

GENERAL NOTES

- ALL WATER MAINS AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF WICHITA, KANSAS STANDARD SPECIFICATIONS FOR WATER MAIN INSTALLATIONS.
- CONTRACTOR 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 1-800-344-7233
OR LOCAL (WICHITA) 687-2470

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF EMERGENCY:

| | |
|---------------------------------|--------------|
| COX COMMUNICATIONS (CABLE) | 262-0661 |
| WESTAR (ELECTRIC) | 383-8600 |
| KANSAS GAS SERVICE (GAS) | 832-3101 |
| SBC (TELEPHONE) | 800-870-8390 |
| C.O.W. PUBLIC WORKS & UTILITIES | 262-6000 |
| BLACK HILLS ENERGY (GAS) | 800-303-0357 |

- THE WATER MAIN SHALL BE CONSTRUCTED ON THE ALIGNMENT SHOWN ON THE PLANS. 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 ENGINEER'S APPROVAL, AND SHALL BE INCLUDED IN THE PRICE BID FOR THE INSTALLED WATER PIPE. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.
- 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.
- 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.
- UNDERGROUND UTILITY SERVICE LINES AND OVERHEAD UTILITY POLE LINES ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR. EXISTING UTILITIES AND THEIR LOCATION, 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.
- THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY DIRECTLY ADJUTING CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS NOTICE PRIOR TO START OF CONSTRUCTION.
- 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. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO SITE RESTORATION.
- THE CONTRACTOR SHALL RESTORE ALL DITCHES, SWALES, ROAD SHOULDERS, ENTRANCES AND BANK LINES TO THEIR ORIGINAL SLOPES AND GRADES EXCEPT AS SHOWN OTHERWISE.
- INTERURBAN TRAFFIC GENERATED OUTSIDE THE PROJECT AREA, AND LOCAL BUSINESS OR RESIDENTIAL TRAFFIC GENERATED WITHIN THE PROJECT AREA ARE TO BE CARRIED THROUGH CONSTRUCTION AS FURTHER PROMULGATED BY PROJECT SPECIAL PROVISIONS.
- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES INCLUDING ANY TREES REMOVED AND TREE TRIMMINGS 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 THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
- ALL DISTURBED AREAS TO BE SEEDED WITH RYE GRASS AT A RATE OF 200 LBS. PER ACRE WITHIN 10 DAYS OF CONSTRUCTION. CONTRACTOR TO PREPARE GROUND PER CITY SPECIFICATIONS. COST IS SUBSIDIARY TO SITE PREPARATION AND RESTORATION.
- THE CONTRACTOR SHALL LAY A TRACER WIRE & SET TEST STATIONS ALONG ALL WATER LINE PIPE INSTALLED IN ACCORDANCE WITH CITY OF WICHITA SPECIFICATIONS & TRACER WIRE DETAIL ON DETAIL SHEET. COST IS SUBSIDIARY TO PIPE INSTALLATION.
- CONTRACTOR TO COORDINATE CONSTRUCTION OF WATERLINE WITH OTHER CONSTRUCTION ACTIVITIES ON SITE. THIS INCLUDES SANITARY SEWER AND MASS GRADING PROJECTS.
- WORK DONE UNDER THIS PROJECT IS SUBJECT TO THE CITY OF WICHITA REQUIREMENTS FOR "CONSTRUCTION OF INFRASTRUCTURE IMPROVEMENTS BY PRIVATE CONTRACT". THE CONTRACTOR SHALL BE FAMILIAR AND COMPLY WITH ALL OF THE REQUIREMENTS, INCLUDING BONDING, INSPECTION, TESTING, NOTIFICATION, PROVIDING AS-BUILT DRAWINGS, PAYING FOR ALL NECESSARY CONNECTIONS AND/OR STREET REPAIR FEES AND PROVIDING PIPE MATERIAL AND OTHER CERTIFICATIONS.

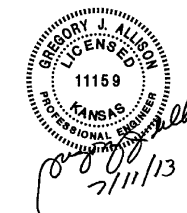
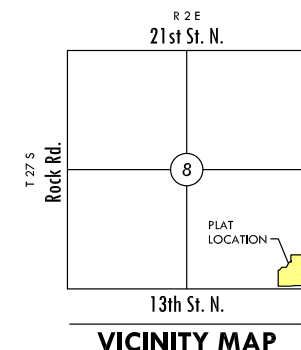
NOTE:
WATER LINE VALVES TO BE OPERATED BY CONTRACTOR ONLY IF WATER INSPECTOR IS ON SITE.

PRIVATE WATER DISTRIBUTION SYSTEM IMPROVEMENTS TO SERVE FOLIAGE CENTER ADDITION

PROJECT NO. 1756PPW

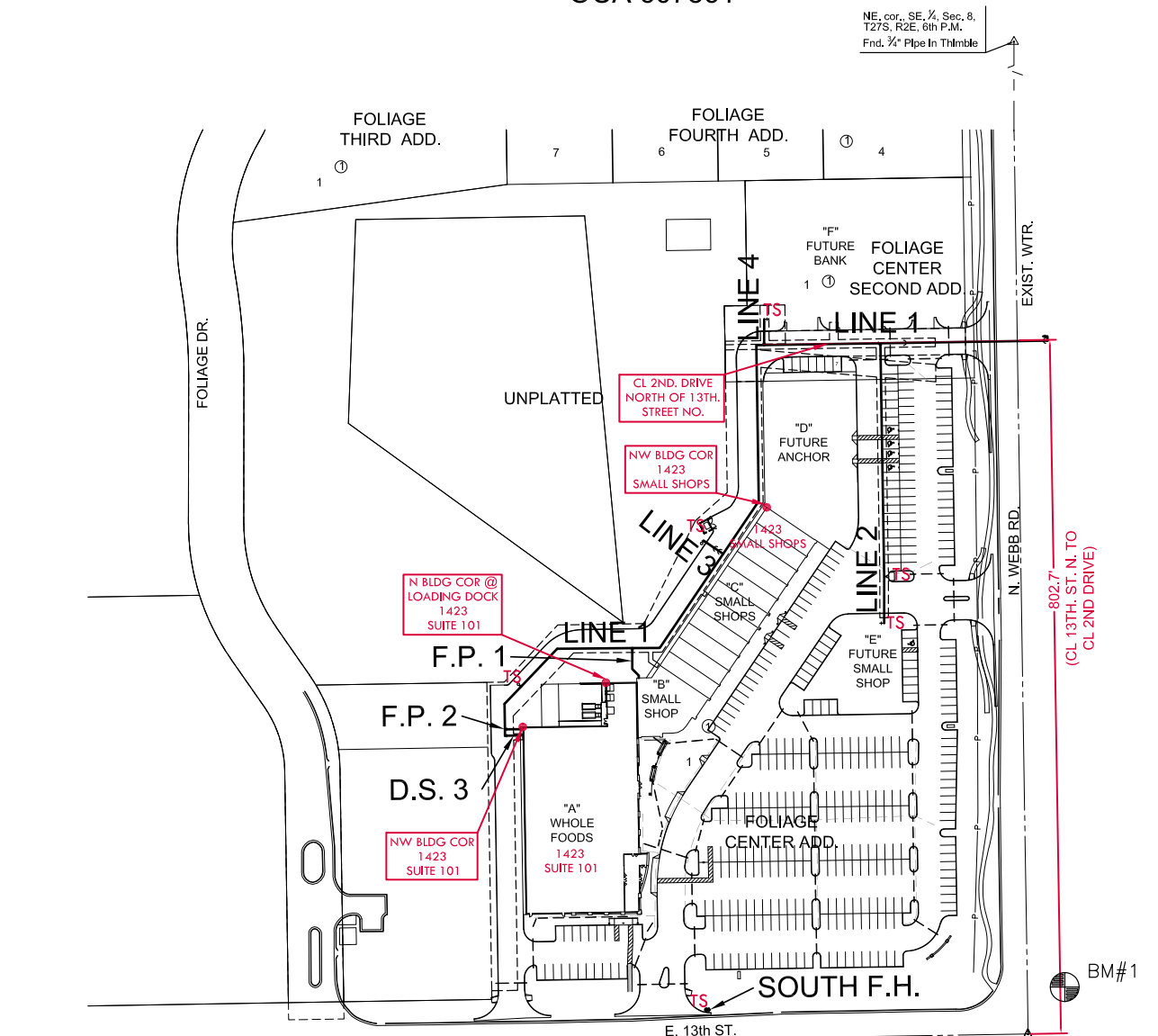
THE CITY OF WICHITA, KANSAS
GARY JANZEN, P.E. - CITY ENGINEER

OCA 607861



INDEX TO DRAWINGS

| SHEET NO. | DESCRIPTION |
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| 5 | LINE 3 & 4 PLAN & PROFILE |
| 6 | FH AND D.S. 1 & 2 PLAN VIEWS |
| 7 | F.P. 1 & 2 & D.S. 3 PLAN & PROFILE |
| 8-9 | FINAL PLATS |



SW corner, SE, 1/4, Sec. 8,
T27S, R2E, 6th P.M.
Fnd. 3/4" Bar w/ MKEC CLS
39 cap

P.O.B.
SE, cor., SE, 1/4, Sec. 8,
T27S, R2E, 6th P.M.
Fnd. 1/2" cap

BENCHMARKS

BM#1 Square cut on SW, corner of signal light pole base at NE, corner of Webb Rd. and 13th St.
Elev. = 1373.345 (NGVD 29)

AS-BUILT PLANS - FEBRUARY 2014

| | | | |
|--|--|--|--|
| INSPECTED BY: LARRY SCHALLER, MKEC ENGINEERING CONSULTANTS, INC CONSTRUCTED BY: PEARSON CONSTRUCTION SUPERINTENDENT: JAIME RODRIGUEZ SUPPLIER: NORTHERN PIPE PRODUCTS | 8" x 4" TEE: 3 8" 90° BEND: 3 8" 45° BEND: 5 8" 22.5° BEND: 1 8" 11.25° BEND: 2 8" TEE: 5 | 8" GATE VALVE (CLOW): 5 8" C900: 1306 LF FIRE HYDRANT (CLOW): 4 | 2" SCH 40: 19 LF 8" DI CL: 74 LF 1" HDPE: 33 LF |
|--|--|--|--|

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA,
BY WICHITA WATER & SEWER DEPARTMENT,
& BY WICHITA FIRE DEPARTMENT

Water Mains (Public Works) *Julianne Kallman 7-16-13*
Water Mains (Water & Sewer Dept.) *Shae Jolly 7-16-13*
Fire Prot. Line (Fire Dept.) *Bob Simpson 7-17-2013*

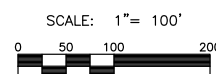
NOTE TO CONTRACTORS

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 Professional Engineer licensed in the state of Kansas. No work shall be performed in dedicated easements or public rights-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).

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. The Contractor shall not commence work without notification to 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.

LEGEND

— EXISTING WATER
— PROPOSED WATER



NOTE: ALL LINES TO BE INSTALLED BY OTHERS ARE SUBJECT TO OCI REVIEW

NOTE: CONTRACTOR TO VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

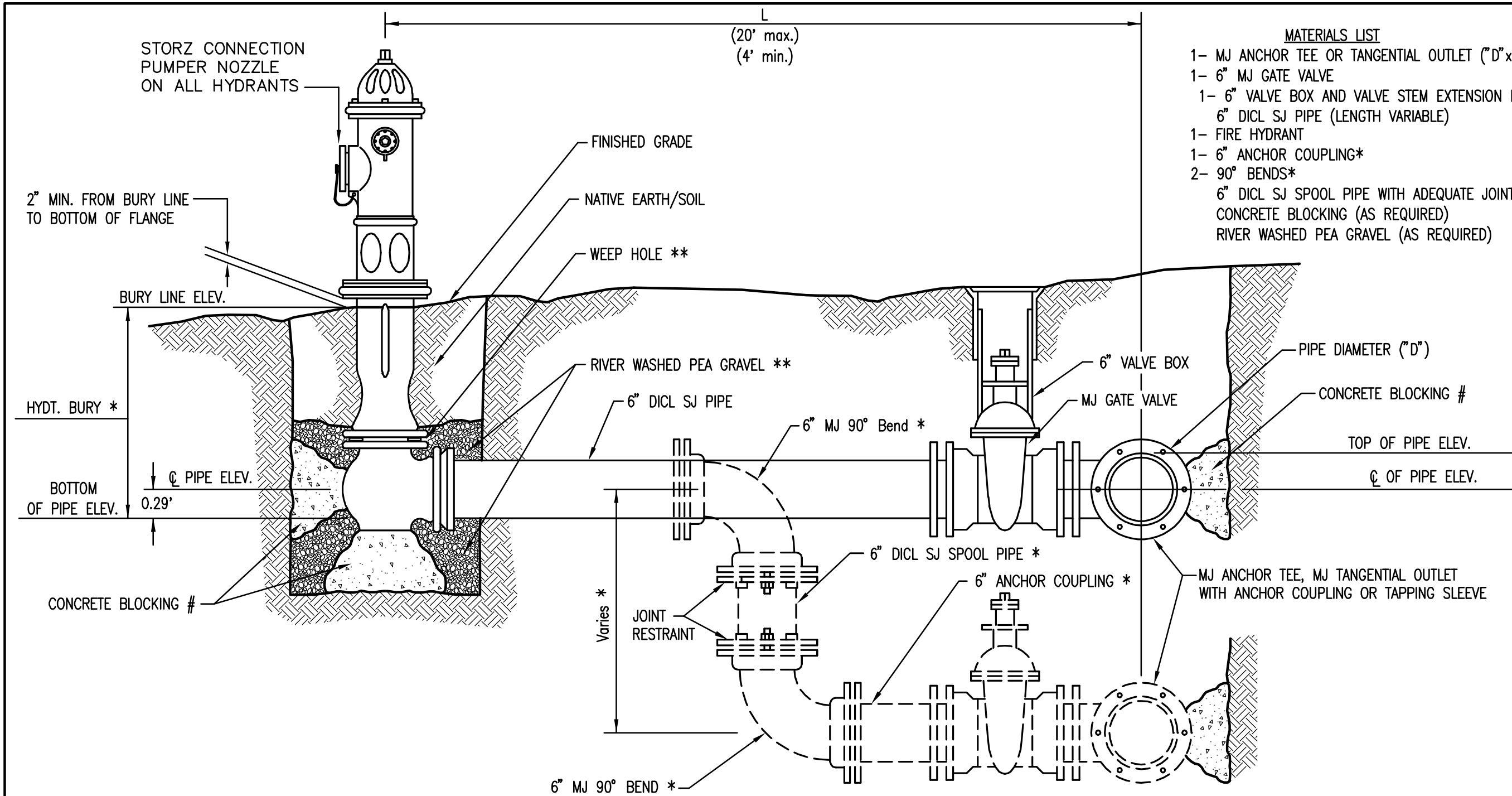
WATER DISTRIBUTION PLANS FOR
FOLIAGE CENTER ADDITION

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TITLE SHEET

| | | |
|-------------|-----------|---------|
| PROJECT NO. | 1756PPW | |
| DATE | JUNE 2013 | |
| SCALE | 1"=100' | |
| DESIGNED | DRAWN | CHECKED |
| SLF | SPE | GJA |
| # | REVISION | DATE |
| NO. | | |

SHEET NO.



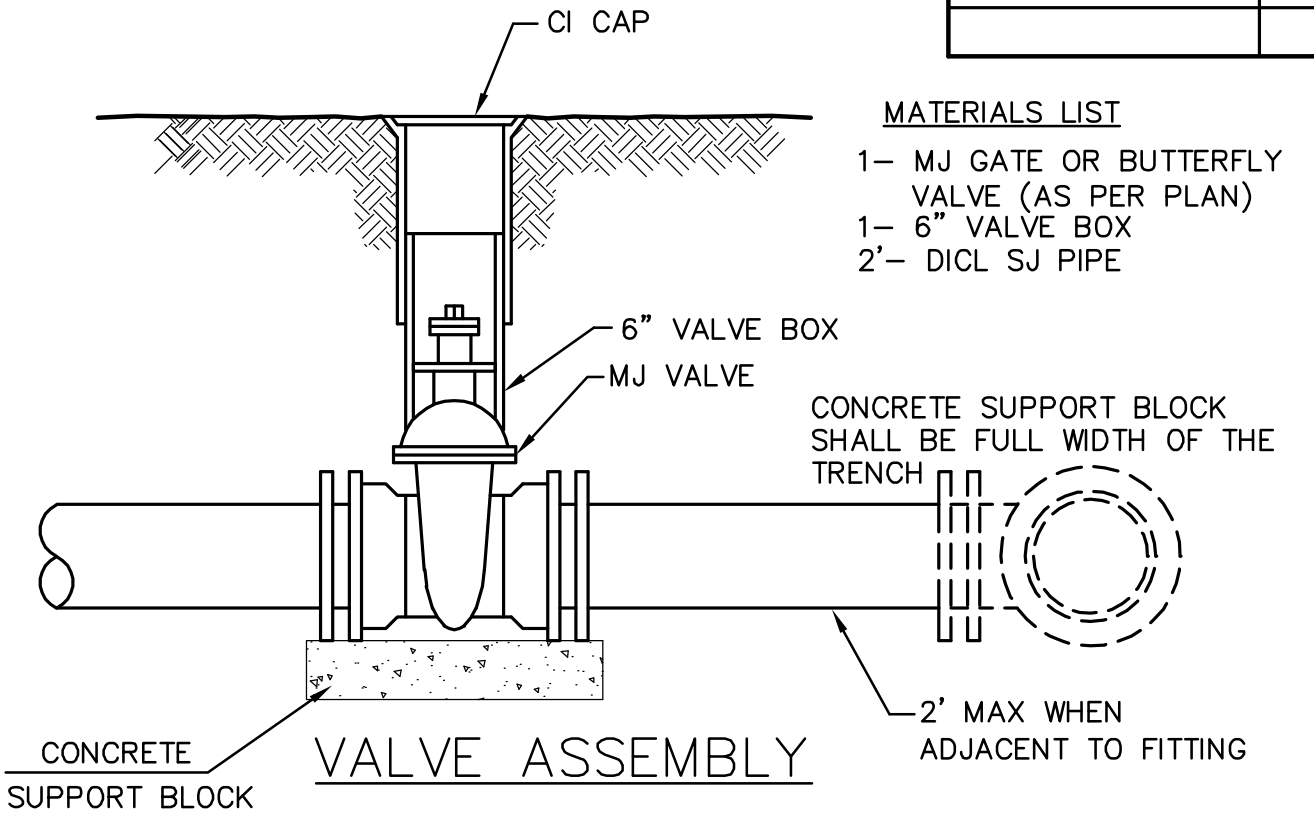
- MATERIALS LIST**
- 1- MJ ANCHOR TEE OR TANGENTIAL OUTLET (0" x 6")
 - 1- 6" MJ GATE VALVE
 - 1- 6" VALVE BOX AND VALVE STEM EXTENSION IF REQUIRED *
 - 6" DICL SJ PIPE (LENGTH VARIABLE)
 - 1- FIRE HYDRANT
 - 1- 6" ANCHOR COUPLING*
 - 2- 90° BENDS*
 - 6" DICL SJ SPOOL PIPE WITH ADEQUATE JOINT RESTRAINT *
 - CONCRETE BLOCKING (AS REQUIRED)
 - RIVER WASHED PEA GRAVEL (AS REQUIRED)

- * IF THE REQUIRED HYDRANT BURY IS IN EXCESS OF 5', BUT LESS THAN 7', CONTRACTOR SHALL USE STANDARD 5" HYDRANT BURY AND HYDRANT BARREL EXTENSIONS AS NECESSARY. IF THE REQUIRED HYDRANT BURY IS GREATER THAN 7', CONTRACTOR SHALL USE 5" HYDRANT BURY, 2-MJ 90° BENDS, 6" ANCHOR COUPLING AND 6" DICL SPOOL PIPE AS NECESSARY FOR VERTICAL ADJUSTMENT. THE CONTRACTOR SHALL PROVIDE ADEQUATE THRUST BLOCKING AT HYDRANT AND MEGALUGS, ROD AND LUG OR SIMILAR RESTRAINT BETWEEN 90° BENDS TO SECURE ALL FITTINGS DURING TESTING AND OPERATION. THE CONTRACTOR SHALL PROVIDE A VALVE STEM EXTENSION PER DETAIL THIS SHEET.
- ** CAUTION WEEP HOLES TO BE KEPT CLEAR DURING CONSTRUCTION AND BACKFILL. CONCRETE FOR THRUST BLOCKING SHALL NOT OBSTRUCT WEEP HOLES. PLACE 1 CUBIC FOOT OF RIVER WASHED PEA GRAVEL AROUND EACH WEEP HOLE.
- # CONCRETE THRUST BLOCKING SHALL BE KEPT CLEAR OF BOLTS, NUTS, AND MJ ACCESSORIES.

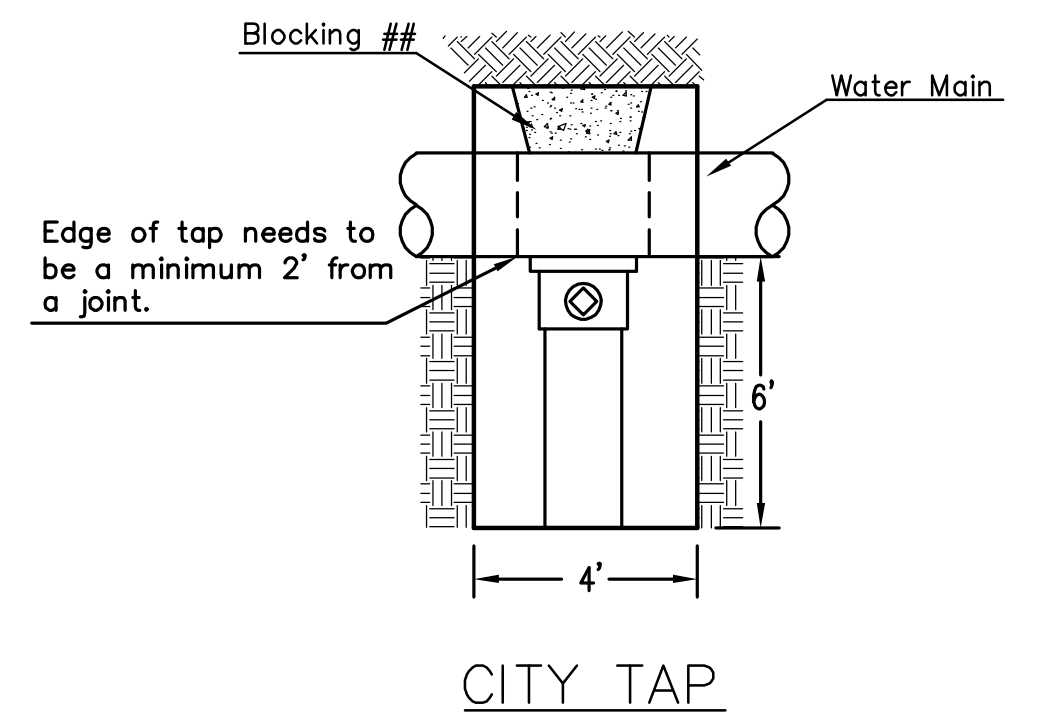
FIRE HYDRANT ASSEMBLY
PER CITY OF WICHITA SPECIFICATIONS

FIRE HYDRANTS REQUIRED

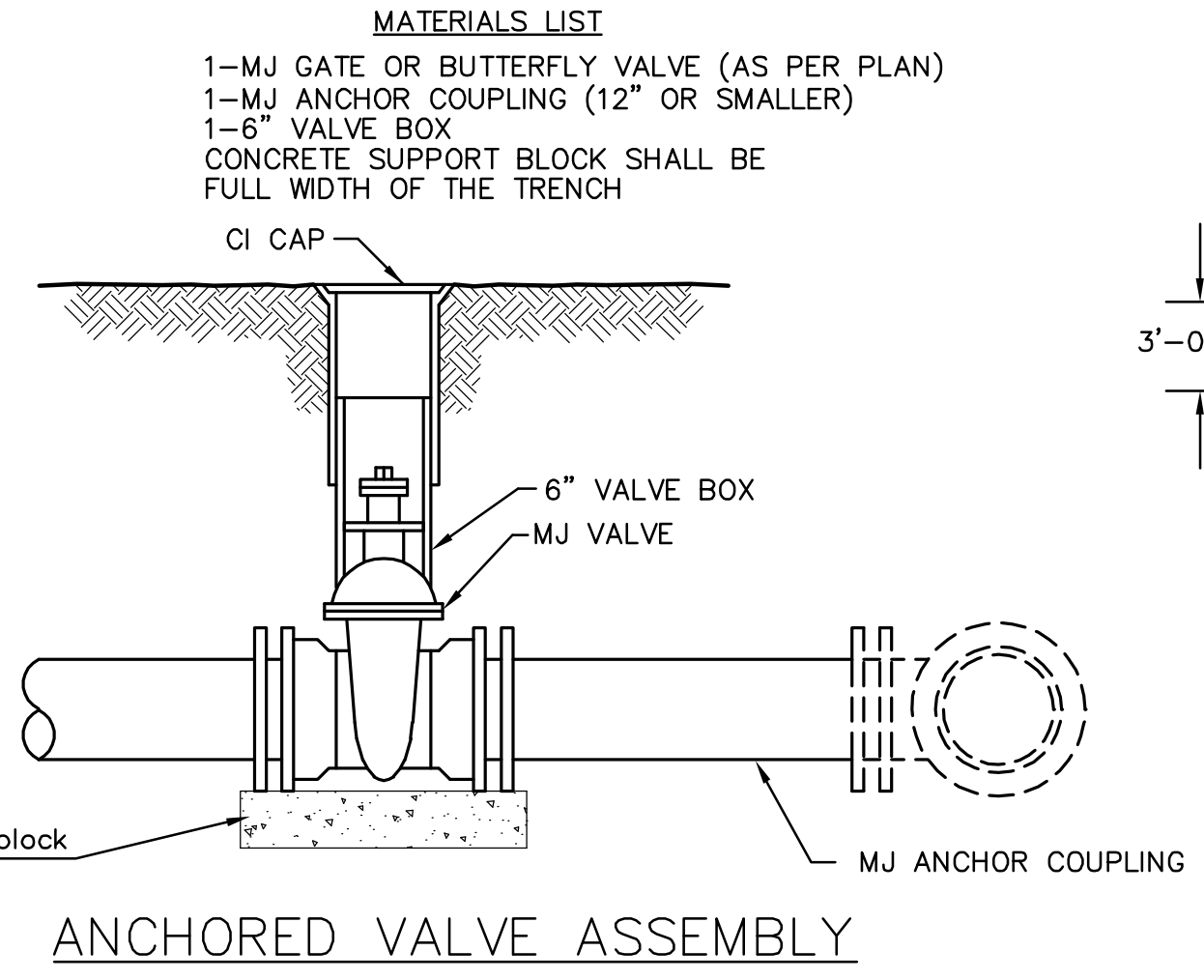
| STATION | BURY LINE ELEVATION | TOP OF PIPE ELEVATION | FIRE HYDRANT BURY REQUIRED* | VALVE STEM EXT. REQUIRED (ft)* |
|-------------|---------------------|-----------------------|-----------------------------|--------------------------------|
| 18+97.00 L1 | 1376.40 | 1371.57 | 5.5' | |
| 12+70.05 L2 | 1376.40 | 1372.06 | 5.0' | |
| 10+27.36 L3 | 1378.40 | 1371.07 | 8.0' | |
| | | | | |
| | | | | |
| | | | | |



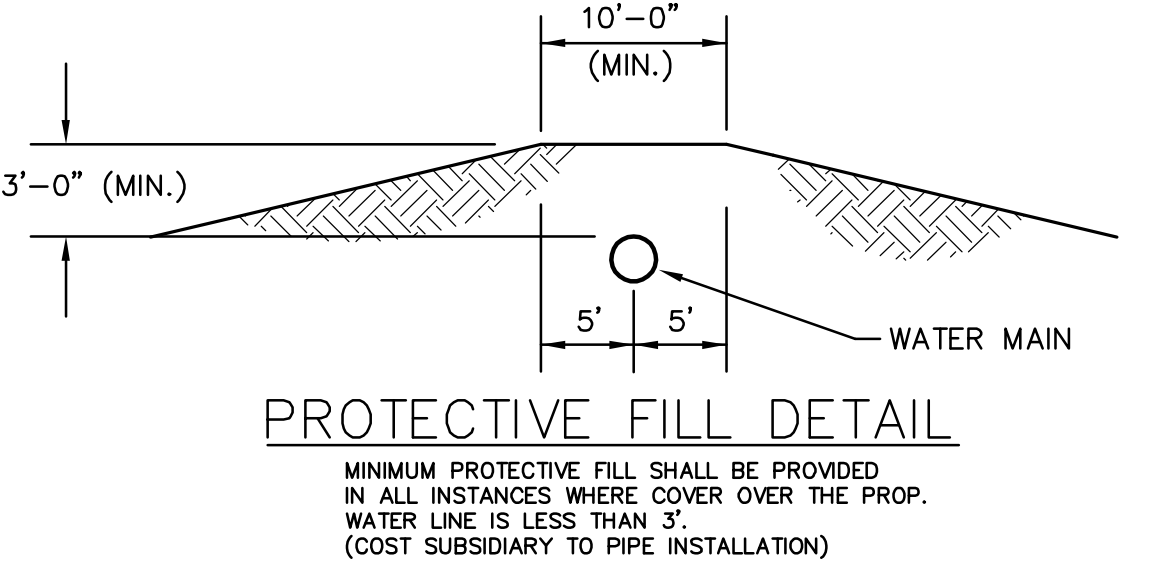
- MATERIALS LIST**
- 1- MJ GATE OR BUTTERFLY VALVE (AS PER PLAN)
 - 1- 6" VALVE BOX
 - 2- DICL SJ PIPE



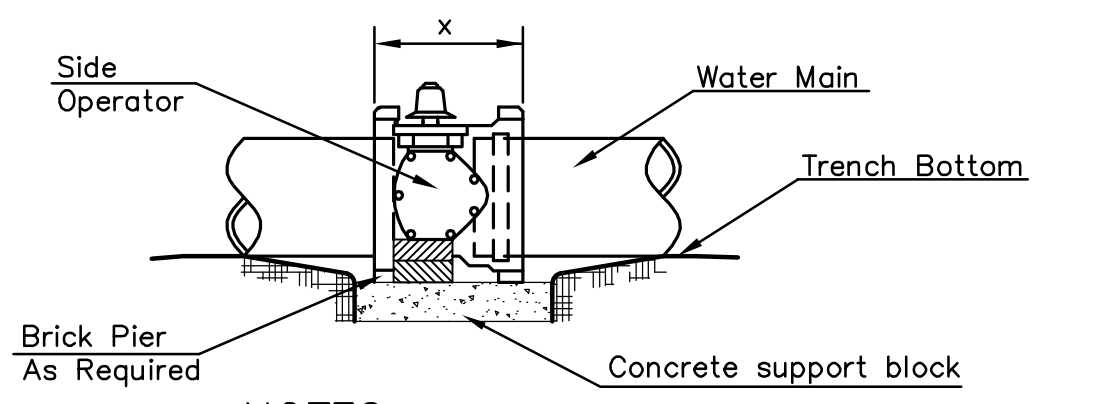
When the City of Wichita makes tap, blocking is to be done by Contractor



- MATERIALS LIST**
- 1- MJ GATE OR BUTTERFLY VALVE (AS PER PLAN)
 - 1- MJ ANCHOR COUPLING (12" OR SMALLER)
 - 1- 6" VALVE BOX
 - CONCRETE SUPPORT BLOCK SHALL BE FULL WIDTH OF THE TRENCH

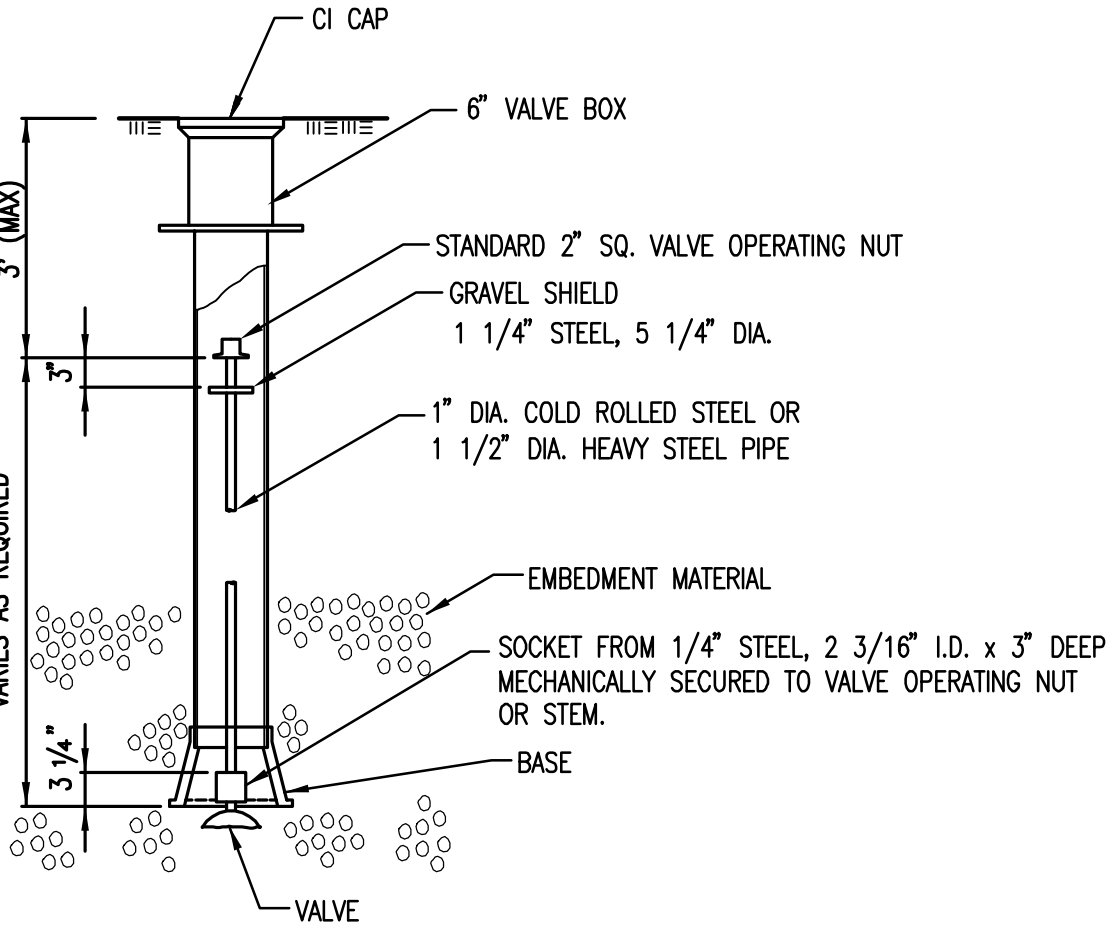


MINIMUM PROTECTIVE FILL SHALL BE PROVIDED IN ALL INSTANCES WHERE COVER OVER THE PROP. WATER LINE IS LESS THAN 3". (COST SUBSIDIARY TO PIPE INSTALLATION)

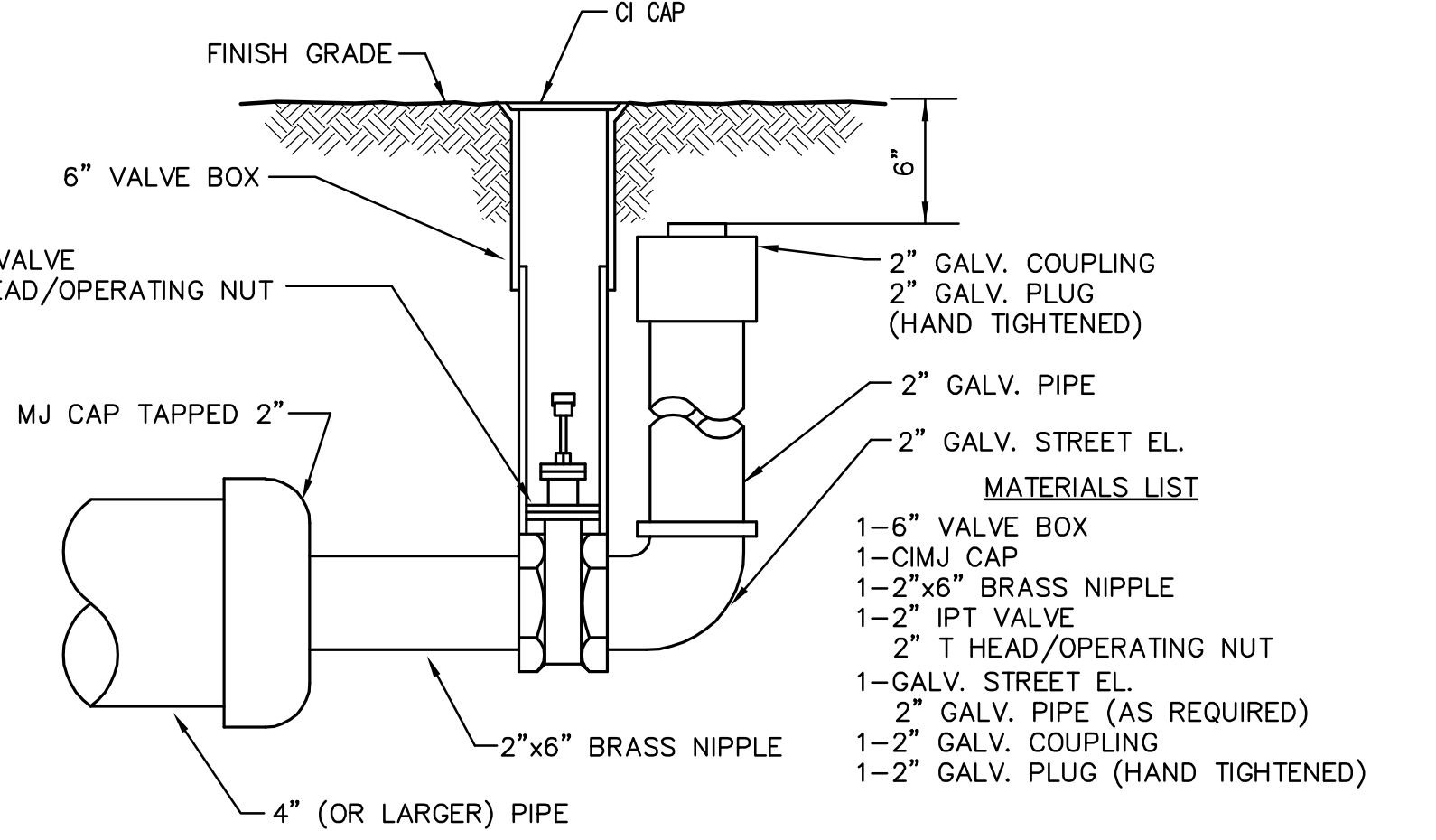


- NOTES**
- This detail covers Butterfly Valve installation, inclusive, regardless of type of pipe or joint used. 24" and larger lines to be detailed on plans.
 - 6" Valve Box and Cover required per City of Wichita Std. Specifications.
 - Conc. Support Block to be full width of trench.

CONCRETE SUPPORT BLOCKING FOR BUTTERFLY VALVE INSTALLATION



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



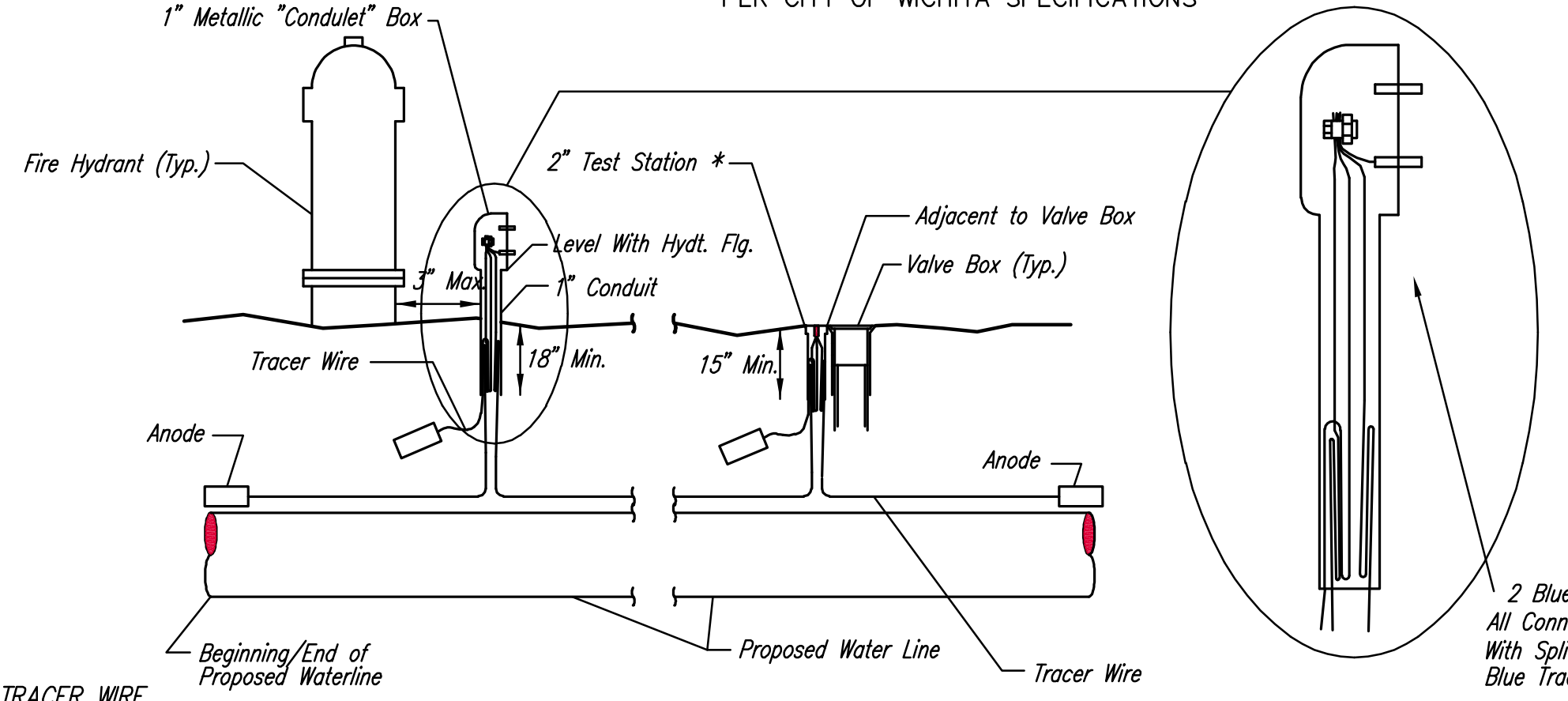
2" BLOWOFF ASSEMBLY

CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

STANDARD WATER ASSEMBLY DETAIL

CITY ENGINEER
GARY JANZEN, P.E.

| | | |
|--|----------------------|-----------------|
| PROJECT NUMBER 1756PPW | OCA NUMBER 607861 | DATE 08/2012 |
| CITY ENGINEER'S OFFICE CITY HALL - SEVENTH FLOOR 455 NORTH MAIN STREET WICHITA, KANSAS 67202-1620 (316) 268-4501 | | DESIGN DRAWN |
| SHEET | | 2 of 9 |



* FLUSH STYLE TEST STATIONS SHALL ONLY BE USED IN PAVEMENT.

2 Blue Wires and 1 Black Wire All Connected to Single Test Lead With Split Bolt Connection and Blue Tracer Wire

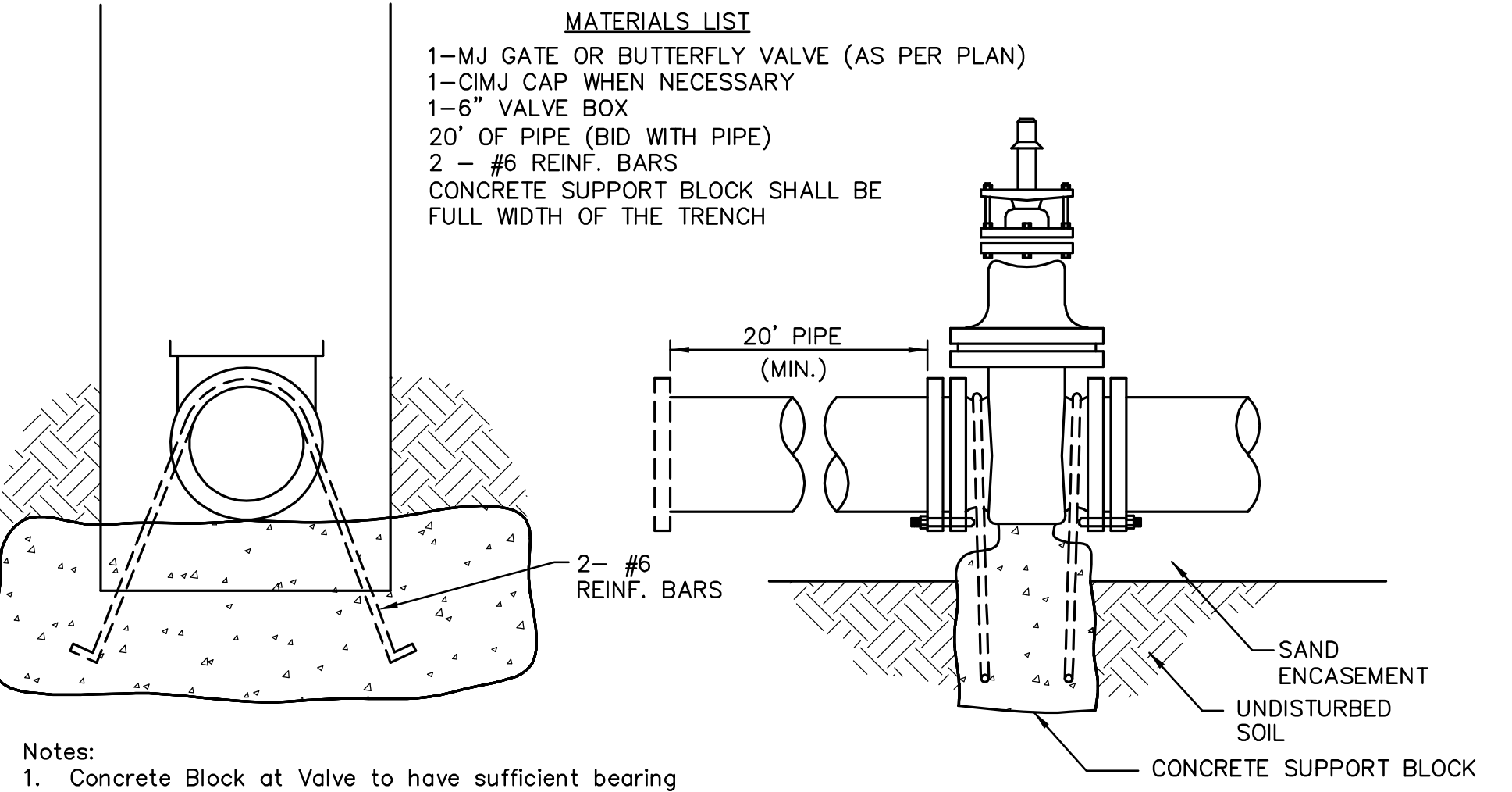
TRACER WIRE
Conductive type pipe locator/tracer wire shall be installed to locate all waterline pipe regardless of pipe material. The wire shall extend the entire length of the proposed pipe. The wire shall be taped to the waterline and pulled with the pipe. Split-bolt connectors shall be used at splice locations. Electrical tape shall cover all splices so no bare wire is exposed. Test stations shall be installed adjacent to all fire hydrants along the waterline and at blowoffs or valves near the ends of the waterlines. Any exceptions to the location of test stations shall be approved by the engineer. At each test station, the tracer wire shall be connected to a 3 lb. Zinc or magnesium anode. Anodes shall also be attached to the tracer wire at both the beginning and the end of the proposed waterline. A typical layout of the tracer wire and test station is provided in the above figure.

WIRE
The tracer wire shall be Blue No. 12 THHN annealed soft copper wire with thermal plastic insulation or Blue No. 12 AWG CCS with 30 mil HDPE insulation. The insulation shall be heat, oil, and gasoline resistant as manufactured by Temple Electric or approved equal. To allow for grade adjustment, a minimum of 12" of excess wire shall be coiled at the bottom of the test station for all wires. The insulation sheathing shall be removed such that 1" bare copper wire at all points of connection. Contractor shall attach wire being installed with proposed water main to any tracer wire installed with adjacent waterline projects.

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

ANODES
The anodes shall be 3 lb. bare zinc or magnesium. The anodes shall be buried at the same elevation as the waterline at each test station. The anodes shall be connected to Black No. 12 THHN annealed soft copper wire which shall be extended to the test station.

TRACER WIRE DETAIL
COST IS SUBSIDIARY TO PIPE INSTALLATION



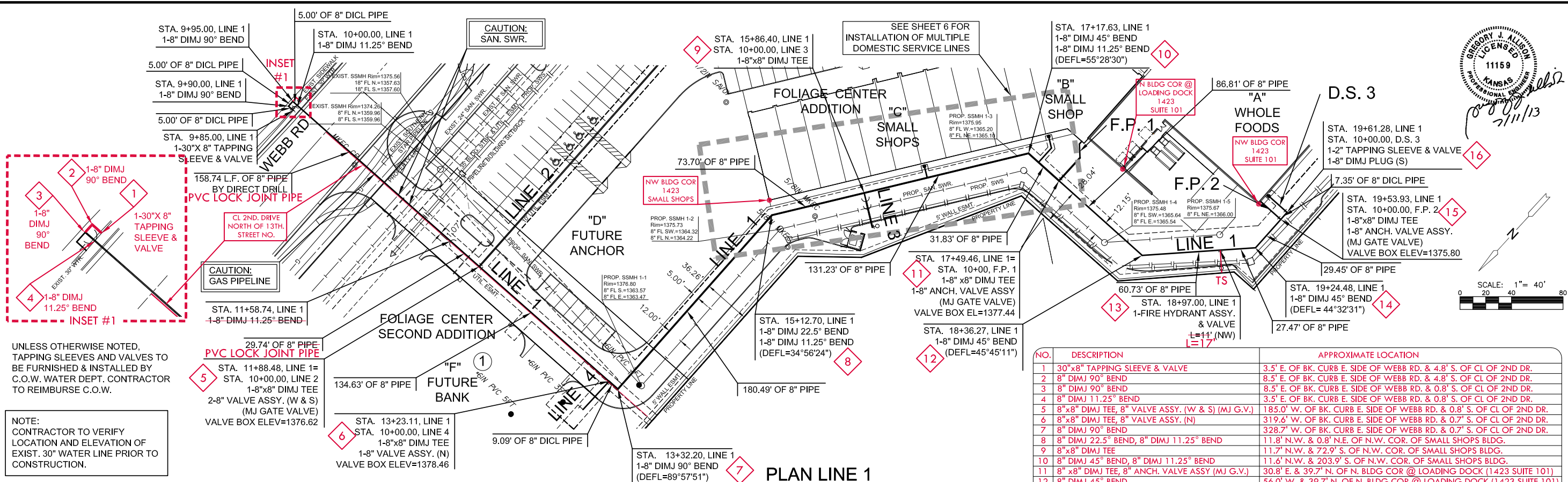
- MATERIALS LIST**
- 1- MJ GATE OR BUTTERFLY VALVE (AS PER PLAN)
 - 1- CI MJ CAP WHEN NECESSARY
 - 1- 6" VALVE BOX
 - 20' OF PIPE (BID WITH PIPE)
 - 2 - #6 REINF. BARS
 - CONCRETE SUPPORT BLOCK SHALL BE FULL WIDTH OF THE TRENCH

- Notes:**
- Concrete Block at Valve to have sufficient bearing in undisturbed soil to prevent thrust movement as shown in table at right. Field Engineer to determine thrust loading of undisturbed soil and final size of thrust block.
 - The thrust block shall be constructed such that bolts, nuts, and other MJ accessories are kept clear of concrete.
 - All valves at dead ends and at other locations as called out on the plans shall be blocked as shown here.

THRUST AT VALVES

| VALVE | THRUST AT 150 #/sq |
|-------|--------------------|
| 4" | 1809 lbs. |
| 6" | 4245 lbs. |
| 8" | 7540 lbs. |
| 12" | 16965 lbs. |

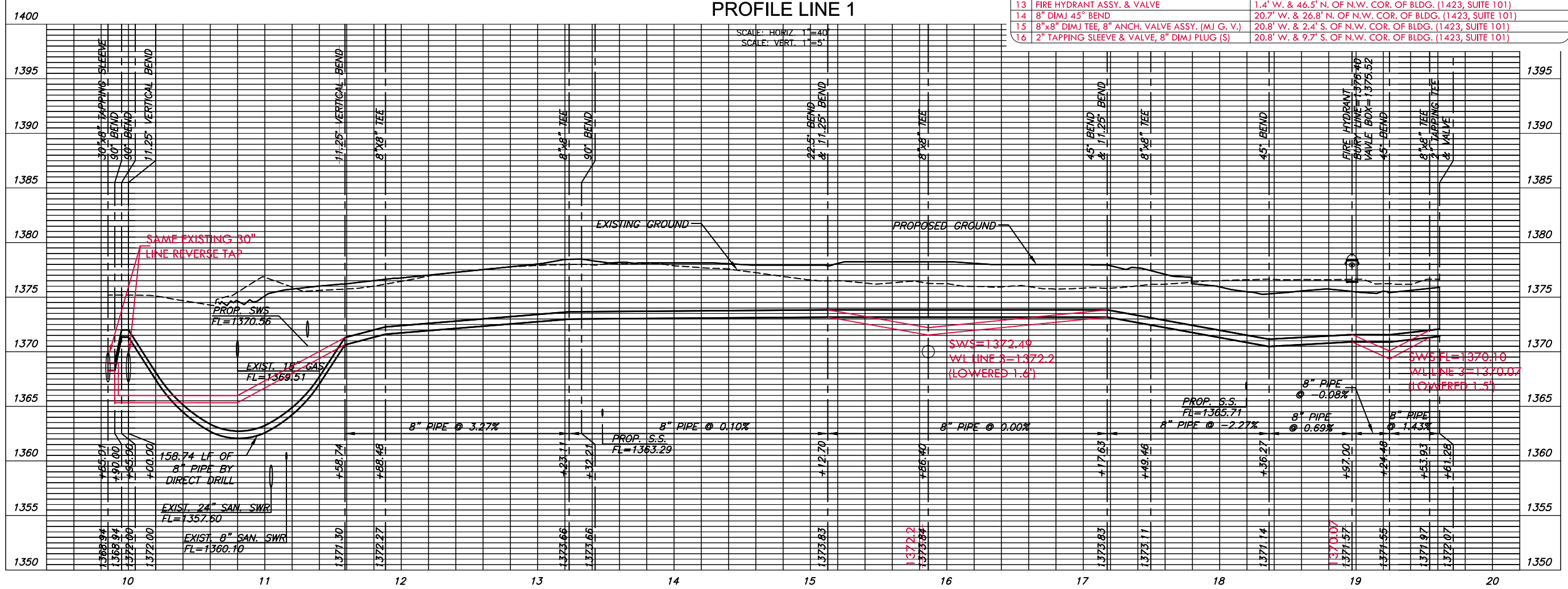
PROFESSIONAL ENGINEER
 11159
 7/11/13



UNLESS OTHERWISE NOTED, TAPPING SLEEVES AND VALVES TO BE FURNISHED & INSTALLED BY C.O.W. WATER DEPT. CONTRACTOR TO REIMBURSE C.O.W.

NOTE: CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXIST. 30" WATER LINE PRIOR TO CONSTRUCTION.

| NO. | DESCRIPTION | APPROXIMATE LOCATION |
|-----|--|--|
| 1 | 30"x8" TAPPING SLEEVE & VALVE | 3.5' E. OF BK. CURB E. SIDE OF WEBB RD. & 4.8' S. OF CL OF 2ND DR. |
| 2 | 8" DIMJ 90° BEND | 8.5' E. OF BK. CURB E. SIDE OF WEBB RD. & 4.8' S. OF CL OF 2ND DR. |
| 3 | 8" DIMJ 90° BEND | 8.5' E. OF BK. CURB E. SIDE OF WEBB RD. & 0.8' S. OF CL OF 2ND DR. |
| 4 | 8" DIMJ 11.25° BEND | 3.5' E. OF BK. CURB E. SIDE OF WEBB RD. & 0.8' S. OF CL OF 2ND DR. |
| 5 | 8"x8" DIMJ TEE, 8" VALVE ASSY. (W & S) (MJ G.V.) | 185.0' W. OF BK. CURB E. SIDE OF WEBB RD. & 0.8' S. OF CL OF 2ND DR. |
| 6 | 8"x8" DIMJ TEE, 8" VALVE ASSY. (N) | 319.6' W. OF BK. CURB E. SIDE OF WEBB RD. & 0.7' S. OF CL OF 2ND DR. |
| 7 | 8" DIMJ 90° BEND | 328.7' W. OF BK. CURB E. SIDE OF WEBB RD. & 0.7' S. OF CL OF 2ND DR. |
| 8 | 8" DIMJ 22.5° BEND, 8" DIMJ 11.25° BEND | 11.8' N.W. & 0.8' N.E. OF N.W. COR. OF SMALL SHOPS BLDG. |
| 9 | 8"x8" DIMJ TEE | 11.7' N.W. & 72.9' S. OF N.W. COR. OF SMALL SHOPS BLDG. |
| 10 | 8" DIMJ 45° BEND, 8" DIMJ 11.25° BEND | 11.6' N.W. & 203.9' S. OF N.W. COR. OF SMALL SHOPS BLDG. |
| 11 | 8" x8" DIMJ TEE, 8" ANCH. VALVE ASSY (MJ G.V.) | 30.8' E. & 39.7' N. OF N. BLDG COR @ LOADING DOCK (1423 SUITE 101) |
| 12 | 8" DIMJ 45° BEND | 56.0' W. & 39.7' N. OF N. BLDG COR @ LOADING DOCK (1423 SUITE 101) |
| 13 | FIRE HYDRANT ASSY. & VALVE | 1.4' W. & 46.5' N. OF N.W. COR. OF BLDG. (1423, SUITE 101) |
| 14 | 8" DIMJ 45° BEND | 20.7' W. & 26.8' N. OF N.W. COR. OF BLDG. (1423, SUITE 101) |
| 15 | 8"x8" DIMJ TEE, 8" ANCH. VALVE ASSY. (MJ G.V.) | 20.8' W. & 2.4' S. OF N.W. COR. OF BLDG. (1423, SUITE 101) |
| 16 | 2" TAPPING SLEEVE & VALVE, 8" DIMJ PLUG (S) | 20.8' W. & 9.7' S. OF N.W. COR. OF BLDG. (1423, SUITE 101) |



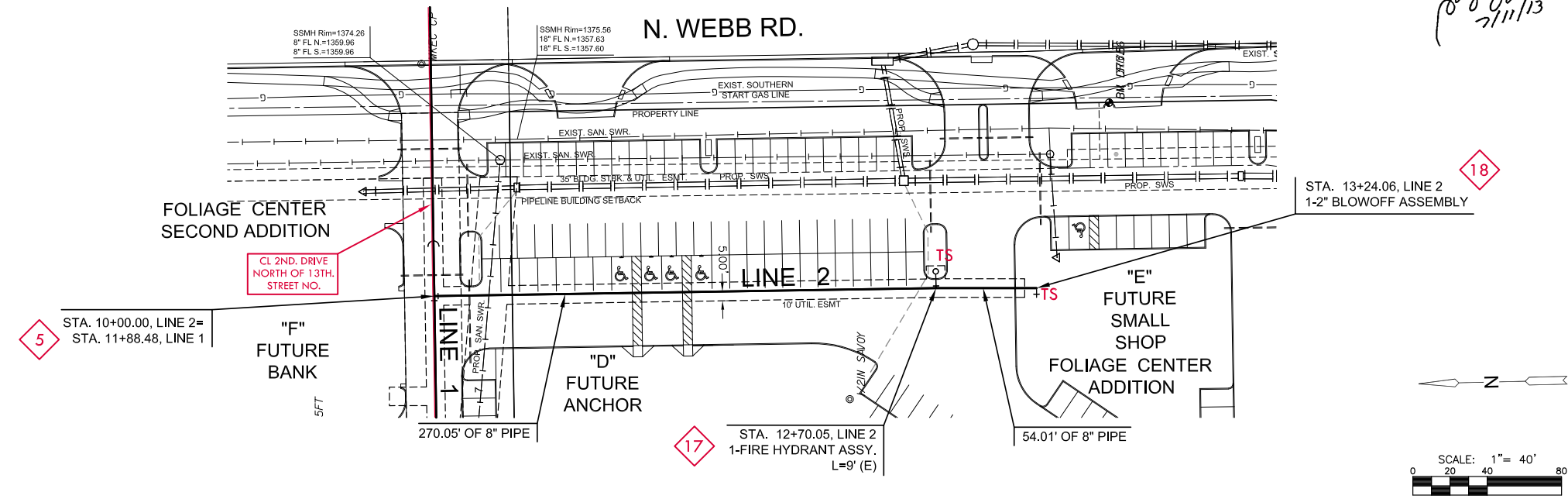
WATER DISTRIBUTION PLANS FOR
FOLIAGE CENTER ADDITION

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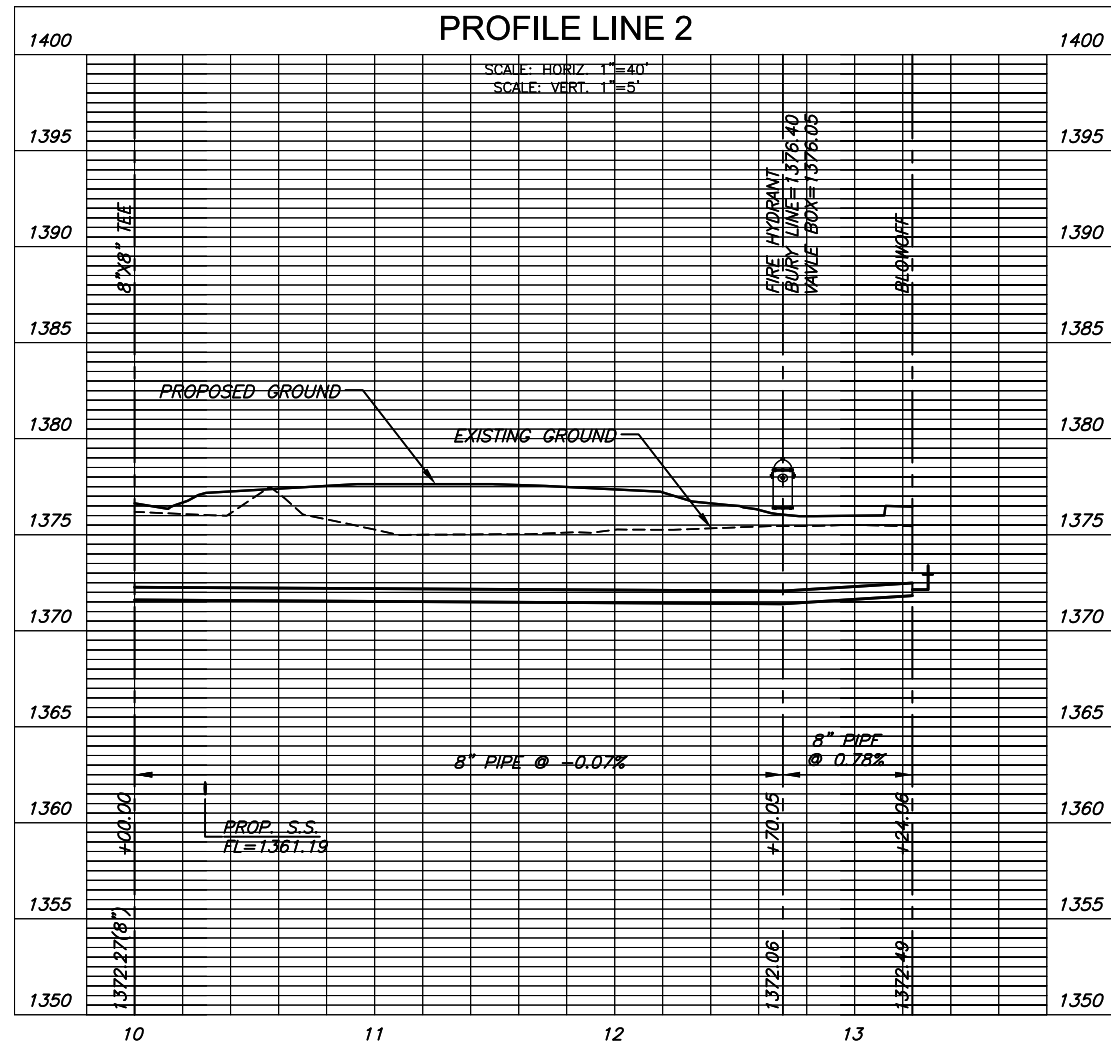
LINE 1 PLAN & PROFILE

| | |
|-------------|-----------|
| PROJECT NO. | 1756PPW |
| DATE | JUNE 2013 |
| SCALE | 1"=40' |
| DESIGNED | SLF |
| DRAWN | SPE |
| CHECKED | GJA |
| # | ###/##/## |
| NO. | REVISION |
| | DATE |

GREGORY J. ALLISON
 LICENSED
 11159
 KANSAS
 PROFESSIONAL ENGINEER
Gregory J. Allison
 7/11/13



**PLAN LINE 2
 PROFILE LINE 2**



| NO. | DESCRIPTION | APPROXIMATE LOCATION |
|-----|--|--|
| 5 | 8"x8" DIMJ TEE, 8" VALVE ASSY. (W & S) (MJ G.V.) | 185.0' W. OF BK. CURB E. SIDE OF WEBB RD. & 0.8' S. OF CL OF 2ND DR. |
| 17 | FIRE HYDRANT ASSY., 8"x6" TEE | 184.8' W. OF BK. CURB E. SIDE OF WEBB RD. & 273.3' S. OF CL OF 2ND DR. |
| 18 | 2" BLOWOFF ASSEMBLY | 185.7' W. OF BK. CURB E. SIDE OF WEBB RD. & 327.8' S. OF CL OF 2ND DR. |

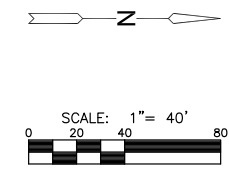
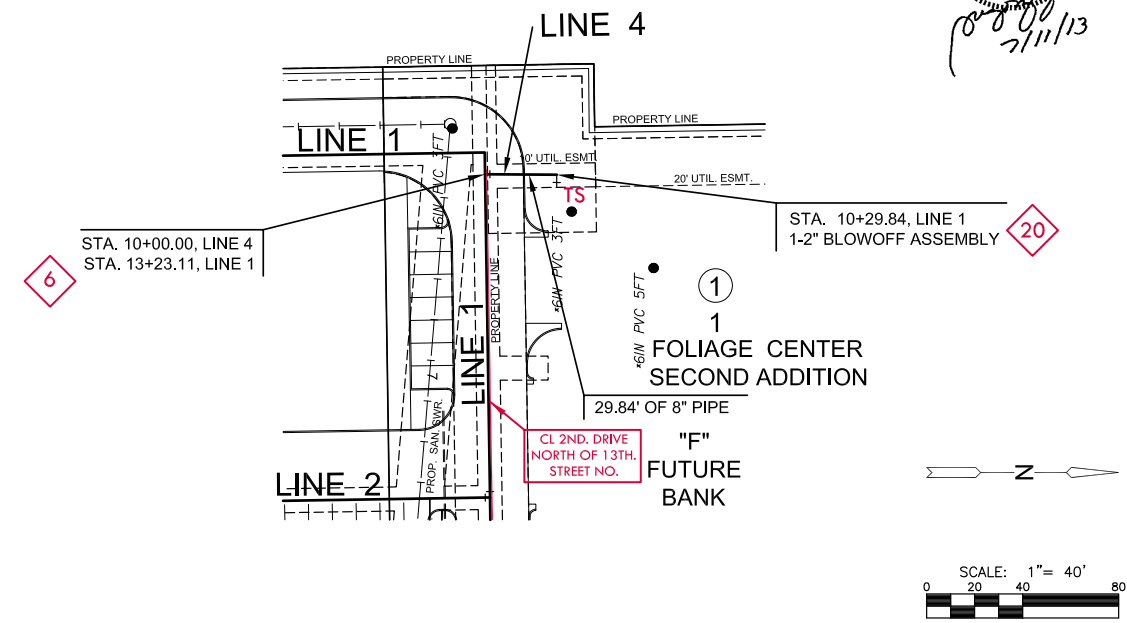
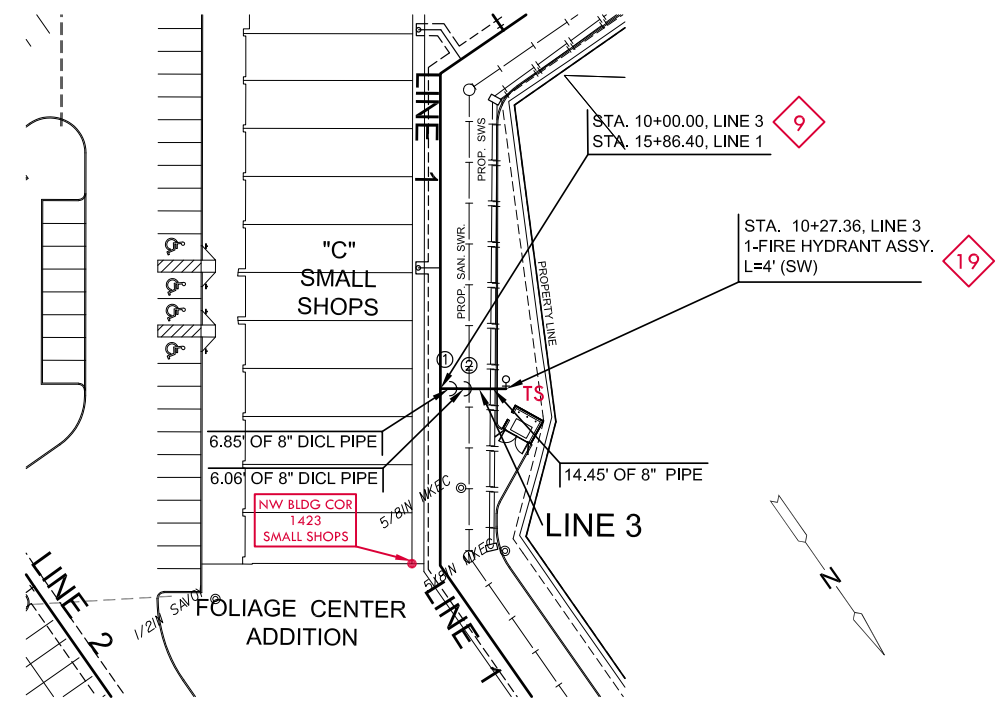
WATER DISTRIBUTION PLANS FOR
FOLIAGE CENTER ADDITION

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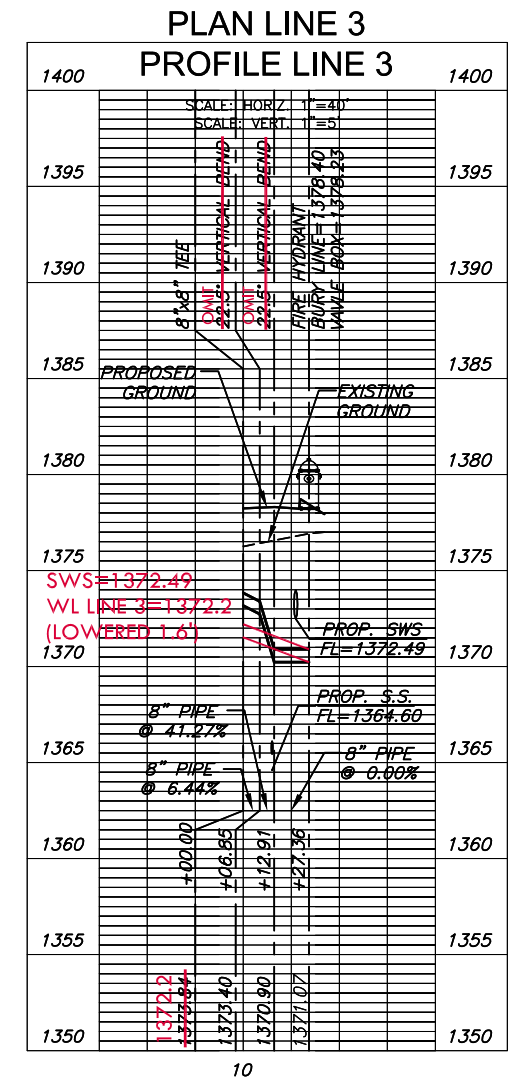
**LINE 2 PLAN &
 PROFILE**

| | | |
|-------------|----------|----------|
| PROJECT NO. | 1756PPW | |
| DATE | 05/2013 | |
| SCALE | 1"=40' | |
| DESIGNED | DRAWN | CHECKED |
| SLF | SPE | GJA |
| # | --- | ##/##/## |
| NO. | REVISION | DATE |

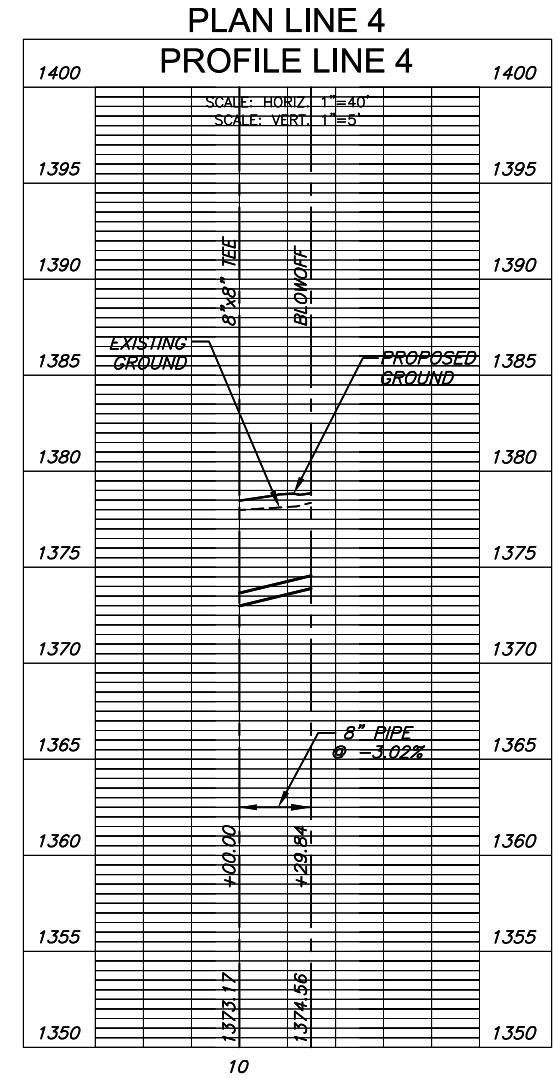
GREGORY J. ALLISON
REGISTERED PROFESSIONAL ENGINEER
KANSAS
11159
7/11/13



| BEND CHART | | |
|------------|---------|----------|
| NO. | 8" BEND | STA. |
| ① | 22.5' | 10+06.85 |
| ② | 22.5' | 10+12.91 |



| NO. | DESCRIPTION | APPROXIMATE LOCATION |
|-----|------------------------------------|--|
| 6 | 8"x8" DIMJ TEE, 8" VALVE ASSY. (N) | 319.6' W. OF BK. CURB E. SIDE OF WEBB RD. & 0.7' S. OF CL OF 2ND DR. |
| 9 | 8"x8" DIMJ TEE | 11.7' N.W. & 72.9' S. OF N.W. COR. OF SMALL SHOPS BLDG. |
| 19 | FIRE HYDRANT ASSY | 39.1' NW & 72.9' NW OF NW COR. SMALL SHOPS BLDG. |
| 20 | 2" BLOWOFF ASSEMBLY | 319.6' W. OF BK. CURB E. SIDE WEBB RD. & 29.8' N. OF 2ND DRIVE CL |



WATER DISTRIBUTION PLANS FOR
FOLIAGE CENTER ADDITION

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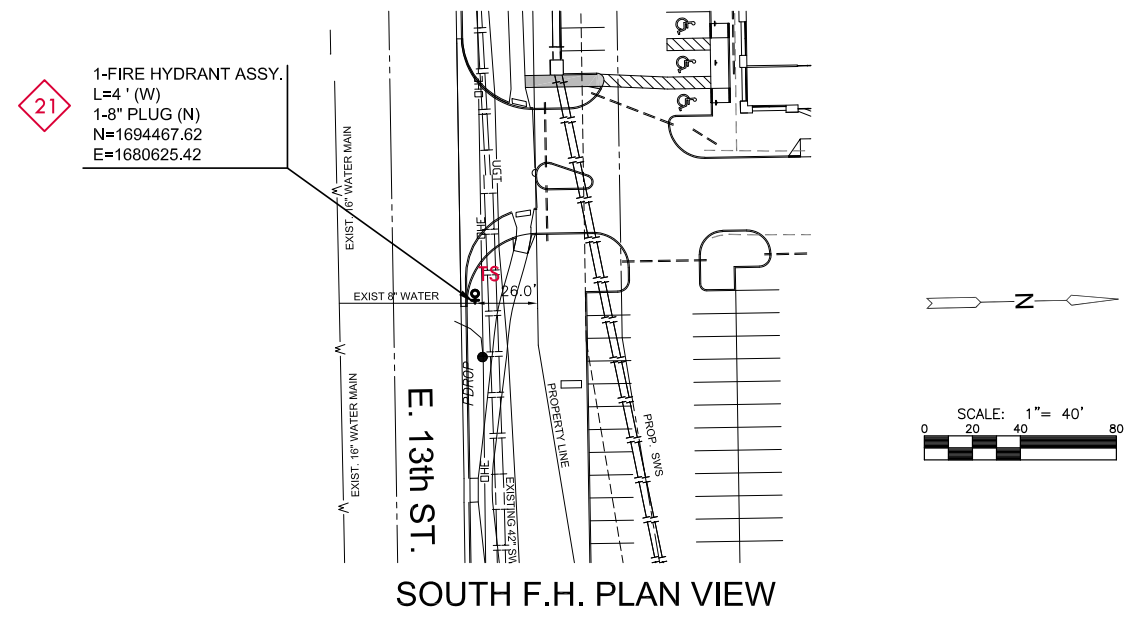
LINE 3 & 4 PLAN & PROFILE

| | | |
|-------------|-----------|---------|
| PROJECT NO. | 1756PPW | |
| DATE | JUNE 2013 | |
| SCALE | 1"=40' | |
| DESIGNED | DRAWN | CHECKED |
| SPE | SLF | GJA |

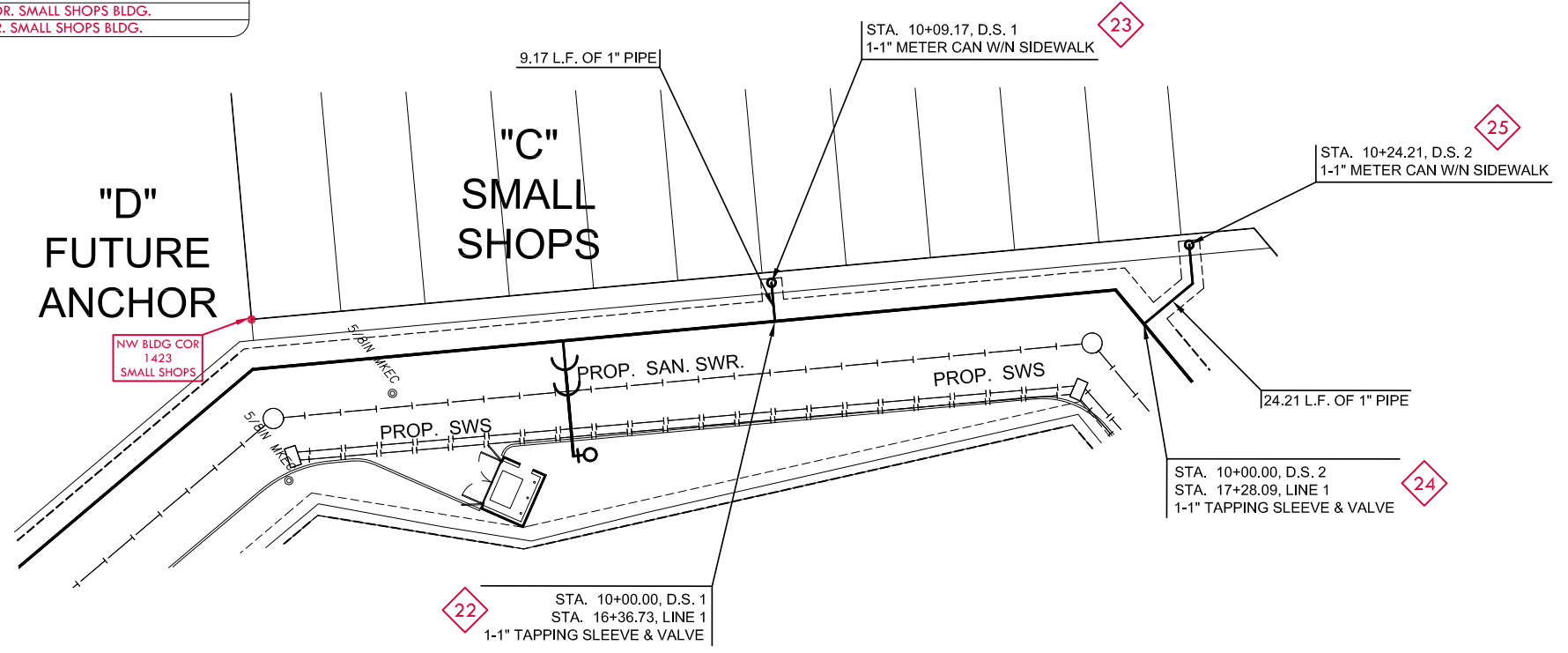
| # | REVISION | DATE |
|---|----------|------|
| | | |

SHEET NO.

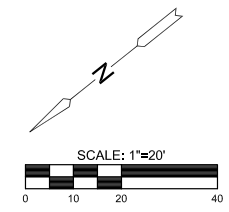
GREGORY J. ALLISON
 LICENSED
 11159
 KANSAS
 PROFESSIONAL ENGINEER
 7/11/13



| NO. | DESCRIPTION | APPROXIMATE LOCATION |
|-----|---------------------------------|---|
| 21 | FIRE HYDRANT ASSY., 8" PLUG (N) | 367.7' W. OF CL WEBB RD. & 34.1' N. OF 13TH. ST. |
| 22 | 1" TAPPING SLEEVE & VALVE | 11.7' NW & 123.2' S. OF N.W. COR. OF SMALL SHOPS BLDG. |
| 23 | 1" METER CAN W/N SIDEWALK | 2.5' N.W. & 123.2' S. OF N.W. COR. OF SMALL SHOPS BLDG. |
| 24 | 1" TAPPING SLEEVE & VALVE | 20.2' N.W. & 210.0' S. OF N.W. COR. SMALL SHOPS BLDG. |
| 25 | 1" METER CAN W/N SIDEWALK | 2.5' N.W. & 222.4' S. OF N.W. COR. SMALL SHOPS BLDG. |



DOMESTIC SERVICES 1 & 2 PLAN VIEW



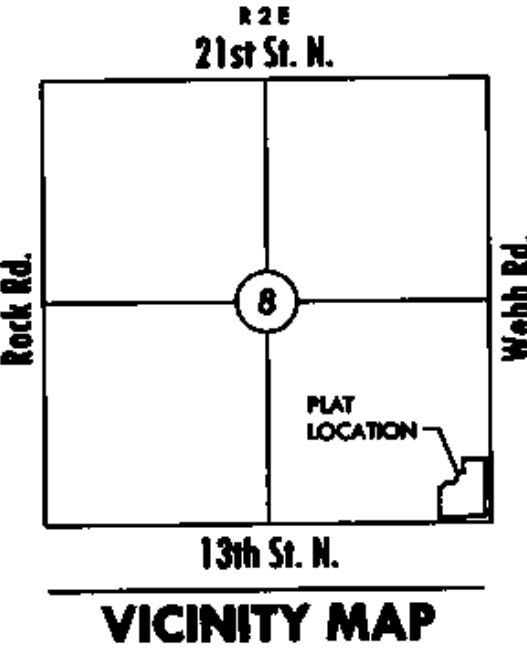
NOTE:
 1. METER TOP ELEVATIONS=1378.70

WATER DISTRIBUTION PLANS FOR
FOLIAGE CENTER ADDITION

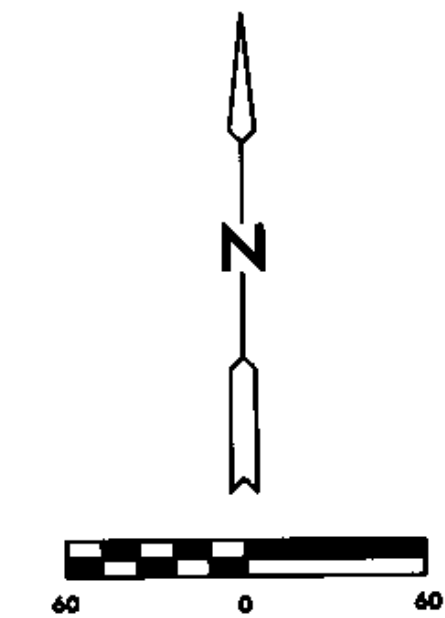
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FH AND D.S 1 & 2 PLAN VIEWS

| | | |
|-------------|-----------|----------|
| PROJECT NO. | 1756PPW | |
| DATE | JUNE 2013 | |
| SCALE | 1"=20' | |
| DESIGNED | DRAWN | CHECKED |
| SPE | SLF | GJA |
| # | --- | ##/##/## |
| NO. | REVISION | DATE |



VICINITY MAP



Base of Bearings: Kansas coordinate system of 1983 south zone grid bearing of N00°53'35"W along the E. line of SE 1/4, Sec. 8, T27S, R2E, 6th P.M.

| MINIMUM PAD ELEVATIONS LOWEST OPENINGS | | |
|---|-------|----------------------|
| LOT | BLOCK | ELEVATION NGVD 29 |
| 1 | 1 | 1375.5 |

BENCH MARK

Datum BM Square cut on SW. corner of signal light pole base at NE. corner of Webb Rd. and 13th St. Elev.=1373.345 (NGVD 29)

FINAL PLAT

FOLIAGE CENTER ADDITION

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

CERTIFICATE OF SURVEY

I, Gregory J. Allison, a registered land surveyor in Kansas, do hereby certify that I have been in responsible charge of surveying and plotting of "FOLIAGE CENTER ADDITION", an addition to Wichita, Sedgwick County, Kansas, into a Lot, a Block, and Streets the same being accurately set forth in the accompanying plat and described herein.

A tract of land lying in the Southeast Quarter, Section 8, Township 27 South, Range 2 East, of the 6th Principal Meridian, Wichita, Sedgwick County, Kansas; said tract being more particularly described as follows: BEGINNING at the southeast corner of said Southeast Quarter, thence along the south line of said Southeast Quarter, S89°04'48"W, 619.98 feet; thence N00°53'35"W, 416.88 feet; thence N89°04'48"E, 20.17 feet; thence N43°08'45"E, 90.57 feet; thence N89°04'48"E, 99.83 feet; thence N26°32'56"E, 133.03 feet; thence N89°04'48"E, 48.13 feet; thence N00°53'35"W, 32.10 feet; thence S89°04'48"W, 10.64 feet; thence N00°53'35"W, 128.04 feet; thence N89°06'25"E, 338.42 feet to a point on the east line of said Southeast Quarter; thence along said east line, S00°53'35"E, 759.97 feet to the POINT OF BEGINNING, TOGETHER WITH, COMMENCING at the southeast corner of Reserve "A", Foliage Second Addition, an addition to Wichita, Sedgwick County, Kansas, thence along the east line of said Reserve "A" for the next two courses, N00°54'45"W, 269.10 feet to a point on a curve to the left; thence along the said curve 22.83 feet, said curve having a central angle of 06°41'24", a radius of 195.54 feet, and a long chord distance of 22.82 feet, bearing N04°15'27"W; thence N89°04'47"E, 172.85 feet; thence N00°53'35"W, 75.00 feet; thence N89°04'48"E, 20.17 feet; thence N43°08'45"E, 90.57 feet; thence N89°04'48"E, 99.83 feet; thence N26°32'56"E, 133.03 feet to the POINT OF BEGINNING; thence N48°31'12"E, 49.37 feet; thence N89°04'48"E, 10.64 feet; thence S00°53'35"E, 32.10 feet; thence S89°04'48"W, 48.13 feet to the POINT OF BEGINNING.

All reserves, streets, easements, setbacks, and access controls, together with, that portion of easement recorded on Film 476, Page 289, together with, that portion of easement recorded on Film 532, Page 1100, together with, that portion of easement recorded on Film 843, Page 888, together with, all of an easement recorded on Film 518, Page 849, together with that portion of easement for right-of-way recorded on Film 1624, Page 1445, together with all other public dedications or rights-of-way(s) within the above described property are hereby vacated and replatted by virtue of K.S.A. 12-512(b).

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 26th day of September 2008.



Gregory J. Allison, PE, LS #1257
MKEC Engineering Consultants, Inc.
411 North Webb Road
Wichita, Kansas 67206

OWNER'S CERTIFICATE

Know all men by these presents that we the undersigned property owners of the land above set forth in the Registered Land Surveyor's Certificate, have caused the same to be surveyed and plotted into a Lot, and a Block, Streets the same to be known as "FOLIAGE CENTER ADDITION," an addition to Wichita, Sedgwick County, Kansas.

Easements for the construction and maintenance of public utilities, as indicated hereon, are hereby granted to and for the use of the public. The wall easements are non-exclusive and are platted for the construction and maintenance of a private wall; utilities may cross under the private wall.

The streets are hereby dedicated to and for the use of the public.

All abutters rights of access to or from 13th Street over and across the south line of "FOLIAGE CENTER ADDITION," are hereby granted to the appropriate governing body, provided however, Lot 1 is allowed a full movement connection to 13th Street as indicated hereon. All abutters rights of access to or from Webb Road over and across the east line of "FOLIAGE CENTER ADDITION," are hereby granted to the appropriate governing body, provided however, Lot 1 is allowed two full movement connections to Webb Road as indicated hereon. These access controls are hereby granted to the City of Wichita, Kansas.

A drainage plan has been developed for this plat and all drainage easements, right-of-way, or reserves shall remain at established grades or as modified with the approval of the applicable City or County Engineer, and unobstructed to allow for the conveyance of storm water. Lot 1 shall be required to adhere to the minimum pad elevation as per the "Minimum Pad Elevations" table shown hereon.

This plat shall adhere and conform to the recitals of CUP 2005-09, DP-282 as approved and filed at the Wichita-Sedgwick County Metropolitan Planning Area Department.

BEECH LAKE INVESTMENT, LLC, a Kansas limited liability company

Johnny Stevens, manager
Johnny Stevens, manager

STATE OF KANSAS, SEDGWICK COUNTY) ss:

This instrument was acknowledged before me on 26th day of October, 2008, by Johnny Stevens, manager, Beech Lake Investment, LLC, a Kansas limited liability company.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year last above written.



Sandra M. Stevens, Notary Public
Sandra M. Stevens, Notary Public

My Term Expires: 9-20-2010.

PLANNING COMMISSION CERTIFICATE

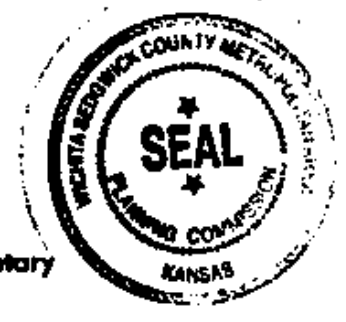
This plat of "FOLIAGE CENTER ADDITION" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this 26th day of January, 2008

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

Darrell Downing, Chair
Darrell Downing, Chair

Attest: *John L. Schlicht*, Secretary
John L. Schlicht, Secretary



GOVERNING BODY CERTIFICATE

The dedications shown on this plat are hereby accepted and this plat is hereby approved by the governing body of the City of Wichita, Kansas.

Dated this 26th day of February, 2008

At the direction of the City Council.

Carl Bryner, Mayor
Carl Bryner, Mayor

Attest: *Karen Sublett*, City Clerk
Karen Sublett, City Clerk

TRANSFER RECORD

STATE OF KANSAS, SEDGWICK COUNTY) ss:

Entered on transfer record this 26th day of January, 2009

Kelly B. Arnold, County Clerk
Kelly B. Arnold, County Clerk



REGISTER OF DEEDS CERTIFICATE

This is to certify that this instrument was filed for record in the Register of Deeds office this 26th day of January, 2009, at 12:37:30 o'clock PM, and is duly recorded.

For *Johnny Stevens*, Register of Deeds
Bill Meek, Register of Deeds

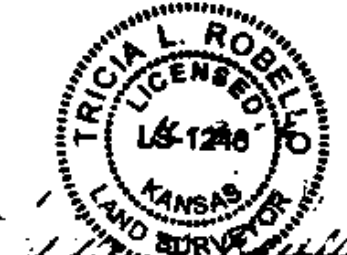
Attest: *Tonya E. Buckingham*, Deputy
Tonya E. Buckingham, Deputy



Sedgwick County
Register of Deeds - Bill Meek
www.mkec.com
DOC #/FLM-PG: 29033181
Book: 1/10802
Page Recorded: 1
Cabin: Initial: JP
Authorized By: [Signature]
Date Recorded: 1/26/2009 12:37:30 PM

COUNTY SURVEYOR

Reviewed in accordance with K.S.A. 58-2005 on this 26th day of January, 2008.



Trida L. Robello, Deputy County Surveyor
Trida L. Robello, LS #1240
Deputy County Surveyor
Sedgwick County, Kansas



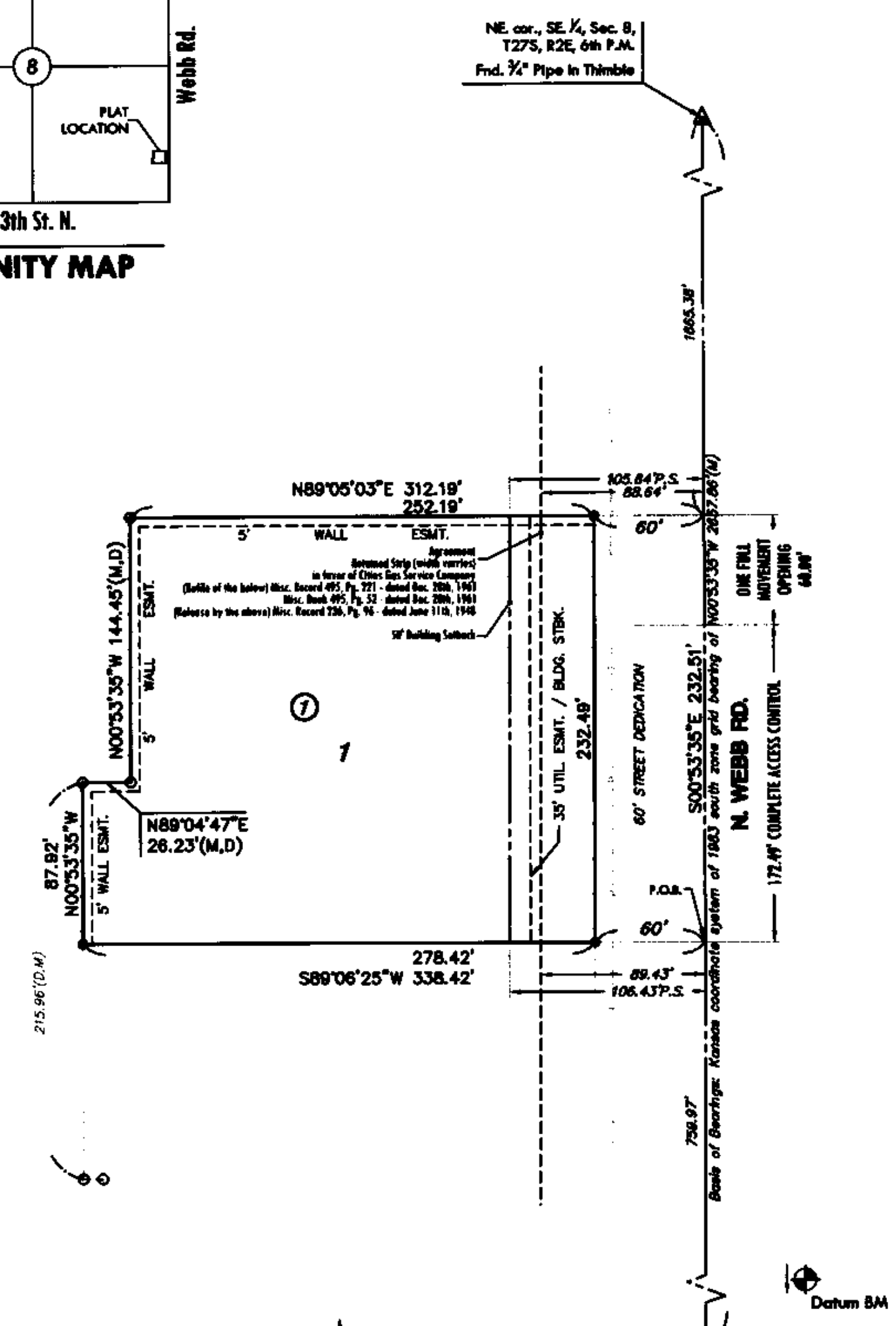
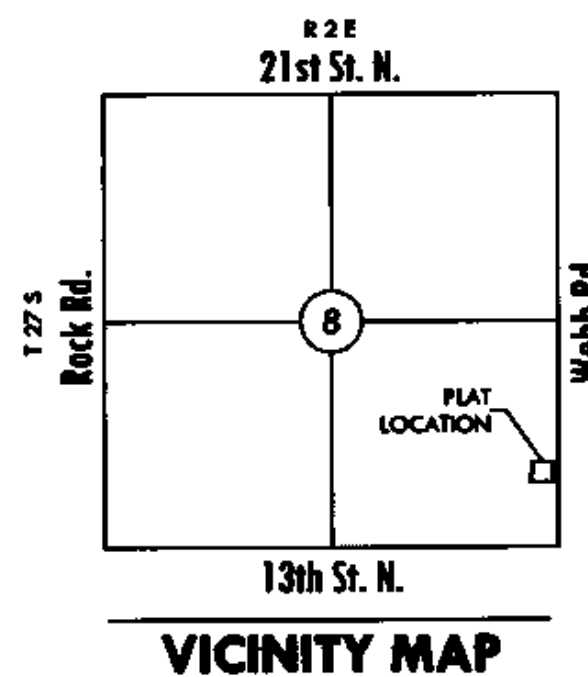
411 N. WEBB ROAD
WICHITA, KS. 67208
316-684-9600



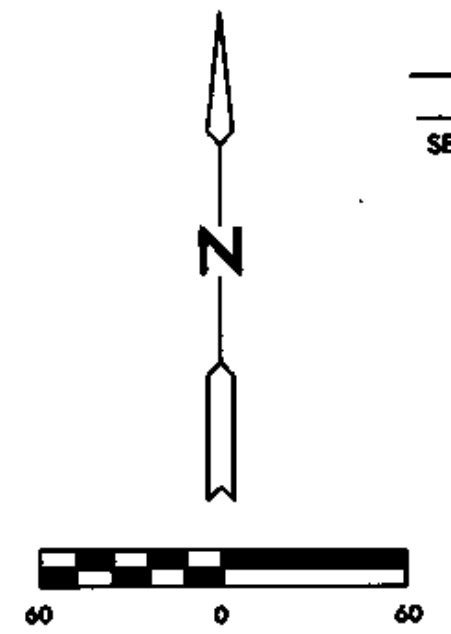
WATER DISTRIBUTION PLANS FOR
FOLIAGE CENTER ADDITION

FOLIAGE FINAL PLAT

| | | |
|-------------|-----------|---------|
| PROJECT NO. | 1756PPW | |
| DATE | JUNE 2013 | |
| SCALE | NTS | |
| DESIGNED | DRAWN | CHECKED |
| SLF | SPE | GJA |
| # | | ###/### |
| NO. | REVISION | DATE |
| | | |
| | | |
| SHEET NO. | 8 OF 9 | |



- LEGEND**
- △ = Section Corner Monument Found
 - = Found Survey Monument 3/4" rebar w/ MKEC CLS 39 id. cap
 - = Set 3/4" rebar w/ MKEC CLS 39 id. cap
 - (M) = Measured
 - (D) = Described or record description
 - P.S. = Pipeline setback



Basis of Bearings: Kansas coordinate system of 1983 south zone grid bearing of N00°53'35"W along the E. line of SE 1/4, Sec. 8, T27S, R2E, 6th P.M.

BENCH MARK
 Datum BM: Square cut on SW corner of signal light pole base at NE corner of Webb Rd. and 13th St. Elev.=1373.345 (NGVD 29)

FINAL PLAT

FOLIAGE CENTER SECOND ADDITION

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

CERTIFICATE OF SURVEY

I, Gregory J. Allison, a registered land surveyor in Kansas, do hereby certify that I have been in responsible charge of surveying and plating of "FOLIAGE CENTER SECOND ADDITION", an addition to Wichita, Sedgwick County, Kansas, into a Lot, a Block, and a Street the same being accurately set forth in the accompanying plat and described herein. A tract of land lying in the Southeast Quarter, Section 8, Township 27 South, Range 2 East, of the 6th Principal Meridian, Wichita, Sedgwick County, Kansas, said tract being described as follows:

COMMENCING at the southeast corner of said Southeast Quarter, thence along the east line of said Southeast Quarter on a Kansas coordinate system of 1983 south zone grid bearing of N00°53'35"W, 759.97 feet to the POINT OF BEGINNING, thence S89°06'25"W, 338.42 feet; thence N00°53'35"W, 87.92 feet; thence N89°04'47"E, 26.23 feet; thence N00°53'35"W, 144.45 feet; thence N89°05'03"E, 312.19 feet to said east line; thence along said east line, S00°53'35"E, 232.51 feet to the POINT OF BEGINNING.

All reserves, streets, easements, setbacks, and access controls, together with, that portion of easement recorded on Film 476, Page 289, together with, that portion of easement recorded on Film B43, Page 888, together with, that portion of easement for right-of-way recorded on Film 1624, Page 1442, together with all other public dedications or rights-of-way within the above described property are hereby vacated and replatted by virtue of K.S.A. 12-512(b).

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 30 day of March, 2008.

Gregory J. Allison, PE, LS #1257
 MKEC Engineering Consultants, Inc.
 411 North Webb Road
 Wichita, Kansas 67206

OWNER'S CERTIFICATE

Know all men by these presents that we the undersigned property owners of the land above set forth in the Registered Land Surveyor's Certificate, have caused the same to be surveyed and platted into a Lot, and a Block, and a Street the same to be known as "FOLIAGE CENTER SECOND ADDITION," an addition to Wichita, Sedgwick County, Kansas.

Easements for the construction and maintenance of public utilities, as indicated hereon, are hereby granted to and for the use of the public. The wall easements are non-exclusive and are platted for the construction and maintenance of a private wall; utilities may cross under the private wall.

The streets are hereby dedicated to and for the use of the public.

All abutters rights of access to or from Webb Road over and across the east line of "FOLIAGE CENTER SECOND ADDITION," are hereby granted to the public, provided however, Lot 1 is allowed one full movement connection to Webb Road as indicated hereon. These access controls are hereby granted to the City of Wichita, Kansas.

A drainage plan has been developed for this plot and all drainage easements, right-of-way, or reserves shall remain at established grades or as modified with the approval of the applicable City or County Engineer, and unobstructed to allow for the conveyance of storm water.

BEECH LAKE INVESTMENT, LLC, a Kansas limited liability company

Johnny Stevens, manager
Stephen L. Clark, manager

STATE OF KANSAS, SEDGWICK COUNTY) ss:
 This instrument was acknowledged before me on 16th day of March, 2008, by Johnny Stevens, and Stephen L. Clark, managers, Beech Lake Investment, LLC, a Kansas limited liability company.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year last above written.

Cynthia A. Womack
 Notary Public, State of Kansas
 My Exp. Expires 2/7/2009

Cynthia A. Womack
 Notary Public, State of Kansas
 My Term Expires: February 7, 2009

PLANNING COMMISSION CERTIFICATE

This plat of "FOLIAGE CENTER SECOND ADDITION" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this 26th day of February, 2008

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

M.S. Mitchell
 M.S. Mitchell, Chair

Attest: *John L. Schlegel*
 John L. Schlegel, Secretary



GOVERNING BODY CERTIFICATE

The dedications shown on this plat are hereby accepted and this plat is hereby approved by the governing body of the City of Wichita, Kansas.

Dated this 25 day of March, 2008

At the direction of the City Council.

Carl Brewer
 Carl Brewer, Mayor

Attest: *Karen Sublett*
 Karen Sublett, City Clerk

TRANSFER RECORD

STATE OF KANSAS, SEDGWICK COUNTY) ss:
 Entered on transfer record this 16th day of April, 2008

Don Brace
 Don Brace, County Clerk



REGISTER OF DEEDS CERTIFICATE

This is to certify that this instrument was filed for record in the Register of Deeds office this 16th day of April, 2008, at 11:11:59 o'clock A.M. and is duly recorded.

John B. Meek
 John B. Meek, Register of Deeds

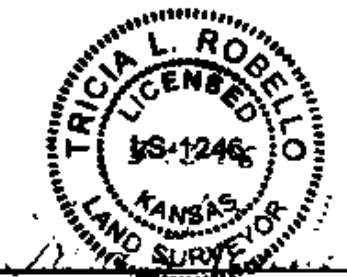
Attest: *Tonya E. Buckingham*
 Tonya E. Buckingham, Deputy

Sedgwick County
 Register of Deeds - 1st Floor
 DOC #/FLN-PG: 26866155
 Record #: 1684583
 Page Recorded: 1
 Counter Initials: JP
 Authorized By: [Signature]
 Date Recorded: 4/9/2008 11:11:59 AM
 Recording Fee: \$20.00

COUNTY SURVEYOR

Reviewed in accordance with K.S.A. 58-2005 on this 16th day of March, 2008.

Tricia L. Robello
 Tricia L. Robello, LS #1246
 Deputy County Surveyor
 Sedgwick County, Kansas



MKEC
 ENGINEERING
 CONSULTANTS, INC.
 411 N. WEBB ROAD
 WICHITA, KS. 67206
 316-684-9600



WATER DISTRIBUTION PLANS FOR
FOLIAGE CENTER ADDITION

FOLIAGE CTR. 2ND FINAL PLAT

| | | |
|-------------|-----------|---------|
| PROJECT NO. | 1756PPW | |
| DATE | JUNE 2013 | |
| SCALE | NTS | |
| DESIGNED | DRAWN | CHECKED |
| SLF | SPE | GJA |
| # | REVISION | DATE |
| NO. | REVISION | DATE |