

**GENERAL NOTES**

- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS. ALL CONSTRUCTION SHALL BE COMPLETED FOLLOWING CURRENT CITY STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE NOTICE TO UTILITY COMPANIES A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO ANY EXCAVATION, AS FOLLOWS:  

KANSAS ONE CALL	1-800-344-7233
	OR 1-316-687-2470

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

AT&T	1-800-246-8464
BLACK HILLS ENERGY	1-800-694-8989
CITY OF WICHITA WATER	1-316-268-4555
CITY OF WICHITA SEWER	1-316-268-4073
CITY OF WICHITA STORMWATER	1-316-268-4090
CITY OF WICHITA TRAFFIC	1-316-268-4034
COX COMMUNICATIONS	1-888-249-3530
KANSAS GAS SERVICE	1-888-482-4950
WESTAR ENERGY	1-800-544-4857
- UTILITY SERVICE LINES, POLES, ETC. ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.
- 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, 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 FLOODPLAIN 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.
- TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEERS APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY THE CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
- THE WATER DISTRIBUTION DIVISION SHALL FIELD LOCATE WATER VALVES ONE TIME DURING CONSTRUCTION WHEN REQUESTED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PRESERVE SUCH FIELD LOCATIONS DURING THE CONSTRUCTION PROCESS. WATER VALVES, VALVE BOXES OR FIRE HYDRANTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY CONTRACTOR AT HIS OWN EXPENSE. VALVE BOXES AND WATER METERS WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO MATCH FIELD GRADES.
- THE CONTRACTOR SHALL NOTIFY THE CONSULTANT ENGINEER AND TOM MASON WITH THE CITY OF WICHITA AT 316-268-4574 WITH THE ANTICIPATED CONSTRUCTION START DATE AND NOTIFY THEM OF THE PROJECT COMPLETION. STAKING AND INSPECTION FOR THIS PROJECT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- IF TRAFFIC IS IMPACTED BY CONSTRUCTION, A TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CITY TRAFFIC ENGINEER, BRIAN COON AT TRAFFIC@WICHITA.GOV BEFORE CONSTRUCTION CAN BEGIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES TO FACILITATE CONSTRUCTION. ALL CONSTRUCTION ZONE MARKINGS AND SIGNAGE SHALL CONFORM TO THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS PUBLISHED BY THE US DEPT. OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION. ALL COSTS ASSOCIATED WITH CONSTRUCTION MARKINGS AND SIGNAGE SHALL BE THE CONTRACTORS RESPONSIBILITY.
- ALL ELEVATIONS SHOWN ARE (NGVD 29).
- ALL AREAS DISTURBED DURING CONSTRUCTION THAT WILL NOT BE UNDER PROPOSED PAVEMENT SHALL BE RESTORED TO MATCH EXISTING CONDITIONS.
- A PORTION OF EXCESS EXCAVATED MATERIAL SHALL BE MOUNDED 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 TO THE MANHOLES.
- GEOTECHNICAL REPORT AVAILABLE UPON REQUEST.
- CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH OPENINGS OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.
- CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL MANHOLE COVERS.
- CITY MAINTENANCE OF STORM SEWERS ENDS AT RIGHT-OF-WAY OR EASEMENT LINE.
- 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.
- 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 INFORMATION SHALL BE COMPATIBLE WITH THE CITY INPUT TEMPLATE. A COPY OF THE TEMPLATE IS AVAILABLE UPON REQUEST AT 316-268-4090
- STORM SEWER SYSTEM WILL BE PRIVATELY OWNED AND MAINTAINED.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING EROSION CONTROL AS NEEDED REGARDLESS OF WHAT THE CONSTRUCTION PLANS SHOW. EROSION CONTROL BMP DETAILS CAN BE FOUND AT [HTTP://WWW.WICHITA.GOV/GOVERNMENT/DEPARTMENTS/PWU/PAGES/REGULATIONS.ASPX](http://WWW.WICHITA.GOV/GOVERNMENT/DEPARTMENTS/PWU/PAGES/REGULATIONS.ASPX)

# DRAINAGE PRIVATE PROJECT PLANS FOR

## The Yard Store

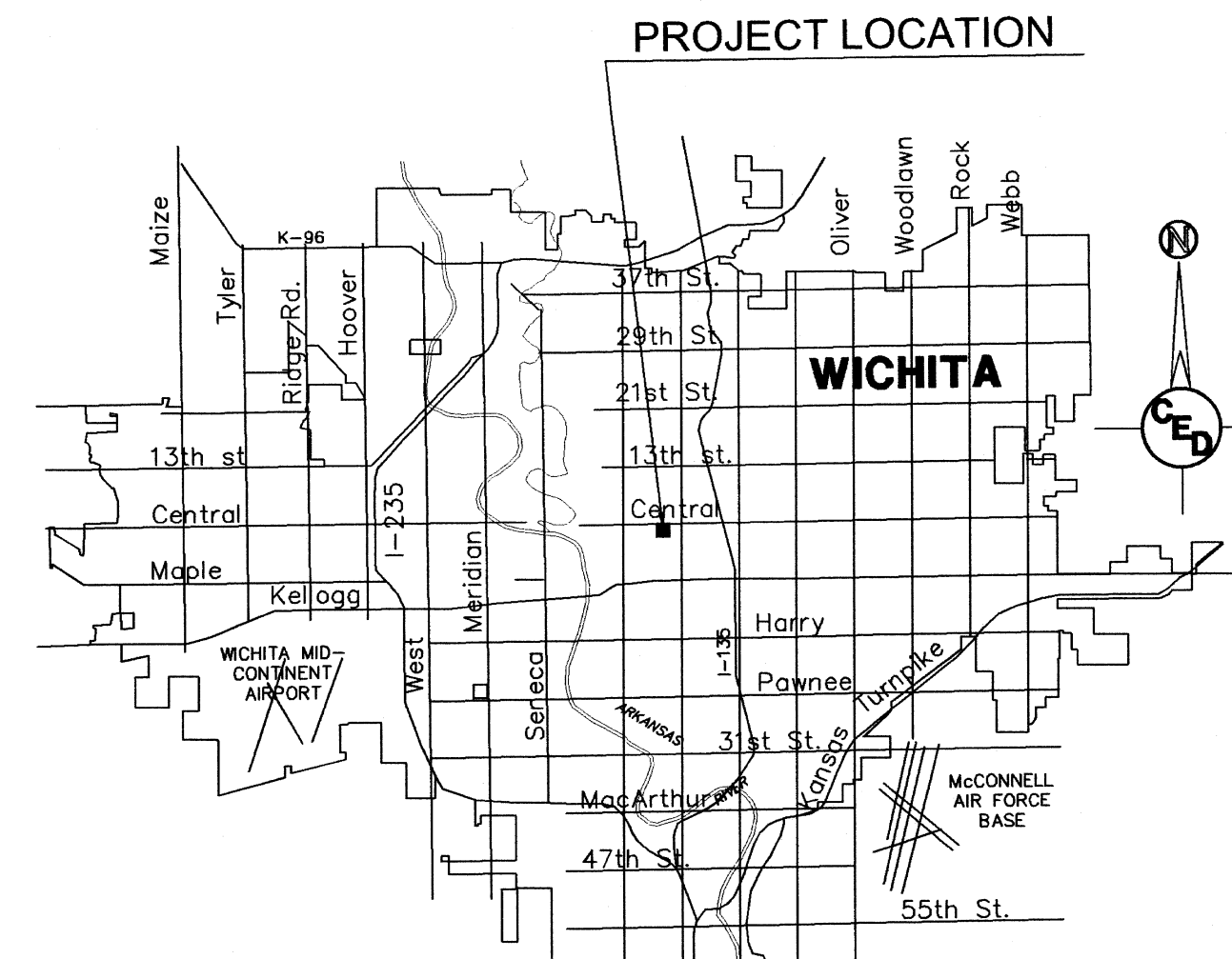
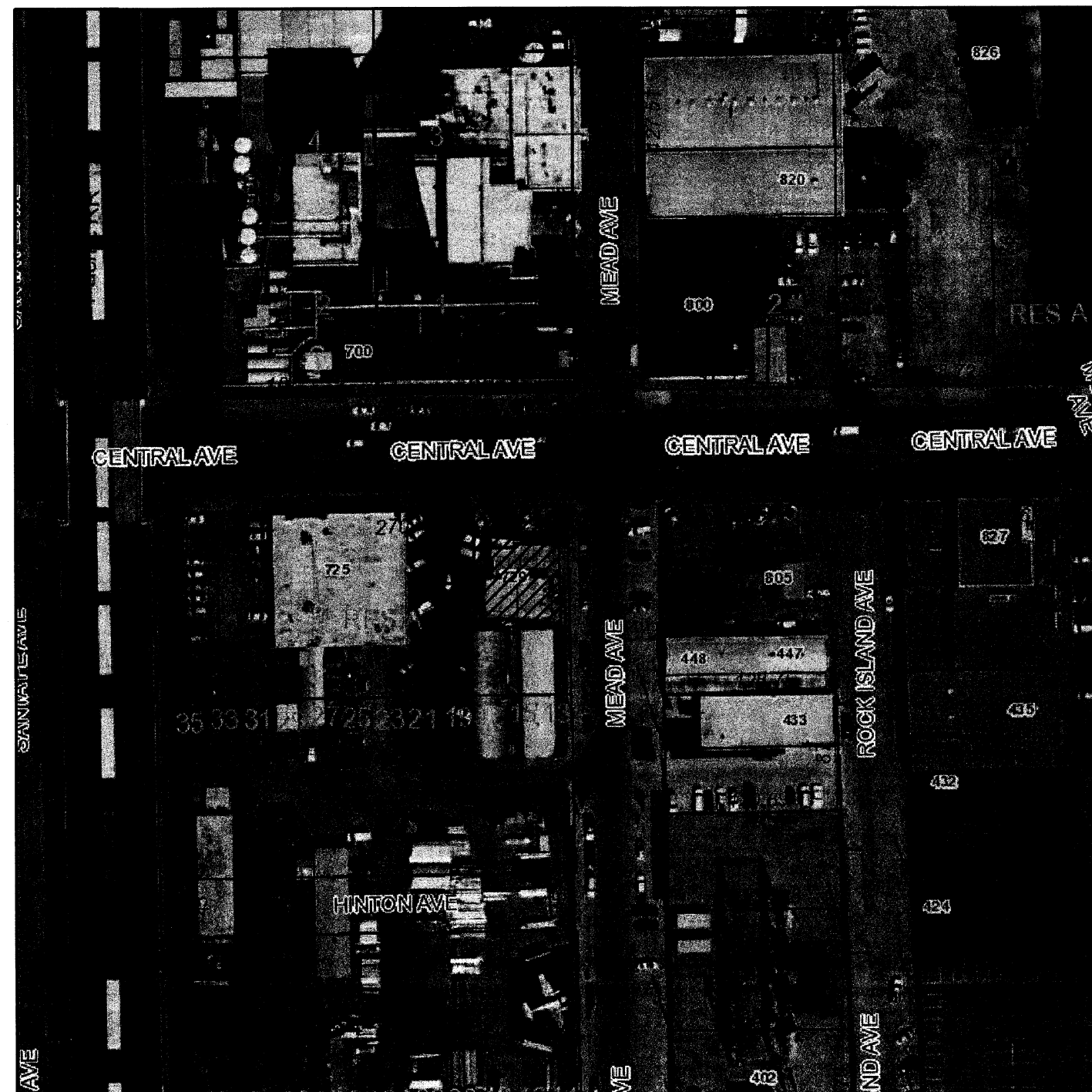
### 725 E Central Ave

### Wichita, Kansas

## 0400 PPD (O.C.A. NO. 607861)

### Gary Janzen, P.E. City Engineer

## JUNE, 2016



PROJECT LOCATED IN THE NE 1/4,  
NW 1/4, SEC 21, T27S, R1E,  
WICHITA, SEDGWICK COUNTY, KANSAS

Sheet List Table	
Sheet Number	Sheet Title
1	TITLE SHEET
2	SITE PLAN
3	BASIC GRADING PLAN
4	SWS LINE NO 1
5	INLET DETAIL

Erosion Control details are not included in this plan set but can be found on the City of Wichita's website. See General Note No. 21.

Elevation = NGVD(29)

Bench Mark: "□" on S.E. corner of concrete pad of main building pad on south side of building.  
Elev. 1301.56 (NGVD 29)

Bench Mark: Cross cut in concrete 6.8' S and 0.8' W of the S.E. corner of Lot 12, Hinton's Subdivision of a Part of East Wichita, Kansas.  
Elev. 1298.96 (NGVD 29)



KS: 1-800-344-7233  
WICHITA: 316-687-2470

**Stormwater Certification:**  
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 = 0.15 acres  
Water Quality Treatment: N/A  
Downstream Channel Protection: N/A  
Detention: N/A  
BMP: N/A

APPROVED AS NOTED  
BY WICHITA PUBLIC WORKS ENGINEERING  
AND STORMWATER DIVISION

Engineering: *[Signature]* 6/16/2016  
Stormwater: *[Signature]* 6/16/2016

**NOTE TO CONTRACTORS**

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 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.

REV.	DESCRIPTION	DATE

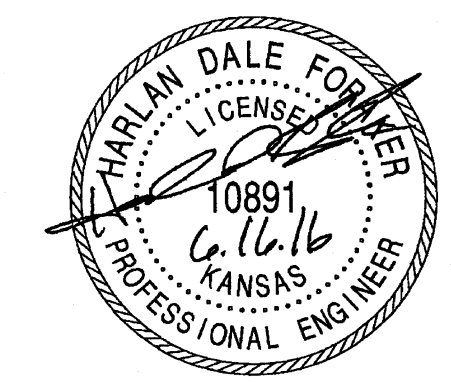
AS BUILT PLANS:  
CONTRACTOR: G-Mac Construction  
INSPECTOR: After the fact, reviewed by HDF  
PDF BY: HDF 6-29-2017

Yard Store  
725 E Central  
Wichita, KS  
Sedgwick County

CERTIFIED ENGINEERING DESIGN, P.A.  
CIVIL ENGINEERING

**CEED**

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



PROJECT NO.: 20162322  
ISSUE DATE: 06/16/2016  
CONTACT: H. FORAKER / L. MILLS  
CHECKED BY:

**TITLE SHEET**


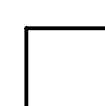

**1 OF 5**

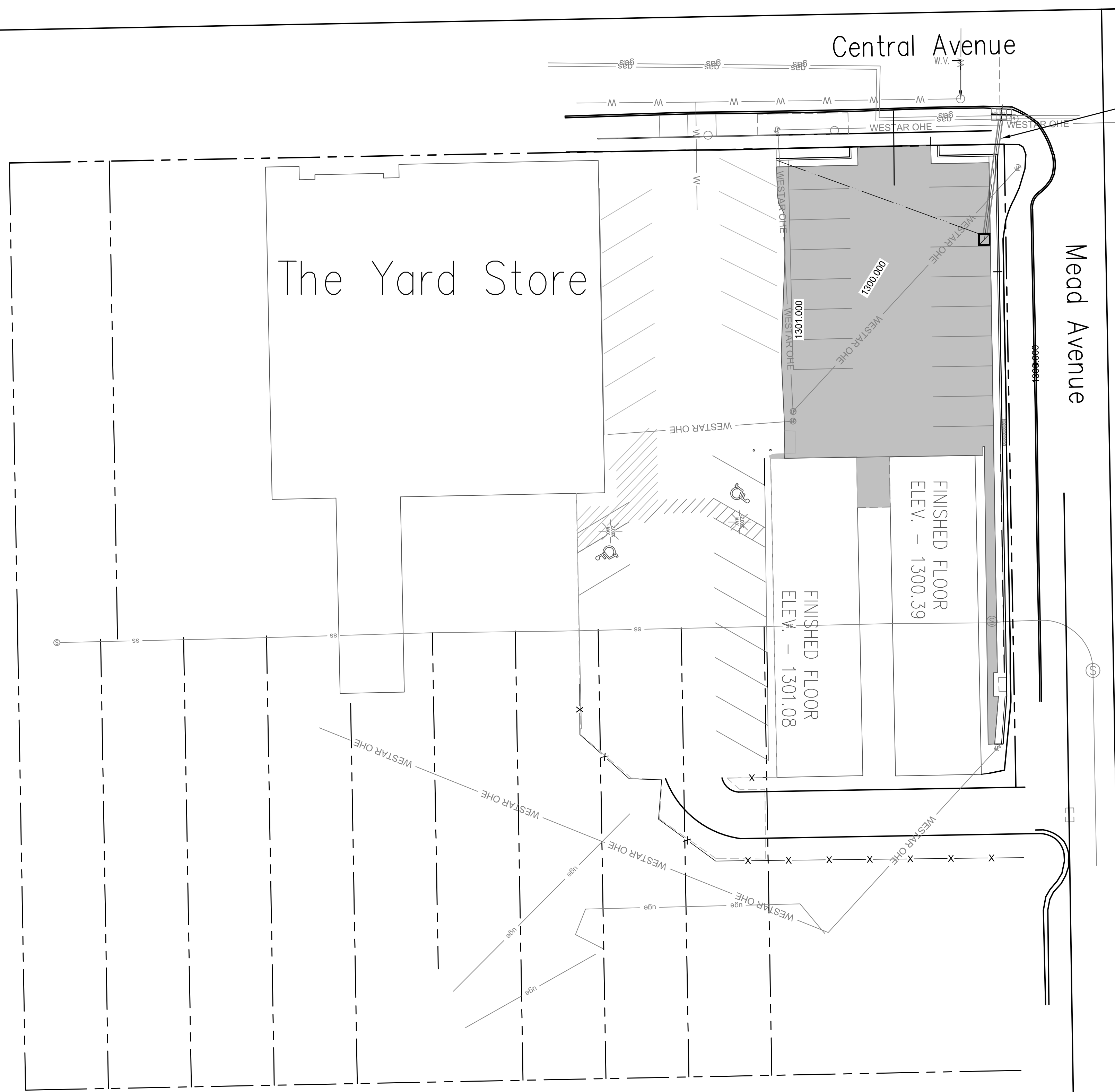
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AS BUILT PLANS:  
 CONTRACTOR: G-Mac Construction  
 INSPECTOR: After the fact, reviewed by HDF  
 PDF BY: HDF 6-29-2017

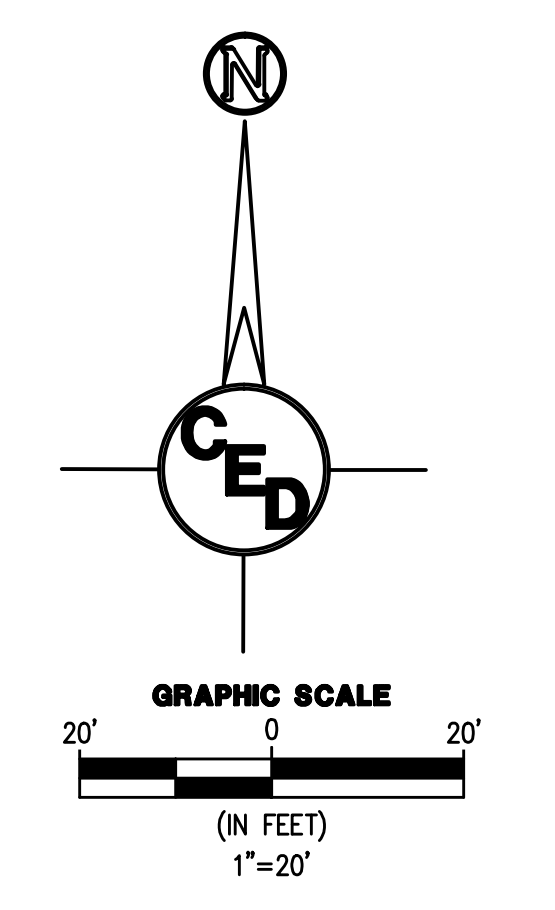
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STORM SEWER LEGEND

-  STORM PIPE (12" RCP)
-  PR AREA INLET
-  EX AREA INLET



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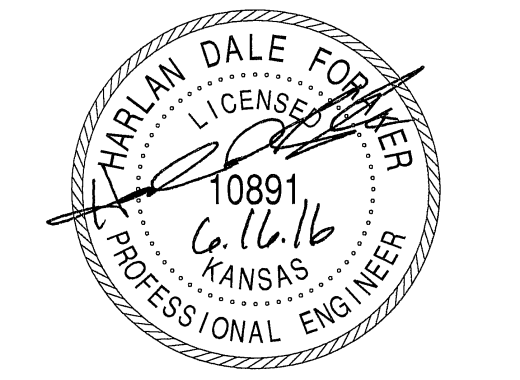


Yard Store  
 725 E Central  
 Wichita, KS  
 Sedgwick County

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**SITE PLAN**

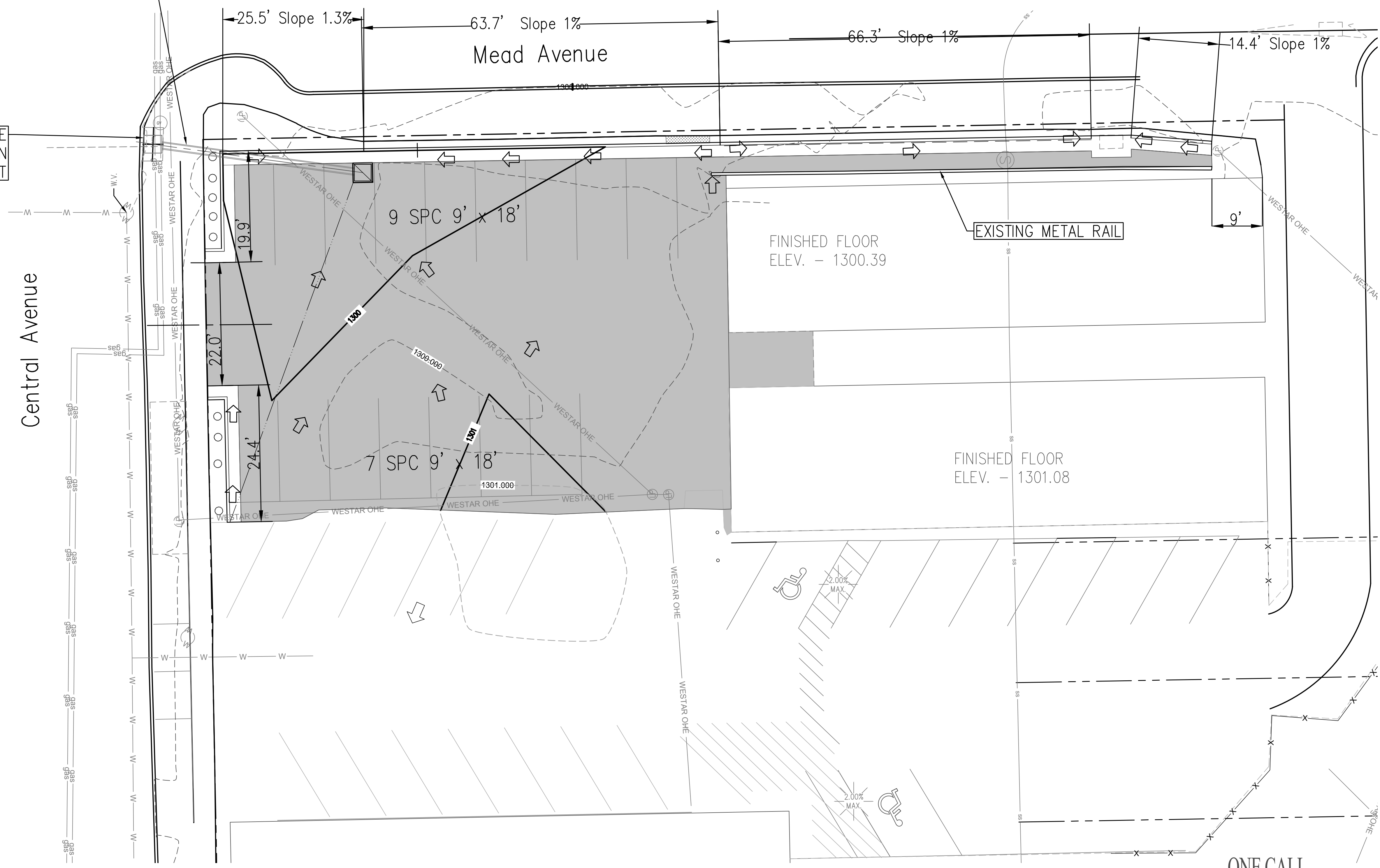
AS BUILT PLANS:  
 CONTRACTOR: G-Mac Construction  
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 PDF BY: HDF 6-29-2017

GRADING PLAN FOR PPD APPROVAL ONLY  
 SEE MABCD GRADING PLAN  
 FOR CONSTRUCTION RE: SHEET C1 GRADING PLAN

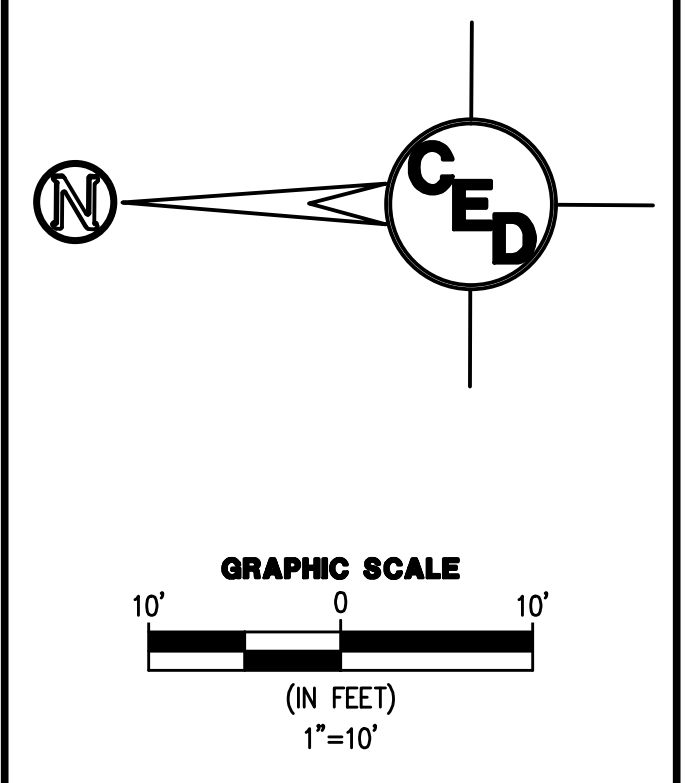
PR 12" RCP RE SHEET 4

ALL WORK IN THE ROW SHALL BE PERMITTED AND NOT INCLUDED IN THIS PLAN SET

- GRADING LEGEND**
- = EXISTING Fence
  - = Demo Existing Concrete
  - = EXISTING drainage flow direction
  - = PROPOSED DRAINAGE FLOW DIRECTION
  - = PROPOSED Flow Line
  - = PROPOSED Vegetation
  - = PROPOSED Contours
  - = EXISTING Contours
  - TC** = Top of Curb Elevation
  - G** = Gutter Elevation
  - TA** = PROPOSED Top of Asphalt Elevation
  - FG** = Finish Grade
  - EX** = Existing
  - SW** = Side Walk
  - = RIGHT OF WAY

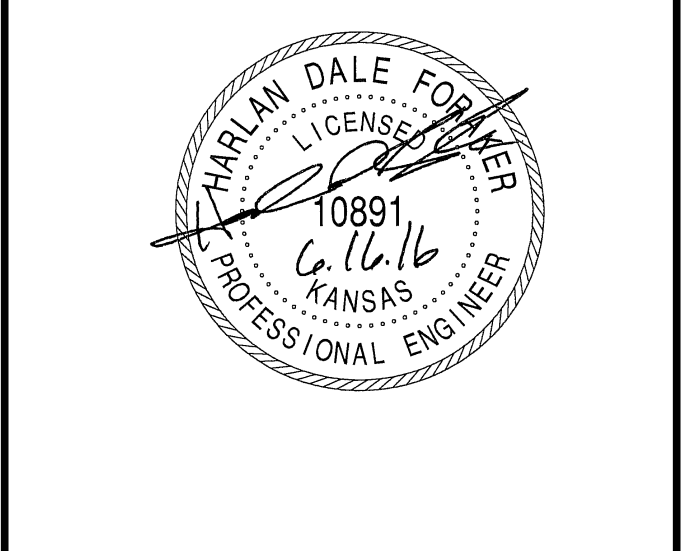


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**BASIC GRADING PLAN**

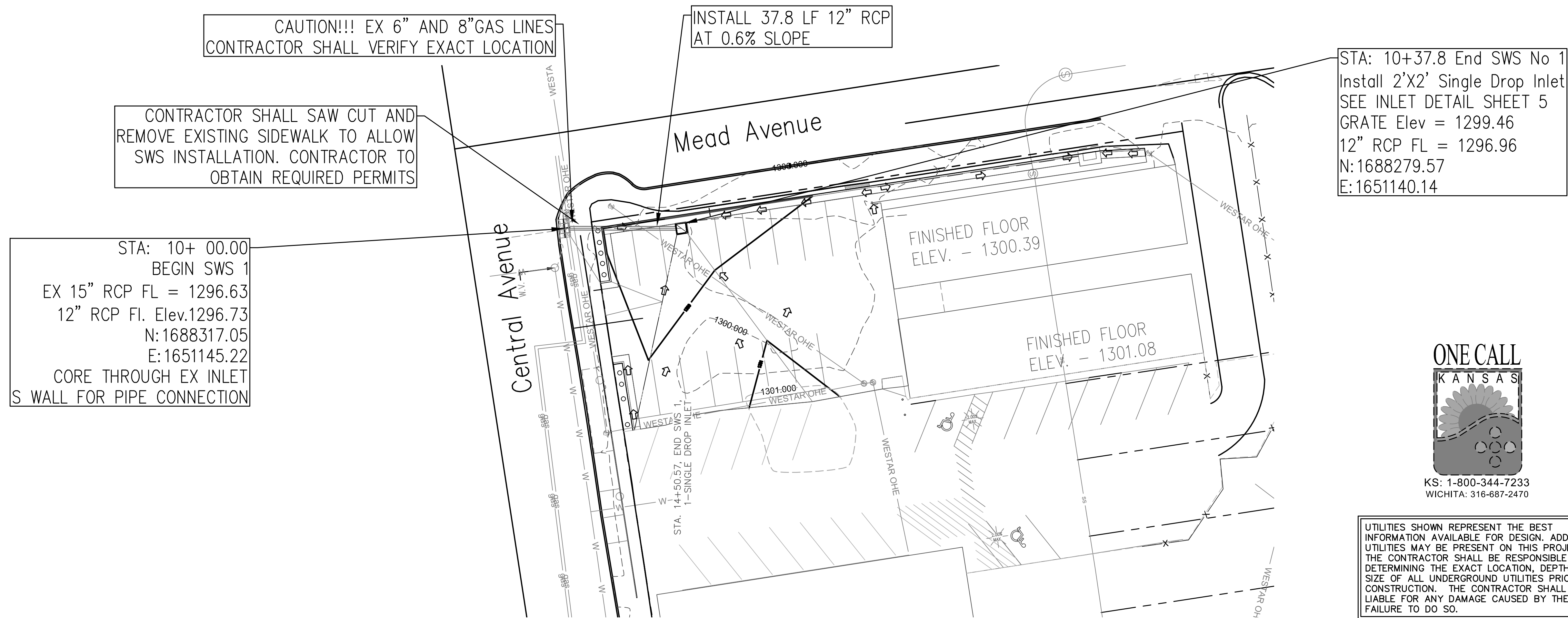
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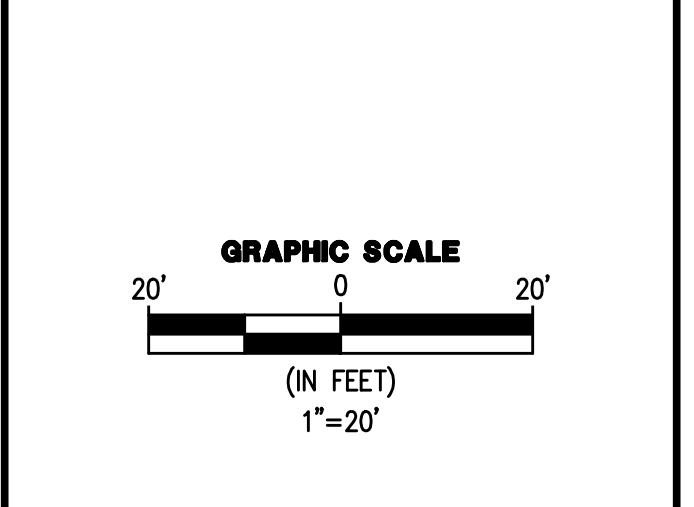
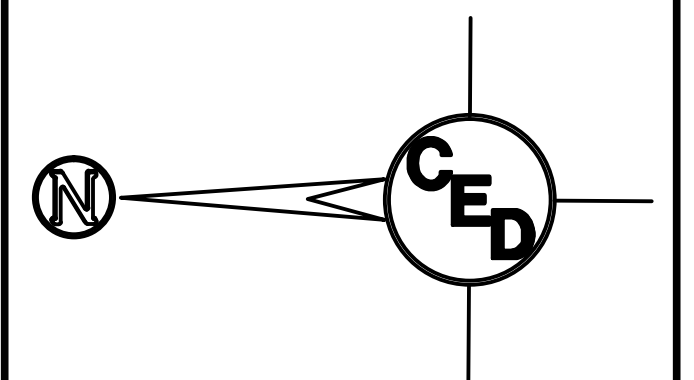
UTILITIES SHOWN REPRESENT THE BEST INFORMATION AVAILABLE FOR DESIGN. ADDITIONAL UTILITIES MAY BE PRESENT ON THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH AND SIZE OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE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



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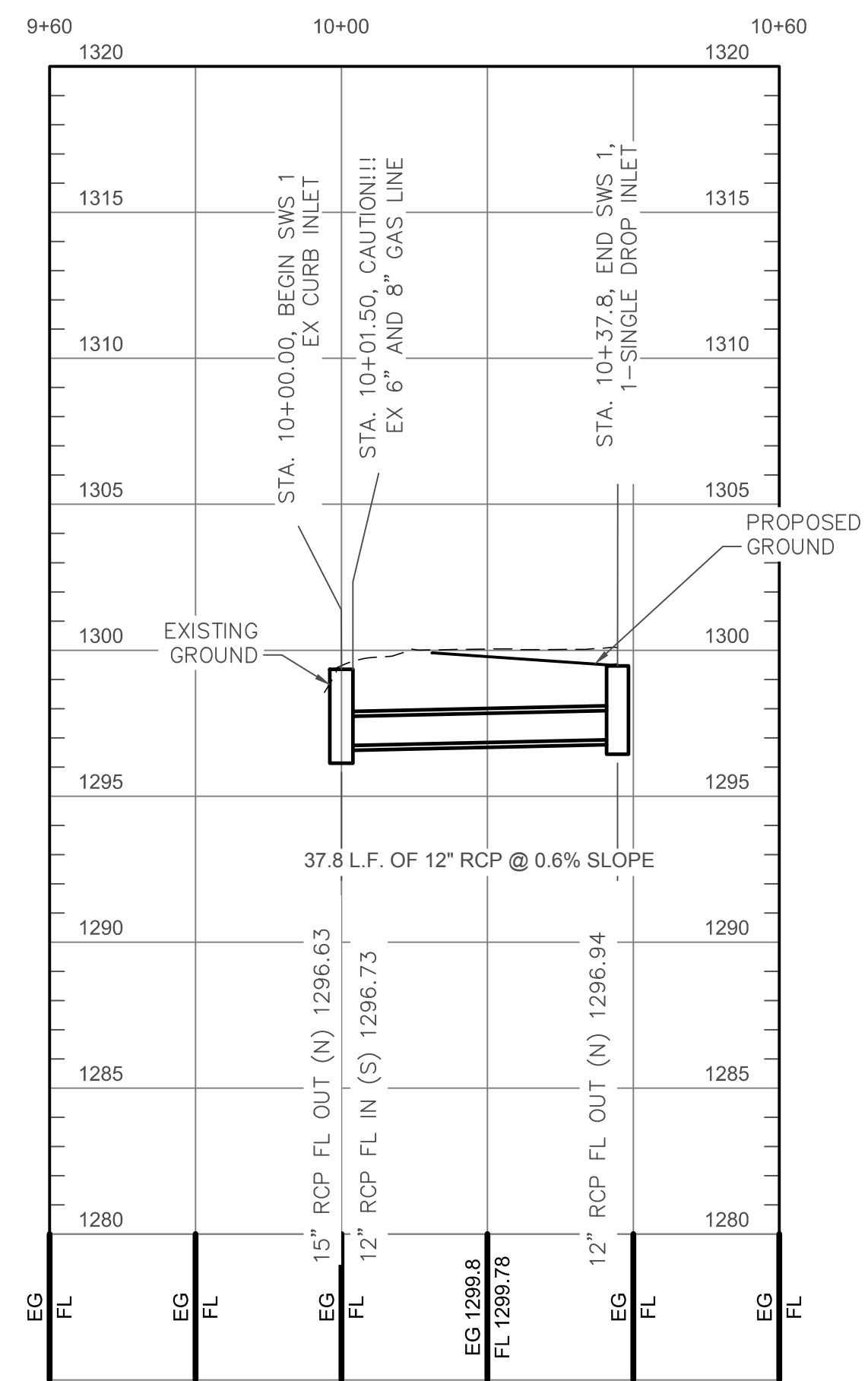


REV.	DESCRIPTION	DATE



Yard Store  
725 E Central  
Wichita, KS  
Sedgwick County

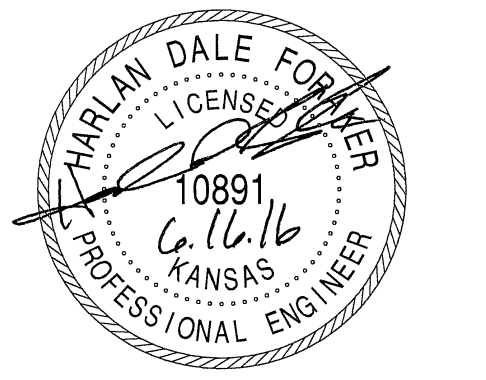
STORM SEWER LINE 1



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CIVIL ENGINEERING

**CEd**

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



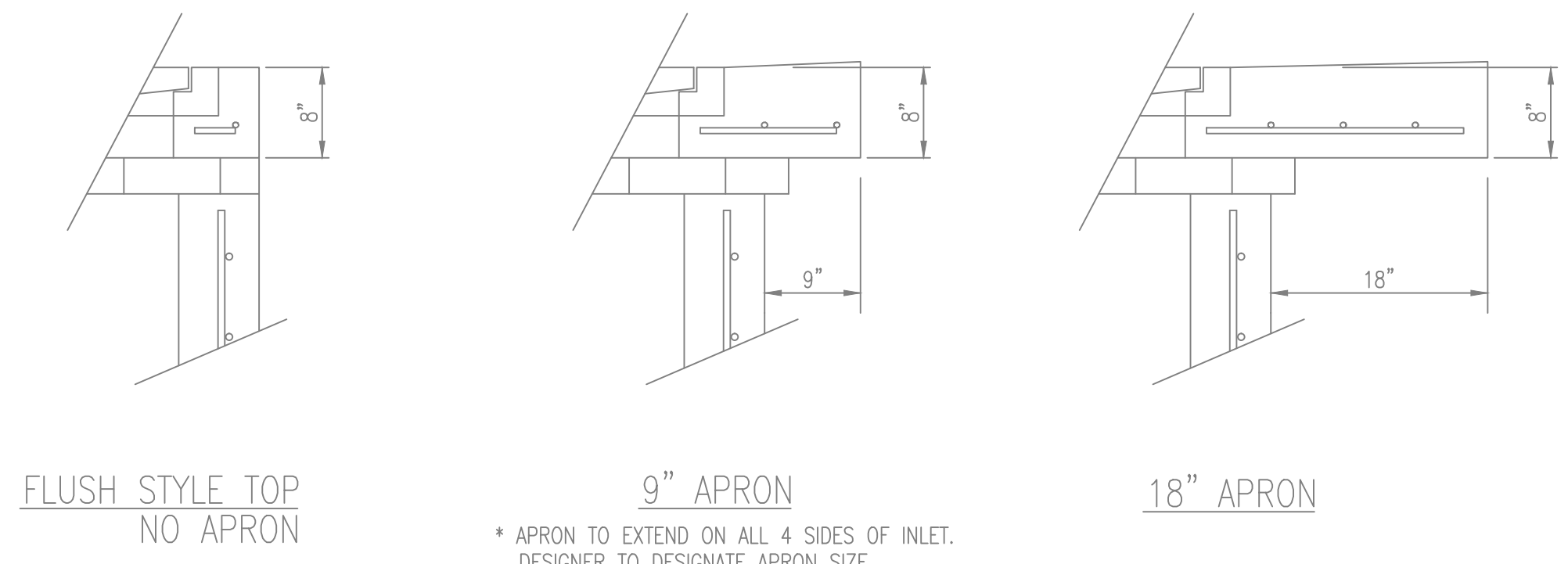
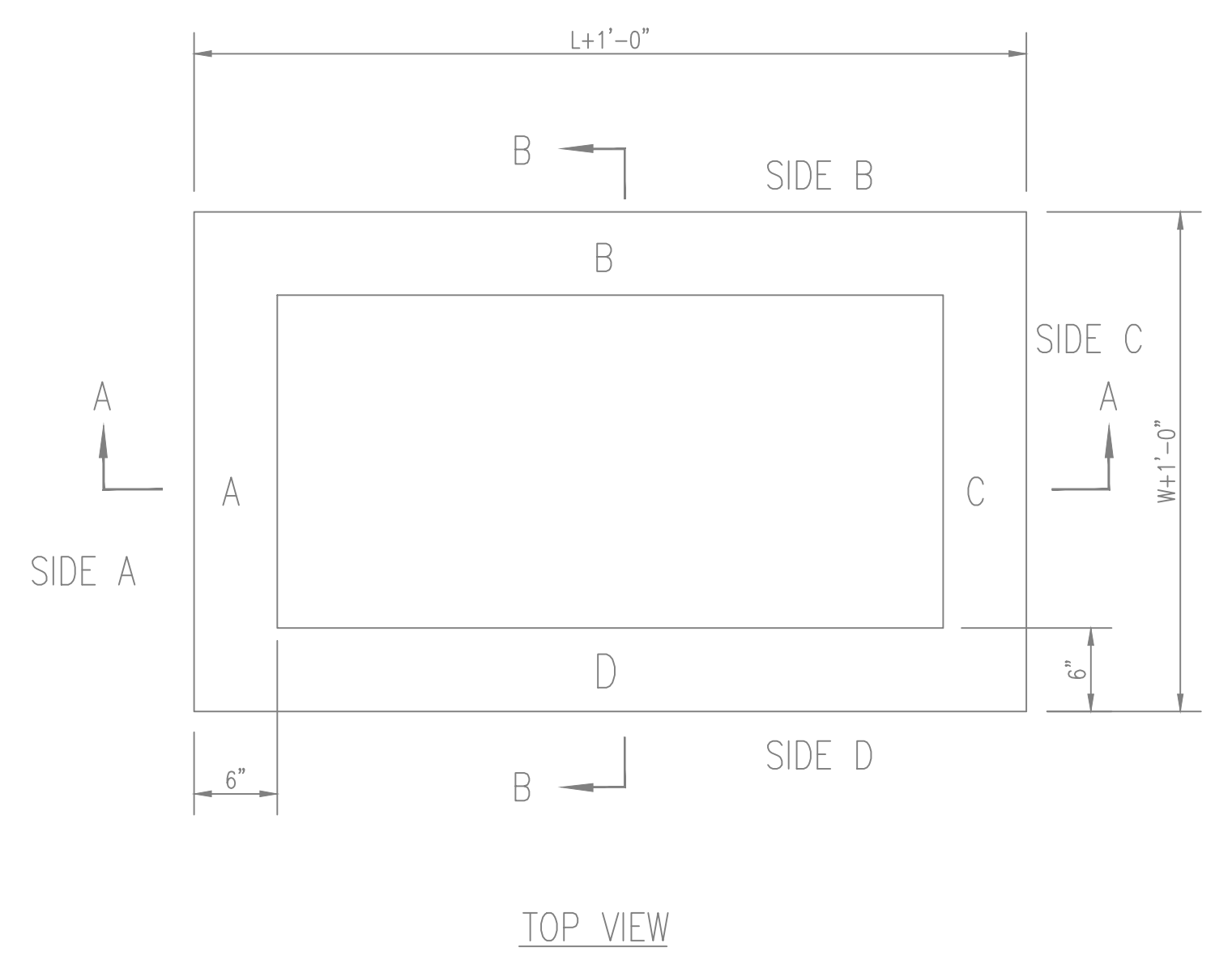
PROJECT NO.: 20162322  
ISSUE DATE: 06/16/2016  
CONTACT: H. FORAKER / L. MILLS  
CHECKED BY:

**SWS LINE NO 1**

AS BUILT PLANS:  
CONTRACTOR: G-Mac Construction  
INSPECTOR: After the fact, reviewed by HDF  
PDF BY: HDF 6-29-2017

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 PDF BY: HDF 6-29-2017

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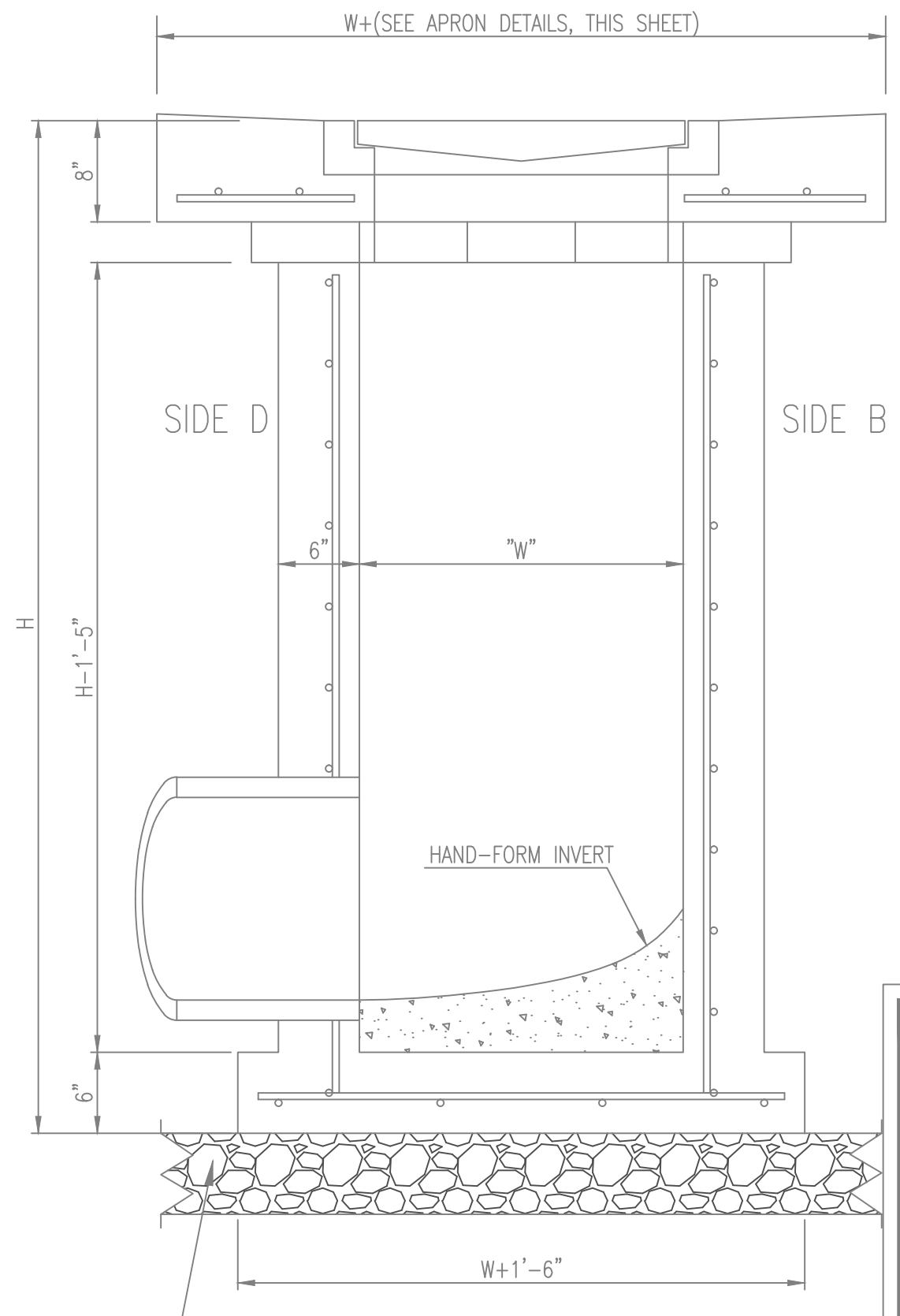
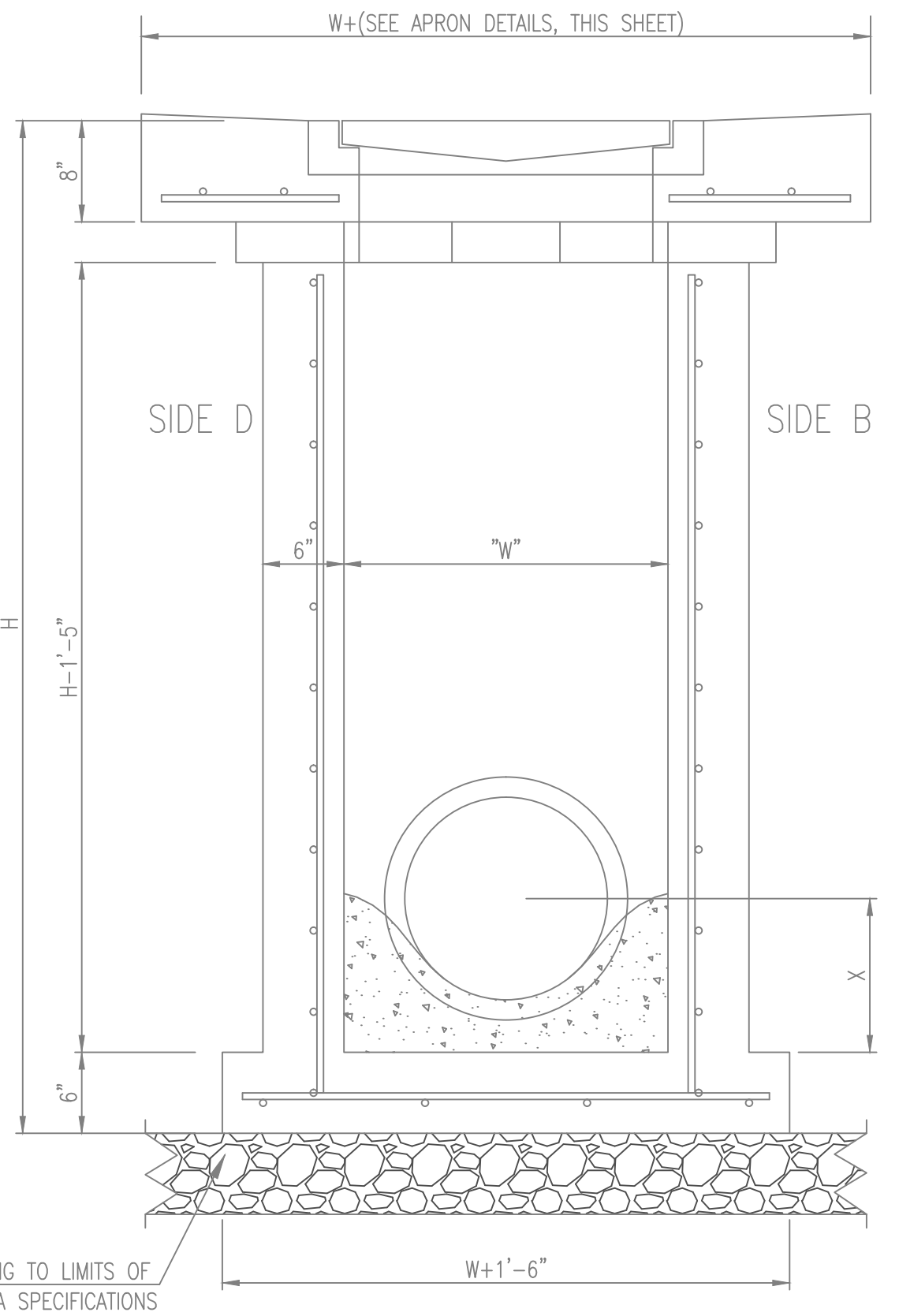
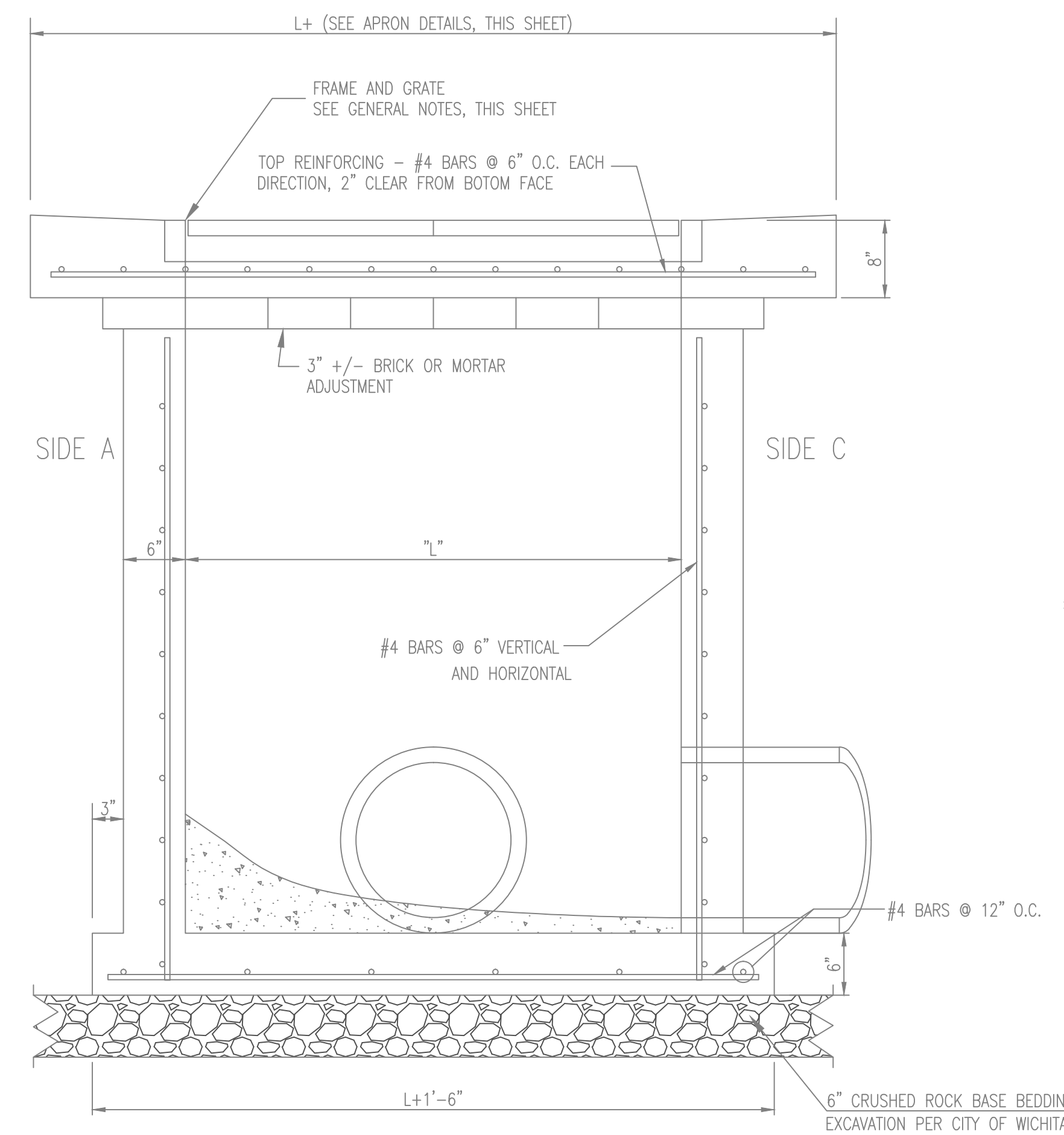
\* APRON TO EXTEND ON ALL 4 SIDES OF INLET.  
 DESIGNER TO DESIGNATE APRON SIZE.

W=2' and L=2' for SINGLE DROP INLET  
 W=2' and L=4' for DOUBLE DROP INLET

The structure(s) on this detail sheet are designed for HS-20 loading at these specific dimensions only. If larger dimensions are required, the ENGINEER shall provide a project specific structure design for approval by the City Engineer's office.

GENERAL NOTES

- GRATE FRAME TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK. CONCRETE USED FOR INLET CONSTRUCTION SHALL CONFORM TO CITY OF WICHITA SPECIFICATIONS FOR CONCRETE PAVEMENT MIX.
- INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.
- THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.
- INLET FRAME AND GRATE TO BE DEETER #2433, EJIW #5391-Z1 OR APPROVED EQUAL FOR 2'x2' SINGLE DROP INLET AND DEETER #2434, EJIW #5391 Z3 OR APPROVED EQUAL FOR 2'x4' DOUBLE DROP INLET.
- CONTRACTOR SHALL REMOVE LIFTING HOOKS AFTER INSTALLATION. RECESSES IN INLET WALL SHALL BE GROUTED FLUSH TO THE INLET WALL WITH HYDRAULIC CEMENT AFTER THE INLET IS IN PLACE. LIFTING HOLES THRU THE INLET WALL WILL NOT BE ACCEPTED.



REVISED: MARCH 2015

SINGLE/DOUBLE  
DROP INLET

CITY ENGINEER  
GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE

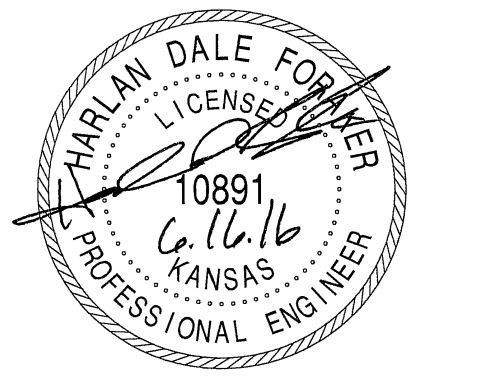
CITY ENGINEER'S OFFICE  
 CITY HALL - SEVENTH FLOOR  
 455 NORTH MAIN STREET  
 WICHITA, KANSAS 67202-1620  
 (316) 268-4501

SHEET

CERTIFIED ENGINEERING DESIGN, P.A.  
 CIVIL ENGINEERING

**CED**

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



PROJECT NO.: 20162322  
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 CONTACT: H. FORAKER / L. MILLS  
 CHECKED BY:

**INLET DETAIL**

**5 OF 5**

FILE LOCATION: S:\Drawing Files\Land Projects\HDF\1-14-00\YardStore\DWG\Grading\Plan1\_HDF.dwg TAB NAME: INLET DETAIL USER: jalderson SAVED: 6/21/2016 10:29 AM PLOTTED: 6/21/2016 10:29 AM