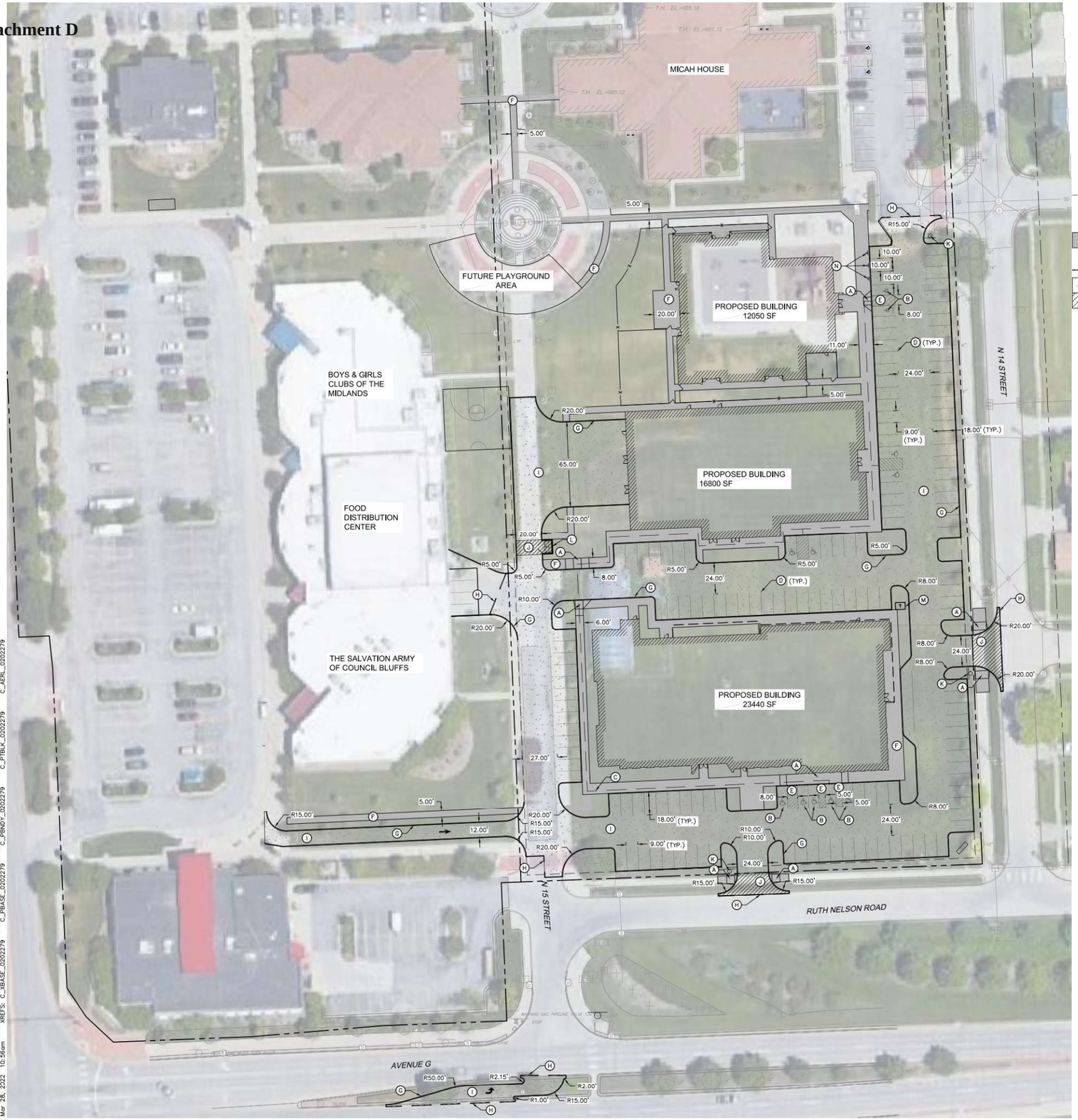
**Attachment D**




LEGEND

- BUILDING SETBACK
- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED CURB AND GUTTER
- PROPOSED BUILDING OUTLINE

| SITE KEY NOTES | |
|---|---|
| A | CONSTRUCT CURB RAMP PER ADA REGULATIONS AND LOCAL JURISDICTIONAL REQUIREMENTS. REFERENCE DETAIL SHEET. REFERENCE PLAN FOR CURB RAMP TYPE. |
| B | INSTALL ADA PARKING STALL AND ASSOCIATED STRIPING AND SIGNAGE PER ADA REGULATIONS AND LOCAL JURISDICTIONAL REQUIREMENTS. REFERENCE DETAIL SHEET. |
| C | PROPOSED ADA ACCESSIBLE ROUTE PER ADA REGULATIONS AND LOCAL JURISDICTIONAL REQUIREMENTS. |
| D | INSTALL 4-INCH WHITE PAVEMENT STRIPING (TYP.) |
| E | INSTALL 4-INCH WHITE PAVEMENT STRIPING AT 45°, 2-FEET O.C. |
| F | CONSTRUCT 4-INCH THICK P.C.C. SIDEWALK. REFERENCE DETAIL SHEET. |
| G | CONSTRUCT P.C.C. INTEGRAL CURB AND GUTTER. REFERENCE DETAIL SHEET. |
| H | SAWCUT EXISTING PAVEMENT, FULL DEPTH AND CONSTRUCT THICKENED EDGE. REFERENCE DETAIL SHEET. |
| I | CONSTRUCT X-INCH THICK STANDARD DUTY P.C. CONCRETE PAVEMENT. REFERENCE DETAIL SHEET. |
| J | CONSTRUCT X-INCH THICK HEAVY DUTY P.C. CONCRETE PAVEMENT. REFERENCE DETAIL SHEET. |
| K | INSTALL STOP SIGN PER MUTCD STANDARDS. REFERENCE DETAIL SHEET FOR INSTALLATION DETAIL. |
| L | TRASH ENCLOSURE. REFERENCE ARCHITECTURAL PLANS. CONSTRUCT HEAVY DUTY PAVEMENT APRON AS SHOWN ON PLAN. |
| M | TRANSFORMER PAD. REFERENCE UTILITY PLAN. |
| N | PARENT DROP OFF STALL & SIGNAGE. |

NOTES
1. ALL RADII ARE 3-FEET UNLESS OTHERWISE NOTED.
2. STANDARD PARKING STALL SIZE SHALL BE 9'x18'.
3. ADA ACCESSIBLE PARKING STALL SIZE SHALL BE 8'x18'.

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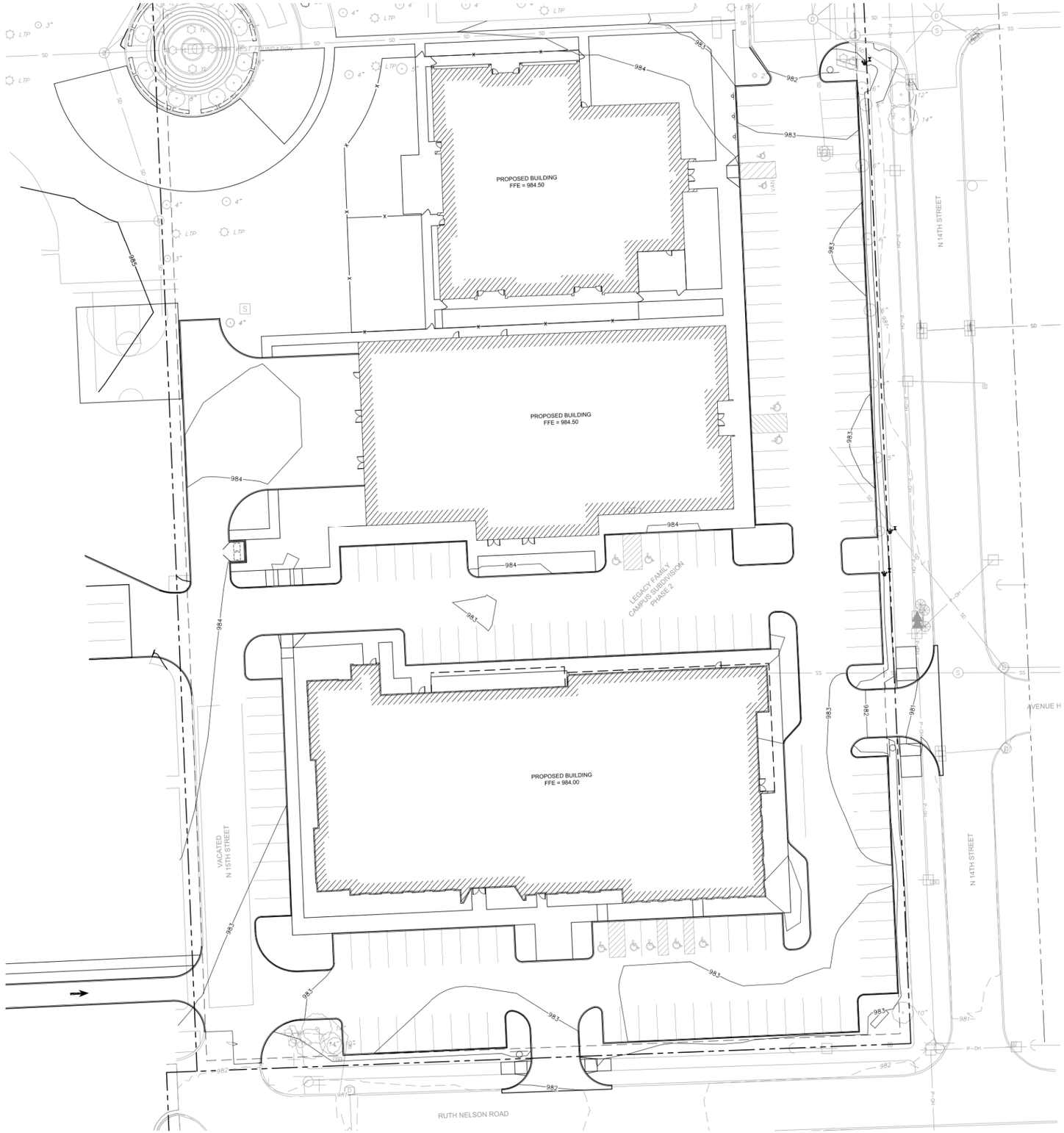
HEARTLAND FAMILY SERVICES
1234 STREET
COUNCIL BLUFFS, IA

Revisions |

Project No. | 020-2279
Issue Date | 10-20-21

Sheet No. | C1.1
PRELIMINARY SITE PLAN

DWG: F:\2020\2201-2500\020-2279\40-Design\AutoCAD\Preliminary Plans\Sheets\GNCV\C_ST01_020279.dwg USER: zmurphy
DATE: Mar 28, 2022 10:56am XREFS: C_XBASE_020279 C_PBASE_020279 C_PBNDY_020279 C_PTBLK_020279 C_AERL_020279




LEGEND

| | |
|---|---|
| 9XX | EXISTING MAJOR CONTOUR |
| 9XX | EXISTING MINOR CONTOUR |
| 9XX | PROPOSED MAJOR CONTOUR |
| 9XX | PROPOSED MINOR CONTOUR |
| | DRAINAGE ARROW |

NOTES

1. SEE GENERAL NOTES SHEET FOR PROJECT GRADING REQUIREMENTS.
2. CONTOURS REPRESENT TOP OF SLAB ELEVATION IN PAVED AREAS AND FINISHED GRADE ELEVATION IN NON-PAVED AREAS, UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDING AND GARAGE PAD AREAS AND PAVEMENTS.
4. REFERENCE THE GRADING INFORMATION TABLE FOR CONTOUR INFORMATION.
5. REFERENCE THE FILL PLACEMENT / COMPACTION REQUIREMENTS TABLE FOR MINIMUM SUBGRADE PREPARATION REQUIREMENTS FOR VARIOUS AREAS OF THE PROJECT.

GRADING INFORMATION TABLE

| AREA | CONTOURS REPRESENT | CONTRACTOR TO GRADE TO |
|---|---|---|
| STREETS/INTERNAL DRIVES | FINISHED GROUND (TOP OF SLAB) | SUBGRADE (REF. SITE PLANS FOR PAVEMENT THICKNESS) |
| PARKING LOT PAVED AREAS | FINISHED GROUND (TOP OF SLAB) | SUBGRADE (REF. SITE PLANS FOR PAVEMENT THICKNESS) |
| BUILDING AREAS | FINISHED GROUND (FINISHED FLOOR ELEV.) | SUBGRADE (REF. ARCHITECTURAL PLANS FOR FLOOR SLAB AND SUBBASE THICKNESS) |
| ALL OTHER NON-PAVED/ NON-BUILDING AREAS | FINISHED GROUND | 6" BELOW CONTOURS (FOR TOPSOIL) |

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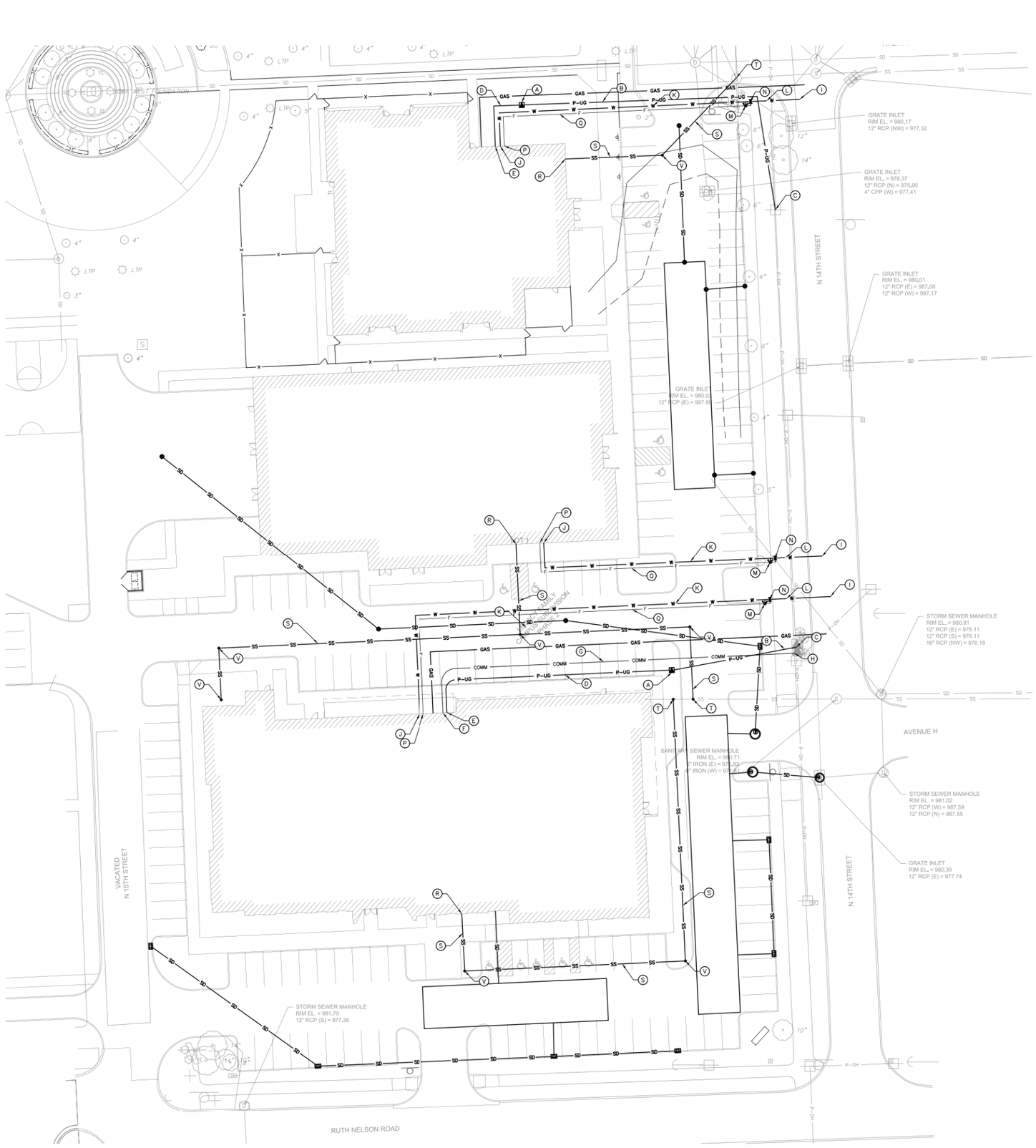
HEARTLAND FAMILY SERVICES
1234 STREET
COUNCIL BLUFFS, IA

Revisions |

Project No. | 020-2279
Issue Date | 10-20-21

Sheet No. | C2.0
PRELIMINARY
GRADING PLAN

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## LEGEND

- EXISTING PROPERTY LINE
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING WATER MAIN
- EXISTING GAS MAIN
- EXISTING OVERHEAD POWER
- EXISTING FIRE HYDRANT
- PROPOSED STORM SEWER
- PROPOSED INLETS
- PROPOSED FLARE END SECTION
- PROPOSED UNDERGROUND POWER
- PROPOSED SANITARY SEWER
- PROPOSED WATER LINE
- PROPOSED FIRE LINE

| UTILITY KEY NOTES | |
|---|---|
| A | CONCRETE TRANSFORMER PAD LOCATION: CONTRACTOR SHALL VERIFY EXACT LOCATION, MINIMUM BUILDING CLEARANCE, CONFIGURATION AND SIZE OF CONCRETE PAD, AND MATERIAL REQUIREMENTS WITH ELECTRICAL COMPANY PRIOR TO INSTALLATION. CONTRACTOR SHALL INSTALL CONCRETE PAD AND BOLLARDS AS REQUIRED BY ELECTRICAL COMPANY. PADMOUNT TRANSFORMER TO BE SUPPLIED AND INSTALLED BY ELECTRICAL COMPANY. |
| B | PRIMARY POWER SERVICE: CONTRACTOR SHALL PROVIDE AND INSTALL 1 – 4" PVC SCHEDULE 40 CONDUIT WITH PULL ROPES, AND ALL NECESSARY PULL BOXES PER ELECTRICAL COMPANY REQUIREMENTS (CONTRACTOR TO VERIFY). MINIMUM CONDUIT BURY IS 42--INCHES. ELECTRICAL COMPANY TO PROVIDE AND INSTALL PRIMARY CABLE AND MAKE CONNECTION TO TRANSFORMER. |
| C | PRIMARY POWER CONNECTION: ELECTRICAL COMPANY TO MAKE CONNECTION TO EXISTING SERVICE. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL COMPANY AS NECESSARY FOR SCHEDULING. |
| D | SECONDARY POWER SERVICE: CONTRACTOR SHALL PROVIDE AND INSTALL ALL MATERIALS NEEDED TO ESTABLISH SECONDARY SERVICE FROM THE TRANSFORMER TO THE BUILDING. REFERENCE M.E.P. PLANS FOR CONTINUATION INTO THE BUILDING. |
| E | PROPOSED ELECTRICAL SWITCH LOCATION TO BE INSTALLED BY ELECTRICAL COMPANY. COORDINATE EXACT SIZE & LOCATION WITH ELECTRICAL COMPANY. |
| F | COMMUNICATION LINE ENTRY LOCATION: COMMUNICATION COMPANY TO MAKE CONNECTIONS TO THE BUILDING. REFERENCE M.E.P. PLANS FOR CONTINUATION INTO THE BUILDING. |
| G | COMMUNICATION SERVICE: CONTRACTOR SHALL SUPPLY AND INSTALL CONDUITS WITH PULL ROPES, AND ALL NECESSARY PULL BOXES PER THE REQUIREMENTS OF THE COMMUNICATION COMPANY (CONTRACTOR TO VERIFY). CONTRACTOR SHALL CONFIRM WITH M.E.P. PLANS AND COMMUNICATION COMPANY FOR LOCATION OF PROPOSED SERVICE AND REQUIREMENTS FOR CONDUIT SIZE/TYPE/NUMBER AND MINIMUM BURY DEPTH. COMMUNICATION COMPANY TO PROVIDE AND INSTALL SERVICE WIRES. |
| H | COMMUNICATION CONNECTION: COMMUNICATION COMPANY TO MAKE CONNECTION TO EXISTING SERVICE. CONTRACTOR SHALL COORDINATE WITH COMMUNICATION COMPANY AS NECESSARY FOR SCHEDULING. |
| I | WATER MAIN CONNECTION: CONTRACTOR SHALL COORDINATE WITH WATER COMPANY FOR CONNECTION. |
| J | X"" DOMESTIC WATER SERVICE ENTRY LOCATION: METER IS LOCATED INSIDE THE BUILDING. REFERENCE M.E.P. PLANS FOR CONTINUATION INTO THE BUILDING. CONTRACTOR SHALL COORDINATE WITH THE WATER COMPANY FOR INSPECTIONS PRIOR TO CONNECTION. |
| K | X"" DOMESTIC WATER SERVICE LINE: CONTRACTOR SHALL PROVIDE AND INSTALL ALL BENDS, TEES, ELBOWS, ETC. WITH THRUST BLOCKING PER THE WATER COMPANY SPECIFICATIONS AND REQUIREMENTS (CONTRACTOR SHALL VERIFY). REFERENCE DETAIL SHEET. |
| L | X"" WATER SERVICE LINE. CONTRACTOR SHALL PROVIDE AND INSTALL ALL BENDS, TEES, ELBOWS, ETC. WITH THRUST BLOCKING PER THE WATER COMPANY REQUIREMENTS (CONTRACTOR SHALL VERIFY). REFERENCE DETAIL SHEET. |
| M | INSTALL POST INDICATOR VALVE WITH ADDRESS TAG. REFERENCE DETAIL SHEET. |
| N | INSTALL GATE VALVE, M..I. WITH BOX PER THE WATER COMPANY REQUIREMENTS. |
| O | INSTALL FIRE HYDRANT/VALVE ASSEMBLY PER THE WATER COMPANY SPECIFICATIONS & REQUIREMENTS. REFERENCE DETAIL SHEET. |
| P | X"" FIRE SERVICE LINE ENTRY LOCATION: CONTRACTOR SHALL PROVIDE AND INSTALL ALL APPURTENANCES ON THE FIRE SERVICE LINE SUCH AS, BUT NOT LIMITED TO, POST INDICATOR VALVES, TAMPER SWITCH, CHECK VALVES, GATE VALVES, ETC., PER THE WATER COMPANY SPECIFICATIONS AND REQUIREMENTS (CONTRACTOR SHALL VERIFY). REFERENCE M.E.P. PLANS FOR EQUIPMENT AND CONTINUATION INTO THE BUILDING. |
| Q | X"" FIRE SERVICE LINE: CONTRACTOR SHALL PROVIDE AND INSTALL ALL BENDS, TEES, ELBOWS, ETC. WITH THRUST BLOCKING PER THE LOCAL REQUIREMENTS (CONTRACTOR SHALL VERIFY). REFERENCE DETAIL SHEET. |
| R | X" SANITARY SEWER SERVICE ENTRY LOCATION: REFERENCE M.E.P. PLANS FOR CONNECTION AND CLEANOUT INFORMATION. INV. EL.=XXXX.XX |
| S | X" SANITARY SEWER SERVICE: CONTRACTOR SHALL INSTALL X" SANITARY SEWER SERVICE AT 1.0% MINIMUM SLOPE. |
| T | SANITARY SEWER CONNECTION: CONTRACTOR SHALL TAP EXISTING MANHOLE/X" SANITARY SEWER LINE. CONTRACTOR SHALL VERIFY ELECATION AND LOCATION OF EXISTING MANHOLE/SANITARY SEWER LINE AND MAINTAIN CONSTANT FLOW DURING CONSTRUCTION. |
| U | CONSTRUCT XX" I.D. SANITARY SEWER MANHOLE. REFERENCE DETAIL SHEET. |
| V | CONSTRUCT SANITARY SEWER CLEANOUT. REFERENCE DETAIL SHEET. |
| W | TAP PROPOSED MANHOLE/AREA INLET/GRATE INLET. |
| X | TAP PROPOSED STORM SEWER PIPE. INSTALL TEE OR INSTALL WYE. CONTRACTOR SHALL MATCH CENTERLINES OF PIPE. REFERENCE DETAIL SHEET. |
| Y | CONSTRUCT STORM SEWER CLEANOUT. REFERENCE DETAIL SHEET. |

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# HEARTLAND FAMILY SERVICES

1234 STREET
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Revisions |

Project No. | 020-2279
Issue Date | 10-20-21

Sheet No. | C3.0
PRELIMINARY
UTILITY PLAN

DWG: F:\2020\2201-2500\020-2279\4D-Design\AutoCAD\Preliminary Plans\Sheets\GNCV\C_UTL01_0202279.dwg USER: zmurphy
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