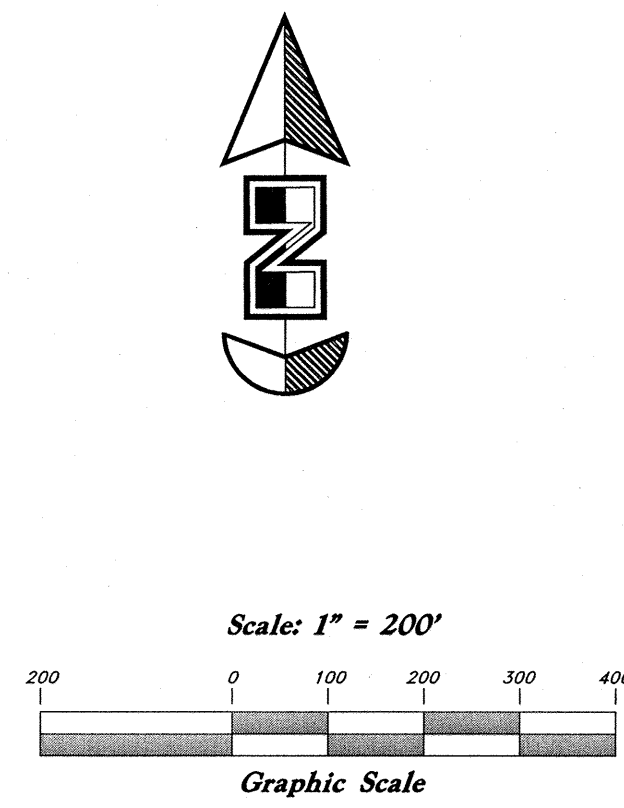
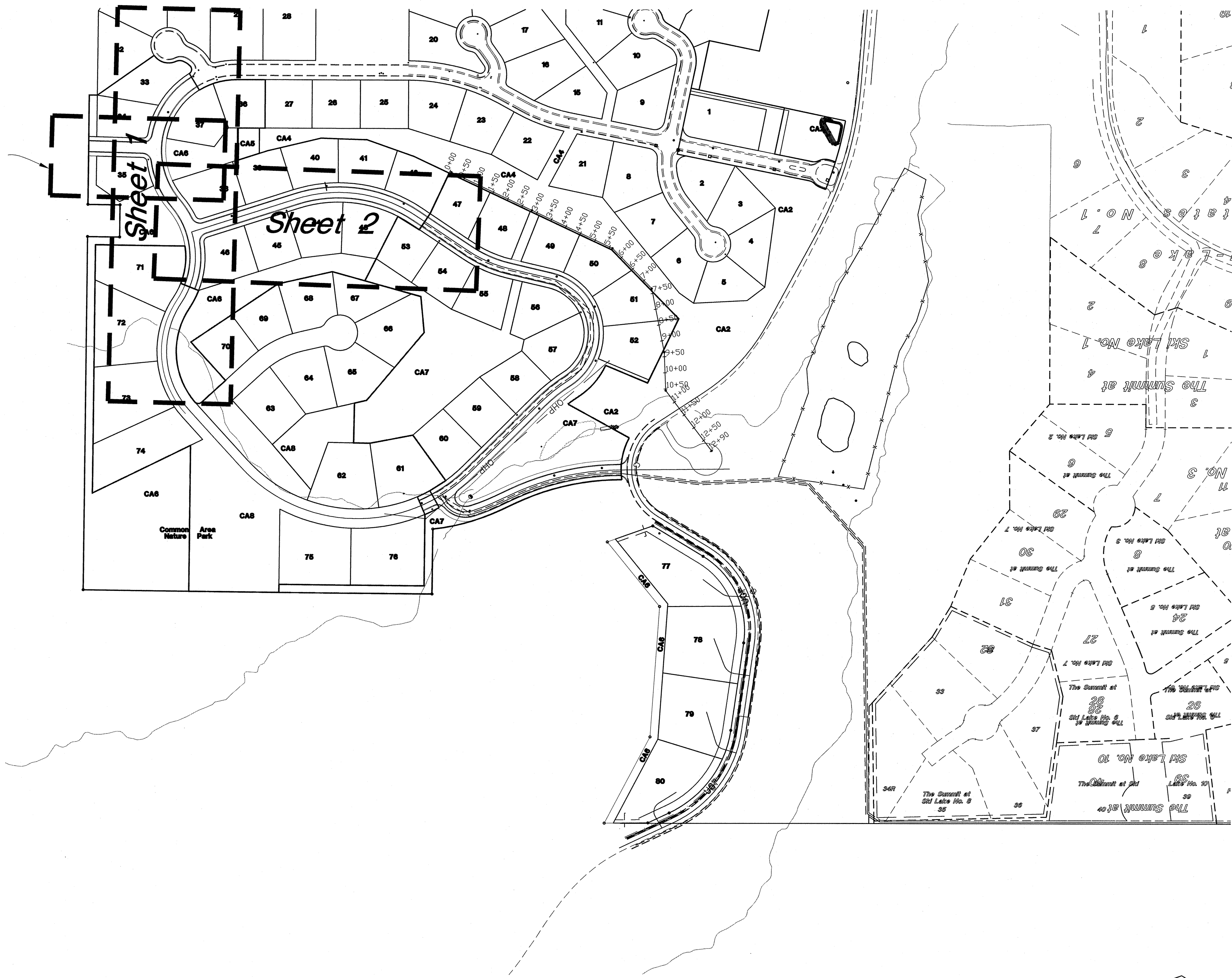


Sheet 3



Legend

- (Note: All items may not appear on drawing)
- San. Sewer Manhole
 - Water Manhole
 - Storm Drain Manhole
 - Electrical Manhole
 - Catch Basins
 - Exist. Fire Hydrant
 - Fire Hydrant
 - Exist. Water Valve
 - Water Valve
 - Sanitary Sewer
 - Culinary Water
 - Gas Line
 - Irrigation Line
 - Storm Drain
 - Telephone Line
 - Secondary Waterline
 - Power Line
 - Fire Line
 - Land Drain
 - Power pole w/guy
 - Power pole
 - Light Pole
 - Fence
 - Flowline of ditch
 - Overhead Power line
 - Corrugated Metal Pipe
 - Concrete Pipe
 - Reinforced Concrete Pipe
 - Ductile Iron
 - PVC
 - TA
 - EA
 - CL
 - FL
 - FF
 - TC
 - TWL
 - TW
 - TCH
 - NG
 - 90
 - 80
 - 95.537A
 - 95.725
 - R
 - Direction of Flow
 - Existing Asphalt
 - New Asphalt
 - Heavy Duty Asphalt
 - Concrete
 - Open Face
 - Curb & Gutter

REV	DATE	DESCRIPTION

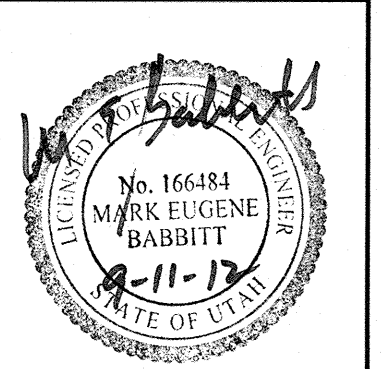
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Key Map

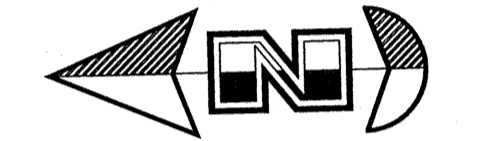
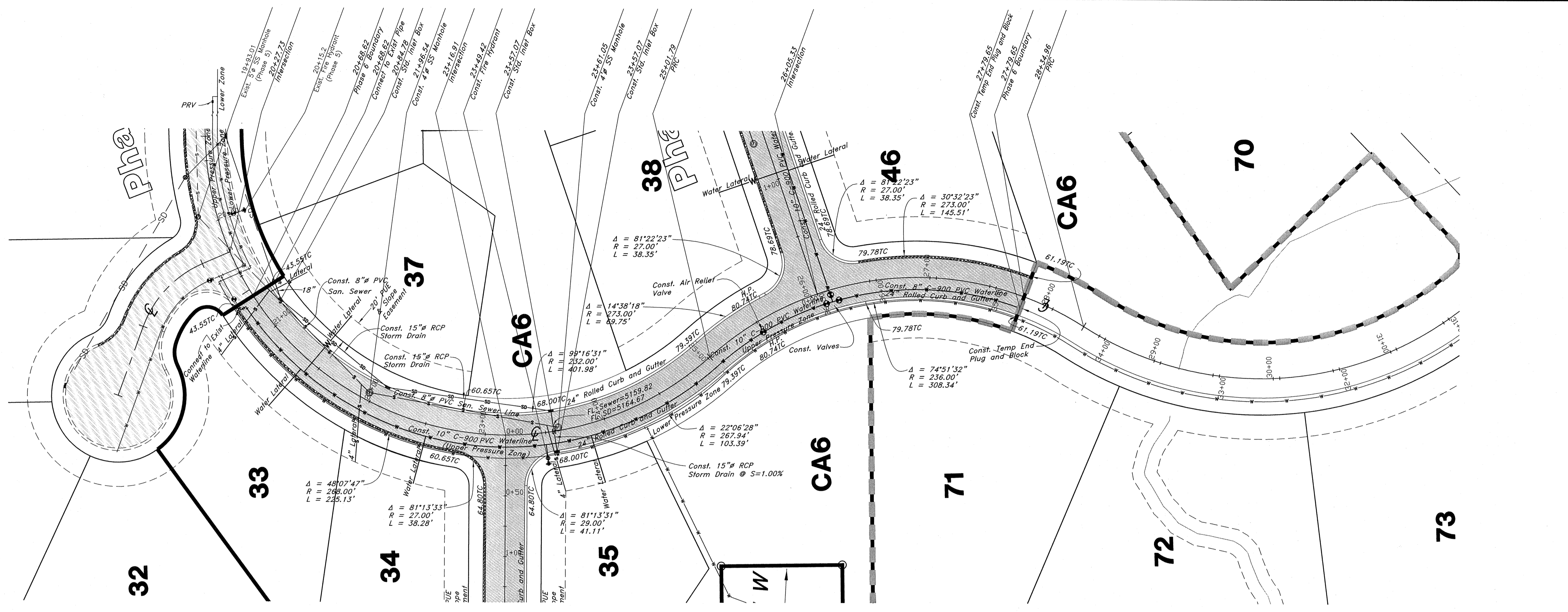
The Chalets at Ski Lake No. 6

A part of the Southwest 1/4 of Section 13, a part of the Northeast 1/4 of Section 23, and a part of the Northwest 1/4 of Section 24, 10th, RTE, SE&M, U.S. Survey.

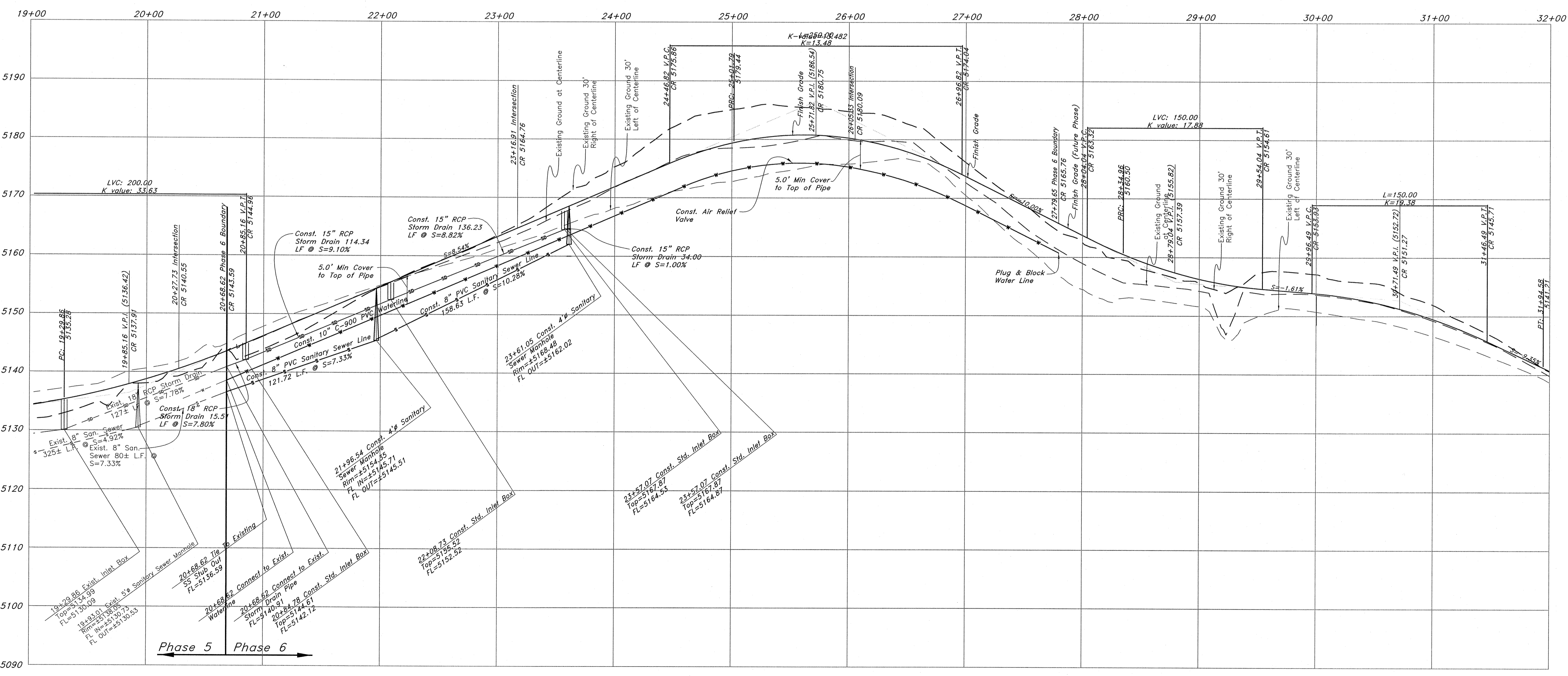
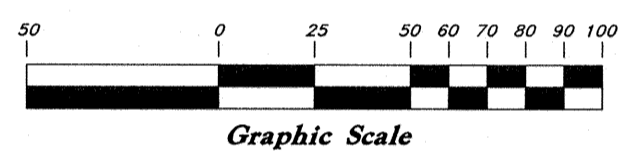


Jan, 2012

SHEET NO. **KM**



Vertical Scale: 1" = 10'
Horizontal Scale: 1" = 50'



Legend

- (Note: All items may not appear on drawing)
- San. Sewer Manhole
 - Water Manhole
 - Storm Drain Manhole
 - Electrical Manhole
 - Catch Basins
 - Exist. Fire Hydrant
 - Exist. Water Valve
 - Water Valve
 - Sanitary Sewer
 - Culinary Water
 - Gas Line
 - Irrigation Line
 - Storm Drain
 - Telephone Line
 - Secondary Waterline
 - Power Line
 - Fire Line
 - Land Drain
 - Power pole
 - Power pole w/guy
 - Light Pole
 - Fence
 - Flowline of ditch
 - Overhead Power line
 - Corrugated Metal Pipe
 - Concrete Pipe
 - Reinforced Concrete Pipe
 - Ductile Iron
 - Polyvinyl Chloride
 - Top of Asphalt
 - Edge of Asphalt
 - Centerline
 - Flowline
 - Finish Floor
 - Top of Curb
 - Top of Wall
 - Top of Walk
 - Top of Concrete
 - Natural Ground
 - Finish Contour
 - Exist. Contour
 - Finish Grade
 - Exist. Grade
 - Ridge Line
 - Direction of Flow
 - Existing Asphalt
 - New Asphalt
 - Heavy Duty Asphalt
 - Concrete
 - Open Face Curb & Gutter

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Plan / Profile (Utility)

The Chalets at Ski Lake No. 6

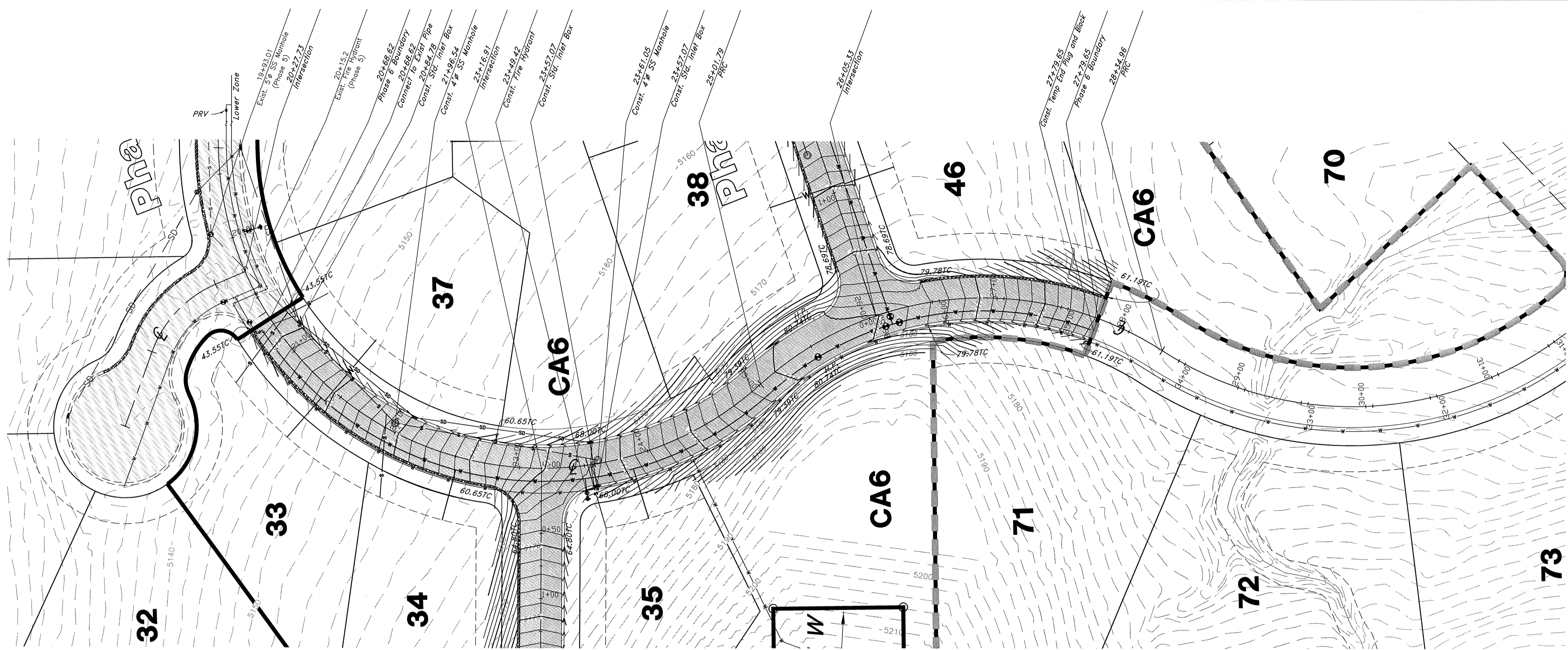
A part of the Southwest 1/4 of Section 13, a part of the Northeast 1/4 of Section 23, and a part of the Northwest 1/4 of Section 24, T6N, R1E, S16&M, U.S. Survey



Jan, 2012

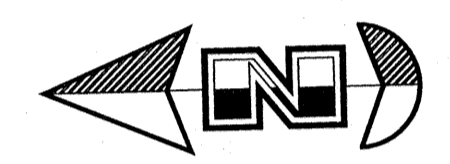
SHEET NO. **1**

96N120 Waterline

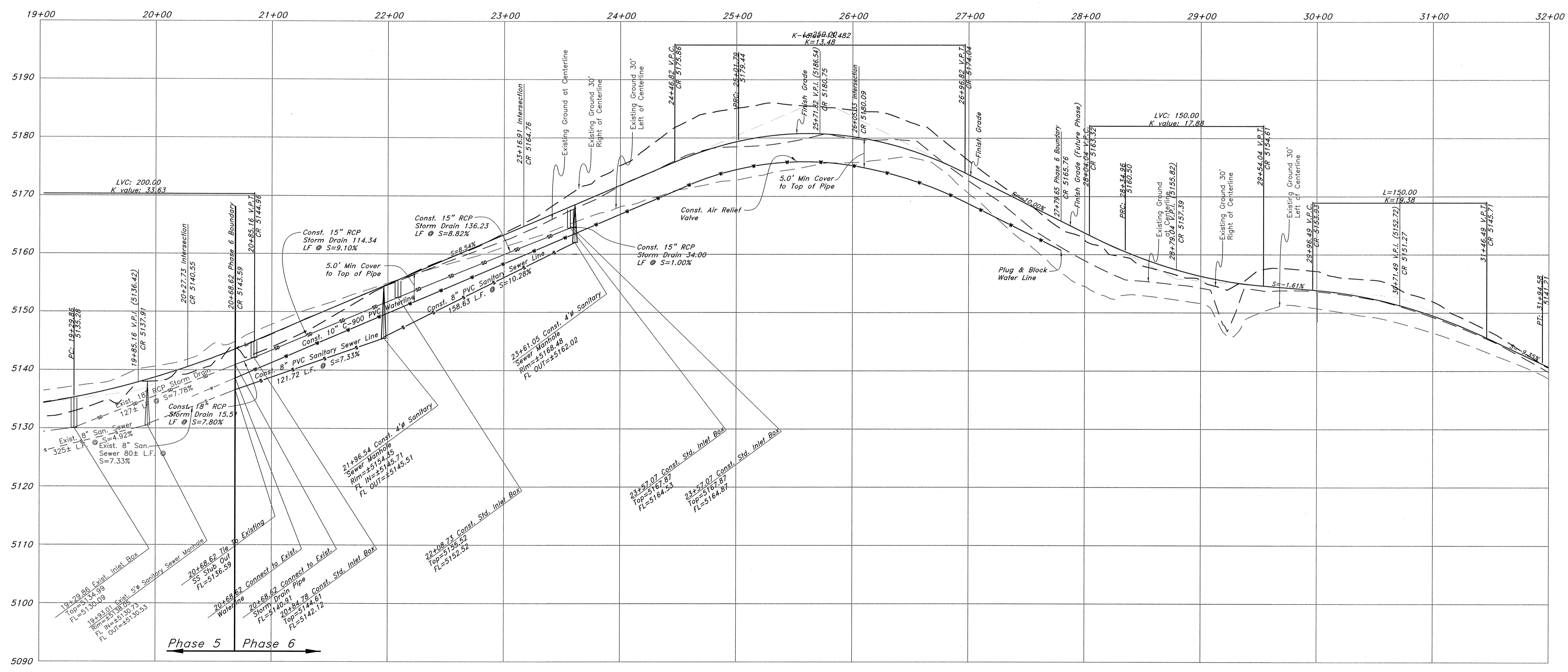
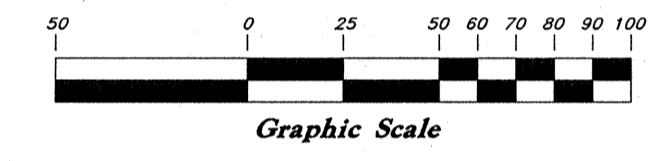


Quail Lane

Benchmark: Monument at Intersection of Quail Lane and Meadow Lark Lane
Elevation: 5022.34



Vertical Scale: 1" = 10'
Horizontal Scale: 1" = 50'



Legend

- (Note: All items may not appear on drawing)
- San. Sewer Manhole
 - Water Manhole
 - Storm Drain Manhole
 - Electrical Manhole
 - Catch Basins
 - Exist. Fire Hydrant
 - Exist. Water Valve
 - Water Valve
 - Sanitary Sewer
 - Gas Line
 - Irrigation Line
 - Storm Drain
 - Telephone Line
 - Secondary Waterline
 - Power Line
 - Fire Line
 - Land Drain
 - Power pole
 - Power pole w/guy
 - Light Pole
 - Fence
 - Flowline of ditch
 - Overhead Power line
 - CMP
 - CMP
 - CP
 - RCP
 - PVC
 - TA
 - EA
 - CL
 - FL
 - FF
 - TC
 - TWL
 - JW
 - NG
 - 90
 - 90
 - 95.337A
 - 95.727A
 - R
 - Existing Asphalt
 - New Asphalt
 - Heavy Duty Asphalt
 - Concrete
 - Open Face
 - Curb & Gutter

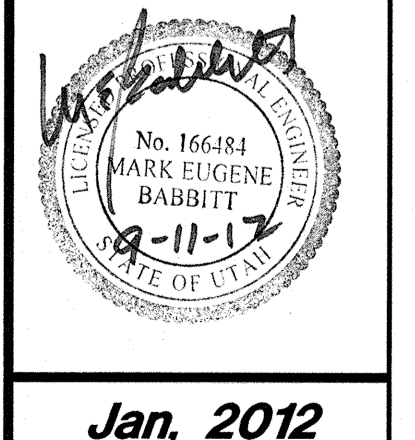
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Plan / Profile (Grading)

The Chalets at Ski Lake No. 6

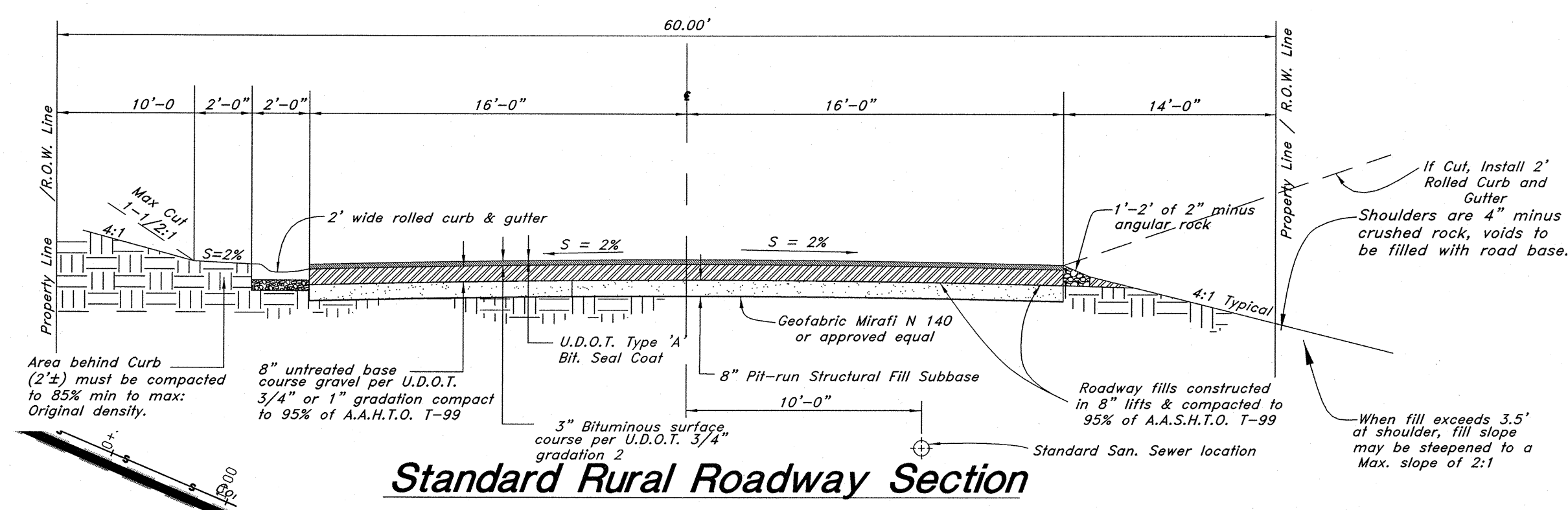
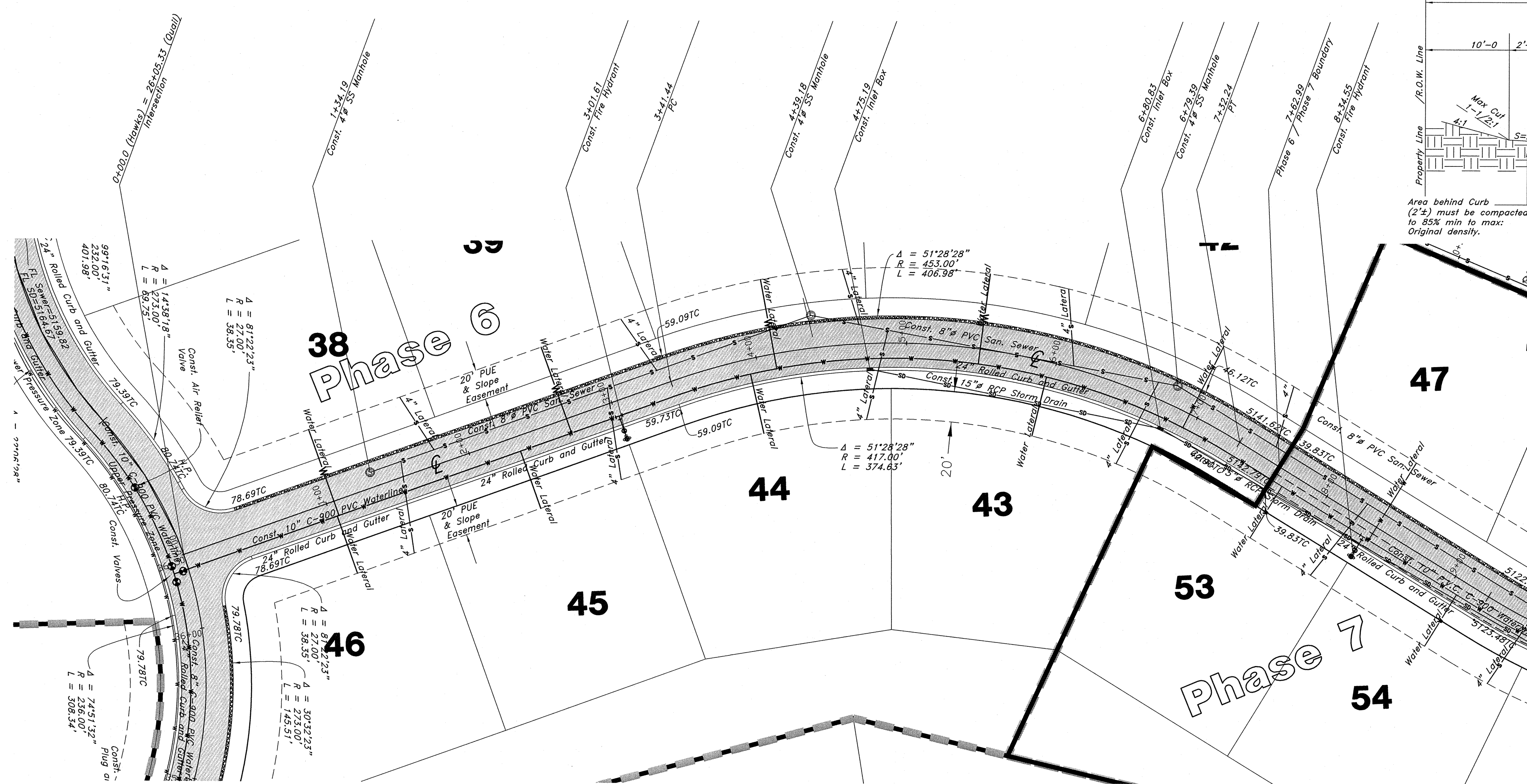
A part of the Southwest 1/4 of Section 13, a part of the Northeast 1/4 of Section 24, 1/4 of Section 23, and a part of the Northwest 1/4 of Section 24, T6N, R1E, S16W, U.S. Survey.



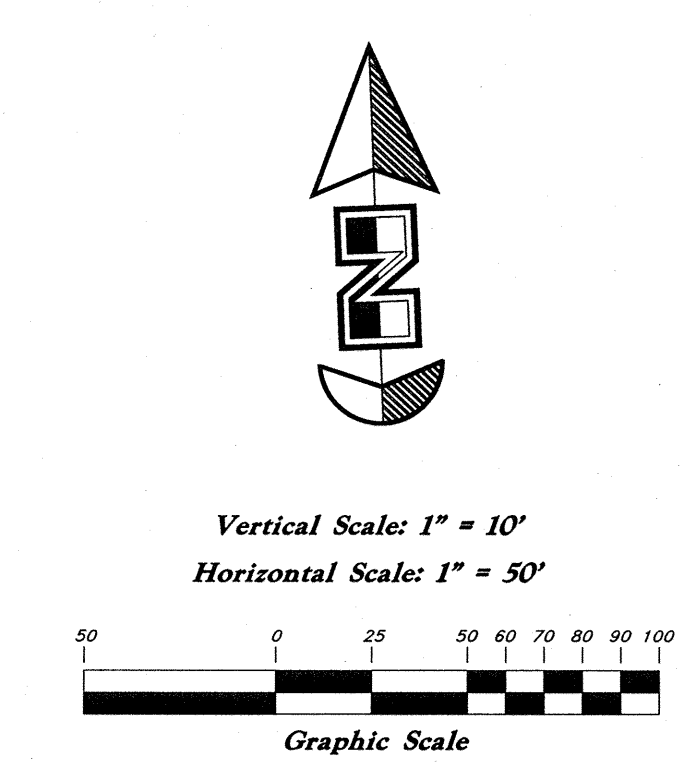
Jan, 2012

SHEET NO. **1a**

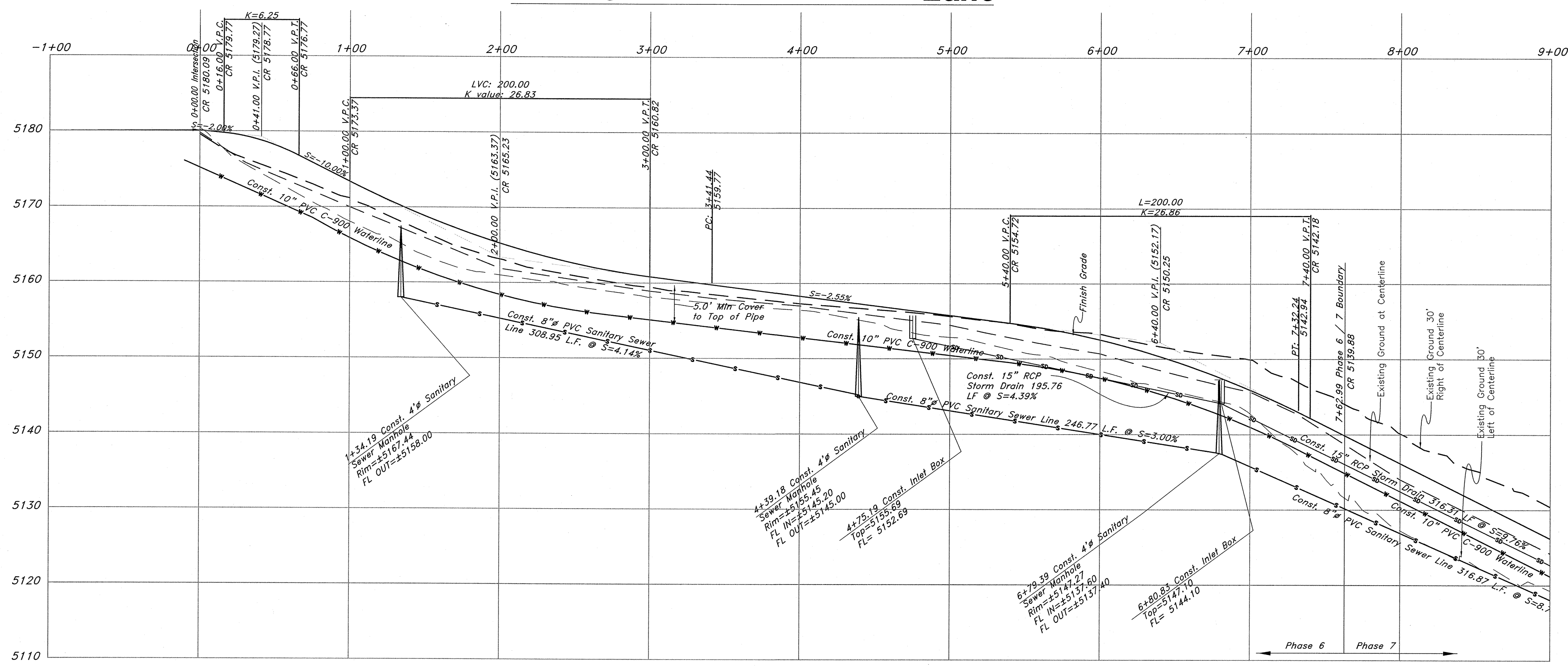
96N120 Waterline



NOTE: TO PREVENT SOIL EROSION, PROTECT STEEP SLOPES WITH HYDROSEEDING OR EROSION CONTROL BLANKETS.



Hawks Lane



Legend

- San. Sewer Manhole
- Water Manhole
- Storm Drain Manhole
- Electrical Manhole
- Catch Basins
- Exist. Fire Hydrant
- Fire Hydrant
- Exist. Water Valve
- Water Valve
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- Fire Line
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- Power pole w/guy
- Light Pole
- Fence
- Flowline of ditch
- Overhead Power line
- Corrugated Metal Pipe
- Concrete Pipe
- Reinforced Concrete Pipe
- Ductile Iron
- Polyvinyl Chloride
- Top of Asphalt
- TA
- EA
- CL
- FL
- FF
- TC
- TW
- TN
- NC
- 90
- 95.33TA
- 95.72TA
- R
- Direction of Flow
- Existing Asphalt
- New Asphalt
- Heavy Duty Asphalt
- Concrete
- Open Face
- Curb & Gutter

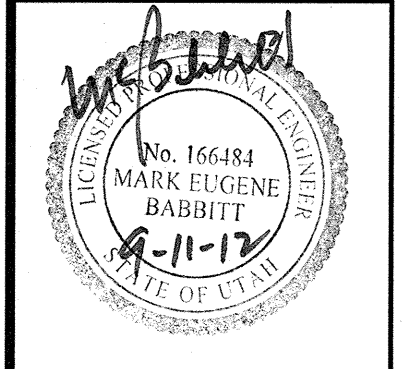
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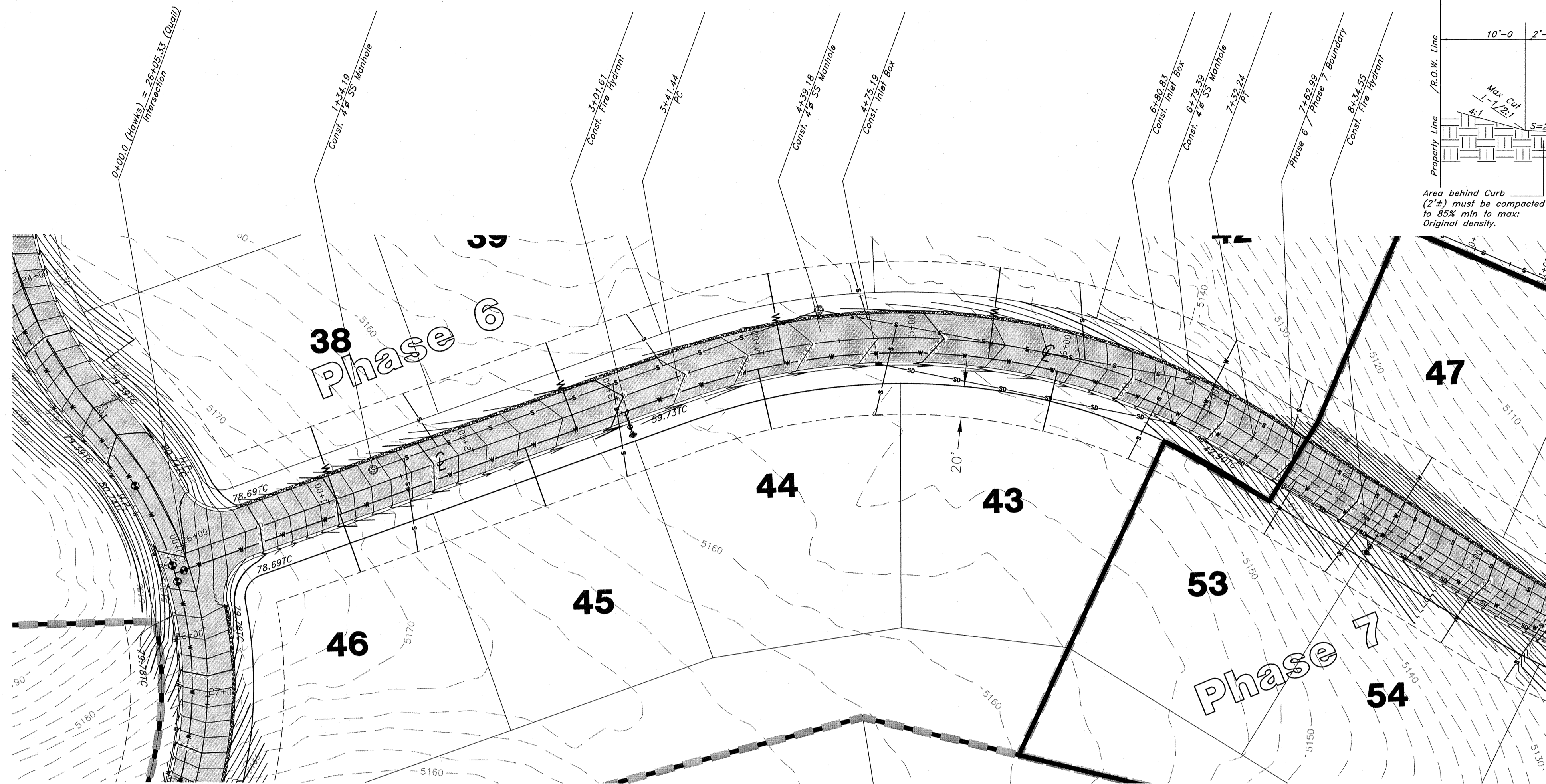
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Plan / Profile (Utility)

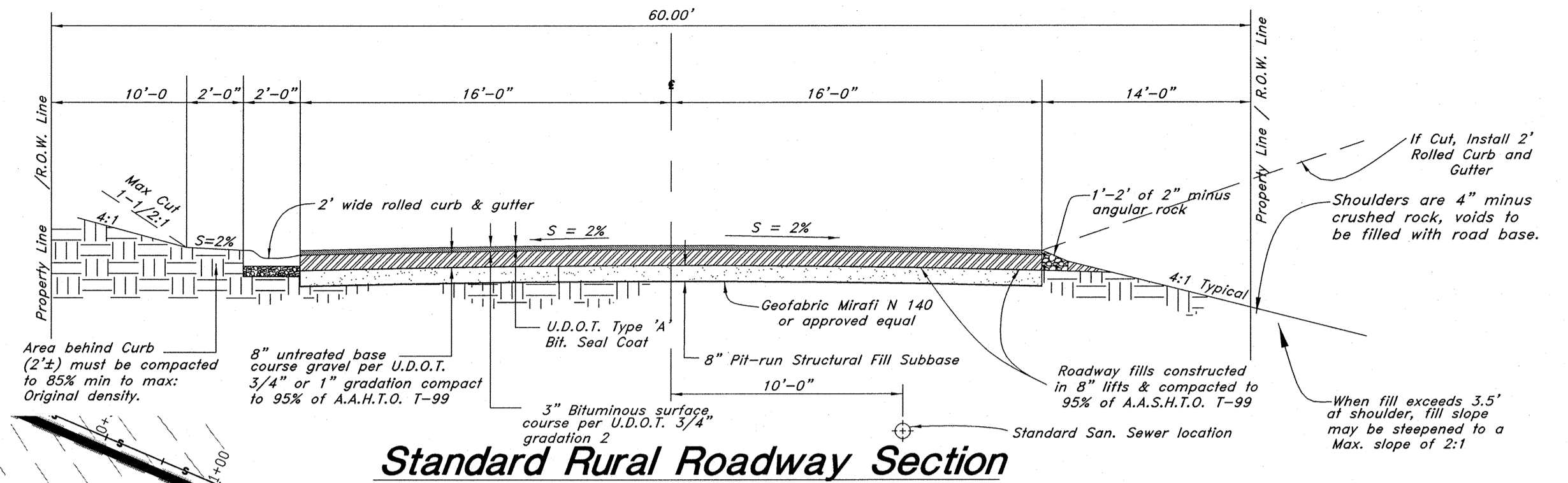
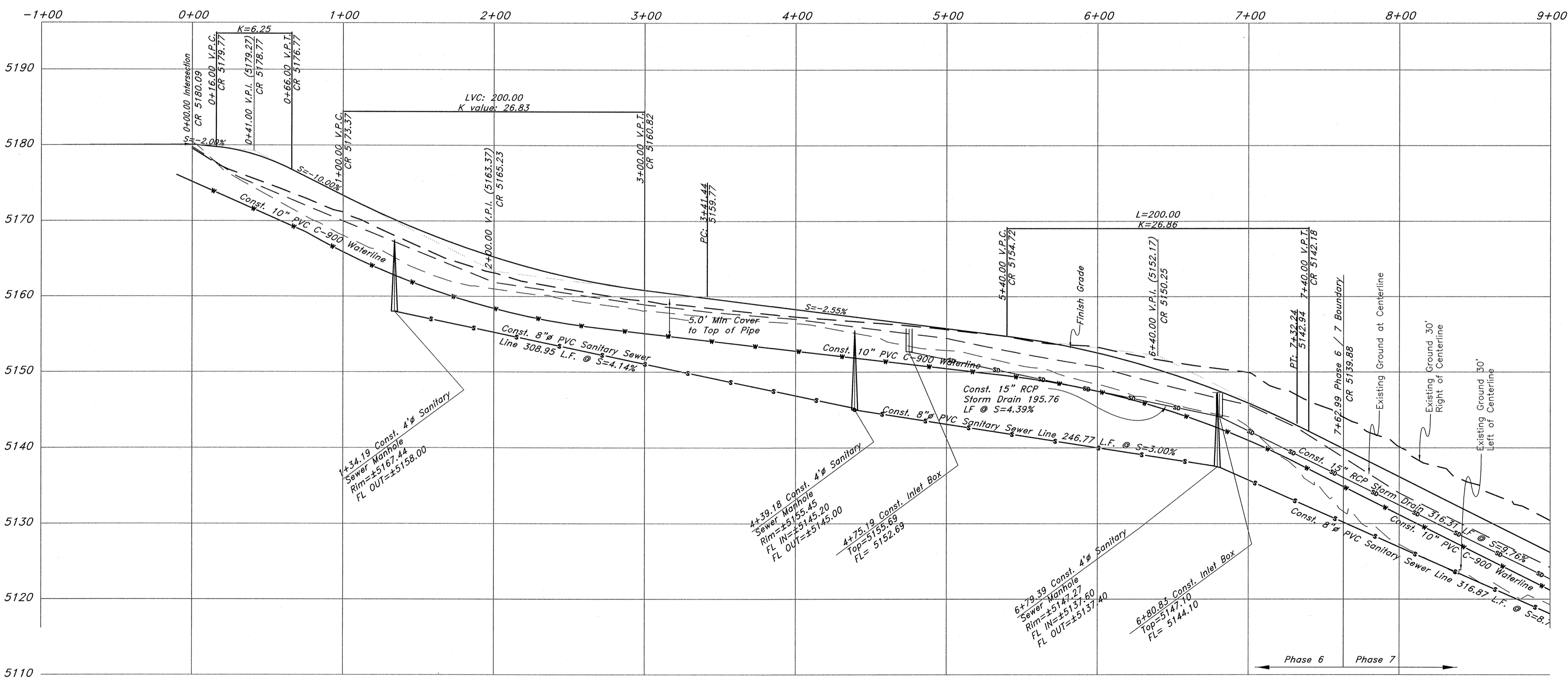
The Chalets at Ski Lake No. 6

A part of the Southwest 1/4 of Section 13, a part of the Northeast 1/4 of Section 24, 1/4 of Section 23, and a part of the Northwest 1/4 of Section 24, T6N, R1E, S16&M, U.S. Survey



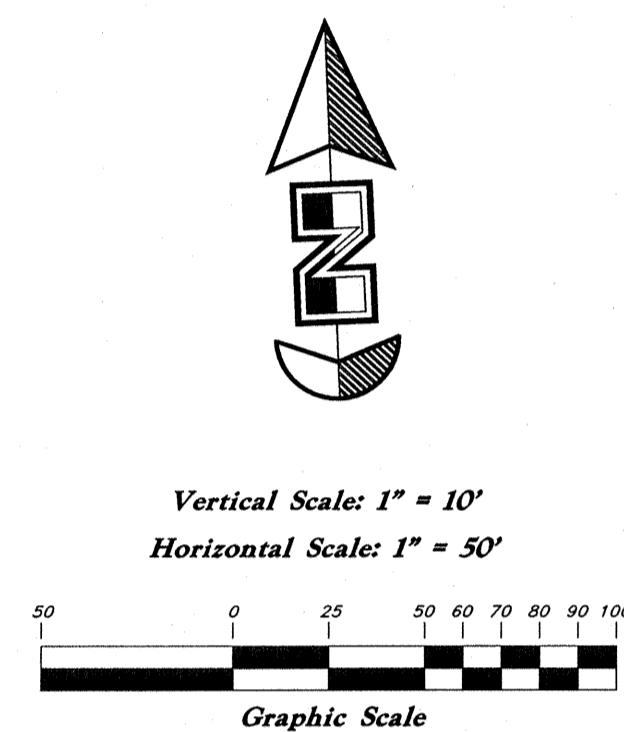


Hawks Lane



Standard Rural Roadway Section

NOTE: TO PREVENT SOIL EROSION, PROTECT STEEP SLOPES WITH HYDROSEEDING OR EROSION CONTROL BLANKETS.



Legend

- (Note: All items may not appear on drawing)
- San. Sewer Manhole
 - Water Manhole
 - Storm Drain Manhole
 - Electrical Manhole
 - Catch Basins
 - Exist. Fire Hydrant
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 - Power pole w/guy
 - Light Pole
 - Fence
 - Flowline of ditch
 - Overhead Power line
 - Corrugated Metal Pipe
 - Concrete Pipe
 - Reinforced Concrete Pipe
 - Ductile Iron
 - Polyvinyl Chloride
 - Top of Asphalt
 - Edge of Asphalt
 - Centerline
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 - Finish Floor
 - Top of Curb
 - Top of Wall
 - Top of Walk
 - Top of Concrete
 - Natural Ground
 - Finish Contour
 - Exist. Contour
 - 95.337A
 - 95.727A
 - Exist. Grade
 - Ridge Line
 - Direction of Flow
 - Existing Asphalt
 - New Asphalt
 - Heavy Duty Asphalt
 - Concrete
 - Open Face
 - Curb & Gutter

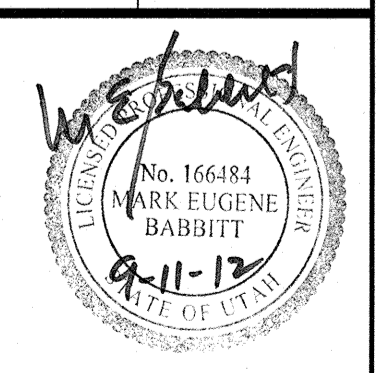
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Plan / Profile (Grading)

The Chalets at Ski Lake No. 6

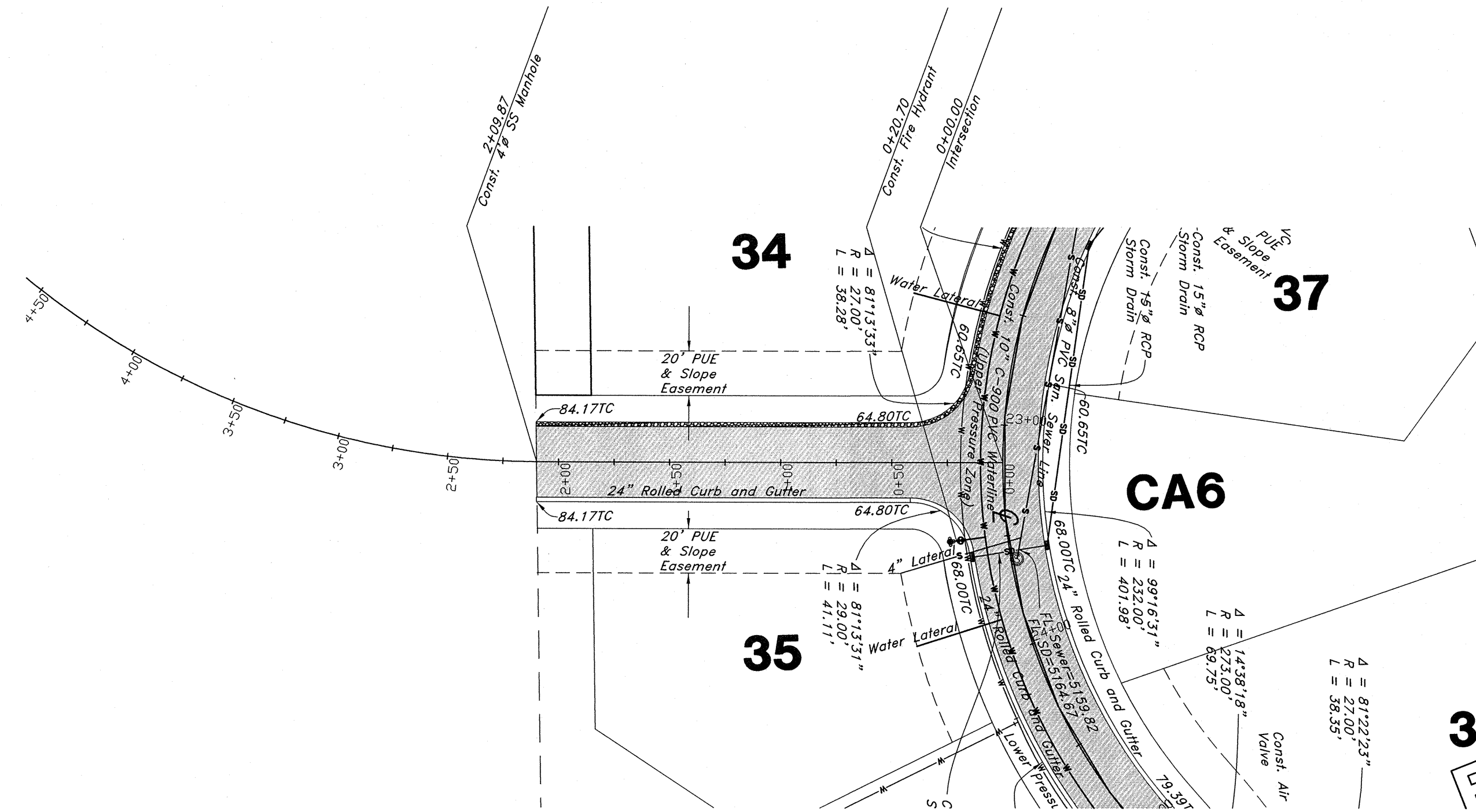
A part of the Southwest 1/4 of Section 13, a part of the Northeast 1/4 of Section 23, and a part of the Northwest 1/4 of Section 24, T6N, R1E, S16&M, U.S. Survey



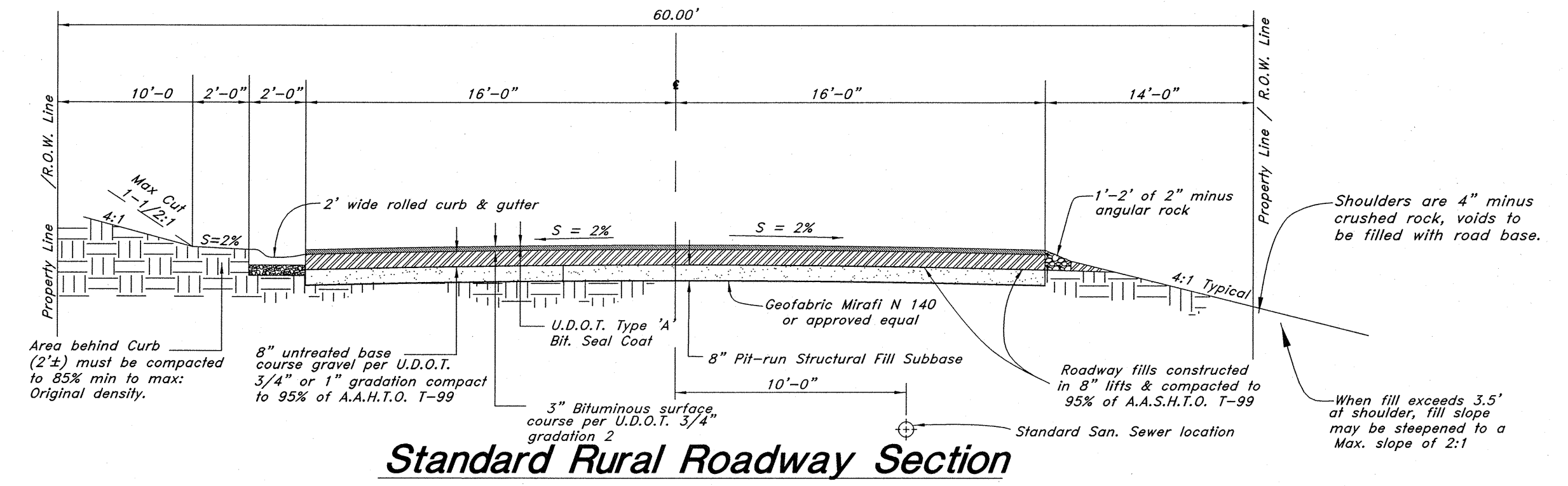
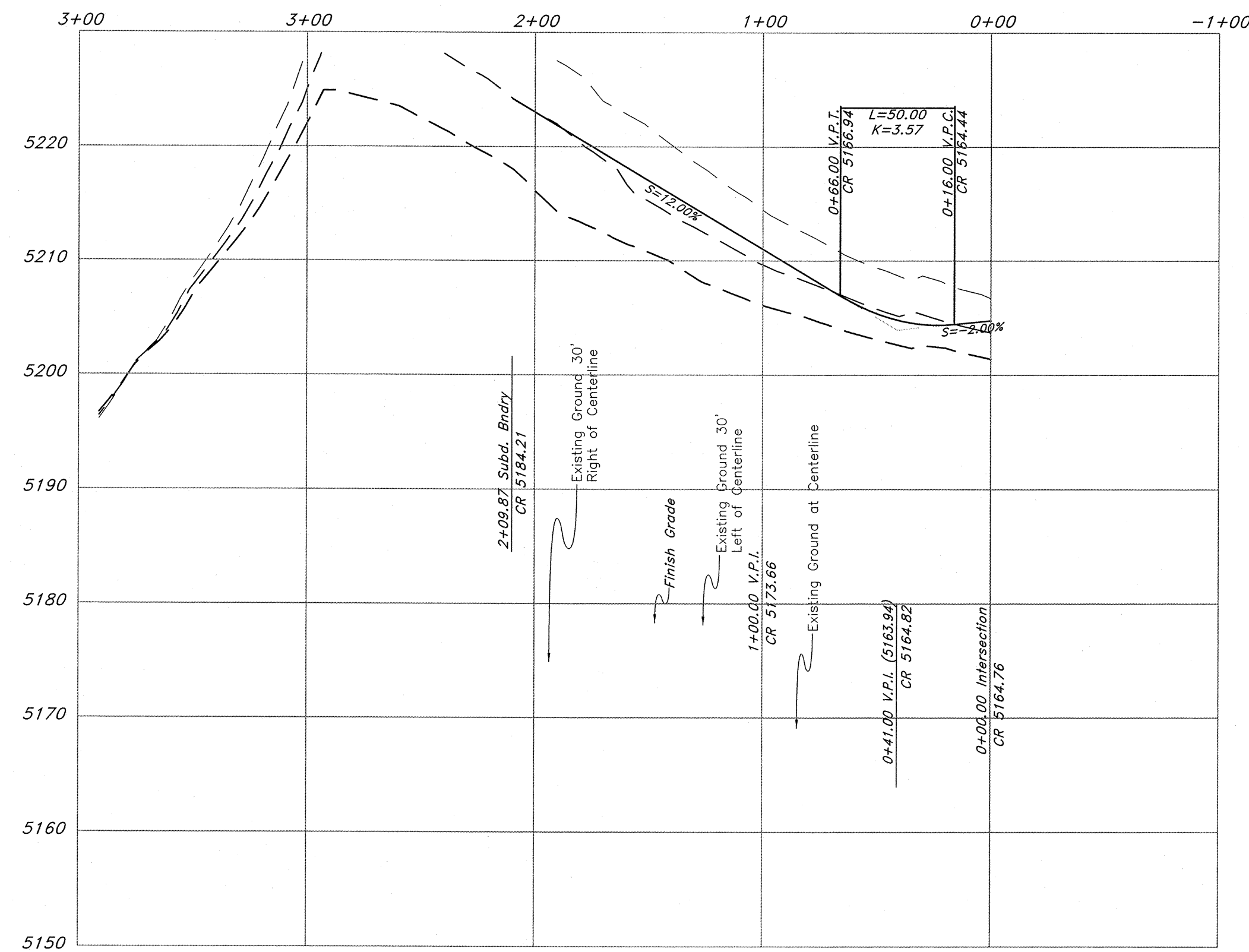
Jan, 2012

SHEET NO. **2a**

96N120 Waterline



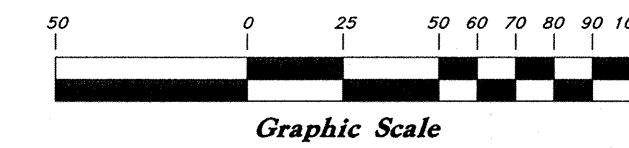
Night Hawk Road



Standard Rural Roadway Section



Vertical Scale: 1" = 10'
Horizontal Scale: 1" = 50'



Legend

- (Note: All items may not appear on drawing)
- San. Sewer Manhole
 - Water Manhole
 - Storm Drain Manhole
 - Electrical Manhole
 - Catch Basins
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 - Fire Hydrant
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 - Water Valve
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 - Fence
 - Flowline of ditch
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 - Corrugated Metal Pipe
 - Concrete Pipe
 - Reinforced Concrete Pipe
 - Ductile Iron
 - Polyvinyl Chloride
 - Top of Asphalt
 - EA
 - CL
 - Centerline
 - Flowline
 - Finish Floor
 - Top of Curb
 - Top of Wall
 - Top of Walk
 - Top of Concrete
 - Natural Ground
 - Finish Contour
 - Exist. Contour
 - Finish Grade
 - Exist. Grade
 - Ridge Line
 - Direction of Flow
 - Existing Asphalt
 - New Asphalt
 - Heavy Duty Asphalt
 - Concrete
 - Open Face
 - Curb & Gutter

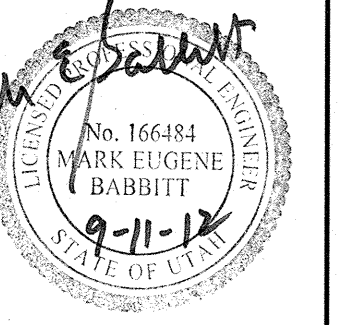
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Plan / Profile (Utility)

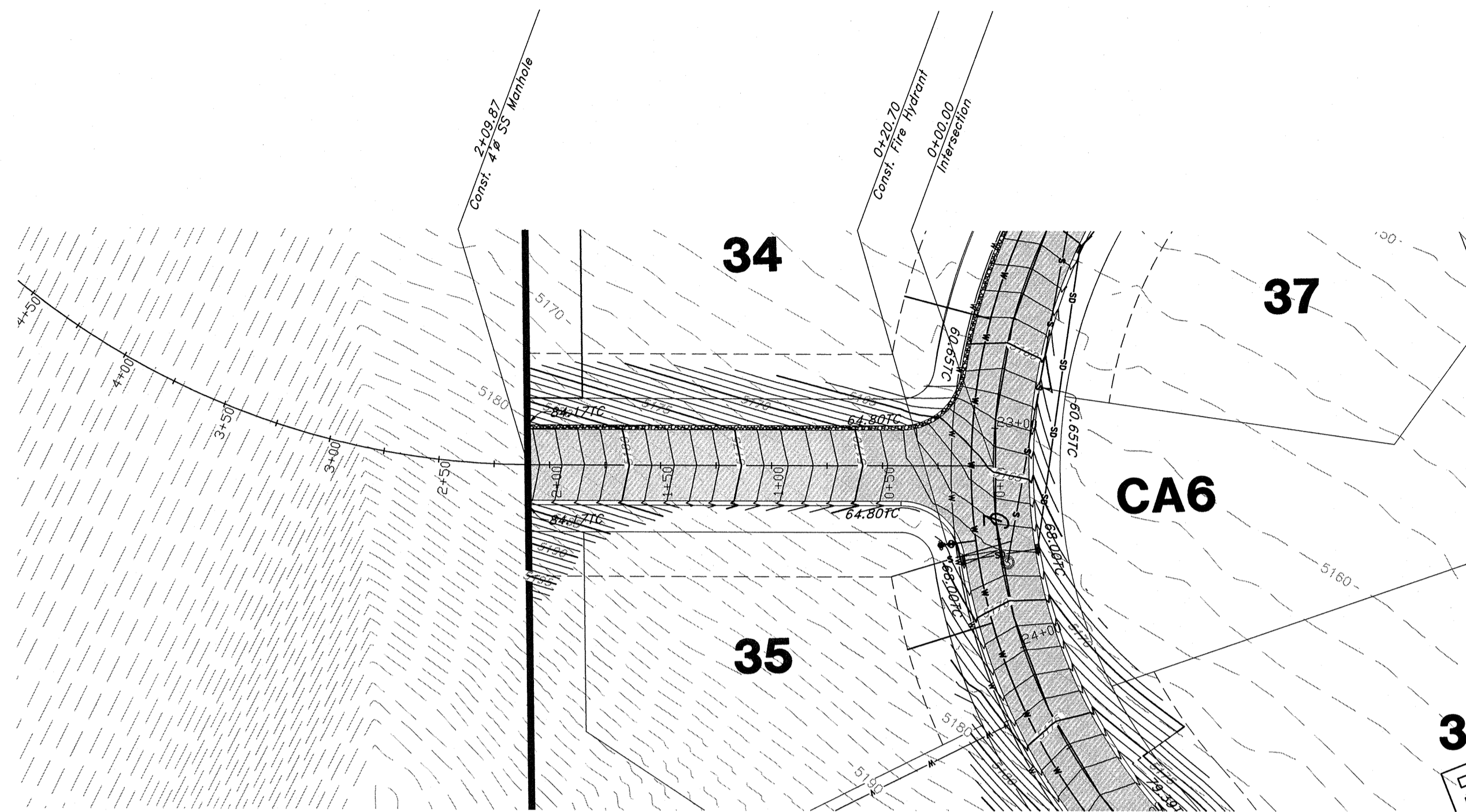
The Chalets at Ski Lake No. 6

A part of the Southwest 1/4 of Section 13, a part of the Northeast 1/4 of Section 23, and a part of the Northwest 1/4 of Section 24, T6N, R1E, S18&M, U.S. Survey

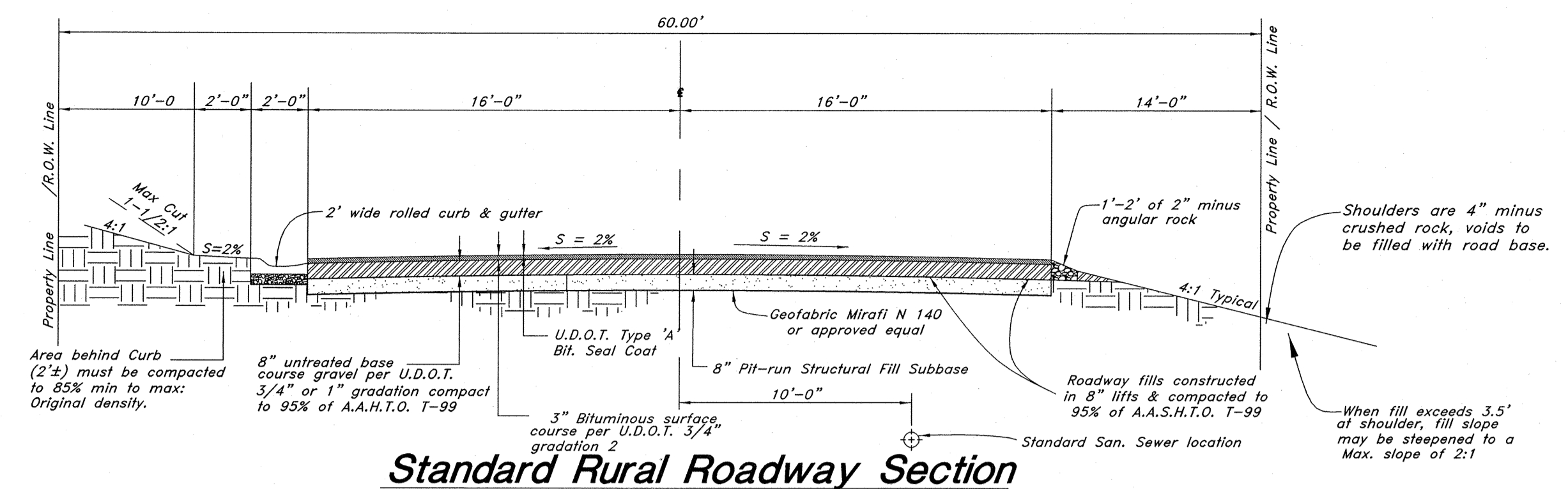
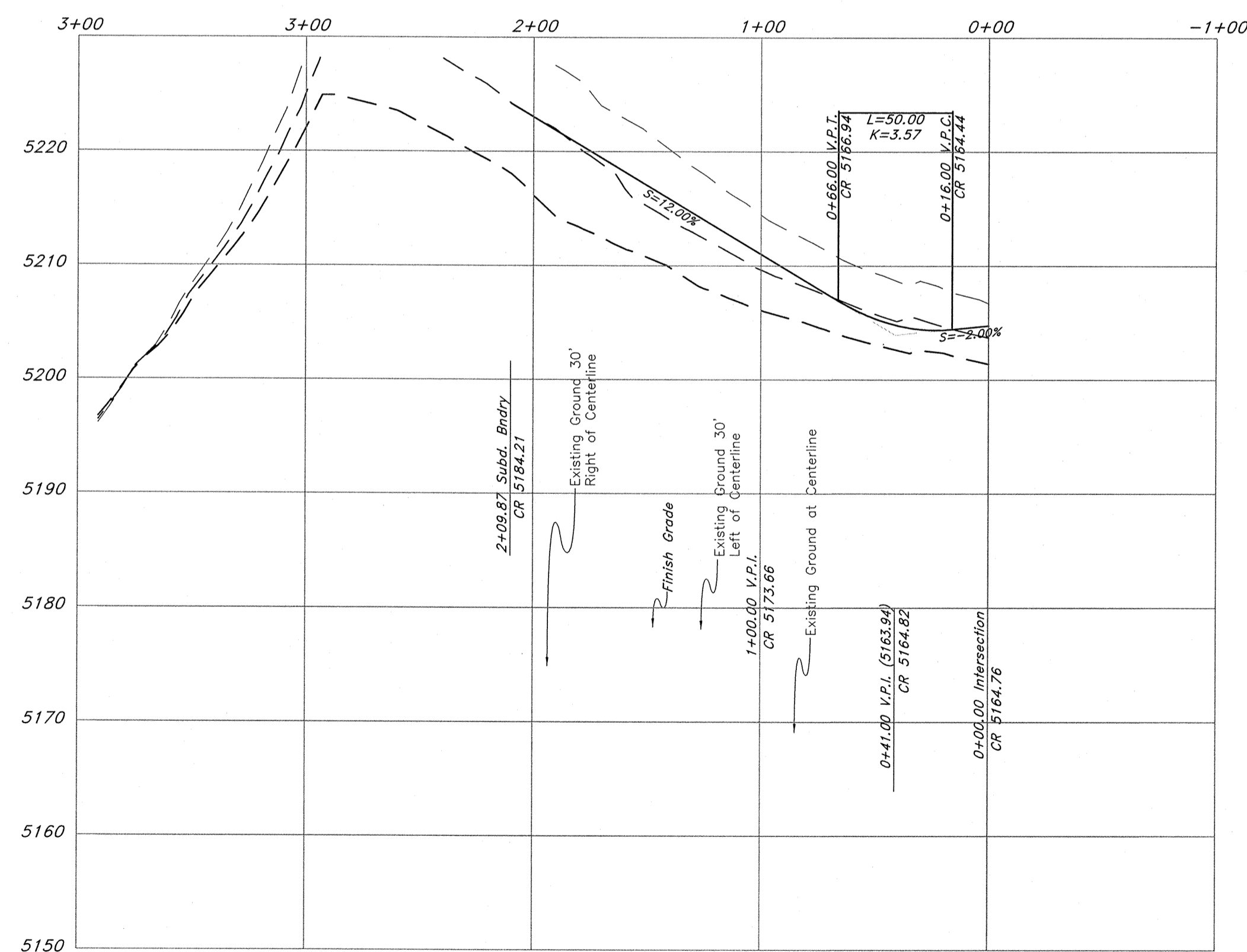


Jan, 2012

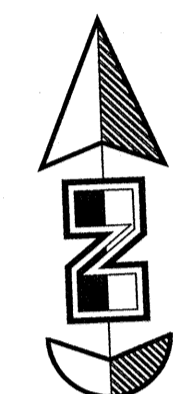
SHEET NO. **3**



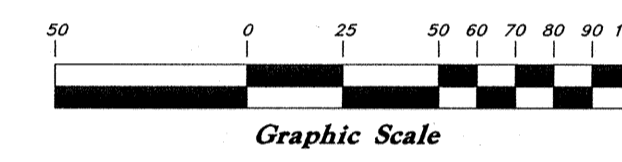
Nighthawk Road



Standard Rural Roadway Section



Vertical Scale: 1" = 10'
Horizontal Scale: 1" = 50'



Legend

- (Note: All items may not appear on drawing)
- San. Sewer Manhole
 - Water Manhole
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 - Fire Hydrant
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 - Fence
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 - Exist. Contour
 - Finish Grade
 - Exist. Grade
 - Ridge Line
 - Direction of Flow
 - Existing Asphalt
 - New Asphalt
 - Heavy Duty Asphalt
 - Concrete
 - Open Face
 - Curb & Gutter

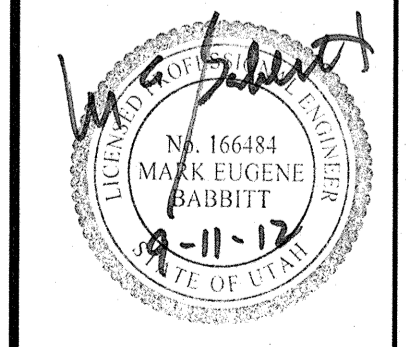
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Plan / Profile (Grading)

The Chalets at Ski Lake No. 6

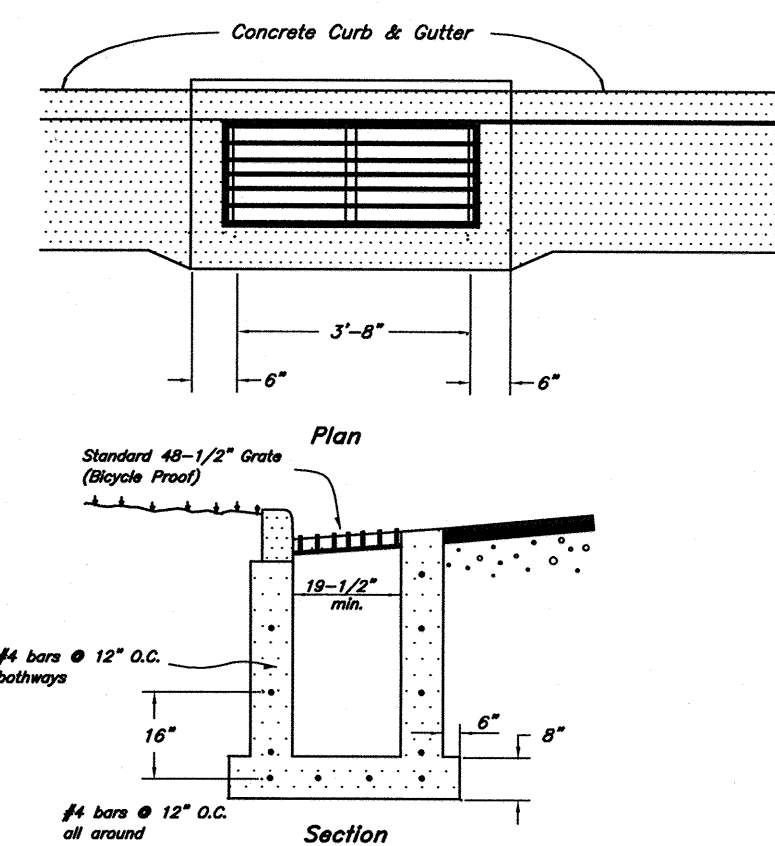
A part of the Southwest 1/4 of Section 13, a part of the Northeast 1/4 of Section 24, 1/4 of Section 23, and a part of the Northwest 1/4 of Section 24, T6N, R1E, S188M, U.S. Survey



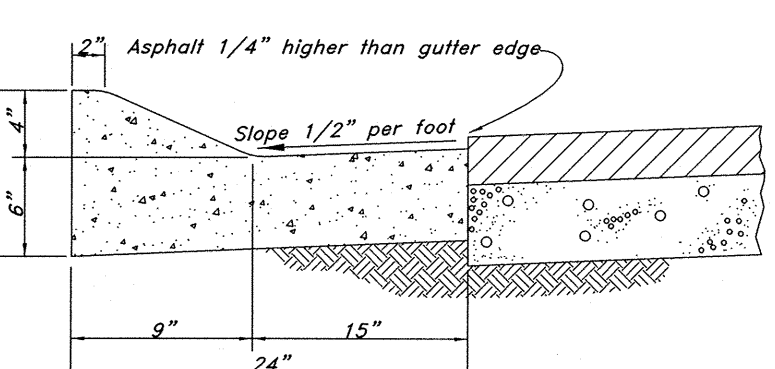
Jan, 2012

SHEET NO. **3a**

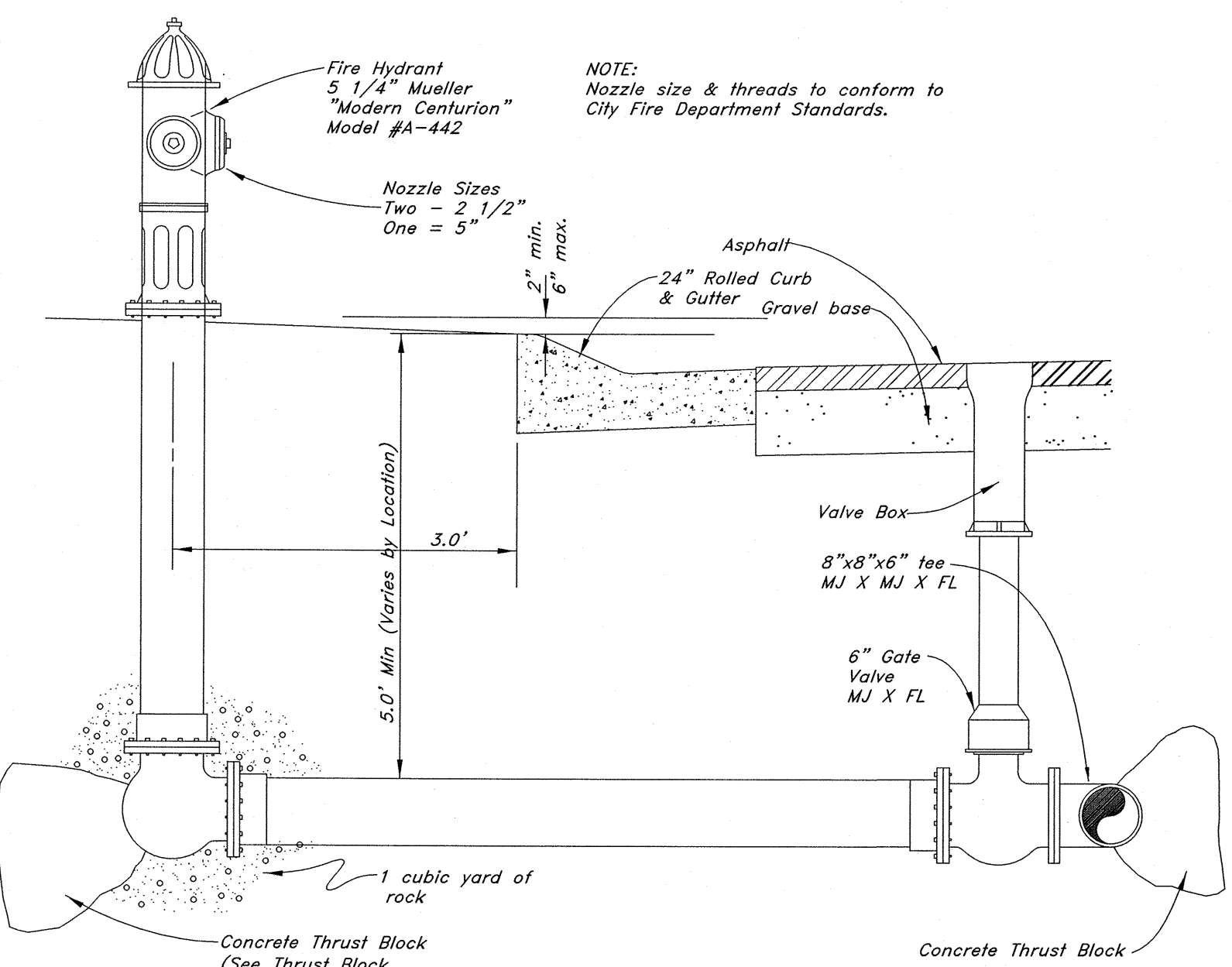
96N120 Waterline



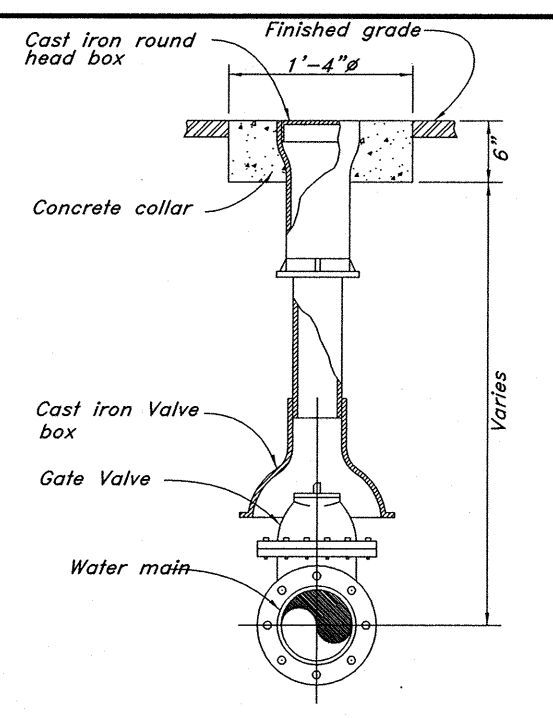
1 Typical Inlet Box
Not to Scale



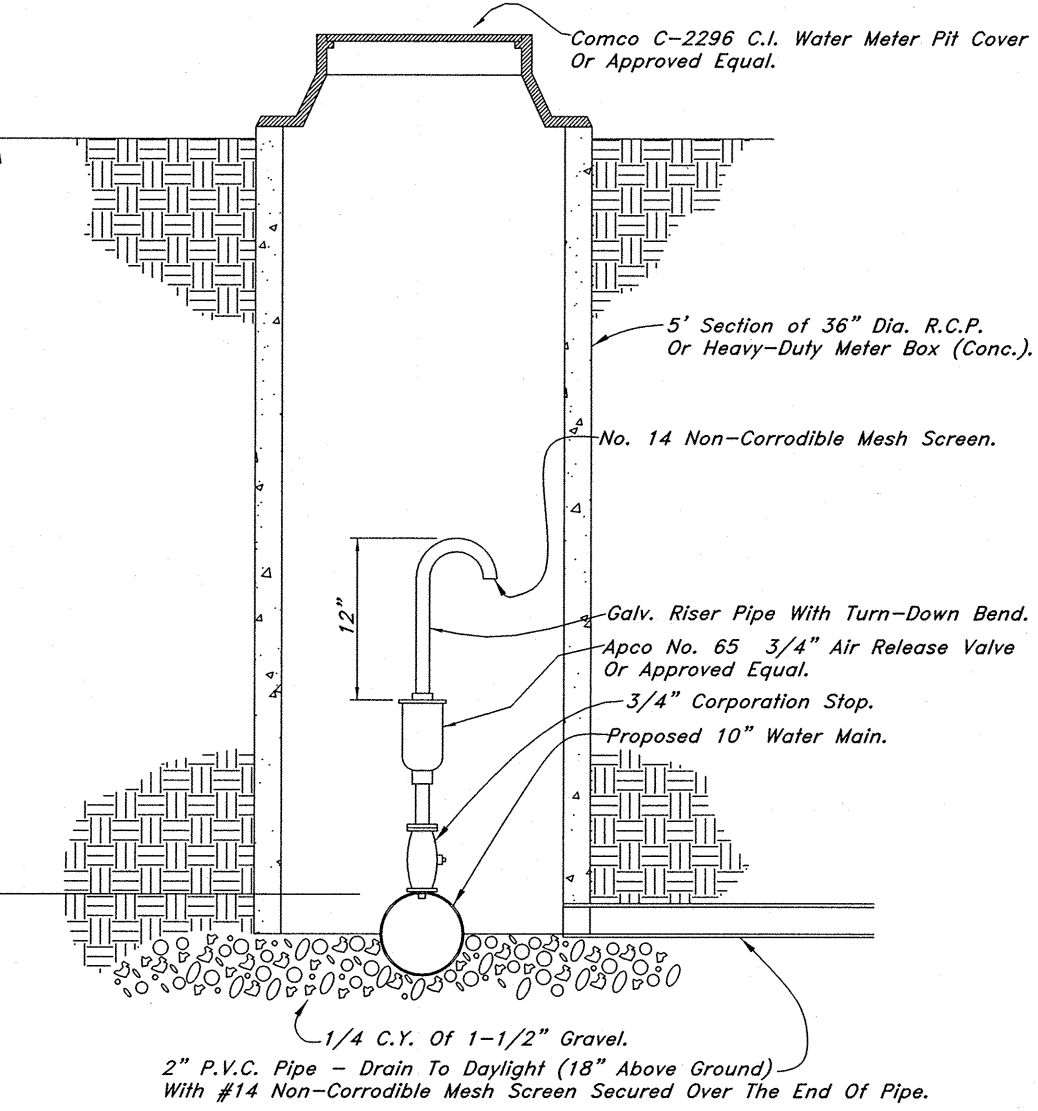
2 Typical 24" Std. Rolled Curb and Gutter
Not to Scale



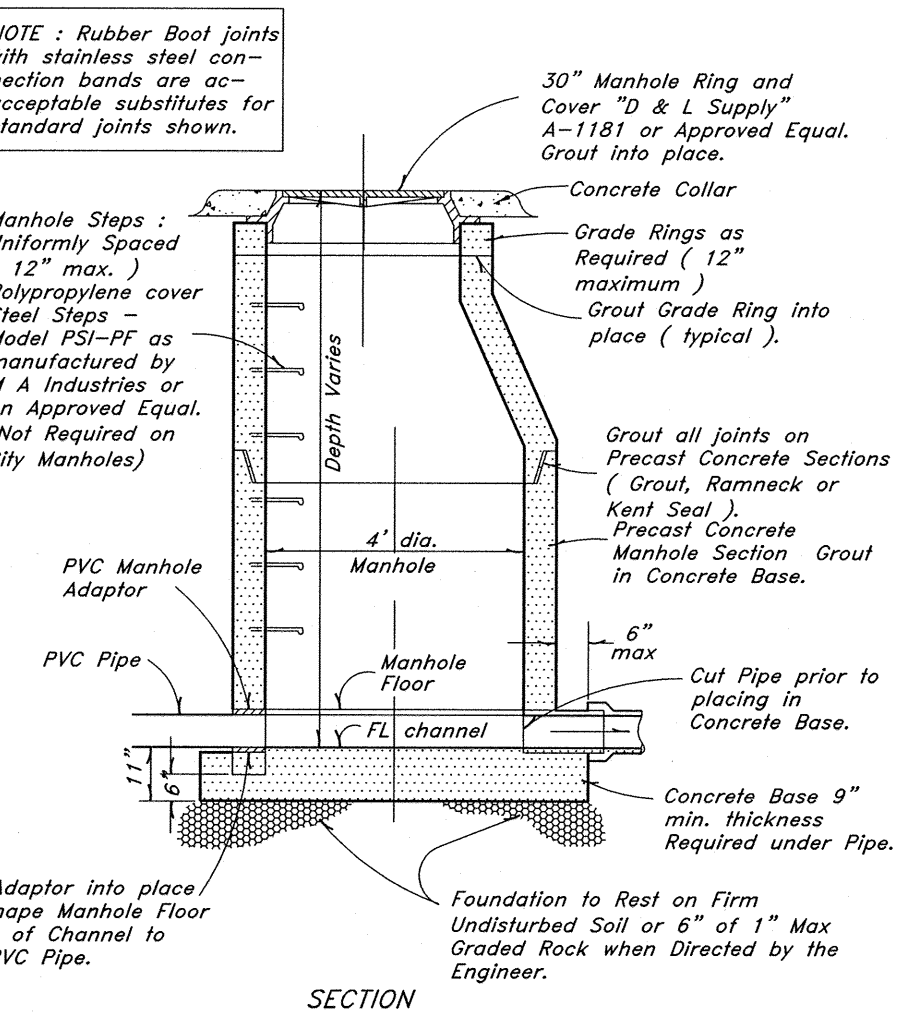
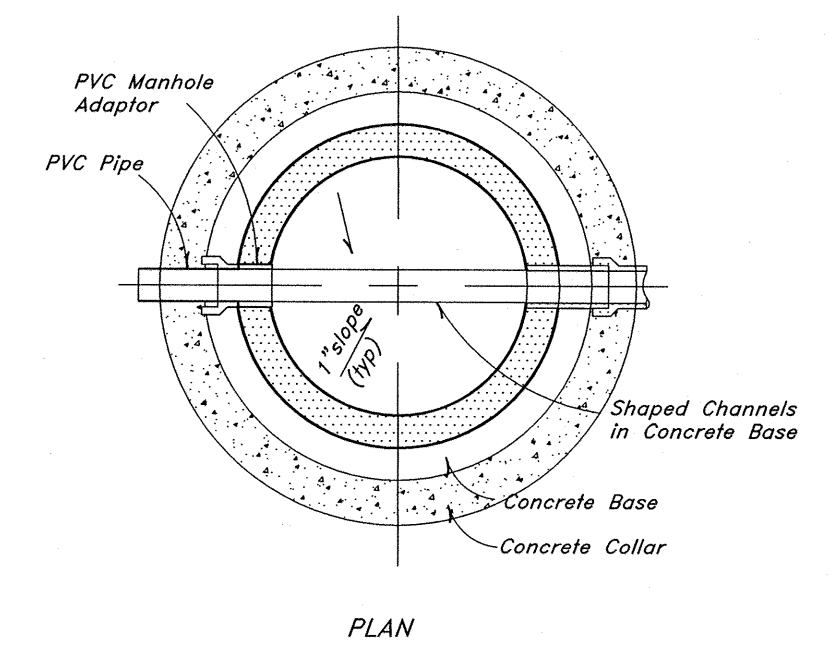
3 Typical Fire Hydrant & Valve Connection
Not to Scale



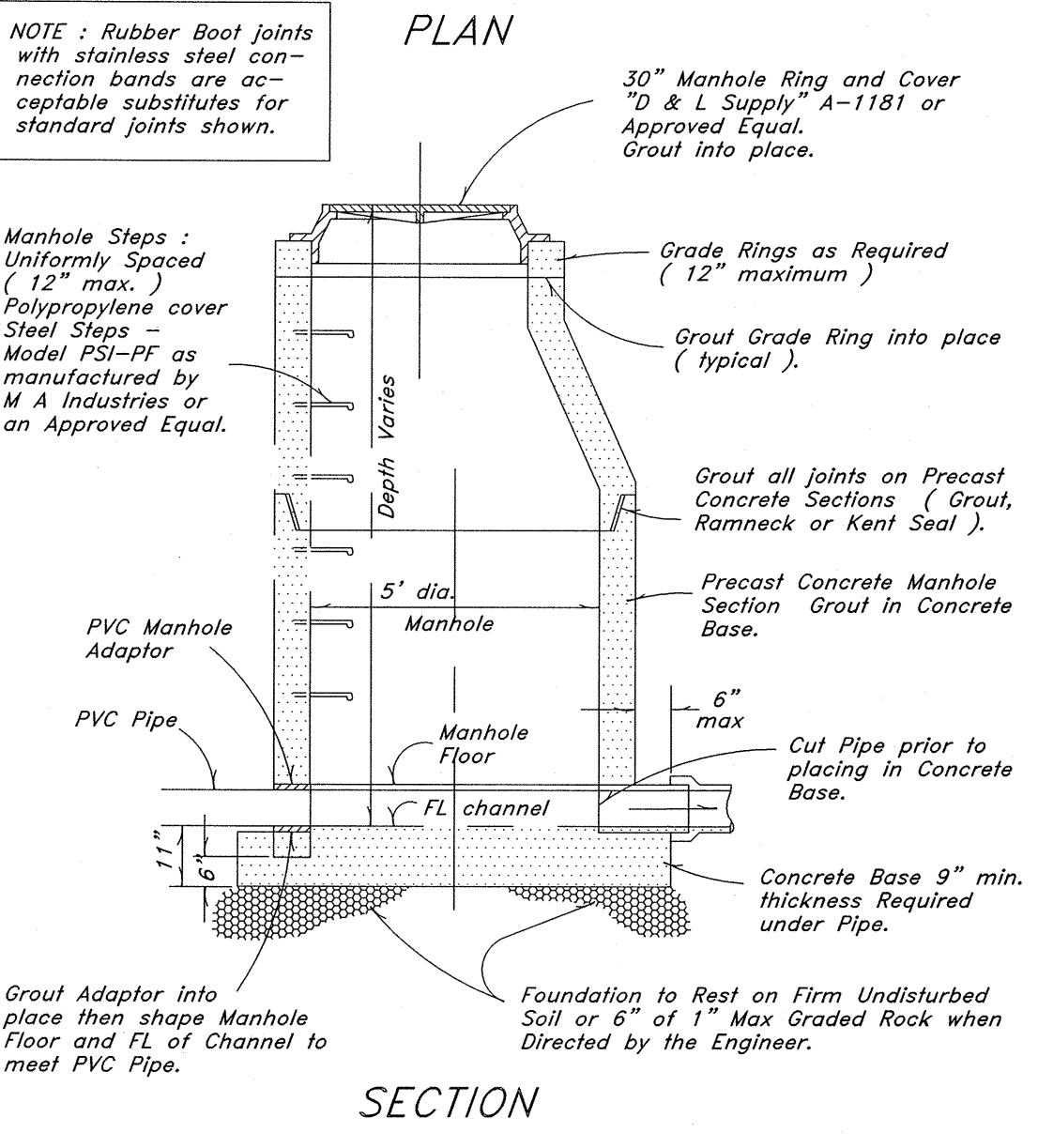
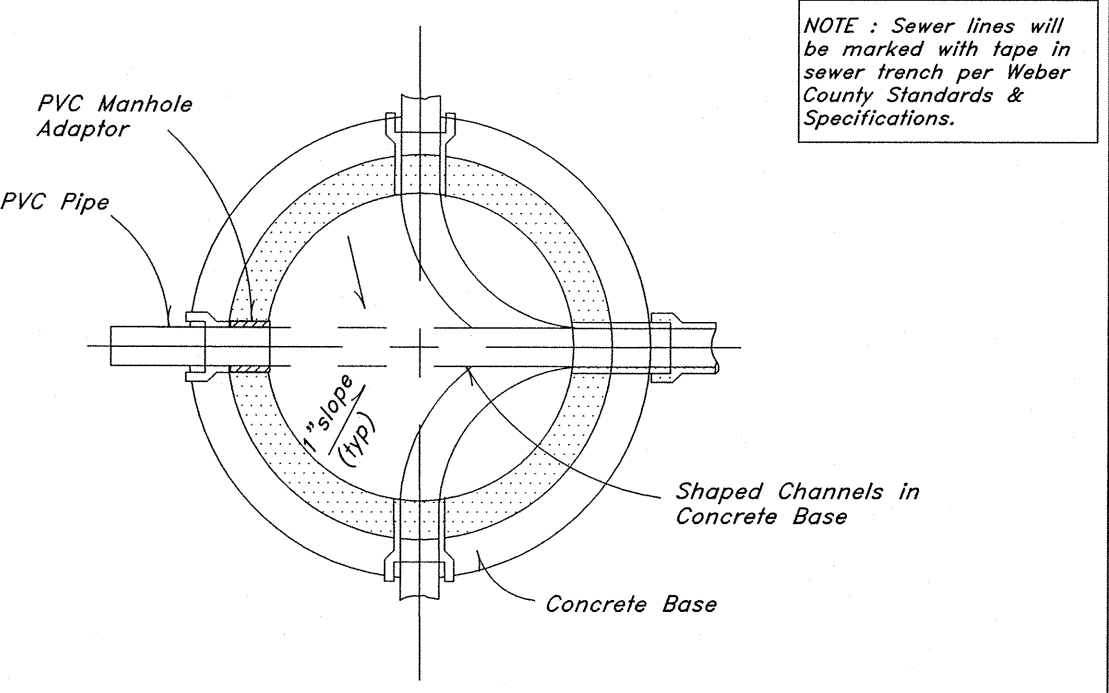
4 Typical Gate Valve
Not to Scale



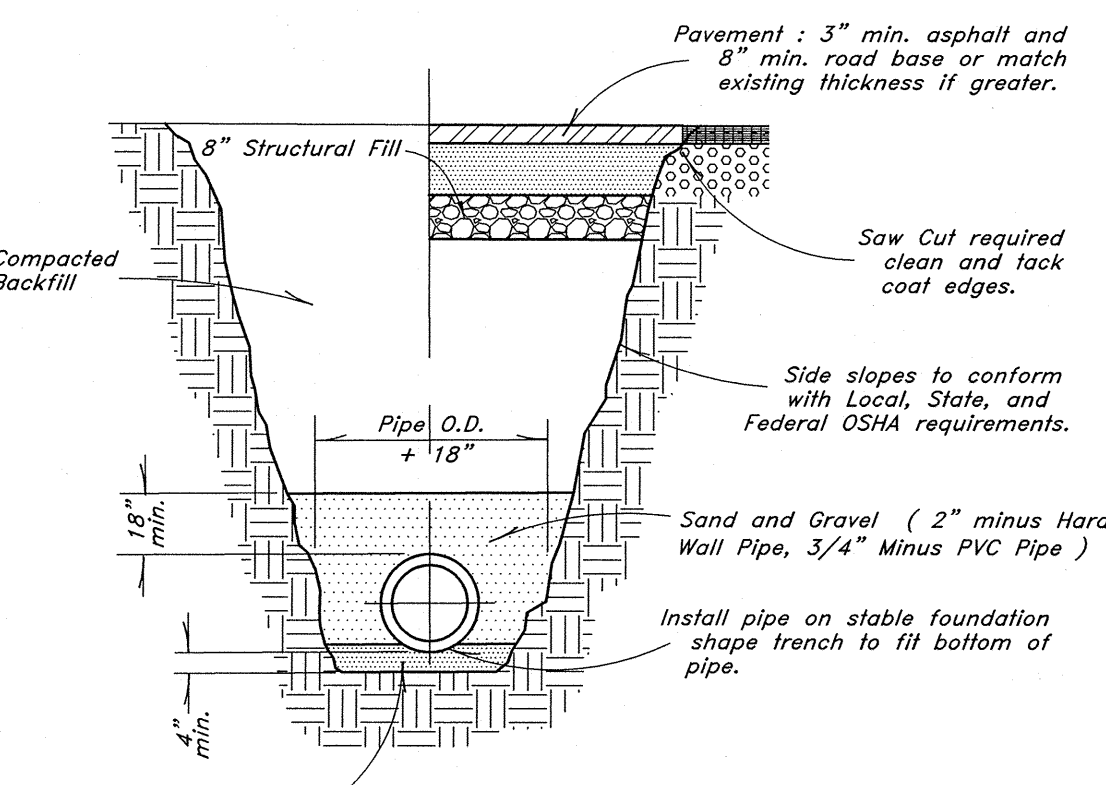
5 Air Release Detail
Not to Scale



8 Typical 4.0' Manhole Detail
Not to Scale



9 Typical 5.0' Manhole Detail
Not to Scale

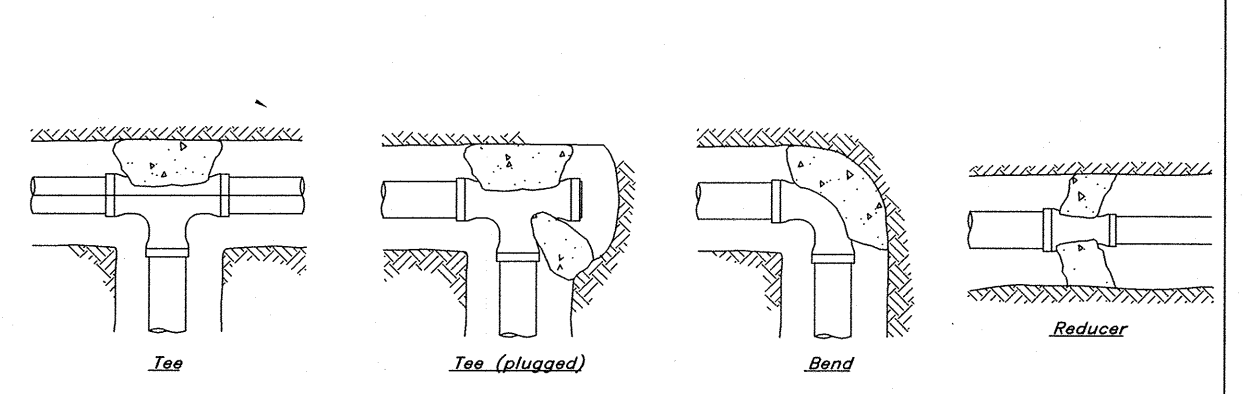


10 Typical Trench Detail
Not to Scale

DIMENSIONS FOR THRUST BLOCKING

FIT-ING SIZE	TEES & PLUGS		90° BEND		45° BEND & WYES		REDUCERS, 1 1/4" & 2 1/2" BENDS	
	A	B	A	B	A	B	A	B
4"	1'-2"	1'-0"	1'-0"	1'-0"	1'-0"	0'-10"	1'-0"	0'-6"
6"	2'-0"	1'-11"	2'-0"	2'-0"	1'-10"	1'-9"	1'-9"	0'-10"
8"	2'-6"	2'-4"	3'-0"	3'-0"	2'-5"	2'-1"	1'-9"	1'-4"
10"	3'-4"	3'-3"	4'-0"	3'-10"	3'-10"	2'-9"	2'-2"	1'-11"
12"	4'-0"	3'-10"	4'-8"	4'-8"	3'-8"	3'-3"	2'-2"	2'-3"
14"	5'-5"	5'-10"	6'-2"	6'-1"	4'-9"	3'-5"	3'-5"	2'-5"

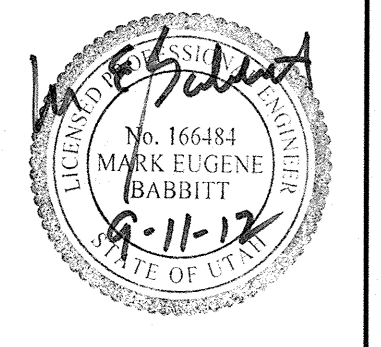
NOTE: This table is based on 150 PSI Main Pressure
2000 PSF Soil Bearing Pressure



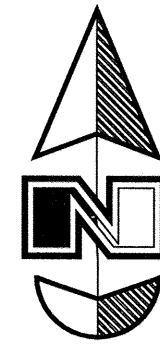
11 Thrust Blocking Details
Not to Scale

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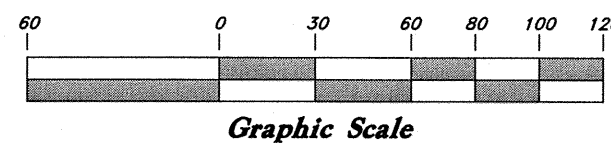
The Chalets at Ski Lake No. 6
A part of the Southwest 1/4 of Section 13, a part of the Northeast 1/4 of Section 23, and a part of the Northwest 1/4 of Section 24, 18th, 17E, SLE&M, U.S. Survey



Jan, 2012
SHEET NO. **4**
96N120 Waterline



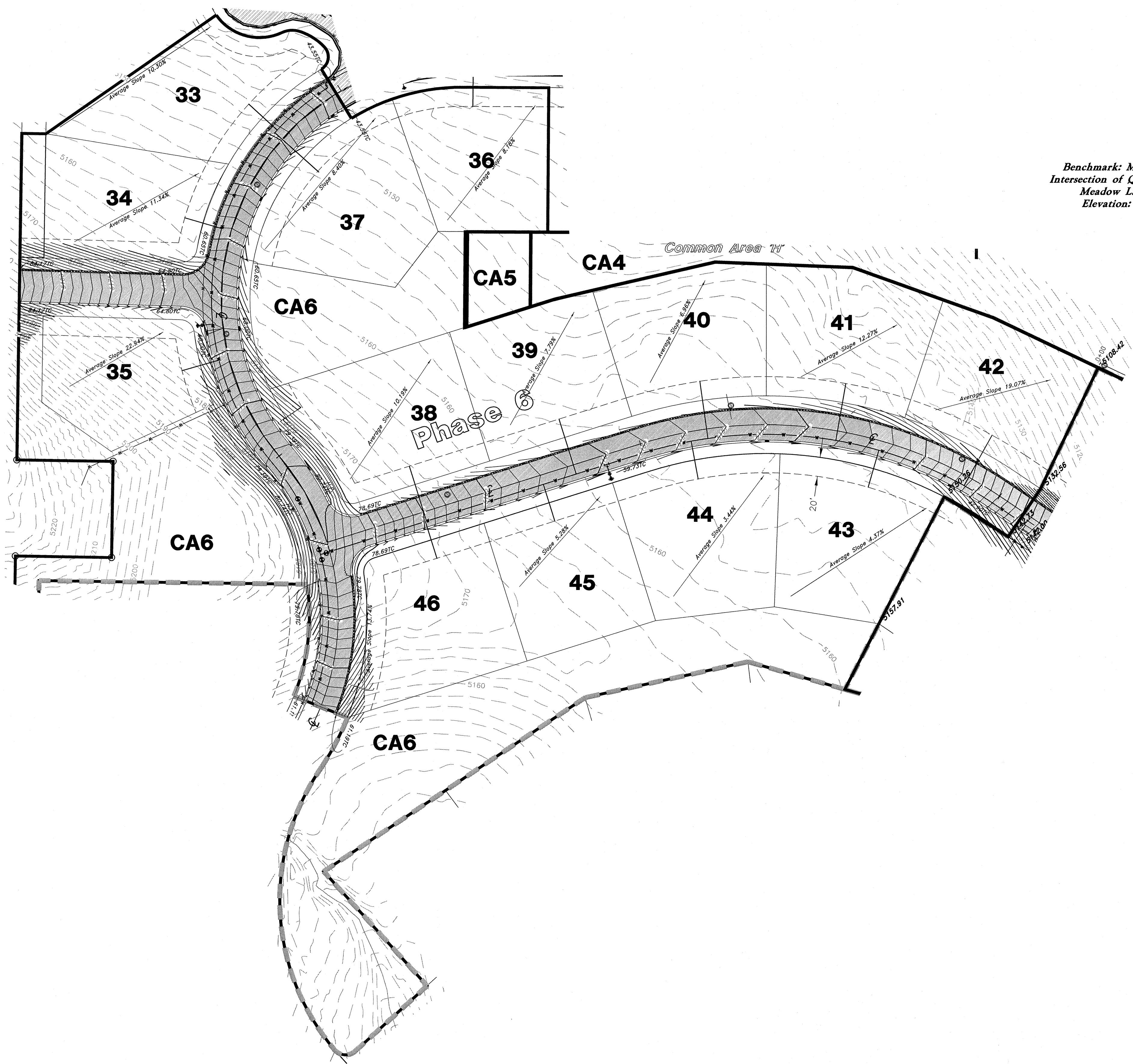
Scale: 1" = 60'



Legend

(Note: All items may not appear on drawing)

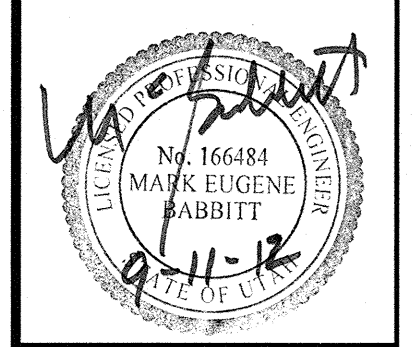
- San. Sewer Manhole
- Water Manhole
- Storm Drain Manhole
- Electrical Manhole
- Catch Basins
- Exist. Fire Hydrant
- Fire Hydrant
- Exist. Water Valve
- Water Valve
- Sanitary Sewer
- Culinary Water
- Gas Line
- Irrigation Line
- Storm Drain
- Telephone Line
- Secondary Waterline
- Power Line
- Fire Line
- Land Drain
- Power Pole w/guy
- Light Pole
- Fence
- Flowline of ditch
- Overhead Power line
- Corrugated Metal Pipe
- Concrete Pipe
- Reinforced Concrete Pipe
- Ductile Iron
- Polyvinyl Chloride
- Top of Asphalt
- Edge of Asphalt
- Centerline
- Flowline
- Finish Floor
- Top of Curb
- Top of Wall
- Top of Walk
- Top of Concrete
- Natural Ground
- Finish Contour
- Exist. Contour
- Finish Grade
- Exist. Grade
- Ridge Line
- Direction of Flow
- Existing Asphalt
- New Asphalt
- Heavy Duty Asphalt
- Concrete
- Open Face
- Curb & Gutter



Benchmark: Monument at
 Intersection of Quail Lane and
 Meadow Lark Lane
 Elevation: 5022.34

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Average Slope Exhibit
The Chalets at Ski Lake No. 6
 A part of the Southwest 1/4 of Section 13, a part of the Northeast 1/4 of Section 23, and a part of the Northwest 1/4 of Section 24, T8N, R1E, S16&M, U.S. Survey



Jan, 2012

SHEET NO.



96N120 Waterline