

JULY 2022

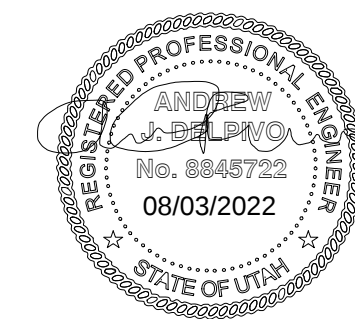


SHEET

1	COVER
2	FINAL PLAT
3	UTILITY AND INDEX
4	GRADING PLAN
5	EXISTING TOPOGRAPHY
PP-01	PLAN & PROFILE-HIGHLAND COURT-STA. 10+00 TO STA. 13+00
PP-02	PLAN & PROFILE-CANYON VIEW DRIVE-STA. 10+00 TO STA. 15+00
PP-03	PLAN & PROFILE-CANYON VIEW DRIVE-STA. 15+00 TO STA. 20+00
PP-04	PLAN & PROFILE-CANYON VIEW DRIVE-STA. 20+00 TO STA. 24+50
PP-05	PLAN & PROFILE-CANYON VIEW DRIVE-STA. 24+50 TO STA. 29+60
PP-06	PLAN & PROFILE-HIGHLAND VIEW LANE-STA. 10+00 TO STA. 14+00
PP-07	PLAN & PROFILE-HIGHLAND VIEW LANE-STA. 14+00 TO STA. 18+40
PP-08	PLAN & PROFILE-HIGHLAND RIDGE DRIVE-STA. 10+00 TO STA. 14+50
PP-09	PLAN & PROFILE-HIGHLAND RIDGE DRIVE-STA. 14+50 TO STA. 19+00
PP-10	PLAN & PROFILE-MEADOW LARK LANE-STA. 22+50 TO STA. 26+50
PP-11	PLAN & PROFILE-MEADOW LARK LANE-STA. 26+50 TO STA. 30+50
PP-12	PLAN & PROFILE-MEADOW LARK LANE-STA. 30+50 TO STA. 34+00
PP-13	PLAN & PROFILE-LOAFER CANYON ROAD-STA. 10+00 TO STA. 12+89
SS-01	OFFSITE UTILITIES-MEADOW LARK LANE-STA. 10+00 TO STA. 15+00
SS-02	OFFSITE UTILITIES-MEADOW LARK LANE-STA. 15+00 TO STA. 19+00
SS-03	OFFSITE UTILITIES-MEADOW LARK LANE-STA. 19+00 TO STA. 22+50
SD-01	PLAN & PROFILE-STORM DRAIN POND-STA. 10+00 TO STA. 12+82
DT-01	DETAIL SHEET
DT-02	DETAIL SHEET
DT-03	DETAIL SHEET
DT-04	DETAIL SHEET
DT-05	DETAIL SHEET

DATA TABLE
TOTAL ACREAGE=27.32
TOTAL # OF LOTS=41
TOTAL ACREAGE OF LOTS=17.58
ACREAGE IN ROADS=6.86
ACREAGE OF OPEN SPACE/PONDS=2.94 ACRES
LOTS/ACRE=1.50
ZONING R-1-15

OWNER/DEVELOPER
EVOLVE BUILDING AND DEVELOPMENT
801-473-8388
79 W. 900 N. SUITE C
SPRINGVILLE, UT 84663



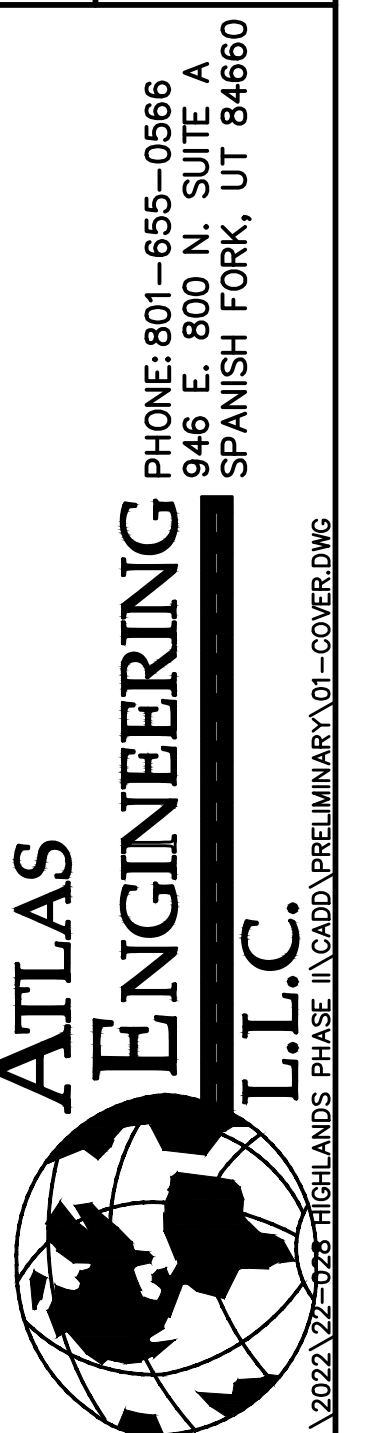
SHEET NO.

I

HIGHLANDS PHASE I COVER

ELK RIDGE, UT

HIGHLANDS PHASE I

[illegible]

BOUNDARY DESCRIPTION

BEGINNING AT THE EAST 1/4 CORNER OF SECTION 23, TOWNSHIP 9 SOUTH, RANGE 2 EAST, SALT LAKE BASE AND MERIDIAN; AND RUNNING THENCE S89°29'52"W 958.89 FEET ALONG THE NORTH BOUNDARY OF LONGVIEW MEADOW SUBDIVISION; THENCE N00°26'11"E 240.87 FEET; THENCE N66°33'10"E 126.72 FEET; THENCE S88°58'07"E 220.04 FEET; THENCE N85°36'43"E 252.56 FEET; THENCE N33°09'58"E 650.31 FEET; THENCE NORTHEASTERLY 168.03 FEET ALONG THE ARC OF A 383.00 FOOT RADIUS CURVE TO THE RIGHT THROUGH THE CENTRAL ANGLE 25°08'12"; THE CHORD BEARS N45°44'04"E 166.68 FEET; THENCE N58°18'10"E 36.29 FEET; THENCE NORTHEASTERLY 28.07 FEET ALONG THE ARC OF A 15.00 FOOT RADIUS CURVE TO THE LEFT THROUGH THE CENTRAL ANGLE 107°12'45"; THE CHORD BEARS N04°41'47"E 24.15 FEET; THENCE N52°00'15"E 57.03 FEET; THENCE N48°54'35"W 51.69 FEET; THENCE N33°02'53"E 207.91 FEET; THENCE N50°55'29"W 102.38 FEET; THENCE N46°40'01"W 276.55 FEET; THENCE ALONG THE SOUTH BOUNDARY OF PREMIER POINT PHASE 3 SUBDIVISION THE FOLLOWING 3 COURSES TO WIT: (1) S89°53'12"E 493.04 FEET, (2) N29°21'11"W 9.79 FEET, (3) N89°42'27"E 23.12 FEET; THENCE S29°45'31"E 288.74 FEET; THENCE S21°47'03"E 36.39 FEET; THENCE NORTHWESTERLY 56.22 FEET ALONG THE ARC OF A 87.00 FOOT RADIUS CURVE TO THE LEFT THROUGH THE CENTRAL ANGLE 37°01'24", THE CHORD BEARS N52°08'34"W 55.24 FEET; THENCE N70°39'16"W 54.20 FEET; THENCE SOUTHWESTERLY 22.25 FEET ALONG THE CURVE OF A 15.00 FOOT RADIUS CURVE TO THE LEFT THROUGH THE CENTRAL ANGLE 84°57'56", THE CHORD BEARS S66°51'46"W 20.27 FEET; THENCE SOUTHWESTERLY 91.66 FEET ALONG THE ARC OF A 304.00 FOOT RADIUS CURVE TO THE RIGHT THROUGH THE CENTRAL ANGLE 17°16'31", THE CHORD BEARS S33°01'04"W 91.31 FEET; THENCE S41°39'19"W 129.91 FEET; THENCE S32°11'05"E 275.84 FEET; THENCE S22°55'01"E 100.00 FEET; THENCE S21°58'54"E 111.04 FEET; THENCE S18°23'12"E 116.95 FEET; THENCE S11°56'07"E 120.68 FEET; THENCE S07°06'02"E 223.44 FEET; THENCE S01°33'49"E 204.90 FEET; THENCE S89°16'25"W 719.01 FEET TO THE POINT OF BEGINNING.

NORTHEAST CORNER OF SECTION 23, T9S, R2E, SLB&M

HIGHLANDS AT ELK RIDGE FUTURE PHASE

N0035°20'W 2642.90' (SECTION LINE) (BASIS OF BEARING)

N33°09'58"E 650.31' CANYON VIEW DRIVE

N85°36'43"E 252.56' L5

N02°26'11"E 240.87' L6

S89°29'52"W 958.89'

S89°16'25"W 719.01'

EAST 1/4 CORNER OF SECTION 23, T9S, R2E, SLB&M

LONGVIEW MEADOW SUBDIVISION

PREMIER POINT SUBDIVISION PHASE 3

PARCEL A DEDICATED TO ELK RIDGE CITY 2.88 ACRES 125,280 SQ FT

PARCEL B DEDICATED TO ELK RIDGE CITY 0.06 ACRES 2,936 SQ FT

LOT 12

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LOT 10

LOT 9

LOT 8

LOT 7

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LOT 5

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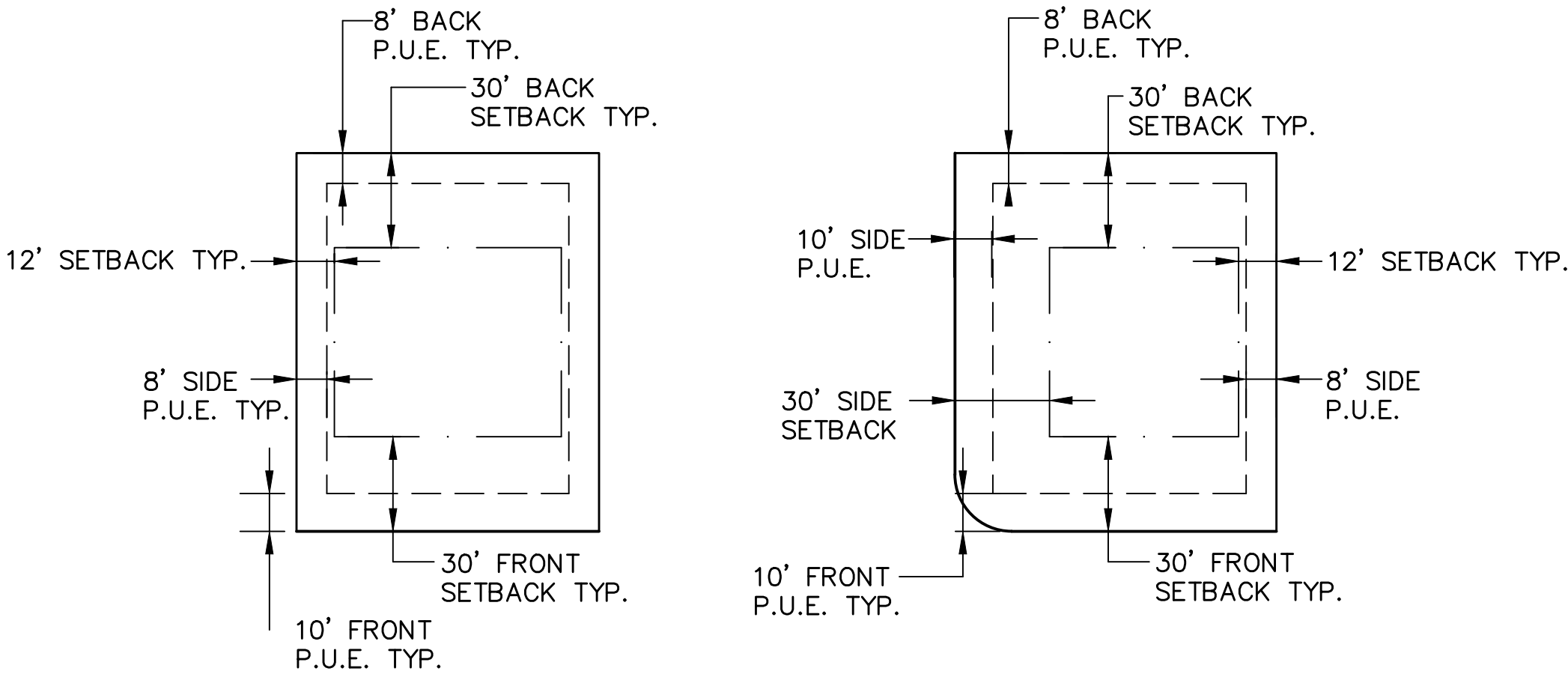
CURVE TABLE					
CURVE	LENGTH	RADIUS	CHORD DIST.	CHORD BRG.	DELTA
C1	28.07'	15.00'	24.15'	N4°41'47"E	107°12'45"
C2	283.36'	238.00'	266.92'	S7°32'52"W	68°12'54"
C6	16.98'	379.07'	16.98'	N31°09'44"W	2°33'58"
C7	15.65'	322.00'	15.65'	N31°16'05"W	2°47'05"
C8	154.01'	271.00'	151.95'	N3°03'52"E	32°33'45"
C9	105.52'	271.00'	104.86'	N30°30'02"E	22°18'35"
C10	30.09'	100.00'	29.98'	S62°02'00"E	17°14'31"
C11	56.22'	87.00'	55.24'	S52°08'34"E	37°01'24"
C12	22.25'	15.00'	20.27'	S66°51'46"W	84°57'56"
C13	91.66'	304.00'	91.31'	S33°01'04"W	17°16'31"
C14	96.75'	333.00'	96.41'	S49°58'44"W	16°38'50"
C15	87.17'	300.00'	86.86'	N49°58'44"E	16°38'50"
C16	77.58'	267.00'	77.30'	S49°58'44"W	16°38'50"
C17	19.66'	15.00'	18.28'	N84°09'20"W	75°05'02"
C18	23.31'	15.00'	21.03'	N77°10'44"W	89°02'13"
C19	16.58'	278.00'	16.58'	N28°10'02"W	3°25'00"
C20	13.24'	222.00'	13.24'	N28°10'02"W	3°25'00"
C21	23.76'	15.00'	21.35'	N12°55'35"E	90°45'09"
C22	153.55'	350.00'	152.32'	N45°44'04"E	25°08'12"
C23	79.74'	317.00'	79.53'	S51°05'48"W	14°24'42"
C24	59.34'	317.00'	59.25'	S38°31'43"W	10°43'29"
C25	23.56'	15.00'	21.21'	N18°32'28"E	90°00'00"

CURVE TABLE					
CURVE	LENGTH	RADIUS	CHORD DIST.	CHORD BRG.	DELTA
C26	23.56'	15.00'	21.21'	S71°27'32"E	90°00'00"
C27	47.18'	178.00'	47.04'	N55°56'50"E	15°11'15"
C28	47.18'	178.00'	47.04'	N40°45'35"E	15°11'15"
C30	64.68'	122.00'	63.92'	N48°21'13"E	30°22'30"
C31	60.68'	722.00'	60.66'	S24°03'04"E	4°48'56"
C32	48.79'	722.00'	48.78'	S19°42'27"E	3°52'17"
C34	32.08'	778.00'	32.08'	N25°16'40"W	2°21'45"
C35	85.88'	778.00'	85.84'	N20°56'03"W	6°19'28"
C36	12.16'	472.00'	12.16'	S17°02'02"E	1°28'32"
C37	130.11'	472.00'	129.70'	S8°23'57"E	15°47'38"
C39	76.49'	528.00'	76.43'	N13°37'17"W	8°18'02"
C40	82.65'	528.00'	82.57'	N4°59'12"W	8°58'08"
C41	23.53'	15.00'	21.19'	S44°26'26"W	89°53'08"
C42	23.59'	15.00'	21.23'	S45°33'34"E	90°06'52"
C43	25.03'	15.00'	22.23'	N42°48'35"W	95°36'48"
C44	84.56'	172.01'	83.71'	N19°04'54"E	28°10'03"
C46	28.62'	228.00'	28.60'	N29°34'11"E	7°11'33"
C47	91.39'	228.00'	90.78'	N14°29'25"E	22°58'00"
C48	22.61'	15.00'	20.53'	N46°11'42"E	86°22'35"
C49	68.30'	228.00'	68.05'	S82°02'05"E	17°09'50"
C50	66.13'	228.00'	65.90'	S65°08'36"E	16°37'08"
C52	101.42'	172.00'	99.95'	S73°43'31"E	33°46'58"

CURVE TABLE					
CURVE	LENGTH	RADIUS	CHORD DIST.	CHORD BRG.	DELTA
C53	23.56'	15.00'	21.21'	S11°50'02"E	90°00'00"
C54	23.56'	15.00'	21.21'	N78°09'58"E	90°00'00"
C55	23.35'	15.00'	21.06'	N77°45'18"E	89°10'39"
C56	97.28'	178.00'	96.07'	S73°18'45"E	31°18'44"
C58	65.27'	122.00'	64.49'	N73°38'35"W	30°39'04"
C59	23.95'	15.00'	21.49'	N12°34'32"W	91°29'01"
C60	9.20'	15.00'	9.05'	S71°24'18"E	35°07'37"
C61	67.57'	60.00'	64.05'	S86°06'06"E	64°31'11"
C62	94.99'	60.00'	85.38'	N16°16'55"E	90°42'48"
C63	79.60'	60.00'	73.89'	N67°04'57"W	76°00'55"
C64	57.26'	60.00'	55.12'	S47°34'06"W	54°41'00"
C65	18.54'	15.00'	17.38'	S55°37'45"W	70°48'17"
C66	51.78'	350.00'	51.73'	S44°40'18"E	8°28'34"
C67	67.80'	304.00'	67.66'	N7°55'14"E	12°46'44"
C68	22.24'	15.00'	20.26'	N28°10'20"W	84°57'52"
C69	10.39'	113.00'	10.39'	N68°01'11"W	5°16'10"
C72	48.19'	360.34'	48.15'	S36°36'10"E	7°39'42"
C73	14.91'	250.00'	14.91'	S28°10'02"E	3°25'00"
C76	168.03'	383.00'	166.68'	N45°44'04"E	25°08'12"
C77	150.70'	500.00'	150.13'	S9°08'14"E	17°16'10"

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N70°39'16"W	54.20'
L2	N89°42'27"E	23.12'
L3	N29°21'11"W	9.79'
L4	N58°18'10"E	36.29'
L5	S88°58'07"E	220.04'
L6	N66°33'10"E	126.72'
L7	N50°55'29"W	102.38'
L8	N33°02'53"E	207.91'
L9	S29°42'11"E	31.53'
L10	S26°27'32"E	110.71'
L11	S17°46'19"E	24.27'
L12	S89°16'27"W	28.00'
L13	S89°16'25"W	28.00'
L14	N0°30'08"W	49.53'
L15	S17°46'19"E	14.63'
L16	S29°42'11"E	31.17'
L17	S29°52'32"E	31.62'
L18	S26°27'32"E	35.75'
L19	S58°18'10"W	36.74'
L20	N48°54'35"W	5.40'
L21	N52°00'15"E	28.52'

LINE TABLE		
LINE	DIRECTION	LENGTH
L22	N52°00'15"E	28.52'
L23	S47°45'42"E	15.15'
L24	S70°39'16"E	100.97'
L25	S21°47'03"E	34.58'
L26	S21°47'03"E	1.81'
L27	S89°53'14"E	2.26'
L28	N49°20'05"W	68.70'
L29	N1°06'32"W	97.99'
L30	S56°50'02"E	28.01'
L31	S56°50'02"E	28.01'
L32	N89°23'00"E	35.00'
L33	N89°23'00"E	23.43'
L34	S88°58'07"E	27.82'
L35	S29°45'31"E	23.91'
L36	N52°00'15"E	57.03'
L37	N48°54'35"W	51.69'

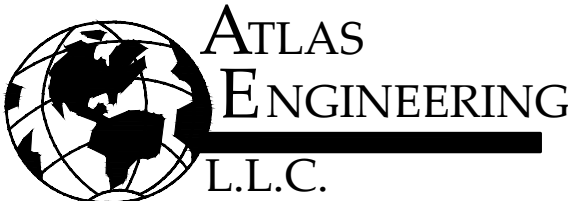


INTERIOR LOT
DETAIL - TYPICAL BUILDING SETBACK AND EASEMENT

CORNER LOT

—NTS—

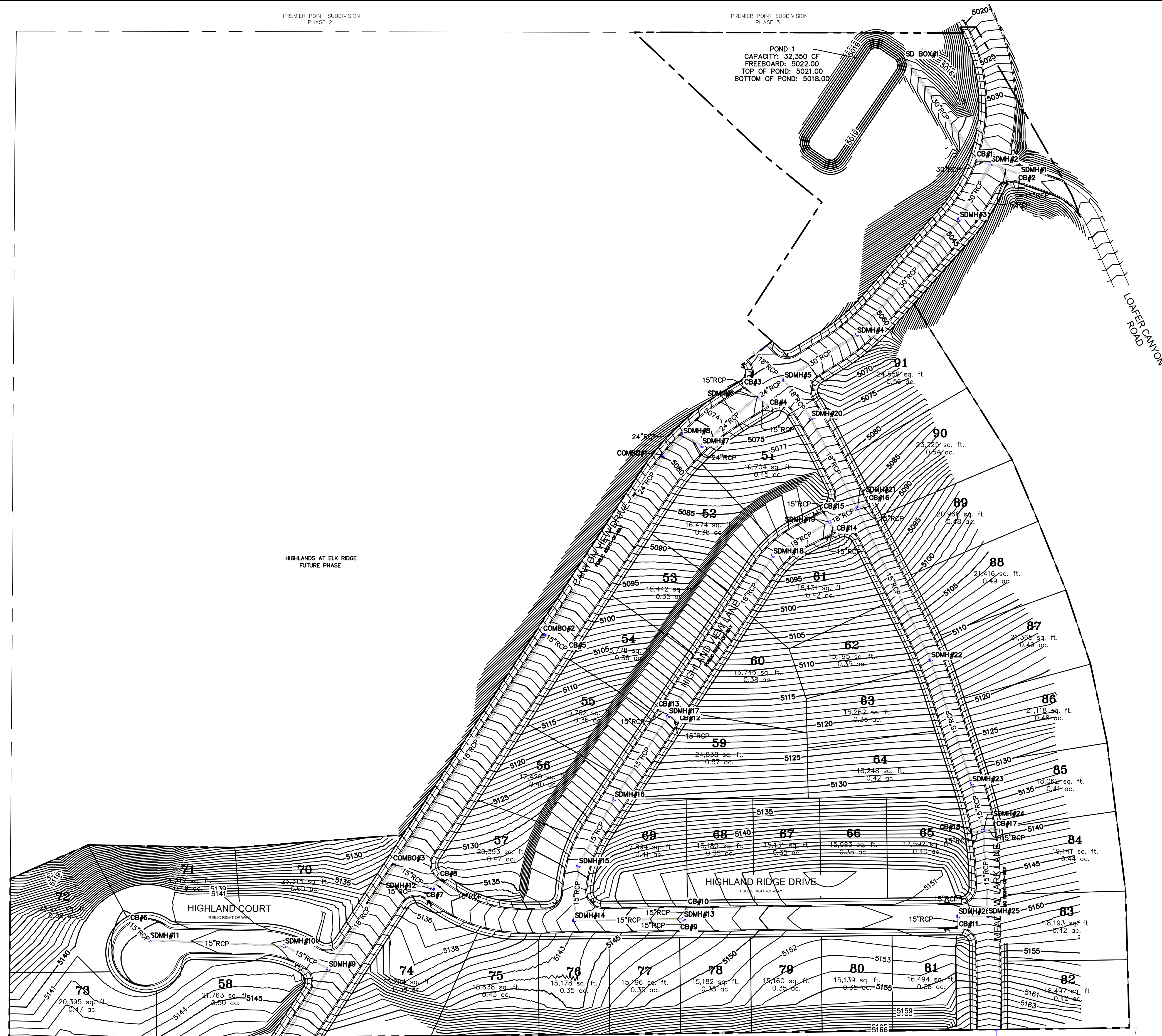
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NO.	REVISIONS	BY	DATE	REV. COGO FILE:	DATE:



ENGINEER CONTACT INFO:
ATLAS ENGINEERING
PHONE: 801-655-0566
FAX: 801-655-0109
946 EAST 800 NORTH SUITE A
SPANISH FORK, UT 84606

HIGHLANDS AT ELK RIDGE PHASE I
CONTAINING 41 LOTS AND 27.32 ACRES.
LOCATED IN THE NORTHEAST 1/4 OF SECTION 23 AND THE NORTHWEST 1/4 OF SECTION 24, OF TOWNSHIP 9 SOUTH, RANGE 2 EAST, SALT LAKE BASE AND MERIDIAN, UTAH COUNTY, UTAH.

LOT LAYOUT
ELK RIDGE, UTAH



SHEET NO.

GRADING PLAN

ELK RIDGE, UT

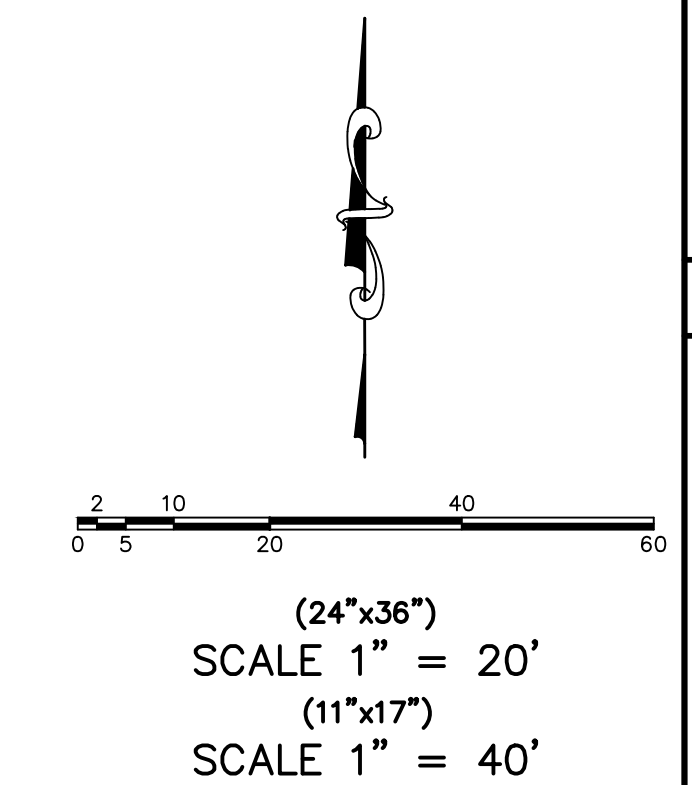
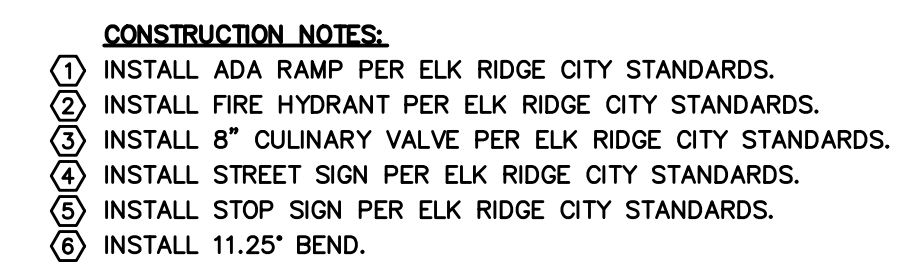
HIGHLANDS PHASE I

ATLAS

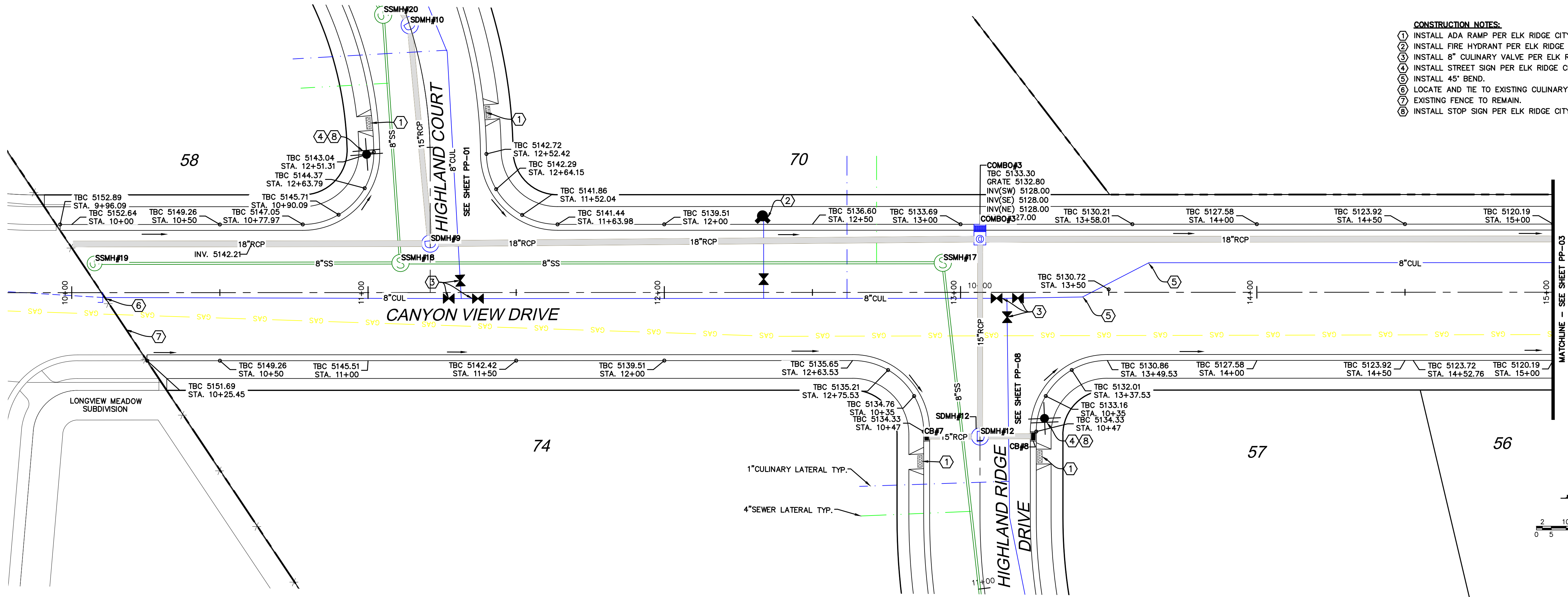
ENGINEERING

946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

Z:\2022\22-078 HIGHLANDS PHASE II\CADD\PRELIMINARY\04-GRADING PLAN.DWG

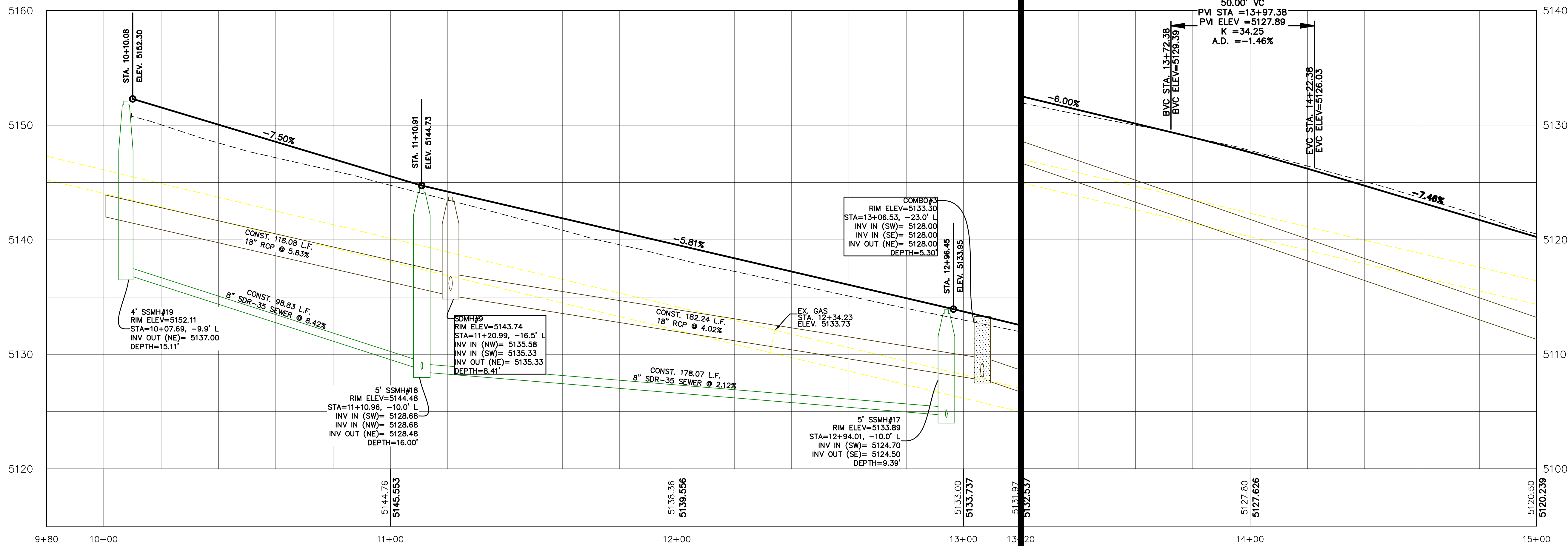


HIGHLANDS PHASE I  ATLAS ENGINEERING L.L.C. PHONE: 801-655-0566 946 E. 800 N. SUITE A SPANISH FORK, UT 84660	HGIHLAND COURT STA. 10+00 TO STA. 13+00		12			
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ELK RIDGE, UT		NO.		REVISIONS	BY	DATE



- CONSTRUCTION NOTES:**
1. INSTALL ADA RAMP PER ELK RIDGE CITY STANDARDS.
 2. INSTALL FIRE HYDRANT PER ELK RIDGE CITY STANDARDS.
 3. INSTALL 8" CULINARY VALVE PER ELK RIDGE CITY STANDARDS.
 4. INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS.
 5. INSTALL 45" BEND.
 6. LOCATE AND TIE TO EXISTING CULINARY WATERLINE.
 7. EXISTING FENCE TO REMAIN.
 8. INSTALL STOP SIGN PER ELK RIDGE CITY STANDARDS.

(24"x36")
SCALE 1" = 20'
(11"x17")
SCALE 1" = 40'



SHEET NO.

PP-02

CANYON VIEW DRIVE
STA. 10+00 TO STA. 15+00

ELK RIDGE, UT

HIGHLANDS PHASE I

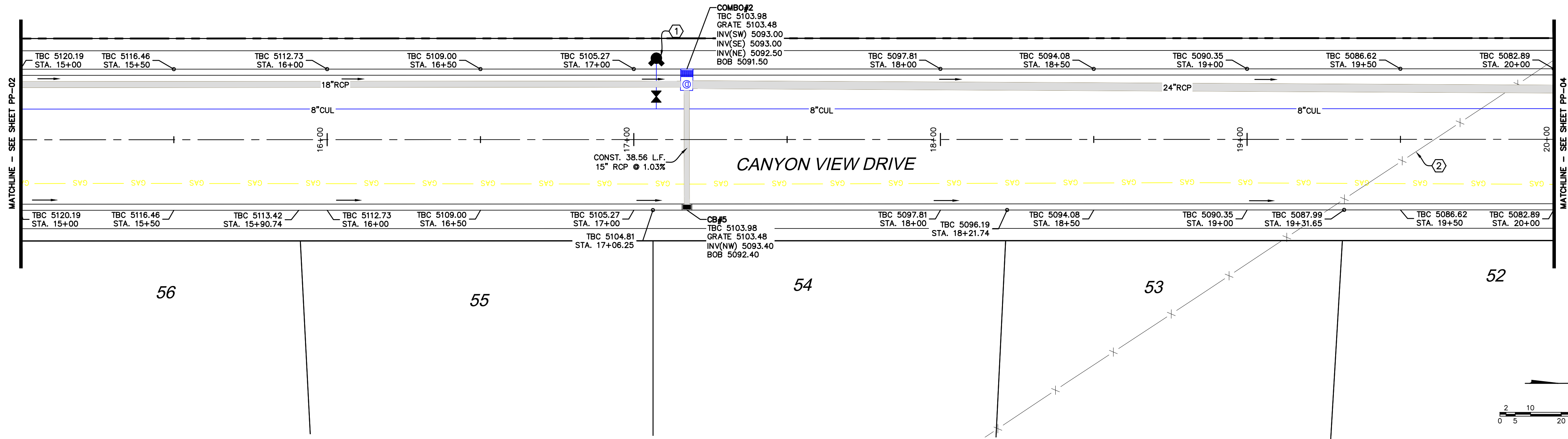
ATLAS

ENGINEERING

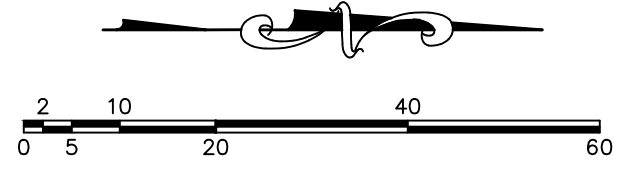
L.L.C.

PHONE: 801-655-0566
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

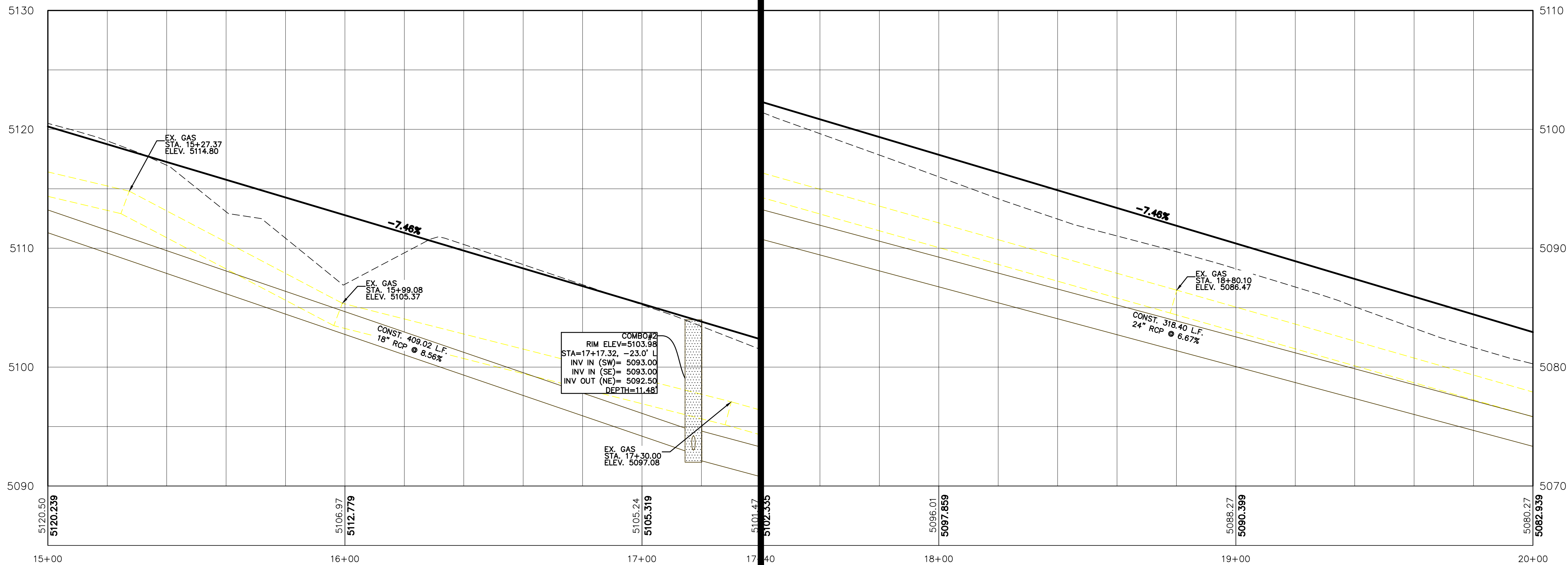
Z:\2022\22-0708 HIGHLANDS PHASE I\CAD\PRELIMINARY\PP-02.DWG



- CONSTRUCTION NOTES:
1. INSTALL FIRE HYDRANT PER ELK RIDGE CITY STANDARDS.
 2. EXISTING FENCE TO BE REMOVED.



(24"x36")
SCALE 1" = 20'
(11"x17")
SCALE 1" = 40'



SHEET NO.

PP-03

CANYON VIEW DRIVE
STA. 15+00 TO STA. 20+00

ELK RIDGE, UT

HIGHLANDS PHASE I

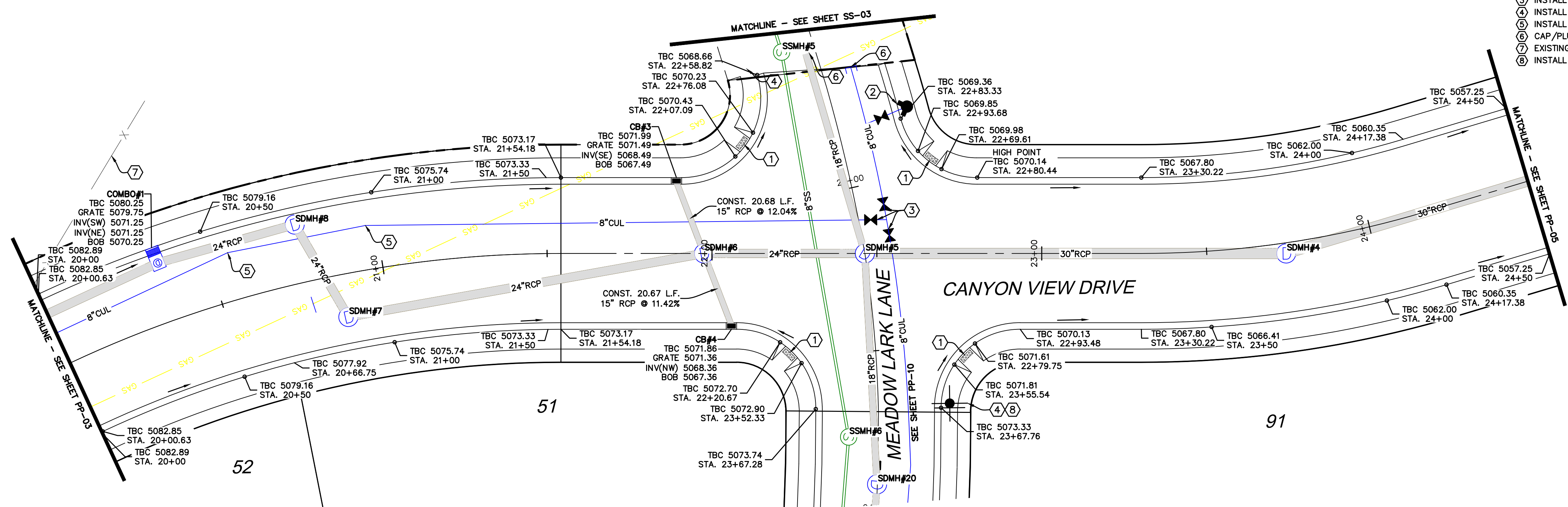
ATLAS

ENGINEERING

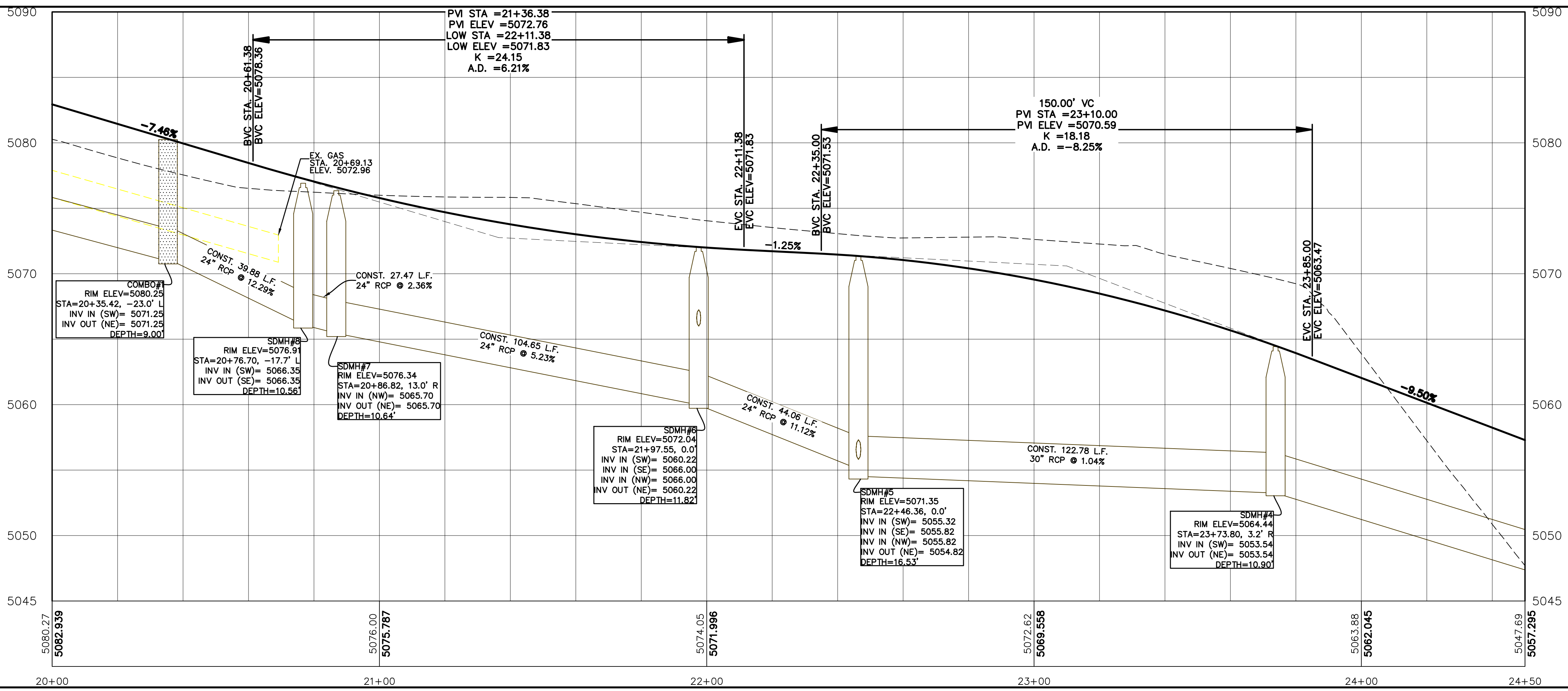
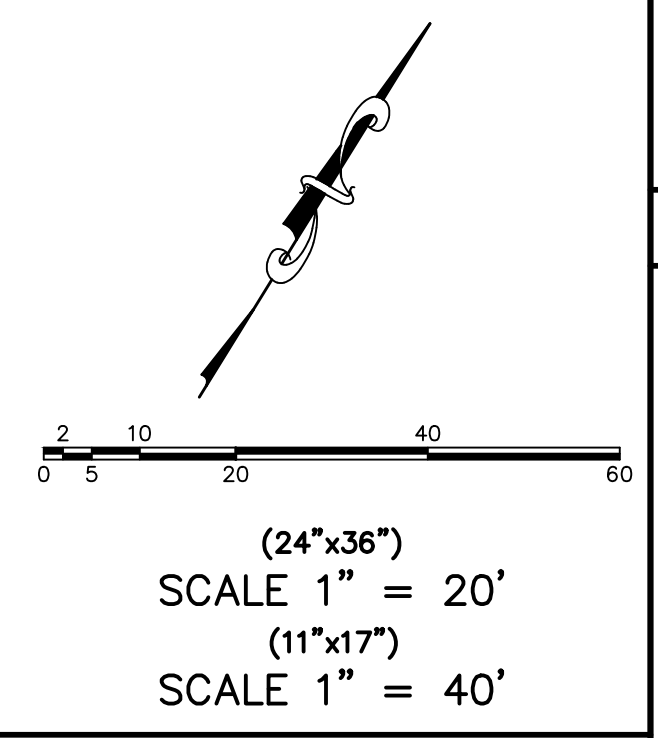
L.L.C.

PHONE: 801-655-0566
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

Z:\2022\22-0728 HIGHLANDS PHASE I\CAD\PRELIMINARY\PP-03.DWG



- CONSTRUCTION NOTES:**
1. INSTALL ADA RAMP PER ELK RIDGE CITY STANDARDS.
 2. INSTALL FIRE HYDRANT PER ELK RIDGE CITY STANDARDS.
 3. INSTALL 8" CULINARY VALVE PER ELK RIDGE CITY STANDARDS.
 4. INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS.
 5. INSTALL 11.25' BEND.
 6. CAP/PLUG AND MARK TO SURFACE.
 7. EXISTING FENCE TO BE REMOVED.
 8. INSTALL STOP SIGN PER ELK RIDGE CITY STANDARDS.



SHEET NO.

PP-04

CANYON VIEW DRIVE
STA. 20+00 TO STA. 24+00

ELK RIDGE, UT

HIGHLANDS PHASE I

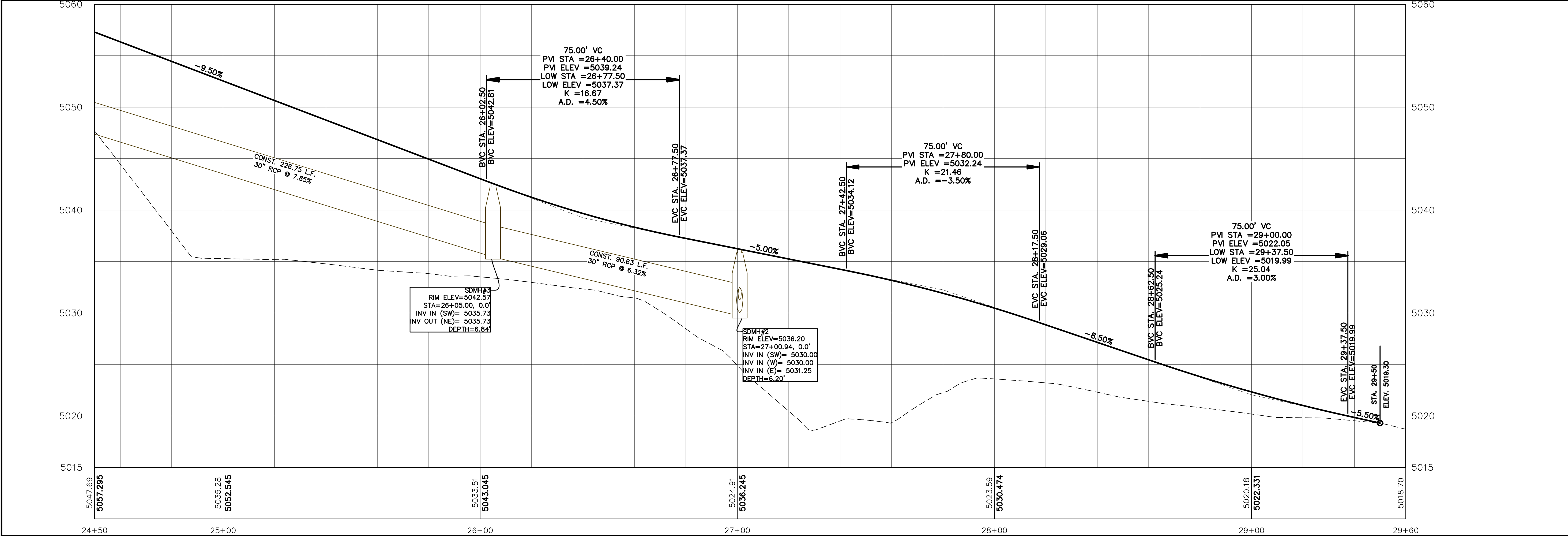
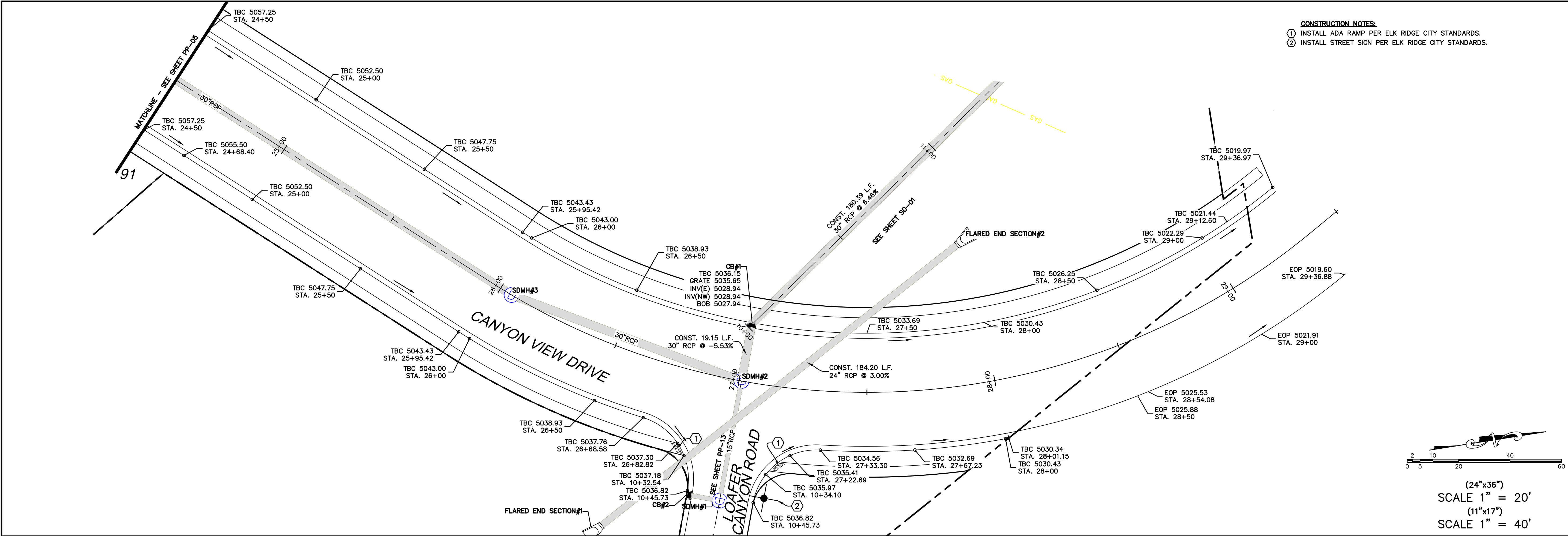
ATLAS

ENGINEERING

L.L.C.

PHONE: 801-655-0566
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

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SHEET NO. PP-05

CANYON VIEW DRIVE STA. 24+00 TO STA. 29+60

ELK RIDGE, UT

HIGHLANDS PHASE I

ATLAS ENGINEERING

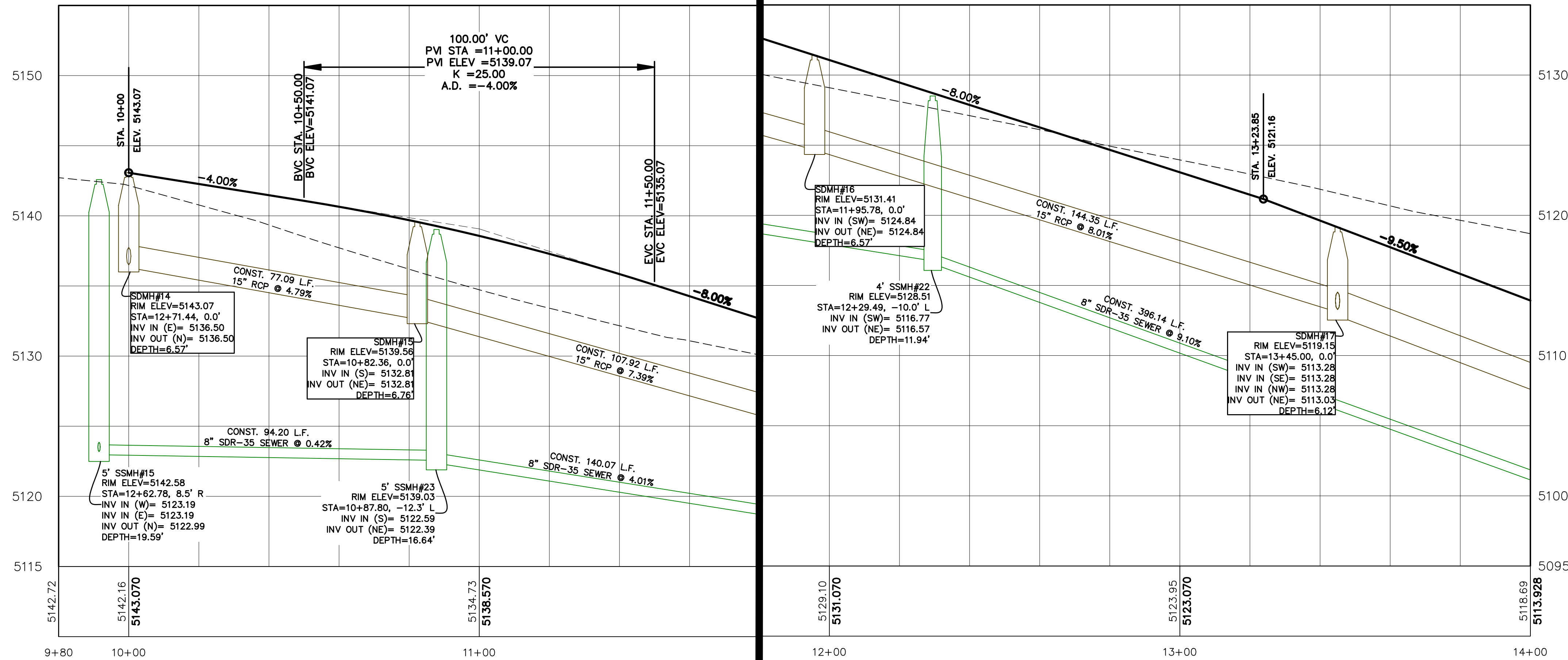
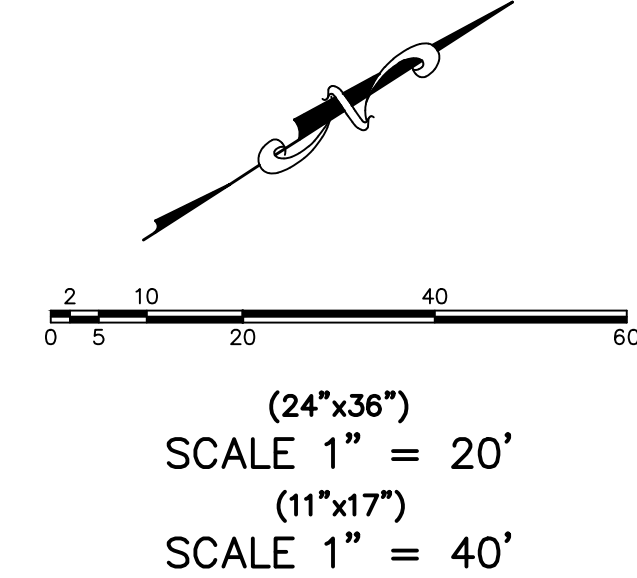
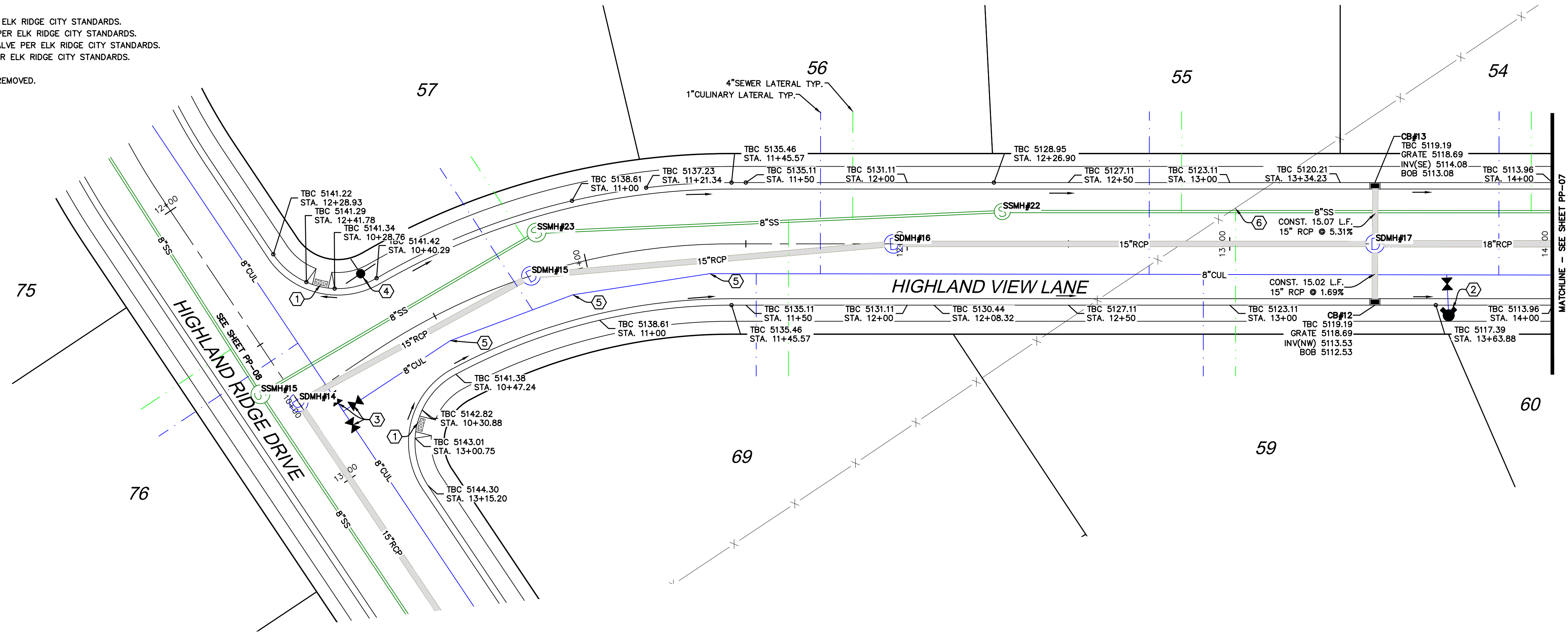
L.L.C.

PHONE: 801-655-0566 946 E. 800 N. SUITE A SPANISH FORK, UT 84660

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- CONSTRUCTION NOTES:
1. INSTALL ADA RAMP PER ELK RIDGE CITY STANDARDS.
 2. INSTALL FIRE HYDRANT PER ELK RIDGE CITY STANDARDS.
 3. INSTALL 8" CULINARY VALVE PER ELK RIDGE CITY STANDARDS.
 4. INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS.
 5. INSTALL 11.25' BEND.
 6. EXISTING FENCE TO BE REMOVED.



SHEET NO.
PP-06

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HIGHLAND VIEW LANE
STA. 10+00 TO STA. 14+00

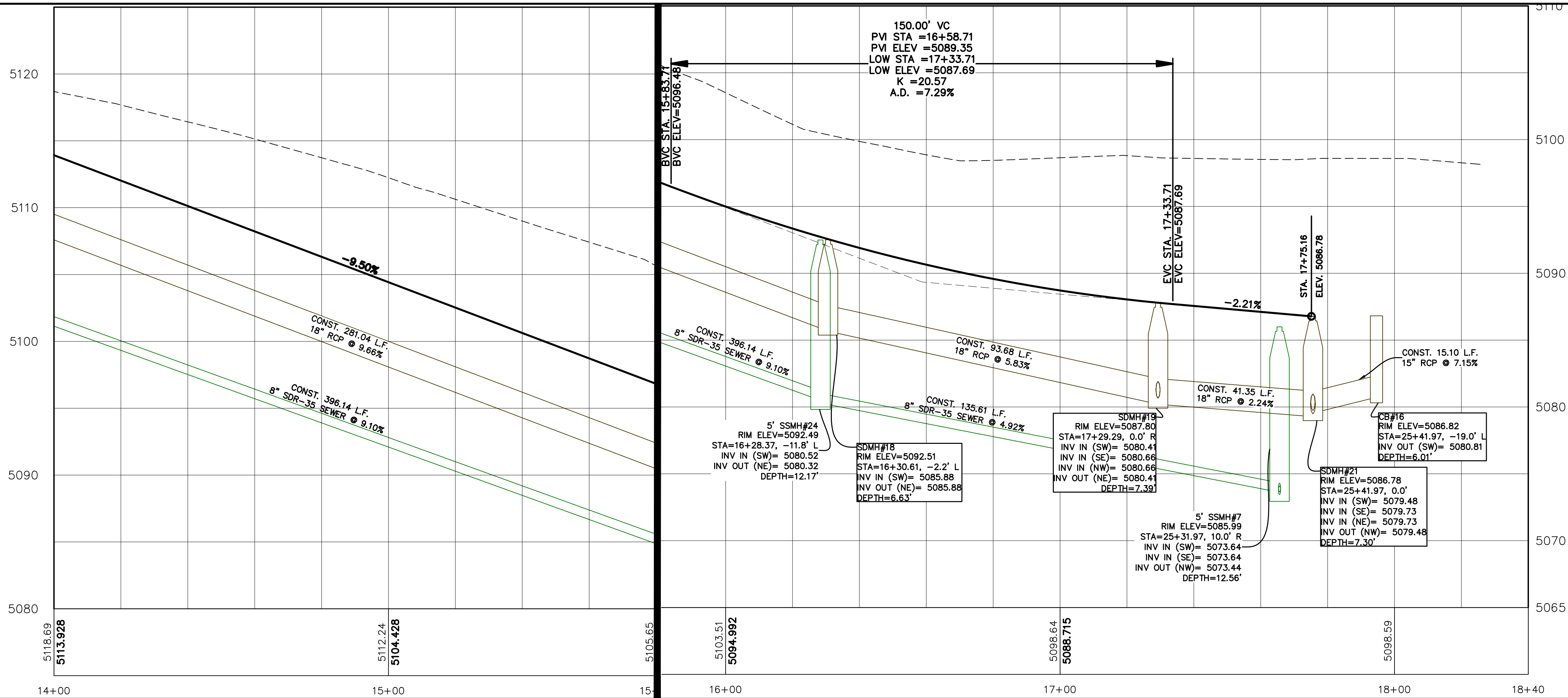
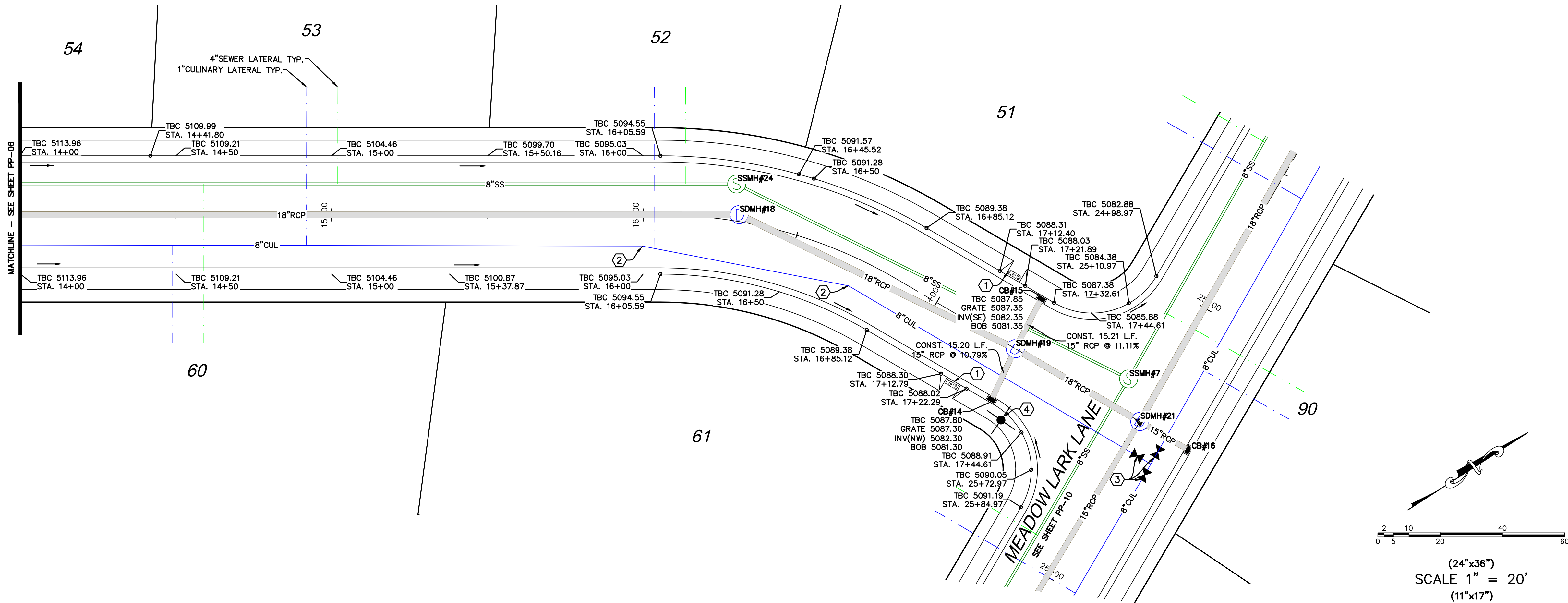
ELK RIDGE, UT

HIGHLANDS PHASE I

ATLAS
ENGINEERING
L.L.C.

PHONE: 801-655-0566
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660
Z:\2022\22-0728 HIGHLANDS PHASE I\GADD\PRELIMINARY\PP-06.DWG

- CONSTRUCTION NOTES:
1. INSTALL ADA RAMP PER ELK RIDGE CITY STANDARDS.
 2. INSTALL 22.5" BEND.
 3. INSTALL 8" CULINARY VALVE PER ELK RIDGE CITY STANDARDS.
 4. INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS.



SHEET NO.

PP-07

HIGHLAND VIEW LANE
STA. 14+00 TO STA. 18+40

ELK RIDGE, UT

HIGHLANDS PHASE I

ATLAS

ENGINEERING

L.L.C.

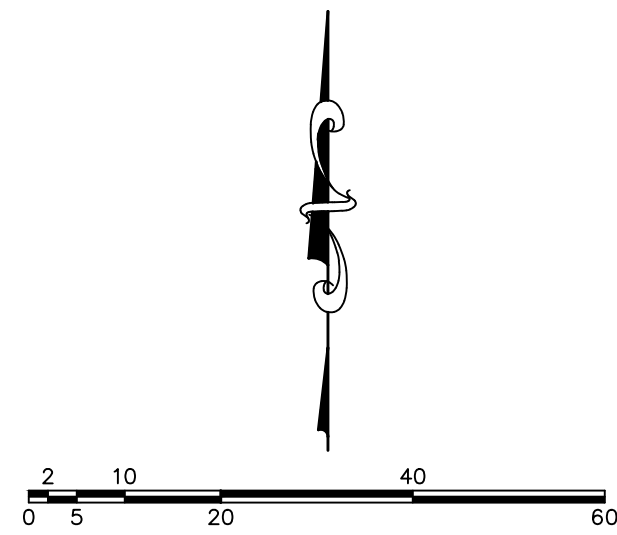
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946 E. 800 N. SUITE A

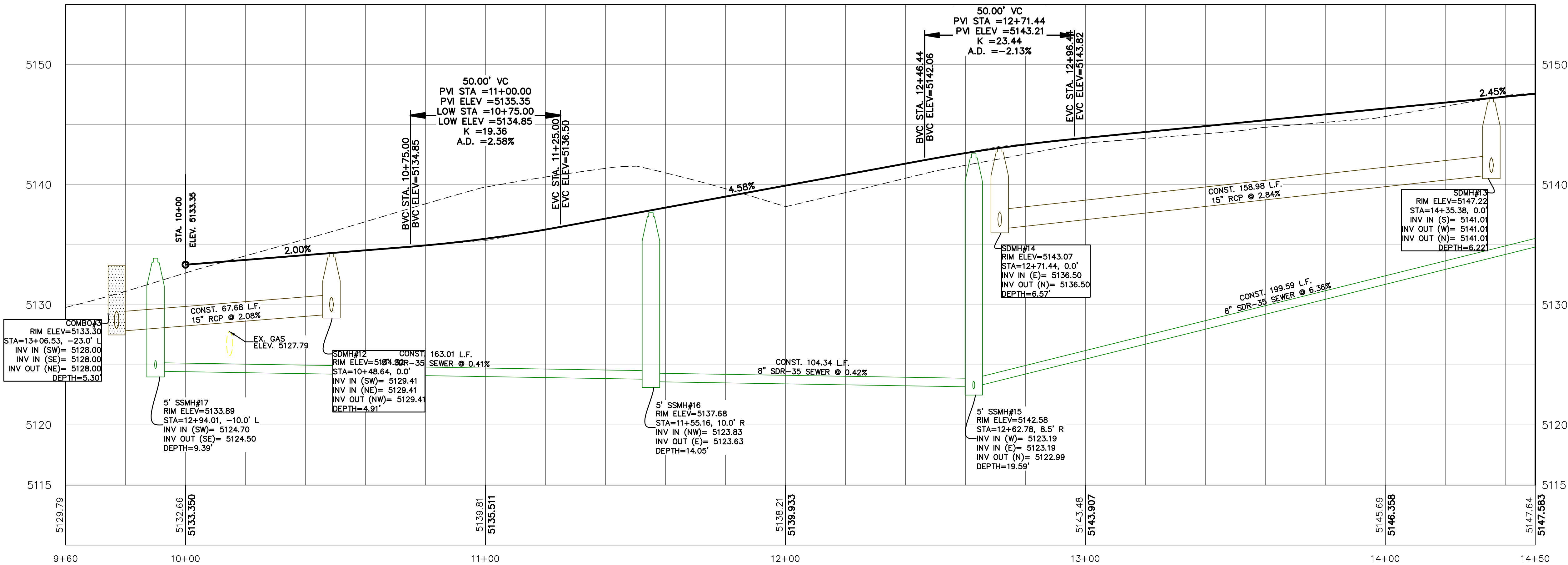
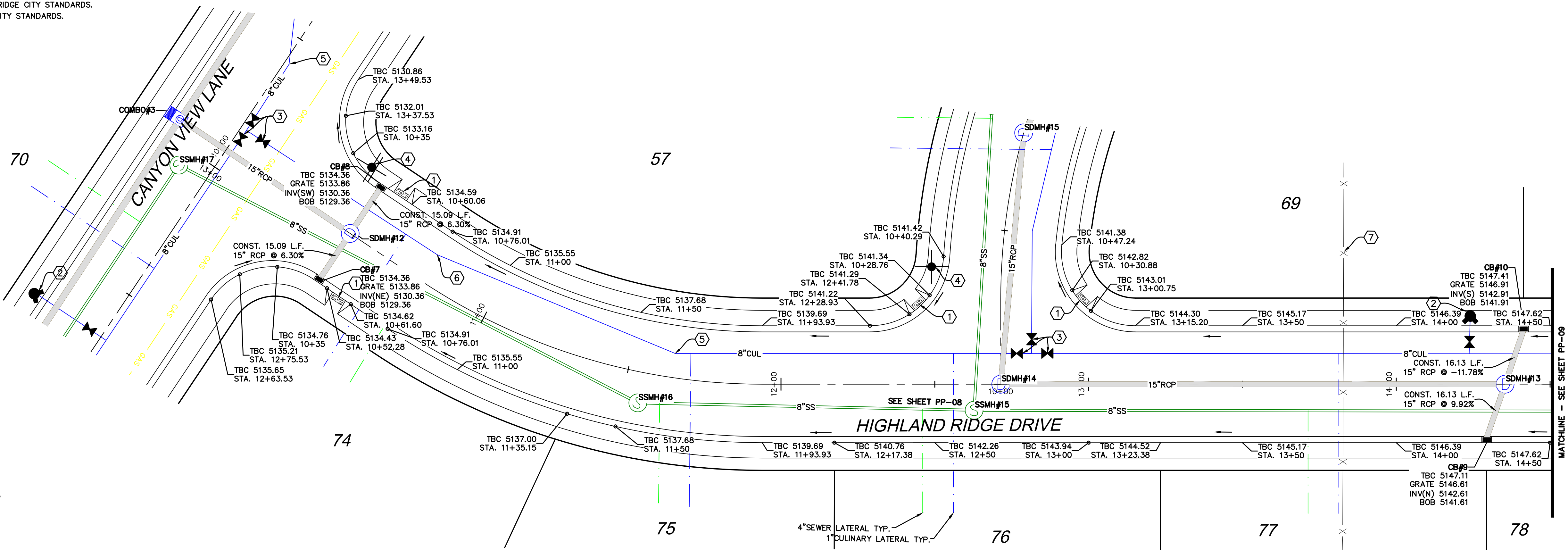
SPANISH FORK, UT 84660

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- CONSTRUCTION NOTES:
1. INSTALL ADA RAMP PER ELK RIDGE CITY STANDARDS.
 2. INSTALL FIRE HYDRANT PER ELK RIDGE CITY STANDARDS.
 3. INSTALL 8" CULINARY VALVE PER ELK RIDGE CITY STANDARDS.
 4. INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS.
 5. INSTALL 45° BEND.
 6. INSTALL 11.25° BEND.
 7. EX. FENCE TO BE REMOVED.



(24"x36")
SCALE 1" = 20'
(11"x17")
SCALE 1" = 40'



SHEET NO.

PP-08

NO.	REVISIONS		BY	DATE
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HIGHLAND RIDGE DRIVE
STA. 10+00 TO STA. 14+50

ELK RIDGE, UT

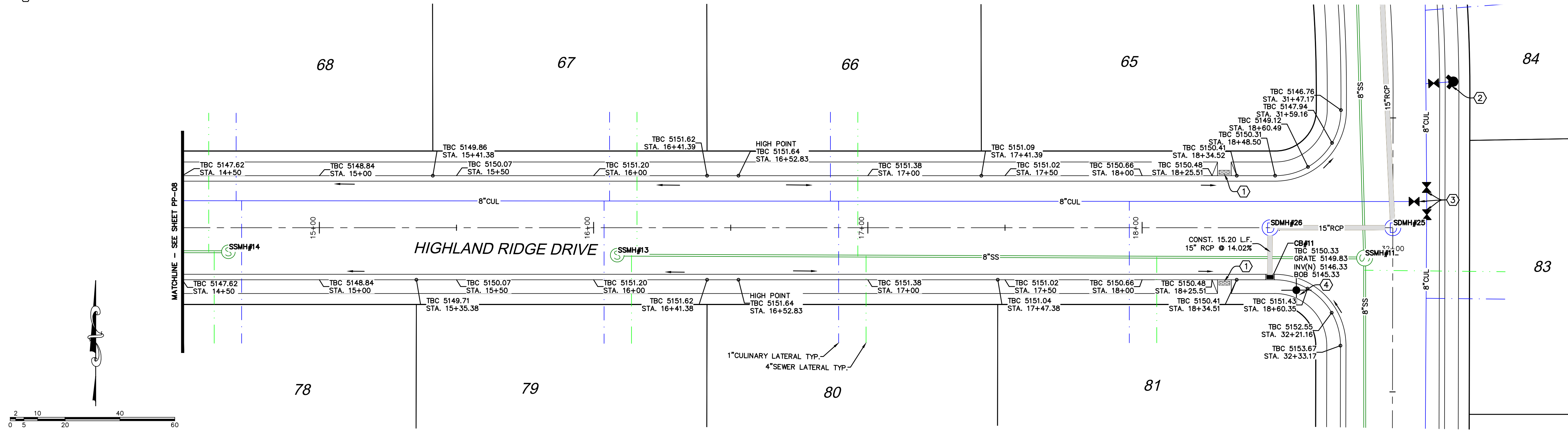
HIGHLANDS PHASE I

ATLAS
ENGINEERING
L.L.C.

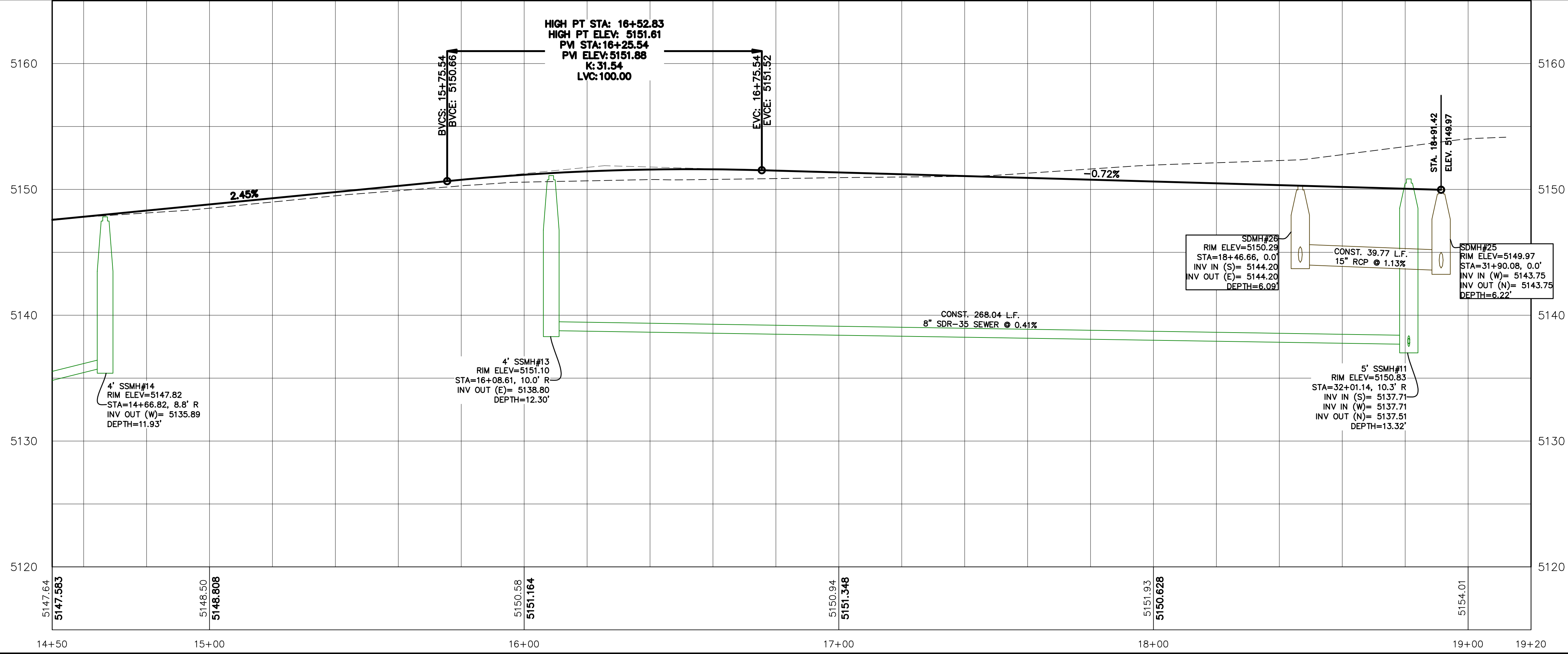
PHONE: 801-655-0566
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

Z:\2022\22-0728 HIGHLANDS PHASE I\GADDY PRELIMINARY PP-08.DWG

- CONSTRUCTION NOTES:
1. INSTALL ADA RAMP PER ELK RIDGE CITY STANDARDS.
 2. INSTALL FIRE HYDRANT PER ELK RIDGE CITY STANDARDS.
 3. INSTALL 8" CULINARY VALVE PER ELK RIDGE CITY STANDARDS.
 4. INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS.



(24"x36")
SCALE 1" = 20'
(11"x17")
SCALE 1" = 40'



SHEET NO.

PP-09

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NO.

BY

DATE

REVISIONS

HIGHLAND RIDGE DRIVE

STA. 14+50 TO STA. 19+00

ELK RIDGE, UT

HIGHLANDS PHASE I

ATLAS

ENGINEERING

L.L.C.

PHONE: 801-655-0566

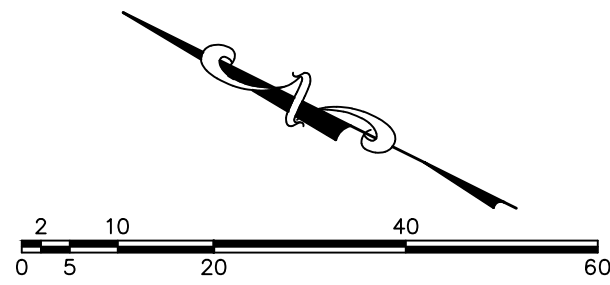
946 E. 800 N. SUITE A

SPANISH FORK, UT 84660

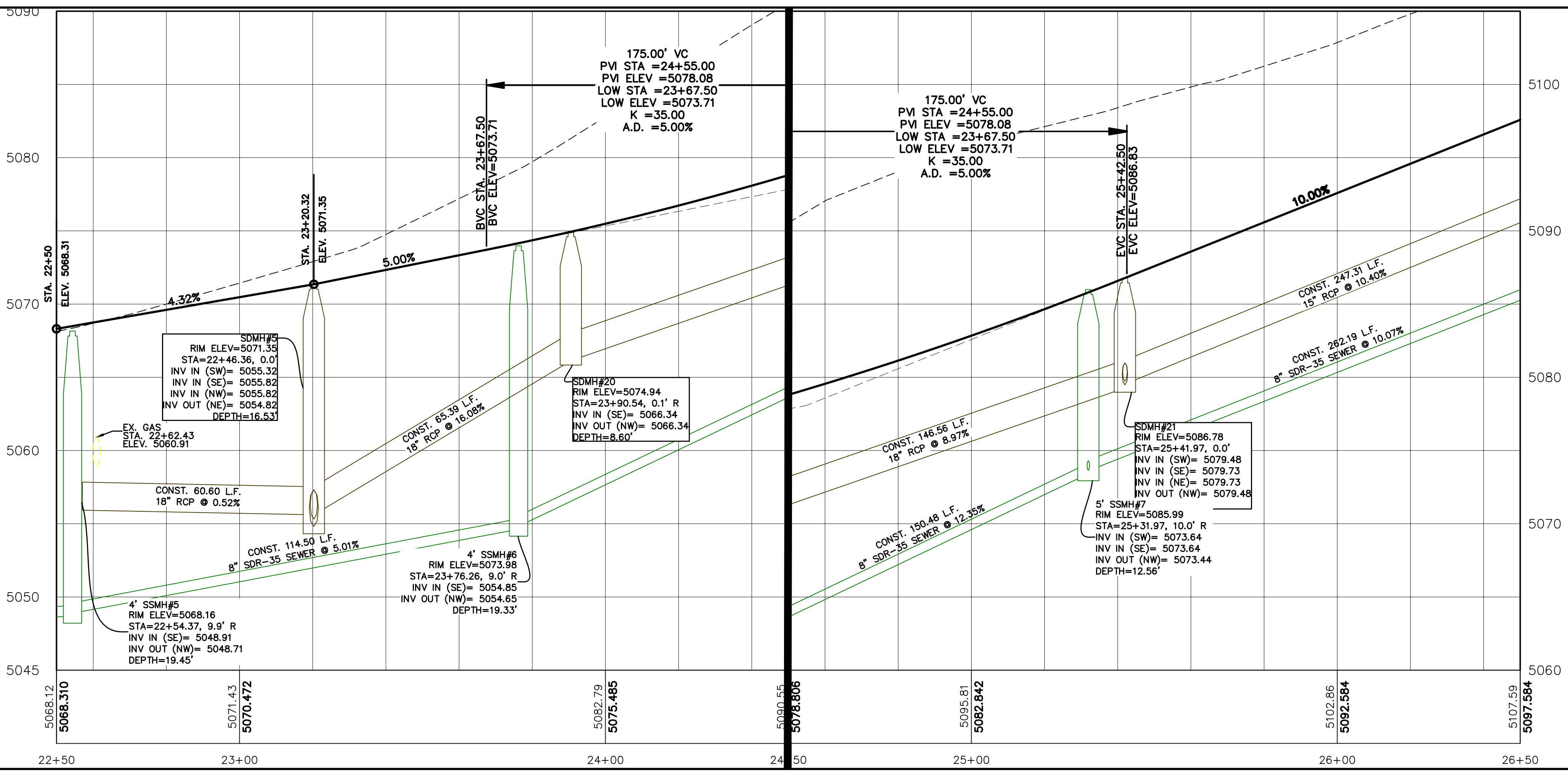
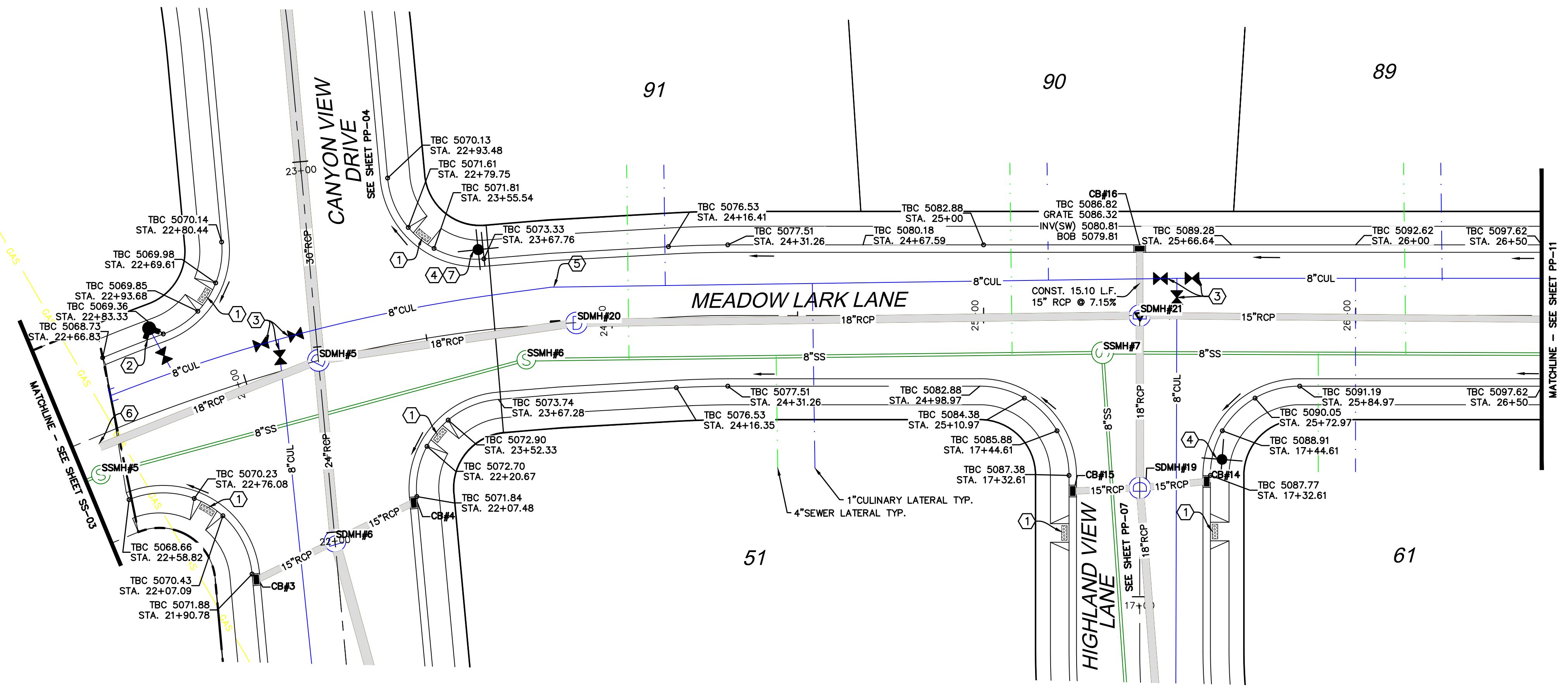
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CONSTRUCTION NOTES:

1. INSTALL ADA RAMP PER ELK RIDGE CITY STANDARDS.
2. INSTALL FIRE HYDRANT PER ELK RIDGE CITY STANDARDS.
3. INSTALL 8" CULINARY VALVE PER ELK RIDGE CITY STANDARDS.
4. INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS.
5. INSTALL 11.25' BEND.
6. CAP/PLUG AND MARK TO SURFACE.
7. INSTALL STOP SIGN PER ELK RIDGE CITY STANDARDS.



(24"x36")
SCALE 1" = 20'
(11"x17")
SCALE 1" = 40'



SHEET NO.

PP-10

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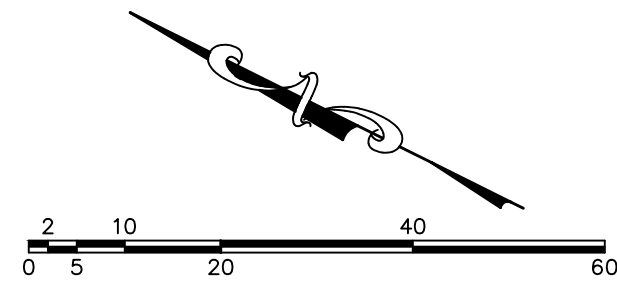
MEADOW LARK LANE
STA. 22+50 TO STA. 26+50

ELK RIDGE, UT

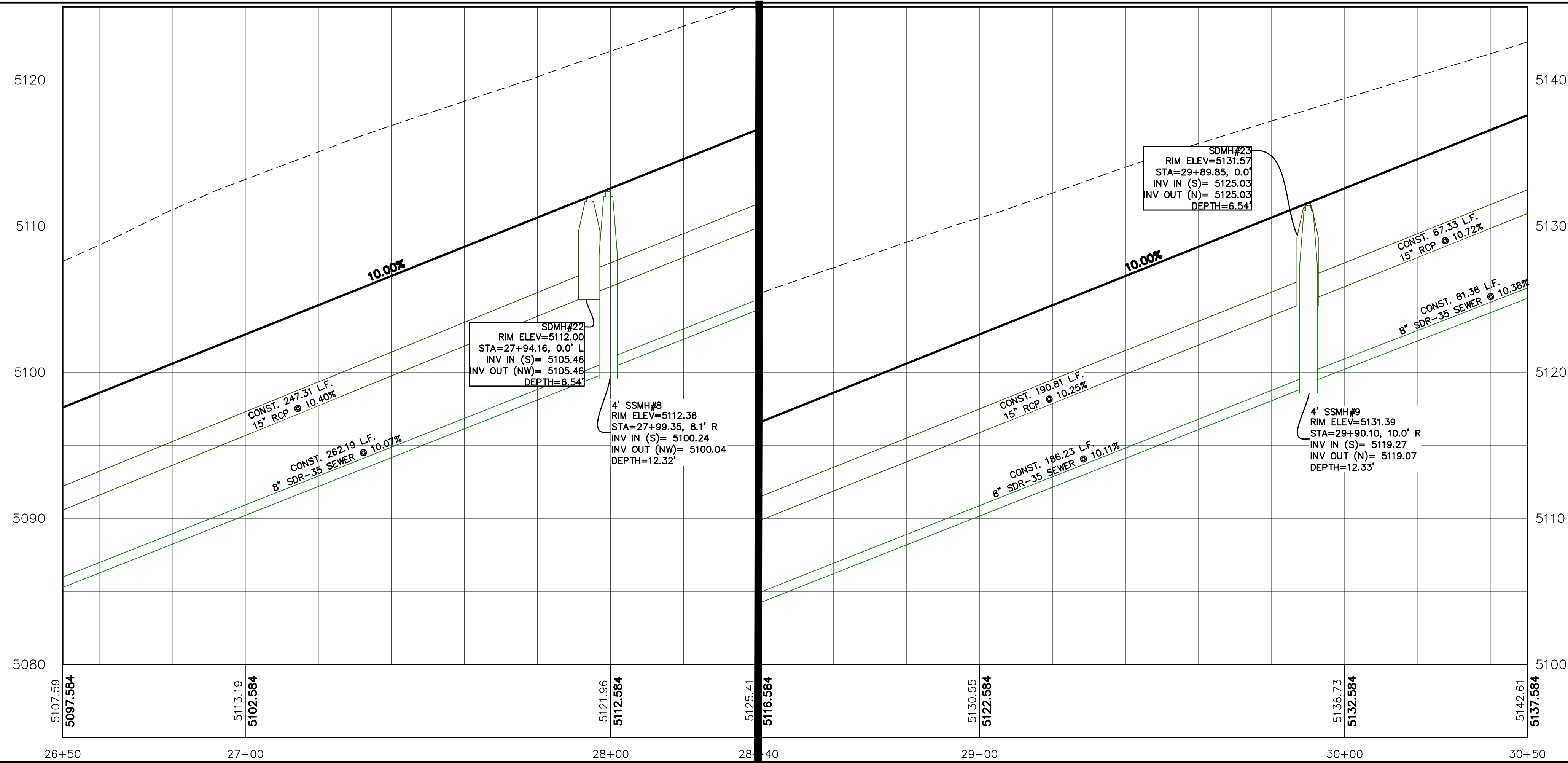
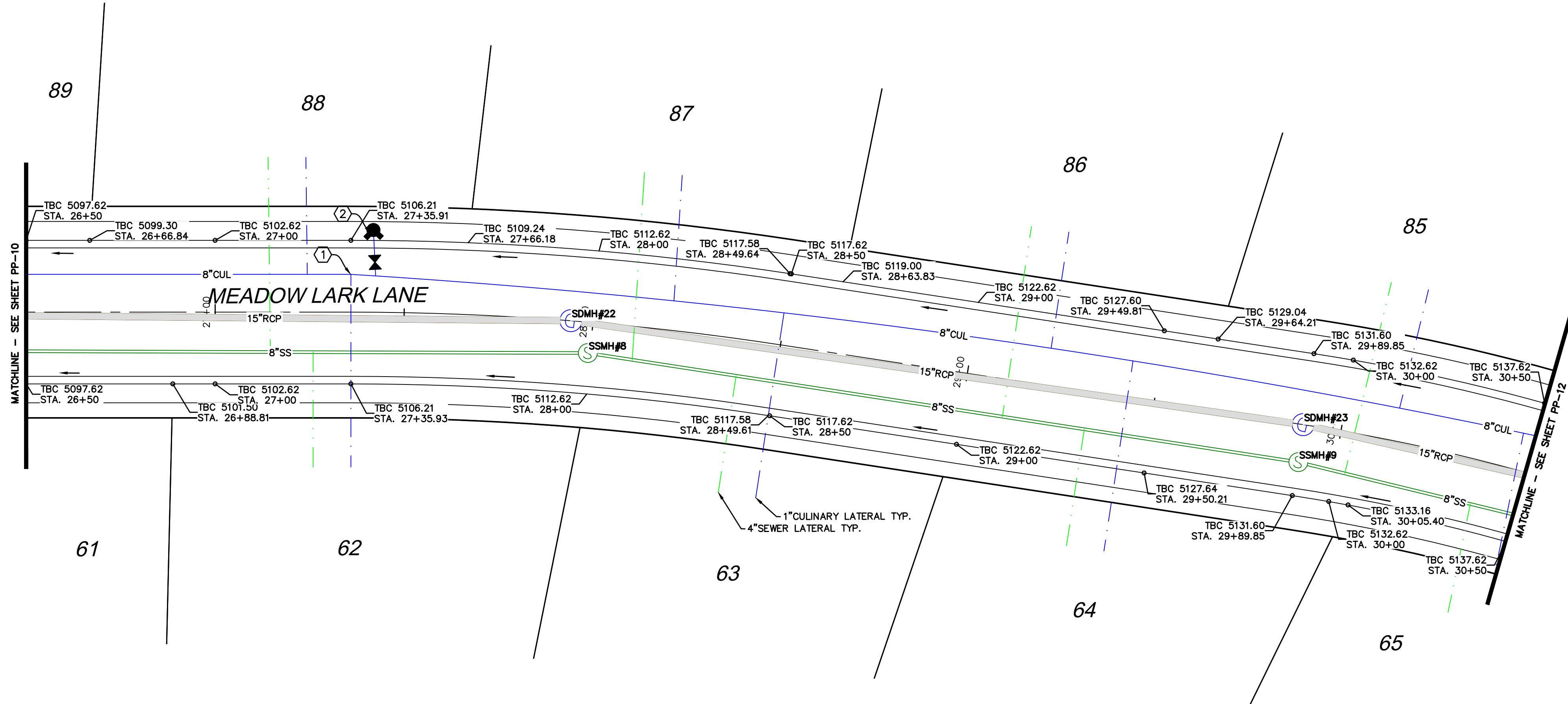
HIGHLANDS PHASE I

ATLAS
ENGINEERING
L.L.C.
PHONE: 801-655-0566
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

- CONSTRUCTION NOTES:
1. INSTALL 11.25' BEND.
 2. INSTALL FIRE HYDRANT PER ELK RIDGE CITY STANDARDS.



(24"x36")
SCALE 1" = 20'
(11"x17")
SCALE 1" = 40'



HIGHLANDS PHASE I
ATLAS
ENGINEERING
L.L.C.

PHONE: 801-655-0566
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SPANISH FORK, UT 84660

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MEADOW LARK LANE
STA. 26+50 TO STA. 30+50

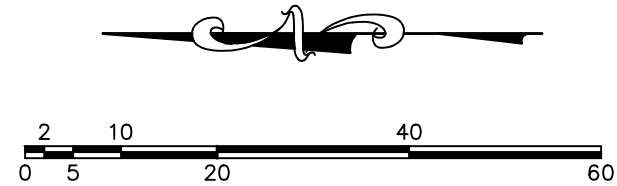
ELK RIDGE, UT

SHEET NO.

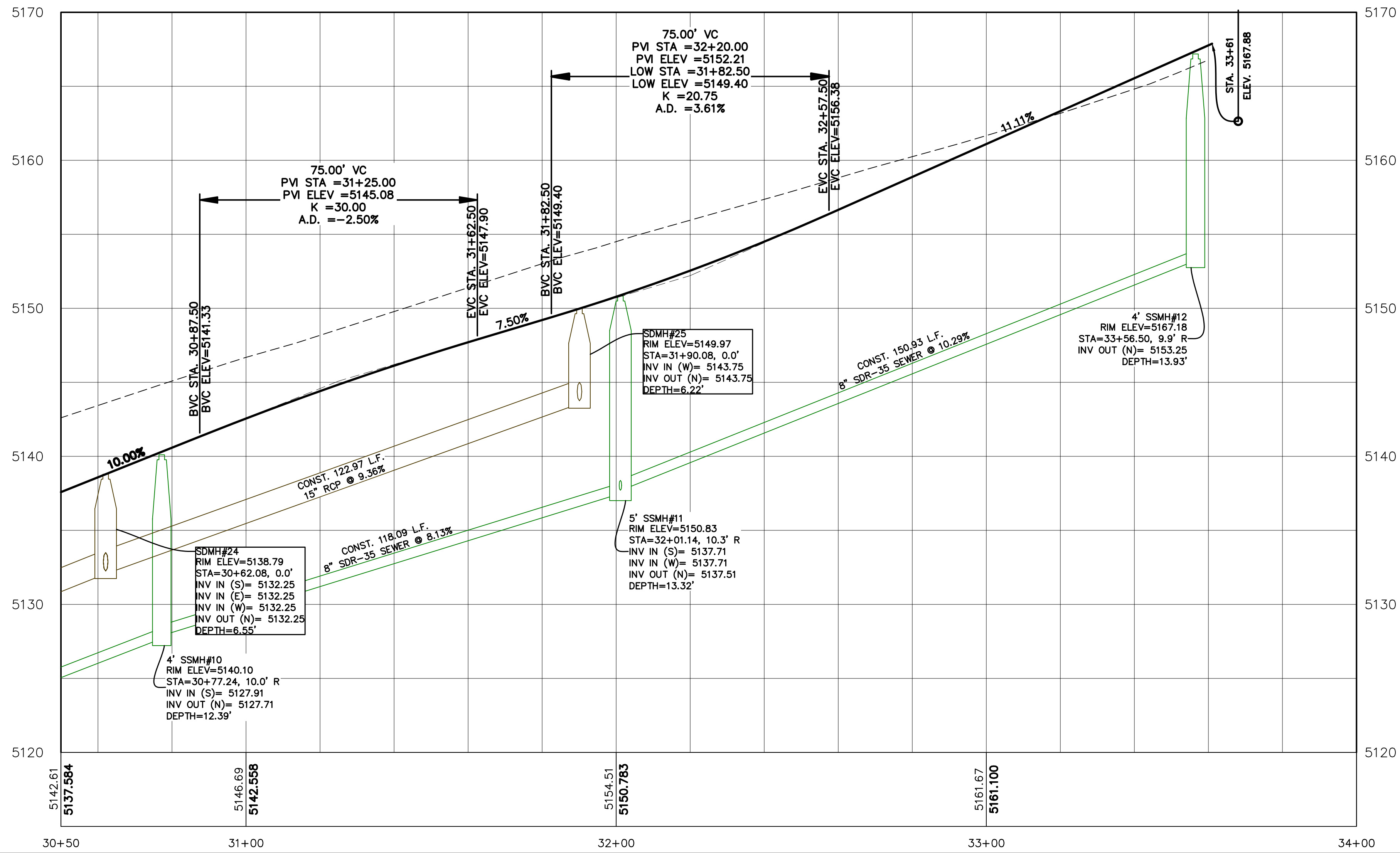
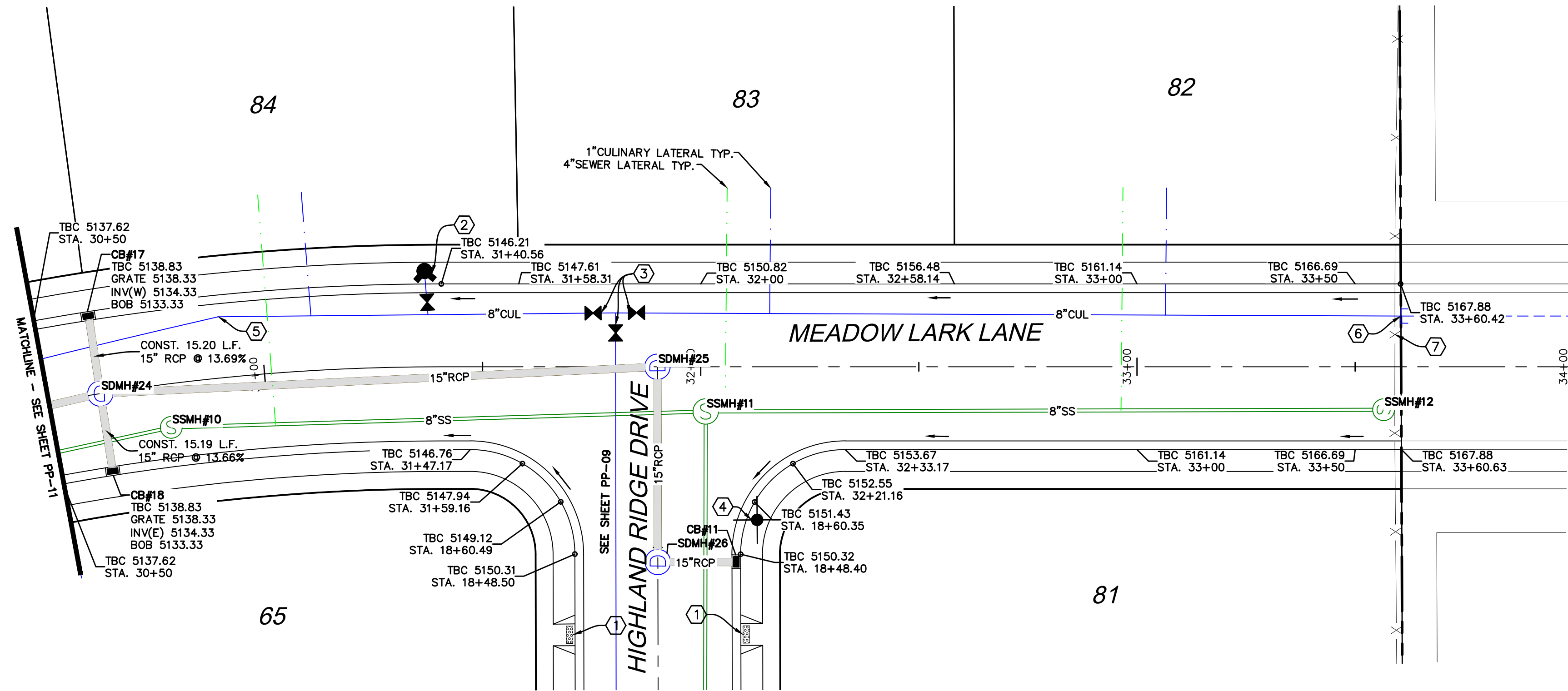
PP-11

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- CONSTRUCTION NOTES:
1. INSTALL ADA RAMP PER ELK RIDGE CITY STANDARDS.
 2. INSTALL FIRE HYDRANT PER ELK RIDGE CITY STANDARDS.
 3. INSTALL 8" CULINARY VALVE PER ELK RIDGE CITY STANDARDS.
 4. INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS.
 5. INSTALL 11.25' BEND.
 6. CAP/PLUG AND MARK TO SURFACE.
 7. EXISTING FENCE TO BE REMOVED.



(24"x36")
SCALE 1" = 20'
(11"x17")
SCALE 1" = 40'



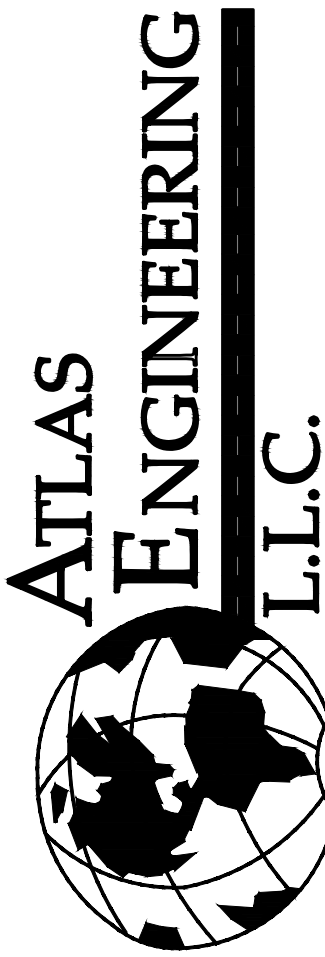
SHEET NO.

PP-12

MEADOW LARK LANE
STA. 30+50 TO STA. 34+00

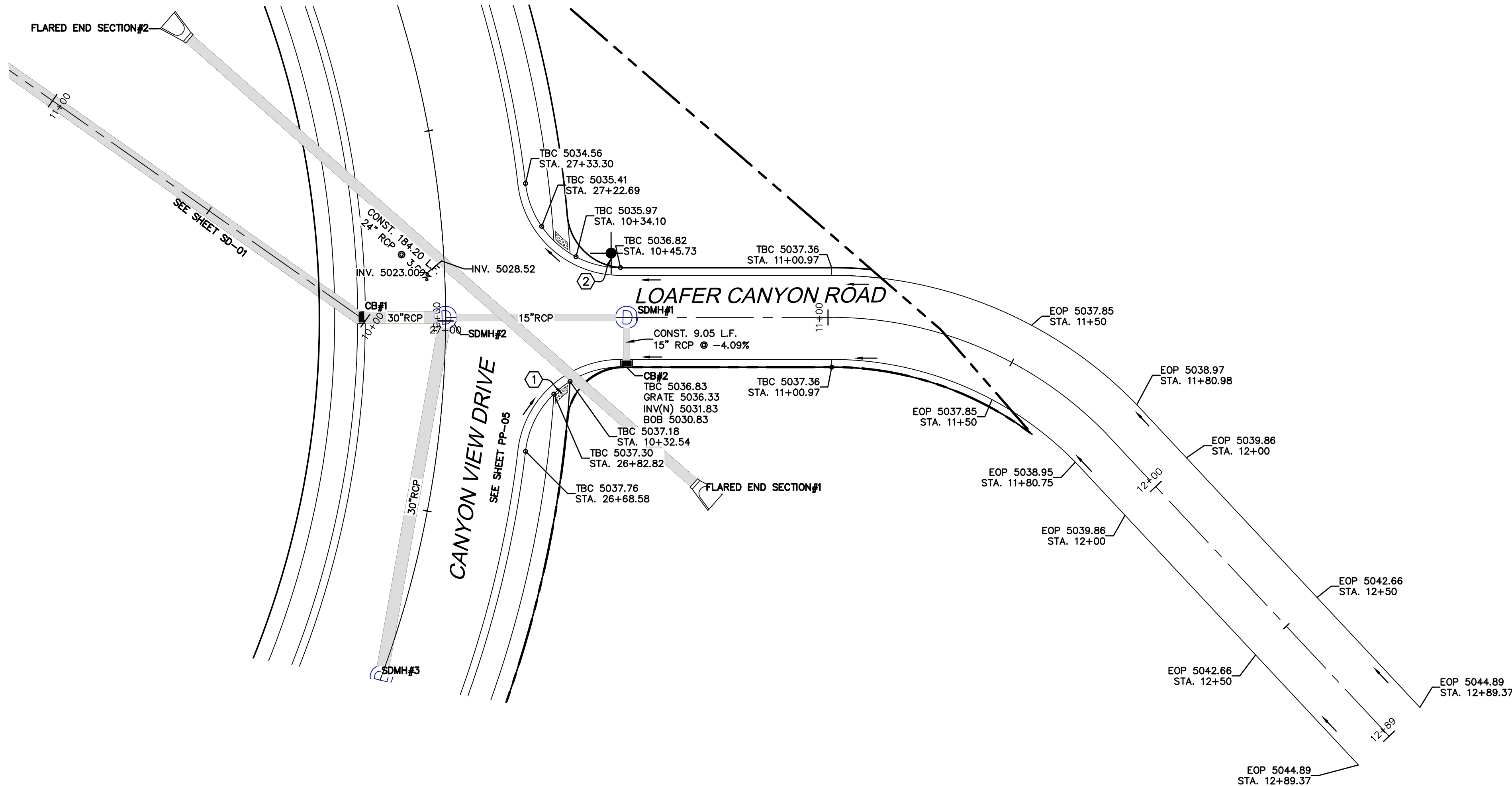
ELK RIDGE, UT

HIGHLANDS PHASE I

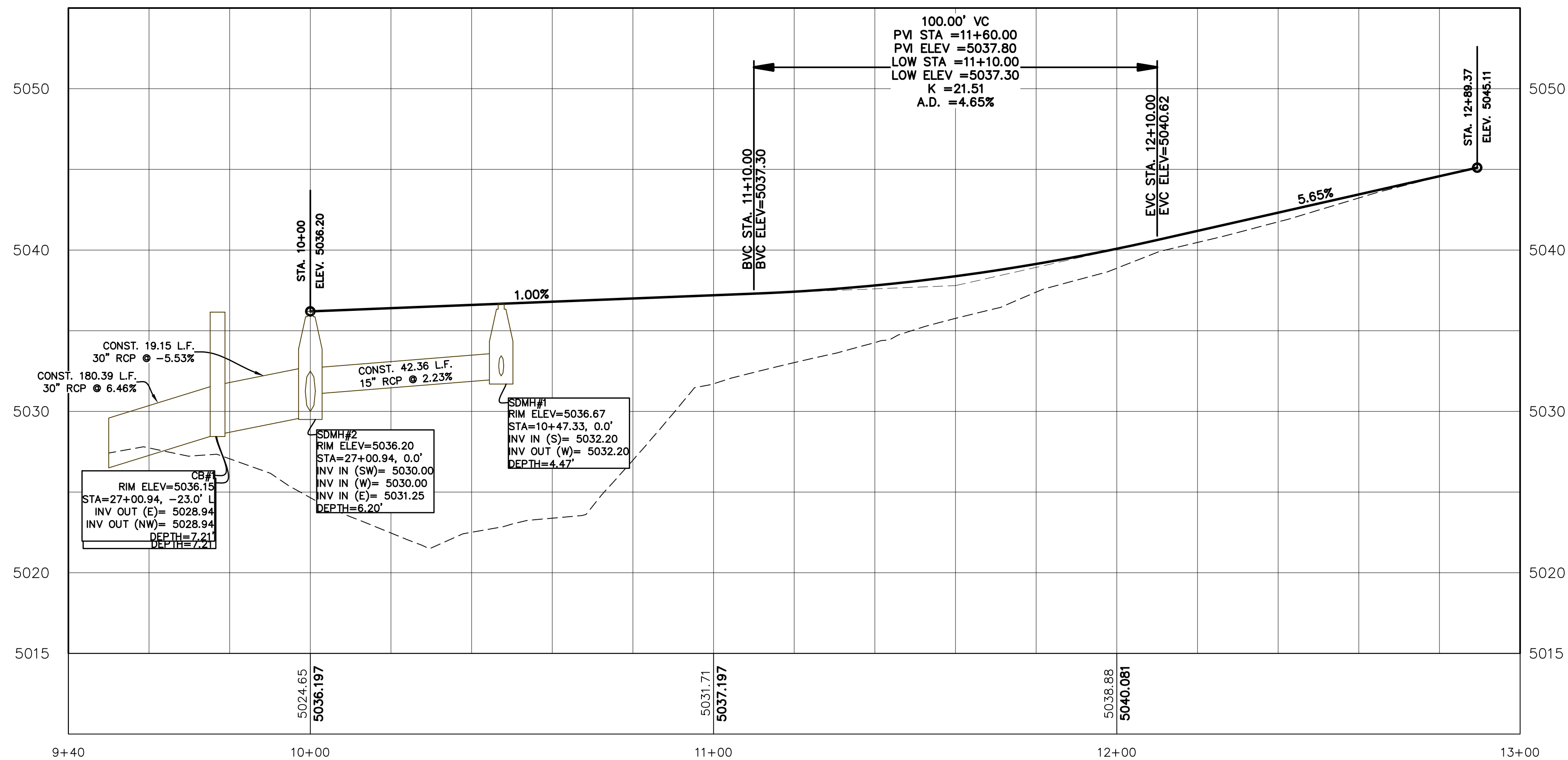
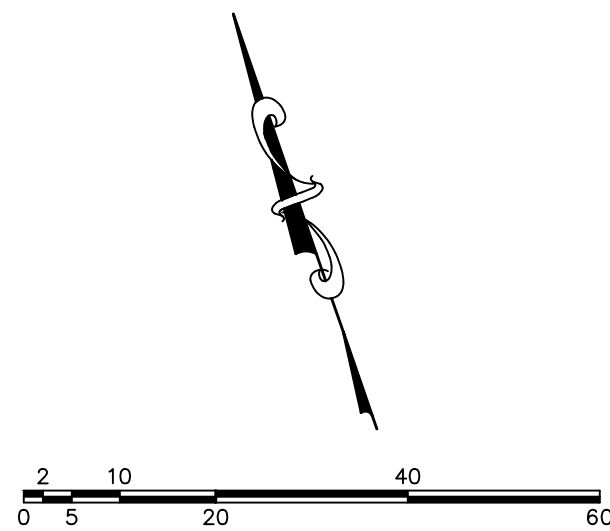


PHONE: 801-655-0566
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

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- CONSTRUCTION NOTES:**
- ① INSTALL ADA RAMP PER ELK RIDGE CITY STANDARDS.
 - ② INSTALL STREET SIGN PER ELK RIDGE CITY STANDARDS.



LOAFER CANYON ROAD
STA. 10+00 TO STA. 12+89

ELK RIDGE, UT

HIGHLANDS PHASE I



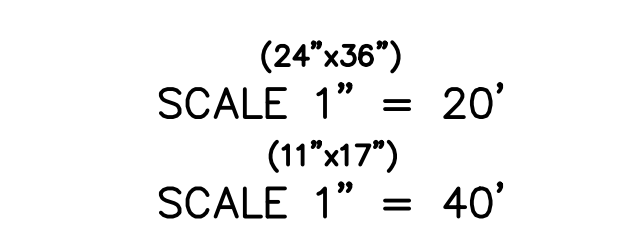
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946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

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SHEET NO.

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ELK RIDGE, UT

HIGHLANDS PHASE I

ATLAS

ENGINEERING

946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

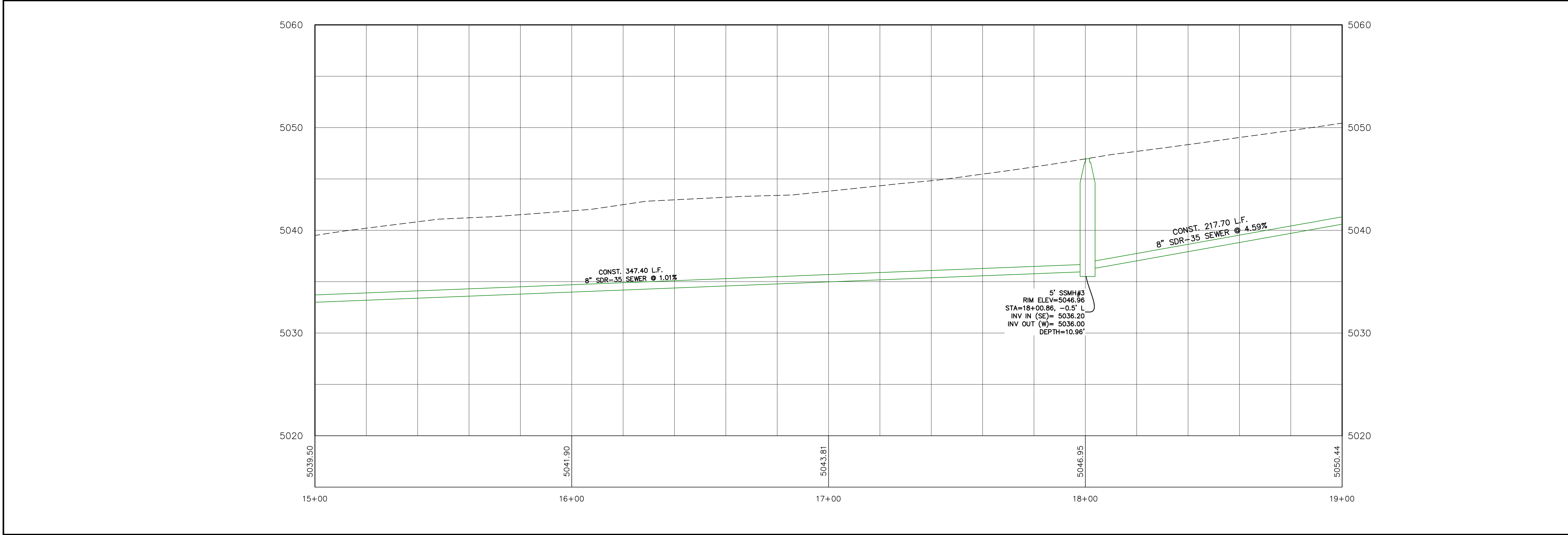
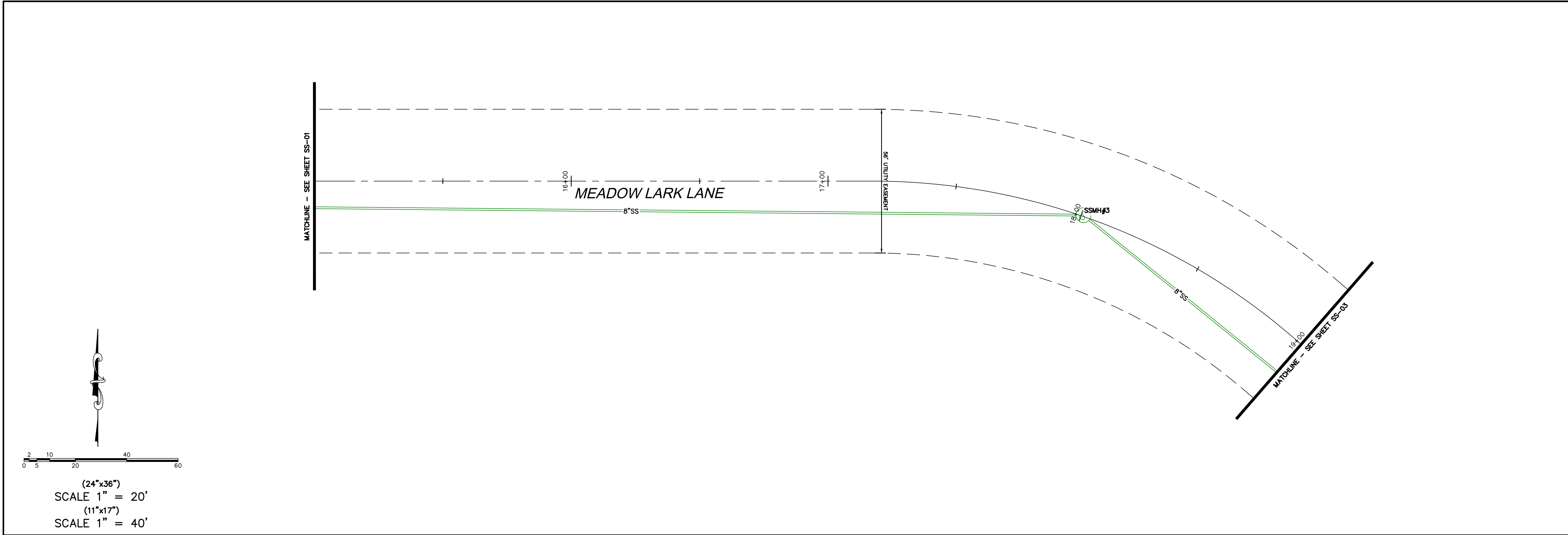
L.L.C.

Z:\2022\22-028 HIGHLANDS PHASE II\CADD\PRELIMINARY\SS-01.DWG

SHEET NO.

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NO.	REVISIONS	BY	DATE



(24"x36")
SCALE 1" = 20'
(11"x17")
SCALE 1" = 40'

HIGHLANDS PHASE I

ATLAS ENGINEERING

L.L.C.

PHONE: 801-655-0566
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

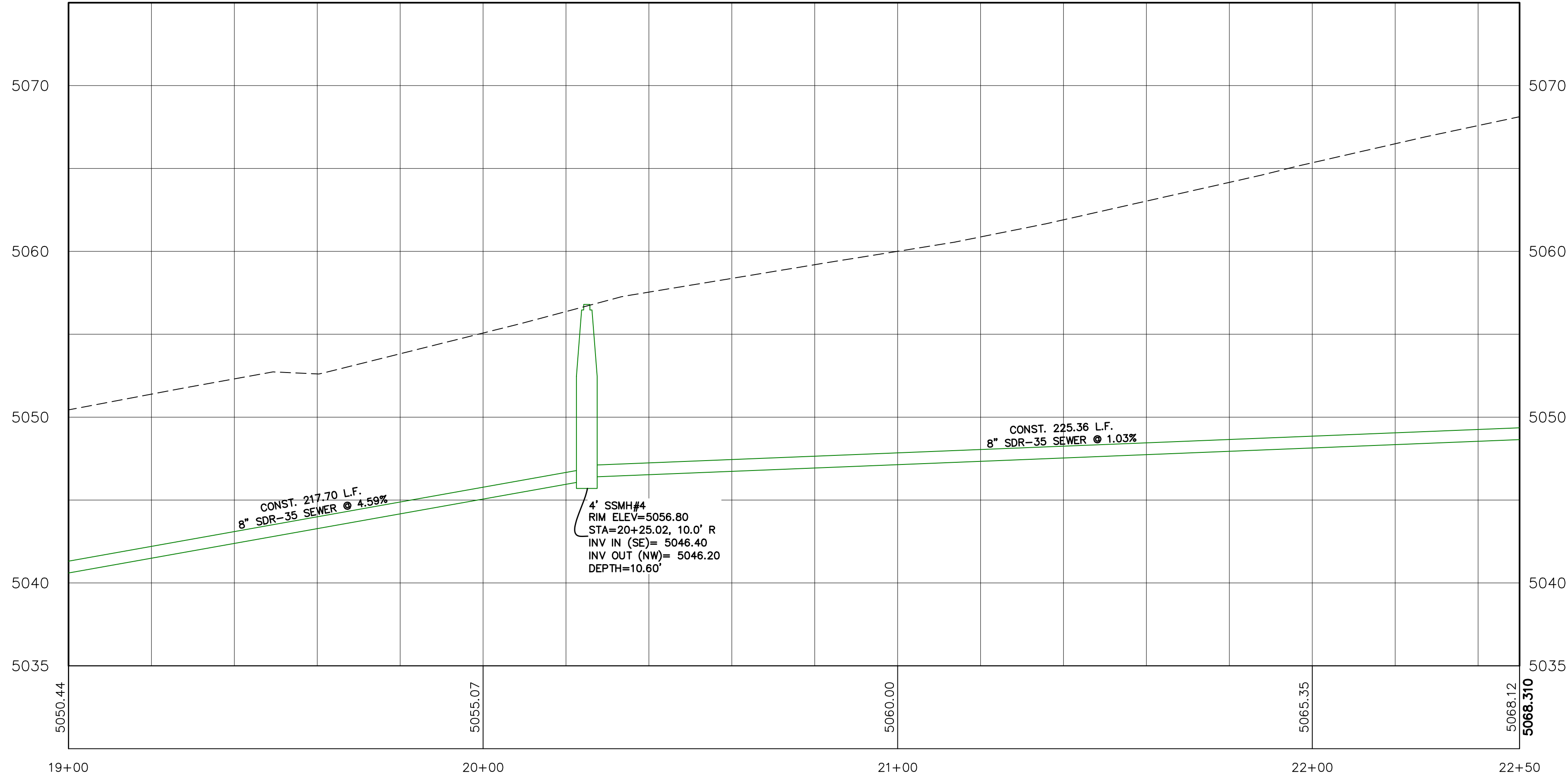
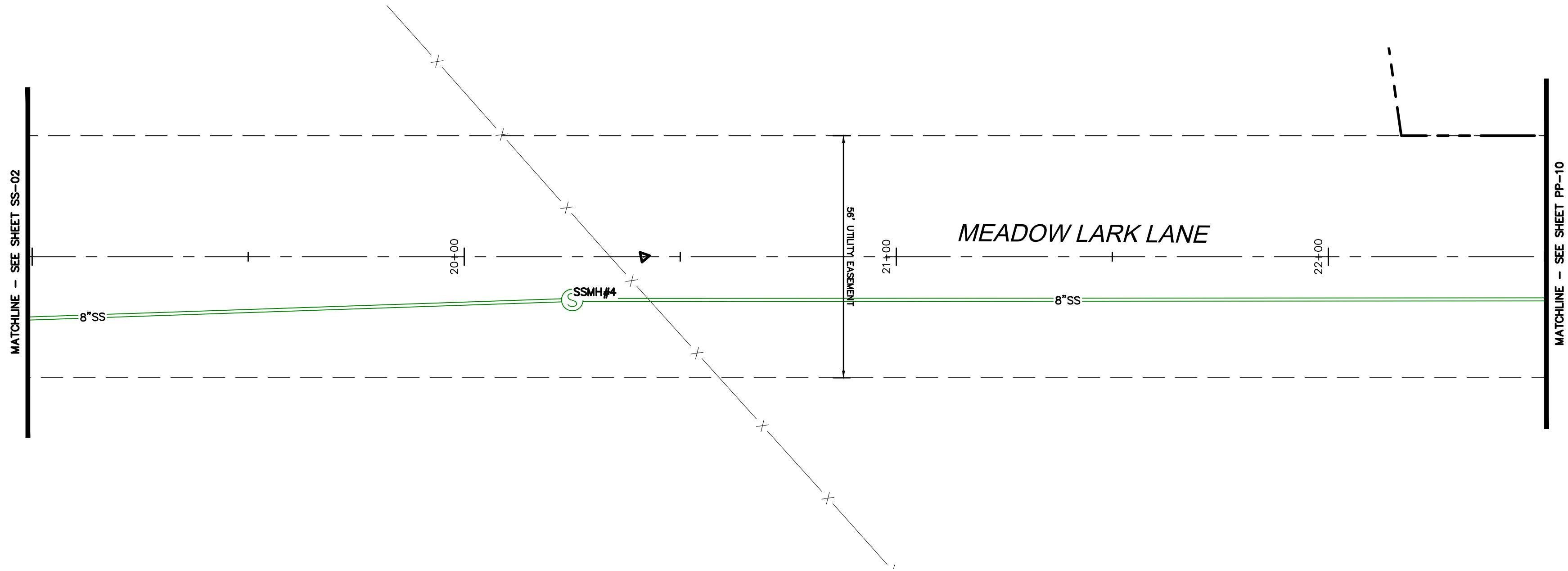
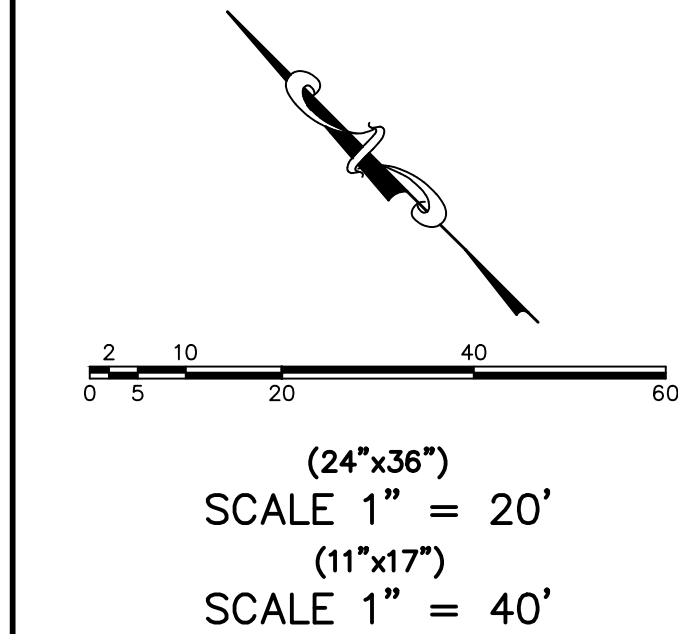
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OFFSITE UTILITIES STA.
STA. 15+00 TO STA. 19+00

ELK RIDGE, UT

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REVISIONS												
BY												
DATE												

SHEET NO.
SS-02



HIGHLANDS PHASE I

ATLAS

ENGINEERING

L.L.C.

PHONE: 801-655-0566

946 E. 800 N. SUITE A

SPANISH FORK, UT 84660

Z:\2022\22-0728 HIGHLANDS PHASE I\GADD\PRELIMINARY\SS-03.DWG

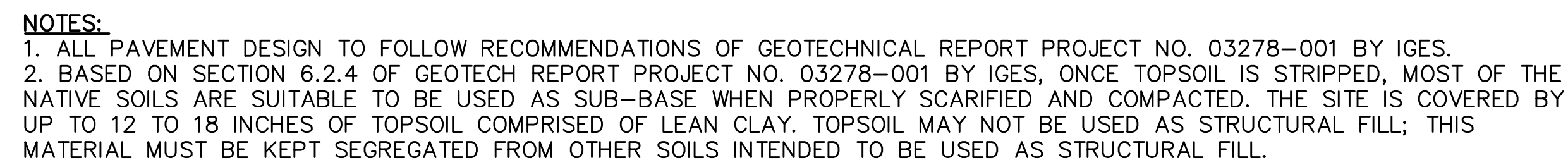
OFFSITE UTILITIES STA.
STA. 19+00 TO STA. 22+50

ELK RIDGE, UT

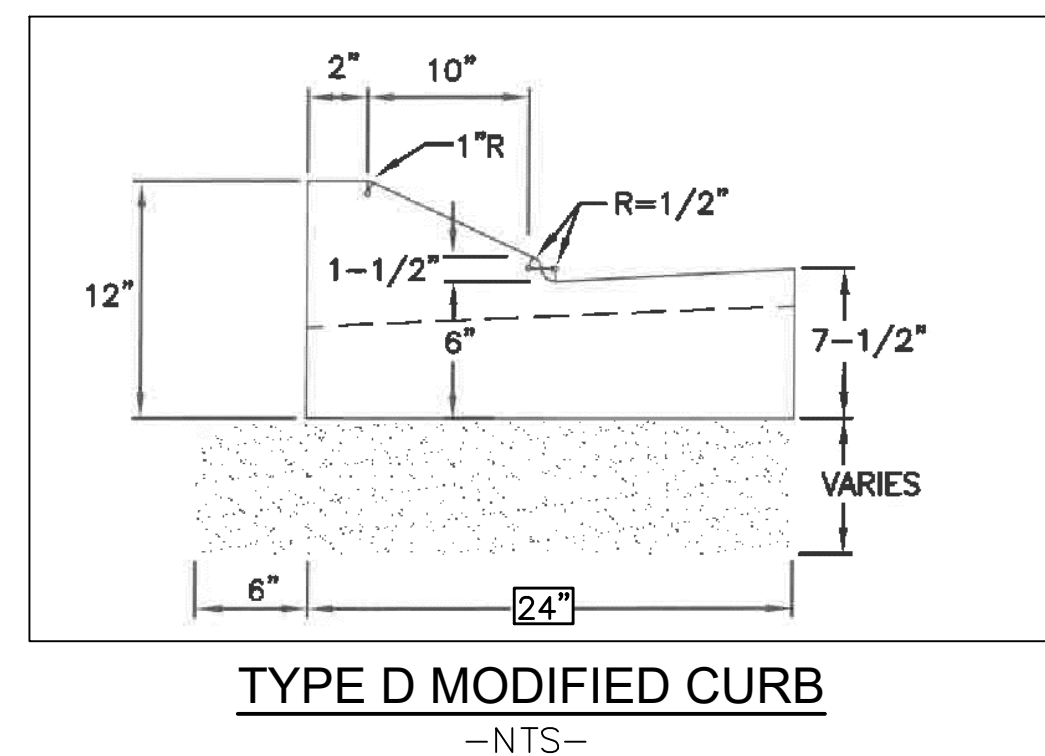
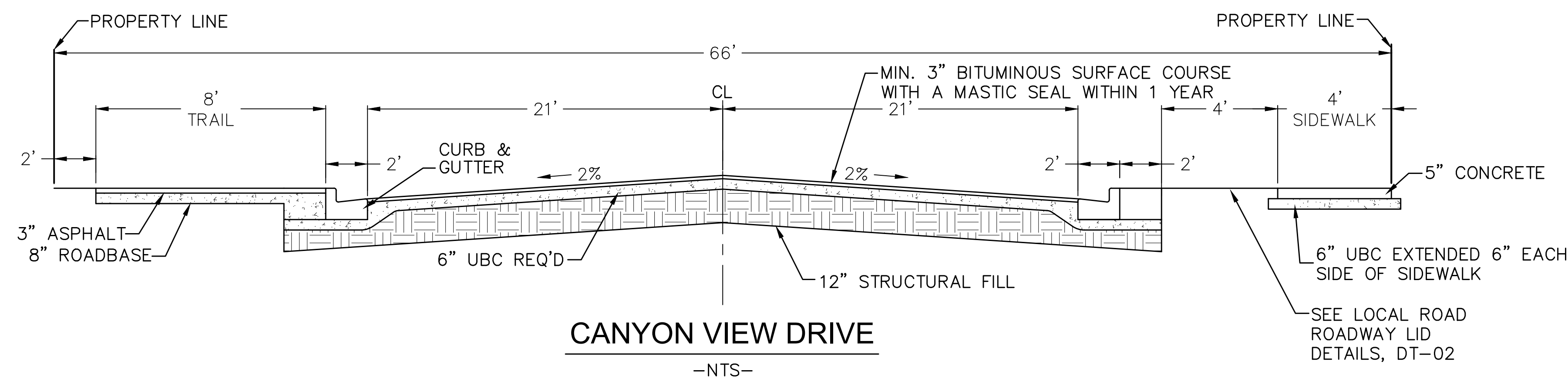
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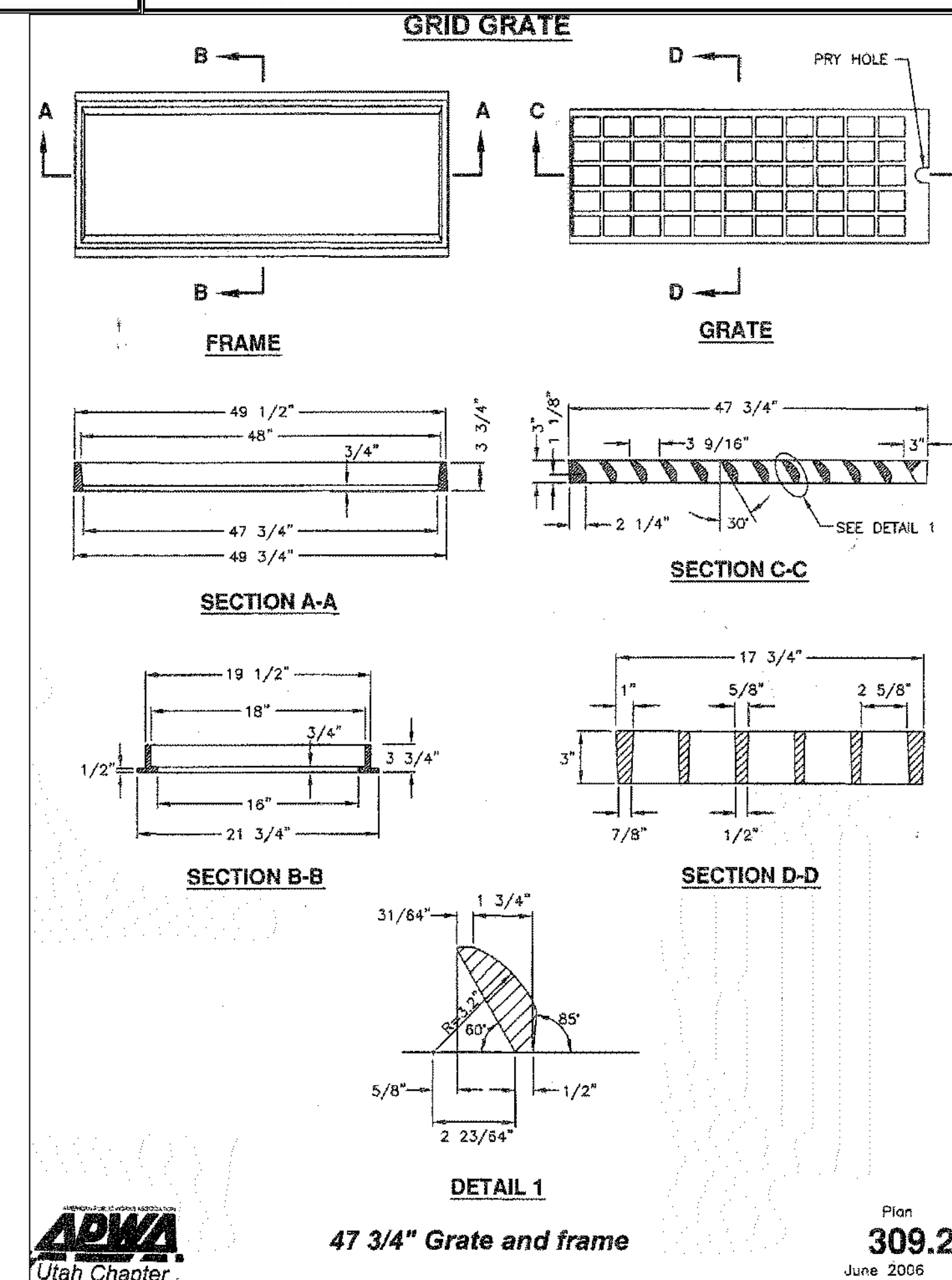
SS-03

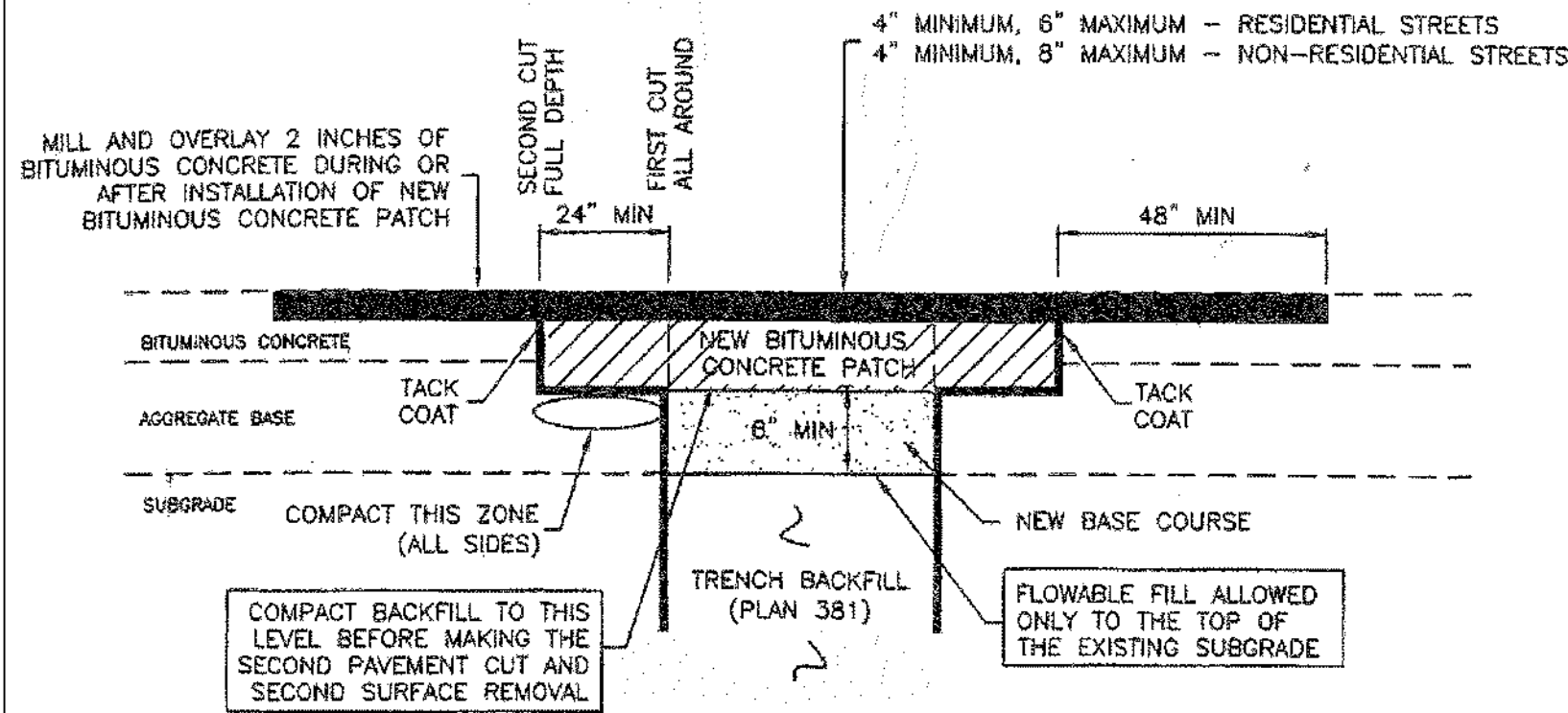


DETAIL - TYPICAL 56' RIGHT-OF-WAY STREET SECTION
-NTS-

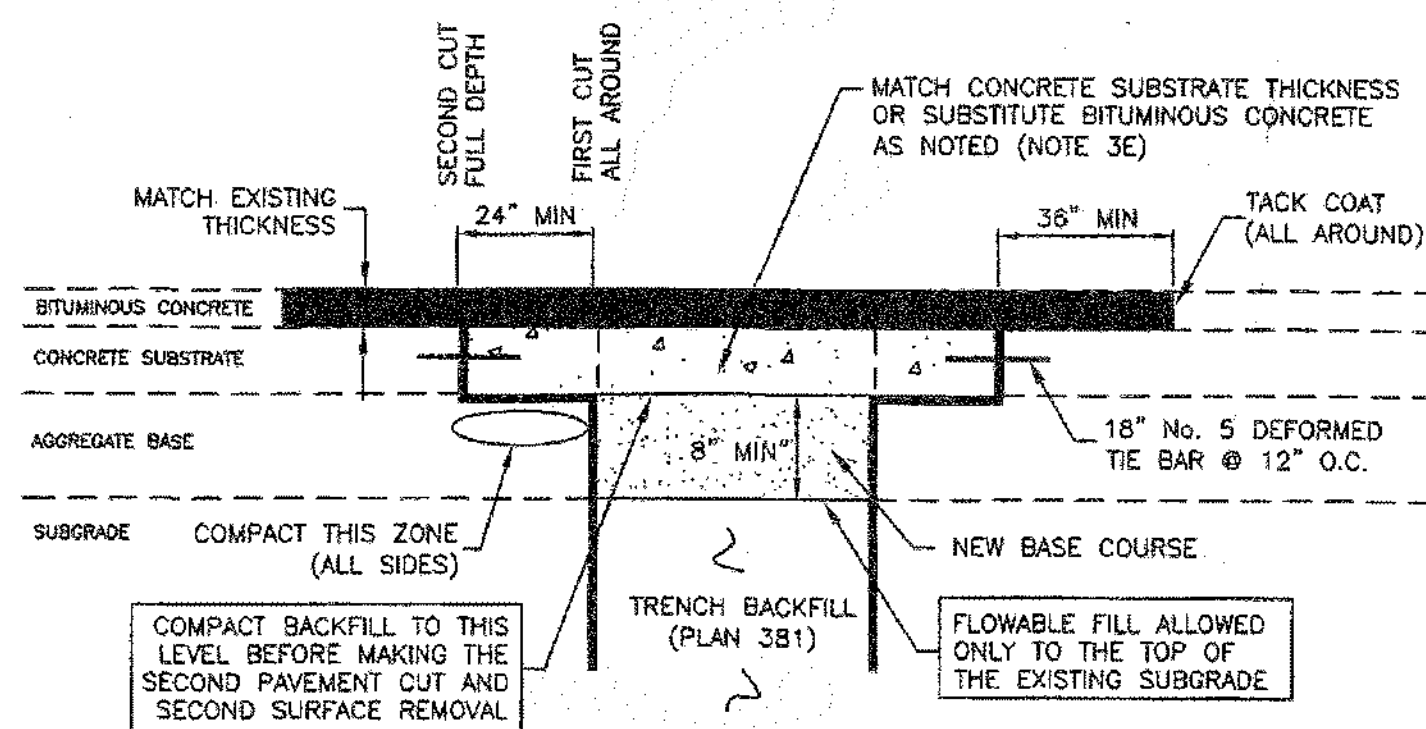


1. **UNTREATED BASE COURSE:** Provide material specified in APW A Section 02060. Do not use gravel or sewer rock. Place per APWA Section 02322. Compact per APWA Section 02324 to a modified proctor density of 95-percent or greater. Maximum lift thickness is 8-inches before compaction.
2. **CONCRETE:** Class 4000 per APWA Section 03304. Place per APWA Section 02770. Cure per APWA Section 03390.
 - A If necessary, provide concrete that achieves design strength in less than 7 days. Use caution, however, as spider cracks develop if air temperature exceeds 90 degrees F.
 - B. Unless shown otherwise, provide 1/2-inch radius on concrete edges exposed to public view.
3. **FINISH:** Fine hair broom on longitudinal grades under 6% and rough hair broom on longitudinal grades over 6%.
4. **DEPTH OF SIDEWALK (T):**
 - A. New construction: Nominal 6" in residential zones, 8" in non-residential zones.
 - B. Removal and replacement construction: Match existing.





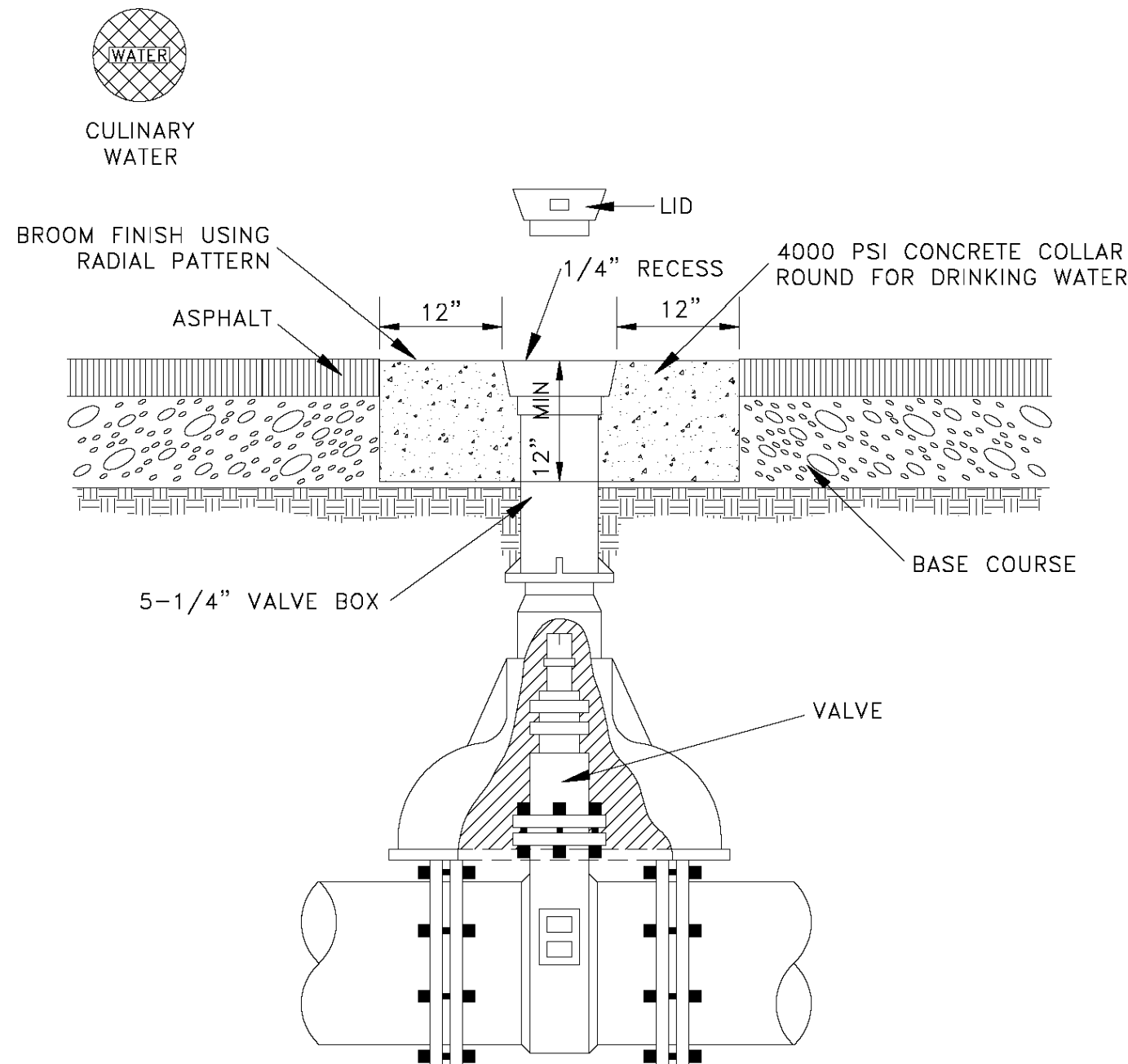
BITUMINOUS CONCRETE RESTORATION



COMPOSITE RESTORATION

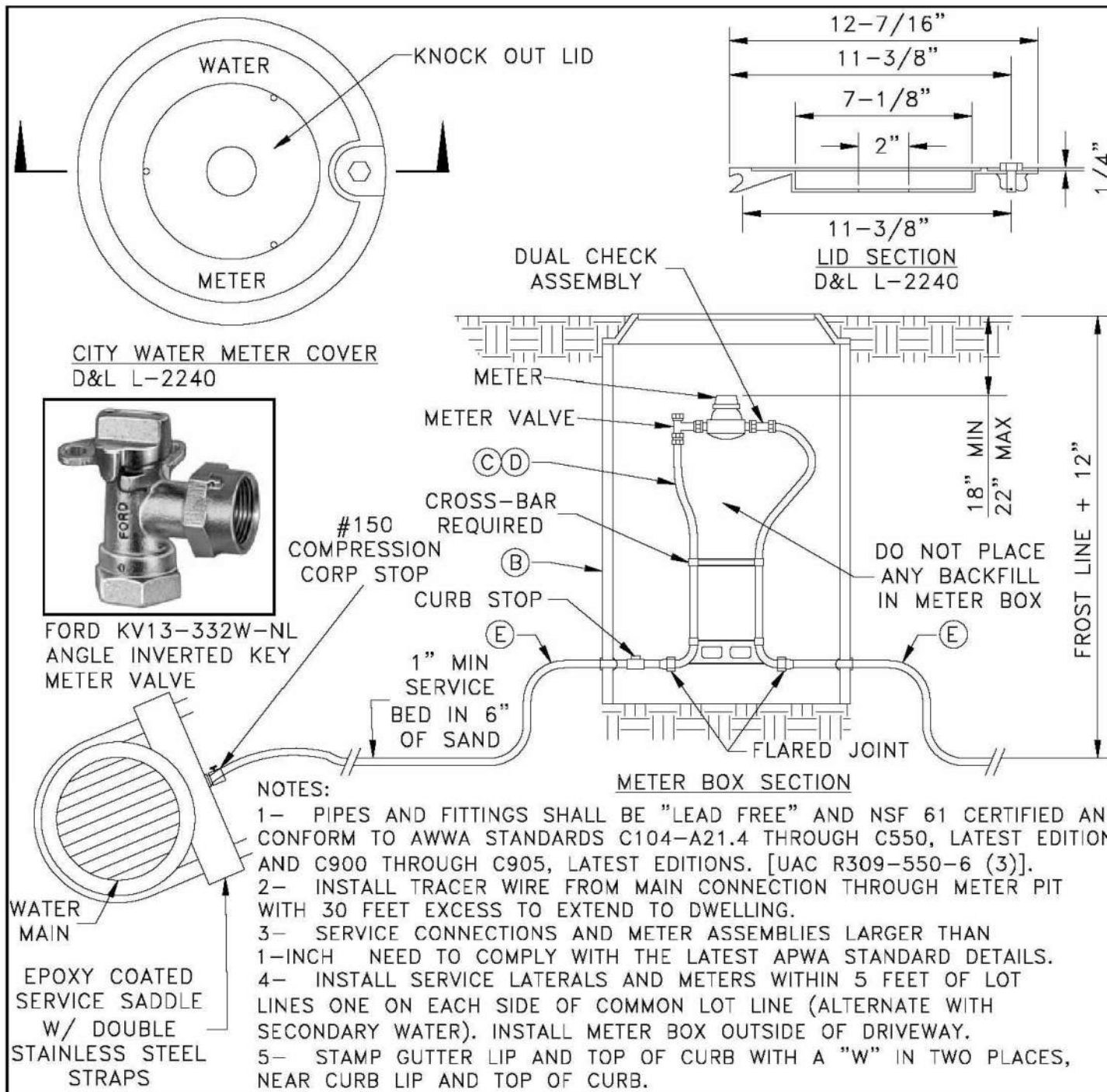
Bituminous pavement T-patch

1. **GENERAL**
 - A. Vertical cuts in bituminous pavement may be done by saw or pavement zipping. If cuts greater than 6 inches are necessary to prevent pavement "break off" consult ENGINEER for directions on handling additional costs.
 - B. Repair a T-patch restoration if any of the following conditions occur prior to final payment or at the end of the one year correction period.
 - 1) Pavement surface distortion exceeds 1/4-inch deviation in 10 feet. Repair option - plane off surface distortions. coat planed surface with a cationic or anionic mulsion that complies with APWA Section 32 12 03..
 - 2) Separation appears at a connection to an existing pavement or any Street Fixture. Repair option - blow separation clean and apply joint sealant, Plan 265.
 - 3) Cracks at least 1-foot long and 1/4-inch wide occur more often than 1 in 10 square feet. Repair option - blow clean and apply crack seal, Plan 265.
 - 4) Pavement raveling is greater than 1 square foot per 100 square feet. Repair option - Mill and inlay, APWA Sections 32 01 16.71 and 32 12 05.
2. **PRODUCTS**
 - A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
 - B. Flowable Fill: Target is 60 psi in 28 days with 90 psi maximum in 28 days, APWA Section 31 05 15. It must flow easily requiring no vibration for consolidation.
 - C. Reinforcement. No. 5, galvanized or epoxy coated, deformed, 60 ksi yield grade steel, ASTM A615.
 - D. Concrete: Class 4000, APWA Section 03 30 04.
 - E. Tack Coat: APWA Section 32 12 13.13.
 - F. Bituminous Concrete. APWA Section 32 12 05.
 - 1) Warm Weather Patch: PG64-22-DM-1/2, unless indicated otherwise.
 - 2) Cold Weather Patch: Modified MC-250-FM-1 as indicated in APWA Section 33 05 25.
3. **EXECUTION**
 - A. Base Course Placement: APWA Section 32 05 10. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
 - B. Flowable Fill: Cure to initial set before placing aggregate base or bituminous pavement. Use in excavations that are too narrow to receive compaction equipment.
 - C. Tack Coat: Clean all horizontal and vertical surfaces. Apply full coverage all surfaces.
 - D. Pavement Placement: Follow APWA Section 32 12 16.13. Unless indicated otherwise, lift thickness is 3-inches minimum after compaction. Compact to 94 percent of ASTM D2041 (Rice density) plus or minus 2 percent.
 - E. Bituminous Concrete Substitution: If bituminous concrete is substituted for Portland cement concrete substrate, omit rebar and provide 1.25 inches of bituminous concrete for each 1 inch of Portland cement concrete. Follow paragraph E requirements.
 - F. Reinforcement. Required if thickness of existing Portland-cement concrete substrate is 6-inches or greater. Not required if 1) less than 6-inches thick, 2) if existing concrete is deteriorating, 3) if excavation is less than 3 feet square, or 4) if bituminous pavement is substituted for Portland-cement concrete substrate.
 - G. Concrete Substrate. Cure to initial set before placing new bituminous concrete patch.



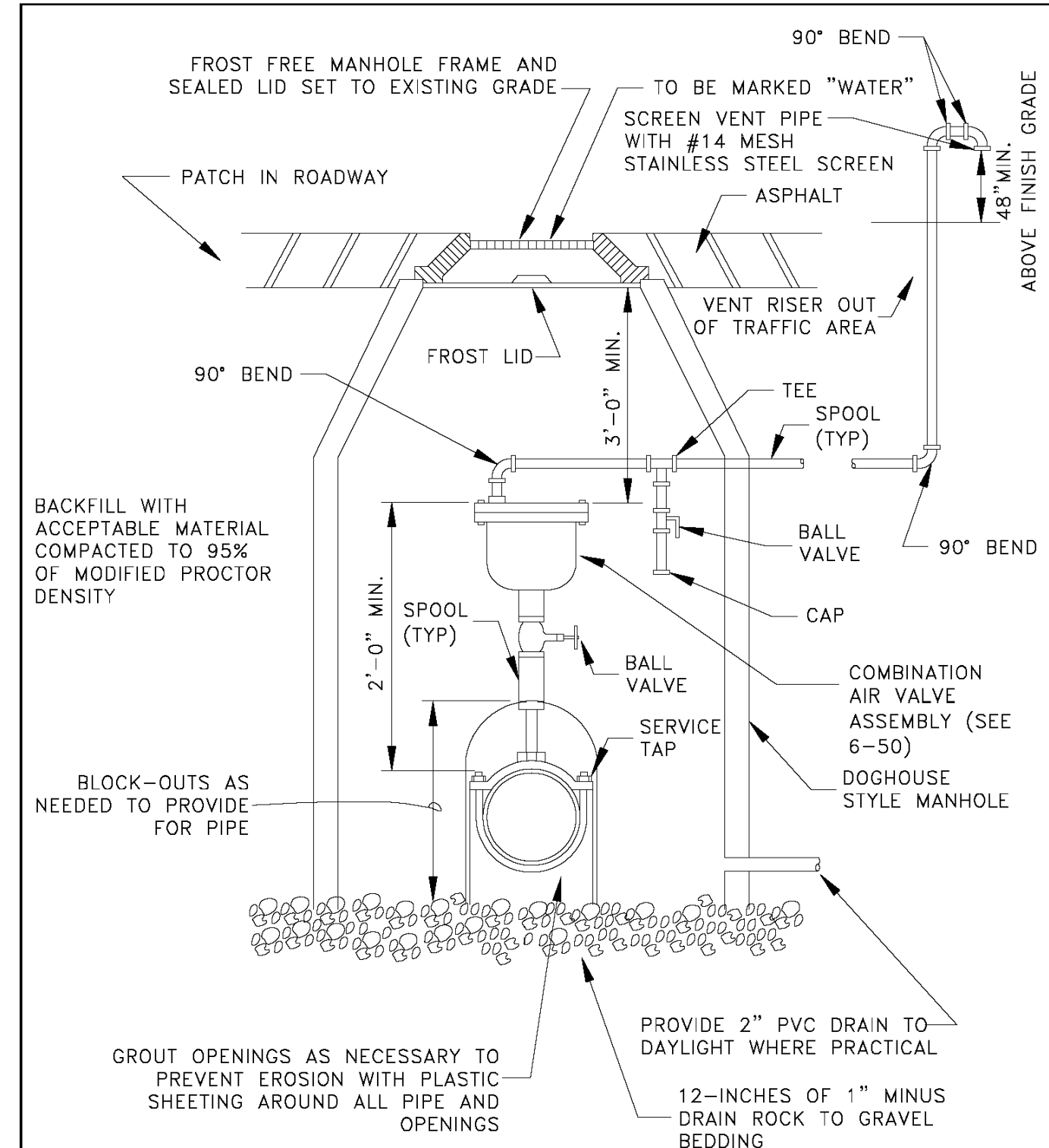
- NOTES:
1. RAISE VALVE BOX AND PLACE CONCRETE COLLAR AFTER PAVING OPERATION IS COMPLETED.
 2. ALL PIPES, FITTINGS & APPURTENANCES SHALL BE NSF-61 CERTIFIED AND CONFORM TO AWWA STANDARDS C104-A21.4 THROUGH C550, LATEST EDITIONS AND C900 THROUGH C905, LATEST EDITIONS. [UAC R309-550-6 (3)].
 3. BURIED GATE VALVES SHALL BE USED FOR LINES 10-INCHES AND SMALLER. BURIED BUTTERFLY VALVES SHALL BE USED FOR LINES 12-INCHES AND LARGER.
 4. ISOLATION VALVES SHALL BE PROVIDED AT NO MORE THAN 500-FOOT INTERVALS IN COMMERCIAL DISTRICTS AND AT NO MORE THAN ONE BLOCK OR 800-FOOT INTERVALS IN OTHER DISTRICTS, [UAC 309-550-5(8)].

**CITY OF ELK RIDGE
VALVE BOX COLLAR DETAIL**



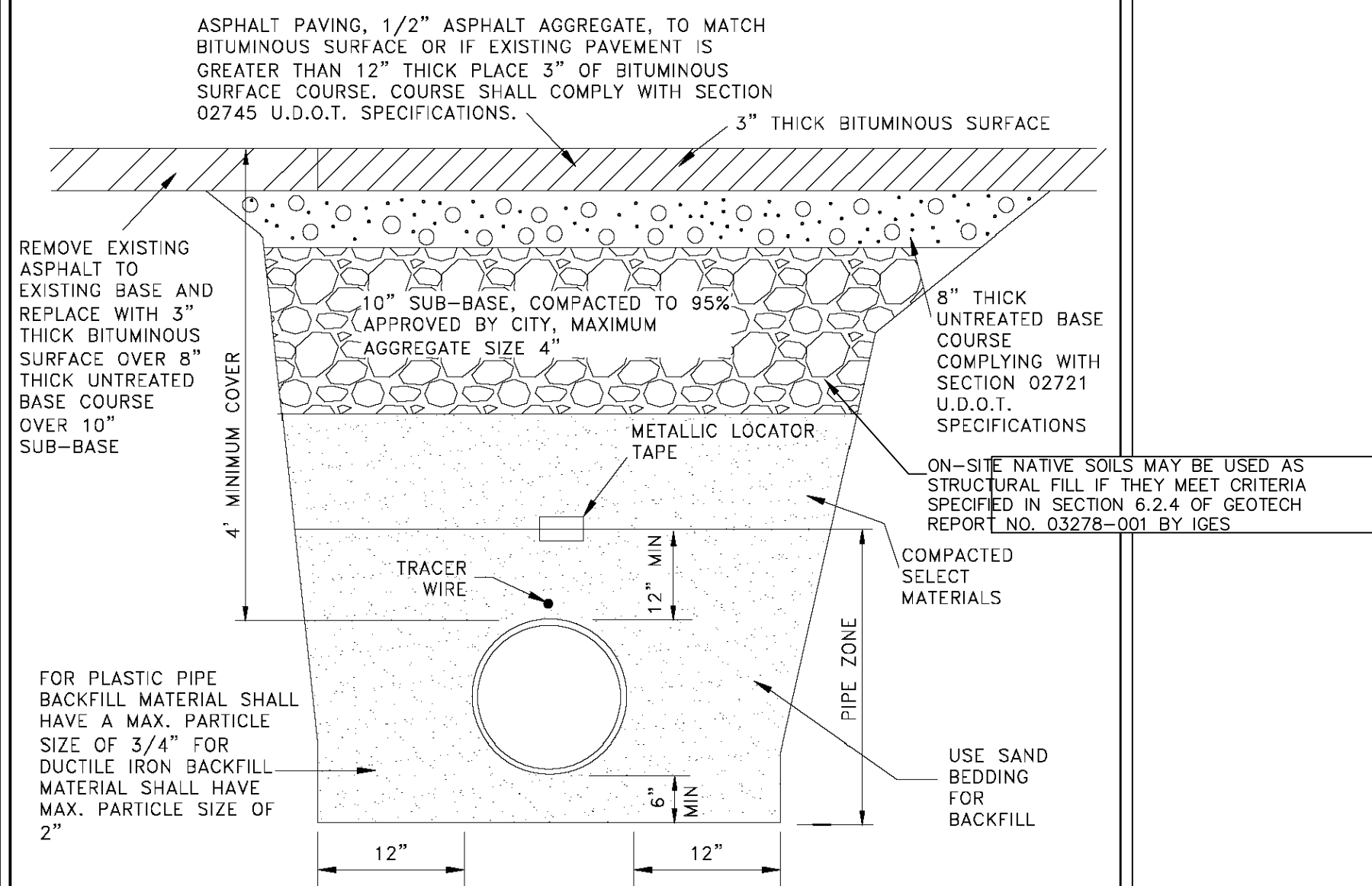
LEGEND			
No	*	ITEM	DESCRIPTION
(A)		FRAME AND COVER	CAST IRON COVER (GRASS)
(B)		METER BOX (21" DIAMETER) (30" TO 36" DEEP)	WHITE CORRUGATED PE
(C)		1" METER YOKE	DUAL CHECK ASSEMBLY REQUIRED
(D)		1" METER YOKE	OPTIONAL BACKFLOW PROTECTION PER AGENCY REQUIREMENTS
(E)		1" SERVICE LINE	HDPE IPS SDR 9

**CITY OF ELK RIDGE
SERVICE CONNECTION & METER ASSEMBLY**



- NOTE:
- 1- ALTERNATELY, THE OPEN END OF THE PIPE MAY BE EXTENDED TO AS LITTLE AS 1 FOOT ABOVE THE TOP OF THE PIPE IF THE VALVE CHAMBER IS NOT SUBJECT TO FLOODING, OR IF IT MEETS THE REQUIREMENTS OF UAC R309-550-6(7).

**CITY OF ELK RIDGE
AIR RELEASE VALVE MANHOLE DETAIL**



- NOTES:
1. PIPES & FITTINGS SHALL BE LEAD FREE.
 2. ASBESTOS CEMENT PIPE SHALL NOT BE ALLOWED.
 3. WATER MAINS & SEWER LINES SHALL NOT BE INSTALLED IN THE SAME TRENCH.
 4. ALL PIPES, FITTINGS & APPURTENANCES SHALL BE NSF-61 CERTIFIED AND CONFORM TO AWWA STANDARDS C104-A21.4 THROUGH C550, LATEST EDITIONS AND C900 THROUGH C905, LATEST EDITIONS. [UAC R309-550-6 (3)].
 5. ALL NEW OR REPLACED WATER LINES SHALL BE FLUSHED & DISINFECTED PER AWWA STANDARD C651 LATEST EDITION.
 6. MATERIAL THICKNESS MAY CHANGE AS DIRECTED BY THE CITY ENGINEER BASED UPON FINDINGS AND RECOMMENDATIONS IN GEOTECHNICAL REPORT.
 7. FOR WATER METERS NOT CONNECTED TO FIRE HYDRANTS, THE MINIMUM LINE SIZE SHALL BE 4" IN DIAMETER, UNLESS THEY SERVE PICNIC SITES, PARKS, SEMI-DEVELOPED CAMPS, PRIMITIVE CAMPS, OR ROADWAY REST-STOPS. MINIMUM WATER MAIN SIZE SERVICING A FIRE HYDRANT LATERAL SHALL BE 8 INCHES IN DIAMETER UNLESS A HYDRAULIC ANALYSIS INDICATES THAT REQUIRED FLOW AND PRESSURES CAN BE MAINTAINED BY 6" LINES. [UAC R309-550-5(4)].
 8. ALL TYPES OF INSTALLED PIPE SHALL BE PRESSURE TESTED AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA C600 (LATEST EDITION).
 9. UNDER NO CIRCUMSTANCES SHALL THE PIPE OR ACCESSORIES BE DROPPED INTO THE TRENCH.
 10. CONSIDERATION SHALL BE GIVEN TO THE MATERIALS TO BE USED WHEN CORROSIVE SOILS OR WATERS WILL BE ENCOUNTERED. [UAC R309-550-5 (9)].

**LOCATED IN SURFACED ROAD
CITY OF ELK RIDGE
UTILITY TRENCH FOR WATER MAIN**

HIGHLANDS PHASE I



PHONE: 801-655-0566
946 E. 800 N. SUITE A
SPANISH FORK, UT 84660

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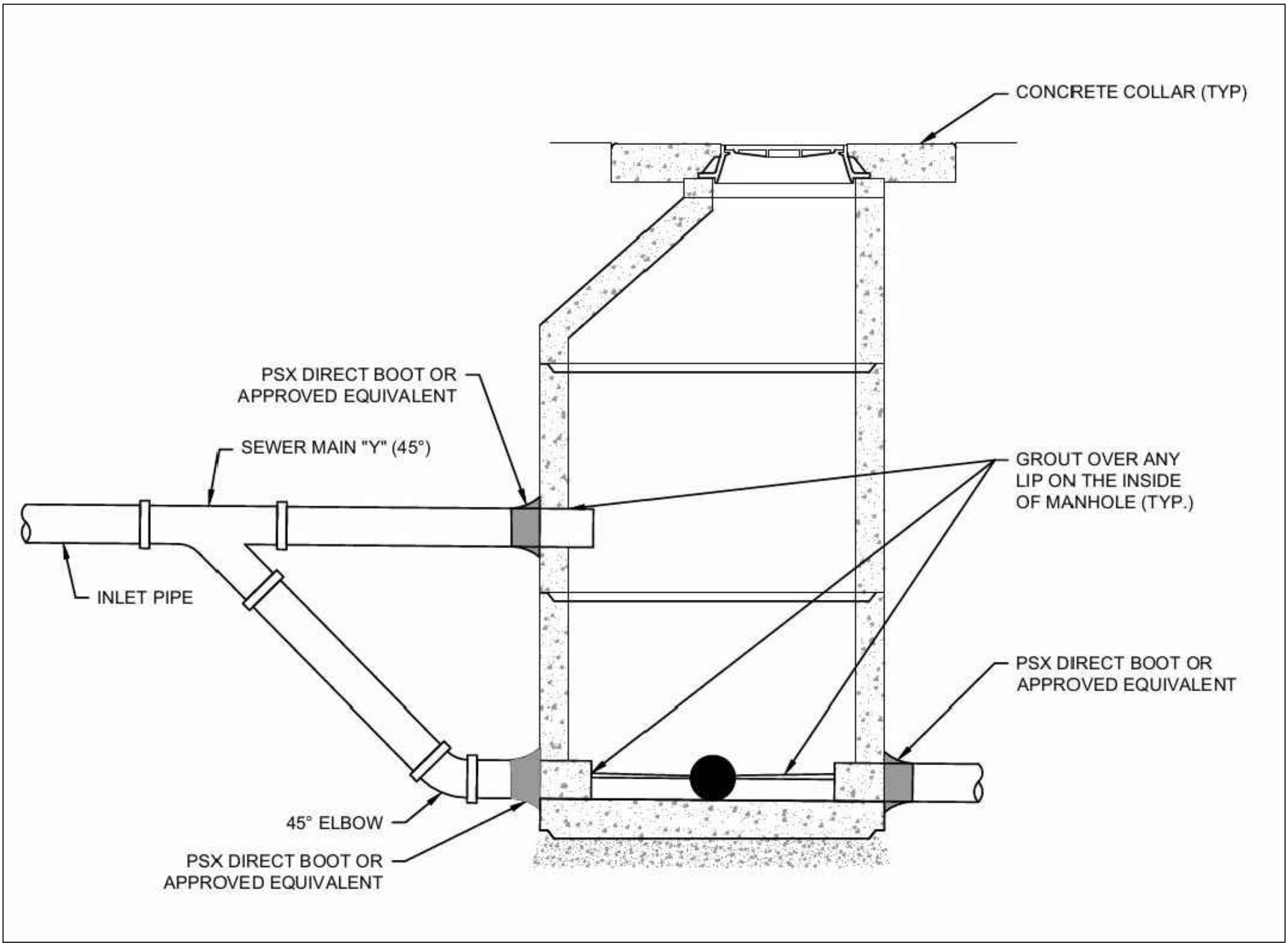
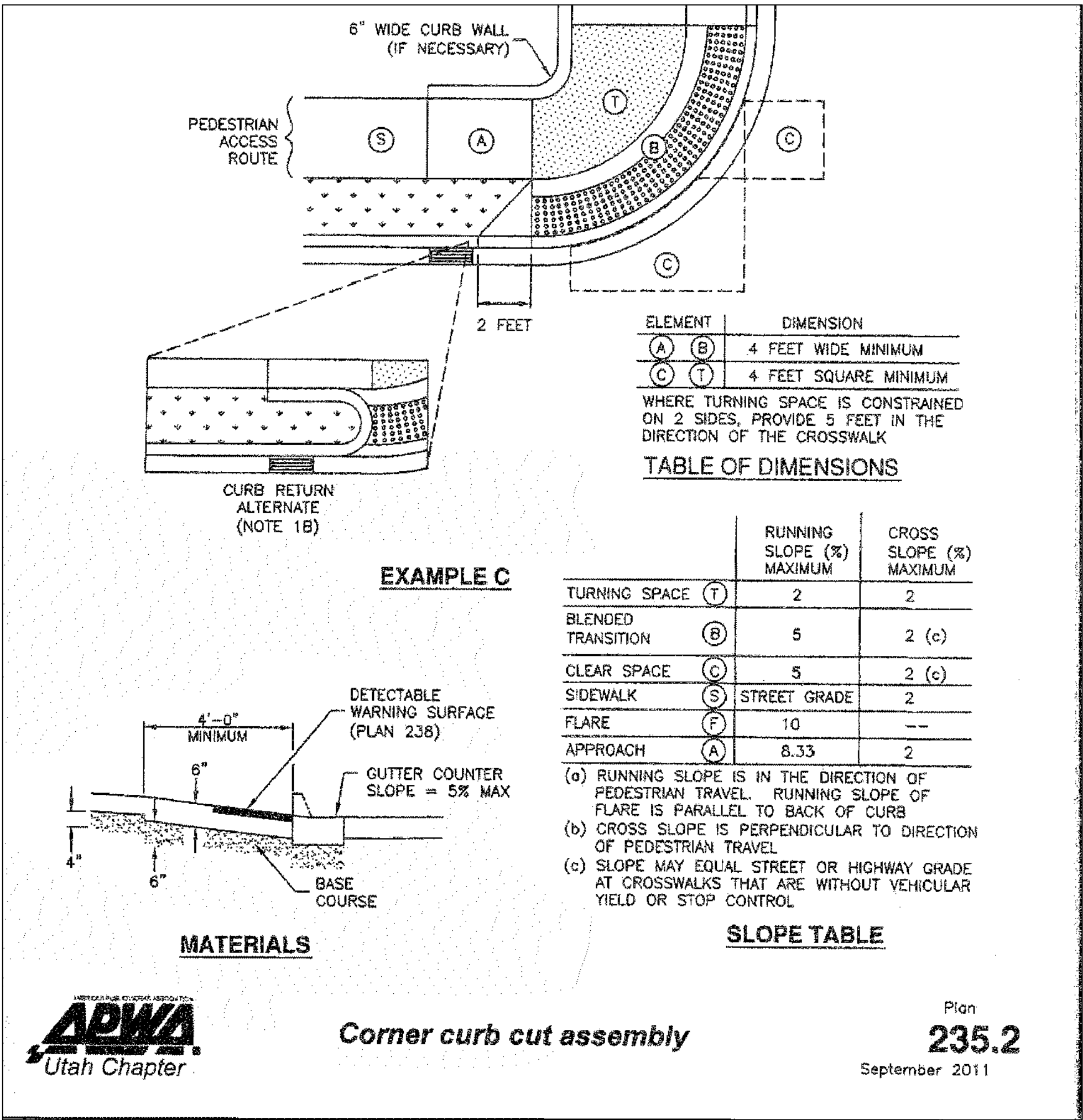
DETAILS

ELK RIDGE, UT

SHEET NO.

DT-03

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HIGHLANDS PHASE I



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DETAILS

ELK RIDGE, UT

SHEET NO.

DT-05

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