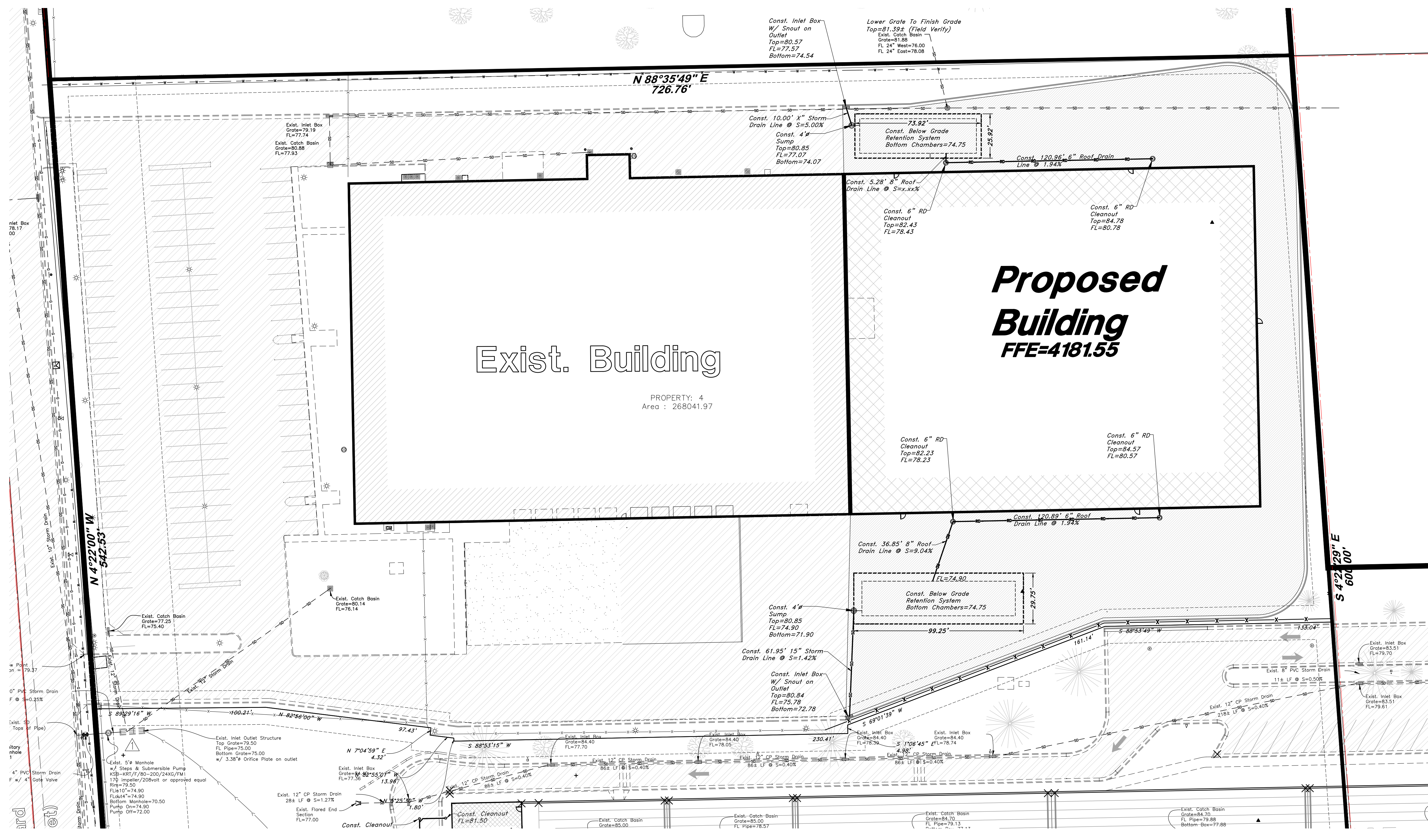
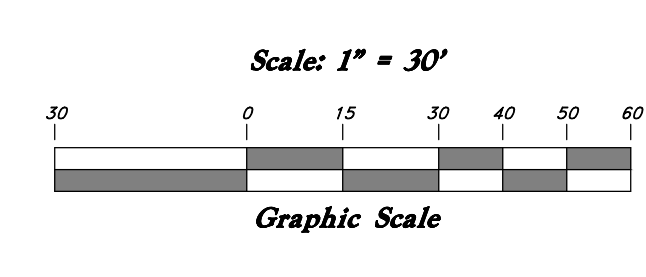


Legend

- (Note: In terms of size, 1/2" equals 10'-0" (3048mm))
- San. Sewer Manhole
 - Water Manhole
 - Storm Drain Manhole
 - Cleanout
 - Electrical Manhole
 - Catch Basins
 - Exist. Fire Hydrant
 - Exist. Water Valve
 - Water Valve
 - Sanitary Sewer
 - Culinary Waste
 - Gas Line
 - Drainage Line
 - Storm Drain
 - Telephone Line
 - Power Line
 - Fire Line
 - Land Drain
 - Power pole w/guy
 - Light Pole
 - Fence
 - Flowline of ditch
 - Overhead Power Line
 - Corrugated Metal Pipe
 - Concrete Pipe
 - Reinforced Concrete Pipe
 - Asbestos Pipe
 - Polyvinyl Chloride
 - Top of Asphalt
 - Edge of Asphalt
 - Contour
 - Flowline
 - Finish Floor
 - Top of Curb
 - Top of Wall
 - Top of Bank
 - Top of Concrete
 - Bottom of Concrete
 - Finish Grade
 - Median Elevation
 - Fire Department Connection
 - Flowline
 - Exist. Contour
 - Finish Grade
 - Exist. Grade
 - Edge Line
 - Direction of Flow
 - Existing Asphalt
 - New Asphalt
 - Heavy Duty Asphalt
 - Existing Concrete
 - New Concrete
 - Spill Curb & Gutter
 - Demo Tree



- GENERAL UTILITY NOTES:**
- Coordinate all utility connections to building with plumbing plans and building contractor.
 - Verify depth and location of all existing utilities prior to constructing any new utility lines.
 - Notify Civil Engineer of any discrepancies or conflicts prior to any connections being made.
 - All catch basins and inlet box covers are to be bicycle boxes.
 - All inlet boxes located in curb and gutter are to be placed parallel to the curb and gutter and set under the frame and grate. Inlets in place boxes are acceptable.
 - Refer to the site electrical plan for details and locations of electrical lines, transformers and light poles.
 - Gas lines, telephone lines, and cable TV lines are not part of these plans unless otherwise noted.
 - Water meters are to be installed per city standards and specifications. It will be the contractor's responsibility to install all items required.
 - Water lines, valves, fire hydrants, fittings, etc. are to be constructed as shown. Contractor is responsible to construct any vertical adjustments necessary to clear sewer, storm drain or other utilities as necessary including valve boxes and hydrant spots to proper grade.
 - Field verify all existing and/or proposed Roof Drain/Root Drain down spout connections to Storm Water System with Civil, Plumbing & Architectural plans. Notify Engineer of any discrepancies.
 - All gravity flow utility lines shall be installed prior to any pressurized utilities unless written permission is obtained from the engineer of record before construction begins.

- UTILITY PIPING MATERIALS:**
- All piping to be installed per manufacturers recommendations. Refer to project specifications for more detailed information regarding materials, installation, etc.

- CULINARY SERVICES LATERALS**
- 3/4" to 2" diameter pipe - copper tube ASTM B, Type K, Soft Temper
 - Over 2" diameter pipe - AWWA C-900 Class 150 pipe

- WATER MAIN LINES AND FIRE LINES**
- Pipe material as shown on utility plan view or to meet city standards.

- SANITARY SEWER LINES**
- All sewer piping to be Polyvinyl Chloride (PVC) sewer pipe, ASTM D 3034, Type PSM, SDR 35

- STORM DRAIN LINES**
- 12" pipes or smaller - Polyvinyl Chloride (PVC) sewer pipe, ASTM D3034, Type PSM, SDR 35
 - 12" or larger - Reinforced Concrete Pipe, ASTM C76, Class III up to 13" of cover, Class IV for 13" to 21" of cover, Class V for 21" to 32" of cover, and Special Design for cover greater than 32 feet.

- NATURAL GAS SERVICE LATERALS (QUESTAR)**
- PLASTIC PIPING MATERIALS: Plastic polyethylene pipe materials and compression couplings must be approved for natural gas applications and must be installed underground. All plastic pipe and fittings must conform to ASTM D2513 (40 psi and above high density pipe approved 3408).
 - Plastic pipe must be joined by individuals qualified in the heat fusion method of connecting pipe and fittings or approved mechanical fittings. A minimum number 18 insulated yellow copper tracer wire shall be installed with underground nonmetallic gas piping and shall terminate above grade at each end. Tracer wire shall not come in contact with plastic piping.
 - Risers and prefabricated risers inserted with plastic pipe shall conform to ASTM D2513, shall be metallic, have a space of 10 inches from the bottom of the service valve and grade and shall be wrapped or coated to a point at least 6 inches above grade or protected in an approved manner. When a riser connects underground to plastic pipe, the underground horizontal metallic portion of the riser shall extend at least 12 inches before connecting to the plastic pipe by means of an approved transition fitting, adapter or heat fusion.
 - Plastic pipe used underground for customer fuel lines must be approved polyethylene material and be buried a minimum of 12 inches. It shall not be used inside buildings or above ground. PVC (Polyvinyl Chloride) is not approved for piping systems in Questar Gas's service area. Individual gas lines (metallic or plastic) to single outside appliance (outside lights, grilles, etc.) shall be installed a minimum of 6 inches below grade, provided such installation is approved and installed in locations not susceptible to physical damage.

CAUTION NOTICE TO CONTRACTOR

The contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans are based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must call the appropriate utility companies at least 48 hours before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the proposed improvements shown on the plans.

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

The Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property that may be affected by the construction and shall be held to normal working hours, and that the contractor shall defend, indemnify, and hold the owner and the engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the owner or the engineer.

ALL CONSTRUCTION TO CONFORM TO CITY STANDARDS AND SPECIFICATIONS IN RIGHT OF WAY

1144 E 2800 N
OGDEN, UT 84414

contact:
p: 801.644.4926
e: info@developarchitects.com
web: www.developarchitects.com

DEVELOP ARCHITECTS, LLC

PROJECT TITLE
GVH DISTRIBUTION
2468 N RULON WHITE BLVD
OGDEN, UTAH 84404

OWNER:

DOCUMENT DATE:
April 10, 2020

PROJECT PHASE
CONSTRUCTION

REVISIONS

#	Description	Date
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DRAWING DESCRIPTION
UTILITY PLAN

C3.0
SHEET NUMBER