

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 1-800-344-7233
OR 1-316-687-2470

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 1-316-268-4555
CITY OF WICHITA SEWER 1-316-268-4073
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 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 ENGINEERS 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 ADJUTING 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 THE CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.

8. THE WATER DISTRIBUTION DIVISION SHALL FIELD LOCATE WATER VALVES ONE TIME DURING CONSTRUCTION WHEN REQUESTED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTORS 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 FIELD GRADES.

9. THE CONTRACTOR SHALL NOTIFY THE CONSULTANT ENGINEER AND TOM MASON WITH THE CITY OF WICHITA AT 316-268-4574 WITH THE ANTICIPATED CONSTRUCTION START DATE AND NOTIFY THEM OF THE PROJECT COMPLETION. STAKING AND INSPECTION FOR THIS PROJECT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

10. 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 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. OPENING AND CLOSING OF WATER VALVES SHALL BE DONE SLOWLY TO PREVENT DAMAGE TO THE WATER DISTRIBUTIONS SYSTEM FROM WATER HAMMER. ALL VALVES CLOSED BY THE CONTRACTOR MUST BE REOPENED AS NEW CONSTRUCTION PERMITS. THE PROJECT INSPECTOR MUST ASCERTAIN THAT ANY VALVE CLOSED 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.

14. THE CONTRACTOR SHALL LAY A TRACER WIRE AND SET TEST STATIONS ALONG ALL WATER PIPE INSTALLED IN ACCORDANCE WITH THE CITY SPECIFICATIONS AND TRACER WIRE DETAIL ON DETAIL SHEET WL-101. COST IS SUBSIDIARY TO PIPE INSTALLATION.

15. THE CONTRACTOR SHALL PROVIDE MATERIALS FOR TEMPORARY BLOWOFF OF WATERLINES. CONNECTIONS TO THE EXISTING WATERLINE(S) SHALL BE MADE WITH CLEAN, SWABBED PIPE AND FLUSHED UPON COMPLETION OF THE TIE-INS.

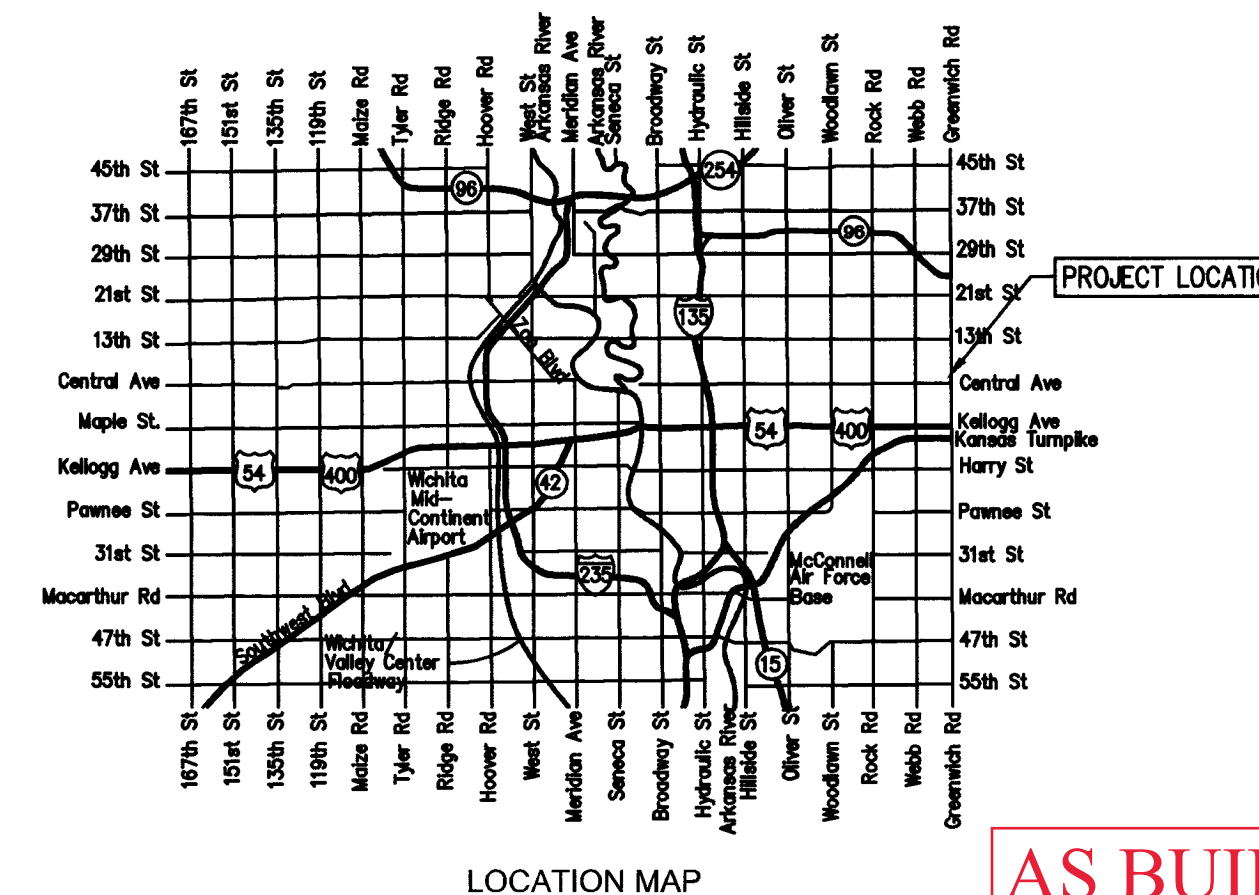
16. REQUESTS FOR SHORT TERM WATER INTERRUPTIONS SHALL BE MADE TO THE CITY WATER DISTRIBUTION DIVISION AND WILL BE SUBJECT TO THEIR APPROVAL. THE CONTRACTOR SHALL GIVE WRITTEN NOTICE TO ANY PROPERTY OWNER, BUSINESS, AND/OR TENANTS THAT WILL HAVE WATER SERVICE INTERRUPTED AT LEAST 5 DAYS IN ADVANCE. SUCH 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 PERFORMED DURING NON-PEAK HOURS.

17. THE CONTRACTOR MUST SCHEDULE THE CONNECTIONS TO THE EXISTING MAIN WITH THE CITY SUCH THAT THERE IS A MINIMUM DISRUPTION OF SERVICES. 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.

18. DEFLECTIONS AT PIPE JOINT OR COUPLINGS SHALL NOT EXCEED THE PIPE MANUFACTURERS RECOMMENDED MAXIMUM. WHERE DEFLECTIONS ARE GREATER THAN THE MAXIMUM ALLOWED, THE CONTRACTOR SHALL UTILIZE CI MJ LONG SLEEVE OR MULTIPLE JOINTS.

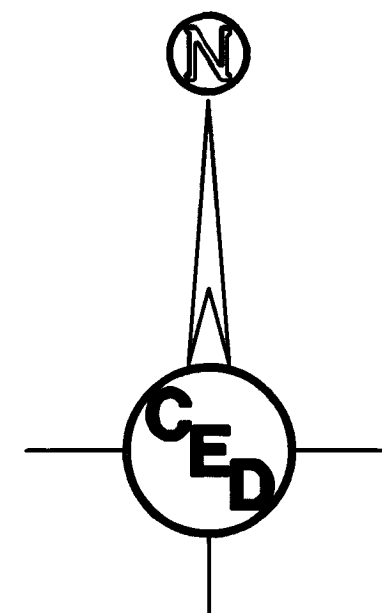
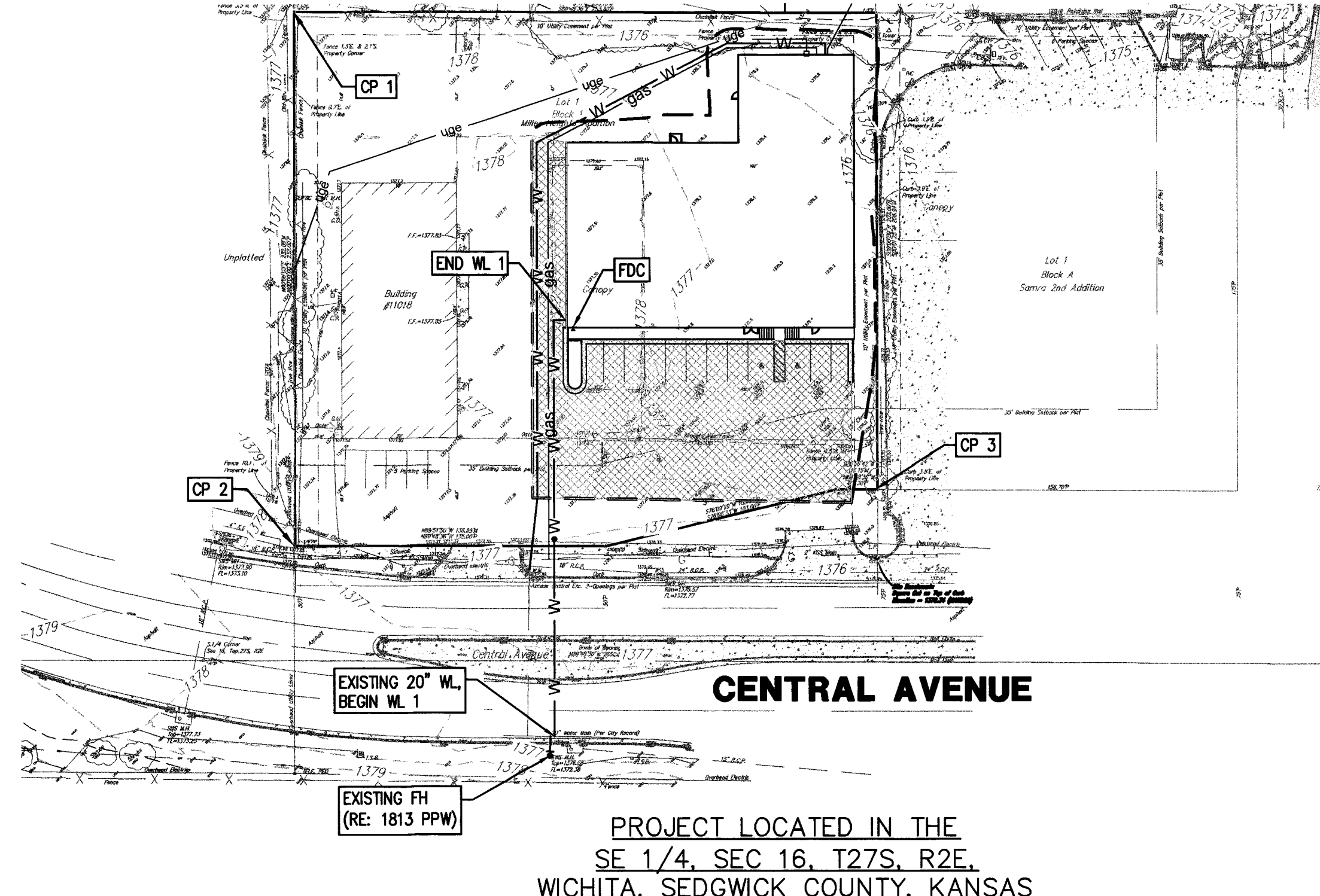
19. ANY EXTENSION GREATER THAN ONE LENGTH OF PIPE SHALL REQUIRE TESTING.

WATER PRIVATE PROJECT PLANS FOR LOT 1, BLOCK 1, MILLER HEIGHTS ADDITION 11018 E. CENTRAL AVENUE WICHITA, SEDGWICK COUNTY, KANSAS 1979 PPW (O.C.A. NO. 607853) GARY JANZEN, P.E., CITY ENGINEER MARCH 2016



**AS BUILT PLANS
CONTRACTOR: CK
CONTRACTING
INSPECTOR: LEVI TURNER
RUGGLES & BOHM**

Sheet List Table	
Sheet Number	Sheet Title
1	COVER SHEET
2	PLAN & PROFILE
3	STANDARD WATER ASSEMBLY DETAILS
4	MISCELLANEOUS WATER DETAILS
5	EROSION CONTROL DETAILS 1
6	EROSION CONTROL DETAILS 2
7	EROSION CONTROL DETAILS 3
8	EROSION CONTROL DETAILS 4
9	EROSION CONTROL DETAILS 5



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

Engineering: *Ruben Wil* 4/4/2016
Utilities: *Dry Dale* 04-05-16
Fire Dept: *WFO* 3/28/16

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.

CONTROL POINTS:

- CP 1 - THE NW COR. OF LOT 1, BLOCK 1, MILLER HEIGHTS ADDITION
N: 20283.5640
E: 19515.1142
- CP 2 - THE SW COR. OF LOT 1, BLOCK 1, MILLER HEIGHTS ADDITION
N: 20051.4853
E: 19514.7055
- CP 3 - THE SE COR. OF LOT 1, BLOCK 1, MILLER HEIGHTS ADDITION
N: 20075.8312
E: 19768.1726

BENCHMARKS:

- BM 1 - SQUARE CUT ON TOP OF CURB 30.0' SOUTH OF THE S.E. CORNER OF LOT 1, BLOCK 1, MILLER HEIGHTS ADDITION
ELEVATION = 1376.34 (NAVD88)

- 20. ANY EXISTING JOINT EXPOSED DURING EXCAVATION SHALL BE REPLACED IF WITHIN FOUR (4) FEET OF PROPOSED JOINT.
- 21. CITY MAINTENANCE OF WATER MAIN ENDS AT RIGHT-OF-WAY OR EASEMENT LINE.
- 22. VALVES 12 INCH AND LARGER ARE TO BE OPERATED BY THE CITY WATER DISTRIBUTION DIVISION, 48 HOURS OF ADVANCED NOTICE IS REQUIRED.
- 23. ALL WET TAPS SHALL BE INSTALLED BY THE CITY OF WICHITA. THE CONTRACTOR WILL REIMBURSE THE CITY FOR TAPPING FEES.
- 24. 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.
- 25. CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH OPENINGS OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.
- 26. ANY SIDEWALK, DRIVE APPROACH, CURB, 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.
- 27. CONTRACTOR IS RESPONSIBLE FOR PROVIDING EROSION CONTROL AS NEEDED REGARDLESS OF WHAT THE CONSTRUCTION PLANS SHOW. EROSION CONTROL BMP DETAILS CAN BE FOUND AT [HTTP://WWW.WICHITA.GOV/GOVERNMENT/DEPARTMENTS/PWU/PAGES/REGULATIONS.ASPX](http://WWW.WICHITA.GOV/GOVERNMENT/DEPARTMENTS/PWU/PAGES/REGULATIONS.ASPX)

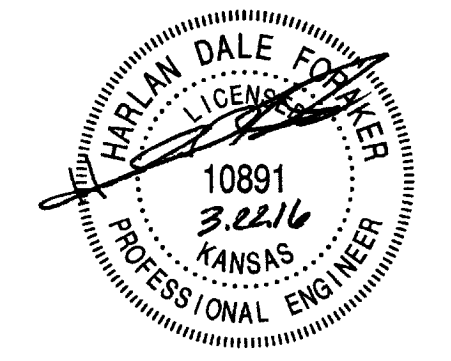
REV.	DESCRIPTION	DATE

**PAPA JOHNS
WAREHOUSE**
11018 E. CENTRAL AVENUE
WICHITA, SEDGWICK COUNTY, KANSAS

CERTIFIED ENGINEERING DESIGN, P.A.
CIVIL ENGINEERING



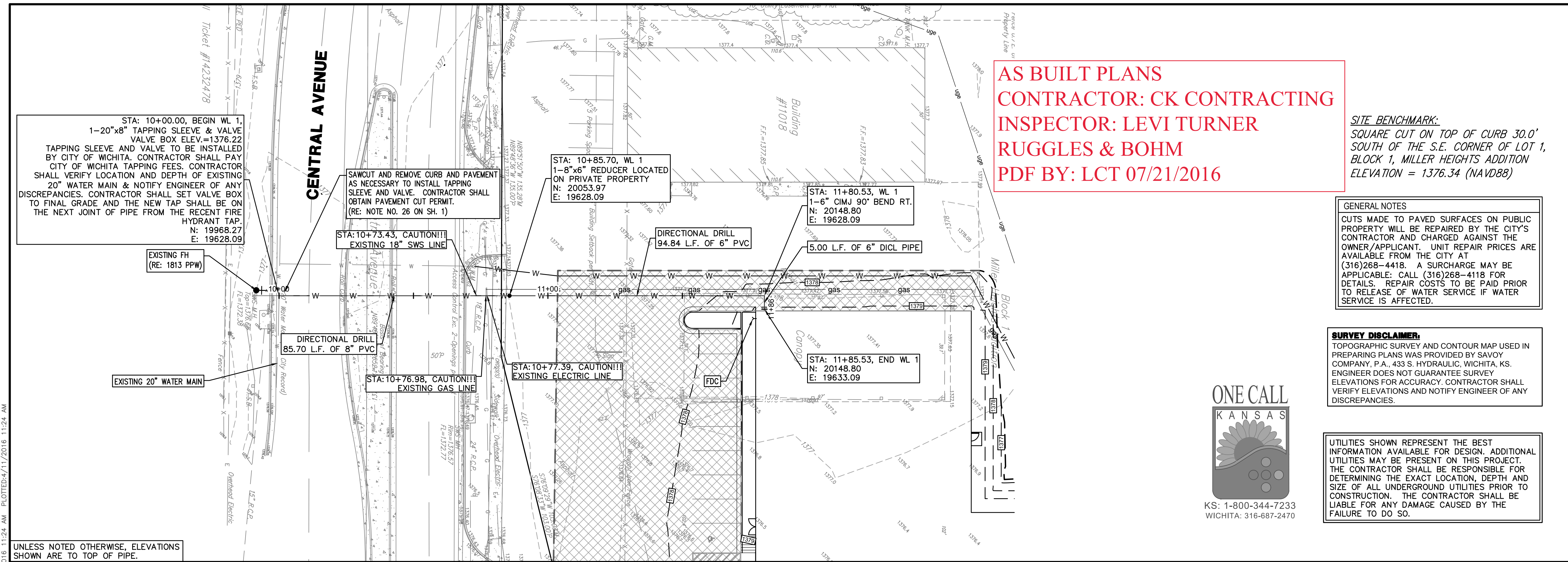
1935 WEST MAPLE
WICHITA, KANSAS 67213
PH.(316)262-8808 FAX.(316)262-1669



PROJECT NO.: 20162304
ISSUE DATE: MARCH 2016
CONTACT: H. FORAKER / L. MILLS
CHECKED BY:

COVER SHEET

FILE LOCATION: S:\Drawing Files\Project_Lin\01-04-11\Papa Johns Warehouse - Fire Line\DWG\PPW.dwg TAB NAME: COVER SHEET USR:ring2 SAVED: 3/22/2016 2:55 PM PLOTTED: 3/22/2016 3:07 PM



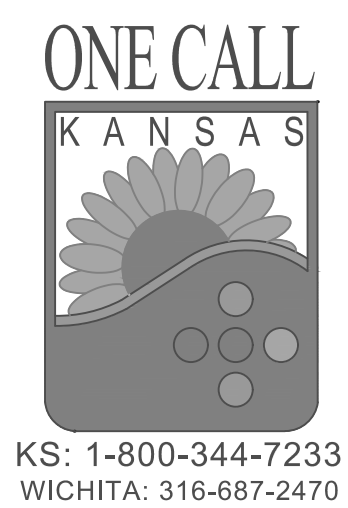
AS BUILT PLANS
CONTRACTOR: CK CONTRACTING
INSPECTOR: LEVI TURNER
RUGGLES & BOHM
PDF BY: LCT 07/21/2016

SITE BENCHMARK:
 SQUARE CUT ON TOP OF CURB 30.0'
 SOUTH OF THE S.E. CORNER OF LOT 1,
 BLOCK 1, MILLER HEIGHTS ADDITION
 ELEVATION = 1376.34 (NAVD88)

GENERAL NOTES
 CUTS MADE TO PAVED SURFACES ON PUBLIC PROPERTY WILL BE REPAIRED BY THE CITY'S CONTRACTOR AND CHARGED AGAINST THE OWNER/APPLICANT. UNIT REPAIR PRICES ARE AVAILABLE FROM THE CITY AT (316)268-4418. A SURCHARGE MAY BE APPLICABLE: CALL (316)268-4118 FOR DETAILS. REPAIR COSTS TO BE PAID PRIOR TO RELEASE OF WATER SERVICE IF WATER SERVICE IS AFFECTED.

SURVEY DISCLAIMER:
 TOPOGRAPHIC SURVEY AND CONTOUR MAP USED IN PREPARING PLANS WAS PROVIDED BY SAVOY COMPANY, P.A., 433 S. HYDRAULIC, WICHITA, KS. ENGINEER DOES NOT GUARANTEE SURVEY ELEVATIONS FOR ACCURACY. CONTRACTOR SHALL VERIFY ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

UTILITIES SHOWN REPRESENT THE BEST INFORMATION AVAILABLE FOR DESIGN. ADDITIONAL UTILITIES MAY BE PRESENT ON THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH AND SIZE OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY THE FAILURE TO DO SO.



STA: 10+00.00, BEGIN WL 1,
 1-20"x8" TAPPING SLEEVE & VALVE
 VALVE BOX ELEV.=1376.22
 TAPPING SLEEVE AND VALVE TO BE INSTALLED
 BY CITY OF WICHITA. CONTRACTOR SHALL PAY
 CITY OF WICHITA TAPPING FEES. CONTRACTOR
 SHALL VERIFY LOCATION AND DEPTH OF EXISTING
 20" WATER MAIN & NOTIFY ENGINEER OF ANY
 DISCREPANCIES. CONTRACTOR SHALL SET VALVE BOX
 TO FINAL GRADE AND THE NEW TAP SHALL BE ON
 THE NEXT JOINT OF PIPE FROM THE RECENT FIRE
 HYDRANT TAP.
 N: 19968.27
 E: 19628.09

SAWCUT AND REMOVE CURB AND PAVEMENT
 AS NECESSARY TO INSTALL TAPPING
 SLEEVE AND VALVE. CONTRACTOR SHALL
 OBTAIN PAVEMENT CUT PERMIT.
 (RE: NOTE NO. 26 ON SH. 1)

STA: 10+85.70, WL 1
 1-8"x6" REDUCER LOCATED
 ON PRIVATE PROPERTY
 N: 20053.97
 E: 19628.09

STA: 11+80.53, WL 1
 1-6" CIMJ 90° BEND RT.
 N: 20148.80
 E: 19628.09

STA: 10+73.43, CAUTION!!!
 EXISTING 18" SWS LINE

DIRECTIONAL DRILL
 94.84 L.F. OF 6" PVC

5.00 L.F. OF 6" DICTL PIPE

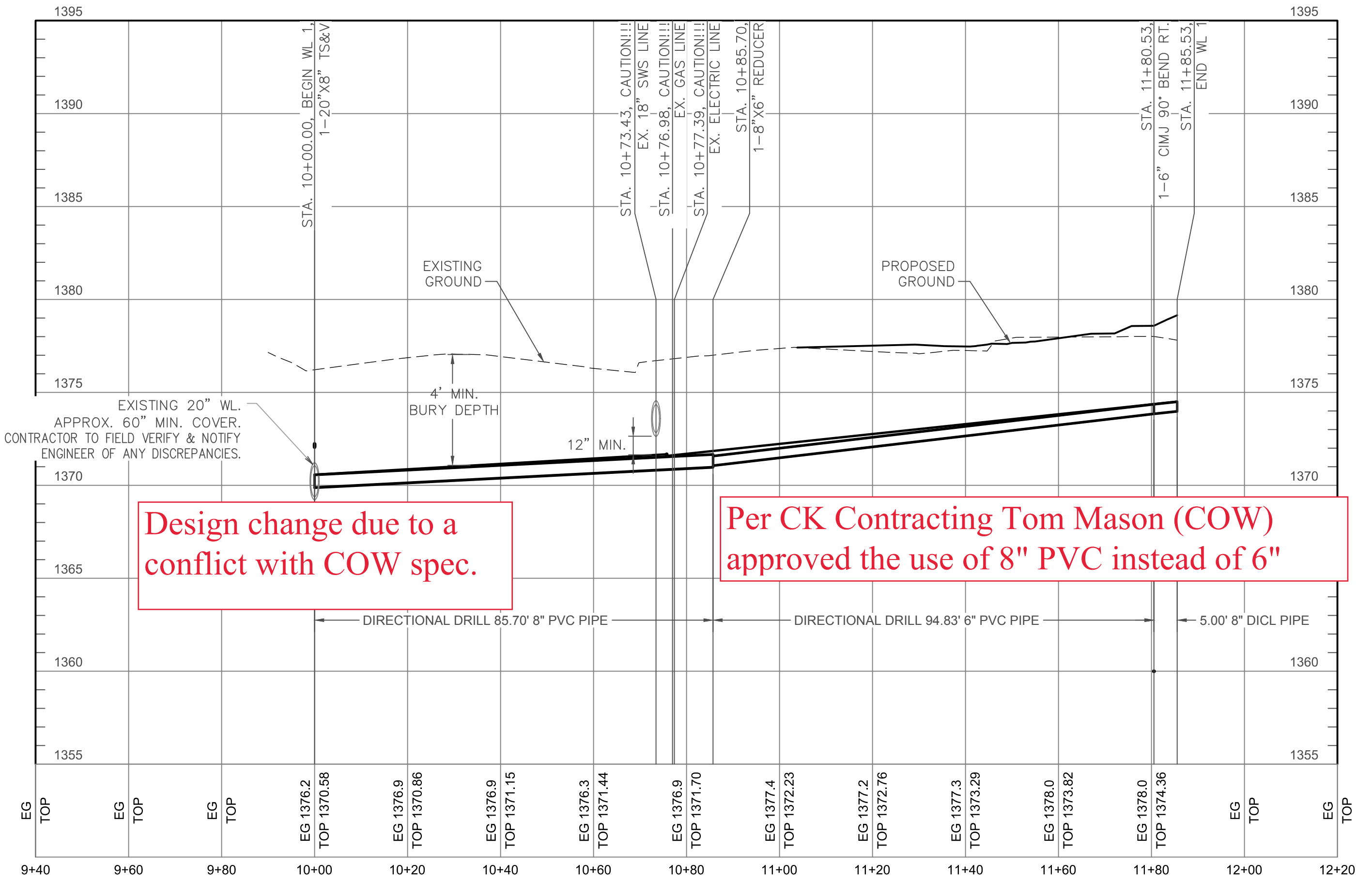
DIRECTIONAL DRILL
 85.70 L.F. OF 8" PVC

STA: 10+76.98, CAUTION!!!
 EXISTING GAS LINE

STA: 10+77.39, CAUTION!!!
 EXISTING ELECTRIC LINE

STA: 11+85.53, END WL 1
 N: 20148.80
 E: 19633.09

UNLESS NOTED OTHERWISE, ELEVATIONS
 SHOWN ARE TO TOP OF PIPE.

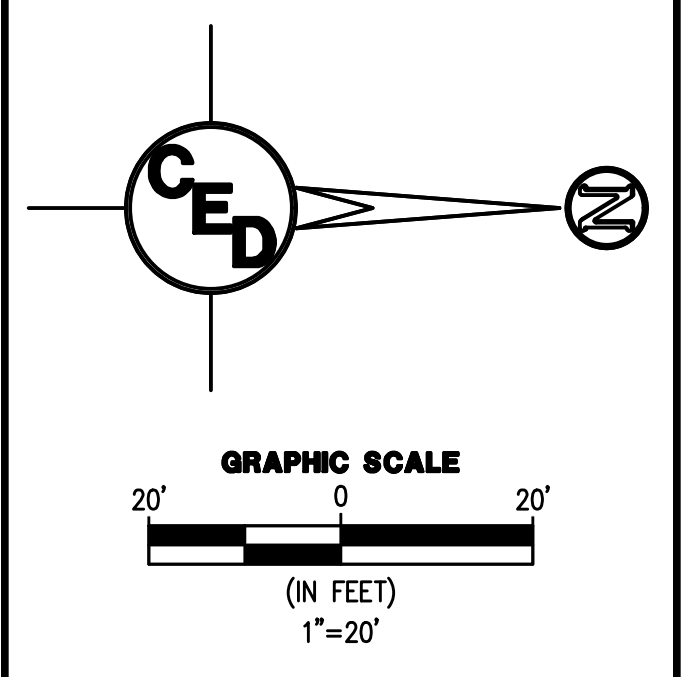


Design change due to a
 conflict with COW spec.

Per CK Contracting Tom Mason (COW)
 approved the use of 8" PVC instead of 6"

FILE LOCATION: S:\Drawing Files\Project LHM 01-04-11\Papa Johns Warehouse - Fire Line\DWG\PPW.dwg TAB NAME: PLAN & PROFILE USER: rmg2 SWED: 4/11/2016 11:24 AM PLOTTED: 4/11/2016 11:24 AM

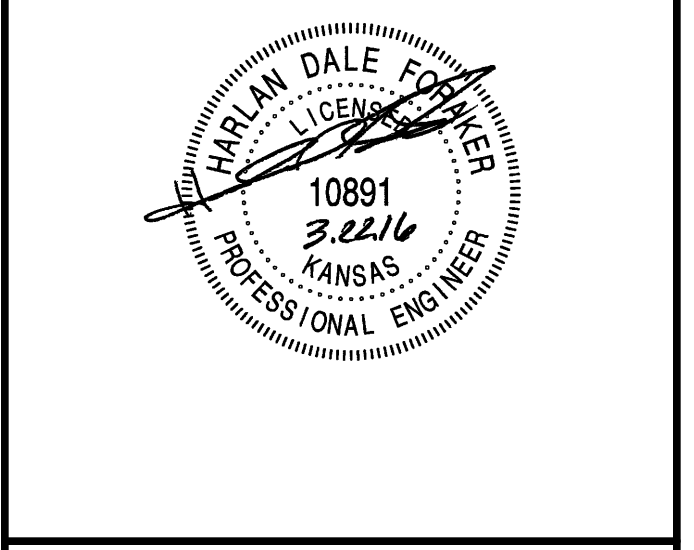
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 CHECKED BY:

PLAN & PROFILE

Fire Service Line Central & Greenwich.
CK Contracting



Address: 11050 E Central

BLDG

90° Bend ⑦

Central

Bore

New WL is .9"
Below Existing
Main.

45° Verts ⑤ ⑥

Existing Water Main

Tap

①

90° T Bend

VBW VBW

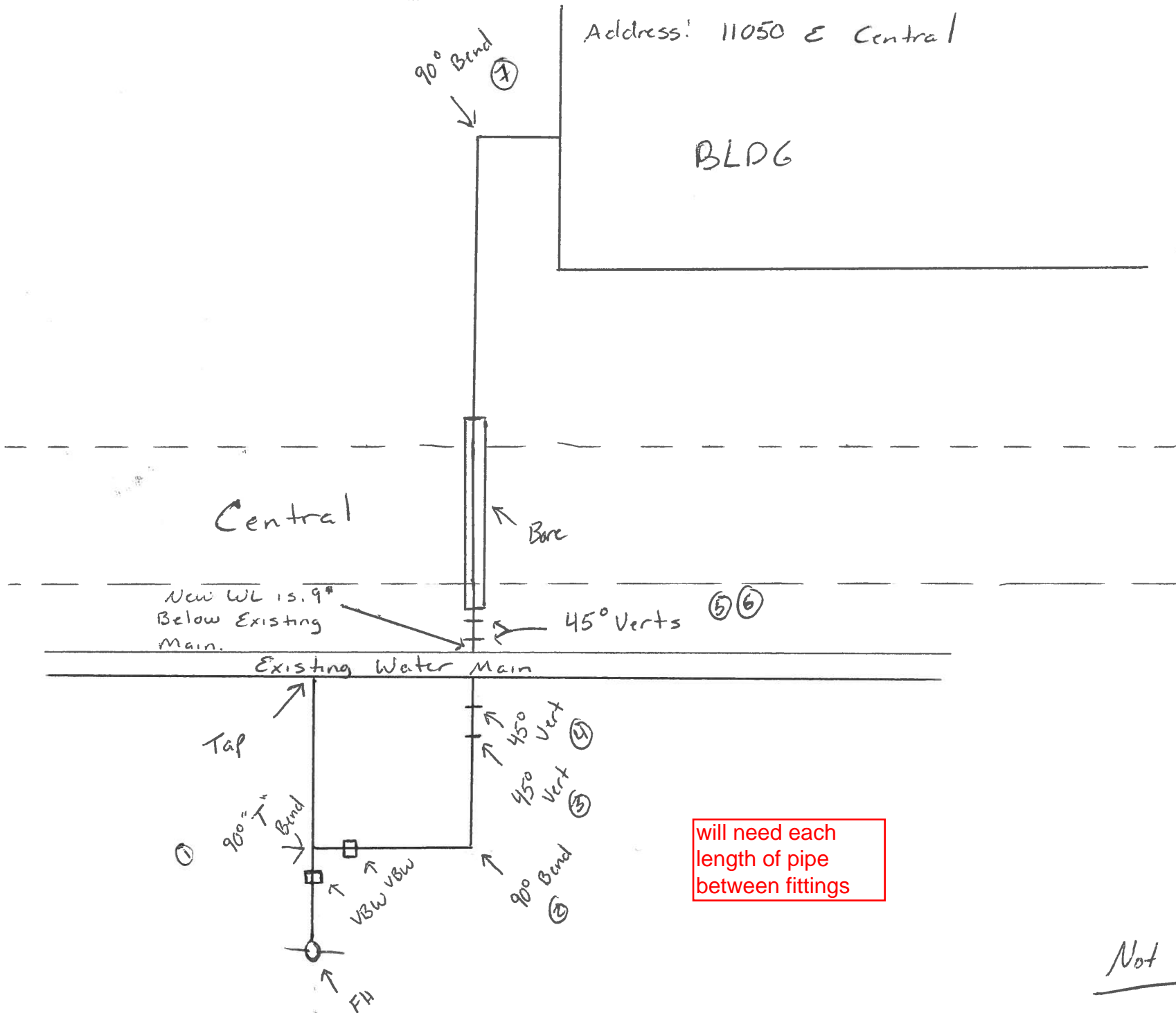
90° Bend ②

45° Vert ③

45° Vert ④

will need each
length of pipe
between fittings

Not to Scale



PIPE LENGTHS

*Between FH & Bend 1 (T Bend)

3 LF

*Between Bend 1 & Bend 2 (90)

3.2 LF

*Between Bend 2 & Bend 3 (45 Vert)

2 LF

*Between Bend 3 & Bend 4 (45 Vert)

1 LF

*Between Bend 4 & Bend 5 (45 Vert)

5 LF

*Between Bend 5 & Bend 6 (45 Vert)

2.83 LF

*Between Bend 6 & Connection to 8" PVC Bore

2.25 LF

All the pipe used above is ductile iron pipe.

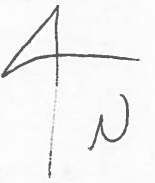
*Total 8" PVC used for bore

173 LF

*Between Bend 7 & Connection to the building

5 LF

FH TIE



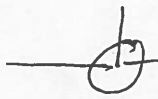
Central

Inlet
← ± 366' W of C
Central & Greenwich

SWS
Inlet



S.
4.6'



FH

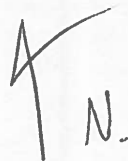


W 7.00'

Not To Scale,

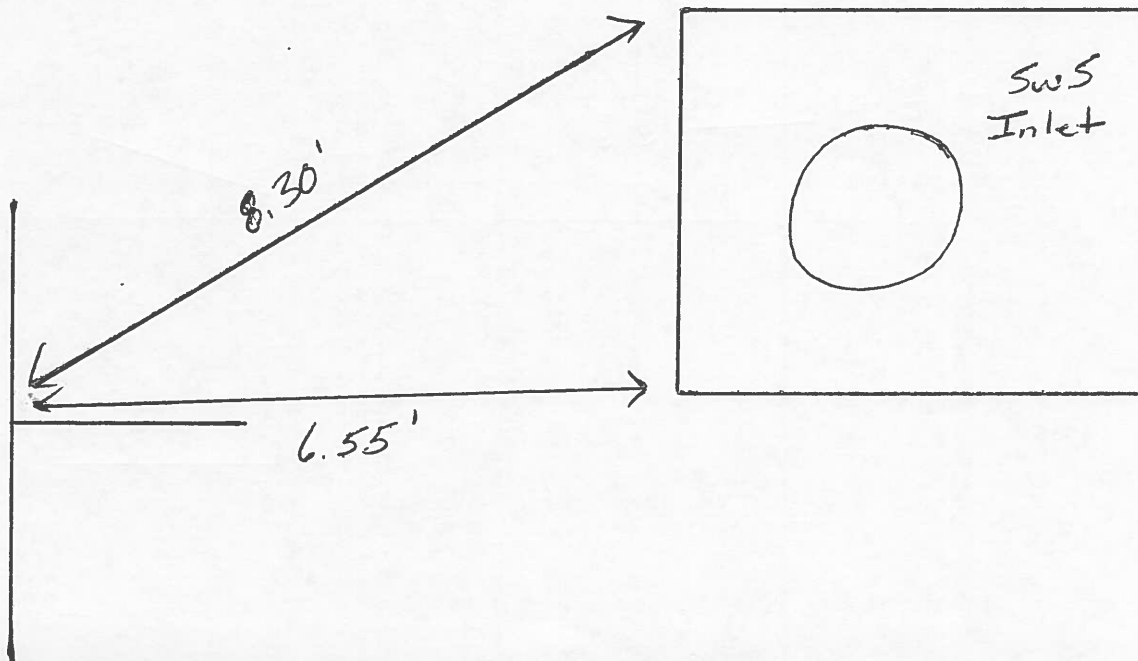
①

90° "T" Bend



Central

Inlet
← ± 366' w. of E
Central & Greenwich



Not to Scale

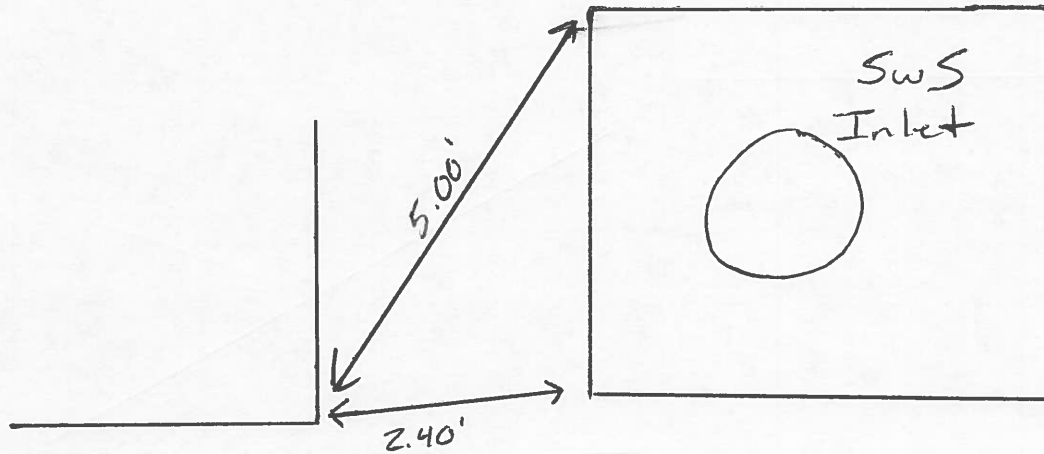
②

90° Bend

4 N.

Central

Inlet \pm 366' W of \ominus
Central & Greenwich



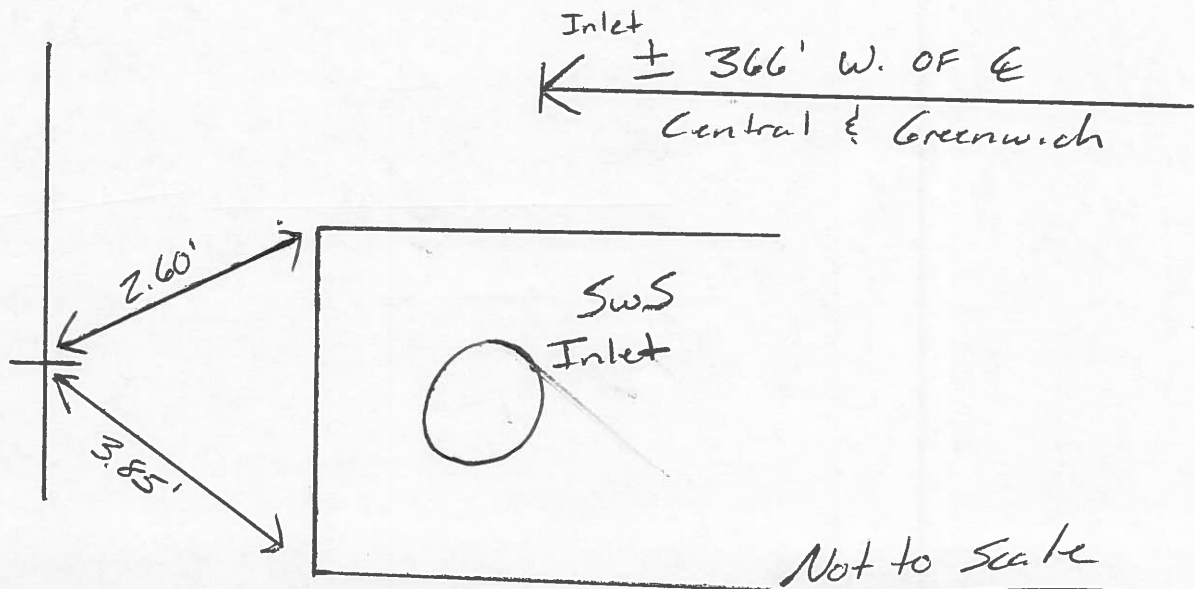
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③

45° Vertical Bend



Central

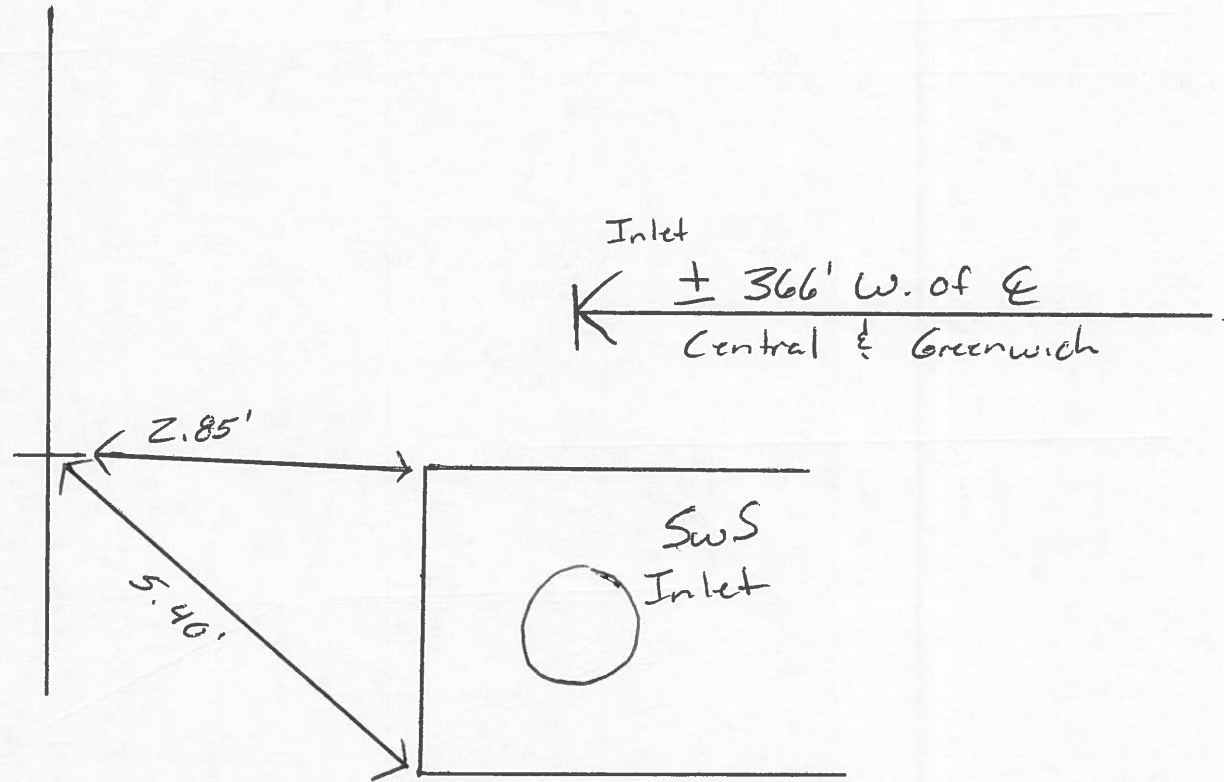


④

45° Vertical Bend

4 N.

Central



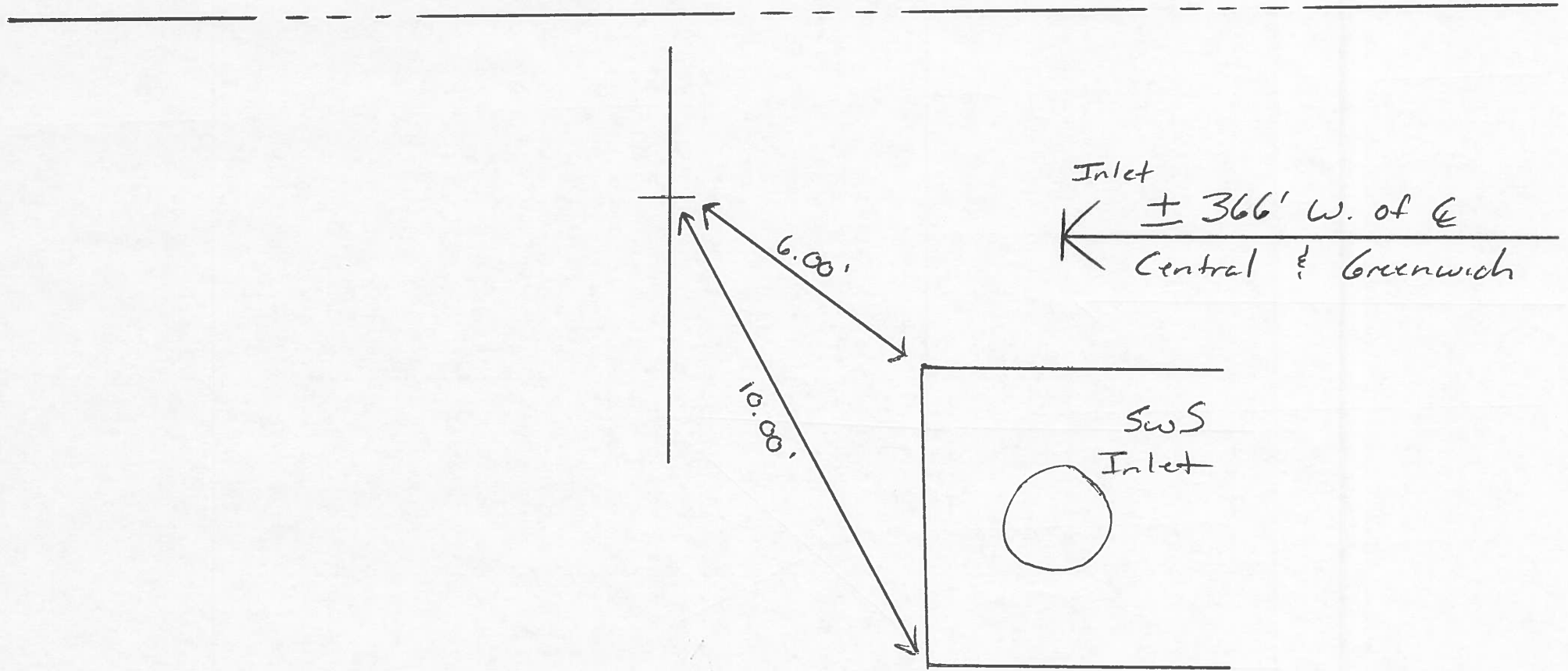
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③

45° Vertical Bend

4 N.

Central



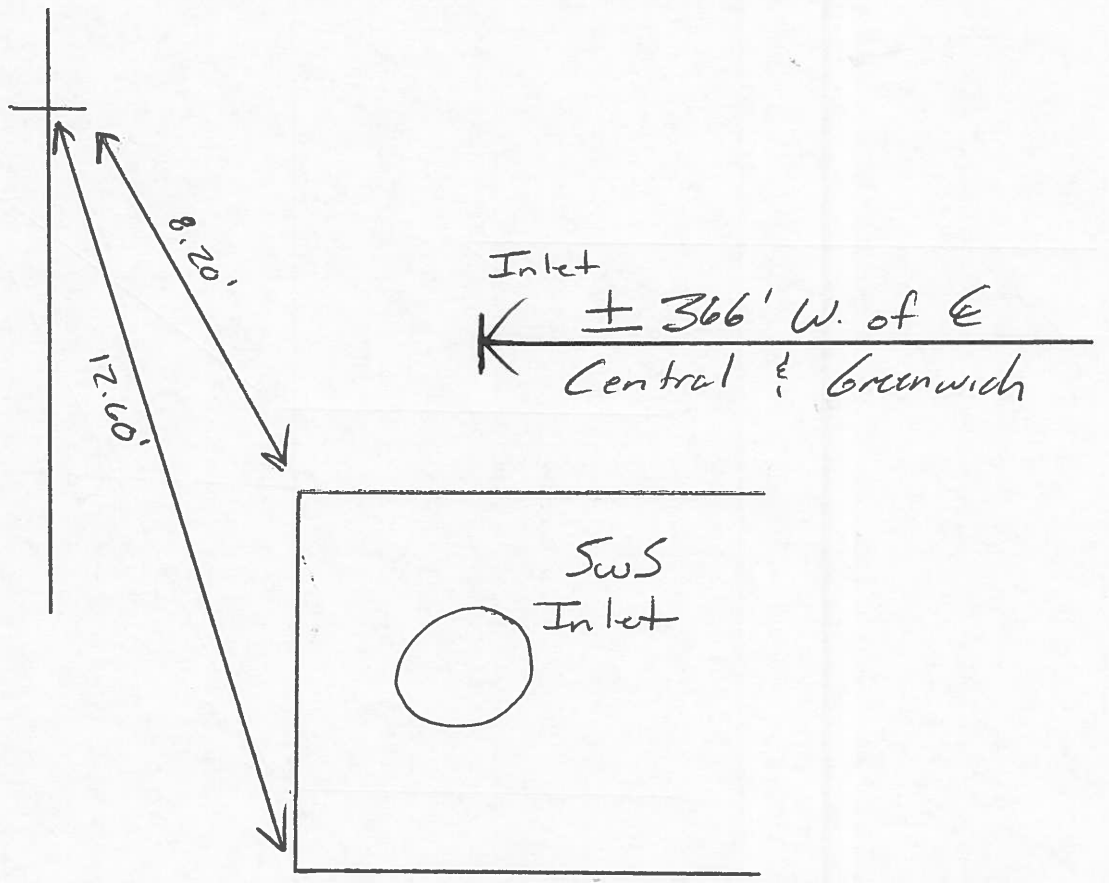
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⑥

45° Vertical Bend

4 N.

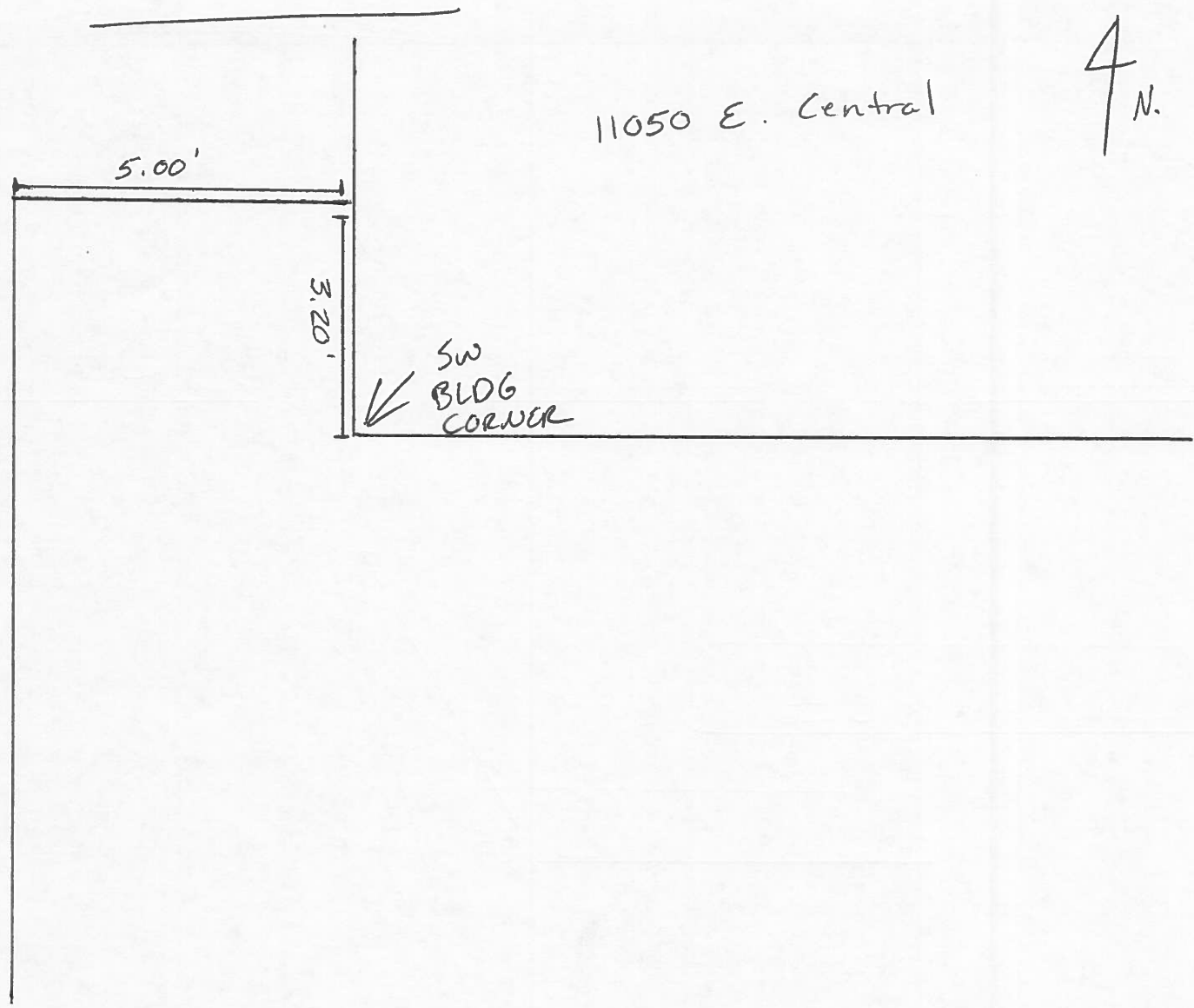
Central



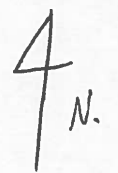
Not to Scale

⑦

90° Bend



11050 E. Central



5.00'

3.20'

SW
BLDG
CORNER

Central

Not to Scale

PIPE LENGTHS

*Between FH & Bend 1 (T Bend)
3 LF

*Between Bend 1 & Bend 2 (90)
3.2 LF

*Between Bend 2 & Bend 3 (45 Vert)
2 LF

*Between Bend 3 & Bend 4 (45 Vert)
1 LF

*Between Bend 4 & Bend 5 (45 Vert)
5 LF

*Between Bend 5 & Bend 6 (45 Vert)
2.83 LF

*Between Bend 6 & Connection to 8" PVC Bore
2.25 LF

All the pipe used above is ductile iron pipe.

*Total 8" PVC used for bore
173 LF

*Between Bend 7 & Connection to the building
5 LF