

WATER DISTRIBUTION SYSTEM IMPROVEMENT

TO SERVE

WICHITA CROSSING PRIVATE PROJECT NO. 1827PPW (607853)

CITY OF WICHITA, KANSAS
GARY JANZEN, P.E. - CITY ENGINEER
SEPTEMBER 03, 2014

AS-BUILT DRAWINGS
Contractor: Mccullough Excavation
Inspector: Dakota Zimmerman
Ruggles & Bohm
PDF By: DGZ 04/06/2015

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA
& BY WICHITA FIRE DEPARTMENT

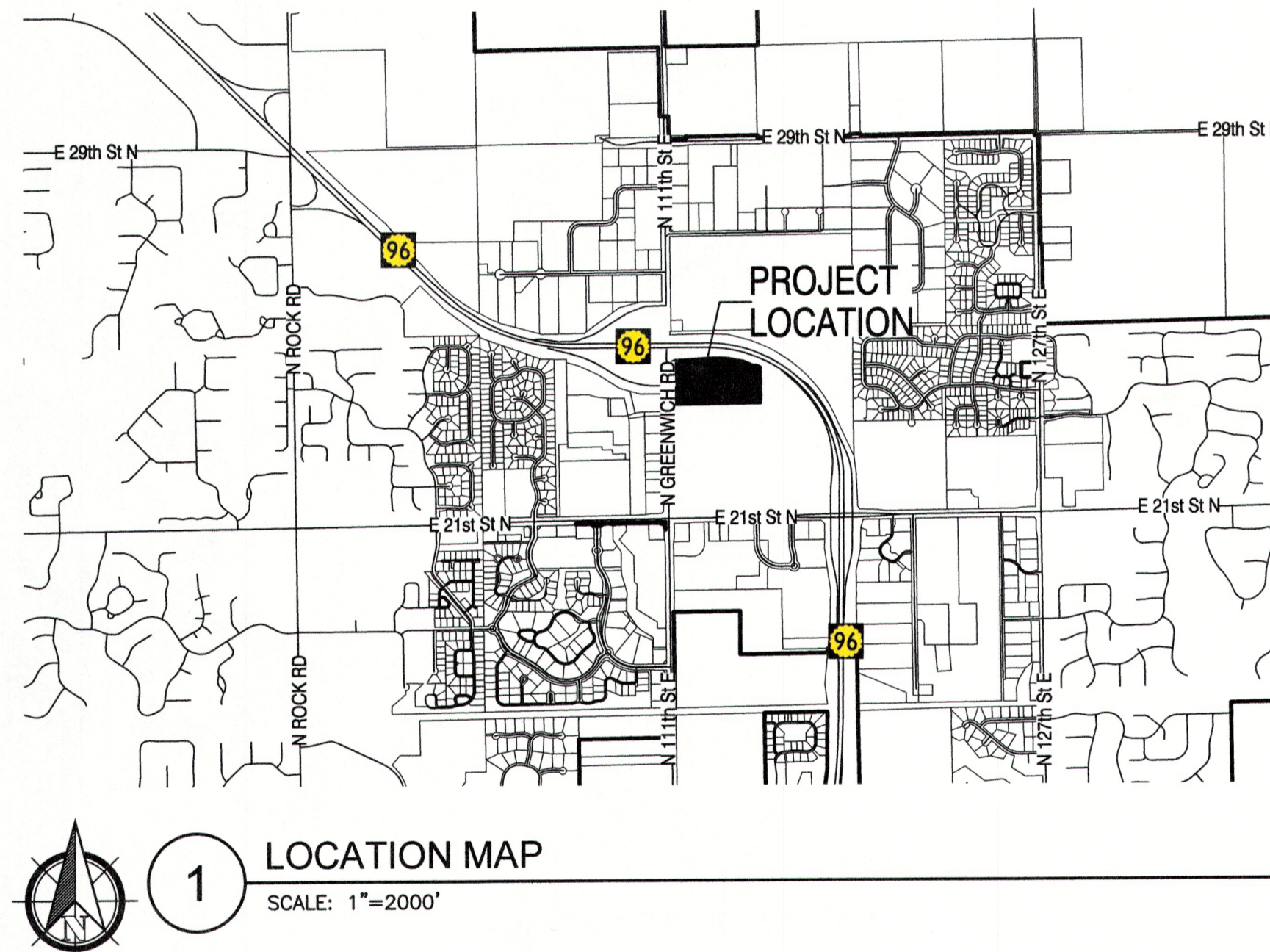
Water Mains (Engineering) *Rebecca Greif* 9/3/14
Water Mains (Water) *Greg Kelly* 9/3-14
Fire Prot. Line *Jim* 9-3-14

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 to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed 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 the City Engineer. All Construction and Materials shall comply with the City of Wichita Specifications and Standards (on file and available in the City Engineer's Office).

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 materials 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 the City of Wichita Fire Department and by a licensed Consulting Engineering Firm under contract with the Owner/Developer. 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.

SITE LOCATION & VICINITY MAP



1 LOCATION MAP
SCALE: 1"=2000'

PROJECT CONTACTS

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INDEX OF DRAWINGS

NO.	SHEET TITLE	ISSUED NUMBER AND DATE									
		5	6	7	8	9	10				
		FOR PERMIT	FOR PERMIT	FOR PERMIT	FOR PERMIT	FOR PERMIT	FOR PERMIT				
		JULY 07, 2014	AUGUST 11, 2014	AUGUST 29, 2014	AUGUST 29, 2014	AUGUST 29, 2014	AUGUST 29, 2014				SEPT. 03, 2014
1	GP-W COVER PAGE	X	X	X	X	X	X				
2	1 OF 1 ALTA/ACSM LAND TITLE SURVEY										
3	1 OF 1 PRELIMINARY PLAT	X	X								
4	1 OF 1 FINAL PLAT		X								
5	C-3.0 GRADING PLAN	X									
6	C-3.0A GRADING PLAN	X									
7	C-5.0 WATER PLAN - OVERALL	X	X	X	X	X					
8	C-5.1 PARTIAL WATER PLAN AND PROFILE	X	X	X	X	X					
9	C-5.2 PARTIAL WATER PLAN AND PROFILE	X	X	X	X	X					
10	C-5.3 PARTIAL WATER PLAN AND PROFILE	X	X	X	X	X					
11	C-5.4 PARTIAL WATER PLAN AND PROFILE	X	X	X	X	X					
12	C-5.5 SERVICE LINES PLANS AND PROFILES	X	X	X	X	X					
13	C-5.6 SERVICE LINES PLANS AND PROFILES	X	X	X	X	X					
14	C-5.5 WATER LINE BLOW-UPS	X	X	X	X	X					
15	C-5.6 WATER LINE BLOW-UPS	X	X	X	X	X					
16	C-5.7 WATER LINE BLOW-UPS	X	X	X	X	X					
17	WW-101 STANDARD WATER ASSEMBLY DETAIL										
18	WW-102 STANDARD WATER SERVICE DETAIL			X							
19	WW-103 STANDARD VAULT DETAILS AND METER ASSEMBLIES										
20	WW-104 MISCELLANEOUS WATER DETAILS			X							

GENERAL NOTES

- CONTRACTOR SHALL WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF SEVENTY-TWO (72) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:
KANSAS ONE-CALL 316-687-2470
THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:
EMERGENCY DISPATCH 911
COX COMMUNICATIONS 800-778-9140
KANSAS GAS SERVICE 888-482-4950
WESTAR ENERGY 800-383-1183
BLACK HILLS ENERGY 800-694-8989
AT&T 800-286-8313
CITY OF WICHITA WATER DEPARTMENT 316-262-6000
CITY OF WICHITA SEWER MAINTENANCE 316-262-6000
- ALL WATER MAINS AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE TO THE CITY OF WICHITA, KANSAS STANDARDS AND SPECIAL PROVISIONS.
- 2" AND SMALLER WATER SERVICES TO BE INSTALLED BY THE WICHITA WATER UTILITY.
- THE WATER UTILITY WILL NEED 21 DAYS NOTICE BEFORE THE ASPHALT OR CONCRETE GOES DOWN TO INSTALL THE WATER SERVICE.
- THE LOCATION OF THE WATER METER BOX WILL NEED STAKED AND APPROVED BY SERVICES SUPERVISOR.
- THE WATER DISTRIBUTION DISPATCH OFFICE PHONE NUMBER FOR THE SERVICE SUPERVISOR IS 316-219-8921.
- THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY DIRECTLY ADJUTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS ADVANCE NOTICE PRIOR TO START OF CONSTRUCTION.
- OPENING AND CLOSING WATER VALVES SHALL BE DONE SLOWLY TO PREVENT DAMAGE TO THE WATER DISTRIBUTION SYSTEM FROM WATER HAMMER. ALL VALVES CLOSED BY THE CONTRACTOR MUST BE REOPENED AS NEW CONSTRUCTION PERMITS. PROJECT INSPECTOR MUST ASCERTAIN THAT ANY VALVE CLOSED BY THE CONTRACTOR IS REOPENED. CONTRACTOR WILL BE PERMITTED TO OPERATE WATER VALVES ONLY WHEN THE PROJECT INSPECTOR ASSIGNED TO THE PROJECT IS PRESENT.
- THE CONTRACTOR SHALL NOT START WORK ON THE PROJECT UNTIL THE PROJECT INSPECTOR IS ASSIGNED TO THE PROJECT AND IS PRESENT ON THE SITE. ANY WORK DONE WITHOUT INSPECTION WILL BE REQUIRED TO BE UNCOVERED FOR INSPECTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL 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. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO SITE RESTORATION.
- THE CONTRACTOR SHALL RESTORE ALL DITCHES, SWALES, ROAD SHOULDERS, ENTRANCES, AND BANKLINES TO THEIR ORIGINAL SLOPES AND GRADES EXCEPT AS SHOWN OTHERWISE.
- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES INCLUDING ANY TREES REMOVED AND TREE TRIMMINGS AND EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OF ON SITES PROVIDED BY THE CONTRACTOR. THESE SITES SHALL ALSO BE APPROVED OF BY THE ENGINEER AS TO SUITABILITY, APPEARANCE, AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, 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 MAY REQUIRE ARCHEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED DISPOSAL LOCATION.
- WHERE IMPROVEMENTS CROSS EXISTING PUBLIC OR PRIVATE UTILITIES WHICH ARE NOT TO BE ADJUSTED BY OTHERS, THE CONTRACTOR SHALL PROVIDE THE MATERIAL AND MEANS TO PROTECT AND SUPPORT SAID UTILITIES DURING CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER.
- CONTRACTOR SHALL PROVIDE MATERIALS AS NECESSARY FOR TEMPORARY BLOWOFF OF WATERLINE FOR CONNECTIONS TO THE EXISTING WATERLINE. WATERLINE SHALL BE CONSTRUCTED WITH CLEAN, SWABBED PIPE AND FLUSHED UPON COMPLETION OF TIE-INS.
- LOCATION OF UTILITIES SHOWN IS APPROXIMATE ONLY. EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY-PROVIDED FIELD LOCATIONS. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.
- ALL SERVICE AND FIRE LINE VAULTS WILL BE LOCATED ON PRIVATE PROPERTY.

SITE DATA

LEGAL DESCRIPTION
A PORTION OF LOT 1 AND RESERVE "A", KENSINGTON GARDENS, SEDGWICK COUNTY, KANSAS DESCRIBED AS FOLLOWS:
BEGINNING AT THE NORTHWEST CORNER OF SAID LOT 1, THENCE SOUTH 89°17'45" WEST (BASIS OF BEARING IS NAD83 GRID KANSAS SOUTH ZONE) ALONG THE SOUTH LINE OF SAID RESERVE "A" A DISTANCE OF 559.77 FEET (560.00 FEET RECORD) TO THE EASTERLY RIGHT-OF-WAY LINE OF GREENWICH ROAD, SAID LINE ALSO BEING THE NORTH LINE OF SAID LOTS 10 AND 11, BLOCK 1, VILLAGE AT GREENWICH ADDITION, WICHITA, SEDGWICK COUNTY, KANSAS; THENCE NORTH 0°43'24" WEST ALONG THE EASTERLY RIGHT-OF-WAY LINE OF GREENWICH ROAD 574.37 FEET (574.73 FEET RECORD) TO THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY; THENCE NORTH 58°27'27" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 114.13 FEET (114.17 FEET RECORD); THENCE NORTH 87°05'55" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 411.65 FEET (411.71 FEET RECORD); THENCE SOUTH 88°11'43" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 255.14 FEET (255.05 FEET RECORD); THENCE SOUTH 79°21'28" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 273.04 FEET (273.06 FEET RECORD); THENCE SOUTH 66°46'54" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 182.71 FEET (182.74 FEET RECORD); THENCE NORTH 23°12'52" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 30.01 FEET (30.00 FEET RECORD); THENCE SOUTH 66°46'02" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 52.59 FEET; THENCE SOUTH 01°00'53" EAST 515.78 FEET TO THE EXTENSION OF THE SOUTH LINE OF SAID RESERVE "A"; THENCE SOUTH 89°17'45" WEST ALONG THE SOUTH LINE OF SAID RESERVE "A" AND THE EXTENSIONS THEREOF 702.02 FEET TO THE POINT OF BEGINNING

BENCHMARKS:
SITE DATUM: CHISELED SQUARE IN TOP OF CURB ON WEST END OF ISLAND 42.2 FEET NORTH AND 4.8 FEET EAST OF THE NORTHWEST CORNER OF LOT 7 AS RECORDED ON THE PLAT OF VILLAGE AT GREENWICH ADDITION A THE REGISTER OF DEES, SEDGWICK COUNTY, KANSAS, ELEVATION = 1366.075 (NAVD 29), ELEVATION = 1367.46 (NAVD88).
SBM-1: CHISELED SQUARE IN THE CENTER OF INLET ON THE EAST SIDE OF NORTH GREENWICH ROAD 12.8 FEET SOUTH AND 14.1 FEET WEST OF THE SOUTHWEST CORNER OF SUBJECT PROPERTY, ELEVATION = 1368.92 (NAVD88).
SBM-2: CHISELED SQUARE IN CENTER OF INLET ON THE EAST SIDE OF NORTH GREENWICH ROAD 63.5 FEET NORTH AND 19.6 FEE WEST OF THE NORTHWEST CORNER OF SUBJECT PROPERTY, ELEVATION = 1367.72 (NAVD88).

ZONING:
CURRENT - SF-5, SINGLE FAMILY RESIDENTIAL DISTRICT
PROPOSED - COMMUNITY UNIT PLAN (CUP) DP-329

PIN: 00446828
AIN: 087 112 030 340 100 200

CITY OF WICHITA CONTACTS

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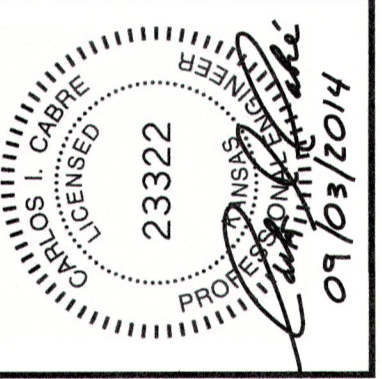
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WICHITA CROSSING
A PORTION OF LOT 1 AND RESERVE "A",
KENSINGTON GARDENS
CITY OF WICHITA, SEDGWICK COUNTY, KANSAS

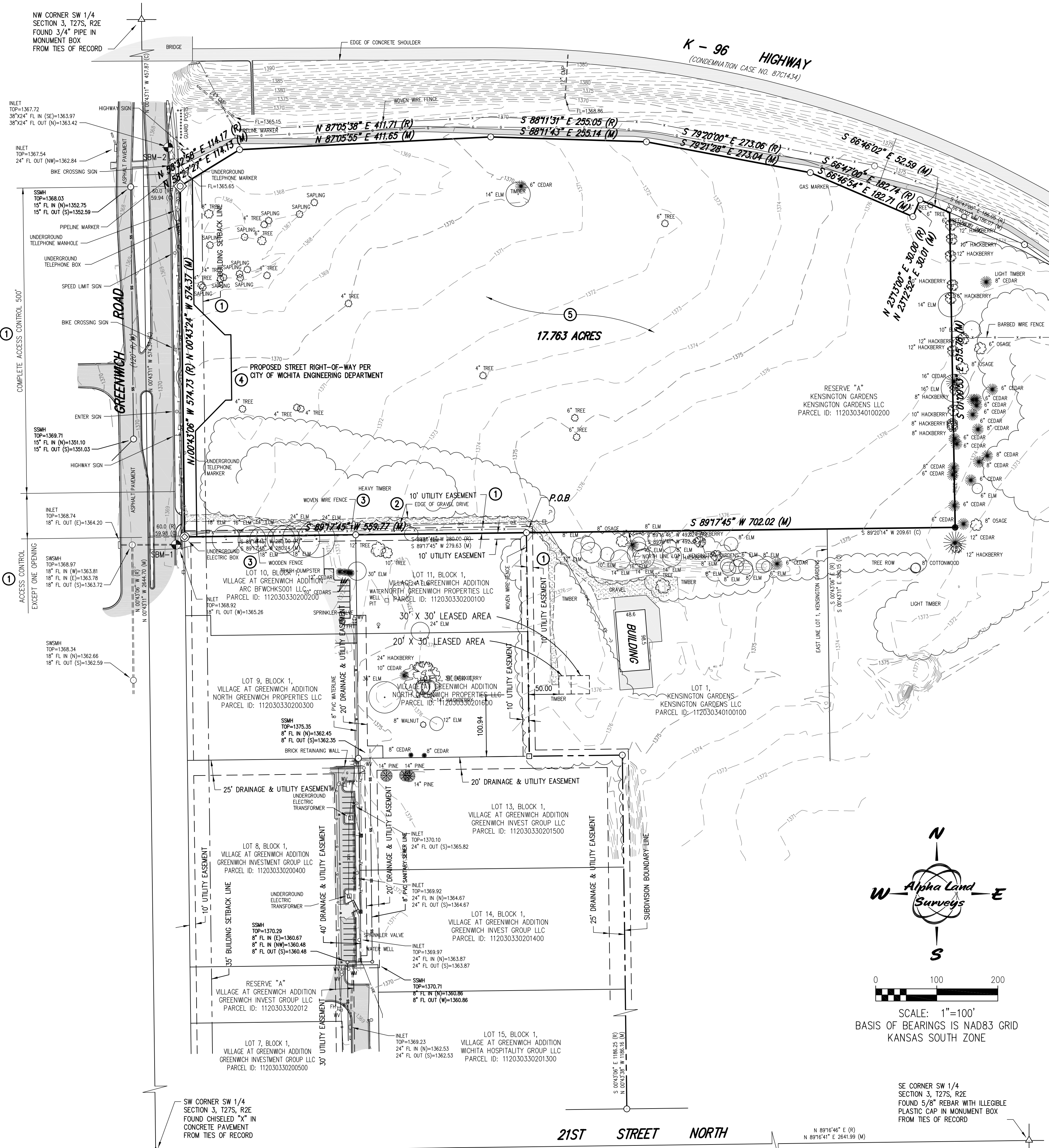


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COVER PAGE
THIS DOCUMENT REPRESENTS THE DESIGN EFFORT OF CARLOS I. CABRE, P.E. AND IS ISSUED AS AN INSTRUMENT OF SERVICE FOR THE SUBJECT PROJECT. CARLOS I. CABRE, P.E. REMAINS THE TITLE AND OWNERSHIP OF THIS PROJECT. THIS DOCUMENT IS NOT TO BE REPRODUCED, COPIED, OR PART OF ANY OTHER PROJECT, WITHOUT THE WRITTEN AUTHORIZATION OF CARLOS I. CABRE, P.E.

ISSUES		
NO.	DATE	DESCRIPTION
4	06.13.2014	FOR PERMIT
5	07.09.2014	FOR PERMIT
6	08.11.2014	FOR PERMIT
7	08.25.2014	FOR PERMIT
8	08.28.2014	FOR PERMIT
9	08.29.2014	FOR PERMIT
10	09.03.2014	FOR PERMIT

DATE: SEPTEMBER 03, 2014
SCALE: AS SHOWN
JOB NUMBER: 12-09
DRAWING NUMBER: CP-W



LEGEND

△ SECTION SUBDIVISION CORNER FOUND	○ GAS METER
○ FOUND WITH PLASTIC CAP	○ MANHOLE
⊕ STAMPED "BAUGHMAN"	○ SANITARY SEWER MANHOLE
⊕ FOUND WITH PLASTIC CAP	○ CLEANOUT
⊕ STAMPED "R&B"	○ STORM WATER SEWER MANHOLE
⊕ FOUND WITH PLASTIC CAP	○ WATER METER
⊕ STAMPED "MKEC"	○ WATER VALVE
○ FOUND 1/2" PIPE UNKNOWN ORIGIN	○ FIRE HYDRANT
○ FOUND 3/4" PIPE UNKNOWN ORIGIN	○ MONITOR WELL
○ SET 1/2" REBAR WITH CAP	○ SPRINKLER HEAD
○ STAMPED "ALPHA CLS-184"	○ GUARD POST
○ POWER POLE	○ OVERHEAD ELECTRIC
○ TELEGRAPH POLE	○ UNDERGROUND ELECTRIC
○ LIGHT POLE	○ UNDERGROUND TELEPHONE
○ GUY ANCHOR	○ GAS LINE
○ UNDERGROUND ELECTRIC BOX	○ UNDERGROUND TELEVISION CABLE
○ UNDERGROUND TELEPHONE PEDESTAL	○ SANITARY SEWER LINE
○ UNDERGROUND CABLE TELEVISION PEDESTAL	○ WATER LINE
○ TREE / SHRUB	○ FENCE

N. NORTH
S. SOUTH
E. EAST
W. WEST
DEGREES
FEET OR MINUTES
INCHES OR SECONDS
SQ. SQUARE
FT. FEET
VOL. VOLUME
PG. PAGE
O.R. OFFICIAL RECORD
C. CALCULATED
R. RECORD

M. MEASURED
R/W RIGHT OF WAY
C/L CENTERLINE
RCP REINFORCED CONCRETE PIPE
CMP CORRUGATED METAL PIPE
CMPHE CORRUGATED METAL PIPE HORIZONTAL ELLIPTICAL
TC TOP OF CURB
FL FLOWLINE
FP TOP OF PAVEMENT
EL ELEVATION
TOW TOP OF WALL
HC HANDICAP
POB POINT OF BEGINNING

SCHEDULE B SECTION TWO EXCEPTIONS

EXCEPTIONS ACCORDING TO FIRST AMERICAN TITLE INSURANCE COMPANY COMMITMENT NO. 2082746 REVISION E DATED MARCH 4, 2014.

ITEMS 1 THRU 8 NOT SURVEY RELATED, THEREFORE NOT NOTED.

- THE FOLLOWING MATTERS SHOWN OR DISCLOSED BY THE FILED OR RECORDED MAP OF KENSINGTON GARDENS, SEDGWICK COUNTY, KANSAS REFERRED TO IN THE LEGAL DESCRIPTION AND FILED WITH THE SEDGWICK COUNTY COUNTY CLERK AS PLAT NO PCT4-B-BUILDING SETBACK LINES, EASEMENTS, ACCESS CONTROLS AND MINIMUM PAD ELEVATION.
- DELETED.
- DELETED.
- DELETED.
- SUBJECT PROPERTY MAY BECOME SUBJECT TO SPECIAL ASSESSMENTS FOR VARIOUS CAPITAL IMPROVEMENTS AS EVIDENCED BY NUMEROUS GOVERNMENTAL FININGS OF NOTICE IN THE FORM OF RESOLUTION NO. 05-216 FILED DOC/FILM-PG: 28672684 AND REFLED AS DOC/FILM-PG: 28800801. (NOT SURVEY RELATED. UNABLE TO PLOT)
- DELETED.
- THE TERMS AND PROVISIONS CONTAINED IN THE DOCUMENT ENTITLED "DEVELOPMENT AGREEMENT" FILED AS DOC/FILM-PG: 29424599. (NOT SURVEY RELATED. UNABLE TO PLOT)
- THE TERMS AND PROVISIONS CONTAINED IN THE DOCUMENT ENTITLED "AN ORDINANCE OF THE CITY OF WICHITA ESTABLISHING THE K-96 STAR BOND COMMUNITY IMPROVEMENT DISTRICT" FILED AS DOC/FILM-PG: 29427884. (NOT SURVEY RELATED. UNABLE TO PLOT)
- THE FOLLOWING MATTERS DISCLOSED BY A SURVEY MADE BY ALPHA LAND SURVEYORS ON AUGUST 18, 2013, LAST UPDATED MARCH _____, 2014, DESIGNATED JOB NO. 130200P:
 - RIGHTS OF OTHERS TO THE GRAVEL DRIVE ALONG THE SOUTHERLY BORDER OF SUBJECT PROPERTY FOR INGRESS, EGRESS, UTILITIES AND OTHER PURPOSES.
 - ENCROACHMENT OF WOVEN WIRE AND WOODEN FENCE ALONG THE SOUTH LINE OF SUBJECT PROPERTY, RIGHTS, IF ANY, OF THE OWNERS ADJACENT TO THE SOUTH OF SUBJECT PROPERTY TO THAT PORTION OF SUBJECT PROPERTY LYING SOUTH OF SAID WOVEN WIRE AND WOODEN FENCE.
- THE TERMS AND PROVISIONS CONTAINED IN THE DOCUMENT ENTITLED "MUTUAL ACCESS EASEMENT AGREEMENT" FILED AS DOC/FILM-PG: _____
- THE TERMS AND PROVISIONS CONTAINED IN THE DOCUMENT ENTITLED "MUTUAL ACCESS EASEMENT AGREEMENT" FILED AS DOC/FILM-PG: _____

SURVEYOR'S NOTES

- ACCORDING TO THE RECORDED PLAT OF KENSINGTON GARDENS LOT 1 AND RESERVE "A" HAVE A MINIMUM PAD FOR LOWEST OPENING OF 1367.1 M.S.L. 179.7 CITY DATUM AND A CONVERTED ELEVATION OF 1367.59 (NAV088).
- AS RECORDED ON FILM 1896, PAGE 224 LOT 1 HAS A MINIMUM PAD (OPENING) ELEVATION FOR THE MAINTENANCE BUILDING OF 1377.4 M.S.L. 190.0 CITY DATUM AND A CONVERTED ELEVATION OF 1377.89 (NAV088).
- AS RECORDED ON FILM 1896, PAGE 225 LOT 1 HAS A MINIMUM PAD (OPENING) ELEVATION FOR THE OFFICE BUILDING OF 1367.7 M.S.L. 180.3 CITY DATUM AND A CONVERTED ELEVATION OF 1368.19 (NAV088).
- NO EVIDENCE OF ANY EARTH MOVING, BUILDING CONSTRUCTION OR BUILDING ADDITIONS ON THE SUBJECT PROPERTY.
- PROPOSED STREET RIGHT-OF-WAY AS SHOWN HEREON.
- NO EVIDENCE OF A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL ON THE SUBJECT PROPERTY.
- THERE ARE NO WETLAND AREAS ON THE SUBJECT PROPERTY.

TITLE DESCRIPTION

EXCEPTIONS ACCORDING TO FIRST AMERICAN TITLE INSURANCE COMPANY COMMITMENT NO. 2082746 REVISION E DATED MARCH 4, 2014.

PARCEL 1:
A PORTION OF RESERVE "A", KENSINGTON GARDENS, SEDGWICK COUNTY, KANSAS DESCRIBED AS FOLLOWS:
BEGINNING AT THE NORTHWEST CORNER OF LOT 1 OF SAID KENSINGTON GARDENS; THENCE SOUTH 89°17'45" WEST (BASIS OF BEARING IS NAD83 GRID KANSAS SOUTH ZONE) ALONG THE SOUTH LINE OF SAID RESERVE "A" A DISTANCE OF 559.77 FEET (560.00 FEET RECORD) TO THE EASTERLY RIGHT-OF-WAY LINE OF GREENWICH ROAD, SAID LINE ALSO BEING THE NORTH LINE OF SAID LOTS 10 AND 11, BLOCK 1, VILLAGE AT GREENWICH ADDITION, WICHITA, SEDGWICK COUNTY, KANSAS; THENCE NORTH 0°43'24" WEST ALONG THE EASTERLY RIGHT-OF-WAY LINE OF GREENWICH ROAD 574.37 FEET (574.73 FEET RECORD) TO THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY; THENCE NORTH 58°27'27" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 114.13 FEET (114.17 FEET RECORD); THENCE NORTH 87°05'55" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 411.65 FEET (411.71 FEET RECORD); THENCE SOUTH 88°14'43" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 255.14 FEET (255.05 FEET RECORD); THENCE SOUTH 79°21'26" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 182.71 FEET (182.74 FEET RECORD); THENCE SOUTH 66°46'54" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 30.01 FEET (30.00 FEET RECORD); THENCE SOUTH 66°46'02" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 52.59 FEET; THENCE SOUTH 01°00'53" EAST 515.78 FEET TO THE EXTENSION OF THE SOUTH LINE OF SAID RESERVE "A"; THENCE SOUTH 89°17'45" WEST ALONG THE SOUTH LINE OF SAID RESERVE "A" AND THE EXTENSIONS THEREOF 702.02 FEET TO THE POINT OF BEGINNING.

PARCEL 2:
A NON-EXCLUSIVE EASEMENT FOR THE BENEFIT OF PARCEL 1 AS CREATED BY THE "MUTUAL ACCESS EASEMENT AGREEMENT" FILED ON DOC/FILM-PG: _____ FOR INGRESS AND EGRESS OVER AND ACROSS THE FOLLOWING PROPERTY DESCRIBED THEREIN.

PARCEL 3:
A NON-EXCLUSIVE EASEMENT FOR THE BENEFIT OF PARCEL 1 AS CREATED BY THE "MUTUAL ACCESS EASEMENT AGREEMENT" FILED ON DOC/FILM-PG: _____ FOR INGRESS AND EGRESS OVER AND ACROSS THE FOLLOWING PROPERTY DESCRIBED THEREIN.

BENCH MARKS

SITE DATUM: CHISELED SQUARE IN TOP OF INLET ON TOP OF CURB ON WEST END OF ISLAND 42.2 FEET NORTH AND 4.8 FEET EAST OF THE NORTHWEST CORNER OF LOT 7 AS RECORDED ON THE PLAT OF VILLAGE AT GREENWICH ADDITION AT THE REGISTER OF DEEDS, SEDGWICK COUNTY, KANSAS.
ELEVATION=1366.975(NAV029)
ELEVATION=1367.46(NAV088)

SBM-1: CHISELED SQUARE IN CENTER OF INLET ON THE EAST SIDE OF NORTH GREENWICH ROAD 12.8 FEET SOUTH AND 14.1 FEET WEST OF THE SOUTHWEST CORNER OF SUBJECT PROPERTY.
ELEVATION=1368.92(NAV088)

SBM-2: CHISELED SQUARE IN CENTER OF INLET ON THE EAST SIDE OF NORTH GREENWICH ROAD 63.5 FEET NORTH AND 19.6 FEET WEST OF THE NORTHWEST CORNER OF SUBJECT PROPERTY.
ELEVATION=1367.72(NAV088)

POSSIBLE ENCROACHMENTS

- ALONG THE SOUTH PROPERTY LINE OF THE SUBJECT PROPERTY IT APPEARS THE WOVEN WIRE AND WOODEN FENCE RUNNING ALONG SAID PROPERTY LINES MEANDER ON AND OFF THE PROPERTY.

FOR REFERENCE ONLY

VICINITY MAP

SURVEYOR'S CERTIFICATE

ALTA/ACSM LAND TITLE SURVEY FOR
SF-WICHITA-I, L.P., A TEXAS LIMITED PARTNERSHIP
BANK OF THE OZARKS AND ITS SUCCESSORS AND ASSIGNS
KENSINGTON GARDENS, L.L.C., A KANSAS LIMITED LIABILITY COMPANY
AND
FIRST AMERICAN TITLE INSURANCE COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLAN AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 6(B), 8, 11(A), 13, 14, 16, 17, 18 AND 19 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON AUGUST 19, 2013.

LOYD P. DORZWEILER, LS #885, IN THE STATE OF KANSAS
ALPHA LAND SURVEYS, INC.
ONE EAST NINTH AVENUE
HUTCHINSON, KS 67502
PH: (620)728-0012
EMAIL: LLOYD@ALPHALANDSURVEYS.COM

REVISION NO.	DATE	DESCRIPTION
1	03/21/2014	REVISIONS PER LENDERS REQUEST
2	03/19/2014	REVISIONS PER LENDERS REQUEST

SURVEY FOR:
THE SEITZ GROUP, INC.

SURVEY TYPE:
ALTA/ACSM LAND TITLE SURVEY

Alpha Land Surveys, Inc.
216 WEST SECOND AVENUE
HUTCHINSON, KANSAS 67501
PH: (620) 728-0012 FAX: (620) 728-0413

SURVEY DATE: 08/19/2013 PLOT DATE: 09/27/2013
DRAWN BY: RDB PROJ NO.: 130200P
CHECKED BY: LPD SHEET 1 OF 1

UTILITY NOTES

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE BY KANSAS ONE-CALL TICKET NO.: 13324153, 13324154, 13324157, 13324162 AND 13324165 DATED APRIL 20, 2011. THIS SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

FLOOD INFORMATION

THE PROPERTY IS NOT LOCATED IN A 100 YEAR FLOOD PLAN OR IN AN IDENTIFIED "FLOOD PRONE AREA," AS DEFINED BY THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT, PURSUANT TO THE FLOOD DISASTER PROTECTION ACT OF 1973, AS AMENDED, AS REFLECTED BY WICHITA, KANSAS FLOOD INSURANCE RATE MAP PANEL # 2017300377E, DATED FEBRUARY 2, 2007, WHICH SAME MAP PANEL COVERS THE AREA IN WHICH THE PROPERTY IS SITUATED. THE PROPERTY IS LOCATED WITHIN ZONE "X". THE ADDRESS OF THE PROPERTY IS UNKNOWN AT THIS TIME.

ZONING INFORMATION

GENERAL DESCRIPTION:
SF-5 SINGLE-FAMILY RESIDENTIAL DISTRICT

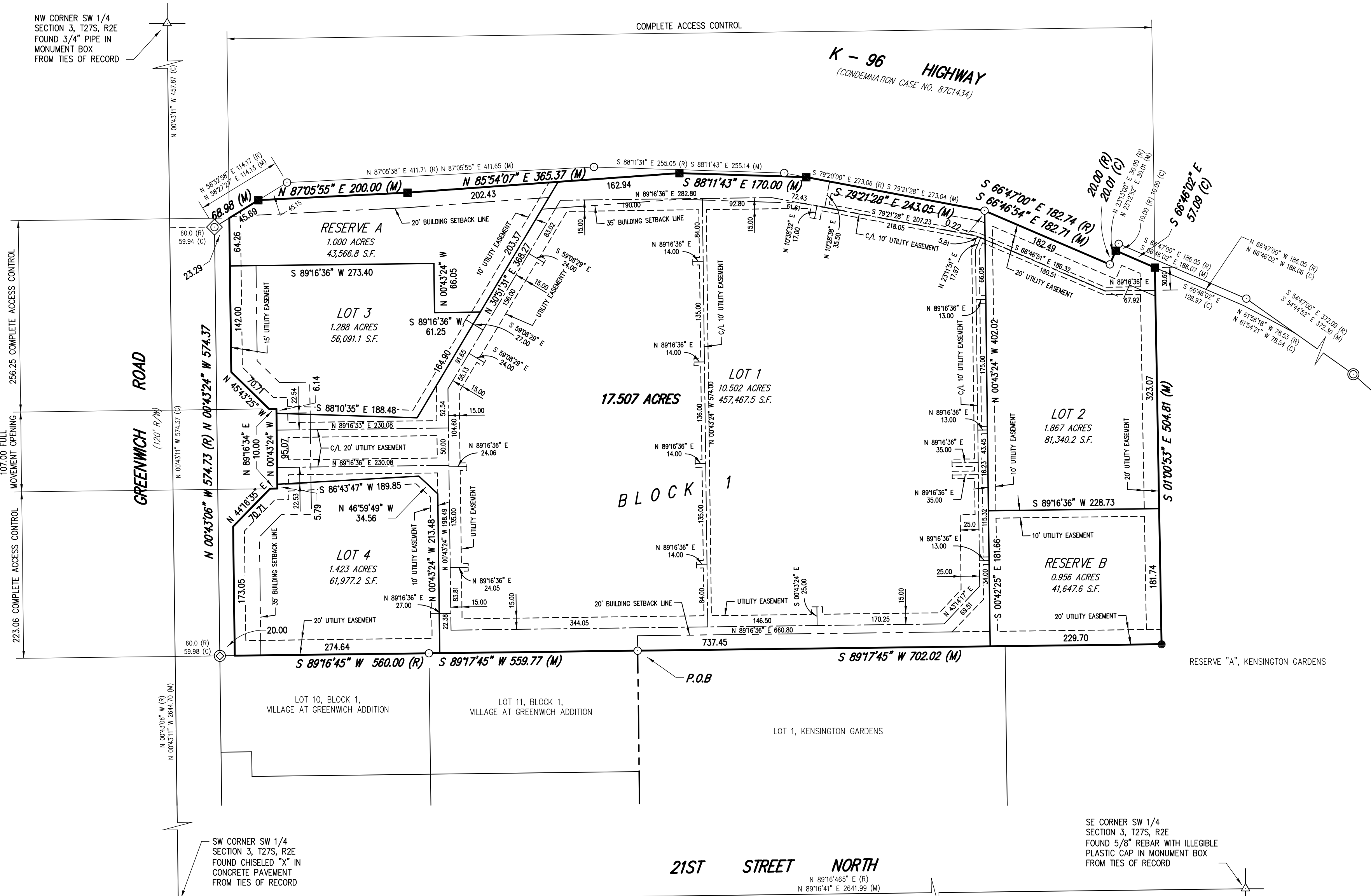
HEIGHT RESTRICTIONS:
35 FEET.

SETBACK REQUIREMENTS:
FRONT YARD SETBACK - 25 FEET PER ZONING CODE.
REAR YARD SETBACK - 35 FEET PER RECORD SUBDIVISION.
SIDE YARD SETBACK - 6 FEET.
REAR YARD SETBACK - 20 FEET.

FINAL PLAT

WICHITA CROSSING

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS.

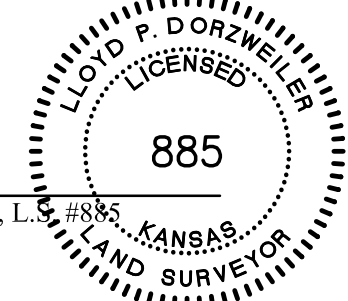


SURVEYOR'S CERTIFICATE AND DESCRIPTION

I, LLOYD P. DORZWEILER, A LICENSED LAND SURVEYOR OF THE STATE OF KANSAS, DO HEREBY CERTIFY THAT THE FOLLOWING DESCRIBED TRACT OF LAND WAS SURVEYED ON _____ DAY OF _____, 20____ AND THE ACCOMPANYING FINAL PLAT PREPARED AND THAT ALL MONUMENTS SHOWN HEREIN ACTUALLY EXIST AND THEIR POSITIONS ARE CORRECTLY SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF:

A PORTION OF RESERVE "A", KENSINGTON GARDENS, SEDGWICK COUNTY, KANSAS DESCRIBED AS FOLLOWS:
 BEGINNING AT THE NORTHWEST CORNER OF LOT 1 OF SAID KENSINGTON GARDENS, THENCE SOUTH 89°17'45" WEST (BASIS OF BEARING IS NAD83 GRID KANSAS SOUTH ZONE) ALONG THE SOUTH LINE OF SAID RESERVE "A" A DISTANCE OF 559.77 FEET (560.00 FEET RECORD) TO THE EASTERLY RIGHT-OF-WAY LINE OF GREENWICH ROAD, SAID LINE ALSO BEING THE NORTH LINE OF SAID LOTS 10 AND 11, BLOCK 1, VILLAGE AT GREENWICH ADDITION, WICHITA, SEDGWICK COUNTY, KANSAS; THENCE NORTH 00°43'24" WEST ALONG THE EASTERLY RIGHT-OF-WAY LINE OF GREENWICH ROAD 574.37 FEET (574.73 FEET RECORD) TO THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY; THENCE NORTH 58°27'27" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 68.98 FEET; THENCE NORTH 87°05'55" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 200.00 FEET; THENCE NORTH 85°54'07" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 365.37 FEET; THENCE SOUTH 88°11'43" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 170.00 FEET; THENCE SOUTH 79°21'28" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 243.05 FEET; THENCE SOUTH 66°46'54" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 182.71 FEET (182.74 FEET RECORD); THENCE NORTH 23°12'52" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 20.01 FEET; THENCE SOUTH 66°46'02" EAST ALONG THE SOUTHERLY RIGHT-OF-WAY LINE OF K-96 HIGHWAY 57.09 FEET; THENCE SOUTH 01°00'53" EAST 504.81 FEET TO THE EXTENSION OF THE SOUTH LINE OF SAID RESERVE "A"; THENCE SOUTH 89°17'45" WEST ALONG THE SOUTH LINE OF SAID RESERVE "A" AND THE EXTENSIONS THEREOF 702.02 FEET TO THE POINT OF BEGINNING, CONTAINING 17.507 ACRES.

EXISTING PUBLIC EASEMENTS AND DEDICATIONS ARE BEING VACATED BY VIRTUE OF K.S.A. 12-512B AS AMENDED.



OWNER'S CERTIFICATE AND DEDICATION

STATE OF KANSAS)
) SS
 SEDGWICK COUNTY)

THIS IS TO CERTIFY THAT THE UNDERSIGNED OWNER(S) OF THE LAND DESCRIBED IN THE SURVEYOR'S CERTIFICATE, HAVE CAUSED THE SAME TO BE SURVEYED AND SUBDIVIDED ON THE ACCOMPANYING PLAT INTO LOTS, BLOCKS, STREETS, AND OTHER PUBLIC WAYS UNDER THE NAME OF "WICHITA CROSSING", A REPLAT OF A PORTION OF RESERVE "A", KENSINGTON GARDENS, SEDGWICK COUNTY, KANSAS.

THIS PLAT SHALL CONFORM TO THE RECITALS OF THE K-96 AND GREENWICH SOUTH COMMUNITY UNIT PLAN (CUP2012-00026, DP-328).

LOTS 1, 2, 3 AND 4, BLOCK 1, ARE REQUIRED TO ADHERE TO THE MINIMUM PAD ELEVATIONS AS SHOWN ON THE "MINIMUM PAD ELEVATIONS" TABLE.

THE UTILITY EASEMENTS ARE HEREBY GRANTED AS INDICATED FOR THE CONSTRUCTION AND MAINTENANCE OF ALL PUBLIC UTILITIES.

ALL STREETS ARE HEREBY DEDICATED TO AND FOR THE USE OF THE PUBLIC.

ACCESS CONTROLS SHALL BE AS DEPICTED ON THE FACE OF THE PLAT AND ARE HEREBY GRANTED TO THE APPROPRIATE GOVERNING BODY.

RESERVES A AND B ARE PLATTED FOR STORMWATER DETENTION, LANDSCAPING, AND IRRIGATION. RESERVES A AND B SHALL BE OWNED AND MAINTAINED BY SF WICHITA - I, LTD.

A DRAINAGE PLAN HAS BEEN DEVELOPED FOR THE PLAT. ALL DRAINAGE EASEMENTS, RIGHTS-OF-WAY, OR RESERVES SHALL REMAIN AT ESTABLISHED GRADES AND UNOBSERVED TO ALLOW FOR CONVEYANCE OF STORMWATER, UNLESS MODIFIED WITH THE APPROVAL OF THE APPLICABLE CITY OF COUNTY ENGINEER.

SF WICHITA - I, LTD

R. ERIC SEITZ, GENERAL PARTNER

NOTARY CERTIFICATE

STATE OF TEXAS, COUNTY OF COLLIN ; SS:

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS _____ DAY OF _____, 20____, BY R. ERIC SEITZ, GENERAL PARTNER OF SF WICHITA - I, LTD.

_____, NOTARY PUBLIC

MY COMMISSION EXPIRES: _____

MORTGAGE CERTIFICATE

BANK OF THE OZARKS, HOLDER OF A MORTGAGE ON THE ABOVE DESCRIBED PROPERTY, DOES HEREBY CONSENT TO THE PLAT OF "WICHITA CROSSING".

BANK OF THE OZARKS

NAME, TITLE _____

STATE OF ?????, COUNTY OF ????? ; SS:

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS _____ DAY OF _____, 20____, BY NAME, TITLE OF BANK OF THE OZARKS.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND AFFIXED MY OFFICIAL SEAL, THE DAY AND YEAR LAST ABOVE WRITTEN.

_____, NOTARY PUBLIC

MY COMMISSION EXPIRES: _____

PLANNING COMMISSION CERTIFICATE

STATE OF KANSAS, CITY OF WICHITA ; SS:

THIS PLAT OF "WICHITA SHOPPING", WICHITA, SEDGWICK COUNTY, KANSAS HAS BEEN APPROVED BY THE WICHITA-SEGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION, WICHITA, KANSAS.

DATED THIS _____ DAY OF _____, 20____.

WICHITA-SEGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

_____, CHAIR

JOHN L. SCHIEGEL, SECRETARY

GOVERNING BODY CERTIFICATE

STATE OF KANSAS, CITY OF WICHITA ; SS:

THIS PLAT APPROVED AND ALL DEDICATIONS SHOWN HEREON, IF ANY, ARE ACCEPTED BY CITY COUNCIL OF THE CITY OF WICHITA, KANSAS, THIS _____ DAY OF _____, 20____.

CAROL BREWER, MAYOR

KAREN SUBLETT, CITY CLERK

TRANSFER RECORD

ENTERED ON TRANSFER RECORD THIS _____ DAY OF _____, 20____.

KELLY B. ARNOLD, COUNTY CLERK

REGISTER OF DEEDS

STATE OF KANSAS, CITY OF WICHITA ; SS:

THIS IS TO CERTIFY THAT THIS INSTRUMENT WAS FILED FOR RECORD IN THE REGISTER OF DEEDS OFFICE, AT _____ (A.M.) (P.M.), ON THIS _____ DAY OF _____, 20____.

BILL MEEK, REGISTER OF DEEDS

TONYA BUCKINGHAM, DEPUTY

COUNTY SURVEYOR CERTIFICATE

STATE OF KANSAS, SEDGWICK COUNTY ; SS:

I HEREBY CERTIFY THAT THIS SURVEY HAS BEEN REVIEWED FOR FILING, PURSUANT TO K.S.A. 58-2005 AND K.S.A. 58-2001 FOR CONTENT ONLY AND IS IN COMPLIANCE WITH THOSE PROVISIONS. NO OTHER WARRANTIES ARE EXTENDED OR IMPLIED.

TRICIA L. ROBELLO, LS #1246

DEPUTY COUNTY SURVEYOR

SEDGWICK COUNTY, KANSAS

BENCH MARKS

SITE DATUM: CHISELED SQUARE IN TOP OF CURB ON WEST END OF ISLAND 42.2 FEET NORTH AND 4.8 FEET EAST OF THE NORTHWEST CORNER OF LOT 7 AS RECORDED ON THE PLAT OF VILLAGE AT GREENWICH ADDITION AT THE REGISTER OF DEEDS, SEDGWICK COUNTY, KANSAS.
 ELEVATION=1366.975(NGVD29)
 ELEVATION=1367.46(NAVD88)

SBM-1: CHISELED SQUARE IN CENTER OF INLET ON THE EAST SIDE OF NORTH GREENWICH ROAD 12.8 FEET SOUTH AND 14.1 FEET WEST OF THE SOUTHWEST CORNER OF SUBJECT PROPERTY.
 ELEVATION=1368.92(NAVD88)

SBM-2: CHISELED SQUARE IN CENTER OF INLET ON THE EAST SIDE OF NORTH GREENWICH ROAD 63.5 FEET NORTH AND 19.6 FEET WEST OF THE NORTHWEST CORNER OF SUBJECT PROPERTY.
 ELEVATION=1367.72(NAVD88)

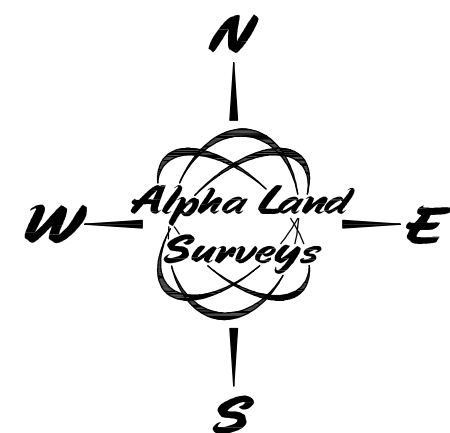
FLOOD NOTE

THIS PROPERTY IS LOCATED WITHIN FLOOD ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS DETERMINED BY THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP FOR SEDGWICK COUNTY, KANSAS, COMMUNITY PANEL NUMBER 20173C0037E. EFFECTIVE DATE FEBRUARY 2, 2007.

LEGEND OF SYMBOLS & ABBREVIATIONS

- △ SECTION SUBDIVISION CORNER FOUND
- FOUND WITH PLASTIC CAP
- ◇ STAMPED "BAUGHMAN"
- ◇ FOUND WITH PLASTIC CAP
- ◇ STAMPED "R&B"
- ◇ FOUND WITH PLASTIC CAP
- ◇ STAMPED "MKEC"
- FOUND 3/4" PIPE UNKNOWN ORIGIN
- FOUND 1/2" PIPE UNKNOWN ORIGIN
- SET 1/2" REBAR WITH CAP
- STAMPED "ALPHA CLS-184"
- SET 1/2" REBAR WITH CAP STAMPED "ALPHA CLS-184" IN CONCRETE

- N. NORTH
- S. SOUTH
- E. EAST
- W. WEST
- . DEGREES
- ' FEET OR MINUTES
- " INCHES OR SECONDS
- SQ. SQUARE
- FT. FEET
- VOL. VOLUME
- PG. PAGE
- O.R. OFFICIAL RECORD
- C. CALCULATED
- R. RECORD
- M. MEASURED



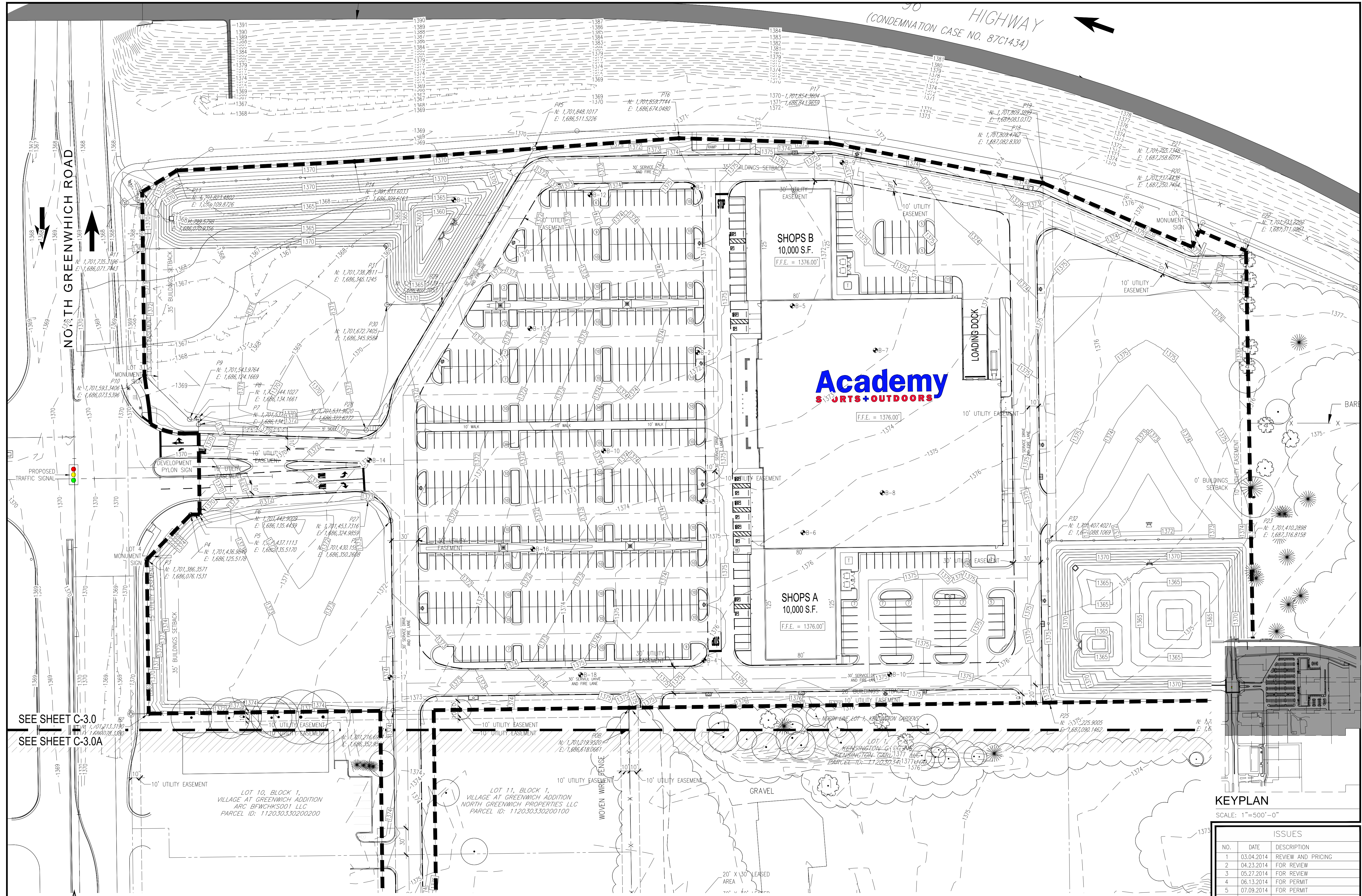
SCALE: 1"=100'
 BASIS OF BEARINGS IS NAD83 GRID
 KANSAS SOUTH ZONE

LOT NUMBER	ELEVATION
1	1372.0 (NAVD88)
2	1372.0 (NAVD88)
3	1372.0 (NAVD88)
4	1372.0 (NAVD88)

FOR REFERENCE ONLY

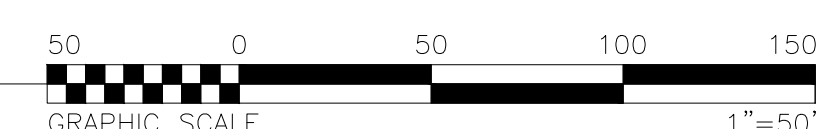
Alpha Land Surveys, Inc.
 216 WEST SECOND AVENUE
 HUTCHINSON, KANSAS 67501
 PH. (620) 728-0012 FAX: (620) 728-0413

SURVEY DATE: 08/19/2013	PLOT DATE: 07/24/2014
DRAWN BY: RDB	PROJ. NO.: 130200P
CHECKED BY: LPD	SHEET 1 OF 1



SEE SHEET C-3.0
SEE SHEET C-3.0A

1 GRADING PLAN
SCALE: 1"=50'-0"



KEYPLAN
SCALE: 1"=500'-0"

ISSUES		
NO.	DATE	DESCRIPTION
1	03.04.2014	REVIEW AND PRICING
2	04.23.2014	FOR REVIEW
3	05.27.2014	FOR PERMIT
4	06.13.2014	FOR PERMIT
5	07.09.2014	FOR PERMIT

THE SUTZ GROUP
Development & Sale of Retail Properties
5729 LEBANON ROAD, SUITE 144
FRISCO, TX 75034
T. 214-705-1078 F. 214-407-8912

WICHITA CROSSING
A PORTION OF LOT 1 AND RESERVE "A",
KENSINGTON GARDENS
CITY OF WICHITA, SEDGWICK COUNTY, KANSAS

23322
Professional Engineer
Carlos I. Cabré, P.E.
07/01/2014

Carlos I. Cabré, P.E.
Development & Engineering Consultant
2201 Long Prairie, Suite 100-202
Wichita, Kansas 67222
www.carloscabre.com

GRADING PLAN
DRAWING TITLE:
DATE: JULY 09, 2014
SCALE: 1"=50'
JOB NUMBER: 12-09
DRAWING NUMBER: C-3.0

THIS DOCUMENT REPRESENTS THE DESIGN EFFORT OF CARLOS I. CABRE, P.E. AND HIS FIRM. IT IS THE PROPERTY OF CARLOS I. CABRE, P.E. AND HIS FIRM. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF CARLOS I. CABRE, P.E. AND HIS FIRM.



SEE SHEET C-3.0
SEE SHEET C-3.0A

LOT 10, BLOCK 1,
VILLAGE AT GREENWICH ADDITION
ARC BFWCHK5001 LLC
PARCEL ID: 112030330200200

LOT 9, BLOCK 1,
VILLAGE AT GREENWICH ADDITION
NORTH GREENWICH PROPERTIES LLC
PARCEL ID: 112030330200300

LOT 8, BLOCK 1,
VILLAGE AT GREENWICH ADDITION
GREENWICH INVESTMENT GROUP LLC
PARCEL ID: 112030330200400

RESERVE "A"
VILLAGE AT GREENWICH ADDITION
GREENWICH INVEST GROUP LLC
PARCEL ID: 1120303302012

LOT 7, BLOCK 1,
VILLAGE AT GREENWICH ADDITION
GREENWICH INVESTMENT GROUP LLC
PARCEL ID: 112030330200500

LOT 11, BLOCK 1,
VILLAGE AT GREENWICH ADDITION
NORTH GREENWICH PROPERTIES LLC
PARCEL ID: 112030330200100

LOT 12, BLOCK 1,
VILLAGE AT GREENWICH ADDITION
NORTH GREENWICH PROPERTIES LLC
PARCEL ID: 112030330201600

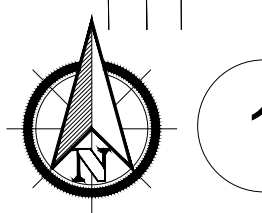
LOT 13, BLOCK 1,
VILLAGE AT GREENWICH ADDITION
GREENWICH INVEST GROUP LLC
PARCEL ID: 112030330201500

LOT 14, BLOCK 1,
VILLAGE AT GREENWICH ADDITION
GREENWICH INVEST GROUP LLC
PARCEL ID: 112030330201400

LOT 15, BLOCK 1,
VILLAGE AT GREENWICH ADDITION
WICHITA HOSPITALITY GROUP LLC
PARCEL ID: 112030330201300

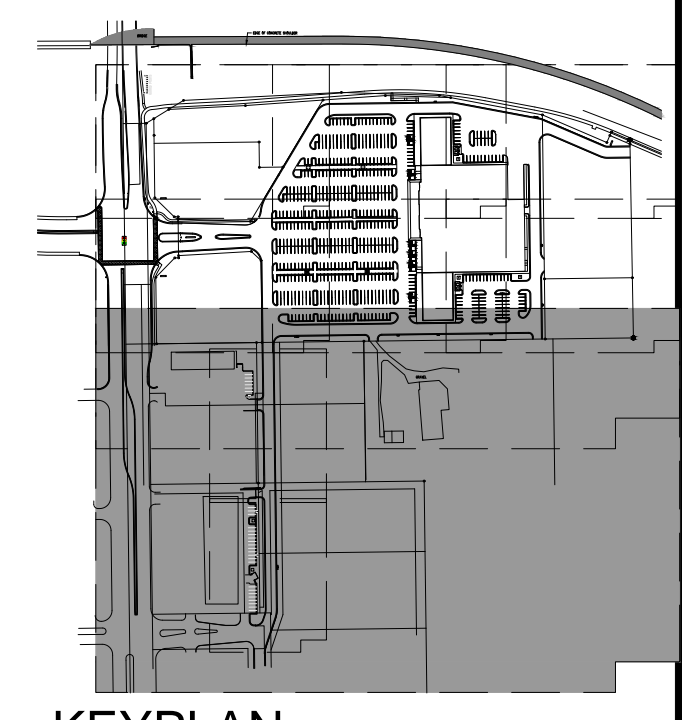
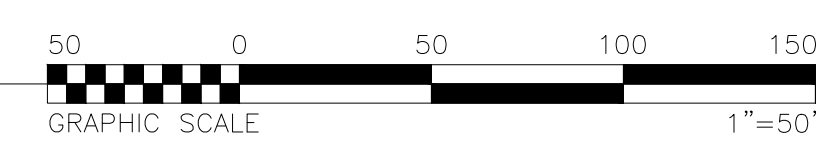
GRAVEL

SUE BOL LINE



1

GRADING PLAN
SCALE: 1"=50'-0"



KEY PLAN
SCALE: 1"=500'-0"

ISSUES		
NO.	DATE	DESCRIPTION
4	06.13.2014	FOR PERMIT
5	07.09.2014	FOR PERMIT

THE SEITZ GROUP
DEVELOPMENT & SALE OF REAL PROPERTY
5729 LEBANON ROAD, SUITE 144
FRISCO, TX 75034
T: 214-705-1078 F: 214-407-8912

WICHITA CROSSING
A PORTION OF LOT 1 AND RESERVE "A",
KENSINGTON GARDENS
CITY OF WICHITA, SEDGWICK COUNTY, KANSAS



Carlos I. Cabré P.E.
Civil, Mechanical & Electrical Consultant
2201 Long Prairie, Suite 102-222
Wichita, Kansas 67222
www.carloscabre.com

GRADING PLAN
DRAWING TITLE:
DATE: JULY 09, 2014
SCALE: 1"=50'
JOB NUMBER: 12-09
DRAWING NUMBER:

C-3.0A

AS-BUILT DRAWINGS
 Contractor: Mccullough Excavation
 Inspector: Dakota Zimmerman
 Ruggles & Bohm
 PDF By: DGZ 04/06/2015

THE SUTZ GROUP
 DEVELOPMENT & SALE OF RETAIL PROPERTIES
 5729 LEBANON ROAD, SUITE 144
 FRISCO, TX 75034
 T. 214-705-1078 F. 214-407-8912

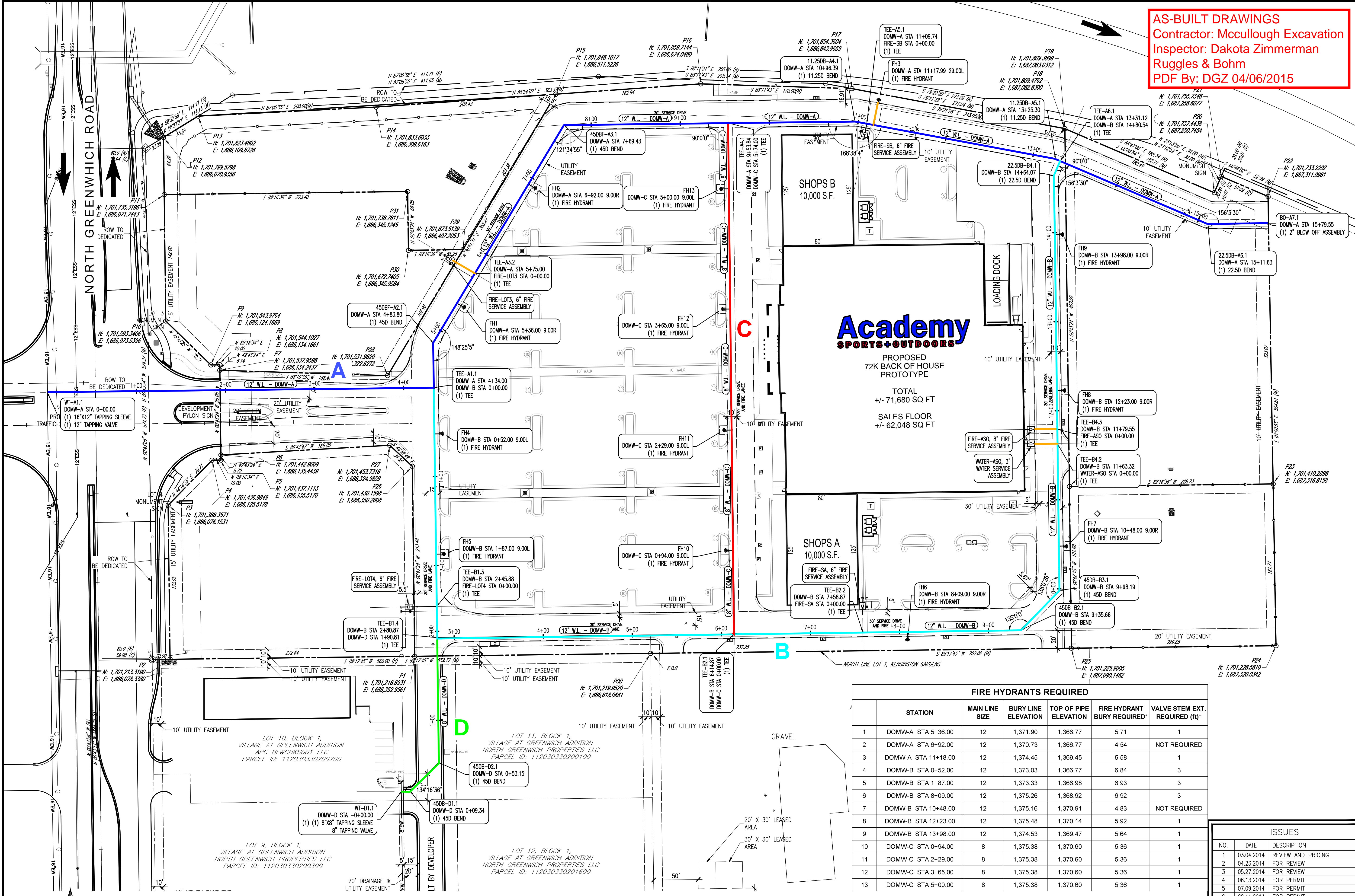
WICHITA CROSSING
 A PORTION OF LOT 1 AND RESERVE "A",
 KENSINGTON GARDENS
 CITY OF WICHITA, SEDGWICK COUNTY, KANSAS

CARLOS I. CABRE, P.E.
 23322
 08/17/2014

Carlos I. Cabre, P.E.
 Development & Engineering Consultant
 220 Longhorn, Suite 1002
 Irving, Texas 75039
 info@carloscabre.com

WATER LINES PLAN OVERALL
 THIS DOCUMENT REPRESENTS THE DESIGN EFFORT OF CARLOS I. CABRE, P.E., AND IS ISSUED AS AN INSTRUMENT OF SERVICE FOR THE SUBJECT PROJECT. IT IS NOT TO BE USED FOR ANY OTHER PROJECTS WITHOUT THE WRITTEN CONSENT OF CARLOS I. CABRE, P.E. ANY REPRODUCTION OR ALTERATION OF THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF CARLOS I. CABRE, P.E. IS PROHIBITED.

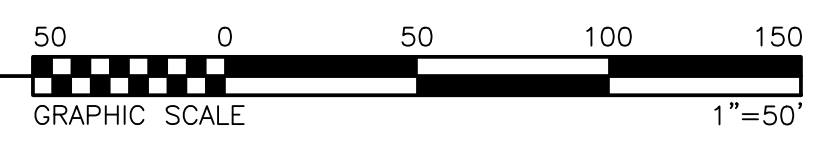
DATE: AUGUST 29, 2014
 SCALE: 1"=50'
 JOB NUMBER: 12-09
 DRAWING NUMBER: C-5.0

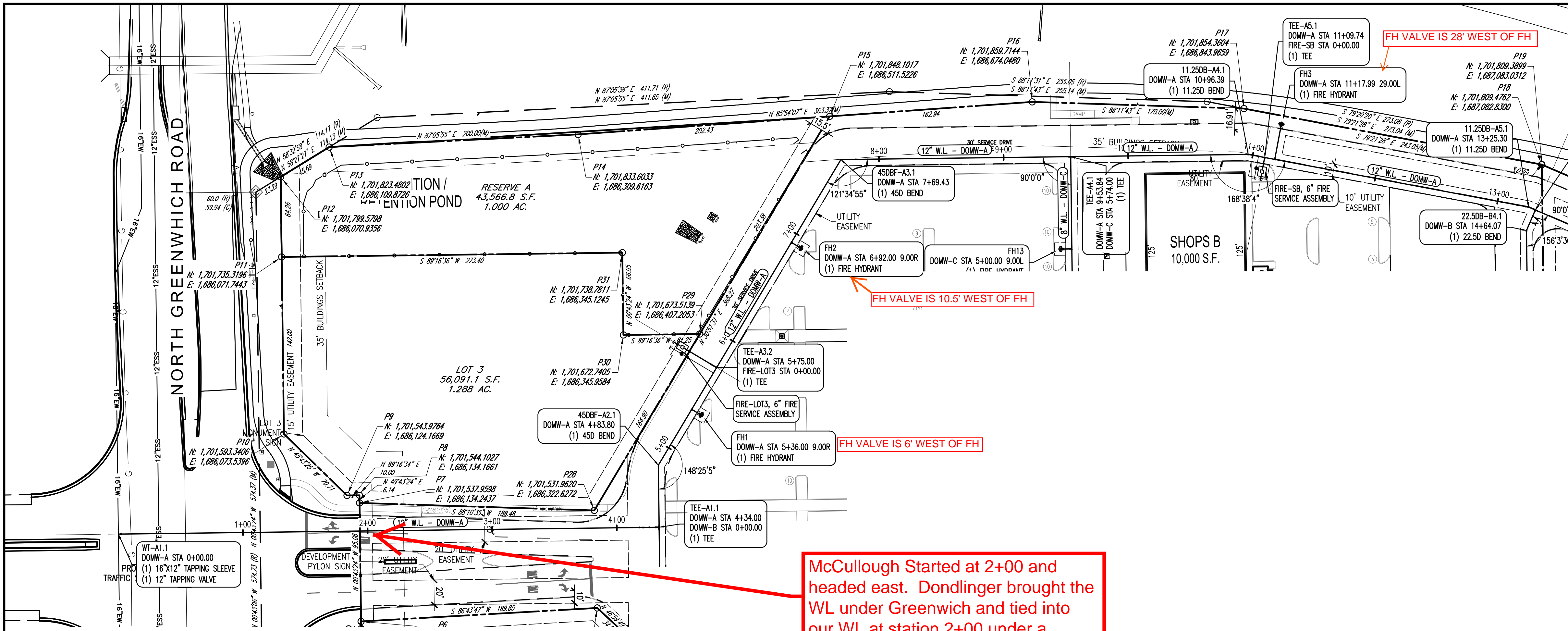


FIRE HYDRANTS REQUIRED						
STATION	MAIN LINE SIZE	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED*	VALVE STEM EXT. REQUIRED (ft)*	
1	DOMW-A STA 5+36.00	12	1,371.90	1,366.77	5.71	1
2	DOMW-A STA 6+92.00	12	1,370.73	1,366.77	4.54	NOT REQUIRED
3	DOMW-A STA 11+18.00	12	1,374.45	1,369.45	5.58	1
4	DOMW-B STA 0+52.00	12	1,373.03	1,366.77	6.84	3
5	DOMW-B STA 1+87.00	12	1,373.33	1,366.98	6.93	3
6	DOMW-B STA 8+09.00	12	1,375.26	1,368.92	6.92	3
7	DOMW-B STA 10+48.00	12	1,375.16	1,370.91	4.83	NOT REQUIRED
8	DOMW-B STA 12+23.00	12	1,375.48	1,370.14	5.92	1
9	DOMW-B STA 13+98.00	12	1,374.53	1,369.47	5.64	1
10	DOMW-C STA 0+94.00	8	1,375.38	1,370.60	5.36	1
11	DOMW-C STA 2+29.00	8	1,375.38	1,370.60	5.36	1
12	DOMW-C STA 3+65.00	8	1,375.38	1,370.60	5.36	1
13	DOMW-C STA 5+00.00	8	1,375.38	1,370.60	5.36	1

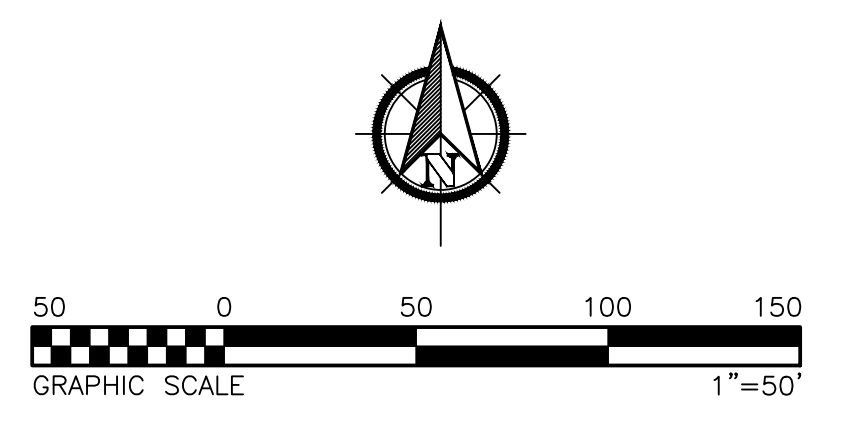
ISSUES		
NO.	DATE	DESCRIPTION
1	03.04.2014	REVIEW AND PRICING
2	04.23.2014	FOR REVIEW
3	05.27.2014	FOR REVIEW
4	06.13.2014	FOR PERMIT
5	07.09.2014	FOR PERMIT
6	08.11.2014	FOR PERMIT
7	08.25.2014	FOR PERMIT
8	08.28.2014	FOR PERMIT
9	08.29.2014	FOR PERMIT

1 WATER LINES PLAN
 SCALE: 1"=50'-0"



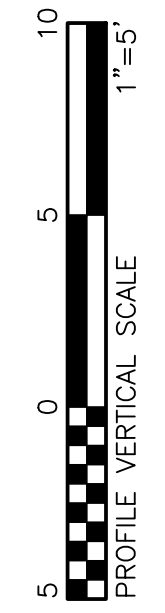
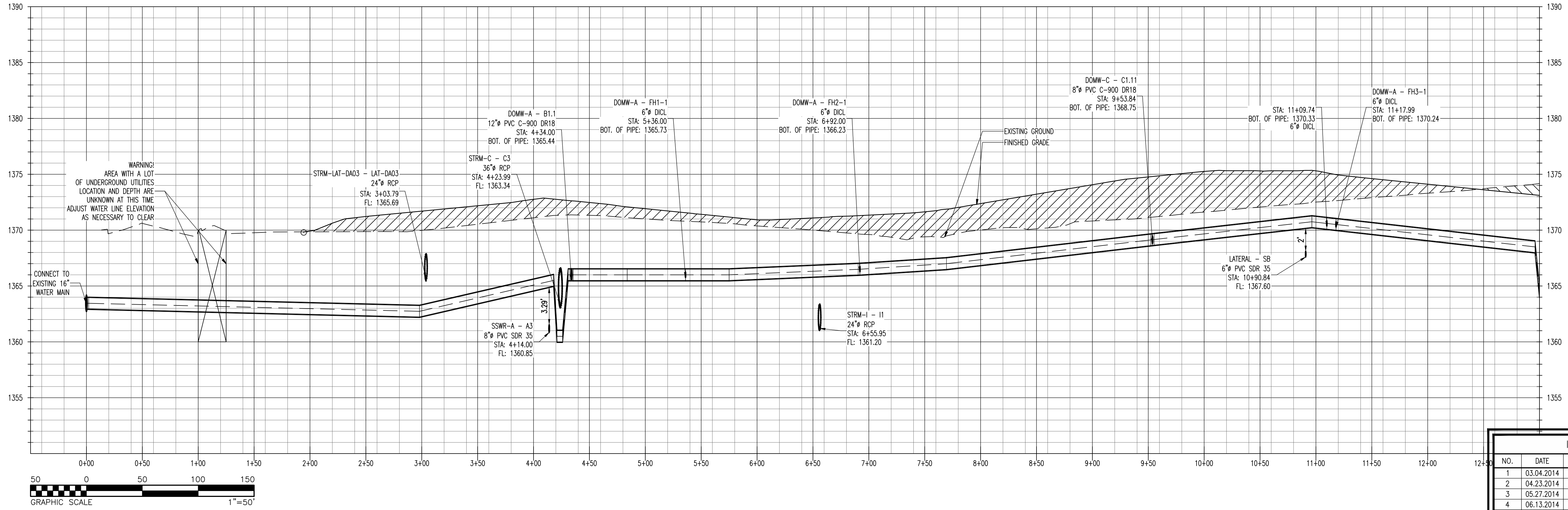


AS-BUILT DRAWINGS
 Contractor: Mccullough Excavation
 Inspector: Dakota Zimmerman
 Ruggles & Bohm
 PDF By: DGZ 04/06/2015



McCullough Started at 2+00 and headed east. Dondlinger brought the WL under Greenwich and tied into our WL at station 2+00 under a separate project.

DOMW-A- WATER LINE A 0+00 to 13+00



THE SEITZ GROUP
 DEVELOPMENT & SALE OF REAL PROPERTIES
 5729 LEBANON ROAD, SUITE 144
 FRISCO, TX 75034
 T. 214-705-1078 F. 214-407-8912

WICHITA CROSSING
 A PORTION OF LOT 1 AND RESERVE "A",
 KENSINGTON GARDENS
 CITY OF WICHITA, SEDGWICK COUNTY, KANSAS

CARLOS I. CABRE
 LICENSED PROFESSIONAL ENGINEER
 23322
 08/29/2014

Carlos I. Cabre, P.E.
 Development & Engineering Consultant
 2201 Loop West, Suite 100-202
 Frisco, TX 75034
 info@carlosi.com

DRAWING TITLE:
**WATER LINE "DOMW-A"
 PARTIAL PLAN & PROFILE**
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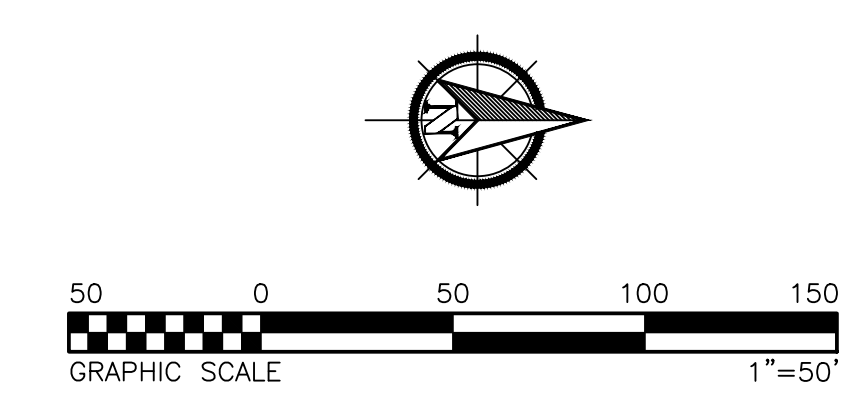
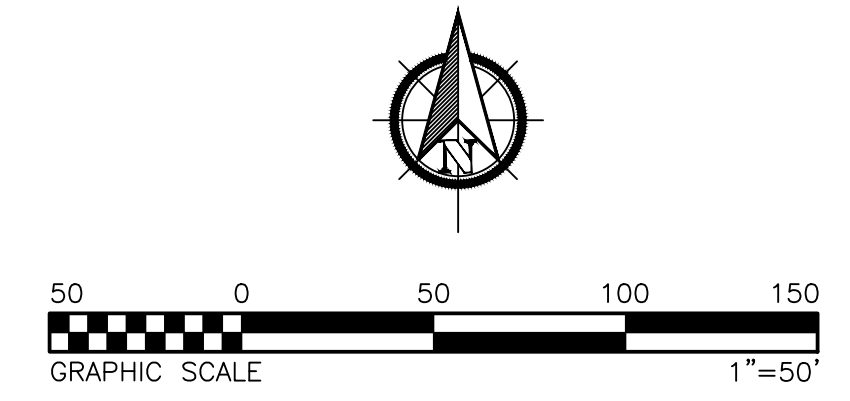
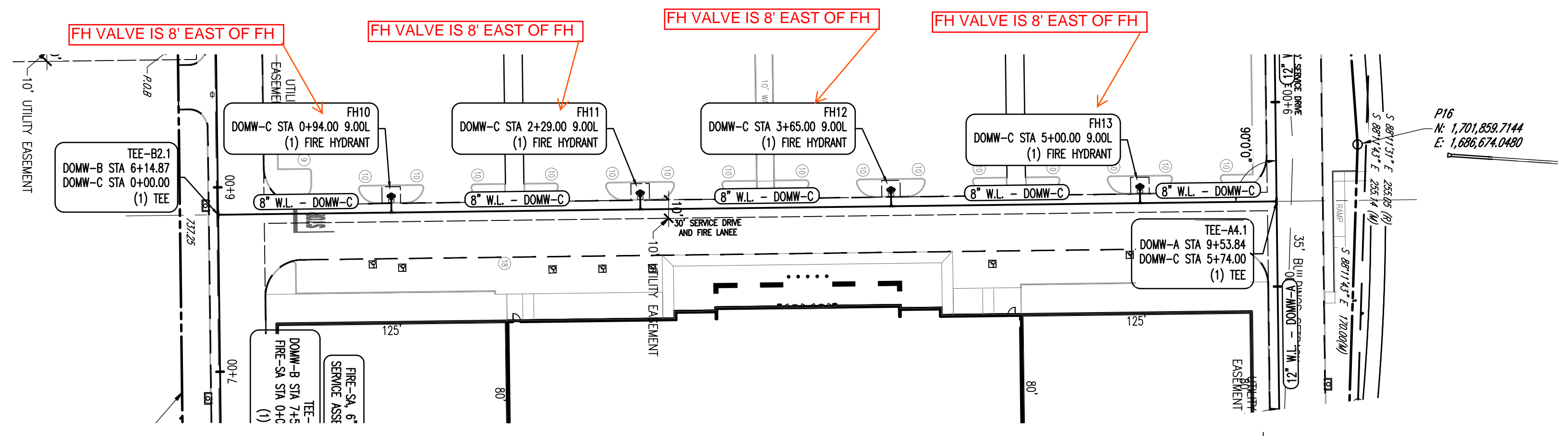
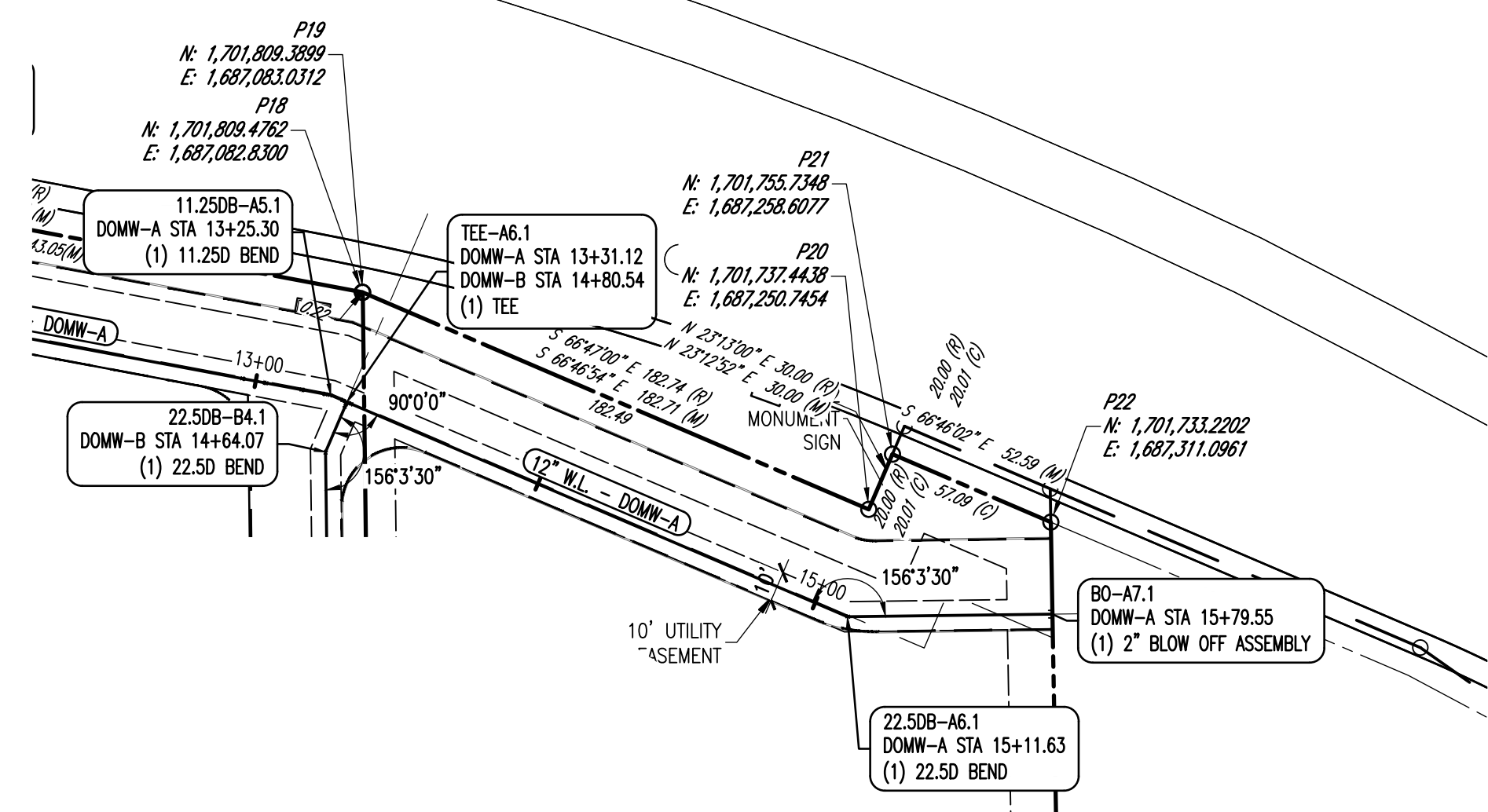
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3	05.27.2014	FOR REVIEW
4	06.13.2014	FOR PERMIT
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7	08.25.2014	FOR PERMIT
8	08.28.2014	FOR PERMIT
9	08.29.2014	FOR PERMIT

DATE:
 AUGUST 29, 2014
 SCALE:
 1"=50'
 JOB NUMBER:
 12-09
 DRAWING NUMBER:
C-5.1

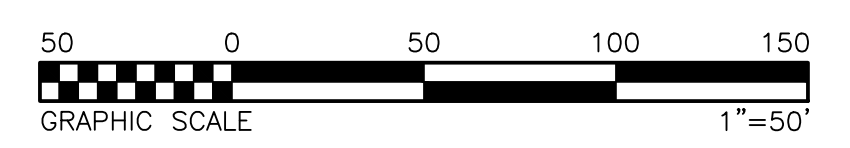
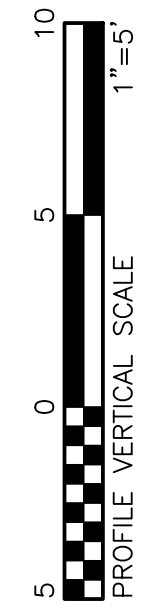
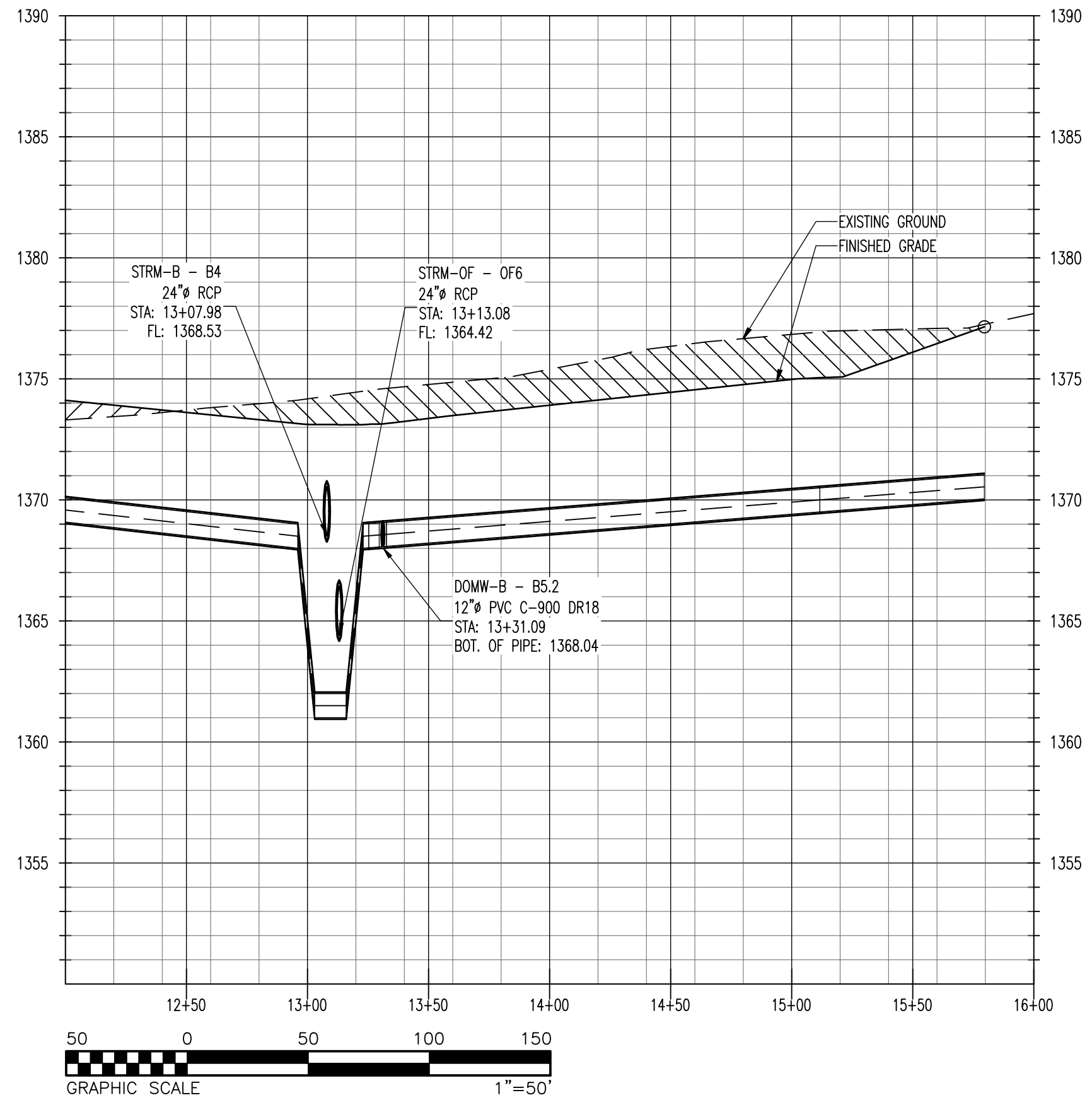
AS-BUILT DRAWINGS
 Contractor: Mccullough Excavation
 Inspector: Dakota Zimmerman
 Ruggles & Bohm
 PDF By: DGZ 04/06/2015

THE SEIZ GROUP
 DEVELOPMENT & SALE OF REAL PROPERTIES
 5729 LEBANON ROAD, SUITE 144
 FRISCO, TX 75034
 T. 214-705-1078 F. 214-407-8912

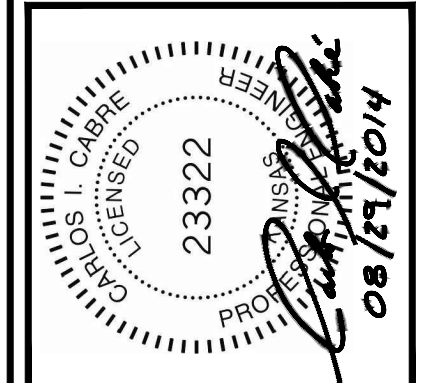
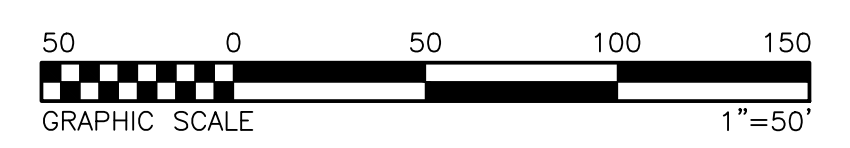
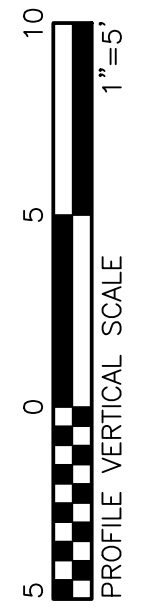
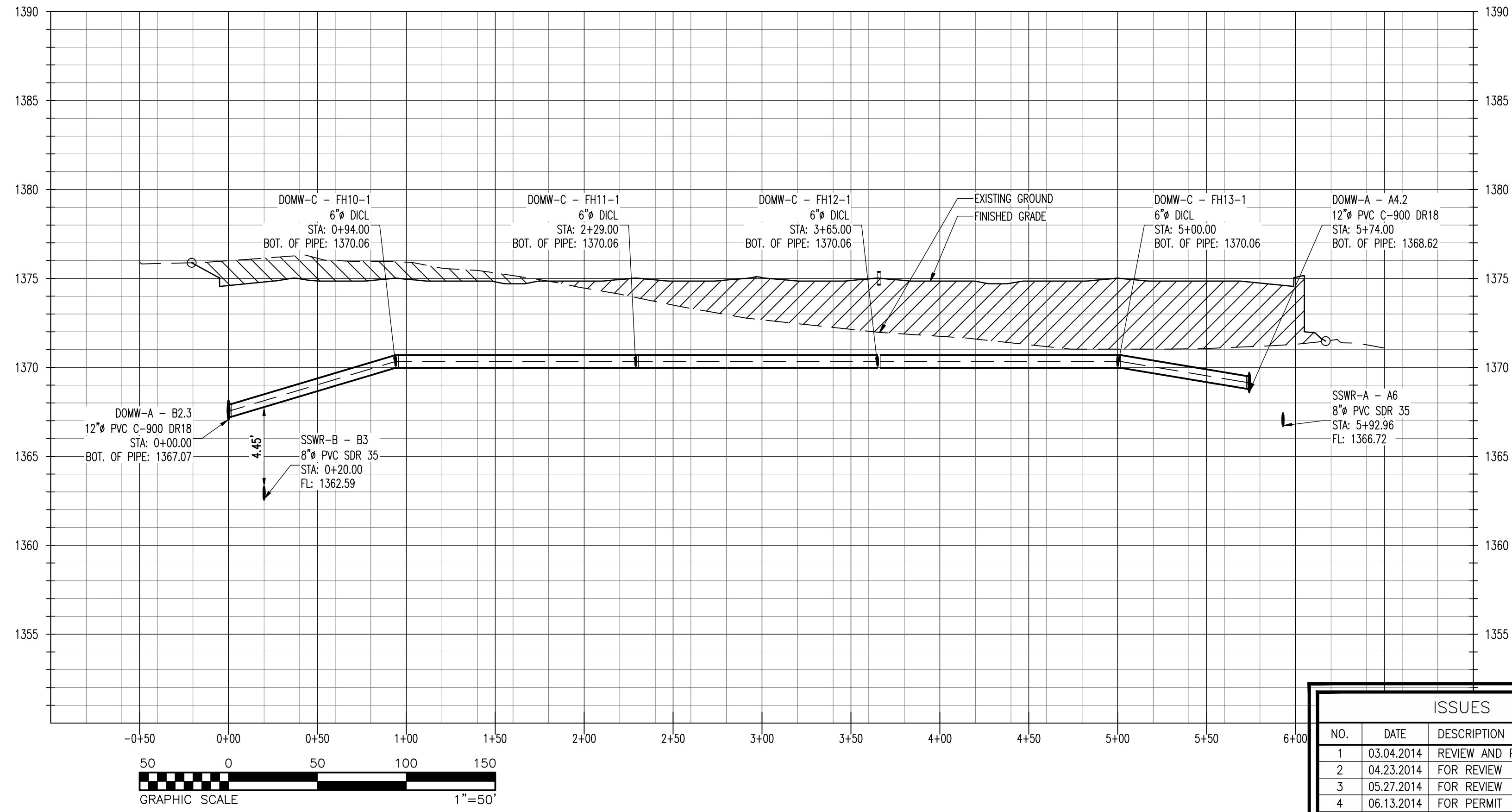
WICHITA CROSSING
 A PORTION OF LOT 1 AND RESERVE "A",
 KENSINGTON GARDENS
 CITY OF WICHITA, SEDGWICK COUNTY, KANSAS



DOMW-A- WATER LINE A 13+00 to 15+ 79.54



DOMW-C- WATER LINE C



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WATER LINES PARTIAL PLAN & PROFILE
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DATE: AUGUST 29, 2014
 SCALE: 1"=50'
 JOB NUMBER: 12-09
 DRAWING NUMBER: **C-5.2**



ACADEMY SPORTS WATER LINE FIELD TIE IN'S

1827PPW (607853)

Sheet C-5.3

***All tie-in's are from Station 0+00 Line A which is 1,914 ft. north and 54 ft. west of Greenwich and 21st centerline intersection.*

Bend No.	Station	Line	North	East	South	Description
1	0+00.00	B	0	434.00	0	Tee
2	0+52.00	B	0	434.00	52.00	FH
3	0+75.37	B	0	434.00	75.37	Bend
4	0+78.37	B	0	434.00	78.37	Bend
5	0+88.37	B	0	434.00	88.37	Bend
6	0+91.37	B	0	434.00	91.37	Bend
7	1+86.87	B	0	434.00	186.87	FH
8	2+45.88	B	0	434.00	245.88	Tee
9	2+80.87	B	0	434.00	280.87	Tee
10	6+14.87	B	0	771.00	281.00	Tee
11	7+58.87	B	0	915.00	281.00	Tee
12	8+09.00	B	0	965.00	281.00	Tee
13	8+52.00	B	0	1008.00	281.00	Bend
14	9+35.66	B	0	1092.00	281.00	Bend
15	9+98.19	B	0	1130.00	228.00	Bend
16	10+08.18	B	0	1130.00	218.00	Bend
17	10+10.18	B	0	1130.00	216.00	Bend
18	10+20.18	B	0	1130.00	206.00	Bend
19	10+23.18	B	0	1130.00	203.00	Bend
20	10+48.00	B	0	1130.00	178.00	FH
21	11+63.32	B	0	1130.00	63.00	Tee
22	11+79.55	B	0	1130.00	47.00	Tee
23	11+82.55	B	0	1130.00	44.00	Bend
24	11+85.55	B	0	1130.00	41.00	Bend
25	11+90.55	B	0	1130.00	36.00	Bend
26	11+93.55	B	0	1130.00	33.00	Bend
27	12+23.00	B	0	1130.00	0.50	FH

AS-BUILT DRAWINGS
 Contractor: Mccullough Excavation
 Inspector: Dakota Zimmerman
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WICHITA CROSSING
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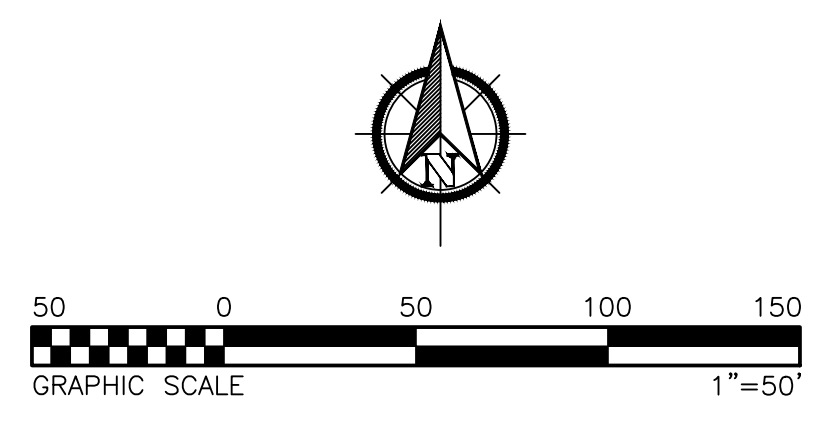
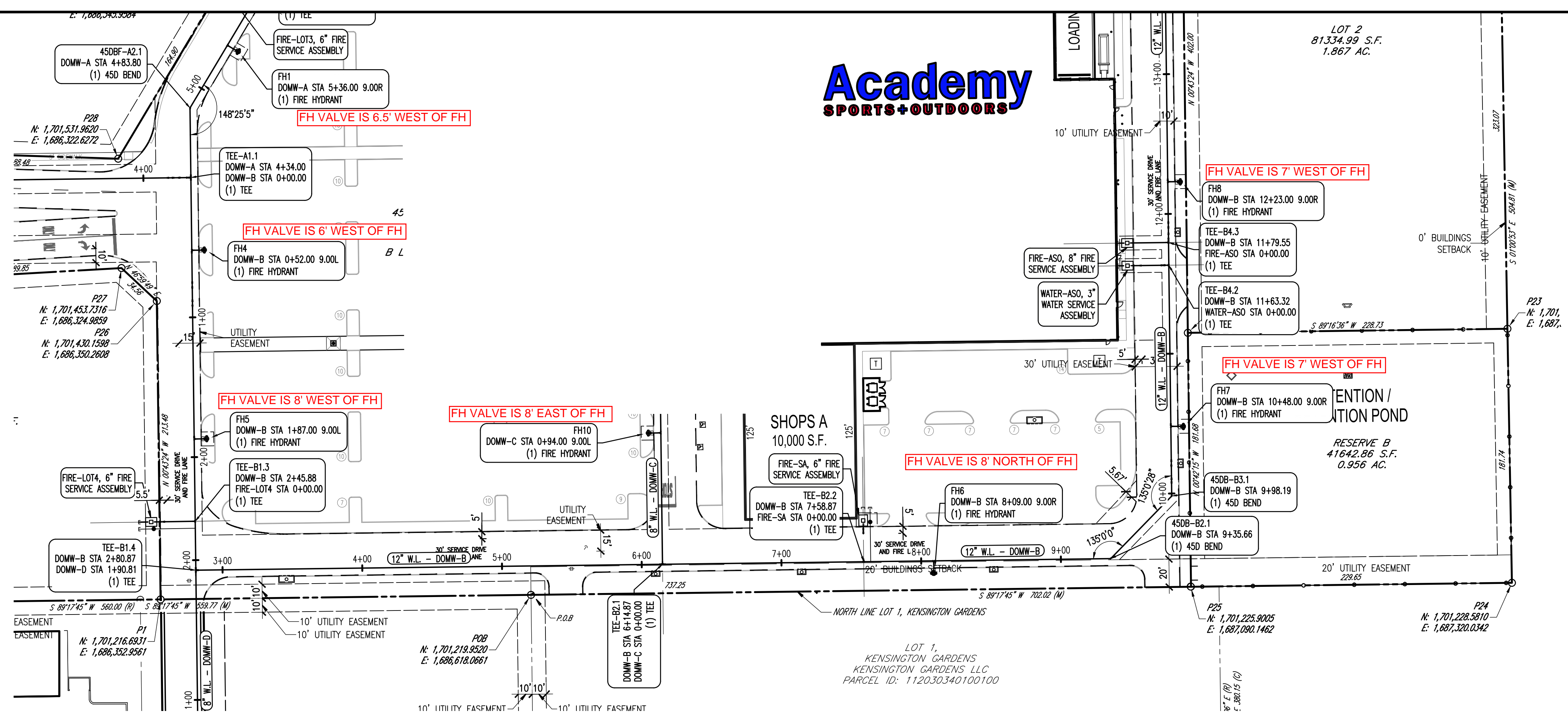
PROFESSIONAL SEAL
 CARLOS I. CABRE
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 23322
 08/29/2014

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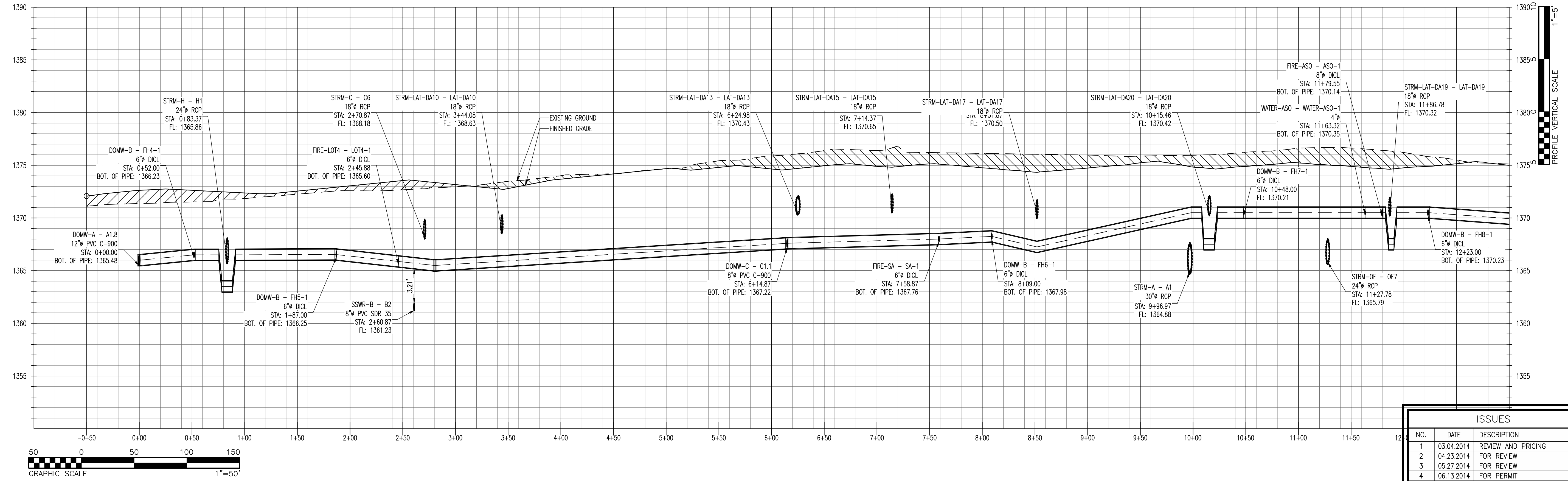
DRAWING TITLE:
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 AUGUST 29, 2014
 SCALE:
 1"=50'
 JOB NUMBER:
 12-09
 DRAWING NUMBER:
C-5.3

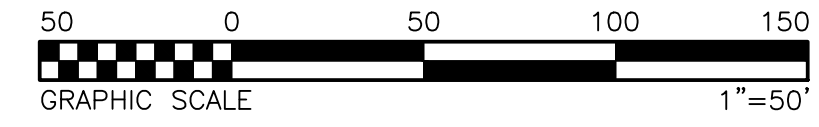
Academy
 SPORTS+OUTDOORS

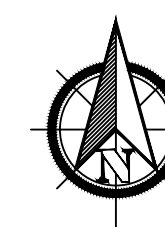
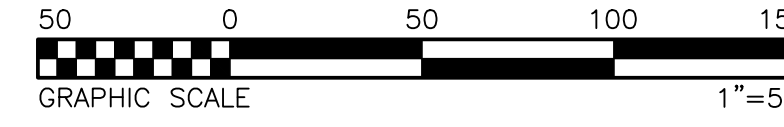
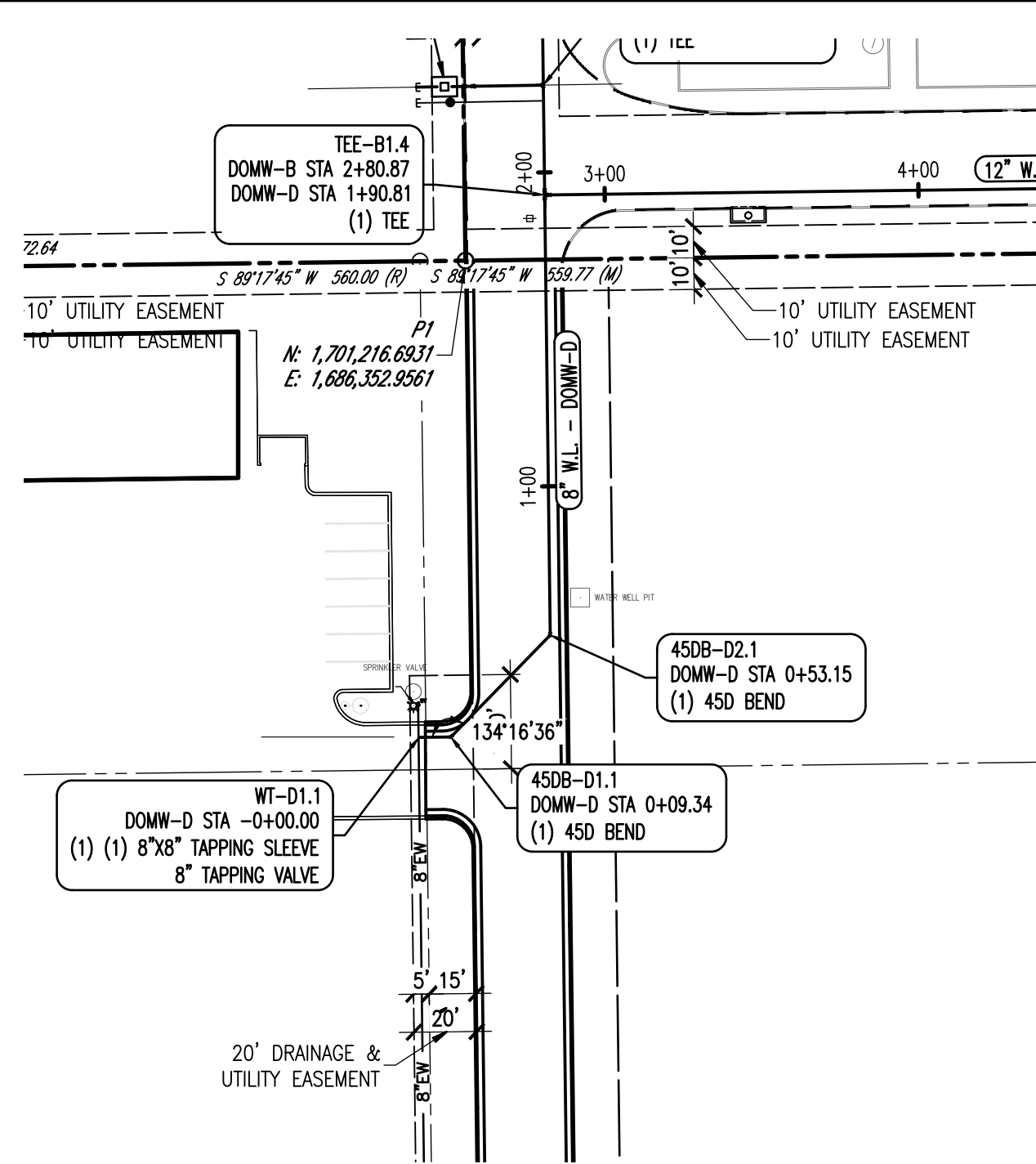
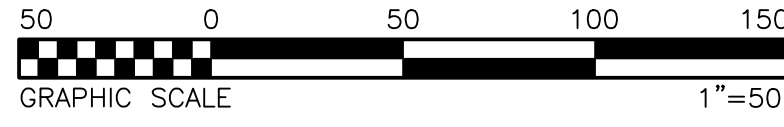
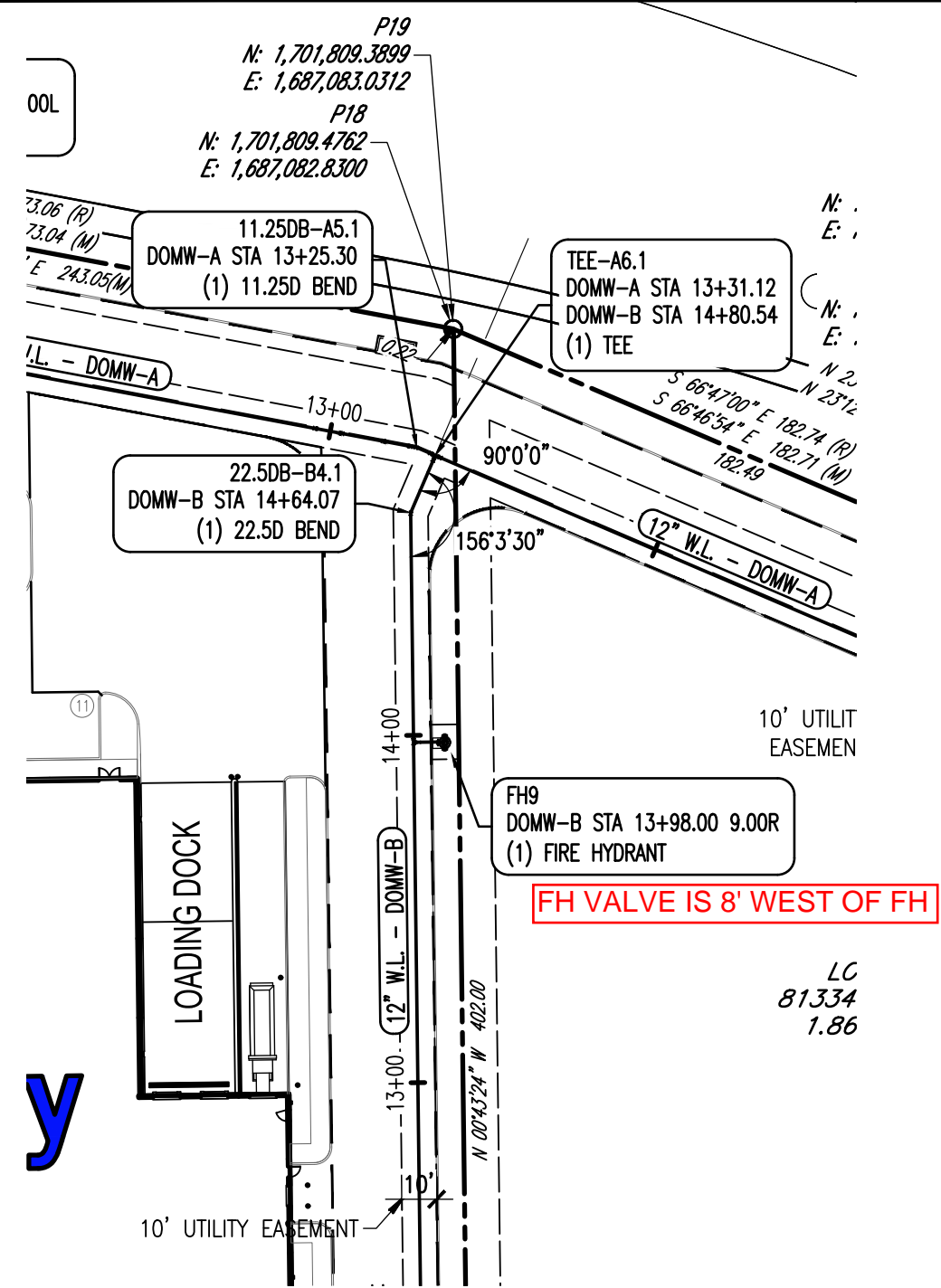


DOMW-B - WATER LINE B STA 0+00 TO 13+00



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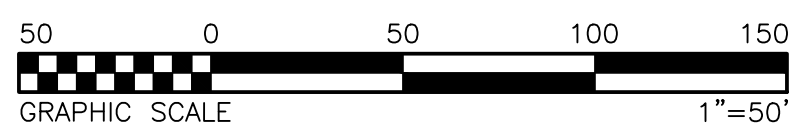
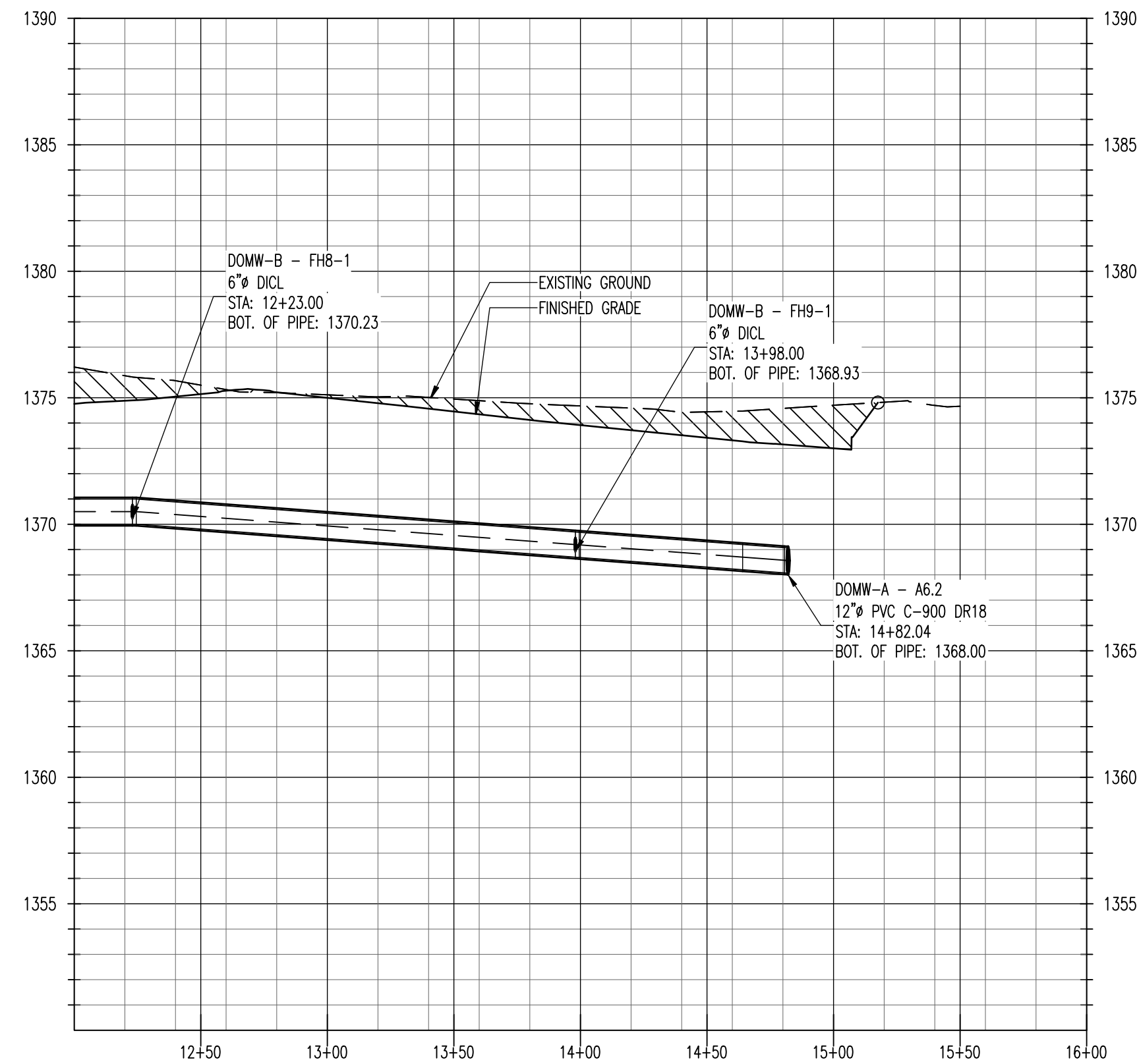


AS-BUILT DRAWINGS
 Contractor: Mccullough Excavation
 Inspector: Dakota Zimmerman
 Ruggles & Bohm
 PDF By: DGZ 04/06/2015

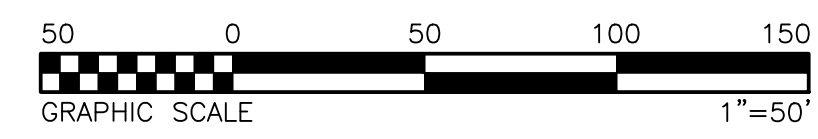
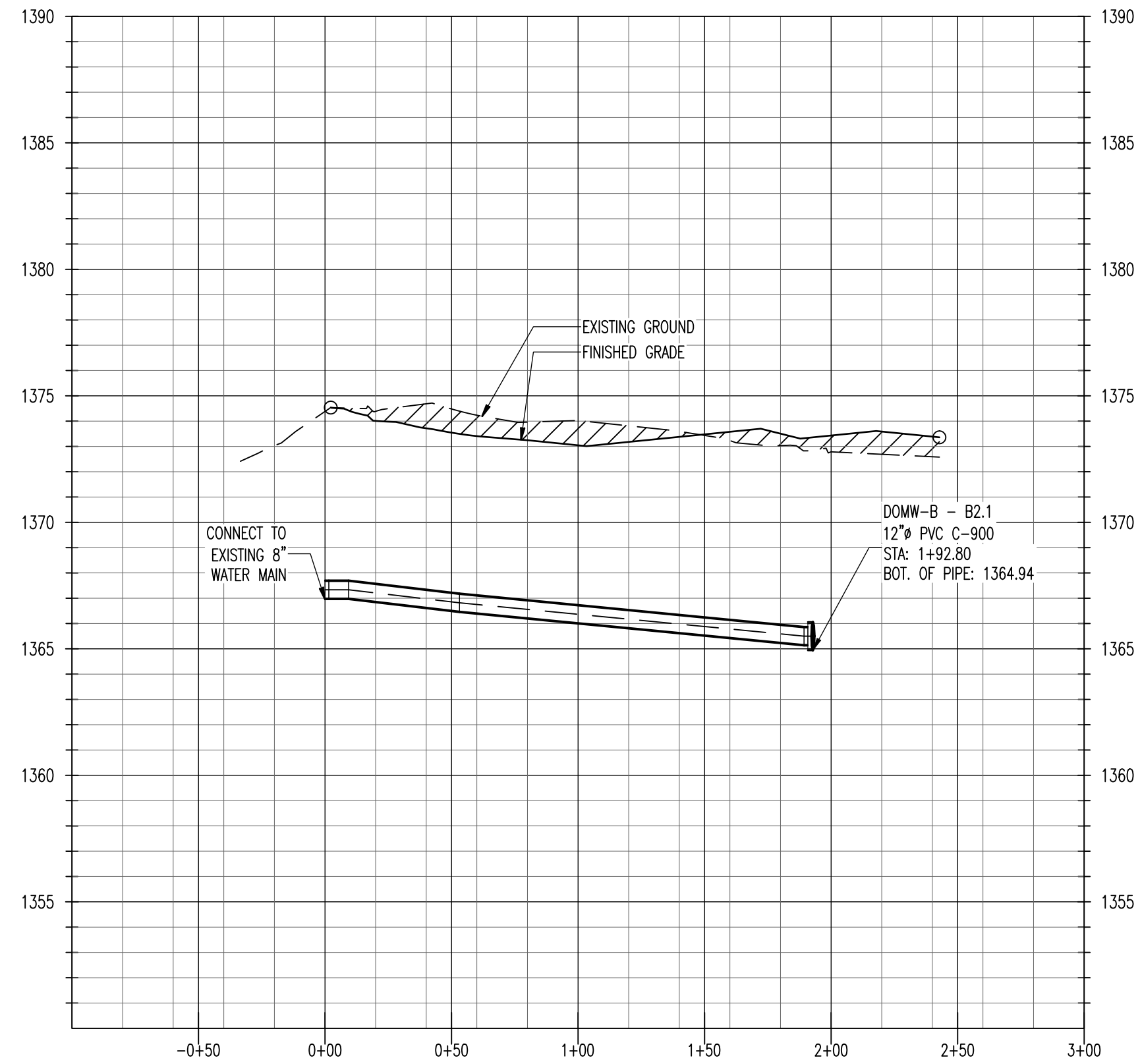
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WICHITA CROSSING
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 CITY OF WICHITA, SEDGWICK COUNTY, KANSAS

DOMW-B - WATER LINE B STA 13+00 TO 14+82



DOMW-D - WATER LINE D

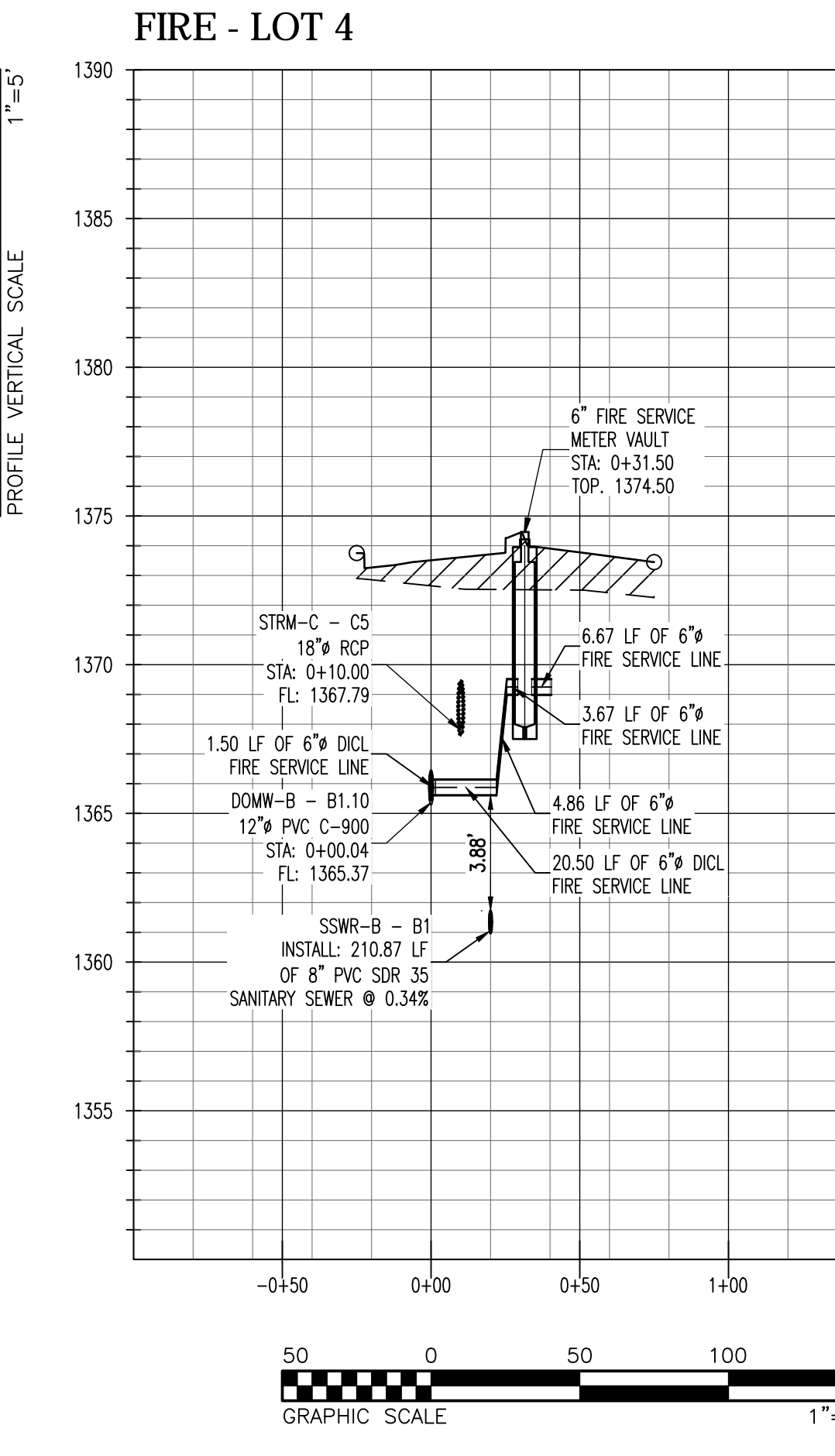
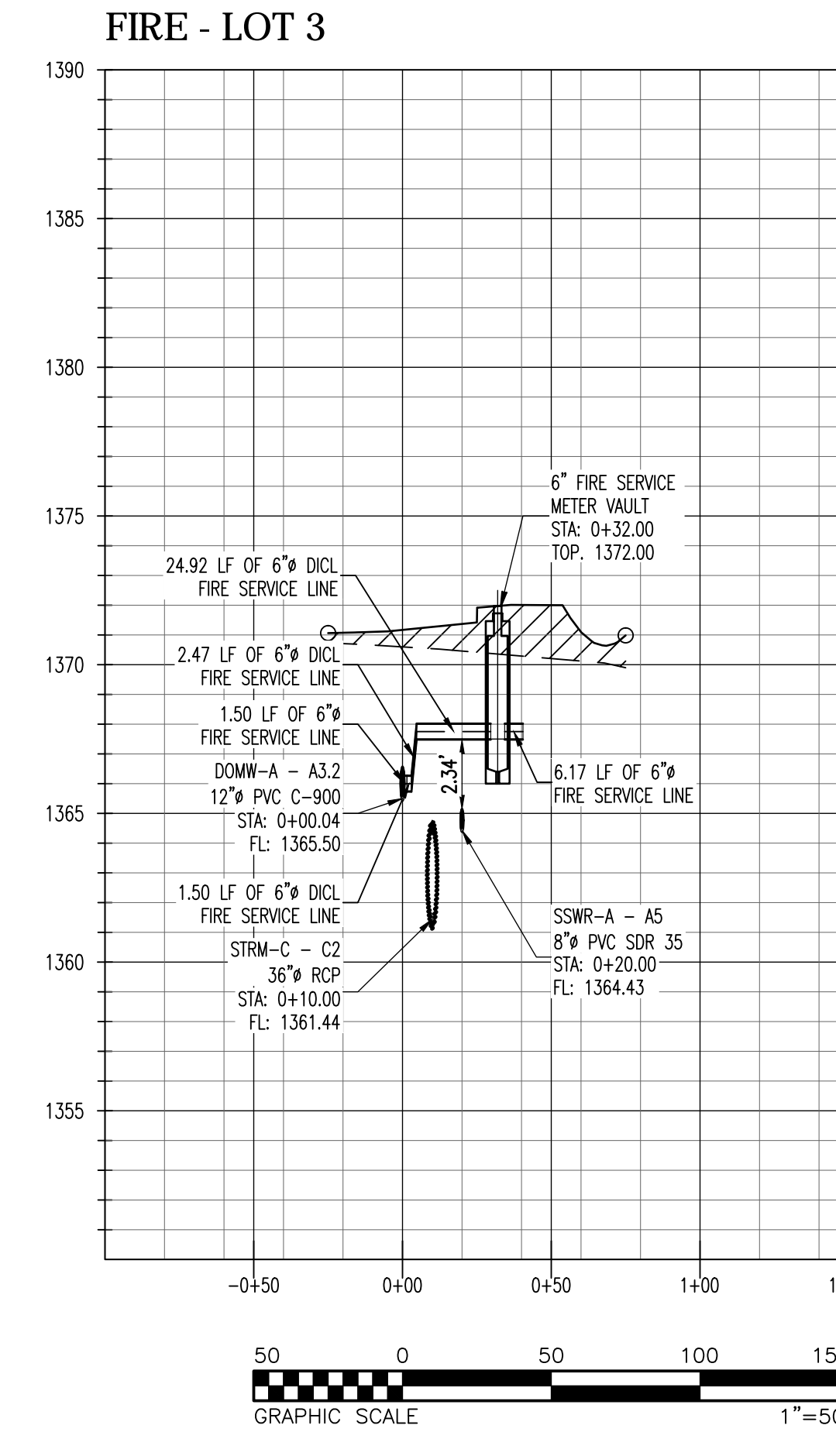
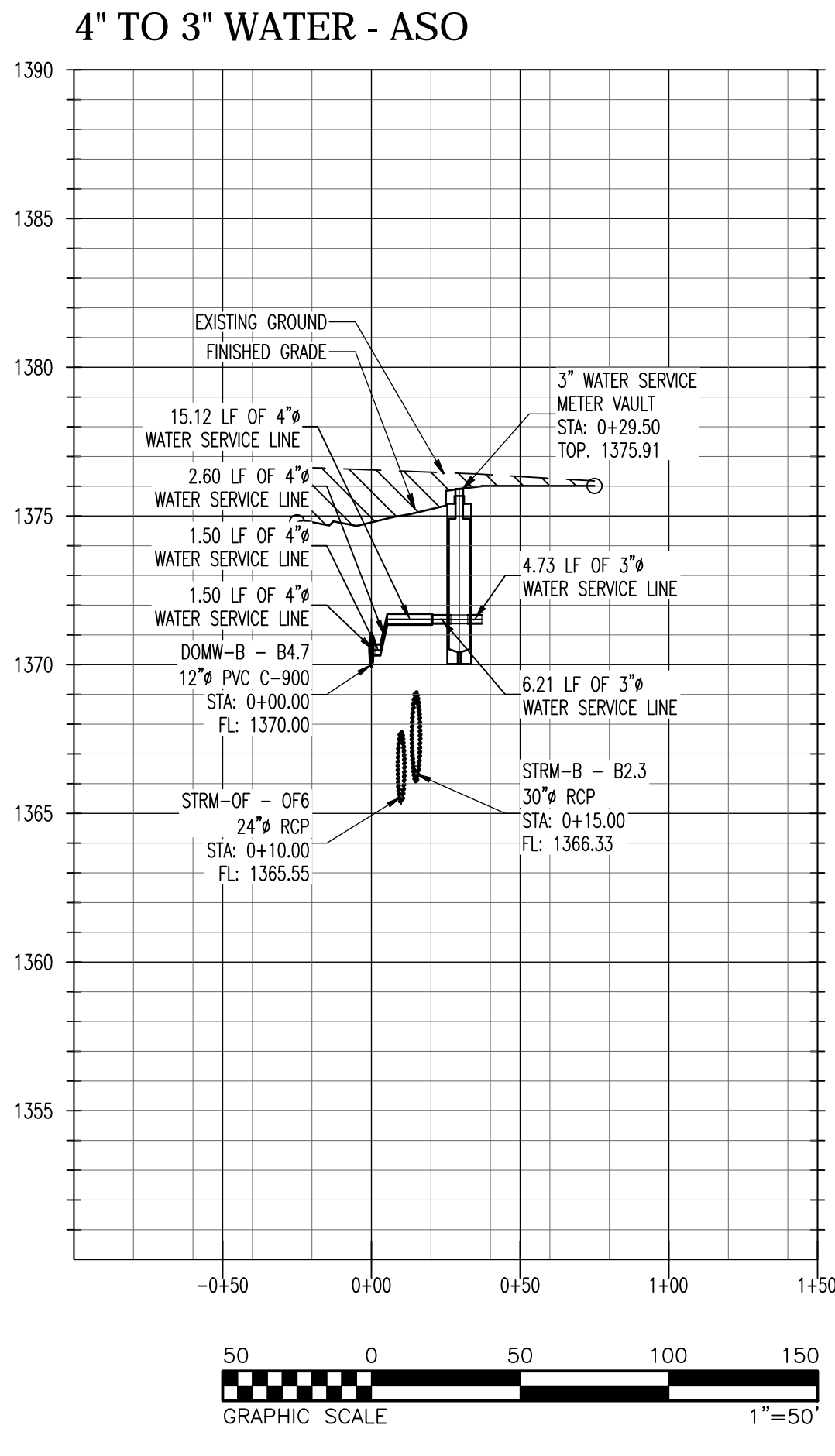
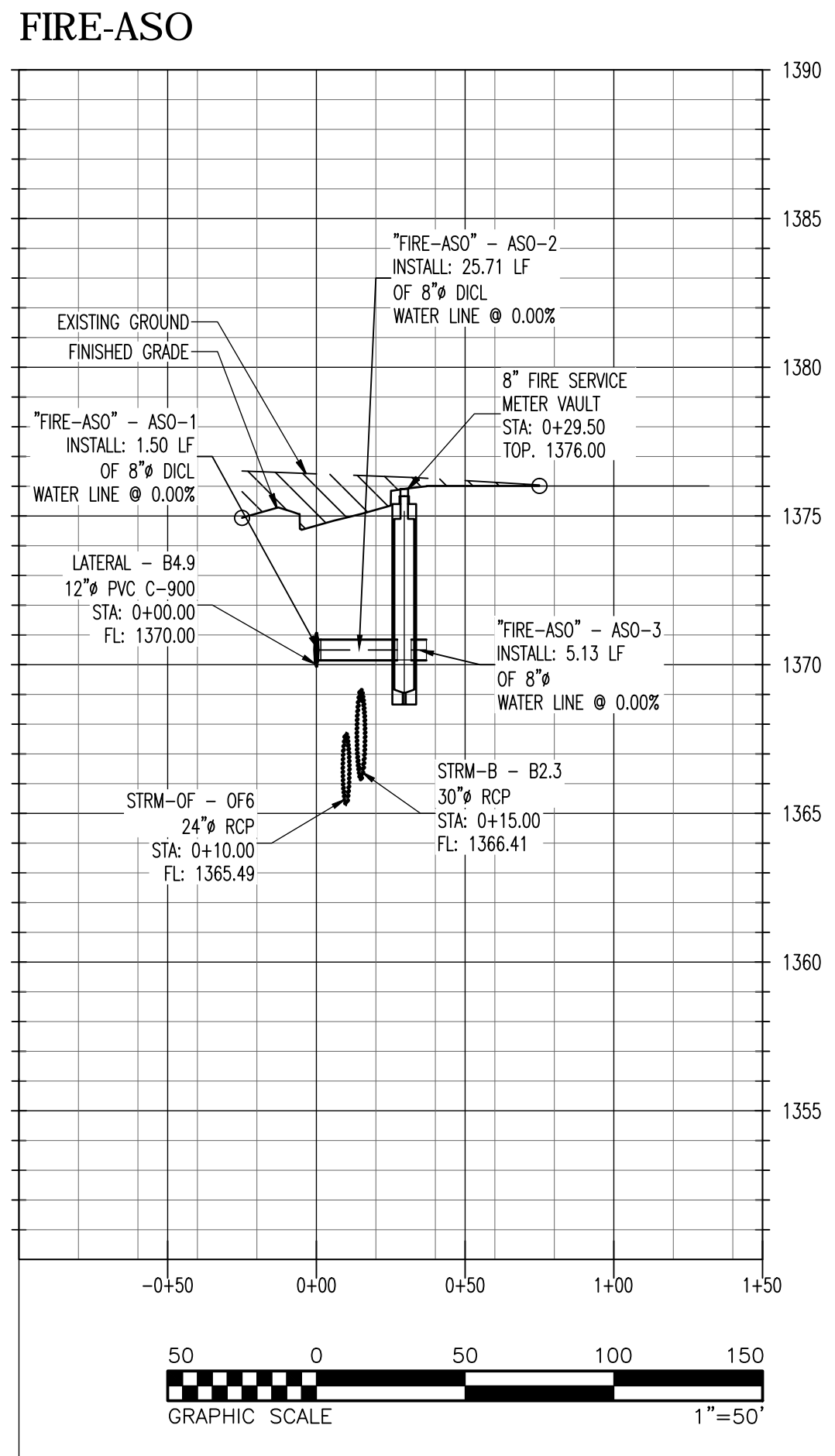
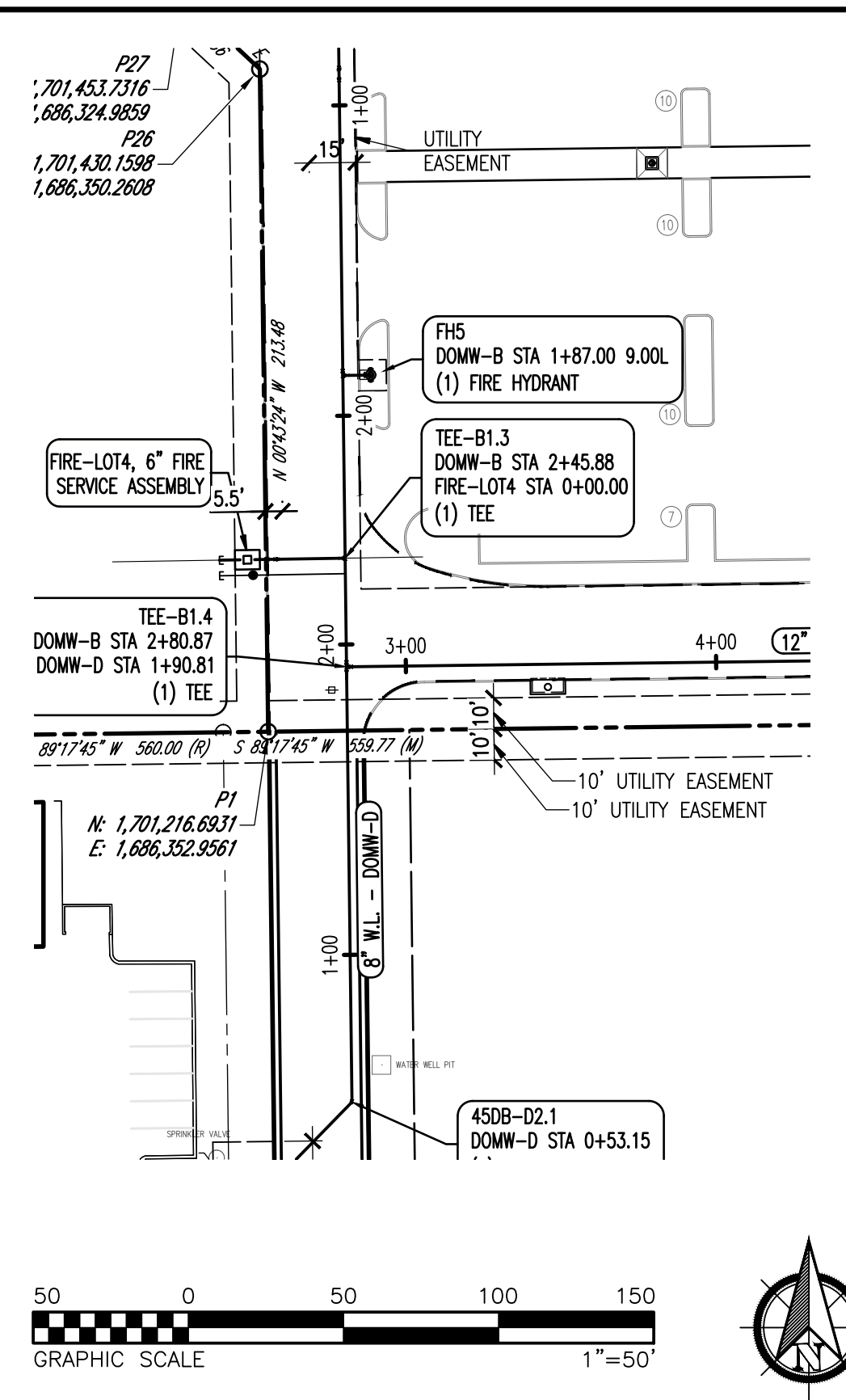
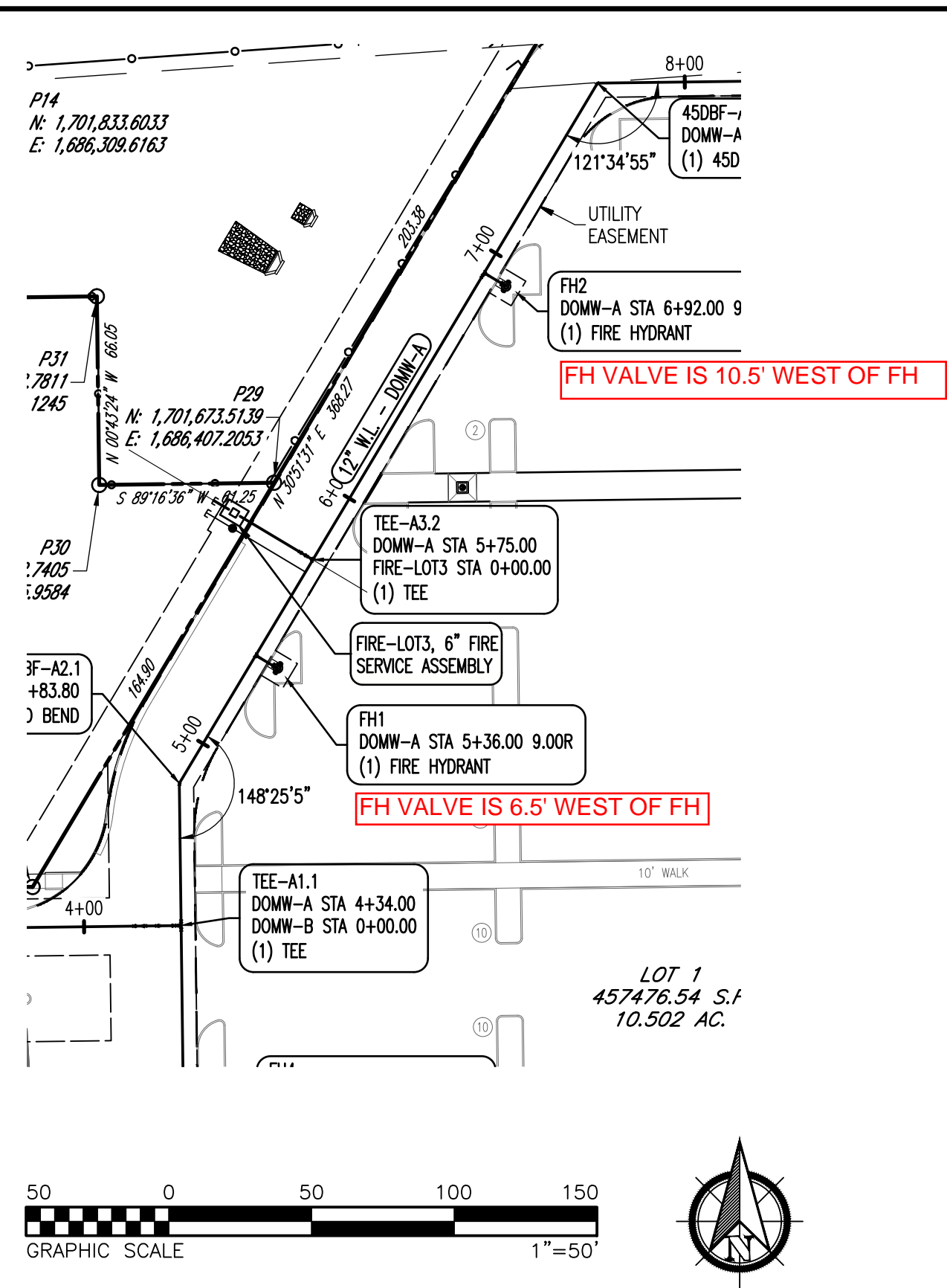
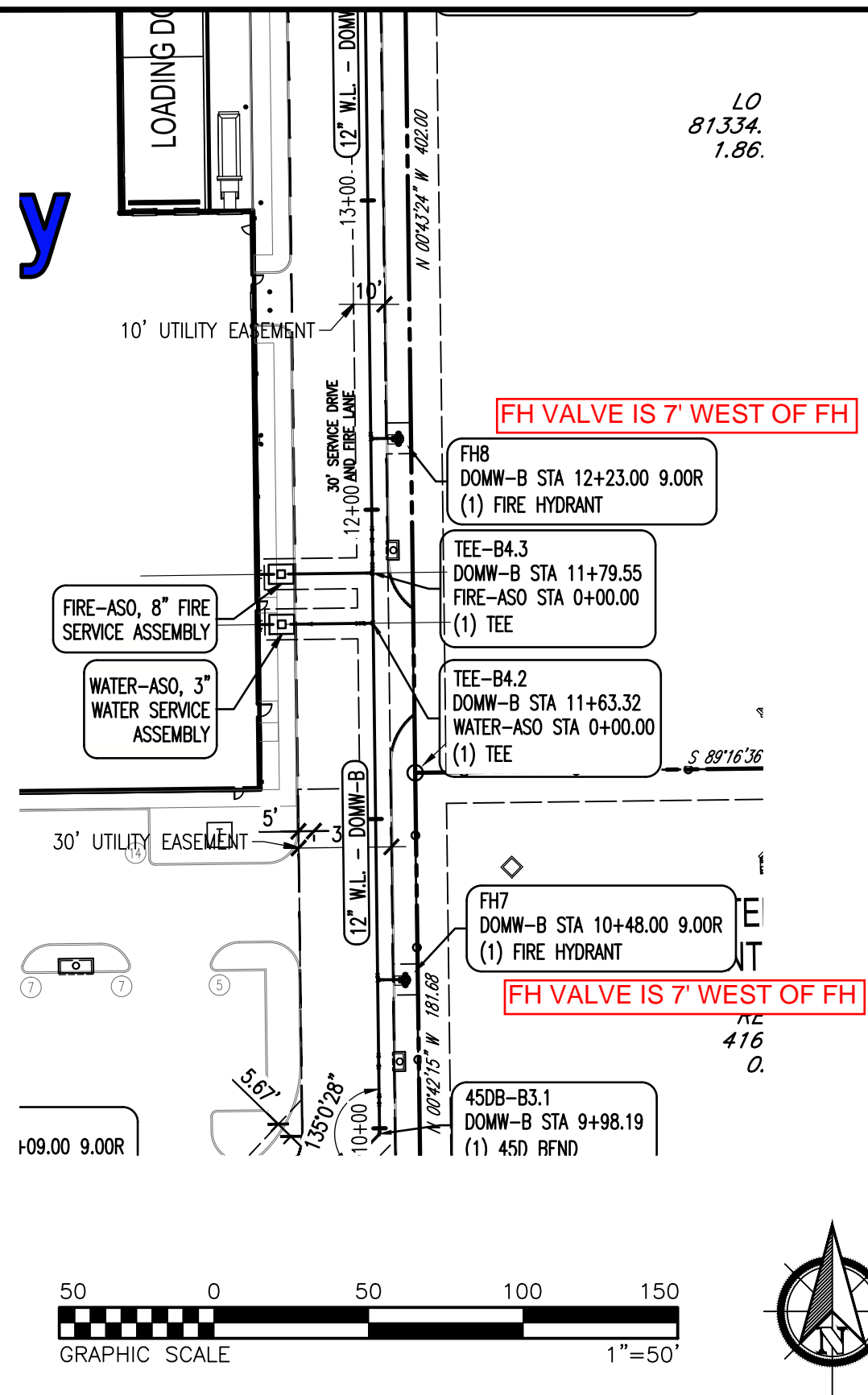


WATER LINES PARTIAL PLAN & PROFILE
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9	08.29.2014	FOR PERMIT

DATE: AUGUST 29, 2014
 SCALE: 1"=50'
 JOB NUMBER: 12-09
 DRAWING NUMBER: **C-5.4**

AS-BUILT DRAWINGS
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 Inspector: Dakota Zimmerman
 Ruggles & Bohm
 PDF By: DGZ 04/06/2015

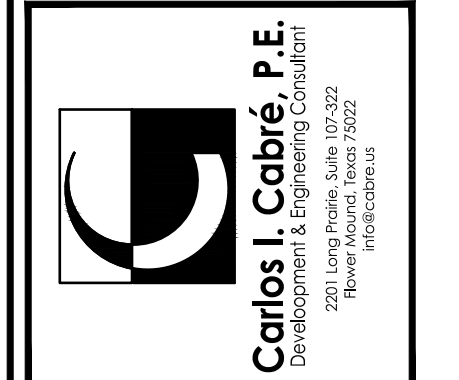


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DATE: AUGUST 29, 2014
 SCALE: 1"=50'
 JOB NUMBER: 12-09
 DRAWING NUMBER: C-5.5

WICHITA CROSSING
 A PORTION OF LOT 1 AND RESERVE "A",
 KENSINGTON GARDENS
 CITY OF WICHITA, SEDGWICK COUNTY, KANSAS

THE SEITZ GROUP
 DEVELOPMENT & SALE OF REAL PROPERTIES
 5729 LEBANON ROAD, SUITE 144
 FRISCO, TX 75034
 T. 214-705-1078 F. 214-407-8912

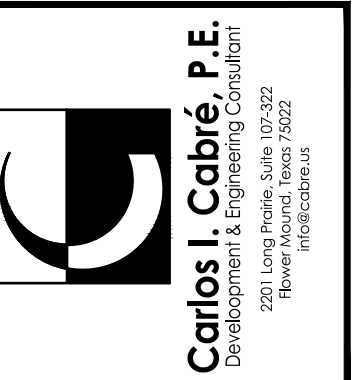
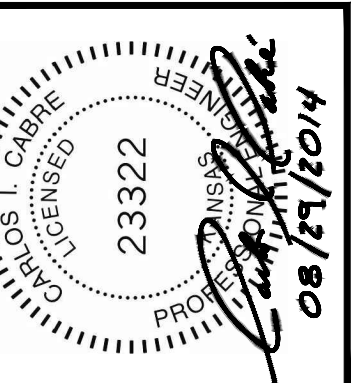


DRAWING TITLE: SERVICE LINES PLANS & PROFILES
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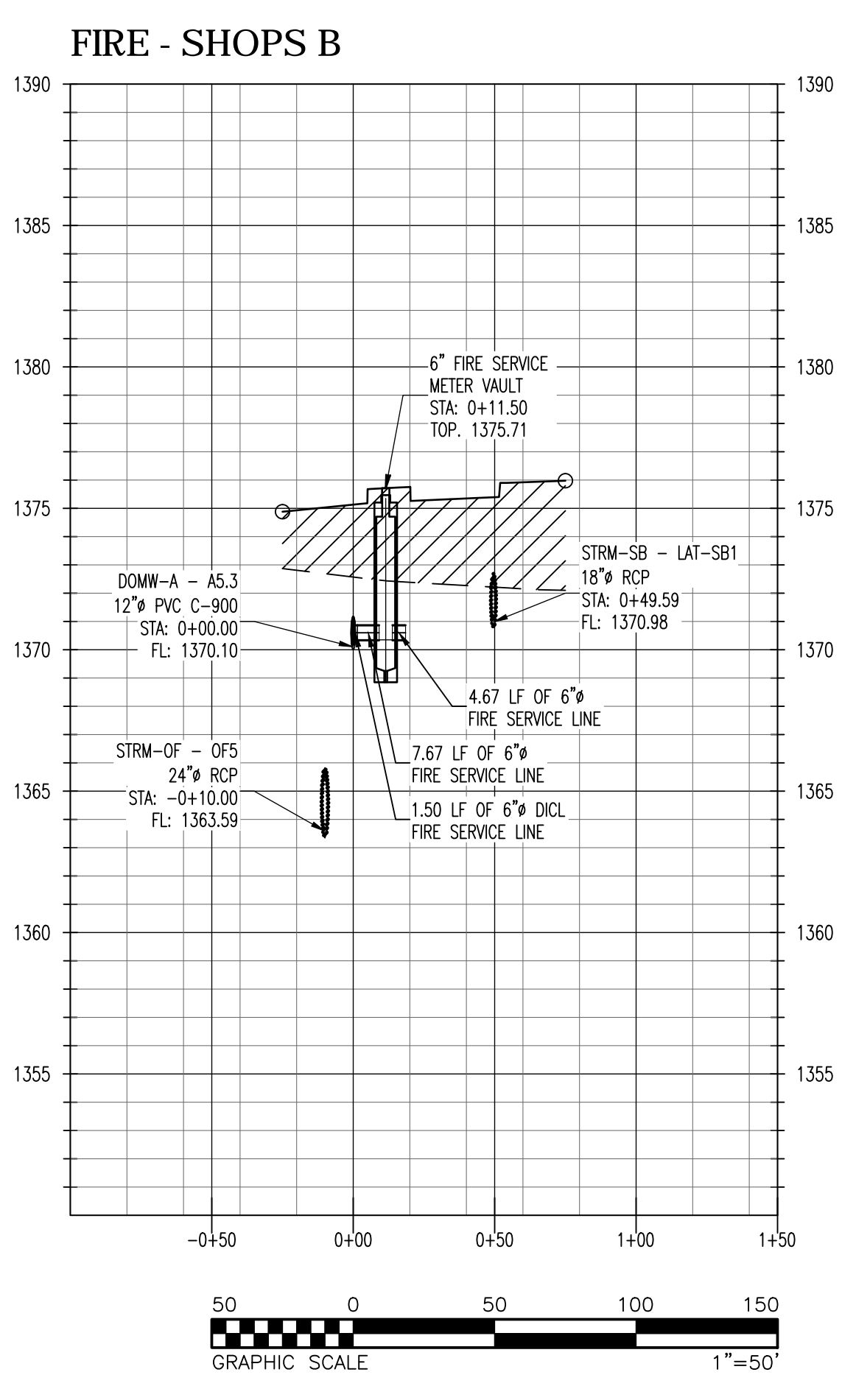
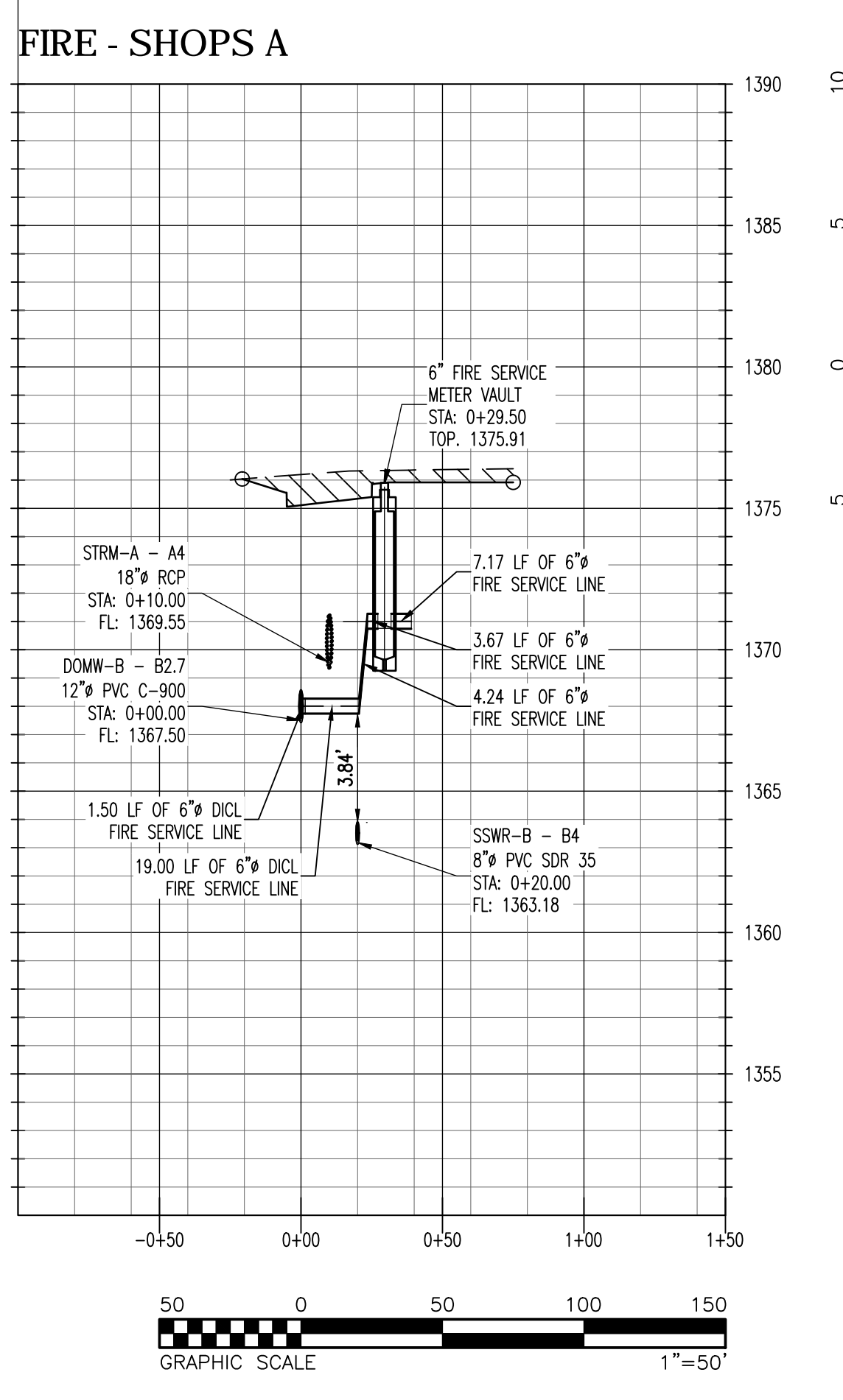
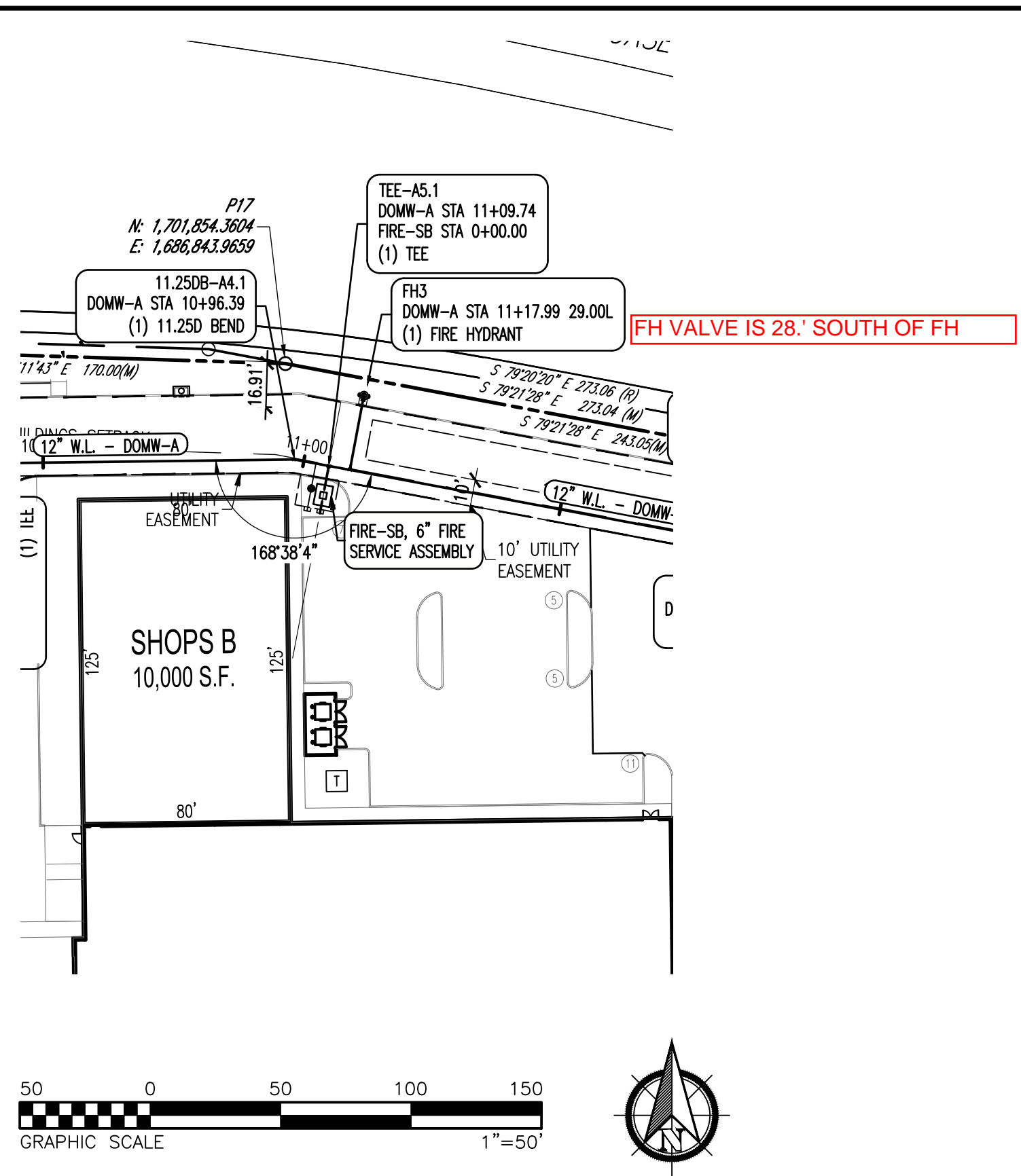
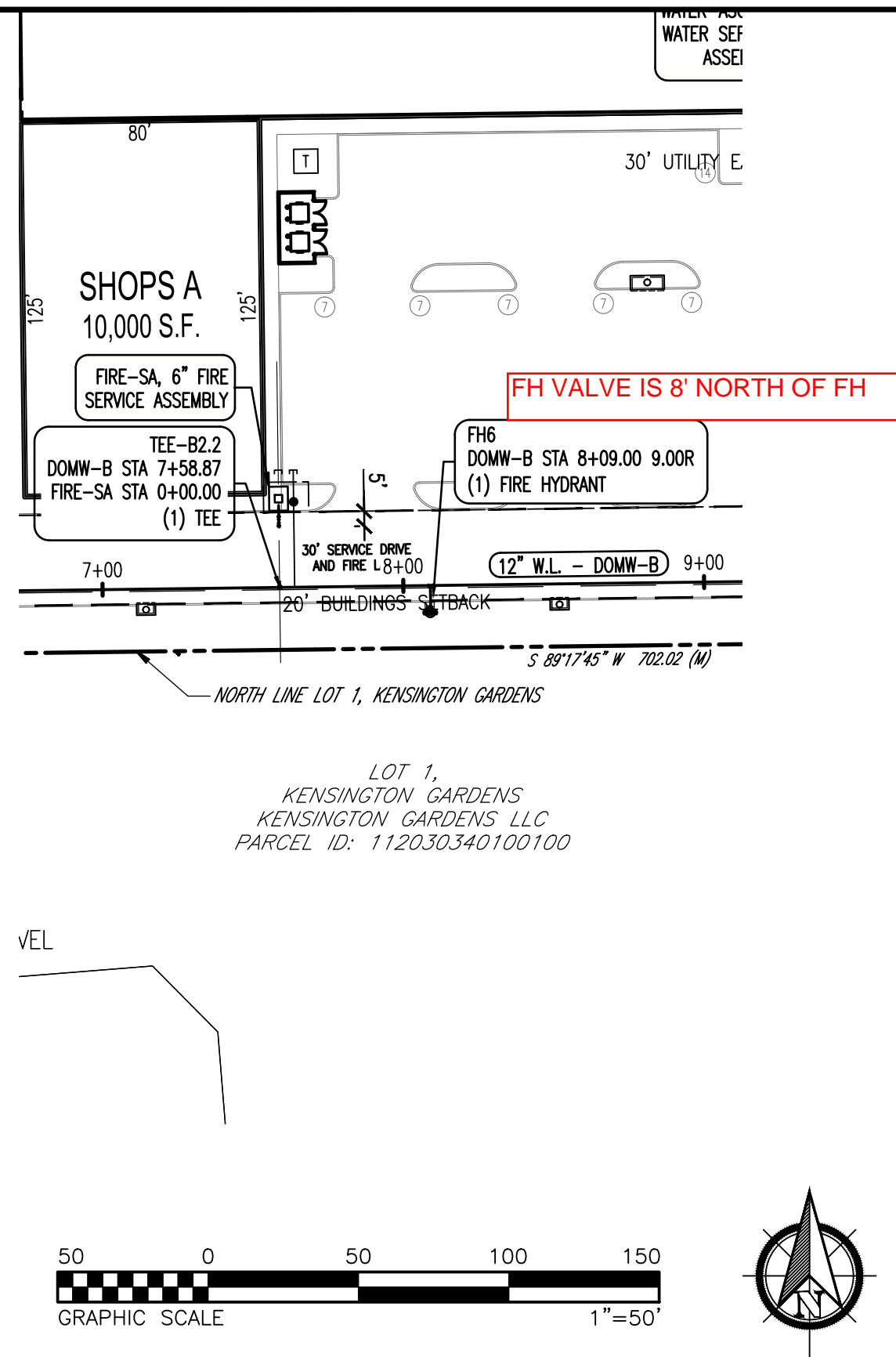
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 PDF By: DGZ 04/06/2015

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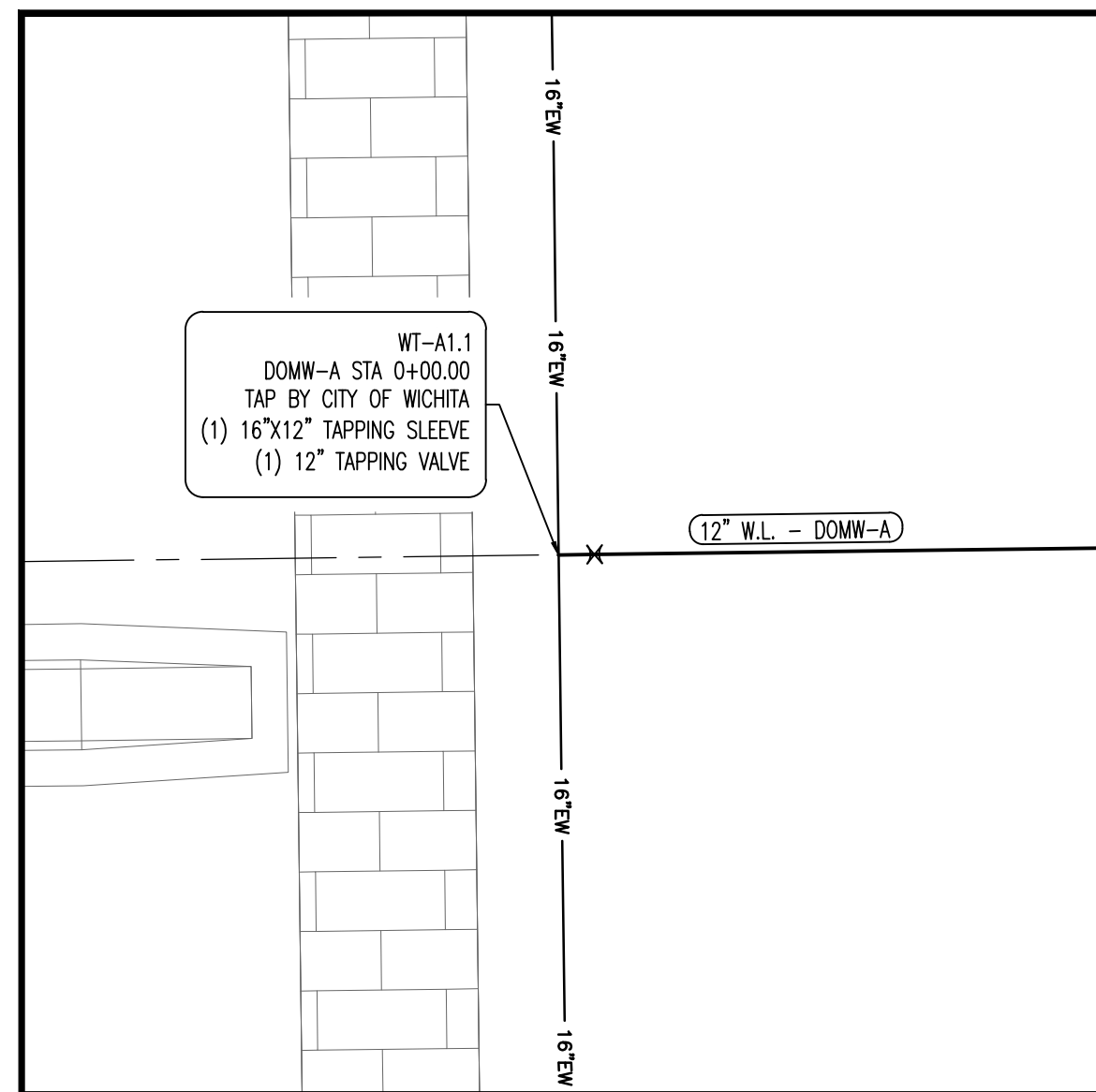
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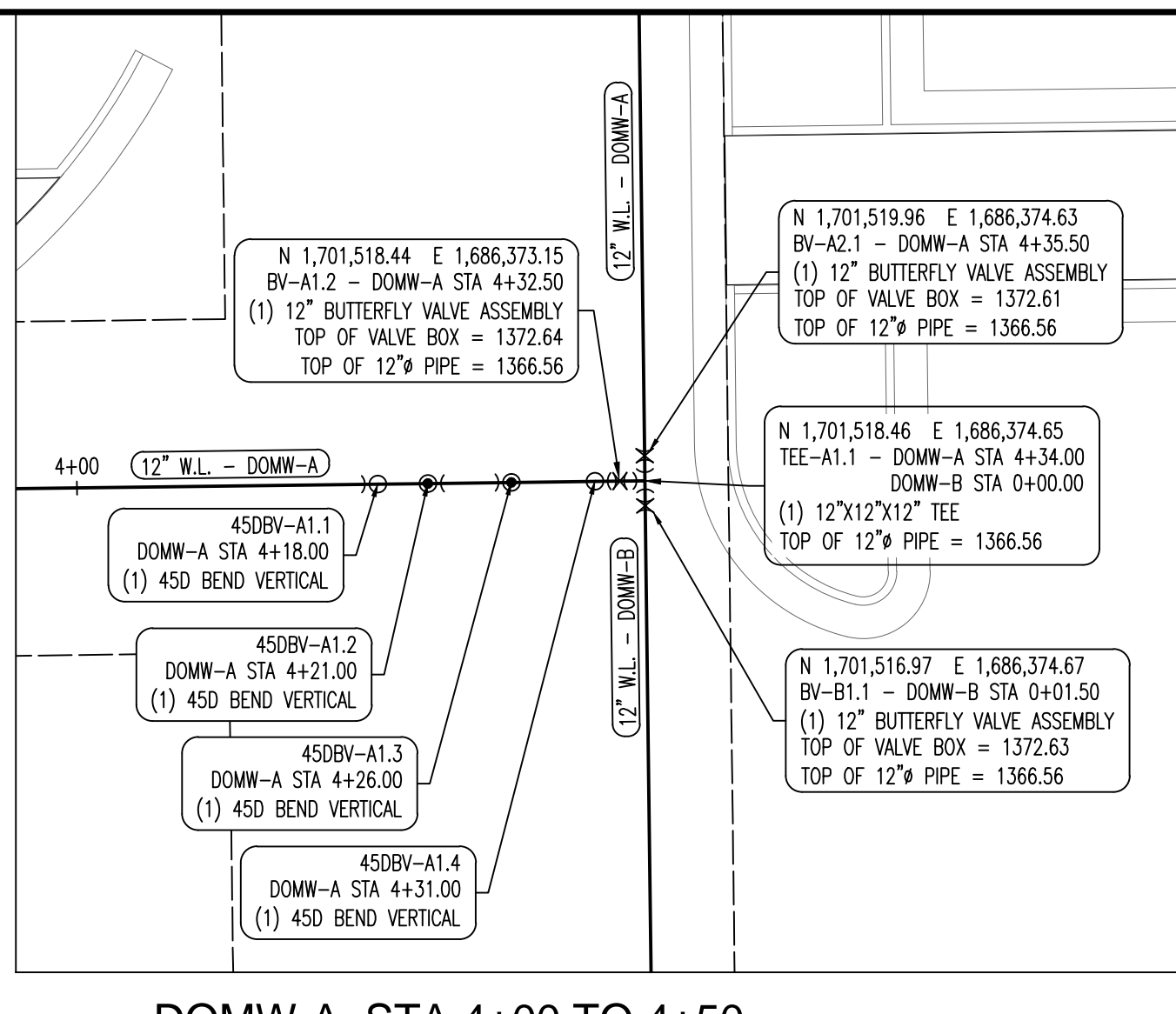
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8	08.28.2014	FOR PERMIT
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DATE: AUGUST 29, 2014
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 JOB NUMBER: 12-09
 DRAWING NUMBER:

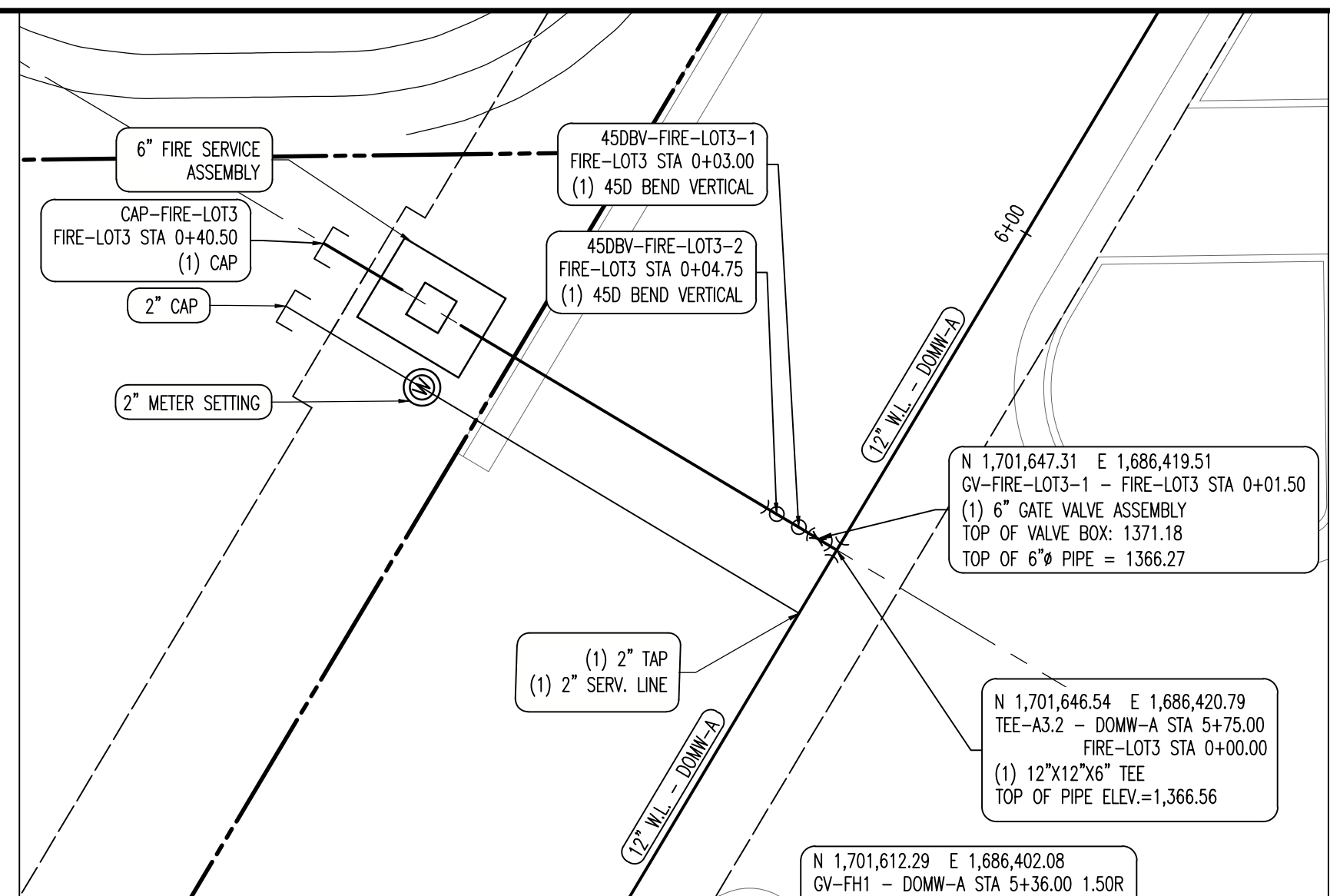
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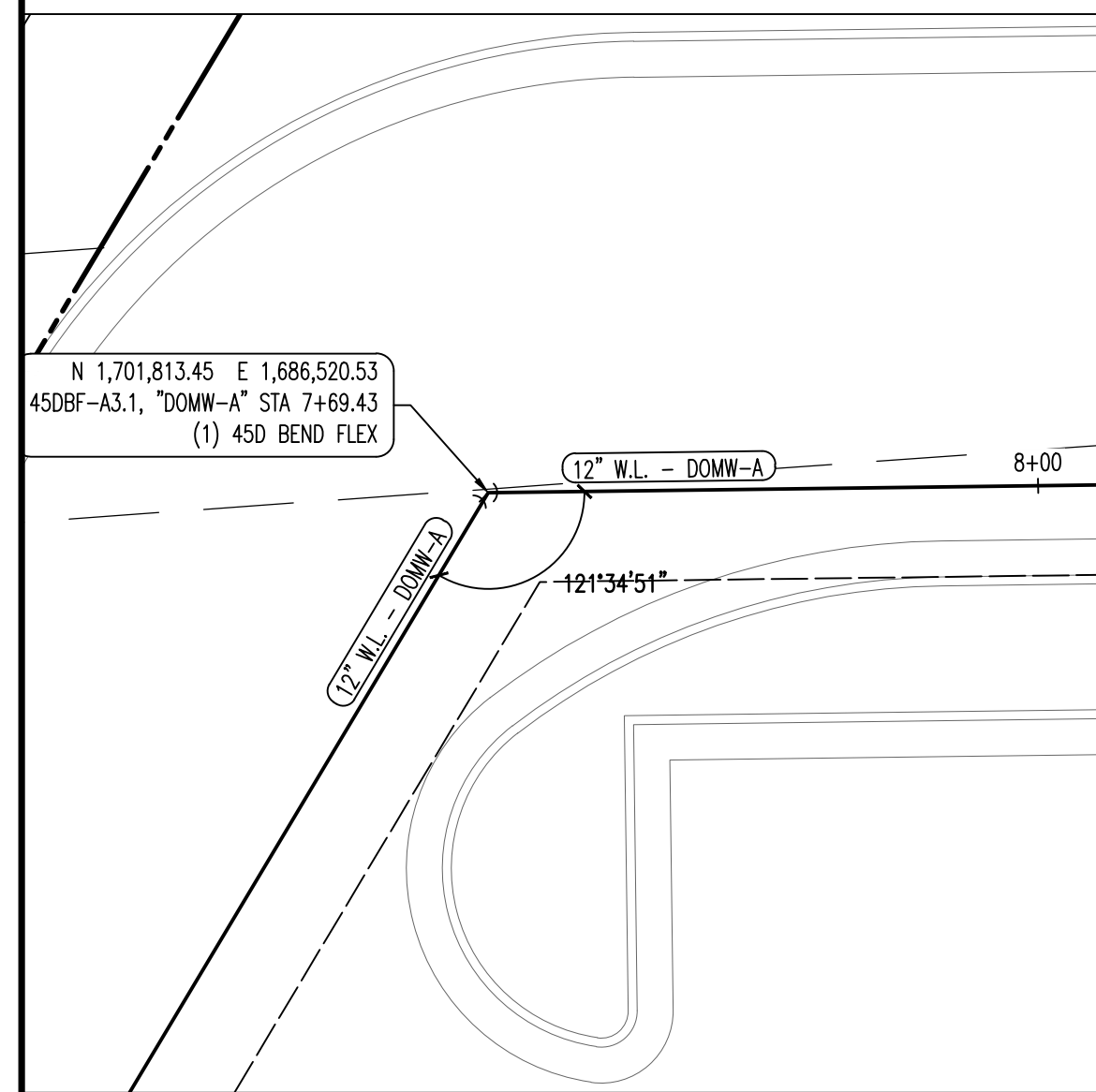
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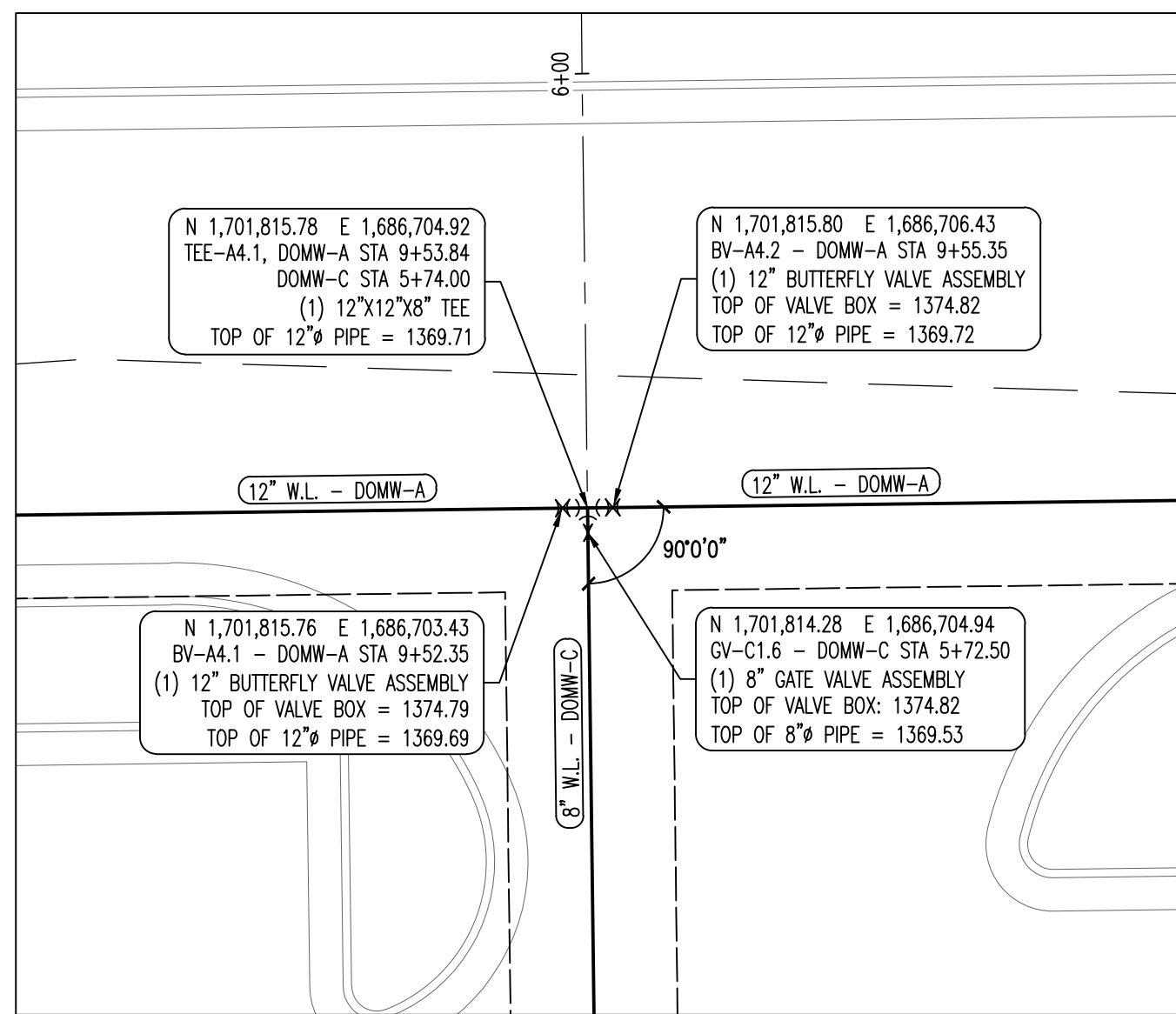
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DOMW-B STA 0+00 TO 0+40
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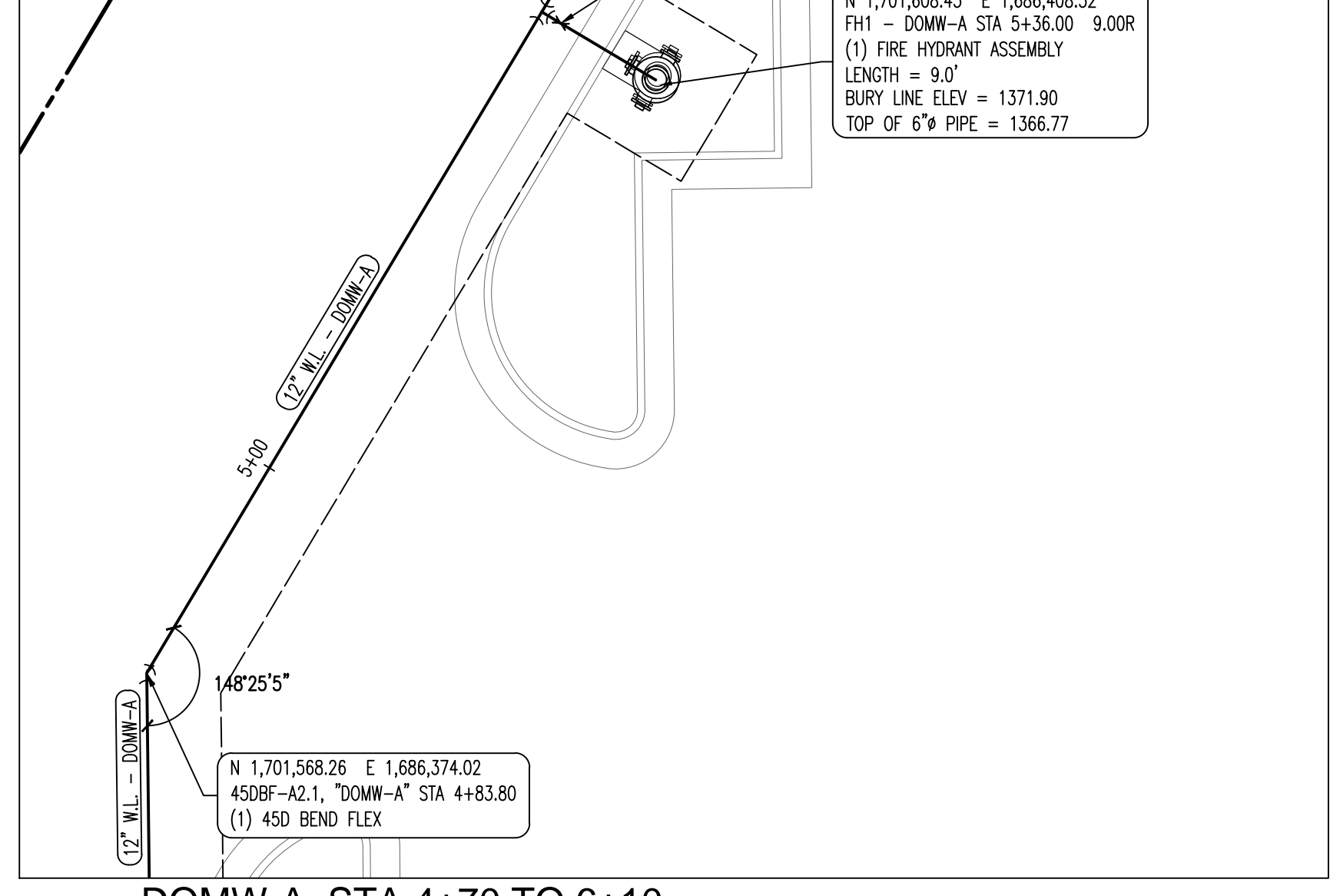
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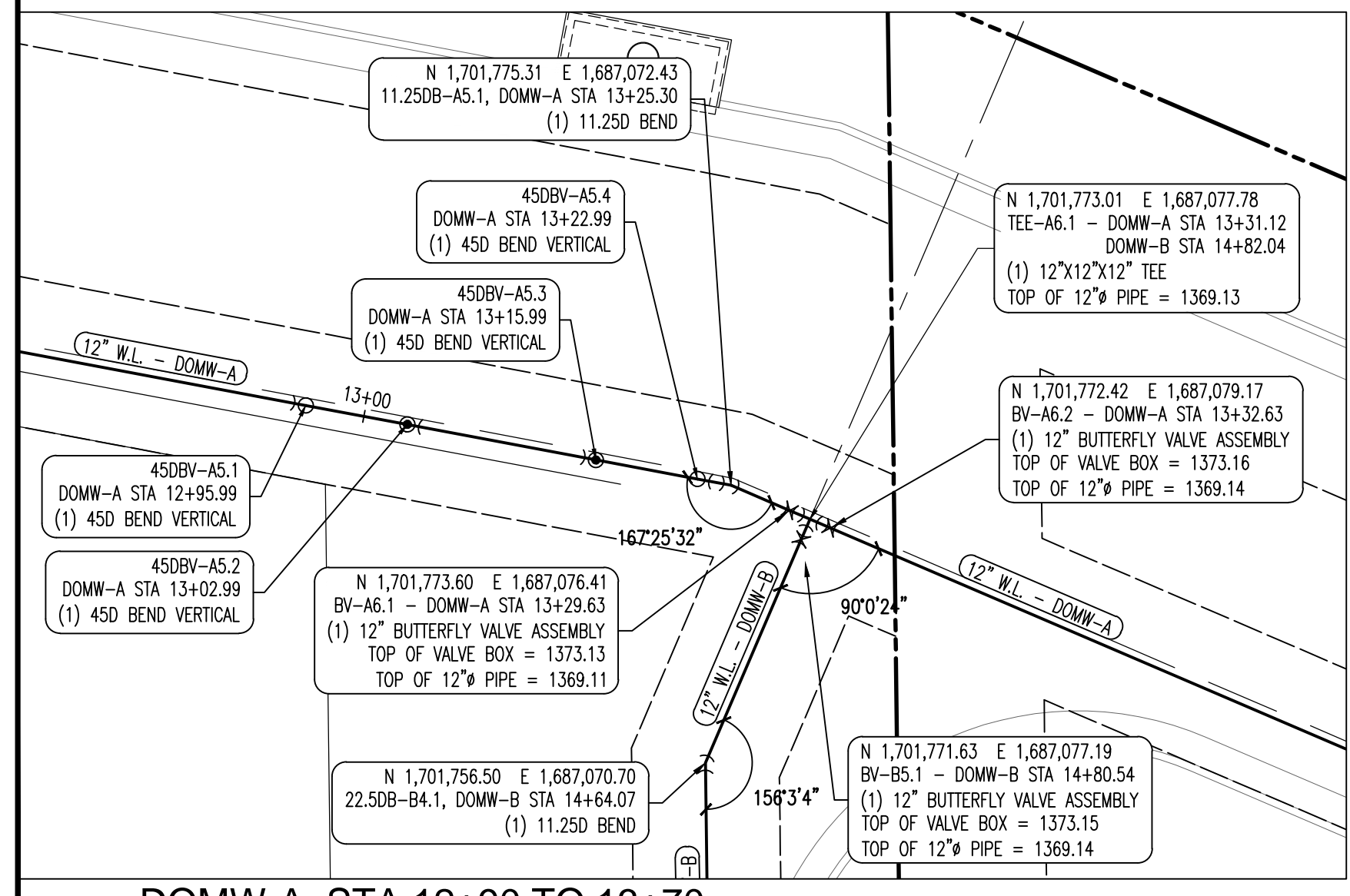
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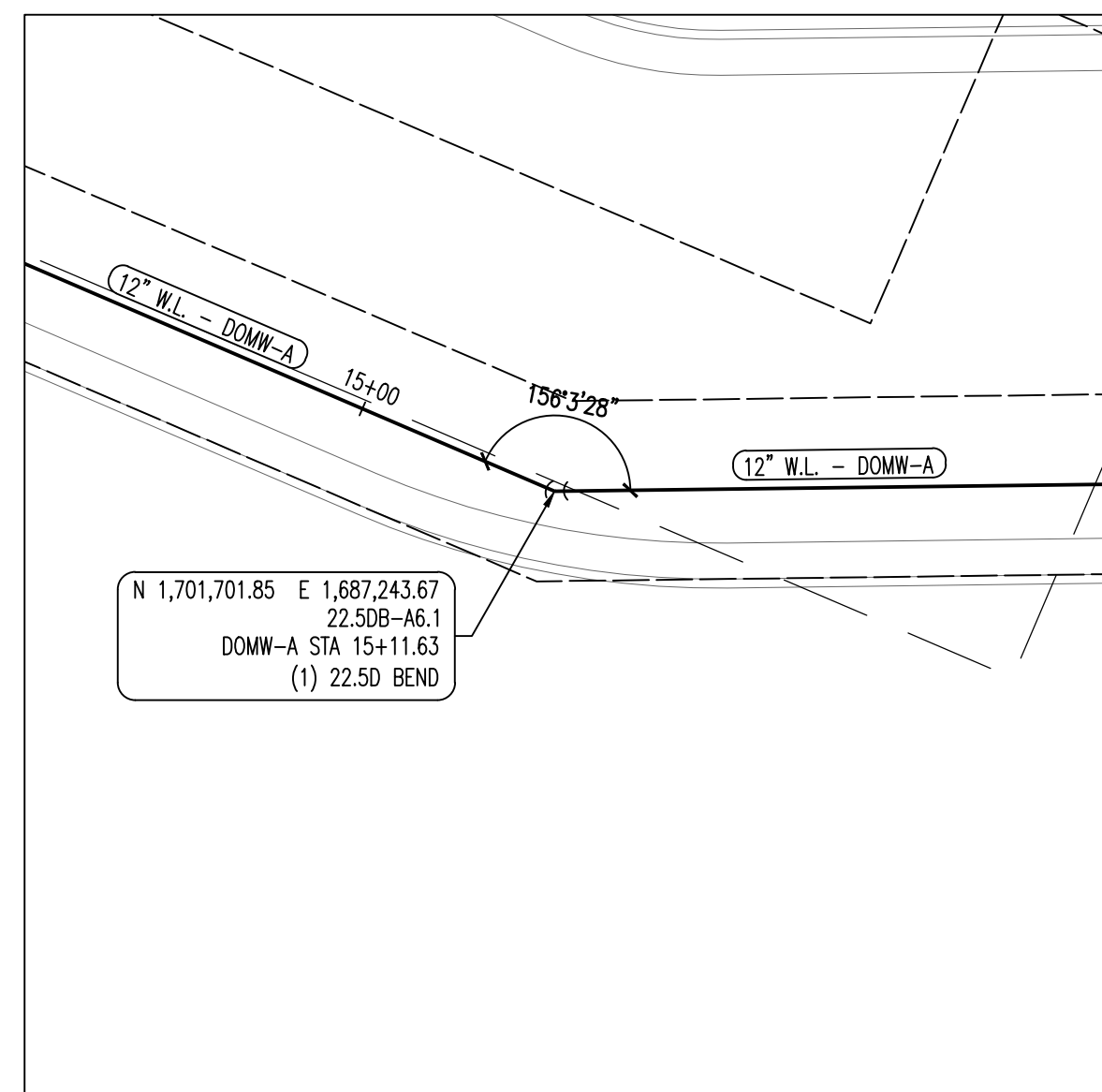
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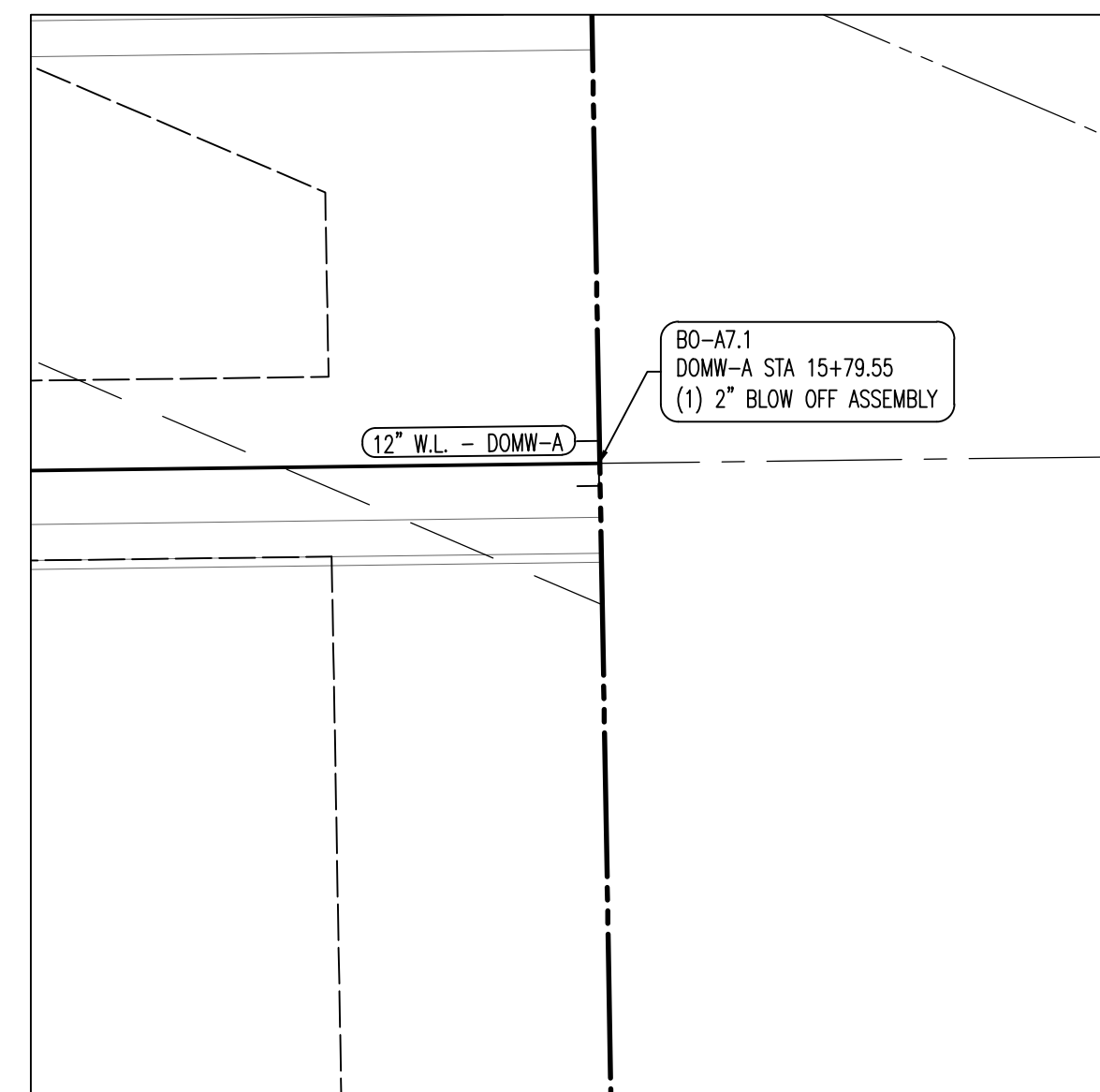
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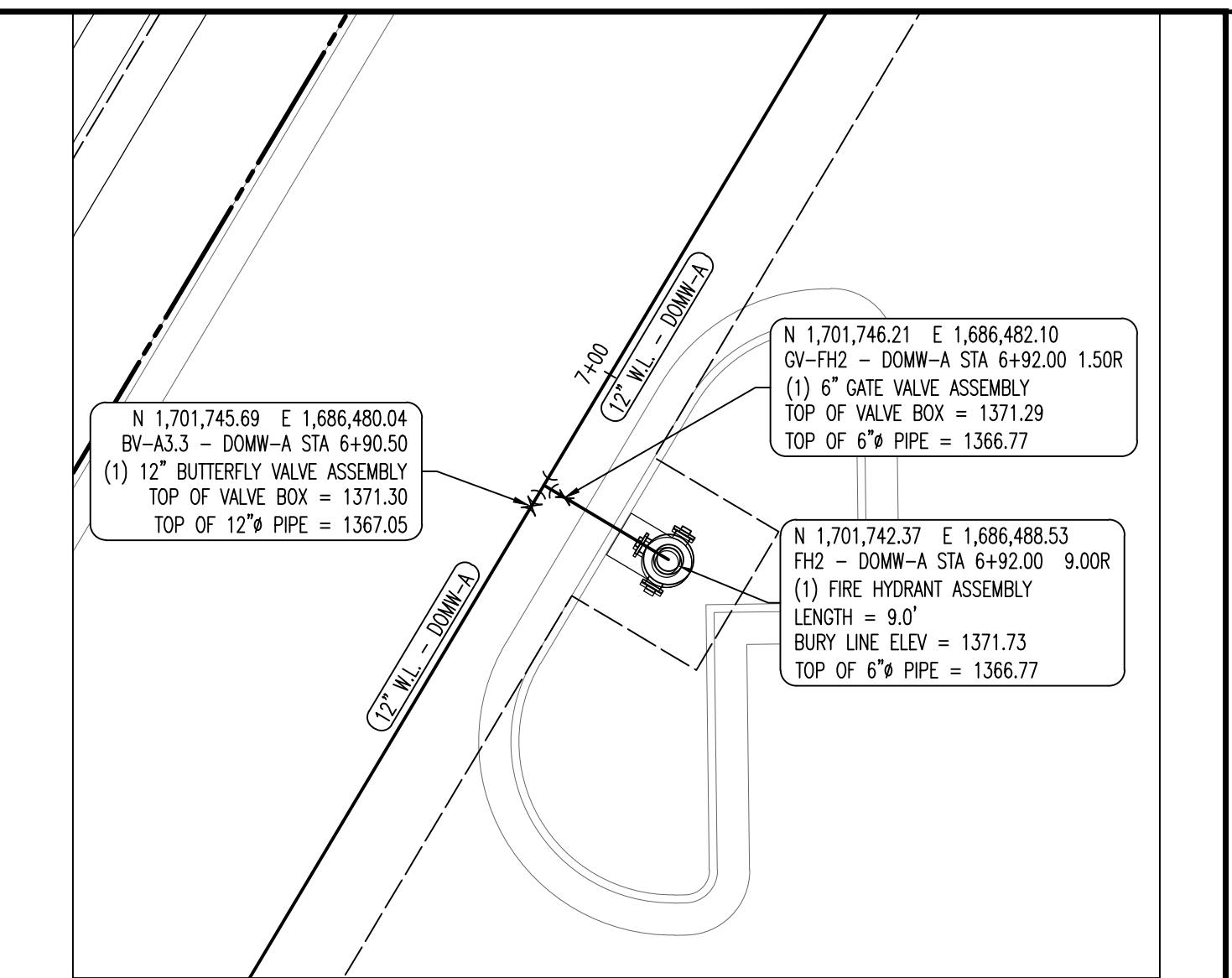
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8 DOMW-A STA 14+80 TO 15+40
SCALE: 1"=10'-0"



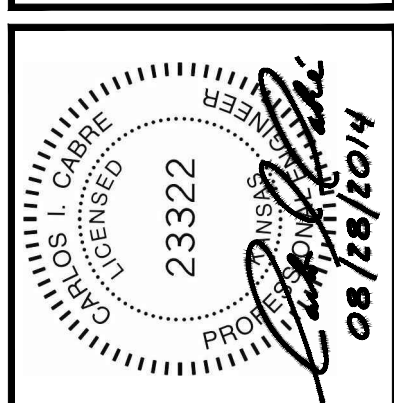
9 DOMW-A STA 15+50 TO 15+79.55
SCALE: 1"=10'-0"

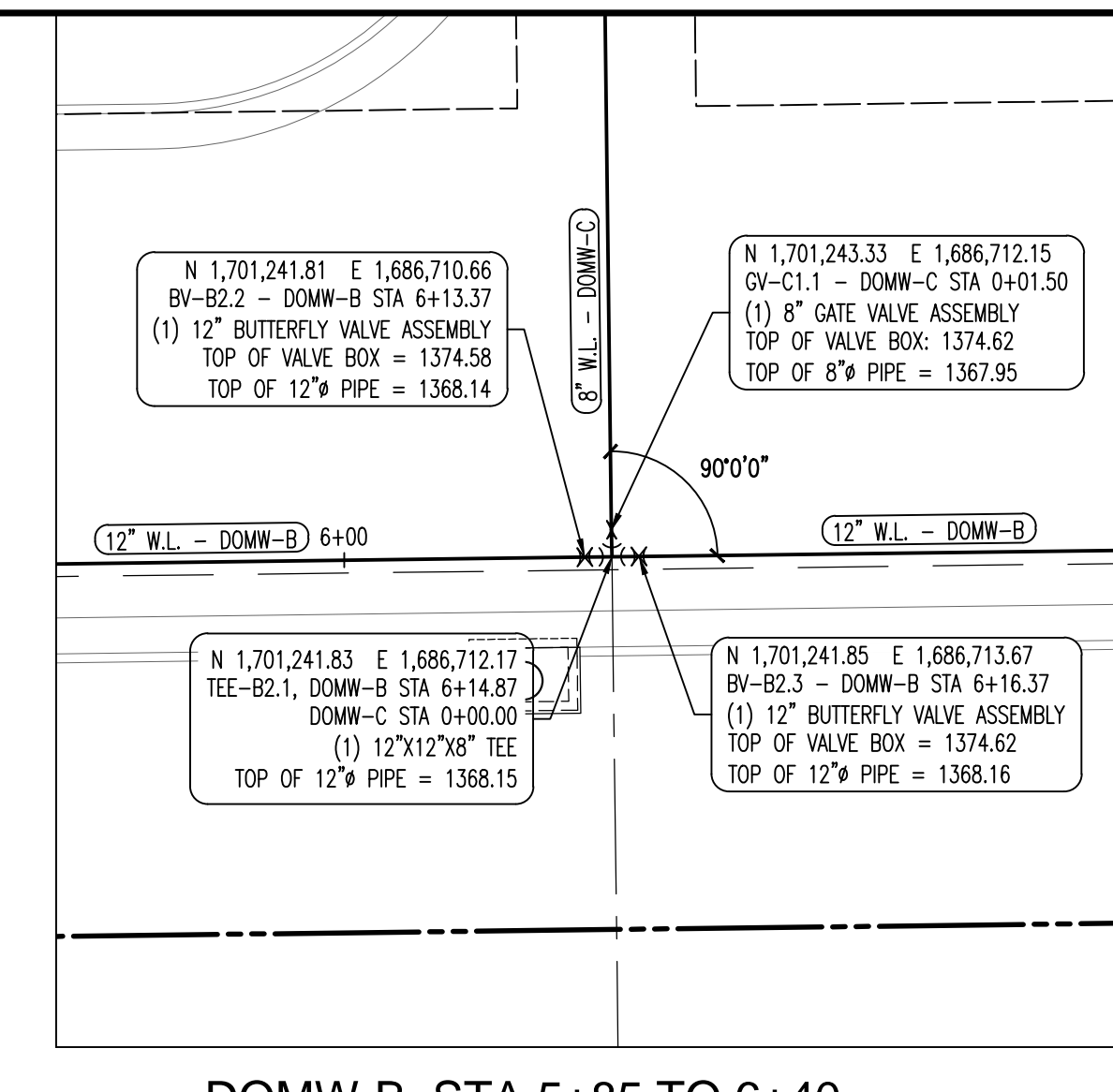
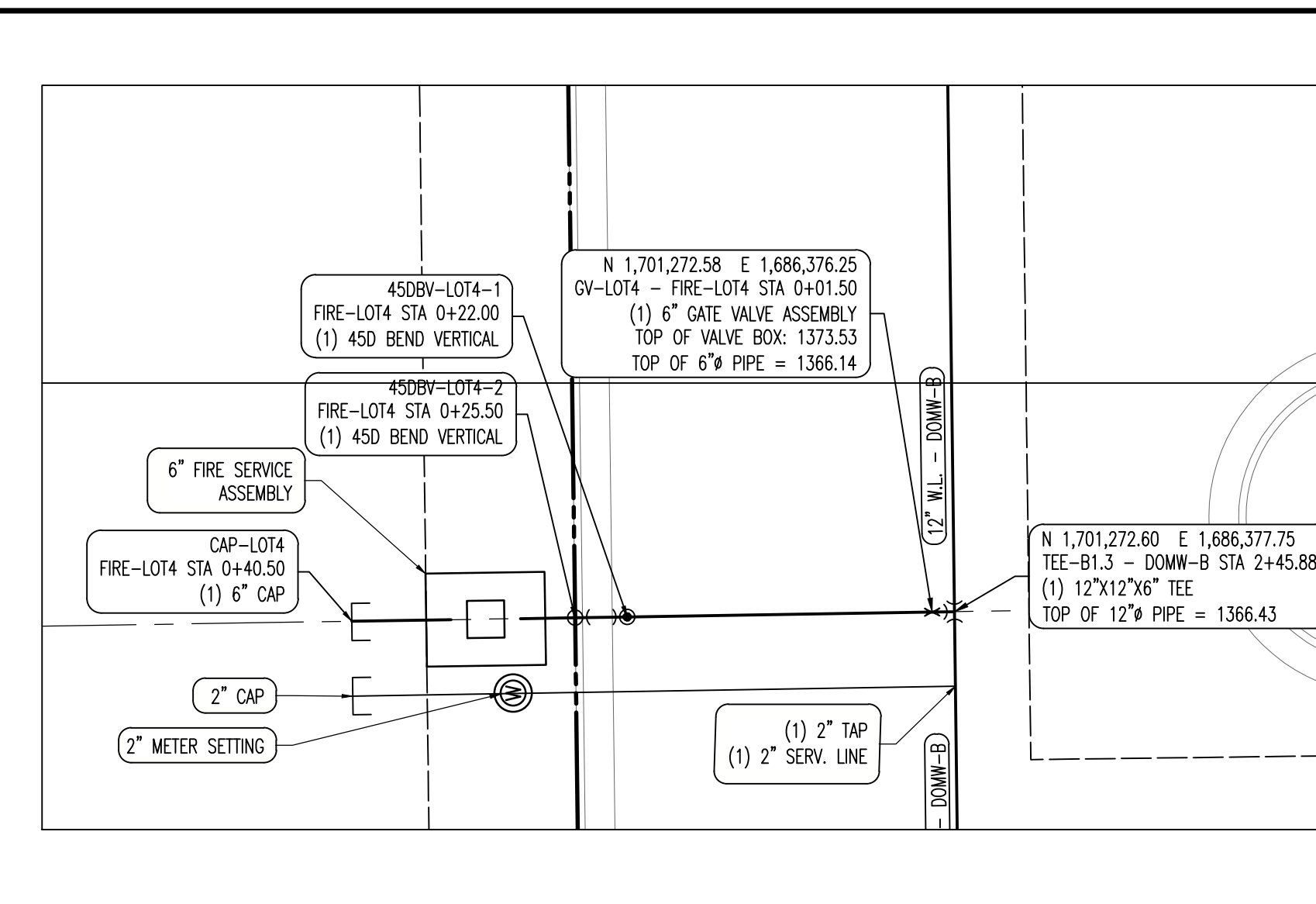
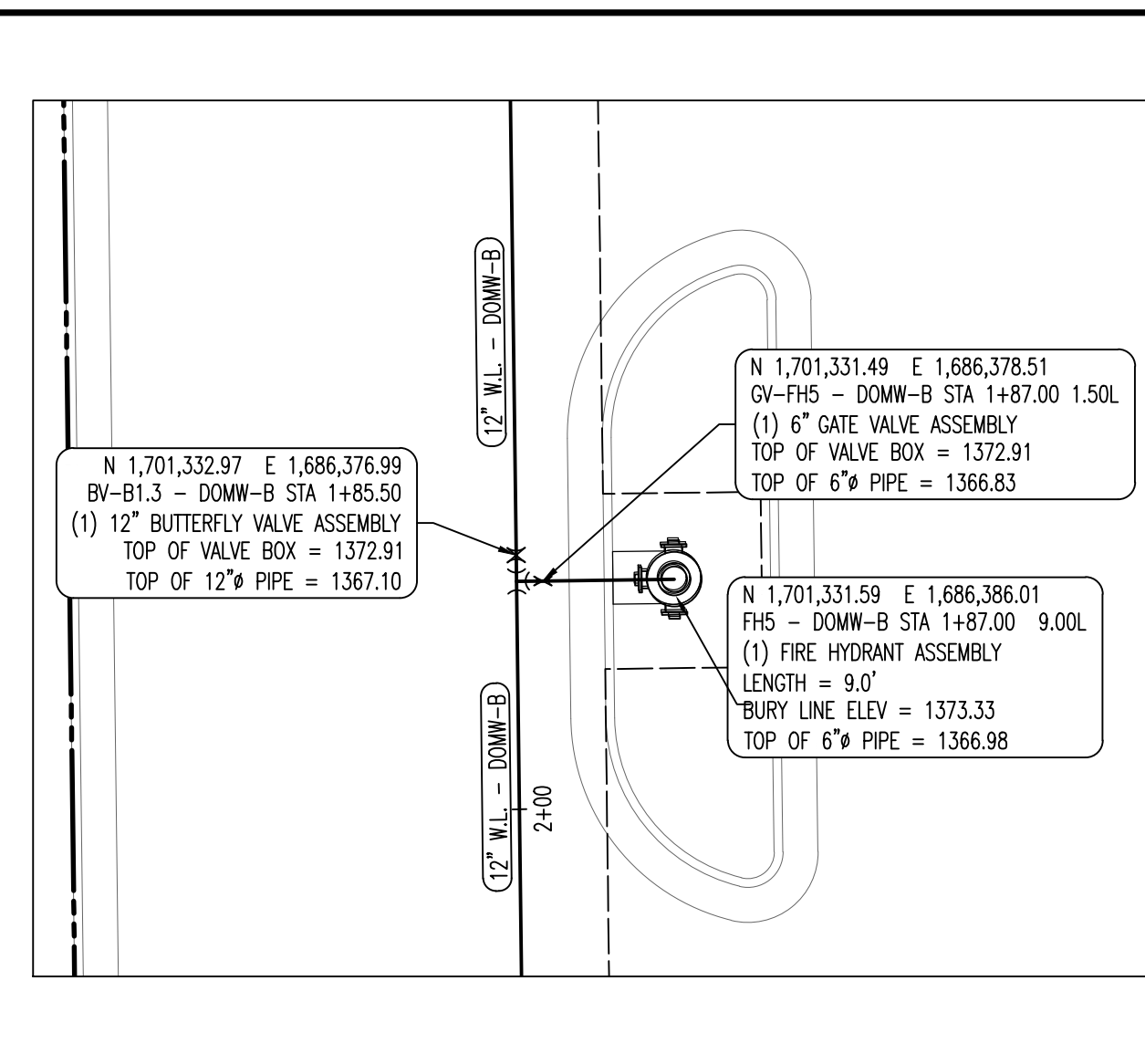
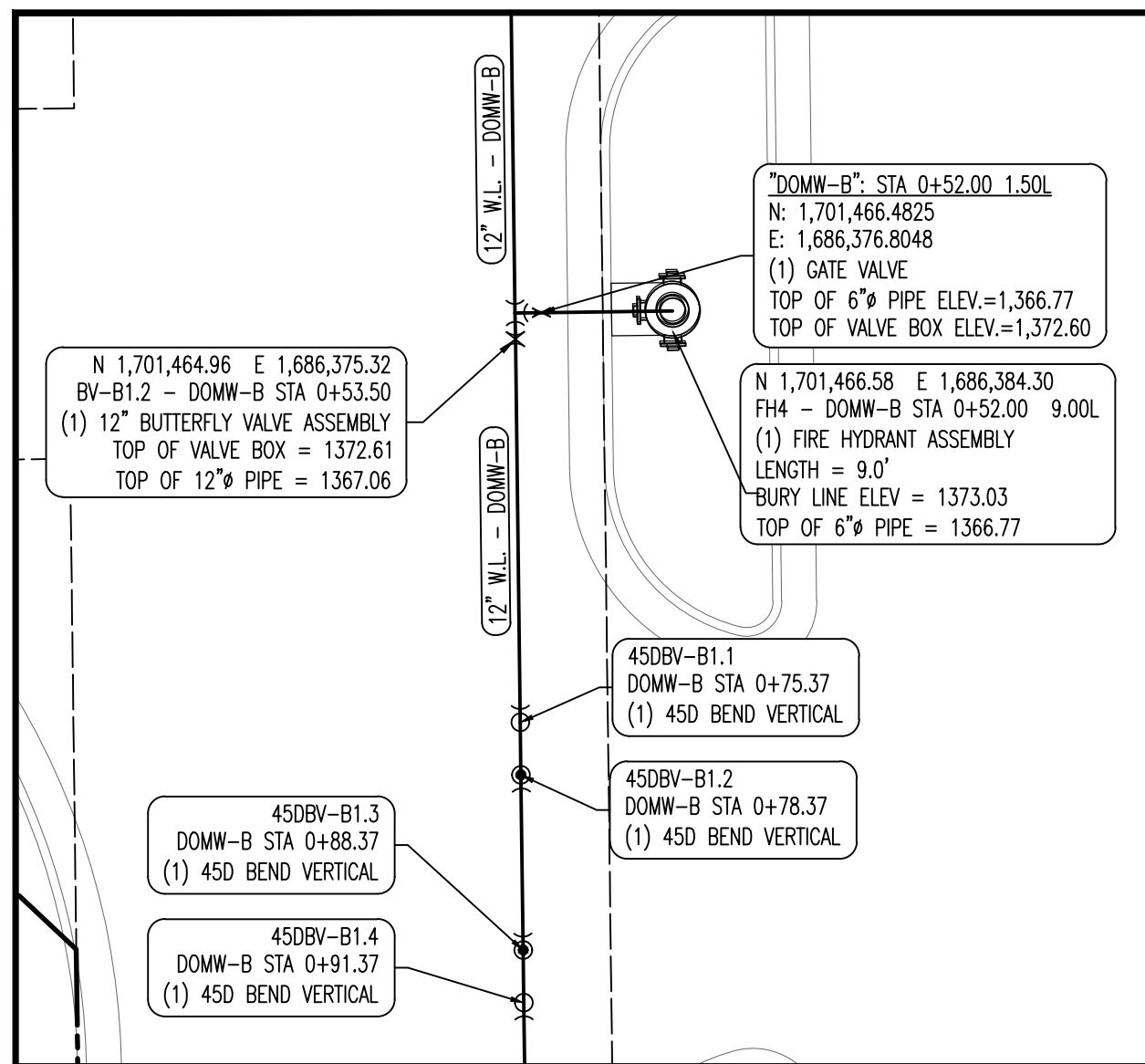


10 DOMW-A STA 10+80 TO 11+40
FIRE-SB STA 0+00 TO 0+18.50
SCALE: 1"=10'-0"

AS-BUILT DRAWINGS
Contractor: Mccullough Excavation
Inspector: Dakota Zimmerman
Ruggles & Bohm
PDF By: DGZ 04/06/2015

ISSUES		
NO.	DATE	DESCRIPTION
1	03.04.2014	REVIEW AND PRICING
2	04.23.2014	FOR REVIEW
3	05.27.2014	FOR REVIEW
4	06.13.2014	FOR PERMIT
5	07.09.2014	FOR PERMIT
6	08.11.2014	FOR PERMIT
7	08.25.2014	FOR PERMIT
8	08.28.2014	FOR PERMIT



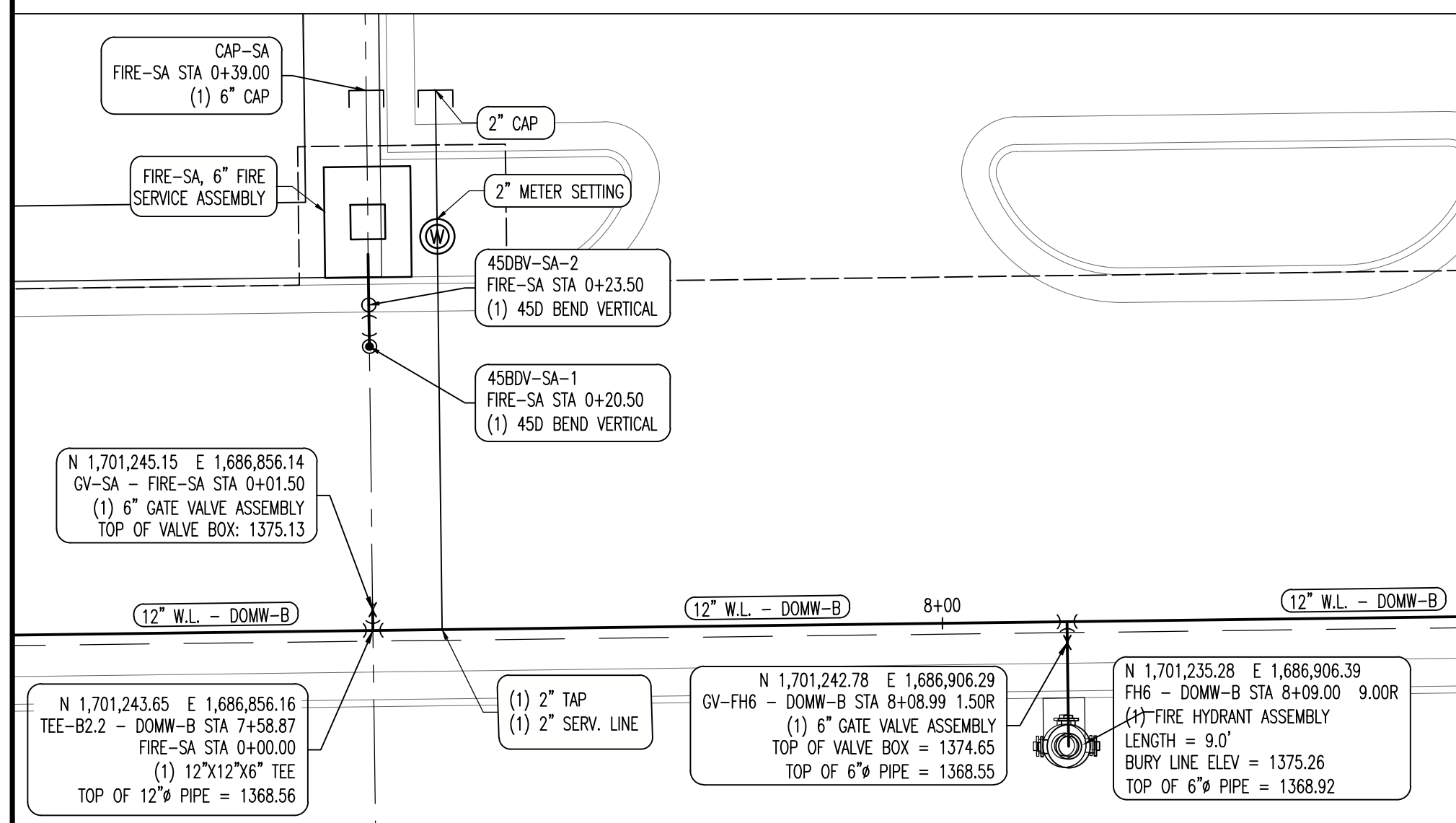


1 DOMW-B STA 0+40 to 0+95
SCALE: 1"=10'-0"

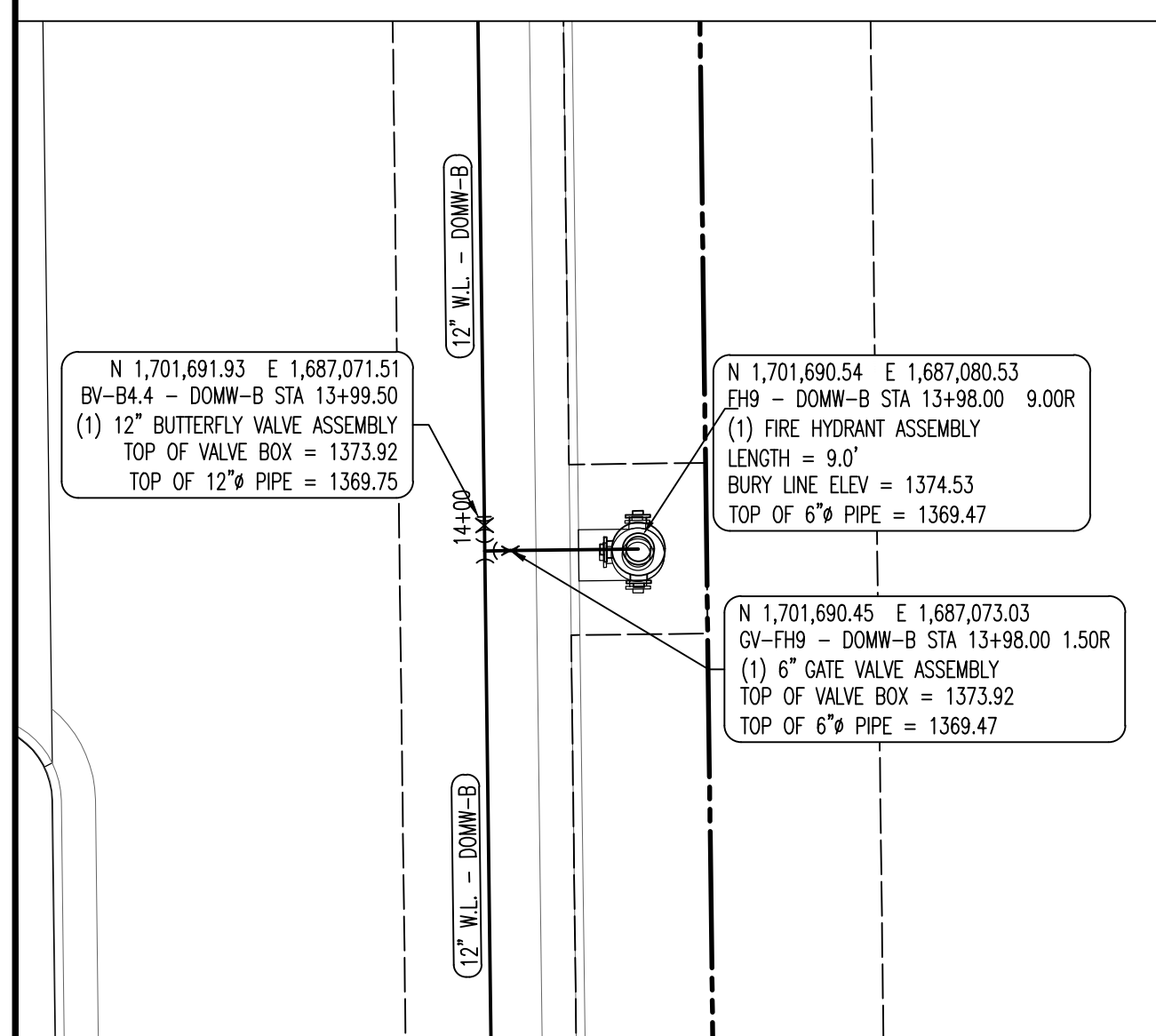
2 DOMW-B STA 1+60 TO 2+10
SCALE: 1"=10'-0"

3 DOMW-B STA 2+10 TO 2+60
SCALE: 1"=10'-0"

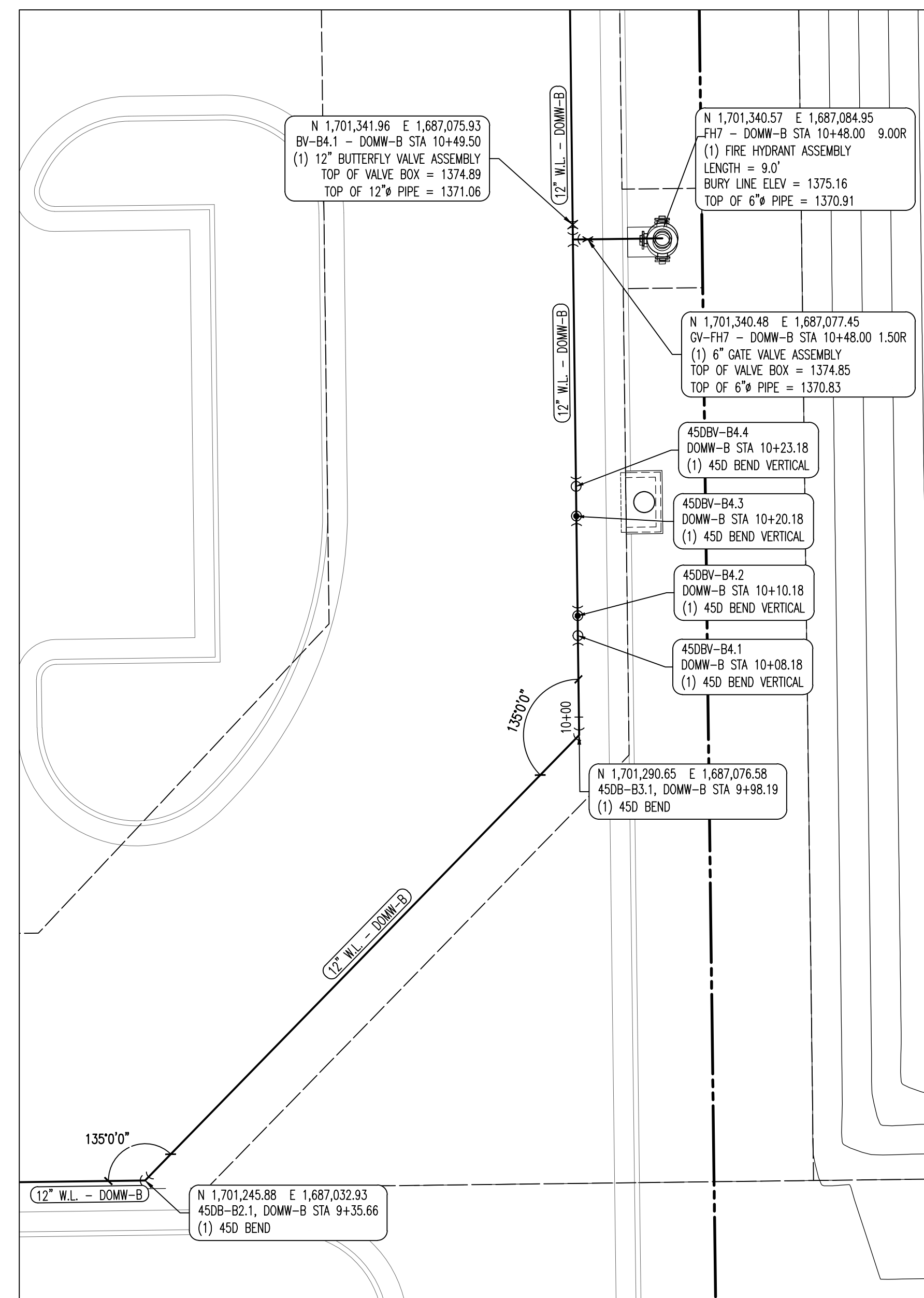
4 DOMW-B STA 5+85 TO 6+40
DOMW-C STA 0+00 TO 0+30
SCALE: 1"=10'-0"



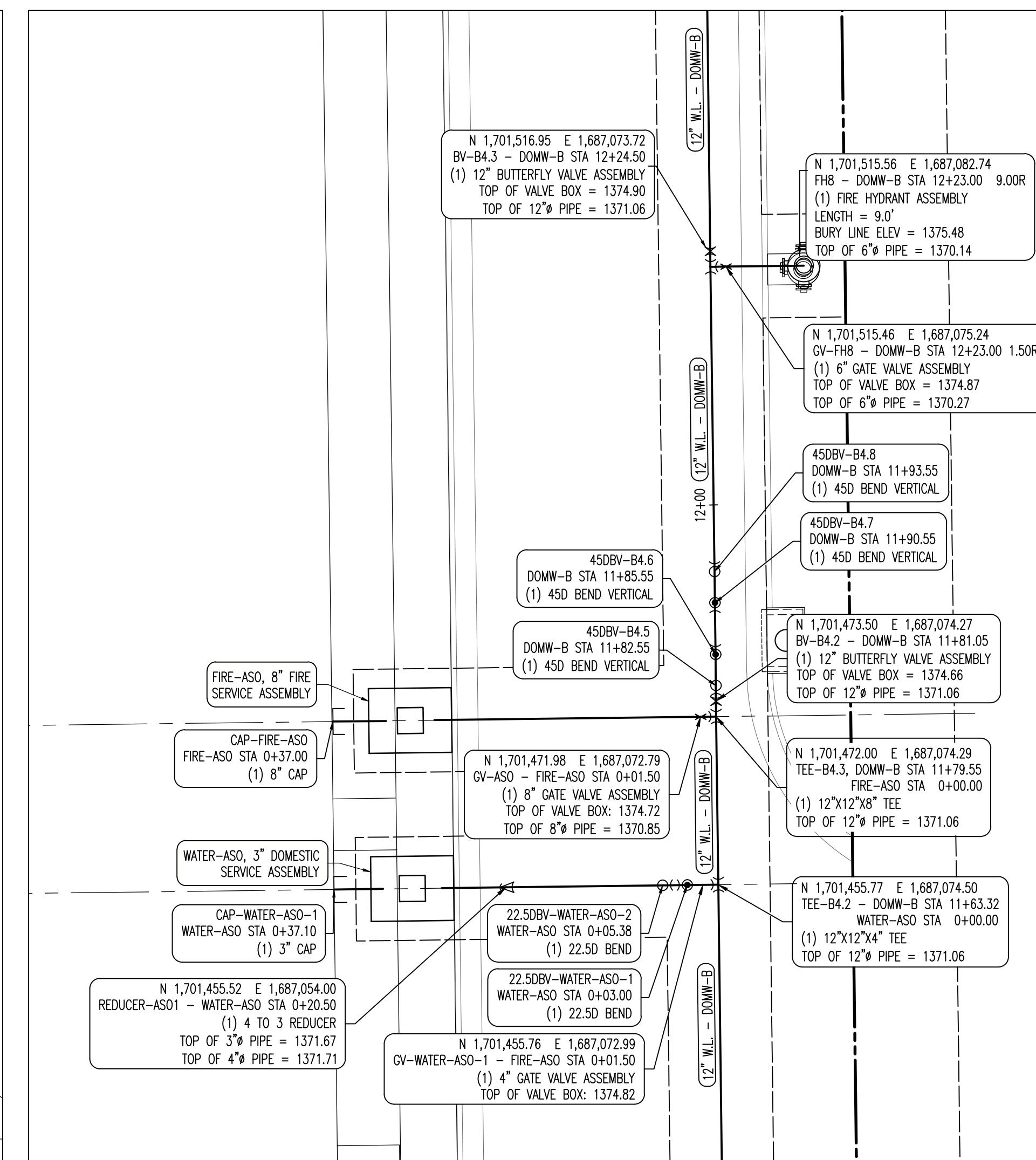
5 DOMW-B STA 7+30 TO 8+40
FIRE-SA STA 0+00 TO 0+39
SCALE: 1"=10'-0"



6 DOMW-B STA 13+70 TO 14+30
SCALE: 1"=10'-0"



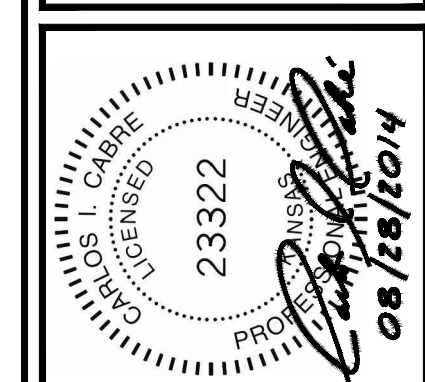
7 DOMW-B STA 9+20 TO 10+65
SCALE: 1"=10'-0"



8 DOMW-B STA 11+40 TO 12+45
FIRE-ASO STA 0+00 TO 0+37
WATER-ASO STA 0+00 TO 0+37
SCALE: 1"=10'-0"

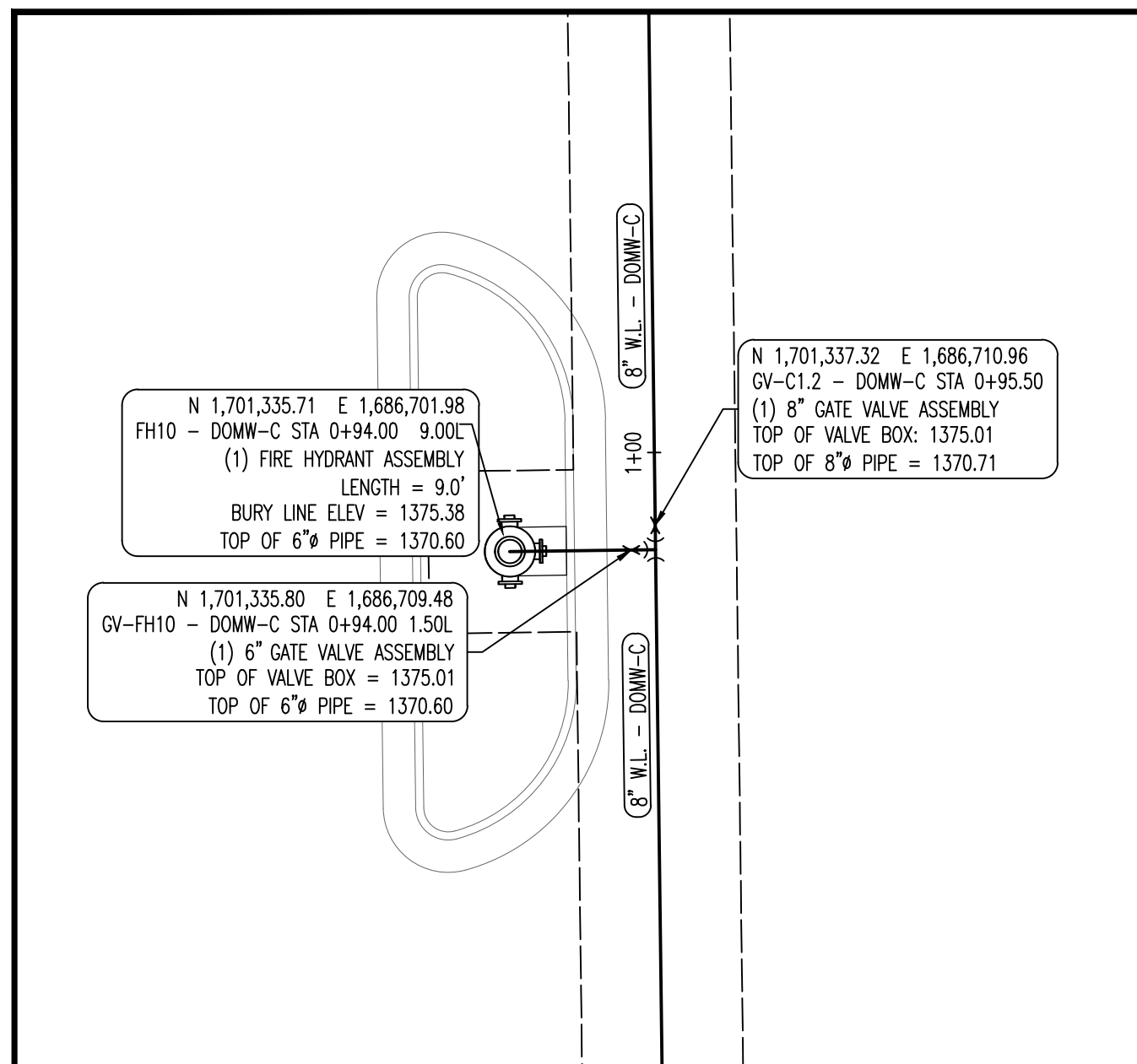
AS-BUILT DRAWINGS
Contractor: Mccullough Excavation
Inspector: Dakota Zimmerman
Ruggles & Bohm
PDF By: DGZ 04/06/2015

ISSUES		
NO.	DATE	DESCRIPTION
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6	08.11.2014	FOR PERMIT
7	08.25.2014	FOR PERMIT
8	08.28.2014	FOR PERMIT
9	08.29.2014	FOR PERMIT

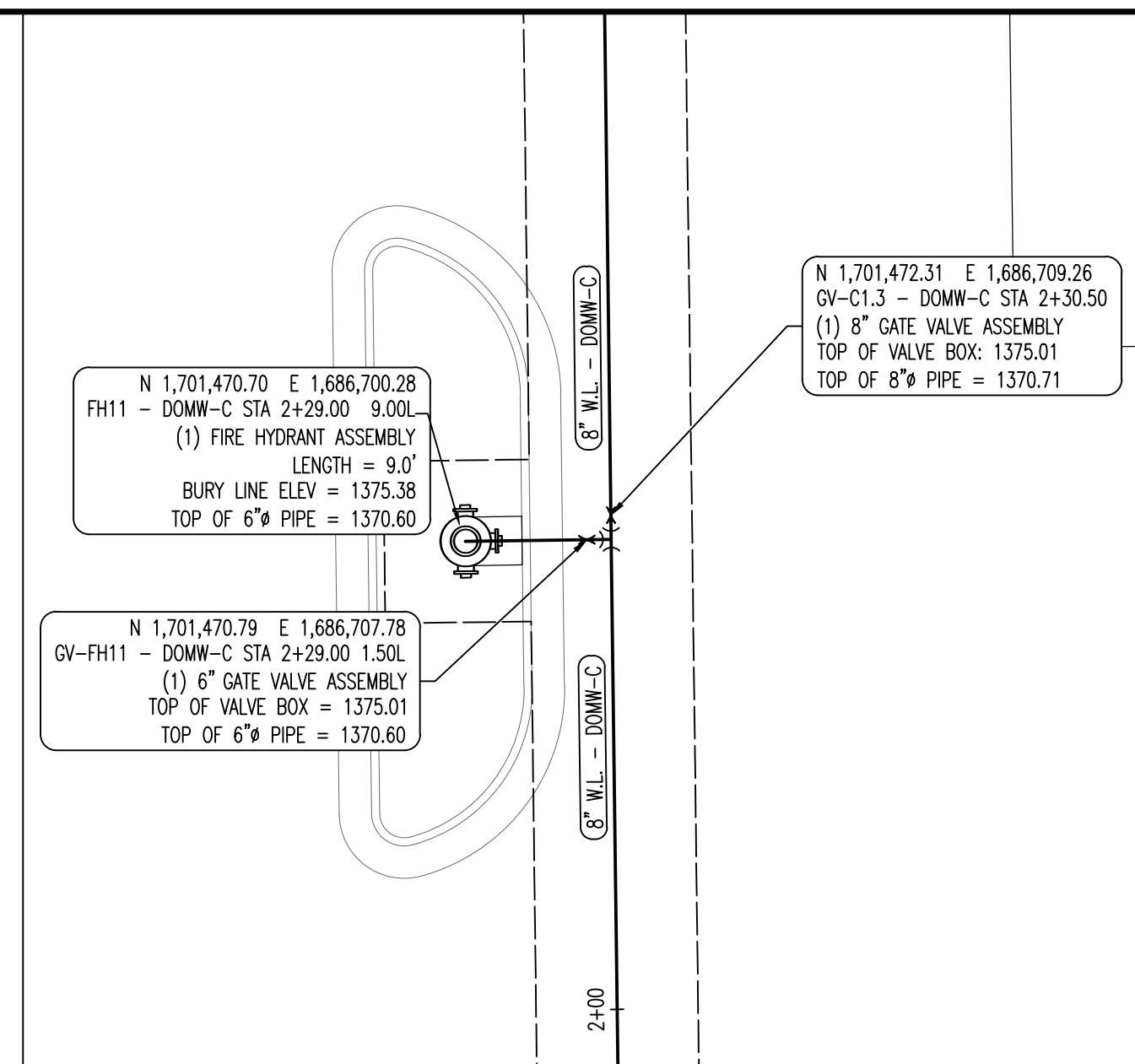


WATER LINE BLOW-UPS
DRAWING TITLE:
DATE:
SCALE:
JOB NUMBER:
DRAWING NUMBER:

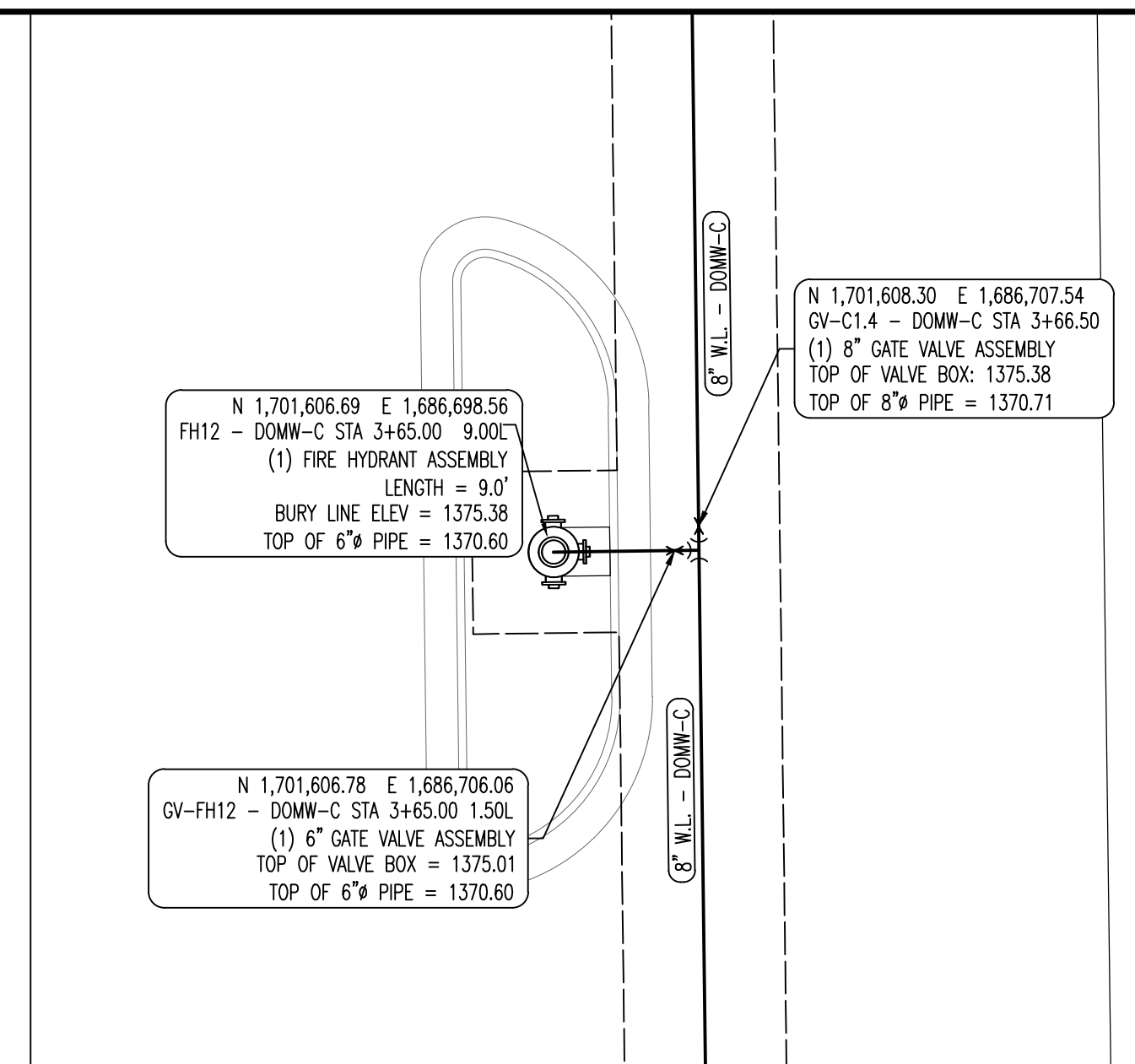
AUGUST 29, 2014
1"=10'
12-09
C-5.8



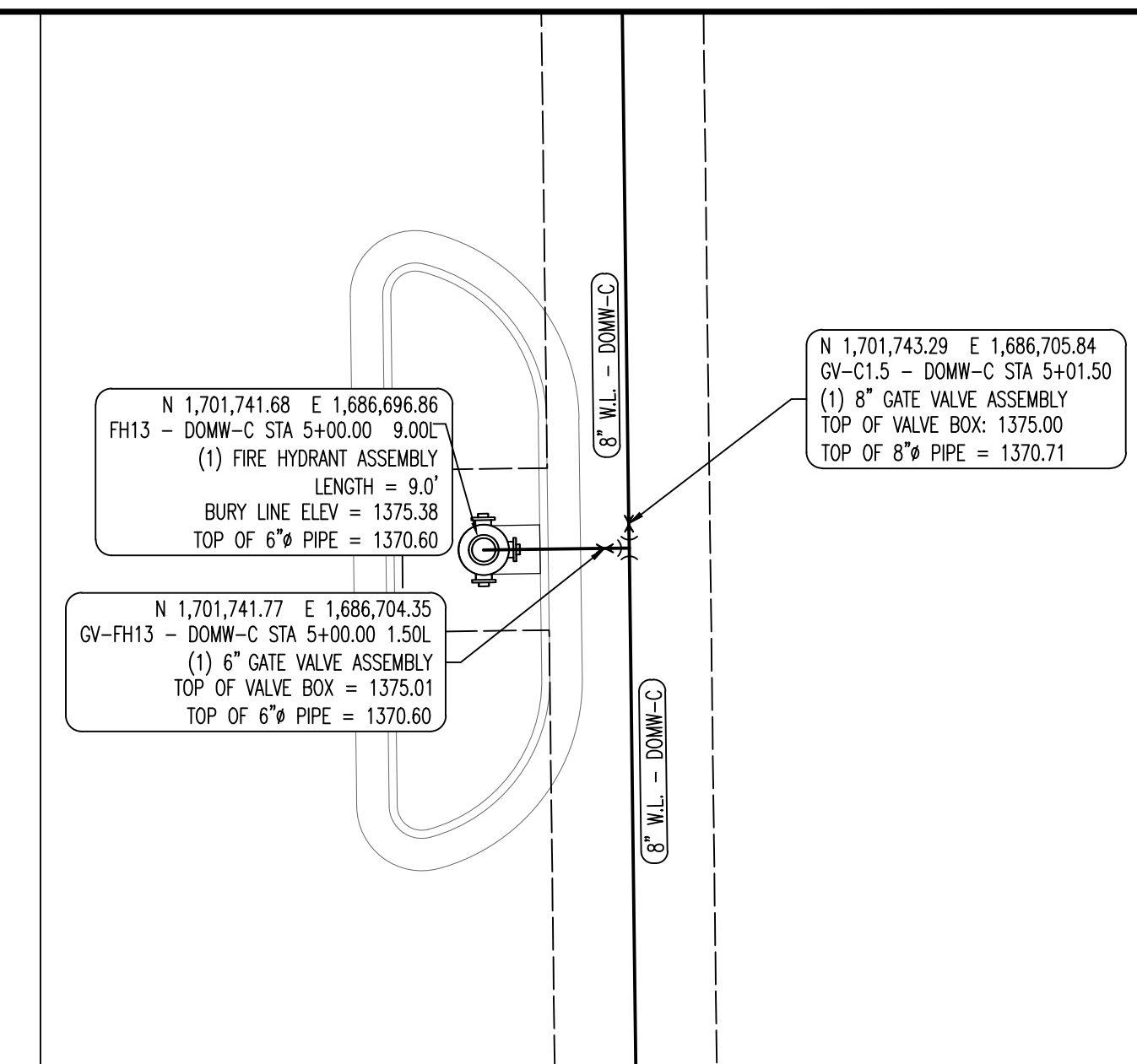
1 DOMW-C STA 0+65 TO 1+25
SCALE: 1"=10'-0"



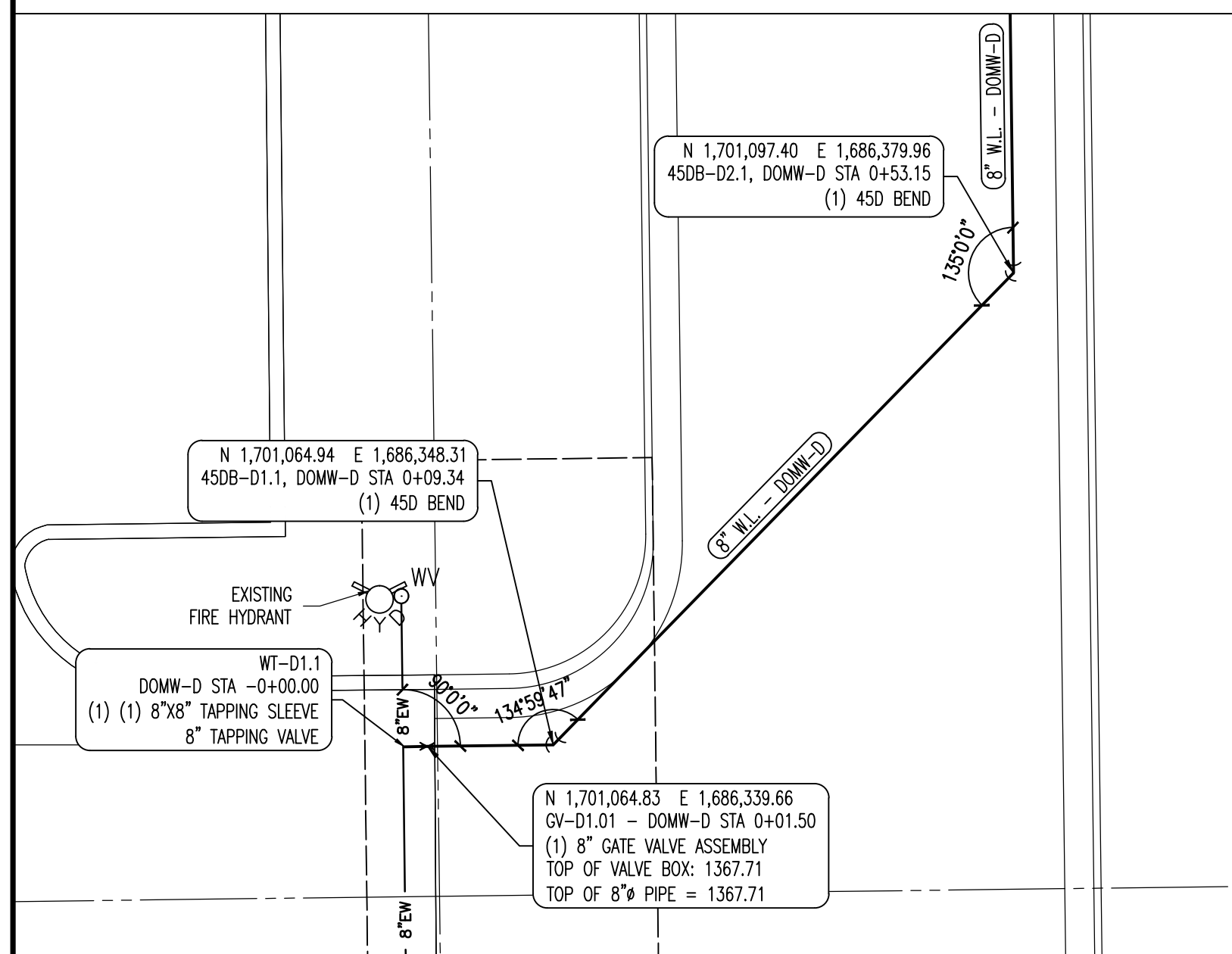
2 DOMW-C STA 2+00 TO 2+60
SCALE: 1"=10'-0"



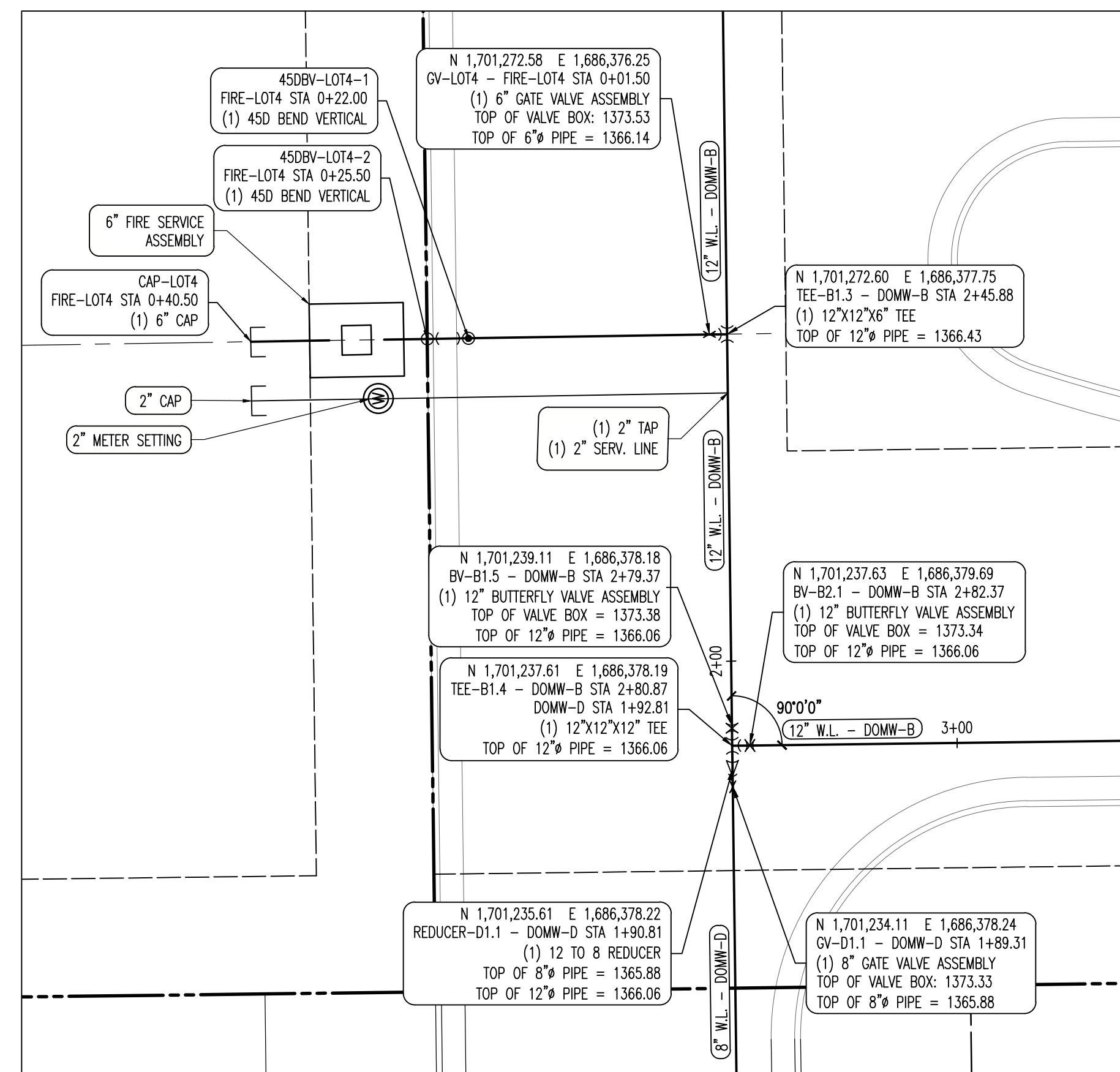
3 DOMW-C STA 3+35 TO 3+95
SCALE: 1"=10'-0"



4 DOMW-C STA 4+70 TO 5+30
SCALE: 1"=10'-0"



5 DOMW-D STA 0+00 TO 0+70
SCALE: 1"=10'-0"



6 DOMW-B STA 1+45 TO 3+15
DOMW-D STA 1+65 TO 1+92.81
FIRE-LOT4 STA 0+00 TO 0+40.50
SCALE: 1"=10'-0"

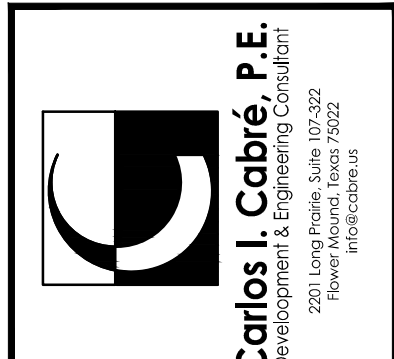
AS-BUILT DRAWINGS
Contractor: Mccullough Excavation
Inspector: Dakota Zimmerman
Ruggles & Bohm
PDF By: DGZ 04/06/2015

ISSUES		
NO.	DATE	DESCRIPTION
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8	08.28.2014	FOR PERMIT
9	08.29.2014	FOR PERMIT

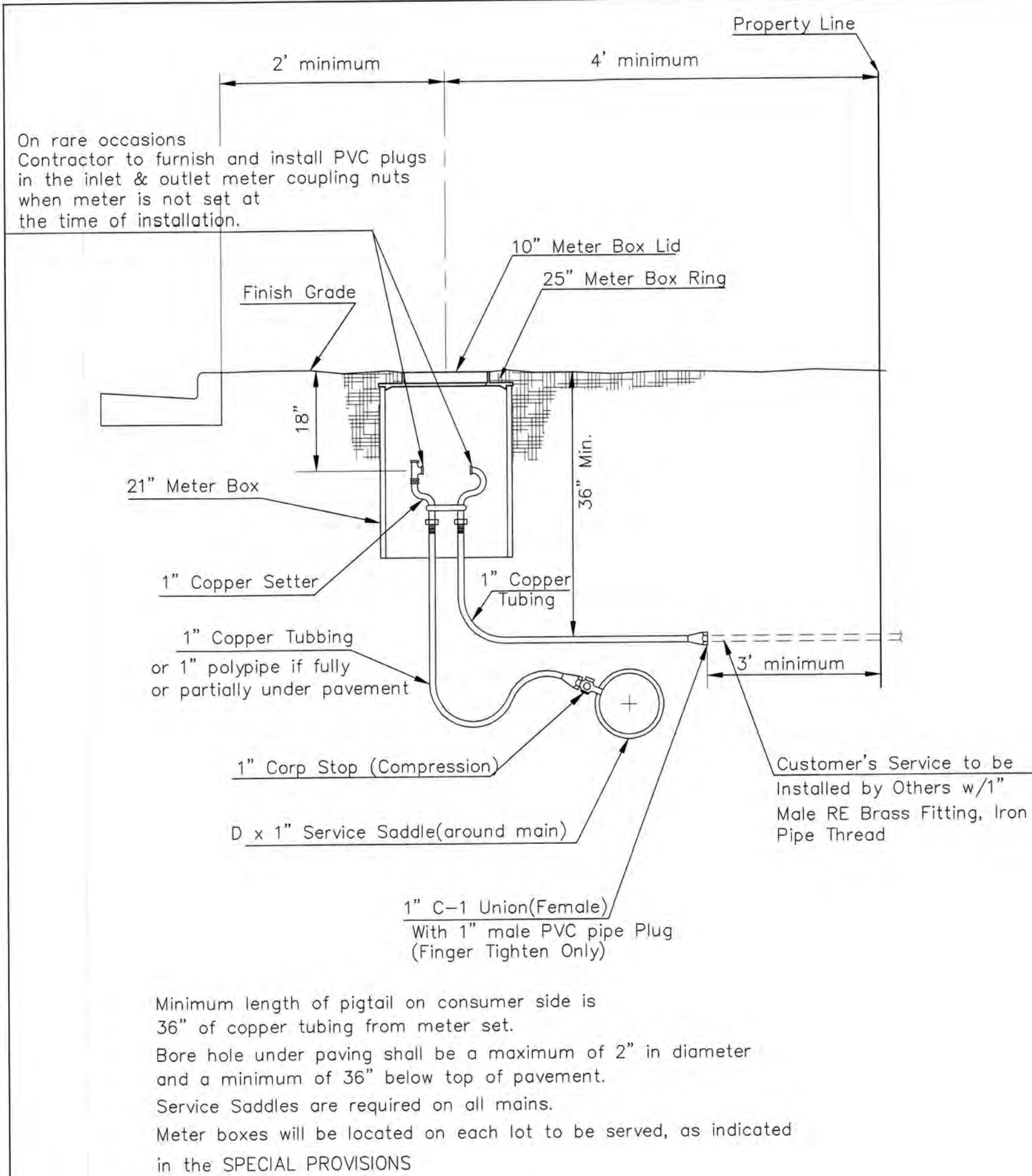
DRAWING TITLE: WATER LINE BLOW-UPS
DATE: AUGUST 29, 2014
SCALE: 1"=10'
JOB NUMBER: 12-09
DRAWING NUMBER: C-5.9

THE SEITZ GROUP
Development & Sale of Rural Properties
5729 LEBANON ROAD, SUITE 144
FRISCO, TX 75034
T. 214-705-1078 F. 214-407-8912

WICHITA CROSSING
A PORTION OF LOT 1 AND RESERVE "A",
KENSINGTON GARDENS
CITY OF WICHITA, SEDGWICK COUNTY, KANSAS

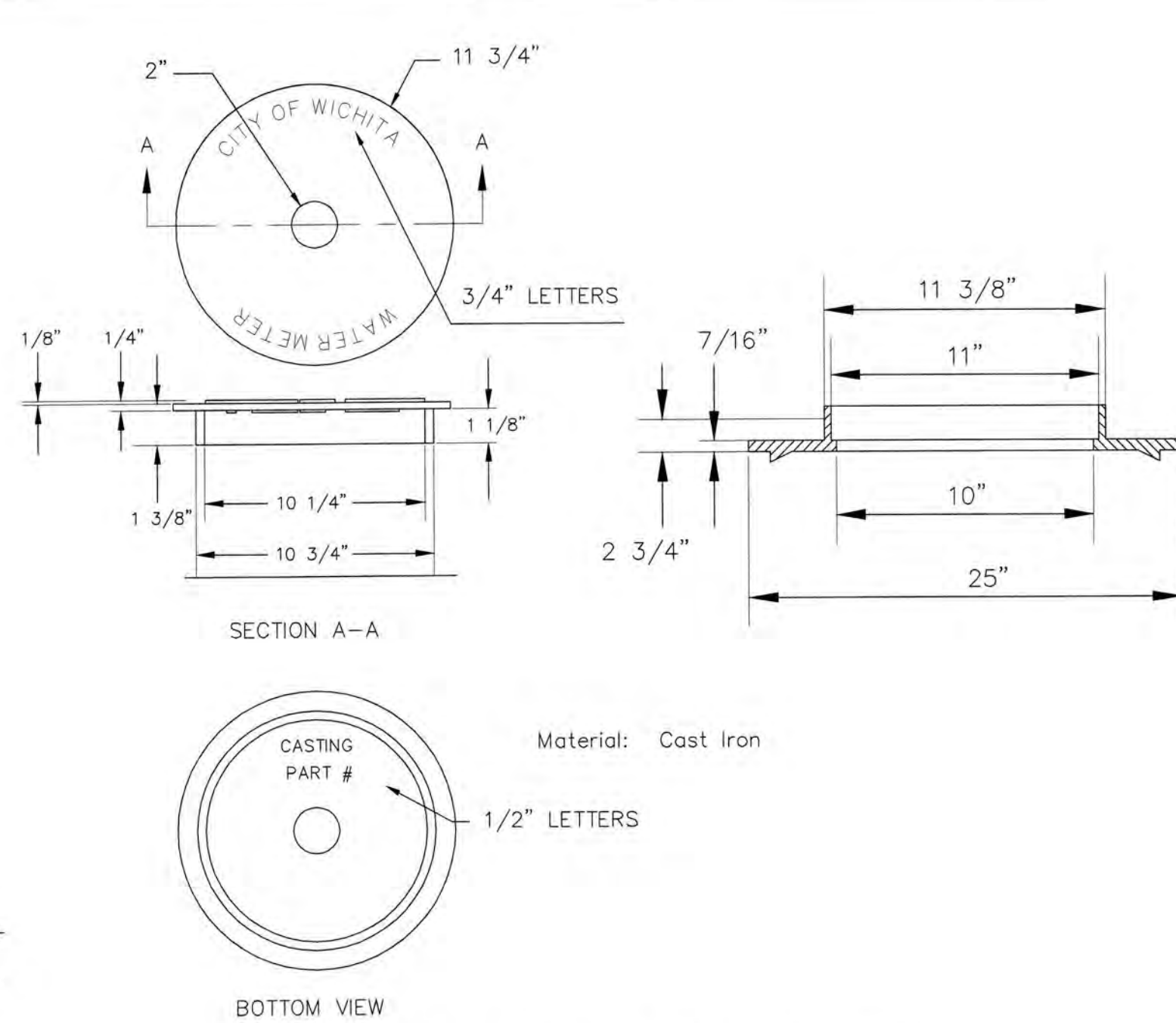


WATER LINE BLOW-UPS
THIS DOCUMENT REPRESENTS THE DESIGN EFFORT OF CARLOS I. CABRÉ, P.E. IN THE STATE OF KANSAS. THE DESIGNER'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THIS PROJECT. CARLOS I. CABRÉ, P.E. RETAINS TITLE AND OWNERSHIP OF THIS PROJECT. WHENEVER THIS PROJECT IS REPRODUCED OR USED FOR ANY OTHER PURPOSE, THE USER SHALL OBTAIN WRITTEN PERMISSION FROM THE DESIGNER. THIS DOCUMENT IS NOT TO BE USED FOR ANY OTHER PROJECTS OR EXTENSIONS TO THIS PROJECTS, UNLESS AUTHORIZED IN WRITING BY CARLOS I. CABRÉ, P.E.



TYPICAL 1" METER SETTING

Minimum length of pigtail on consumer side is 36" of copper tubing from meter set.
 Bore hole under paving shall be a maximum of 2" in diameter and a minimum of 36" below top of pavement.
 Service Saddles are required on all mains.
 Meter boxes will be located on each lot to be served, as indicated in the SPECIAL PROVISIONS

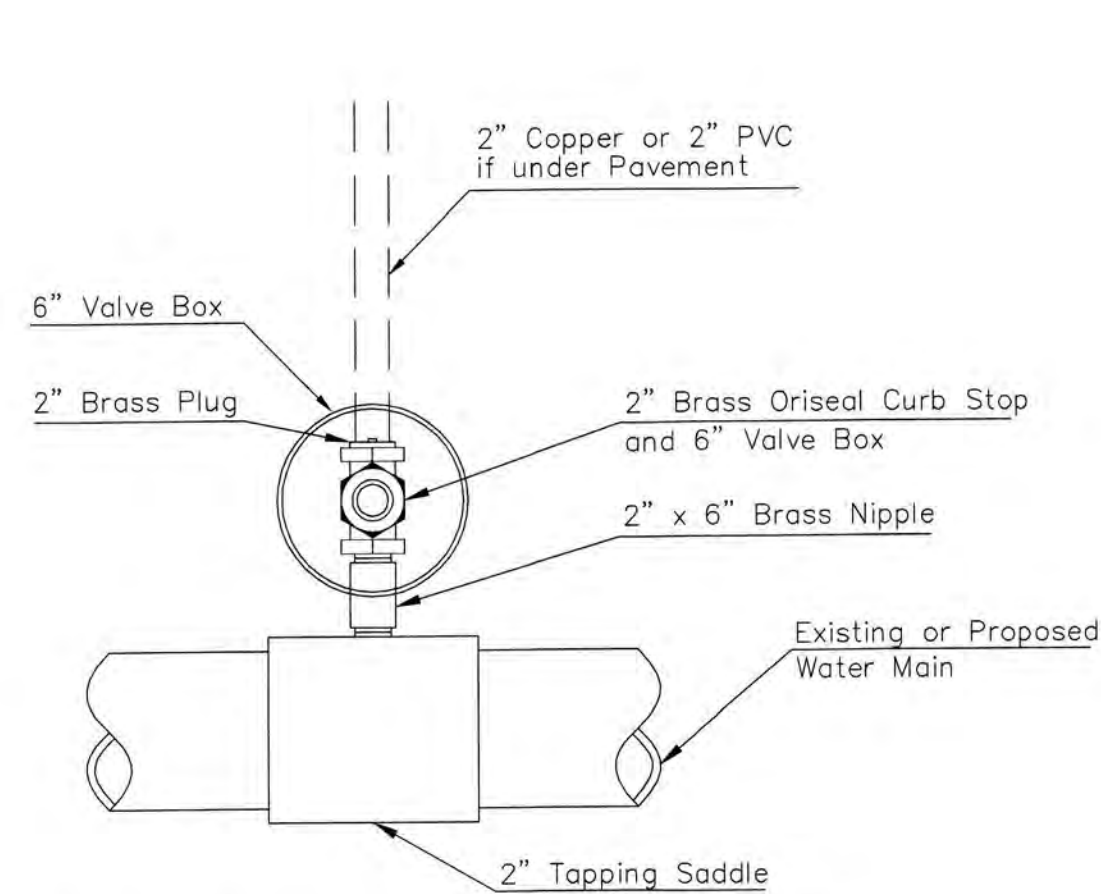


NOT TRAFFIC RATED RING & LID FOR 1" METER BOX

- 1 - Ø Mueller Thread Corporation Stop
- 1 - Ø Type "K" Copper Tubing
- 1 - Ø Copper to Iron Union (Male)
- 1 - Ø Brass Curb Stop (Iron to Iron)
- 2 - Ø4" Brass Nipple
- Air Release
- 2 - Ø Brass Elbows (90°)
- 1 - 1"x6" Brass Nipple
- 1 - 30" Monitor Cover
- 1 - 20" Meter Lid

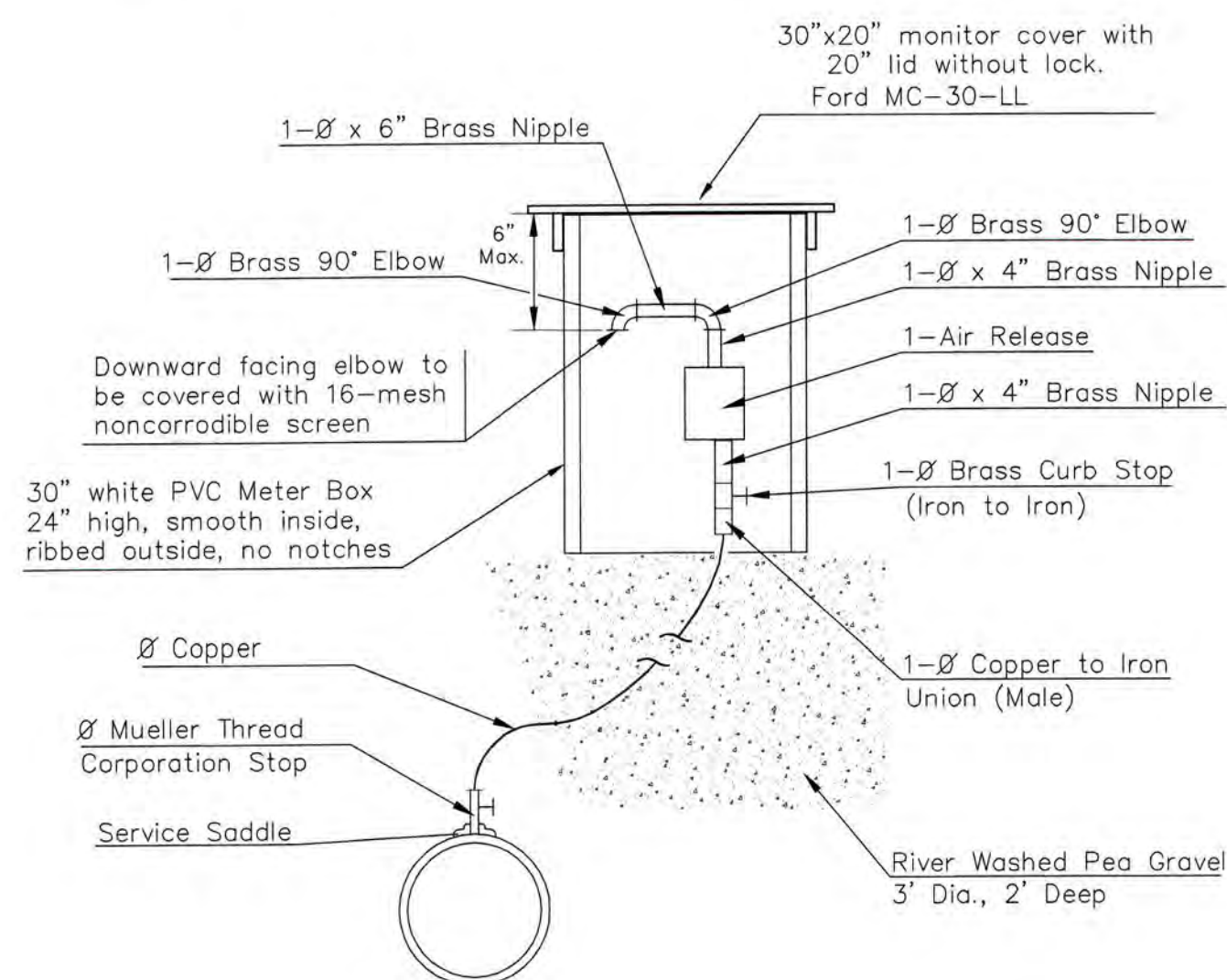
NOTE:

THE 1 1/2" AIR RELEASE ASSEMBLY WILL TYPICALLY BE USED ON WATER MAINS 24" AND SMALLER, AS SPECIFICALLY DESIGNATED IN THE PLANS. COMBINATION AIR RELEASE ASSEMBLIES WILL BE SPECIFICALLY DESIGNED FOR PROJECTS WITH LARGER MAINS, AND WILL BE INCLUDED IN THE PLANS.

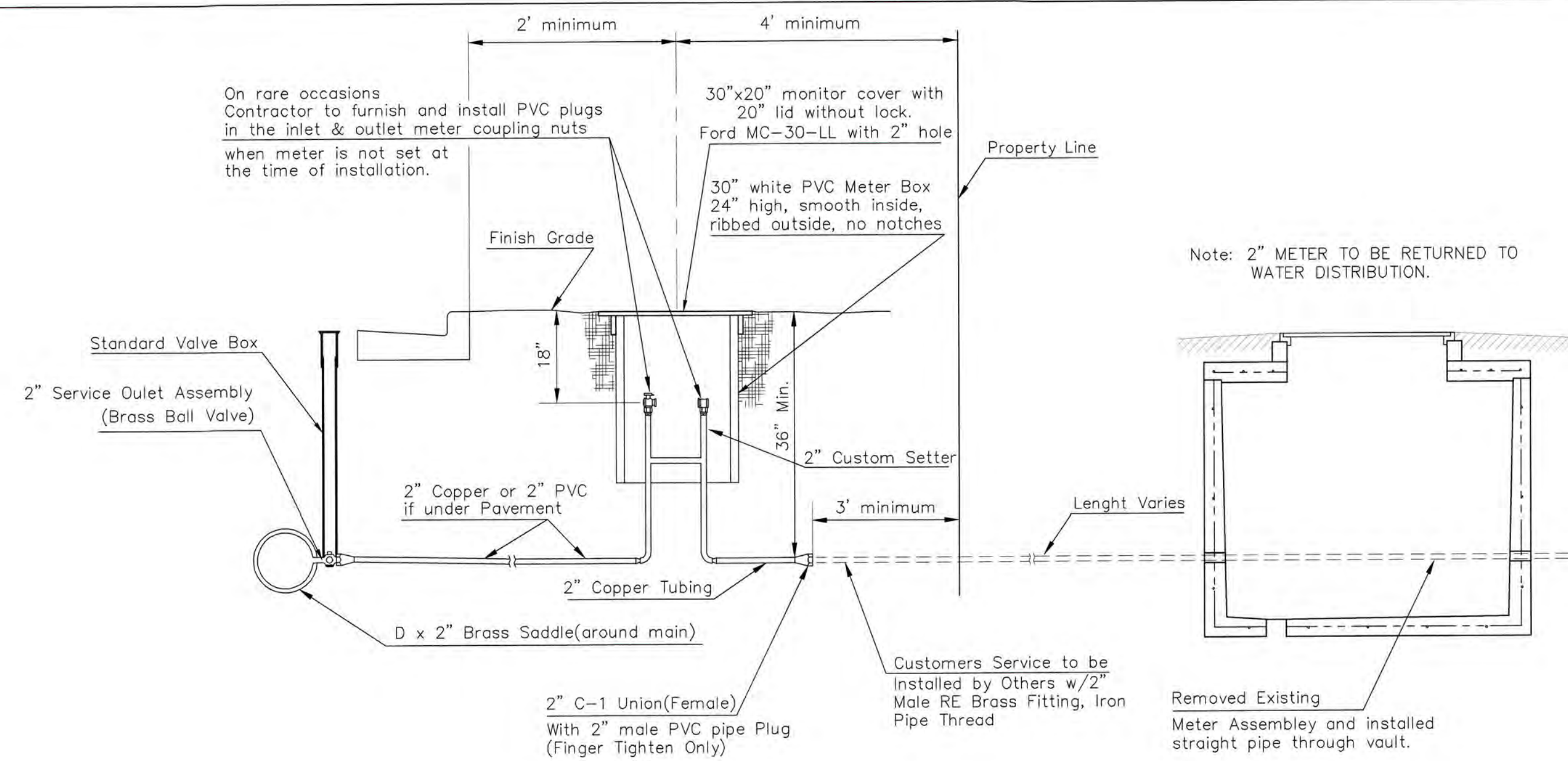


Note: Where the 2" Service Outlet Assembly is to be used to connect a 2" main to another main, the 2" valve shall be a 2" IPT Gate Valve. 2" ball or globe valves shall not be approved for this use.

2" SERVICE OUTLET ASSEMBLY TOP VIEW



MATERIALS FOR 1" or 2" AIR RELEASE ASSEMBLY Ø = 1" or 2"

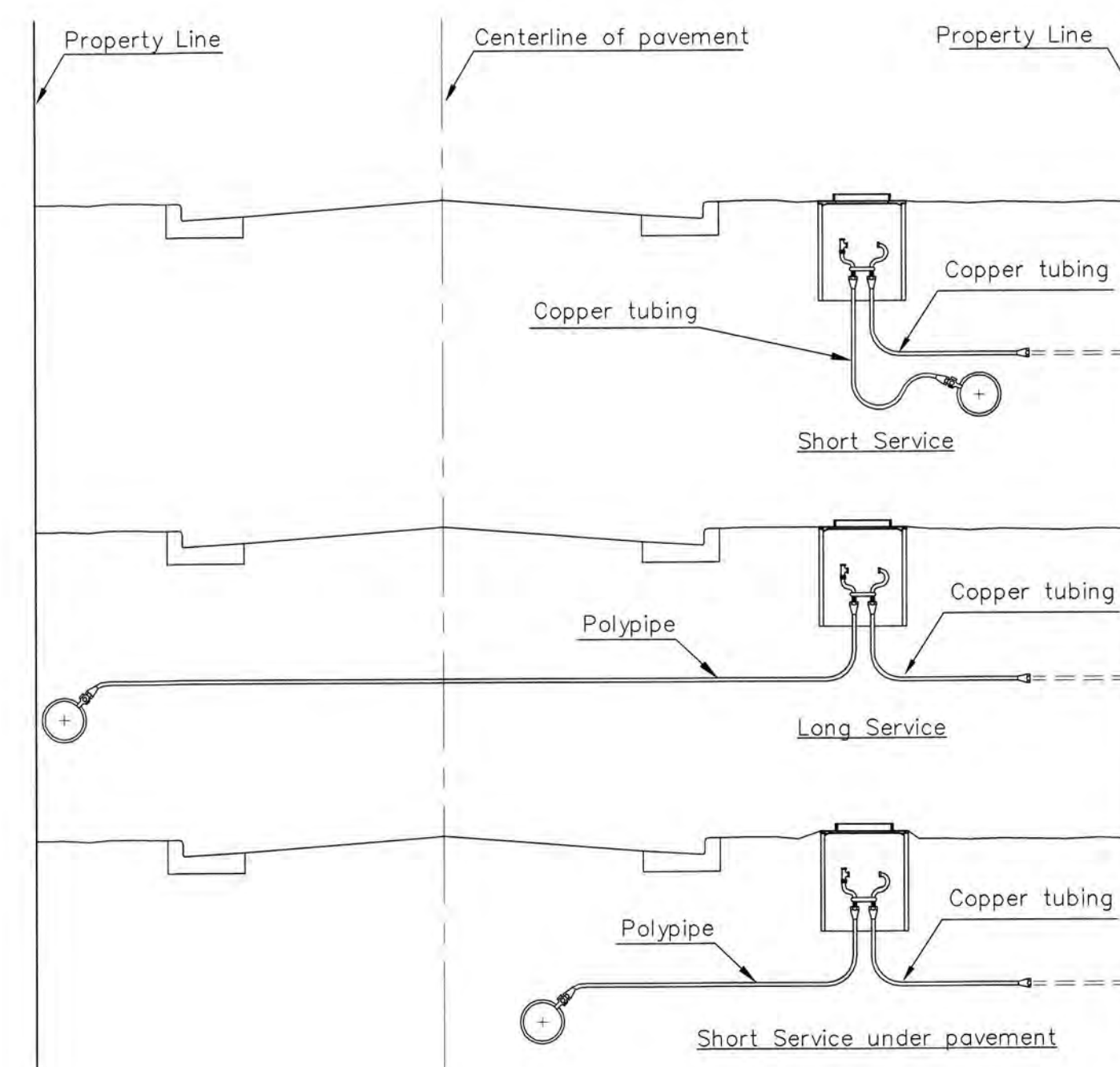


TYPICAL 2" METER SETTING

Note: ONE VALVE STEM EXTENSION FOR EACH VALVE BURIED GREATER THAN 5'.

TYPICAL 2" METER SETTING INVOLVING EXISTING 2" METER VAULT

Note: ONE VALVE STEM EXTENSION FOR EACH VALVE BURIED GREATER THAN 5'.



SERVICE TYPES



REVISD: JANUARY 2014

CITY OF WICHITA

CITY ENGINEER'S OFFICE
 CITY HALL - SEVENTH FLOOR
 455 NORTH MAIN STREET
 WICHITA, KANSAS 67202-1620
 (316) 268-4501

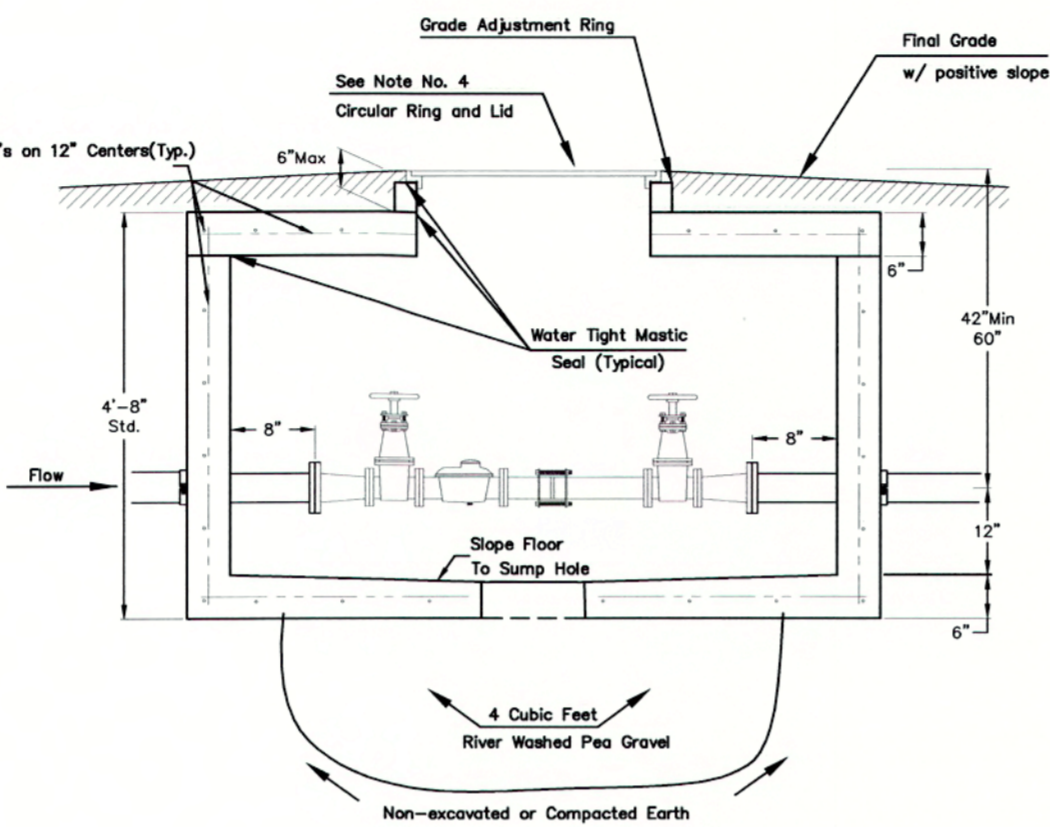
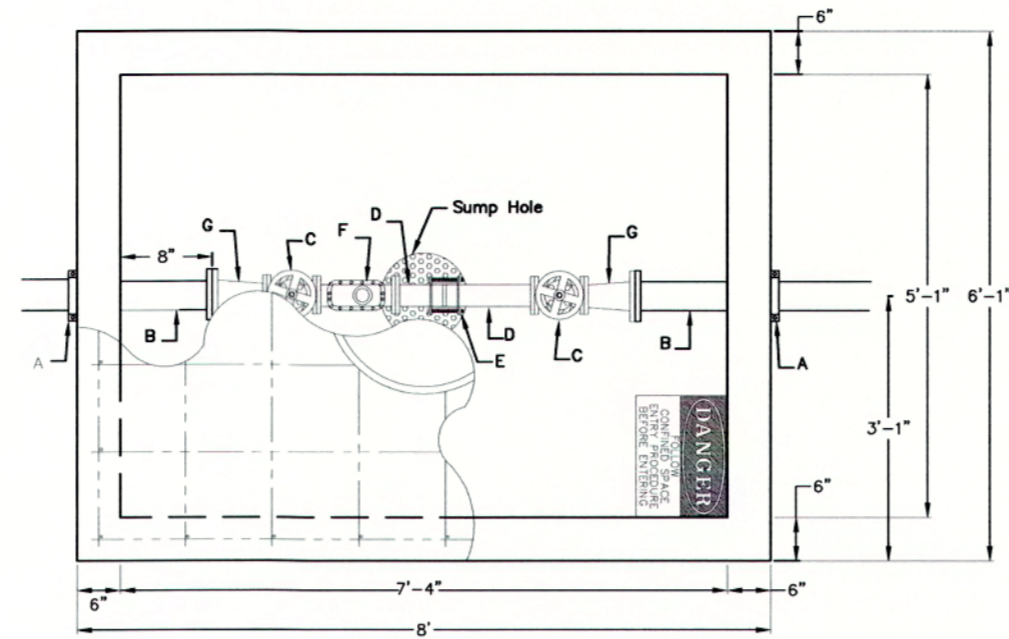
STANDARD WATER SERVICE DETAIL		
CITY ENGINEER GARY JANZEN, P.E.		
PROJECT NUMBER	OCA NUMBER	DATE
CITY ENGINEER'S OFFICE		SHEET
CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501		_ of _

Notes For All Services - 3" thru 12":

- When the standard vault dimensions are not applicable, such as when additional space is required for special pipe, fittings, additional meters, etc. the design engineer shall design a vault with the required dimensions for Public Works and Utilities approval.
- The vault shall be poured concrete, cement blocks (voids to be completely filled with 2500 P.S.I. concrete), or approved precast structure (such as Clutter Inc. vaults approved 8/1/2000). The intent of these details shall not be limited by drawings or standards of precast structures.
- Vault location to be determined by Public Works and Utilities prior to construction and approved by Department's field supervisor prior to installation. A final inspection will be required for acceptance. Vault location standards include but not limited to: not to be located where subjected to vehicular loads, not to be located in any right-of-way or utility easement, and must be located on the property being served.
- The manhole ring and lid shall be Neenah R-6034 Frame with Type "C" Solid Lid and Drop Down Handle or US Foundry APS-30x30 (Aluminum). Where applicable the standard 10" Public Works and Utilities pattern meter reading lid and ring shall be located directly above water meter register. All meter registers shall have an approved lid directly vertical above. All joints of concrete to concrete or metal to concrete in the construction of the vault shall have an approved water tight mastic joint seal.
- Any fittings or appurtenances required to achieve proper elevation of pipe through the vault shall be provided by the contractor and appropriately noted on as-builts submitted by the inspecting engineer. Such fittings shall be a minimum of 2' from the exterior wall of vault.
- For all domestic services larger than 3" the contractor shall provide an outlet flange connection as shown 8" from the inside wall. Inlet and outlet wall sleeves shall be provided and installed by the contractor and shall be in alignment with one another. The inlet and outlet pipe shall be ductile iron pipe, cement lined, Class 150 per Standard Specifications and shall be continuous through vault wall and joint no less than 2' from the exterior wall of vault. Flanges of inlet and outlet pipes shall be in proper alignment and bolt pattern shall be rotated in such a way that valves and other fittings shall be in their proper vertical alignment when installed.
- For all services 4" and larger the contractor shall install a mega lug, restrained joint, or approved equal on the exterior walls of the vault, which shall be manufactured of ductile iron conforming to ASTM A 536-80, heat treated to a minimum hardness of 370 BHN and have a working pressure of at least 250 P.S.I. For all services smaller than 4" the contractor shall install an approved vault clamp on the exterior walls of the vault.
- All valves, meters, assemblies, and fittings shall be provided with sufficient concrete or other approved supports to the vault floor.
- The "Confined Space Warning" sign shall be fastened to the top of all vaults. If necessary for landscaping or site considerations, the sign may be fastened to the vault lid if it does not impede access to the handle. Acceptable materials: Aluminum 73415HH, Plastic 73439HH, or S.A. Vinyl 73463HH.
- All meters shall have an electronic read register compatible with the current City of Wichita meter reading system. All detector meters shall be an 5/8 cubic foot Badger meter with ERT register or approved equal. Gallon meters shall not be accepted.

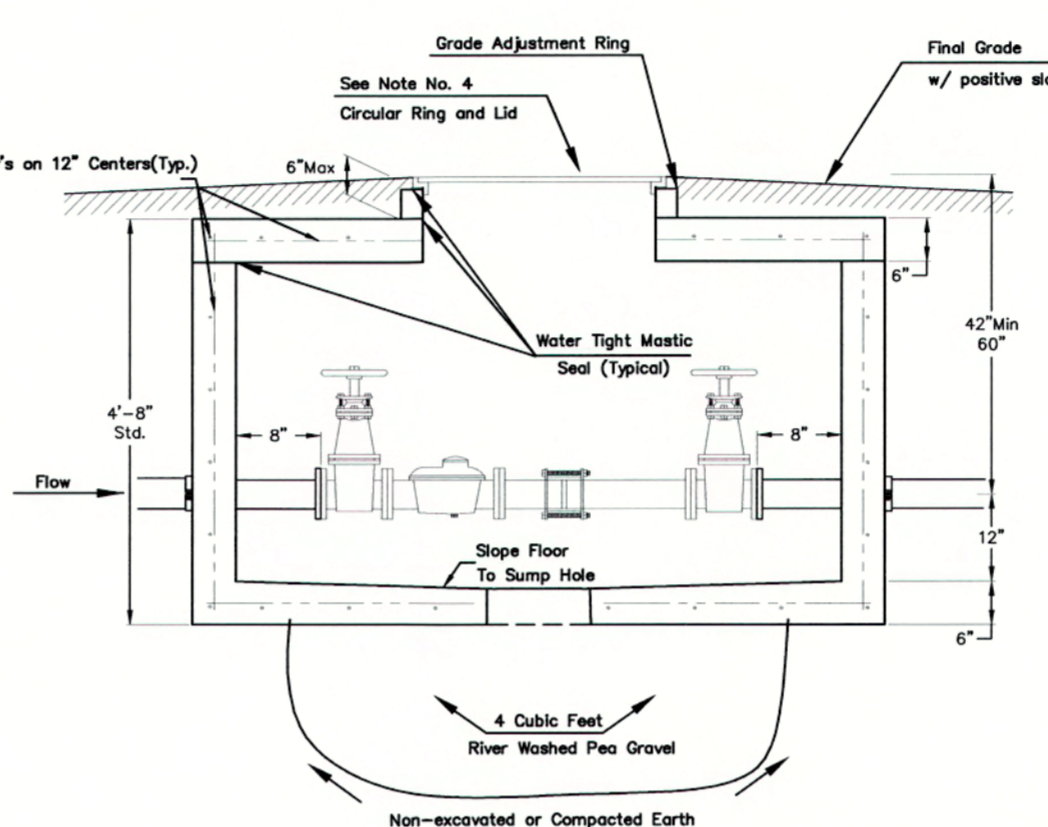
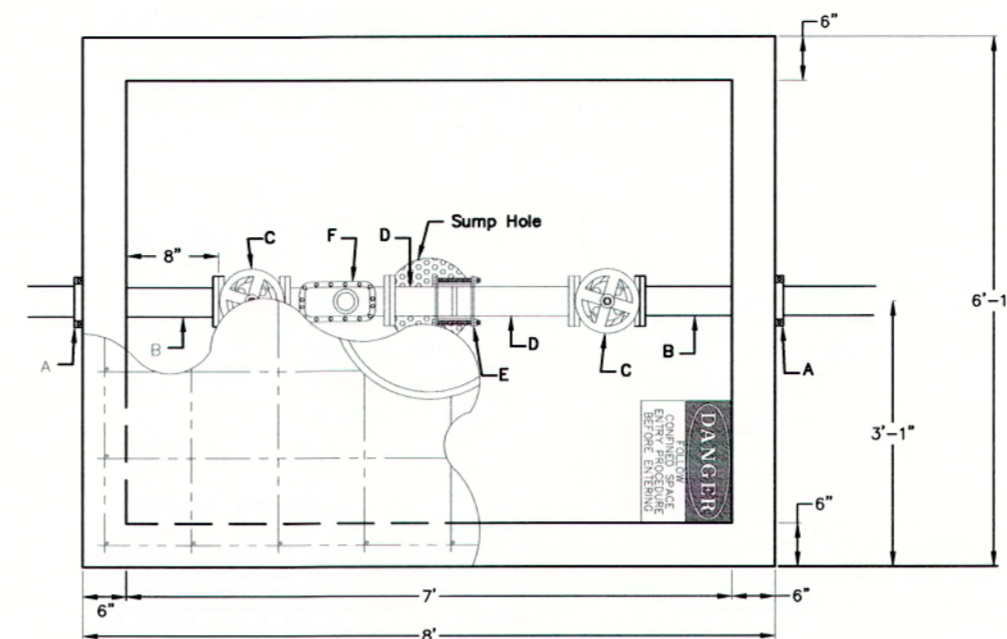
Additional Notes For Fire Services:

- A post indicator valve (PIV) is an option for the outlet valve and may be requested by the architect or owner. The PIV is not required by City of Wichita ordinance.
- When Siamese connections are required by the Wichita Fire Department, refer to the current City Code Section 15.
- If due to any reason the completed vault retains ground or drainage water in excess of 4" in depth from the floor of the vault, the property owner shall be responsible for providing and installing an appropriate automatic sump pump or approved equal, as well as any other appurtenances required to make such system function as intended.
- The property owner is responsible for completing an "Application for Private Fire Protection" prior to final acceptance of the project.



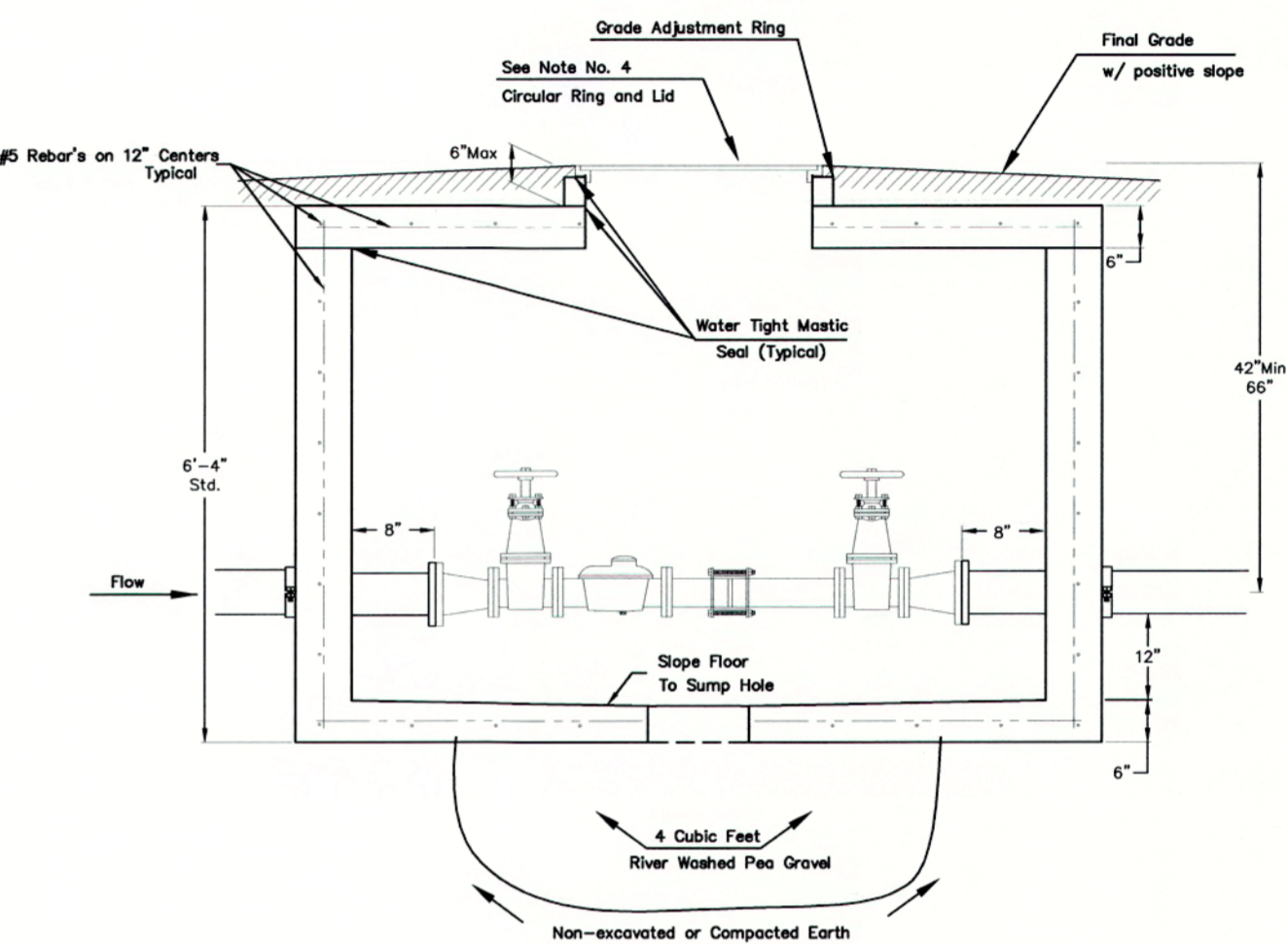
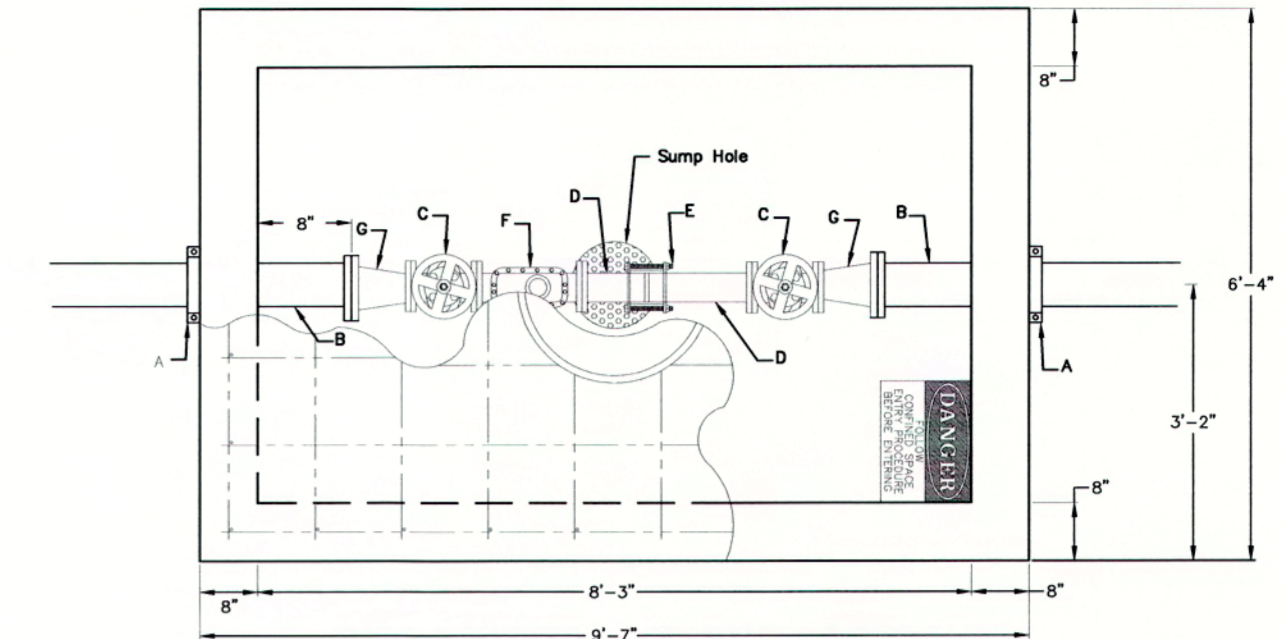
- A - 4" Vault Clamp
- B - Min. 3' Piece of 4" FL x PE DICTL Pipe
- C - 3" Flange Non-rising Stem Gate Wheel Valve
- D - 3" FL x PE Pipe
- E - 3" Flex Coupling
- F - 3" Badger Recordall II Turbo Cubic Foot Meter with ERT Register or Sensus W-350DR Cubic Foot Meter with AMR Register.
- G - 3" x 4" FL Reducer

3" Domestic Service



- A - 4" Vault Clamp
- B - Min. 3' Piece of 4" FL x PE DICTL Pipe
- C - 4" Flange Non-rising Stem Gate Wheel Valve
- D - 4" FL x PE Pipe
- E - 4" Flex Coupling
- F - 4" Badger Recordall II Turbo Cubic Foot Meter with ERT Register or Sensus W-1000DR Cubic Foot Meter with AMR Register.

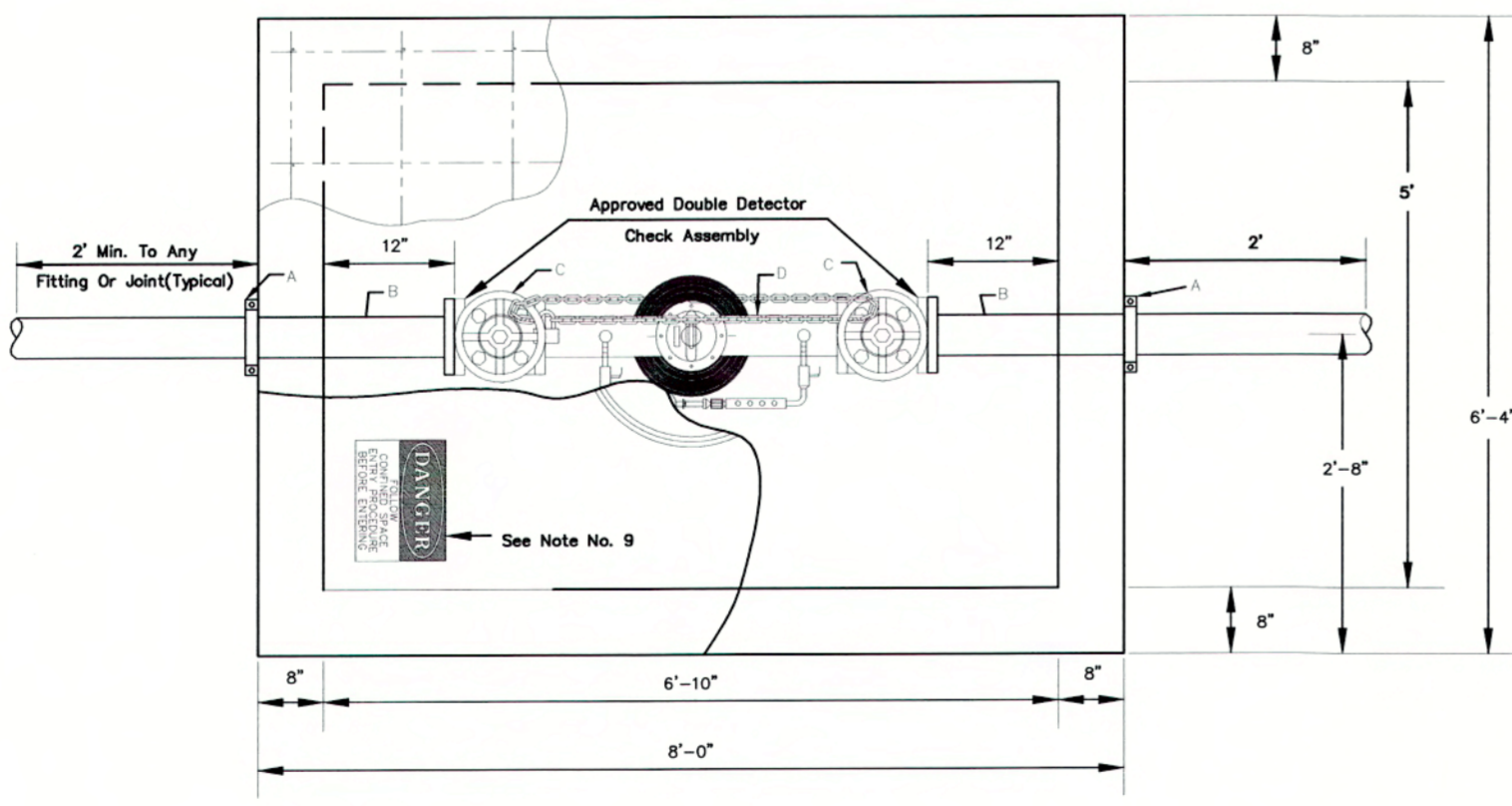
4" Domestic Service



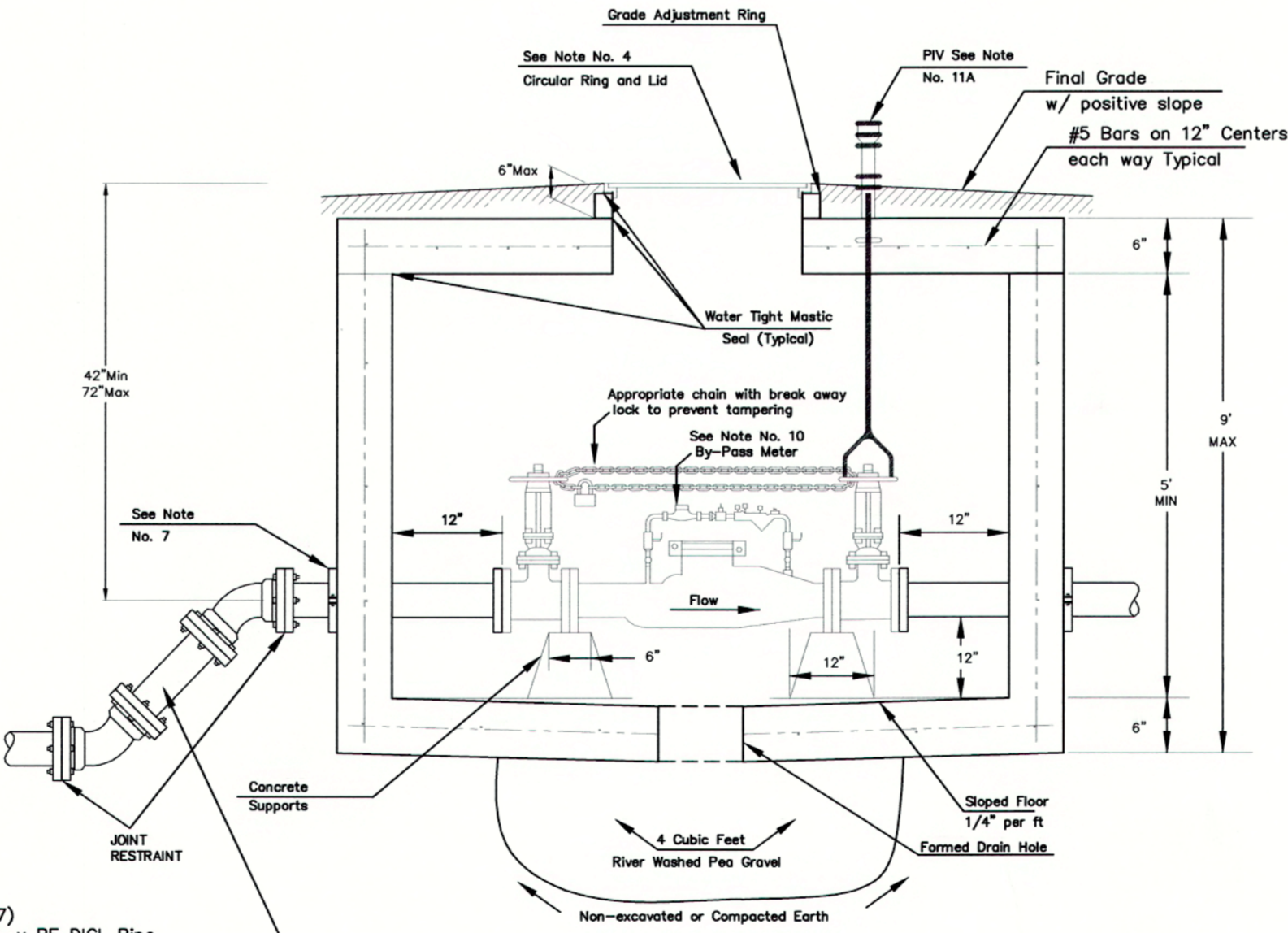
- A - 6" Mega Lug (See Note 7)
- B - Min. 3' Piece of 6" FL x PE DICTL Pipe
- C - 4" Flange Non-rising Stem Gate Wheel Valve
- D - 4" FL x PE Pipe
- E - 4" Flex Coupling
- F - 4" Badger Recordall II Turbo Cubic Foot Meter with ERT Register or Sensus W-1000DR Cubic Foot Meter with AMR Register.
- G - 6" x 4" Flange Reducer

6" Domestic Service with 4" meter

NOTE:
INSPECTOR FROM PUBLIC WORKS AND UTILITIES TO BE CONTACTED 24 HOURS PRIOR TO INSTALLATION TO SET VAULT.
CONTACT: 316-219-8928 OR 316-219-8929



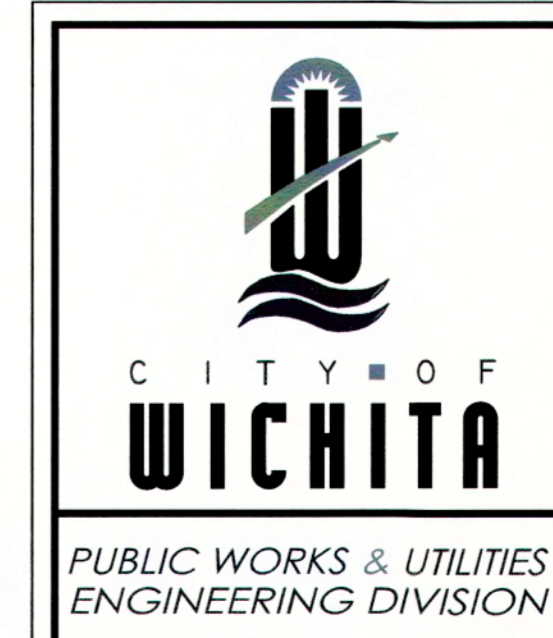
NOTE:
Domestic Services larger than 6" shall be custom designed by Engineer.



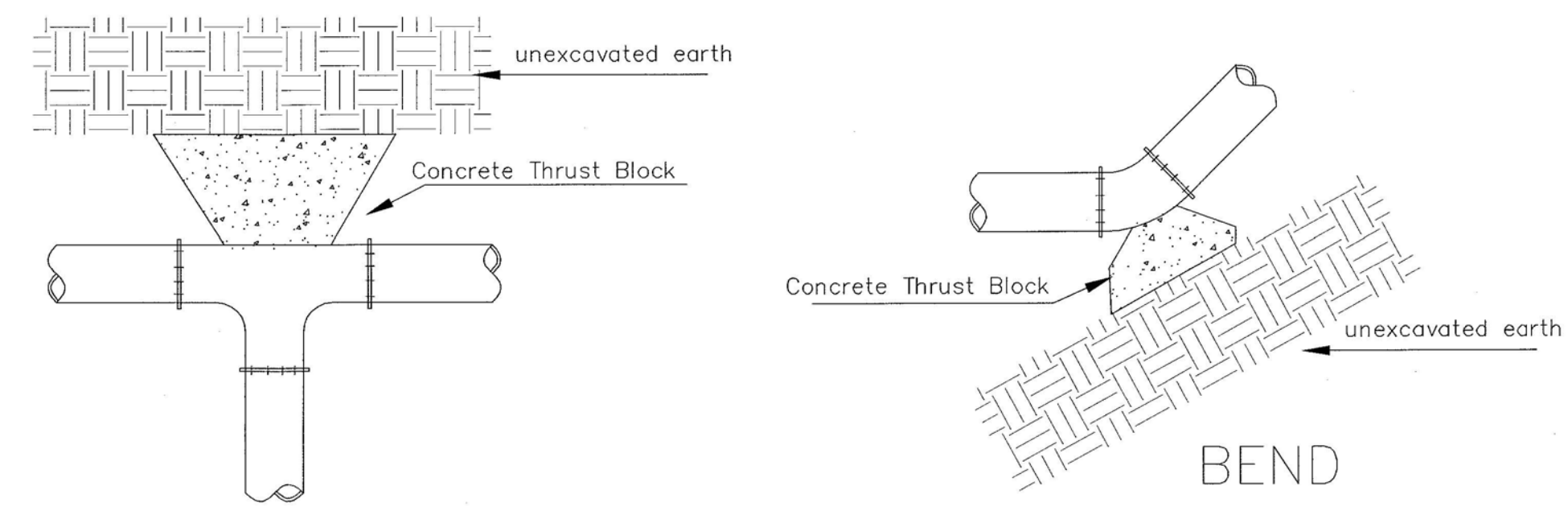
- A - Mega Lug (See Note 7)
- B - Min. 3'-8" Piece of FL x PE DICTL Pipe
- C - Flange Gate Valve, Wheel Operated
- D - Ames Model 3001SS or approved equal with metered (cubic foot) by-pass assembly

Use 45 degree fittings as necessary to keep depth of vault within 76 inch maximum. All fittings should be mega lug, restrained joint or approved equal.

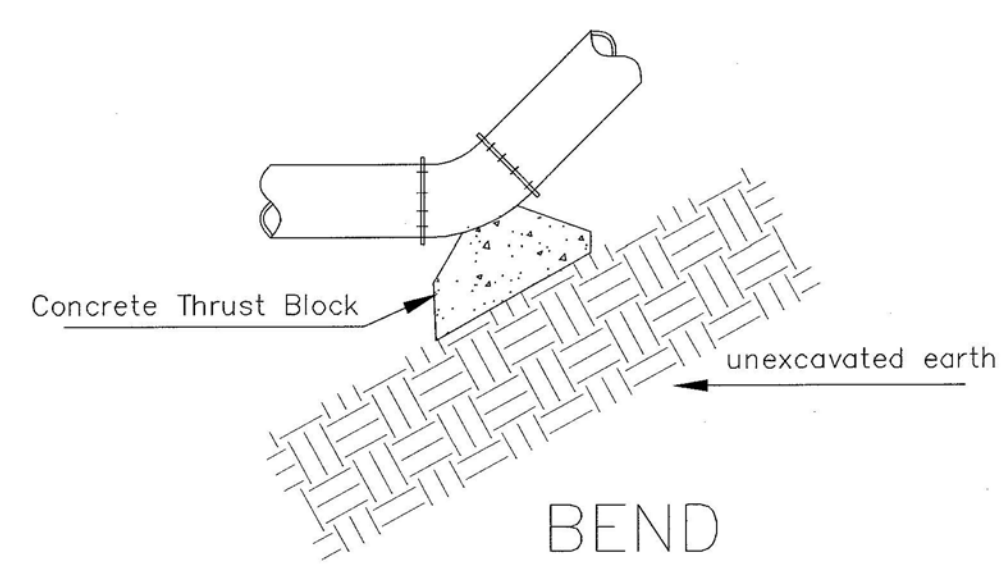
4" thru 8" Fire Service



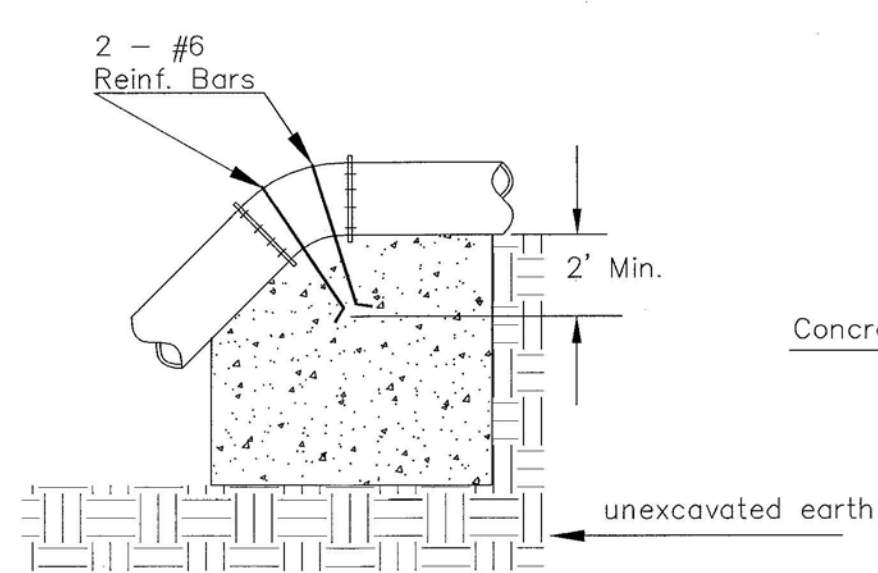
STANDARD VAULT DETAILS AND METER ASSEMBLIES		
CITY ENGINEER		
GARY JANZEN, P.E.		
PROJECT NUMBER	OCA NUMBER	DATE
		12/2011
CITY ENGINEER'S OFFICE		SHEET
CITY HALL - SEVENTH FLOOR		
455 NORTH MAIN STREET		
WICHITA, KANSAS 67202-1620		
(316) 268-4501		
		_ of _



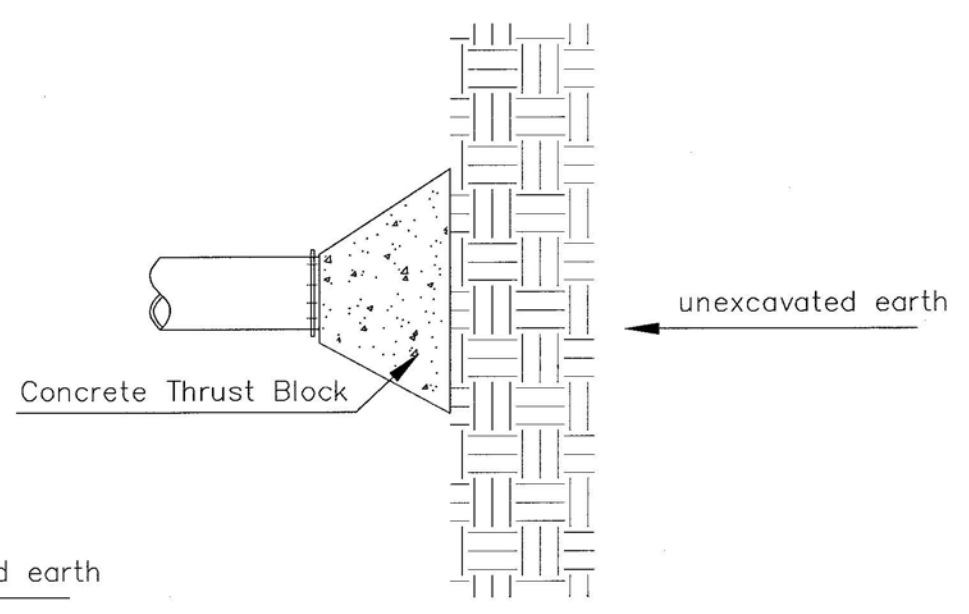
TEE



BEND



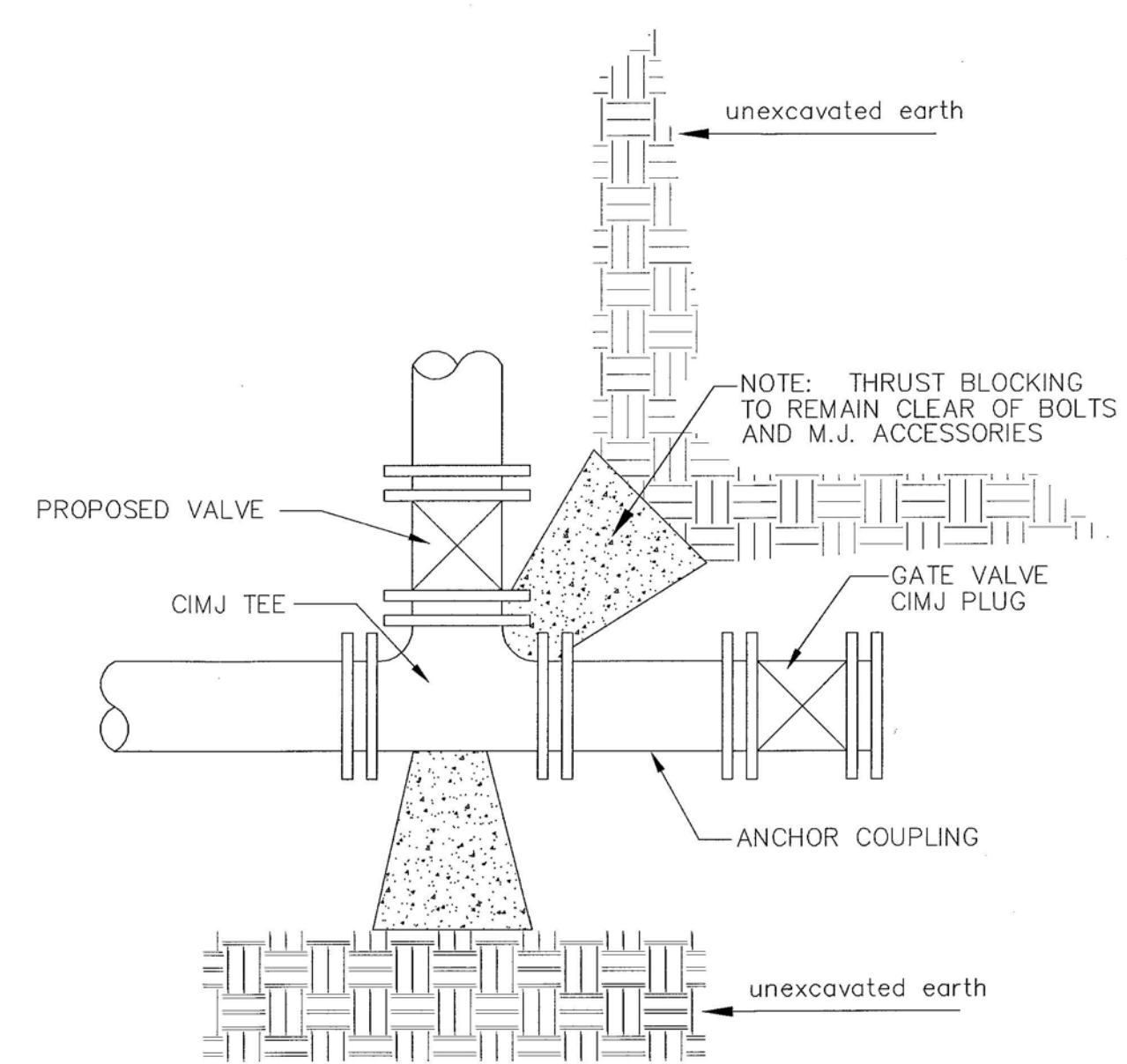
VERTICAL BEND



PLUG

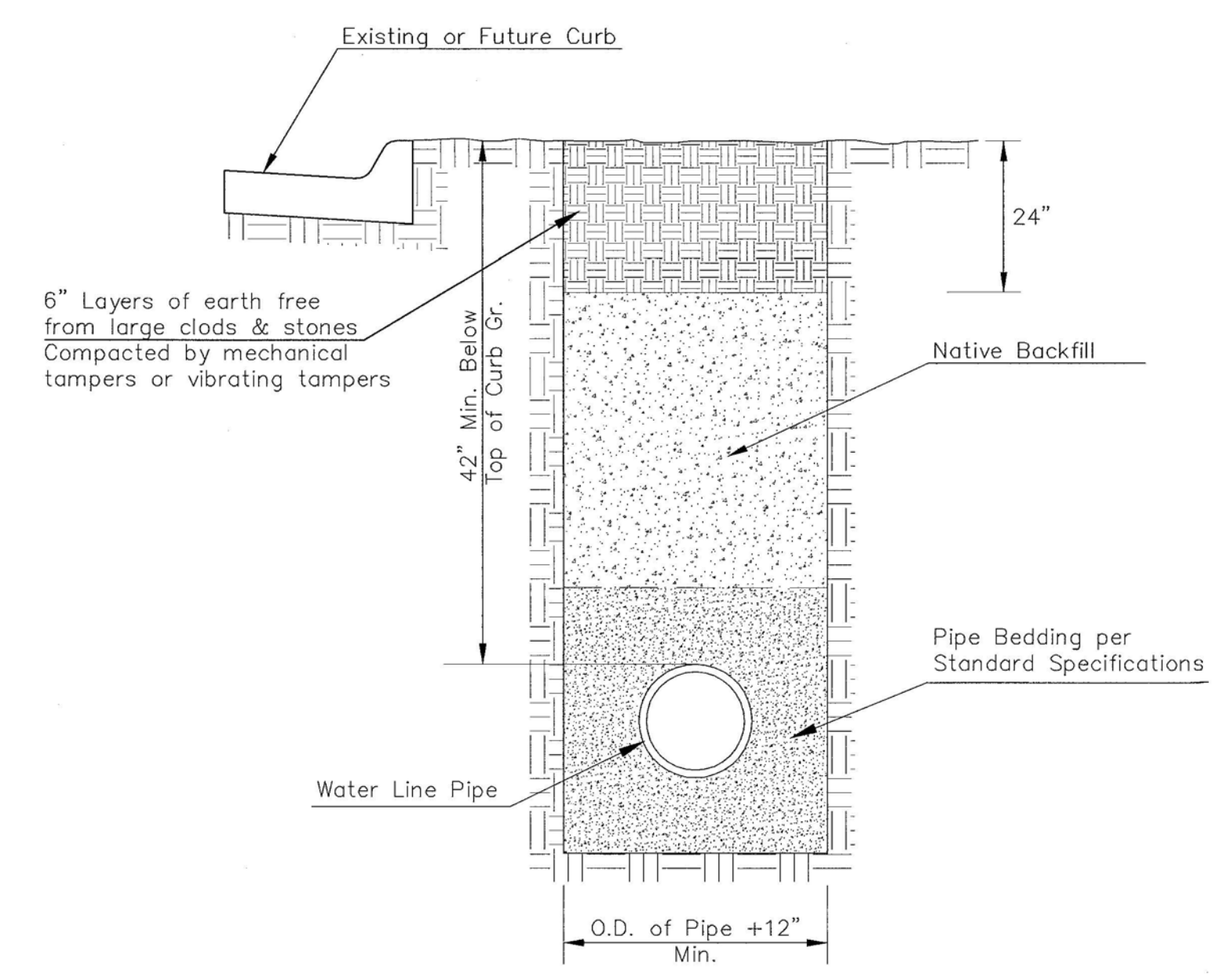
PIPE SIZE	THRUST AT FITTINGS IN TONS-AT 150#/IN ² P					
	PLUG	90°	45°	22 1/2'	11 1/4'	TEE
6"	2.8	3.95	2.15	1.09	.55	2.8
8"	4.9	6.95	3.75	1.90	.96	4.9
12"	11.4	16.1	8.75	4.45	2.25	11.4
16"	20.15	28.5	15.4	7.85	3.95	20.15
20"	31.15	44.0	23.85	12.15	6.10	31.15
24"	44.55	63.0	34.1	17.4	8.75	44.55

TYPICAL THRUST BLOCKS



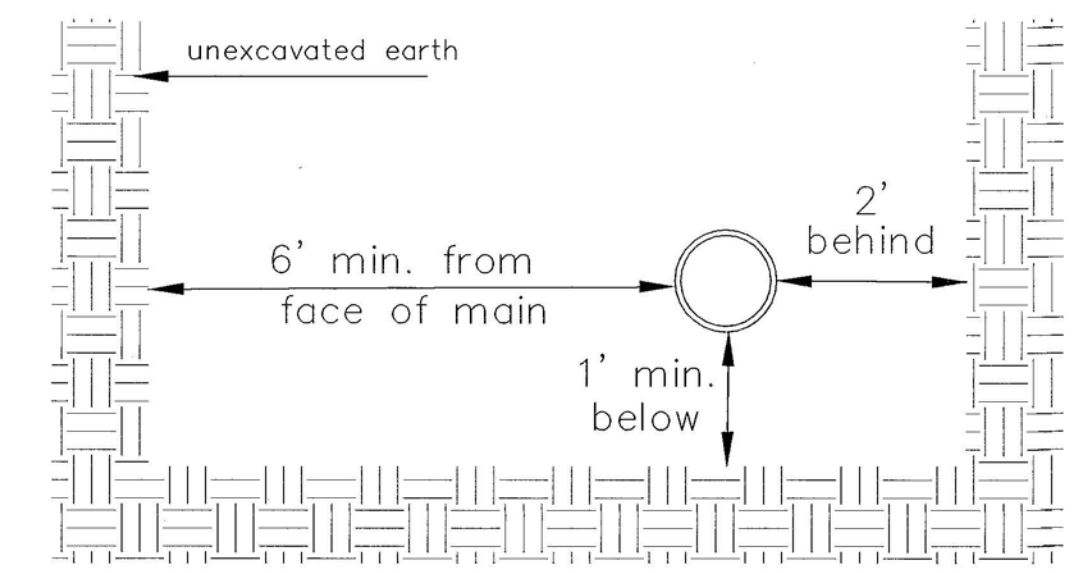
KEY BLOCK DETAIL

* PLANS GOVERN UNLESS OTHERWISE NOTED ON PLANS



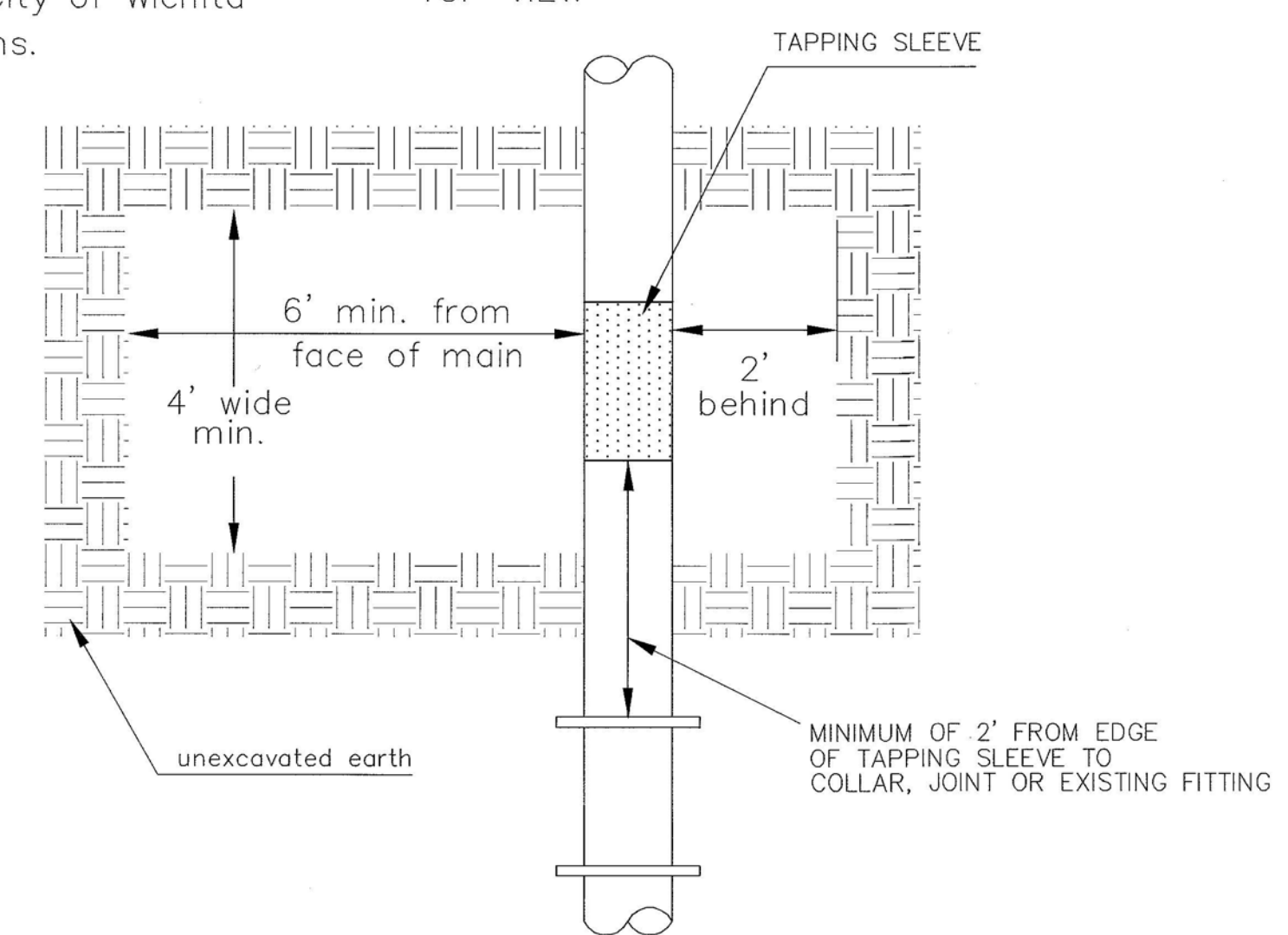
TRENCH COMPACTION IN ROAD RIGHT-OF-WAY

SIDE VIEW

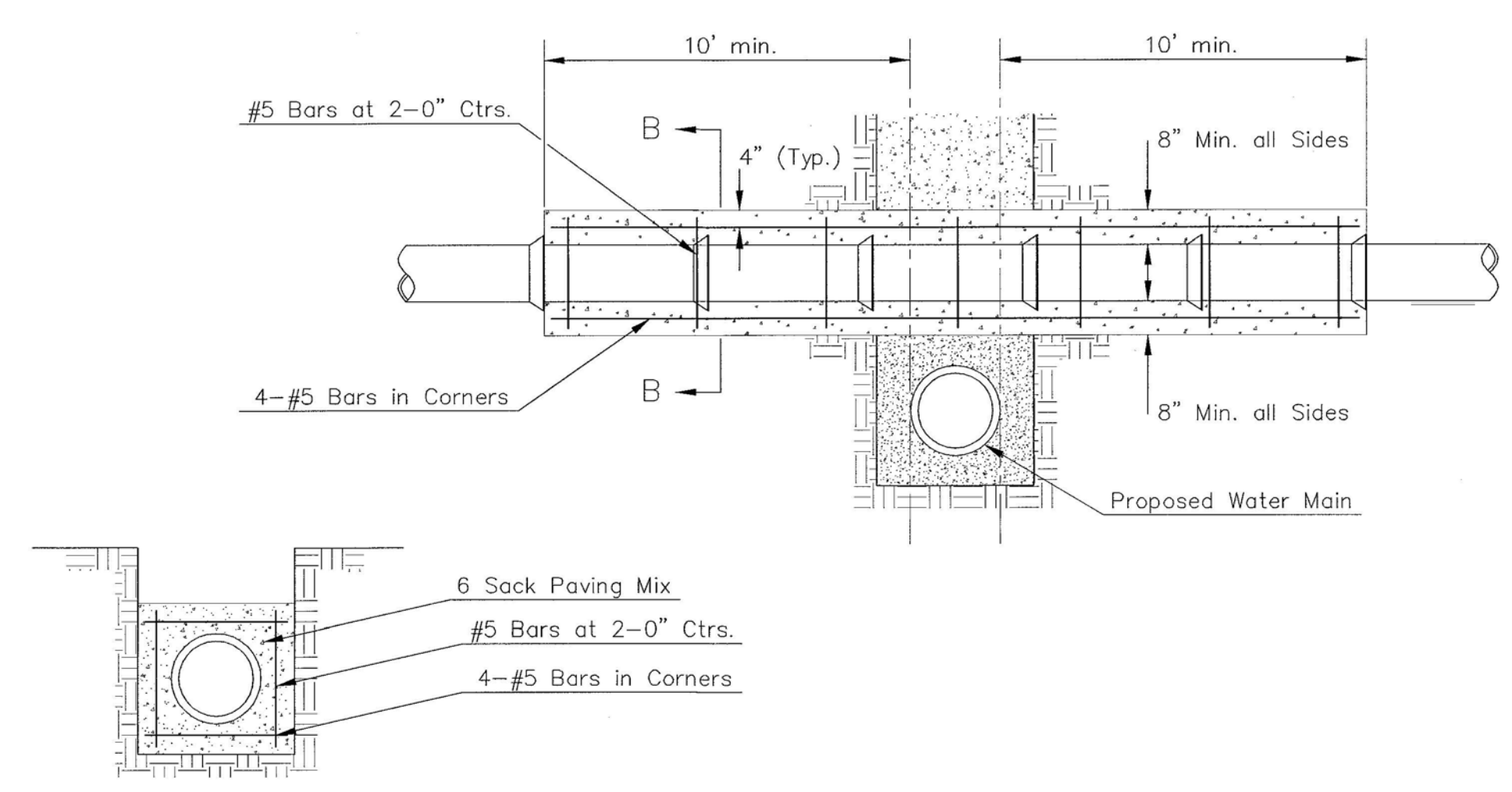


TOP VIEW

Note: When shoring is required it is to be per The City of Wichita Standard Specifications.



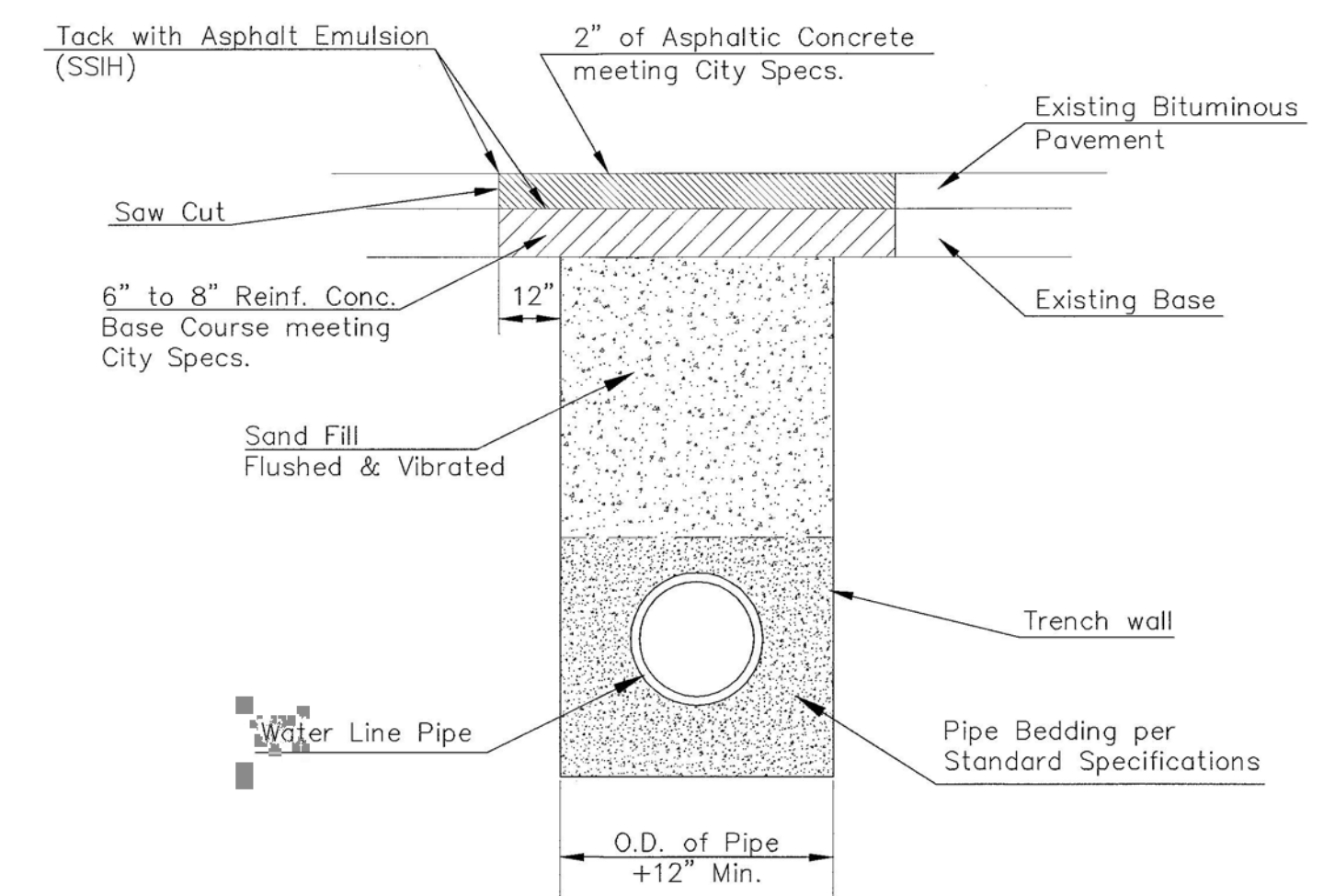
EXCAVATION FOR WET TAP



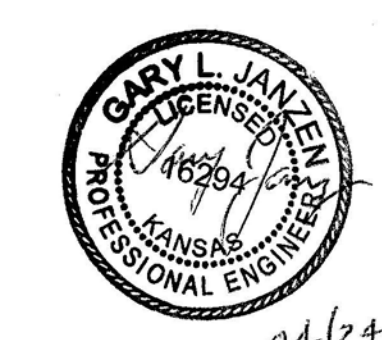
SECTION B-B

REINFORCED CONCRETE ENCASUREMENT OF SANITARY SEWER

Note: Encasement to begin and end at a Bell on Sanitary Sewer Pipe.



PAVEMENT REPLACEMENT & TRENCH COMPACTION UNDER EXISTING AND PROPOSED CITY ROADS



04/24/14

CITY OF WICHITA
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

MISCELLANEOUS WATER DETAILS
CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE
		04/2014

CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

SHEET
_ of _