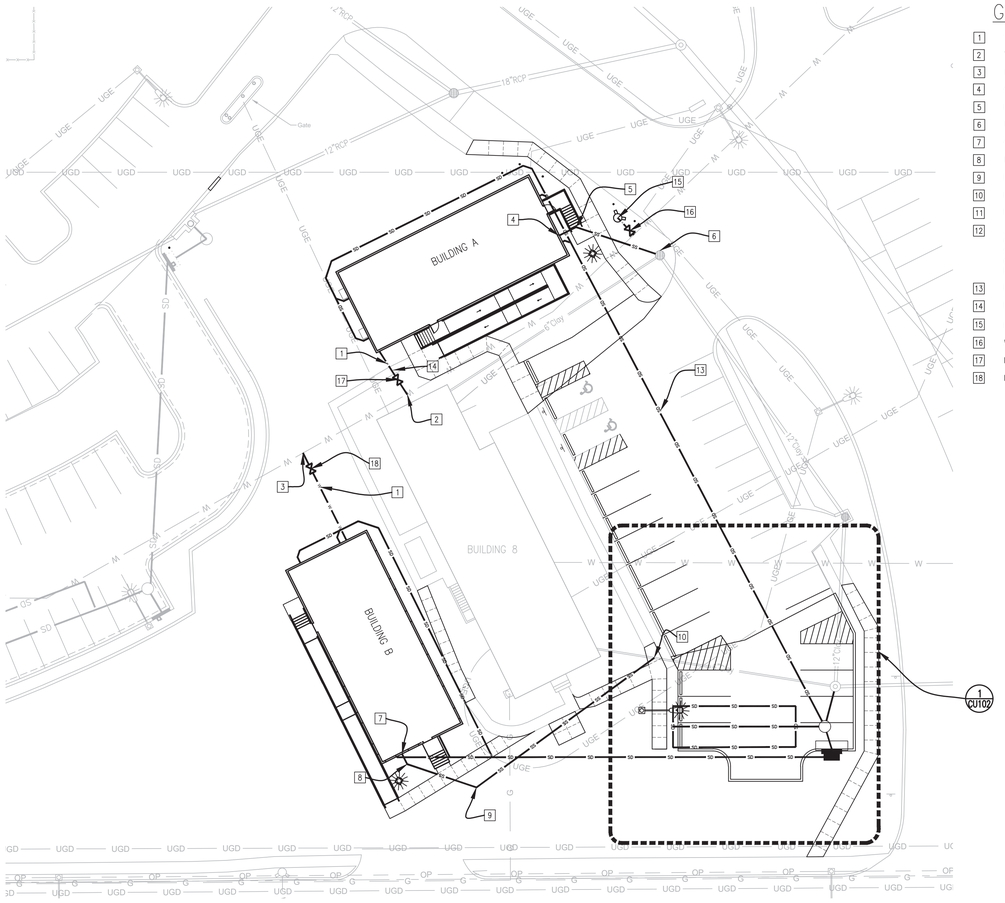
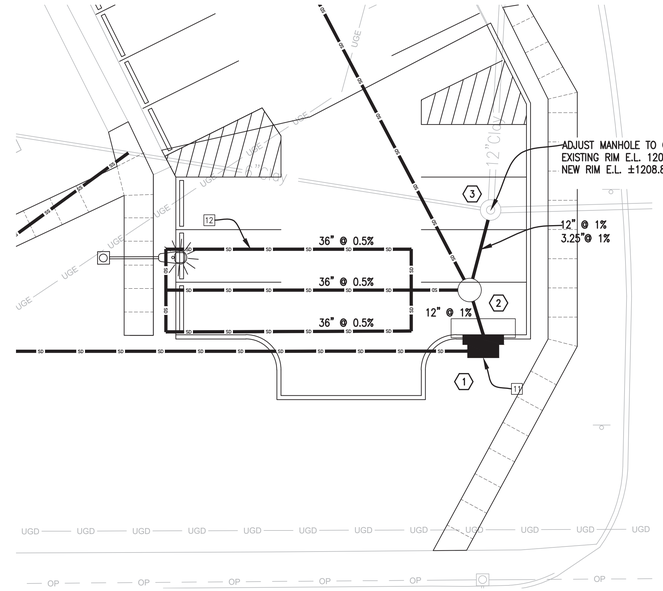


SITE UTILITY PLAN– SE AREA

SCALE: 1" = 20'-0"

GRADING KEYED NOTES:

1. 1" WATER TYPE "L" COPPER PIPING
2. TAP EXISTING 8" WATER LINE, NORTHING: 10247.85 EASTING: 21049.89
3. TAP EXISTING 8" WATER LINE, NORTHING: 10227.81 EASTING: 21014.25
4. 4" SANITARY SEWER SDR 35 PVC, IE: 1207.10
5. INSTALL 45 DEGREE BEND W/CLEANOUT, NORTHING: 10305.13 EASTING: 21107.73, SEE DETAIL 5 & 6/C502
6. TAP EXISTING MANHOLE, IE: 1206.70
7. 4" SANITARY SEWER SDR 35 PVC, IE: 1208.00
8. INSTALL 45 DEGREE BEND W/CLEANOUT, NORTHING: 10121.30 EASTING: 21049.87, SEE DETAIL 5 & 6/C502
9. INSTALL 45 DEGREE BEND W/CLEANOUT, NORTHING: 10113.33 EASTING: 21073.58, SEE DETAIL 5 & 6/C502
10. INSTALL 6" X 4" WYE W/CLEANOUT, NORTHING: 10157.63 EASTING: 21134.45, SEE DETAIL 5 & 6/C502
11. INSTALL CURB INLET BASKET BY SUNTREE TECHNOLOGIES INC., BIO CLEAN ENVIRONMENTAL SERVICES INC., OR APPROVED EQUAL
12. 3–36" PVC STORMWATER STORAGE PIPES @ 42'–0" LONG AND 7'–0" CENTERLINE SPACING. INSTALL CLEANOUT ON HIGH POINT OF EACH STORAGE PIPE, SEE DETAIL 5/C502. CONNECT STORAGE PIPES WITH 36" PVC HEADER PIPES USING 36" PVC JOINTS. A 3.25" PIPE CONNECTS THE NEW SYSTEM TO THE EXISTING LIMITING THE FLOW AND CAUSING STORMWATER TO BACKUP INTO THE STORAGE PIPES. WATER WILL CONTINUE TO FLOW THROUGH THE 3.25" PIPE AFTER THE STORM EVENT DRAINING THE STORAGE PIPES. A 12" OVERFLOW PIPE WILL CONNECT THE NEW SYSTEM WITH THE EXISTING FOR STORMS BEYOND THE DESIGN EVENT AND/OR IF THE 3.25" PIPE IS PLUGGED. THE SYSTEM IS DESIGNED FOR STORAGE NOT INFILTRATION. SEE THE STORM SEWER STRUCTURE TABLE FOR DETAILS.
13. REMOVE AND REPLACE EXISTING PAVEMENT TO FACILITATE INSTALLATION OF STORM SEWER, FIELD VERIFY.
14. REMOVE AND REPLACE EXISTING PAVEMENT TO FACILITATE INSTALLATION OF WATER LINE, FIELD VERIFY.
15. LOCATION OF RE–LOCATED FIRE HYDRANT, SEE DETAIL 3/C502.
16. WATER VALVE FOR FIRE HYDRANT, SEE DETAIL 2& 3/C502. NORTHING: 10303.93 EASTING: 21126.12.
17. INSTALL WATER VALVE, SEE DETAIL 2/C502. NORTHING: 10252.89 EASTING: 21046.64.
18. INSTALL WATER VALVE, SEE DETAIL 2/C502. NORTHING: 10222.45 EASTING: 21016.92.



1 CU102 SITE UTILITY PLAN DETAIL – A

SCALE: 1"= 10'-0"

NOTES:

1. LIGHT LINES INDICATE EXISTING CONDITIONS, HEAVY LINES INDICATE NEW WORK.
2. CHANGE IN SLOPE AT CREST OR SAG IN VERTICAL CURVES TO HAVE APEX ROUNDED OFF.
3. SPECIFIC ROOF DRAINS SHOWN TO BE TIED INTO STRUCTURES AS SHOWN WITH 8" PVC SDR 35 PIPING. PROVIDE 45 DEGREE AND WYE FITTINGS AS SHOWN. PIPE TO HAVE 1% SLOPE MIN.
4. SEE SHEET ES102 FOR ELECTRICAL DETAILS.
5. SEE C504 FOR SANITARY SEWER WATER MAIN CROSSING DETAIL.

STORM SEWER STRUCTURE TABLE

NO.	NORTHING	EASTING	RIM ELEV.	INVERT DATA	DATA ETC.
1	10124.18	21195.22	1209.08	1205.62 IN 1205.12 OUT	CURB INLET – CITY OF OMAHA STD PLATE 700–21
2	10134.17	21192.89	1208.75	1205.06 IN SE 1203.05 IN W 1204.23 IN NW 1203.10 OUT N (1) 1206.34 OUT N (2)	MANHOLE – CITY OF OMAHA STD PLATE 700–45 (1) 3.25" @ 1% (2) 12" @ 1%
3	10147.86 EXIST.	21196.49 EXIST.	1208.82	1203.00 IN NEW (1) 1206.24 IN NEW (2) 1202.70 OUT EXIST.	EXISTING STRUCTURE – TAP AS REQUIRED (1) 3.25" @ 1% (2) 12" @ 1%

Revisions	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

Architect Project No. 003–10121–017

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Drawing Title: SITE UTILITY PLAN– SE AREA

Approved: Project Director — Name

Project Title: FISHER HOUSE SITE PREP

Location: OMAHA, NE

Date: October 18, 2016 R | Checked: AAH | Drawn: JMK

Project Number: 636–CSI–100

Building Number: A, B, 3

Drawing Number: CU102

Office of Construction and Facilities Management

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