

# GENERAL NOTES:

1. Contractor will be required to provide notice to utility companies a minimum of forty-eight (48) hours prior to any excavation, as follows:

Kansas One-Call 687-2470

The Contractor must notify the following in case of an emergency:

- Cox Communications 262-4270
- Kansas Gas Service 1-888-482-4950
- Westar Energy 383-8650
- Aquila Energy 1-800-303-0357
- AT&T 268-2245
- City of Wichita Water Dept. 268-4563
- City of Wichita Sewer Maint. 268-4024
- City of Wichita Storm Sewer Maint. 268-4090
- City of Wichita Traffic Maint. 268-4034
- Conoco Phillips Pipeline Co. 1-877-267-2290
- Southern Star Pipeline Co. 529-6600
- Kinder-Morgan Pipeline Co. 1-888-844-5658

2. Utility service lines, poles, valve boxes, meters, and etcetera are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

3. Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations, in the opinion of the Engineer, that will leave an unsightly appearance will not be approved. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain would require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps. of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits would require additional archaeological investigations unless buried in a previously approved borrow location.

4. Trees and shrubs in the work area which are in direct conflict with proposed new construction shall be removed by the Contractor ONLY with Developer or Baughman Company approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage. If trimming is necessary, a chainsaw shall be used. Breaking limbs with equipment will not be allowed. An on-site pre-construction meeting will occur prior to any construction to discuss tree removal, tree protection and tree trimming.

5. The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days notice prior to start of construction.

6. The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.

7. All existing and proposed erosion control measures including silt fencing, erosion control mat, straw bales, inlet barriers, and const. entrance shall be maintained throughout construction by the contractor and until project is accepted by the City of Wichita. The on-site engineer shall complete weekly reports on the status of erosion control measures. The contractor shall be required to comply with maintenance and/or replacement of erosion control measures as determined by the on-site engineer until project is accepted by City of Wichita. Maintenance and/or replacement of erosion control measures to be paid by L.S. bid item "Maintain Existing BMP's."

8. All excess excavation shall remain on-site and shall be stockpiled or spread at a location determined by the engineer.

9. The Contractor shall be responsible for maintaining continuous flow of sewage through construction. Contractor's proposed method for maintaining sewage flow shall be approved by the Engineer. Cost of maintaining flow of sewage through construction will not be paid for directly and this cost shall be considered as subsidiary to the other pay items of work.

10. All areas disturbed during construction shall be seeded as follows (Temporary Seeding):

Seed: Rye grass (PLS)--5 lbs./1000 Sq. Ft.  
Fertilizer and Mulch: per City Specifications

All costs associated with seeding shall be included in bid item "Seeding". All seeding operations shall conform to City of Wichita Standard Specifications.

11. The proposed internal gravity sanitary sewer will be constructed by others. That project bid date is planned for September, 2017. The contractor for this project and the internal sewer will be required to coordinate scheduling and construction activities. All contractors on-site will be required to coordinate construction activities.

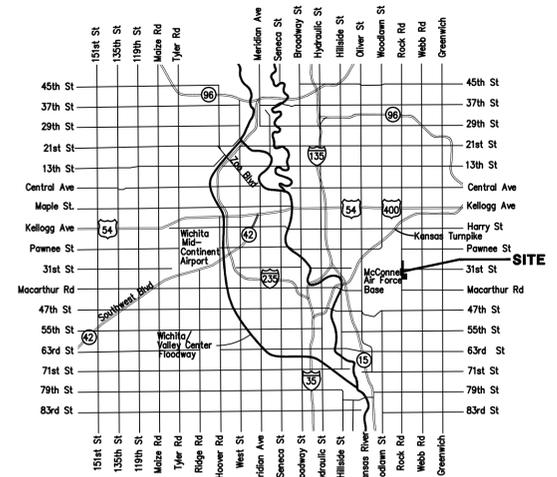
12. Construction Phasing:  
Line 2 of the gravity sanitary sewer main shall be constructed first to allow for construction of internal sanitary sewer by others.

13. If traffic is impacted by construction, a traffic control plan must be submitted and approved by the City Traffic Engineer, Brian Coon, at traffic@wichita.gov before construction can begin. The Contractor shall be responsible for all traffic control measures to facilitate construction. All construction zone markings and signage shall conform to the latest version of Manual on Uniform Traffic Control Devices (MUTCD) as published by the US Dept. of Transportation, Federal Highway Administration. All costs associated with construction markings and signage shall be the Contractors responsibility.

14. The Developer for this project is Jay Russell, Ph. 722-2417

# Main 28, WIS SANITARY SEWER IMPROVEMENTS to serve **ROCKY FORD ADDITION** CITY OF WICHITA, KANSAS

Gary Janlen, P.E. City Engineer  
Project Number 468-84465  
OCA Number 621102



## Vicinity Map

## BENCHMARKS

**BM #1:** City of Wichita Benchmark Disk at South End of Hubguard on the SW Cor. of R.C.B.G., West Side of Rock Road, 706' North-Northwest Corner of Lot 44, Block A, Rocky Ford Addition  
Elev. = 1368.14 NAVD88

**BM #2:** "□" on Fence Footing under Warning US Airforce Installation Sign West of Rock Road, 400' N of W 1/4 Cor.  
Elev. = 1377.45 NAVD88

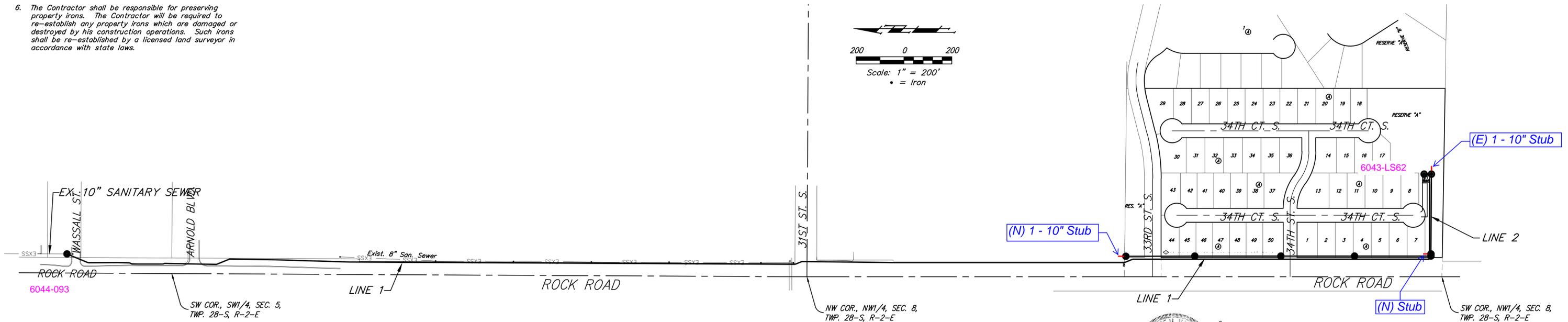
**BM #3:** "□" on Northeast Cor. Headwall RCP, East of Rock Road and South of Arnold Blvd.  
Elev. = 1376.10 NAVD88

**BM #4:** "□" on Top of Curb by Fire Hydrant. South of Concrete Drive at 2800 S. Rock Road  
Elev. = 1379.84 NAVD88

Mies Construction - Contractor  
J. Brand - City of Wichita, Field Project Engineer  
S. Stripling - City of Wichita, Inspector  
As-built  
Stubs  
Release Date: 8/16/2018  
Completion Date:  
pdf: 8/17/2018 apr

## SHEET INDEX

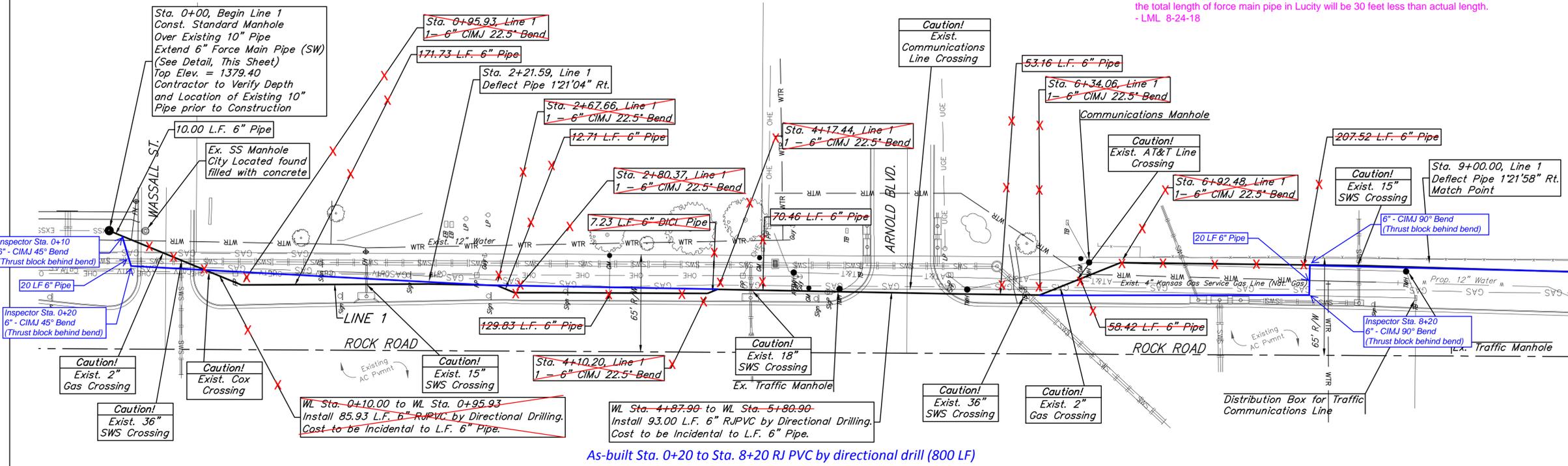
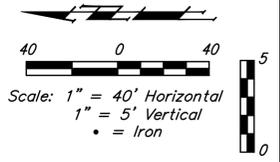
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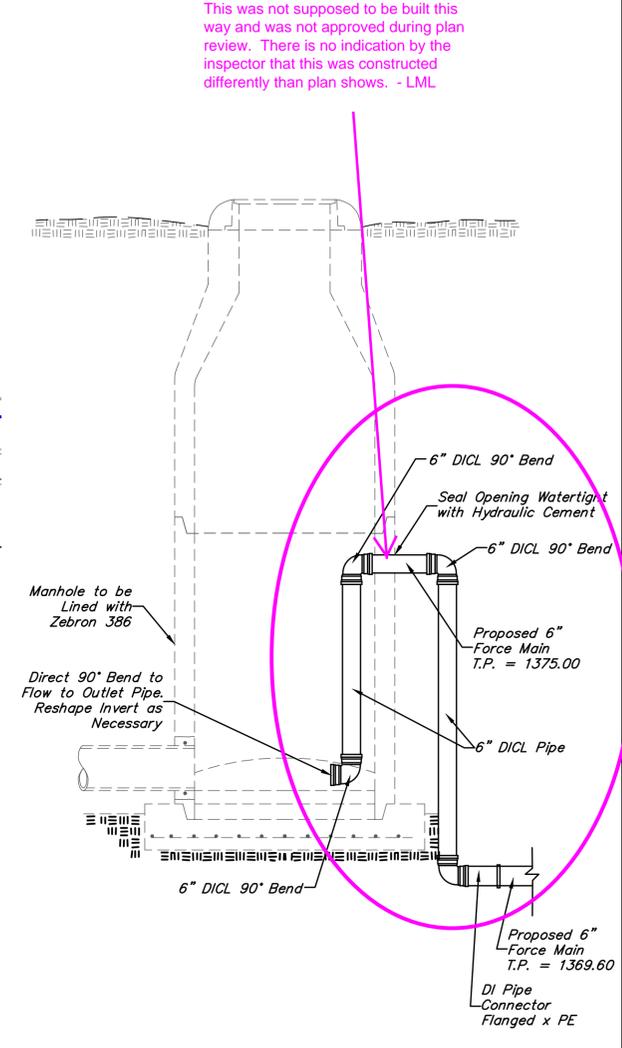
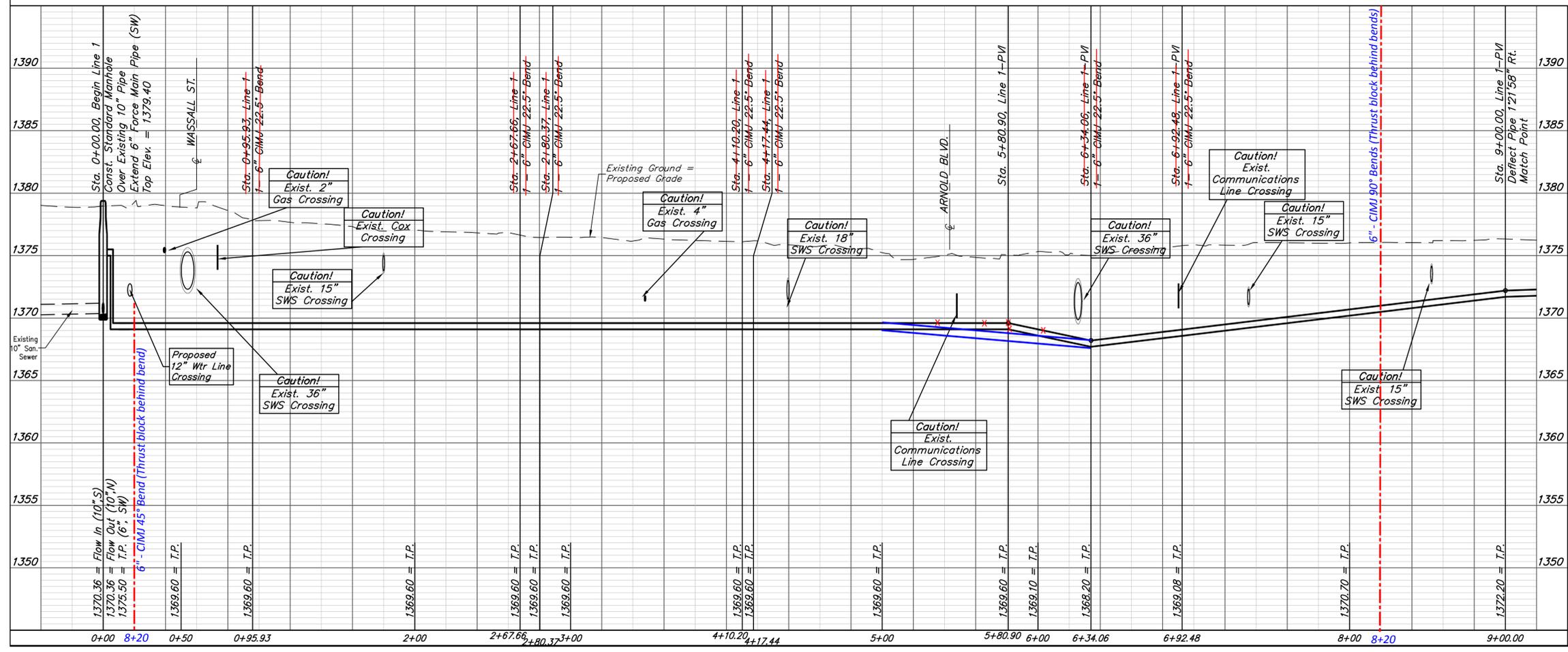
Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

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Inspector stations ON THIS PAGE are not the same as plan stations.  
 To be clear, this reflects the "white card" comments by the inspector:  
 Out of MH at Sta 0+00, then went 10' SW and set a bend to change alignment. Then they went 20 feet further W-SW and set another bend. Then they directional drilled the pipe for 800 feet (south). Then they laid pipe for 20 feet to the east to get back on plan alignment. - LML  
 From that point going to the south, the plan stations did not change. Since all stations were not changed to reflect approx. 30 additional feet of pipe, the total length of force main pipe in Lucyly will be 30 feet less than actual length. - LML 8-24-18



6044-093



Sta 0+00, Line 1  
**FORCE MAIN CONNECTION DETAIL**  
 No Scale

Note: Pipe shall be Anchored Securely to Wall of Manhole. 90° Elbow at Base of Manhole shall be Directed to Discharge Flow in Direction of 10" Outlet Pipe and Invert shall be Re-shaped as Necessary. All Costs Associated with Manhole Connections, Piping Inside Manhole and Invert Re-shaping shall be Included in Bid Item "MH, Connect to Existing."

|                                                                                                                                                     |          |                                                                     |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------|----------------|
| <b>Baughman</b>                                                                                                                                     |          | Rocky Ford Addition<br><b>LINE 1</b><br>Sanitary Sewer Improvements |                |
| Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149<br>ENGINEERING   SURVEYING   PLANNING   LANDSCAPE ARCHITECTURE |          |                                                                     |                |
| PROJECT NUMBER                                                                                                                                      | DESIGN   | DMV                                                                 | DRAWN          |
| REVISIONS:                                                                                                                                          | APPROVED | 10/29/17                                                            | DATE           |
|                                                                                                                                                     | SCALE    | Noted                                                               | SHEET          |
|                                                                                                                                                     |          |                                                                     | <b>2 OF 26</b> |

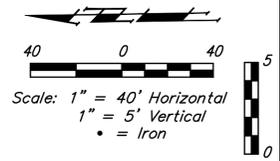


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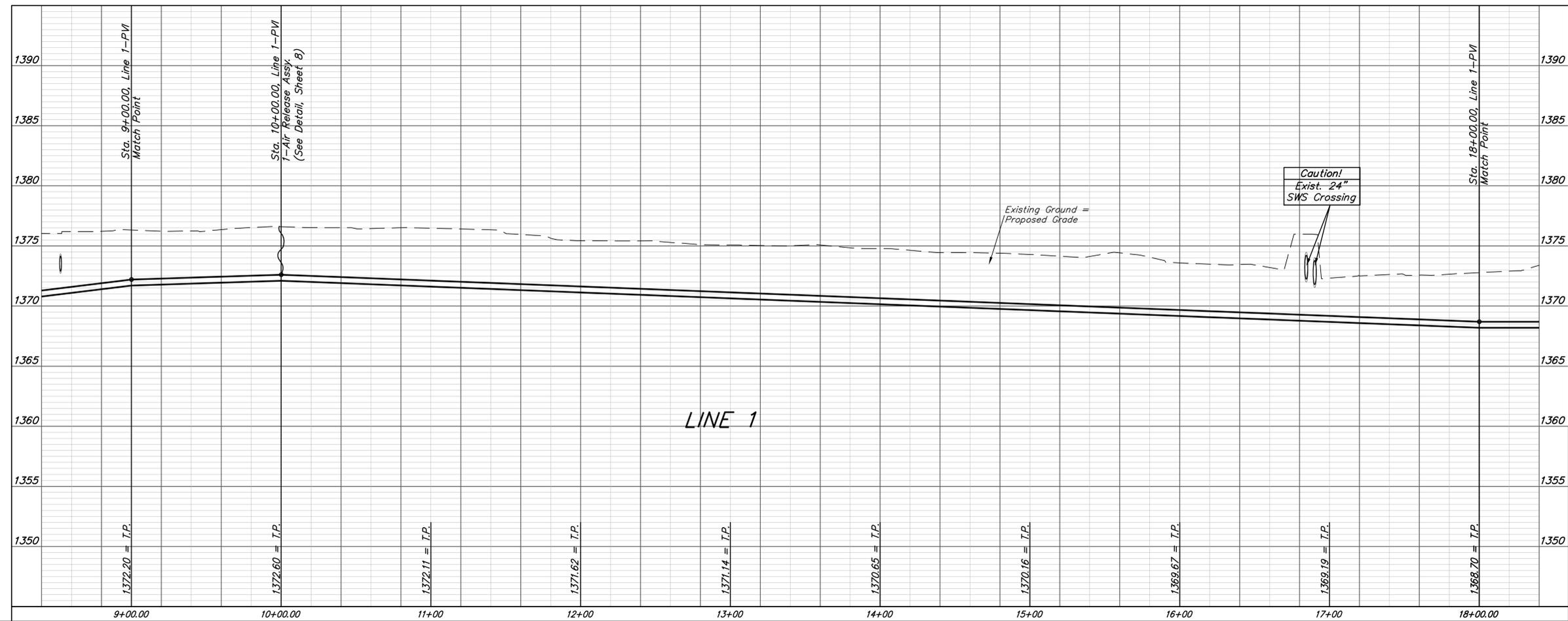
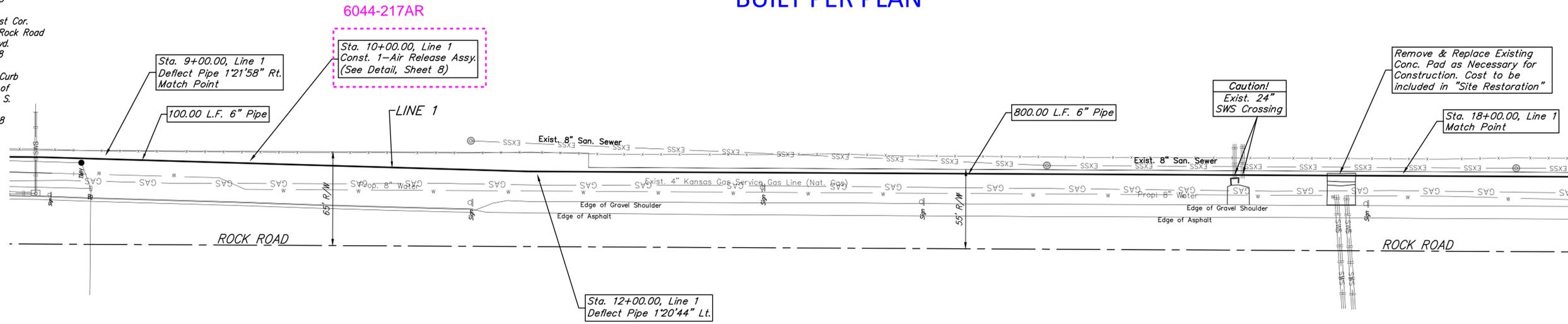
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## BUILT PER PLAN



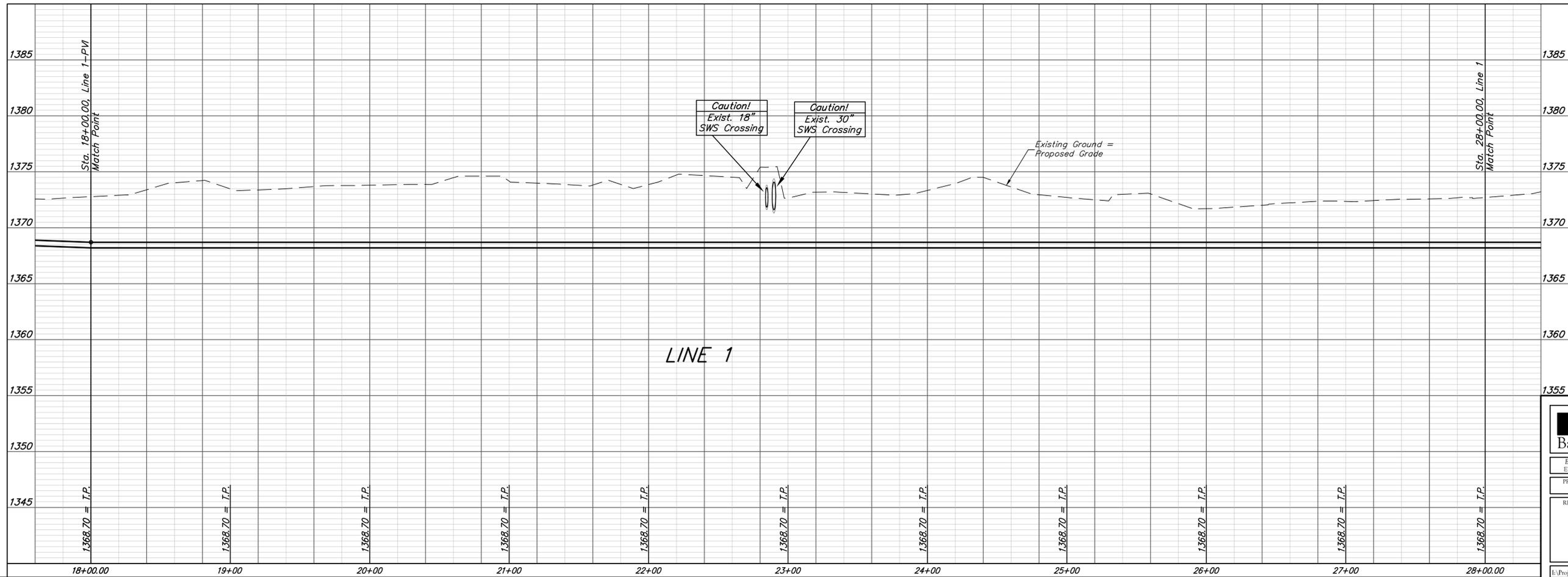
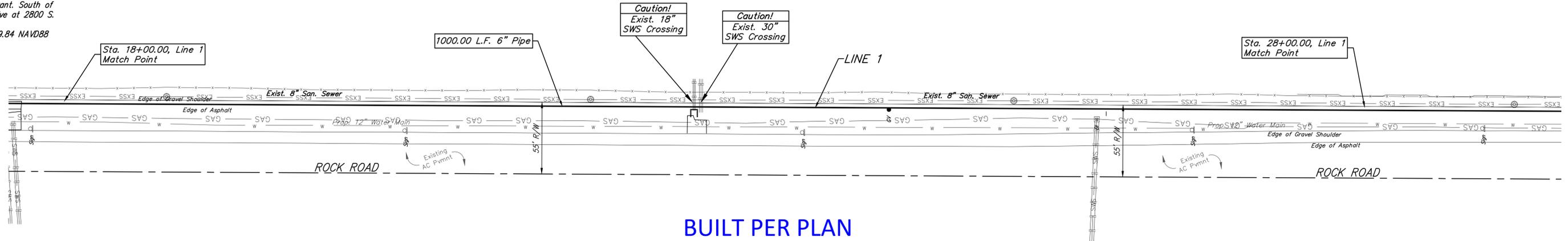
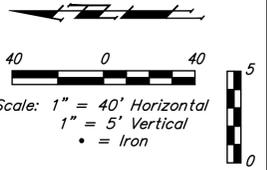
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|                |          | <small>Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149<br/>         ENGINEERING   SURVEYING   PLANNING   LANDSCAPE ARCHITECTURE</small> |          |
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| REVISIONS:     | APPROVED | DATE                                                                                                                                                                         | 10/29/17 |
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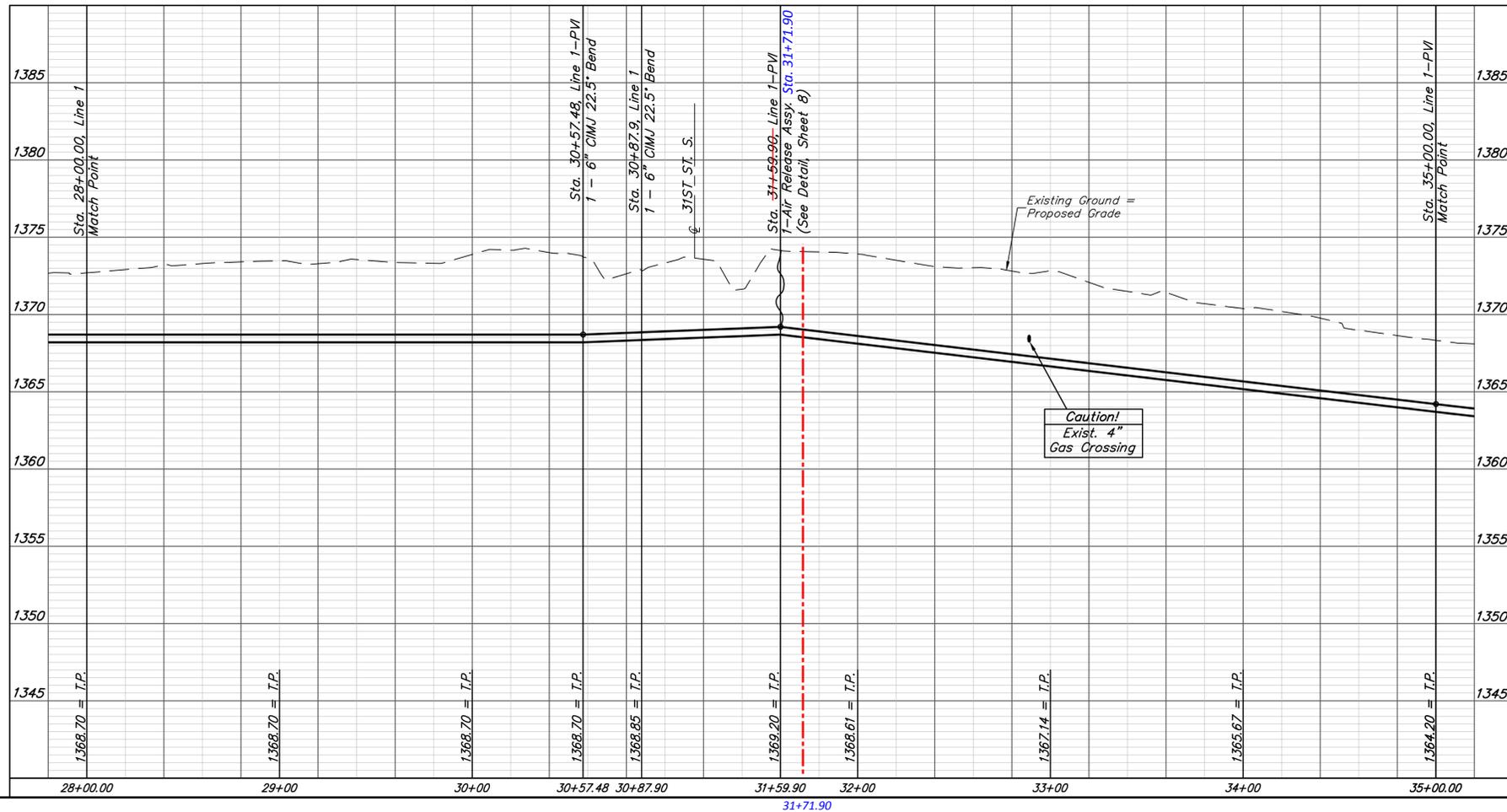
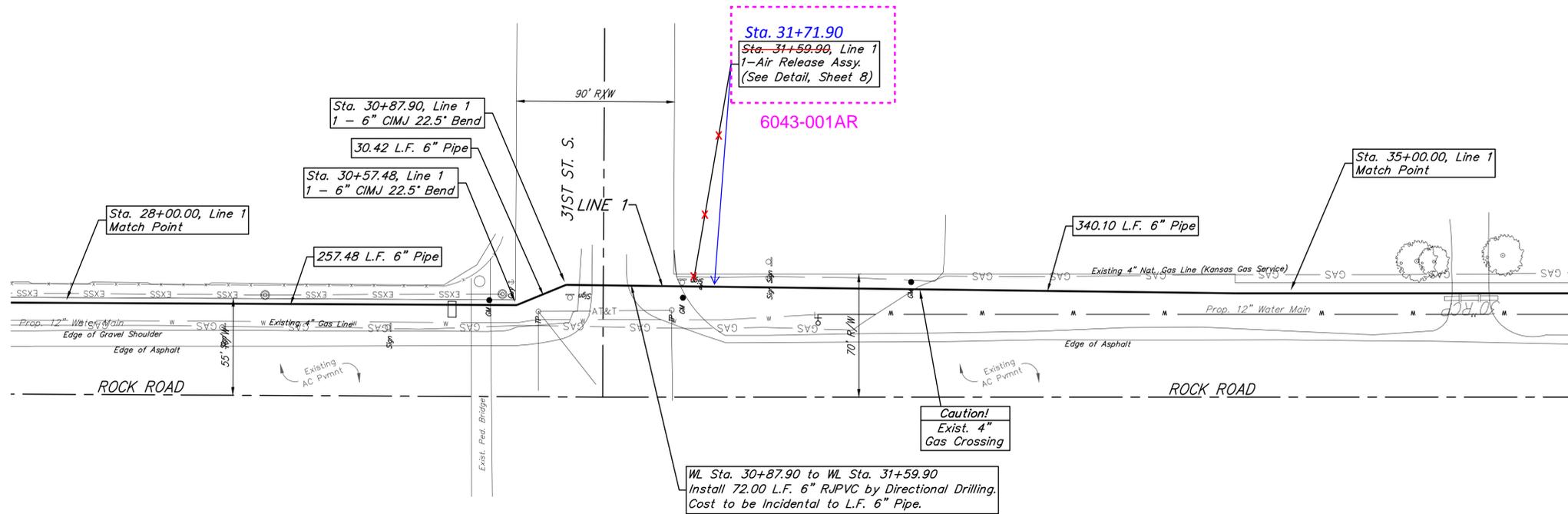
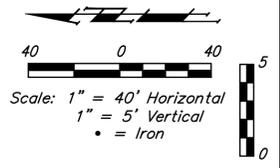
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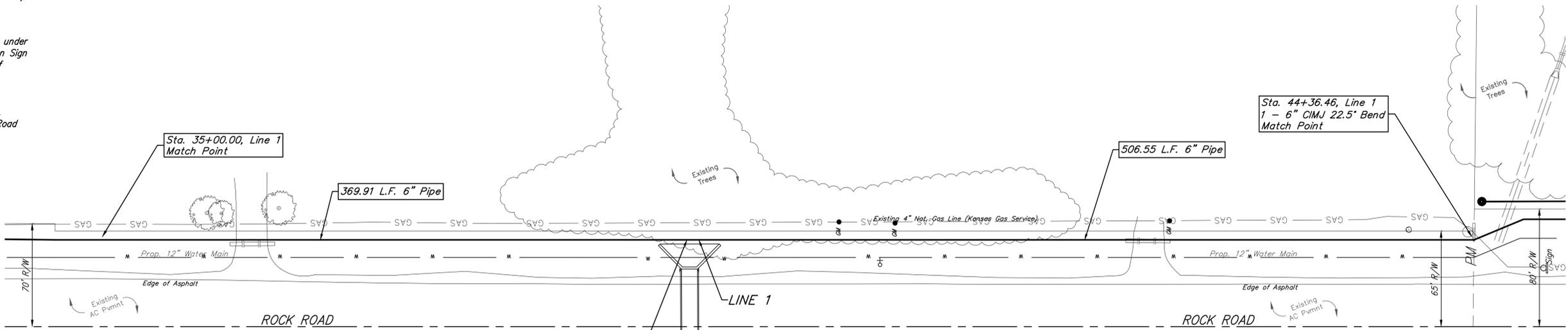
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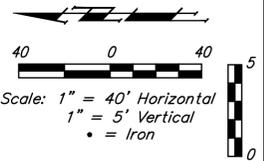
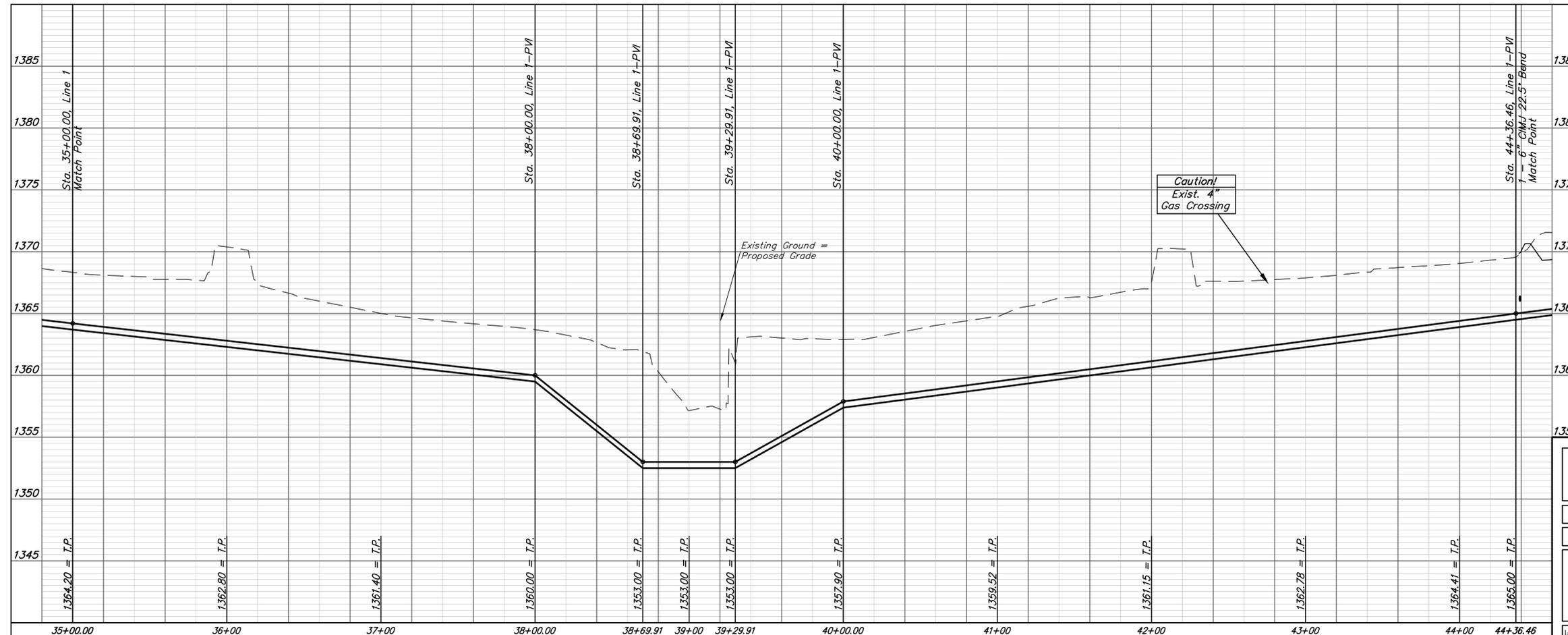
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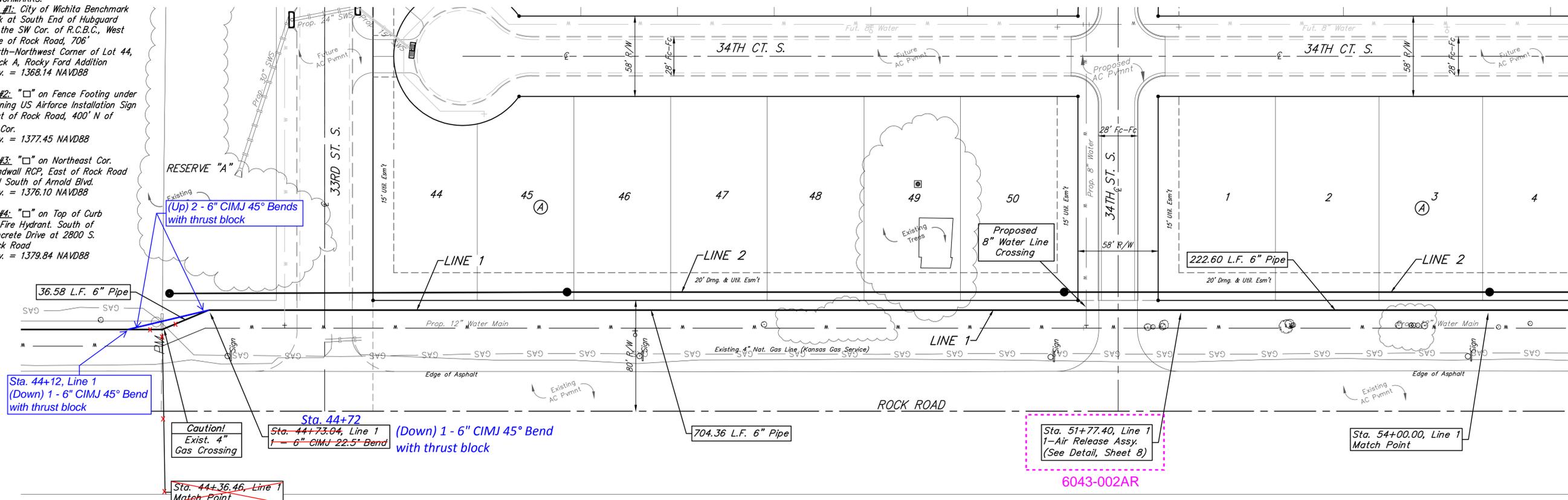
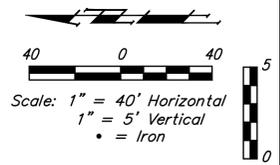
WL Sta. 38+69.91 to WL Sta. 39+29.91  
 Install 60.00 L.F. 6" R/PVC by Directional Drilling.  
 Cost to be Incidental to L.F. 6" Pipe.

**BUILT PER PLAN**

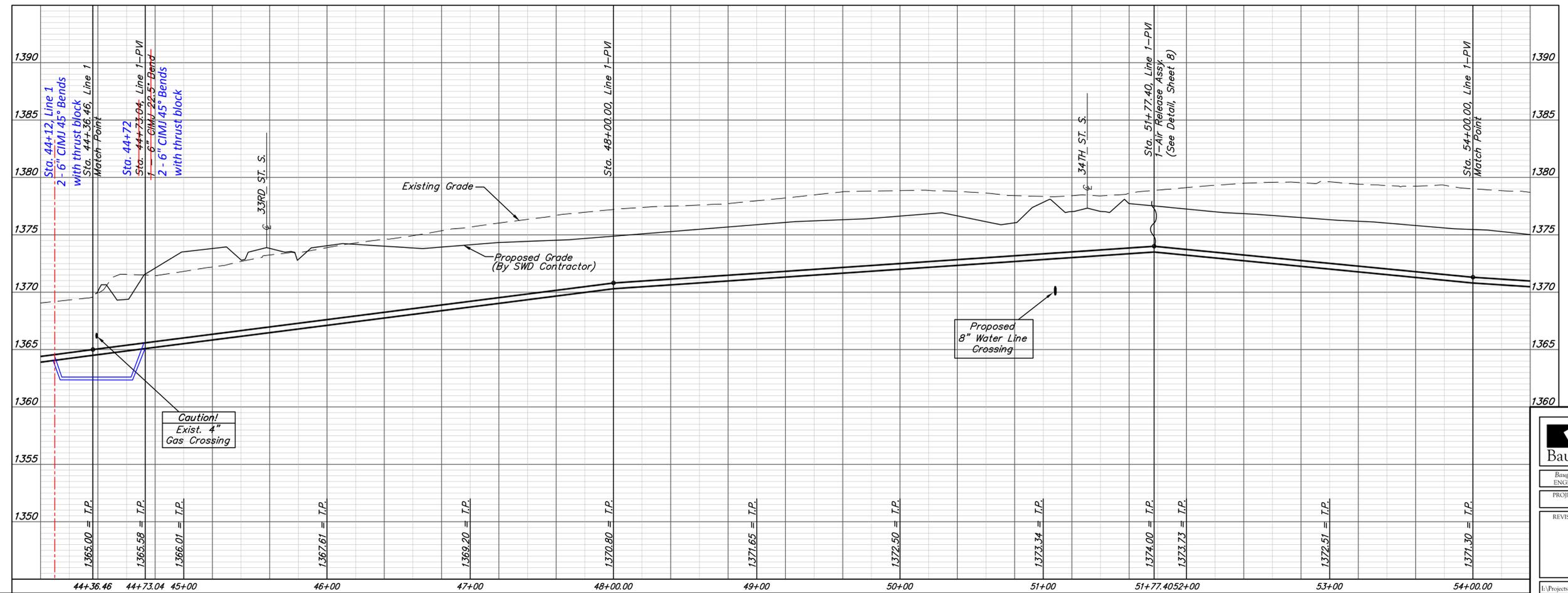


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| <b>Baughman</b>                                                                                                                                     |          | Rocky Ford Addition<br><b>LINE 1</b><br>Sanitary Sewer Improvements |                |
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Note: Lowered Line 1 approximately 2.6' under gas main from Sta. 44+12 to Sta 44+72



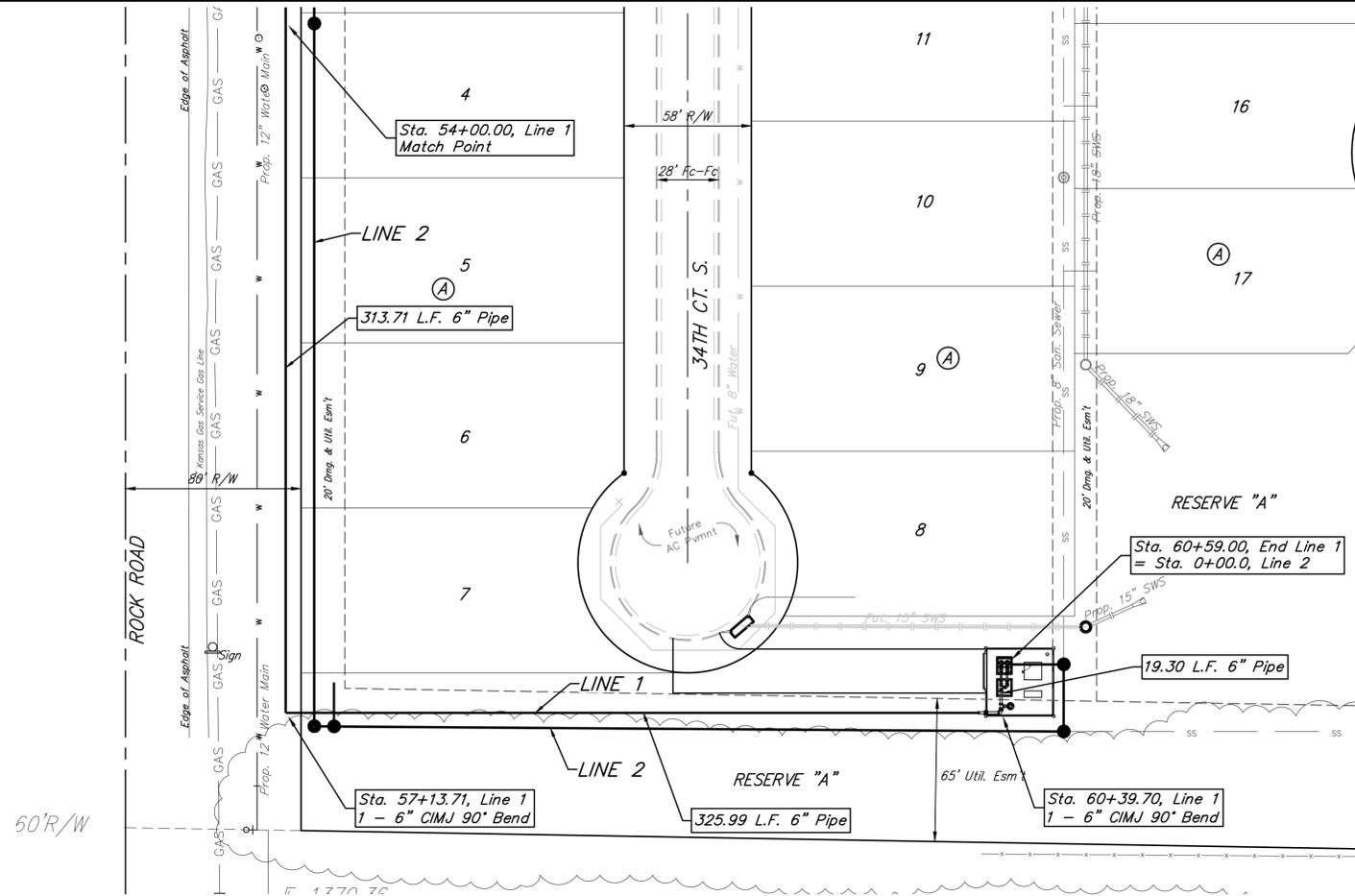
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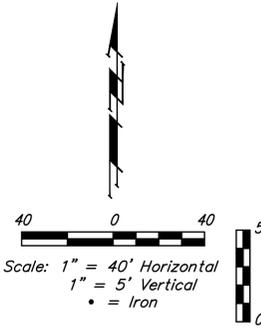
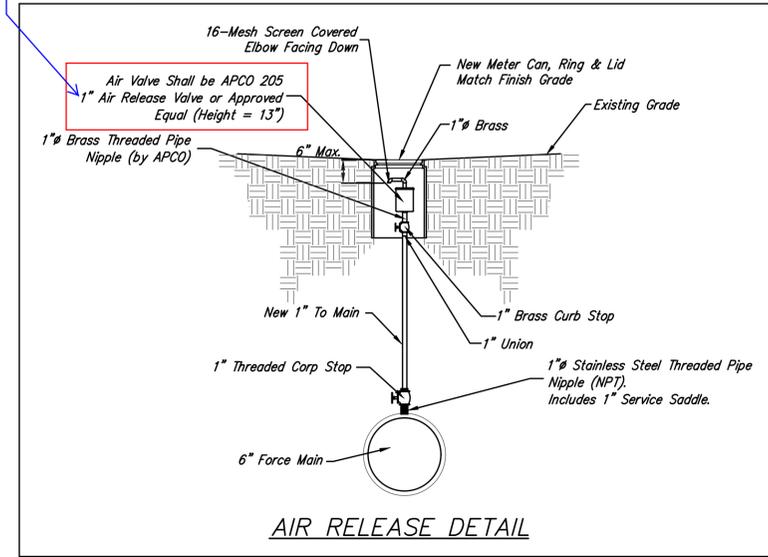
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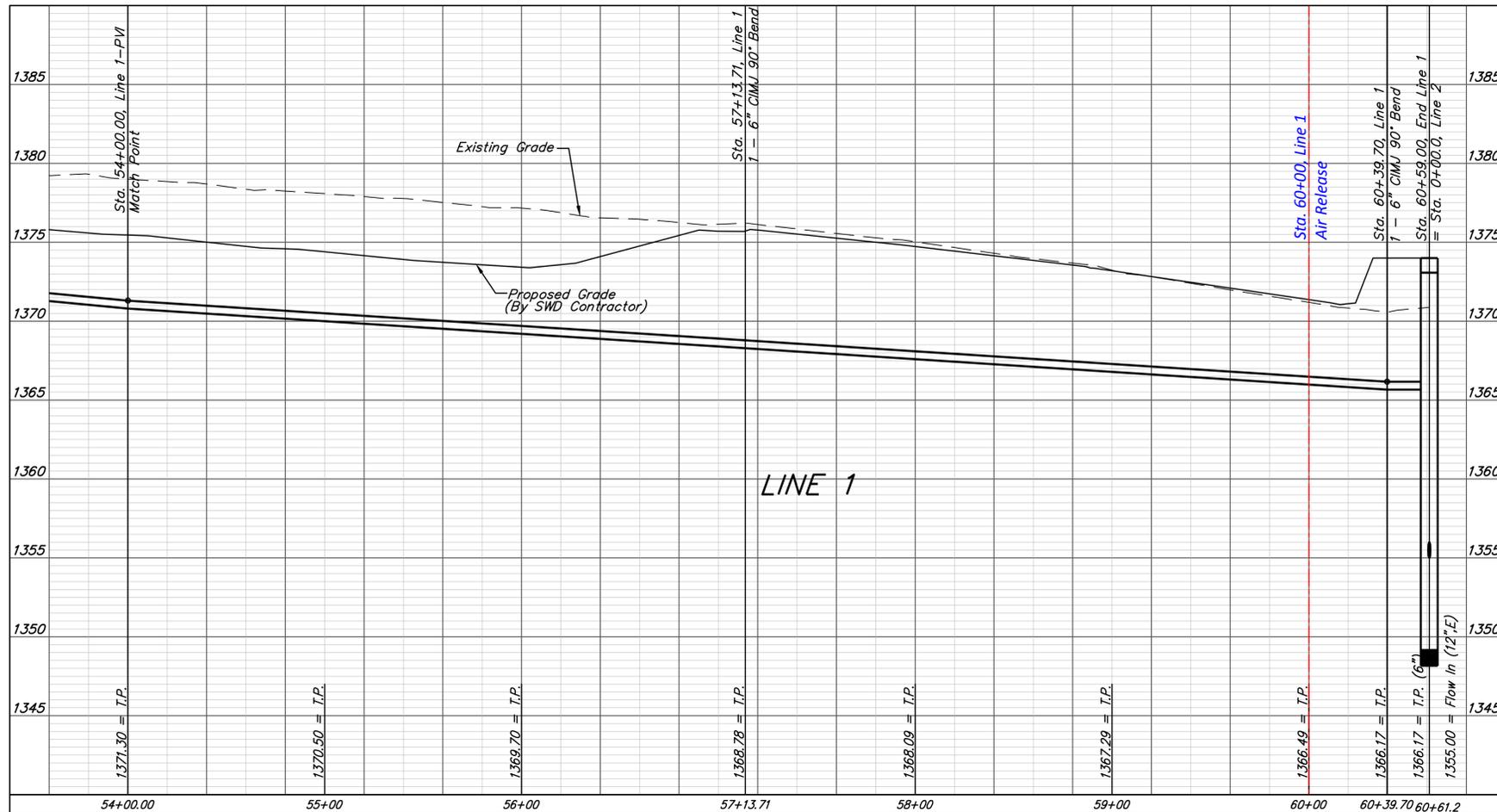
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Note: Air release taken out of vault and relocated to Sta. 60+00



6043-041AR 6043-LS62



|                                                                                                                                                     |          |                                                                     |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------|----------------|
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**BENCHMARKS:**  
**BM #1:** City of Wichita Benchmark Disk at South End of Hubguard on the SW Cor. of R.C.B.C., West Side of Rock Road, 706'. North-Northwest Corner of Lot 44, Block A, Rocky Ford Addition Elev. = 1368.14 NAVD88

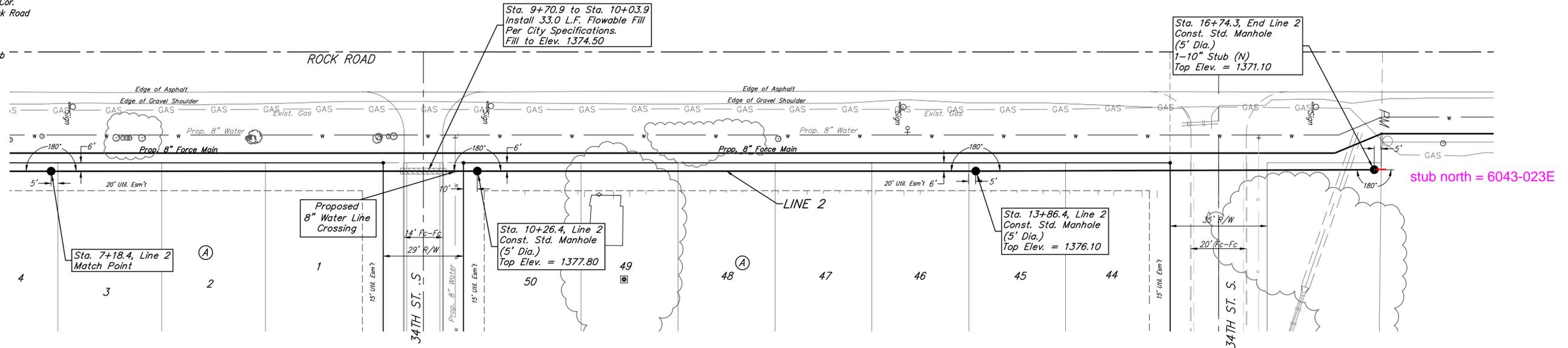
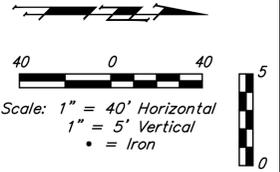
**BM #2:** "□" on Fence Footing under Warning US Airforce Installation Sign West of Rock Road, 400' N of W<sub>1</sub>/4 Cor. Elev. = 1377.45 NAVD88

**BM #3:** "□" on Northeast Cor. Headwall RCP, East of Rock Road and South of Arnold Blvd. Elev. = 1376.10 NAVD88

**BM #4:** "□" on Top of Curb by Fire Hydrant, South of Concrete Drive at 2800 S. Rock Road Elev. = 1379.84 NAVD88

**BUILT PER PLAN**

Existing trees which are in direct conflict with proposed new construction shall be removed by the Contractor **ONLY** with approval of the Engineer. Trees not in direct conflict with proposed new construction shall remain and be protected from damage. Cost shall be included in bid item "Site Clearing"

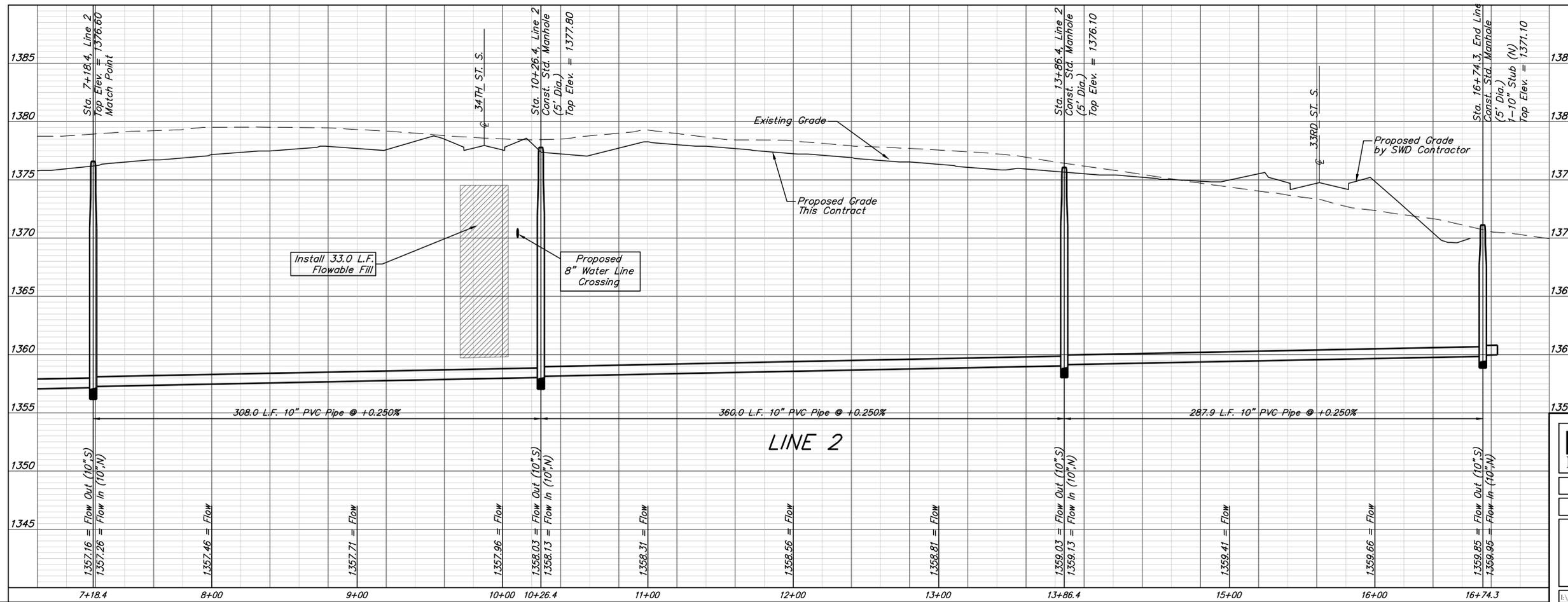


6043-007

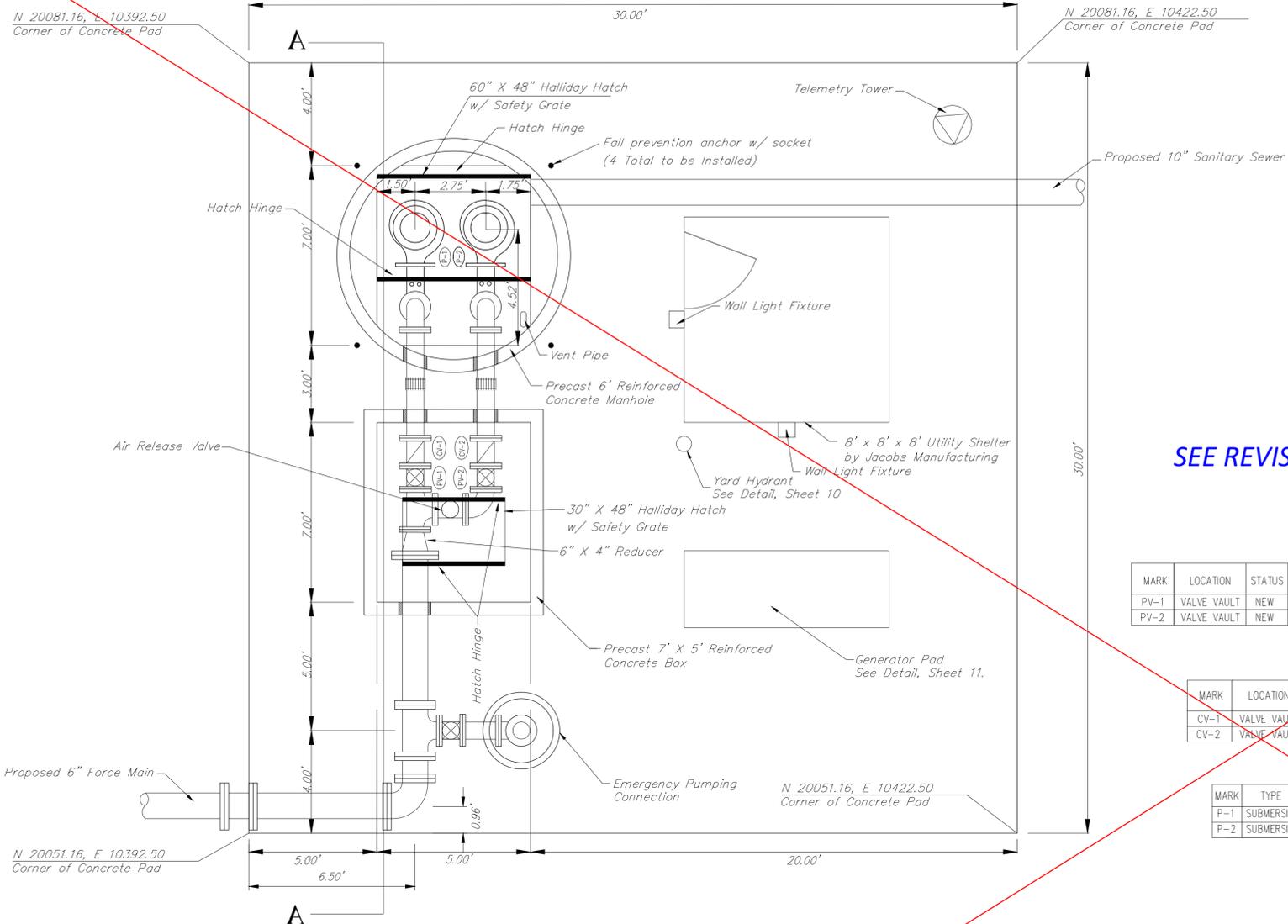
6043-008

6043-009

6043-010



|                                                                                                                                                     |          |                                                                     |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------|-----------------|
| <b>Baughman</b>                                                                                                                                     |          | Rocky Ford Addition<br><b>LINE 2</b><br>Sanitary Sewer Improvements |                 |
| Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149<br>ENGINEERING   SURVEYING   PLANNING   LANDSCAPE ARCHITECTURE |          |                                                                     |                 |
| PROJECT NUMBER                                                                                                                                      | DESIGN   | DMV                                                                 | DRAWN           |
| REVISIONS:                                                                                                                                          | APPROVED | Noted                                                               | DJL             |
|                                                                                                                                                     | DATE     | 10/29/17                                                            |                 |
|                                                                                                                                                     | SCALE    | Noted                                                               |                 |
|                                                                                                                                                     | SHEET    |                                                                     | <b>10 OF 26</b> |



**PLAN VIEW**  
(No Scale)

- The Price Bid for Furnishing and Installing the Lift Station, including the Wet Well, Valve Vault, and Other Miscellaneous Appurtenances, shall include All Costs for Furnishing and Installing the Lift Station as Indicated in the Plans Complete in Place and in Operation. This Price Shall Include the Cost of Constructing and/or Installing Compacted Subgrade, Concrete Pavement, Electrical Conduit, Electrical Wiring, Disconnect Switch, Pump Controls, Electrical Power Supply, Finished Grading, Concrete Slump Block Wall, and any Other Incidentals Necessary to Complete the Work and Place the Lift Station into Satisfactory Operation. The Price Bid Shall Include All Sanitary Sewer Pipe and Force Main Extended Outside the Slab as Shown in the Site Plan and Details.
- All Force Main Piping Shall be Ductile Iron (Flanged) to 5' Outside the Structures, Unless Otherwise Noted. All Interior Piping Shall be Cement Lined and Epoxy Coated Ductile Iron Pipe.
- Pipe Penetrations Thru the Wet Well, Valve Vault, and Concrete Pad Shall be Grouted Watertight With Non-Shrink Grout and Water Stop Gaskets as Required.
- The Contractor shall perform an Exfiltration Test on the complete Wet Well. The Wet Well shall be tested individually by securely plugging all inlet and outlet pipes. The Wet Well shall be filled to its full depth and then observed for at least six (6) hours. Exfiltration loss from the 6-foot diameter Wet Well shall not exceed the rate of 1.70 Gallons per foot of Wet Well depth per day. If exfiltration exceeds the maximum limits, the Contractor shall repair the leaks and defects, and then retest.
- The Contractor shall support all piping inside the Wet Well and Valve Vault as required.
- All hardware inside the Wet Well and Valve Vault, including but not limited to the Guide Bar, Hoist Chain, Chain Catch, etc. shall be stainless steel. 316 Stainless Steel shall be used when available, otherwise 304 Stainless Steel is acceptable. Nylon Rope will not be allowed in the Wet Well.
- Wet Well and Valve Vault design shall be subject to the same design requirements as Precast Manholes.
- The interior of the Wet Well shall be lined Zebon 386.
- Backfill around the Wet Well and under the Valve Vault and Pad shall be a low volume change material compacted to 95% ASTM D-1557.
- The Contractor shall coordinate with Westar Energy and Kansas Gas Service to extend electric and gas services to the Pump Station Site. The Contractor shall verify the electrical and gas service costs & requirements PRIOR to Bidding. ALL COST INCURRED TO EXTEND THESE SERVICES TO THE SITE SHALL BE INCLUDED IN LUMP SUM BID ITEM "PUMP STATION MODULE."
- The Contractor shall verify all requirements and dimensions of the Generator Pad with the Generator Supplier prior to construction.
- No Electrical Connections will be Allowed within the Wetwell.
- Contact David Harper with the City of Wichita Sewer Treatment Plant at 303-8778 PRIOR to Lift Station Start-up.
- Contractor shall install 4 Fall Prevention Anchors at locations as shown outside of Hatch on above drawing. Anchors shall be 3M/Sala Model 2100169 Pour-in-Place Detent Anchor w/ Socket or approved equal.

SEE REVISED SHEET

**PLUG VALVE SCHEDULE**

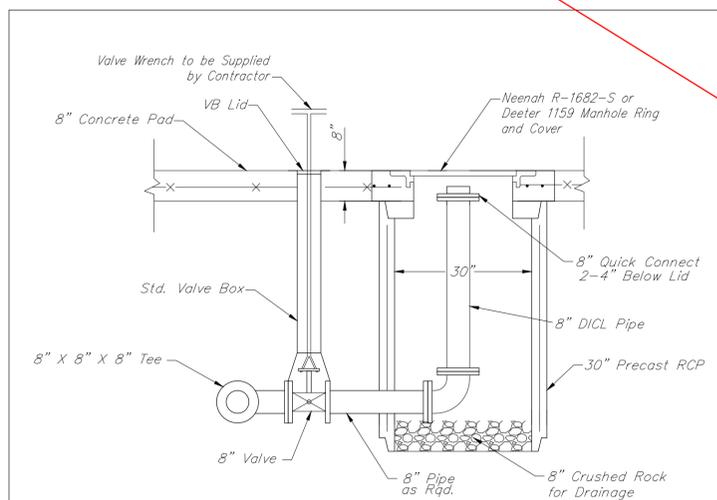
| MARK | LOCATION    | STATUS | SIZE | FITTINGS | OPERATOR                              |
|------|-------------|--------|------|----------|---------------------------------------|
| PV-1 | VALVE VAULT | NEW    | 4"   | FLANGE   | GEARED OPERATOR W/ EXTENSION & 2" NUT |
| PV-2 | VALVE VAULT | NEW    | 4"   | FLANGE   | GEARED OPERATOR W/ EXTENSION & 2" NUT |

**CHECK VALVE SCHEDULE**

| MARK | LOCATION    | STATUS | SIZE | FITTINGS | OPERATOR       |
|------|-------------|--------|------|----------|----------------|
| CV-1 | VALVE VAULT | NEW    | 4"   | FLANGE   | LEVER & SPRING |
| CV-2 | VALVE VAULT | NEW    | 4"   | FLANGE   | LEVER & SPRING |

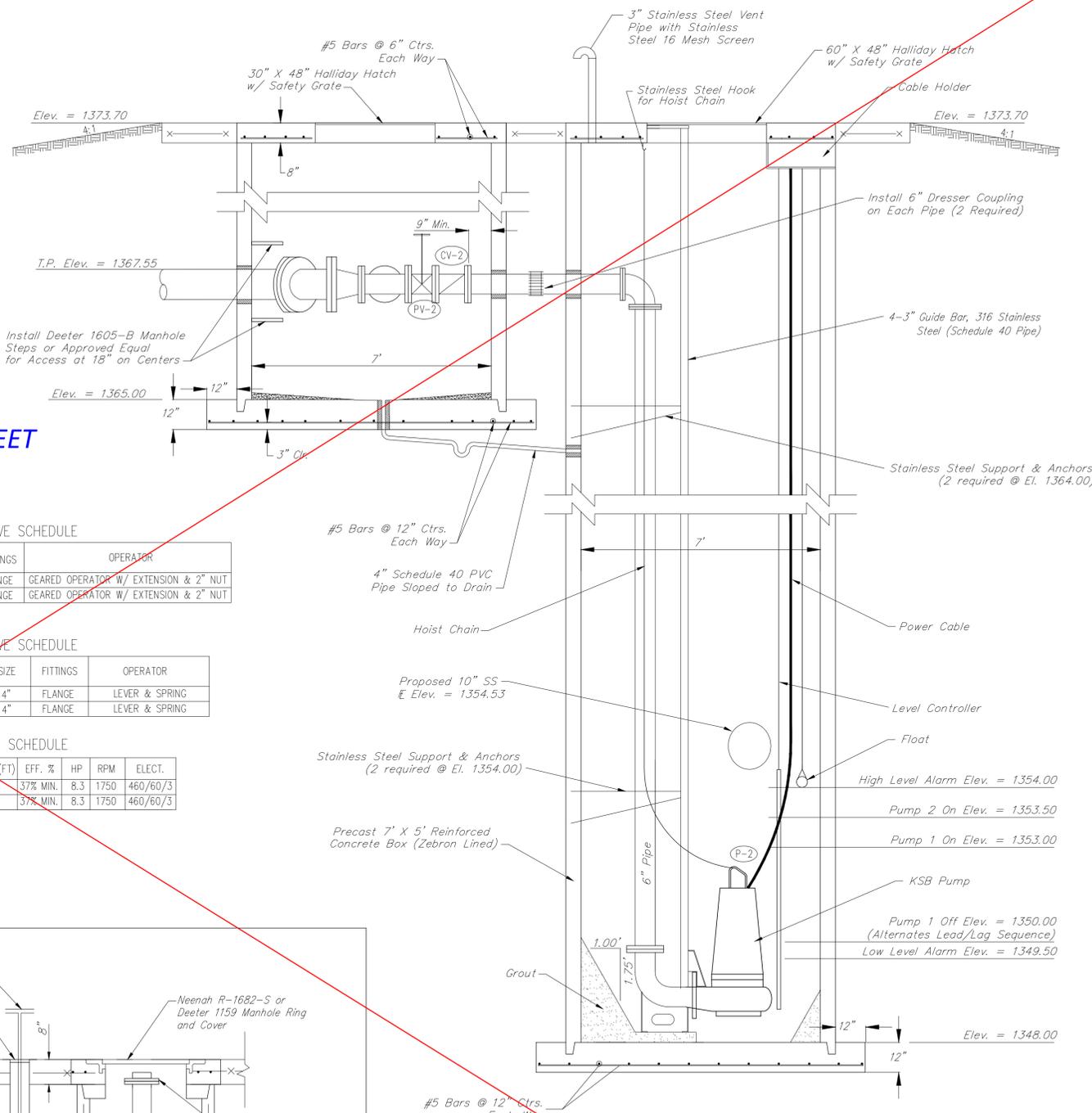
**PUMP SCHEDULE**

| MARK | TYPE        | GPM | HEAD (FT) | EFF. %   | HP  | RPM  | ELECT.   |
|------|-------------|-----|-----------|----------|-----|------|----------|
| P-1  | SUBMERSIBLE | 226 | 53.9      | 57% MIN. | 8.3 | 1750 | 460/60/3 |
| P-2  | SUBMERSIBLE | 226 | 53.9      | 57% MIN. | 8.3 | 1750 | 460/60/3 |



**EMERGENCY PUMPING CONNECTION**

Contractor to contact David Harper with the Wichita Sewer Treatment Plant at 303-8778 to coordinate type of Quick Connect to be used.



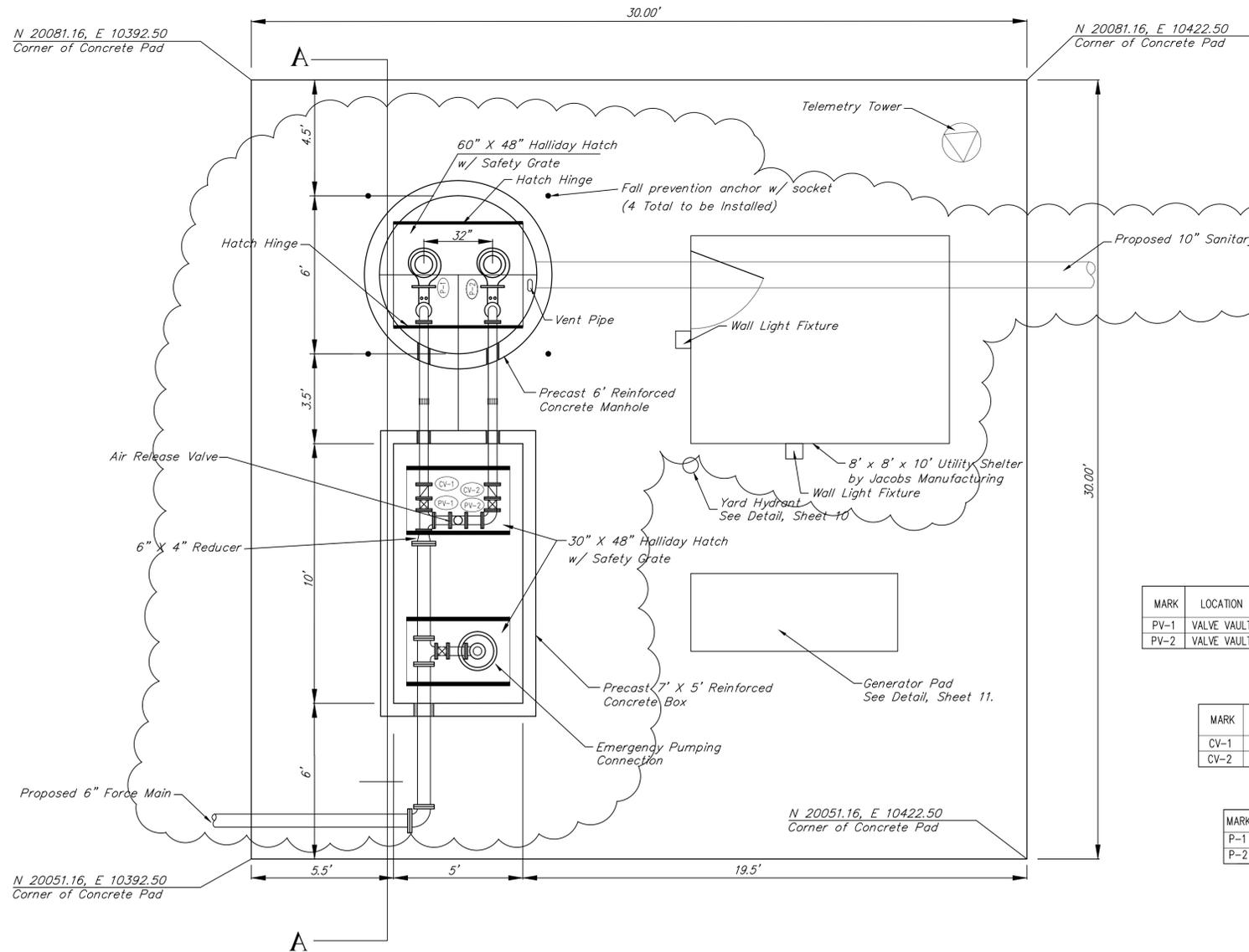
**SECTION A-A**  
(No Scale)



**Baughman** Rocky Ford Addition  
**MISC DETAILS**  
Sanitary Sewer Force Main

Baughman Company, P.A. 145 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

|                             |                 |              |
|-----------------------------|-----------------|--------------|
| PROJECT NUMBER<br>468-84465 | DESIGN<br>DMV   | DRAWN<br>DJL |
| REVISIONS:                  | APPROVED        | DATE<br>7/17 |
|                             | SCALE<br>Noted  |              |
|                             | <b>11 OF 26</b> |              |



**PLAN VIEW**  
(No Scale)

- The Price Bid for Furnishing and Installing the Lift Station, including the Wet Well, Valve Vault, and Other Miscellaneous Appurtenances, shall include All Costs for Furnishing and Installing the Lift Station as indicated in the Plans Complete in Place and in Operation. This Price shall include the Cost of Constructing and/or Installing Compacted Subgrade, Concrete Pavement, Electrical Conduit, Electrical Wiring, Disconnect Switch, Pump Controls, Electrical Power Supply, Finished Grading, Concrete Slump Block Wall, and any Other Incidentals Necessary to Complete the Work and Place the Lift Station into Satisfactory Operation. The Price Bid shall include All Sanitary Sewer Pipe and Force Main Extended Outside the Slab as Shown in the Site Plan and Details.
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- All hardware inside the Wet Well and Valve Vault, including but not limited to the Guide Bar, Hoist Chain, Chain Catch, etc. shall be stainless steel. 316 Stainless Steel shall be used when available, otherwise 304 Stainless Steel is acceptable. Nylon Rope will not be allowed in the Wet Well.
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- Backfill around the Wet Well and under the Valve Vault and Pad shall be a low volume change material compacted to 95% ASTM D-1557.
- The Contractor shall coordinate with Westar Energy and Kansas Gas Service to extend electric and gas services to the Pump Station Site. The Contractor shall verify the electrical and gas service costs & requirements PRIOR to Bidding. ALL COST INCURRED TO EXTEND THESE SERVICES TO THE SITE SHALL BE INCLUDED IN LUMP SUM BID ITEM "PUMP STATION MODULE."
- The Contractor shall verify all requirements and dimensions of the Generator Pad with the Generator Supplier prior to construction.
- No Electrical Connections will be Allowed within the Wetwell.
- Contact David Harper with the City of Wichita Sewer Treatment Plant at 303-8778 PRIOR to Lift Station Start-up.
- Contractor shall install 4 Fall Prevention Anchors at locations as shown outside of Hatch on above drawing. Anchors shall be 3M/Sala Model 2100169 Pour-in-Place Detent Anchor w/ Socket or approved equal.

**PLUG VALVE SCHEDULE**

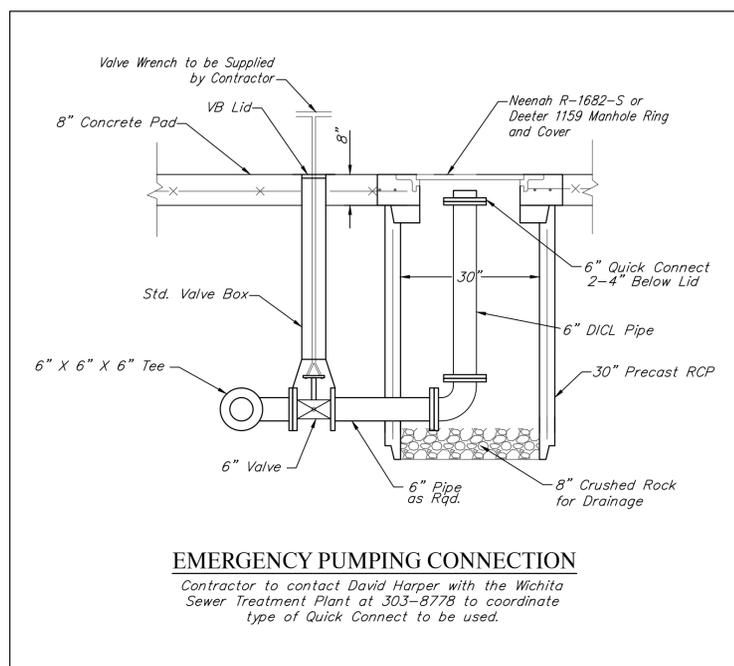
| MARK | LOCATION    | STATUS | SIZE | FITTINGS | OPERATOR                              |
|------|-------------|--------|------|----------|---------------------------------------|
| PV-1 | VALVE VAULT | NEW    | 4"   | FLANGE   | GEARED OPERATOR W/ EXTENSION & 2" NUT |
| PV-2 | VALVE VAULT | NEW    | 4"   | FLANGE   | GEARED OPERATOR W/ EXTENSION & 2" NUT |

**CHECK VALVE SCHEDULE**

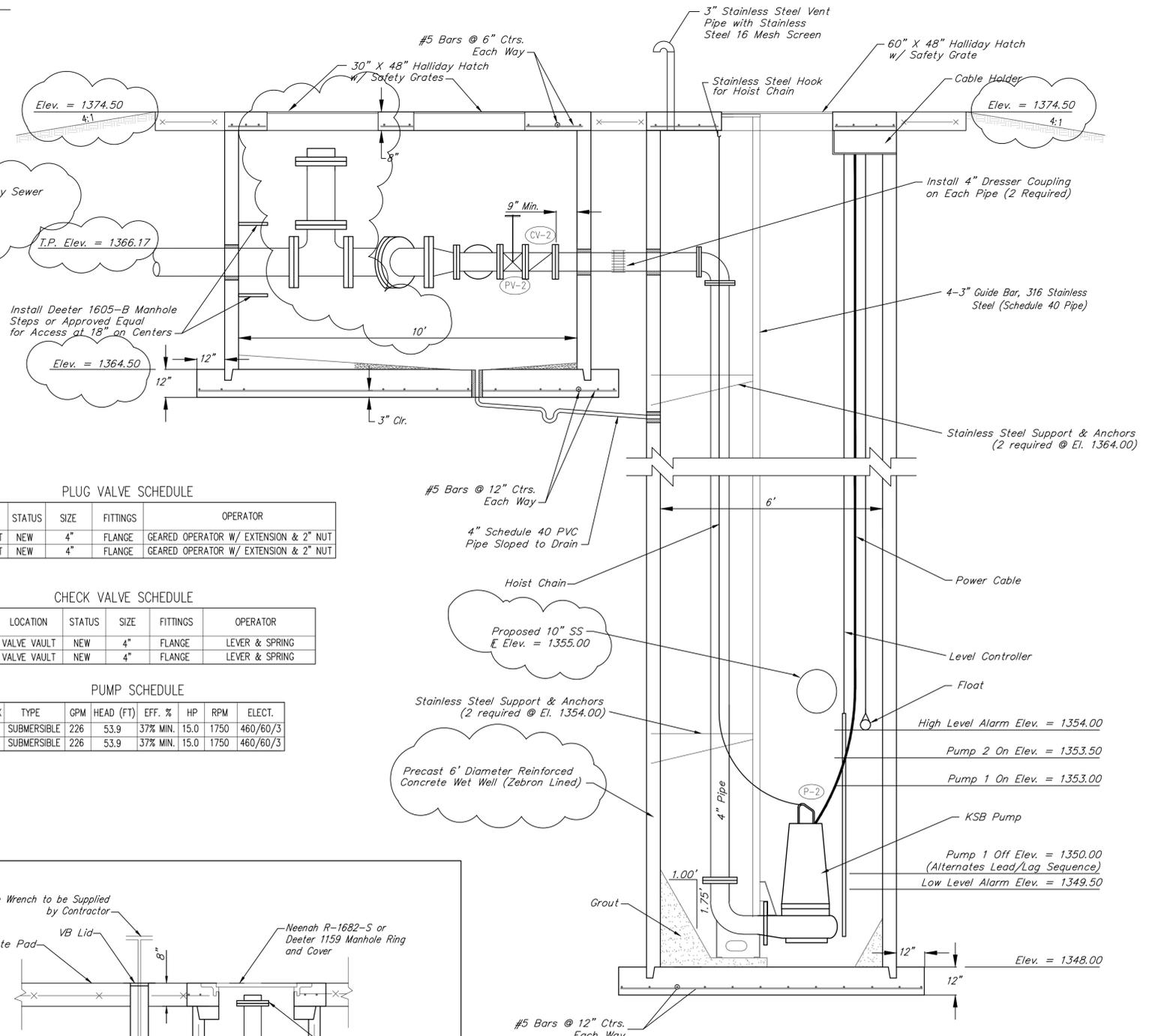
| MARK | LOCATION    | STATUS | SIZE | FITTINGS | OPERATOR       |
|------|-------------|--------|------|----------|----------------|
| CV-1 | VALVE VAULT | NEW    | 4"   | FLANGE   | LEVER & SPRING |
| CV-2 | VALVE VAULT | NEW    | 4"   | FLANGE   | LEVER & SPRING |

**PUMP SCHEDULE**

| MARK | TYPE        | GPM | HEAD (FT) | EFF. %   | HP   | RPM  | ELECT.   |
|------|-------------|-----|-----------|----------|------|------|----------|
| P-1  | SUBMERSIBLE | 226 | 53.9      | 37% MIN. | 15.0 | 1750 | 460/60/3 |
| P-2  | SUBMERSIBLE | 226 | 53.9      | 37% MIN. | 15.0 | 1750 | 460/60/3 |



**EMERGENCY PUMPING CONNECTION**  
Contractor to contact David Harper with the Wichita Sewer Treatment Plant at 303-8778 to coordinate type of Quick Connect to be used.



**SECTION A-A**  
No Scale

**Baughman** Rocky Ford Addition  
**MISC DETAILS**  
Sanitary Sewer Force Main

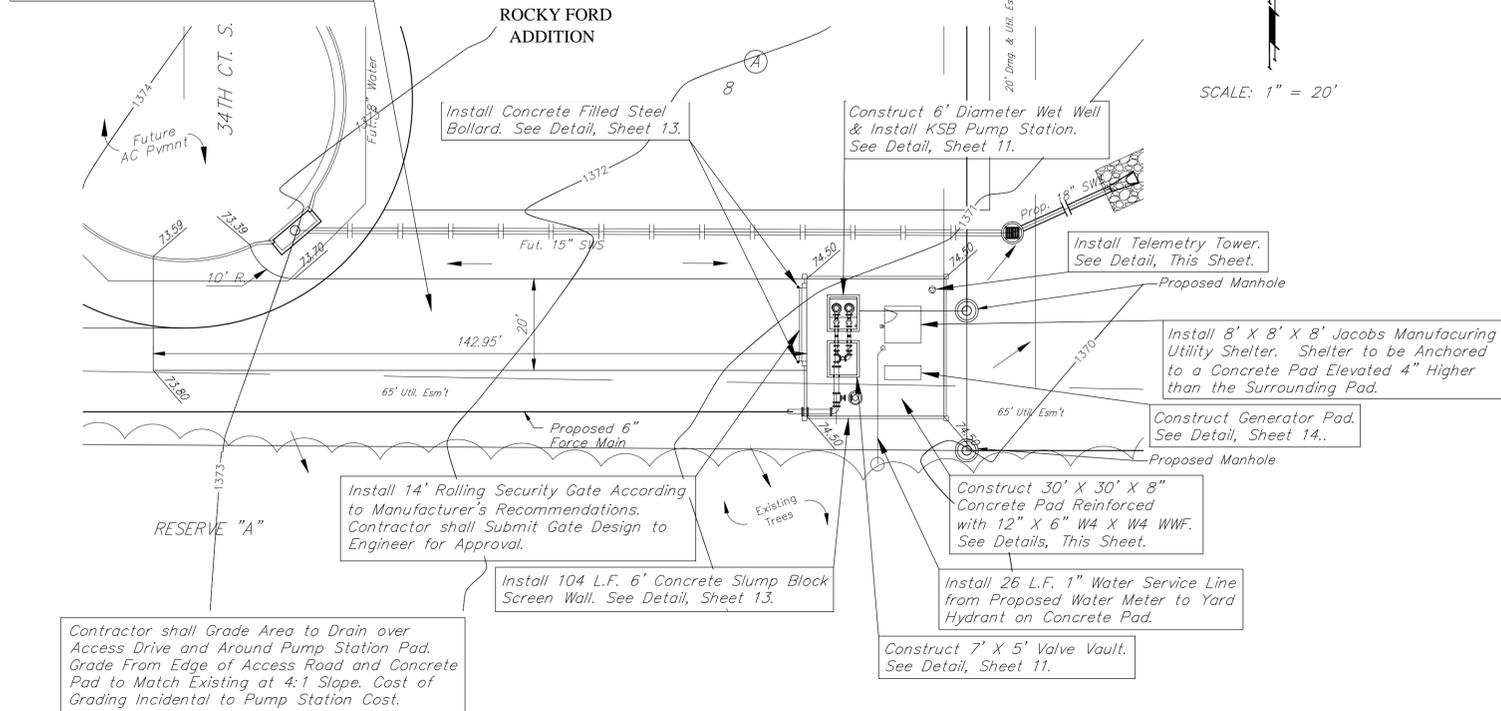
Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

|                             |               |                           |
|-----------------------------|---------------|---------------------------|
| PROJECT NUMBER<br>468-84465 | DESIGN<br>DMV | DRAWN<br>DJL              |
| REVISIONS:                  | APPROVED      | DATE<br>7/17              |
| SCALE<br>Noted              |               | SHEET<br><b>11R OF 26</b> |

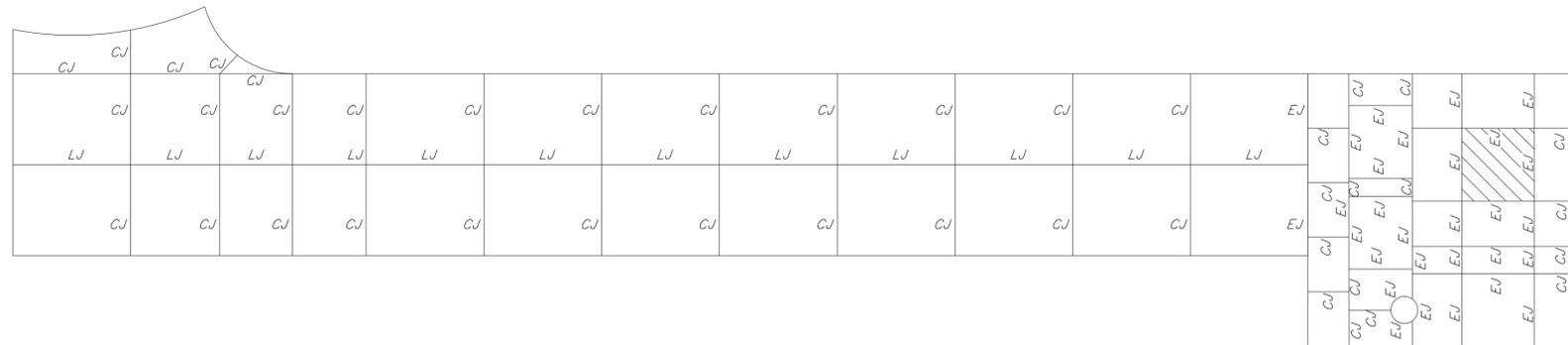
*David Harper*  
15178  
12-14-17  
KANSAS  
PROFESSIONAL ENGINEER

E:\Projects\Rocky Ford Addition\_1606-F07\Engineering\SS MAIN 16-114591\Lift Station - Rev 13

Strip Top Soil and Construct 20' Access Drive (8" Reinforced Concrete over 6" Rock Base). See Detail, This Sheet. Cost to be INCIDENTAL to Cost of the Pump Station.



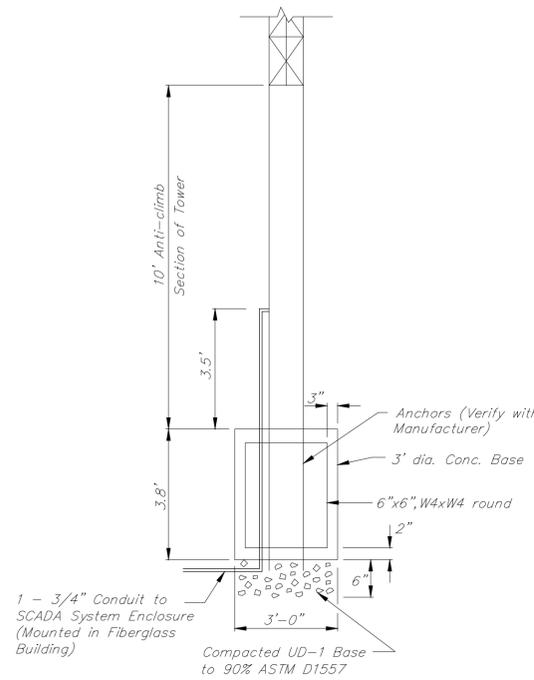
**PUMP STATION SITE PLAN**



**CONCRETE PAD JOINT PLAN**

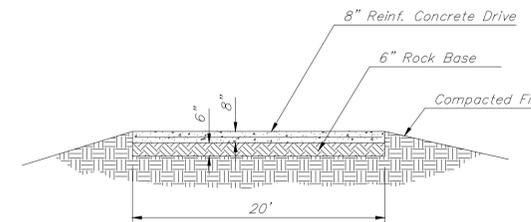
Denotes Concrete Pavement to have 4" Thick Building Pad (12" Total)

SCALE: 1" = 10'

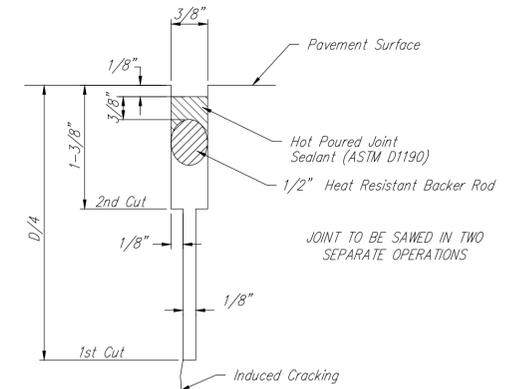


**SCADA SYSTEM DETAIL**

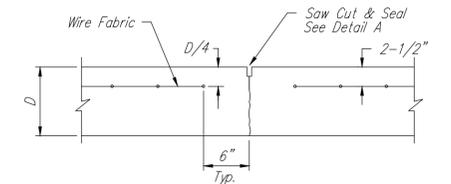
- NOTES:
- MAXIMUM TOWER HEIGHT IS 30 FEET.
  - 6" COPPER GROUND ROD SHALL BE PROVIDED FOR THE TOWER.
  - ANCHOR BOLT SIZES AND LENGTHS SHALL BE PER THE TOWER MANUFACTURER'S RECOMMENDATIONS.



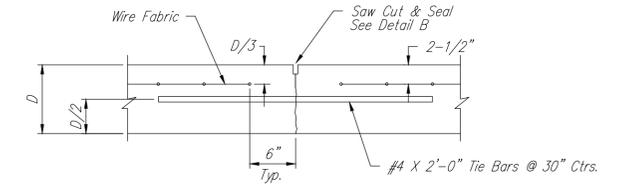
**ACCESS DRIVE DETAIL**



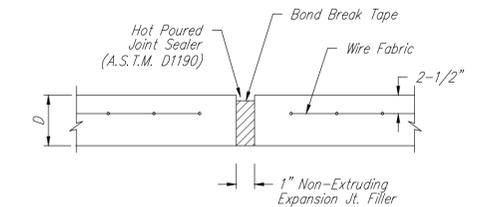
**DETAIL A**



**CONTRACTION JOINT DETAIL**  
REINFORCED PAVEMENT (C.J.)



**LONGITUDINAL JOINT DETAIL**  
(L.J.)



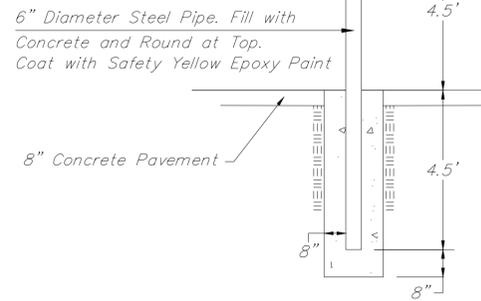
**EXPANSION JOINT DETAIL**  
(E.J.)



**Baughman** Rocky Ford Addition  
**MISC DETAILS**  
Sanitary Sewer Improvements

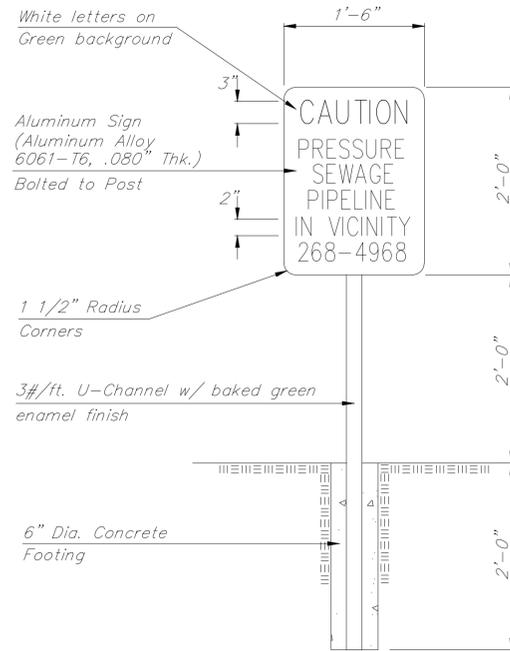
Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

|                             |                |                          |
|-----------------------------|----------------|--------------------------|
| PROJECT NUMBER<br>468-84465 | DESIGN<br>DMV  | DRAWN<br>DIL             |
| REVISIONS:                  | APPROVED       | DATE<br>7/17             |
|                             | SCALE<br>Noted | SHEET<br><b>12 OF 26</b> |



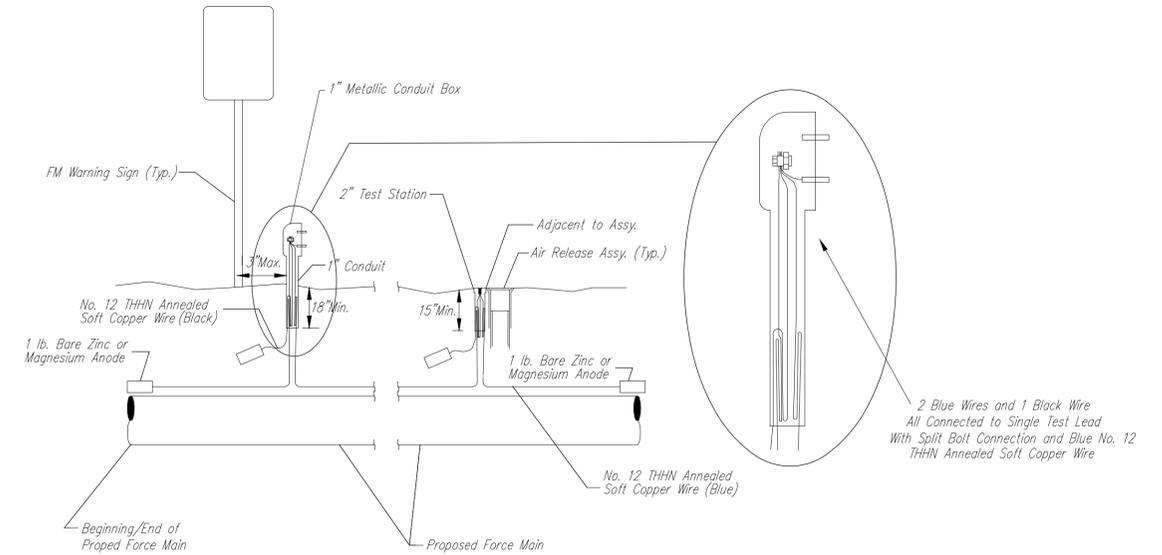
**BOLLARD DETAIL**

Note: Cost of Bollards shall be Included in L.S. Bid Item "Lift Station Module."



**FORCE MAIN WARNING SIGN DETAIL**

Note: Install Metal Warning Signs near Sta. 0+50, Sta. 5+00, Sta. 9+50 and Sta. 14+00. Exact Locations of Warning Signs shall be Approved by the Engineer. Cost of Signs shall be Included in L.S. Bid Item "Lift Station Module."



**TRACER WIRE**

Conductive type pipe locator/tracer wire shall be installed to locate all waterline pipe regardless of pipe material. The wire shall extend the entire length of the proposed pipe. The wire shall be taped to the waterline and pulled with the pipe. Split-bolt connectors shall be used at splice locations. Electrical tape shall cover all splices so no bare wire is exposed. Test stations shall be installed adjacent to all fire hydrants along the waterline and at blowoffs or valves near the ends of the waterlines. Any exceptions to the location of test stations shall be approved by the engineer. At each test station, the tracer wire shall be connected to a 1 lb. Zinc or magnesium anode. Anodes shall also be attached to the tracer wire at both the beginning and the end of the proposed waterline. A typical layout of the tracer wire and test station is provided in the above figure.

**WIRE**

The tracer wire shall be Blue No. 12 THHN annealed soft copper wire with thermal plastic insulation. The insulation shall be heat, oil, and gasoline resistant as manufactured by Temple Electric or approved equal. To allow for grade adjustment, a minimum of 12" of excess wire shall be coiled at the bottom of the test station for all wires. The insulation sheathing shall be removed such that 1" bare copper wire is exposed at all points of connection. Contractor shall attach wire being installed with proposed water main to any tracer wire installed with adjacent waterline projects.

**TEST STATIONS**

The test station for fire hydrant applications shall be a 1 inch galvanized conduit style test station as manufactured by AGRA Industries with a removable solid cover having two leads extending from the face or approved equal. The test station for valve applications shall be 2 inch flush style test station T2PS3B as manufactured by HANDLEY Industries or approved equal. The conduit style shall be attached to a 1 inch rigid galvanized conduit with a minimum length of 36" and plastic end bushing. The flush style shall have the word "Force Main" stamped or molded into the lid. All test stations shall be manufactured using molded blue tops or sufficiently coated with blue enamel paint. The tracer wire and the anode wire shall be installed to allow 10 inches of wire within the test station. In concrete environments such as sidewalks or in the downtown area the contractor shall use the flush style test station. The location of all test stations shall be approved by the engineer, recorded, and shown in the as-built drawings.

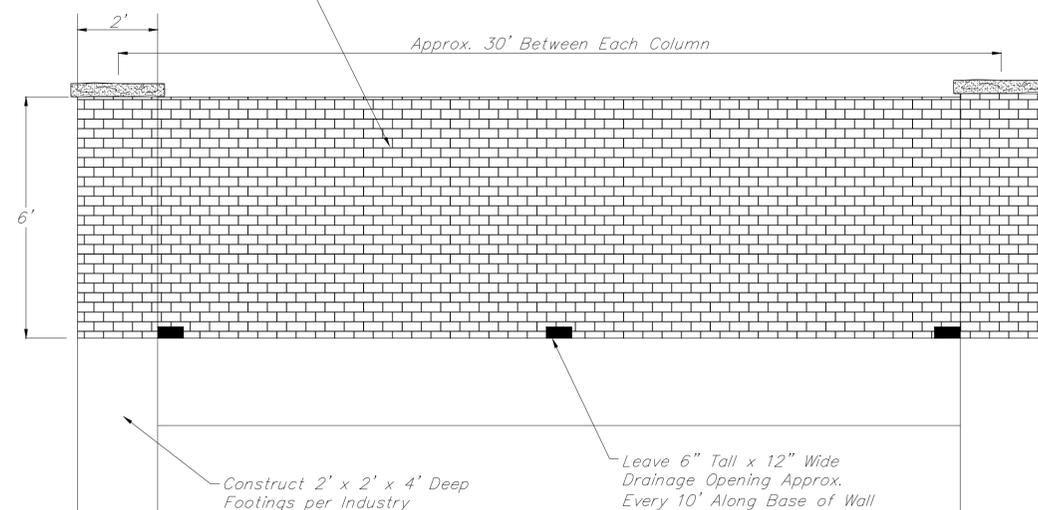
**ANODES**

The anodes shall be 1 lb. bare zinc or magnesium. The anodes shall be buried at the same elevation as the waterline at each test station. The anodes shall be connected to Black No. 12 THHN annealed soft copper wire which shall be extended to the test station.

**TRACER WIRE DETAIL**

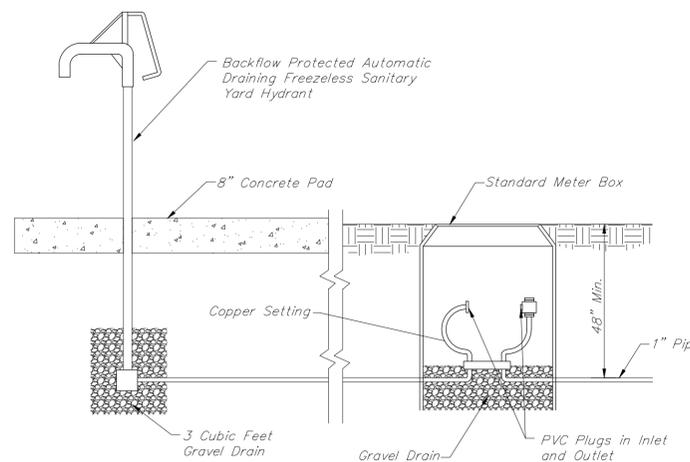
COST IS SUBSIDIARY TO PIPE INSTALLATION

Construct 6' Tall Concrete Slump Block Wall per Industry Standards and City Standards. Wall shall be Left Unpainted. Contractor shall Obtain Approval from Developer for Texture and Finish Style of Wall.



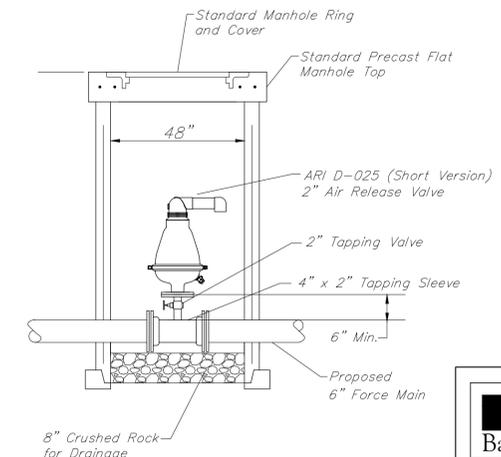
**SCREEN WALL DETAIL**

Note: Cost of 6' Concrete Slump Block Screening Wall shall be Included in L.S. Bid Item "Lift Station Module."



**YARD HYDRANT DETAIL**

Note: All Costs Associated with the Yard Hydrant shall be Included in L.S. Bid Item "Lift Station Module."



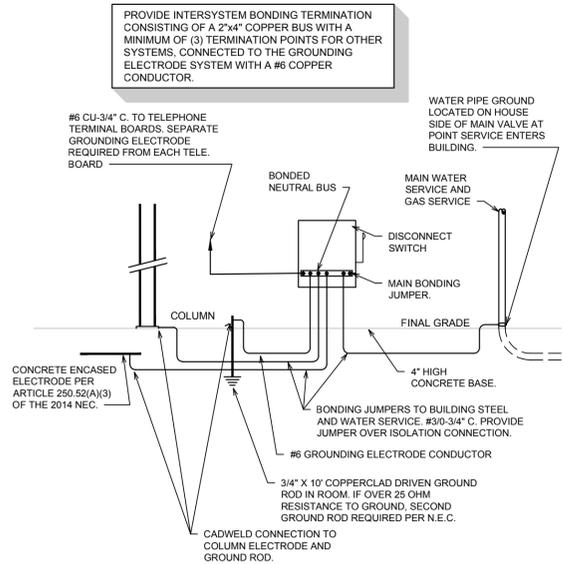
**AIR RELEASE VALVE and VAULT DETAIL**

Note: Install Air Release Valve and Vault at Locations as Shown on the Plans. All Costs Associated with Air Release Valves shall be Included in 6" Force Main Bid Item.

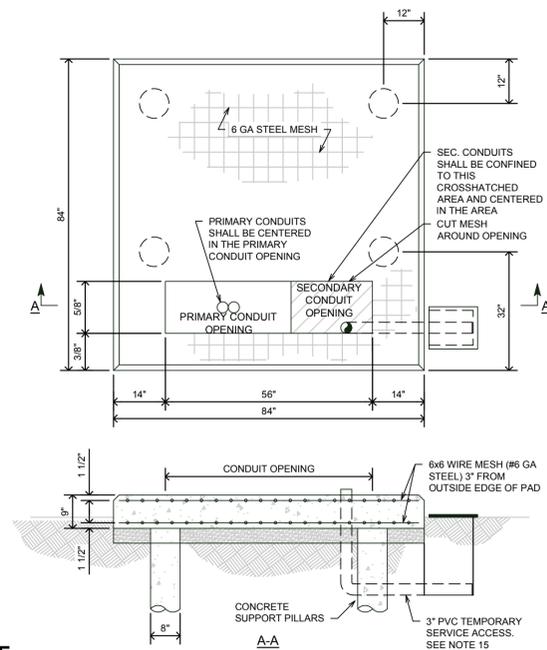


|                                                                                                                                                   |                |                                                                         |                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------|--------------------------|
| <b>Baughman</b>                                                                                                                                   |                | Rocky Ford Addition<br><b>MISC DETAILS</b><br>Sanitary Sewer Force Main |                          |
| Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316262-7271 F 316262-0149<br>ENGINEERING   SURVEYING   PLANNING   LANDSCAPE ARCHITECTURE |                |                                                                         |                          |
| PROJECT NUMBER<br>468-84465                                                                                                                       | DESIGN<br>DMV  | DRAWN<br>DJI                                                            | DATE<br>7.17             |
| REVISIONS:                                                                                                                                        | SCALE<br>Noted |                                                                         |                          |
|                                                                                                                                                   |                |                                                                         | SHEET<br><b>13 OF 26</b> |

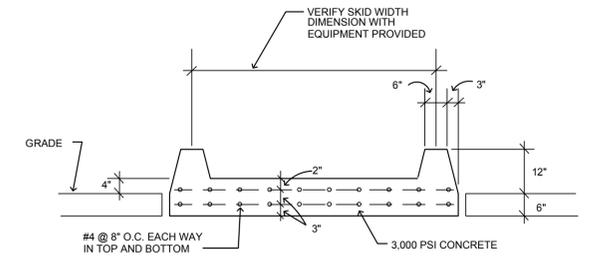
### 3 SYSTEM GROUNDING DETAIL-DISCONNECT



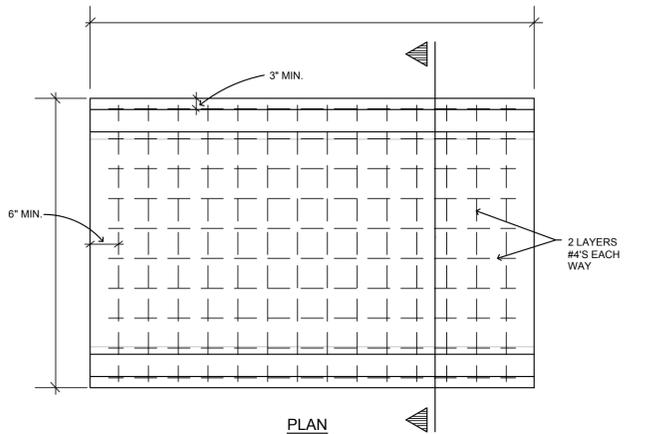
NOTE: PROVIDE OTHER GROUND CONNECTIONS AS SPECIFIED IN N.E.C. ARTICLE 250.50 (2014)



- NOTES:
- PAD LOCATION SHALL BE APPROVED BY LOCAL UTILITY COMPANY.
  - TRANSFORMER SHALL BE INSTALLED NEAR THE CUSTOMER'S SERVICE ENTRANCE.
  - IF TRANSFORMER PAD IS INSTALLED IN AN AREA SUBJECT TO VEHICULAR TRAFFIC, THE INSTALLATION SHALL BE PROTECTED WITH A PIPE-RAIL GUARD. (SEE SS-77.9)
  - FOR PROPER CLEARANCE AROUND THE TRANSFORMER, REFER TO SS-75.0.
  - CONTRACTOR SHALL EXTEND FORMS DOWN TO AT LEAST 3\"/>



- NOTES:
- PAD BY G.C./E.C. TO VERIFY ALL REQUIREMENTS WITH EQUIPMENT PROVIDED PRIOR TO POURING PAD.
  - THICKNESS AND STEEL MUST BE SIZED PER GENERATOR SIZE.

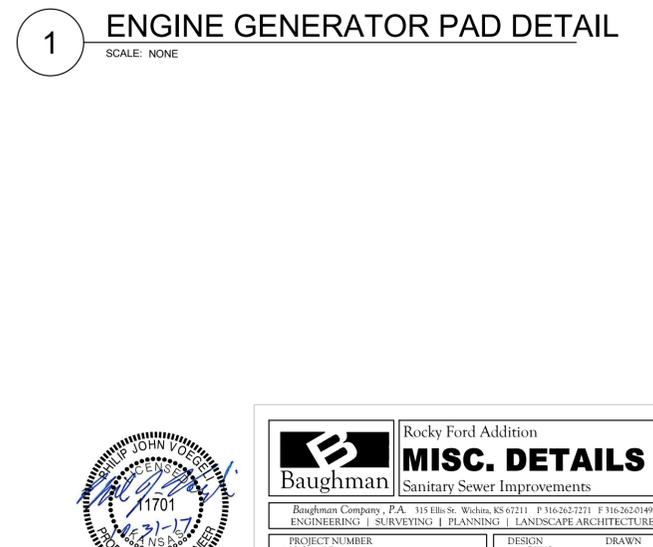


- NOTES:
- INSTALL 1/4 X 1/4 REMOVABLE WIRE FENCING AROUND GENERATOR AND PAD AND ANY OPENINGS TO STOP RODENT ENTRY.

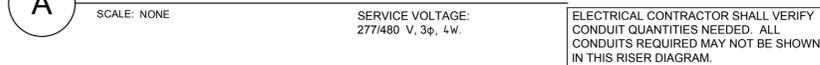
### 2 TRANSFORMER PAD DETAIL



### 1 ENGINE GENERATOR PAD DETAIL



### A ELECTRICAL RISER DIAGRAM



**Baughman** Rocky Ford Addition  
**MISC. DETAILS**  
 Sanitary Sewer Improvements

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

|                             |                   |                       |
|-----------------------------|-------------------|-----------------------|
| PROJECT NUMBER<br>468-34463 | DESIGN<br>GWS     | DRAWN                 |
| REVISIONS:                  | APPROVED<br>BJV   | DATE<br>11-01-17      |
|                             | SCALE<br>AS NOTED | SHEET<br><b>14 26</b> |

Integrated Consulting Engineers, Inc.  
 349 South Hydraulic • Wichita, KS 67211  
 316.264.3888 • 316.264.3948 • www.icengr.com

| 120/208V/3Ø/4W+GRD<br>50 AMP BKR, WALL MTD<br>42,000 AIC LABELED |           |                  |      |          |       |          |      |                  |           |           |
|------------------------------------------------------------------|-----------|------------------|------|----------|-------|----------|------|------------------|-----------|-----------|
| MINI-POWER ZONE L<br>INTEGRAL PANEL/TRANSFORMER                  |           |                  |      |          |       |          |      |                  |           |           |
| CIRC. NO.                                                        | LOAD V.A. | LOAD DESCRIPTION | POLE | AMP SIZE | PHASE | AMP SIZE | POLE | LOAD DESCRIPTION | LOAD V.A. | CIRC. NO. |
| 1                                                                | 140       | PUMP LIGHTG      | 1    | 20       | A     | 20       | 1    | INT. RECEPT.     | 200       | 2         |
| 3                                                                | 300       | EXT. LIGHTING    | 1    | 20       | B     | 20       | 1    | BATTERY CHRGR    | 1000      | 4         |
| 5                                                                | 200       | EXT. RECEPT.     | 1    | 20       | C     | 15       | 2    | JACKET HTR       | 1500      | 6         |
| 7                                                                | 60        | EF-1             | 1    | 20       | A     | --       | --   |                  |           | 8         |
| 9                                                                |           | SPARE            | 1    | 25       | B     | 15       | 2    | COOLANT HTR      | 1500      | 10        |
| 11                                                               |           | SPARE            | 1    | 20       | C     | --       | --   |                  |           | 12        |
| 13                                                               |           | SPACE            |      |          | A     | 20       | 1    | SPARE            |           | 14        |
| 15                                                               |           | SPACE            |      |          | B     |          |      | SPACE            |           | 16        |
| 17                                                               |           | SPACE            |      |          | C     |          |      | SPACE            |           | 18        |

- ① 15 KVA MINI-POWER ZONE COMBINATION PANEL/ TRANSFORMER, 480V. PRIMARY WITH 120/208V, 3-PHASE, 4-WIRE SECONDARY. 18 POLE PANEL.
- ② VERIFY CIRCUITING REQUIREMENTS WITH GENERATOR PROVIDED PRIOR TO ORDERING PANEL AND BREAKERS.

| 277/480V/3Ø/4W+GRD<br>225 AMP M.L.O, SURFACE MTD.<br>42,000 AIC LABELED |           |                  |      |          |       |          |      |                  |           |           |
|-------------------------------------------------------------------------|-----------|------------------|------|----------|-------|----------|------|------------------|-----------|-----------|
| PANEL H<br>W/ GRD. BUS                                                  |           |                  |      |          |       |          |      |                  |           |           |
| CIRC. NO.                                                               | LOAD V.A. | LOAD DESCRIPTION | POLE | AMP SIZE | PHASE | AMP SIZE | POLE | LOAD DESCRIPTION | LOAD V.A. | CIRC. NO. |
| 1                                                                       | 15,000    | MINI ZONE L      | 3    | 25       | A     | 60       | 3    | CP-1             | 43600     | 2         |
| 3                                                                       |           |                  |      |          | B     |          |      |                  |           | 4         |
| 5                                                                       |           |                  |      |          | C     |          |      |                  |           | 6         |
| 7                                                                       |           | SPARE            | 1    | 20       | A     | 20       | 3    | UH-1             | 3300      | 8         |
| 9                                                                       |           | SPARE            | 1    | 20       | B     |          |      |                  |           | 10        |
| 11                                                                      |           | SPARE            | 1    | 20       | C     |          |      |                  |           | 12        |
| 13                                                                      |           | SPACE            |      |          | A     | 20       | 1    | SPARE            |           | 14        |
| 15                                                                      |           | SPACE            |      |          | B     |          |      | SPACE            |           | 16        |
| 17                                                                      |           | SPACE            |      |          | C     |          |      | SPACE            |           | 18        |

| LIGHT FIXTURE SCHEDULE |              |                        |       |      |             |          |          |                        |
|------------------------|--------------|------------------------|-------|------|-------------|----------|----------|------------------------|
| FIXT LTR               | MANUFACTURER | CATALOG NUMBER         | LAMPS |      | FIXT. VOLT. | FINISH   | MOUNTING | REMARKS                |
|                        |              |                        | NO    | TYPE |             |          |          |                        |
| A                      | WILLIAMS     | 96-4-L62-HIAFR-DRV-UNV | --    | LED  | UNV         | WHITE    | SURFACE  | ENCLOSED AND GASKETED. |
| B                      | WILLIAMS     | WPI-L44/850-PG-WG-120  | --    | LED  | 120         | STANDARD | WALL     | ①②                     |

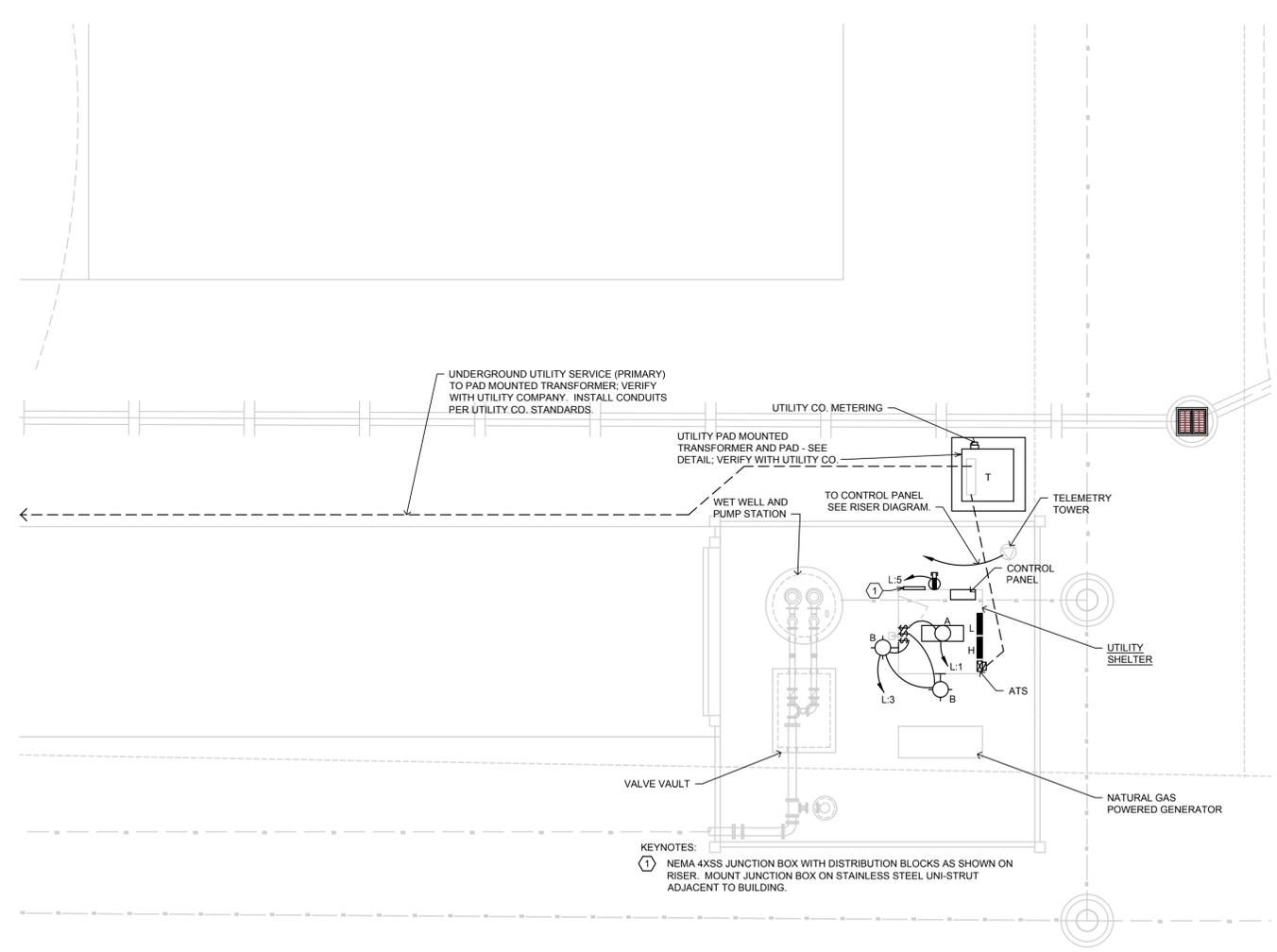
- ### LIGHT FIXTURE SCHEDULE NOTES
- ① PROVIDE FIXTURE WITH INTEGRAL PHOTOCELL.
  - ② MANUFACTURERS LISTED IN THIS SCHEDULE OR APPROVED BY WRITTEN ADDENDUM WILL BE THE ONLY APPROVED MANUFACTURERS TO BID THE LIGHTING FIXTURES FOR THIS PROJECT. CONTRACTORS AND SUPPLIERS USING PRICING FROM MANUFACTURERS NOT LISTED ON SCHEDULE OR BY ADDENDUM DO SO AT THEIR OWN RISK.

| EQUIPMENT CONNECTION SCHEDULE |                     |       |     |                                 |      |      |      |      |      |      |                                  |       |       | SCH. CODE<br>SW=DISC. SW<br>CB=CIR. BKR.<br>T=TOGGLE SW. |                     |           |               |                      |
|-------------------------------|---------------------|-------|-----|---------------------------------|------|------|------|------|------|------|----------------------------------|-------|-------|----------------------------------------------------------|---------------------|-----------|---------------|----------------------|
| UNIT DESIG.                   | LOAD H.P.           | FLA   | MCA | PANEL DEVICE RATING (AMPS/POLE) |      |      |      |      |      |      | DISC. DEVICE AT UNIT (AMPS/POLE) |       |       |                                                          | STARTER (SIZE/POLE) | CIRC. NO. | FEEDER IDENT. |                      |
|                               |                     |       |     | 20/1                            | 25/3 | 30/3 | 35/3 | 40/3 | 50/3 | 60/3 | 75/3                             | 100/3 | 200/3 | 40/2                                                     |                     |           |               | 30/2                 |
| CP-1                          | DUPLX CONTROL PANEL |       |     |                                 |      |      |      |      |      |      |                                  |       |       |                                                          |                     |           |               |                      |
| 1                             | (2)                 | 15    | 42  | 53                              |      |      |      |      |      |      |                                  |       |       | SW                                                       |                     |           | H-2           | 3#4& 1#8GRD-1 1/4" C |
| P-1                           | PUMP                |       |     |                                 |      |      |      |      |      |      |                                  |       |       |                                                          |                     |           |               |                      |
| 1                             |                     | 15    | 21  | 27                              |      |      |      |      |      |      |                                  |       |       | SW                                                       | VFD                 |           | CP-1          | 3#10& 1#10GRD-1" C   |
| 2                             |                     | 15    | 21  | 27                              |      |      |      |      |      |      |                                  |       |       | SW                                                       | VFD                 |           | CP-1          | 3#10& 1#10GRD-1" C   |
| EF-1                          | EXHAUST FAN         |       |     |                                 |      |      |      |      |      |      |                                  |       |       |                                                          |                     |           |               |                      |
| 1                             |                     | 60W   |     |                                 |      |      |      |      |      |      |                                  |       |       |                                                          |                     |           | L-7           | 2#12& 1#12GRD-1/2" C |
| UH-1                          | UNIT HEATER         |       |     |                                 |      |      |      |      |      |      |                                  |       |       |                                                          |                     |           |               |                      |
| 1                             |                     | 3.3KW | 4   |                                 |      |      |      |      |      |      |                                  |       |       | SW                                                       |                     |           | H-8           | 3#12& 1#12GRD-3/4" C |

- ### EQUIPMENT CONNECTION SCHEDULE NOTES
- ① ALL CONNECTIONS AND ELECTRICAL EQUIPMENT LISTED IN SCHEDULE SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. FIELD VERIFY CONNECTION REQUIREMENTS AND EQUIPMENT PROVIDED BY OTHERS PRIOR TO ROUGH-IN.
  - ② REFER TO DRAWINGS AND SPECIFICATIONS FOR THE REQUIREMENTS ASSOCIATED WITH WIRING AND CONNECTIONS OF INTERLOCKING, THERMOSTAT LOCATIONS, EXHAUST FAN CONTROL SWITCHES, AND OTHER CONTROLS OF MECHANICAL EQUIPMENT.
  - ③ NOT USED.
  - ④ PROVIDE A 30A, 1 POLE, 125V. HORSEPOWER RATED TOGGLE SWITCH WITH A 125V, 3/4 HP RATED FUSTAT (EQUAL TO BUSSMAN #SOY), SIZE FUSE PER MANUFACTURER'S RECOMMENDATION.
  - ⑤ STARTER AND POWER FACTOR CORRECTION CAPACITORS SHALL BE PROVIDED AS PART OF CP-1. CONTRACTOR TO PROVIDE WIRING FROM CP-1 TO DISTRIBUTION BLOCKS IN JUNCTION BOX LOCATED OUTSIDE BUILDING AND CONNECT PUMP SUPPLIED CABLING AS REQUIRED.
  - ⑥ PROVIDE CONNECTION TO EXHAUST AN PROVIDED WITH UTILITY SHED AS REQUIRED. INSTALL A COOK MODEL GC-142 CABINET FAN OR EQUIVALENT. 75 CFM AT 0.25" E.S.P., 59 WATTS, 120V/1Ø. INSTALL TIGHT TO CEILING OF UTILITY SHELTER. PROVIDE ALUMINUM GRILLE, WALL CAP PAINTED TO MATCH UTILITY SHELTER, CONTROL TRANSFORMER, AND 24V. THERMOSTAT TO TURN FAN ON ABOVE 80° (ADJUSTABLE). INSTALL A 12" X 12" WALL LOUVER WITH MOTORIZED DAMPER INTERLOCKED TO OPEN WITH FAN OPERATION.
  - ⑦ PROVIDE CONNECTION TO UNIT HEATER IN UTILITY SHED AS REQUIRED. VERIFY LOCATION PRIOR TO ROUGH-IN. INSTALL A MARKEL MODEL P3P5103CAIN ELECTRIC UNIT HEATER OR EQUIVALENT. HEATER SHALL BE 3.3 KW, 112 MBH, 4 ØA, 480/3Ø. PROVIDE WITH WALL MOUNTING BRACKET, CONTROL TRANSFORMER, AND 24 V LOW VOLTAGE THERMOSTAT TO START THE HEATER BELOW 50° (ADJUSTABLE).

| SYMBOL LIST |                                               |              |
|-------------|-----------------------------------------------|--------------|
| SYMBOL      | DESCRIPTION                                   | MOUNTING     |
| (A)         | FLUORESCENT FIXTURE & FIXTURE LETTER          | CEILING      |
| (H-A)       | INCAND. OR H.I.D. FIXTURE & FIXT. LETTER      | WALLBRACKET  |
| (GFCI)      | GFCI DUPLX GROUNDED RECEPTACLE                | 1'-3" AFF    |
| (D)         | DUPLX GROUNDED RECEPTACLE                     | 1'-3" AFF    |
| (E)         | EXTERIOR GFCI RECEPT. WEATHERPROOF            | 1'-3" AFF    |
| (S)         | SWITCHES (1-POLE,3-WAY,4-WAY,PILOT,KEY)       | 4'-0" TO TOP |
| (J)         | JUNCTION BOX                                  |              |
| (F)         | FUSTAT                                        |              |
| (□)         | SPECIAL DEVICE AS NOTED ON PLAN               |              |
| (A)         | BRANCH CIRCUIT PANEL & PANEL DESIG.           | 6'-6" TO TOP |
| (30/3/240)  | H.D. SAFETY SWITCH (AMPS,POLE,VOLTAGE)        | 6'-6" TO TOP |
| (0/3/240)   | STARTER (SIZE,POLE,VOLTAGE)                   | 6'-6" TO TOP |
| (T)         | THERMOSTAT (BY M.C.)                          | 4'-0" TO TOP |
| (M)         | MOTOR                                         |              |
| (C)         | CONDUIT RUN 2#12 & 1#12 GRD.-1/2"C.           | CEIL./WALL   |
| (H)         | CONDUIT RUN 2 CIRCUIT,3#12 & 1#12 GRD.-1/2"C. | EARTH/FLOOR  |
| (H)         | PARTIAL HOMERUN (MULTIPLE LOAD LOCATIONS)     |              |
| (#10 H)     | SEE NOTE #7                                   |              |
| (XXX)       | FEEDER IDENTIFICATION, SEE SCHEDULE           |              |
| (WP)        | WEATHERPROOF                                  |              |
| a,b,c       | INDICATES SWITCHING SCHEME                    |              |

- ### GENERAL NOTES
- ALL ELECTRICAL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) & THE AMERICANS WITH DISABILITIES ACT (ADA).
  - REFER TO RELATED ARCHITECTURAL, MECHANICAL, AND STRUCTURAL DRAWINGS FOR RELATED INFORMATION.
  - REFER TO THE SPECIFICATIONS FOR DATA NOT ON THE DRAWINGS.
  - E.C. SHALL REFER TO DRAWINGS AND SPECIFICATIONS FOR THE REQUIREMENTS ASSOCIATED WITH WIRING AND CONNECTION OF INTERLOCKING AND CONTROLS OF MECHANICAL UNITS AND THERMOSTAT LOCATIONS.
  - COORDINATE OUTLET BOX LOCATIONS WITH MASONRY TO MINIMIZE CUTTING OF BRICK OR BLOCK.
  - ALL MOUNTING HEIGHTS TO CENTERLINE OF ITEM UNLESS OTHERWISE NOTED. VERIFY ALL OUTLET LOCATIONS ON THE JOB PRIOR TO ROUGH-IN.
  - CONDUIT RUN W/ CONDUCTORS AS INDICATED & GROUND WIRE SIZED PER N.E.C. 250-122 (2014); CONDUIT SIZE AS REQUIRED.
  - WHEN INCREASED CONDUCTOR SIZES ARE SHOWN ON THE PLANS, THE LARGER CONDUCTOR SIZE SHALL BE USED THROUGHOUT THE LENGTH OF THE CIRCUIT, INCLUDING NEUTRAL AND GROUND.
  - CONTRACTOR SHALL BUILD TO ALL CURRENT NATIONAL, STATE, AND LOCAL CODES.



**A** ELECTRICAL LAYOUT DIAGRAM  
SCALE: 1/8"= 1'-0"  
NORTH



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**Baughman** Rocky Ford Addition  
**MISC. DETAILS**  
Sanitary Sewer Improvements

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

|                             |                   |                  |
|-----------------------------|-------------------|------------------|
| PROJECT NUMBER<br>468-34463 | DESIGN<br>GWS     | DRAWN            |
| REVISIONS:                  | APPROVED<br>BJV   | DATE<br>11-01-17 |
|                             | SCALE<br>AS NOTED |                  |
|                             | SHEET             | <b>15 26</b>     |

**BENCHMARKS:**  
**BM #1:** City of Wichita Benchmark Disk at South End of Hubguard on the SW Cor. of R.C.B.C., West Side of Rock Road, 706'. North-Northwest Corner of Lot 44, Block A, Rocky Ford Addition Elev. = 1368.14 NAVD88

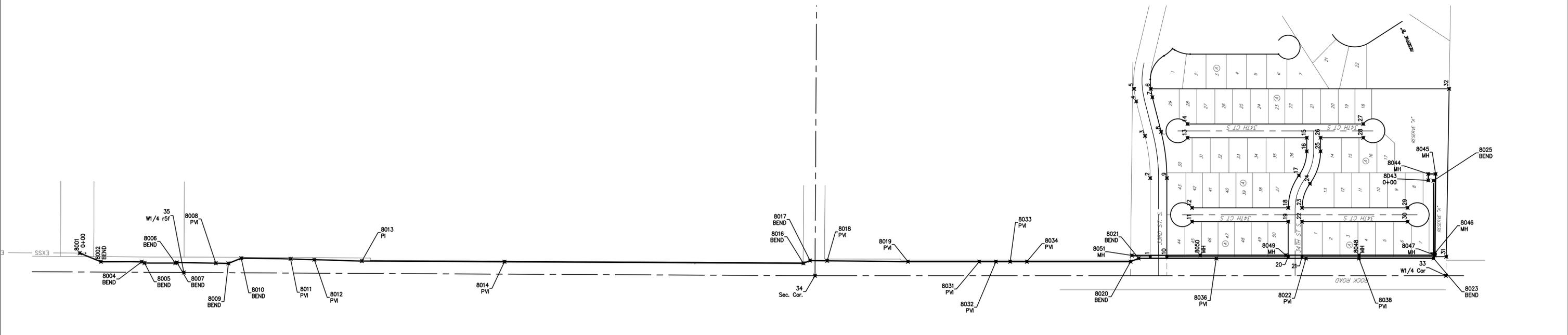
**BM #2:** "□" on Fence Footing under Warning US Airforce Installation Sign West of Rock Road, 400' N of W 1/4 Cor. Elev. = 1377.45 NAVD88

**BM #3:** "□" on Northeast Cor. Headwall RCP, East of Rock Road and South of Arnold Blvd. Elev. = 1376.10 NAVD88

**BM #4:** "□" on Top of Curb by Fire Hydrant, South of Concrete Drive at 2800 S. Rock Road Elev. = 1379.84 NAVD88

| IRONS |          |          |           |
|-------|----------|----------|-----------|
| Point | Northing | Easting  | Desc      |
| 1     | 21243.89 | 10080.00 |           |
| 2     | 21243.89 | 10410.11 |           |
| 3     | 21266.10 | 10587.42 |           |
| 4     | 21303.01 | 10732.47 |           |
| 5     | 21312.21 | 10785.00 |           |
| 6     | 21241.79 | 10785.00 |           |
| 7     | 21235.17 | 10749.73 |           |
| 8     | 21198.26 | 10604.68 |           |
| 9     | 21173.89 | 10410.11 |           |
| 10    | 21173.89 | 10080.00 |           |
| 11    | 21068.16 | 10227.25 |           |
| 12    | 21068.16 | 10285.25 |           |
| 13    | 21087.18 | 10579.75 |           |
| 14    | 21087.18 | 10637.75 |           |
| 15    | 20585.39 | 10579.75 |           |
| 16    | 20585.39 | 10522.56 |           |
| 17    | 20618.74 | 10421.11 |           |
| 18    | 20663.39 | 10285.25 |           |
| 19    | 20663.39 | 10227.25 |           |
| 20    | 20663.39 | 10080.00 |           |
| 21    | 20605.39 | 10080.00 |           |
| 22    | 20605.39 | 10227.25 |           |
| 23    | 20605.39 | 10285.25 |           |
| 24    | 20572.05 | 10386.70 |           |
| 25    | 20527.39 | 10522.56 |           |
| 26    | 20527.39 | 10579.75 |           |
| 27    | 20347.67 | 10637.75 |           |
| 28    | 20347.67 | 10579.75 |           |
| 29    | 20161.12 | 10285.25 |           |
| 30    | 20161.12 | 10227.25 |           |
| 31    | 19998.63 | 10080.00 |           |
| 32    | 19986.60 | 10785.00 |           |
| 33    | 20000.00 | 10000.00 | W1/4 Cor  |
| 34    | 22654.30 | 10000.00 | Sec. Cor. |
| 35    | 25309.84 | 10013.46 | W1/4 r5f  |

| SS COORDS |          |          |      |
|-----------|----------|----------|------|
| Point     | Northing | Easting  | Desc |
| 8001      | 25747.75 | 10094.95 | O+00 |
| 8002      | 25658.95 | 10058.68 | BEND |
| 8004      | 25487.22 | 10058.43 | BEND |
| 8005      | 25475.50 | 10053.53 | BEND |
| 8006      | 25345.67 | 10053.01 | BEND |
| 8007      | 25338.93 | 10055.65 | BEND |
| 8008      | 25175.50 | 10052.60 | PVI  |
| 8009      | 25122.35 | 10051.93 | BEND |
| 8010      | 25068.09 | 10073.61 | BEND |
| 8011      | 24860.59 | 10071.00 | PVI  |
| 8012      | 24760.66 | 10067.35 | PVI  |
| 8013      | 24560.74 | 10061.65 | PI   |
| 8014      | 23960.75 | 10058.61 | PVI  |
| 8016      | 22703.28 | 10052.25 | BEND |
| 8017      | 22675.12 | 10063.76 | BEND |
| 8018      | 22603.13 | 10062.86 | PVI  |
| 8019      | 22263.05 | 10059.02 | PVI  |
| 8020      | 21326.60 | 10059.00 | BEND |
| 8021      | 21292.80 | 10073.00 | BEND |
| 8022      | 20588.43 | 10073.00 | PVI  |
| 8023      | 20052.13 | 10073.00 | BEND |
| 8025      | 20052.25 | 10398.99 | BEND |
| 8031      | 21963.05 | 10059.01 | PVI  |
| 8032      | 21893.14 | 10059.01 | PVI  |
| 8033      | 21833.14 | 10059.01 | PVI  |
| 8034      | 21763.05 | 10059.01 | PVI  |
| 8036      | 20965.84 | 10073.00 | PVI  |
| 8038      | 20365.83 | 10073.00 | PVI  |
| 8043      | 20073.66 | 10400.50 | O+00 |
| 8044      | 20074.17 | 10427.50 | MH   |
| 8045      | 20043.67 | 10427.50 | MH   |
| 8046      | 20045.99 | 10095.00 | MH   |
| 8047      | 20046.05 | 10086.00 | MH   |
| 8048      | 20365.39 | 10086.00 | MH   |
| 8049      | 20673.39 | 10086.00 | MH   |
| 8050      | 21033.39 | 10086.00 | MH   |
| 8051      | 21321.30 | 10085.00 | MH   |



|                                  |                                                                                                                                                                              |                                                         |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
|                                  | <b>Rocky Ford Addition</b><br><b>COORDINATES</b><br>Sanitary Sewer Improvements                                                                                              |                                                         |
|                                  | <small>Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149<br/>         ENGINEERING   SURVEYING   PLANNING   LANDSCAPE ARCHITECTURE</small> |                                                         |
| PROJECT NUMBER<br><br>REVISIONS: | DESIGN<br>DMV<br>APPROVED<br><br>SCALE<br>Noted<br>SHEET                                                                                                                     | DRAWN<br>DJL<br>DATE<br>10/29/17<br><br><b>25 OF 26</b> |

# ROCKY FORD ADDITION WICHITA, SEDGWICK COUNTY, KANSAS

State of Kansas) SS We, Baughman Company, P.A., Surveyors in  
Sedgwick County) above said county and state do hereby certify that we have surveyed and  
platted "ROCKY FORD ADDITION", Wichita, Sedgwick County, Kansas and  
that the accompanying plat is a true and correct exhibit of the property  
surveyed, described as and being a replat of all of Lots 1, 2, 3, 4, 5, and  
6, Block A, Rocky Ford Industrial Park, Sedgwick County, Kansas.

Existing public easements, dedications, building  
setbacks, and access controls, if any, being  
vacated by virtue of K.S.A. 12-5126, as amended.  
Baughman Company, P.A.

This plat of "ROCKY FORD ADDITION", Wichita,  
Sedgwick County, Kansas has been submitted to and approved by the  
Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita,  
Kansas.  
Dated this 9th day of FEBRUARY, 2017.  
Wichita-Sedgwick County Metropolitan Area Planning Commission



David W. Foster, Chairman  
Dale Miller, Secretary

Michael G. Conrey 13-2017, Surveyor  
Michael G. Conrey

Know all men by these presents that we,  
the undersigned, have caused the land in the surveyors certificate to be  
platted into Lots, a Block, Streets and a Reserve to be known as "ROCKY  
FORD ADDITION", Wichita, Sedgwick County, Kansas. The utility easements  
are hereby granted as indicated for the construction and maintenance of  
all public utilities. The drainage easement is hereby granted as indicated  
for drainage purposes. The drainage and utility easements are hereby  
granted as indicated for drainage purposes and for the construction and  
maintenance of all public utilities. No signs, light poles, private drainage  
systems, masonry trash enclosures or other structures shall be located  
within public utility easements. The drainage and pedestrian access  
easements are hereby granted as indicated for drainage purposes and for  
pedestrian access to or from 33rd St. S. and no fences or other  
structures shall be constructed or placed on or within these easements.  
The pedestrian access easements are hereby granted to the public and  
repairs and condemnations shall be made as if the sidewalks were located  
on public property. The streets are hereby dedicated to and for the use  
of the public. Reserve "A" is hereby reserved for open space, landscaping,  
public sidewalks, lakes, berms, drainage purposes, a sanitary sewer lift  
station as confined to easement, and utilities as confined to easements.  
Reserve "A" shall be owned and maintained by a homeowners association.  
Access controls shall be as depicted on the face of the plat and are  
hereby granted to the City of Wichita, Kansas. The Minimum Building Pad  
Elevations for the lowest opening to the structures shall be as indicated  
on the face of the plat.

This plat approved and all dedications  
shown hereon accepted by the City Council of the City of Wichita,  
Kansas, this 14th day of April, 2017.

Jeff Loggwell, Mayor  
Karen Sublett, City Clerk

Reviewed in accordance with K.S.A. 58-2005  
on this 15th day of March, 2017.

Tricia L. Robello, L.S. #1248  
Deputy County Surveyor  
Sedgwick County, Kansas

31st South Rock Investments, LLC  
a Kansas Limited Liability Company

Kevin M. Mullen, President  
of Ritchie Associates, Inc.

State of Kansas) SS The foregoing instrument acknowledged before  
me, this 13th day of March, 2017, by Kevin M. Mullen, President of  
Ritchie Associates, Inc., as Manager of 31st South Rock Investments, LLC,  
a Kansas limited liability company, on behalf of the limited liability company.

Judith M. Terhune, Notary Public  
My App't. Exp. 11-1-17

We the undersigned holders of a mortgage on the  
above described property, do hereby consent to this plat of "ROCKY FORD  
ADDITION", Wichita, Sedgwick County, Kansas.  
Legacy Bank

Brad E. Yarger, E.V.P.  
BRAD E. YARGER

State of Kansas) SS The foregoing instrument acknowledged be-  
fore me, this 14th day of March, 2017, by Brad E. Yarger E.V.P.  
of Legacy Bank, on behalf of the bank.

Stephanie Schwarz, Notary Public  
My App't. Exp. 11-1-17

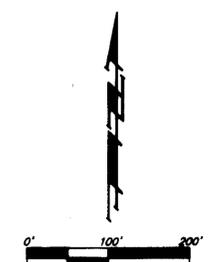
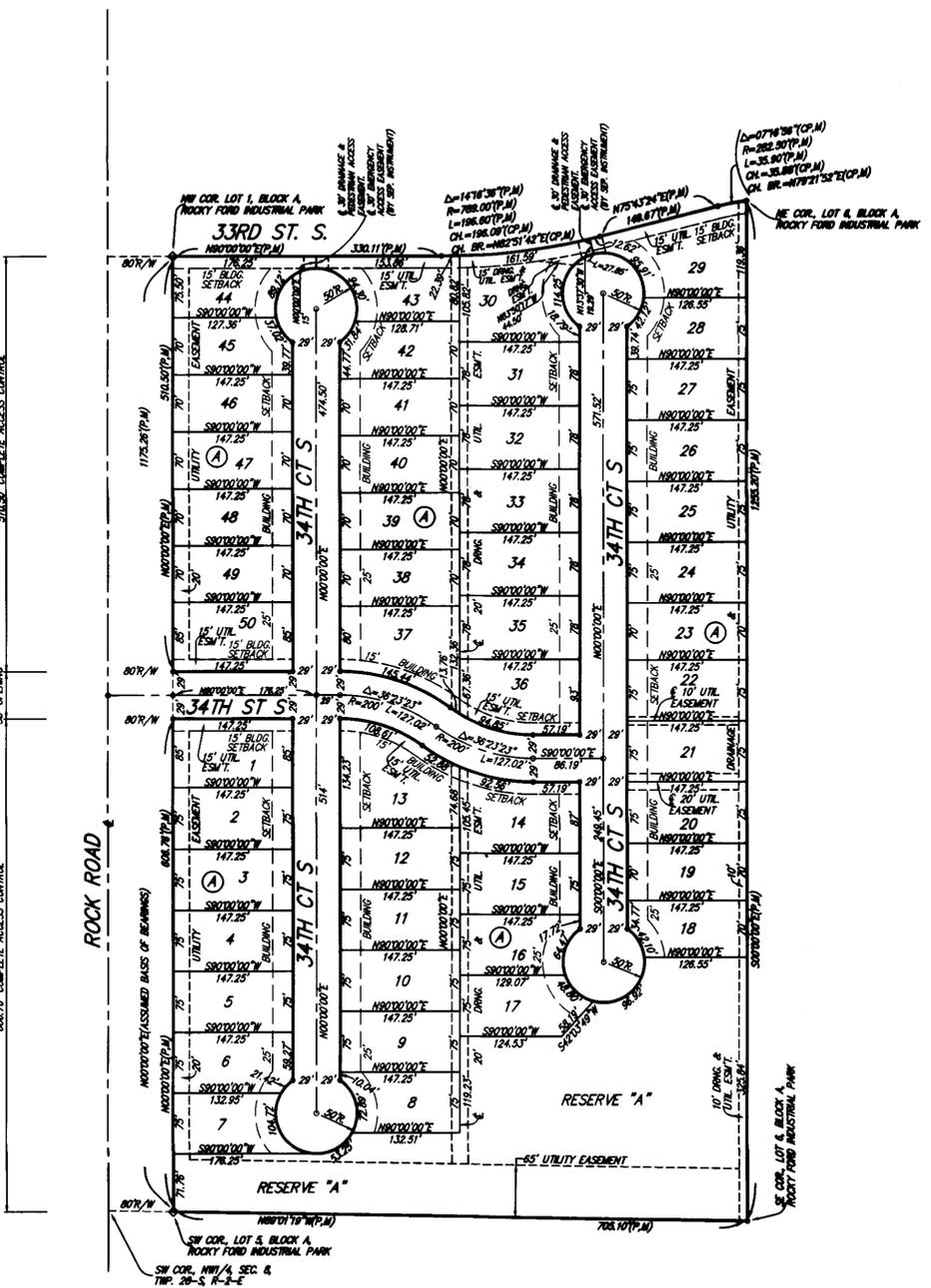
Entered on transfer record this 23rd day  
of May, 2017.

Kelly B. Arnold, County Clerk

State of Kansas) SS This is to certify that this plat has been  
filed for record in the office of the Register of Deeds, this 24th day  
of May, 2017 at 1:31:00 o'clock P.M. and is duly recorded.

Tonya Buckingham, Register of Deeds

Judy J. Paget, Deputy



NOTE:  
ADDITIONAL BUILDING SETBACK REQUIREMENTS  
PER ROCKY FORD COMMERCIAL COMMUNITY  
UNIT PLAN (CLIP 2007-40/DP-300).

• = IN REBAR W/ "BAUGHMAN" CAP (SET)  
◊ = IN REBAR W/ "BAUGHMAN" CAP (FOUND)

(M) = MEASURED  
(P) = PLATTED  
(CP) = CALCULATED PER PLATTED INFO

| LOT         | BLOCK | ELEVATION |
|-------------|-------|-----------|
| 7-9, 17, 18 | A     | 1372.5    |

BENCHMARK:  
CITY OF WICHITA BENCHMARK DISK  
AT SOUTH END OF HURD ROAD ON  
THE SW COR. OF R.C.B.C., WEST  
SIDE OF ROCK ROAD, FOR  
NORTH-NORTHWEST OF THE  
NORTHWEST CORNER OF LOT 44,  
BLOCK A, ROCKY FORD ADDITION.  
ELEV. = 1367.82 NAVD83

NOTE:  
A drainage plan has been developed for the plat and all  
drainage easements, rights-of-way, or reserves shall  
remain of established grades or as modified with the  
approval of the applicable City or County Engineer and  
unobstructed to allow for the conveyance of stormwater.