

**WICHITA GENERAL NOTES**

1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS. ALL CONSTRUCTION SHALL BE COMPLETED FOLLOWING CURRENT CITY STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

2. CONTRACTOR WILL BE REQUIRED TO PROVIDE NOTICE TO UTILITY COMPANIES A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO ANY EXCAVATION AS FOLLOWS:

KANSAS ONE CALL 687-2470

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

- A&T 1-800-246-8464
- BLACK HILLS ENERGY 1-800-694-8989
- CITY OF WICHITA WATER 1-316-268-4555
- CITY OF WICHITA SEWER 1-316-268-4073
- CITY OF WICHITA STORMWATER 1-316-268-4090
- CITY OF WICHITA TRAFFIC 1-316-268-3530
- COX COMMUNICATIONS 1-888-249-3530
- KANSAS GAS SERVICE 1-888-482-4950
- WESTAR ENERGY 1-800-544-4857

3. UTILITY SERVICE LINES, POLES, ETC. ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

4. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS IN THE OPINION OF THE ENGINEER THAT WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WILL REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WILL REQUIRE ADDITIONAL ARCHEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATIONS.

5. TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.

6. THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY ADJUTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS NOTICE PRIOR TO START OF CONSTRUCTION.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.

8. THE WATER DISTRIBUTION DIVISION SHALL FIELD LOCATE WATER VALVES ONE TIME DURING CONSTRUCTION WHEN REQUESTED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE SUCH FIELD LOCATIONS DURING THE CONSTRUCTION PROCESS. WATER VALVES, VALVE BOXES AND WATER METERS WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO MATCH FIELD GRADES.

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

10. IF TRAFFIC WILL BE IMPACTED BY THE CONSTRUCTION, A TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CITY TRAFFIC ENGINEER, BRIAN COON AT traffic@wichita.gov BEFORE CONSTRUCTION CAN BEGIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES TO FACILITATE CONSTRUCTION. ALL CONSTRUCTION ZONE MARKINGS AND SIGNAGE SHALL CONFORM TO THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS PUBLISHED BY THE US DEPT. OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION. ALL COSTS ASSOCIATED WITH CONSTRUCTION MARKINGS AND SIGNAGE SHALL BE THE CONTRACTORS RESPONSIBILITY.

**WICHITA GENERAL NOTES**

11. ALL ELEVATIONS SHOWN ARE NAVD 88.

12. ALL AREAS DISTURBED DURING CONSTRUCTION THAT WILL NOT BE UNDER PROPOSED PAVEMENT SHALL BE RESTORED TO MATCH EXISTING CONDITIONS.

13. ANY SIDEWALK, DRIVE APPROACH, OR STREET PAVEMENT REMOVED TO CONSTRUCT PROJECT MUST HAVE A PAVEMENT CUT PERMIT AND BE REPLACED BY THE CITY CONTRACTOR. PERMITS CAN BE OBTAINED BY CALLING 316.268.4501 OR 316.268.4480

14. CITY MAINTENANCE OF STORM SEWER ENDS AT THE LAST STRUCTURE IN THE EASEMENT OR RIGHT-OF-WAY.

15. A PORTION OF EXCESS EXCAVATED MATERIAL SHALL BE MOUNDING AROUND MANHOLES WHICH EXTEND MORE THAN ONE (1) FOOT ABOVE THE EXISTING GROUND. SUCH MOUND SHALL BE CONSTRUCTED WITH NEW DEVELOPMENT A SIX (6) FOOT DIAMETER FLAT TOP WITH 4 TO 1 SIDE SLOPES DOWN TO THE ORIGINAL GROUND. THE ELEVATION OF THE FLAT TOP OF THE MOUND SHALL BE 0.4 FOOT BELOW THE TOP OF THE MANHOLE.

16. GEOTECHNICAL REPORT AVAILABLE UPON REQUEST.

17. CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH OPENINGS OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.

18. THE INSPECTING FIRM SHALL SUBMIT TO THE CITY STORMWATER MAINTENANCE DIVISION A DIGITAL COPY OF THE CCTV INSPECTION OF THE CONDUITS AND STRUCTURES FOLLOWING CONSTRUCTION. THE DIGITAL FILE FORMATION SHALL BE COMPATIBLE WITH CITY INPUT TEMPLATE. A COPY OF THE TEMPLATE IS AVAILABLE UPON REQUEST AT 316.268.4090.

19. THE CONTRACTOR SHALL PROTECT FROM DAMAGE AND SUPPORT EXISTING UTILITIES THROUGH CONSTRUCTION AS APPROVED BY THE UTILITY OWNER AND ENGINEER AT THE CONTRACTORS EXPENSE.

**BENCHMARKS**

BM#1 (Chiseled 'C', Abandoned light pole base approximately 30' west of E. Florence St. and 120' north of E. W. Kellogg Dr.) Elev.: 1305.40

BM#2 (Chiseled 'C', Top of curb east side of island inline w/ drive entrance off West St. in NE 1/4 of property) Elev.: 1305.55

# STORM SEWER IMPROVEMENTS TO SERVE CHARLIE'S CAR WASH

NE CORNER OF S. FLORENCE ST. & W. KELLOGG ST  
PART OF SECTION 26, TOWNSHIP 27 SOUTH, RANGE 1 WEST,  
IN THE CITY OF WICHITA, SEDGWICK COUNTY, KANSAS

GARY JANZEN, PE, CITY ENGINEER

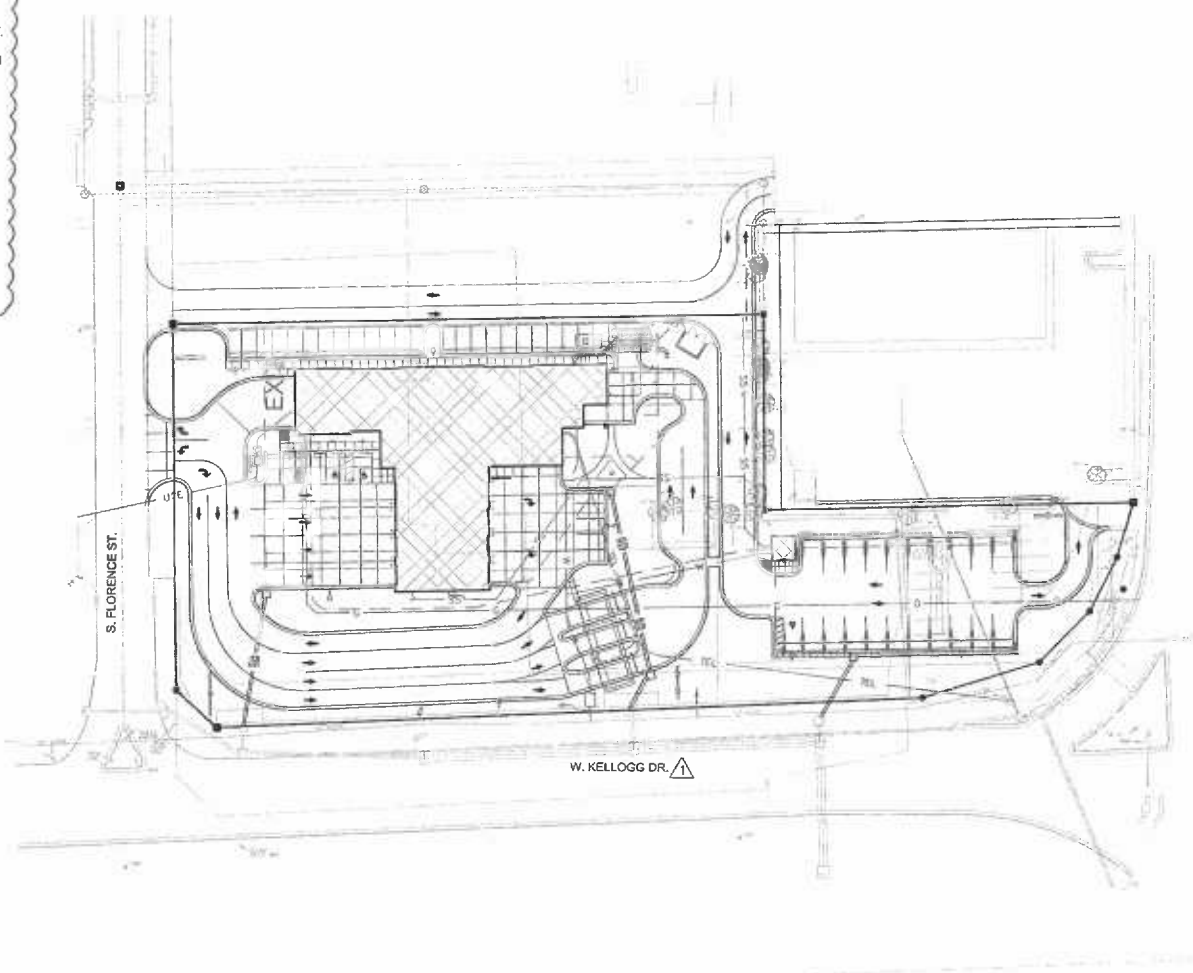
0512 PPD (133119)Δ

4150 W. Kellogg Dr.



VICINITY MAP  
NOT TO SCALE  
S26, T27S, R1W

| Sheet Number | Sheet Title           |
|--------------|-----------------------|
| PPD1         | TITLE SHEET           |
| PPD2         | GENERAL NOTES         |
| PPD3         | OVERALL STORM PLAN    |
| PPD4         | STORM PLAN & PROFILES |
| PPD5         | STORM CALCS           |
| PPD6         | DETAILS               |
| PPD7         | DETAILS               |
| PPD8         | DETAILS               |
| 1 OF 2       | FINAL PLAT            |
| 2 OF 2       | FINAL PLAT            |



**STORMWATER CERTIFICATION:**  
NEW DEVELOPMENT OR REDEVELOPMENT

THESE CONSTRUCTION PLANS WERE PREPARED IN ACCORDANCE WITH THE CURRENT STORMWATER MANAGEMENT REGULATIONS AS SET FORTH IN THE CITY OF WICHITA'S STORMWATER MANAGEMENT ORDINANCE 16.32 AND THE POLICIES/ GUIDELINES PRESENTED IN THE WICHITA/ SEDGWICK COUNTY STORMWATER MANUAL.

DISTURBED AREA= 2.33 AC  
WATER QUALITY TREATMENT: N/A  
DOWNSTREAM CHANNEL PROTECTION: N/A  
DETENTION: N/A  
BMP USED FOR THIS DEVELOPMENT: N/A

APPROVED AS NOTED  
BY WICHITA PUBLIC WORKS  
ENGINEERING DIVISION

ENGINEERING *Juanita Kallman 5-3-18*  
UTILITIES *Joe Hilde 5-9-18*

**PRIVATE PROPERTY:**

INSPECTION AND TESTING FOR THIS PROJECT 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 IN THE STATE OF KANSAS. NO WORK SHALL BE PERFORMED BY THE CONTRACTOR WITHOUT SUCH INSPECTION NOR SHALL ANY WORK BE COMMENCED WITHOUT WRITTEN AUTHORIZATION BY CITY ENGINEERING. ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH THE CURRENT CITY OF WICHITA SPECIFICATIONS AND STANDARDS AND SPECIAL PROVISIONS. (ON FILE AND AVAILABLE AT WICHITA.GOV).

AN APPROVED COPY OF THESE PLANS SIGNED BY CITY STAFF ARE REQUIRED ON-SITE.

| DEVELOPMENT TEAM CONTACT INFORMATION                                    |   |
|---|---|
| <b>OWNER/DEVELOPER</b>  |   |
| DAVID E. JOHNSON<br>PM, REAL ESTATE DEPT.<br>GREEN LANTERN CARWASH, LLC | 500 GRAVES BOULEVARD<br>SALINA, KS 67410<br>PH: 913.269.4462<br>FAX: 785.822.4462<br>donald@bluebeacon.com                                      |
| <b>ARCHITECT/PROJECT LEAD</b>   |   |
| RHONDA PEARLMAN<br>GASTINGER WALKER HARDEN<br>+ BEETRIPPLETT BUCK       | 817 WYANDOTTE<br>KANSAS CITY, MO 64105<br>PH: 816.569.0833<br>FAX: 816.421.1262<br>rpearlman@gastingerwalkert.com                               |
| <b>CIVIL ENGINEER</b>   |   |
| DAVID EICKMAN, P.E.<br>OLSSON ASSOCIATES                                | 1251 NW BRIARCLIFF PARKWAY<br>SUITE 50<br>KANSAS CITY, MISSOURI 64116<br>PH: 816.361.1177<br>FAX: 816.361.1888<br>deickman@olssonassociates.com |

**As-Built**

Contractor: Harman Fuffman Construction  
Superintendent: Pat Beal  
Pipeline Subcontractor: Sooter Excavation  
Superintendent: Paul Seybold  
Inspection: GSI Engineering LLC  
Inspectors: Taylor Boone / David Edwares

CALL BEFORE YOU DIG  
1-800-344-7233  
STATEWIDE (DIG SAFE)

**811**  
KANSAS ONE-CALL SYSTEM INC.

KANSAS CALL BEFORE YOU DIG.  
1-800-DIG-SAFE (1-800-344-7233)



**CAR WASH**



PLANS PREPARED BY:  
Olsson Associates  
1251 NW Briarcliff Parkway, Suite 50  
Kansas City, MO 64116  
Phone: 816.361.1177  
Fax: 816.361.1888

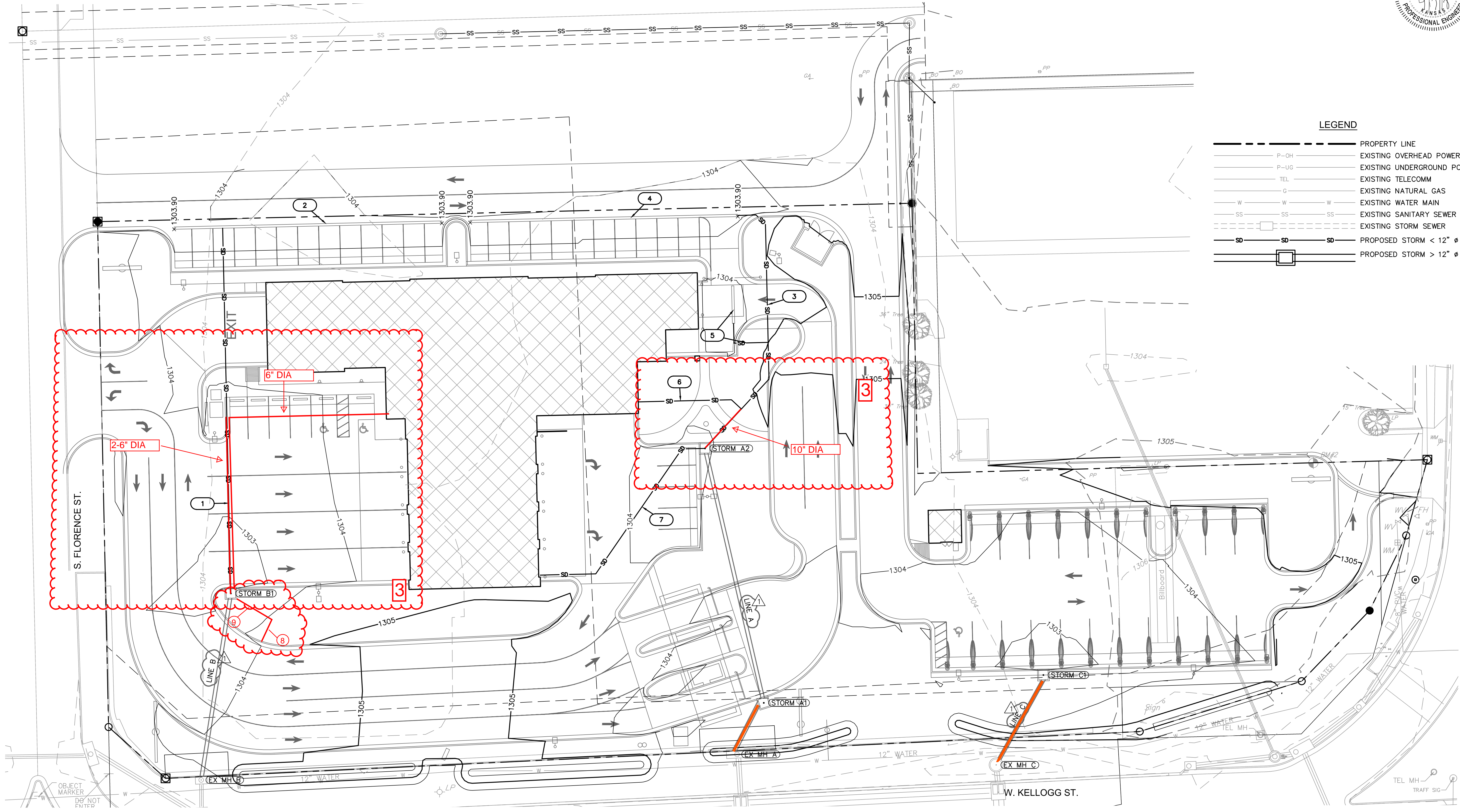
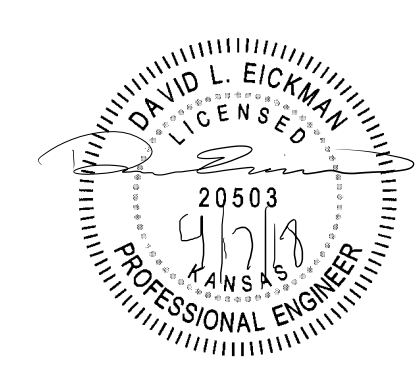
SHEET TITLE:  
**TITLE SHEET**  
CHARLIE'S OF WICHITA (SOUTHWEST)  
WEST KELLOGG & WEST STREET, WICHITA, KS

SUBMITAL:  
CONSTRUCTION DOCUMENTS  
DATE: FEBRUARY 28, 2018  
JOB NO.:  
FILE NAME:  
PLOT DATE:  
REVISIONS/DATE:  
1-CITY-4.16.18  
2-CITY-5.02.18

PPD1

DWG: F:\2018\0001-0500\018-0217\40-Design\AutoCAD\Final\Plans\Sheets\CONCY\Private Project Drainage - PPD\AC\_TTL\_80217.dwg  
 DATE: May 01, 2018 4:35pm  
 USER: bfreeman  
 C:\BASE\_80217  
 C:\BASE\_80217





**LEGEND**

|          |                            |
|----------|----------------------------|
| ---      | PROPERTY LINE              |
| P-OH     | EXISTING OVERHEAD POWER    |
| P-UG     | EXISTING UNDERGROUND POWER |
| TEL      | EXISTING TELECOMM          |
| G        | EXISTING NATURAL GAS       |
| W-W-W    | EXISTING WATER MAIN        |
| SS-SS-SS | EXISTING SANITARY SEWER    |
| SS-SS-SS | EXISTING STORM SEWER       |
| SD-SD-SD | PROPOSED STORM < 12" Ø     |
| SD-SD-SD | PROPOSED STORM > 12" Ø     |

**KEYNOTES**

**STORM SEWER**

1. INSTALL 155.50 LF OF 6" HDPE PIPE @ 0.77%. CONNECT TO STORM B1.  
INV. OUT=1302.00  
INV. @ B1=1300.80
2. INSTALL 114 LF OF TRENCH DRAIN. SEE DETAIL ON SHEET PPD8.
3. INSTALL 120 LF OF 6" HDPE PIPE @ 1.95%. CONNECT TO STORM A2.  
INV. OUT=1302.65  
INV. @ A2=1300.30
4. INSTALL 114 LF OF TRENCH DRAIN. SEE DETAIL ON SHEET PPD8.

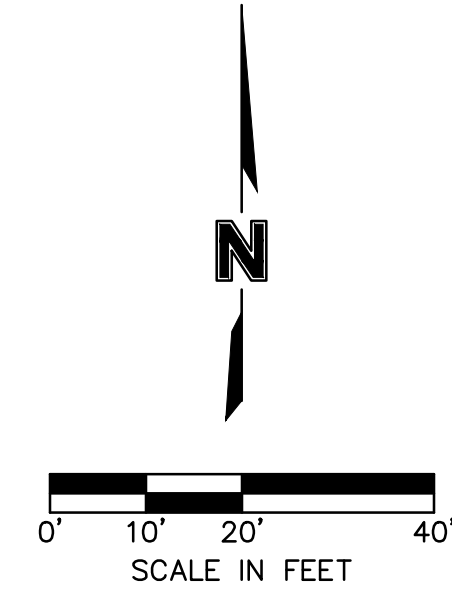
**STORM SEWER**

5. INSTALL 16 LF OF TRENCH DRAIN, AND INSTALL 23 LF OF 6" HDPE PIPE @ 6.56%.  
RIM=1303.80  
INV. OUT=1302.90  
INV. @ TEE=1301.39
6. INSTALL 47.50 LF OF 6" ROOF DRAIN PIPE @ 3.41%.  
INV. @ BLDG=1302.36  
INV. @ TEE=1300.74
7. INSTALL 88.20 LF OF 6" ROOF DRAIN PIPE @ 2.33%.  
INV. @ BLDG=1302.36  
INV. @ STORM A2=1300.30

**STORM SEWER**

8. INSTALL 13 LF OF 10" HDPE PIPE AND INSTALL 15" NYLOPAST DRAIN BASIN WITH DROP IN GRATE OR APPROVED EQUAL.  
RIM = 1303.06  
INV = 1301.35
9. INSTALL 19 LF 10" HDPE PIPE AND INSTALL 15" NYLOPAST DRAIN BASIN WITH DROP IN GRATE OR APPROVED EQUAL.  
RIM = 1302.52  
UNV = 1301.30  
INV @ STORM B1 = 1301.21

**3** 07-19-2018 REVISED TO ENLARGE STORM DRAIN SIZES



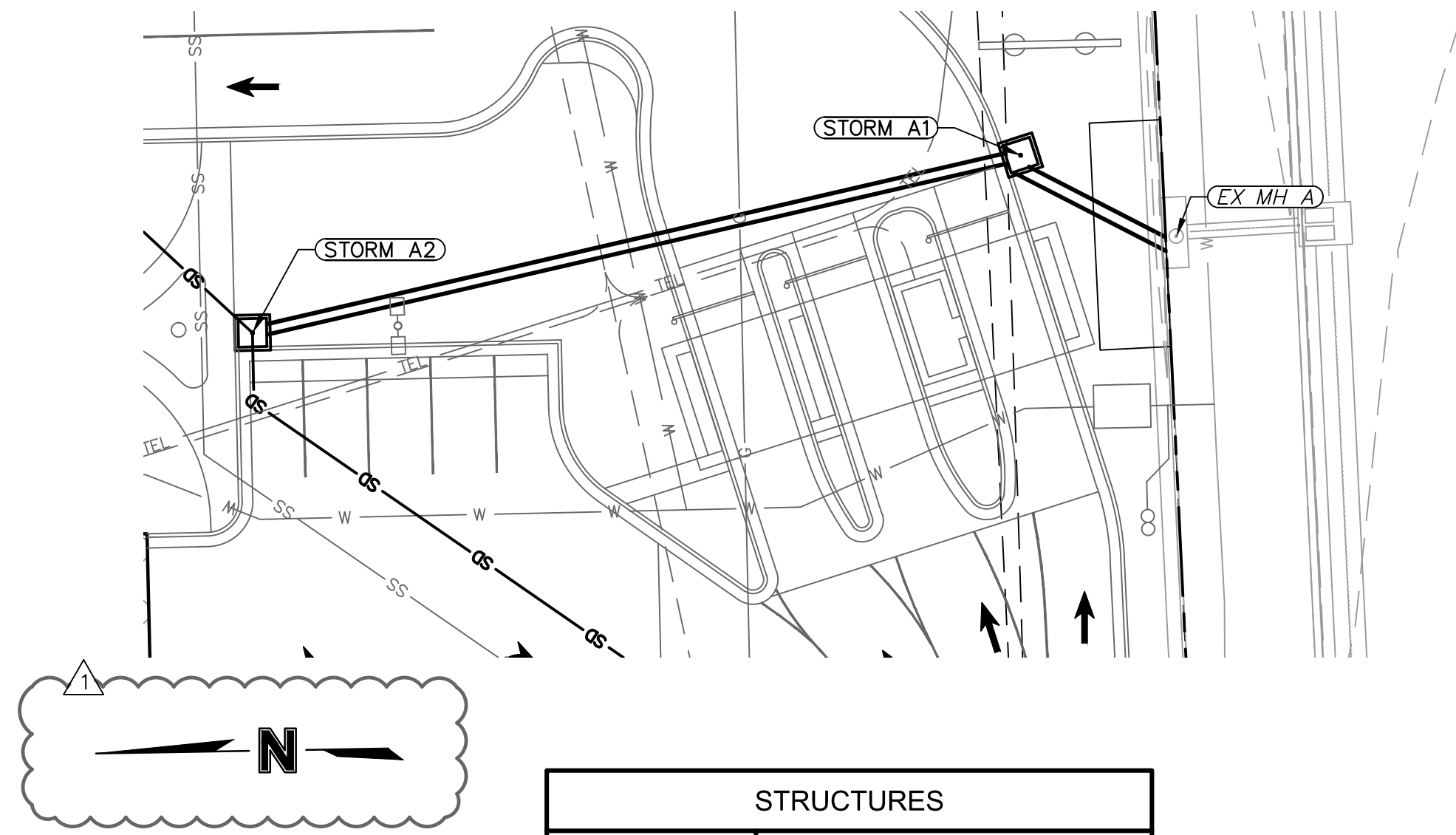
FOR: **Charlottesville**

PLANS PREPARED BY: **Olsson ASSOCIATES**  
 1501 Burlington Street  
 North Kansas City, MO 64116  
 PHONE: 816.237.2333 FAX: 816.237.2335

SHEET TITLE: **OVERALL STORM PLAN CHARLIES OF WICHITA (SOUTHWEST) WEST KELLOGG & WEST STREET, WICHITA KS**

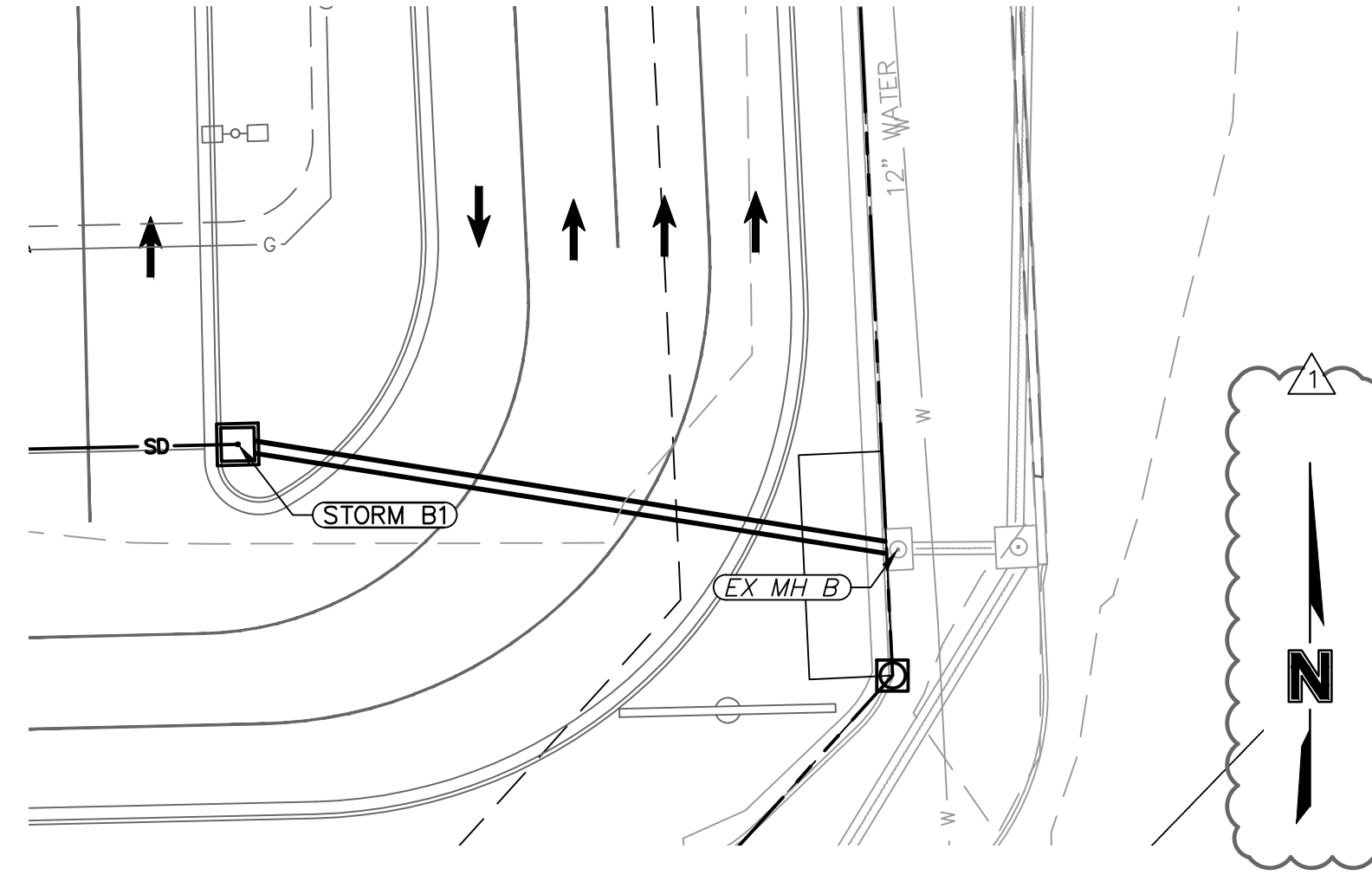
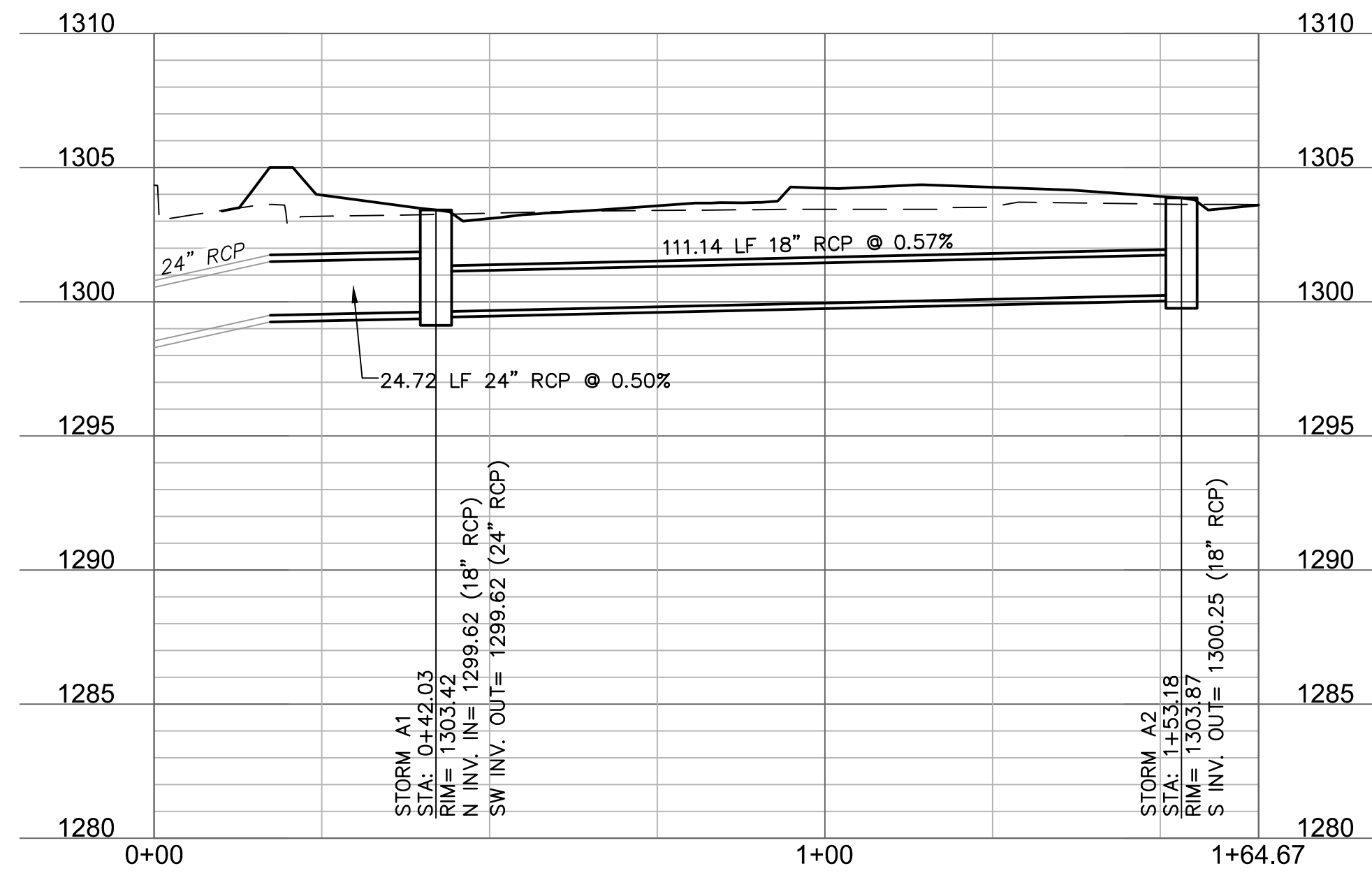
SUBMITTAL: CONSTRUCTION DOCUMENTS  
 JOB NO.: CCW #12  
 DATE: FEBRUARY 26, 2018  
 FILE NAME:  
 PLOT DATE:  
 REVISIONS/DATE: 1-CITY-4.16.18

PPD3  
 SHEET OF



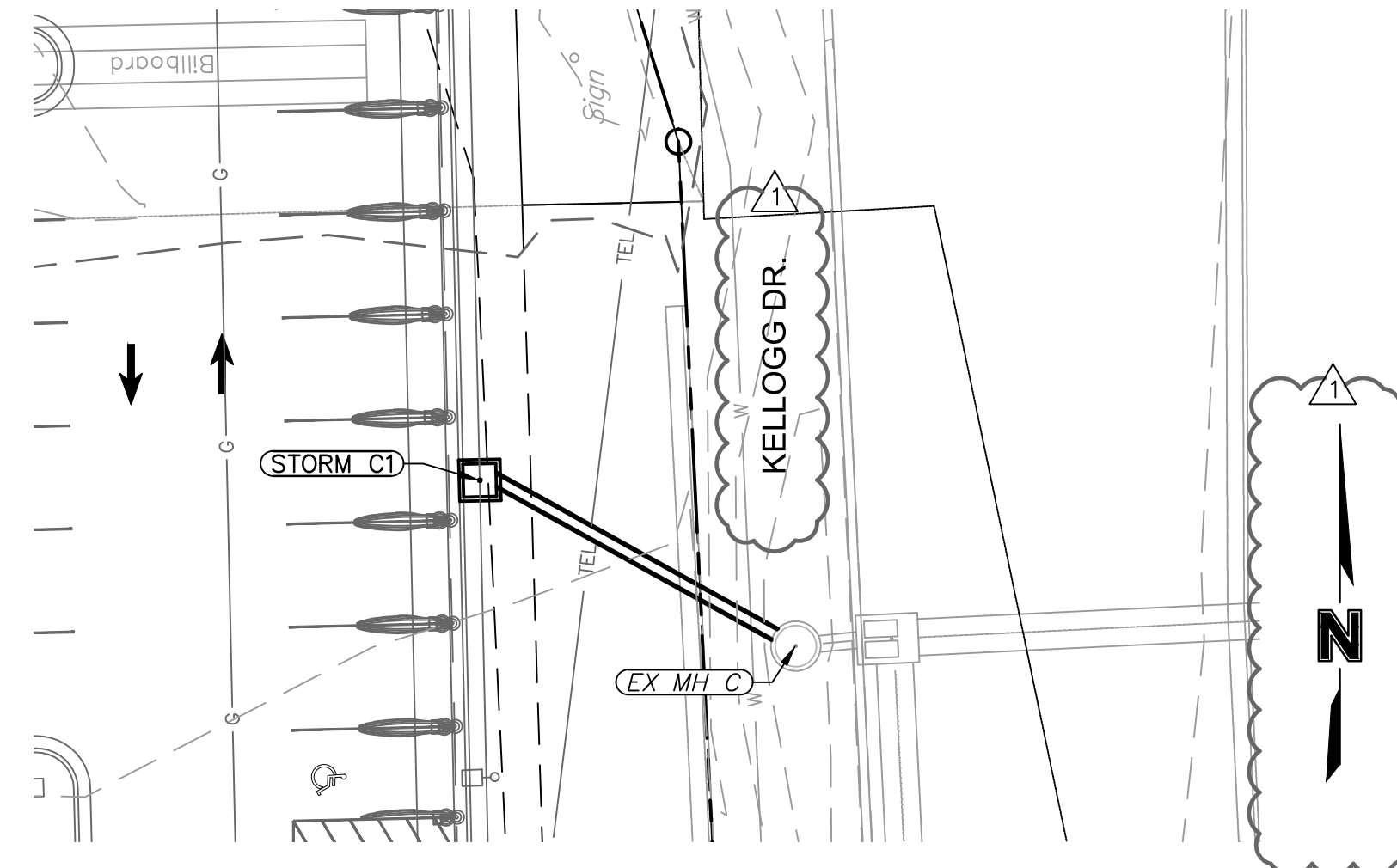
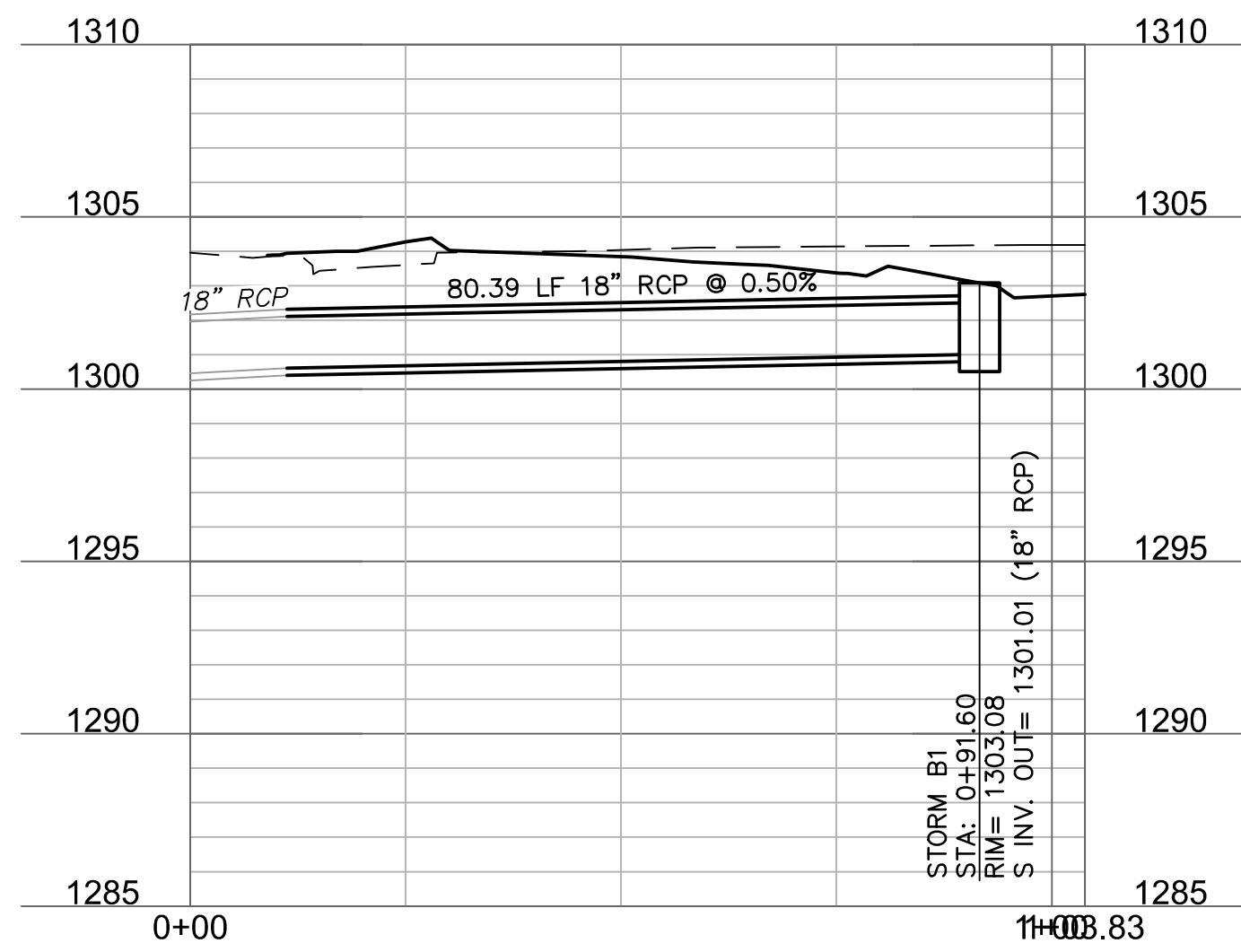
| STRUCTURES   |   |
|--------------|---|
| STRUCTURE ID | DESCRIPTION   |
| STORM A2     | INSTALL 4'x4' CURB INLET<br>1+53.18, 0.00'<br>STORM LINE A<br>INV OUT = 1300.25<br>N: 1681150.300; E: 1633394.147                       |
| STORM A1     | INSTALL 4'x4' CURB INLET<br>0+42.03, 0.00'<br>STORM LINE A<br>INV IN = 1299.62<br>INV OUT = 1299.62<br>N: 1681042.006; E: 1633419.159   |
| EX MH A      | EXISTING 10'x3' CURB INLET<br>0+17.31, 0.00'<br>STORM LINE A<br>INV IN = 1299.50<br>INV OUT = 1299.50<br>N: 1681020.067; E: 1633407.763 |

STORM LINE A (0+00 - 1+64.67)



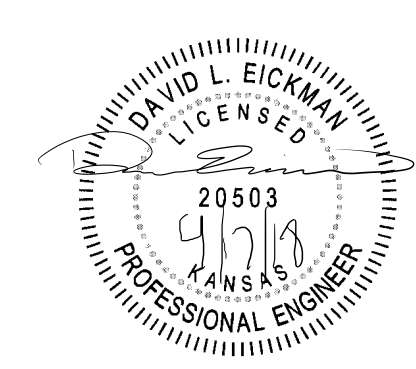
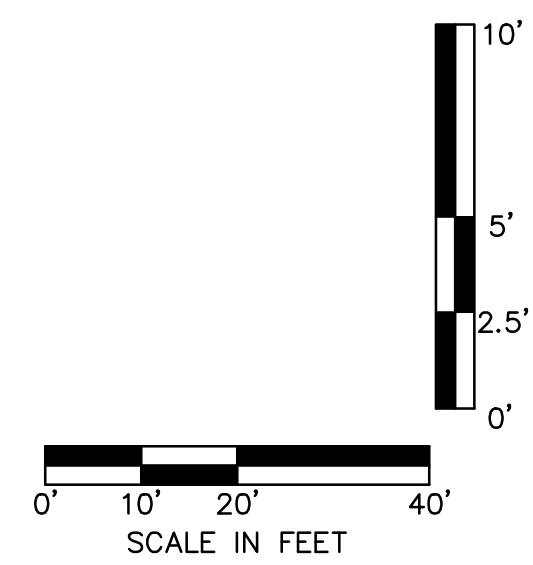
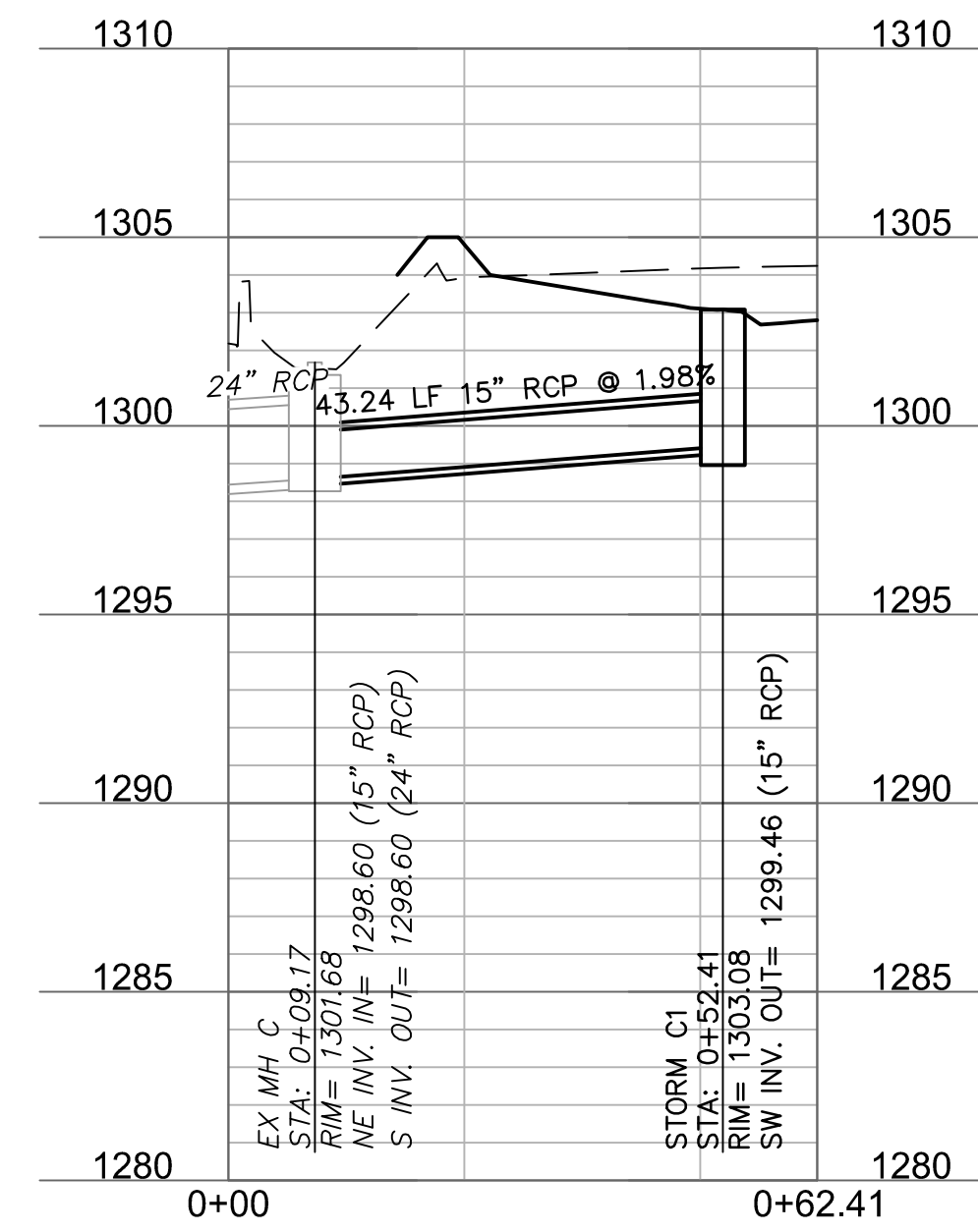
| STRUCTURES   |  |
|--------------|--|
| STRUCTURE ID | DESCRIPTION  |
| EX MH B      | EXISTING 5'x3' CURB INLET<br>0+11.22, 0.00'<br>STORM LINE B<br>INV IN = 1300.61<br>INV OUT = 1300.61<br>N: 1681009.182; E: 1633179.682 |
| STORM B1     | INSTALL 4'x4' CURB INLET<br>0+91.60, 0.00'<br>STORM LINE B<br>INV OUT = 1301.01<br>N: 1681088.572; E: 1633192.314                      |

STORM LINE B (0+00 - 1+03.83)



| STRUCTURES   |  |
|--------------|--|
| STRUCTURE ID | DESCRIPTION  |
| EX MH C      | EX 60" MH<br>0+09.17, 0.00'<br>STORM LINE C<br>INV IN = 1298.60<br>INV OUT = 1298.60<br>N: 1681015.571; E: 1633518.042 |
| STORM C1     | INSTALL 4'x4' CURB INLET<br>0+52.41, 0.00'<br>STORM LINE C<br>INV OUT = 1299.46<br>N: 1681053.850; E: 1633538.147      |

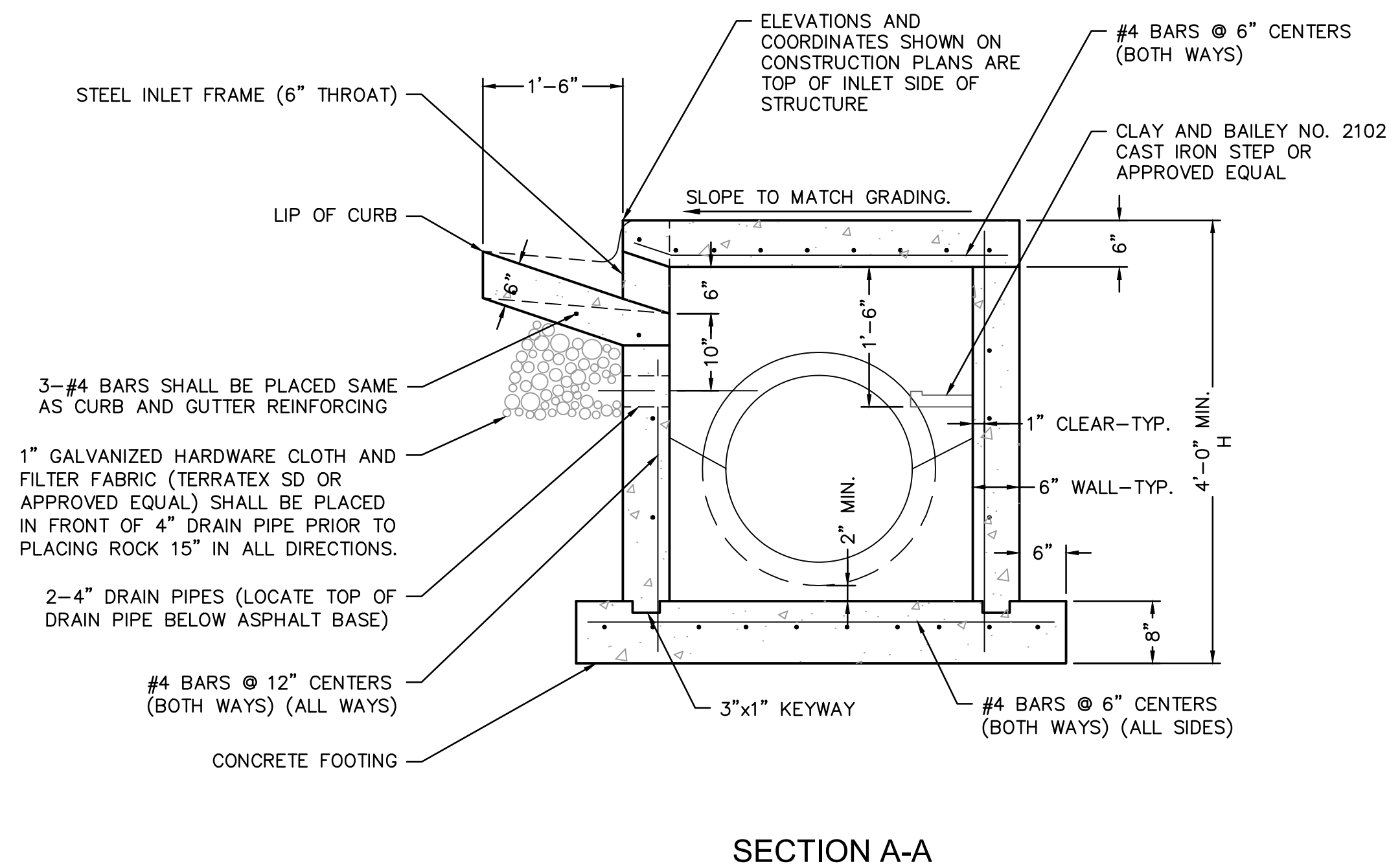
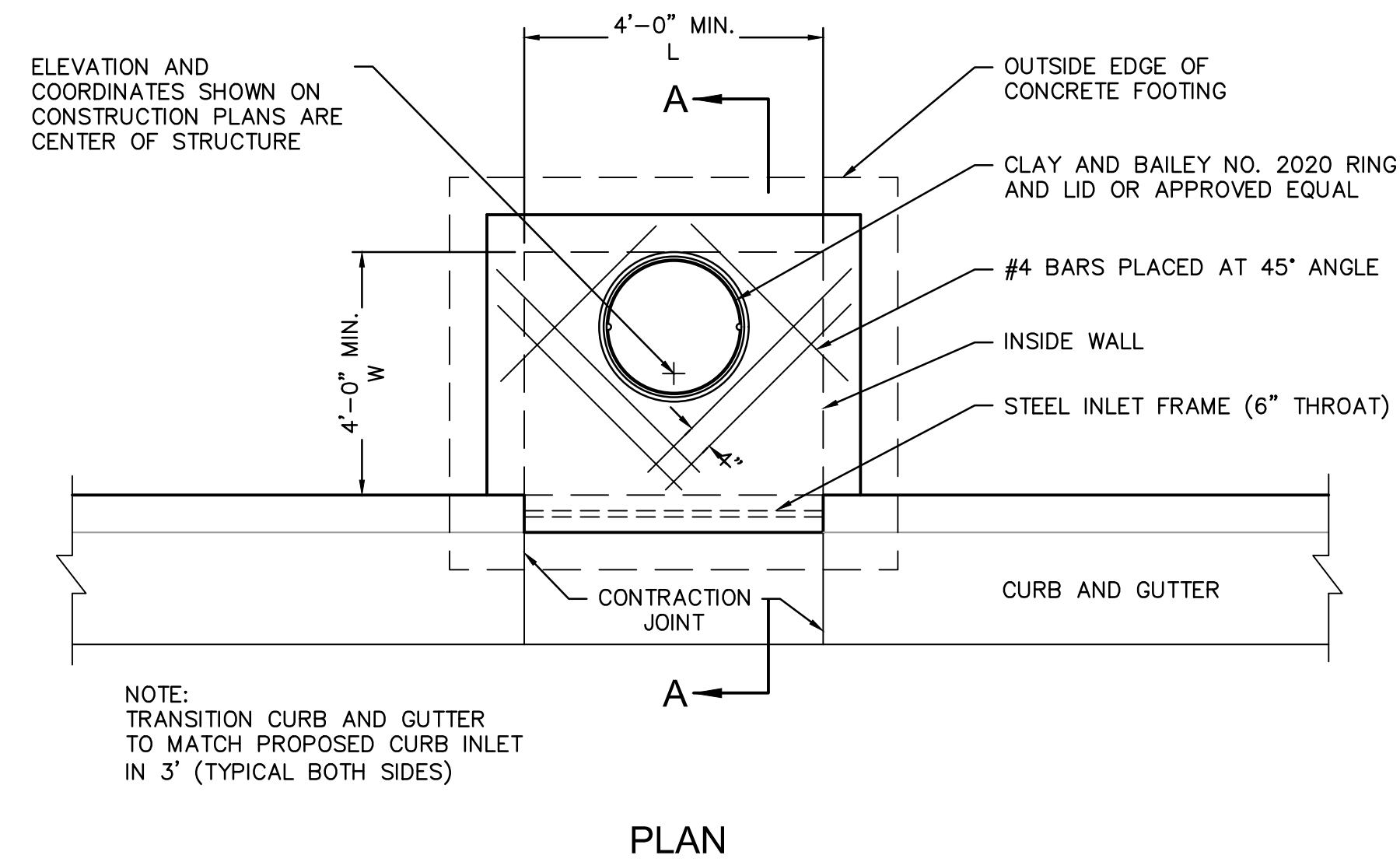
STORM LINE C (0+00 - 0+62.41)



FOR: **Charlottesville**  
**CAR WASH**  
 1501 Burlington Street  
 North Kansas City, MO 64116  
**Olsson ASSOCIATES** P.A.S.  
 PLANS PREPARED BY:

SHEET TITLE:  
**STORM PLAN & PROFILES**  
**CHARLIE'S OF WICHITA (SOUTHWEST)**  
**WEST KELLOGG & WEST STREET, WICHITA KS**  
 SUBMITAL: CONSTRUCTION DOCUMENTS  
 JOB NO.: CCW #12  
 FILE NAME:  
 PLOT DATE:  
 REVISIONS/DATE:  
 1-CITY-4.16.18  
 SHEET OF

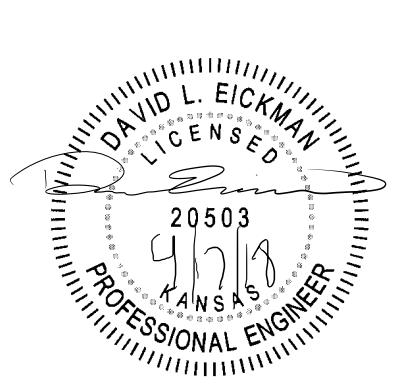




**NON-SETBACK CURB INLET**  
 NOT TO SCALE

**NON-SETBACK CURB INLET NOTES**

1. USE CITY APPROVED CONCRETE THROUGHOUT.
2. THE FIRST DIMENSION LISTED IN THE CONSTRUCTION NOTES IS THE "L" DIMENSION. THE SECOND DIMENSION IS THE "W" DIMENSION.
3. FLOOR OF INLET SHALL BE SHAPED TO PROVIDE SMOOTH FLOW.
4. EXPANSION JOINTS SHALL BE EITHER HOT OR COLD POURED JOINT SEALING COMPOUND, OR PREMOLDED EXPANSION JOINT FILLER.
5. STEEL INLET FRAME SPACERS SHALL BE PLACED AT EQUAL SPACINGS NOT TO EXCEED 4'-0".
6. CAST IRON STEPS TO BE CLAY & BAILEY 2102 OR APPROVED EQUAL. STEEL CORE, PLASTIC COATED STEPS MAY BE USED (M.A. IND., INC. NO. PS1-PF, PS2-PF, OR APPROVED EQUAL). CAST IRON STEPS SHALL BE SPACED AT 1'-4" O.C. VERTICALLY.
7. BEVEL ALL EXPOSED EDGES WITH TRIANGULAR MOLDING.
8. ON-GRADE INLETS SHALL CONFORM TO THE STREET GRADE AND SUMP INLETS SHALL BE LEVEL.
9. ALL STORM SEWER STRUCTURES SHALL BE PRECAST. PRECAST SHOP DRAWINGS SHALL BE APPROVED BY THE DESIGN ENGINEER.
10. REINFORCING STEEL SHALL BE NEW BILLET, MINIMUM GRADE 40 AS PER ASTM A615, AND SHALL BE BENT COLD.
11. ALL DIMENSIONS RELATIVE TO REINFORCING STEEL ARE TO CENTERLINE OF BARS. 2" CLEARANCE SHALL BE PROVIDED THROUGHOUT UNLESS NOTED OTHERWISE. TOLERANCE OF ±1/8" SHALL BE PERMITTED.
12. ALL LAP SPLICES NOT SHOWN SHALL BE A MINIMUM OF 40 BAR DIAMETERS IN LENGTH.
13. ALL DOWELS SHALL BE ACCURATELY PLACED AND SECURELY TIED IN PLACE PRIOR TO PLACEMENT OF BOTTOM SLAB CONCRETE. STICKING OF DOWELS INTO FRESH OR PARTIALLY HARDENED CONCRETE WILL NOT BE ACCEPTABLE.
14. ALL REINFORCING STEEL SHALL BE SUPPORTED ON FABRICATED STEEL BAR SUPPORTS @ 3'-0" MAXIMUM SPACING.
15. DO NOT SCALE THESE DRAWINGS FOR DIMENSIONS OR CLEARANCES. ANY QUESTIONS REGARDING DIMENSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION.
16. THE BOTTOM SLAB SHALL BE AT LEAST 24 HOURS OLD BEFORE PLACING SIDEWALL CONCRETE. ALL SIDEWALL FORMS SHALL REMAIN IN PLACE A MINIMUM OF 24 HOURS AFTER SIDEWALLS ARE POURED BEFORE REMOVAL, AND AFTER REMOVAL SHALL BE IMMEDIATELY TREATED WITH MEMBRANE CURING COMPOUND.
17. ALL CURB INLET TOPS ARE TO BE CONSTRUCTED AFTER FINAL CURB STRING LINE HAS BEEN APPROVED BY THE ENGINEER AND PRIOR TO CURB CONSTRUCTION, OR AS DIRECTED BY THE CITY ENGINEER.
18. RCP CONNECTIONS TO PRECAST STRUCTURE SHALL MEET ALL CITY STANDARDS.
19. BACKFILL AROUND STRUCTURES SHALL BE COMPACTED AND SHALL BE OF THE MATERIAL SPECIFIED PER CITY STANDARDS.
20. NON-SETBACK CURB INLET TO BE USED ONLY WITH THE APPROVAL OF THE CITY ENGINEER.



FOR: **CHARLES OF WICHITA (SOUTHWEST)**  
 WEST KELLOGG & WEST STREET, WICHITA KS

PLANS PREPARED BY: **OLSSON ASSOCIATES**  
 1518 Burlington Street  
 North Kansas City, MO 64116  
 PHONE: 816.257.1335 FAX: 816.257.1335

SHEET TITLE: **DETAILS**  
**CHARLES OF WICHITA (SOUTHWEST)**  
**WEST KELLOGG & WEST STREET, WICHITA KS**

SUBMITTAL: CONSTRUCTION DOCUMENTS  
 DATE: FEBRUARY 26, 2018

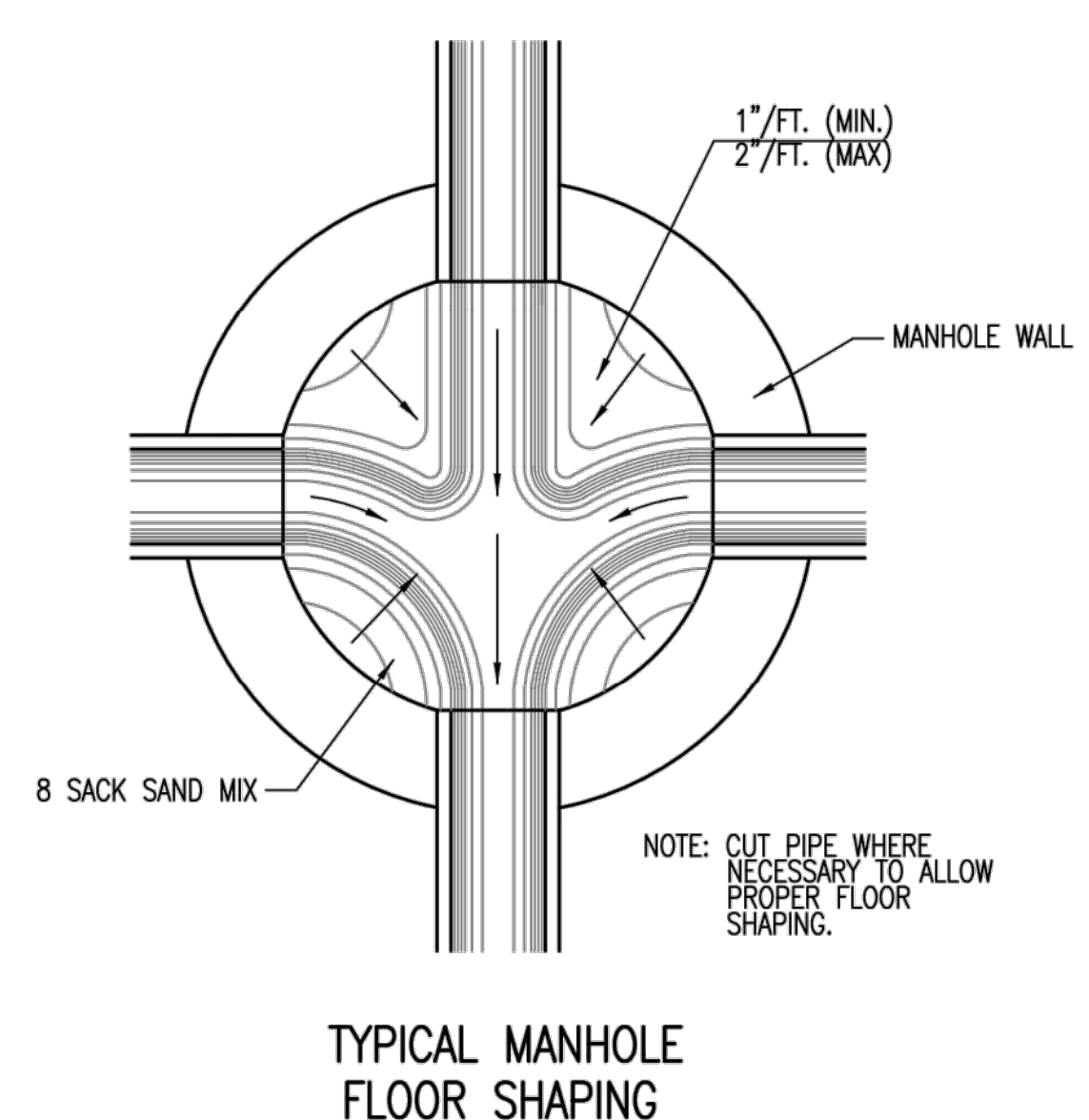
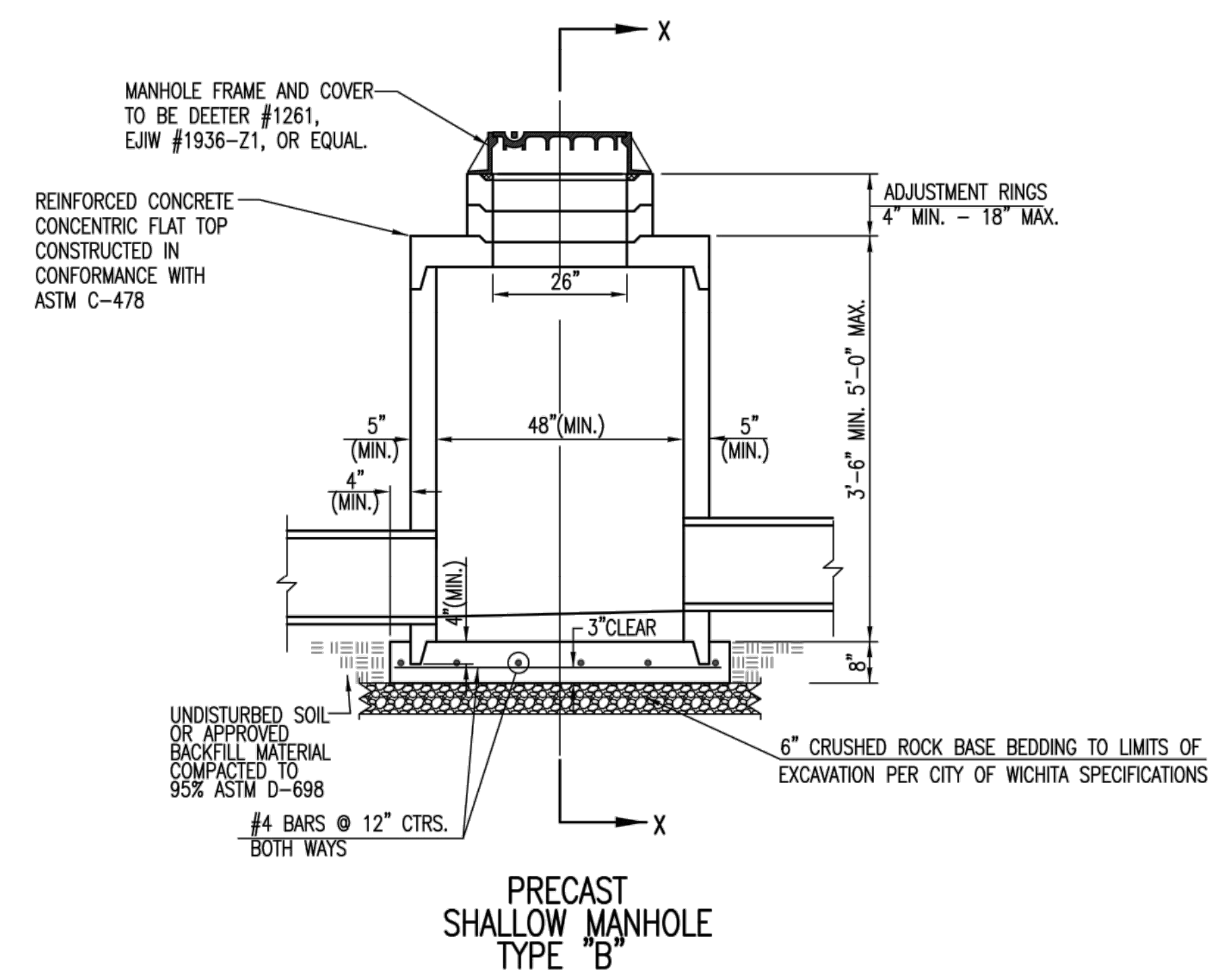
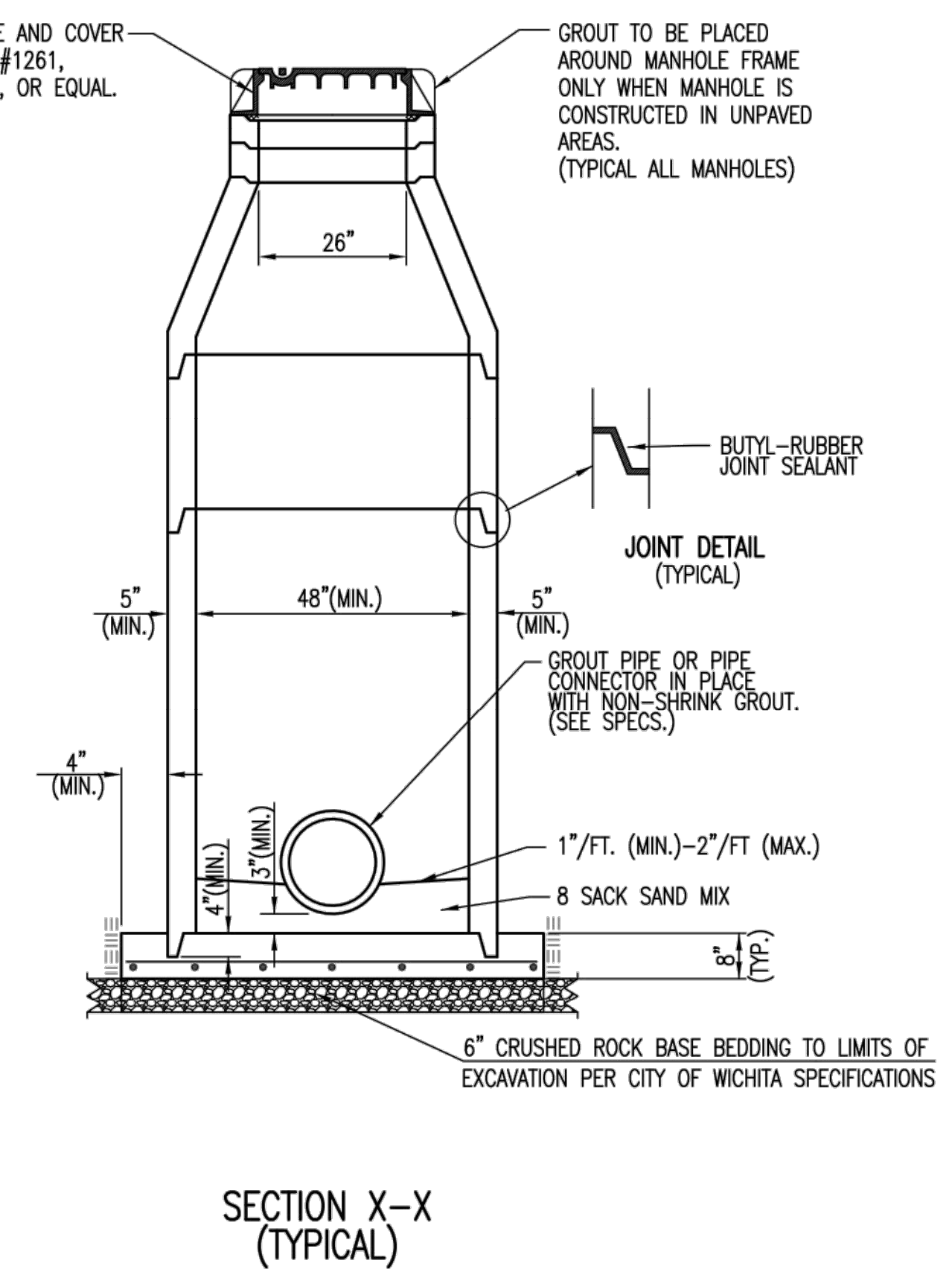
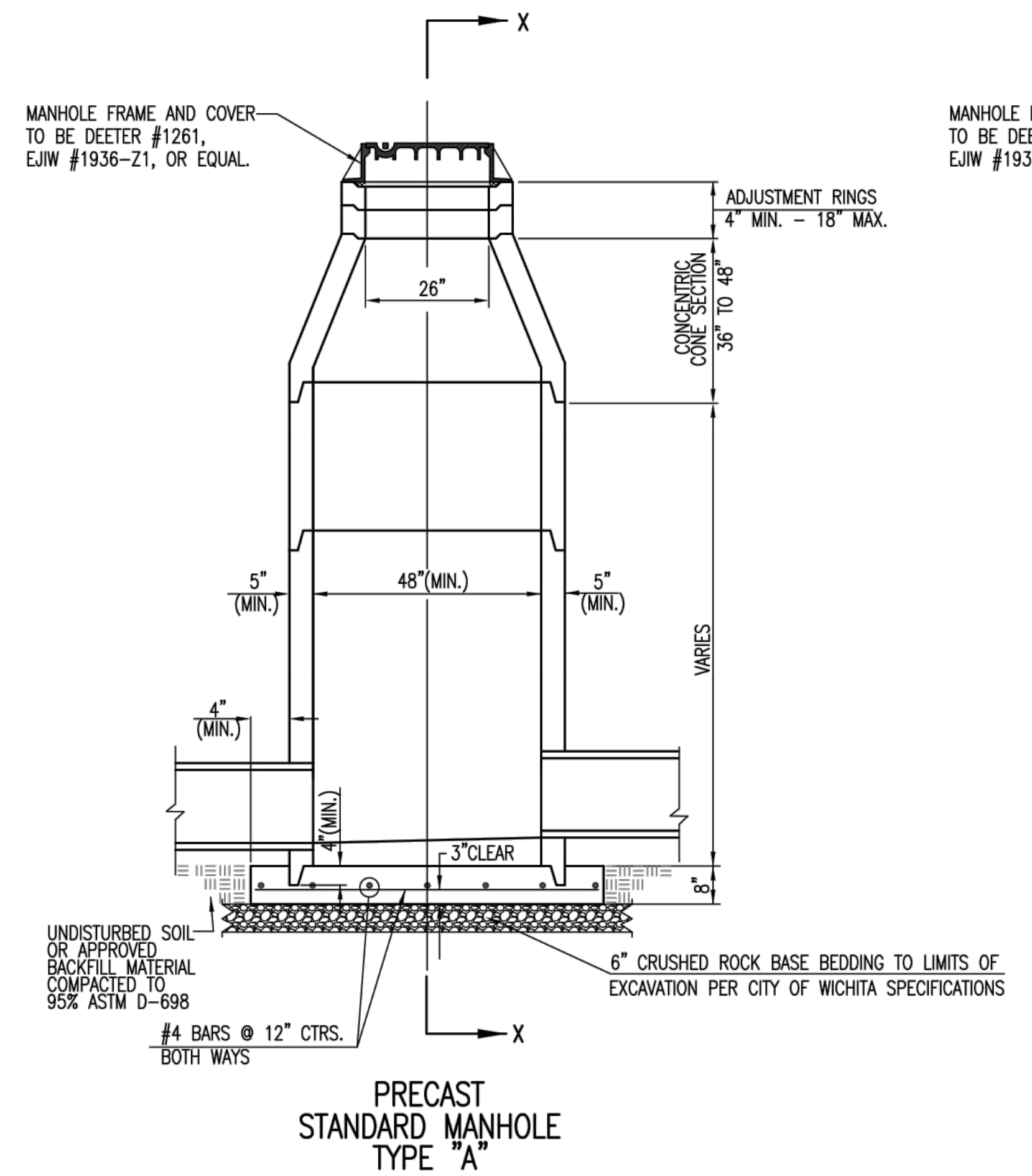
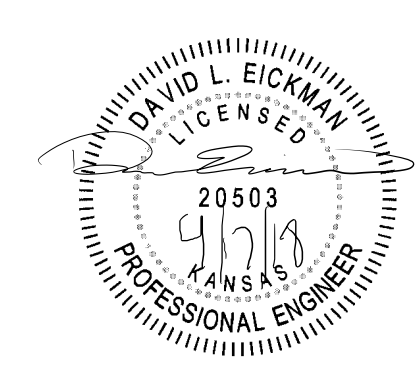
JOB NO.:  
 FILE NAME: CCW #12

PLOT DATE:  
 REVISIONS/DATE:

PPD6  
 SHEET OF

**CAR WASH**





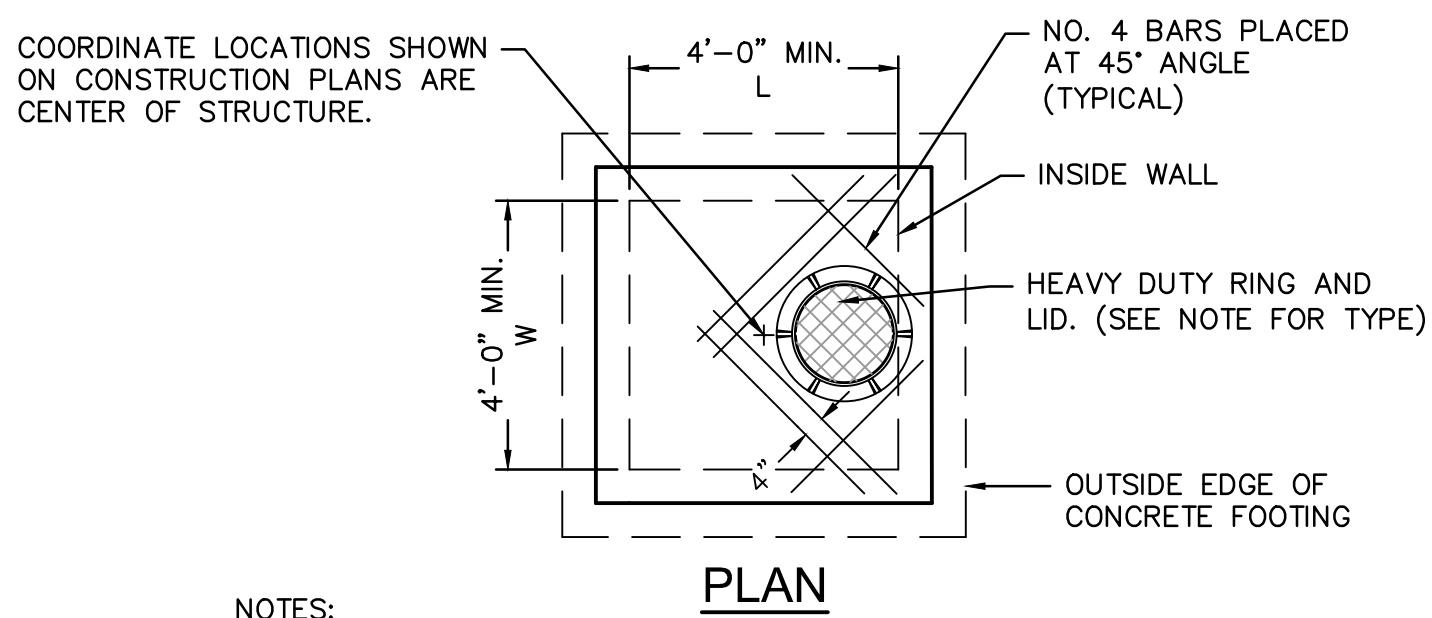
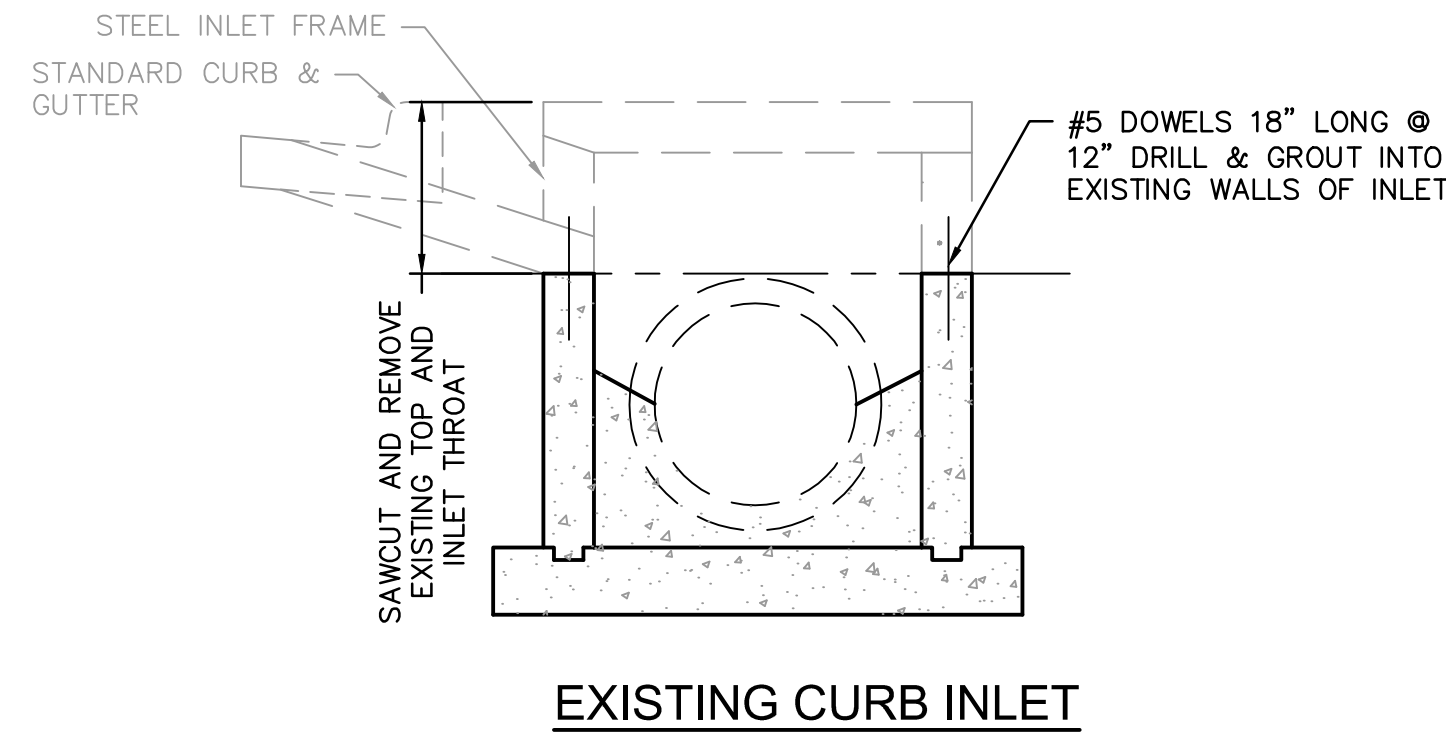
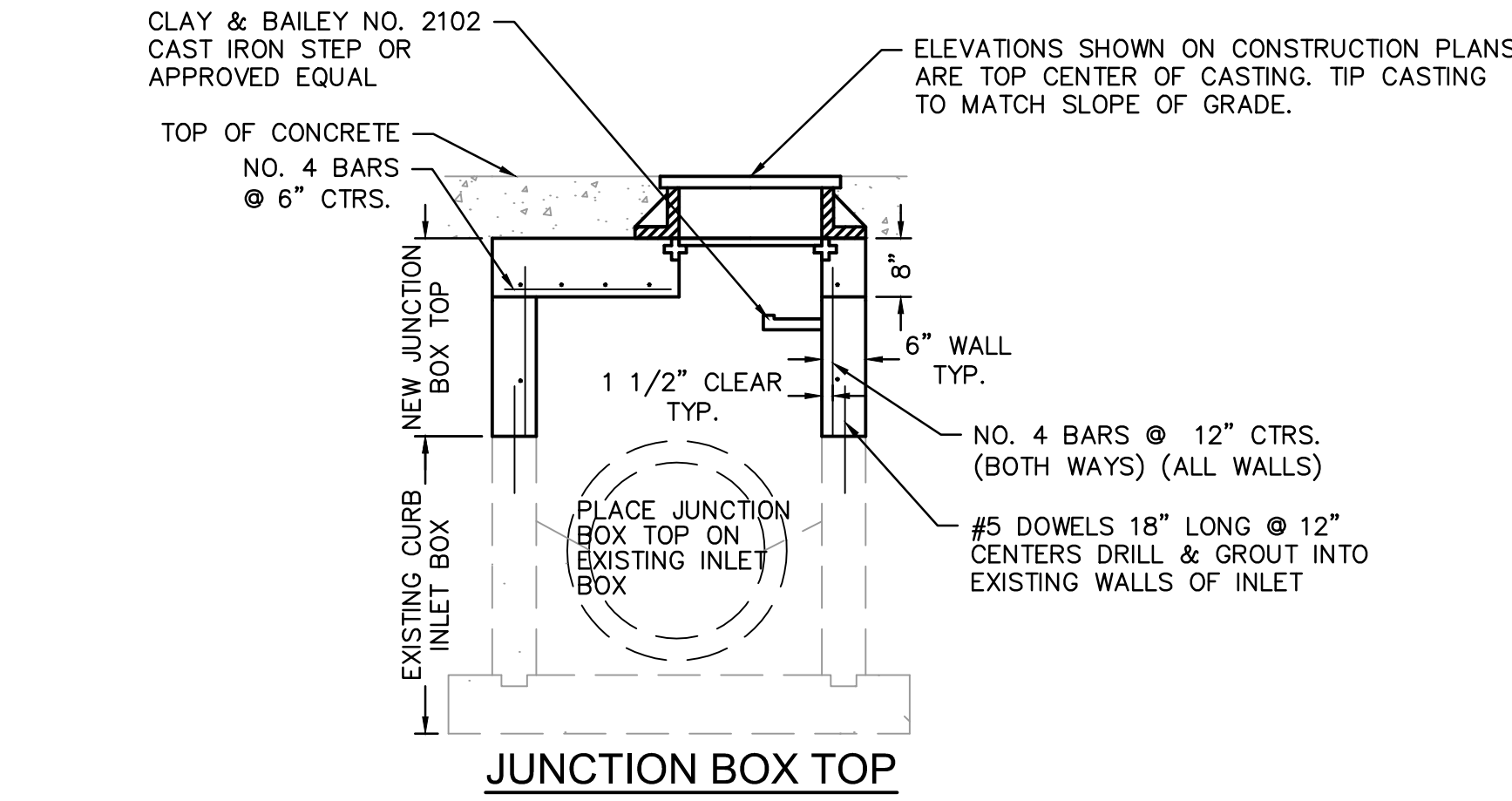
**GENERAL NOTES**

- IF, IN THE OPINION OF THE ENGINEER, THE MANHOLE SUBGRADE APPEARS UNSTABLE, THE CONTRACTOR WILL HAVE THE OPTION TO COMPACT SUBGRADE AS SHOWN OR INCREASE THE THICKNESS OF THE MANHOLE BASE AS DIRECTED BY THE ENGINEER.
- STEEL REINFORCING WILL BE REQUIRED IN ALL MANHOLE BASES.
- ALL MANHOLE CONSTRUCTION SHALL BE WATER TIGHT.
- TOP OF MANHOLE FLOOR SLAB SHALL BE AT LEAST 3 INCHES BELOW THE FLOW LINE OF THE OUTLET PIPE TO INSURE SUFFICIENT MINIMUM THICKNESS OF SHAPED INVERT.
- ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISION OF ASTM C-478 AS MODIFIED BY THE SPECIFICATIONS.
- CONCRETE USED FOR MANHOLE CONSTRUCTION SHALL CONFORM TO CITY OF WICHITA SPECIFICATIONS FOR CONCRETE PAVEMENT MIX.
- PRECAST MANHOLES SHALL BE SET AT LEAST 4 INCHES INTO MANHOLE BASE.
- MANHOLES WITH PIPE SIZES 24" AND LARGER SHALL HAVE 5 FOOT INSIDE DIAMETER (MIN.)
- MANHOLES WITH PRECAST BASES MAY BE USED AT THE CONTRACTORS OPTION. THESE MANHOLES SHALL HAVE AN 8" MINIMUM BASE THICKNESS AND SHALL BE PLACED ON AN 8" MIN. CRUSHED ROCK BASE. PIPES SHALL BE ENCASED WITH CRUSHED ROCK TO AT LEAST 3 FEET FROM THE MANHOLE WALL.
- CONTRACTOR SHALL REMOVE LIFTING HOOKS AFTER INSTALLATION. RECESSES IN MANHOLE WALL SHALL BE GROUTED FLUSH TO THE MANHOLE WALL WITH HYDRAULIC CEMENT AFTER THE MANHOLE IS IN PLACE. LIFTING HOLES THRU THE MANHOLE WALL WILL NOT BE ACCEPTED.
- THE ENDS OF ALL PIPES IN MANHOLES SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE MANHOLE WALL.
- MANHOLE INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE MANHOLE WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.
- MANHOLE FRAME AND COVER TO BE DEETER #1261, EJIW #1936-Z1, OR APPROVED EQUAL, SEE SW-303.
- FOR FLAT GRATED INLET APPLICATION, GRATE TO BE DEETER #1933, EJIW #1205 MDI, OR APPROVED EQUAL.
- FOR BEEHIVE GRATE APPLICATION, GRATE TO BE DEETER #4495, EJIW #120545, OR APPROVED EQUAL.



|  |            |       |
|--|------------|-------|
| REVISIONS: MARCH 2015<br><b>PRECAST CONCRETE MANHOLE (STORM SEWER)</b>   |            |       |
| CITY ENGINEER<br><b>GARY JANZEN, P.E.</b>  |            |       |
| PROJECT NUMBER   | OCA NUMBER | DATE  |
| CITY ENGINEER'S OFFICE<br>CITY HALL - SEVENTH FLOOR<br>455 NORTH MAIN STREET<br>WICHITA, KANSAS 67202-1620<br>(316) 268-4501 |            | SHEET |

SUBMITTAL: CONSTRUCTION DOCUMENTS  
 DATE: FEBRUARY 26, 2018  
 JOB NO.: CCW #12  
 FILE NAME:  
 PLOT DATE:  
 REVISIONS/DATE:  
 SHEET TITLE: **DETAILS CHARLIES OF WICHITA (SOUTHWEST) WEST KELLOGG & WEST STREET, WICHITA KS**  
 SHEET OF: **PPD7**

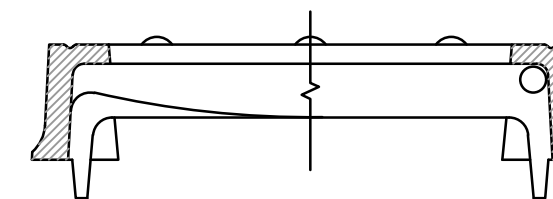
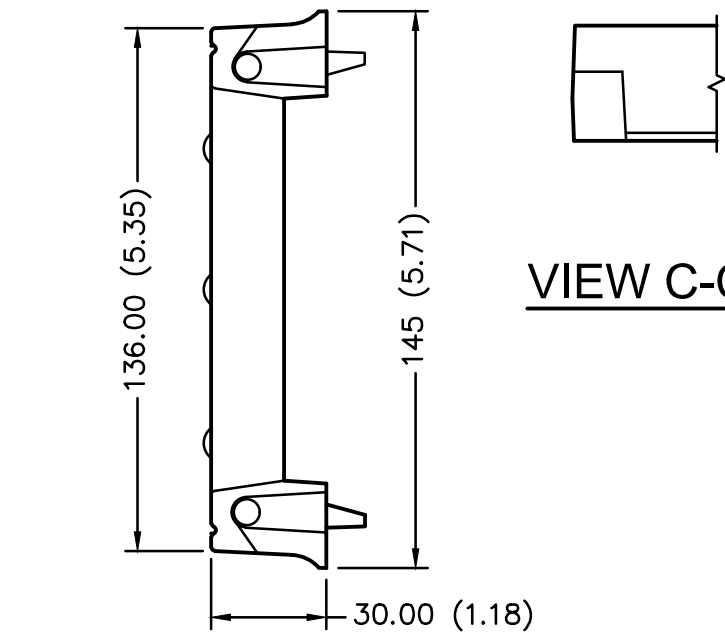
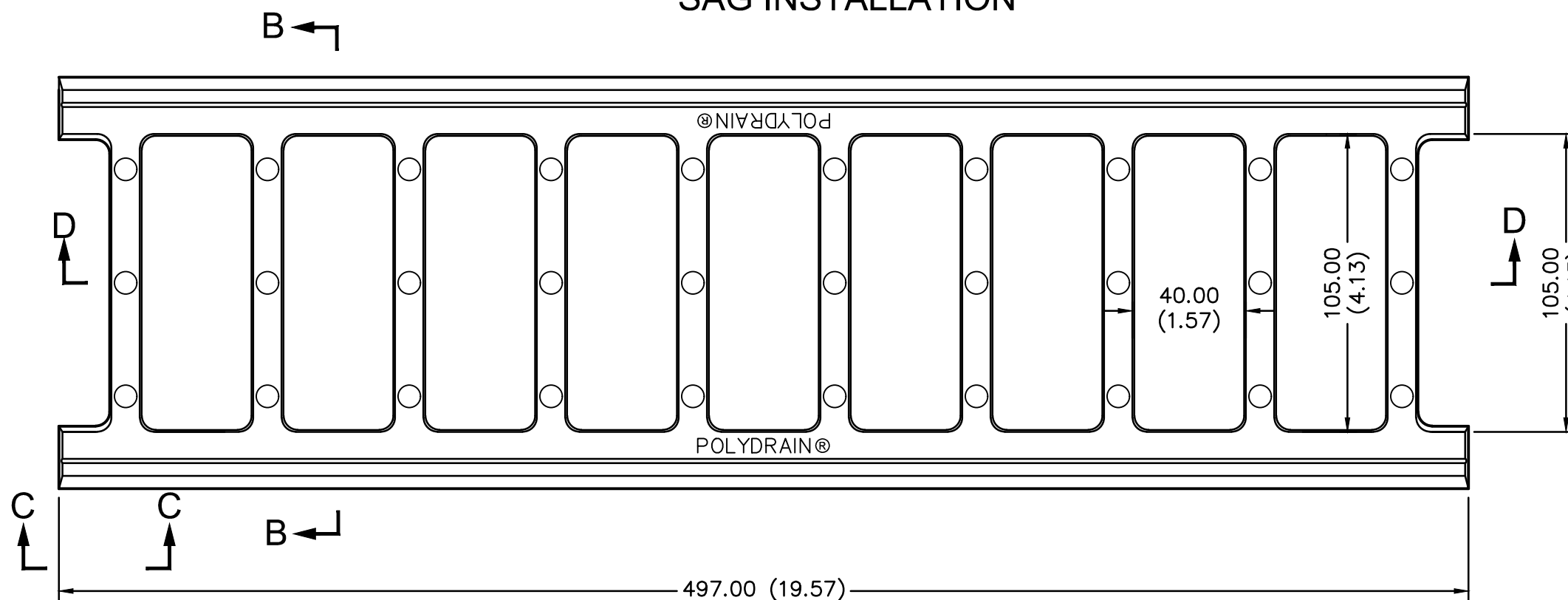
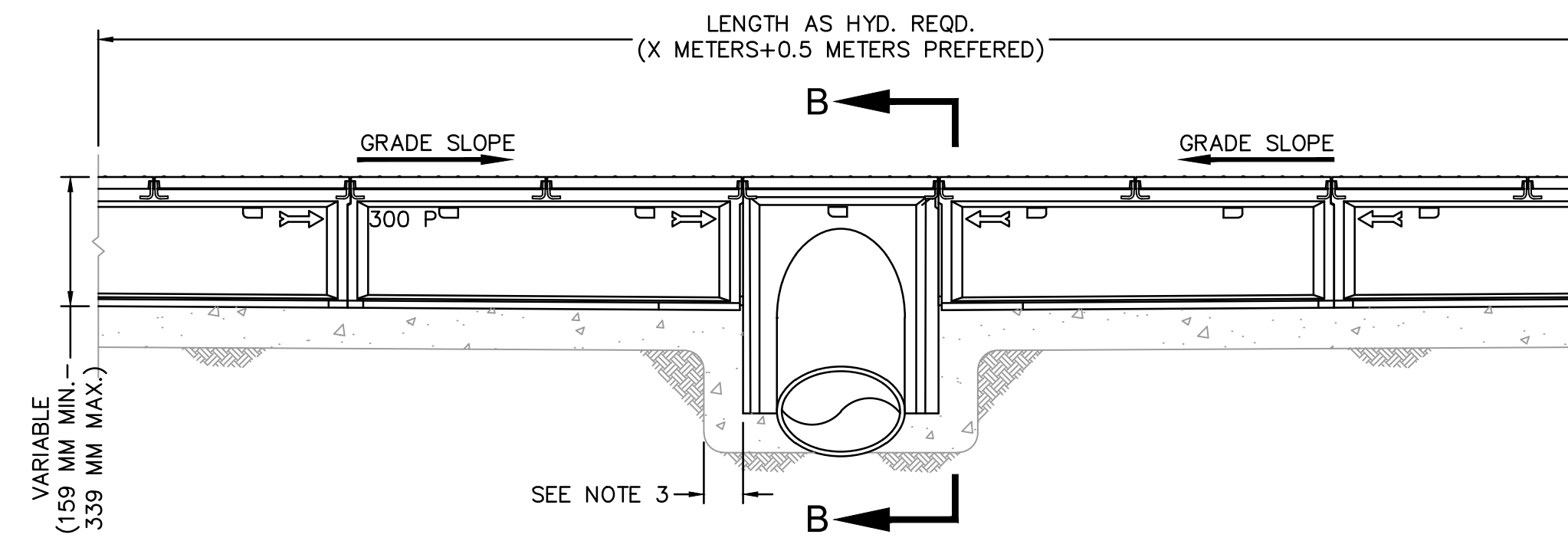
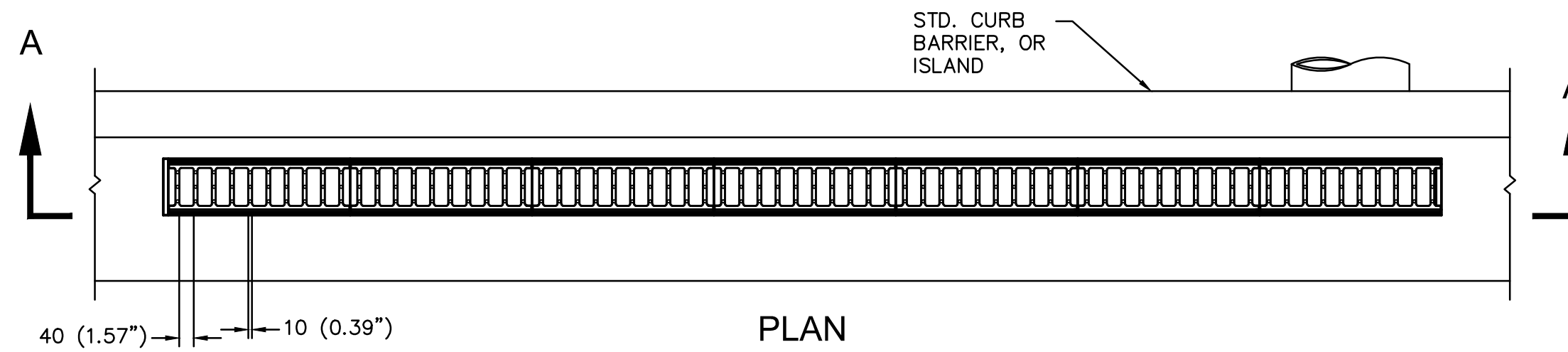


**NOTES:**

1. REINFORCING STEEL SHALL BE NEW BILLET, MINIMUM GRADE 60 AS PER ASTM A615M, AND SHALL BE BENT COLD.
2. ALL DIMENSIONS RELATIVE TO REINFORCING STEEL ARE TO CENTERLINE OF BARS. 2" CLEARANCE SHALL BE PROVIDED THROUGHOUT UNLESS NOTED OTHERWISE. TOLERANCE OF ± 1/8" SHALL BE PERMITTED.
3. ALL LAP SPLICES NOT SHOWN SHALL BE A MINIMUM OF 40 BAR DIAMETERS IN LENGTH.
4. ALL REINFORCING STEEL SHALL BE SUPPORTED ON FABRICATED STEEL BAR SUPPORTS @ 3'-0" MAXIMUM SPACING.
5. FLOOR OF INLET SHALL BE SHAPED WITH INVERT TO PROVIDE SMOOTH FLOW.
6. LOCATE MH RING OVER OUTLET. STEPS SHALL BE SPACED AT 1'-4" O.C. VERTICALLY.
7. BEVEL ALL EXPOSED EDGES WITH 3/4" CHAMFER OR 1/2" TOOLED EDGE.
8. MANHOLE RING AND COVER SHALL BE CLAY & BAILEY NO. 2007, NEENAH NO. R-1669, DEETER NO. 1320 OR GCI NO. SM2206 STD.

**CURB INLET TO JUNCTION BOX CONVERSION DETAIL**

NOT TO SCALE

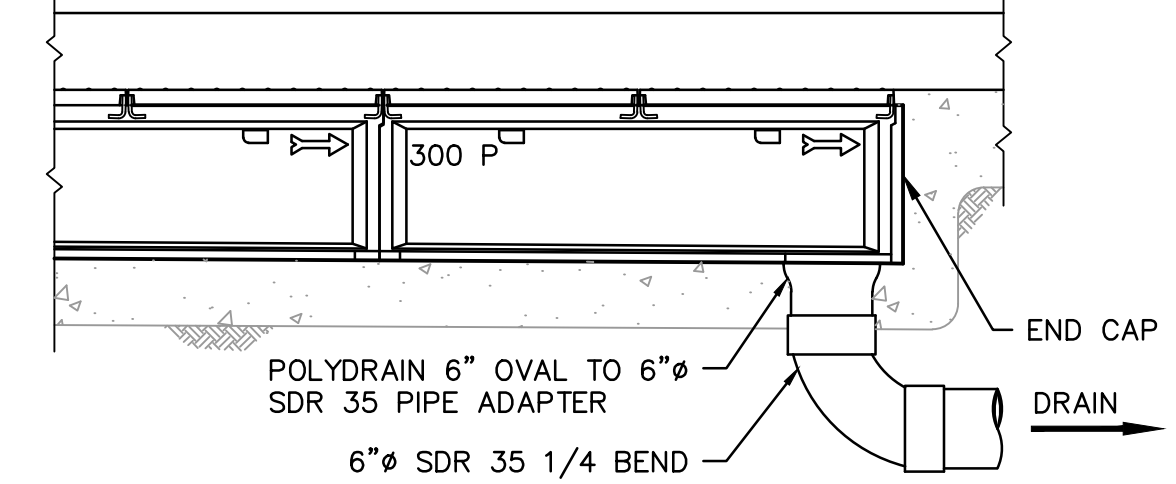
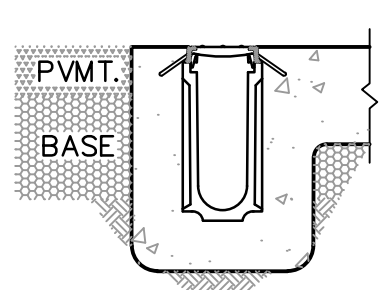


**NOTES:**

1. MATERIAL: ASTM A536 GRADE 65-45-12 DUCTILE IRON CASTING. MATERIAL CERTIFICATION REQUIRED.
2. TOLERANCES: 0.50[0.020"] + (0.05[0.002"] X FEATURE LENGTH) + (0.50[0.020"] X PARTING LINES) UNLESS NOTED OTHERWISE ON DRAWING. SEE ANSI TOLERANCING SYMBOLS.
3. SHOT PEENED / BLASTED FINISH. NO PAINT UNLESS SPECIFIED ON PURCHASE ORDER.
4. EXTERIOR CORNER RADII 0.50[0.020"] TO 1.50[0.060"] UNLESS SPECIFIED OTHERWISE ON DRAWING.
5. INTERIOR FILLET RADII 0.00 TO 3.00[1/8"] UNLESS SPECIFIED OTHERWISE ON DRAWING.
6. TYPICAL DRAFT ANGLE IS 2° TO 5° UNLESS SPECIFIED OTHERWISE ON DRAWING.
7. ALL FEATURES STRAIGHT, SQUARE, SYMMETRICAL, AND/OR TYPICAL UNLESS NOTED OTHERWISE.

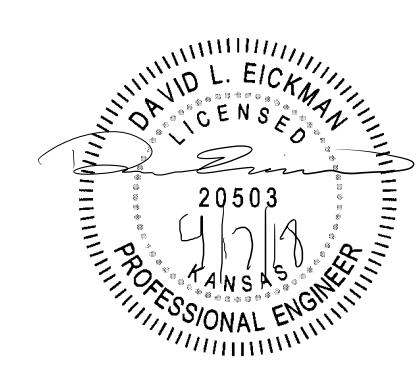
**LINE DRAIN NOTES:**

1. LINE DRAIN IS SUITABLE FOR APPLICATIONS FOR CONTROLLING SPREAD IN GUTTER FLOW CONDITIONS OR TO INTERCEPT SHEET FLOW. TYPICAL APPLICATION IS AT THE STREET CURB OR BARRIER.
2. THE FRAME AND GRATE IS SUITABLE FOR PEDESTRIAN AND BICYCLE TRAFFIC AND RATED FOR H-25 AND HS-25 LOADS.
3. CONCRETE THICKNESS, TYPE, AND AMOUNT OF REINFORCEMENT TO BE SAME AS ADJACENT PAVEMENT OR GREATER. PERFORM STRUCTURAL ANALYSIS TO DETERMINE REQUIREMENTS FOR APPLICATION.
4. TOP OF GRATE TO BE INSTALLED FLUSH TO 3 MM BELOW FINISHED GRADE. BEVEL CONCRETE TO TOP OF GRATE IF BELOW FLUSH.



**INTERCEPTOR TRENCH DRAIN DETAIL**

NOT TO SCALE



FOR: **Charlton's CAR WASH**

PLANS PREPARED BY: **Olsson ASSOCIATES**

1501 Burlington Street  
 North Kansas City, MO 64116  
 PHONE: 816.237.2338  
 FAX: 816.237.2335

SHEET TITLE: **DETAILS CHARLTON'S WICHITA (SOUTHWEST)**

CONSTRUCTION DOCUMENTS

JOB NO.: **CCW #12**

DATE: **FEBRUARY 26, 2018**

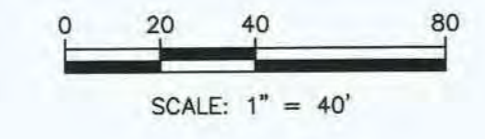
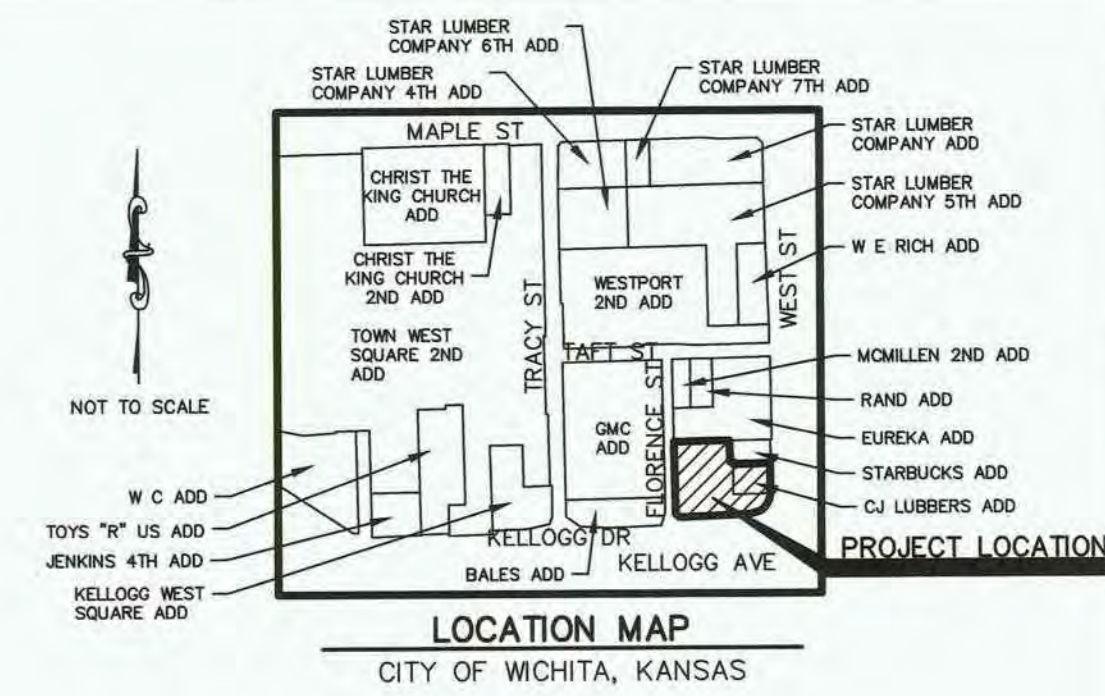
PLOT DATE:

REVISIONS/DATE:

PPD8

SHEET OF

FINAL PLAT OF  
**KW FLORENCE ADDITION**  
 WICHITA, SEDGWICK COUNTY, KANSAS  
 A PORTION OF NE 1/4 SEC. 26, TOWNSHIP 27 SOUTH, RANGE 1 WEST  
 WICHITA, SEDGWICK COUNTY, KANSAS



- LEGEND**
- △ SECTION CORNER FOUND, ORIGIN UNCERTAIN UNLESS OTHERWISE NOTED
  - MONUMENT FOUND, ORIGIN UNCERTAIN UNLESS OTHERWISE NOTED
  - 1/2" X 24" REBAR W/KVE CLS 20 CAP SET, UNLESS OTHERWISE NOTED
  - (P) PLATTED
  - (PL) BEARING & DISTANCE PER KDOT PLAN 235-87 KA-0161-04
  - (M) MEASURED BEARINGS & DISTANCE
  - (D) DESCRIBED (PER DOC.#/FLM-PG: 29706672)
  - LINE NOT DRAWN TO SCALE

**LAND SURVEYOR'S CERTIFICATE AND DESCRIPTION**  
 THAT PORTION OF THE NORTHEAST QUARTER OF SECTION 26, TOWNSHIP 27 SOUTH, RANGE 1 WEST OF THE 6TH P.M., SEDGWICK COUNTY, KANSAS DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SAID NORTHEAST QUARTER; THENCE ON THE WEST LINE OF SAID QUARTER, N 01°17'52" W 122.04 FEET; THENCE N 88°42'08" E 30.00 FEET TO THE INTERSECTION OF THE EAST RIGHT-OF-WAY OF FLORENCE STREET AND THE NORTH LINE OF A TRACT OF LAND DESCRIBED AS PARCEL 1 IN DEED RECORDED AS DOC.#/FLM-PG: 29706672 AND THE POINT OF BEGINNING; THENCE ON THE NORTH LINE OF SAID TRACT OF LAND, N 88°21'43" E 328.48 FEET TO THE NORTHWEST CORNER OF SAID LOT 1, S 01°24'41" E 121.61 FEET TO THE SOUTHWEST CORNER OF SAID LOT 1; THENCE ON THE SOUTH LINE OF SAID LOT 1, N 88°19'12" E 18.25 FEET TO THE NORTHERLY PROLONGATION OF THE WEST LINE OF LOT 1 OF CJ LUBBER'S ADDITION; THENCE ON SAID WEST LINE AND ITS NORTHERLY PROLONGATION, S 01°13'11" E 15.50 FEET; THENCE PARALLEL WITH SAID SOUTH LINE OF LOT 1 IN BLOCK A OF STARBUCK'S ADDITION, N 88°19'12" E 220.23 FEET TO THE WEST RIGHT-OF-WAY LINE OF WEST STREET; THENCE ON SAID WEST RIGHT-OF-WAY LINE, S 04°20'49" W 15.96 FEET TO THE NORTH LINE OF SAID LOT 1 OF CJ LUBBER'S ADDITION; THENCE ON SAID NORTH LINE OF SAID LOT 1 OF CJ LUBBER'S ADDITION, S 88°19'12" W 218.69 FEET TO THE WEST LINE OF SAID LOT 1; THENCE ON SAID WEST LINE OF SAID LOT 1, S 01°13'11" E 167.77 FEET TO THE SOUTH LINE OF SAID LOT 1; THENCE ON SAID SOUTH LINE OF SAID LOT 1, N 88°27'39" E 216.97 FEET TO SAID WEST RIGHT-OF-WAY LINE OF WEST STREET AND NORTH RIGHT-OF-WAY LINE OF US HIGHWAY 54 (WEST KELLOGG AVENUE); THENCE ON SAID NORTH RIGHT-OF-WAY LINE, S 15°28'11" W 33.43 FEET; THENCE CONTINUING ON SAID NORTH RIGHT-OF-WAY LINE, S 26°34'45" W 35.56 FEET; THENCE CONTINUING ON SAID NORTH RIGHT-OF-WAY LINE, S 43°13'02" W 41.72 FEET; THENCE CONTINUING ON SAID NORTH RIGHT-OF-WAY LINE, S 72°49'31" W 72.27 FEET; THENCE CONTINUING ON SAID NORTH RIGHT-OF-WAY LINE, S 87°14'46" W 414.95 FEET; THENCE CONTINUING ON SAID NORTH RIGHT-OF-WAY LINE, N 48°03'49" W 32.70 FEET TO SAID EAST RIGHT-OF-WAY LINE OF FLORENCE STREET; THENCE ON SAID EAST RIGHT-OF-WAY LINE, N 01°17'52" W 418.86 FEET TO THE POINT OF BEGINNING.

SAID TRACT CONTAINS: 173,854 SQUARE FEET OR 3.99 ACRES OF LAND, MORE OR LESS.

I, JASON R. LOADER (PS), BEING A DULY LICENSED AND REGISTERED LAND SURVEYOR IN THE STATE OF KANSAS, HEREBY CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT WAS BASED, WAS MADE IN ACCORDANCE WITH THE CURRENT KANSAS MINIMUM STANDARDS FOR BOUNDARY SURVEYS, WAS MADE BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT TO THE BEST OF MY BELIEF AND ABILITY.

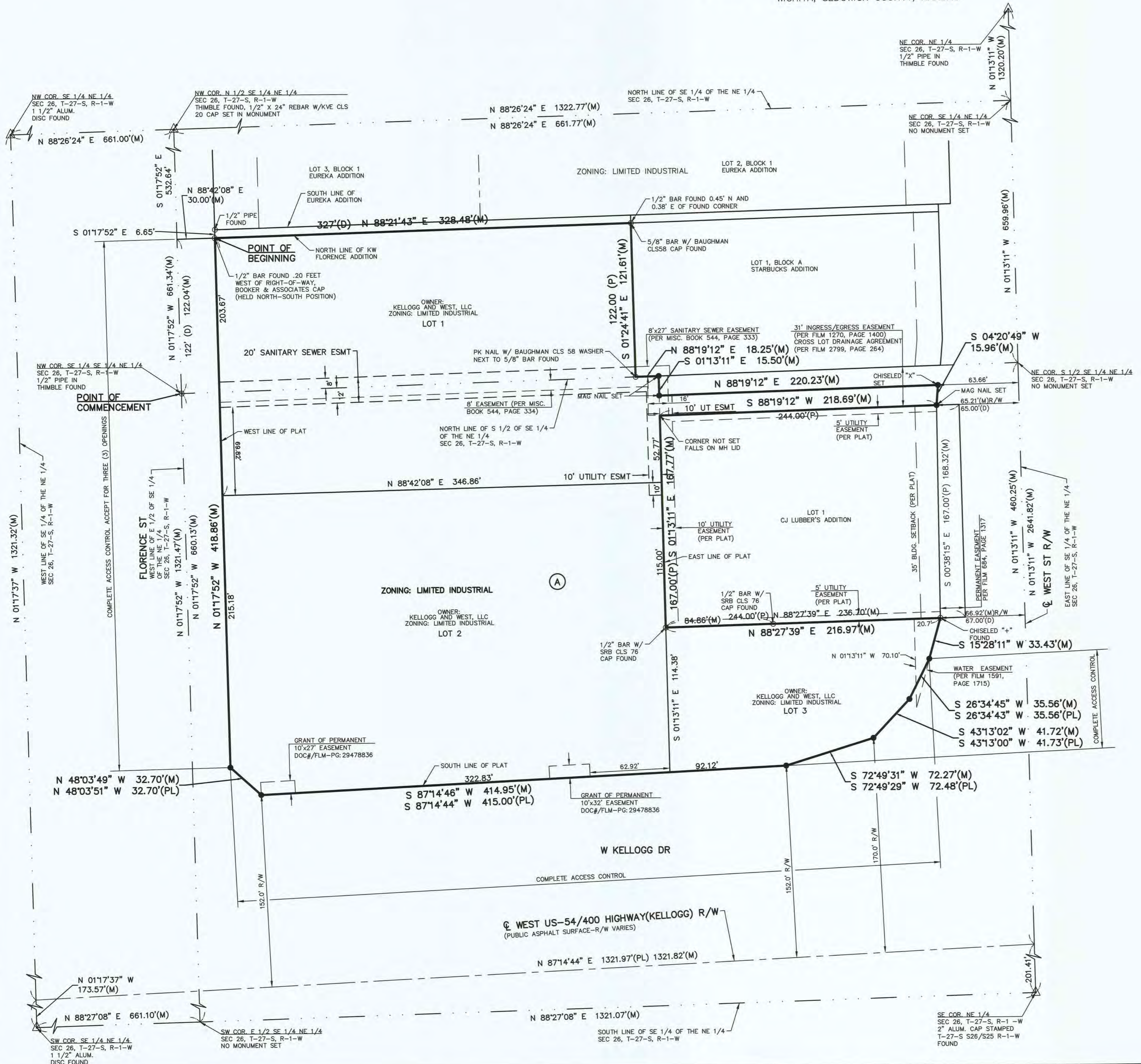
DATE OF SURVEY: JULY 28, 2017



JASON R. LOADER  
 KANSAS PS NO. 1462  
 loaderj@kvenng.com

**NOTE:**  
 THIS PLAT IS SUBJECT TO THE CONDITIONS OF THE KW FLORENCE COMMERCIAL COMMUNITY UNIT PLAN (DP-334).

**BASIS OF BEARINGS:**  
 THE BASIS OF BEARINGS FOR THIS SURVEY IS AN ASSUMED BEARING OF N 01°13'11" W ALONG THE EAST LINE OF THE SOUTHEAST QUARTER OF SECTION 26, TOWNSHIP 27 SOUTH, RANGE 1 WEST.



FINAL PLAT OF  
**KW FLORENCE ADDITION**  
**WICHITA, SEDGWICK COUNTY, KANSAS**  
 A PORTION OF NE 1/4 SEC. 26, TOWNSHIP 27 SOUTH, RANGE 1 WEST  
 WICHITA, SEDGWICK COUNTY, KANSAS

**OWNER'S CERTIFICATE**

STATE OF KANSAS }  
 COUNTY OF SEDGWICK } SS

KNOW ALL MEN BY THESE PRESENTS THAT WE, THE UNDERSIGNED, HAVE CAUSED THE LAND DESCRIBED IN THE SURVEYOR'S CERTIFICATE TO BE PLATTED INTO LOTS AND A BLOCK TO BE KNOWN AS "KW FLORENCE ADDITION", WICHITA, SEDGWICK COUNTY, KANSAS.

NO SIGNS, LIGHT POLES, MASONRY TRASH ENCLOSURES OR OTHER STRUCTURES SHALL BE LOCATED WITHIN PUBLIC UTILITY EASEMENTS UNLESS PERMITTED BY THE PUBLIC WORKS DEPARTMENT OF THE APPROPRIATE GOVERNING BODY.

THE UTILITY EASEMENTS ARE HEREBY GRANTED AS INDICATED FOR THE CONSTRUCTION AND MAINTENANCE OF ALL PUBLIC UTILITIES. THE DRAINAGE, UTILITY AND SANITARY SEWER EASEMENTS ARE HEREBY GRANTED FOR THE CONSTRUCTION AND MAINTENANCE OF DRAINAGE, UTILITY AND SANITARY SEWER LINES.

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

ACCESS CONTROLS PER CITY OF WICHITA ACCESS MANAGEMENT STANDARDS AND THE APPROVAL OF THE CITY TRAFFIC ENGINEER.

KELLOGG AND WEST, LLC  
 A KANSAS LIMITED LIABILITY COMPANY

*Christian Ablah*  
 CHRISTIAN ABLAH, MANAGING MEMBER

KELLOGG & WEST, LLC  
 A KANSAS LIMITED LIABILITY COMPANY

*Christian Ablah*  
 CHRISTIAN ABLAH, MANAGING MEMBER

**NOTARY CERTIFICATE**

STATE OF KANSAS }  
 COUNTY OF SEDGWICK } SS

THE INSTRUMENT WAS ACKNOWLEDGED BEFORE ME, THIS 19th DAY OF January, 2018, BY CHRISTIAN ABLAH, MANAGING MEMBER OF KELLOGG AND WEST, LLC, A KANSAS LIMITED LIABILITY COMPANY, ON BEHALF OF THE COMPANY.



*Timothy F. Austin*  
 NOTARY PUBLIC

MY APP'T. EXP. June 16, 2018

**MORTGAGE CERTIFICATE**

WE THE UNDERSIGNED HOLDERS OF MORTGAGE ON THE ABOVE DESCRIBED PROPERTY, DO HEREBY CONSENT TO THIS PLAT OF "KW FLORENCE ADDITION", WICHITA, SEDGWICK COUNTY, KANSAS.

EMPRISE BANK

*Jim Fatt* EVP  
 (TITLE)

**NOTARY CERTIFICATE**

STATE OF KANSAS }  
 COUNTY OF SEDGWICK } SS

THE INSTRUMENT WAS ACKNOWLEDGED BEFORE ME, THIS 22 DAY OF January, 2018, BY Jim Fatt EVP OF EMPRISE BANK, ON BEHALF OF THE BANK.



*Matt Bollenbach*  
 NOTARY PUBLIC

MY APP'T. EXP. 3-11-19

**PLANNING COMMISSION CERTIFICATE**

STATE OF KANSAS }  
 COUNTY OF SEDGWICK } SS

THIS PLAT OF "KW FLORENCE ADDITION", WICHITA, SEDGWICK COUNTY, KANSAS, HAS BEEN SUBMITTED TO AND APPROVED BY THE WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION, WICHITA, SEDGWICK COUNTY, KANSAS. DATED THIS 21st DAY OF SEPTEMBER, 2017.

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

*Joseph A. Johnson*  
 JOSEPH A. JOHNSON, CHAIRMAN

ATTEST: *Dale Miller*  
 DALE MILLER, SECRETARY



**GOVERNING BODY CERTIFICATE**

STATE OF KANSAS }  
 COUNTY OF SEDGWICK } SS

THIS PLAT APPROVED AND ALL DEDICATIONS SHOWN HEREON, ACCEPTED BY THE CITY COUNCIL OF THE CITY OF WICHITA, KANSAS. DATED THIS 20th DAY OF February, 2018.

*Jeff Longwell*  
 JEFF LONGWELL, MAYOR

ATTEST: *Karen Sublett*  
 KAREN SUBLETT, CITY CLERK

**DEPUTY COUNTY SURVEYOR CERTIFICATE**

REVIEWED IN ACCORDANCE WITH K.S.A. 58-2005 ON THIS 19th DAY OF February, 2018.

*Tricia L. Robello*  
 TRICIA L. ROBELLO, PS. #1246  
 DEPUTY COUNTY SURVEYOR  
 SEDGWICK COUNTY KANSAS.

**TRANSFER RECORD**

ENTERED ON TRANSFER RECORD THIS \_\_\_\_ DAY OF \_\_\_\_\_, 2018.

\_\_\_\_\_  
 COUNTY CLERK  
 KELLY B. ARNOLD

**REGISTER OF DEEDS CERTIFICATE**

STATE OF KANSAS }  
 COUNTY OF SEDGWICK } SS

THIS IS TO CERTIFY THAT THIS INSTRUMENT WAS FILED FOR RECORD IN THE REGISTER OF DEEDS OFFICE, AT O'CLOCK \_\_\_\_M., ON THE \_\_\_\_ DAY OF \_\_\_\_\_, 2018.

\_\_\_\_\_  
 REGISTER OF DEEDS  
 TONYA BUCKINGHAM

\_\_\_\_\_  
 DEPUTY  
 JUDY J. PAGET



**KAW VALLEY ENGINEERING, INC.**

200 N. EMPORIA, SUITE 100  
 WICHITA, KANSAS 67202  
 PH. (316) 440-4304 | FAX (316) 440-4309  
 wh@kveng.com | www.kveng.com