

PRIVATE STORM WATER SEWER PLAN FOR  
**PARKING LOT 5**  
WICHITA STATE UNIVERSITY

PRIVATE STORM WATER SEWER  
TO SERVE

**PARKING LOT 5**

PROJECT NO. 0159PPD

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

OCA NO. 607861

**GENERAL NOTES**

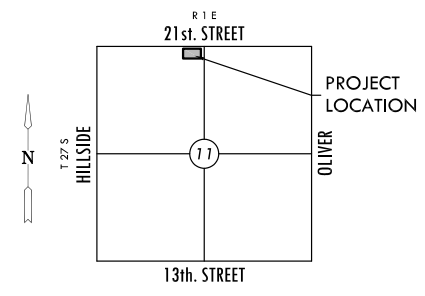
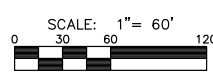
- UNLESS SHOWN OR OTHERWISE STATED ON THESE DRAWINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD SPECIFICATIONS.
- THE TOPS OF INLETS AND MANHOLES AS NOTED ON THE PLANS MAY VARY SO AS TO MEET PROPOSED TOP OF CURB ELEVATIONS OR PAVEMENT ELEVATIONS. THE FIELD ENGINEER SHALL LOCATE INLETS AND MANHOLES WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS.
- ALL CONCRETE SHALL BE STANDARD PAVING MIX UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
- TREES TO BE REMOVED ARE MARKED  $\otimes$ . ALL TREES WHICH IN THE OPINION OF THE FIELD ENGINEER CAN BE SAVED, SHALL BE SAVED.
- CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF CONSTRUCTION SCHEDULING.
- EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS COMPANIES AND IS EITHER FROM COMPANY UTILITY DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF SEVENTY-TWO (72) HOURS TO UTILITY COMPANIES TO STARTING ANY EXCAVATION AS FOLLOWS:  
  

KANSAS ONE-CALL	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
CITY OF WICHITA WATER & SEWER	262-6000
- 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 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.
- CONTRACTOR TO COORDINATE WORK WITH OTHER UTILITY AND/OR PAVING CONTRACTORS ON SITE.
- CONTRACTOR SHALL RESEED AND MULCH ALL DISTURBED AREAS. COST SHALL BE CONSIDERED SUBSIDIARY TO SITE RESTORATION. SEE SHEET
- CONTRACTOR TO REFER TO SWPP FILED ON SITE FOR EROSION/SEDIMENT CONTROL.
- 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.

DISTURBED AREA=2.5 AC  
PROPOSED PERVIOUS=0.00 sf  
PROPOSED IMPERVIOUS=107158 sf  
WQ<sub>v</sub>=0.24 AC.-FT.  
CP<sub>v</sub> = NOT REQUIRED  
EX. DET.= 2.06 AC.-FT.  
PROP. DET.=2.36 AC.-FT.  
WQ ACHIEVED BY OFFSITE DET. POND  
POND 100-YR. ELEVATION~1382.1



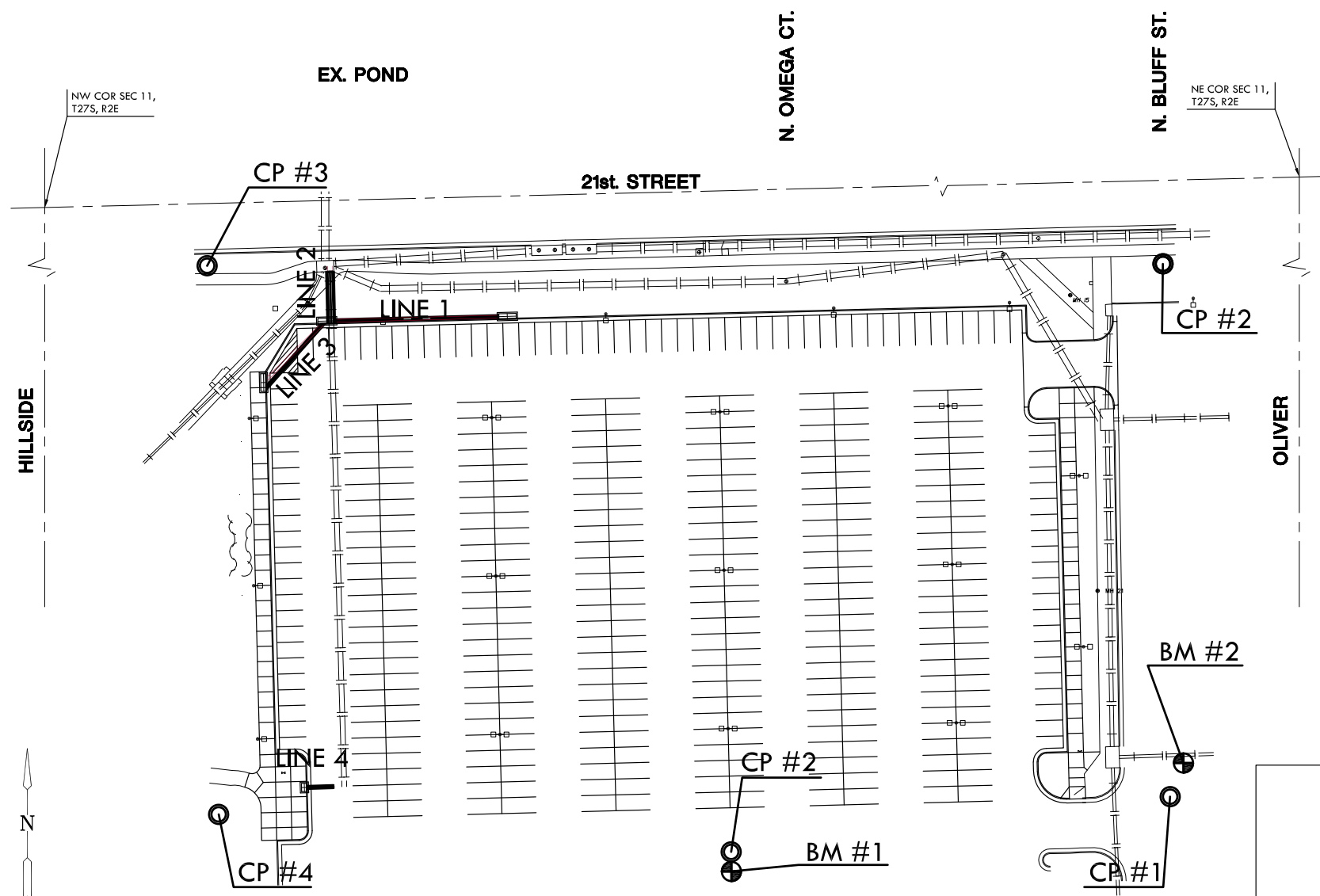
**VICINITY MAP**  
No Scale

**INDEX TO DRAWINGS**

SHEET NO.	DESCRIPTION
9	TITLE SHEET
10	STORM WATER DETAILS
11	WEIR MODIFICATION DETAILS
12	SWS LINES 1 & 2
13	SWS LINE 3 & 4

**BENCHMARKS**

- BM #1 CHISELED SQUARE ON NORTH SIDE OF CONCRETE LIGHT POLE BASE, MIDDLE LIGHT POLE OF 3 ON SOUTH SIDE OF INTRAMURAL ATHLETIC FIELDS, 185' WEST AND 54' SOUTH OF FENCE CORNER AT SOUTHEAST CORNER OF FIELDS.  
ELEV. = 1393.81( NAVD 88)
- BM #2 CHISELED SQUARE ON WEST SIDE OF CONCRETE LIGHT POLE BASE, 49' EAST AND 4' SOUTH OF FENCE CORNER AT SOUTHEAST CORNER OF INTRAMURAL ATHLETIC FIELDS.  
ELEV. = 1395.10 (NAVD 88)



**CONTROL POINTS**

- PT #1
- PK NAIL
  - N = 1699067.81 E = 1662523.86
  - 45' EAST AND 22' SOUTH OF FENCE CORNER AT SOUTHEAST CORNER OF INTRAMURAL ATHLETIC FIELDS
- PT #2
- 5/8" REBAR WITH RED "MKEC CONTROL POINT" CAP
  - N = 1699348.03 E = 1662520.08
  - NORTHEAST OF NORTHEAST CORNER OF INTRAMURAL ATHLETIC FIELDS
  - 4' SOUTH OF SOUTH EDGE OF SIDEWALK, 27' EAST OF EAST EDGE OF SIDEWALK
- PT #3
- 5/8" REBAR WITH RED "MKEC CONTROL POINT" CAP
  - N = 1699347.02 E = 1662017.46
  - NORTHWEST OF NORTHWEST CORNER OF INTRAMURAL ATHLETIC FIELDS
  - 4' NORTH OF NORTH EDGE OF SIDEWALK, 57' WEST OF WEST EDGE OF 6' X 9' STORM WATER STRUCTURE
- PT #4
- 5/8" REBAR WITH RED "MKEC CONTROL POINT" CAP
  - N = 1699058.50 E = 1662023.53
  - 32' WEST AND 19' SOUTH OF FENCE CORNER SOUTHWEST CORNER OF INTRAMURAL ATHLETIC FIELDS
- PT #5
- PK NAIL
  - N = 1699038.78 E = 1662293.02
  - 185' WEST AND 45' SOUTH OF FENCE CORNER AT SOUTHEAST CORNER OF INTRAMURAL ATHLETIC FIELDS

**APPROVED AS NOTED  
BY CITY ENGINEER OF WICHITA,  
BY STORMWATER DEPARTMENT**

Engineering: *[Signature]* 3-15-13  
Storm Water (Public Works): *[Signature]* 3-20-13

**NOTE TO CONTRACTORS**

**Public Property:**  
Inspection and testing for the storm water sewer 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).

POND TABLE		
ELEVATION	STORAGE (AC/FT)	DISCHARGE (CFS)
1378.5	0.00	0.0
1379.0	0.294	0.164
1380	0.911	22.75
1380.5	1.234	25.37
1381	1.567	55.65
1381.5	1.913	108.27
1382	2.272	333.02
1382.5	2.645	491.17

**AS-BUILT PLANS - AUGUST 2014**

INSPECTED BY: GENE RATH, MKEC ENGINEERING, INC  
CONSTRUCTED BY: DONDLINGER CONSTRUCTION  
SUPERINTENDENT: BILL BUDD

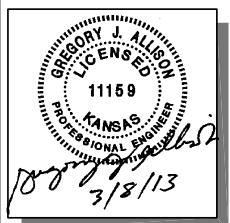
J:\PROJECTS\2012\1201010799\_WSU-PARKING LOT 5-WICHITA STATE UNIVERSITY\5-CIVIL\CAD\SWS\12799\_SWS TITLE.DWG

**SWS TITLE SHEET**  
SHEET TITLE: 0159PPD  
PROJECT NUMBER

SPE / SPE / GJA  
DESIGNED / DRAWN / CHECKED

ISSUED: March 2013

REVISED:



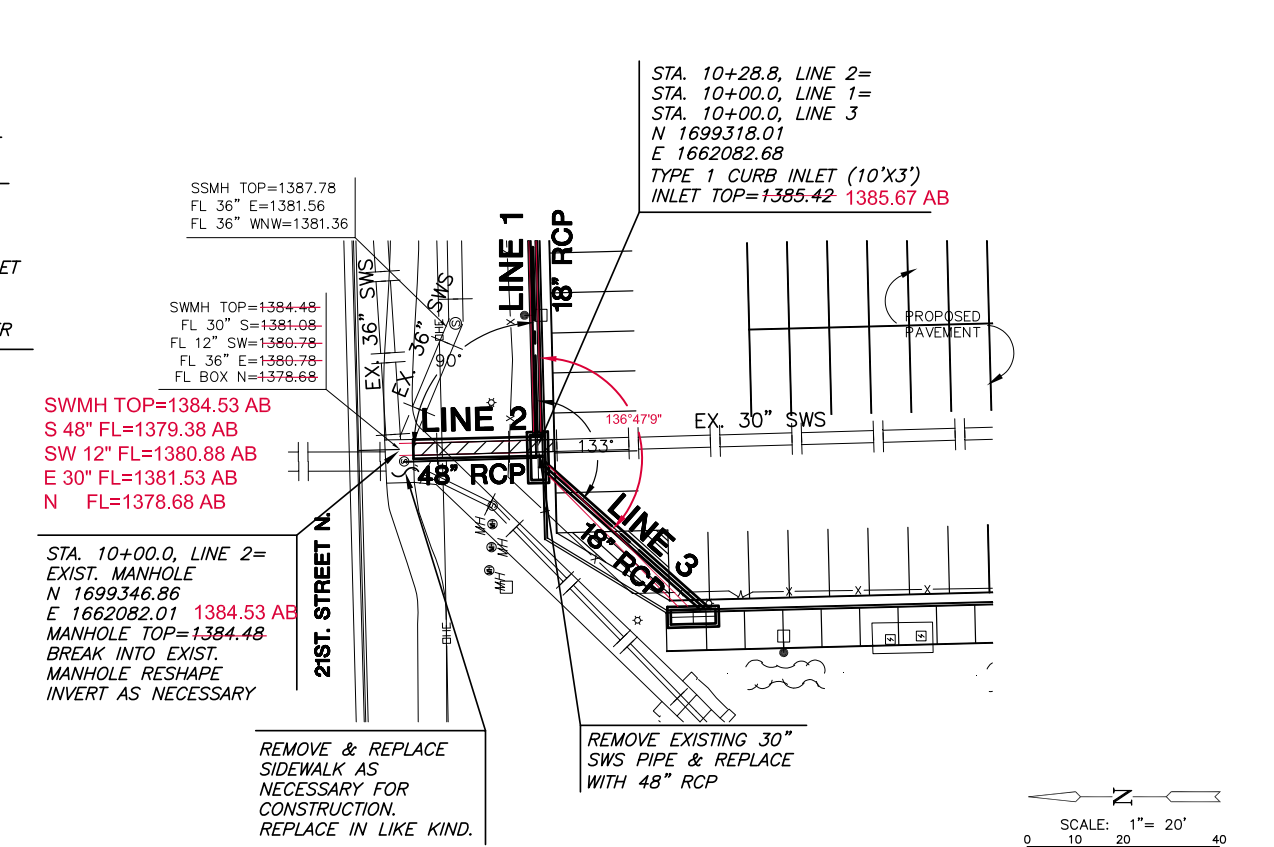
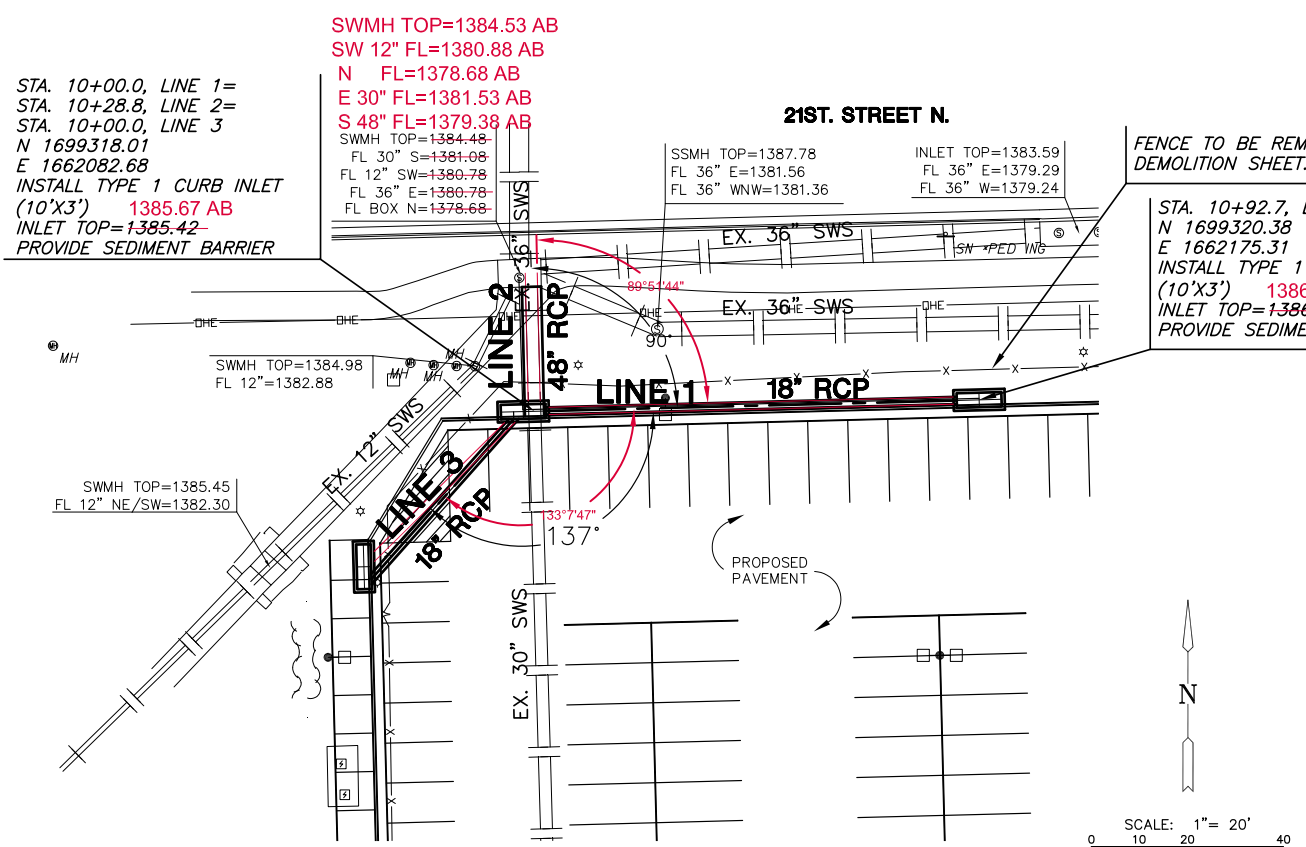
PRIVATE STORM WATER SEWER PLAN FOR  
**PARKING LOT 5**  
WICHITA STATE UNIVERSITY

**SWS PLAN & PROFILE**  
SHEET TITLE  
0159PPD  
PROJECT NUMBER

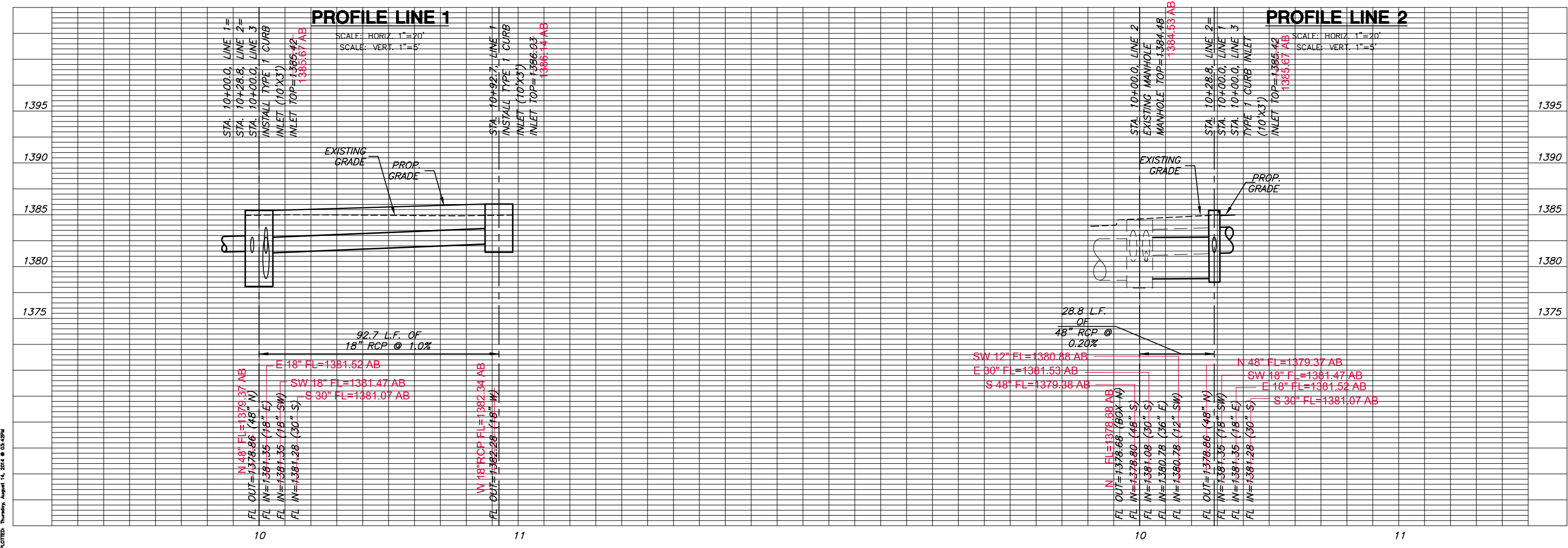
SPE / SPE / GJA  
DESIGNED / DRAWN / CHECKED

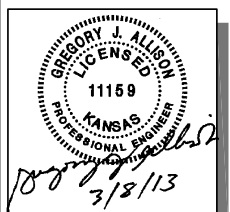
ISSUED  
March 2013  
REVISED

SHEET NO.  
**12 of 17**



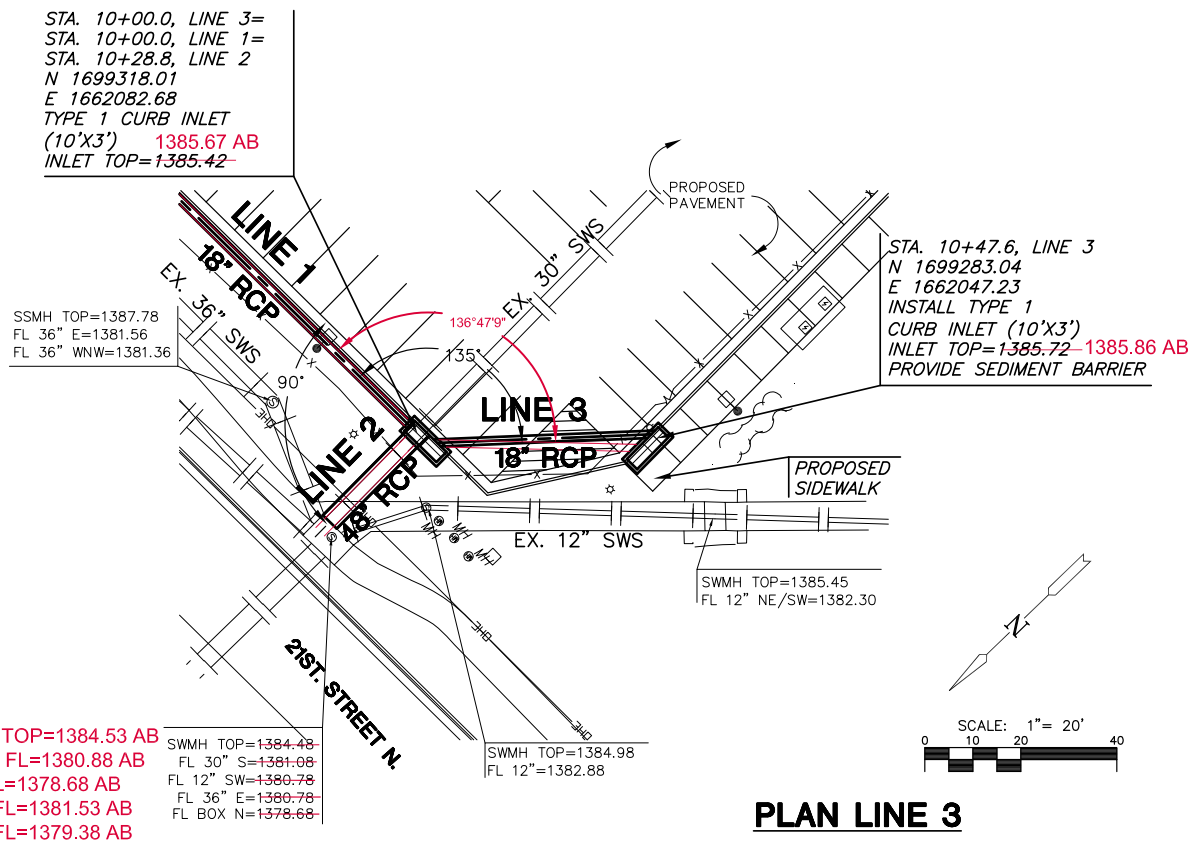
AS-BUILT PLANS - AUGUST 2014





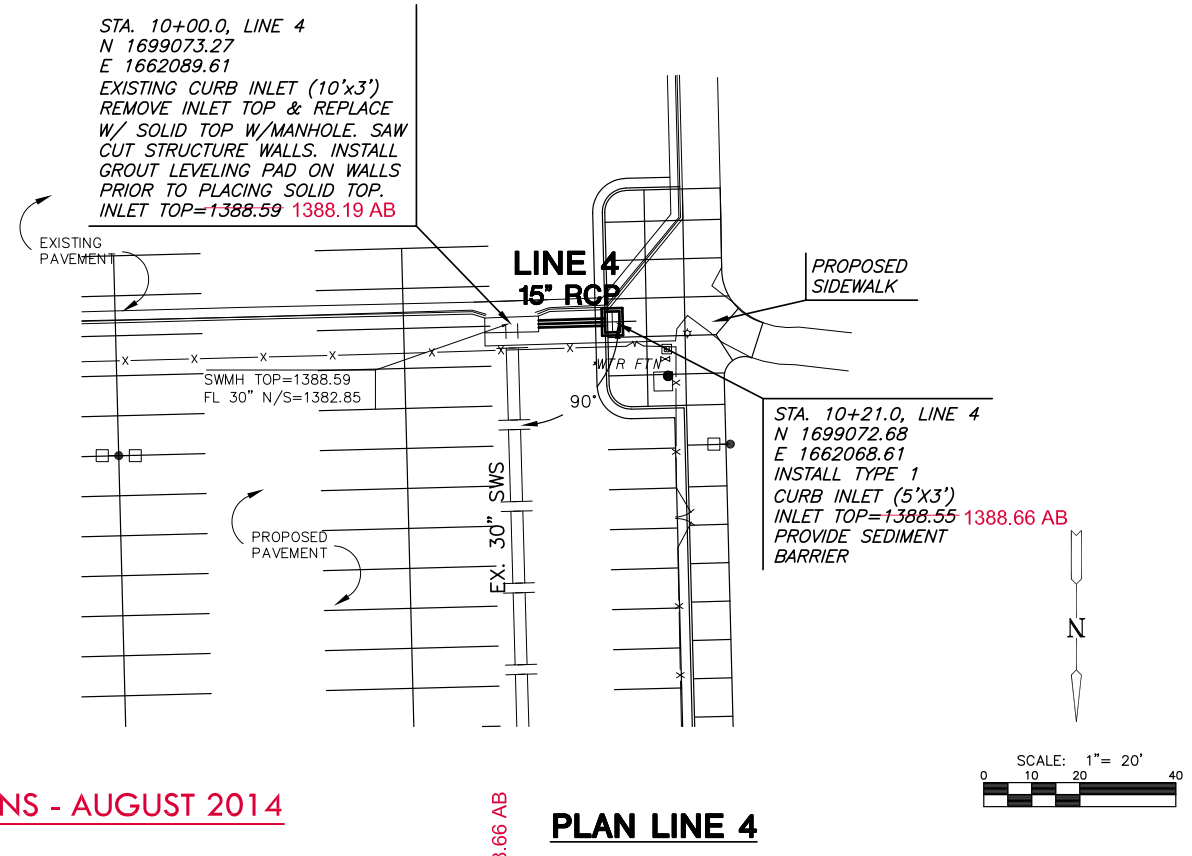
**PRIVATE STORM WATER SEWER PLAN FOR  
PARKING LOT 5  
WICHITA STATE UNIVERSITY**

<b>SWS PLAN &amp; PROFILE</b>	
SHEET TITLE	0159PPD
PROJECT NUMBER	
SPE / SPE / GJA	DESIGNED / DRAWN / CHECKED
ISSUED	March 2013
REVISED	
SHEET NO.	13 of 17

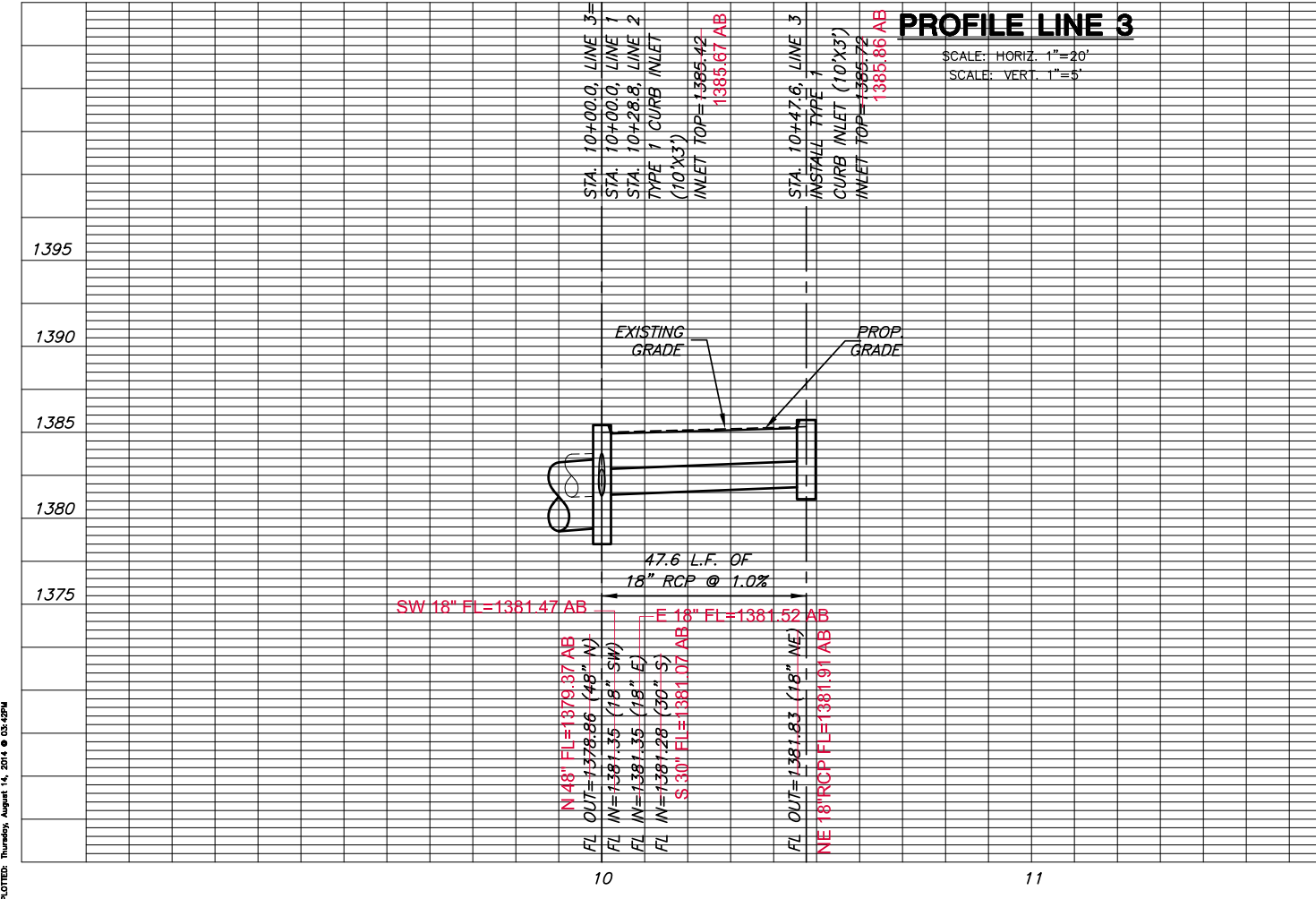


**PLAN LINE 3**

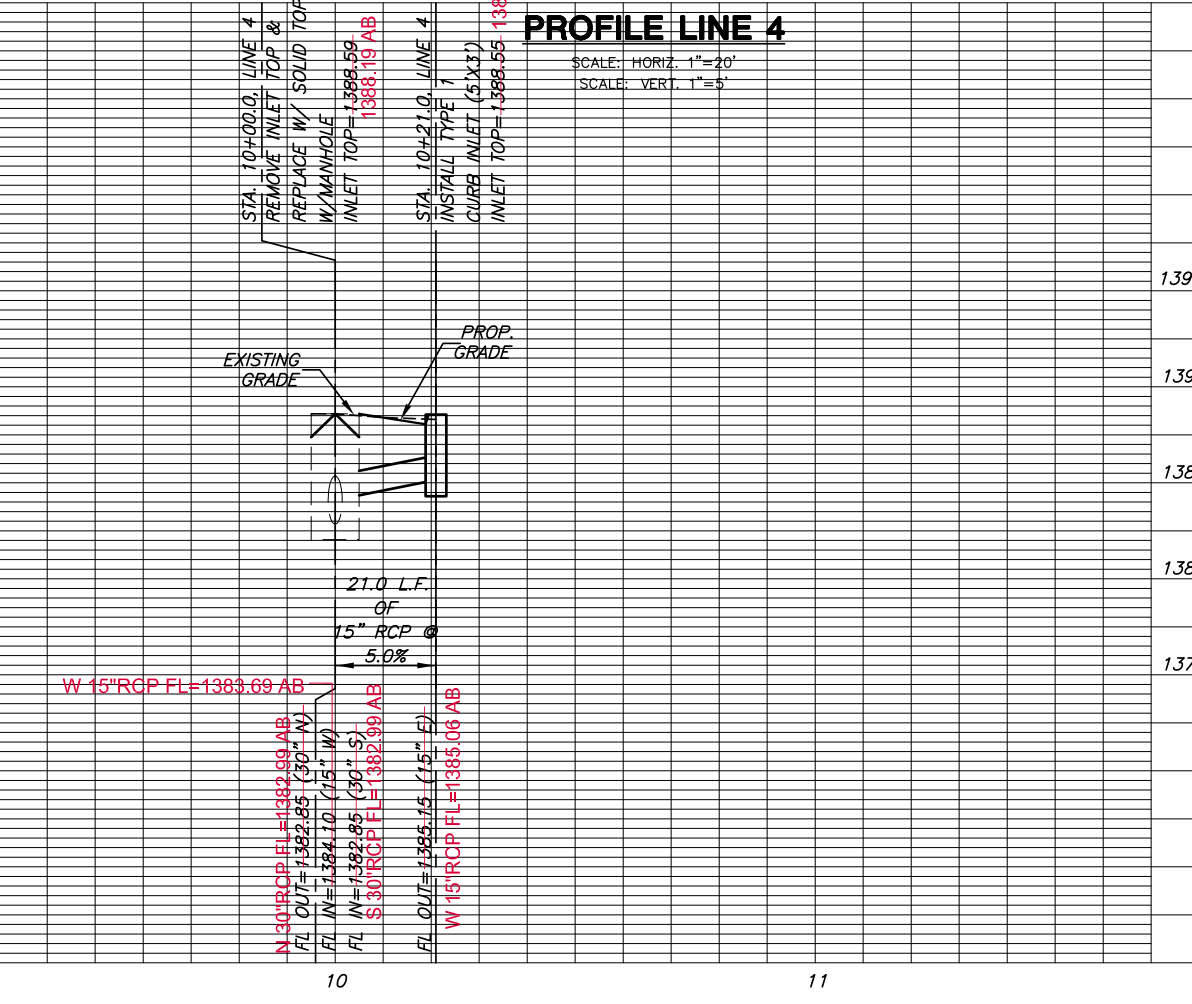
AS-BUILT PLANS - AUGUST 2014



**PLAN LINE 4**



**PROFILE LINE 3**



**PROFILE LINE 4**