**General Utility Notes:**

1. Coordinate all utility connections to building with plumbing plans and building contractor.
2. 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.
3. All catch basin and inlet box grates are to be bicycle proof.
4. 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. Improperly placed boxes will be removed and replaced at no additional cost to the owner. Precast or cast in place boxes are acceptable.
5. Refer to the site electrical plan for details and locations of electrical lines, transformers and light poles.
6. Gas lines, telephone lines, and cable TV lines are not a part of these plans unless otherwise noted.
7. Water meters are to be installed per city standards and specifications. It will be the contractor's responsibility to install all items required.
8. Water lines, valves, fire hydrants, fittings etc. are to be constructed as shown. Contractor is responsible to construct vertical adjustments necessary to clear sewer, storm drain or other utilities as necessary including valve boxes and hydrant spools to proper grade.
9. Field verify all existing and/or proposed Roof Drain/Roof Drain down spout connections to Storm Water System with Civil, Plumbing & Architectural plans. Notify Engineer of any discrepancies.

**Utility Piping Materials:**
All piping to be installed per manufacturers recommendations. Refer to project specifications for more detailed information regarding materials, installation, etc.

**Culinary Service Laterals**
1. 3/4" to 1" diameter pipe – copper tubing ASTM B, Type K, Soft Temper
2. 2" to 3" diameter pipe – CTS Poly ASTM ?,
3. 4" diameter and above – AWWA Class 200 pipe, SDR21 Class 200 PVC pipe.

**Water Main Lines and Fire Lines**
1. Pipe material as shown on utility plan view or to meet city standards. Culinary water lines and fire line to building sprinkling system– AWWA Class 200 SDR21 PVC pipe. Fire line to fire hydrants and pressure irrigation lines– AWWA C–900 DR18 PVC– (purple pipe).

**Sanitary Sewer Lines**
1. All sewer piping to be Polyvinyl Chloride (PVC) sewer pipe, ASTM D 3034, Type PSM, SDR 35

**Storm Drain Lines**
1. 10" pipes or smaller – Polyvinyl Chloride (PVC) sewer pipe, ASTM D3034, Type PSM, SDR 35, (Private).
2. 12" to 21" pipes – Concrete Pipe, ASTM C14, Class III up to 13' of cover. For greater than 13' feet of cover, use reinforced concrete pipe and classes listed below.
3. 24" pipes 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.

Scale: 1" = 40'

40 0 10 20 40 50 60 70 80

Graphic Scale

*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 this requirement shall apply continuously and not be limited 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*

## Legend

(Note: All items may not appear on drawing)

| | |
|---|---|
| San. Sewer Manhole | S |
| Water Manhole | W |
| Storm Drain Manhole | SD |
| Electrical Manhole | E |
| Catch Basins | |
| Exist. Fire Hydrant | |
| Fire Hydrant | |
| Exist. Water Valve | |
| Water Valve | |
| Sanitary Sewer | S |
| Culinary Water | W |
| Gas Line | G |
| Irrigation Line | IW |
| Storm Drain | SD |
| Telephone Line | T |
| Secondary Waterline | SD |
| Power Line | P |
| Fire Line | F |
| Land Drain | LD |
| Power pole | |
| Power pole w/guy | |
| Light Pole | |
| Fence | x x x |
| Flowline of ditch | |
| Overhead Power line | OHP |
| Corrugated Metal Pipe | CMP |
| Concrete Pipe | CP |
| Reinforced Concrete Pipe | RCP |
| Ductile Iron | DI |
| Polyvinyl Chloride | PVC |
| Top of Asphalt | TA |
| Edge of Asphalt | EA |
| Centerline | CL |
| Flowline | FL |
| Finish Floor | FF |
| Top of Curb | TC |
| Top of Wall | TWL |
| Top of Walk | TW |
| Top of Concrete | TCN |
| Natural Ground | NG |
| Finish Contour | 90 |
| Exist. Contour | 90 |
| Finish Grade | 95.33TA |
| Exist. Grade | 95.72TA |
| Ridge Line | R |
| Direction of Flow | |
| Existing Asphalt | |
| New Asphalt | |
| Heavy Duty Asphalt | |
| Concrete | |
| Open Face Curb & Gutter | |

Does water come from this location

There is a 18" pipe into a 24" pipe and then it is being reduced to a 12" Pipe??? Then another 12" pipe connecting.

Is this 12" Pipe large enough. Need letter from Pleasant View City.

What is the high water mark of the Detention area?

Would like to see some spot elevations in this area and TBC.

Is this high back curb?

Are there recorded easements on these utilities?

was this pipe included in the pass through amount in the storm drainage study.

I don't think that the sewer clean outs can be this far apart. Need to follow R-317-3-2 Sewers (2.6 Manholes) and 2009 International Plumbing Code.

What was the existing sewer from? Does it serve another area? Is there another connection at this point?

Are downspouts of the building connecting to the land drain?

if this is going to be a 15" pipe and a land drain discharging should the 12" pipe be upgraded?

The piping is different than shown on sheet 3 of the storm water study. Are the slopes on the pipes the same?? In reviewing the nodes on sheets 9&10. Update study to reflect actual pipe layout.

When this overflows what keeps it from sheeting to the south?

**Lot 8**
(UTA Parcel)
382,518 sq.ft.
8.781 Acres

Const. Building
8,455 Sq. Ft. (Footprint)
22,851 Sq. Ft. (Total)
FFE Upper=106.00
FFE Lower=98.00

M & M Storage LLC

30.0' Utility Easement

| REV. | DATE | DESCRIPTION |
|---|---|---|
| | | |


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North View Holdings LLC
2700 North Highway 89
Weber County, Utah

Overall Utility Plan

01 Mar, 2013

SHEET NO.
Util Overall

08N22252