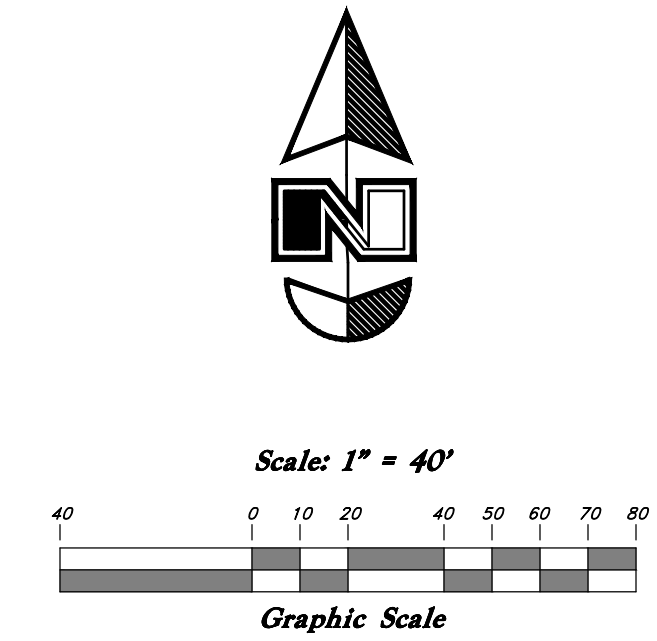
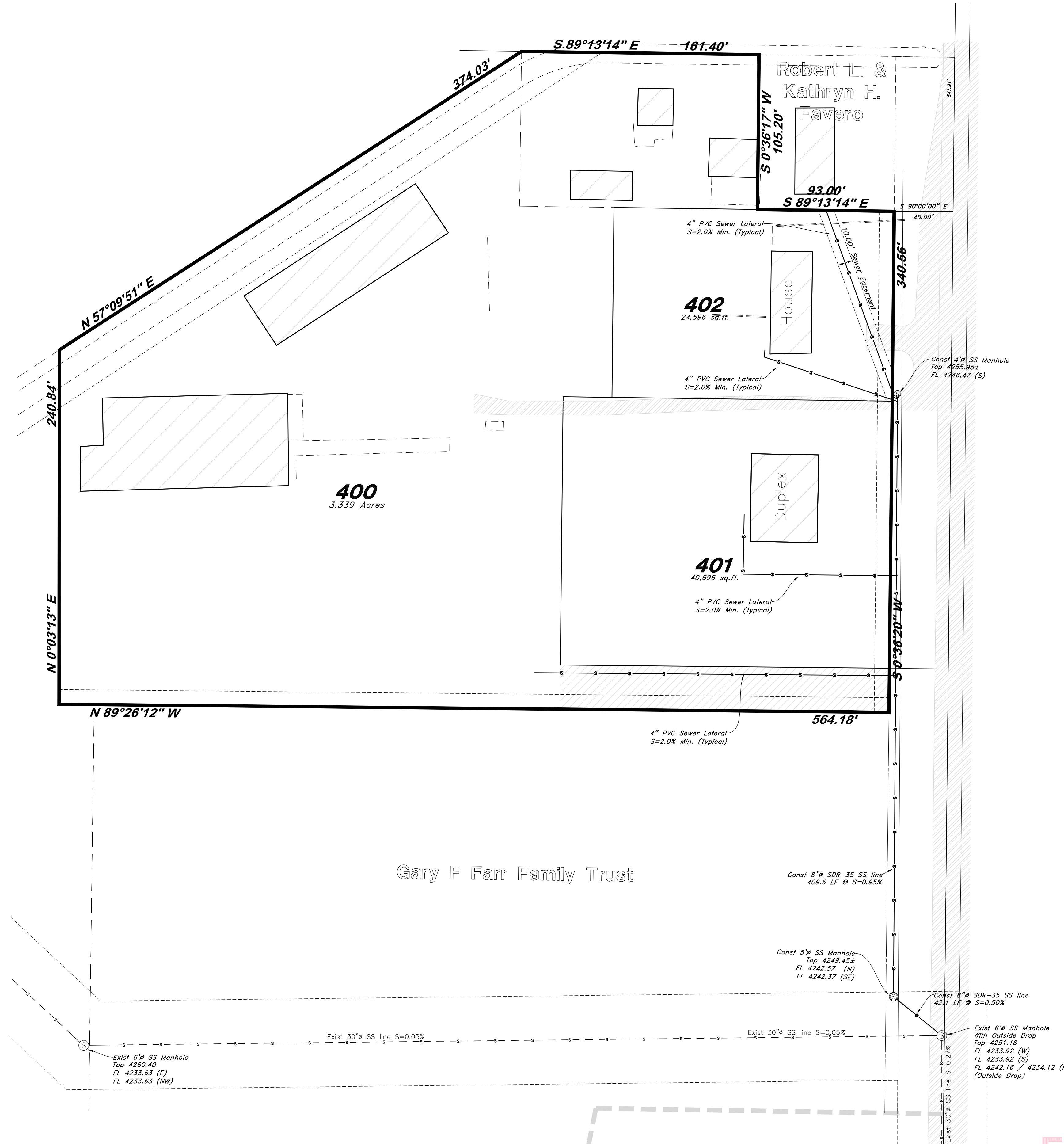


VICINITY MAP
(Not to Scale)

Summerset Farms - Phase 4

A part of the Southeast Quarter of Section 28, T6N, R2W, SLB&M, U.S. Survey
Weber County, Utah
November 2020



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Utility Plan

Summerset Farms Phase 4

2300 South 3900 West
 Weber County, Utah
 A part of the Southeast Quarter of Section 28, T6N, R2W, SLB&M, U.S. Survey

Nov. 10, 2020

SHEET NO.

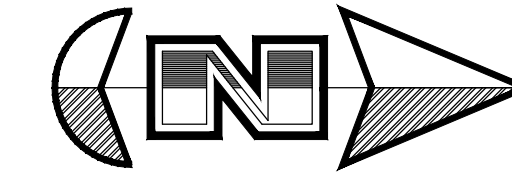
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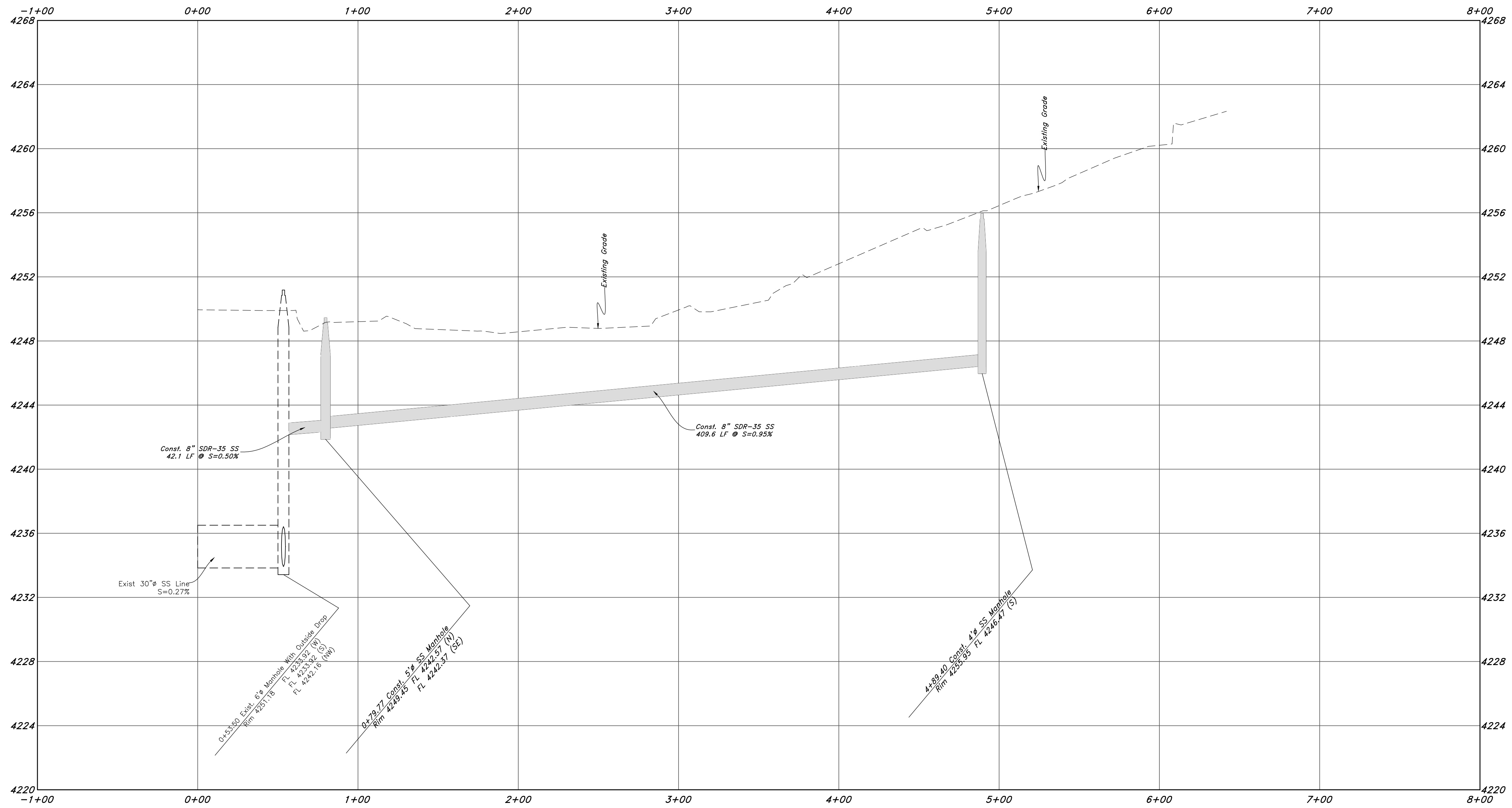
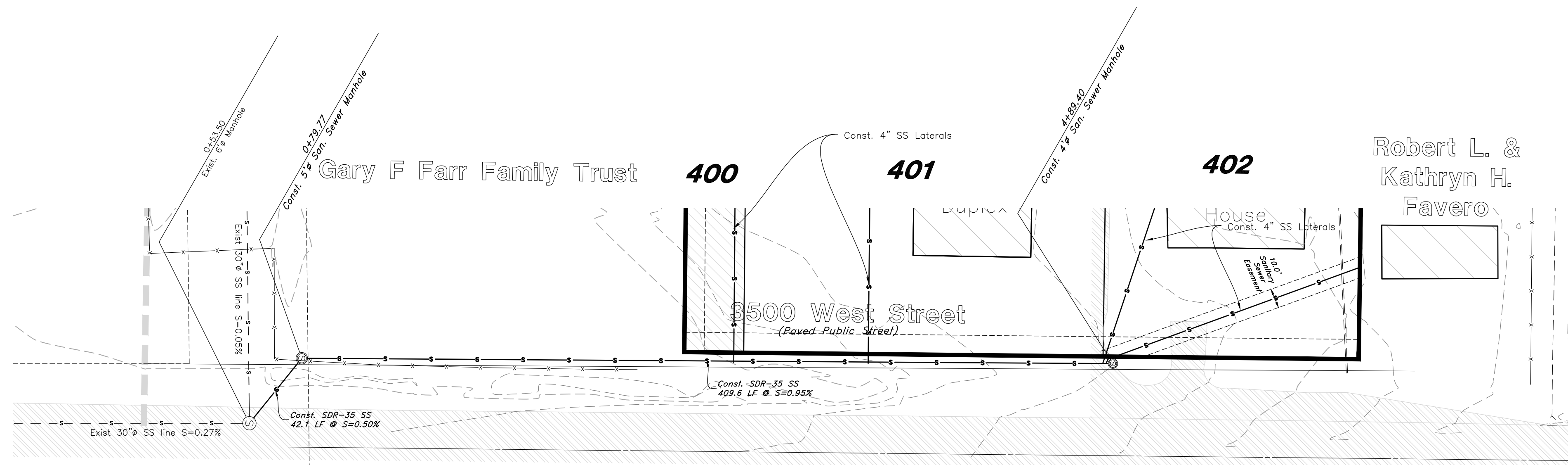
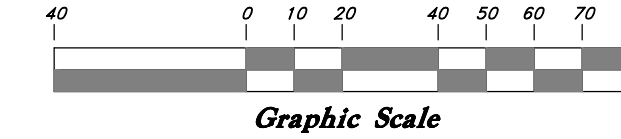
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Summerset Farms - Phase 4

A part of the Southeast Quarter of Section 28, T6N, R2W, SLB&M, U.S. Survey
 Weber County, Utah
 November 2020



Scale:
 1" = 40' Horiz.
 1" = 8' Vertical



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Plan and Profile
Summerset Farms Phase 4
 2300 South 3900 West
 Weber County, Utah, A part of the Southeast Quarter of Section 28,
 T6N, R2W, SLB&M, U.S. Survey

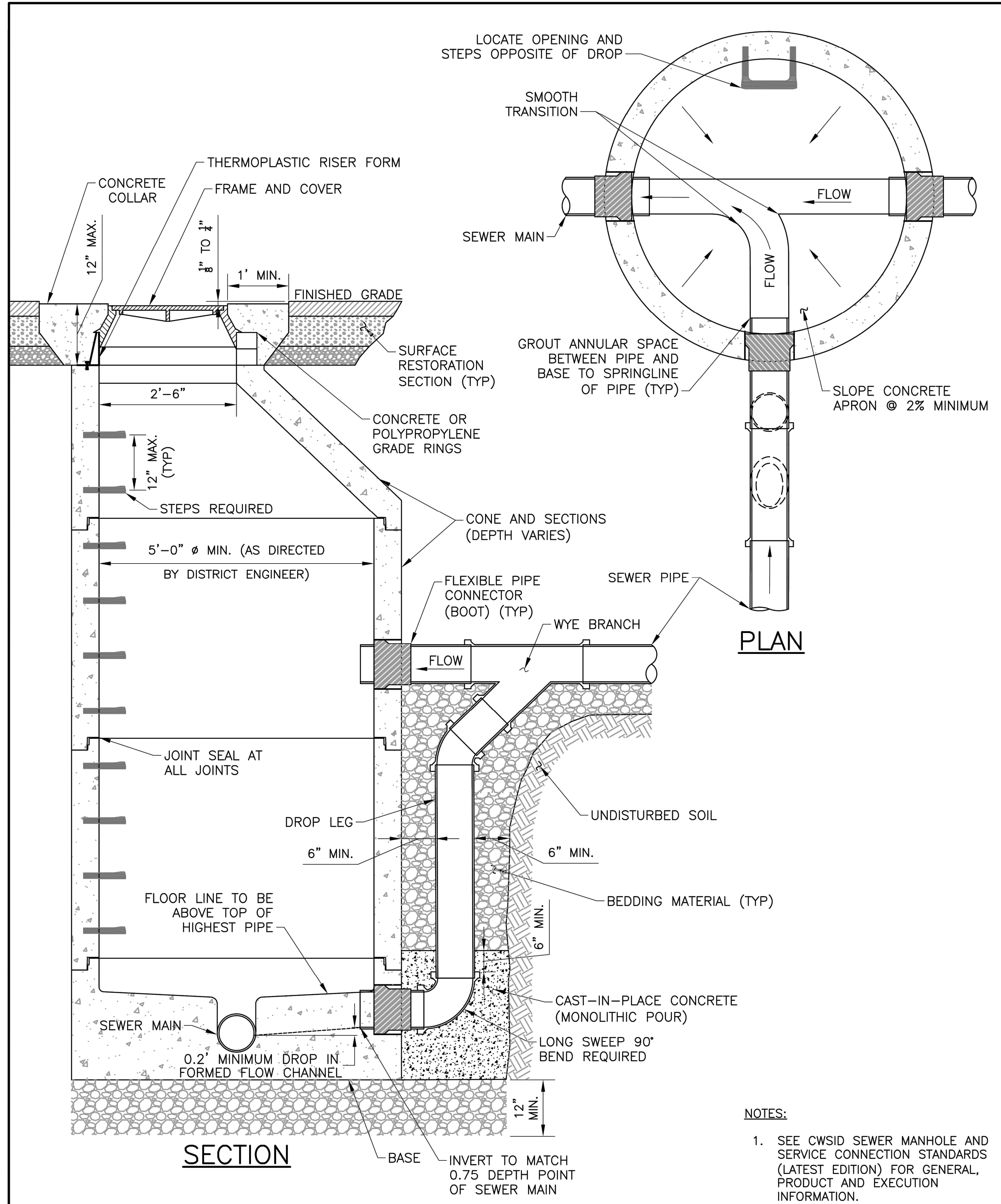
Nov. 10, 2020

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NOTES:
 1. SEE CWSID SEWER MANHOLE AND SERVICE CONNECTION STANDARDS (LATEST EDITION) FOR GENERAL, PRODUCT AND EXECUTION INFORMATION.

- CENTRAL WEBER SEWER IMPROVEMENT DISTRICT GENERAL NOTES**
- All connections made to Central Weber Sewer Improvement District (District) owned sewer mains shall be done in accordance with these standards.
 - Plans shall be coordinated with the District at least 3 weeks prior to beginning work. The District can be contacted at 801-731-3011. Submission of connection plans to the District will be required. The submitted plans shall identify the location and type of connection. The connection details can refer to these standards, however, any substitution or deviation from these standards must be coordinated and approved by the District.
 - For trench backfill above pipe zone and surface restoration requirements and Coordination, see Sanitary Sewer Manhole standards.
 - New Pipe Connection to Existing Sewer Main:
 - If grade allows, new pipe connections shall match the 0.75 depth point of existing sewer main. Otherwise match top of new pipe connection to top of existing sewer main as approved by the District Engineer.
 - Inverts shall be full depth.
 - Debris and construction materials shall not be allowed to enter the existing wastewater system. If debris and construction materials do enter the existing wastewater system, the Contractor shall be responsible for removal of the material, and any damages caused thereby, as approved by the District Engineer.
 - Contact District Inspector 48 hours (2 business days) prior to construction.
 - All sewer construction connected to District owned sewer mains shall be approved by the District Inspector prior to completion of the work.
 - Contractor may submit equal products and materials in lieu of those specified in these standards for review and approval by the District.

- CONNECTION TO EXISTING MANHOLE (SEE DETAIL)**
- GENERAL**
- The following notes are in addition to those that apply found listed under the Sanitary Sewer Manhole standards.
 - Outside drop manhole connections shall be avoided in the design of the wastewater collection system and will require approval on a case by case basis by the District Engineer.
 - Outside drop manhole connections shall be required whenever the elevation difference between the flowlines of the incoming pipe and the outgoing pipe, as calculated at the inside manhole wall, meets or exceeds 24".
 - Incoming Pipe Sizes: For sewer pipes between 8" and 12" diameter.
- PRODUCTS**
- Pipes: Polyvinyl Chloride (PVC) pipe conforming to ASTM D 3034, SDR-35, smooth solid wall sewer pipe, bell and spigot joint ends with gaskets.
 - Fittings:
 - Polyvinyl Chloride (PVC) gasketed sewer fittings conforming to ASTM F-1336.
 - Long sweep 90 degree bend is required, however, two 45 degree bends can be used to make 90 degree turns if approved by the district inspector.
 - Joints: Polyvinyl Chloride (PVC) integral-bell gasketed joints conforming to ASTM D3212. Rubber gaskets shall be factory installed and conform to ASTM F477.

- EXECUTION**
- Existing Manhole Assessment: Prior to construction, condition of the existing manhole shall be assessed by the District Inspector.
 - If Determined that the Manhole is Suitable to Core:
 - District Inspector shall witness all core drilling of existing manholes.
 - Contractor shall core drill existing manhole wall and apron as required with appropriate size coring machine to allow for placement of new pipe to flexible pipe connector (boot) in manhole at design elevation and provide a channel in the apron for new pipe.
 - Install flexible pipe connector (boot) in core drilled wall per manufacturer's recommendations and standards to provide a watertight seal.
 - Existing apron shall be built up with epoxy grout anchored to existing concrete with Type 316 stainless steel anchors or as otherwise directed by the District Engineer to provide a full depth channel from the new pipe to the existing channel as directed by the District Engineer.
 - Chipping, cutting and grinding of existing apron and channel and finishing with epoxy grout may be required.
 - Transition from new invert to existing invert shall be smooth and uniform and shall provide a long radius sweep to redirect flow to the existing downstream pipe.
 - If Determined that the Manhole is Not Suitable to Core: Existing manhole shall be removed and replaced with a new manhole with precast base.
 - During construction of new sewer line to existing manhole, the alignment of existing precast sections, grade rings, and castings shall be maintained and the joints between sections, grade rings, and castings, lift holes and connections of existing inflow and outflow pipes shall be watertight.
 - Contractor shall provide for continuous wastewater flow and shall prevent entrance of any groundwater, storm water, debris or dirt into existing facilities during construction process.
 - Outside Drop Piping:
 - Install drop piping with wye turned down at top of drop and two 45 degree bends to make 90 degree turn at bottom of drop.
 - Place and compact a minimum of 6" pipe zone material around and along pipe between pipe at top of drop to a maximum of 6" above the top gasket joint of the top 45 degree fitting belonging to the 90 degree turn at the bottom of drop.
 - Place and consolidate a minimum of 6" concrete around and along the pipe belonging to the 90 degree turn of the bottom of drop up to a minimum of 6" above the top gasket joint of the top 45 degree fitting of said turn.



5					
4					
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NO	DATE	REVISION	BY	CHK	APP

CENTRAL WEBER SEWER IMPROVEMENT DISTRICT
OUTSIDE DROP MANHOLE

NO SCALE
 DRAWN: DESIGNED: CHECKED: APPROVED:
 DATE: MAR '18 FILE NAME: DRAWING NAME: D-4

P:\Central Weber SID\016-17-02 Collection System Standards\2.0 Design Phase\2.7 Drawings\SHT\Steven Edits 1-24-18\D-4 Outside Drop Manhole.dwg

REV	DATE	DESCRIPTION

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