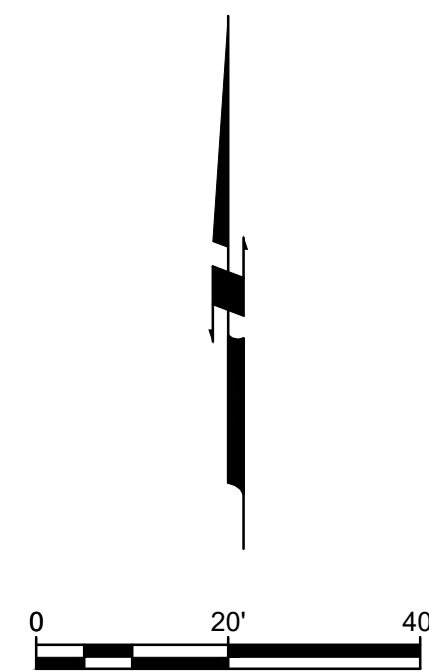
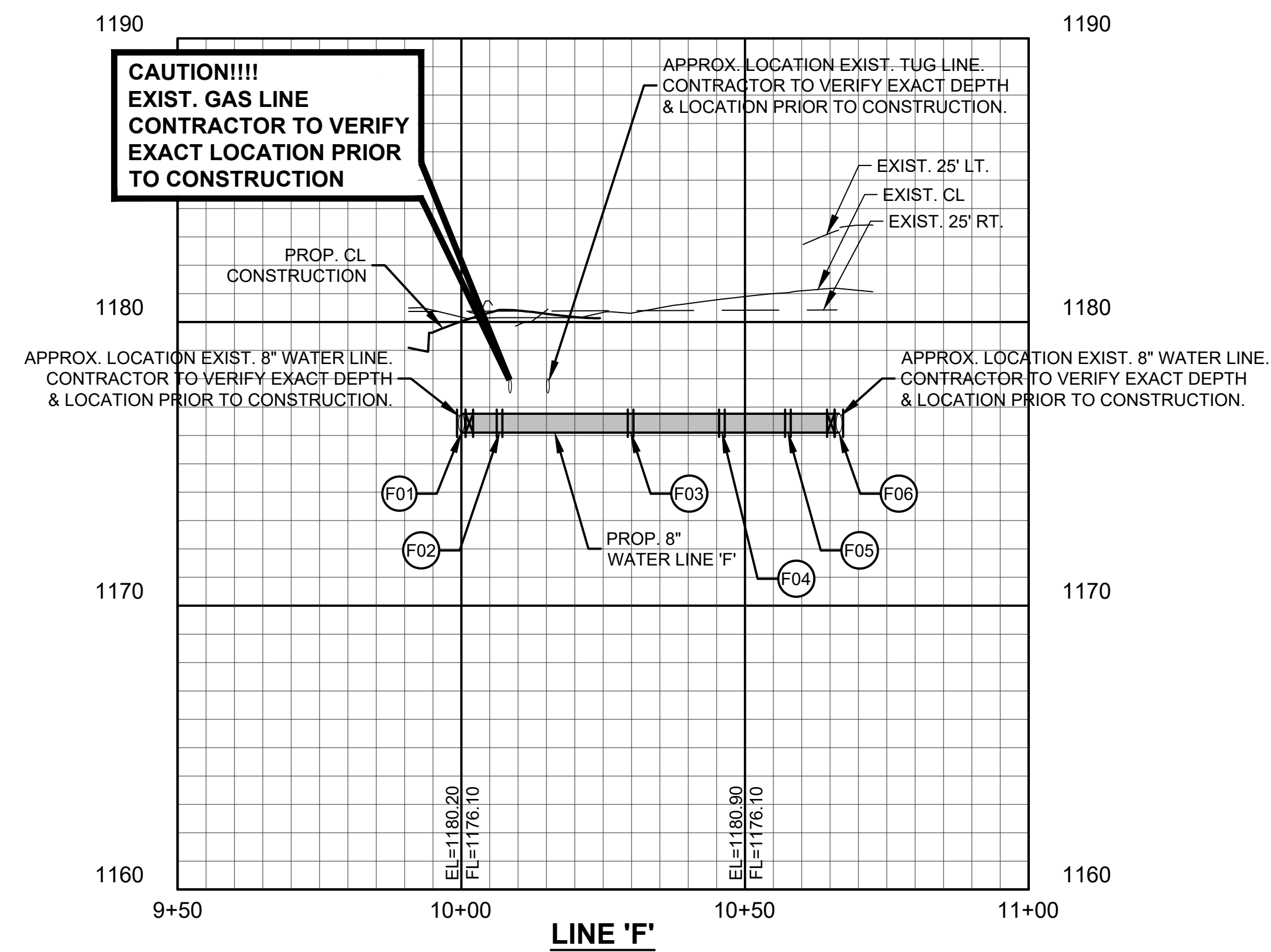




- E01** STA. 10+00-CL LINE 'E'  
CONST. 1-8"x 8" TAPPING SLEEVE (MJ)  
1-8" TAPPING VALVE & BOX  
1-8" CAP  
N=695762.07  
E=2129861.60  
FL=1176.10
- E02** STA. 10+05-CL LINE 'E'  
CONST. 1-8"x 90° BEND  
FL=1176.10
- E03** STA. 10+10-CL LINE 'E'  
CONST. 1-8"x 22 1/2° BEND (VERT.)  
FL=1176.10
- E04** STA. 10+15-20-CL LINE 'E'  
CONST. 1-8"x 22 1/2° BEND (VERT.)  
FL=1174.00
- E05** STA. 10+25-20-CL LINE 'E'  
CONST. 1-8"x 22 1/2° BEND (VERT.)  
FL=1174.00
- E06** STA. 10+30-40-CL LINE 'E'  
CONST. 1-8"x 22 1/2° BEND (VERT.)  
FL=1176.10
- E07** STA. 10+35-40-CL LINE 'E'  
CONST. 1-8"x 90° BEND  
FL=1176.10
- E08** STA. 10+40-40-CL LINE 'E'  
CONST. 1-8"x 8" TAPPING SLEEVE (MJ)  
1-8" TAPPING VALVE & BOX  
1-8" CAP  
N=695762.24  
E=2129892.00  
FL=1176.10



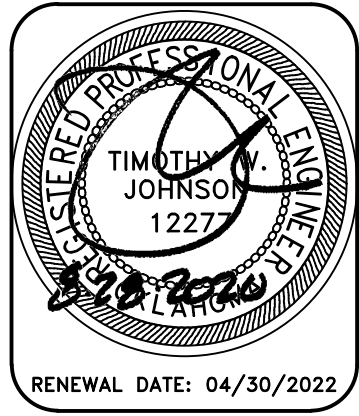
- F01** STA. 10+00-CL LINE 'F'  
CONST. 1-8"x 8" TAPPING SLEEVE (MJ)  
1-8" TAPPING VALVE & BOX  
1-8" CAP  
N=695771.82  
E=2129958.60  
FL=1176.10
- F02** STA. 10+06-75-CL LINE 'F'  
CONST. 1-8"x 45° BEND  
FL=1176.10
- F03** STA. 10+29-82-CL LINE 'F'  
CONST. 1-8"x 90° BEND  
FL=1176.10
- F04** STA. 10+45-93-CL LINE 'F'  
CONST. 1-8"x 45° BEND  
FL=1176.10
- F05** STA. 10+57-56-CL LINE 'F'  
CONST. 1-8"x 90° BEND  
FL=1176.10
- F06** STA. 10+66-56-CL LINE 'F'  
CONST. 1-8"x 8" TAPPING SLEEVE (MJ)  
1-8" TAPPING VALVE & BOX  
1-8" CAP  
N=695802.43  
E=2129983.84  
FL=1176.10



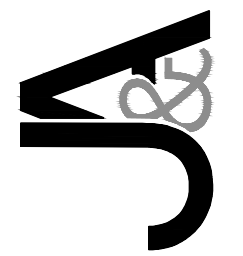
**ONE CALL UTILITY LOCATION NUMBER**  
840-5032  
1-800-522-6543  
This number is to be used for information on the location of all underground utilities. Contact this number and other numbers specified in the plans prior to any excavation.

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| NO. | REVISIONS   | DATE     |
|-----|-------------|----------|
| 1   | REVISION #6 | 01/22/21 |
| 2   |             |          |
| 3   |             |          |
| 4   |             |          |
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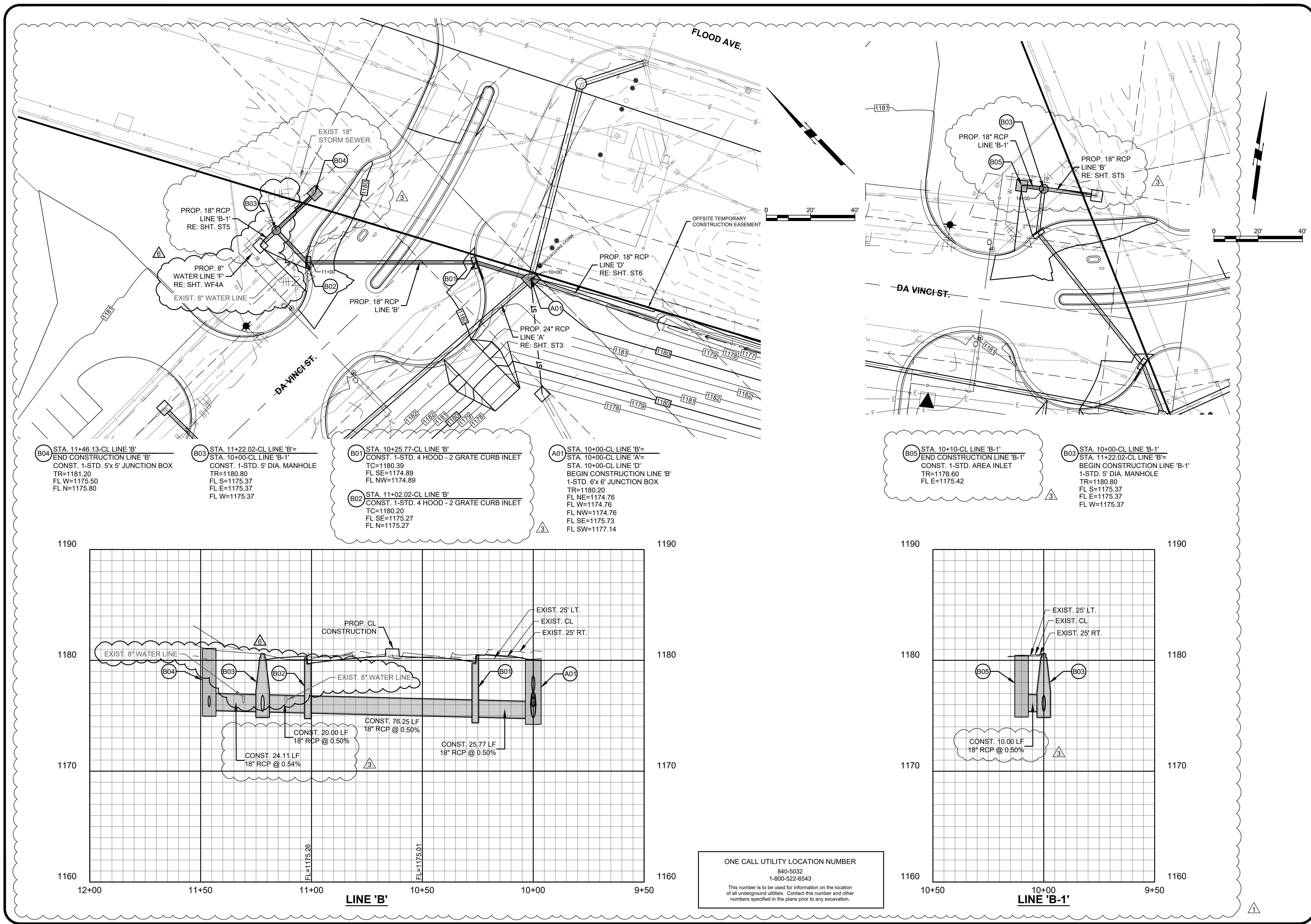


**CITY OF NORMAN - NORTH  
BASE COMPLEX PHASE 1**  
NORMAN, CLEVELAND COUNTY, OKLAHOMA  
**PUBLIC WATER LINE PLAN & PROFILE  
LINES 'E' & 'F'**

Proj. No.:  
Date: 08-28-20  
Scale: (Horiz.) 1"=20'  
(Vert.) 1"=4'  
Checked By:  
Approved By:

**SHEET NUMBER**  
**WF4A**





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NO.

REVISIONS

DATE

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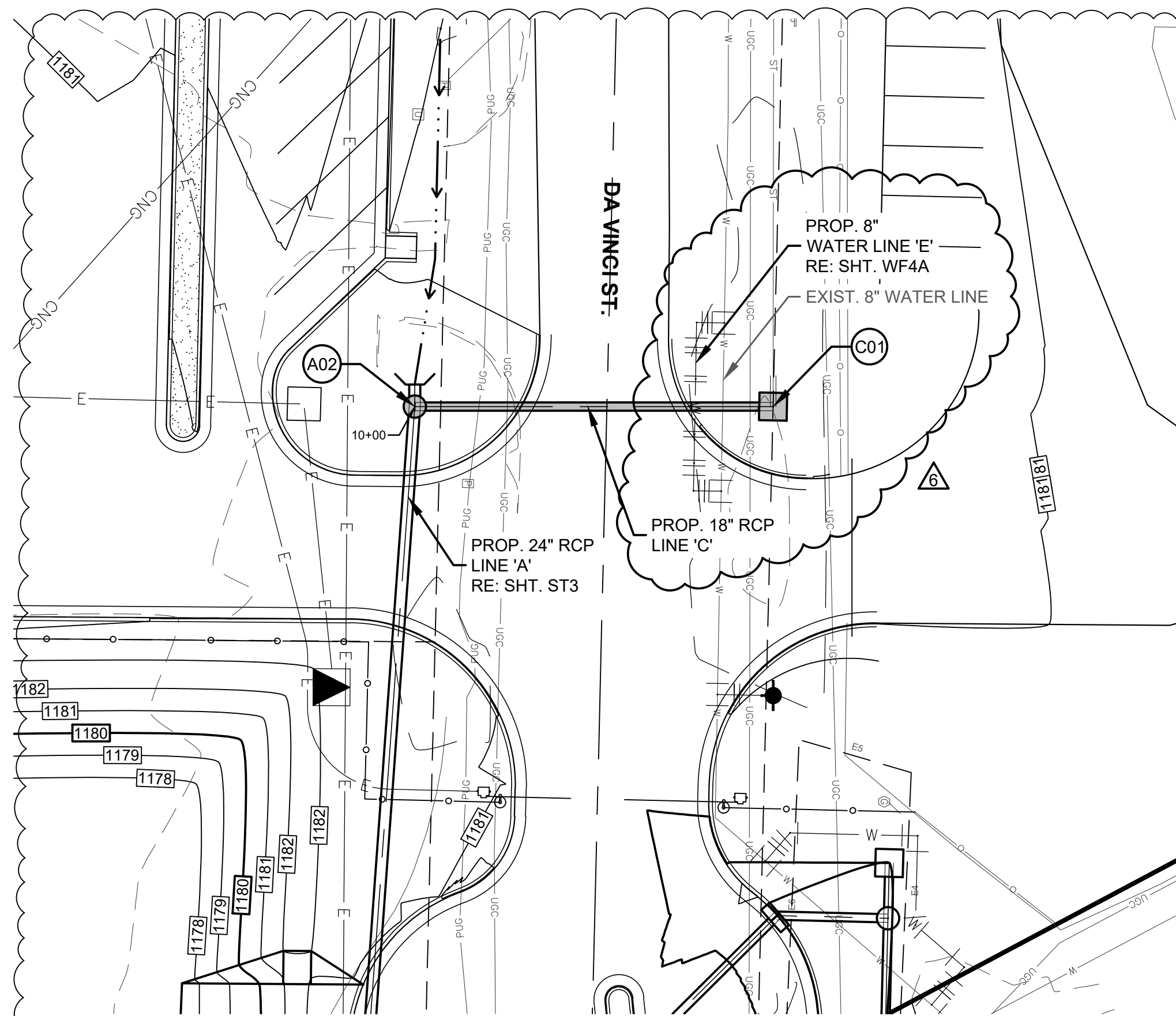
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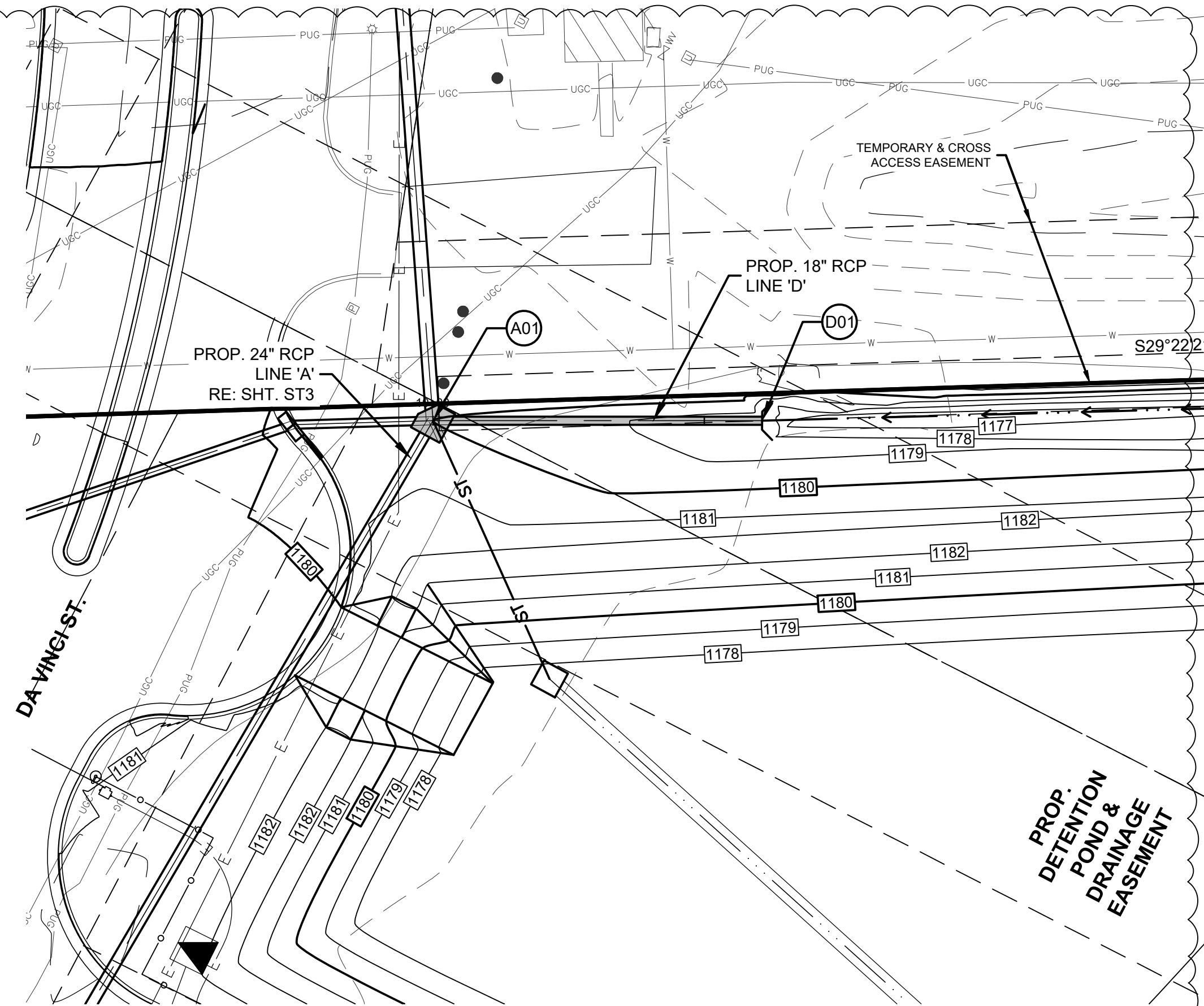
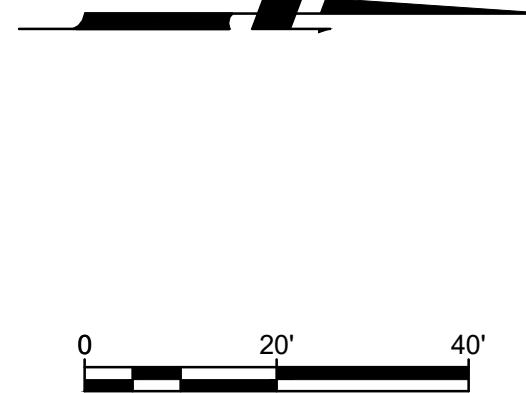
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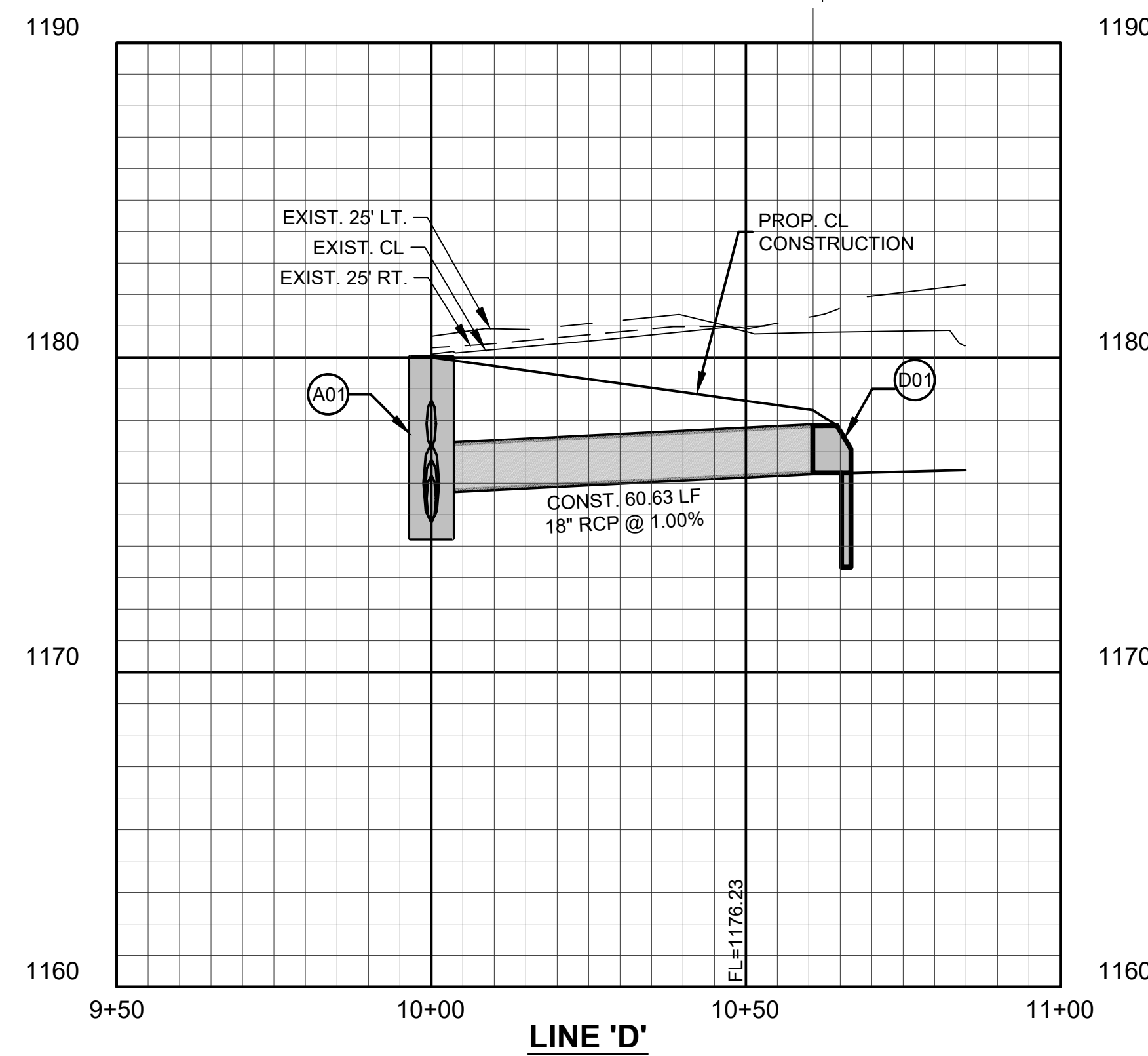
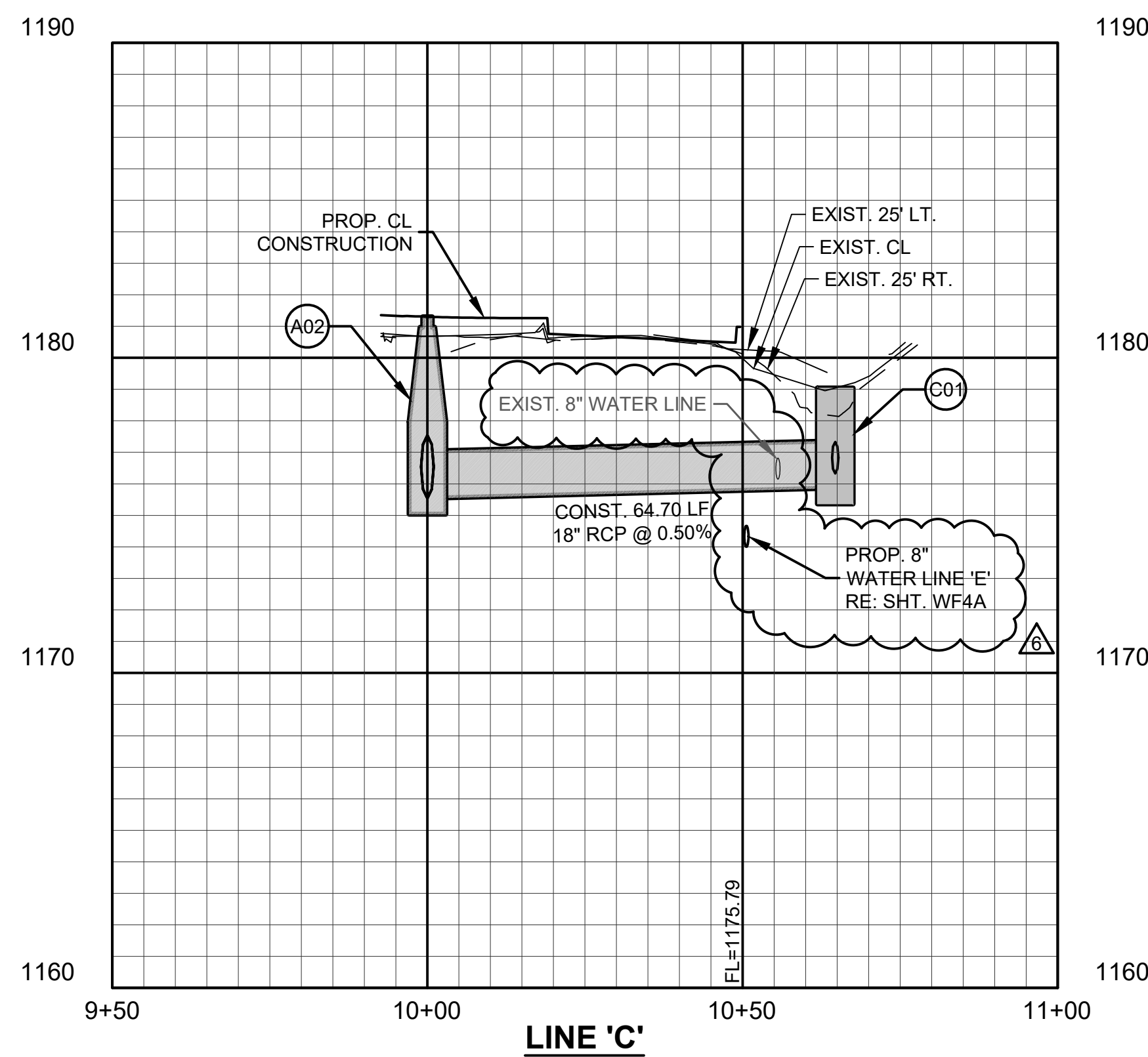
A02 STA. 10+00-CL LINE 'C'  
STA. 11+58.15-CL LINE 'A'  
BEGIN CONSTRUCTION LINE 'C'  
1-STD. 5' DIA. MANHOLE  
TR=1181.50  
FL E=1175.54  
FL W=1175.54  
FL N=1175.54

C01 STA. 10+64.70-CL LINE 'C'  
END CONSTRUCTION LINE 'C'  
CONST. 1-STD. 5'x 5' JUNCTION BOX  
TR=1179.20  
FL S=1175.66  
FL W=1176.33



A01 STA. 10+00-CL LINE 'D'  
STA. 10+00-CL LINE 'A'  
STA. 10+00-CL LINE 'B'  
BEGIN CONSTRUCTION LINE 'D'  
1-STD. 6'x 6' JUNCTION BOX  
TR=1180.20  
FL NE=1174.76  
FL W=1174.76  
FL NW=1174.76  
FL SE=1175.73  
FL SW=1177.14

D01 STA. 10+60.63-CL LINE 'D'  
END CONSTRUCTION LINE 'D'  
CONST. 1- HEADWALL FOR 18" RCP  
FL NW=1176.34

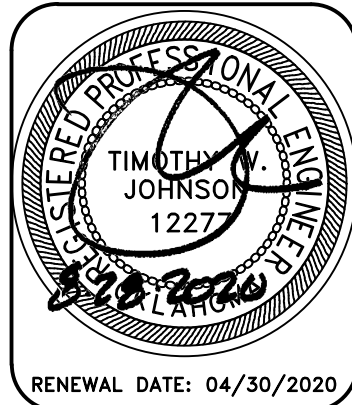


ONE CALL UTILITY LOCATION NUMBER  
840-5032  
1-800-522-6543  
This number is to be used for information on the location of all underground utilities. Contact this number and other numbers specified in the plans prior to any excavation.

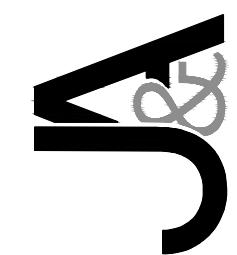
ASAP FILE 14-0029422-010M.dwg, 1/22/2021 12:20 PM, Chris B. Stone  
PLOT FILE 14-0029422-010M.dwg, 1/22/2021 12:20 PM, Chris B. Stone

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| NO. | REVISIONS   | DATE     |
|-----|-------------|----------|
| 1   | ADDITION #1 | 09-08-20 |
| 2   | REVISION #6 | 01-22-21 |



Johnson & Associates, Inc.  
1 E. Sheridan Ave., Suite 200  
Oklahoma City, OK 73104  
(405) 235-8075 FAX (405) 235-8078 www.ja-inc.com  
Certificate of Authorization #1484 Exp. Date: 05-30-2021  
• ENGINEERS • SURVEYORS • PLANNERS •



CITY OF NORMAN - NORTH  
BASE COMPLEX PHASE 1  
NORMAN, CLEVELAND COUNTY, OKLAHOMA  
PRIVATE STORM SEWER PLAN & PROFILE  
LINES 'C' & 'D'

Proj. No.: PV-  
Date: 08-28-20  
Scale: (Horiz.) 1"=20'  
(Vert.) 1"= 4'  
Checked By: \_\_\_\_\_  
Approved By: \_\_\_\_\_

SHEET NUMBER  
**ST6**



**RFI #20 REMOVAL  
OF EXISTING  
UNFORSEEN PIPE**



**SUBCONTRACTOR WORK or**  
**X CONSTRUCTION MANAGER SELF PERFORMED WORK**

***Oakridge Builders a Division of Flintco, LLC***

|                 |  |
|-----------------|--|
| Project Name/#: | Norman North Base - Phase 1 20136 (Main Job) |
| CE No:          | #002   |
| CE Title:       | RFI #20 Removal of Existing Unforeseen Pipe  |
| CE Date:        | 2/4/2021                                     |

[illegible]





Flintco LLC (40-000)  
2302 South Prospect  
Oklahoma City, Oklahoma 73129  
Phone: (405) 670-6307

**Project:** 20136 - City of Norman - North Base Complex Phase 1  
1310-1380 DA Vinci Street  
Norman, Oklahoma 73069

## Unknow Underground Lines

|                         |   |                         |   |
|-------------------------|---|-------------------------|---|
| <b>TO:</b>              | Michael Segroves<br>GSB, Inc.<br>3555 NW 58th Street, Suite 700W<br>Oklahoma City, Oklahoma 73112 | <b>FROM:</b>            | Zack Blair<br>Flintco, LLC - OKC<br>2302 S. Prospect<br>Oklahoma City, Oklahoma 73129 |
| <b>DATE INITIATED:</b>  | 01/22/2021  | <b>STATUS:</b>          | Open  |
| <b>REFERENCE:</b>       |   | <b>DUE DATE:</b>        | 02/02/2021  |
| <b>COST IMPACT:</b>     | Yes (Unknown)   | <b>SCHEDULE IMPACT:</b> | Yes (Unknown)   |
| <b>LINKED DRAWINGS:</b> |   | <b>RECEIVED FROM:</b>   |   |

### COPIES TO:

Carolyn Bennett (GSB, Inc.), Paul D'Andrea (City of Norman), Geoff Evans (Planning Design Group), Phillip Gunderson (Flintco, LLC - OKC), Bill Harrell (ADG), Sarah Hendrickson (ADG), Randy Hill (ADG), Cory Rackley (Flintco, LLC - OKC), Jason A. Spencer (City of Norman), David Stapp (Flintco, LLC - OKC), Ethan Treisa (Flintco, LLC - OKC)

### Question from Zack Blair (Flintco, LLC - OKC) at 04:36 PM on 01/22/2021

Reference attached sketch with photo.

While excavating to subgrade on the south end of the east parking lot on 1/22/2021, two unknown underground lines were uncovered. One of the lines is coated poly, and the other line is steel, but both lines are 3". After researching with Norman Utilities Division and ONG, it was determined that the owner/purpose of these lines is unknown. Both lines are above dirt subgrade for this parking lot and will need to be demoed. Once known, please advise of the plan to demo these lines, and advise if this work will need to be performed by Flintco.

### Attachments:

[RFI 020 - SK1.pdf](#)

### Official Response

Awaiting an Official Response

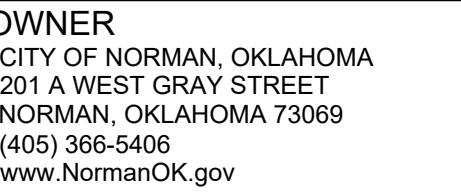
### All Replies: RESPONSE 2021 01 26:

REFER TO THE ATTACHED AERIAL PHOTOGRAPHY DATED 1951 & 1963 RESPECTIVELY. BASED ON THIS, THE LINES WOULD APPEAR TO HAVE SERVED STRUCTURES THAT HAVE BEEN PREVIOUSLY DEMOLISHED.

SINCE THE CONTRACTOR HAS DETERMINED THAT THESE LINES ARE NOT OWNED BY THE CITY OF NORMAN, FLINTCO SHALL CONTACT OKIE TO DETERMINE IF THERE ARE ANY EXISTING ATLASES THAT MAY CONTAIN OWNERSHIP INFORMATION ON THE LINES. IF NONE CAN BE DETERMINED, THE CONTRACTOR SHALL OBTAIN A COST PROPOSAL FROM A QUALIFIED UTILITY LOCATION COMPANY TO DETERMINE THE EXTENT OF THE LINES AND/OR IF THEY ARE ABANDONED OR CONNECTED INTO ANY EXISTING ACTIVE UTILITIES THAT MAY INDICATE OWNERSHIP OR TYPE. IF NONE CAN BE DETERMINED, THE CONTRACTOR OR THEIR DESIGNATED & QUALIFIED UTILITY LOCATOR SHALL TAP THE LINES TO DETERMINE TYPE AND ACTIVE STATUS.

MICHAEL SEGROVES, AIA / AICP  
PROJECT ARCHITECT - GSB ARCHITECTS





**ARCHITECT**  
GSB, INC  
3555 NW 58th Street, Suite 700W  
Oklahoma City, OK 73112  
(405) 848-9549  
[www/gsb-inc.com](http://www/gsb-inc.com)

**CIVIL ENGINEER**  
JOHNSON & ASSOCIATES  
1 EAST SHERIDAN AVE.- STE. 200  
OKLAHOMA CITY, OKLAHOMA 73104  
(405) 235-8075  
[www.jackc.com](http://www.jackc.com)

**STRUCTURAL ENGINEER**  
WALLACE ENGINEERING  
410 NORTH WALNUT AVE. - STE. 200  
OKLAHOMA CITY, OK 73104  
(405) 236-5858  
[www.wallacesc.com](http://www.wallacesc.com)

M/ P/ FP ENGINEER  
ALLEN CONSULTING, INC.  
110 NORTH MERCEDES DRIVE  
NORMAN, OK 73069  
(405) 928-7702  
[www.acimep.com](http://www.acimep.com)

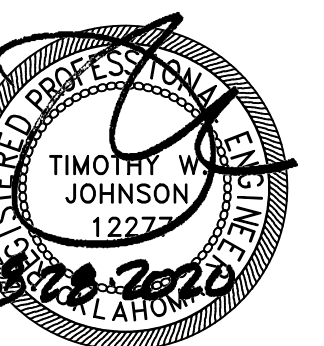
**ELECTRICAL ENGINEER**  
HORNER ASSOCIATES ENGINEERS  
1306 COMMERCE DRIVE  
NORMAN, OKLAHOMA 73071  
(405) 801-2528  
[www.haelinc.com](http://www.haelinc.com)

**LANDSCAPE ARCHITECT**  
PLANNING DESIGN GROUP  
5314 SOUTH YALE AVE - STE. 510  
TULSA, OKLAHOMA 74135  
(918) 628-1255  
[www.planningdesigngroup.com](http://www.planningdesigngroup.com)

CITY OF NORMAN  
NORTH BASE COMPLEX - PHASE 1  
1310-1380 DA VINCI STREET  
NORMAN, OK



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RENEWAL DATE: 04/30/2020

[illegible]

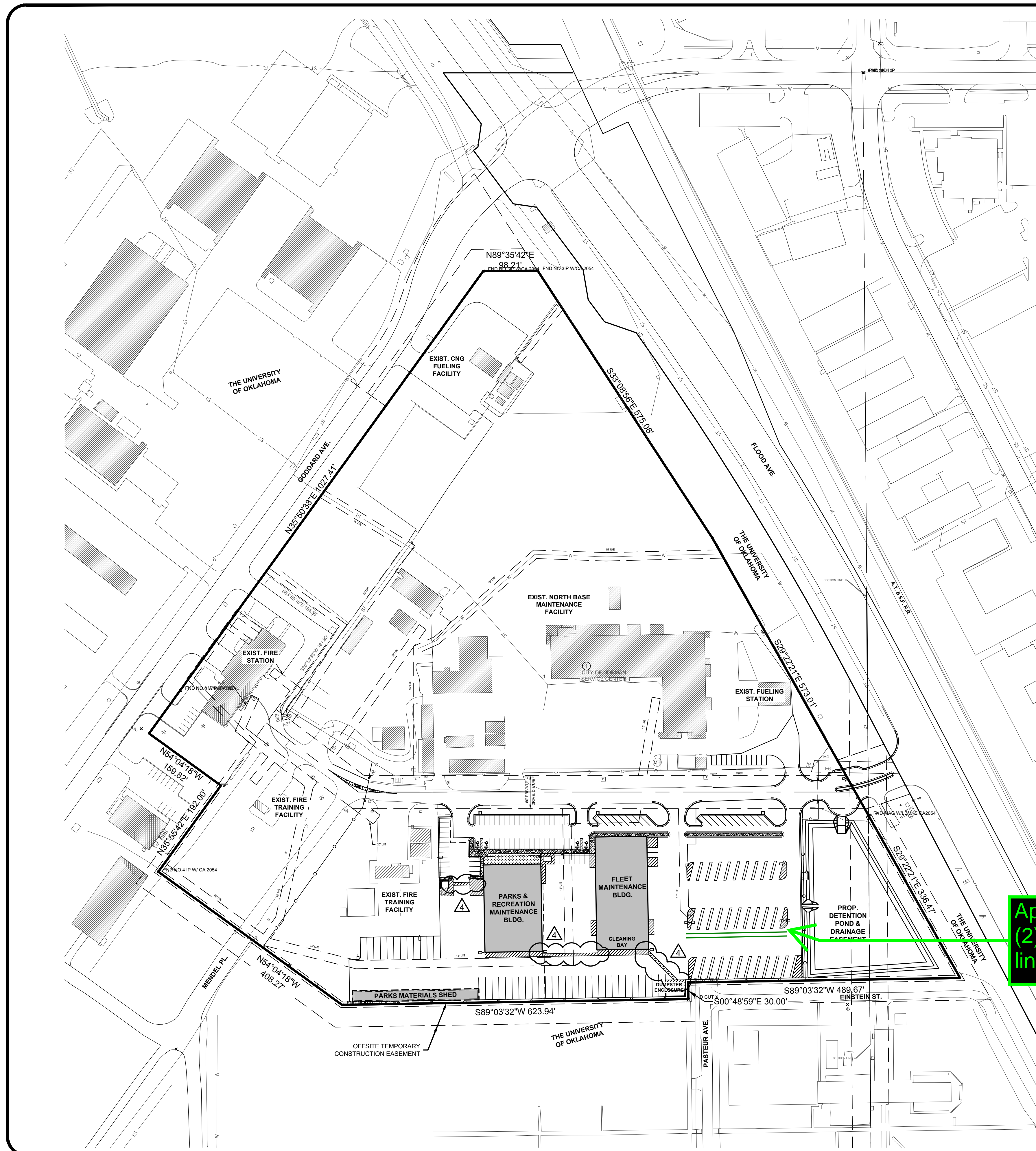
SB PROJECT NO.  
191650

DRAWING TITLE  
OVERALL SITE  
GENERAL LAYOUT

DATE 4-28-20

DRAWING NO.

## C1.0



Approximate location of  
(2) - 3" underground  
lines



| NO.       | DESCRIPTION                 |
|-----------|-----------------------------|
| C1.0      | OVERALL SITE GENERAL LAYOUT |
| C1.1      | GENERAL NOTES               |
| FP1-FP2   | FINAL PLAT                  |
| C2.0      | TOPOGRAPHIC SURVEY          |
| C3.0-C3.1 | DEMOLITION PLAN             |
| 4.0-C4.3  | SITE DIMENSIONAL PLAN       |
| 5.0-C5.4  | PAVING & GRADING PLAN       |
| 6.0-C6.1  | UTILITY PLAN                |
| 7.0-C7.2  | DETAILS                     |
| C1-EC4    | EROSION CONTROL PLAN        |
| WF1-WF5   | WATER LINE PLANS            |
| SS1-SS4   | SAN. SEWER PLANS            |
| ST1-ST7   | STORM SEWER PLANS           |
| DP1-DP3   | DETENTION POND PLAN         |

CITY OF NORMAN  
BASE COMPLEX F

NORMAN. CLEVELAND COUNTY. OKLAHOMA

OVERALL SITE GENERAL I AYOIT

Proj. No.: \_\_\_\_\_  
Date: 08-28-20  
Cost: 15,100

Scale: 1"=100'

Checked By: \_\_\_\_\_

Approved By: \_\_\_\_\_

SHEET NUMBER

**SHEET NUMBER**  
**01**

C310

**010**

CITY OF NORMAN - NORTH BASE COMPLEX PHASE 1



# **RFI #17 ADDITIONAL FOUNDATIONS AT FLEET BUILDING**



## PROPOSED CHANGE ORDER SUMMARY

**Subcontractor Name (if applicable):**

***Oakridge Builders a Division of Flintco, LLC/4G Concrete, Inc.***

**SUBCONTRACTOR WORK or**  
**X CONSTRUCTION MANAGER SELF PERFORMED WORK**

## THE CITY OF NORMAN

|                 |  |
|-----------------|--|
| Project Name/#: | Norman North Base - Phase 1 20136 (Main Job)     |
| CE No:          | #002   |
| CE Title:       | RFI #17 Additional Foundations at Fleet Building |
| CE Date:        | 2/4/2021   |

[illegible]

SUPPORTING DOCUMENTATION MUST BE ATTACHED





Flintco LLC (40-000)  
2302 South Prospect  
Oklahoma City, Oklahoma 73129  
Phone: (405) 670-6307



RFI #17

Project: 20136 - City of Norman - North Base Complex Phase 1  
1310-1380 DA Vinci Street  
Norman, Oklahoma 73069

## Interior Column Discrepancies Fleet Maintenance

|                  |   |                  |  |
|------------------|---|------------------|--|
| TO:              | Michael Segroves<br>GSB, Inc.<br>3555 NW 58th Street, Suite 700W<br>Oklahoma City, Oklahoma 73112 | FROM:            | Phillip Gunderson<br>Flintco, LLC - OKC<br>2302 S. Prospect<br>Oklahoma City, Oklahoma 73129 |
| DATE INITIATED:  | 01/05/2021  | STATUS:          | Open   |
| REFERENCE:       |   | DUE DATE:        | 01/14/2021   |
| COST IMPACT:     | TBD   | SCHEDULE IMPACT: | No   |
| LINKED DRAWINGS: |   | RECEIVED FROM:   | David Stapp (Flintco, LLC - OKC)   |

### COPIES TO:

Carolyn Bennett (GSB, Inc.), Zack Blair (Flintco, LLC - OKC), Paul D'Andrea (City of Norman), Geoff Evans (Planning Design Group), Randy Hill (ADG), Cory Rackley (Flintco, LLC - OKC), David Stanton (GSB, Inc.), David Stapp (Flintco, LLC - OKC), Ethan Treisa (Flintco, LLC - OKC), Steve Tresemer (GSB, Inc.)

### Question from Phillip Gunderson (Flintco, LLC - OKC) at 12:11 PM on 01/05/2021

See the attached excerpt from the Approved as Noted Nucor PEMB Drawings for the Fleet Maintenance Building.

Upon review, Flintco noticed the following discrepancies from the current Structural Drawings issued with Revision 5.

See noted discrepancies below and requested confirmation:

1. Per the Structural Drawings no foundations are currently show under the six (6) interior columns (J) for the bridge crane. Please confirm if foundations are required. Also, please confirm/provide an embed and/or foundation detail for the anchor bolts in these locations.
2. Two (2) interior columns (AA) are currently shown on Nucor's PEMB Drawings; however, are not shown on the current Structural Drawings. Please confirm the addition/location of these columns is acceptable. If so, please provide the foundation details required at these column locations.
3. One (1) interior column (AA) is currently shown on Nucor's PEMB Drawings; however, is shown in a different location on the current Structural Drawings. Please confirm the location of this columns is acceptable. If so, please provide the foundation details required at these column locations.

### Attachments:

[Fleet Building - Drawings.pdf](#)

### Official Response

Awaiting an Official Response

### All Replies: RESPONSE 2021 01 20:

BRIDGE CRANE COLUMNS (J) SHALL RECEIVE TYPE F6 FOOTINGS - REFERENCE DETAIL 8/S2-01 FOR SIZE AND REINFORCING FOR TYPE F6 COLUMN FOOTINGS.

AA COLUMNS ADDED FOR MEZZANINE SUPPORT SHALL BE COORDINATED AND RELOCATED INSIDE OF WALLS FOR ADEQUATE SUPPORT OF MEZZANINE STRUCTURE. AA COLUMNS SHALL RECEIVE TYPE F3 FOOTINGS - REFERENCE DETAIL 8/S2-01 FOR SIZE AND REINFORCING FOR TYPE F3 COLUMN FOOTINGS

REVISED STRUCTURAL DRAWINGS WILL BE ISSUED IN REVISION 6, FOLLOWING THE RECEIPT OF REVISED METAL BUILDING DRAWINGS

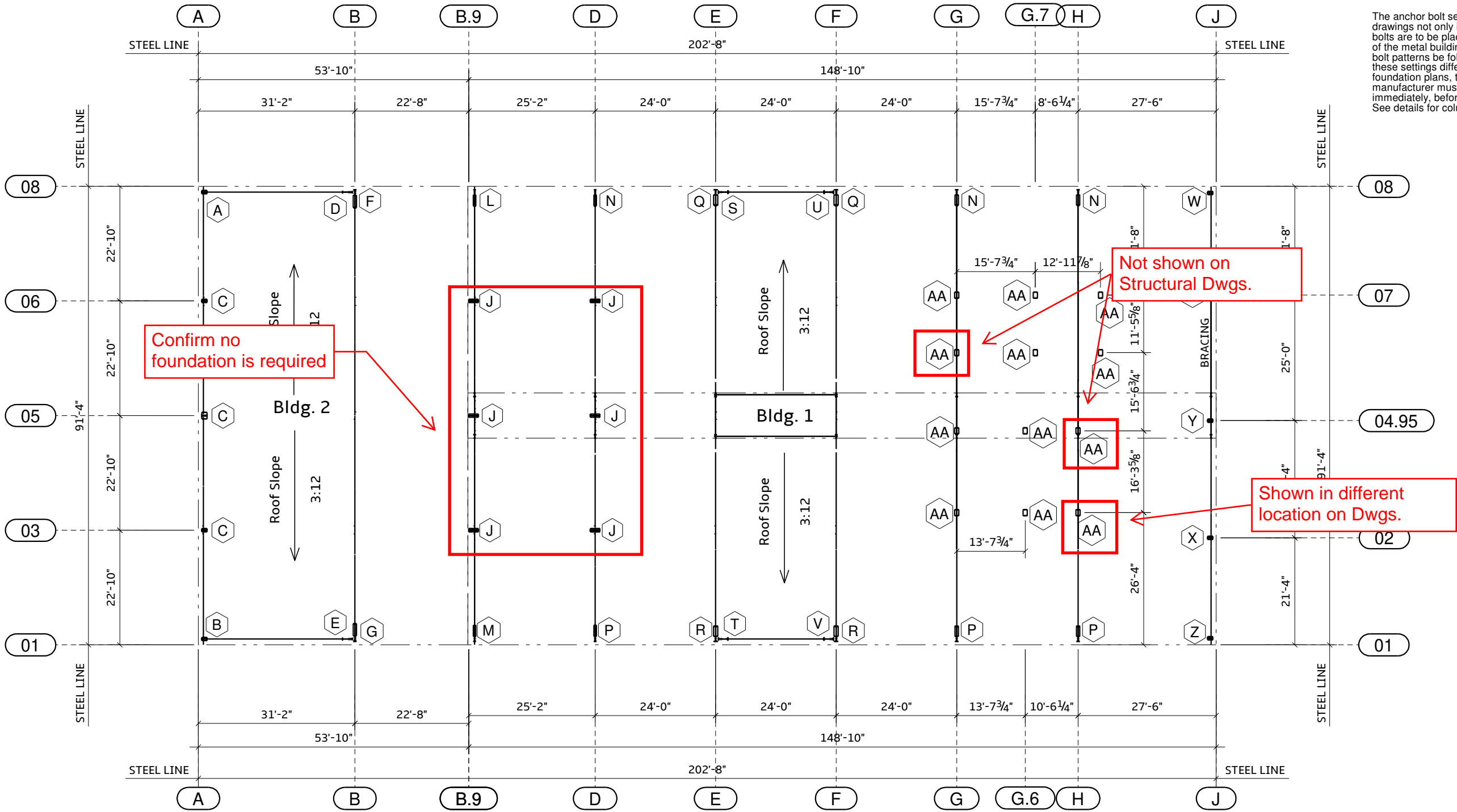
MICHAEL SEGROVES - PROJECT ARCHITECT  
FOR GSB, INC. ARCHITECTS & PLANNERS







Finished Floor = 100'-0"  
Bottom of Baseplate Elevation = 100'-0" U.N.O.



The anchor bolt settings shown on these drawings not only indicate where the anchor bolts are to be placed, but also the footprint of the metal building. It is essential that these bolt patterns be followed. In the event that these settings differ from the architectural foundation plans, the metal building manufacturer must be contacted immediately, before concrete is placed. See details for column orientation.

| Anchor Bolt Schedule |                 | DATE       |
|----------------------|-----------------|------------|
| 184                  | 3/4" F1554-36   | 12/9/2020  |
| 8                    | 1 1/4" F1554-36 | 12/18/2020 |

| ISSUE        | DATE       | PE | ENG | CHK | DWN | APP | DATE |
|--------------|------------|----|-----|-----|-----|-----|------|
| Anchor Bolts | 12/9/2020  |    |     |     |     |     |      |
| Approvals    | 12/18/2020 |    |     |     |     |     |      |

**NUCOR**  
BUILDING SYSTEMS GROUP  
600 Apache Trail  
Terrell, TX 75160  
Phone: (972) 524-5407  
Fax: (972) 524-5417

**IAS**  
ACCREDITED  
Member of the International Association of Building Officials (IABO)

|  |  |                         |                                 |
|--|--|-------------------------|---------------------------------|
| PROJECT NAME<br>North Base Complex-Phase 1-Fleet Maintenance Building<br>Norman, Cleveland, OK | CUSTOMER NAME<br>Elite Star Construction, LLC<br>Chickasha, OK | JOB NUMBER<br>T20E0456A | SHEET TITLE<br>Anchor Bolt Plan |
|--|--|-------------------------|---------------------------------|

## Notes:

The specified anchor rod diameter assumes F1554 grade 36 unless noted otherwise. Anchor rod material of equal diameter meeting or exceeding the strength requirements set forth on these drawings may be utilized at the discretion of the foundation design engineer. Anchor rod embedment length shall be determined by the foundation design engineer.

Metal building manufacturer is not responsible for project foundation design. The foundation design is the responsibility of a registered professional engineer, familiar with local site conditions.

All anchor rods, flat washers for anchor rods, expansion bolts, as well as all concrete/masonry embedment plates are not by metal building manufacturer.

This drawing is not to scale.

The anchor bolt locations provided by metal building manufacturer satisfy pertinent requirements for the design of the materials supplied by the metal building manufacturer. Please note that these requirements may not satisfy all anchor bolt concrete edge distance requirements depending on the details of the foundation design. Because foundation design is not within the metal building manufacturer scope of work, it is the responsibility of the qualified professional designing the foundation to make certain that sufficient concrete edge distance is provided for the anchor bolts in the details of the foundation design.



# **ASI 001: BRIDGE CRANE ELECTRICAL COST REDUCTION**



## DSE Bidding and Estimating Form

Job: NORTH BASE

Page # 1

Area: ASI 001 FLEET BRIDGE CRANE

Enter E, C or W in Unit

| Item   | Qty | Unit | Description  | Labor Hours | Ext   | Material | Ext     |
|--------|-----|------|--|-------------|-------|----------|---------|
| 1      |     |      | per ASI 001 change feed, breaker, and disconnect for 30 amps instead             |             |       |          |         |
| 2      |     |      | of the original 40amps. Delete circuit FN2B-38 also                              |             |       |          |         |
| 3      |     |      |  |             |       |          |         |
| 4      | 270 | e    | (3 x 90') cost difference for the #10 wire... deduct of .08 per foot             |             |       | -0.08    | -21.60  |
| 5      | 180 | e    | (2 x 90') delete circuit FN2B-38, #12 wire... Deduct wire, homerun conduit stays |             |       | -0.20    | -36.00  |
| 6      | 2   | e    | 10' sticks of 1/2" conduit to homerun box will delete for FN2B-38                |             |       | -4.60    | -9.20   |
| 7      | 1   | e    | 1 man 2 hours labor deduct for the conduit deleted and manual motor starter      | -2          | -2.00 |          |         |
| 8      | 1   | e    | total deduct for breaker, and disconnect change                                  |             |       | -200.00  | -200.00 |
| 9      |     |      |  |             |       |          |         |
| 10     |     |      |  |             |       |          |         |
| 11     |     |      |  |             |       |          |         |
| 12     |     |      |  |             |       |          |         |
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| 29     |     |      |  |             |       |          |         |
| 30     |     |      |  |             |       |          |         |
| 31     |     |      |  |             |       |          |         |
| 32     |     |      |  |             |       |          |         |
| Totals |     |      |  | -2          | -2.00 |          | -266.80 |

Labor Hour Rate 60

Total Labor -120

Total Material -267

Total Opening 0

Total -387

Total Page 1

Profit





**Horner Associates Engineers, Inc.**

1306 Commerce Dr, Norman, OK 73071  
email jhorner@haeinc.com Phone (405) 801-2528 Fax (405) 801-2529

# Architect's Supplemental Instructions

**Date:** December 30, 2020

**Project No.** 20-008

**To:** **Michael Segroves, GSB**  
**cc:**

**Project:** North Base Complex – Phase 1, City of Norman, OK

Please include the following in your next ASI:

Item E1 REFERENCE THE CONTRACT DRAWINGS, SHEET E3-03: Change 480V, three phase branch circuit for overhead crane from 40A to 30A and eliminate the 120V control power circuit for a net credit to contract. If change does not result in a net credit this item shall be left as is.

1. Change disconnect switch from NF/60A to NF/30A.
2. Delete NEMA 4 requirement on the disconnect switch. NEMA 1 is acceptable.
3. Change circuiting from 3 #8, 1 #10 GND., to 3 #10, 1 #10 GND. Change associated circuit breaker from 3P60A to 3P30A.
4. Delete circuit FN2B-38 and associated manual motor starter & circuiting. Mark breaker as "Spare" in panel schedule.



**ALTERNATE  
(PARKS BUILDING):  
NON-PREVAILING WAGE  
CONFIRMATION**





Flintco LLC (40-000)  
2302 South Prospect  
Oklahoma City, Oklahoma 73129  
Phone: (405) 670-6307

Project: 20136 - City of Norman - North Base Complex Phase 1  
1310-1380 DA Vinci Street  
Norman, Oklahoma 73069

## Prevailing Wage Exclusion on Parks Maintenance Building (Alt #1)

|                  |   |                  |  |
|------------------|---|------------------|--|
| TO:              | Michael Segroves<br>GSB, Inc.<br>Oklahoma | FROM:            | Phillip Gunderson<br>Flintco, LLC - OKC<br>2302 S. Prospect<br>Oklahoma City, Oklahoma 73129 |
| DATE INITIATED:  | 11/10/2020                                | STATUS:          | Open   |
| REFERENCE:       |   | DUE DATE:        | 11/19/2020   |
| COST IMPACT:     | No  | SCHEDULE IMPACT: | No   |
| LINKED DRAWINGS: |   | RECEIVED FROM:   | Cory Rackley (Flintco, LLC - OKC)  |

### COPIES TO:

Carolyn Bennett (GSB, Inc.), Geoff Evans (Planning Design Group), Randy Hill (ADG), Cory Rackley (Flintco, LLC - OKC), Jason A. Spencer (City of Norman), David Stanton (GSB, Inc.), Ethan Treisa (Flintco, LLC - OKC), Steve Tresemer (GSB, Inc.)

### Question from Phillip Gunderson (Flintco, LLC - OKC) at 12:29 PM on 11/10/2020

As discussed previously with the City of Norman, the Parks Maintenance Building (Alt #1) will not be subject to Prevailing Wage.

Upon review, Flintco has been unable to find documentation validating the above mentioned Prevailing Wage exclusion.

Flintco requests formal confirmation and documentation of the Prevailing Wage exclusion on Parks Maintenance Building (Alt #1) be provided.

### Official Response

Awaiting an Official Response

### All Replies: [Architect / Owner Response - 2020 / 11 / 12](#)

Refer to attached letter from the City of Norman and associated documentation.

Per discussion in the pre-bid & pre-construction conferences, the Parks Maintenance Building construction and associated earthwork, subgrade, foundations, utilities and pavement within a ten (10') foot perimeter around the building are defined in the Bid Documents and Construction Documents as Add Alternate 01.

All funding for Add Alternate 01 comes from non-federal, City of Norman municipal sources. As no Federal funding will be utilized for this portion of the Contract, work bid and performed under Add Alternate 01, no federal requirements will apply to this portion of the work, including, but not limited to Davis-Bacon Prevailing Wage requirements. As noted in the pre-construction conference, the General Contractor (Flintco LLC) will track and bill this work on a separate payment application monthly to prevent the co-mingling of federal funds with this portion of the work.

Michael Segroves, AIA/AICP  
Project Architect - GSB





# The City of NORMAN

PUBLIC WORKS DEPARTMENT

201 West Gray, Bldg. A • P.O. Box 370  
Norman, Oklahoma 73069 • 73070

Phone: 405-366-5452  
Fax: 405-366-5418

November 12, 2020

Kirk Mammen  
Vice President - Flintco  
2302 S. Prospect  
Oklahoma City, OK 73129

Michael Segroves, AIA  
Director of Production – GSB, Inc.  
3555 NW 58th Street, Suite 700W  
Oklahoma City, OK 73112

Subject: Prevailing Wage Exclusion on Parks Maintenance Building (Add Alternate 1)

Dear Mr. Mammen and Mr. Segroves,

This letter provides formal documentation that the Davis Bacon Prevailing Wage requirements listed in Section 00-73-00 and Section 00-73-46 of the City of Norman – North Base Complex, Phase 1 Project Manual apply to the Base Bid only. Add Alternate 1 (Parks Maintenance Building) is excluded from the Davis Bacon Prevailing Wage requirements because no federal funding will be used for this Add Alternate. Per the enclosed email correspondence with the FTA, because no federal funds are involved in the alternate bid for the Parks Maintenance Facility (stand-alone facility), no federal requirements would apply to the alternate bid and award.

All bidders were notified of this exclusion at the Pre-Bid meeting held on September 10, 2020. This letter serves to document the exclusion.

Sincerely,

Jason A. Spencer, P.E.  
Capital Projects Engineer  
City of Norman  
Ph: 405-366-5315  
Email: [jason.spencer@normanok.gov](mailto:jason.spencer@normanok.gov)

Enclosures



## Jason Spencer

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**Subject:** FW: 7358-2020-3 CARES Act Application  
**Attachments:** Transit Operations & Maintenance Facility - Preliminary Schedule (06.04.20).pdf; Transit Operations & Maintenance Facility - Preliminary Budget (06.04.20).pdf; Transit Operations & Maintenance Facility - Site Map.pdf

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**From:** Bartels, David (FTA) <david.bartels@dot.gov>  
**Sent:** Tuesday, June 16, 2020 11:05 AM  
**To:** Taylor S. Johnson <Taylor.Johnson@NormanOK.gov>  
**Cc:** Peschell, Daniel (FTA) <daniel.peschell@dot.gov>; Jason Spencer <Jason.Spencer@NormanOK.gov>; Shawn O'Leary <Shawn.OLeary@NormanOK.gov>; Koski, Donald (FTA) <Donald.Koski@dot.gov>; Wallace, Laura (FTA) <Laura.Wallace@dot.gov>; Ayala, Abel (FTA) <Abel.Ayala@dot.gov>  
**Subject:** EXTERNAL EMAIL : FW: 7358-2020-3 CARES Act Application

Taylor –

I have reviewed the attached site plan, schedule and budget, as well as your responses to my comments below, with FTA Region 6 staff. We have identified 3 issues that Norman (City) should consider for this project and the grant application. The issues follow.

**Issue 1:**

The attached site plan shows a larger project, North Base complex, but also shows the improvements required for a fully functioning Transit Operations/Maintenance Facility. The facility scope includes areas for transit specific activities for operations, maintenance, maintenance support, employee parking, bus circulation, and bus parking, but also included is water, sewer, electric, drainage, site paving and a detention pond for the entire complex. As I understand it, there is no funding for the remaining areas of the complex, which are identified as funded separately or not included on the site plan, but the City plans to pay for the areas identified above and as shown on the site plan with FTA and local funding.

Under the federal cost principles at 2 CFR part 200, to be eligible for FTA funding, a project cost must be reasonable, allowable, and allocable. So, while the costs for the improvements that would benefit the whole project may be reasonable and allowable for both the transit and non-transit parts of the overall project, the FTA-eligible cost of those improvements may only be for those costs that are specifically allocable to the transit project. So, whatever portion of the parking, utilities, drainage, site paving, and the detention pond that can be reasonably attributed for the necessary use or benefit of the transit project would be eligible costs for the federal portion of the project.

There is no FTA guidance for determining what proportion of the costs for utilities, site paving and a detention pond for the entire complex are allocable to the Transit Operations and Maintenance Facility; however, the TrAMS budget must reflect the FTA-eligible costs allocable to the transit facility and transit uses. Any non-transit costs must be removed and/or shown as locally funded. Please document an estimate of the costs allocable to the transit facility and transit uses and submit it to FTA Region 6 for review/concurrence.

**Issue 2:** You communicated that Fire trucks will also be maintained in the facility so long as it does not interfere with the maintenance of the public transit fleet. As you may know, FTA considers this is an incidental use, which involves the non-transit use of transit property. This is a permissible use, but it is subject to the conditions for an incidental use that are described in FTA Circular 5010.1E, Award Management Requirements. Prior to the incidental use, the City must document compliance with FTA Circular 5010.1E.



### Issue 3:

You communicated that the City potentially has bond elections going to the voters at the end of August, and if approved, the rest of the complex would be funded once the bonds were sold. The City is looking at how the non-transit portions of the complex can be bid as alternates to the base bid (transit operations/maintenance facility) should additional local funding become available.

The City should be able to develop a solicitation where the non-transit portions of the complex can be bid as alternates to the base bid (transit operations/maintenance facility) subject to the condition of future funding becoming available. In addition, since some of the improvements to the overall complex (as discussed above) would be eligible and allocable costs, this means that a contract to construct the overall complex would need to comply with all applicable federal procurement requirements. This is also referred to as federalizing the project.

If the city did not want federal requirements to apply to the allocable improvements discussed above (even though the allocable improvements would be eligible costs), The City could issue a solicitation that makes it clear that the federal requirements would only apply to the O&M facility and the City would locally fund the remainder of the overall complex. As a result, if no federal funds are involved in an alternate bid, which might include the Parks Maintenance Facility (stand-alone facility), no federal requirements would apply to the alternate bid and award. This issue, which is more of a potential scenario, does not need to be addressed in the TrAMS application at this time.

To expedite processing of the TrAMS application, I am available to discuss these issues with you and your staff this week. Please let me know what dates/times work you.

Thank you,

David Bartels  
FTA Region 6  
(817) 978-0572

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**From:** Taylor S. Johnson [<mailto:Taylor.Johnson@NormanOK.gov>]

**Sent:** Friday, June 5, 2020 11:41 AM

**To:** Bartels, David (FTA) <[david.bartels@dot.gov](mailto:david.bartels@dot.gov)>

**Cc:** Peschell, Daniel (FTA) <[daniel.peschell@dot.gov](mailto:daniel.peschell@dot.gov)>; Jason Spencer <[Jason.Spencer@NormanOK.gov](mailto:Jason.Spencer@NormanOK.gov)>; Shawn O'Leary <[Shawn.OLeary@NormanOK.gov](mailto:Shawn.OLeary@NormanOK.gov)>

**Subject:** RE: 7358-2020-3 CARES Act Application

David,

Please see our response to your comments below in red.

- The TrAMS application in the subject line does not include an ALI for construction of a transit operations/maintenance facility. Does the application need to be updated?
  - Application subject line updated.
- Can you provide me a detailed description of the "project"? This might clear up much of my confusion. Nowhere in the site plan, schedule and budget do you use "transit operations/maintenance facility".
  - The Fleet Maintenance building is the transit operations/maintenance facility. We will rename it on the site plan. In that facility there is an admin portion (on the north side) that will house transit operations (managers, dispatchers, schedulers, office admins, etc.) and will include restrooms, lockers, breakroom, driver's lounge, conference/training room, etc. The majority of the building are the maintenance bays (south of the admin/operations portion) that will be used to maintain the public transit fleet. Fire trucks will also be maintained here so long as it does not interfere with the maintenance of the public transit fleet. South of the maintenance bays will be a parts room, tool room, and lube room. Finally, the last part of the building is a cleaning bay that will be used for interior cleaning of the buses and some minor power washing.



**DELAY DAYS**



### Norman North Base - Phase 1: Weather Day Log

| Month and Year      | Weather Days Incurred | Actual Weather Days Claimed |
|---------------------|-----------------------|-----------------------------|
| November-20         | 3                     | 3                           |
| December-20         | 10                    | 10                          |
| January-20          | 7                     | 7                           |
| February-20         | 0 (as of 02/05)       | 0 (as of 02/05)             |
| March-20            |                       |                             |
| April-20            |                       |                             |
| May-20              |                       |                             |
| June-20             |                       |                             |
| July-20             |                       |                             |
|                     |                       |                             |
|                     |                       |                             |
| <b>Total (Days)</b> | 20                    | 20                          |

|    | <u>Date</u> | <u>Days</u> | <u>Reason</u>                          |
|----|-------------|-------------|--|
| 1  | 23-Nov-20   | 1           | Wet & Muddy Conditions                 |
| 2  | 24-Nov-20   | 1           | Rain, Wet & Muddy Conditions           |
| 3  | 25-Nov-20   | 1           | Wet & Muddy Conditions                 |
| 4  | 3-Dec-20    | 1           | Rain, Wet & Muddy Conditions           |
| 5  | 4-Dec-20    | 1           | Wet & Muddy Conditions                 |
| 6  | 14-Dec-20   | 1           | Snow, Ice, Wet & Muddy Conditions      |
| 7  | 15-Dec-20   | 1           | Snow, Ice, Wet & Muddy Conditions      |
| 8  | 16-Dec-20   | 1           | Snow, Ice, Wet & Muddy Conditions      |
| 9  | 17-Dec-20   | 1           | Wet & Muddy Conditions                 |
| 10 | 18-Dec-20   | 1           | Wet & Muddy Conditions                 |
| 11 | 29-Dec-20   | 1           | Rain, Wet & Muddy Conditions           |
| 12 | 30-Dec-20   | 1           | Rain/Snow, Ice, Wet & Muddy Conditions |
| 13 | 31-Dec-20   | 1           | Rain/Snow, Ice, Wet & Muddy Conditions |
| 14 | 4-Jan-21    | 1           | Wet & Muddy Conditions                 |
| 15 | 5-Jan-21    | 1           | Wet & Muddy Conditions                 |
| 16 | 6-Jan-21    | 1           | Wet & Muddy Conditions                 |
| 17 | 7-Jan-21    | 1           | Wet & Muddy Conditions                 |
| 18 | 8-Jan-21    | 1           | Wet & Muddy Conditions                 |
| 19 | 25-Jan-21   | 1           | Rain, Wet & Muddy Conditions           |
| 20 | 26-Jan-21   | 1           | Wet & Muddy Conditions                 |

Note: Flintco also incurred a two (2) working day delay due at the beginning of the project due to a delay receiving the Permitted Utility Drawings.

Days of Delay:

November 2, 2020

November 3, 2020