# WATER DISTRIBUTION SYSTEM

to serve

# CAP Webb Storage Facility

## Lot 4 Tallgrass East Commercial

## CITY OF WICHITA, KANSAS

Gary Janzen, P.E. City Engineer
Project Number
2252 PPW (183021)

**2288 N. Webb**

Mueller
Badger 4" Meter #190002009
Meter Reading 0.000

AS BUILT
Contractor: APEX
Inspector: Larry Powell, Baughman
As Builts by: KEK,

## GENERAL NOTES:

1. *The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.*

2. *Contractor will be required to provide notice to utility companies a minimum of seventy-two (72) hours prior to any excavation, as follows:*

   *Kansas One-Call 687-2470*

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

| | |
|---|---|
| *AT&T* | *1-800-246-8464* |
| *Black Hills Energy* | *1-800-694-8989* |
| *City of Wichita Water & Sewer* | *1-316-219-8921* |
| *City of Wichita Stormwater* | *1-316-268-4090* |
| *City of Wichita Traffic* | *1-316-268-4034* |
| *Cox Communications* | *1-888-249-3530* |
| *Kansas Gas Service* | *1-888-482-4950* |
| *Westar Energy* | *1-800-544-4857* |

3. *Utility service lines, poles, etc. 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.*

4. *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 will 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 will require additional archaeological investigations unless buried in a previously approved borrow location.*

5. *Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the City Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.*

6. *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.*

7. *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.*

8. *The Engineering Division shall field locate water valves one time during construction when requested by the Contractor. It shall be the Contractor's responsibility to preserve such field locations during the construction process. Water valves, valve boxes or fire hydrants damaged during construction shall be repaired by Contractor at his own expense. Valve boxes and water meters within the project limits shall be adjusted to match final grades by the contractor.*

9. *The Contractor shall notify the inspecting engineer and Tom Mason at 316-268-4574 with the City of Wichita with the anticipated construction start date and notify them of project completion. Staking and inspection for this project will be the responsibility of the Contractor.*

10. *If traffic will be impacted by construction, a traffic control plan must be submitted and approved by the City Traffic Engineer, Brian Coon at traffic@wichita.gov before traffic@wichita.gov before 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 the 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.*

11. *All elevations shown are NAVD 88.*

12. *All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions.*

13. *Any sidewalk, drive approach, or street pavement removed to construct project must have a pavement cut permit and be replaced by the City contractor. Permits can be obtained by calling 316-268-4501 or 316-268-4480.*

14. *All applicable fees (tap, equity, in lieu of & main benefit) must be paid before any connections can be made on this project. Quotes can be obtained on fees by calling 316-268-4555.*

15. *City maintenance of water mains ends at right-of-way or easement line or within two feet of vault.*

16. *Opening and dosing of water valves shall be done slowly to prevent damage to the water distribution system from water hammer. All valves dosed by the contractor must be reopened as new construction permits. The project inspector must ascertain that any valve dosed by the Contractor is reopened. The contractor will be permitted to operate water valves only when the project inspector assigned to the project is present.*

17. *The Contractor shall lay a Tracer Wire and Set Test Stations along all water pipe installed in accordance with City Specifications and Tracer Wire Detail on detail sheet WL – 101, cost is subsidiary to pipe installation.*

18. *The contractor shall provide materials for temporary biowoff of waterlines. Connections to the existing wateriine(s) shall be made with dean, swabbed pipe and flushed upon completion of tie-ins.*

19. *Requests for short term water interruptions shall be made to the City Water Distribution Division and will be subject to their approval. The Contractor shall give written notice to any property owner, business, and/or tenants that will have water service interrupted at least 5 days in advance. Such notifications should indicate the time and date that the water will be turned off and when the service will be restored. No business, property owner, and/or tenants shall be without water service for more than 8 hours. Proposed tie in locations which will affect water service to property owners shall be preformed during non-peak hours.*

20. *The Contractor must schedule the connections to the existing main with the City such that there is a minimum disruption of service. Connections shall be made during periods of low water usage. The Contractor shall submit his proposed schedule for completing work for City approval at least 10 days prior to beginning construction.*

21. *Deflections at pipe joint or couplings shall not exceed the pipe manufactures recommended maximum. Where deflections are greater than the maximum allowed, the contractor shall utilize fittings.*

22. *Any existing joint exposed during excavation shall be replaced if within four feet of proposed joint.*

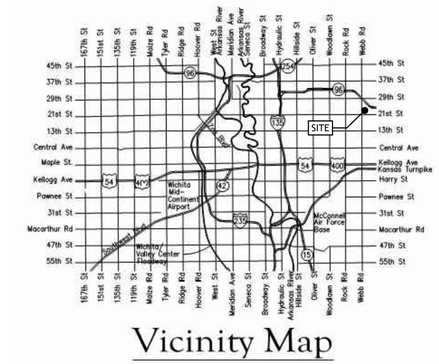
23. *Valves 12 inch and larger are to be operated by the City Water Distribution Division, 48 hours of advance notice is required with the water Dispatch at 316–291–8921.*

24. *AH wet taps shall be installed by the City of Wichita. The Contractor will reimburse the City for tapping fees prior to tap being made. Unless noted on plans.*

25. *The Contractor shall protect from damage and support existing utilities through construction as approved by the utility owner and the Engineer at the contractors expense.*

26. *Contractor shall limit the extent of trench openings overnight and weekends to less than 50 feet.*

27. *Wichita Eire Department inspections may be scheduled by calling 316-268-4441.*




Vicinity Map

## Benchmark

BM#1: *City of Wichita Benchmark on Top of Curb south of the existing Fire Hydrant (Noted on Abbott Land Survey Plat) Elev. = 1399.19'*

BM#2: *City of Wichita Benchmark on North Rim of Storm Inlet along Webb Road approx. 60' N. and 20' W. of the SW Property Corner (Notes on Abbott Land Survey Plat) Elev. = 1398.50'*

## Sheet Index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**WL and Erosion Control Details available at City of Wichita Website.*

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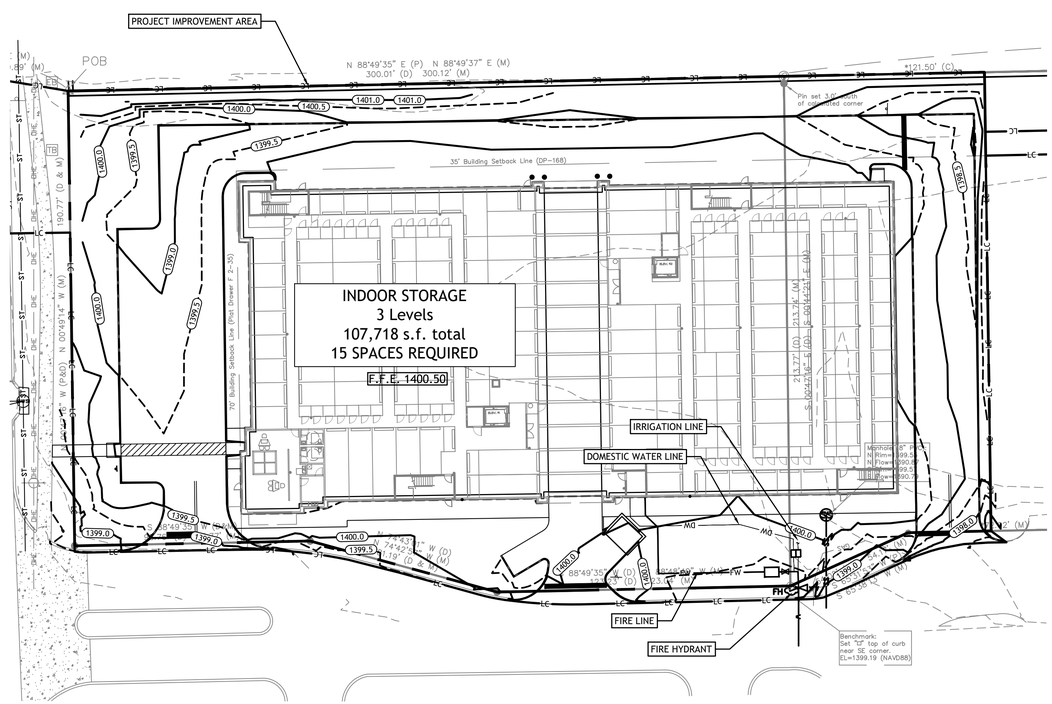
GRAPHIC SCALE

( IN FEET )
1 inch = 30 ft.




APPROVED AS NOTED
BY WICHITA PUBLIC WORKS
ENGINEERING DIVISION
& BY WICHITA FIRE DEPARTMENT

Engineering APPROVED By Seth Gotchey at 12:53 pm, Jun 27, 2019
Utilities APPROVED By Greg Leiker at 3:00 pm, Jun 27, 2019
Fire Dept. Approved by J. Fromme 07/09/19

NOTE TO CONTRACTORS

Public Property:

Inspection and testing for the waterline is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection is to be in accordance with the City of Wichita standard construction engineering practices and certified by a Professional Engineer Licensed in the state of Kansas. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection nor shall any work be commenced without written authorization by City Engineering. All Construction and Materials shall comply with the City or Wichita Specifications and Standards and Special Provision (on file and available in the City Engineer's Office) or on the City's Website.

Private Property:

Installation and testing for the fire protection line is to be performed by a City of Wichita licensed fire protection contractor in accordance with the fire codes as adopted by the City of Wichita. All material and construction practices for the fire protection line shall comply with the fire codes as adopted by the City of Wichita (available from the City of Wichita Fire Department). The Contractor shall not commence work without notification and approval of the Wichita Fire Department. Inspection of the fire protection line is to be provided by a licensed Engineering Firm under contract with the Owner/Developer and the Fire Department. The contractor shall not start work until the project inspector is assigned to the project and present on the site. Any work done without inspection will be required to be uncovered for inspection.

An approved copy of these plans signed by City staff are required on–site.

Know what's **below.**
**Call** before you dig.

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DWG Name: 2018-127 PPW.dwg
Drawing Scale: as noted
Date of Project: 01/2019
Engineer of Record:
Christopher L. Price, P.E.
Kansas PE# 26582

bluewater civil design, llc
718 Lowndes Hill Road • Greenville, SC 29607
www.bluewatercivil.com • info@bluewatercivil.com

Owner:
CAP Storage Pool 1, LLC
935 S. Main St. Ste 202
Greenville, SC 29601

CAP WEBB
INDOOR STORAGE FACILITY
N. Webb Road & E. 21st Street N
Wichita, Kansas

06/26/2019

CHRISTOPHER L. PRICE
LICENSED
26582
KANSAS
PROFESSIONAL ENGINEER

Digitally signed by Christopher L. Price, P.E.
DN: c=US, st=KS, cn=christopher@bluewatercivil.com, o="Bluewater Civil Design, LLC", ou=Christopher L. Price, P.E.
Date: 2019.07.12 13:37:06-04'00'

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Title Sheet

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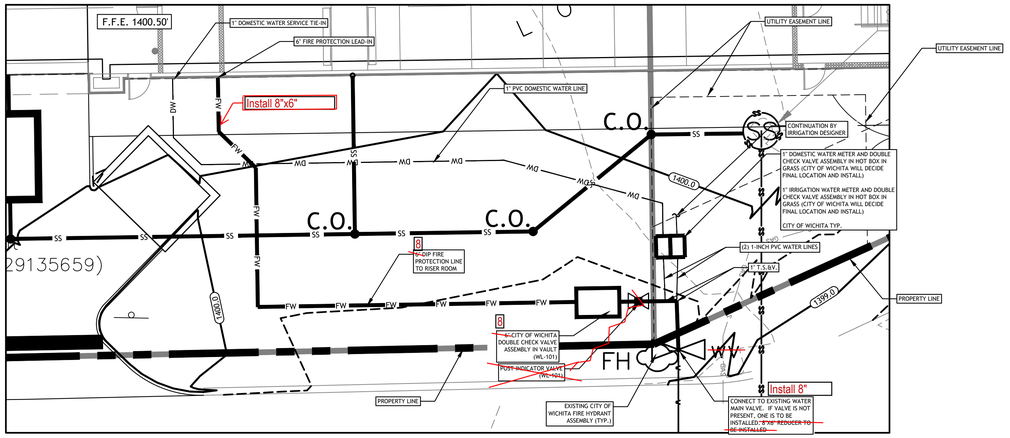


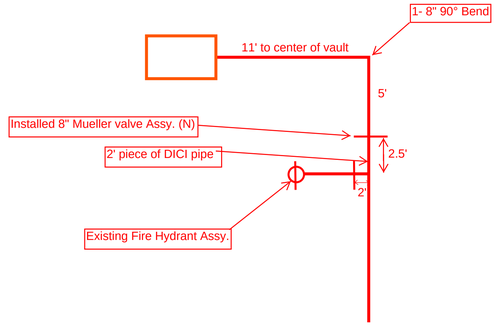


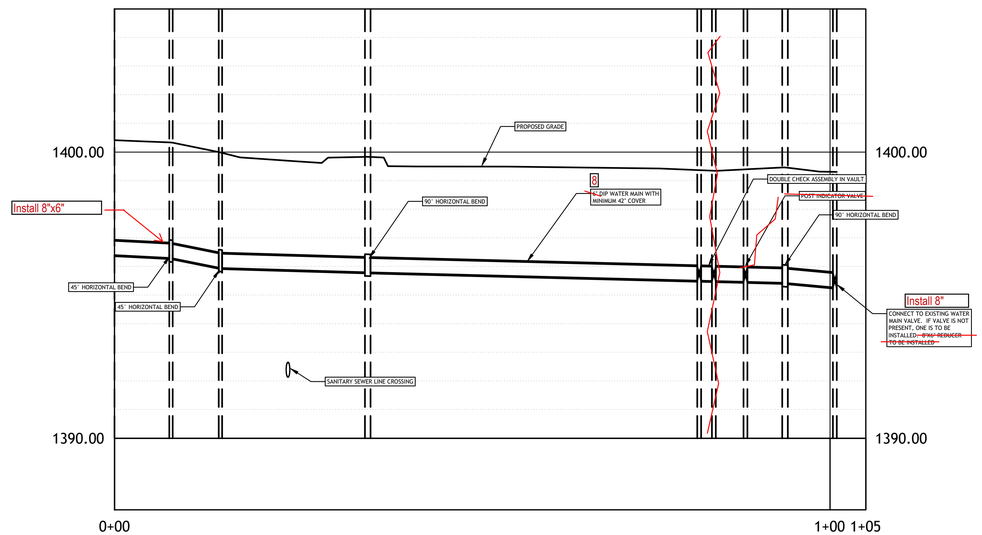


GRAPHIC SCALE

( IN FEET )
1 inch = 10 ft.

## Benchmark

BM#1: *City of Wichita Benchmark on Top of North Curb of Private Drive approx. 10' S. and approx. 24' W. of the SW corner of Lot 4A (Noted on Abbott Land Survey Plat) Elev. = 1373.81'*

BM#2: *City of Wichita Benchmark on Top of North Curb of Private Drive approx. 10' S. and approx. 2' E. of the SE corner of Lot 4A (Noted on Abbott Land Survey Plat) Elev. = 1373.64'*

Know what's **below.** **Call** before you dig.

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# INDOOR STORAGE FACILITY
CAP WEBB
N. Webb Road & E. 21st Street N
Wichita, Kansas

06/26/2019
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Water & Fire Line Plan & Profile

2


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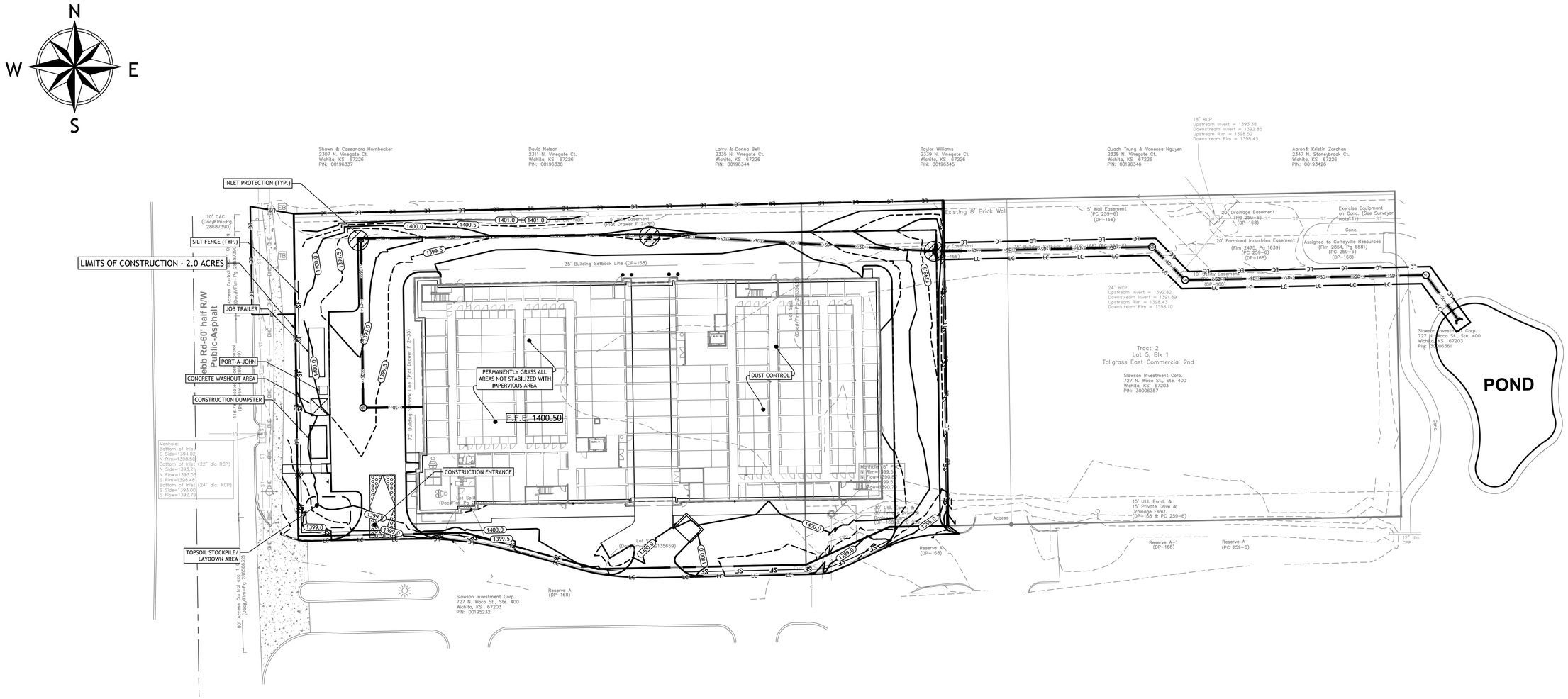


LEGEND

| | |
|---|---|
| | PROPERTY LINE |
| | ADJOINER PROPERTY LINE |
| | EASEMENT LINE |
| SB | STREAM BANK |
| WB | WETLAND BUFFER |
| LC | LIMITS OF CONSTRUCTION/DISTURBANCE |
| 1000 | EXISTING CONTOUR |
| 1000 | PROPOSED CONTOUR |
| W | WATER MANHOLE |
| D | DRAINAGE MANHOLE (EXISTING) |
| D | DRAINAGE MANHOLE (PROPOSED) |
| | CATCH BASIN (EXISTING) |
| | CATCH BASIN (PROPOSED) |
| | HEADWALL (PROPOSED) |
| SD | STORM DRAINAGE PIPE (EXISTING) |
| SD | STORM DRAINAGE PIPE (PROPOSED) |
| ss | SANITARY SEWER LINE (EXISTING) |
| SS | SANITARY SEWER LINE (PROPOSED) |
| S | SANITARY SEWER MANHOLE |
| wtr | WATER LINE |
| gas | GAS LINE |
| ugt | UNDERGROUND TELEPHONE |
| ohe | OVERHEAD ELECTRIC |
| M | WATER METER |
| WV | WATER VALVE |
| | HYDRANT |
| | LIGHT POLE |
| | UTILITY POLE |
| | TRAFFIC SIGNAL POLE |
| | SIGN |
| TPED | TELEPHONE PEDESTAL |
| | TRAFFIC SIGNAL BOX |
| B-# | IRON PIN-REBAR FOUND |

811 Know what's below. Call before you dig.

# EROSION CONTROL LEGEND

| | |
|---|---|
| | CATCH-BASIN |
| SD | STORM DRAINAGE |
| 800 | PROPOSED GRADE LINE |
| | SLOPE MATTING |
| SF | SILT FENCE |
| | INLET PROTECTION |
| LC | LIMITS OF CONSTRUCTION |
| | CONSTRUCTION ENTRANCE |

DISTURBANCE NOTE:
STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED.

SLOPE PROTECTION NOTE:
THE CONTRACTOR SHALL PROVIDE JUTE MATTING OR APPROVED EQUIVALENT ON ALL SLOPES 3:1 OR GREATER.

CONSTRUCTION TRAFFIC NOTE:
CONSTRUCTION TRAFFIC WILL BE USING STONE CONSTRUCTION ENTRANCES AND SHALL INSURE THAT THEY ARE NOT TRACKING SEDIMENT OFF-SITE. CONTRACTOR SHALL MONITOR AND CLEAN THE ROADWAY IF REQUIRED.

MAINTENANCE STATEMENT:
EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION CONTROL AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

DUST CONTROL:
THE CONTRACTOR SHALL USE ALL REASONABLE MEANS (e.g. WATER TRUCK, TARPS, MULCH, GRASSING, ETC.) NECESSARY TO REDUCE DUST DURING DEMOLITION AND CONSTRUCTION.

HAZARDOUS MATERIALS NOTE:

A. THE CONTRACTOR MUST PREVENT OR MINIMIZE THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL IN STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE IN ACCORDANCE WITH THE SWPPP. THE GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES DOES NOT RELIEVE THE CONTRACTOR OF THE FEDERAL REPORTING REQUIREMENTS OF 40 CFR PART 110, 40 CFR PART 117 AND 40 CFR PART 302 RELATING TO SPILLS OR OTHER RELEASES OF OILS OR HAZARDOUS SUBSTANCES.

B. WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE OR OIL IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTABLE QUANTITY ESTABLISHED UNDER EITHER 40 CFR PART 110, 40 CFR PART 117 OR 40 CFR PART 302, OCCURS DURING A 24-HOUR PERIOD:

1. THE CONTRACTOR MUST NOTIFY THE OKLAHOMA DEQ EMERGENCY RESPONSE SECTION AT 1-800-522-0206 AND THE NATIONAL RESPONSE CENTER (NRC) (800) 424-8802 IN ACCORDANCE WITH THE REQUIREMENTS OF 40 CFR PART 110, 40 CFR PART 117 AND 40 CFR PART 302 AS SOON AS SITE STAFF HAVE KNOWLEDGE OF THE DISCHARGE; AND

2. THE CONTRACTOR MUST MODIFY THE SWPPP AS REQUIRED UNDER WITHIN 14 CALENDAR DAYS OF KNOWLEDGE OF THE RELEASE TO: PROVIDE A DESCRIPTION OF THE RELEASE, THE CIRCUMSTANCES LEADING TO THE RELEASE, AND THE DATE OF THE RELEASE. IN ADDITION, THE CONTRACTOR MUST REVIEW THE SWPPP TO IDENTIFY MEASURES TO PREVENT THE REOCCURRENCE OF SUCH RELEASES AND TO RESPOND TO SUCH RELEASES, AND YOU MUST MODIFY THE SWPPP WHERE APPROPRIATE.

GENERAL EROSION CONTROL NOTE:
ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND APPROVED PRIOR ANY EQUIPMENT ENTERING SITE. BMP'S SHALL MAINTAINED PER ALL LOCAL, STATE, AND FEDERAL REGULATIONS AND STATE BMP MANUAL. THE CONTRACTOR SHALL REFERENCE THIS STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR ALL EROSION CONTROL PROCEDURES ON SITE.

GRAPHIC SCALE
30 0 15 30 60 120
( IN FEET )
1 inch = 30 ft.

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Erosion Control/Grading Plan

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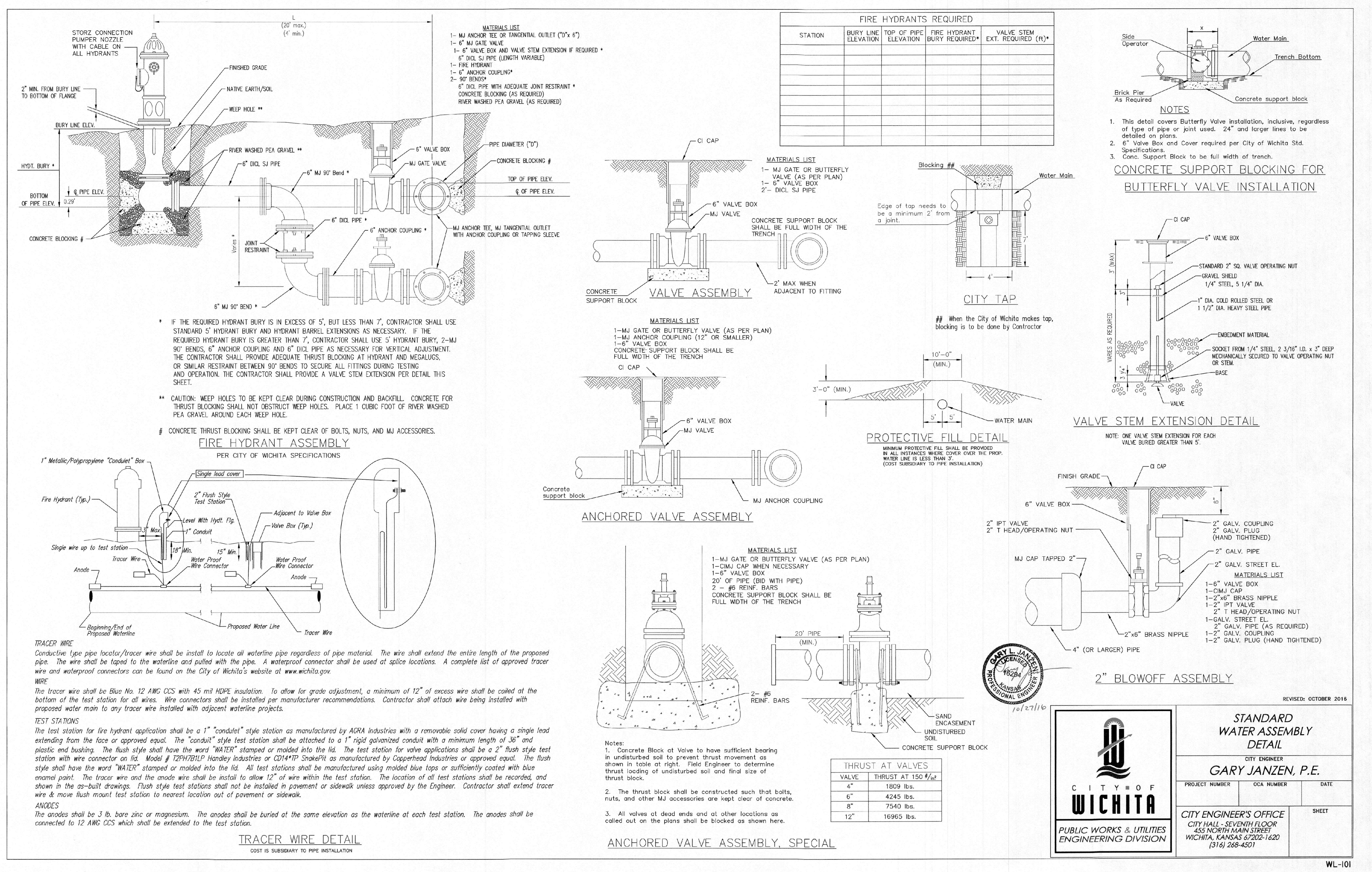


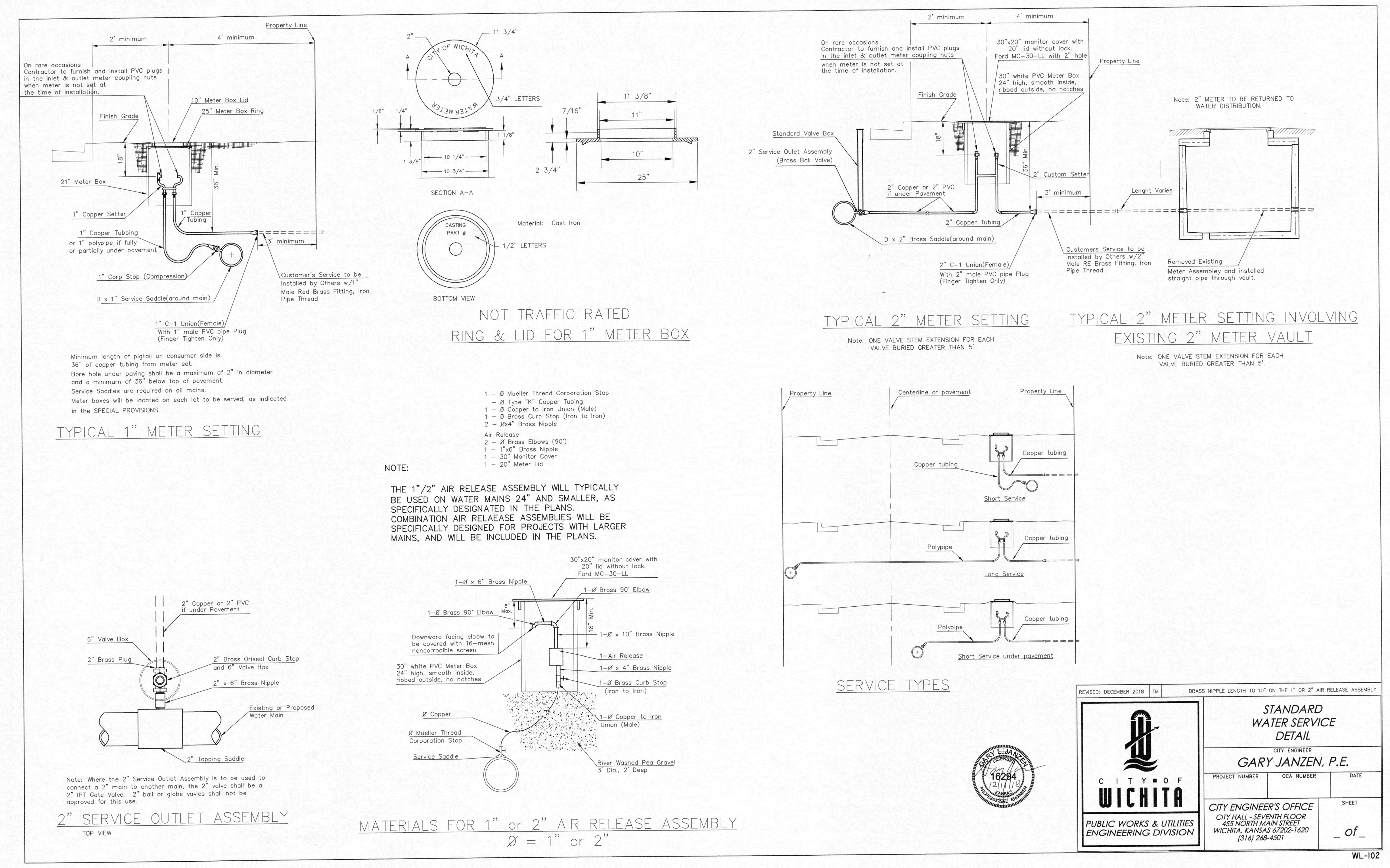


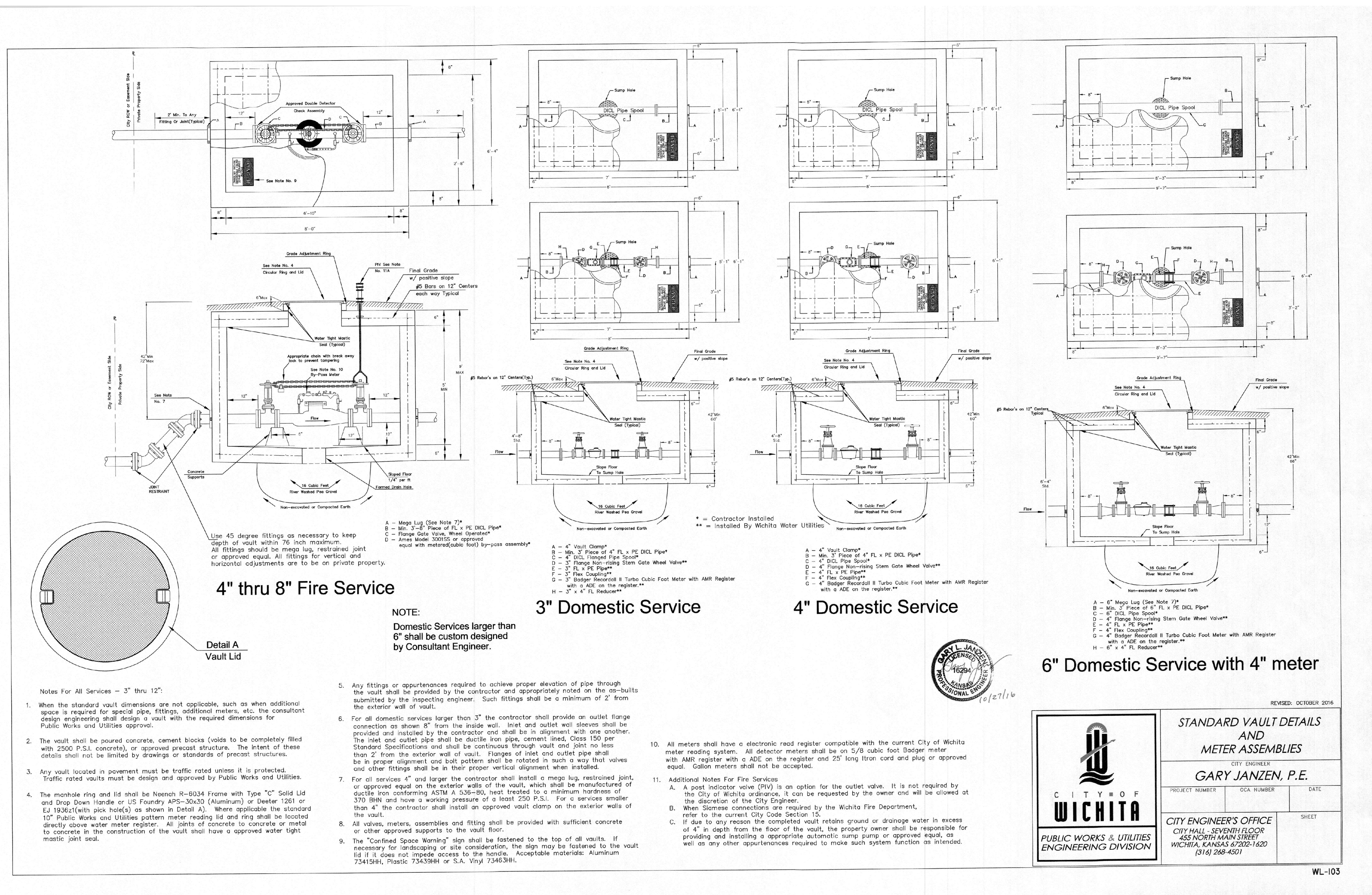


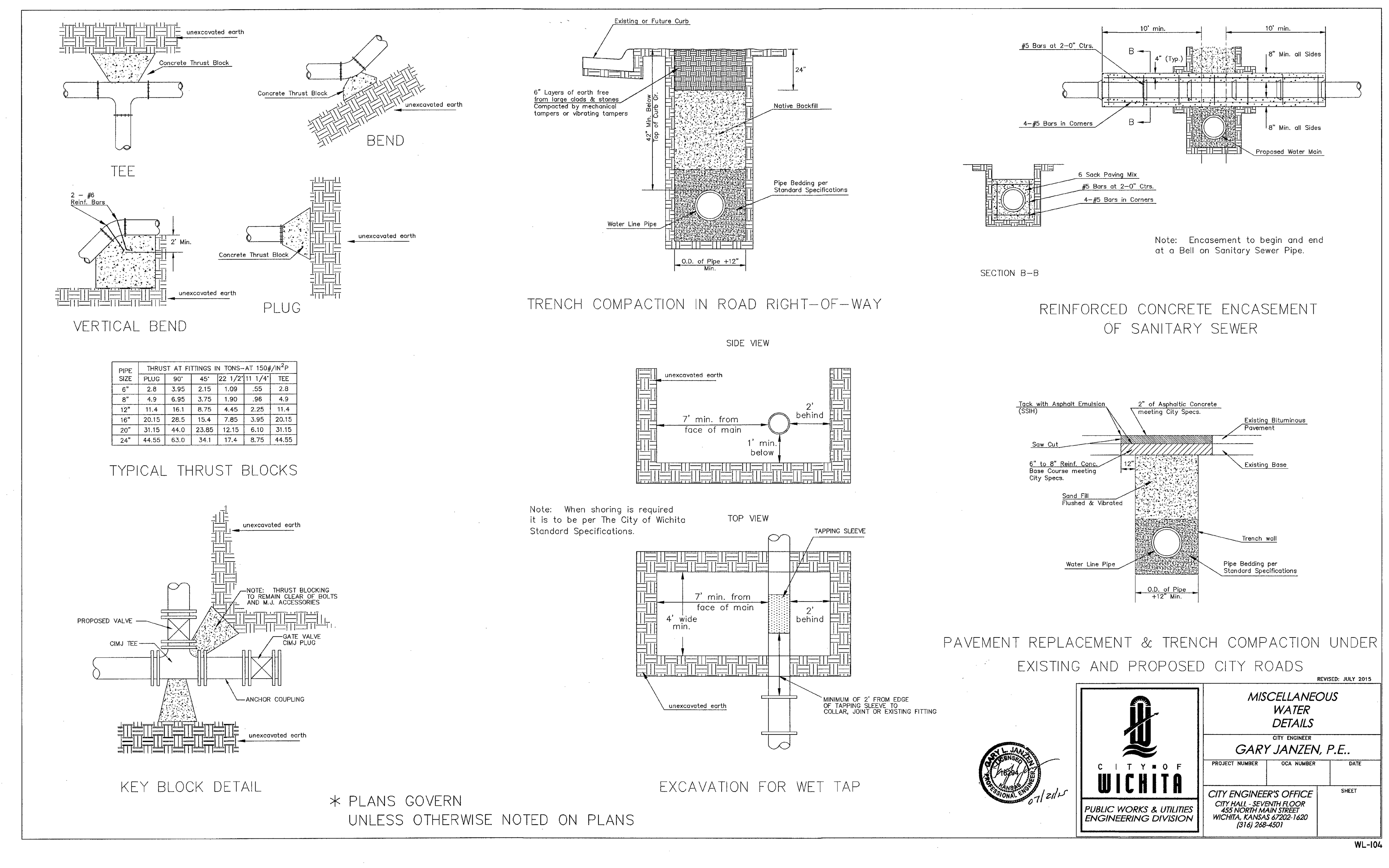


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Details

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