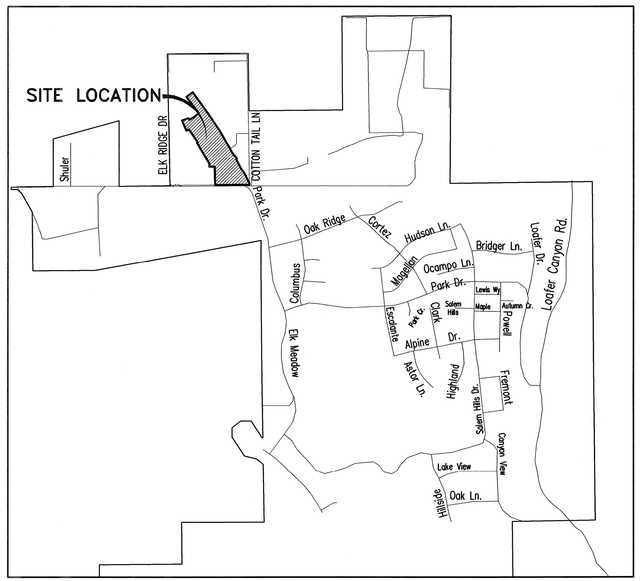
ELK RIDGE MEADOWS PHASE 7

A RESIDENTIAL SUBDIVISION
ELK RIDGE, UTAH
FINAL PLAN SET
SEPTEMBER 2015

-SHEET INDEX-



VICINITY MAP
-NTS-

SHEET	SHEET NAME
1	COVER
2	FINAL PLAN SHEET
3	EROSION CONTROL PLAN SHEET
4	UTILITY PLAN SHEET/INDEX
5	RE-VEGETATION/RETENTION PLAN SHEET
6	FINAL PLAT (SHEET 1 OF 2)
7	FINAL PLAT (SHEET 2 OF 2)
8	DETAIL SHEET
9	DETAIL SHEET
10	ROUNDABOUT STRIPING/SIGNING PLAN
PP-01	SILVER WOLF ROAD - STREET PLAN & PROFILE - STA. 14+56.74 TO STA. 20+00
PP-02	SILVER WOLF ROAD - STREET PLAN & PROFILE - STA. 20+00 TO STA. 22+43.20
PP-03	HANNAH STREET - STREET PLAN & PROFILE - STA. 12+67.40 TO STA. 14+18.32
PP-04	HARRISON STREET - STREET PLAN & PROFILE - STA. 14+50.63 TO STA. 15+77.31
PP-05	QUAKING ASPEN STREET - STREET PLAN & PROFILE - STA. 15+98.41 TO STA. 20+07.07
PP-06	ELK RIDGE DRIVE - STREET PLAN & PROFILE - STA. 14+00 TO STA. 19+50
PP-07	ELK RIDGE DRIVE - STREET PLAN & PROFILE - STA. 19+50 TO STA. 25+00
PP-08	ELK RIDGE DRIVE - STREET PLAN & PROFILE - STA. 25+00 TO STA. 30+00.95
PP-09	ELK RIDGE DRIVE - STREET PLAN & PROFILE - STA. 30+00.95 TO STA. 33+54.66
PP-10	GOOSENEST DRIVE - STREET PLAN & PROFILE - STA. 16+45.94 TO STA. 20+50
PP-11	GOOSENEST DRIVE - STREET PLAN & PROFILE - STA. 20+50 TO STA. 23+50
CP-9	PRV DETAIL (BY OTHERS)

REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
9/25/15
STATE OF UTAH

NOTE:
ALL POTABLE WATER IMPROVEMENTS TO COMPLY WITH NSF61. THE DESIGN OF THE DRINKING WATER SYSTEM COMPLIES WITH THE UTAH DIVISION OF DRINKING WATER ADMINISTRATIVE RULE R-309-500-5 DESIGN STANDARDS.

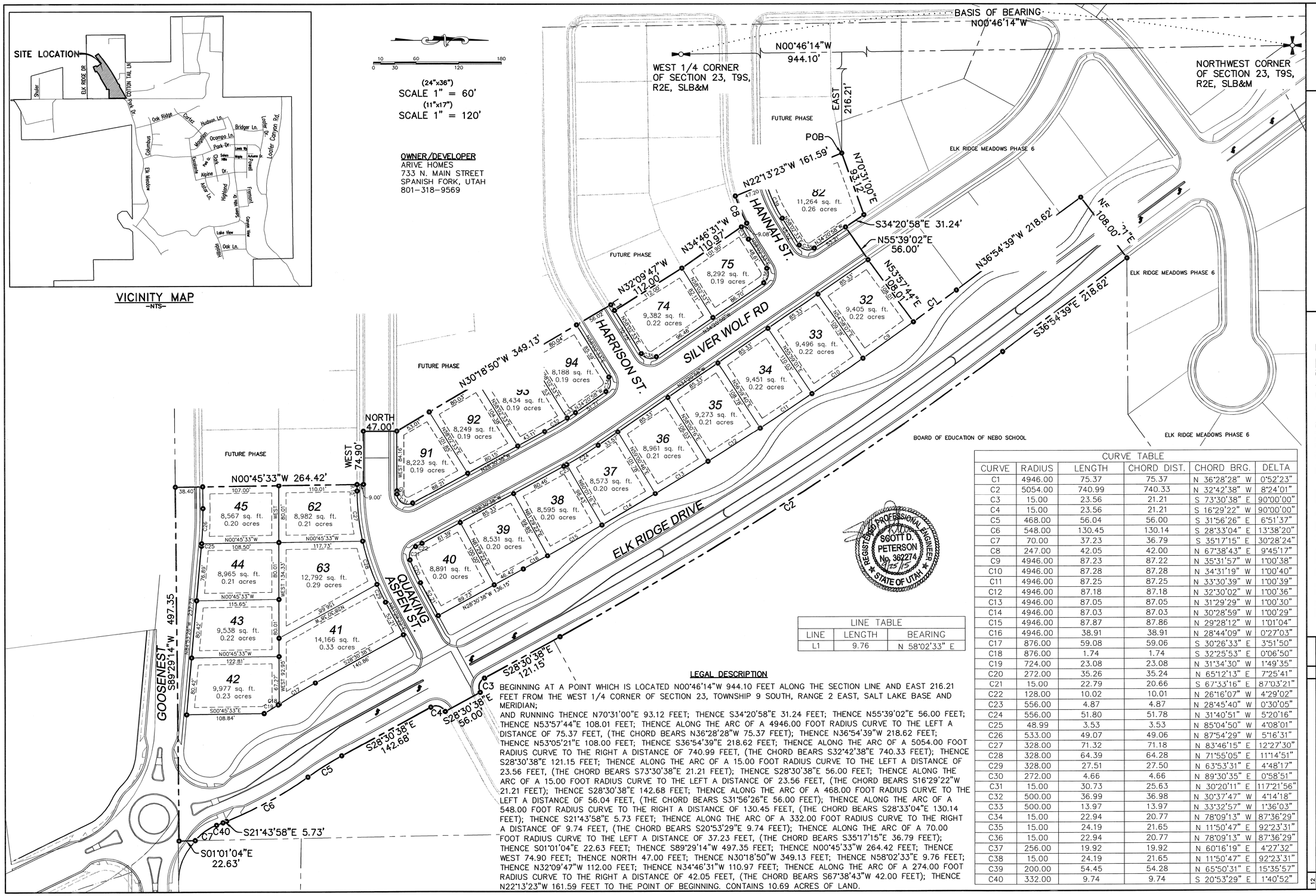
OWNER/DEVELOPER
ARIVE HOMES
733 N. MAIN STREET
SPANISH FORK, UTAH
801-318-9569

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

VICINITY MAP
-NTS-

(24"x36")
SCALE 1" = 60'
(11"x17")
SCALE 1" = 120'

OWNER/DEVELOPER
ARIVE HOMES
733 N. MAIN STREET
SPANISH FORK, UTAH
801-318-9569



LINE TABLE		
LINE	LENGTH	BEARING
L1	9.76	N 58°02'33" E

CURVE TABLE					
CURVE	RADIUS	LENGTH	CHORD DIST.	CHORD BRG.	DELTA
C1	4946.00	75.37	75.37	N 36°28'28" W	0°52'23"
C2	5054.00	740.99	740.33	N 32°42'38" W	8°24'01"
C3	15.00	23.56	21.21	S 73°30'38" E	90°00'00"
C4	15.00	23.56	21.21	S 16°29'22" W	90°00'00"
C5	468.00	56.04	56.00	S 31°56'26" E	6°51'37"
C6	548.00	130.45	130.14	S 28°33'04" E	13°38'20"
C7	70.00	37.23	36.79	S 35°17'15" E	30°28'24"
C8	247.00	42.05	42.00	N 67°38'43" E	9°45'17"
C9	4946.00	87.23	87.22	N 35°31'57" W	1°00'38"
C10	4946.00	87.28	87.28	N 34°31'19" W	1°00'40"
C11	4946.00	87.25	87.25	N 33°30'39" W	1°00'39"
C12	4946.00	87.18	87.18	N 32°30'02" W	1°00'36"
C13	4946.00	87.05	87.05	N 31°29'29" W	1°00'30"
C14	4946.00	87.03	87.03	N 30°28'59" W	1°00'29"
C15	4946.00	87.87	87.86	N 29°28'12" W	1°01'04"
C16	4946.00	38.91	38.91	N 28°44'09" W	0°27'03"
C17	876.00	59.08	59.06	S 30°26'33" E	3°51'50"
C18	876.00	1.74	1.74	S 32°25'53" E	0°06'50"
C19	724.00	23.08	23.08	N 31°34'30" W	1°49'35"
C20	272.00	35.26	35.24	N 65°12'13" E	7°25'41"
C21	15.00	22.79	20.66	S 67°33'16" E	87°03'21"
C22	128.00	10.02	10.01	N 26°16'07" W	4°29'02"
C23	556.00	4.87	4.87	N 28°45'40" W	0°30'05"
C24	556.00	51.80	51.78	N 31°40'51" W	5°20'16"
C25	48.99	3.53	3.53	N 85°04'50" W	4°08'01"
C26	533.00	49.07	49.06	N 87°54'29" W	5°16'31"
C27	328.00	71.32	71.18	N 83°46'15" E	12°27'30"
C28	328.00	64.39	64.28	N 71°55'05" E	11°14'51"
C29	328.00	27.51	27.50	N 63°53'31" E	4°48'17"
C30	272.00	4.66	4.66	N 89°30'35" E	0°58'51"
C31	15.00	30.73	25.63	N 30°20'11" E	117°21'56"
C32	500.00	36.99	36.98	N 30°37'47" W	4°14'18"
C33	500.00	13.97	13.97	N 33°32'57" W	1°36'03"
C34	15.00	22.94	20.77	N 78°09'13" W	87°36'29"
C35	15.00	24.19	21.65	N 11°50'47" E	92°23'31"
C36	15.00	22.94	20.77	N 78°09'13" W	87°36'29"
C37	256.00	19.92	19.92	N 60°16'19" E	4°27'32"
C38	15.00	24.19	21.65	N 11°50'47" E	92°23'31"
C39	200.00	54.45	54.28	N 65°50'31" E	15°35'57"
C40	332.00	9.74	9.74	S 20°53'29" E	1°40'52"

REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
8/21/15
STATE OF UTAH

LEGAL DESCRIPTION

BEGINNING AT A POINT WHICH IS LOCATED N00°46'14"W 944.10 FEET ALONG THE SECTION LINE AND EAST 216.21 FEET FROM THE WEST 1/4 CORNER OF SECTION 23, TOWNSHIP 9 SOUTH, RANGE 2 EAST, SALT LAKE BASE AND MERIDIAN;
AND RUNNING THENCE N70°31'00"E 93.12 FEET; THENCE S34°20'58"E 31.24 FEET; THENCE N55°39'02"E 56.00 FEET; THENCE N53°57'44"E 108.01 FEET; THENCE ALONG THE ARC OF A 4946.00 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 75.37 FEET, (THE CHORD BEARS N36°28'28"W 75.37 FEET); THENCE N36°54'39"W 218.62 FEET; THENCE N53°05'21"E 108.00 FEET; THENCE S36°54'39"E 218.62 FEET; THENCE ALONG THE ARC OF A 5054.00 FOOT RADIUS CURVE TO THE RIGHT A DISTANCE OF 740.99 FEET, (THE CHORD BEARS S32°42'38"E 740.33 FEET); THENCE S28°30'38"E 121.15 FEET; THENCE ALONG THE ARC OF A 15.00 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 23.56 FEET, (THE CHORD BEARS S73°30'38"E 21.21 FEET); THENCE S28°30'38"E 56.00 FEET; THENCE ALONG THE ARC OF A 15.00 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 23.56 FEET, (THE CHORD BEARS S16°29'22"W 21.21 FEET); THENCE S28°30'38"E 142.68 FEET; THENCE ALONG THE ARC OF A 468.00 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 56.04 FEET, (THE CHORD BEARS S31°56'26"E 56.00 FEET); THENCE ALONG THE ARC OF A 548.00 FOOT RADIUS CURVE TO THE RIGHT A DISTANCE OF 130.45 FEET, (THE CHORD BEARS S28°33'04"E 130.14 FEET); THENCE S21°43'58"E 5.73 FEET; THENCE ALONG THE ARC OF A 332.00 FOOT RADIUS CURVE TO THE RIGHT A DISTANCE OF 9.74 FEET, (THE CHORD BEARS S20°53'29"E 9.74 FEET); THENCE ALONG THE ARC OF A 70.00 FOOT RADIUS CURVE TO THE LEFT A DISTANCE OF 37.23 FEET, (THE CHORD BEARS S35°17'15"E 36.79 FEET); THENCE S01°01'04"E 22.63 FEET; THENCE S89°29'14"W 497.35 FEET; THENCE N00°45'33"W 264.42 FEET; THENCE WEST 74.90 FEET; THENCE NORTH 47.00 FEET; THENCE N30°18'50"W 349.13 FEET; THENCE N58°02'33"E 9.76 FEET; THENCE N32°09'47"W 112.00 FEET; THENCE N34°46'31"W 110.97 FEET; THENCE ALONG THE ARC OF A 274.00 FOOT RADIUS CURVE TO THE RIGHT A DISTANCE OF 42.05 FEET, (THE CHORD BEARS S67°38'43"W 42.00 FEET); THENCE N22°13'23"W 161.59 FEET TO THE POINT OF BEGINNING. CONTAINS 10.69 ACRES OF LAND.

SHEET NO. 2

FINAL PLAN SHEET
SEPTEMBER 2015

ELK RIDGE, UTAH
COUNTY, UTAH

ELK RIDGE MEADOWS PHASE 7
A SINGLE FAMILY DEVELOPMENT

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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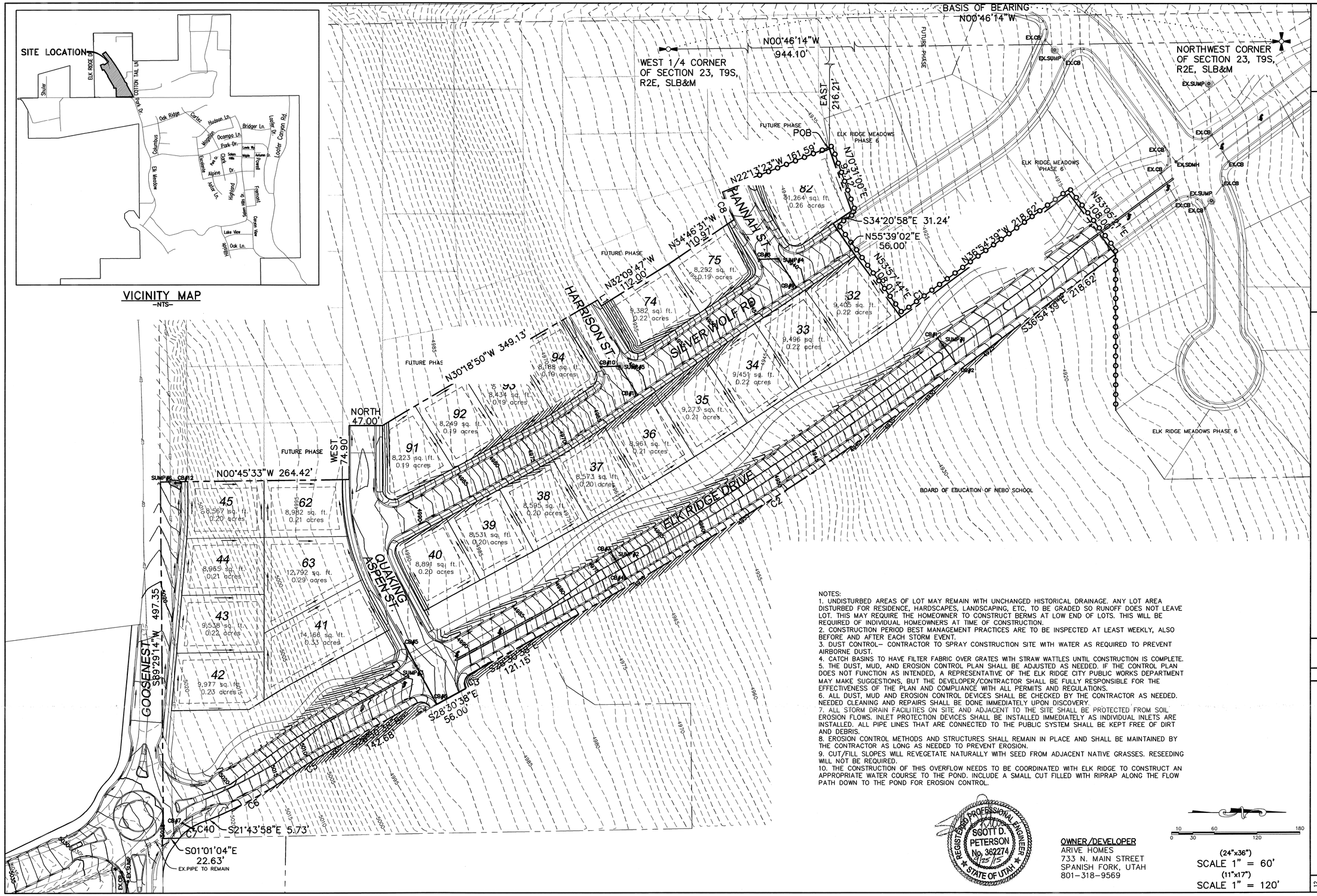

NOTES:

1. UNDISTURBED AREAS OF LOT MAY REMAIN WITH UNCHANGED HISTORICAL DRAINAGE. ANY LOT AREA DISTURBED FOR RESIDENCE, HARDSCAPES, LANDSCAPING, ETC, TO BE GRADED SO RUNOFF DOES NOT LEAVE LOT. THIS MAY REQUIRE THE HOMEOWNER TO CONSTRUCT BERMS AT LOW END OF LOTS. THIS WILL BE REQUIRED OF INDIVIDUAL HOMEOWNERS AT TIME OF CONSTRUCTION.
2. CONSTRUCTION PERIOD BEST MANAGEMENT PRACTICES ARE TO BE INSPECTED AT LEAST WEEKLY, ALSO BEFORE AND AFTER EACH STORM EVENT.
3. DUST CONTROL– CONTRACTOR TO SPRAY CONSTRUCTION SITE WITH WATER AS REQUIRED TO PREVENT AIRBORNE DUST.
4. CATCH BASINS TO HAVE FILTER FABRIC OVER GRATES WITH STRAW WATTLES UNTIL CONSTRUCTION IS COMPLETE.
5. THE DUST, MUD, AND EROSION CONTROL PLAN SHALL BE ADJUSTED AS NEEDED. IF THE CONTROL PLAN DOES NOT FUNCTION AS INTENDED, A REPRESENTATIVE OF THE ELK RIDGE CITY PUBLIC WORKS DEPARTMENT MAY MAKE SUGGESTIONS, BUT THE DEVELOPER/CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE EFFECTIVENESS OF THE PLAN AND COMPLIANCE WITH ALL PERMITS AND REGULATIONS.
6. ALL DUST, MUD AND EROSION CONTROL DEVICES SHALL BE CHECKED BY THE CONTRACTOR AS NEEDED. NEEDED CLEANING AND REPAIRS SHALL BE DONE IMMEDIATELY UPON DISCOVERY.
7. ALL STORM DRAIN FACILITIES ON SITE AND ADJACENT TO THE SITE SHALL BE PROTECTED FROM SOIL EROSION FLOWS. INLET PROTECTION DEVICES SHALL BE INSTALLED IMMEDIATELY AS INDIVIDUAL INLETS ARE INSTALLED. ALL PIPE LINES THAT ARE CONNECTED TO THE PUBLIC SYSTEM SHALL BE KEPT FREE OF DIRT AND DEBRIS.
8. EROSION CONTROL METHODS AND STRUCTURES SHALL REMAIN IN PLACE AND SHALL BE MAINTAINED BY THE CONTRACTOR AS LONG AS NEEDED TO PREVENT EROSION.
9. CUT/FILL SLOPES WILL REVEGETATE NATURALLY WITH SEED FROM ADJACENT NATIVE GRASSES. RESEEDING WILL NOT BE REQUIRED.
10. THE CONSTRUCTION OF THIS OVERFLOW NEEDS TO BE COORDINATED WITH ELK RIDGE TO CONSTRUCT AN APPROPRIATE WATER COURSE TO THE POND. INCLUDE A SMALL CUT FILLED WITH RIPRAP ALONG THE FLOW PATH DOWN TO THE POND FOR EROSION CONTROL.

REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
9/25/15
STATE OF UTAH

OWNER/DEVELOPER
ARIVE HOMES
733 N. MAIN STREET
SPANISH FORK, UTAH
801–318–9569

(24"x36")
SCALE 1" = 60'
(11"x17")
SCALE 1" = 120'

SHEET NO. 3

EROSION CONTROL PLAN SHEET
SEPTEMBER 2015

ELK RIDGE, UTAH
COUNTY, UTAH

ELK RIDGE MEADOWS PHASE 7

A SINGLE FAMILY DEVELOPMENT

ATLAS ENGINEERING L.L.C.
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FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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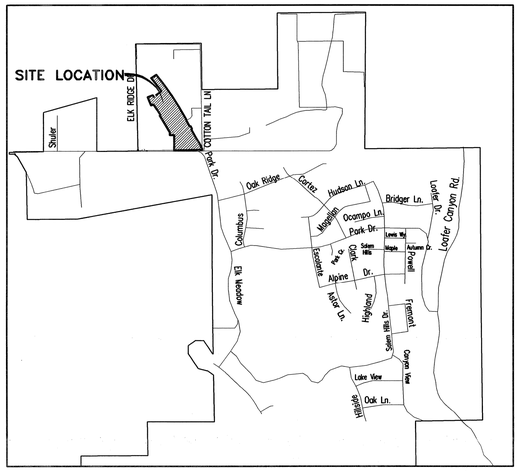

VICINITY MAP
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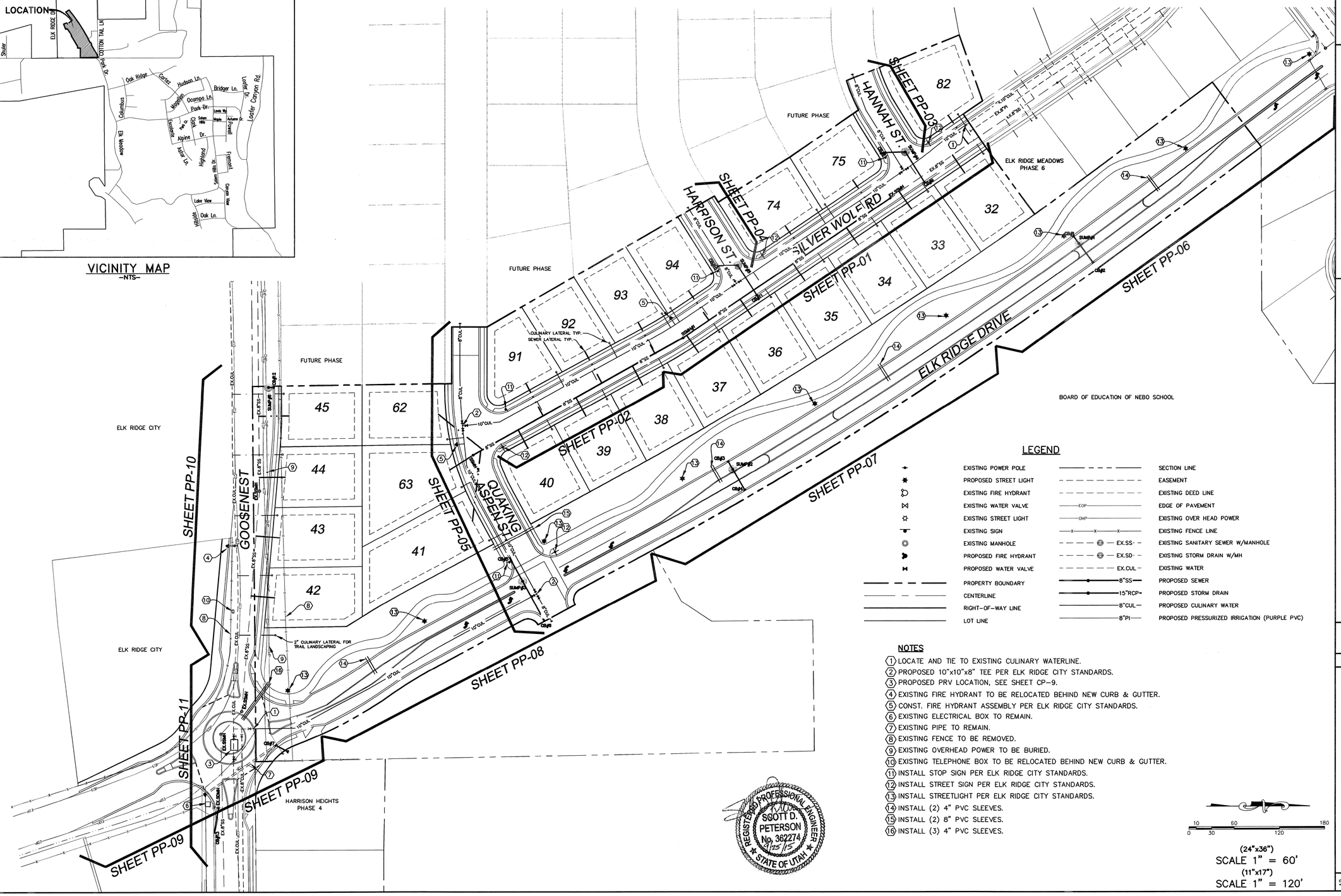

LEGEND

	EXISTING POWER POLE		SECTION LINE
	PROPOSED STREET LIGHT		EASEMENT
	EXISTING FIRE HYDRANT		EXISTING DEED LINE
	EXISTING WATER VALVE	EOP	EDGE OF PAVEMENT
	EXISTING STREET LIGHT	OHP	EXISTING OVER HEAD POWER
	EXISTING SIGN	X	EXISTING FENCE LINE
	EXISTING MANHOLE	EX.SS	EXISTING SANITARY SEWER W/MANHOLE
	PROPOSED FIRE HYDRANT	EX.SD	EXISTING STORM DRAIN W/MH
	PROPOSED WATER VALVE	EX.CUL	EXISTING WATER
	PROPERTY BOUNDARY	8"SS	PROPOSED SEWER
	CENTERLINE	15"RCP	PROPOSED STORM DRAIN
	RIGHT-OF-WAY LINE	8"CUL	PROPOSED CULINARY WATER
	LOT LINE	8"PI	PROPOSED PRESSURIZED IRRIGATION (PURPLE PVC)

NOTES

1. LOCATE AND TIE TO EXISTING CULINARY WATERLINE.
2. PROPOSED 10"x10"x8" TEE PER ELK RIDGE CITY STANDARDS.
3. PROPOSED PRV LOCATION, SEE SHEET CP-9.
4. EXISTING FIRE HYDRANT TO BE RELOCATED BEHIND NEW CURB & GUTTER.
5. CONST. FIRE HYDRANT ASSEMBLY PER ELK RIDGE CITY STANDARDS.
6. EXISTING ELECTRICAL BOX TO REMAIN.
7. EXISTING PIPE TO REMAIN.
8. EXISTING FENCE TO BE REMOVED.
9. EXISTING OVERHEAD POWER TO BE BURIED.
10. EXISTING TELEPHONE BOX TO BE RELOCATED BEHIND NEW CURB & GUTTER.
11. INSTALL STOP SIGN PER ELK RIDGE CITY STANDARDS.
12. INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS.
13. INSTALL STREETLIGHT PER ELK RIDGE CITY STANDARDS.
14. INSTALL (2) 4" PVC SLEEVES.
15. INSTALL (2) 8" PVC SLEEVES.
16. INSTALL (3) 4" PVC SLEEVES.

REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
12/15/15
STATE OF UTAH

10 60 180
0 30 120

(24"x36")
SCALE 1" = 60'
(11"x17")
SCALE 1" = 120'

SHEET NO.
4

UTILITY PLAN SHEET/INDEX
SEPTEMBER 2015

ELK RIDGE, UTAH
COUNTY, UTAH

ELK RIDGE MEADOWS PHASE 7
A SINGLE FAMILY DEVELOPMENT

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
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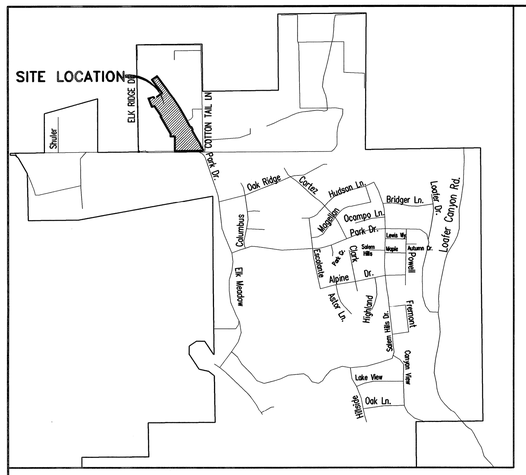

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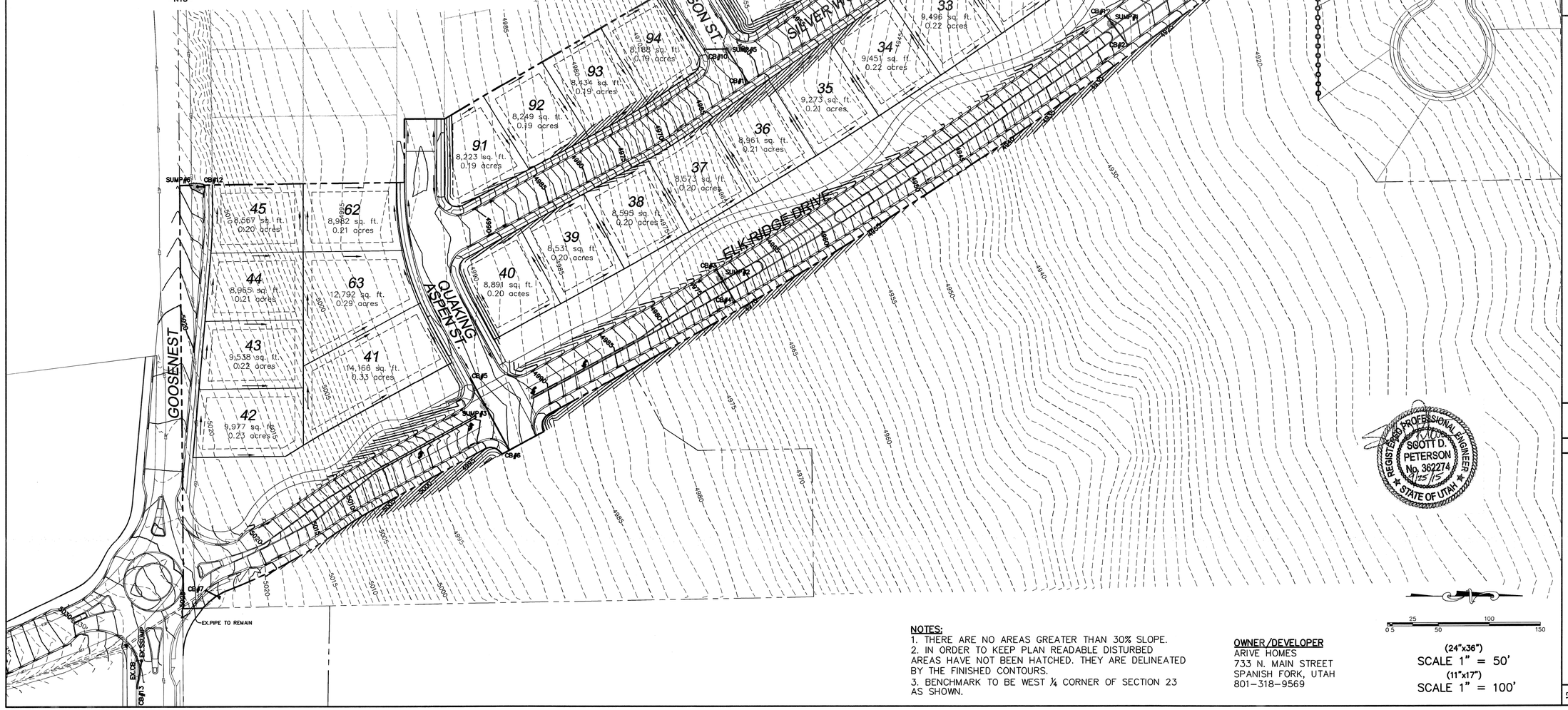

NOTES:
1. THERE ARE NO AREAS GREATER THAN 30% SLOPE.
2. IN ORDER TO KEEP PLAN READABLE DISTURBED AREAS HAVE NOT BEEN HATCHED. THEY ARE DELINEATED BY THE FINISHED CONTOURS.
3. BENCHMARK TO BE WEST ¼ CORNER OF SECTION 23 AS SHOWN.

OWNER/DEVELOPER
ARIVE HOMES
733 N. MAIN STREET
SPANISH FORK, UTAH
801-318-9569

0 5 25 50 100 150

(24"x36")
SCALE 1" = 50'
(11"x17")
SCALE 1" = 100'

SHEET NO. 5

RE-VEGETATION/RETENTION PLAN
SEPTEMBER 2015

ELK RIDGE, UTAH
COUNTY, UTAH

ELK RIDGE MEADOWS PHASE 7

A SINGLE FAMILY DEVELOPMENT

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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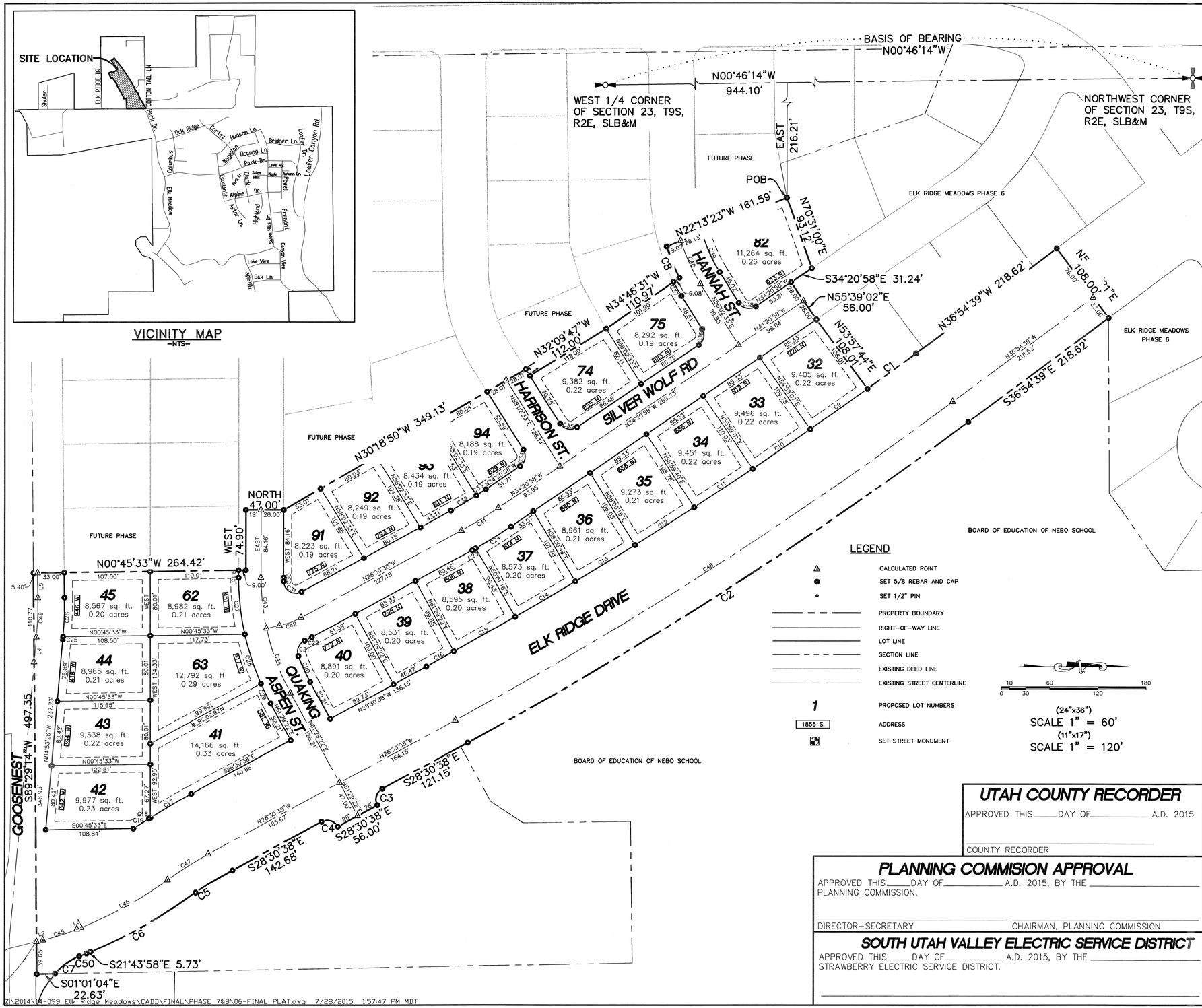
SITE LOCATION
BASIS OF BEARING
N00°46'14"W
N00°46'14"W
944.10'
WEST 1/4 CORNER
OF SECTION 23, T9S,
R2E, SLB&M
NORTHWEST CORNER
OF SECTION 23, T9S,
R2E, SLB&M
EAST
216.21'
POB
N70°31'00"E
93.12'
N22°13'23"W 161.59'
S34°20'58"E 31.24'
N55°39'02"E
56.00'
N36°54'39"W 218.62'
N53°57'44"E
108.01'
S36°54'39"E 218.62'
N34°46'31"W
110.97'
N32°09'47"W
112.00'
N30°18'50"W 349.13'
N00°45'33"W 264.42'
WEST
74.90'
NORTH
47.00'
S89°29'14"W 497.35'
GOOSENEST
S00°45'33"E
108.84'
S01°01'04"E
22.63'
S21°43'58"E 5.73'
S28°30'38"E
121.15'
S28°30'38"E
56.00'
S28°30'38"E
142.68'
N28°30'38"W
185.67'
N28°30'38"W
164.15'
N28°30'38"W 136.15'
N28°30'38"W 227.16'
N34°20'58"W 269.23'
N34°20'58"W
92.80'
N34°20'58"W
51.71'
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98.04'
N34°20'58"W
53.21'
N58°02'33"E 128.14'
N58°02'33"E
128.21'
N58°29'22"E
47.60'
N58°29'22"E
185.21'
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107.00'
110.01'
108.50'
117.73'
115.85'
122.81'
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N84°53'26"W
237.73'
N84°53'26"W
146.93'
WEST 84.16'
EAST
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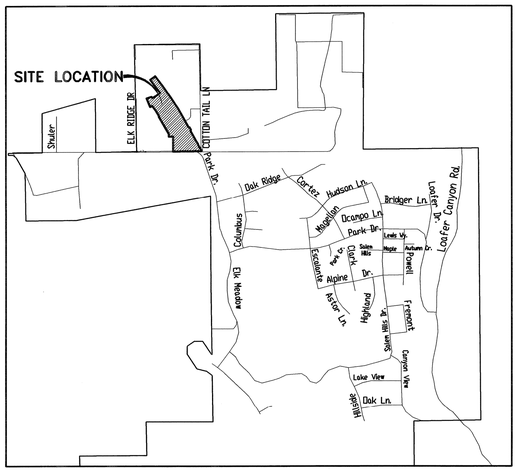
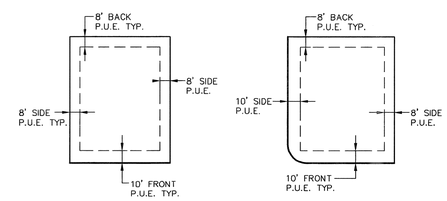


VICINITY MAP
-NTS-

CURVE TABLE					
CURVE	RADIUS	LENGTH	CHORD DIST.	CHORD BRG.	DELTA
C1	4946.00	75.37	75.37	N 36°28'28" W	0°52'23"
C2	5054.00	740.99	740.33	N 32°42'38" W	8°24'01"
C3	15.00	23.56	21.21	S 73°30'38" E	90°00'00"
C4	15.00	23.56	21.21	S 16°29'22" W	90°00'00"
C5	468.00	56.04	56.00	S 31°56'26" E	6°51'37"
C6	548.00	130.45	130.14	S 28°33'04" E	13°38'20"
C7	70.00	37.23	36.79	S 35°17'15" E	30°28'24"
C8	247.00	42.05	42.00	N 67°38'43" E	9°45'17"
C9	4946.00	87.23	87.22	N 35°31'57" W	1°00'38"
C10	4946.00	87.28	87.28	N 34°31'19" W	1°00'40"
C11	4946.00	87.25	87.25	N 33°30'39" W	1°00'39"
C12	4946.00	87.18	87.18	N 32°30'02" W	1°00'36"
C13	4946.00	87.05	87.05	N 31°29'29" W	1°00'30"
C14	4946.00	87.03	87.03	N 30°28'59" W	1°00'29"
C15	4946.00	87.87	87.86	N 29°28'12" W	1°01'04"
C16	4946.00	38.91	38.91	N 28°44'09" W	0°27'03"
C17	876.00	59.08	59.06	S 30°26'33" E	3°51'50"
C18	876.00	1.74	1.74	S 32°25'53" E	0°06'50"
C19	724.00	23.08	23.08	N 31°34'30" W	1°49'35"
C20	272.00	35.26	35.24	N 65°12'13" E	7°25'41"
C21	15.00	22.79	20.66	S 67°33'16" E	87°03'21"
C22	128.00	10.02	10.01	N 26°16'07" W	4°29'02"
C23	556.00	4.87	4.87	N 28°45'40" W	0°30'05"
C24	556.00	51.80	51.78	N 31°40'51" W	5°20'16"
C25	48.99	3.53	3.53	N 85°04'50" W	4°08'01"
C26	533.00	49.07	49.06	N 87°54'29" W	5°16'31"
C27	328.00	71.32	71.18	N 83°46'15" E	12°27'30"
C28	328.00	64.39	64.28	N 71°55'05" E	11°14'51"
C29	328.00	27.51	27.50	N 63°53'31" E	4°48'17"
C30	272.00	4.66	4.66	N 89°30'35" E	0°58'51"
C31	15.00	30.73	25.63	N 30°20'11" E	117°21'56"
C32	500.00	36.99	36.98	N 30°37'47" W	4°14'18"
C33	500.00	13.97	13.97	N 33°32'57" W	1°36'03"
C34	15.00	22.94	20.77	N 78°09'13" W	87°36'29"
C35	15.00	24.19	21.65	N 11°50'47" E	92°23'31"
C36	15.00	22.94	20.77	N 78°09'13" W	87°36'29"
C37	256.00	19.92	19.92	N 60°16'19" E	4°27'32"
C38	15.00	24.19	21.65	N 11°50'47" E	92°23'31"
C39	200.00	54.45	54.28	N 65°50'31" E	15°35'57"
C40	228.00	59.20	59.03	N 65°28'51" E	14°52'37"
C41	528.00	53.81	53.79	N 31°25'48" W	5°50'21"
C42	100.00	28.57	28.47	N 20°19'36" W	16°22'03"
C43	300.00	63.58	63.46	N 83°55'43" E	12°08'35"
C44	300.00	85.70	85.41	N 69°40'24" E	16°22'03"
C45	300.00	44.53	44.49	N 17°28'47" W	8°30'14"
C46	516.00	122.83	122.54	N 28°33'04" W	13°38'20"
C47	500.00	59.87	59.83	S 31°56'26" E	6°51'37"
C48	5022.00	736.30	735.64	N 32°42'38" W	8°24'01"
C49	500.00	49.35	49.33	N 87°43'05" W	5°39'18"
C50	332.00	9.74	9.74	S 20°53'29" E	1°40'52"

LINE TABLE		
LINE	LENGTH	BEARING
L1	9.76	N 58°02'33" E
L2	8.05	N 13°13'40" W
L3	5.42	N 21°43'54" W
L4	30.79	N 84°53'26" W
L5	30.88	S 89°27'16" W



INTERIOR LOT CORNER LOT

DETAIL - TYPICAL BUILDING EASEMENTS

ELK RIDGE MEADOWS PHASE 7

A RESIDENTIAL DEVELOPMENT
ELK RIDGE, UTAH COUNTY, UTAH
CONTAINING 22 LOTS, AND 10.69 ACRES

SHEET 2 OF 2

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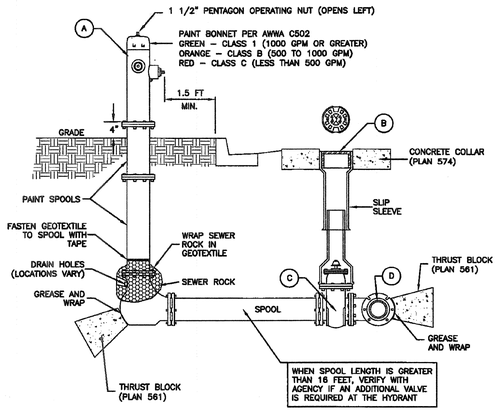


LEGEND

No.	*	ITEM	DESCRIPTION
A		FIRE HYDRANT	AWWA C502
B		VALVE BOX WITH LID	2-PIECE CAST IRON
C		GATE VALVE WITH 2" X 2" NUT	AWWA C509
D		TEE WITH 125 # FLANGE	AWWA C110

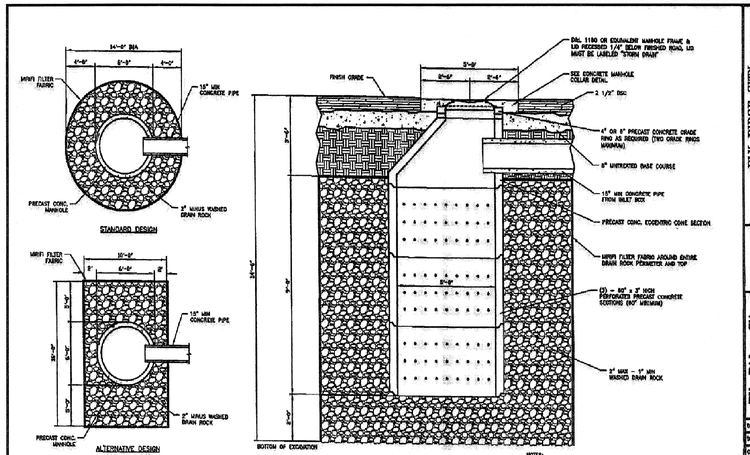
* FURNISHED BY UTILITY AGENCY

SECTION

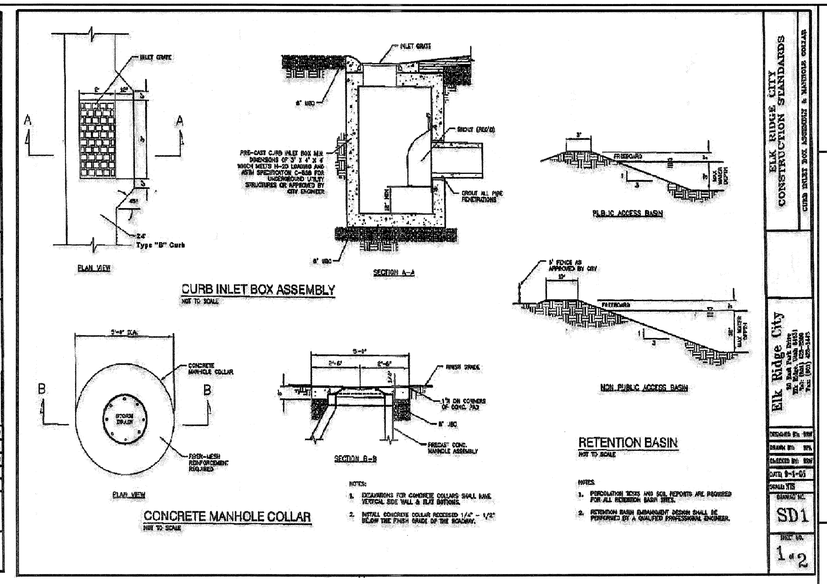
Fire hydrant with valve

Plan **511**

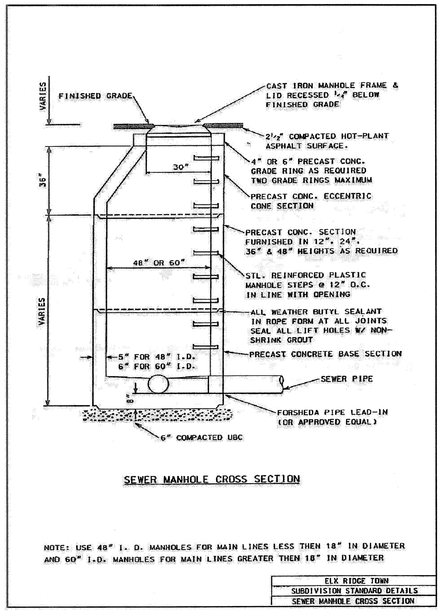
February 2011 237



NOTE: SUMPS FOR THIS PROJECT WILL INCLUDE A CONE AND (2) 4 FT PERFORATED SECTIONS.



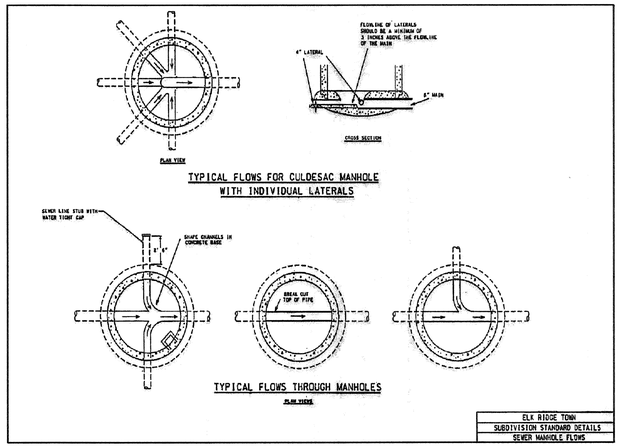
Fire Hydrants: The detail provided in the plan set is not up to date. Please use the attached APWA (2012) detail. The AWWA C502 fire hydrant shall be provided with one (1) 4-1/2" pumper nozzle and two (2) 2-1/2" hose nozzles. Connection shall be via FLxMJ valve to a FL lateral off the main as shown on the detail.
Water Services: All service laterals shall be 1" CTS HDPE SDR 9 with NSF 61 Certification. All meter barrels shall be "white" HDPE. Tapping saddles shall be epoxy coated and double strapped with stainless steel hardware.
Water Valves: All valves shall be FLxMJ connected directly to FL tees and crosses.

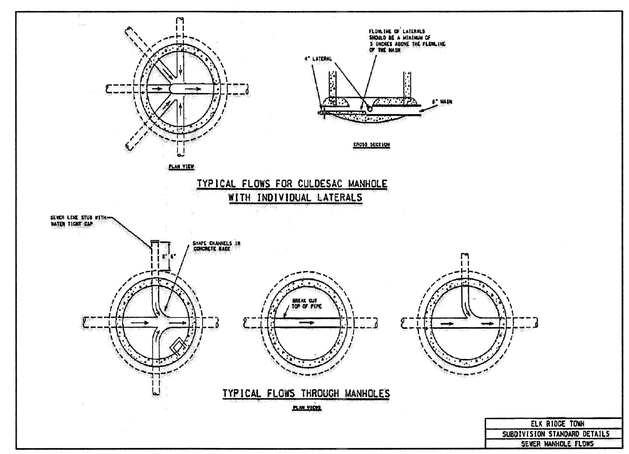


SEWER MANHOLE CROSS SECTION

NOTE: USE 48" I. D. MANHOLES FOR MAIN LINES LESS THEN 18" IN DIAMETER AND 60" I.D. MANHOLES FOR MAIN LINES GREATER THEN 18" IN DIAMETER

ELK RIDGE TOWN
SUBDIVISION STANDARD DETAILS
SEWER MANHOLE CROSS SECTION





REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
STATE OF UTAH

SHEET NO. 8

DETAIL SHEET

ELK RIDGE, UTAH
COUNTY, UTAH

ELK RIDGE MEADOWS PHASE 7
A SINGLE FAMILY DEVELOPMENT

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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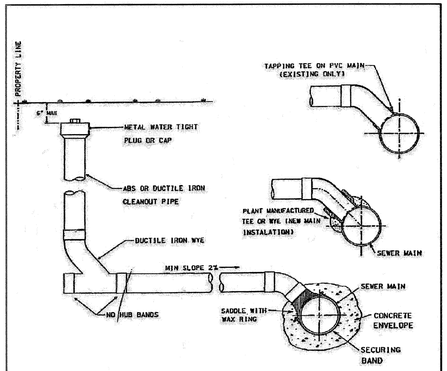
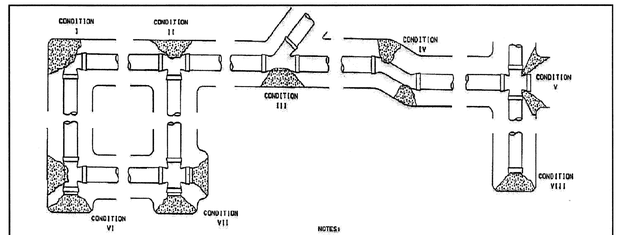


SEWER SERVICE LINE

ELK RIDGE TOWN
SUBDIVISION STANDARD DETAILS
SEWER SERVICE LINE DETAILS



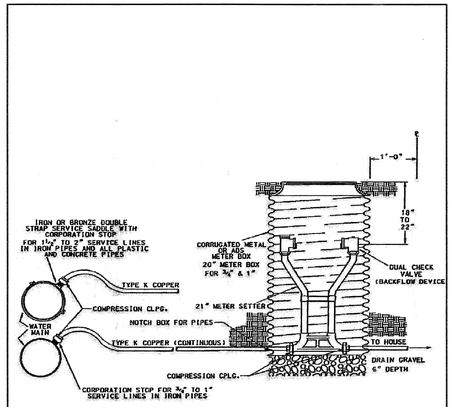
THRUST BLOCK BEARING AREA IN SQUARE FEET								
PIPE SIZE	CONDITION I	II	III	IV	V	VI	VII	VIII
6	11.0	7.3	5.5	3.3	3.9	5.5	11.0	7.3
8	17.5	12.1	9.8	5.2	6.5	9.1	17.5	12.1
10	24.8	17.5	13.6	7.8	9.1	12.3	24.8	17.5
12	33.0	24.0	18.2	9.7	12.3	16.9	33.0	24.0
14	44.0	31.1	23.8	12.1	15.6	23.2	44.0	31.1

NOTES:

1. ALL THRUST BLOCK BEARING FACES SHALL BE POURED AGAINST UNDISTURBED SOIL OR APPROVED COMPACTED BACKFILL.
2. CONCRETE SHALL BE CLASS 564-C-3000
3. THRUST BLOCKS SHALL NOT INTERFERE WITH ACCESS TO THE JOINT.
4. ALL BOLTS ON MECHANICAL JOINT FITTINGS SHALL BE FREE FROM CONCRETE AND FULLY ACCESSIBLE.

THRUST BLOCK DETAILS

ELK RIDGE TOWN
SUBDIVISION STANDARD DETAILS
THRUST BLOCK DETAILS



WATER SERVICE LINES AND METER BOX

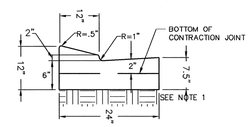
NOTE: 1½" AND LARGER WATER METER SHALL CONFORM TO STANDARD FOR LARGE METERS.

ELK RIDGE TOWN
SUBDIVISION STANDARD DETAILS
WATER LINE DETAILS

Fire Hydrants: The detail provided in the plan set is not up to date. Please use the attached APWA (2012) detail. The AWWA C502 fire hydrant shall be provided with one (1) 4-1/2" pumper nozzle and two (2) 2-1/2" hose nozzles. Connection shall be via FLxMJ valve to a FL lateral off the main as shown on the detail.

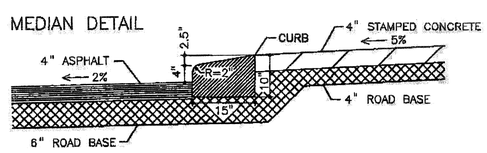
Water Services: All service laterals shall be 1" CTS HDPE SDR 9 with NSF 61 Certification. All meter barrels shall be "white" HDPE. Tapping saddles shall be epoxy coated and double strapped with stainless steel hardware.

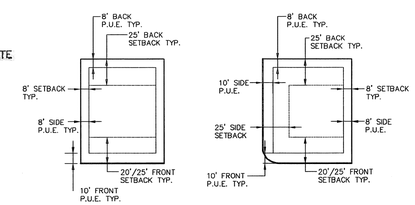
Water Valves: All valves shall be FLxMJ connected directly to FL tees and crosses.



TYPE B-CURB DETAIL

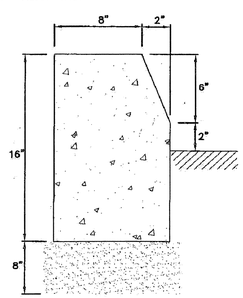
-NTS-





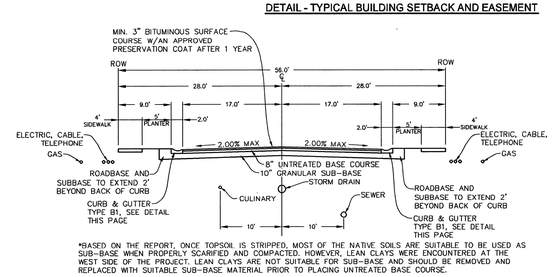
INTERIOR LOT — CORNER LOT

DETAIL - TYPICAL BUILDING SETBACK AND EASEMENT



CONCRETE AREA = 1.0278 SQ. FT.

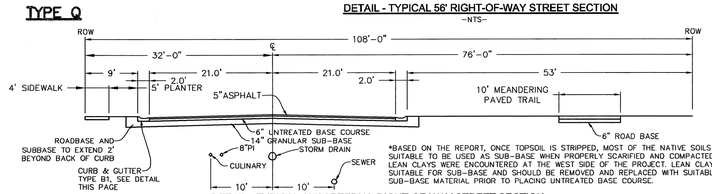
TYPE Q



*BASED ON THE REPORT, ONCE TOPSOIL IS STRIPPED, MOST OF THE NATIVE SOILS ARE SUITABLE TO BE USED AS SUB-BASE WHEN PROPERLY SCARIFIED AND COMPACTED. HOWEVER, LEAN CLAYS WERE ENCOUNTERED AT THE WEST SIDE OF THE PROJECT. LEAN CLAYS ARE NOT SUITABLE FOR SUB-BASE AND SHOULD BE REMOVED AND REPLACED WITH SUITABLE SUB-BASE MATERIAL PRIOR TO PLACING UNTREATED BASE COURSE.

DETAIL - TYPICAL 56' RIGHT-OF-WAY STREET SECTION

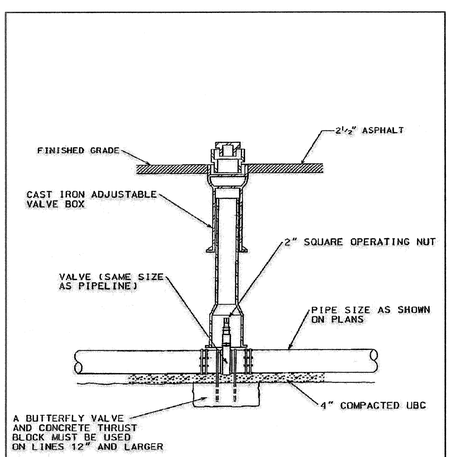
-NTS-



*BASED ON THE REPORT, ONCE TOPSOIL IS STRIPPED, MOST OF THE NATIVE SOILS ARE SUITABLE TO BE USED AS SUB-BASE WHEN PROPERLY SCARIFIED AND COMPACTED. HOWEVER, LEAN CLAYS WERE ENCOUNTERED AT THE WEST SIDE OF THE PROJECT. LEAN CLAYS ARE NOT SUITABLE FOR SUB-BASE AND SHOULD BE REMOVED AND REPLACED WITH SUITABLE SUB-BASE MATERIAL PRIOR TO PLACING UNTREATED BASE COURSE.

DETAIL - TYPICAL 108' ARTERIAL RIGHT-OF-WAY STREET SECTION

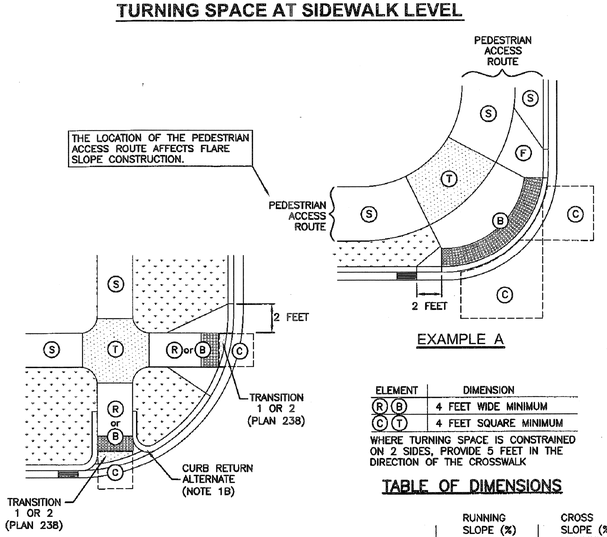
-NTS-



WATER VALVE DETAIL

ELK RIDGE TOWN
SUBDIVISION STANDARD DETAILS
WATER VALVE DETAILS

TURNING SPACE AT SIDEWALK LEVEL



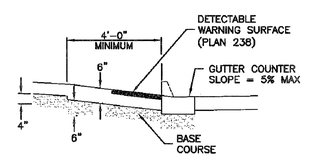
EXAMPLE A

EXAMPLE B

ELEMENT	DIMENSION
(R)(B)	4 FEET WIDE MINIMUM
(C)(T)	4 FEET SQUARE MINIMUM

WHERE TURNING SPACE IS CONSTRAINED ON 2 SIDES, PROVIDE 5 FEET IN THE DIRECTION OF THE CROSSWALK

TABLE OF DIMENSIONS



MATERIALS

	RUNNING SLOPE (%) MAXIMUM	CROSS SLOPE (%) MAXIMUM
TURNING SPACE (T)	2	2
CURB RAMP (R)	8.33	2 (c)
BLENDED TRANSITION (B)	5	2 (c)
CLEAR SPACE (C)	5	2 (c)
SIDEWALK (S)	STREET GRADE	2
FLARE (F)	10	--

(a) RUNNING SLOPE IS IN THE DIRECTION OF PEDESTRIAN TRAVEL. RUNNING SLOPE OF FLARE IS PARALLEL TO BACK OF CURB.
(b) CROSS SLOPE IS PERPENDICULAR TO DIRECTION OF PEDESTRIAN TRAVEL.
(c) SLOPE MAY EQUAL STREET OR HIGHWAY GRADE AT CROSSWALKS WITHOUT VEHICULAR YIELD OR STOP CONTROL.

SLOPE TABLE

SHEET NO. 9

DETAIL SHEET

ELK RIDGE, UTAH
COUNTY, UTAH

ELK RIDGE MEADOWS PHASE 7
A SINGLE FAMILY DEVELOPMENT

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0101
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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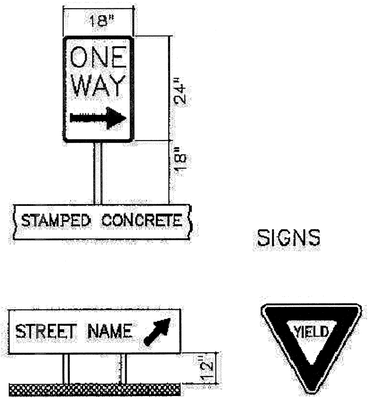
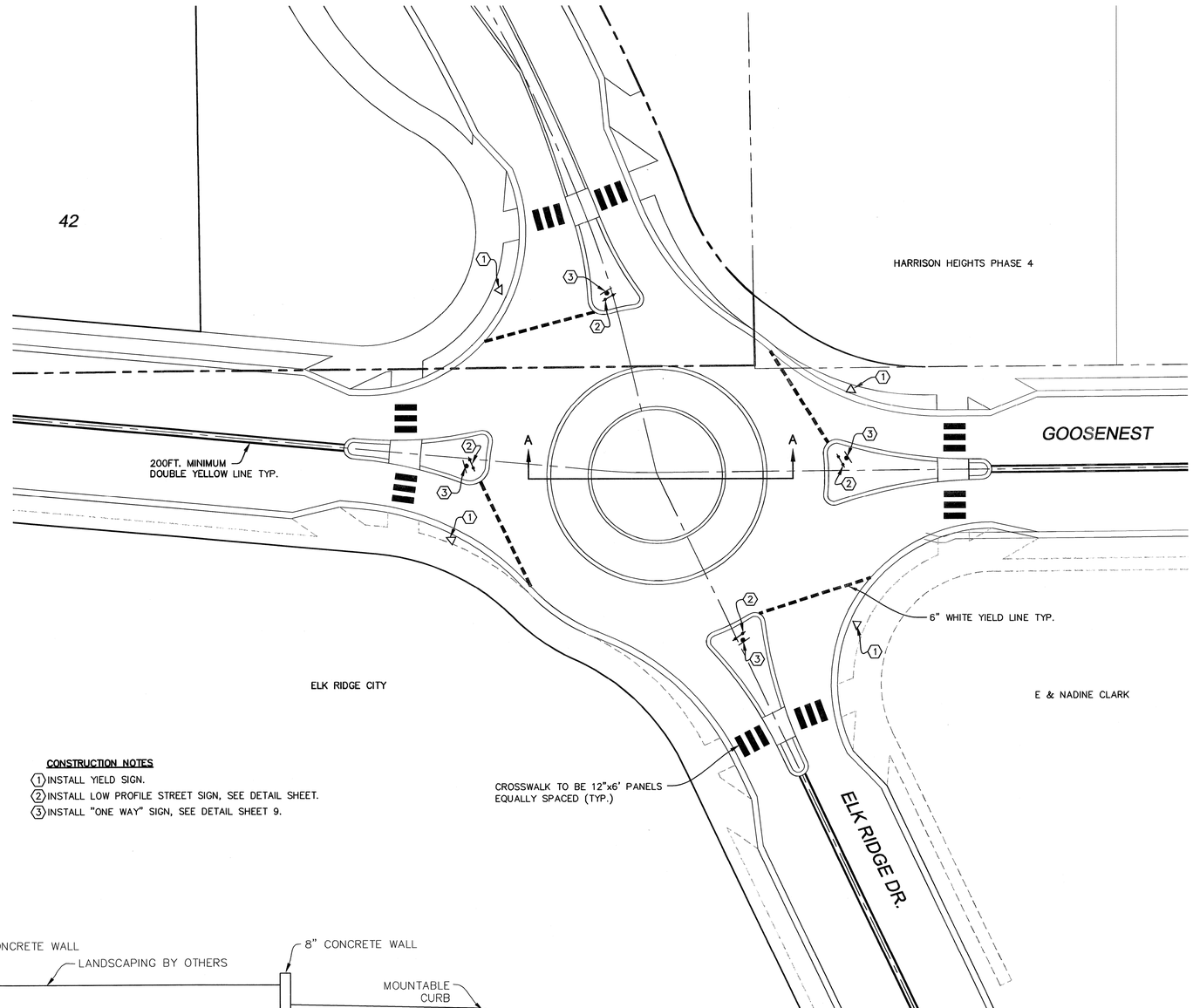
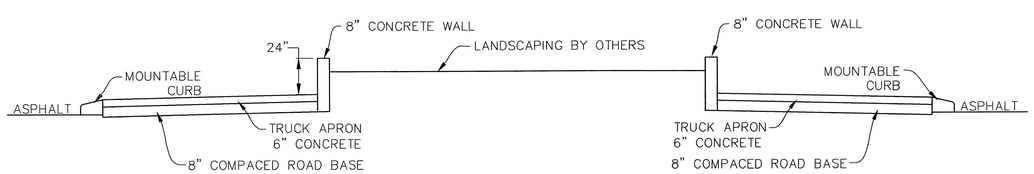




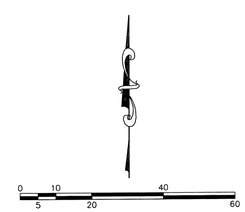
CONSTRUCTION NOTES

1. INSTALL YIELD SIGN.
2. INSTALL LOW PROFILE STREET SIGN, SEE DETAIL SHEET.
3. INSTALL "ONE WAY" SIGN, SEE DETAIL SHEET 9.



SECTION A–A

–NTS–



–24"x36"–
SCALE 1" = 20'
–11"x17"–
SCALE 1" = 40'

SHEET NO. 10

ROUNDABOUT STRIPING/ SIGNING PLAN

STREET PLAN & PROFILE

ELK RIDGE MEADOWS PHASE 7

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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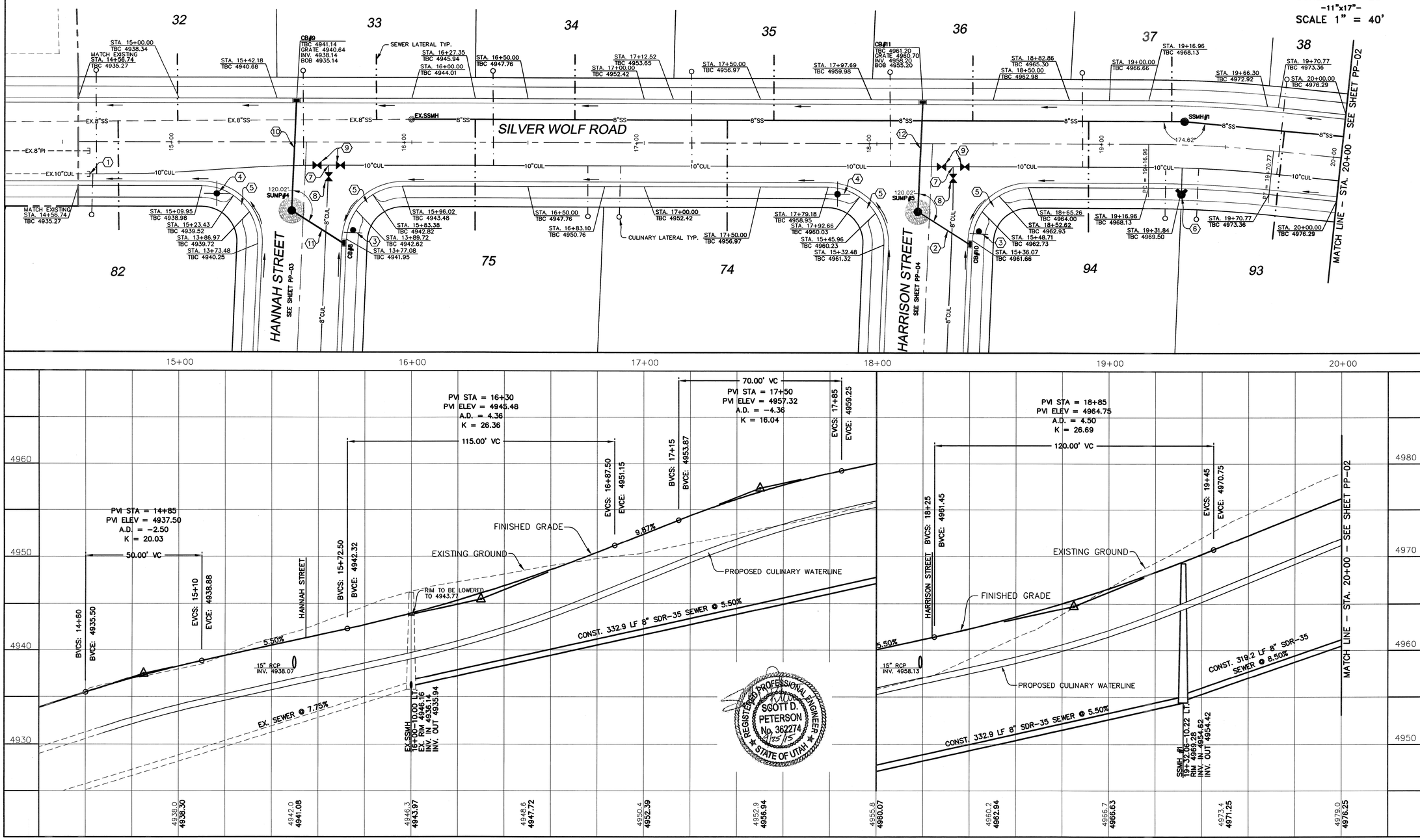
CONSTRUCTION NOTES

1. LOCATE & TIE TO EXISTING 10" CULINARY WATERLINE
2. CONST. 25.9 L.F. 15" RCP STORM DRAIN @ 2.86%
3. INSTALL STOP SIGN PER ELK RIDGE CITY STANDARDS
4. INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS
5. CONST. PEDESTRIAN ACCESS RAMP PER ELK RIDGE CITY STANDARDS
6. INSTALL FIRE HYDRANT ASSEMBLY PER ELK RIDGE CITY STANDARDS.
7. INSTALL 10"x10"x8" TEE PER ELK RIDGE CITY STANDARDS
8. INSTALL 8" CULINARY WATER VALVE PER ELK RIDGE CITY STANDARDS
9. INSTALL 10" CULINARY WATER VALVE PER ELK RIDGE CITY STANDARDS.
10. CONST. 47.1 L.F. 15" RCP STORM DRAIN @ 1.61%
11. CONST. 25.9 L.F. 15" RCP STORM DRAIN @ 6.06%
12. CONST. 47.1 L.F. 15" RCP STORM DRAIN @ 0.59%

-24"x36"-
SCALE 1" = 20'
-11"x17"-
SCALE 1" = 40'



SHEET NO. PP-01

SILVER WOLF ROAD
STA. 14+56.74 TO STA. 20+00

STREET PLAN & PROFILE

ELK RIDGE MEADOWS
PHASE 7

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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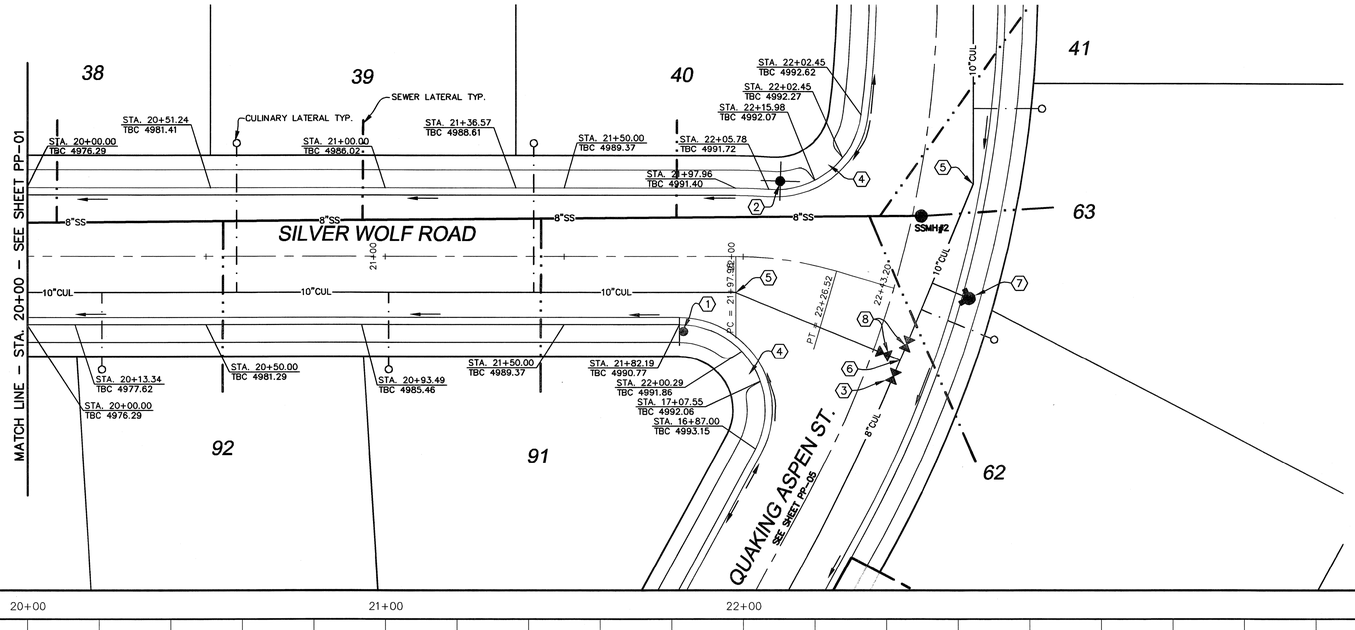
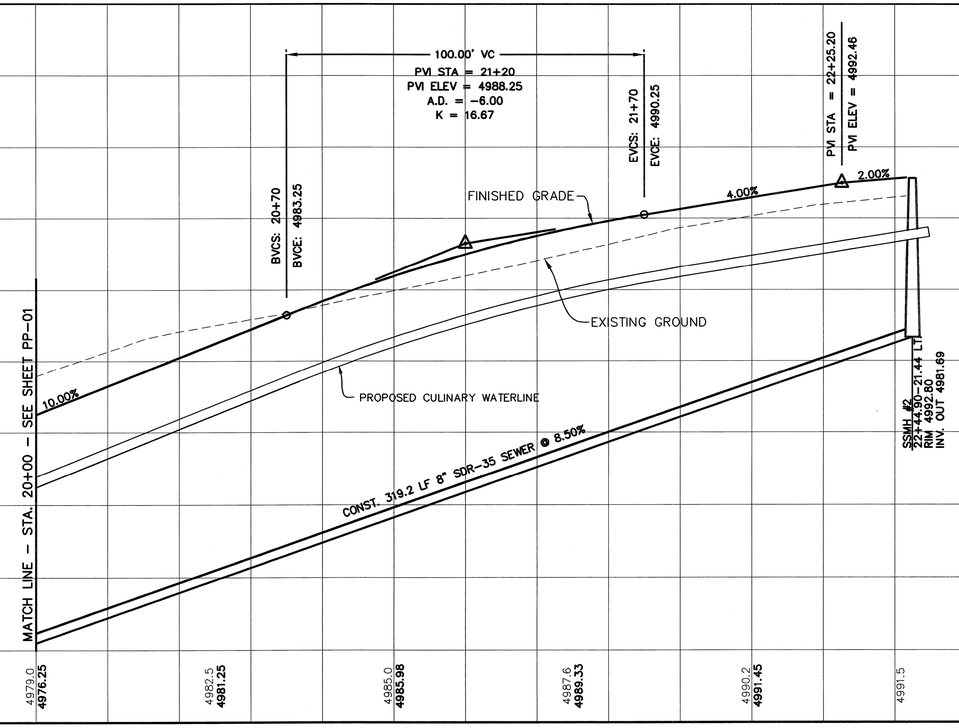


CONSTRUCTION NOTES

1. INSTALL STOP SIGN PER ELK RIDGE CITY STANDARDS
2. INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS
3. INSTALL 8" CULINARY WATER VALVE PER ELK RIDGE CITY STANDARDS.
4. CONST. PEDESTRIAN ACCESS RAMP PER ELK RIDGE CITY STANDARDS
5. INSTALL 22.5° BEND..
6. INSTALL 10"x10"x8" TEE PER ELK RIDGE CITY STANDARDS
7. INSTALL FIRE HYDRANT ASSEMBLY PER ELK RIDGE CITY STANDARDS.
8. INSTALL 10" CULINARY WATER VALVE PER ELK RIDGE CITY STANDARDS.

0 10 40
5 20 60

-24"x36"-
SCALE 1" = 20'
-11"x17"-
SCALE 1" = 40'



REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
8/25/15
STATE OF UTAH

SHEET NO.
PP-02

SILVER WOLF ROAD
STA. 20+00 TO STA. 22+43.20

STREET PLAN & PROFILE

ELK RIDGE MEADOWS
PHASE 7

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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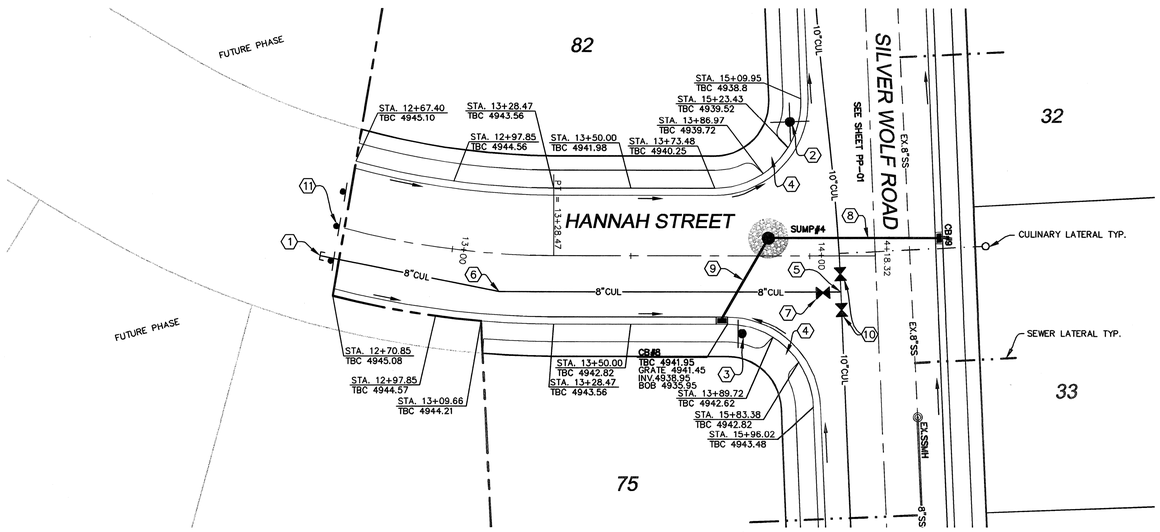
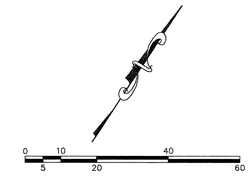
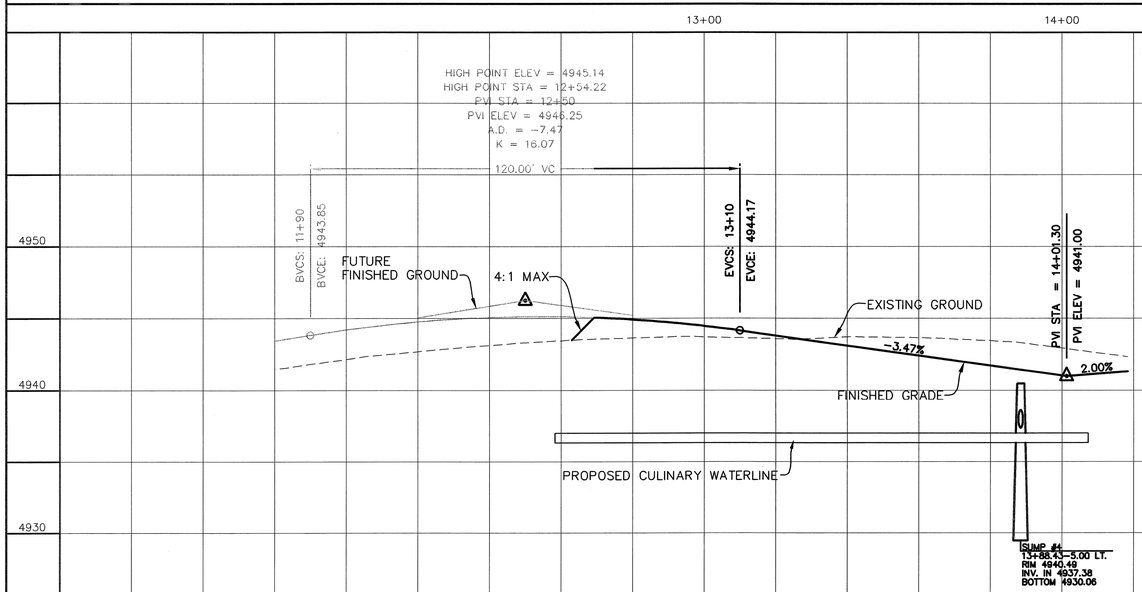




-24"x36"-
SCALE 1" = 20'
-11"x17"-
SCALE 1" = 40'

CONSTRUCTION NOTES

1. CAP/PLUG & MARK TO SURFACE PROPOSED 8" CULINARY WATERLINE.
2. INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS
3. INSTALL STOP SIGN PER ELK RIDGE CITY STANDARDS
4. CONST. PEDESTRIAN ACCESS RAMP PER ELK RIDGE CITY STANDARDS
5. INSTALL 10"x10"x8" TEE PER ELK RIDGE CITY STANDARDS
6. INSTALL 8" 11.25° BEND
7. INSTALL 8" CULINARY WATER VALVE PER ELK RIDGE CITY STANDARDS.
8. CONST. 47.1 L.F. 15" RCP STORM DRAIN @ 1.61%
9. CONST. 25.9 L.F. 15" RCP STORM DRAIN @ 6.06%
10. INSTALL 10" CULINARY WATER VALVE PER ELK RIDGE CITY STANDARDS.
11. INSTALL (3) OM4-3 SIGNS AT END OF ASPHALT.



SHEET NO.
PP-03

HANNAH STREET
STA. 12+67.40 TO STA. 14+18.32

STREET PLAN & PROFILE

ELK RIDGE MEADOWS
PHASE 7

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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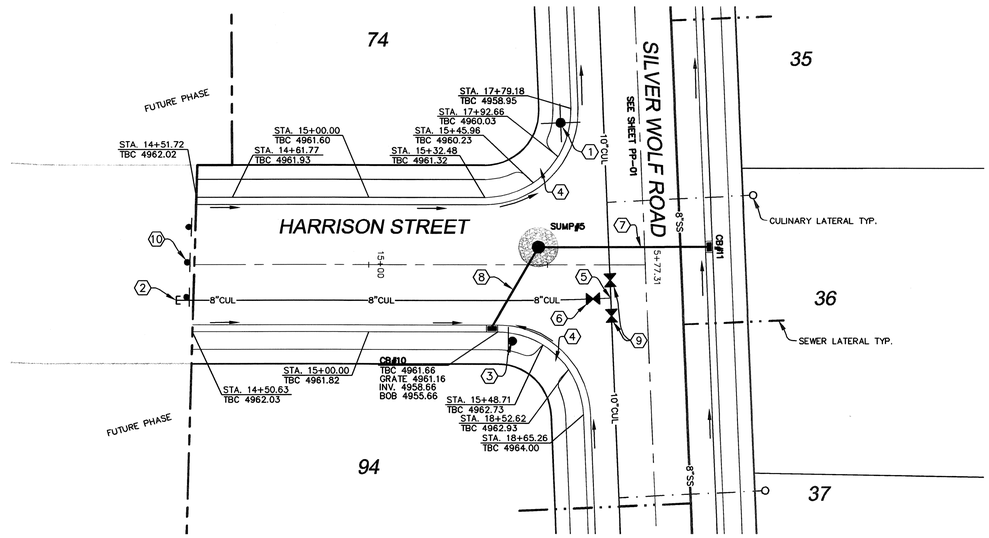
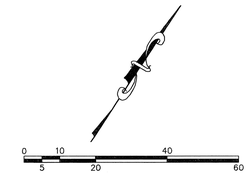
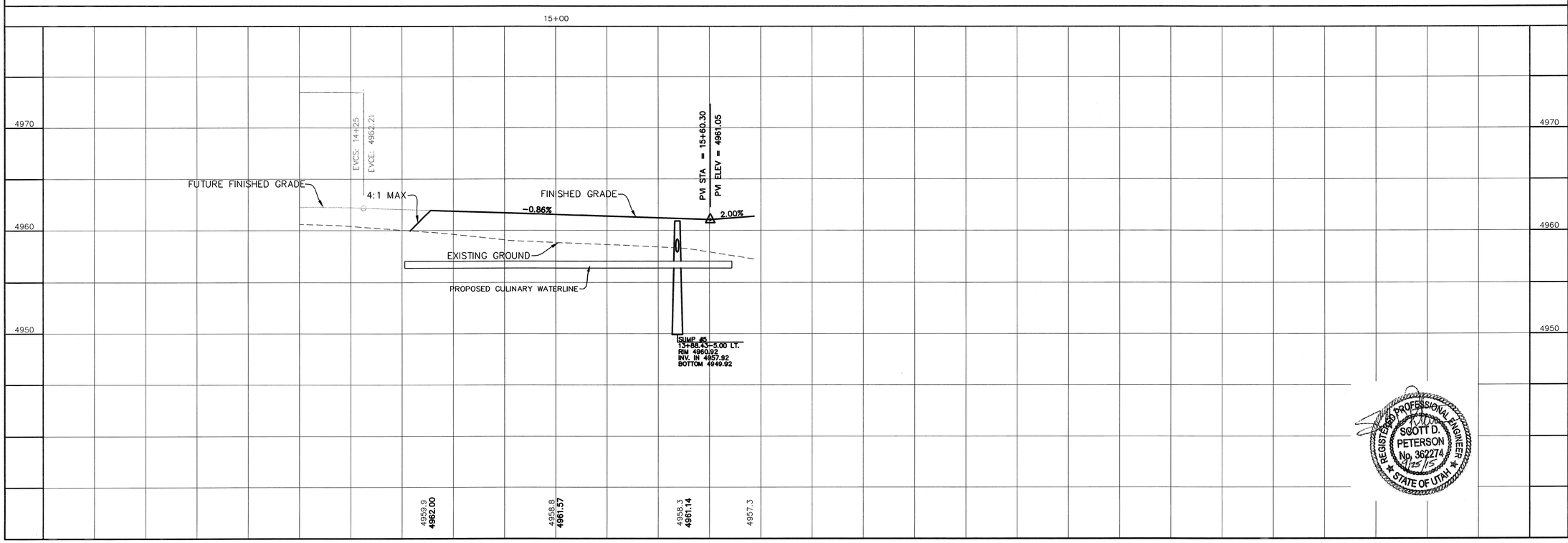




-24"x36"-
SCALE 1" = 20'
-11"x17"-
SCALE 1" = 40'

CONSTRUCTION NOTES

1. INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS.
2. CAP/PLUG & MARK TO SURFACE PROPOSED 8" CULINARY WATERLINE.
3. INSTALL STOP SIGN PER ELK RIDGE CITY STANDARDS
4. CONST. PEDESTRIAN ACCESS RAMP PER ELK RIDGE CITY STANDARDS
5. INSTALL 10"x10"x8" TEE PER ELK RIDGE CITY STANDARDS
6. INSTALL 8" CULINARY WATER VALVE PER ELK RIDGE CITY STANDARDS.
7. CONST. 47.1 L.F. 15" RCP STORM DRAIN @ 0.59%
8. CONST. 25.9 L.F. 15" RCP STORM DRAIN @ 2.86%
9. INSTALL 10" CULINARY WATER VALVE PER ELK RIDGE CITY STANDARDS.
10. INSTALL (3) OM4-3 SIGNS AT END OF ASPHALT.



REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
8/25/15
STATE OF UTAH

SHEET NO.
PP-04

HARRISON STREET
STA. 14+50.63 TO STA. 15+77.31

STREET PLAN & PROFILE

ELK RIDGE MEADOWS
PHASE 7

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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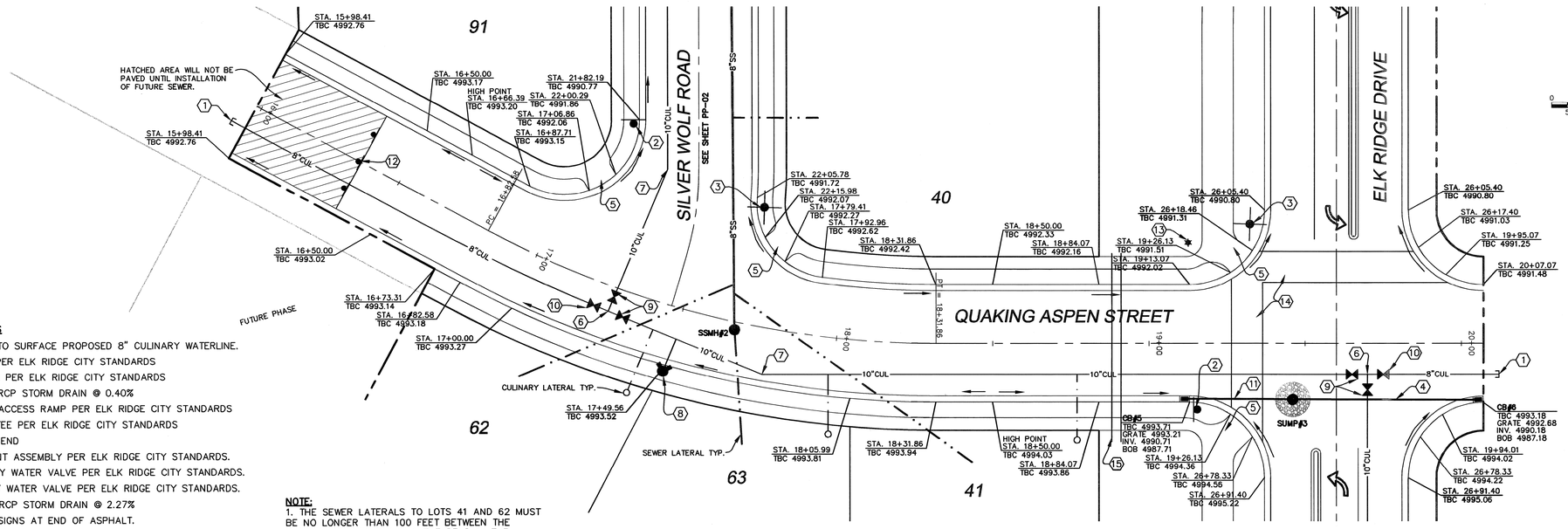


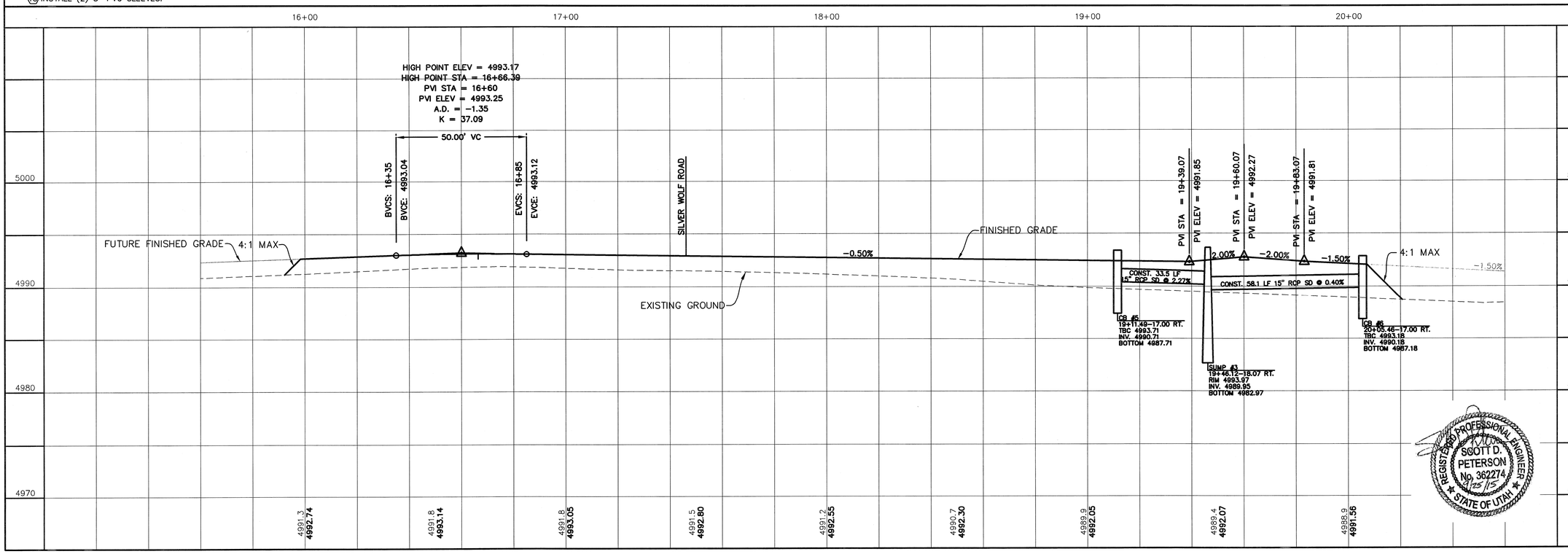
CONSTRUCTION NOTES

1. CAP/PLUG & MARK TO SURFACE PROPOSED 8" CULINARY WATERLINE.
2. INSTALL STOP SIGN PER ELK RIDGE CITY STANDARDS
3. INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS
4. CONST. 58.1 LF 15" RCP STORM DRAIN @ 0.40%
5. CONST. PEDESTRIAN ACCESS RAMP PER ELK RIDGE CITY STANDARDS
6. INSTALL 10"x10"x8" TEE PER ELK RIDGE CITY STANDARDS
7. INSTALL 10" 22.50° BEND
8. INSTALL FIRE HYDRANT ASSEMBLY PER ELK RIDGE CITY STANDARDS.
9. INSTALL 10" CULINARY WATER VALVE PER ELK RIDGE CITY STANDARDS.
10. INSTALL 8" CULINARY WATER VALVE PER ELK RIDGE CITY STANDARDS.
11. CONST. 33.5 LF 15" RCP STORM DRAIN @ 2.27%
12. INSTALL (3) OM4-3 SIGNS AT END OF ASPHALT.
13. INSTALL STREETLIGHT PER ELK RIDGE CITY STANDARDS.
14. INSTALL CROSSWALK PER ELK RIDGE CITY STANDARDS.
15. INSTALL (2) 8" PVC SLEEVES.

NOTE:
1. THE SEWER LATERALS TO LOTS 41 AND 62 MUST BE NO LONGER THAN 100 FEET BETWEEN THE MAINLINE CONNECTION AND THE BEND IN THE SERVICE. A CLEAN OUT WILL NEED TO BE LOCATED AT THE BEND.

0 10 20 40 5 60

-24"x36"-
SCALE 1" = 20'
-11"x17"-
SCALE 1" = 40'



REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
9/25/15
STATE OF UTAH

SHEET NO.
PP-05

QUAKING ASPEN STREET
STA. 15+98.41 TO STA. 20+07.07

STREET PLAN & PROFILE

ELK RIDGE MEADOWS
PHASE 7

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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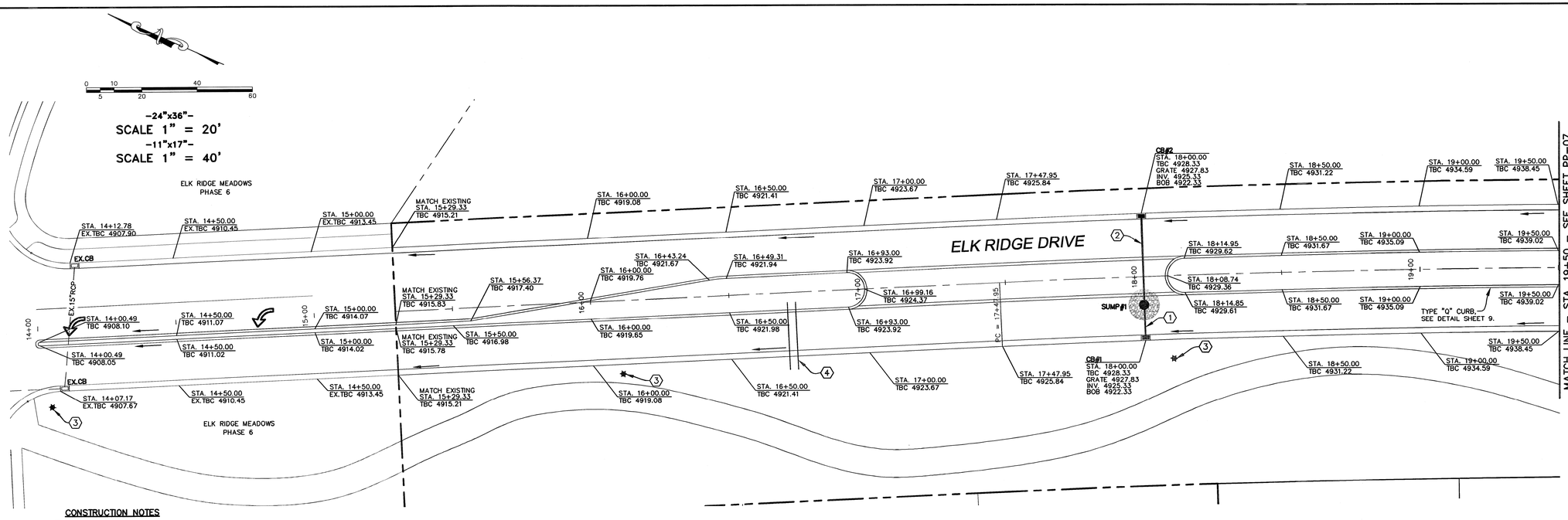
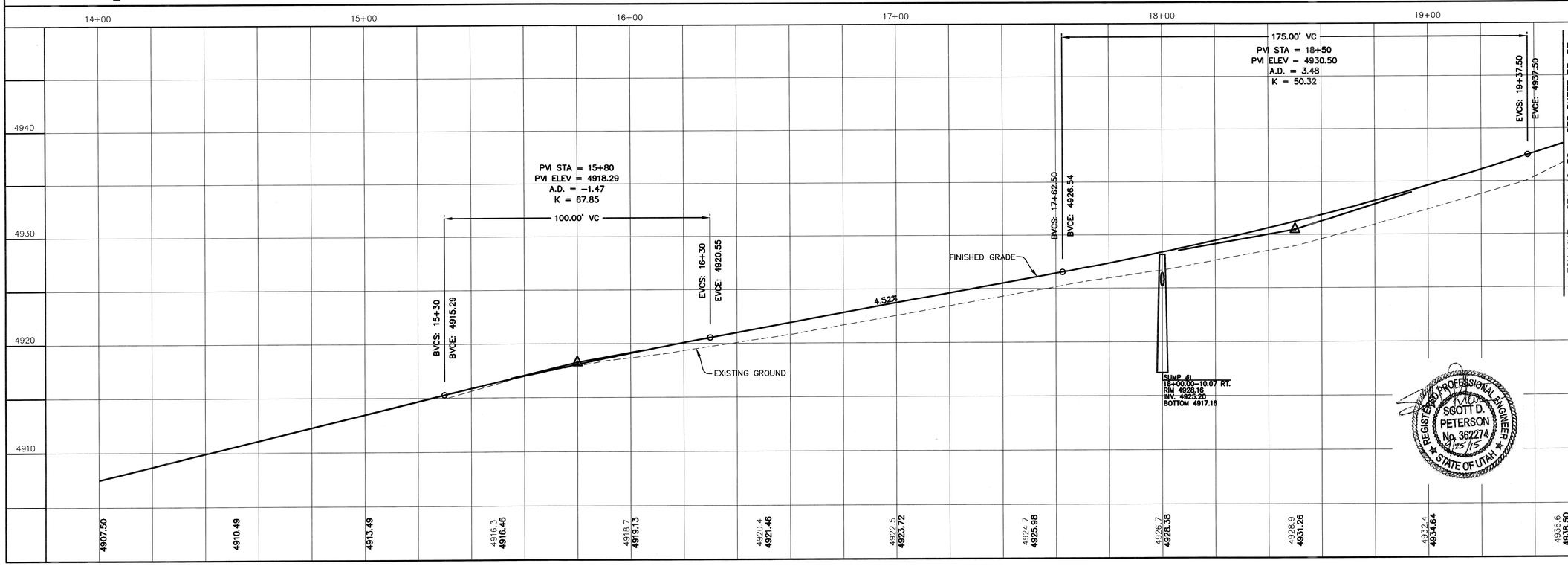


CONSTRUCTION NOTES

1. CONST. 11.3 LF 15" RCP STORM DRAIN @ 1.15%
2. CONST. 31.5 LF 15" RCP STORM DRAIN @ 0.40%
3. INSTALL STREETLIGHT PER ELK RIDGE CITY STANDARDS.
4. INSTALL (2) 4" PVC SLEEVES.



REGISTERED PROFESSIONAL ENGINEER SCOTT D. PETERSON No. 362274 9/25/15 STATE OF UTAH

SHEET NO. PP-06

ELK RIDGE DRIVE
STA. 14+00 TO STA. 19+50

STREET PLAN & PROFILE

ELK RIDGE MEADOWS PHASE 7

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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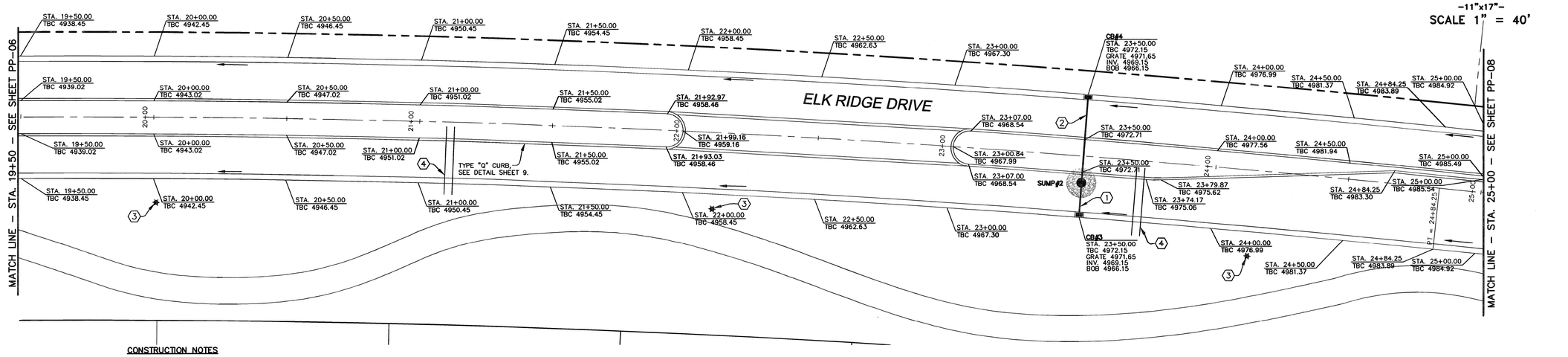
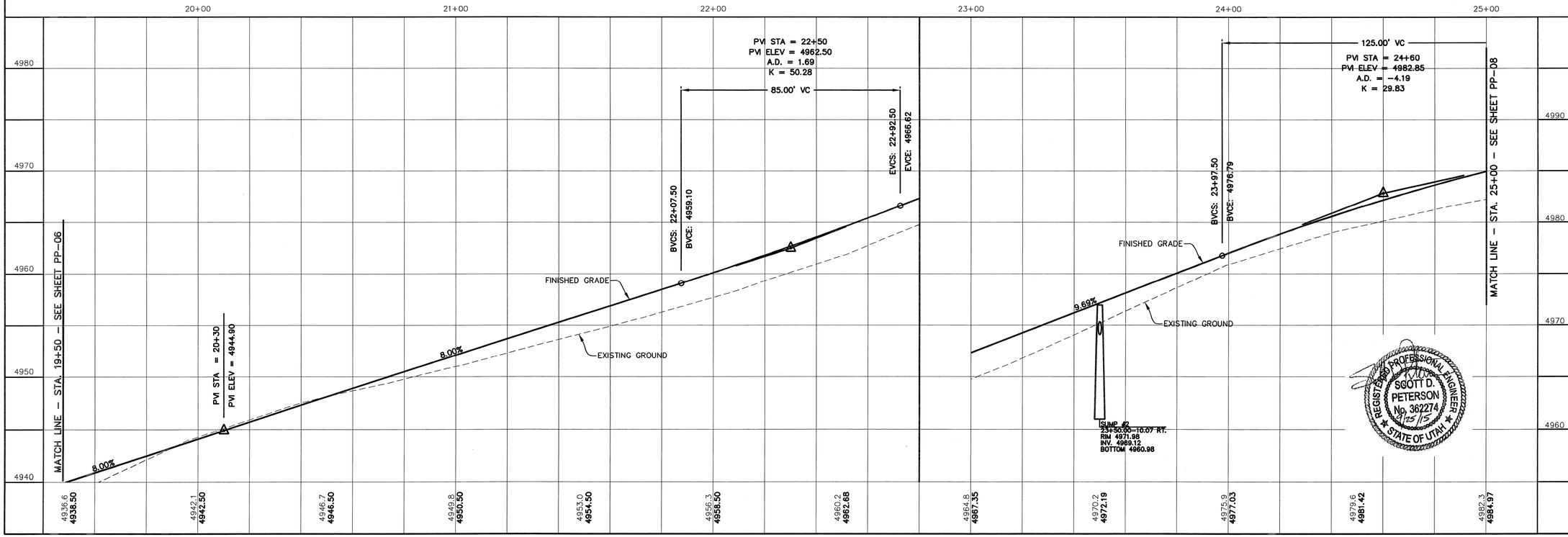


CONSTRUCTION NOTES

1. CONST. 11.3 LF 15" RCP STORM DRAIN @ 1.15%
2. CONST. 31.5 LF 15" RCP STORM DRAIN @ 0.40%
3. INSTALL STREETLIGHT PER ELK RIDGE CITY STANDARDS.
4. INSTALL (2) 4" PVC SLEEVES.



REGISTERED PROFESSIONAL ENGINEER SCOTT D. PETERSON No. 362274 8/25/15 STATE OF UTAH

SHEET NO.
PP-07

ELK RIDGE DRIVE
STA. 19+50 TO STA. 25+00

STREET PLAN & PROFILE

ELK RIDGE MEADOWS
PHASE 7

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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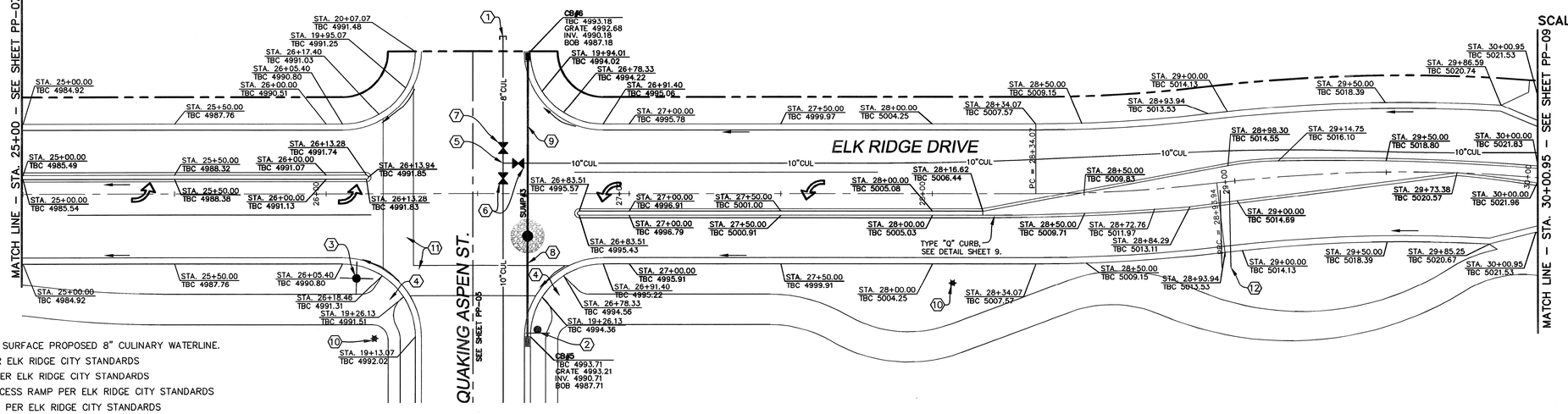
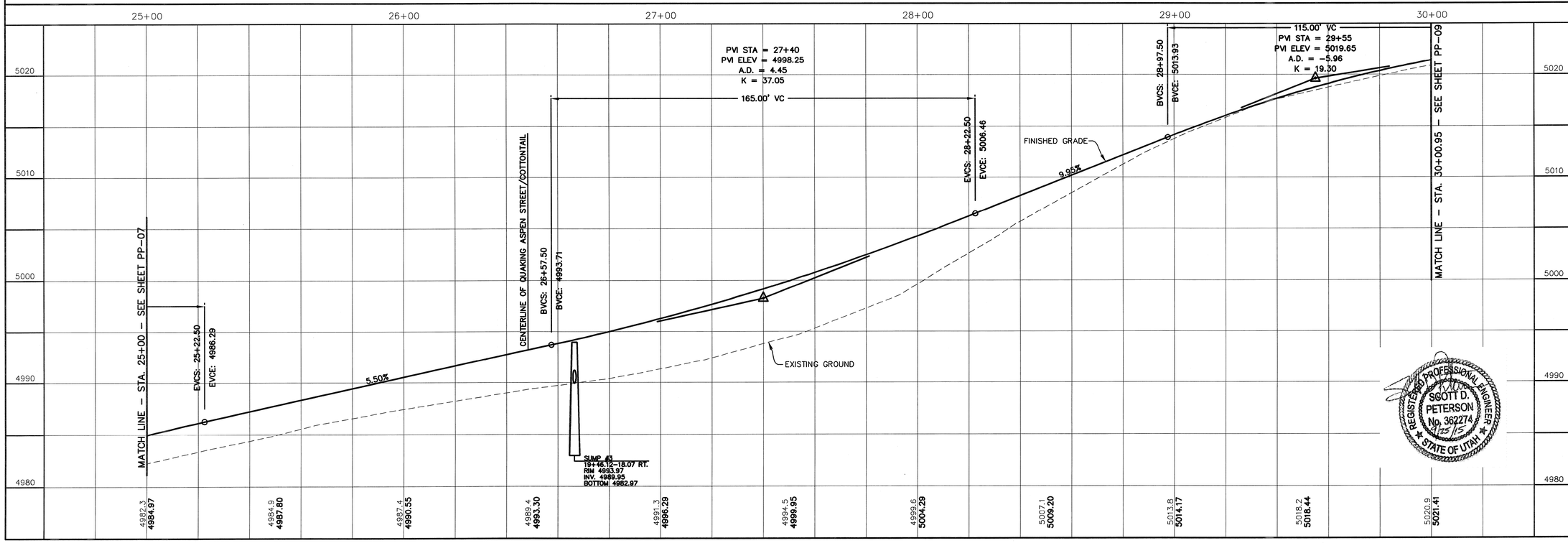


-24"x36"-
SCALE 1" = 20'
-11"x17"-
SCALE 1" = 40'

CONSTRUCTION NOTES

1. CAP/PLUG & MARK TO SURFACE PROPOSED 8" CULINARY WATERLINE.
2. INSTALL STOP SIGN PER ELK RIDGE CITY STANDARDS
3. INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS
4. CONST. PEDESTRIAN ACCESS RAMP PER ELK RIDGE CITY STANDARDS
5. INSTALL 10"x10"x8" TEE PER ELK RIDGE CITY STANDARDS
6. INSTALL 10" CULINARY WATER VALVE PER ELK RIDGE CITY STANDARDS.
7. INSTALL 8" CULINARY WATER VALVE PER ELK RIDGE CITY STANDARDS.
8. CONST. 33.5 LF 15" RCP STORM DRAIN @ 2.27%
9. CONST. 58.1 LF 15" RCP STORM DRAIN @ 0.40%
10. INSTALL STREETLIGHT PER ELK RIDGE CITY STANDARDS.
11. CONSTRUCT CROSSWALK PER ELK RIDGE CITY STANDARDS.
12. INSTALL (2) 4" PVC SLEEVES.



REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
8/25/15
STATE OF UTAH

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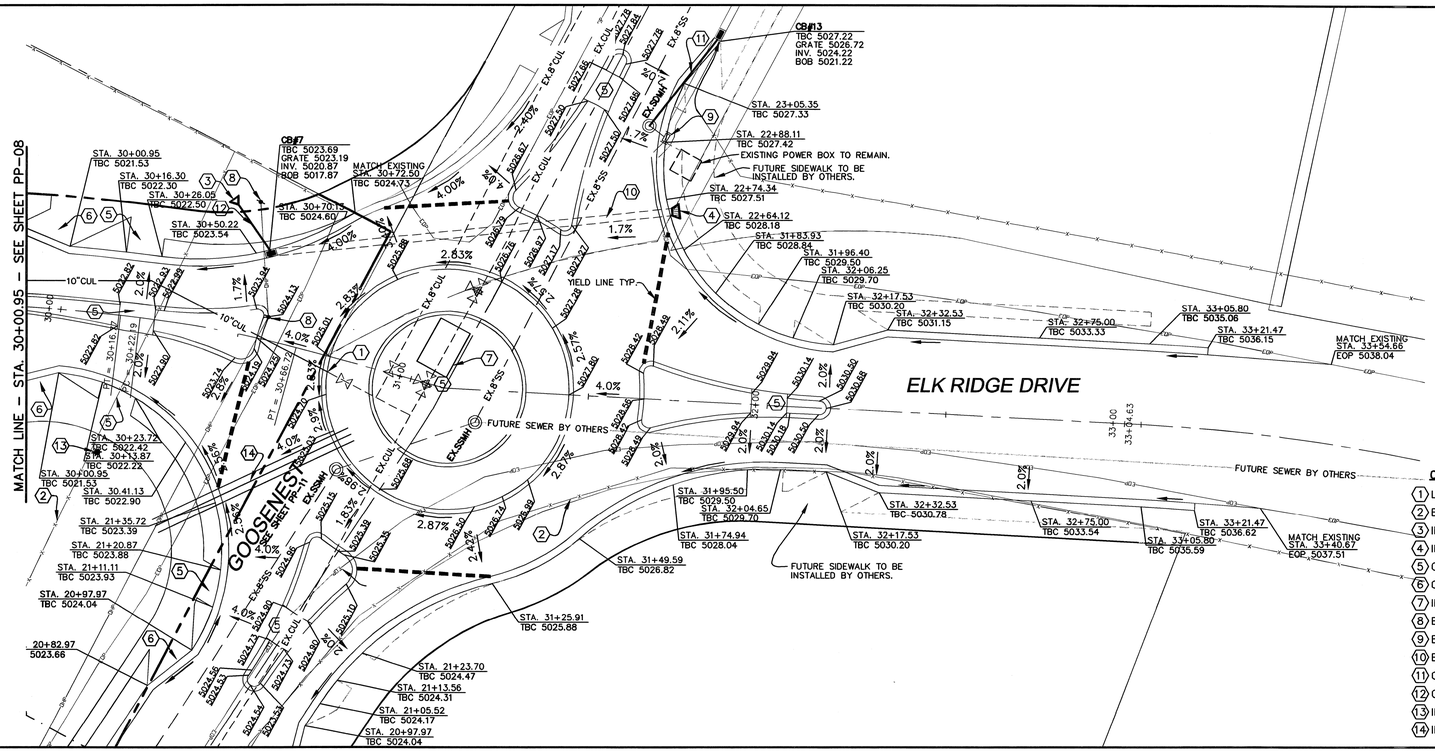
SHEET NO.
PP-08

ELK RIDGE DRIVE
STA. 25+00 TO STA. 30+00.95

STREET PLAN & PROFILE

ELK RIDGE MEADOWS PHASE 7

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

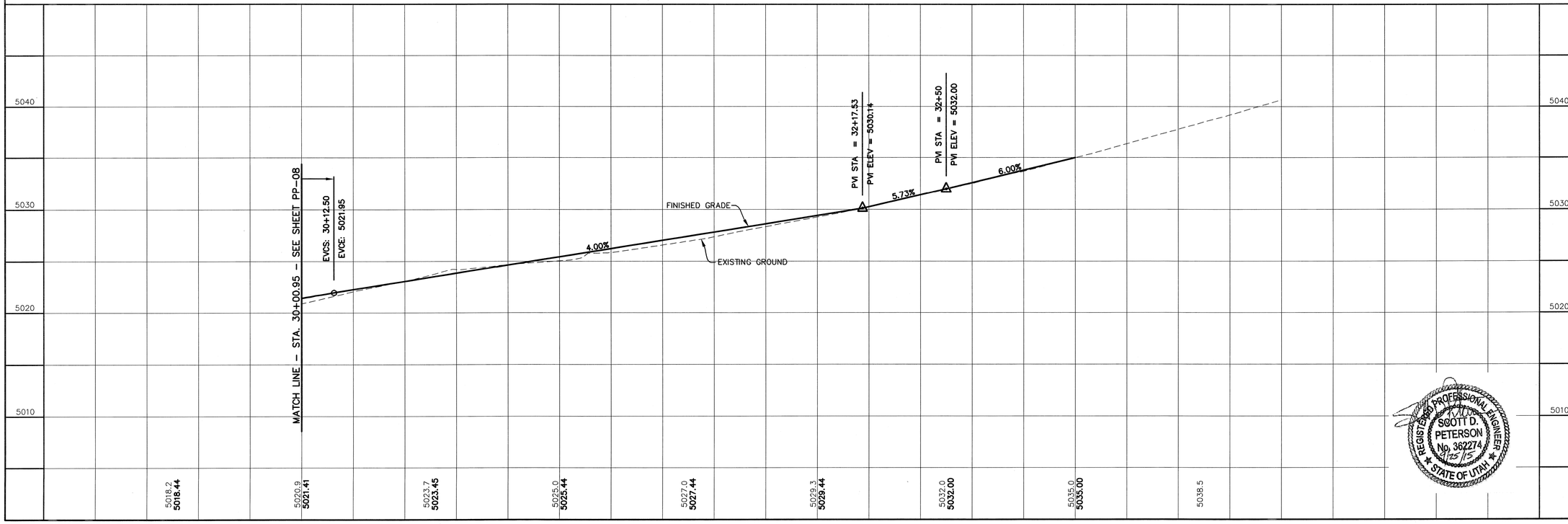


0 10 40
5 20 60

-24"x36"-
SCALE 1" = 20'
-11"x17"-
SCALE 1" = 40'

CONSTRUCTION NOTES

1. LOCATE AND TIE TO EXISTING 10" CULINARY WATERLINE.
2. EXISTING FENCE TO BE REMOVED.
3. INSTALL 24" END SECTION.
4. INSTALL 24" END SECTION W/TRASH GRATE.
5. CONST. PEDESTRIAN ACCESS RAMP PER ELK RIDGE CITY STANDARDS
6. CONSTRUCT BIKE RAMP.
7. INSTALL PRV PER DETAIL, SHEET CP-9.
8. EXISTING OVERHEAD POWER TO BE BURIED.
9. EXISTING CATCH BASIN TO BE RELOCATED.
10. EXISTING PIPE TO REMAIN.
11. CONST. 30.7 LF 15" RCP STORM DRAIN @ 0.40%
12. CONST. 15.81 LF 24" RCP STORM DRAIN @ 0.40%
13. INSTALL STREETLIGHT PER ELK RIDGE CITY STANDARDS.
14. INSTALL (3) 4" PVC SLEEVES.



REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
12/15/15
STATE OF UTAH

SHEET NO.
PP-09

ELK RIDGE DRIVE
STA. 30+00.95 TO STA. 33+54.66

STREET PLAN & PROFILE

ELK RIDGE MEADOWS
PHASE 7

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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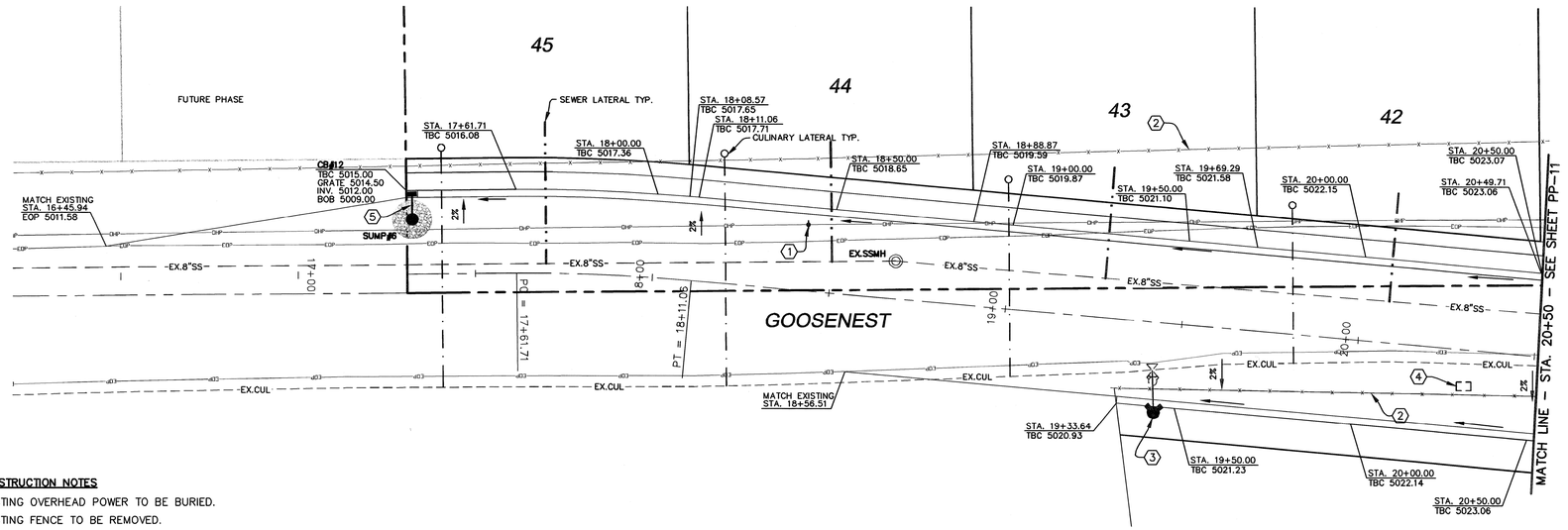
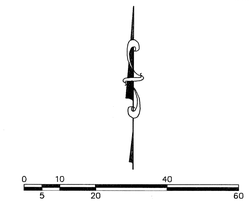
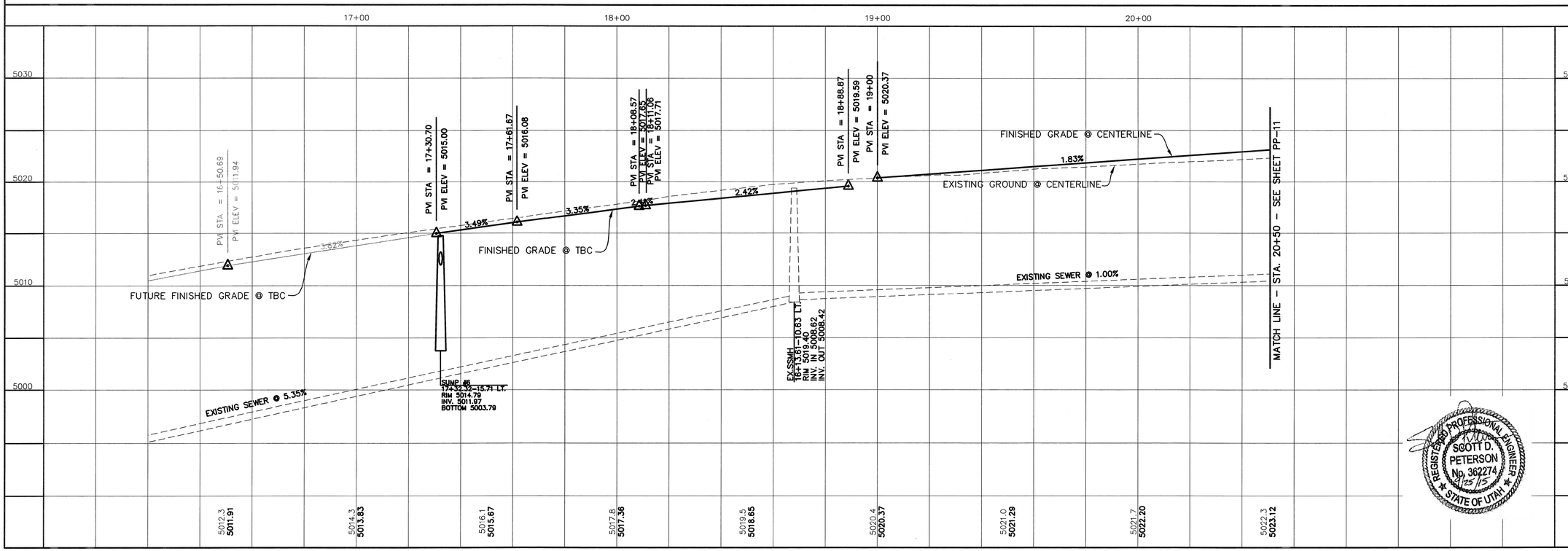


CONSTRUCTION NOTES

1. EXISTING OVERHEAD POWER TO BE BURIED.
2. EXISTING FENCE TO BE REMOVED.
3. EXISTING FIRE HYDRANT TO BE RELOCATED BEHIND NEW CURB & GUTTER.
4. EXISTING TELEPHONE BOX TO BE RELOCATED BEHIND NEW CURB & GUTTER.
5. CONST. 6.7 LF 15" RCP STORM DRAIN @ 0.40%



-24"x36"-
SCALE 1" = 20'
-11"x17"-
SCALE 1" = 40'



REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
8/25/15
STATE OF UTAH

SHEET NO.
PP-10

GOOSENEST DRIVE
STA. 14+50.63 TO STA. 20+50

STREET PLAN & PROFILE

ELK RIDGE MEADOWS
PHASE 7

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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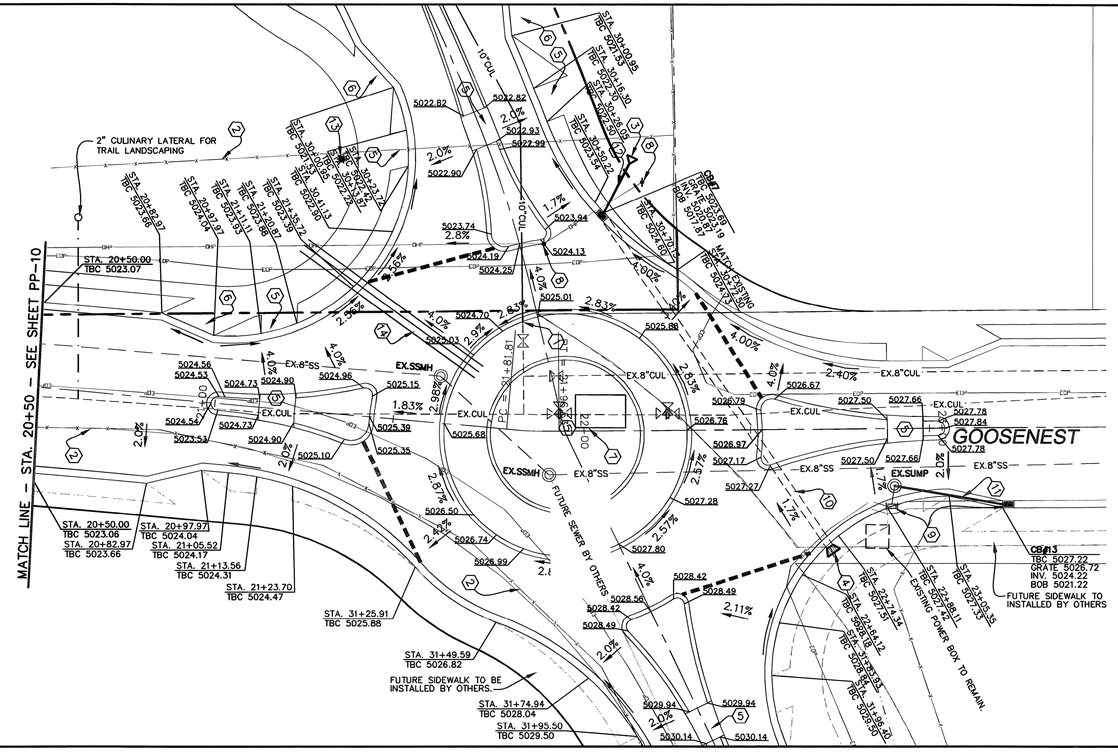
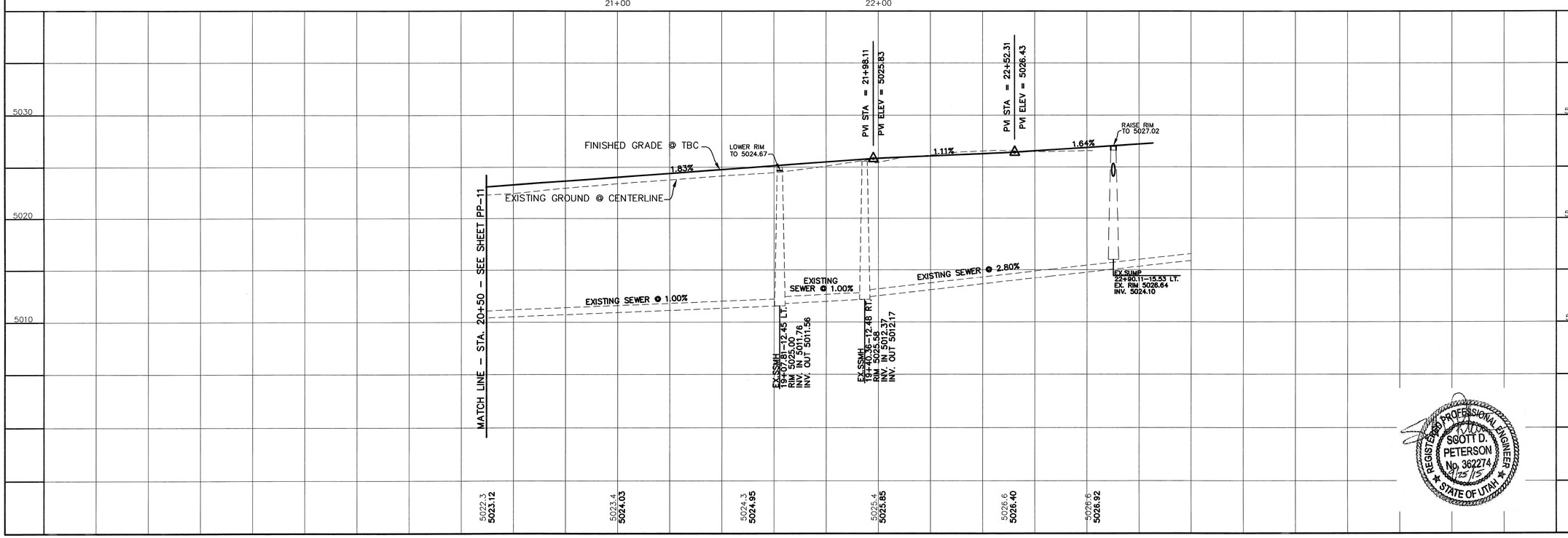


CONSTRUCTION NOTES

1. LOCATE AND TIE TO EXISTING 10" CULINARY WATERLINE.
2. EXISTING FENCE TO BE REMOVED.
3. INSTALL 24" END SECTION.
4. INSTALL 24" END SECTION W/TRASH GRATE.
5. CONST. PEDESTRIAN ACCESS RAMP PER ELK RIDGE CITY STANDARDS
6. CONSTRUCT BIKE RAMP.
7. INSTALL PRV PER DETAIL, SHEET CP-9.
8. EXISTING OVERHEAD POWER TO BE BURIED.
9. EXISTING CATCH BASIN TO BE RELOCATED.
10. EXISTING PIPE TO REMAIN.
11. CONST. 30.7 LF 15" RCP STORM DRAIN @ 0.40%
12. CONST. 15.81 LF 24" RCP STORM DRAIN @ 0.40%
13. INSTALL STREETLIGHT PER ELK RIDGE CITY STANDARDS.
14. INSTALL (3) 4" PVC SLEEVES.

0 10 40
5 20 60

-24"x36"-
SCALE 1" = 20'
-11"x17"-
SCALE 1" = 40'



REGISTERED PROFESSIONAL ENGINEER
SCOTT D. PETERSON
No. 362274
8/25/15
STATE OF UTAH

SHEET NO.
PP-11

GOOSENEST DRIVE
STA. 20+50 TO STA. 23+50

STREET PLAN & PROFILE

ELK RIDGE MEADOWS
PHASE 7

ATLAS ENGINEERING L.L.C.
PHONE: 801-655-0566
FAX: 801-655-0109
95 WEST 200 NORTH #2
SPANISH FORK, UT 84660

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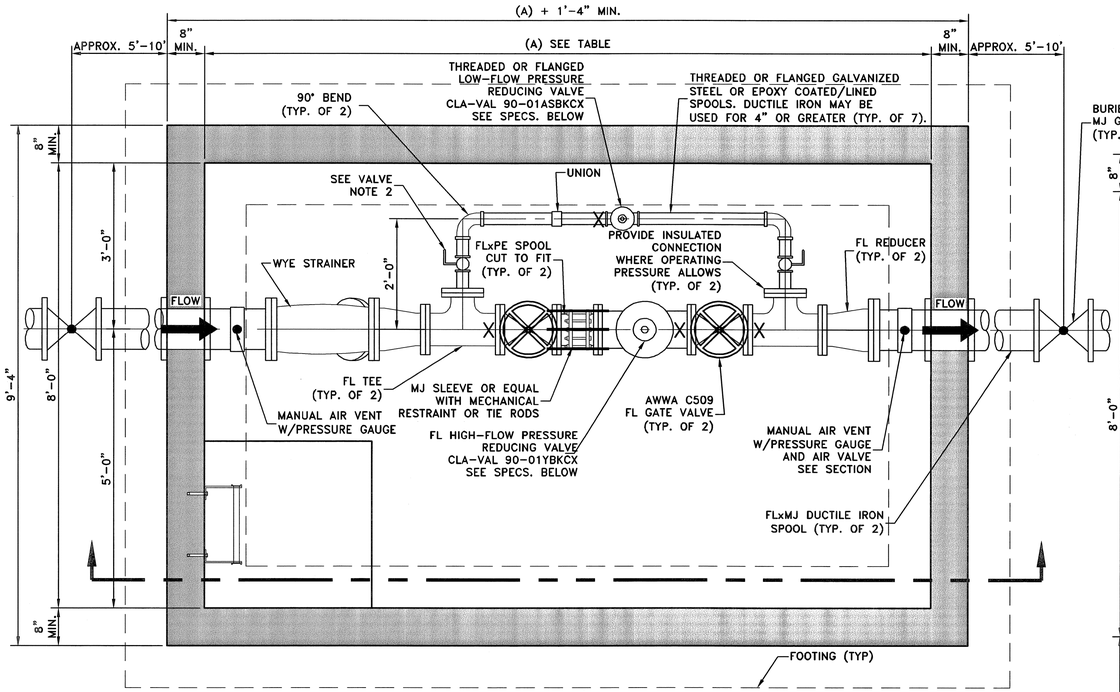
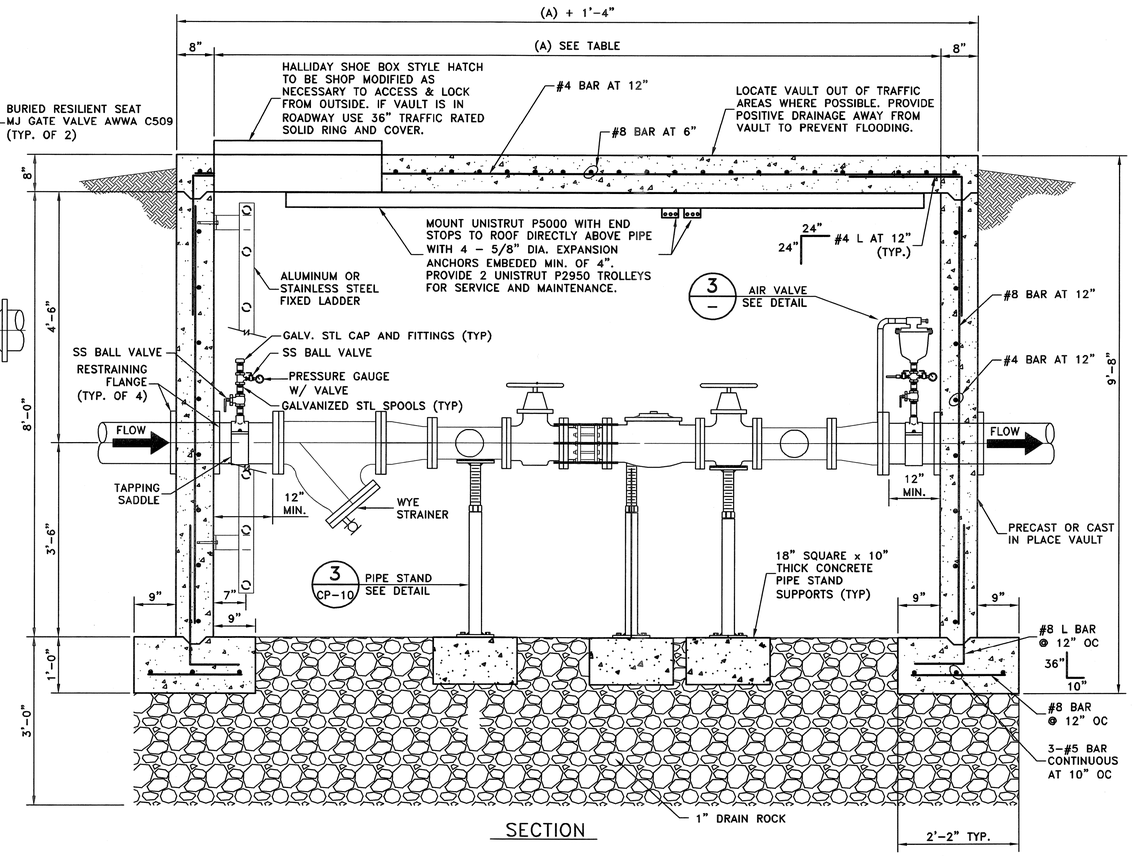


PLAN



SECTION

PRV SPECIFICATIONS:

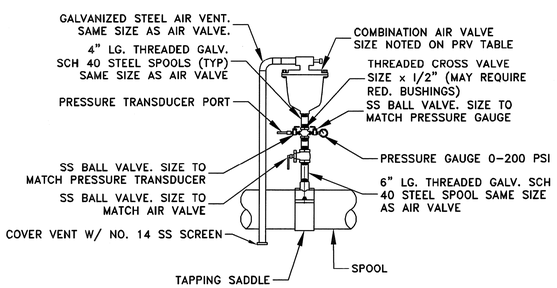
1- 150 LB. CLASS DUCTILE IRON BODY.
2- STAINLESS STEEL TUBES AND FITTINGS.
3- STAINLESS STEEL INTERNAL TRIM.
4- 30-300 PSI STRING RANGE.

PRV VAULT DETAIL (1/-)

SCALE: 3/4" = 1'

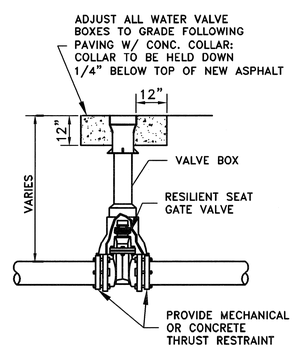
NOTES:

1- THE LOW FLOW LINE VALVES MAY BE BALL VALVES TO 3" AND GATE VALVES FOR 4" OR GREATER.
2- PRECAST VAULTS MAY BE USED. VAULT REINFORCING IS FOR TRAFFIC LOADING. REINFORCEMENT AND VAULT DESIGN MAY BE ALTERED BY DESIGN ENGINEER FOR NON-TRAFFIC LOADING CONDITIONS.
3- PROVIDE INSULATING CONNECTORS BETWEEN DISSIMILAR METALS WHERE OPERATING PRESSURES ALLOW.
4- USE TAPPING SADDLES FOR ALL TAPS. NO DIRECT TAPS ALLOWED.
5- ALL MAINLINE PIPING BETWEEN EXTERIOR GATE VALVES TO BE DUCTILE IRON WITH RESTRAINED JOINTS.
6- USE GALVANIZED FOR PIPE LESS THAN 3"ø AND USE DUCTILE IRON 3"ø AND GREATER.
7- ALL PRV SHALL BE PRESSURE SUSTAINING.



COMBINATION AIR VALVE DETAIL (3/-)

SCALE: N.T.S.



TYPICAL BURIED RESILIENT SEAT GATE VALVE W/VALVE BOX (2/-)

PRESSURE REDUCTION VAULT TABLE

MAIN SIZE	PRV HIGH FLOW SIZE	PRV LOW FLOW SIZE	MANUAL AIR VENT	VAULT LENGTH (A)
8"	6"	3"	1"	14'-0"
10"	8"	4"	1 1/2"	14'-0"
12"	10"	6"	2"	16'-0"
14"	12"	8"	3"	16'-0"

RECORD DRAWINGS
MAY 2008

0 1/2 1
DRAWING IS NOT TO SCALE IF BAR DOES NOT MEASURE 1"

NO.	DATE	DESIGN	DRAWN	CHECKED
ORIGINAL				
0	07/2007	AAT	TJP	CGN
REVISIONS				

ELK RIDGE CITY
WATER SYSTEM IMPROVEMENT PROJECT 2007-2008
DETAILS
PRESSURE REDUCING STATION INSTALLATION

AQUA ENGINEERING, INC.
533 W. 2600 S., SUITE 275 BOUNTIFUL, UT 84010
PHONE (801) 299-1327 FAX (801) 299-0153

SHEET
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