

NEVADA COUNTY

Department of Public Works Project Plans

for

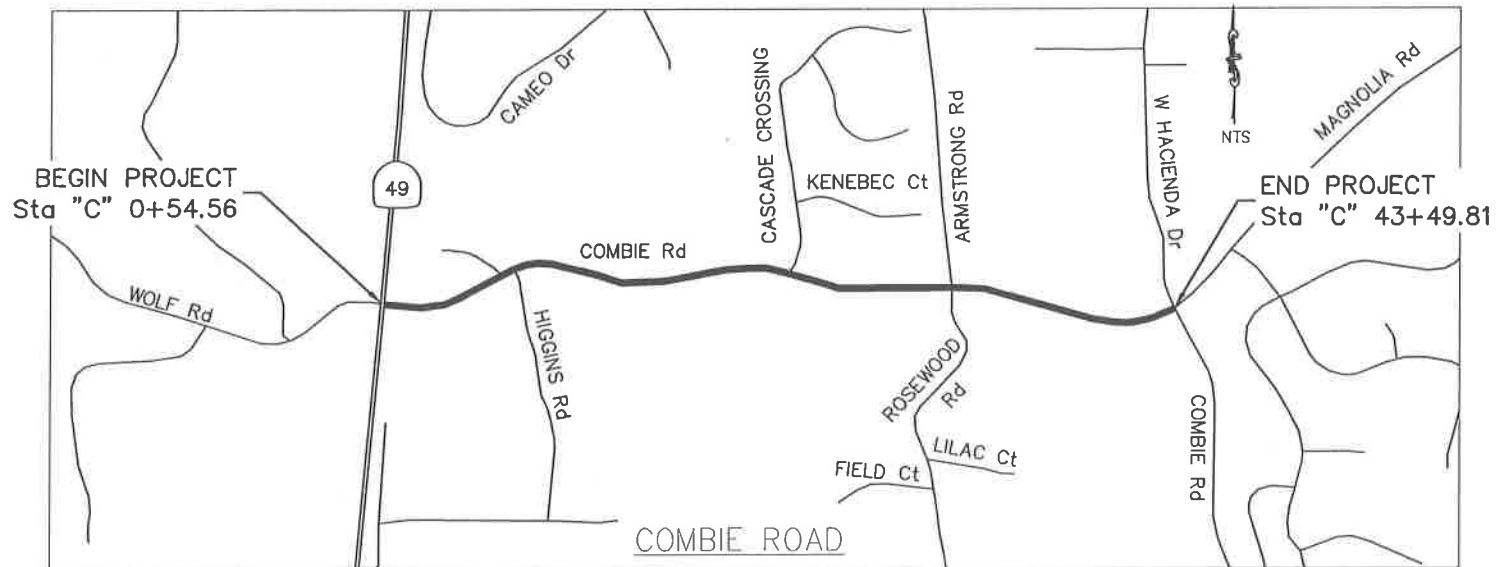
Combie Road Corridor Improvements

County Contract No. 440814

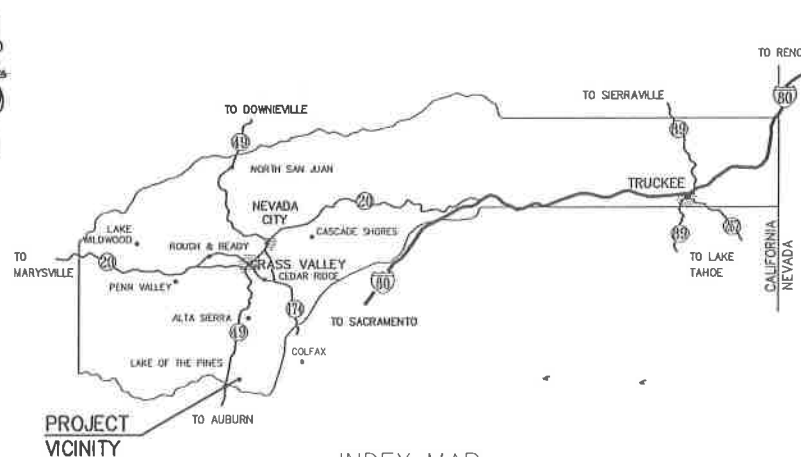
To be supplemented with Standard Plans and Specifications dated 2015, of the California Department of Transportation & Nevada County Standard Plans



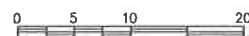
VICINITY MAP



NO SCALE



INDEX MAP



Patrick Perkins, P.E. 52684
Senior Civil Engineer, Department of Public Works

Date

Trisha Tillotson
Director, Department of Public Works

Date

Richard Anderson, Chair
Board of Supervisors

Date

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REVISIONS		
NO.	DESCRIPTION	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 TITLE SHEET

DRAWING: N09-300r01.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Jan 10, 2019

SHEET
T-1
1 OF 107 SHEETS

NOTES:

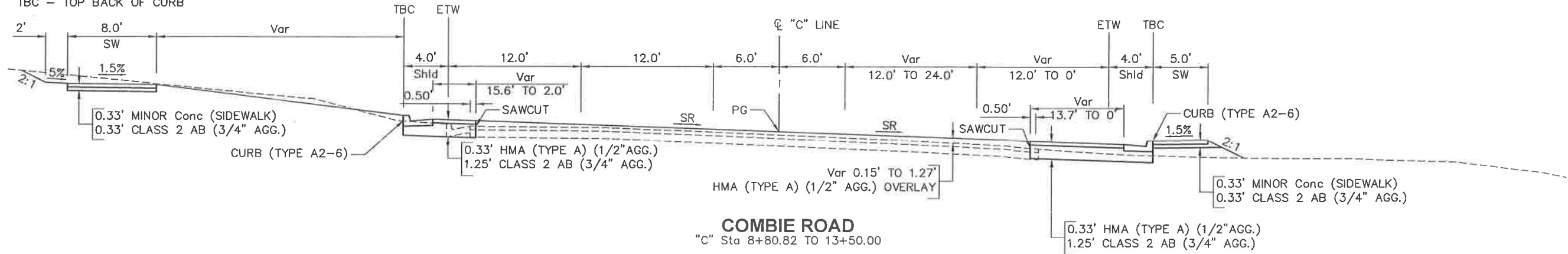
- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO THE TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
- SUPERELEVATIONS ARE SHOWN ON THE PROFILE AND SUPERELEVATION SHEETS.

ABBREVIATIONS:

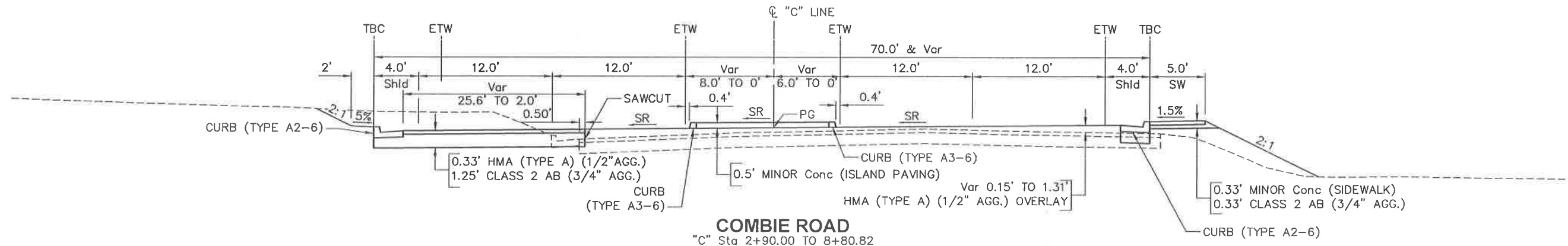
- SR - SUPERELEVATION RATE
- SW - SIDEWALK
- TBC - TOP BACK OF CURB

DESIGN DESIGNATION:

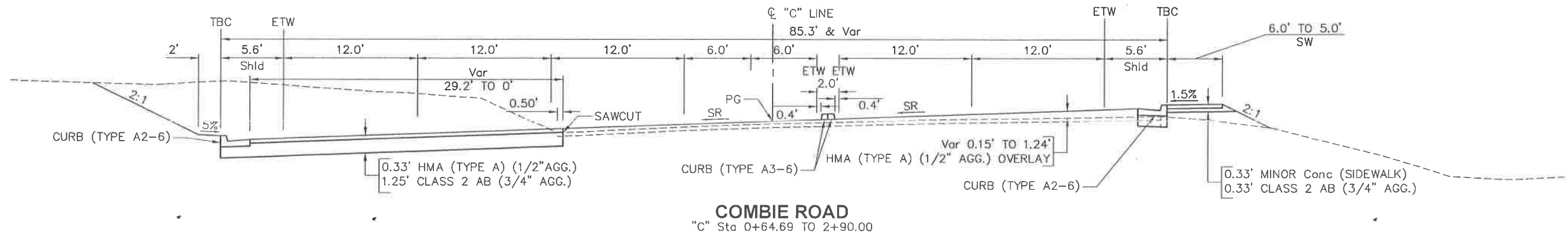
ADT (201X) = 18,000
 AADT (20XX) = 22,000
 V = 30 MPH SR49 TO HIGGINS Rd / 35 MPH HIGGINS Rd TO PG&E SUBSTATION / 40 MPH PG&E SUBSTATION TO MAGNOLIA Rd
 TI = 8



COMBIE ROAD
 "C" Sta 8+80.82 TO 13+50.00



COMBIE ROAD
 "C" Sta 2+90.00 TO 8+80.82



COMBIE ROAD
 "C" Sta 0+64.69 TO 2+90.00

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 TYPICAL CROSS SECTIONS

DRAWING: N09-300ca001.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Sep 25, 2018

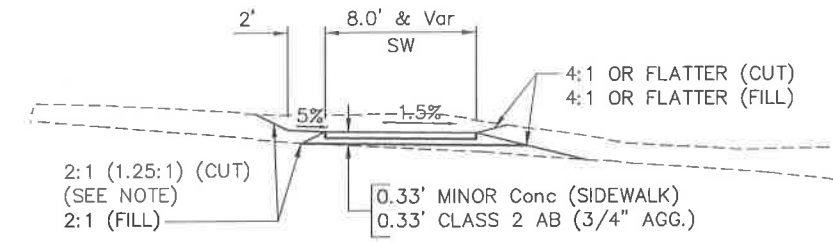
SHEET
 X-1
 2 OF 106 SHEETS

REVISIONS	
NO.	DATE

100% SUBMITTAL

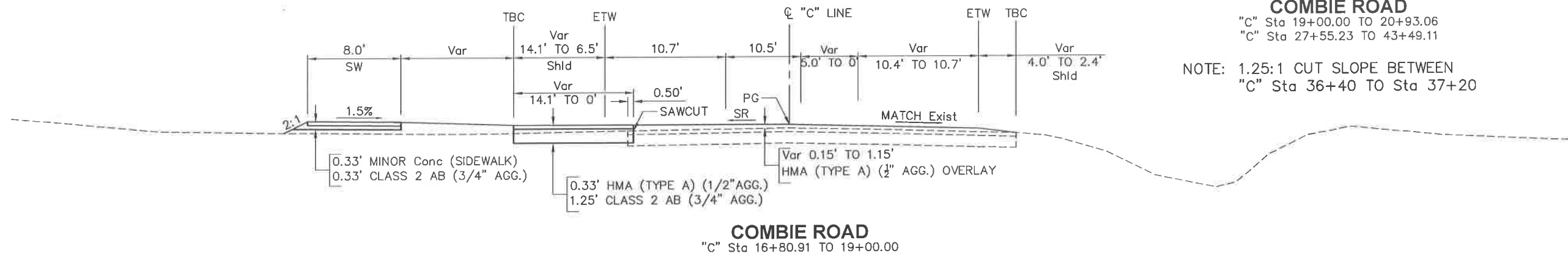
NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO THE TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATIONS ARE SHOWN ON THE PROFILE AND SUPERELEVATION SHEETS.
3. FOR COMPLETE R/W DATA, SEE R/W RECORD MAPS AT THE COUNTY OFFICE.

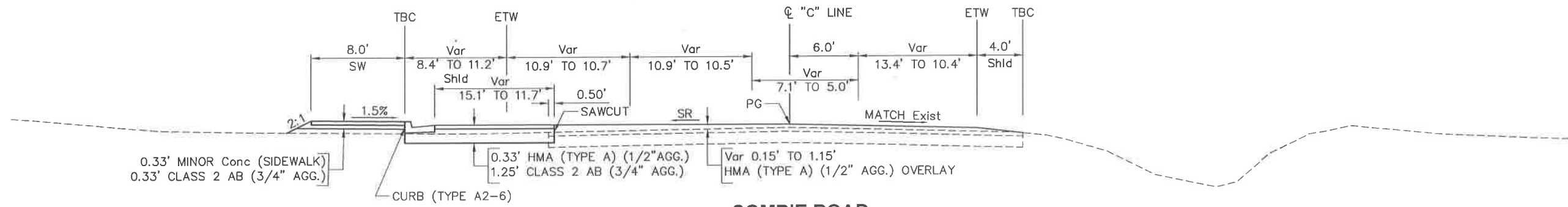


COMBIE ROAD
 "C" Sta 19+00.00 TO 20+93.06
 "C" Sta 27+55.23 TO 43+49.11

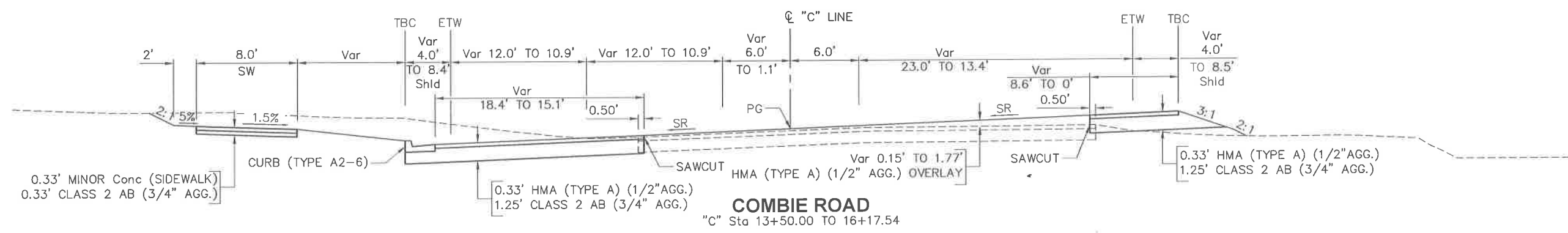
NOTE: 1.25:1 CUT SLOPE BETWEEN
 "C" Sta 36+40 TO Sta 37+20



COMBIE ROAD
 "C" Sta 16+80.91 TO 19+00.00



COMBIE ROAD
 "C" Sta 16+17.54 TO 16+80.91



COMBIE ROAD
 "C" Sta 13+50.00 TO 16+17.54

NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION

COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 TYPICAL CROSS SECTIONS

DRAWING: N09-300cor002.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
 X-2
 3 OF 106 SHEETS

NOTES:

1. DIMENSIONS OF THE STRUCTURAL SECTION ARE SUBJECT TO THE TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION ARE SHOWN ON PROFILE AND SUPERELEVATION SHEETS
3. FOR COMPLETE R/W DATA, SEE R/W RECORD MAPS AT THE COUNTY OFFICE.

REVISIONS			
NO.	DESCRIPTION	BY	DATE



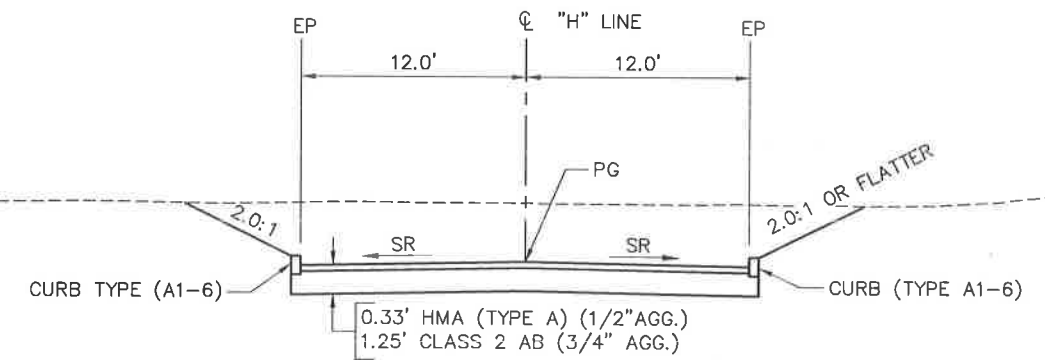
NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



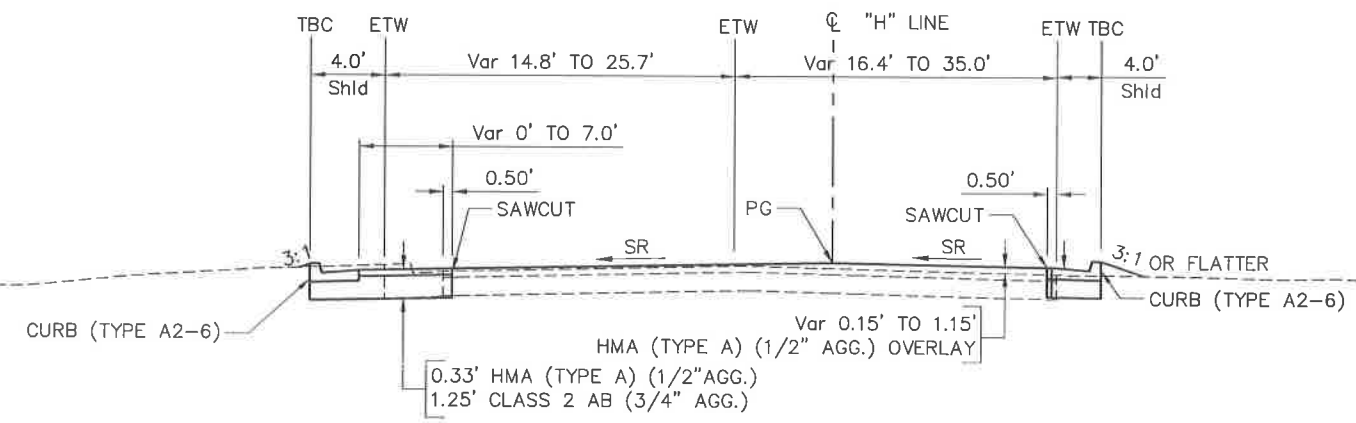
COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 TYPICAL CROSS SECTIONS

DRAWING:	N09-300cat001.dwg
DESIGNED:	MAS
DRAWN:	BG
CHECKED:	JPJ
JOB NO:	N09-300
DATE:	Apr 5, 2018

SHEET
X-3
4 OF 106 SHEETS



FIRESTATION ROAD
"H" Sta 103+89.24 TO 104+05.00



HIGGINS ROAD
"H" Sta 102+00.00 TO 102+94.39

NOTES:

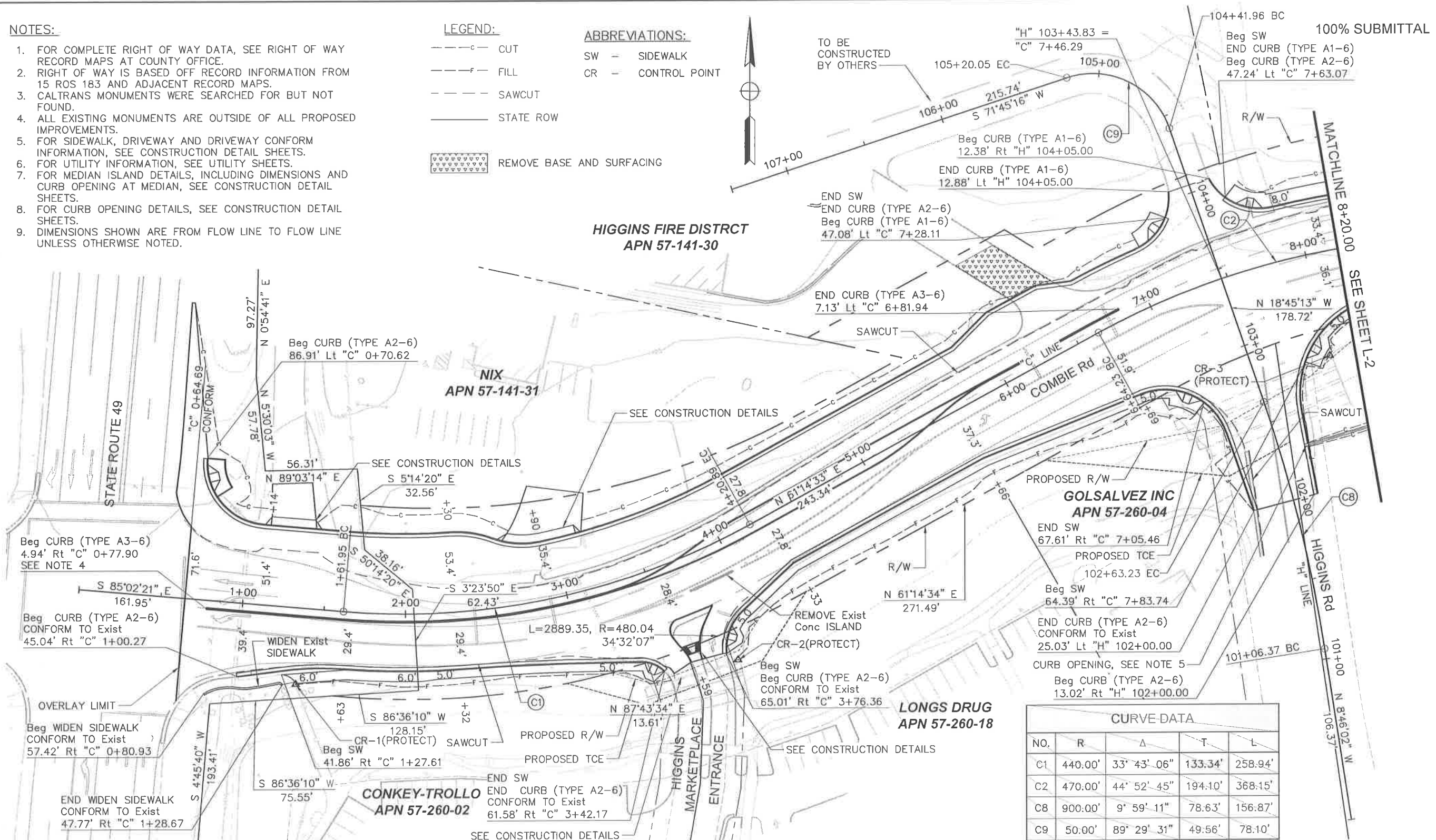
1. FOR COMPLETE RIGHT OF WAY DATA, SEE RIGHT OF WAY RECORD MAPS AT COUNTY OFFICE.
2. RIGHT OF WAY IS BASED OFF RECORD INFORMATION FROM 15 ROS 183 AND ADJACENT RECORD MAPS.
3. CALTRANS MONUMENTS WERE SEARCHED FOR BUT NOT FOUND.
4. ALL EXISTING MONUMENTS ARE OUTSIDE OF ALL PROPOSED IMPROVEMENTS.
5. FOR SIDEWALK, DRIVEWAY AND DRIVEWAY CONFORM INFORMATION, SEE CONSTRUCTION DETAIL SHEETS.
6. FOR UTILITY INFORMATION, SEE UTILITY SHEETS.
7. FOR MEDIAN ISLAND DETAILS, INCLUDING DIMENSIONS AND CURB OPENING AT MEDIAN, SEE CONSTRUCTION DETAIL SHEETS.
8. FOR CURB OPENING DETAILS, SEE CONSTRUCTION DETAIL SHEETS.
9. DIMENSIONS SHOWN ARE FROM FLOW LINE TO FLOW LINE UNLESS OTHERWISE NOTED.

LEGEND:

- c--- CUT
- f--- FILL
- s--- SAWCUT
- STATE ROW
- REMOVE BASE AND SURFACING

ABBREVIATIONS:

- SW = SIDEWALK
- CR = CONTROL POINT



CURVE-DATA				
NO.	R	Δ	T	L
C1	440.00'	33° 43' 06"	133.34'	258.94'
C2	470.00'	44° 52' 45"	194.10'	368.15'
C8	900.00'	9° 59' 11"	78.63'	156.87'
C9	50.00'	89° 29' 31"	49.56'	78.10'

SURVEY CONTROL - ALL SURVEY CONTROL ARE MONUMENTS SET PER 15 ROS 183 **PROTECT IN PLACE**

No.	NORTHING	EASTING	ELEV	LINE	STATION	OFFSET	COMMENTS
1	2142749.1620	6818919.9510	1421.065	"C"	1+36.68	47.00' Rt	SET IN CONCRETE N.E. COR OF BRIDGE
2	2142763.1840	6819191.6660	1420.945	"C"	3+80.92	71.58' Rt	SET IN TOP OF CONCRETE HEADWALL
3	2142948.6950	6819553.8600	1422.655	"C"	8+01.57	63.87' Rt	SET IN TOP OF CONCRETE HEADWALL
4	2142959.4950	6819774.6530	1426.573	"C"	10+49.99	40.17' Rt	SET IN AC DRIVEWAY
5	2143009.5530	6820905.4490	1440.132	"C"	21+75.87	44.85' Lt	SET IN CONCRETE SIDEWALK
6	2142916.5530	6821338.4400	1442.390	"C"	26+30.82	32.01' Lt	SET IN CONCRETE SIDEWALK
7	2142948.6950	6819553.8600	1422.655	"C"	39+12.66	66.71' Lt	SET IN TOP OF CONCRETE HEADWALL

REVISIONS	
NO.	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
LAYOUT

DRAWING: N09-300ex001.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Oct 4, 2018

SCALE : 1" = 30'

100% SUBMITTAL

PG&E
APN 57-141-40

CURVE DATA				
NO.	R	Δ	T	L
C2	470.00'	44° 52' 45"	194.10'	368.15'
C3	1000.00'	28° 16' 38"	251.90'	493.53'

PG&E
APN 57-141-39

Beg FENCE (TYPE BW, 4-STRAND, WOOD POST)
52.71' Lt "C" 15+00.58

END FENCE (TYPE BW, 4-STRAND, WOOD POST)
52.92' Lt "C" 14+89.23

Beg REMOVE FENCE
Beg FENCE (TYPE BW, 4-STRAND, WOOD POST)
52.97' Lt "C" 14+84.61

48.42' Lt "C" 16+08.88 AP

57.42' Lt "C" 15+30.28 AP

56.64' Lt "C" 15+82.30 AP

33.41' Lt "C" 15+73.58

END SW
END CURB (TYPE A2-6)
CONFORM TO Exist
31.37' Rt "C" 10+32.37

DARWISH APN
57-141-32

SIEGLE
APN 57-141-34

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION

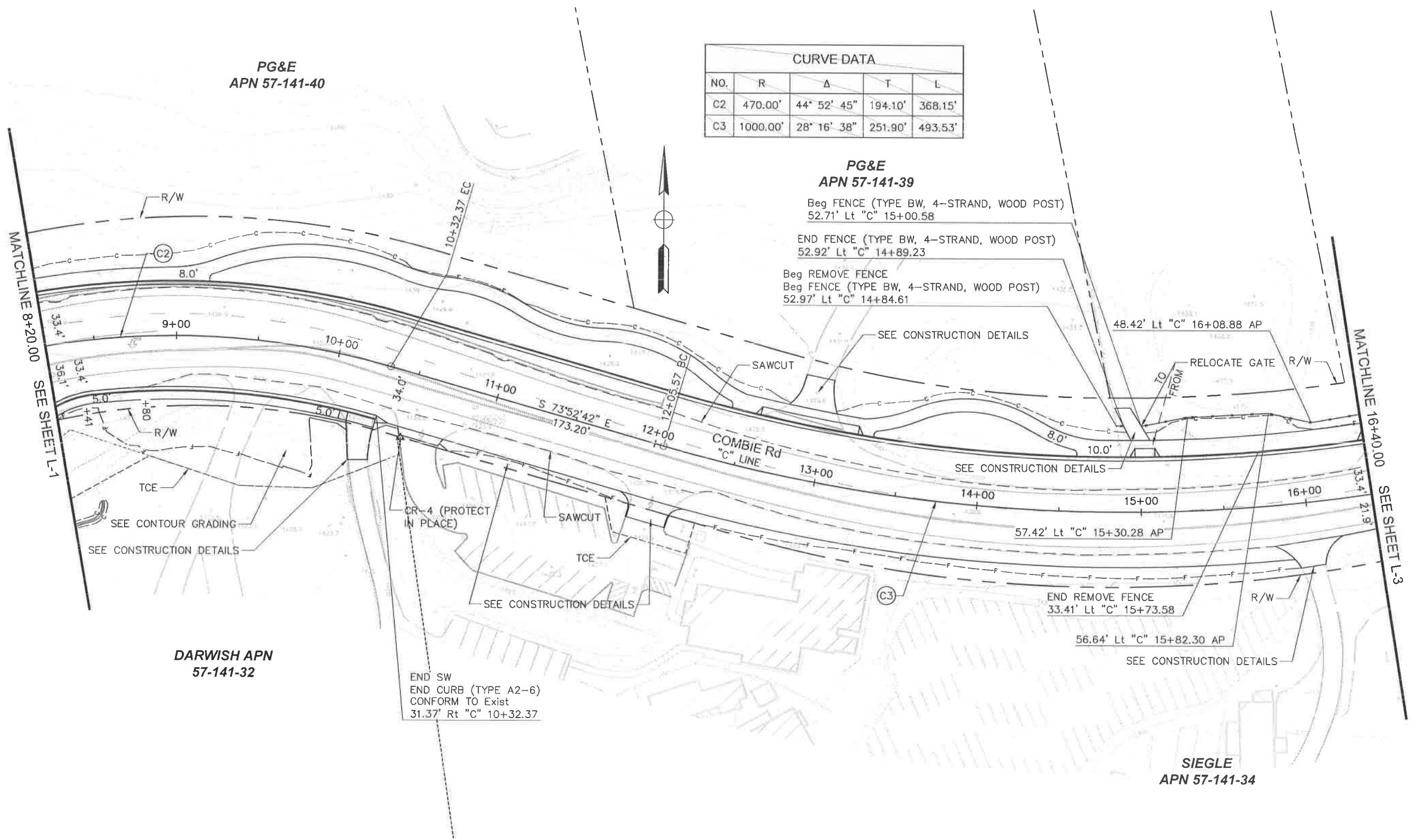


COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
LAYOUT

DRAWING: N09-300res002.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: J.P.J.
JOB NO: N09-300
DATE: Oct 4, 2018

SHEET
L-2
6 OF 106 SHEETS

SCALE : 1" = 30'



100% SUBMITTAL

REVISIONS			
NO.	DESCRIPTION	BY	DATE

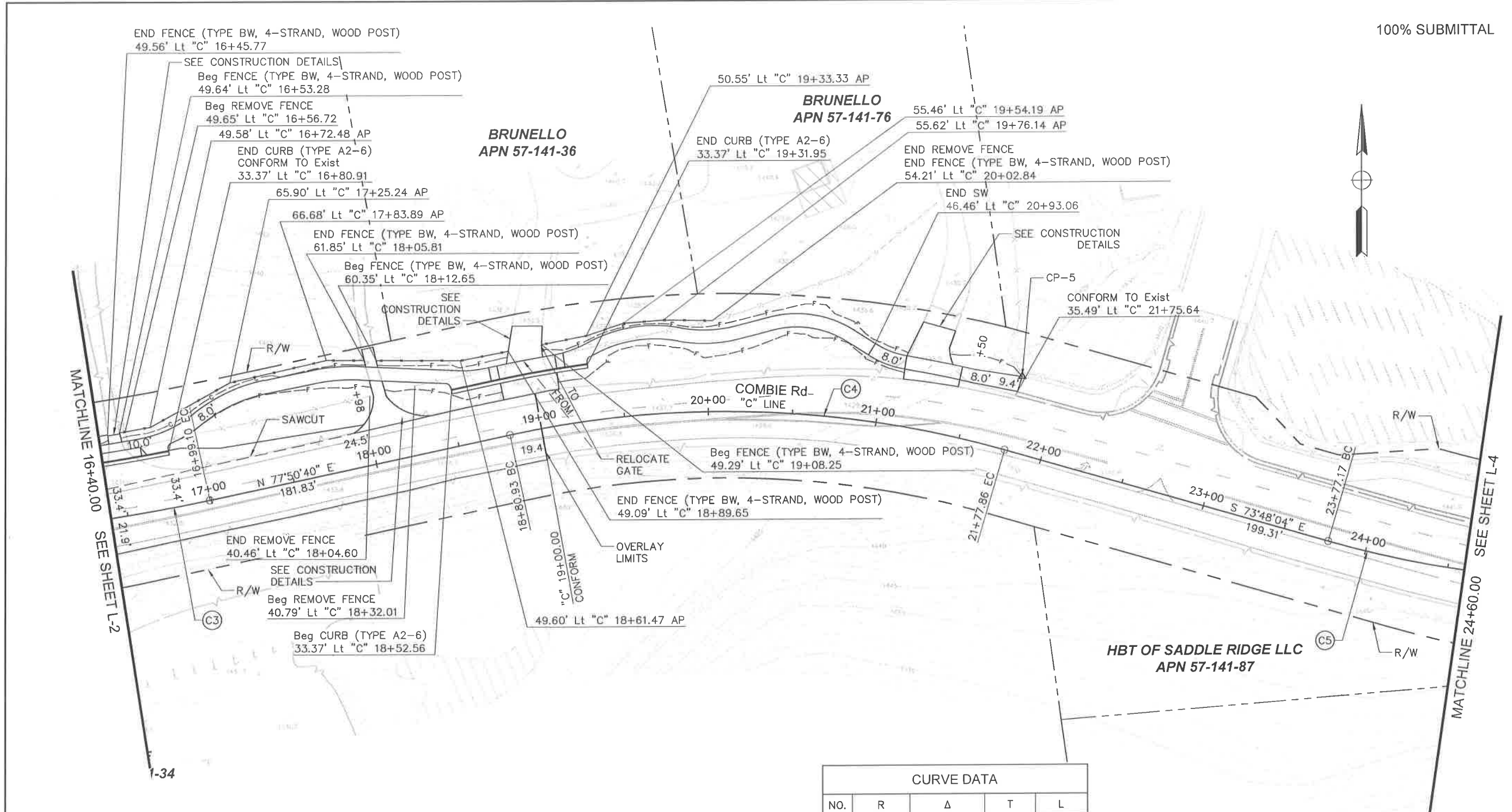


NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION

COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
LAYOUT

DRAWING: N09-300rev001.dwg
DESIGNED: MAS
DRAWN: BC
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018
SHEET

L-3
7 of 106 SHEETS

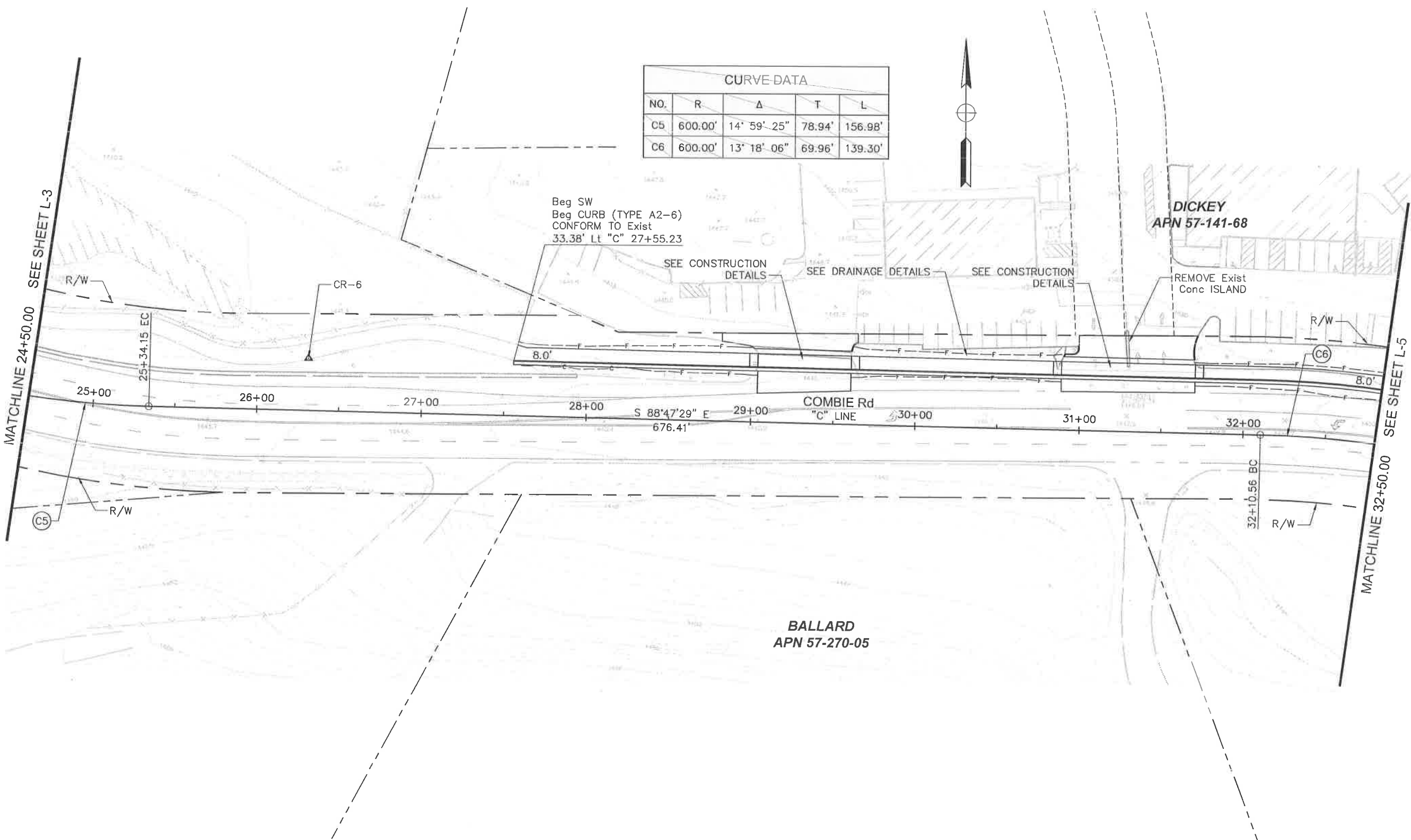


CURVE DATA				
NO.	R	Δ	T	L
C3	1000.00'	28° 16' 38"	251.90'	493.53'
C4	600.00'	28° 21' 16"	151.57'	296.93'
C5	600.00'	14° 59' 25"	78.94'	156.98'

SCALE : 1" = 30'

100% SUBMITTAL

CURVE DATA				
NO.	R	Δ	T	L
C5	600.00'	14° 59' 25"	78.94'	156.98'
C6	600.00'	13° 18' 06"	69.96'	139.30'



Beg SW
Beg CURB (TYPE A2-6)
CONFORM TO Exist
33.38' Lt "C" 27+55.23

DICKEY
APN 57-141-68

BALLARD
APN 57-270-05

MATCHLINE 24+50.00 SEE SHEET L-3

MATCHLINE 32+50.00 SEE SHEET L-5

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
LAYOUT

DRAWING: N09-300res004.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Oct 4, 2018

SCALE : 1" = 30'

SHEET
L-4
8 OF 106 SHEETS

100% SUBMITTAL

REVISIONS				
NO.	DESCRIPTION	BY	DATE	



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION

COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 LAYOUT

DRAWING: N09-300red005.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Apr 5, 2018

SHEET
L-5
 9 OF 106 SHEETS

CURVE DATA				
NO.	R	Δ	T	L
C6	600.00'	13' 18' 06"	69.96'	139.30'
C7	600.00'	64' 09' 57"	376.13'	671.94'

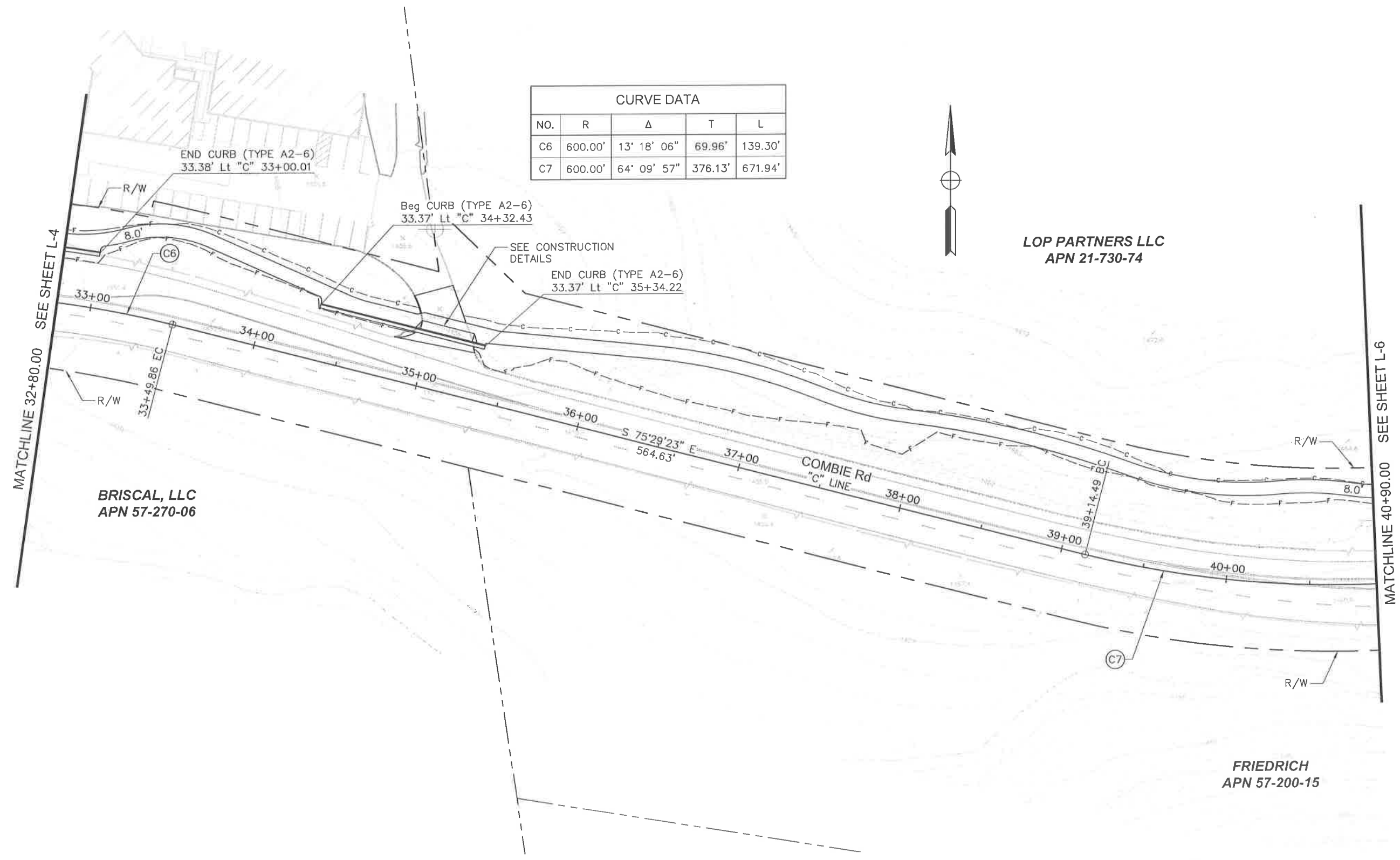


LOP PARTNERS LLC
 APN 21-730-74

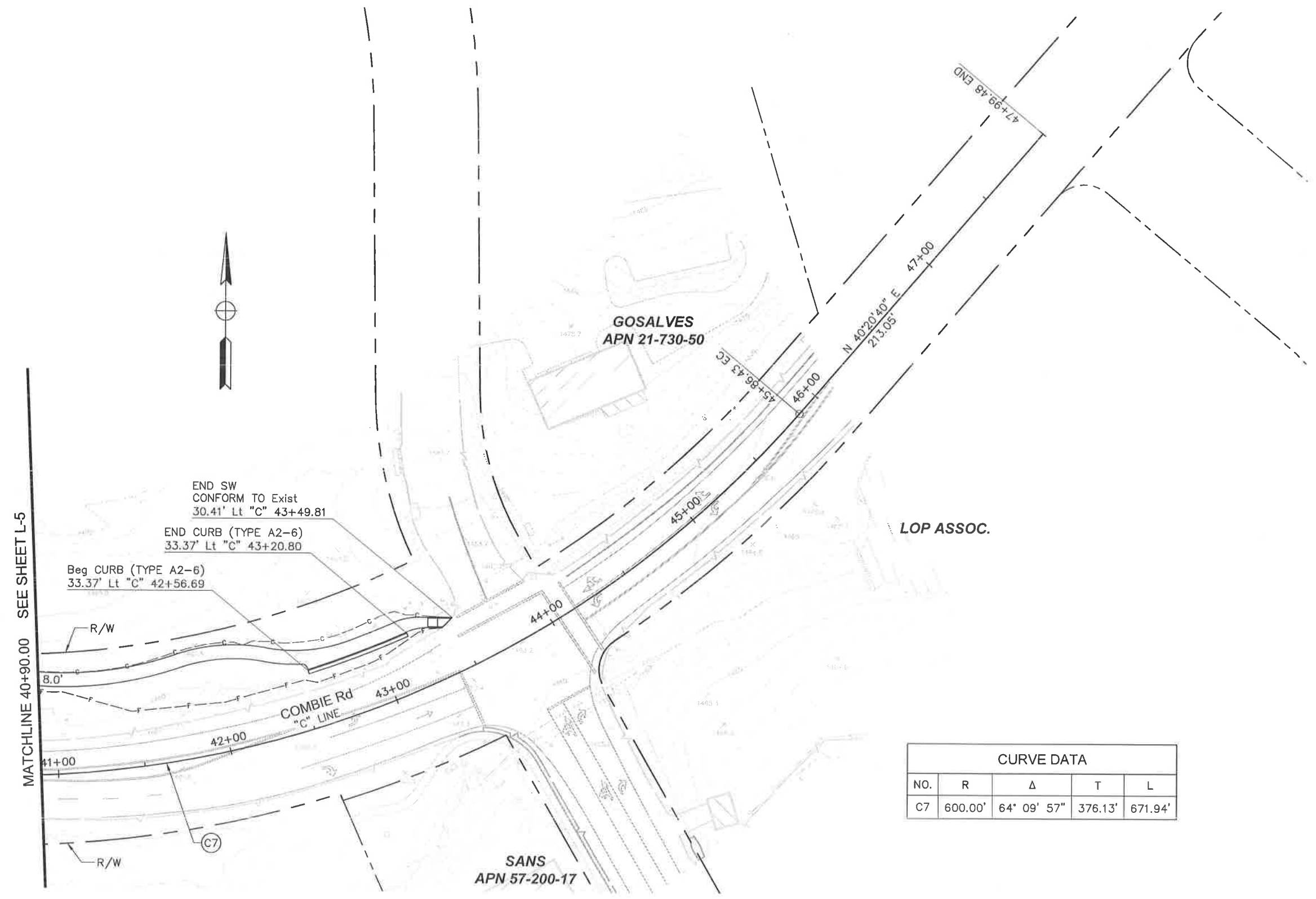
BRISCAL, LLC
 APN 57-270-06

FRIEDRICH
 APN 57-200-15

SCALE : 1" = 30'



100% SUBMITTAL



CURVE DATA				
NO.	R	Δ	T	L
C7	600.00'	64° 09' 57"	376.13'	671.94'

SCALE : 1" = 30'

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION

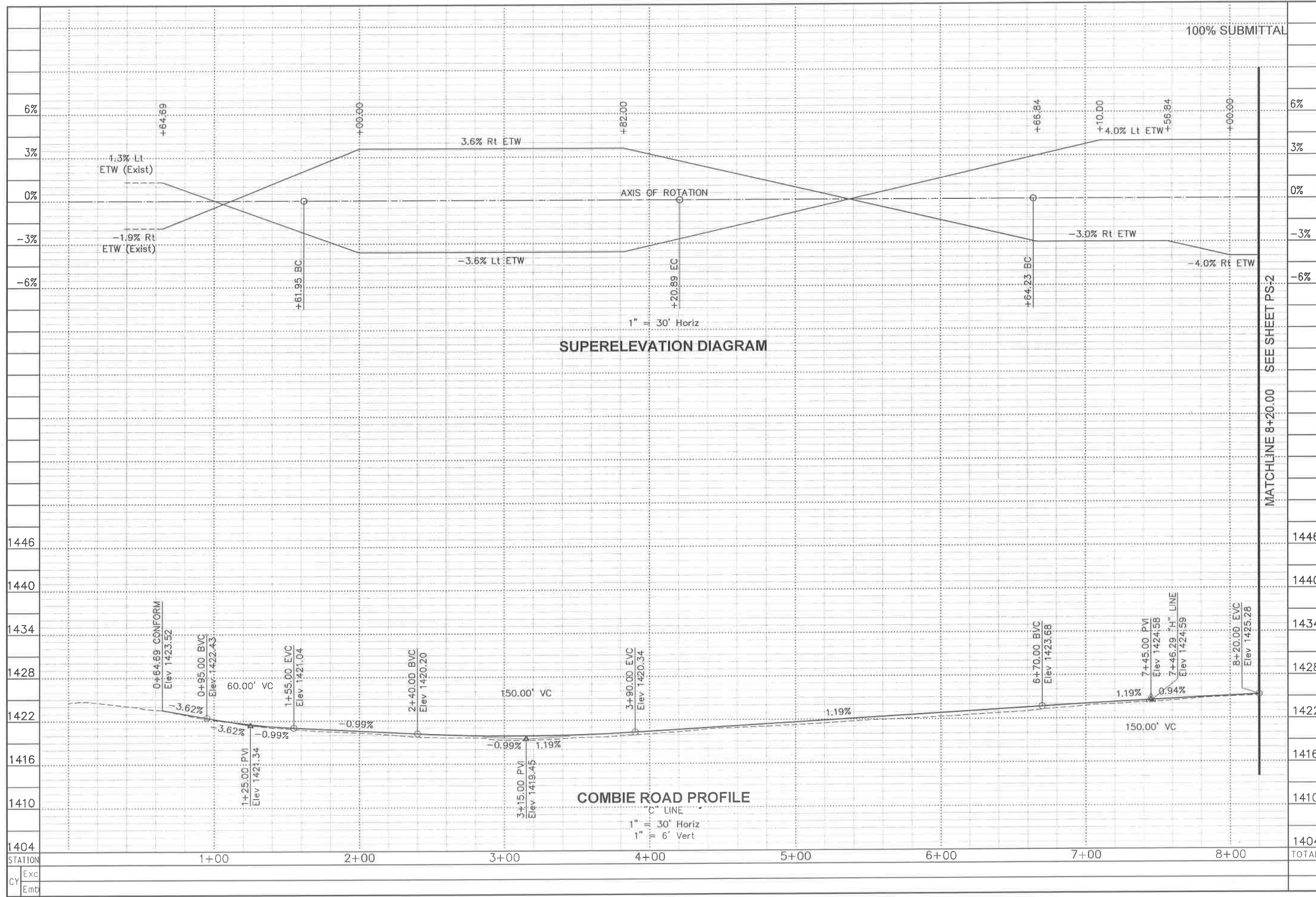


COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
LAYOUT

DRAWING: N09-300res006.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
L-6
10 of 106 SHEETS


MATCHLINE 40+90.00 SEE SHEET L-5



REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
PROFILE & SUPERELEVATION

DRAWING: N09-300r/b001.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION

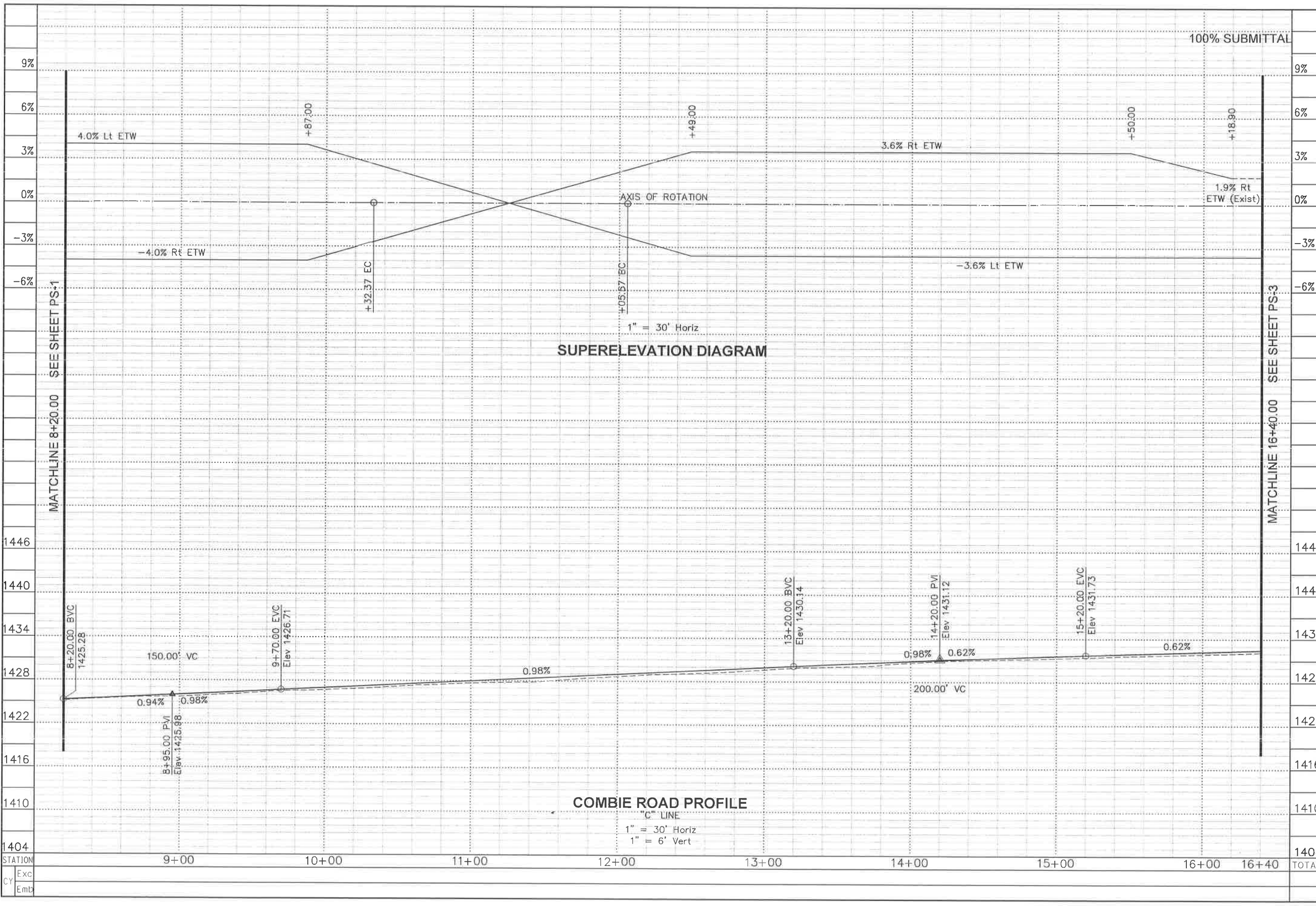


COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
PROFILE & SUPERELEVATION

DRAWING: N09-300-6002.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

1404 SHEET
TOTAL PS-2
12 OF 106 SHEETS

100% SUBMITTAL

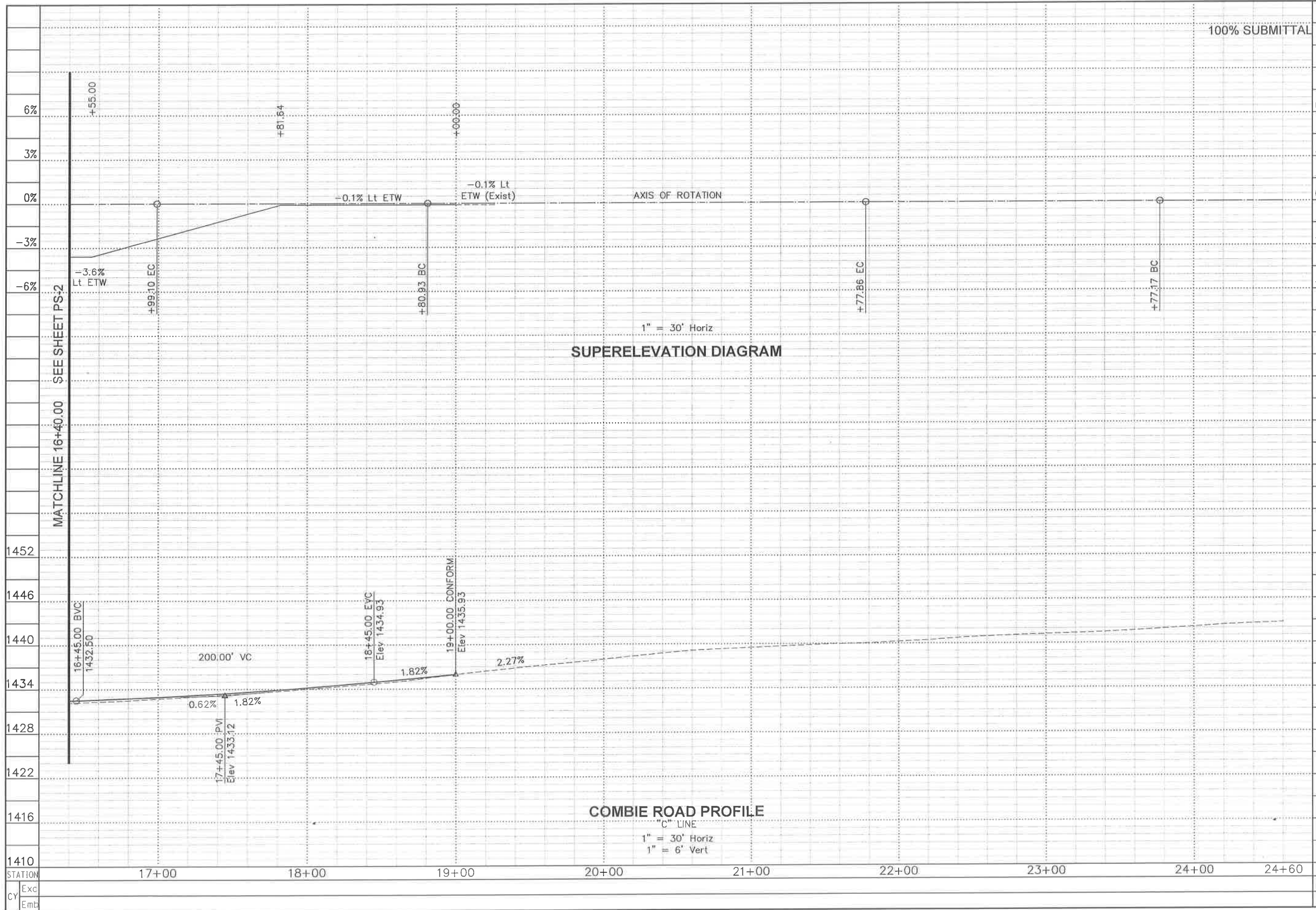


SUPERELEVATION DIAGRAM

COMBIE ROAD PROFILE

1" = 30' Horiz
1" = 6' Vert

STATION	Exc	Emb	TOTAL
9+00			
10+00			
11+00			
12+00			
13+00			
14+00			
15+00			
16+00			
16+40			



REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
PROFILE & SUPERELEVATION

DRAWING: N09-300rb003.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

PS-3
13 OF 106 SHEETS

100% SUBMITTAL

REVISIONS

NO.	DESCRIPTION	BY	DATE



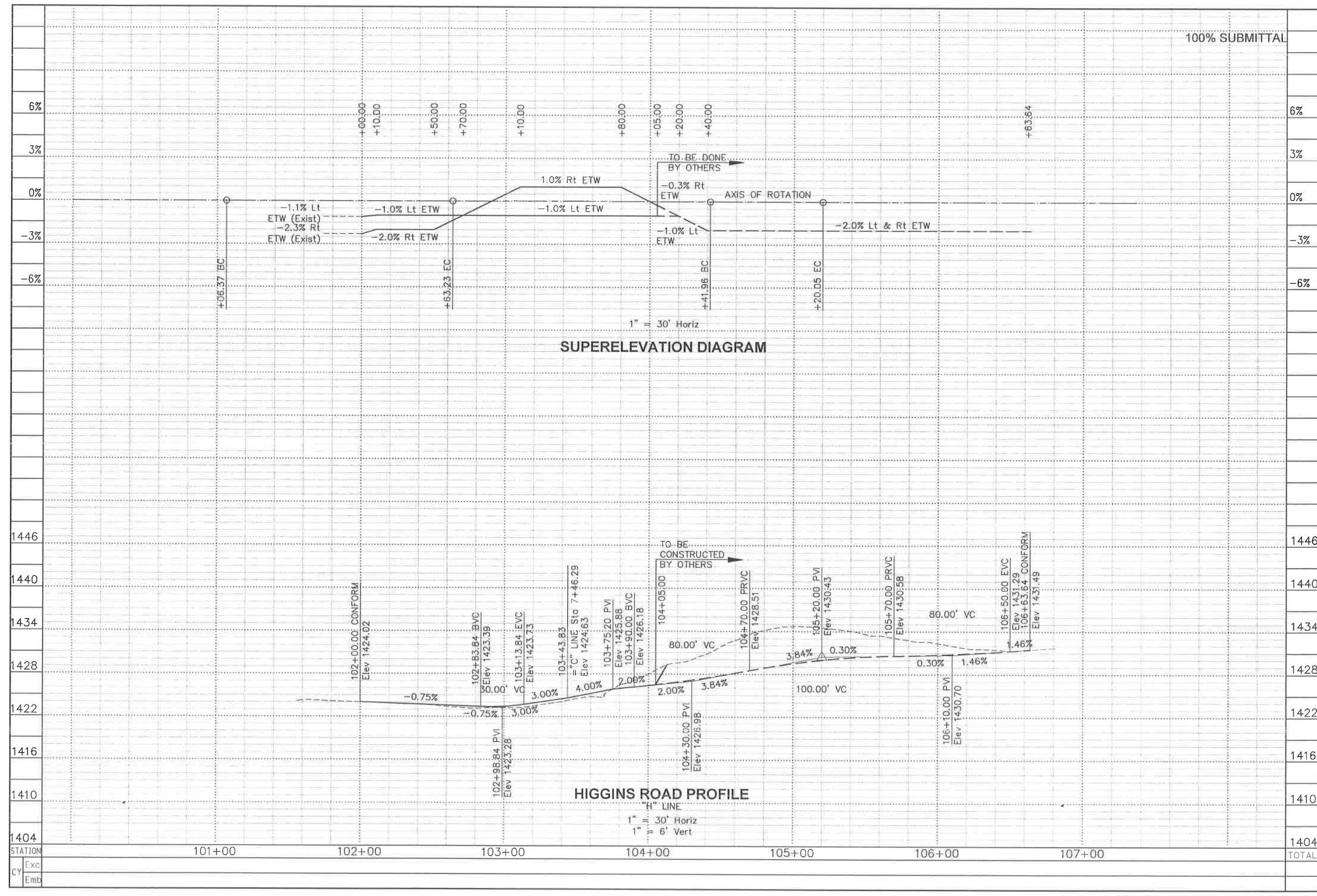
NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
PROFILE & SUPERELEVATION

DRAWING: N09-300r004.dwg
DESIGNED: MAS
DRAWN: BC
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
PS-4
14 OF 106 SHEETS



Exc	
Emb	






STATION

TOTAL

NOTES:

1. ELEVATIONS ARE GIVEN TO FLOWLINE, EDGE OF PAVEMENT, OR ALIGNMENT.

LEGEND:

-  PLACE HMA (MISCELLANEOUS AREA)
-  CLASS 2 AB
-  COLD PLANE AND CONFORM
-  COLD PLANE AC Pmnt (0.17')
-  COBBLESTONE PATTERN
- $\frac{1}{2} \times$ $\frac{1}{2}$ DELTA OF CURVE OR LINE
- $\frac{1}{3} \times$ $\frac{1}{3}$ DELTA OF CURVE OR LINE
- $\frac{1}{4} \times$ $\frac{1}{4}$ DELTA OF CURVE OR LINE

GRADING ELEVATIONS						
No.	X	LINE	STATION	OFFSET	Elev	Comments
1		"C"	2+50.00	33.00' Rt	1421.29	WITHIN CALTRANS ACCESS CONTROL
2		"C"	2+75.00	33.00' Rt	1421.12	
3		"C"	3+00.00	33.00' Rt	1421.05	
4		"C"	3+25.00	33.00' Rt	1421.07	
5		"C"	3+50.00	34.00' Rt	1421.21	WITHIN NEVADA COUNTY
6		"C"	3+75.00	34.00' Rt	1421.41	
7		"C"	4+00.00	34.00' Rt	1421.55	

100% SUBMITTAL

REVISIONS

NO.	DESCRIPTION	BY	DATE



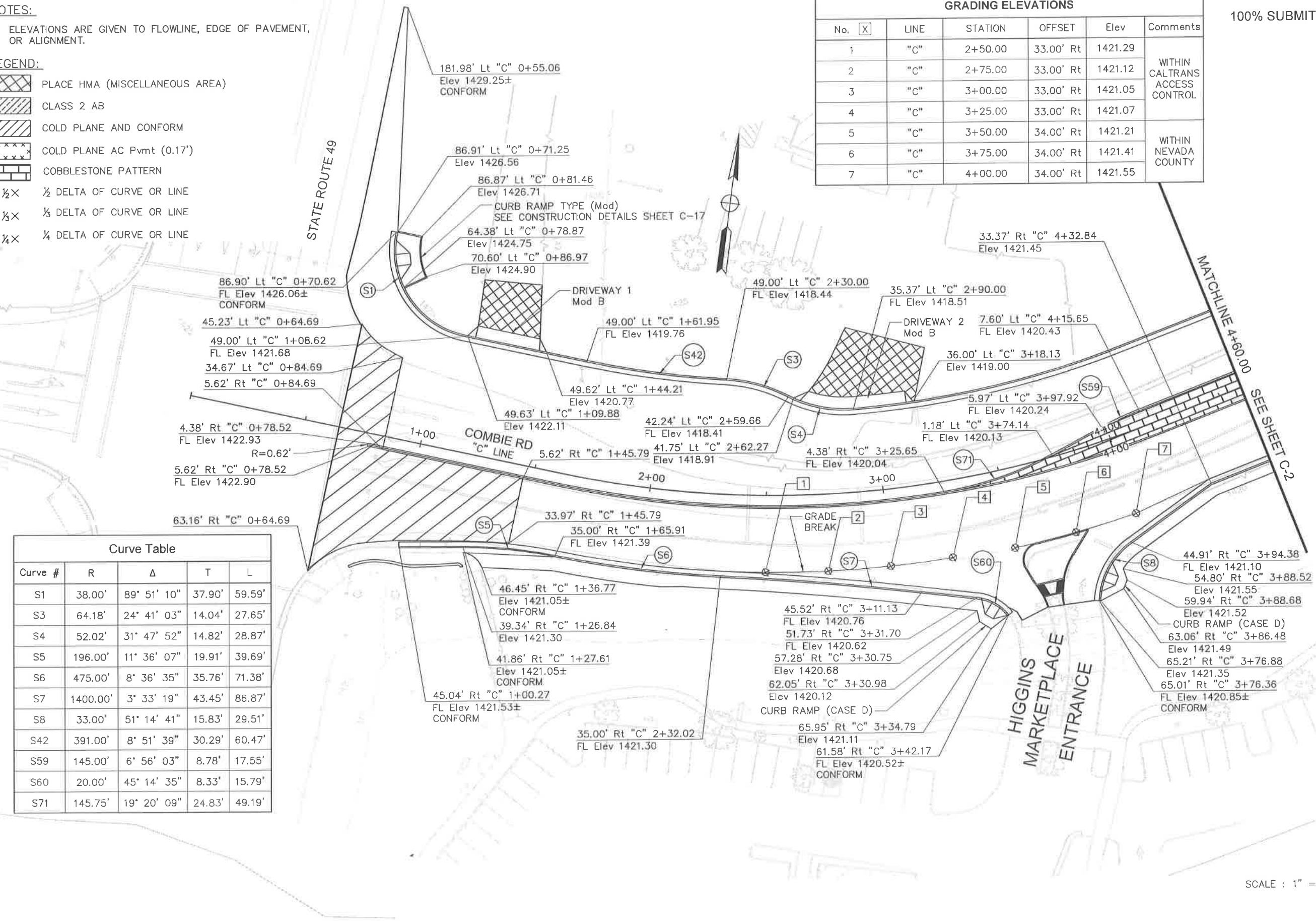
NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
CONSTRUCTION DETAILS

DRAWING: N09-300g001.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Sep 25, 2018

SHEET
C-1
15 OF 106 SHEETS



Curve Table				
Curve #	R	Δ	T	L
S1	38.00'	89° 51' 10"	37.90'	59.59'
S3	64.18'	24° 41' 03"	14.04'	27.65'
S4	52.02'	31° 47' 52"	14.82'	28.87'
S5	196.00'	11° 36' 07"	19.91'	39.69'
S6	475.00'	8° 36' 35"	35.76'	71.38'
S7	1400.00'	3° 33' 19"	43.45'	86.87'
S8	33.00'	51° 14' 41"	15.83'	29.51'
S42	391.00'	8° 51' 39"	30.29'	60.47'
S59	145.00'	6° 56' 03"	8.78'	17.55'
S60	20.00'	45° 14' 35"	8.33'	15.79'
S71	145.75'	19° 20' 09"	24.83'	49.19'

SCALE : 1" = 20'

REVISIONS

NO.	DESCRIPTION	BY	DATE



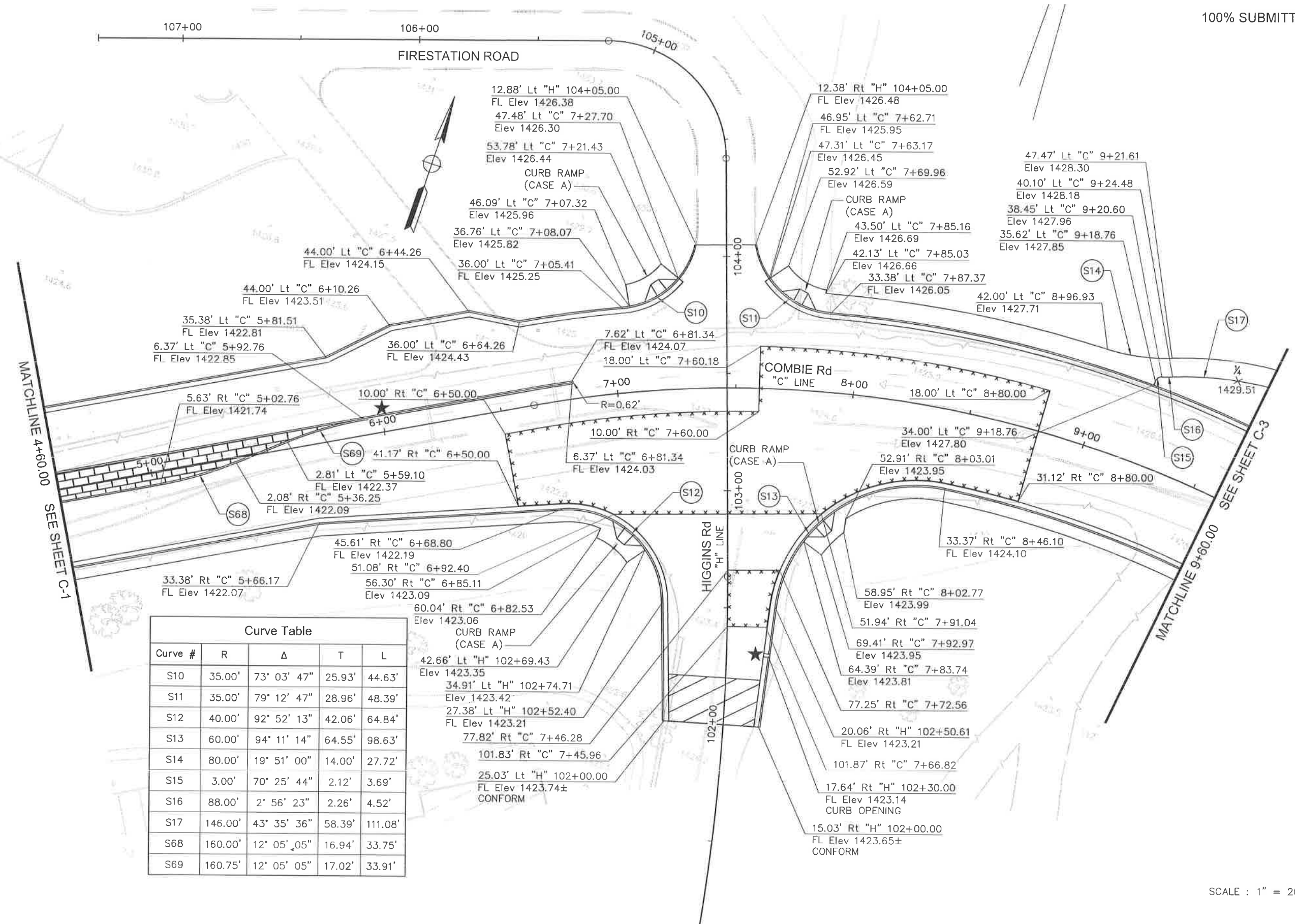
NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
CONSTRUCTION DETAILS

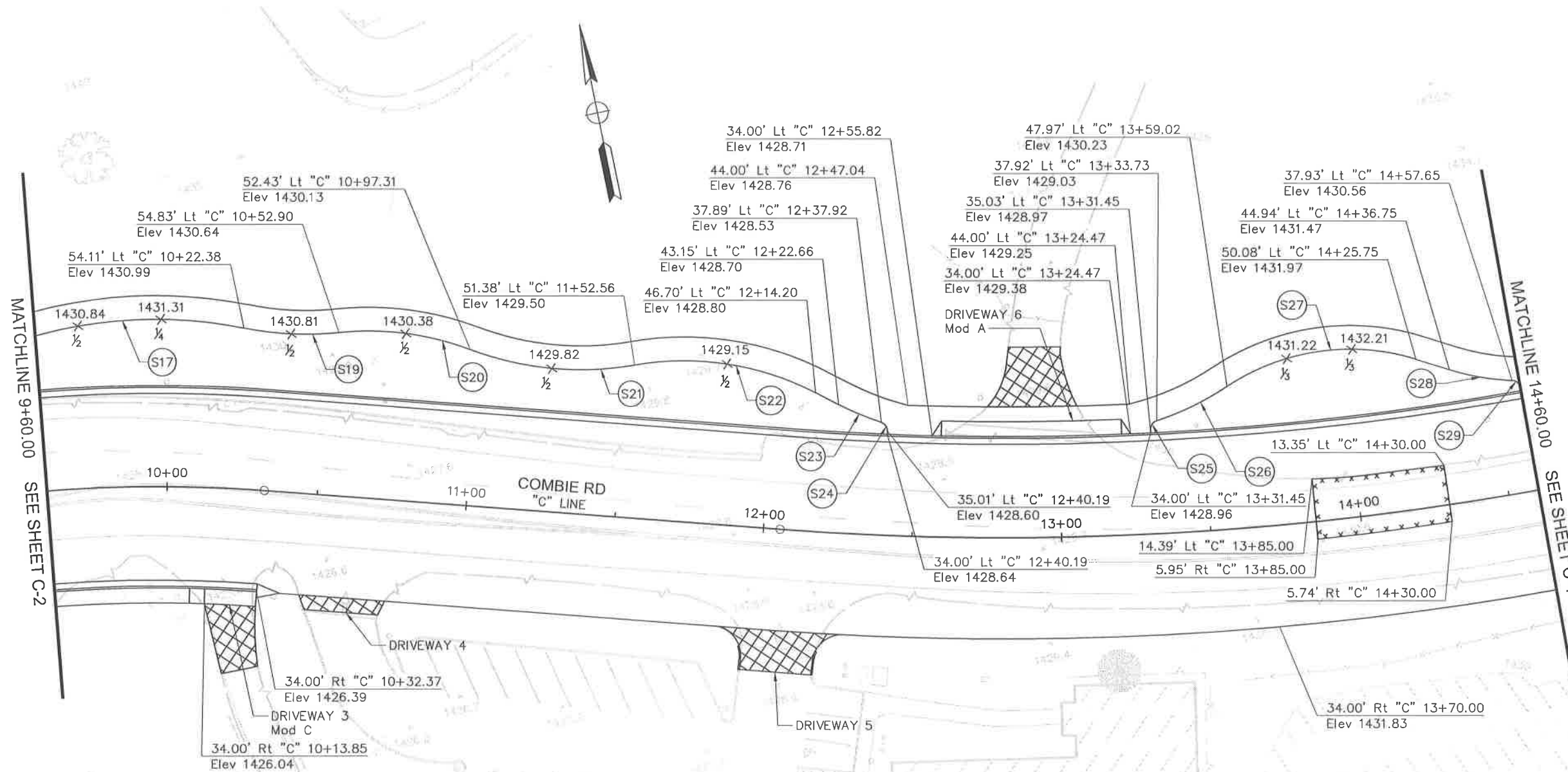
DRAWING: N09-300g002.dwg
DESIGNED: MAS
DRAWN: BC
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
C-2
16 OF 106 SHEETS



Curve #	R	Δ	T	L
S10	35.00'	73° 03' 47"	25.93'	44.63'
S11	35.00'	79° 12' 47"	28.96'	48.39'
S12	40.00'	92° 52' 13"	42.06'	64.84'
S13	60.00'	94° 11' 14"	64.55'	98.63'
S14	80.00'	19° 51' 00"	14.00'	27.72'
S15	3.00'	70° 25' 44"	2.12'	3.69'
S16	88.00'	2° 56' 23"	2.26'	4.52'
S17	146.00'	43° 35' 36"	58.39'	111.08'
S68	160.00'	12° 05' 05"	16.94'	33.75'
S69	160.75'	12° 05' 05"	17.02'	33.91'

SCALE : 1" = 20'



Curve Table				
Curve #	R	Δ	T	L
S17	146.00'	43° 35' 36"	58.39'	111.08'
S19	104.00'	17° 31' 14"	16.03'	31.80'
S20	96.00'	26° 47' 01"	22.86'	44.88'
S21	104.00'	30° 48' 59"	28.66'	55.94'
S22	96.00'	37° 18' 34"	32.41'	62.51'
S23	96.00'	9° 17' 38"	7.80'	15.57'

Curve Table				
Curve #	R	Δ	T	L
S24	3.00'	74° 19' 20"	2.27'	3.89'
S25	3.00'	74° 21' 58"	2.28'	3.89'
S26	97.00'	15° 31' 54"	13.23'	26.29'
S27	73.00'	51° 32' 28"	35.24'	65.67'
S28	79.00'	15° 26' 07"	10.71'	21.28'
S29	3.00'	77° 41' 17"	2.42'	4.07'

SCALE : 1" = 20'

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
CONSTRUCTION DETAILS

DRAWING: N09-300rpt003.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
C-3
17 of 106 SHEETS

Curve Table				
Curve #	R	Δ	T	L
S30	3.00'	77° 21' 08"	2.40'	4.05'
S31	78.00'	15° 38' 42"	10.72'	21.30'
S32	88.00'	27° 52' 55"	21.84'	42.82'
S33	106.00'	14° 06' 37"	13.12'	26.10'
S34	3.00'	75° 15' 32"	2.31'	3.94'
S35	3.00'	70° 37' 45"	2.13'	3.70'
S36	76.00'	39° 13' 46"	27.08'	52.04'
S37	74.00'	1° 57' 11"	1.26'	2.52'

REVISIONS

NO.	DESCRIPTION	BY	DATE



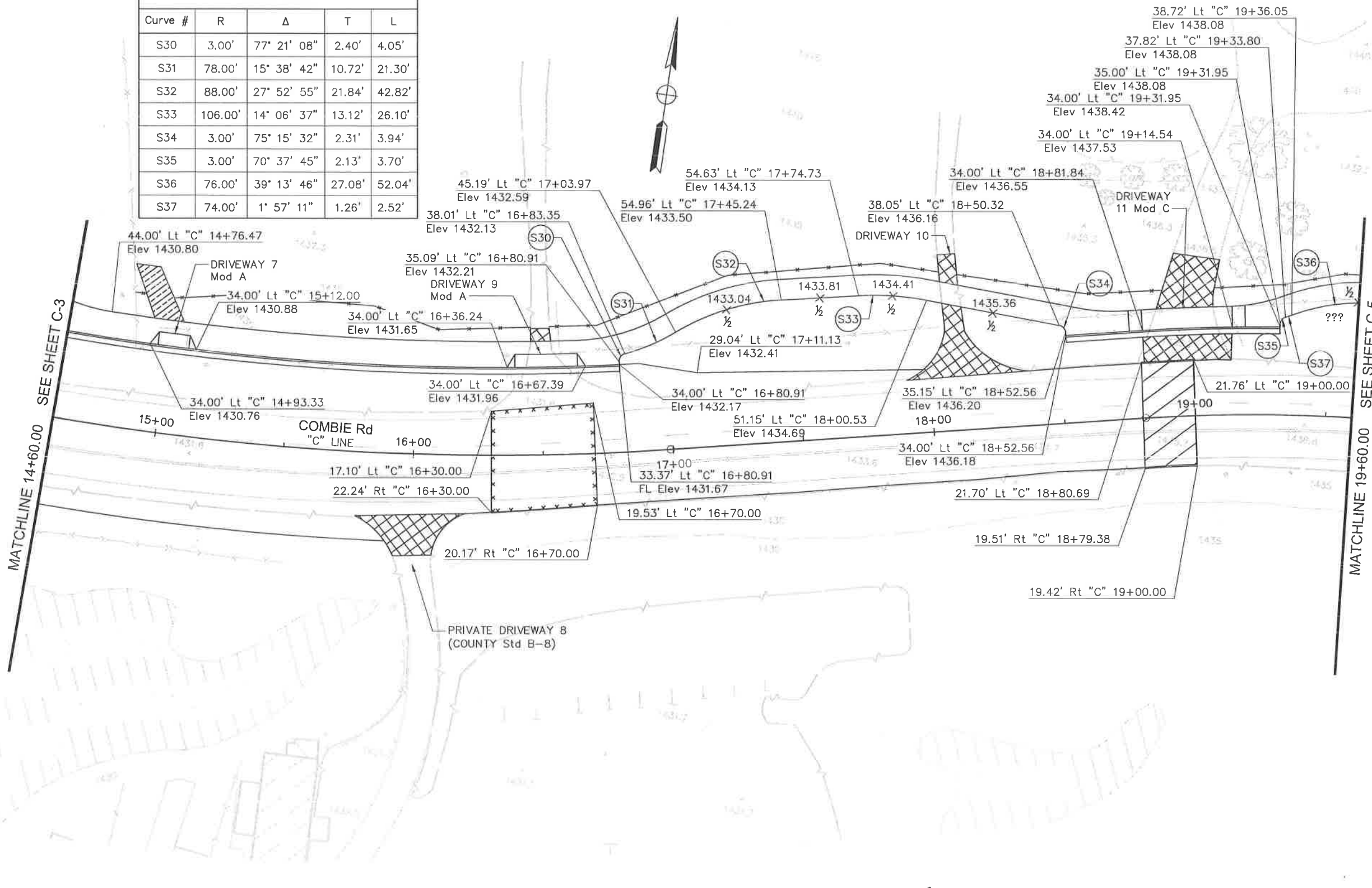
NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
CONSTRUCTION DETAILS

DRAWING: N09-300rg004.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
C-4
18 of 06 SHEETS



SCALE : 1" = 20'



Curve Table				
Curve #	R	Δ	T	L
S36	76.00'	39° 13' 46"	27.08'	52.04'
S38	84.00'	24° 54' 25"	18.55'	36.52'
S39	56.00'	47° 04' 07"	24.39'	46.00'
S40	56.00'	22° 56' 50"	11.37'	22.43'

SCALE : 1" = 20'

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION

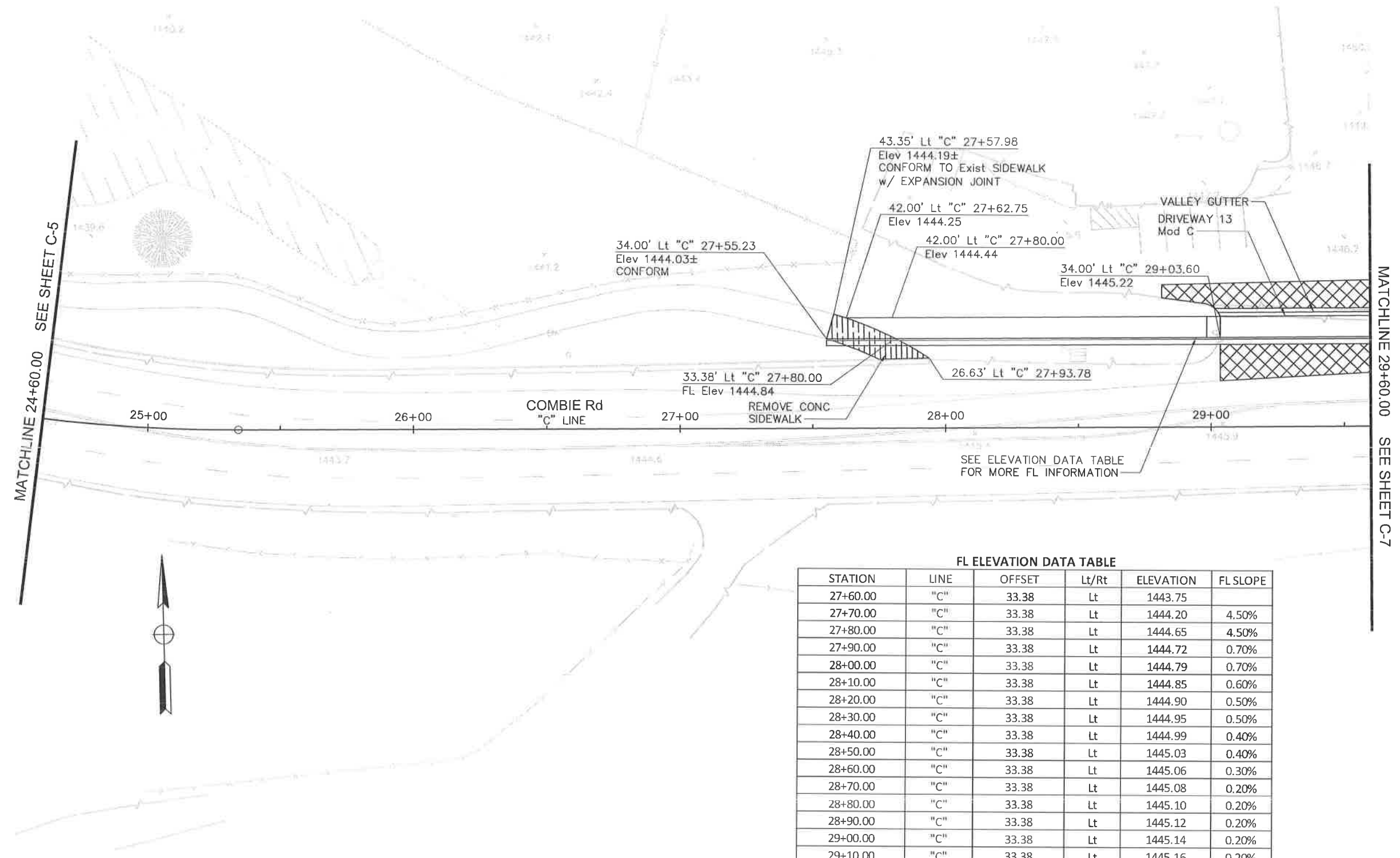


COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
CONSTRUCTION DETAILS

DRAWING: N09-300r005.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
C-5
19 of 106 SHEETS

100% SUBMITTAL



FL ELEVATION DATA TABLE

STATION	LINE	OFFSET	Lt/Rt	ELEVATION	FL SLOPE
27+60.00	"C"	33.38	Lt	1443.75	
27+70.00	"C"	33.38	Lt	1444.20	4.50%
27+80.00	"C"	33.38	Lt	1444.65	4.50%
27+90.00	"C"	33.38	Lt	1444.72	0.70%
28+00.00	"C"	33.38	Lt	1444.79	0.70%
28+10.00	"C"	33.38	Lt	1444.85	0.60%
28+20.00	"C"	33.38	Lt	1444.90	0.50%
28+30.00	"C"	33.38	Lt	1444.95	0.50%
28+40.00	"C"	33.38	Lt	1444.99	0.40%
28+50.00	"C"	33.38	Lt	1445.03	0.40%
28+60.00	"C"	33.38	Lt	1445.06	0.30%
28+70.00	"C"	33.38	Lt	1445.08	0.20%
28+80.00	"C"	33.38	Lt	1445.10	0.20%
28+90.00	"C"	33.38	Lt	1445.12	0.20%
29+00.00	"C"	33.38	Lt	1445.14	0.20%
29+10.00	"C"	33.38	Lt	1445.16	0.20%
29+20.00	"C"	33.38	Lt	1445.18	0.20%
29+30.00	"C"	33.38	Lt	1445.21	0.30%
29+40.00	"C"	33.38	Lt	1445.25	0.40%
29+50.00	"C"	33.38	Lt	1445.29	0.40%
29+60.00	"C"	33.38	Lt	1445.34	0.50%

SCALE : 1" = 20'

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION

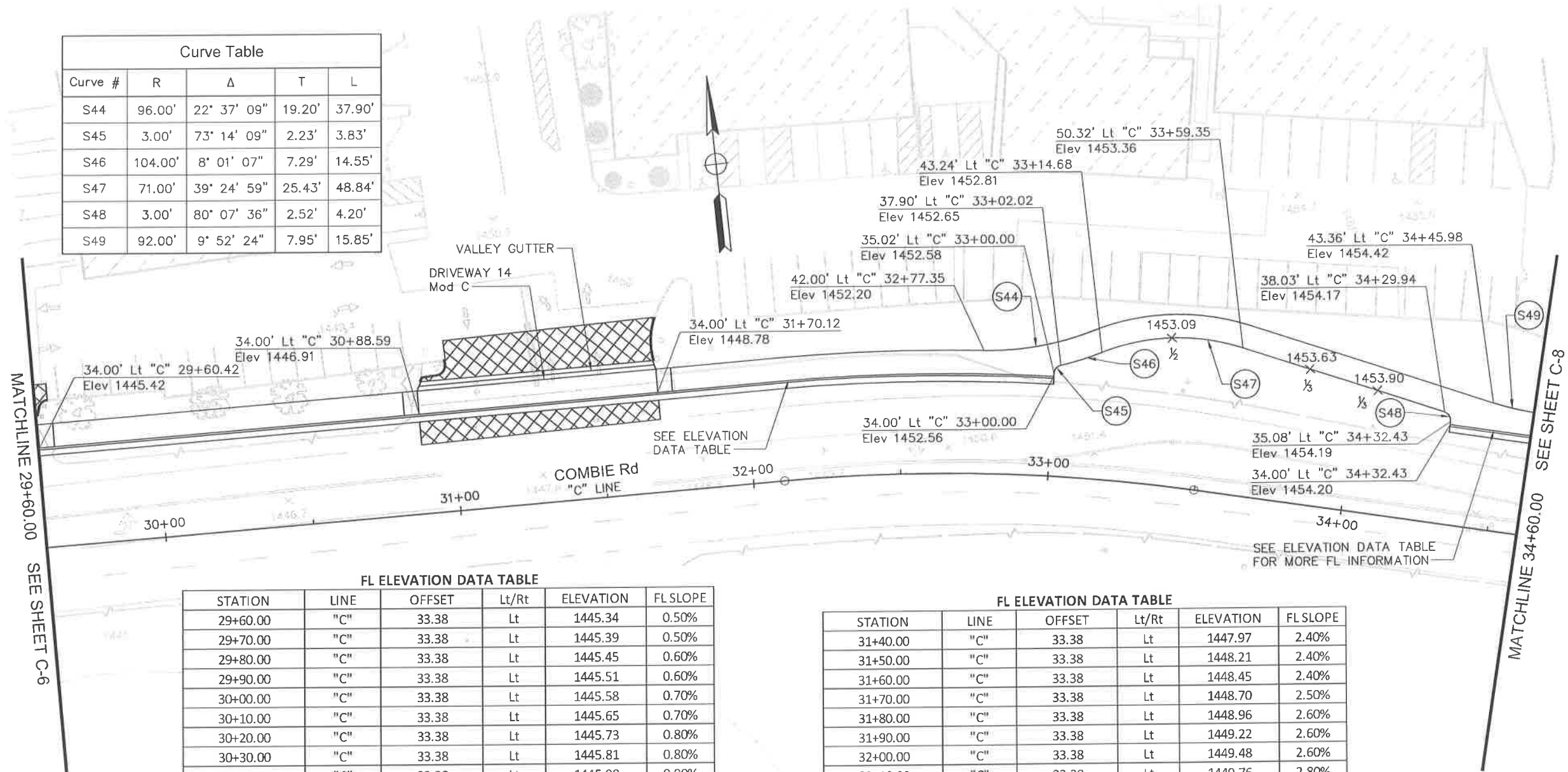


COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
CONSTRUCTION DETAILS

DRAWING: N09-300.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
C-6
20 OF 106 SHEETS

Curve Table				
Curve #	R	Δ	T	L
S44	96.00'	22° 37' 09"	19.20'	37.90'
S45	3.00'	73° 14' 09"	2.23'	3.83'
S46	104.00'	8° 01' 07"	7.29'	14.55'
S47	71.00'	39° 24' 59"	25.43'	48.84'
S48	3.00'	80° 07' 36"	2.52'	4.20'
S49	92.00'	9° 52' 24"	7.95'	15.85'



FL ELEVATION DATA TABLE

STATION	LINE	OFFSET	Lt/Rt	ELEVATION	FL SLOPE
29+60.00	"C"	33.38	Lt	1445.34	0.50%
29+70.00	"C"	33.38	Lt	1445.39	0.50%
29+80.00	"C"	33.38	Lt	1445.45	0.60%
29+90.00	"C"	33.38	Lt	1445.51	0.60%
30+00.00	"C"	33.38	Lt	1445.58	0.70%
30+10.00	"C"	33.38	Lt	1445.65	0.70%
30+20.00	"C"	33.38	Lt	1445.73	0.80%
30+30.00	"C"	33.38	Lt	1445.81	0.80%
30+40.00	"C"	33.38	Lt	1445.90	0.90%
30+50.00	"C"	33.38	Lt	1446.08	1.80%
30+60.00	"C"	33.38	Lt	1446.27	1.90%
30+70.00	"C"	33.38	Lt	1446.46	1.90%
30+80.00	"C"	33.38	Lt	1446.66	2.00%
30+90.00	"C"	33.38	Lt	1446.86	2.00%
31+00.00	"C"	33.38	Lt	1447.07	2.10%
31+10.00	"C"	33.38	Lt	1447.28	2.10%
31+20.00	"C"	33.38	Lt	1447.51	2.30%
31+30.00	"C"	33.38	Lt	1447.73	2.20%

FL ELEVATION DATA TABLE

STATION	LINE	OFFSET	Lt/Rt	ELEVATION	FL SLOPE
31+40.00	"C"	33.38	Lt	1447.97	2.40%
31+50.00	"C"	33.38	Lt	1448.21	2.40%
31+60.00	"C"	33.38	Lt	1448.45	2.40%
31+70.00	"C"	33.38	Lt	1448.70	2.50%
31+80.00	"C"	33.38	Lt	1448.96	2.60%
31+90.00	"C"	33.38	Lt	1449.22	2.60%
32+00.00	"C"	33.38	Lt	1449.48	2.60%
32+10.00	"C"	33.38	Lt	1449.76	2.80%
32+20.00	"C"	33.38	Lt	1450.04	2.80%
32+30.00	"C"	33.38	Lt	1450.32	2.80%
32+40.00	"C"	33.38	Lt	1450.61	2.90%
32+50.00	"C"	33.38	Lt	1450.91	3.00%
32+60.00	"C"	33.38	Lt	1451.21	3.00%
32+70.00	"C"	33.38	Lt	1451.42	2.10%
32+80.00	"C"	33.38	Lt	1451.64	2.20%
32+90.00	"C"	33.38	Lt	1451.84	2.00%
33+00.00	"C"	33.38	Lt	1452.06	2.20%

FL ELEVATION DATA TABLE

STATION	LINE	OFFSET	Lt/Rt	ELEVATION	FL SLOPE
34+40.00	"C"	33.38	Lt	1453.72	
34+50.00	"C"	33.38	Lt	1453.81	0.90%
34+60.00	"C"	33.38	Lt	1453.89	0.80%

SCALE : 1" = 20'

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
CONSTRUCTION DETAILS

DRAWING: N09-300rpd007.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
C-7
21 of 106 SHEETS

REVISIONS

NO.	DESCRIPTION	BY	DATE



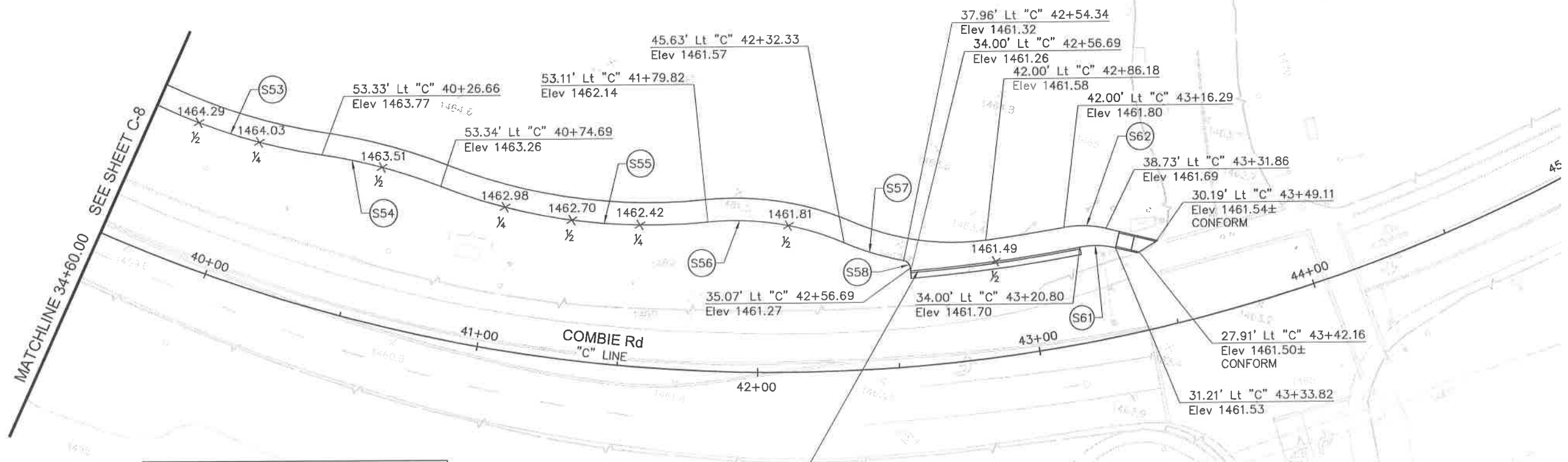
NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
CONSTRUCTION DETAILS

DRAWING: N09-300.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
C-9
23 OF 106 SHEETS



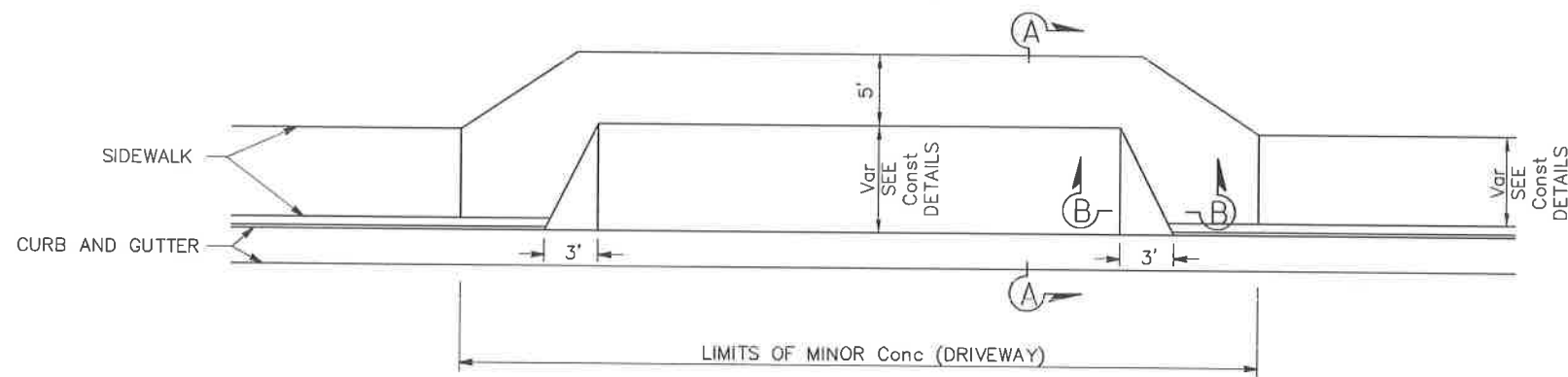
SEE ELEVATION DATA TABLE FOR MORE FL INFORMATION

Curve #	R	Δ	T	L
S53	204.00'	25° 19' 57"	45.85'	90.20'
S54	196.00'	12° 49' 03"	22.02'	43.85'
S55	204.00'	27° 07' 30"	49.21'	96.58'
S56	96.00'	29° 25' 05"	25.20'	49.29'
S57	96.00'	13° 04' 37"	11.00'	21.91'
S58	3.00'	74° 43' 11"	2.29'	3.91'
S61	30.00'	24° 17' 24"	6.46'	12.72'
S62	36.00'	23° 51' 32"	7.61'	14.99'

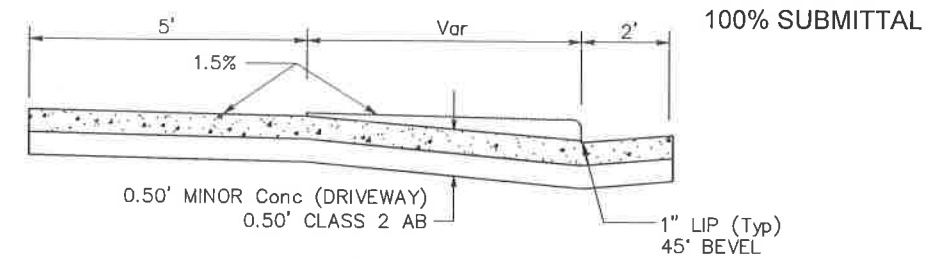
STATION	LINE	OFFSET	Lt/Rt	ELEVATION	FL SLOPE
42+56.69	"C"	33.38	Lt	1460.77	
42+70.00	"C"	33.38	Lt	1460.82	0.38%
42+80.00	"C"	33.38	Lt	1460.91	0.90%
42+90.00	"C"	33.38	Lt	1461.00	0.90%
43+00.00	"C"	33.38	Lt	1461.08	0.80%
43+10.00	"C"	33.38	Lt	1461.13	0.50%
43+20.00	"C"	33.38	Lt	1461.09	-0.40%



SCALE : 1" = 20'

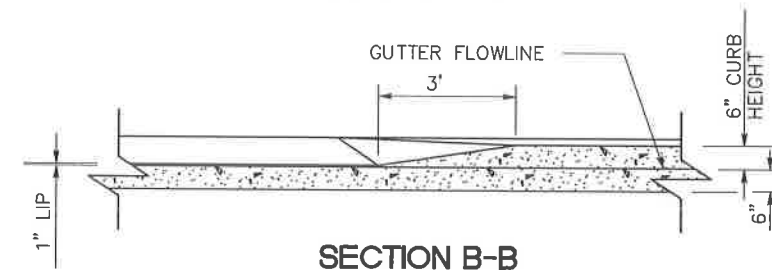


**DRIVEWAY Mod A
PLAN**

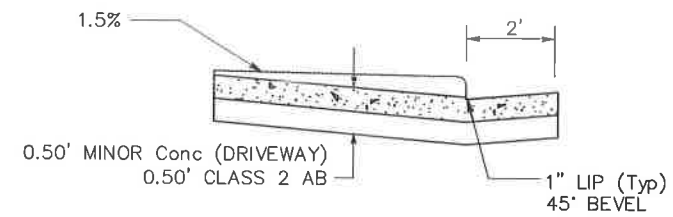


SECTION A-A

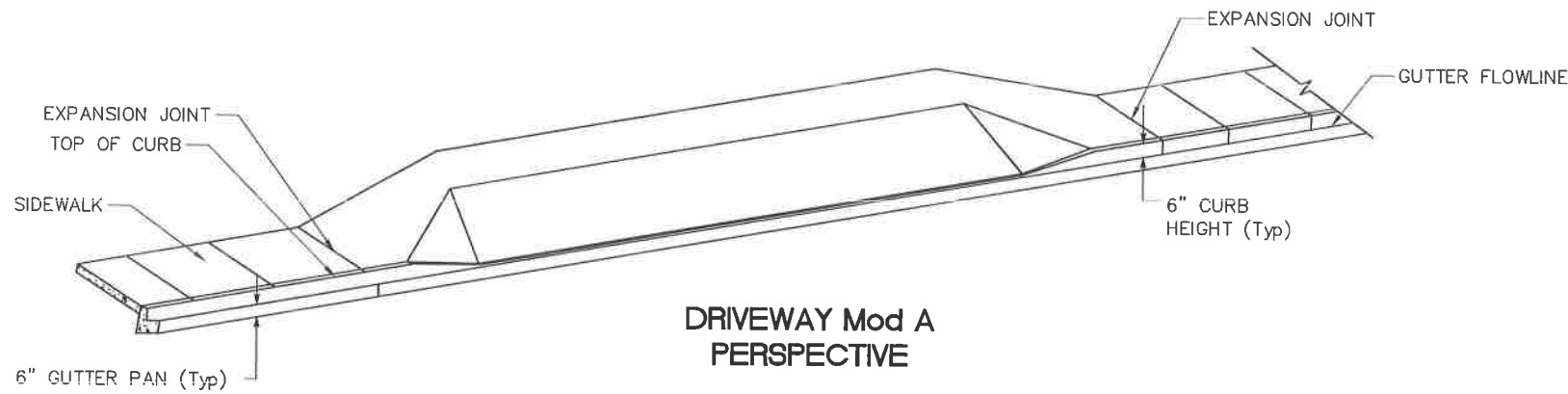
100% SUBMITTAL



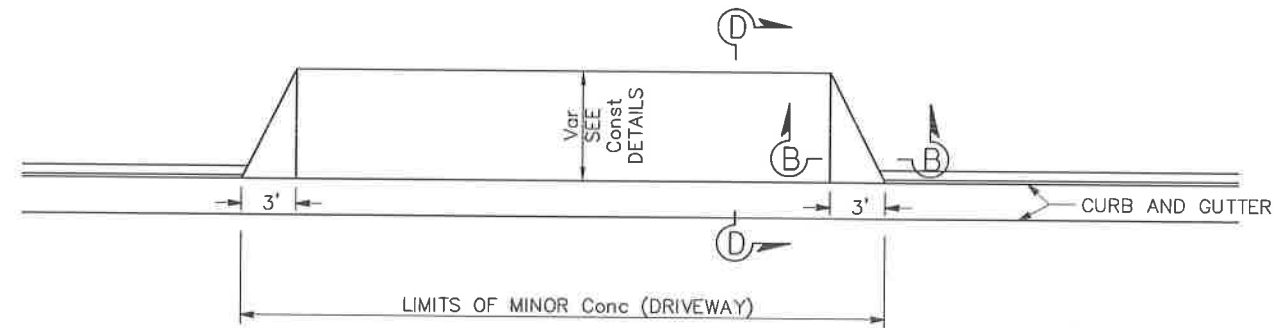
SECTION B-B



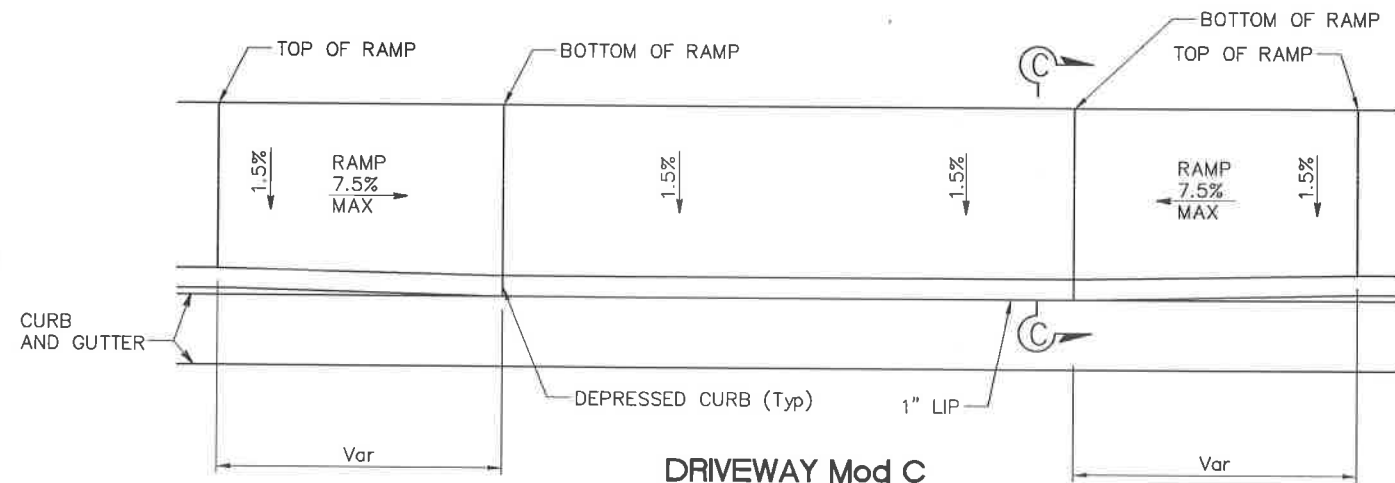
SECTION D-D



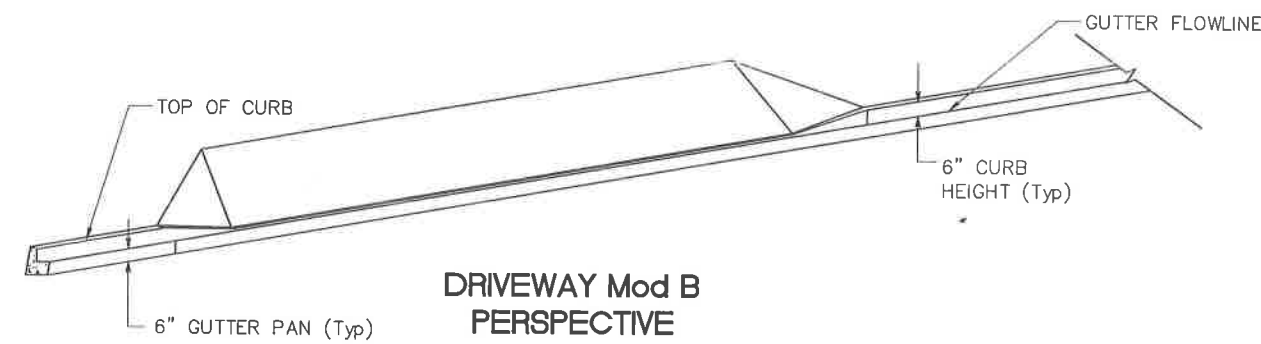
**DRIVEWAY Mod A
PERSPECTIVE**



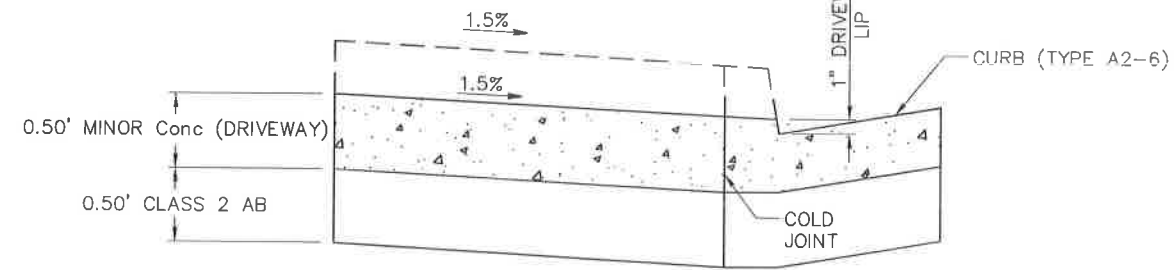
**DRIVEWAY Mod B
PLAN**



**DRIVEWAY Mod C
PLAN**



**DRIVEWAY Mod B
PERSPECTIVE**



SECTION C-C

NO SCALE

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
CONSTRUCTION DETAILS


DRAWING: N09-300gall02.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

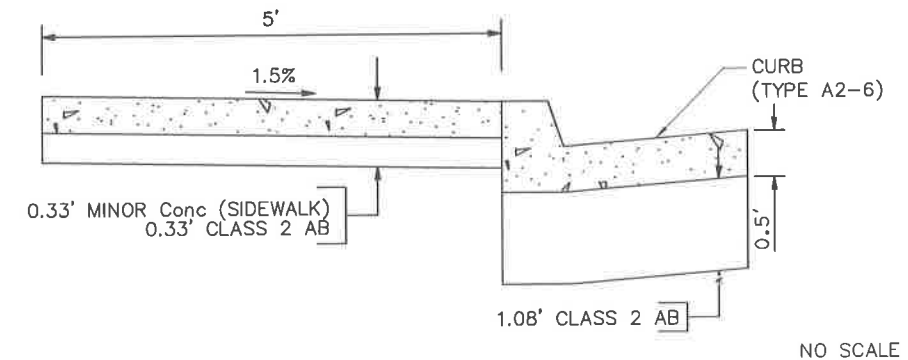
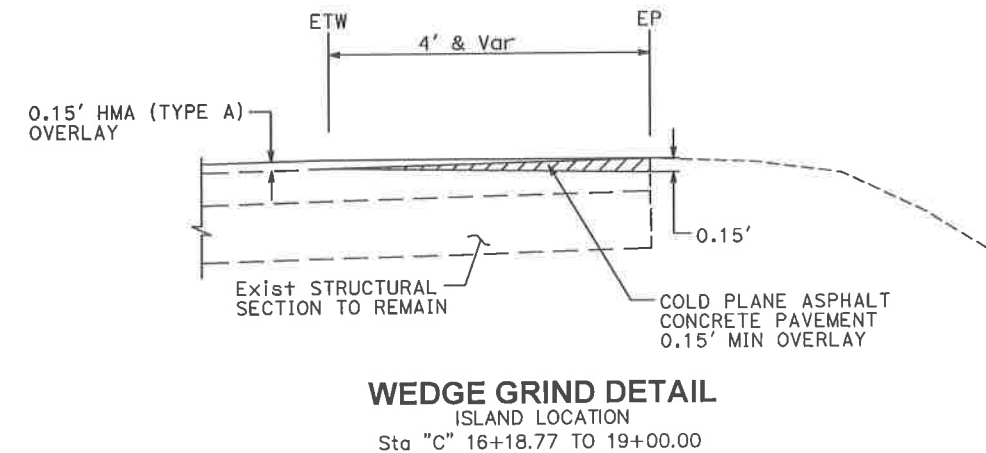
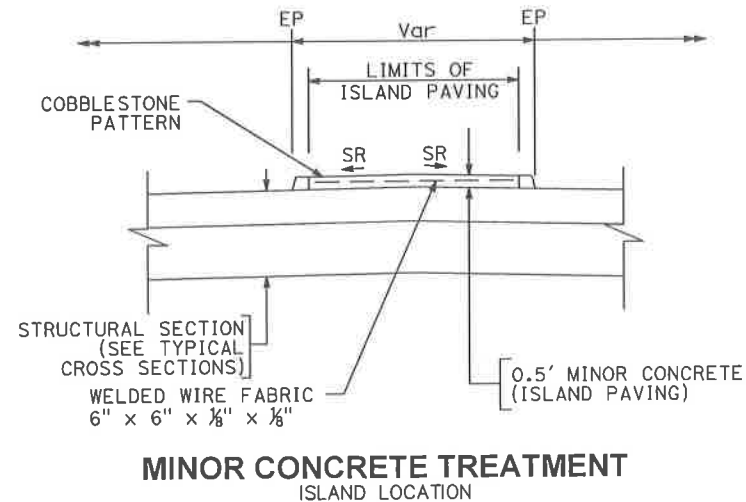
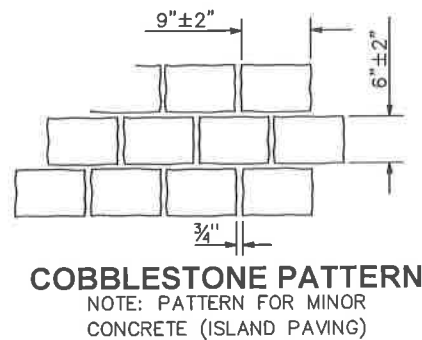
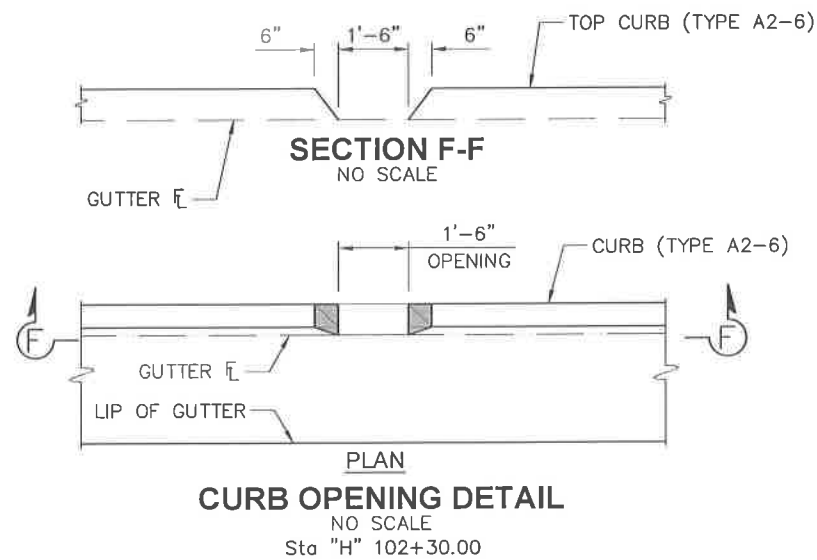
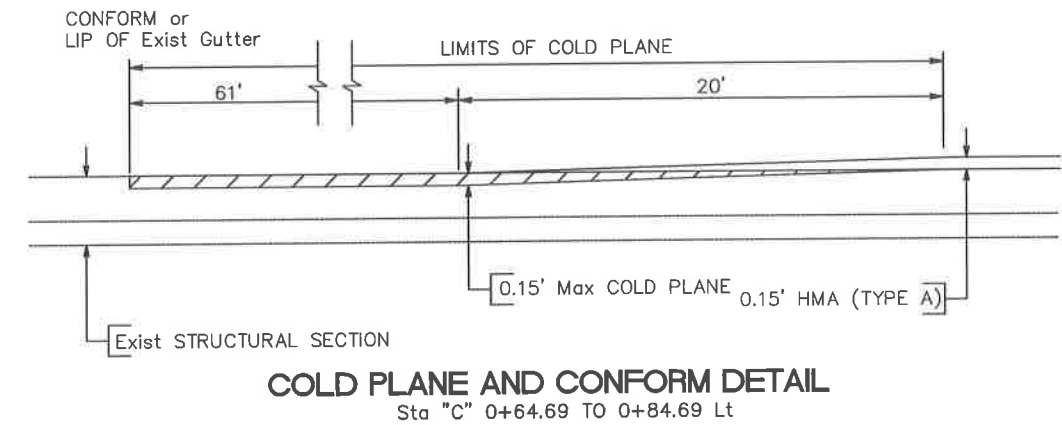
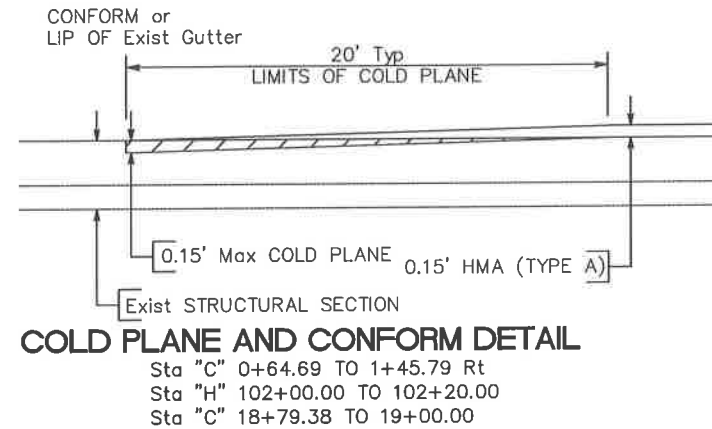
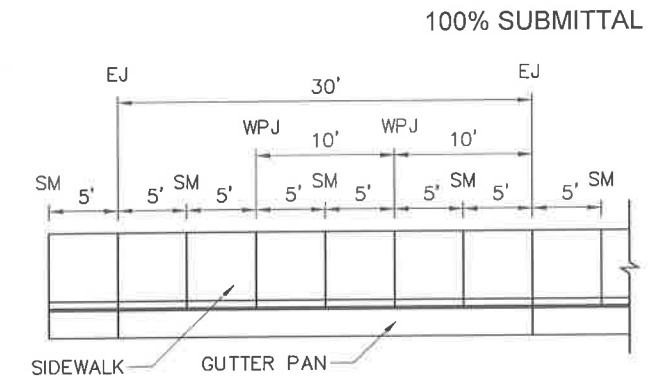
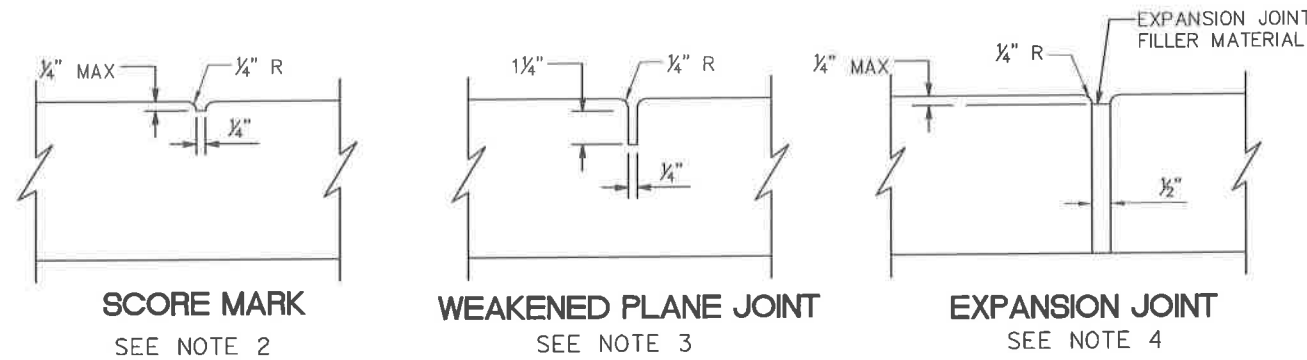
SHEET
C-10
24 OF 106 SHEETS

NOTES:

- FOR ADDITIONAL CURB DETAILS SEE STANDARD PLAN A87A.
- SIDEWALKS SHALL BE SCORED AT FIVE-FOOT INTERVALS.
- IN LIEU OF EVERY OTHER SCORE MARK, AT TEN-FOOT INTERVALS, WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED.
- IN LIEU OF EVERY THIRD WEAKENED PLANE JOINT, AT THIRTY-FOOT INTERVALS, EXPANSION JOINTS SHALL BE CONSTRUCTED AS SHOWN.
- ALLOWABLE GRADE AND DIMENSION TOLERANCES FOR CONSTRUCTION OF PEDESTRIAN FACILITIES DOES NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF MEETING THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT.

LEGEND:

- SM SCORE MARK
- WPJ WEAKENED PLANE JOINT
- EJ EXPANSION JOINT
-  COLD PLANE Exist HMA



REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
CONSTRUCTION DETAILS

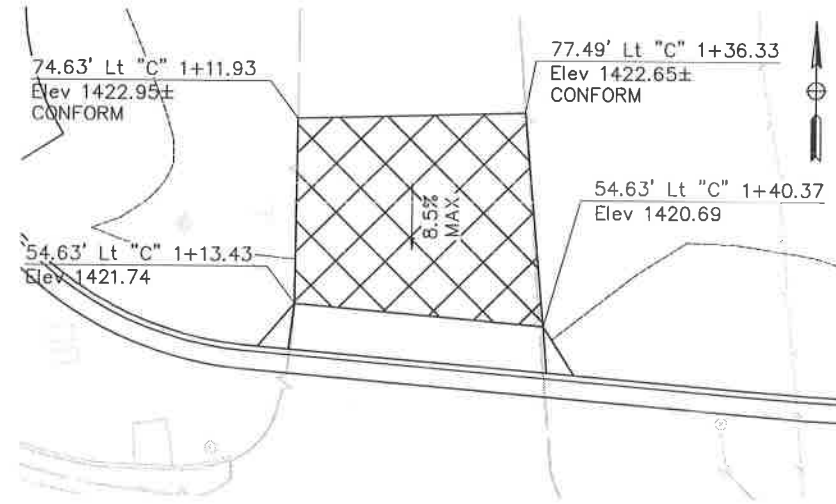
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DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
C-11
25 OF 106 SHEETS

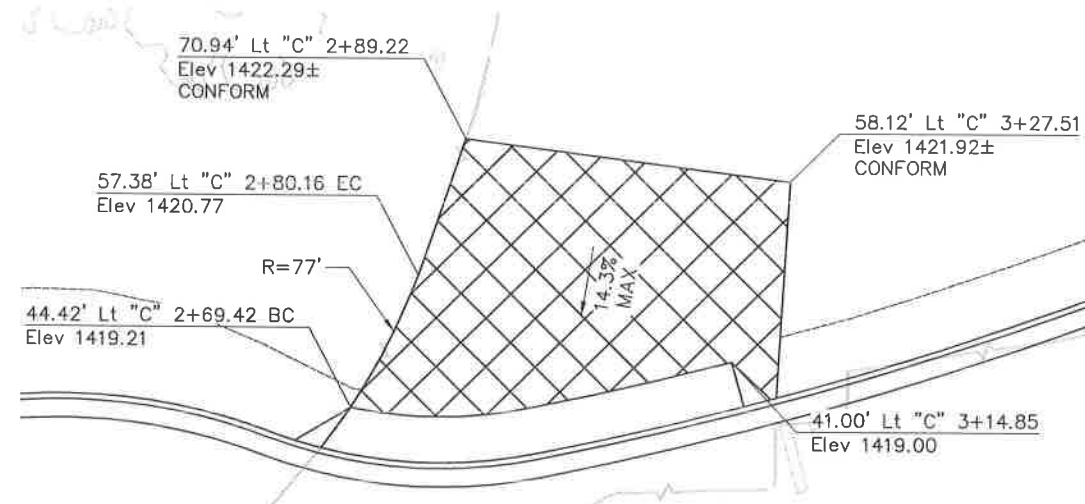
NOTES:

1. CURB (MATCH Exist) TO MATCH STYLE OF ATTACHED Exist CURB FOR ENTIRE LENGTH.

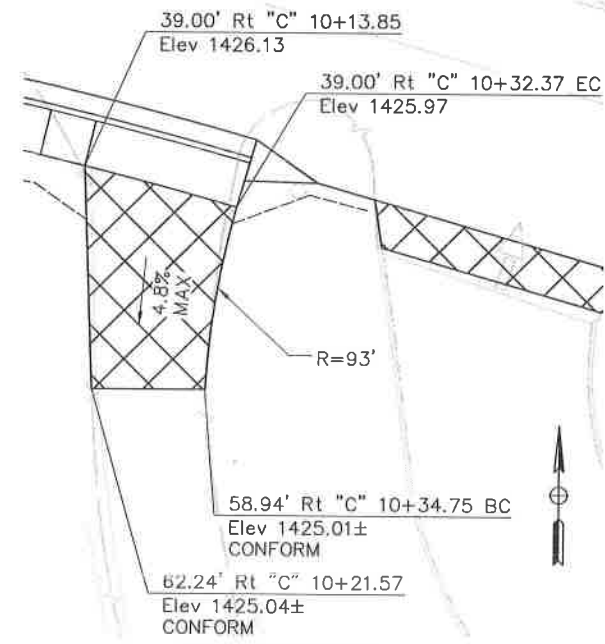
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DRIVEWAY 1
"C" Sta 1+20.00



DRIVEWAY 2
"C" Sta 3+00.00



DRIVEWAY 3
"C" Sta 10+20.00

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
CONSTRUCTION DETAILS

DRAWING: N09-300.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
C-12
26 OF 106 SHEETS

SCALE : 1" = 10'

NOTES:

1. CURB (MATCH Exist) TO MATCH STYLE OF ATTACHED Exist CURB FOR ENTIRE LENGTH.

100% SUBMITTAL

REVISIONS

NO.	DESCRIPTION	BY	DATE



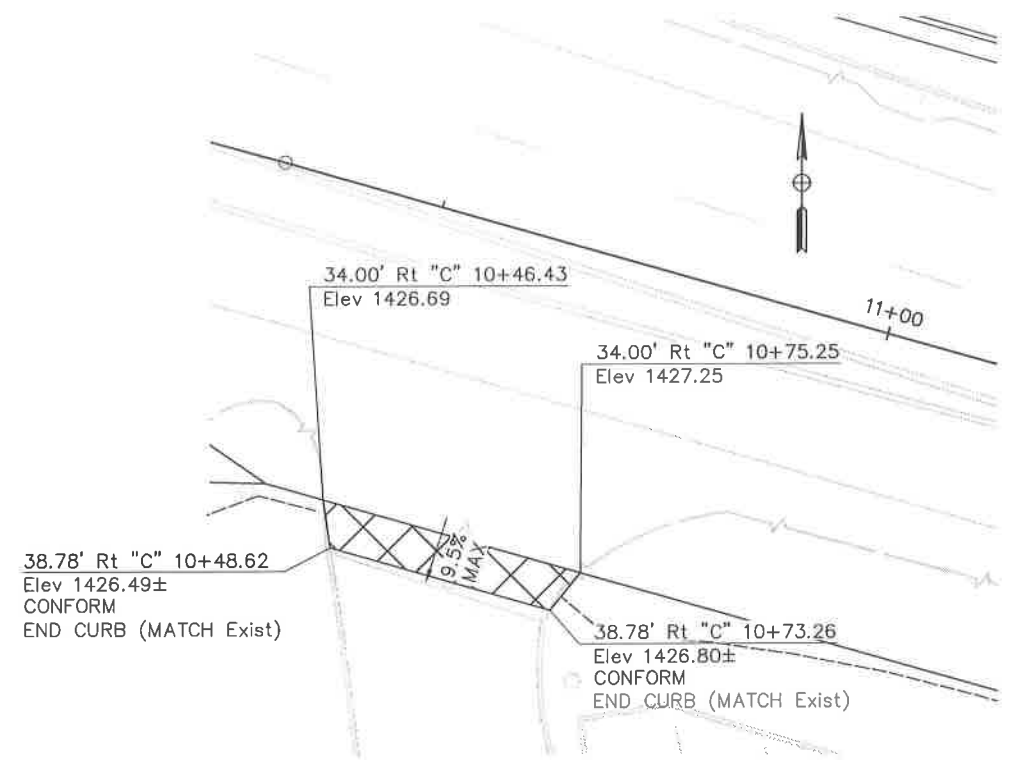
NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



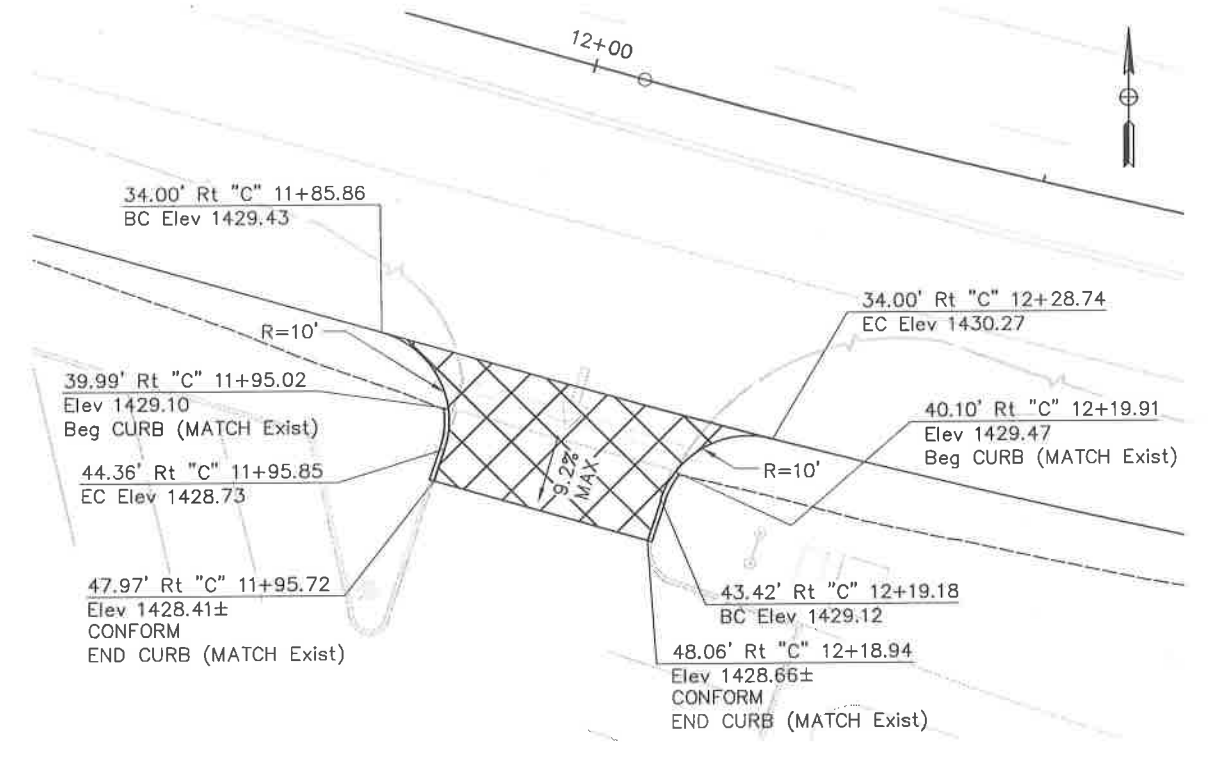
COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
CONSTRUCTION DETAILS

DRAWING: N09-300.dwg
DESIGNED: MAS
DRAWN: BC
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

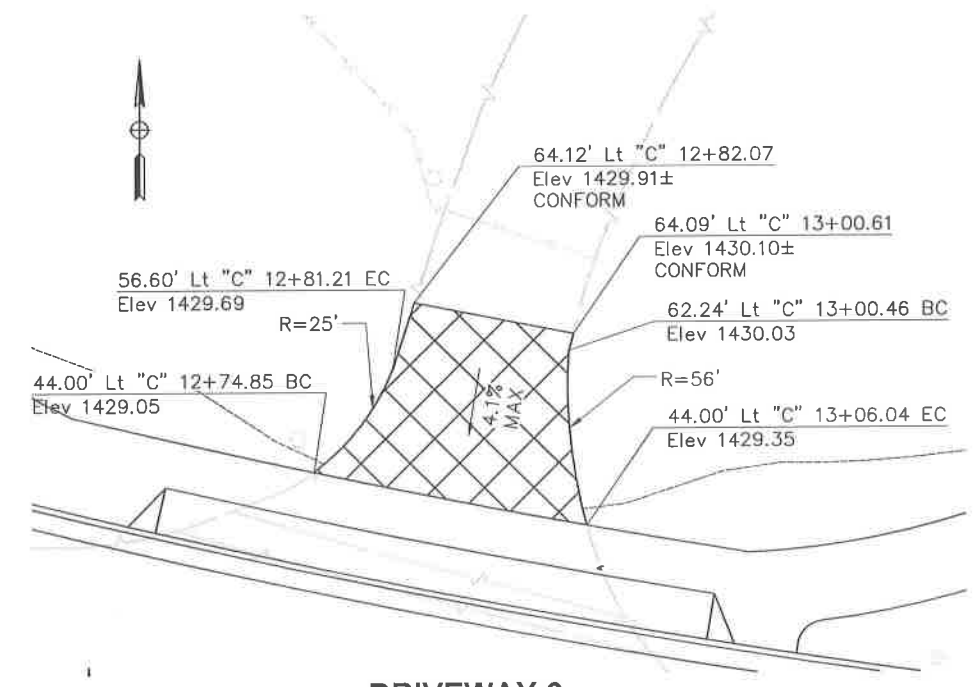
SHEET
C-13
27 of 106 SHEETS



DRIVEWAY 4
"C" Sta 10+60.00



DRIVEWAY 5
"C" Sta 12+00.00



DRIVEWAY 6
"C" Sta 12+90.00

SCALE : 1" = 10'

REVISIONS

NO.	DESCRIPTION	BY	DATE



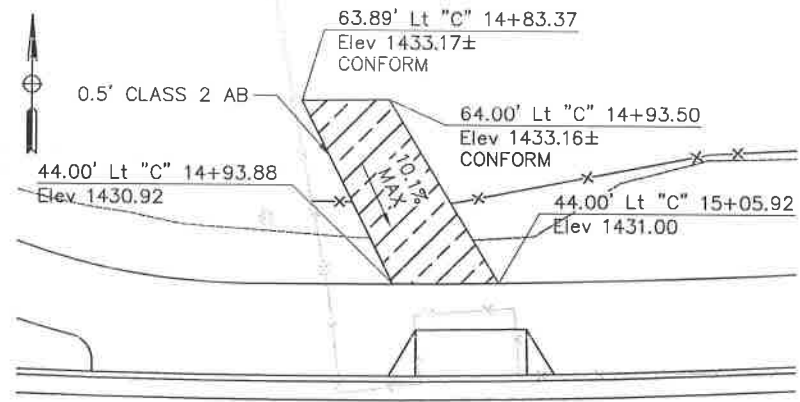
NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



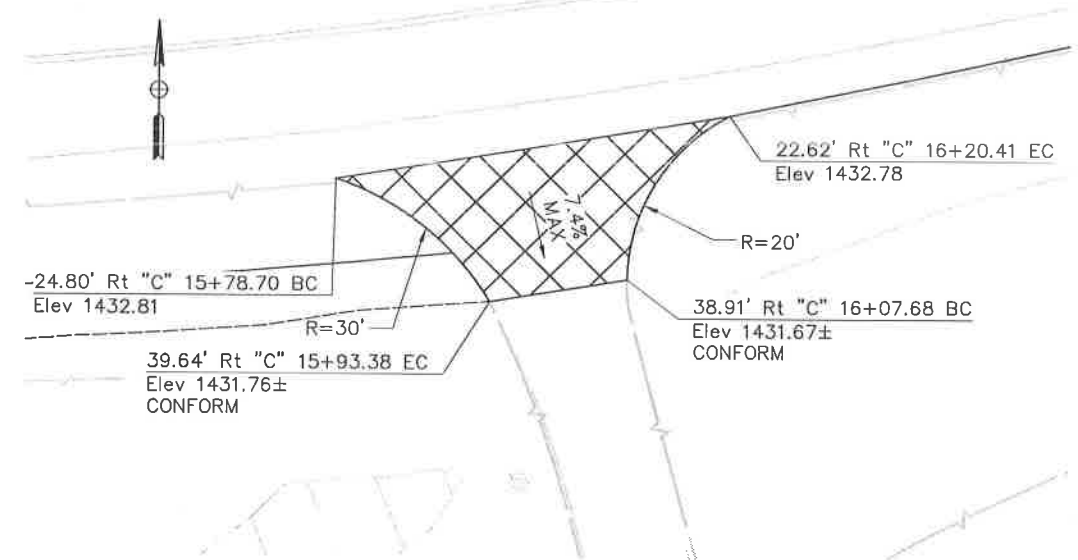
COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
CONSTRUCTION DETAILS

DRAWING: N09-300.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

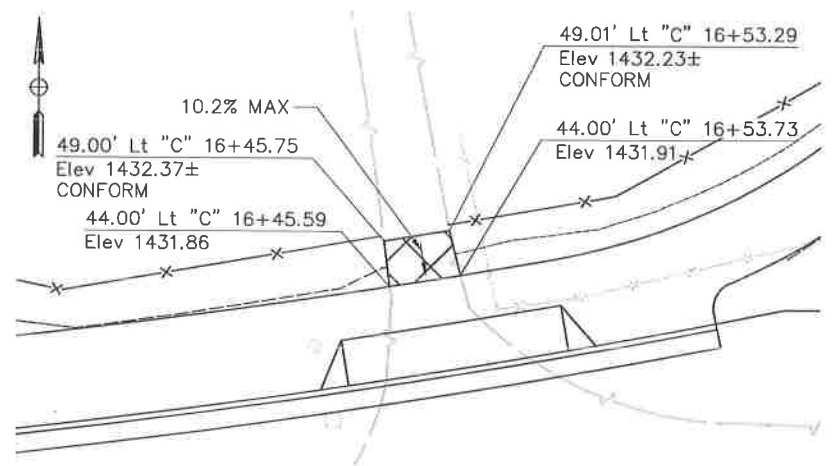
SHEET
C-14
28 of 106 SHEETS



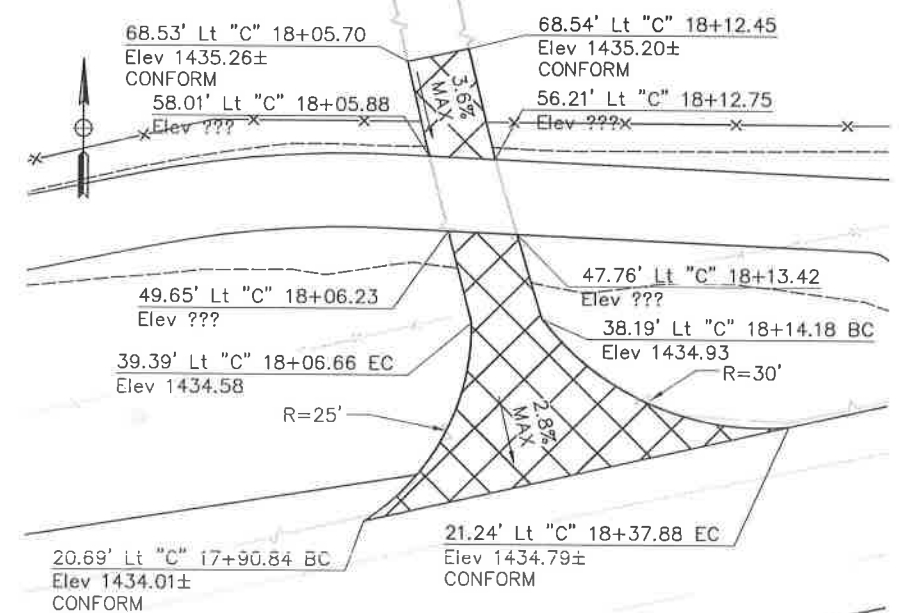
DRIVEWAY 7
"C" Sta 15+00.00



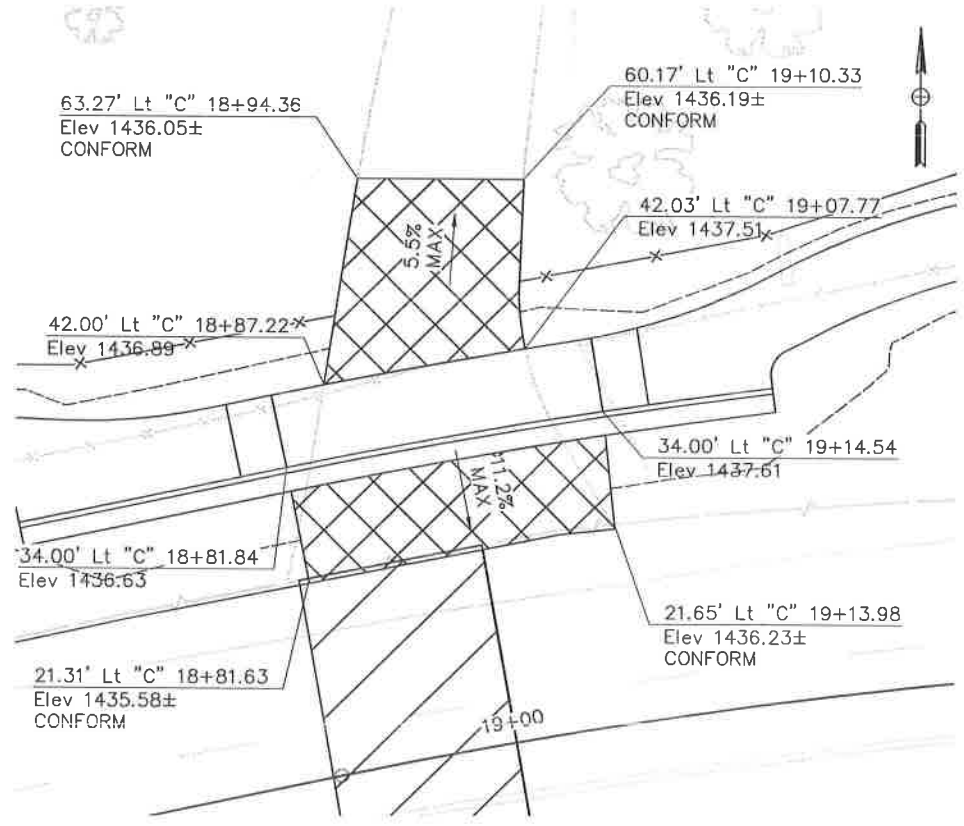
DRIVEWAY 8
"C" Sta 16+00.00



DRIVEWAY 9
"C" Sta 16+50.00

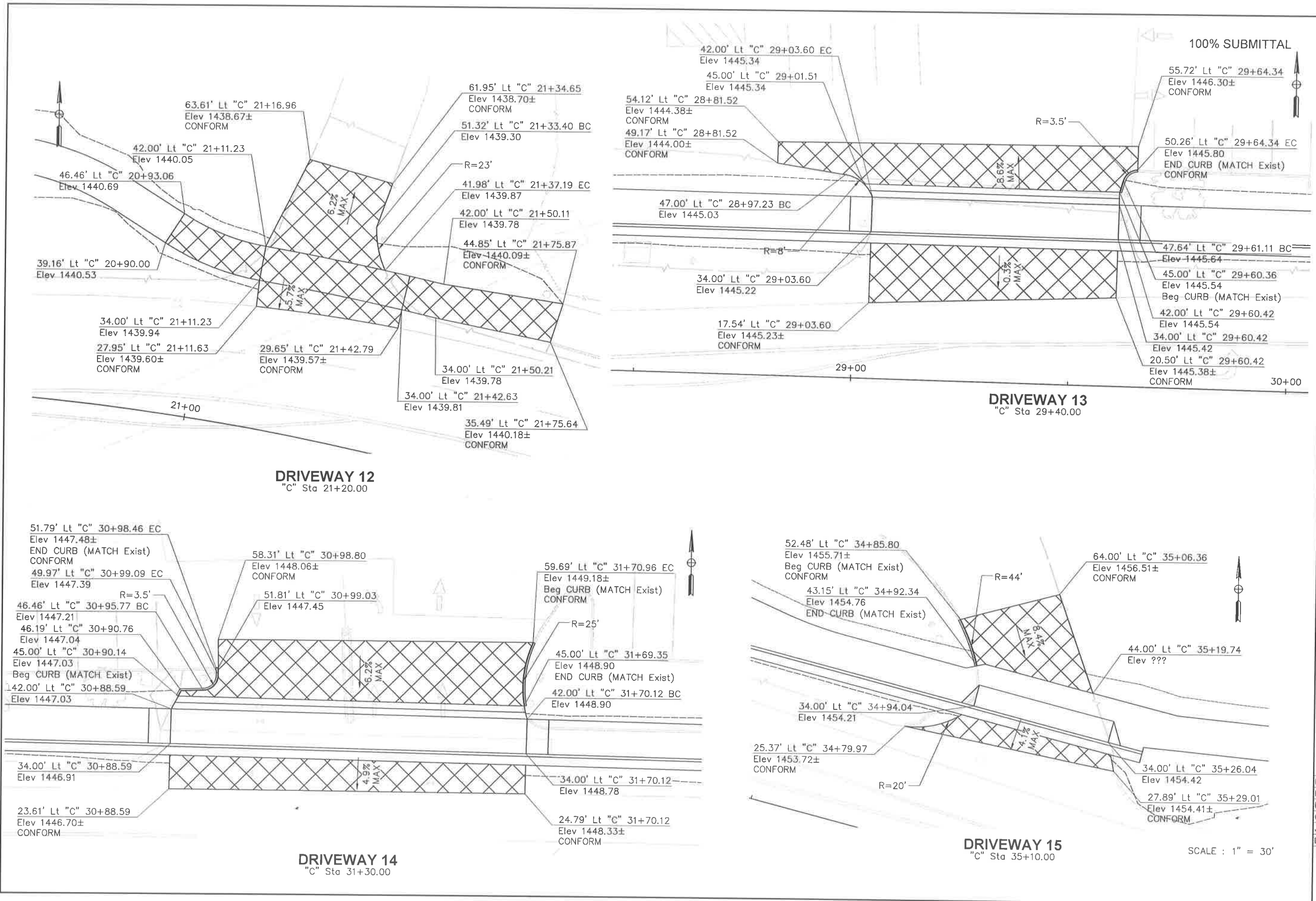


DRIVEWAY 10
"C" Sta 18+00.00



DRIVEWAY 11
"C" Sta 19+00.00

SCALE : 1" = 10'



REVISIONS	
NO.	DESCRIPTION

100% SUBMITTAL

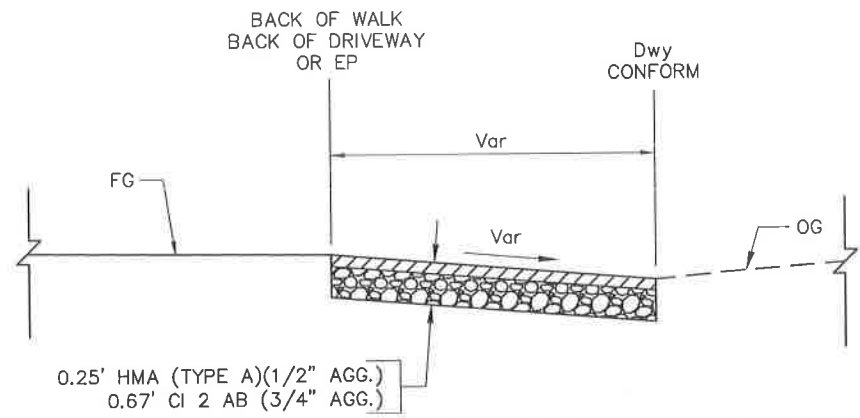
NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION

COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
CONSTRUCTION DETAILS

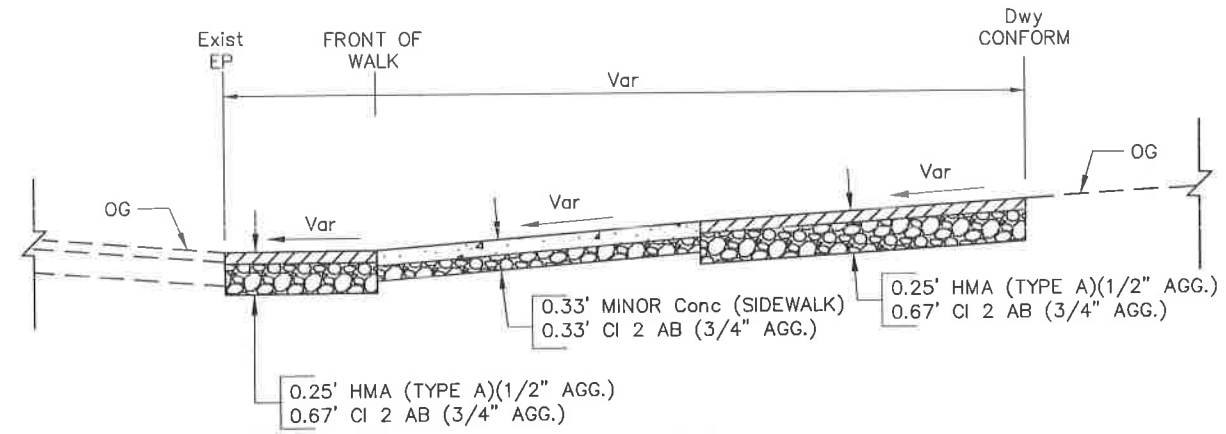
DRAWING: N09-300gn015.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPI
 JOB NO: N09-300
 DATE: Apr 5, 2018

SCALE : 1" = 30'

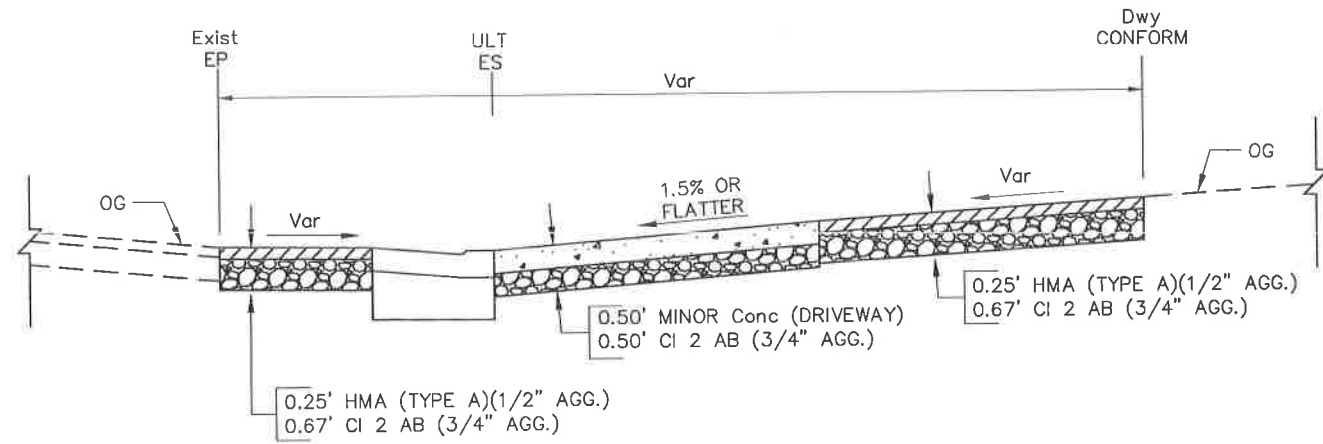
SHEET
C-15
29 OF 106 SHEETS



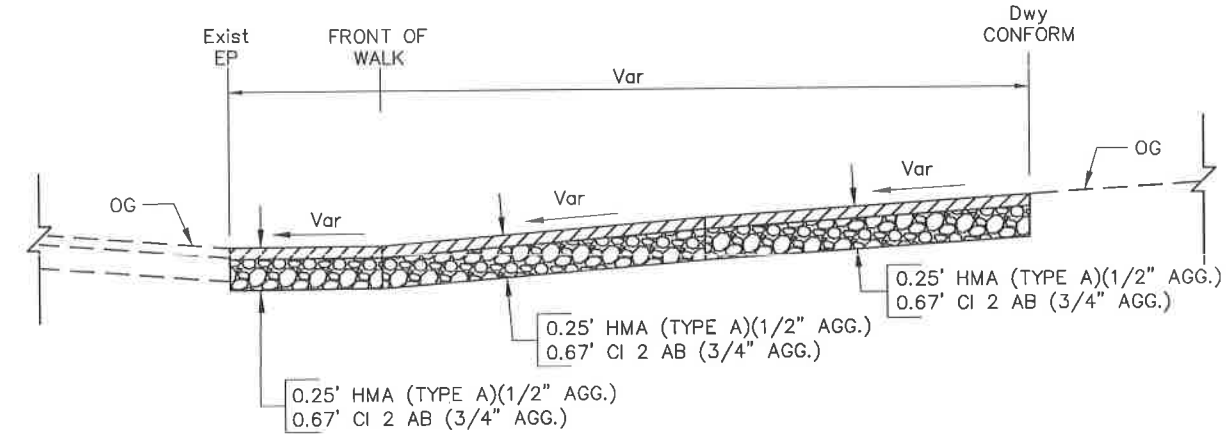
DRIVEWAY No. 1, 2, 3, 4, 5, 6, 8, 9
DRIVEWAY CONFORM DETAIL
 No Scale



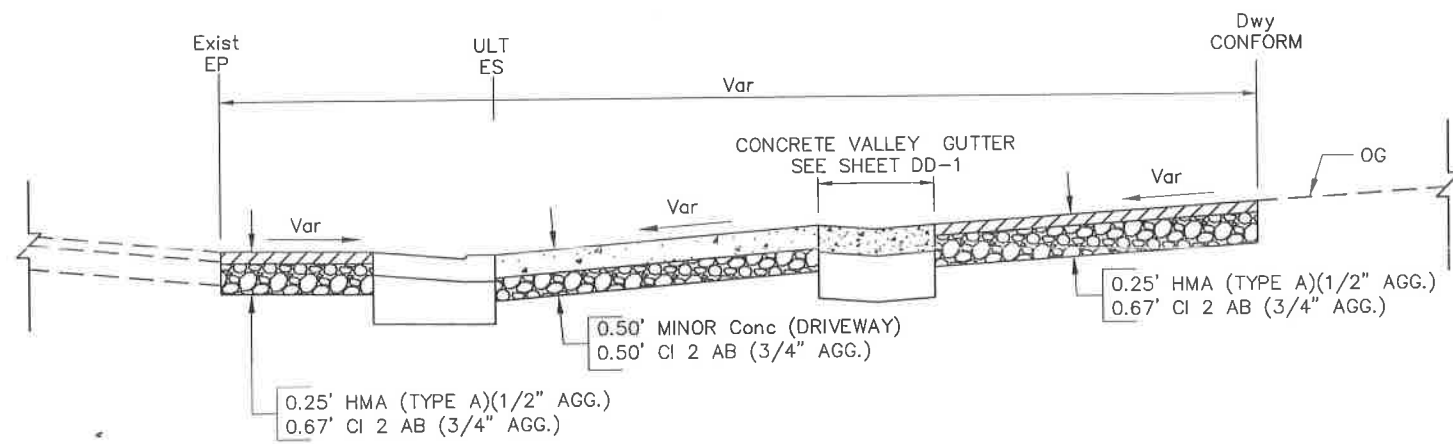
DRIVEWAY No. 10
DRIVEWAY CONFORM DETAIL
 No Scale



DRIVEWAY No. 11, 15
DRIVEWAY CONFORM DETAIL
 No Scale



DRIVEWAY No. 12
DRIVEWAY CONFORM DETAIL
 No Scale



DRIVEWAY No. 13 & 14
DRIVEWAY CONFORM DETAIL
 No Scale

100% SUBMITTAL

SCALE : 1" = 30'

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 CONSTRUCTION DETAILS

DRAWING: N09-300-0216.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Apr 5, 2018

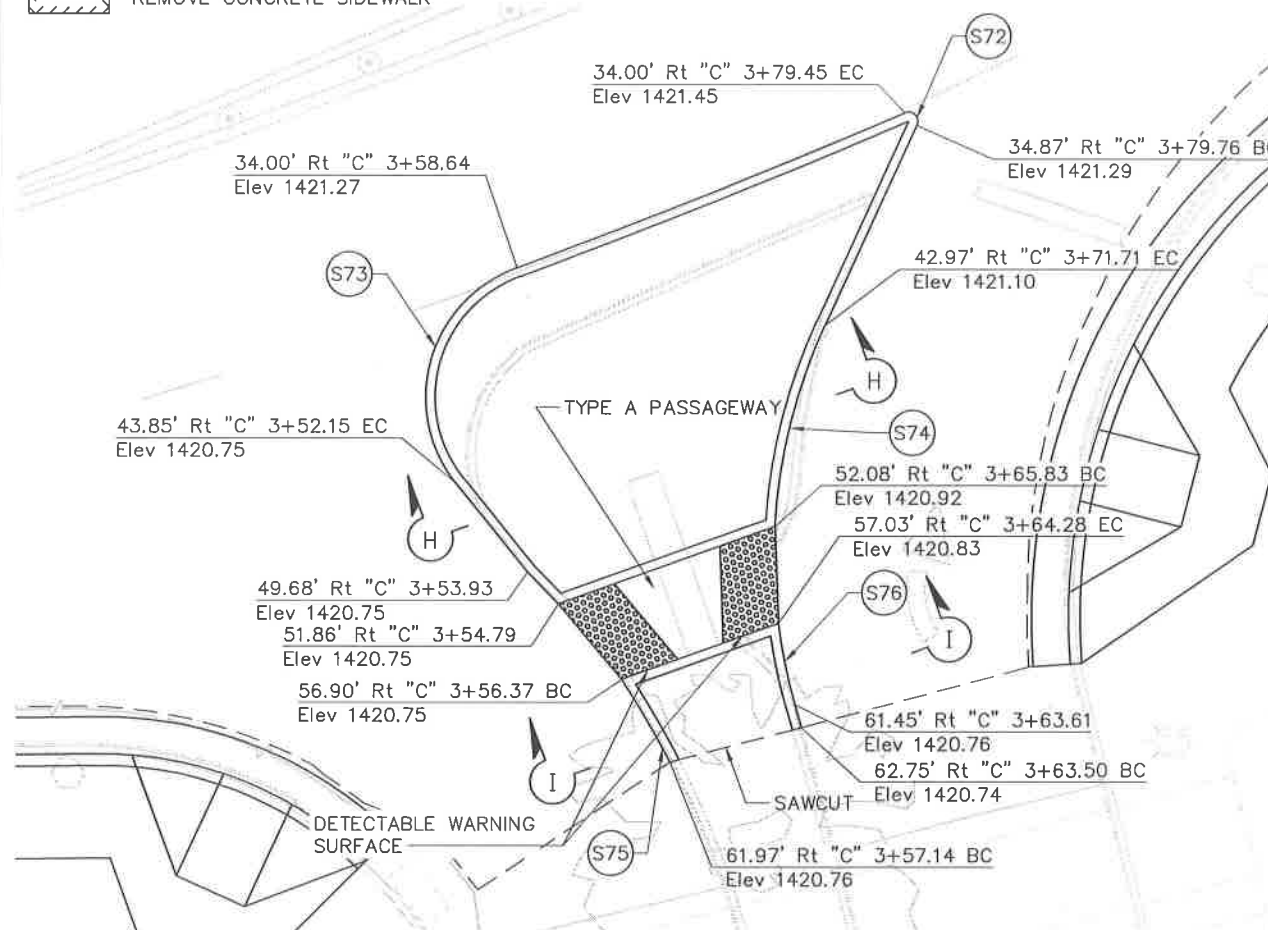
SHEET
C-16
 30 OF 106 SHEETS

NOTES:

- ELEVATIONS ARE GIVEN TO FLOWLINE, EDGE OF PAVEMENT, OR ALIGNMENT.
- FOR DETAILS NOT SHOWN SEE REVISED Std PLANS A88A.

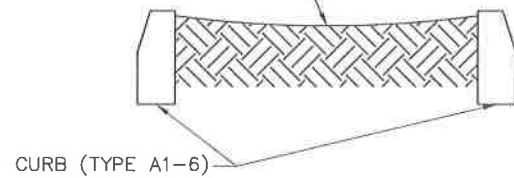
LEGEND:

 REMOVE CONCRETE SIDEWALK



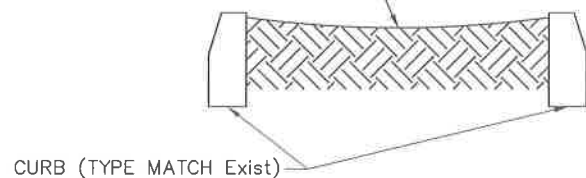
HIGGINS MARKETPLACE ENTRANCE
1" = 5'

GRADE FINISH SURFACE OF PORK CHOP ISLAND
FOR 0.2 FEET DROP FROM BACK OF CURB TO
CENTER OF ISLAND



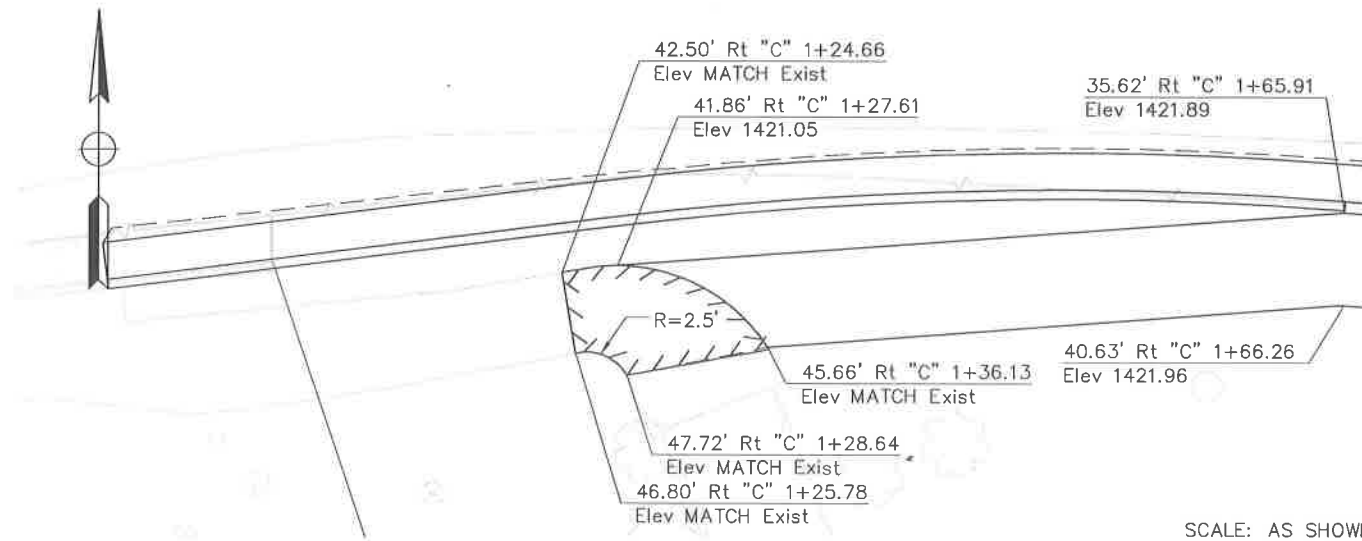
SECTION H-H

GRADE FINISH SURFACE OF PORK CHOP ISLAND
FOR 0.2 FEET DROP FROM BACK OF CURB TO
CENTER OF ISLAND



SECTION I-I

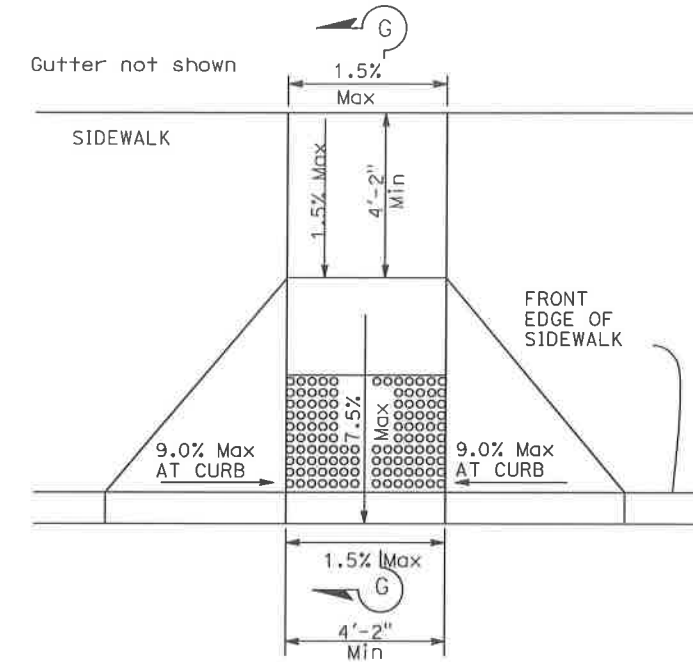
Curve Table				
Curve #	R	Δ	T	L
S72	0.50'	137' 43' 41"	1.29'	1.20'
S73	7.50'	107' 52' 38"	10.30'	14.12'
S74	30.00'	21' 31' 22"	5.70'	11.27'
S75	50.75'	5' 50' 24"	2.59'	5.17'
S76	30.00'	8' 34' 09"	2.25'	4.49'



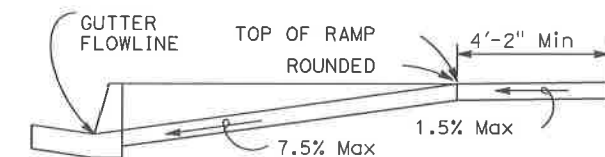
SIDEWALK AT CONFORM
1" = 5'

SCALE: AS SHOWN

100% SUBMITTAL



CURB RAMP TYPE (Mod)
NO SCALE
SEE NOTE 2



SECTION G-G

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
CONSTRUCTION DETAILS

DRAWING: N09-300.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018







SHEET
C-17
31 OF 106 SHEETS

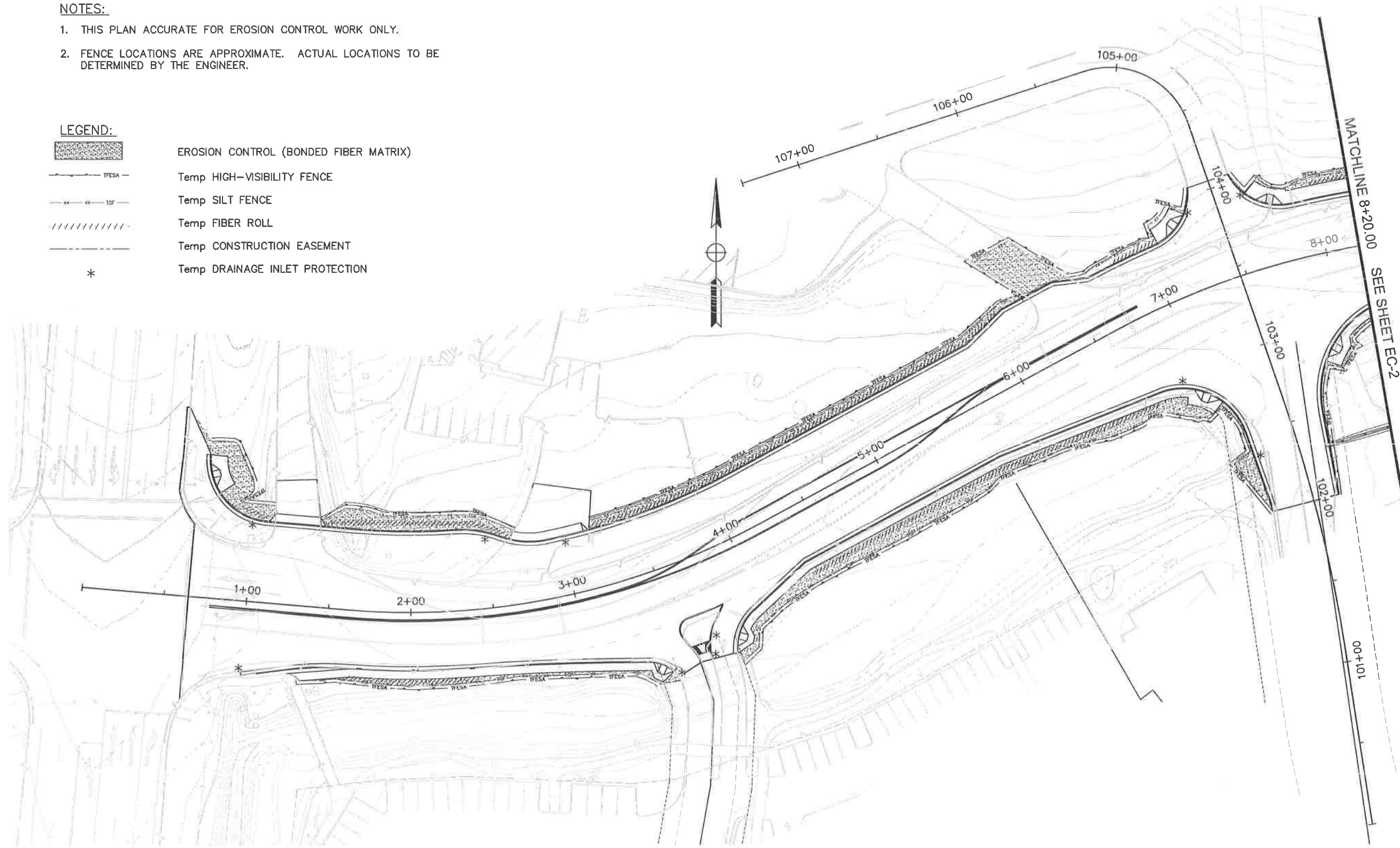
100% SUBMITTAL

NOTES:

- 1. THIS PLAN ACCURATE FOR EROSION CONTROL WORK ONLY.
- 2. FENCE LOCATIONS ARE APPROXIMATE. ACTUAL LOCATIONS TO BE DETERMINED BY THE ENGINEER.

LEGEND:

-  EROSION CONTROL (BONDED FIBER MATRIX)
-  Temp HIGH-VISIBILITY FENCE
-  Temp SILT FENCE
-  Temp FIBER ROLL
-  Temp CONSTRUCTION EASEMENT
-  Temp DRAINAGE INLET PROTECTION



SCALE : 1" = 30'

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION

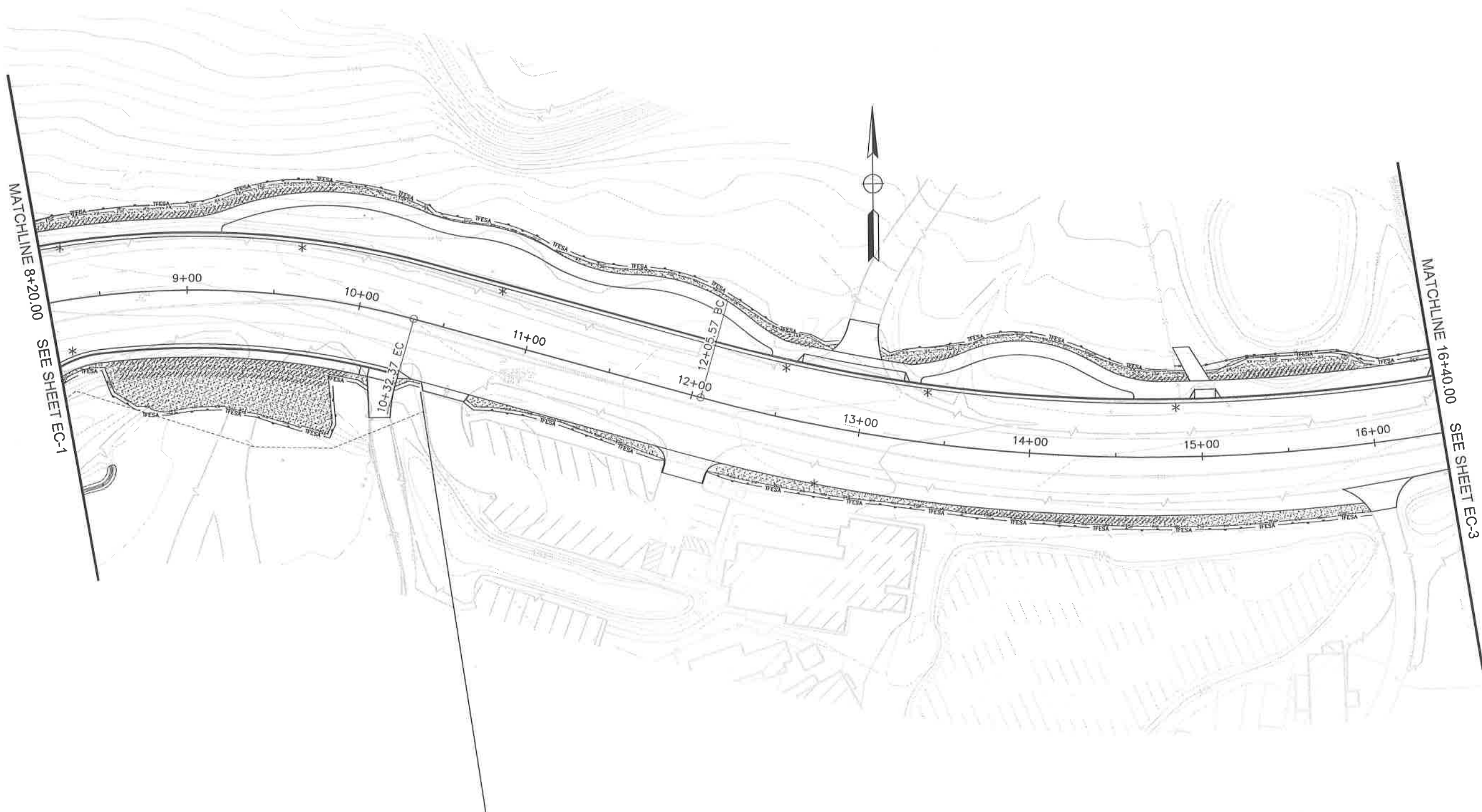


COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 EROSION CONTROL

DRAWING: N09-300r001.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Apr 5, 2018

SHEET
EC-1
 32 OF 106 SHEETS

100% SUBMITTAL



MATCHLINE 8+20.00 SEE SHEET EC-1

MATCHLINE 16+40.00 SEE SHEET EC-3

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



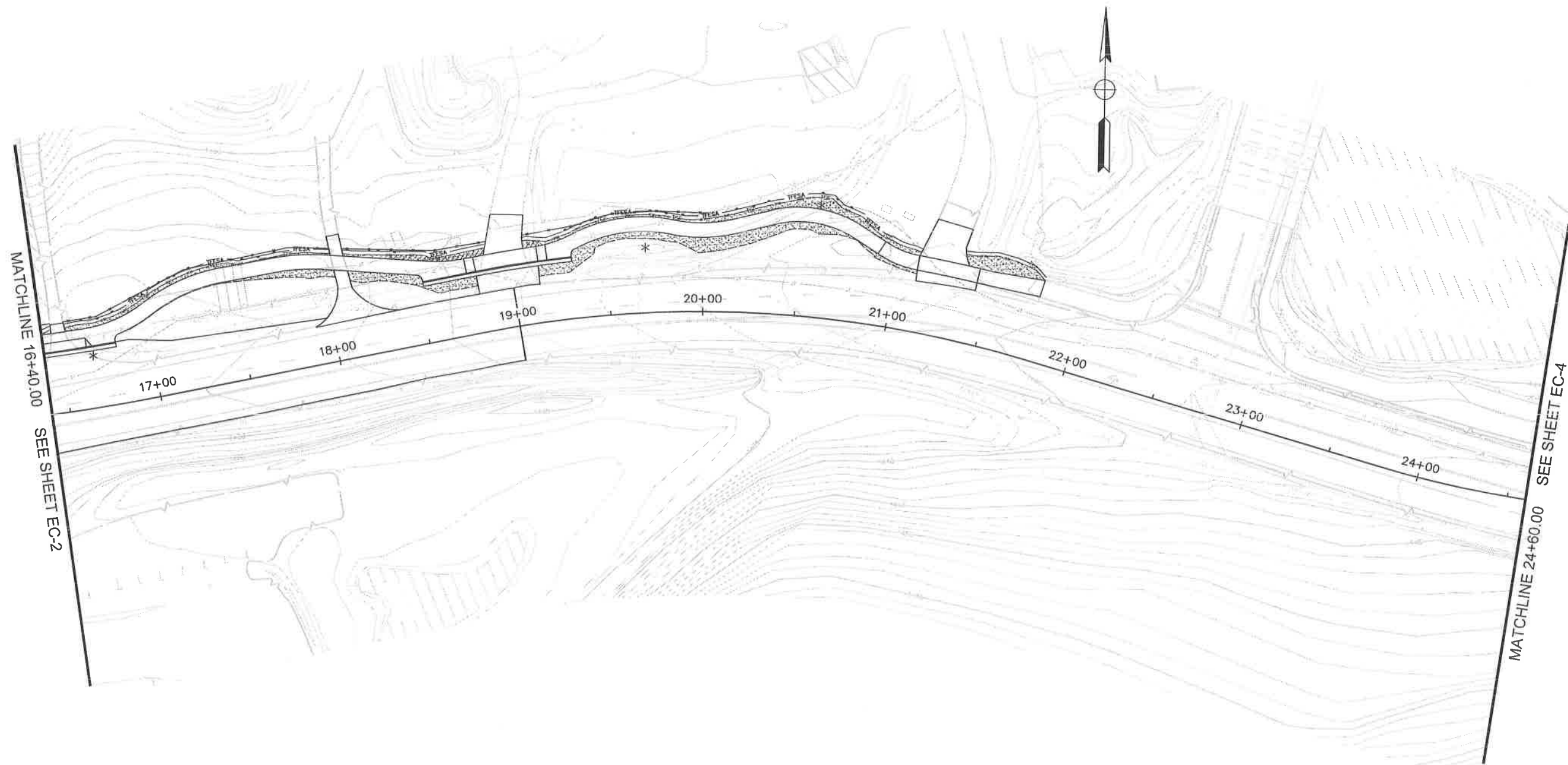
COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 EROSION CONTROL

DRAWING: N09-300-300.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Apr 5, 2018

SCALE : 1" = 30'

SHEET
EC-2
 33 of 106 SHEETS

100% SUBMITTAL



MATCHLINE 16+40.00 SEE SHEET EC-2

MATCHLINE 24+60.00 SEE SHEET EC-4

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



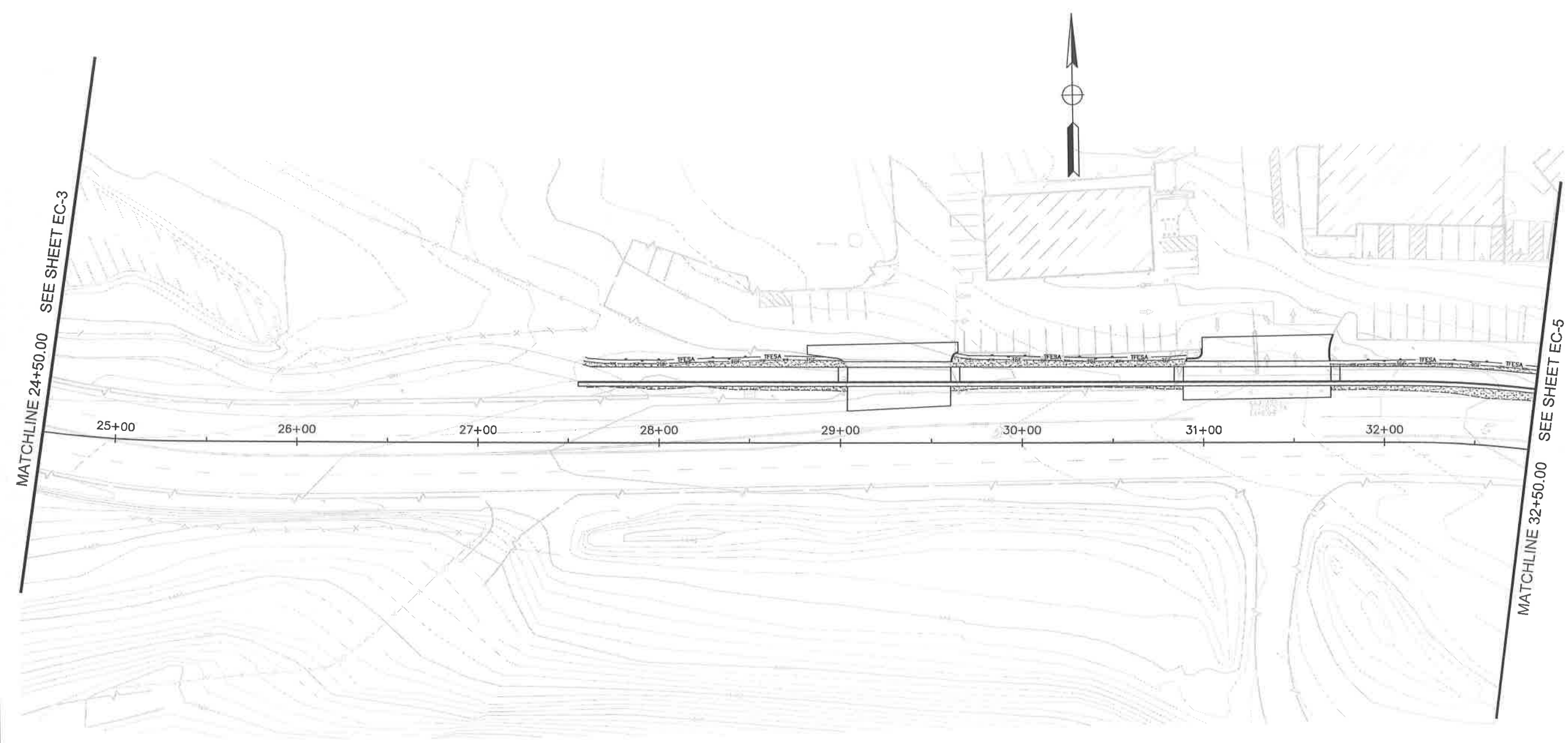
COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 EROSION CONTROL

DRAWING: N09-300.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Apr 5, 2018

SCALE : 1" = 30'

SHEET
EC-3
 34 OF 106 SHEETS

100% SUBMITTAL



MATCHLINE 24+50.00 SEE SHEET EC-3

MATCHLINE 32+50.00 SEE SHEET EC-5

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



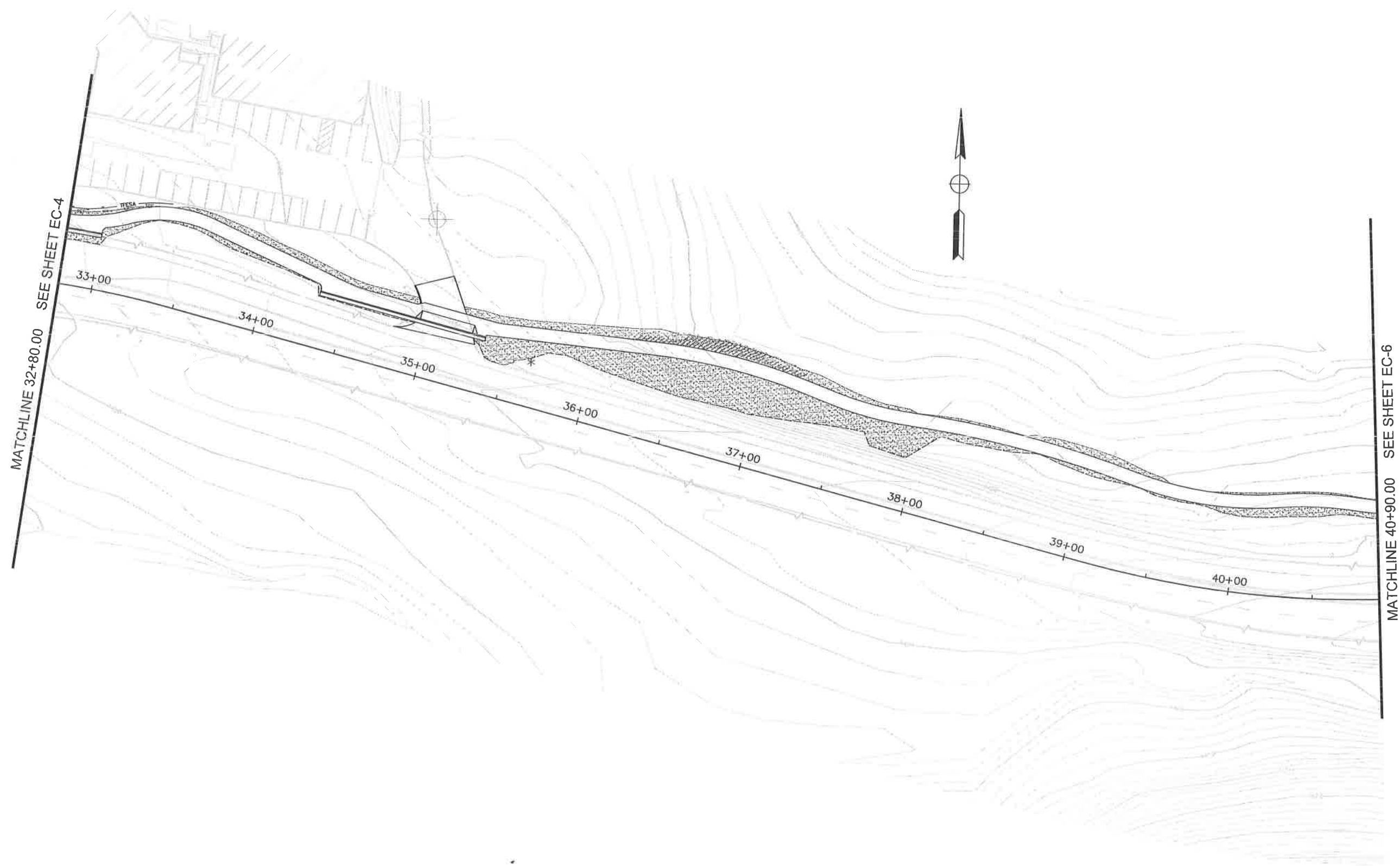
COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 EROSION CONTROL

DRAWING: N09-300g004.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Apr 5, 2018

SCALE : 1" = 30'

SHEET
EC-4
 35 of 106 SHEETS

100% SUBMITTAL



MATCHLINE 32+80.00 SEE SHEET EC-4

MATCHLINE 40+90.00 SEE SHEET EC-6



REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



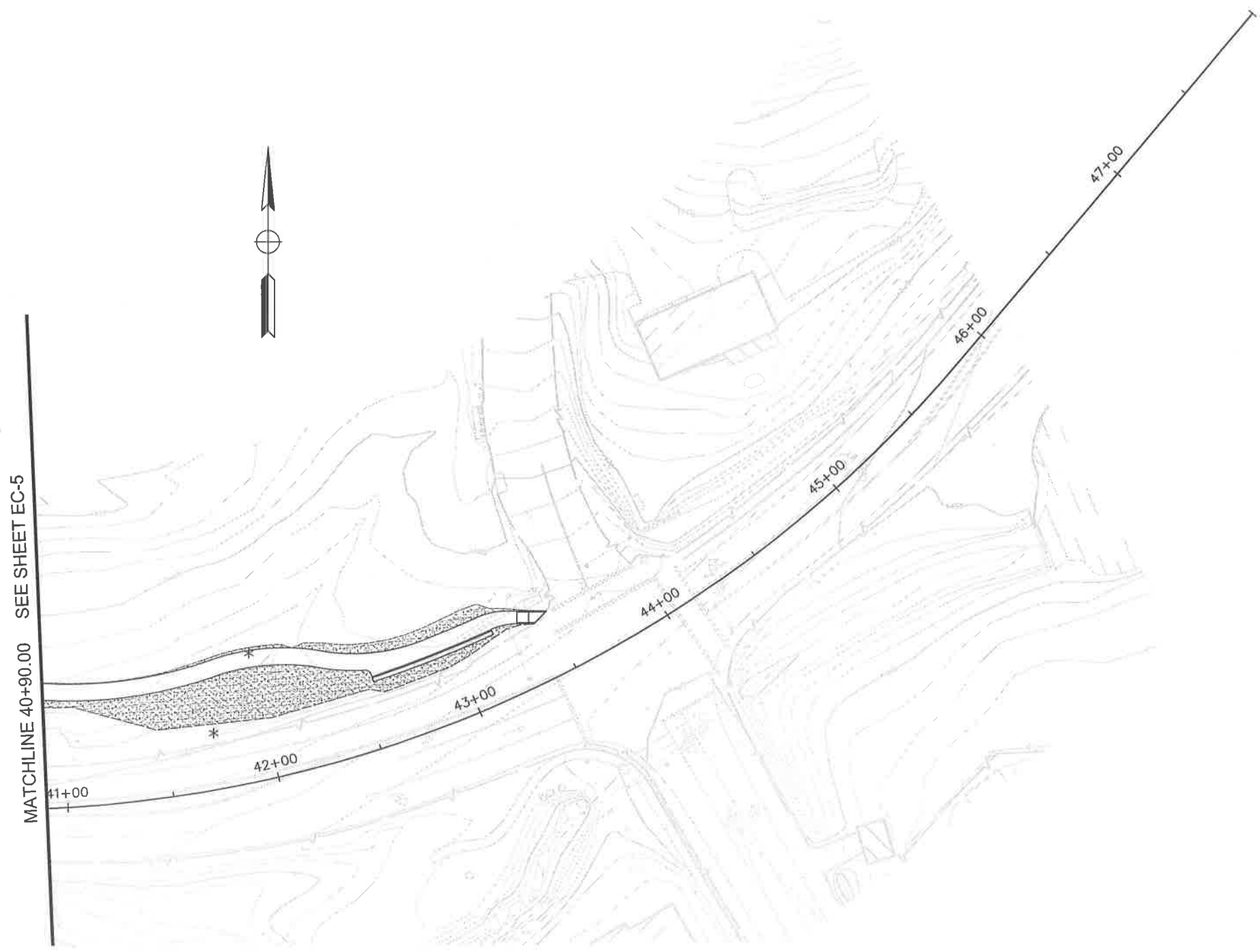
COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 EROSION CONTROL

DRAWING: N09-300g005.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Apr 5, 2018

SCALE : 1" = 30'

SHEET
EC-5
 36 OF 106 SHEETS

100% SUBMITTAL



MATCHLINE 40+90.00 SEE SHEET EC-5



SCALE : 1" = 30'

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 EROSION CONTROL

DRAWING: N09-300rg1006.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Apr 5, 2018

SHEET
EC-6
 37 of 106 SHEETS

SHEET No.	FROM			TO			HYDROSEED	TEMPORARY FIBER ROLL	TEMPORARY SILT FENCE	TEMPORARY HIGH-VISIBILITY FENCE	TEMPORARY DRAINAGE INLET PROTECTION
							SQFT	LF	LF	LF	EA
EC-1	"C"	0+60	Lt	"C"	1+10	Lt	774	35	92	92	
EC-1	"C"	1+50	Lt	"C"	2+60	Lt	800	109	118	118	
EC-1	"C"	3+20.00	Lt	"C"	7+40.00	Lt	960	280	434	434	
EC-1	"C"	7+50.00	Lt	"C"	8+20.00	Lt	158	25	77	77	
EC-1	"C"	1+50.00	Rt	"C"	3+40.00	Rt	555	82	221	221	
EC-1	"C"	3+75.00	Rt	"C"	7+10.00	Rt	2448	231	375	375	
EC-1	"C"	7+50.00	Rt	"C"	8+20.00	Rt	188		128	128	
EC-1	"C"	1+00.00	Lt	-	-	-					1
EC-1	"C"	1+00.00	Rt	-	-	-					1
EC-1	"C"	2+50.00	Lt	-	-	-					1
EC-1	"C"	3+00.00	Lt	-	-	-					1
EC-1	"C"	3+45.00	Rt	-	-	-					1
EC-1	"C"	3+60.00	Rt	-	-	-					1
EC-1	"C"	365.0	Rt	-	-	-					1
EC-1	"C"	6+85.00	Rt	-	-	-					1
EC-1	"C"	7+20.00	Rt	-	-	-					1
EC-1	"C"	72+50.00	Lt	-	-	-					1
EC-1	"C"	7+55.00	Lt	-	-	-					1
EC-2	"C"	8+20.00	Lt	"C"	12+75.00	Lt	1014	176	484	484	
EC-2	"C"	8+20.00	Rt	"C"	9+30.00	Rt	1886		106	106	
EC-2	"C"	13+00.00	Lt	"C"	14+95.00	Lt	418	72	183	183	
EC-2	"C"	15+05.00	Lt	"C"	16+40.00	Lt	560	142	137	137	
EC-2	"C"	8+20.00	Rt	"C"	9+30.00	Rt					
EC-2	"C"	9+50.00	Rt	"C"	10+20.00	Rt	1405	35	124	124	
EC-2	"C"	10+75.00	Rt	"C"	11+95.00	Rt	339	134	123	123	
EC-2	"C"	12+15.00	Rt	"C"	16+00.00	Rt	1991	135	388	388	
EC-2	"C"	8+30.00	Lt	-	-	-					1
EC-2	"C"	8+30.00	Rt	-	-	-					1
EC-2	"C"	9+60.00	Lt	-	-	-					1
EC-2	"C"	10+75.00	Lt	-	-	-					1
EC-2	"C"	12+50.00	Lt	-	-	-					1
EC-2	"C"	12+80.00	Rt	-	-	-					1
EC-2	"C"	13+40.00	Lt	-	-	-					1
EC-2	"C"	14+90.00	Lt	-	-	-					1
TOTAL							13496	1454	2988	2988	19

TOTAL							13496	1454	2988	2988	19
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EROSION CONTROL QUANTITIES

SHEET No.	FROM			TO			HYDROSEED	TEMPORARY FIBER ROLL	TEMPORARY SILT FENCE	TEMPORARY HIGH-VISIBILITY FENCE	TEMPORARY DRAINAGE INLET PROTECTION
							SQFT	LF	LF	LF	EA
EC-3	"C"	16+55.00	Lt	"C"	18+00.00	Lt	218		154	154	
EC-3	"C"	18+05.00	Lt	"C"	18+90.00	Lt	556	54	78	78	
EC-3	"C"	19+10.00	Lt	"C"	21+10.00	Lt	909		230	230	
EC-3	"C"	21+40.00	Lt	"C"	21+75.00	Lt	283		47	47	
EC-3	"C"	16+70.00	Lt	-	-	-					1
EC-3	"C"	19+60.00	Lt	-	-	-					1
EC-3	"C"	20+60.00	Lt	-	-	-					1
EC-4	"C"	27+60.00	Lt	"C"	29+10.00	Lt	623		142	142	
EC-4	"C"	29+60.00	Lt	"C"	30+80.00	Lt	637		128	128	
EC-4	"C"	31+70.00	Lt	"C"	32+80.00	Lt	591		115	115	
EC-5	"C"	32+80.00	Lt	"C"	34+90.00	Lt	872		221	221	
EC-5	"C"	35+25.00	Lt	"C"	40+90.00	Lt	6297		682	682	
EC-6	"C"	35+00.00	Lt	-	-	-					2
EC-6	"C"	40+90.00	Lt	"C"	43+50.00	Lt	3100		244	244	
TOTAL							27363	1507	4874	4874	24

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



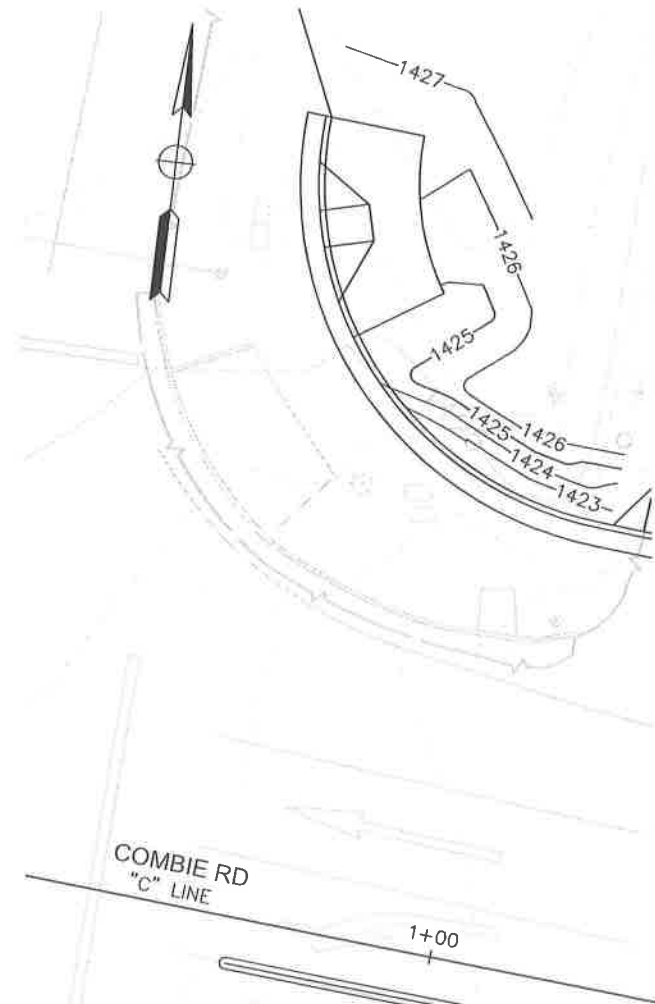
COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
EROSION CONTROL QUANTITIES

DRAWING: N09-300rqp001.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

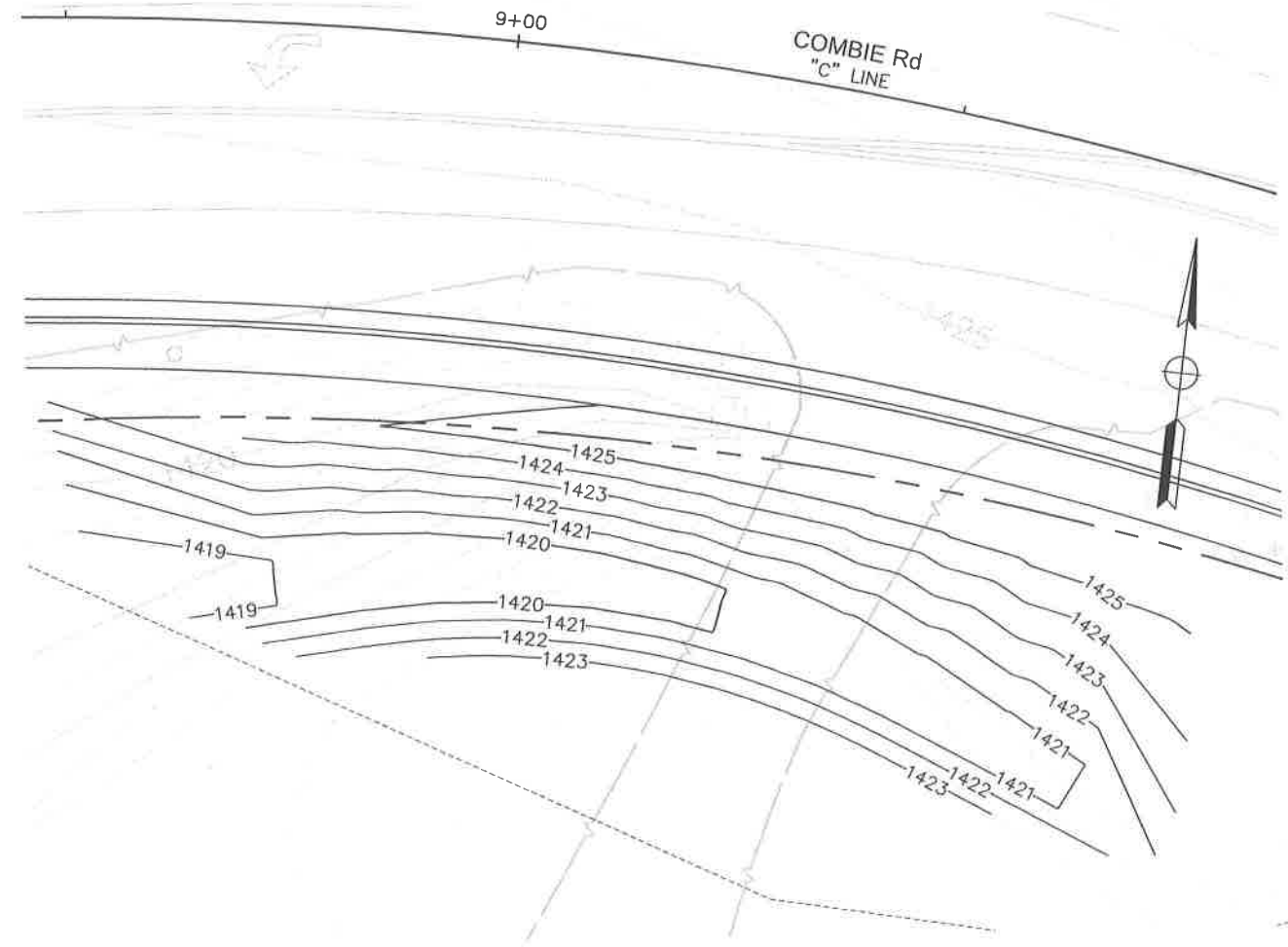
SHEET
ECQ-1

NOTES:

1. THIS PLAN ACCURATE FOR GRADING WORK ONLY.



SR49/ COMBIE Rd GRADING
SCALE: 1"=10'



NORTHRIDGE DRIVEWAY GRADING
SCALE: 1"=10'

SCALE : AS SHOWN

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION

COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
CONTOUR GRADING

DRAWING: N09-300h001.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPL
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
G-1
39 of 106 SHEETS

NOTES:

1. THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.
2. FOR COMPLETE RIGHT OF WAY DATA, SEE RIGHT OF WAY RECORD MAPS AT COUNTY OFFICE.
3. UNLESS NOTED OTHERWISE, STATION AND OFFSET TIES TO DRAIN STRUCTURES ARE MEASURED AT FLOW AND CENTER OF STRUCTURE.
4. FOR UTILITY INFORMATION, SEE UTILITY SHEETS.
5. CONTRACTOR SHALL POSITIVELY DETERMINE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION OF ANY COMPONENT OF ANY DRAINAGE SYSTEM IN ORDER TO VERIFY CONSTRUCTABILITY OF THE DRAINAGE SYSTEM AS SHOWN ON PLANS.

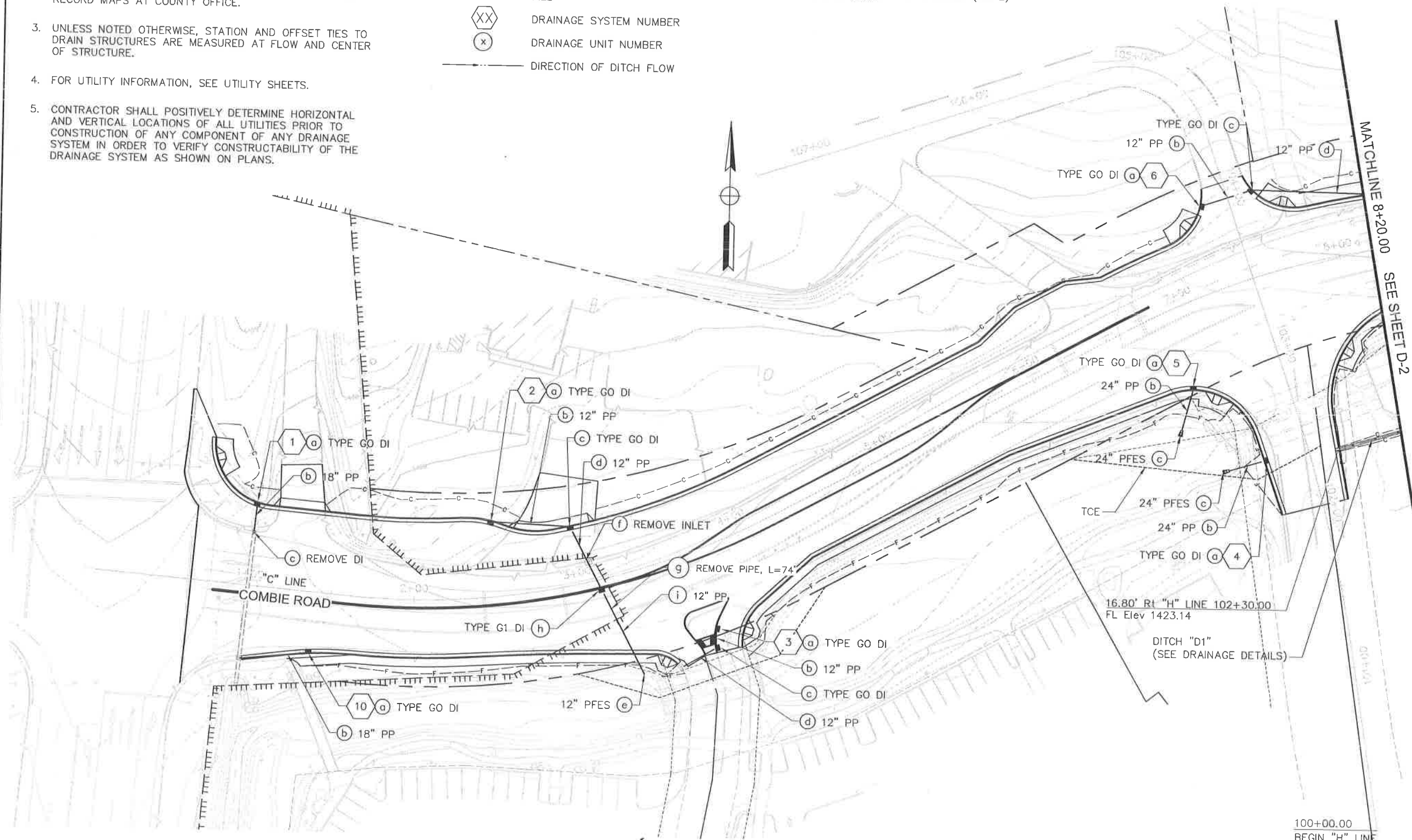
LEGEND:

- c--- CUT
- f--- FILL
- ⬡ XX DRAINAGE SYSTEM NUMBER
- ⊙ x DRAINAGE UNIT NUMBER
- DIRECTION OF DITCH FLOW

ABBREVIATIONS:

- PP PLASTIC PIPE (HDPE)
- PFES PLASTIC FLARED END SECTION (HDPE)

100% SUBMITTAL



REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
DRAINAGE PLAN

DRAWING: N09-300vis001.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
D-1
40 of 106 SHEETS

SCALE : 1" = 30'

100+00.00
BEGIN "H" LINE

MATCHLINE 8+20.00
SEE SHEET D-2

REVISIONS

NO.	DESCRIPTION	BY	DATE



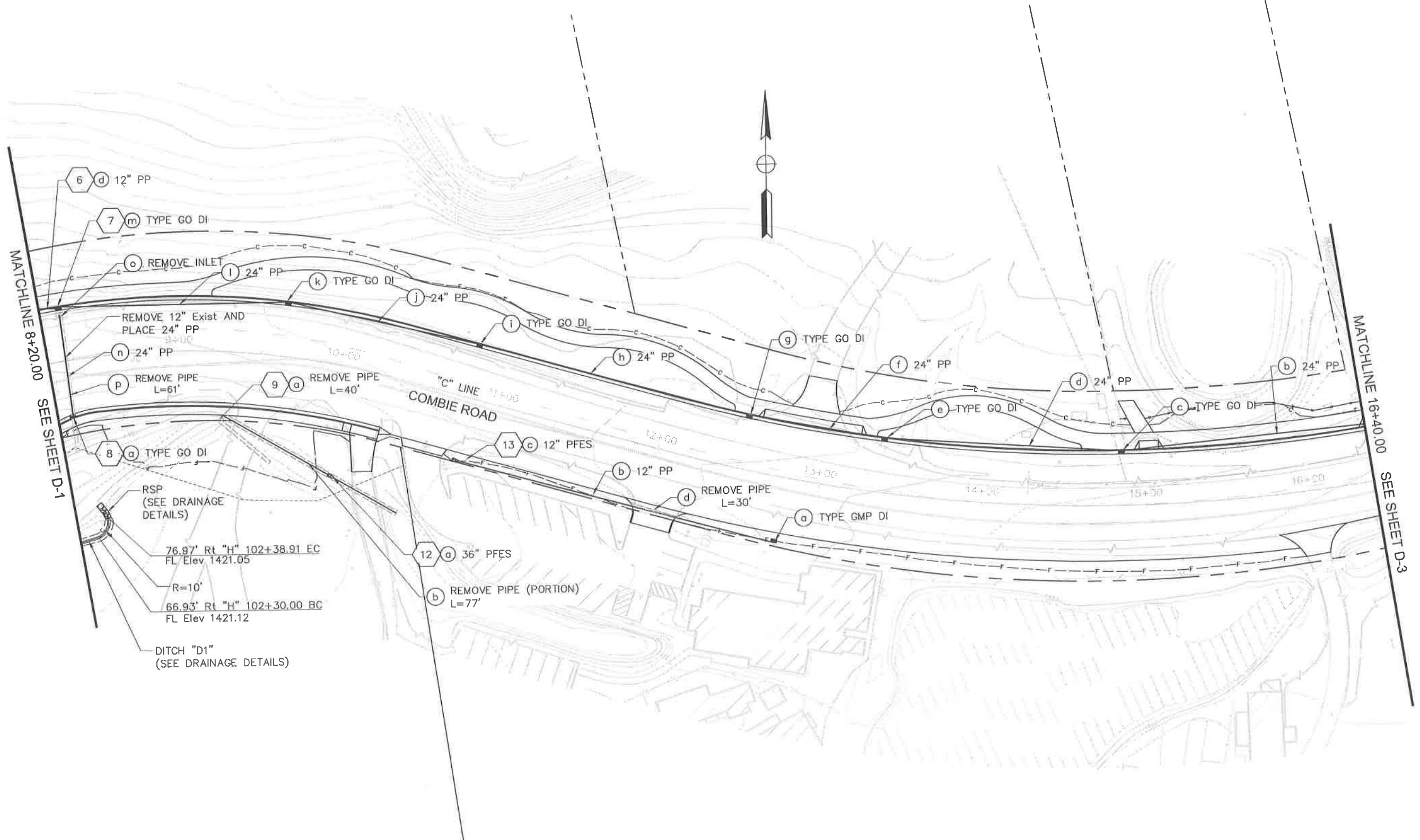
NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 DRAINAGE PLAN

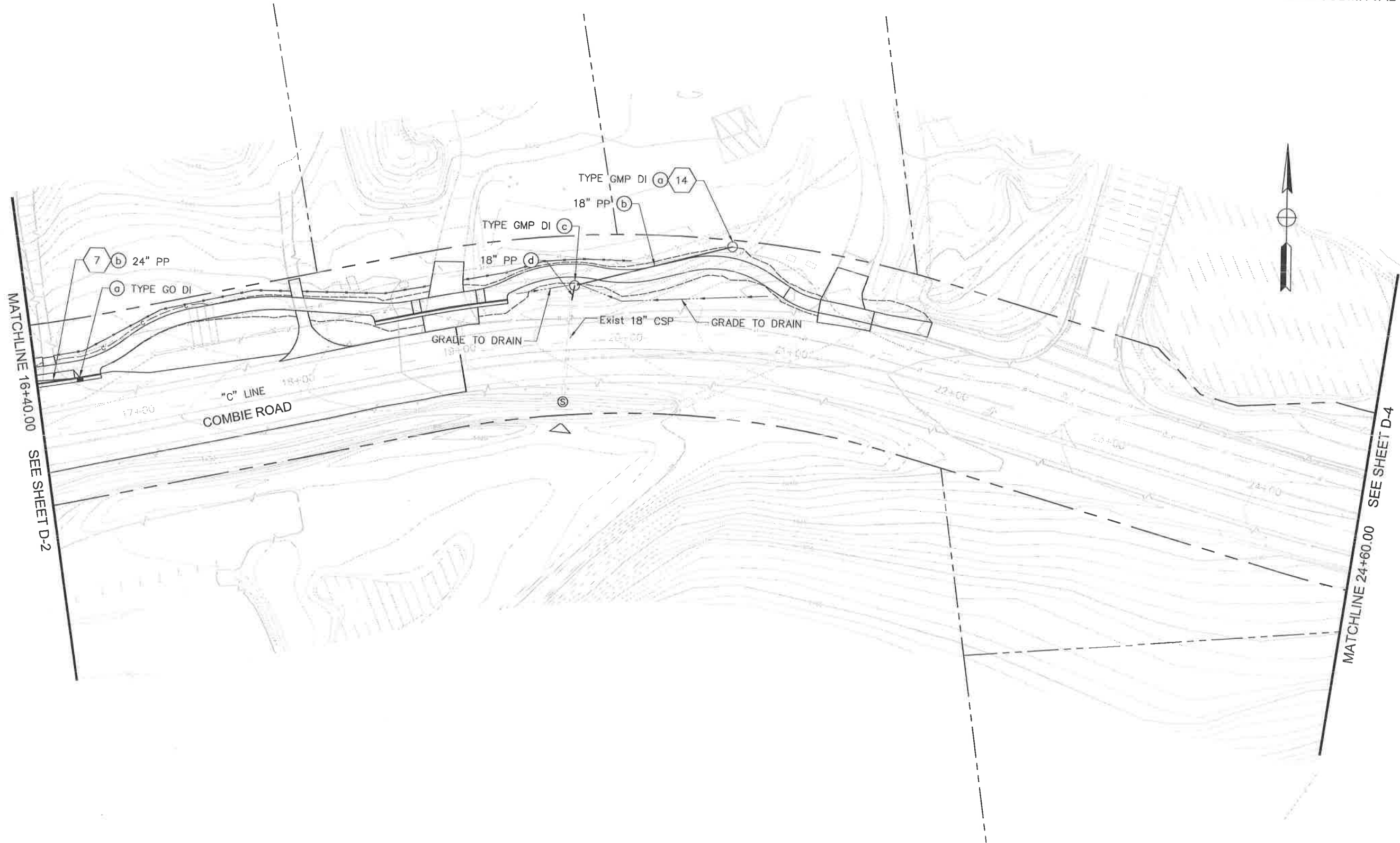
DRAWING: N09-300r2.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Apr 5, 2018

SHEET
 D-2
 41 of 106 SHEETS



SCALE : 1" = 30'

100% SUBMITTAL



MATCHLINE 16+40.00
SEE SHEET D-2

MATCHLINE 24+60.00
SEE SHEET D-4

SCALE : 1" = 30'

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION

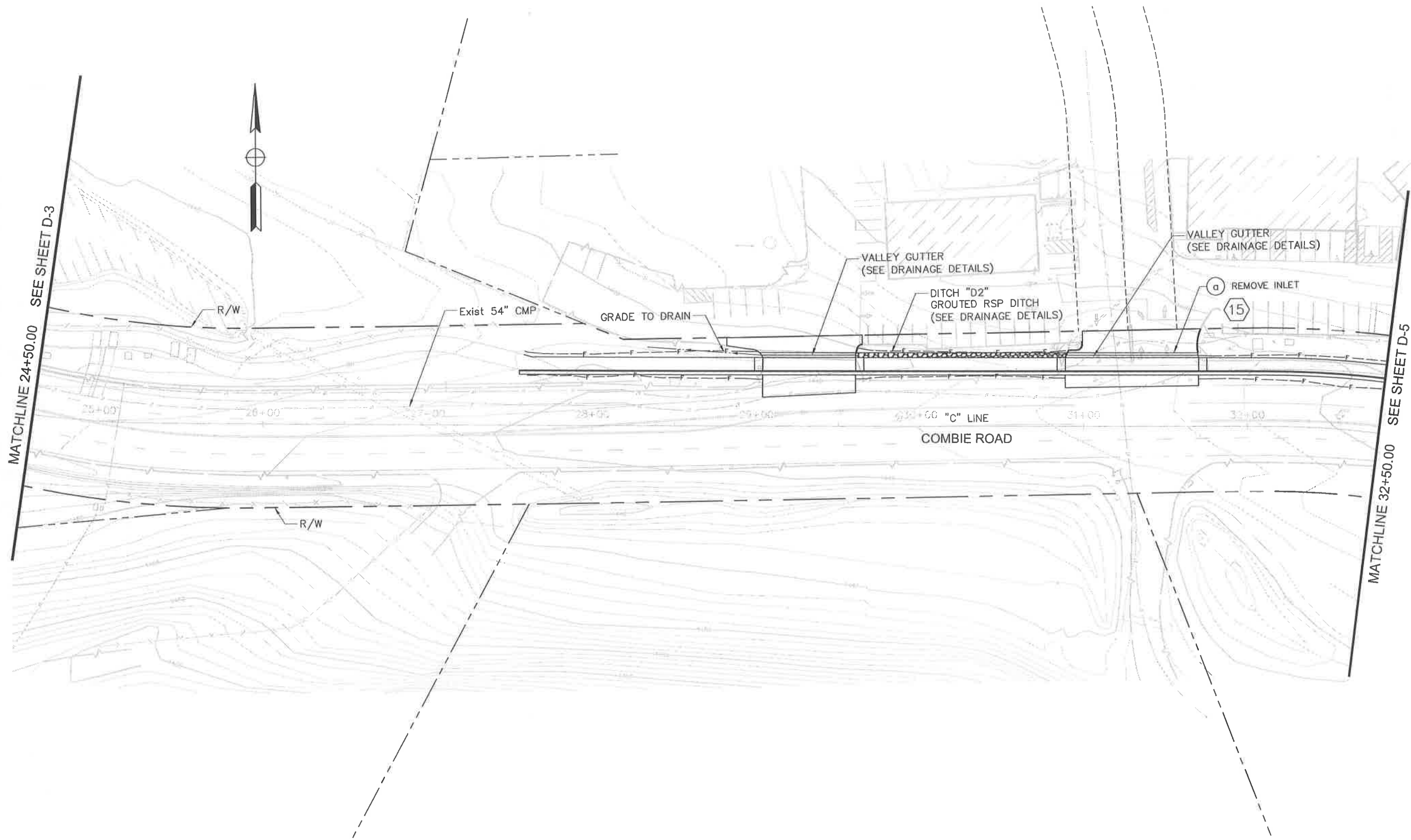


COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
DRAINAGE PLAN

DRAWING: N09-300ra003.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
D-3
42 OF 106 SHEETS

100% SUBMITTAL



MATCHLINE 24+50.00 SEE SHEET D-3

MATCHLINE 32+50.00 SEE SHEET D-5



REVISIONS		
NO.	DESCRIPTION	BY DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



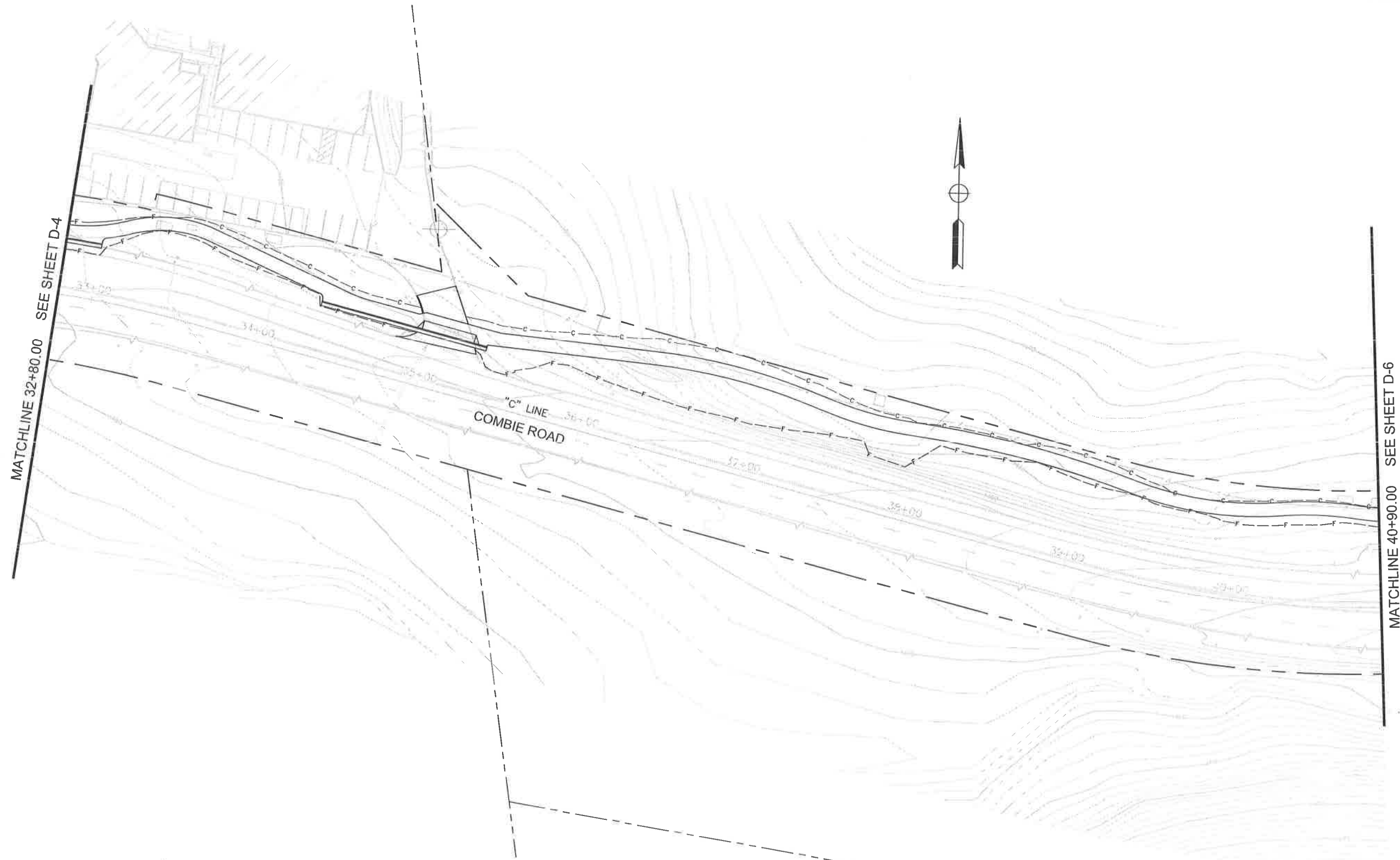
COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 DRAINAGE PLAN

DRAWING:	N09-300i004.dwg
DESIGNED:	MAS
DRAWN:	BG
CHECKED:	JPJ
JOB NO:	N09-300
DATE:	Apr 5, 2018

SCALE : 1" = 30'

SHEET
D-4
 43 OF 106 SHEETS

100% SUBMITTAL



MATCHLINE 32+80.00 SEE SHEET D-4

MATCHLINE 40+90.00 SEE SHEET D-6

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 DRAINAGE PLAN

DRAWING: N09-300.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPU
 JOB NO: N09-300
 DATE: Apr 5, 2018

SCALE : 1" = 30'

SHEET
D-5
 44 OF 106 SHEETS

100% SUBMITTAL



REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
DRAINAGE PLAN

DRAWING: N09-300in06.dwg
DESIGNED: MAS
DRAWN: BC
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SCALE : 1" = 30'

SHEET
D-6
45 of 106 SHEETS

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
DRAINAGE PROFILE

DRAWING: N09-300b001.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018
SHEET

TOTAL
DP-1
46 of 106 SHEETS

100% SUBMITTAL

NOTES:

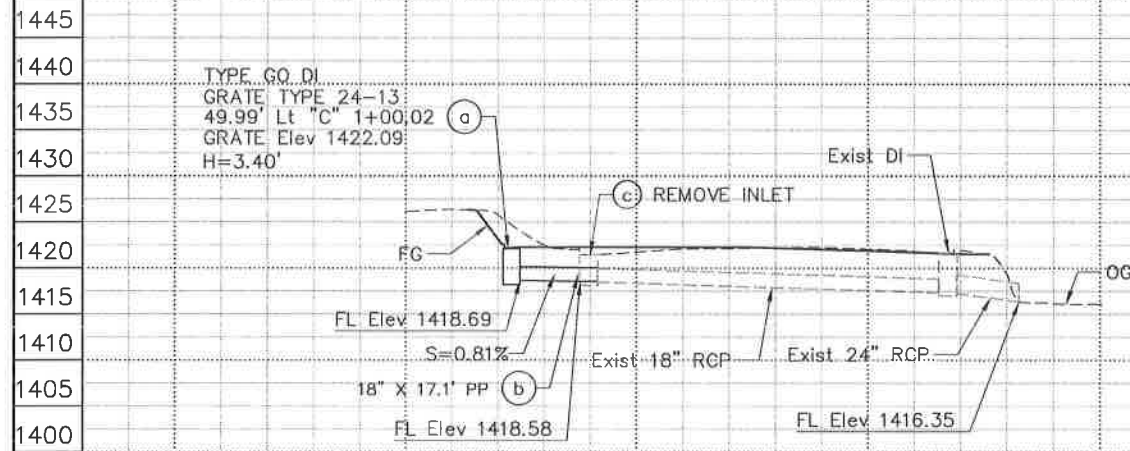
1. THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.
2. CALL OUTS TO DRAINAGE STRUCTURES ARE REFERENCED TO CENTERLINE OF STRUCTURE AT FLOW LINE.
3. FOR UTILITY INFORMATION, SEE UTILITY SHEETS.
4. CONTRACTOR SHALL POSITIVELY DETERMINE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION OF ANY COMPONENT OF ANY DRAINAGE SYSTEM IN ORDER TO VERIFY CONTRACTIBILITY OF THE DRAINAGE SYSTEM AS SHOWN ON PLANS.

ABBREVIATIONS:

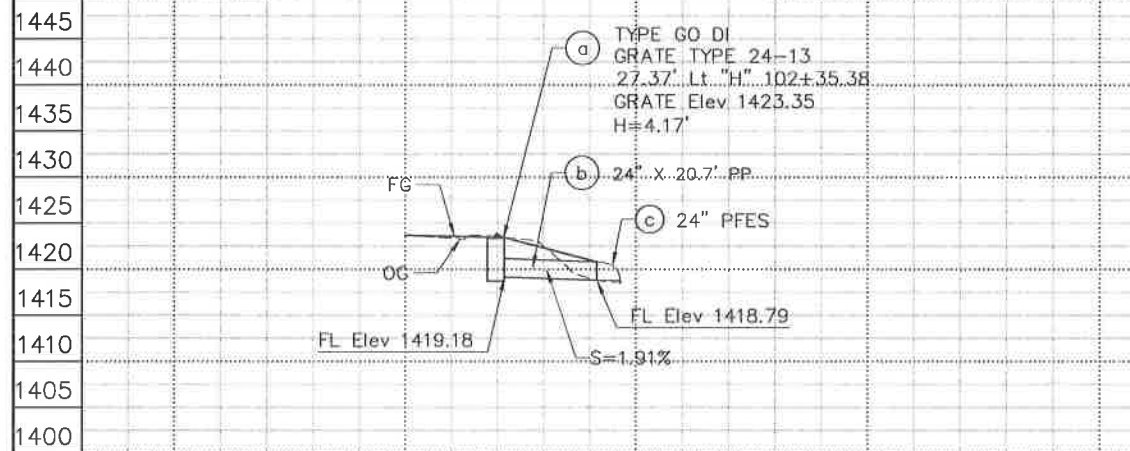
- PP PLASTIC PIPE (HDPE)
PFES PLASTIC FLARED END SECTION (HDPE)

LEGEND:

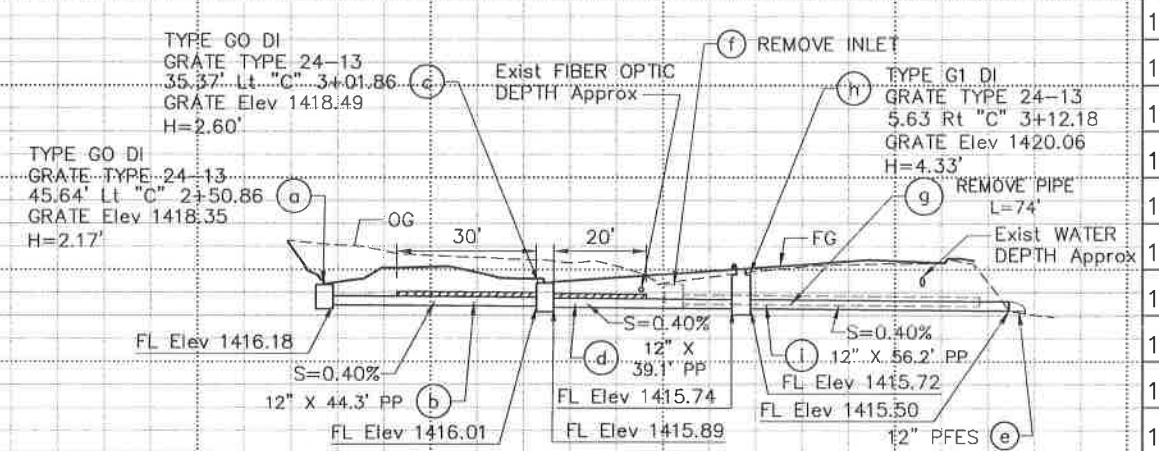
- MINOR CONCRETE (PIPE ENCASEMENT)



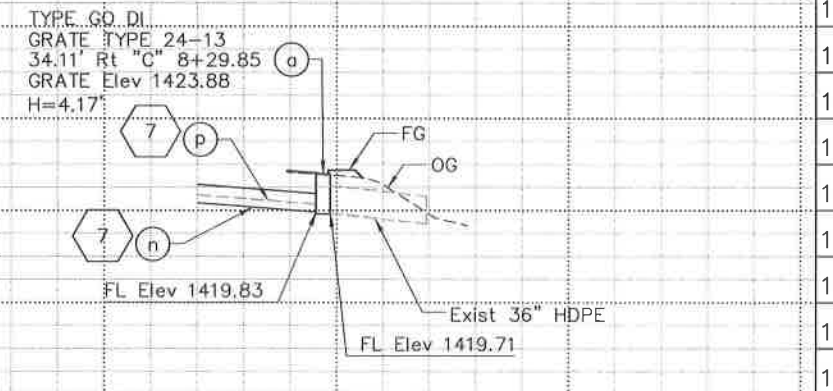
DRAINAGE SYSTEM No. 1



DRAINAGE SYSTEM No. 4



DRAINAGE SYSTEM No. 2



DRAINAGE SYSTEM No. 8

SCALE : Horiz 1" = 20'
Vert 1" = 10'

STATION	Exc	Emb

TOTAL

100% SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE	BY
1445			
1440			
1435			
1430			
1425			
1420			
1415			
1410			
1405			
1400			



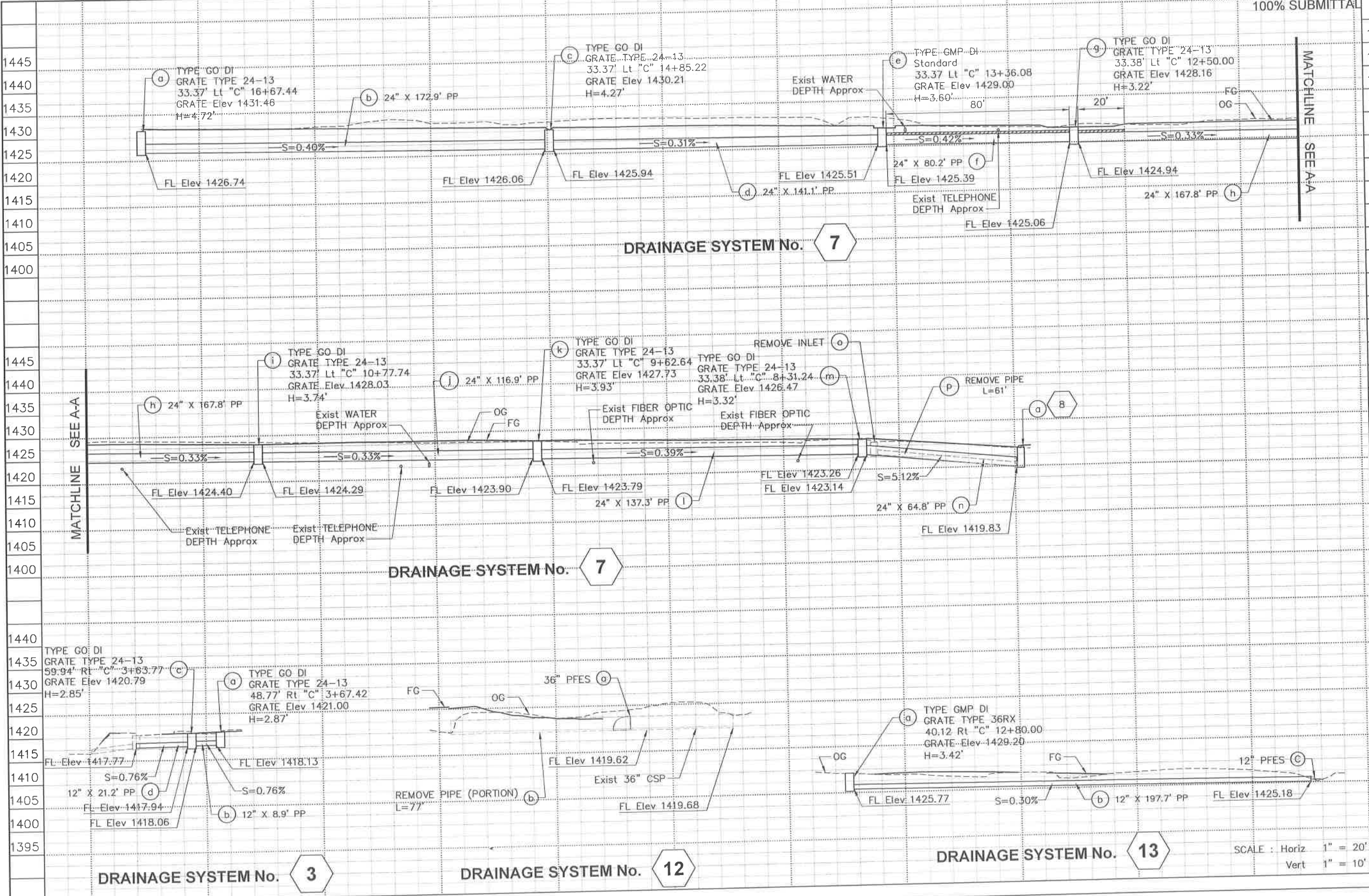
NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
DRAINAGE PROFILE

DRAWING: N09-300b002.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPL
JOB NO: N09-300
DATE: Apr 5, 2018
SHEET

TOTAL DP-2
47 OF 106 SHEETS



SCALE: Horiz 1" = 20'
Vert 1" = 10'

STATION	Exc	Emb
1445		
1440		
1435		
1430		
1425		
1420		
1415		
1410		
1405		
1400		
1395		

100% SUBMITTAL

REVISIONS

NO.	DESCRIPTION	DATE
1480		
1475		
1470		
1465		
1460		
1455		
1450		
1445		
1440		
1435		



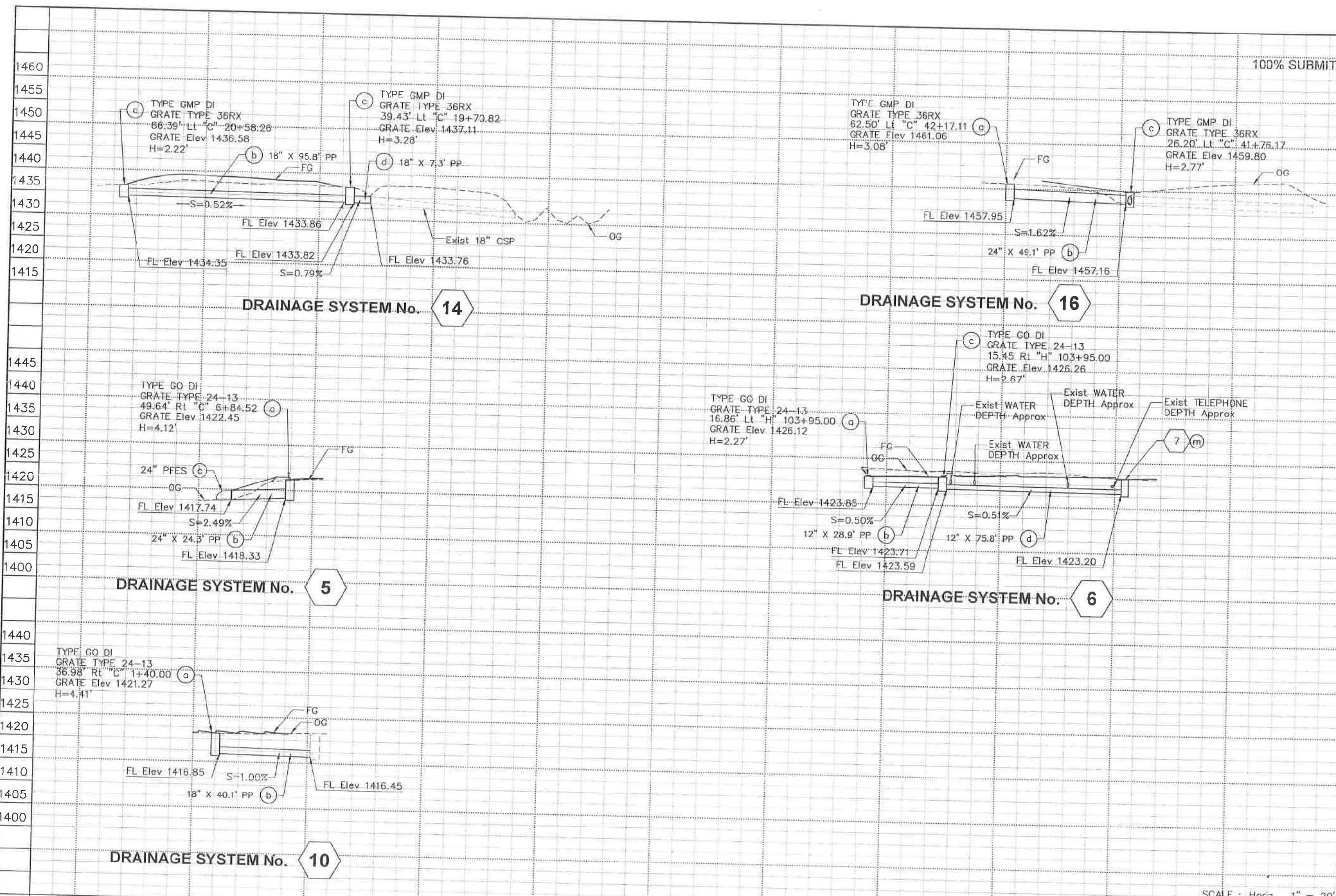
NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 DRAINAGE PROFILE

DRAWING: N09-300b003.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Apr 5, 2018
 SHEET

TOTAL
 DP-3
 48 OF 106 SHEETS



SCALE: Horiz 1" = 20'
 Vert 1" = 10'

STATION	Exc
CY	Emb

100% SUBMITTAL

REVISIONS	
NO.	DESCRIPTION

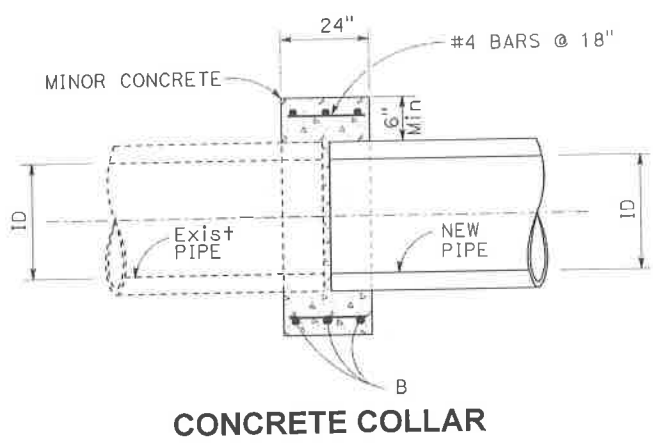
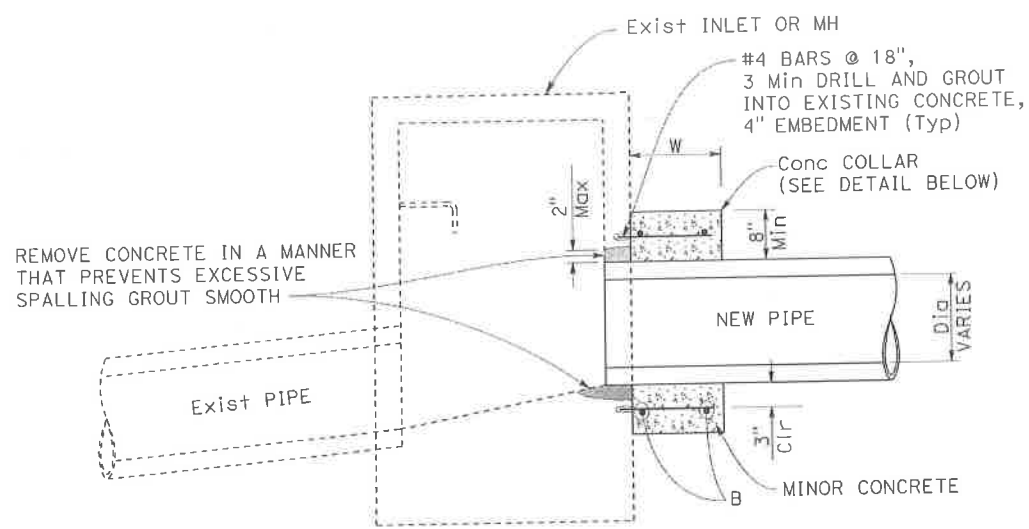
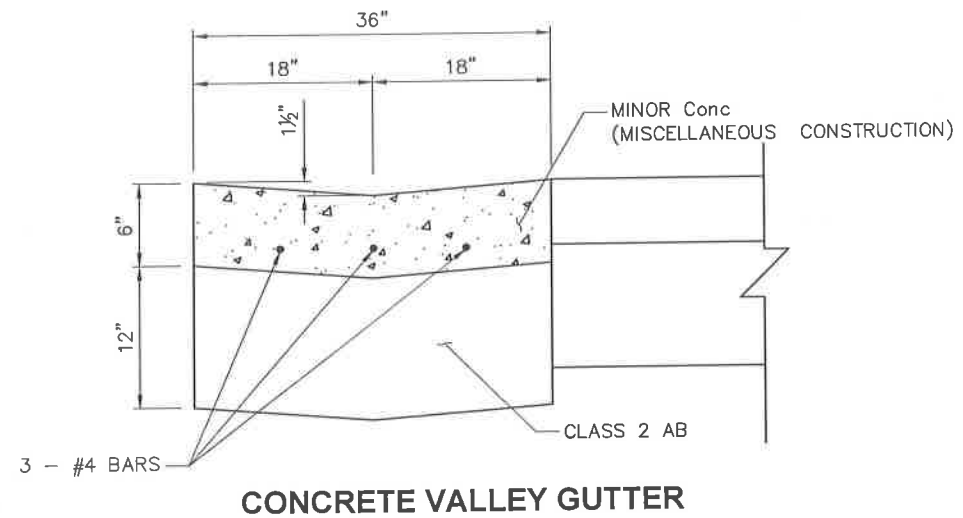


NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION

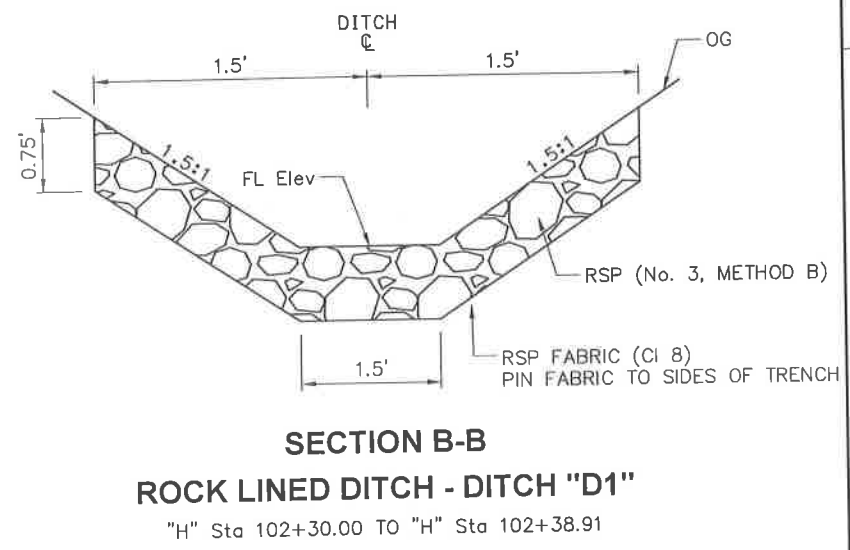
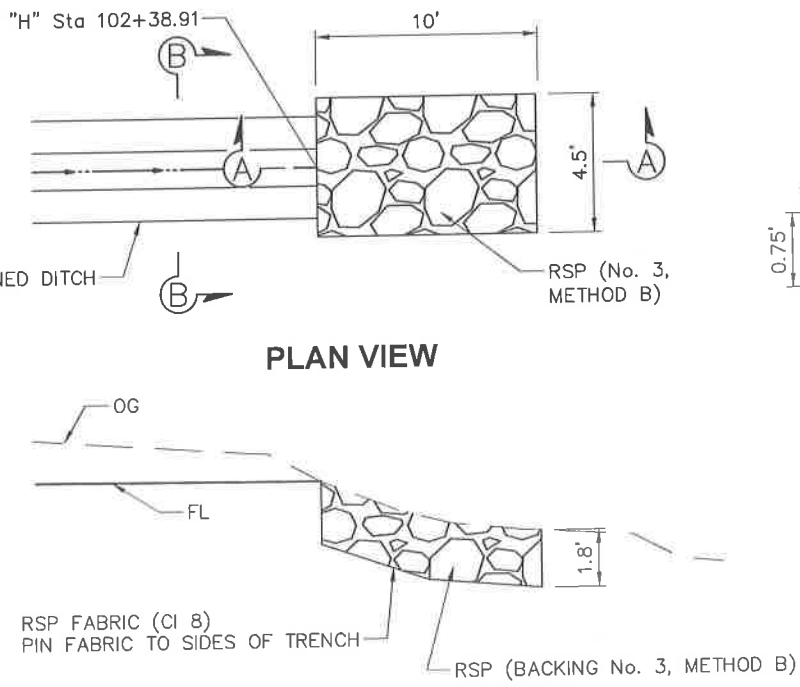
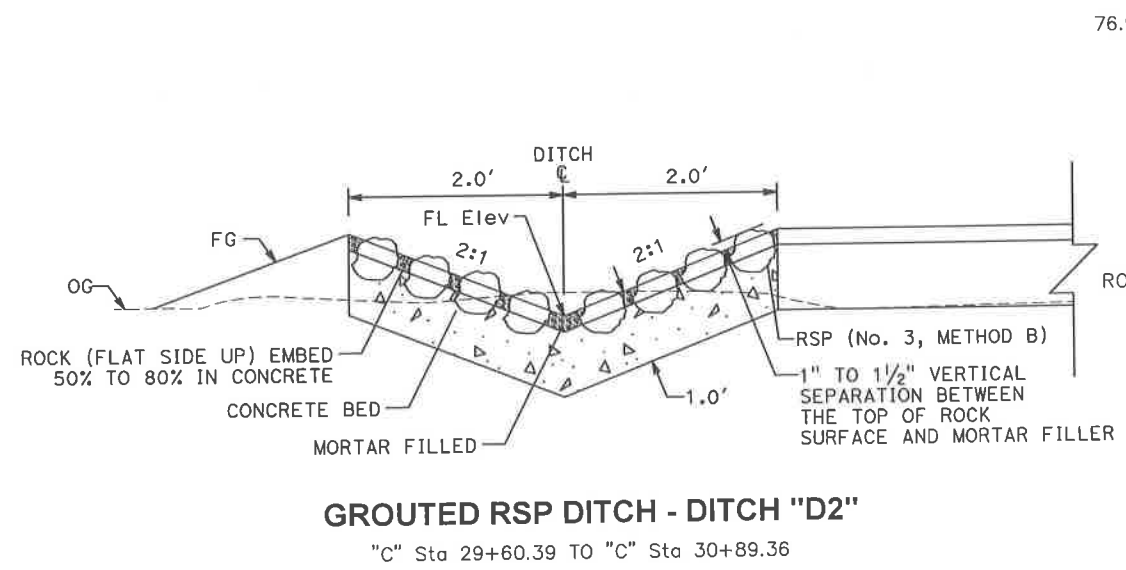
COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
DRAINAGE DETAILS

DRAWING: N09-300c01.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
DD-1
49 of 106 SHEETS



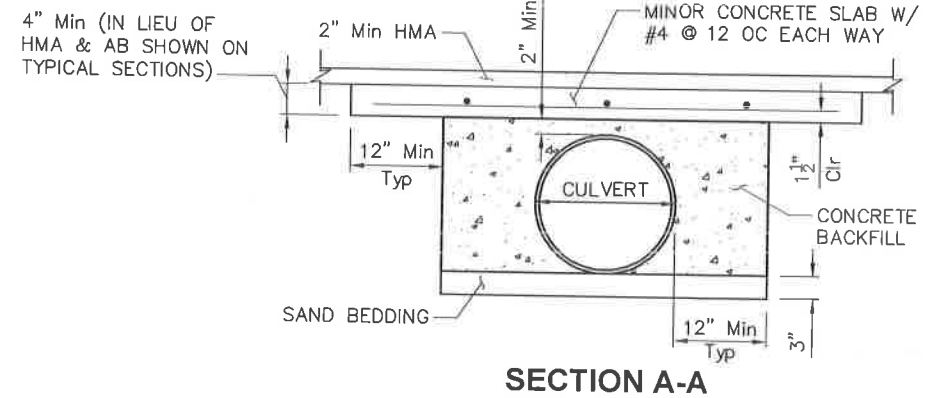
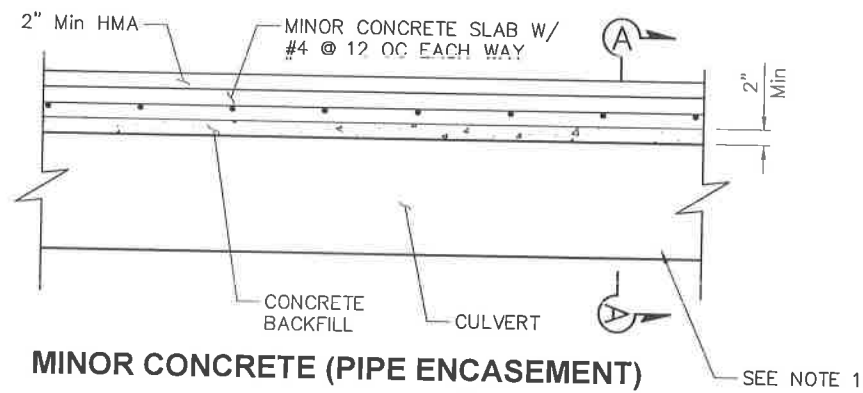
PIPE INSIDE DIAMETER, ID	B	W
UP TO 24"	2-#5 HOOPS	18"
OVER 24"	3-#5 HOOPS	24"



NO SCALE

NOTES:

1. FOR MINOR CONCRETE (PIPE ENCASEMENT), SEE "DRAINAGE PROFILE" SHEETS.



100% SUBMITTAL

REVISIONS

NO.	DESCRIPTION	BY	DATE



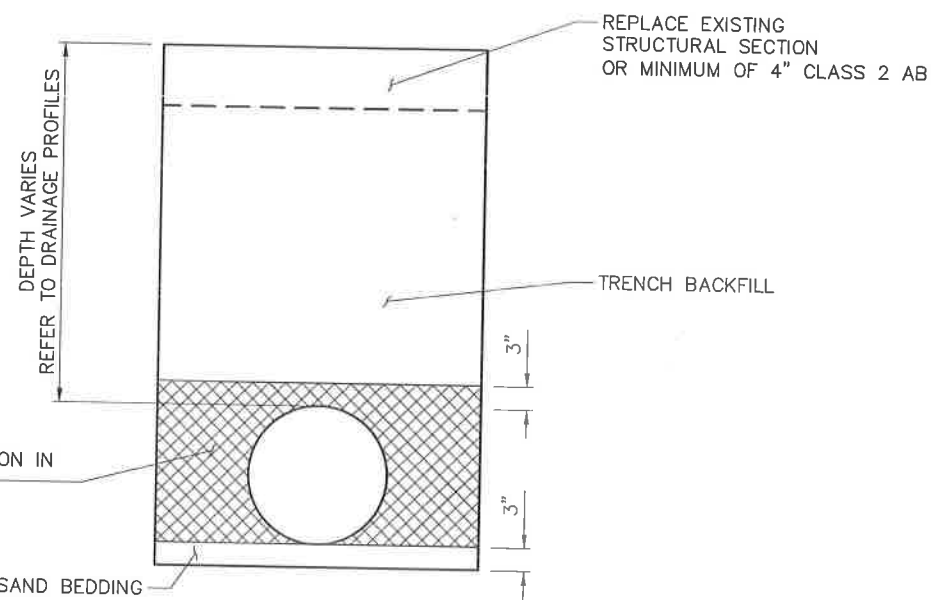
NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



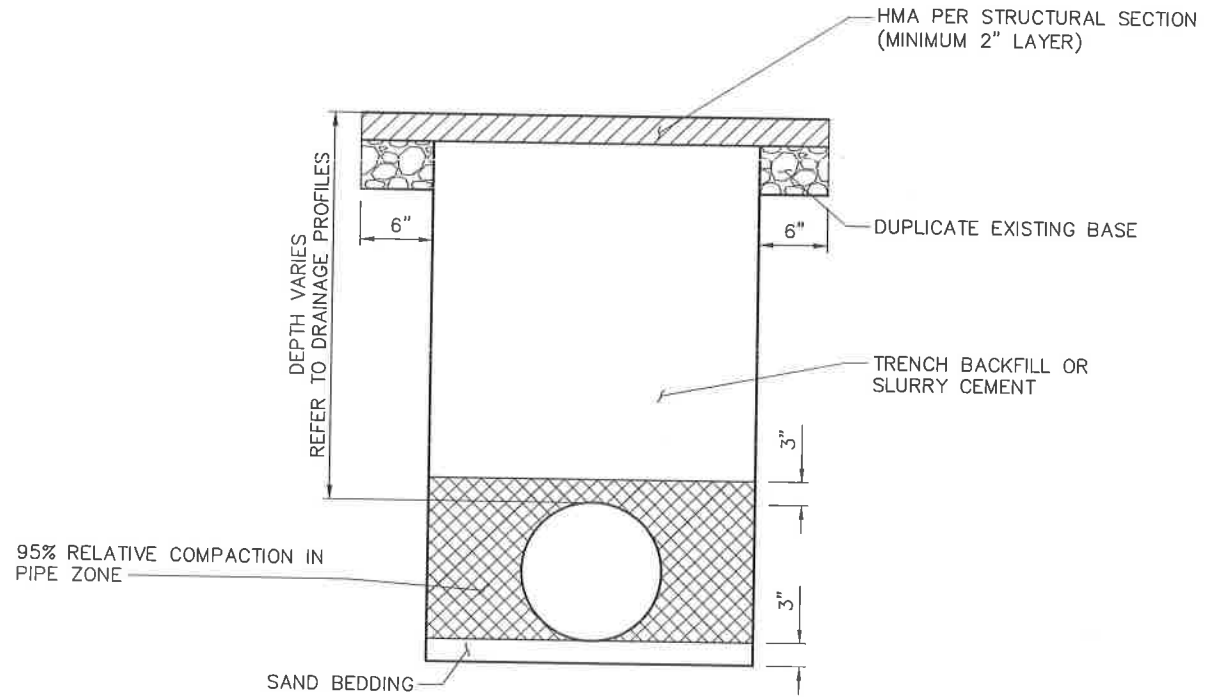
COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
DRAINAGE DETAILS

DRAWING: N09-300vic002.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 6, 2018

SHEET
DD-2
50 OF 106 SHEETS



TYPICAL TRENCH FOR DRAINAGE PIPE UNDER EXISTING DRIVEWAY OR NATURAL GROUND



TYPICAL TRENCH FOR DRAINAGE PIPE THROUGH PAVEMENT

NO SCALE

DRAINAGE QUANTITIES

DRAINAGE PLAN SHEET	DRAINAGE SYSTEM	DRAINAGE UNIT No.	LINE	STATION	OFFSET	MISCELLANEOUS IRON AND STEEL	HEIGHT OF INLET "H" (N)	MINOR CONCRETE (MINOR STRUCTURE)	12" PLASTIC PIPE (HDPE)	18" PLASTIC PIPE (HDPE)	24" PLASTIC PIPE (HDPE)	12" PLASTIC FLARED END SECTION (HDPE)	24" PLASTIC FLARED END SECTION (HDPE)	36" STEEL FLARED END SECTION	36" CORRUGATED STEEL PIPE INLET (.064" THICK)	MINOR CONCRETE (PIPE ENCASEMENT)	CONCRETE BACKFILL	REMOVE PIPE	REMOVE INLET	GROUTED RSP DITCH	ROCK SLOPE PROTECTION (BACKING NO.3, METHOD B)	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	DESCRIPTION
					Lt	LB	LF	CY	LF	LF	LF	EA	EA	EA	LF	CY	CY	LF	EA	LF	CY	SOYD	
D-1	1	a	"C"	1+00.02	Lt	188	1.14																TYPE GO DI
		b								17.1									1				REMOVE INLET
		c																					TYPE GO DI
D-1	2	a	"C"	2+50.86	Lt	188	0.99		44.3						1.9	3.0							TYPE GO DI
		b																					TYPE GO DI
		c	"C"	3+01.86	Lt	188	1.06		39.1						1.2	2.0							12" PFES
		d										1											REMOVE INLET
		e																		74.0	1		REMOVE PIPE, L=74'
		f																					TYPE G1 DI
		g																					
		h	"C"	3+12.18	Rt	188	1.20		56.2														TYPE GO DI
		i																					
D-1	3	a	"C"	3+67.42	Rt	188	1.23		8.9														TYPE GO DI
		b																					TYPE GO DI
		c	"C"	3+63.77	Rt	188	1.22		21.2														TYPE GO DI
		d																					TYPE GO DI
D-1	4	a	"H"	102+35.38	Lt	188	1.55				20.7												24" PFES
		b											1										TYPE GO DI
		c																					TYPE GO DI
D-1	5	a	"C"	6+84.52	Rt	188	1.53				24.3												24" PFES
		b											1										TYPE GO DI
		c																					TYPE GO DI
D-1	6	a	"H"	103+91.21	Lt	188	1.08		28.9														TYPE GO DI
		b																					TYPE GO DI
		c	"H"	103+90.86	Rt	188	1.18		75.8														TYPE GO DI
D-1		d																					TYPE GO DI
SUBTOTAL						1880		12.18	274.4	17.1	45.0	1	2		3.1	5.0	74.0		2				

(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
DRAINAGE QUANTITIES

DRAWING: N09-3004001.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
DQ-1
51 OF 106 SHEETS

DRAINAGE QUANTITIES

DRAINAGE PLAN SHEET	DRAINAGE SYSTEM	DRAINAGE UNIT No.	LINE	STATION	OFFSET	MISCELLANEOUS IRON AND STEEL	HEIGHT OF INLET "H" (N)	MINOR CONCRETE (MINOR STRUCTURE)	12" PLASTIC PIPE (HDPE)	18" PLASTIC PIPE (HDPE)	24" PLASTIC PIPE (HDPE)	12" PLASTIC FLARED END SECTION (HDPE)	24" PLASTIC FLARED END SECTION (HDPE)	36" STEEL FLARED END SECTION	36" CORRUGATED STEEL PIPE INLET (.064" THICK)	MINOR CONCRETE (PIPE ENCASUREMENT)	CONCRETE BACKFILL	REMOVE PIPE	REMOVE INLET	GROUTED RSP DITCH	ROCK SLOPE PROTECTION (BACKING NO.3, METHOD B)	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	DESCRIPTION
D-3	7	a	"C"	16+67.44	Lt	188		1.68															
		b									172.9												TYPE GO DI
		c	"C"	14+85.22	Lt	188		1.57															TYPE GO DI
		d									141.1												TYPE GO DI
		e	"C"	13+36.08	Lt	188		1.41															TYPE GO DI
		f									80.2					5.9	16.4						TYPE GO DI
		g	"C"	12+50.00	Lt	188		1.31								1.5	4.1						TYPE GO DI
		h									167.8												TYPE GO DI
		i	"C"	10+77.74	Lt	188		1.44															TYPE GO DI
		j									116.9												TYPE GO DI
		k	"C"	9+62.64	Lt	188		1.49															TYPE GO DI
		l									137.3												TYPE GO DI
		m	"C"	8+31.24	Lt	188		1.34															TYPE GO DI
		n									64.8												TYPE GO DI
		o																					TYPE GO DI
		p																					TYPE GO DI
D-2	8	a	"C"	8+29.85	Rt	188		1.55										61	1				REMOVE INLET REMOVE PIPE, L=61'
D-2	9	a																40					REMOVE PIPE, L=40'
D-1	10	a	"C"	1+40.00	Rt	188		1.61															TYPE GO DI
		b							40.1														TYPE GO DI
D-2	12	a												1									REMOVE PIPE, L=77'
		b																77					REMOVE PIPE, L=77'
D-2	13	a	"C"	12+80.00	Rt	215	3.4	1.36							3.9								TYPE GMP DI
		b							197.7														TYPE GMP DI
		c										1											12" PFES REMOVE PIPE, L=30'
D-2		d																30					REMOVE PIPE, L=30'
SUBTOTAL						1907		14.76	197.7	40.1	881.0	1		1	3.9	7.4	20.5	208	1				

(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
DRAINAGE QUANTITIES

DRAWING: N09-300i002.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

DRAINAGE QUANTITIES

DRAINAGE PLAN SHEET	DRAINAGE SYSTEM	DRAINAGE UNIT No.	LINE	STATION	OFFSET	MISCELLANEOUS IRON AND STEEL	HEIGHT OF INLET "H" (N)	MINOR CONCRETE (MINOR STRUCTURE)	12" PLASTIC PIPE (HDPE)	18" PLASTIC PIPE (HDPE)	24" PLASTIC PIPE (HDPE)	12" PLASTIC FLARED END SECTION (HDPE)	24" PLASTIC FLARED END SECTION (HDPE)	36" STEEL FLARED END SECTION	36" CORRUGATED STEEL PIPE INLET (.064" THICK)	MINOR CONCRETE (PIPE ENCASEMENT)	CONCRETE BACKFILL	REMOVE PIPE	REMOVE INLET	GROUTED RSP DITCH	ROCK SLOPE PROTECTION (BACKING NO.3, METHOD B)	ROCK SLOPE PROTECTION FABRIC (CLASS B)	DESCRIPTION	
						LB	LF	CY	LF	LF	LF	EA	EA	EA	LF	CY	CY	LF	EA	LF	CY	SQYD		
D-3	14	a				215	2.2								2.7								TYPE GMP DI	
		b								95.8													TYPE GMP DI	
		c				215	3.3								3.8								TYPE GMP DI	
		d								7.3														
D-4	15	a																	1				REMOVE INLET	
D-6	16	a				215	3.1								3.6								TYPE GMP DI	
		b								49.1													TYPE GMP DI	
		c				215	2.8								3.3								TYPE GMP DI	
																					8.3	45	DITCH "D1"	
																				130			DITCH "D2"	
SUBTOTAL FROM SHEET DQ-3						860				103.1	49.1				13.4				1	130	8.3	45		
SUBTOTAL FROM SHEET DQ-1						1880		12.18	274.4	17.1	45.0	1	2			3.1	5.0	74	2					
SUBTOTAL FROM SHEET DQ-2						1907		14.76	197.7	40.1	881.0	1		1		3.9	7.4	20.5	208	1				
TOTAL						4647		26.94	472.1	160.3	975.1	2	2	1	17.3	10.5	25.5	282	4	130	8.3	45		

(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 DRAINAGE QUANTITIES

DRAWING: N09-300r003.dwg
 DESIGNED: MAS
 DRAWN: BC
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Apr 5, 2018

SHEET
 DQ-3
 53 OF 106 SHEETS

NOTES:

1. LOCATIONS OF UTILITY FACILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
2. THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY.
3. FOR COMPLETE RIGHT OF WAY DATA, SEE RIGHT OF WAY RECORD MAPS AT COUNTY OFFICE.
4. JOINT TRENCH IMPROVEMENTS ARE PLANNED FOR CONSTRUCTION PRIOR TO THIS PROJECT. OBTAIN FINAL JOINT TRENCH AS-BUILT PLANS, AT COUNTY OFFICE.

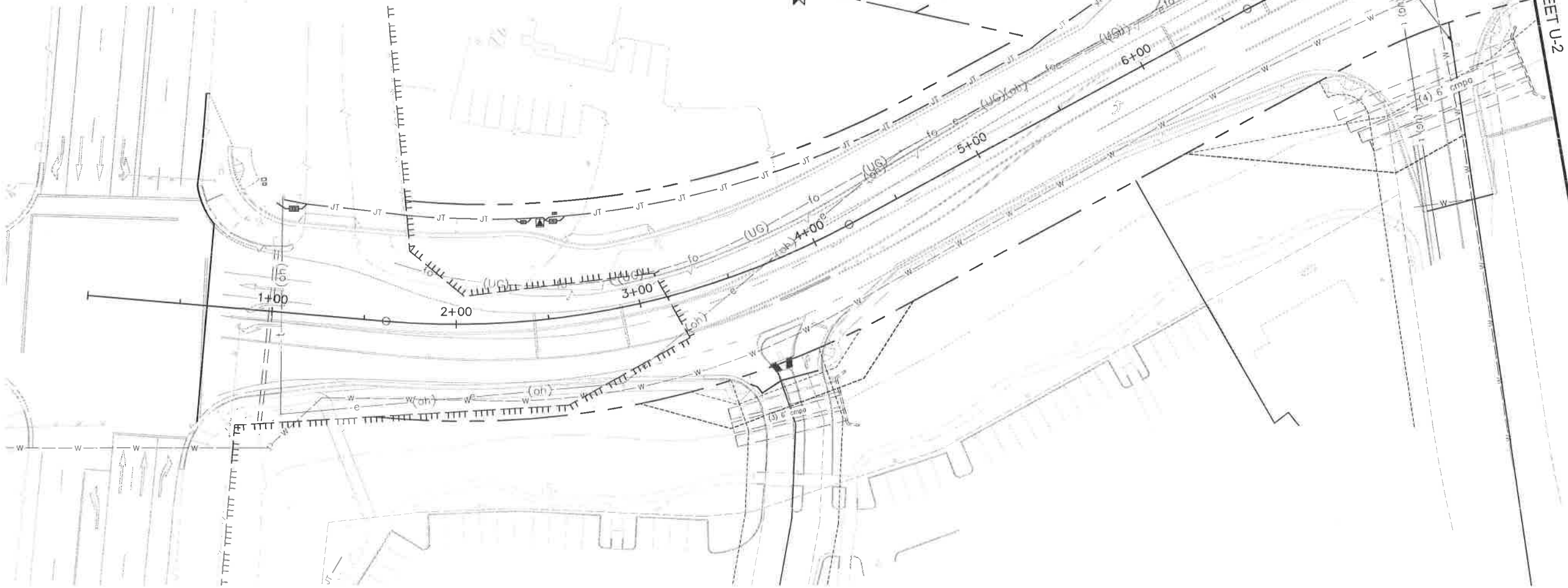
100% SUBMITTAL

LEGEND:

- fo— (UG) EXISTING FIBER OPTIC
- e— (oh) EXISTING PG&E OVERHEAD ELECTRICAL
- t— (oh) EXISTING PG&E OVERHEAD TELEPHONE
- (ug) t— EXISTING PG&E UNDERGROUND TELEPHONE
- w— w— EXISTING WATER
- s— EXISTING SANITARY SEWER
- jt— jt— EXISTING PG&E JOINT TRENCH
- JT— JT— JT— JOINT TRENCH (SEE NOTE 4)

UTILITY OWNERSHIP:

- GAS - PG&E
- ELECTRICAL - PG&E
- WATER - NEVADA IRRIGATION DISTRICT
- SEWER
- STORM DRAIN
- TELECOMMUNICATION - SUDENLINK
- TELEPHONE - AT&T



REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



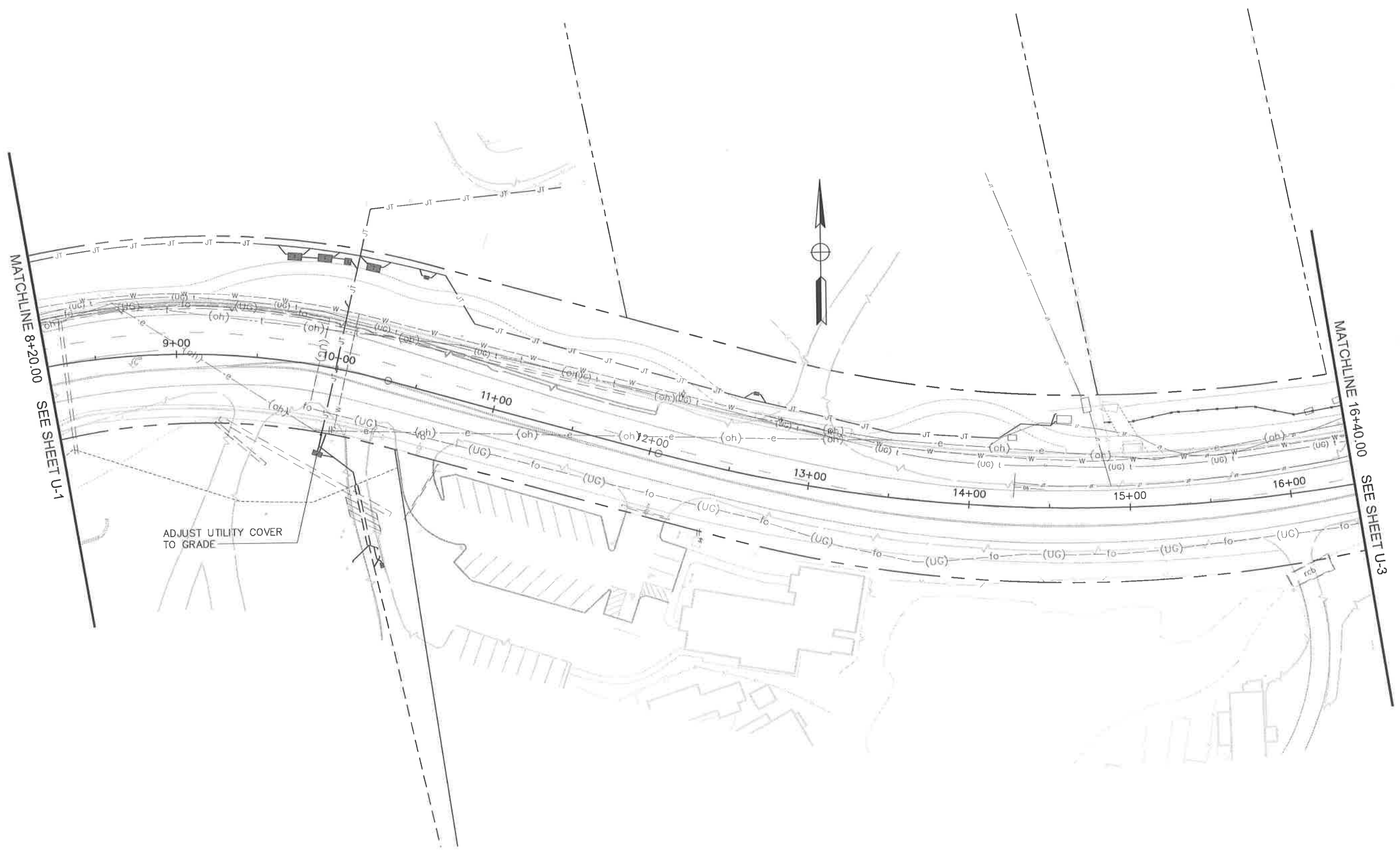
COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
UTILITY PLAN

DRAWING: N09-300ra001.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SCALE : 1" = 30'

SHEET
U-1
54 of 106 SHEETS

100% SUBMITTAL



REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



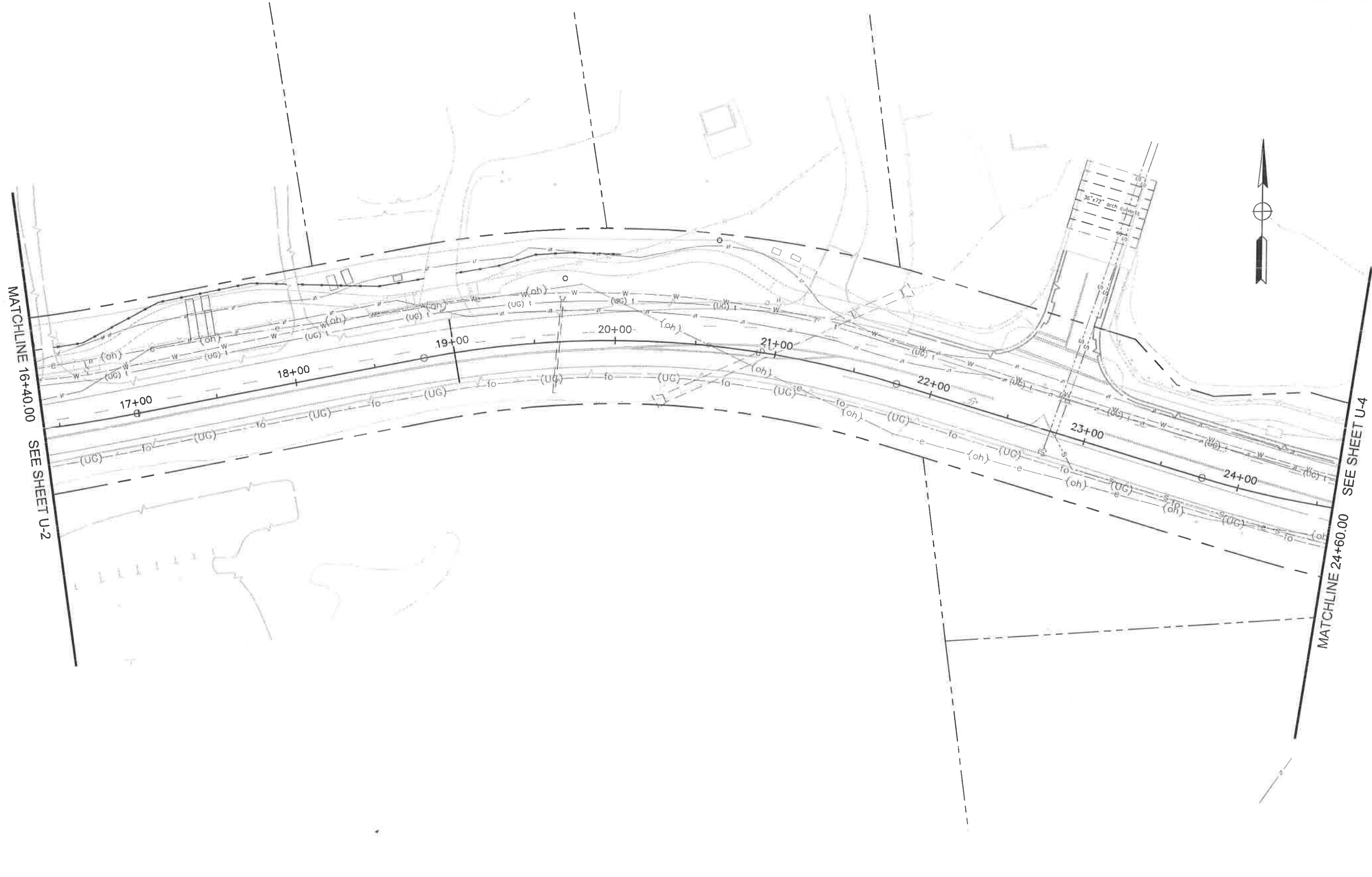
COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
UTILITY PLAN

DRAWING: N09-300k002.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

Scale : 1" = 30'

SHEET
U-2
55 of 106 SHEETS

100% SUBMITTAL



MATCHLINE 16+40.00 SEE SHEET U-2

MATCHLINE 24+60.00 SEE SHEET U-4

SCALE : 1" = 30'

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION

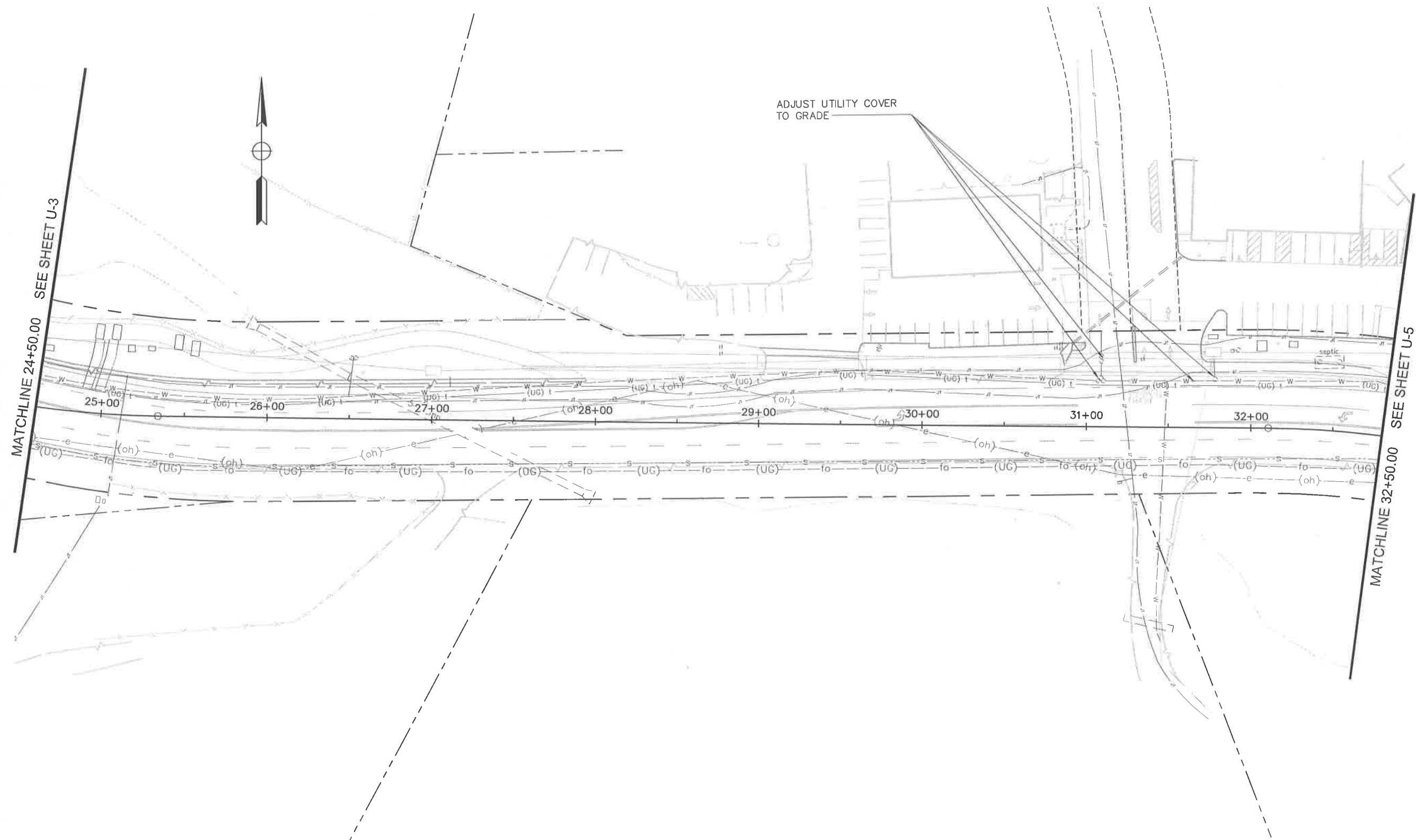


COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 UTILITY PLAN

DRAWING: N09-300h003.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Apr 5, 2018

SHEET
U-3
 56 OF 106 SHEETS

100% SUBMITTAL



REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 UTILITY PLAN

DRAWING: N09-300.rvt.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Apr 5, 2018

SHEET
 U-4
 57 of 106 SHEETS

SCALE : 1" = 30'

100% SUBMITTAL



REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 UTILITY PLAN

DRAWING: N09-300a005.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Apr 5, 2018

SCALE : 1" = 30'

SHEET
 U-5
 58 of 106 SHEETS

100% SUBMITTAL

MATCHLINE 40+90.00 SEE SHEET U-5



SCALE : 1" = 30'

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
UTILITY PLAN






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DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

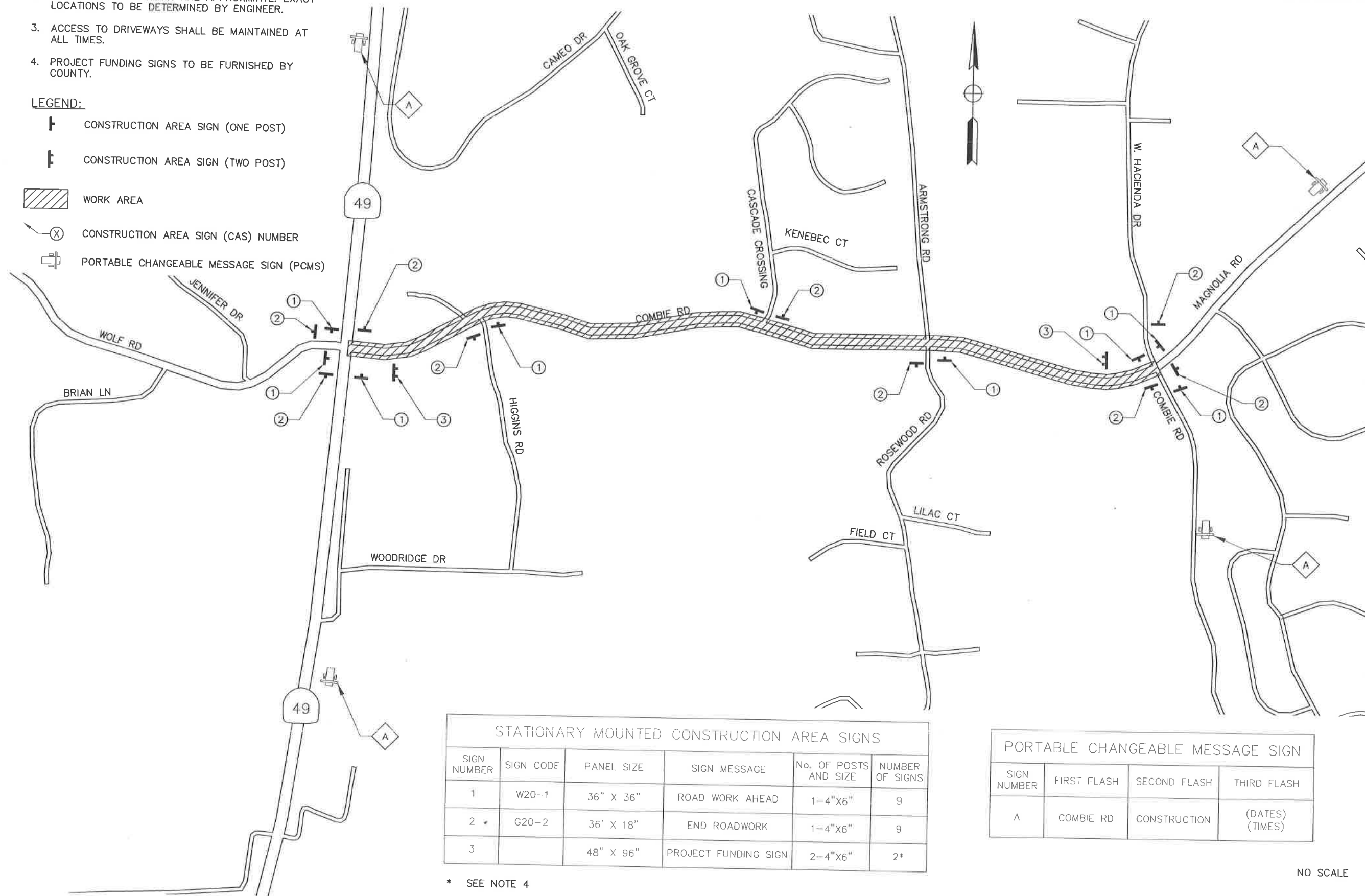
SHEET
U-6
59 of 106 SHEETS

NOTES:

1. THIS PLAN ACCURATE FOR DETOUR LAYOUT ONLY.
2. SIGN LOCATIONS SHOWN ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER.
3. ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.
4. PROJECT FUNDING SIGNS TO BE FURNISHED BY COUNTY.

LEGEND:

-  CONSTRUCTION AREA SIGN (ONE POST)
-  CONSTRUCTION AREA SIGN (TWO POST)
-  WORK AREA
-  CONSTRUCTION AREA SIGN (CAS) NUMBER
-  PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)



100% SUBMITTAL

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS					
SIGN NUMBER	SIGN CODE	PANEL SIZE	SIGN MESSAGE	No. OF POSTS AND SIZE	NUMBER OF SIGNS
1	W20-1	36" X 36"	ROAD WORK AHEAD	1-4"x6"	9
2	G20-2	36' X 18"	END ROADWORK	1-4"x6"	9
3		48" X 96"	PROJECT FUNDING SIGN	2-4"x6"	2*

* SEE NOTE 4

PORTABLE CHANGEABLE MESSAGE SIGN			
SIGN NUMBER	FIRST FLASH	SECOND FLASH	THIRD FLASH
A	COMBIE RD	CONSTRUCTION	(DATES) (TIMES)

NO SCALE

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
CONSTRUCTION AREA SIGNS

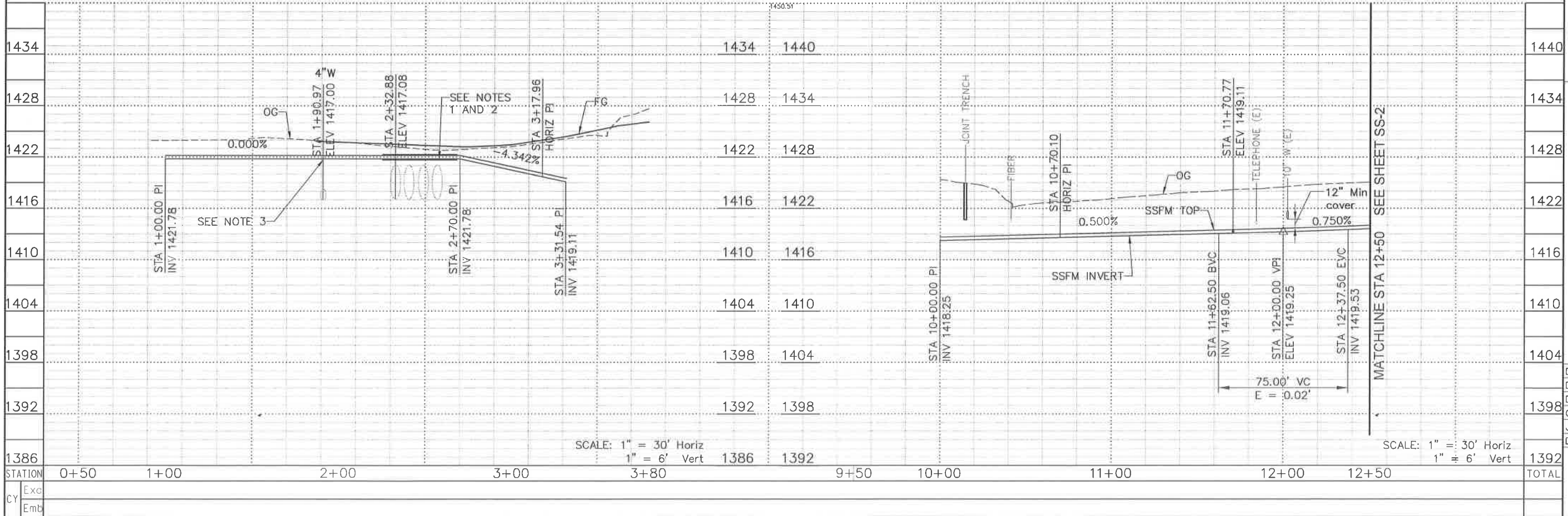
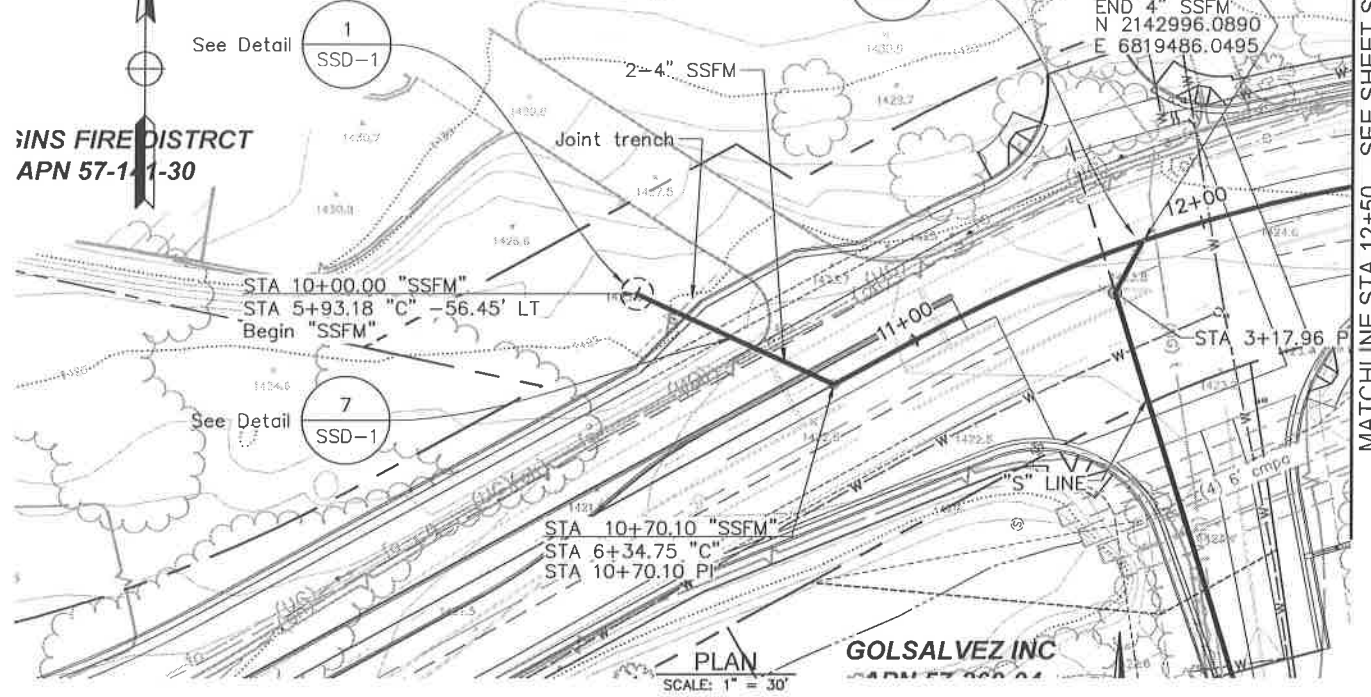
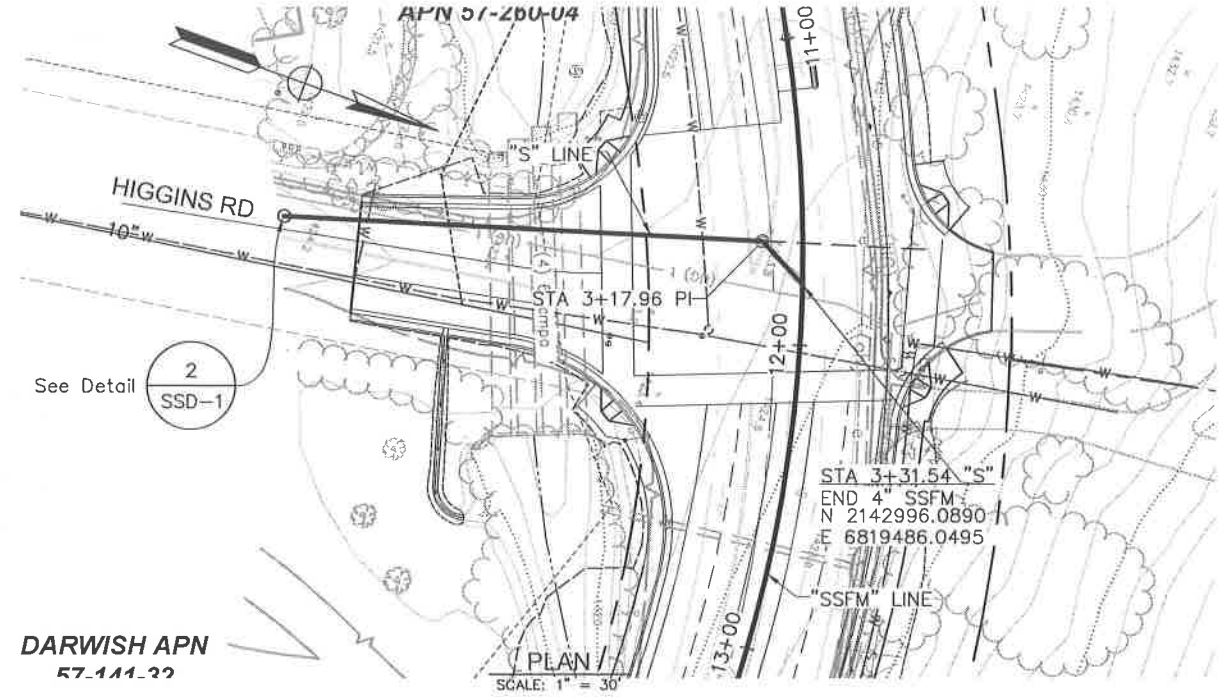
DRAWING: N09-300tbl.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPU
JOB NO: N09-300
DATE: Apr 5, 2018

NOTES:

1. FORCE MAIN CROSSING CULVERTS, AND ALL AREAS WITH LESS THAN 36" COVER, SHALL HAVE 6" SAND BEDDING AND SLURRY BACKFILL.
2. CONTRACTOR TO CONFIRM TOP OF CULVERTS ELEVATION. PLACE PVC SSFM IN STEEL CASING (6" OR 8") OVER CULVERTS. EXTEND CASING 2 FEET BEYOND CULVERTS, NORTH AND SOUTH.
3. SEWER CROSSING WATERLINE SHALL NOT HAVE JOINTS LOCATED LESS THAN 10 FEET EACH SIDE OF WATERLINE, PER STATE GUIDELINES.

ABBREVIATIONS:

- HDD - HORIZONTAL DIRECTIONAL DRILLING
- SSFM - SANITARY SEWER FORCE MAIN
- NCS D1 - NEVADA COUNTY SANITATION DISTRICT #1
- (E) - EXISTING



NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
SEWER PLAN AND PROFILE
STA BEGIN TO STA 12+50

DRAWING: N09-3001c007.dwg
DESIGNED: LS
DRAWN: DCP
CHECKED: DTK
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
SS-1
61 OF 106 SHEETS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
SEWER PLAN AND PROFILE
STA 12+50 TO STA 20+50

DRAWING: N09-300a008.dwg
DESIGNED: LS
DRAWN: DCP
CHECKED: DTK
JOB NO: N09-300
DATE: Apr 5, 2018

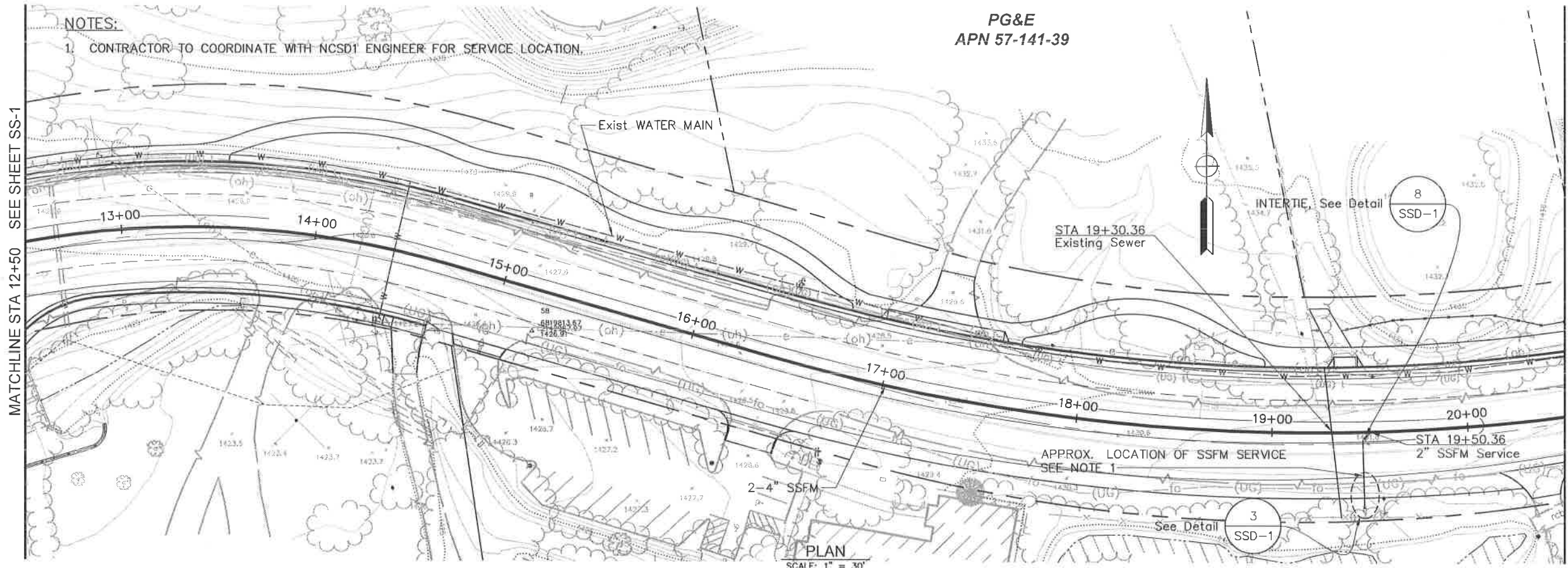
SHEET
SS--2
62 of 106 SHEETS

NOTES:
1. CONTRACTOR TO COORDINATE WITH NCS01 ENGINEER FOR SERVICE LOCATION.

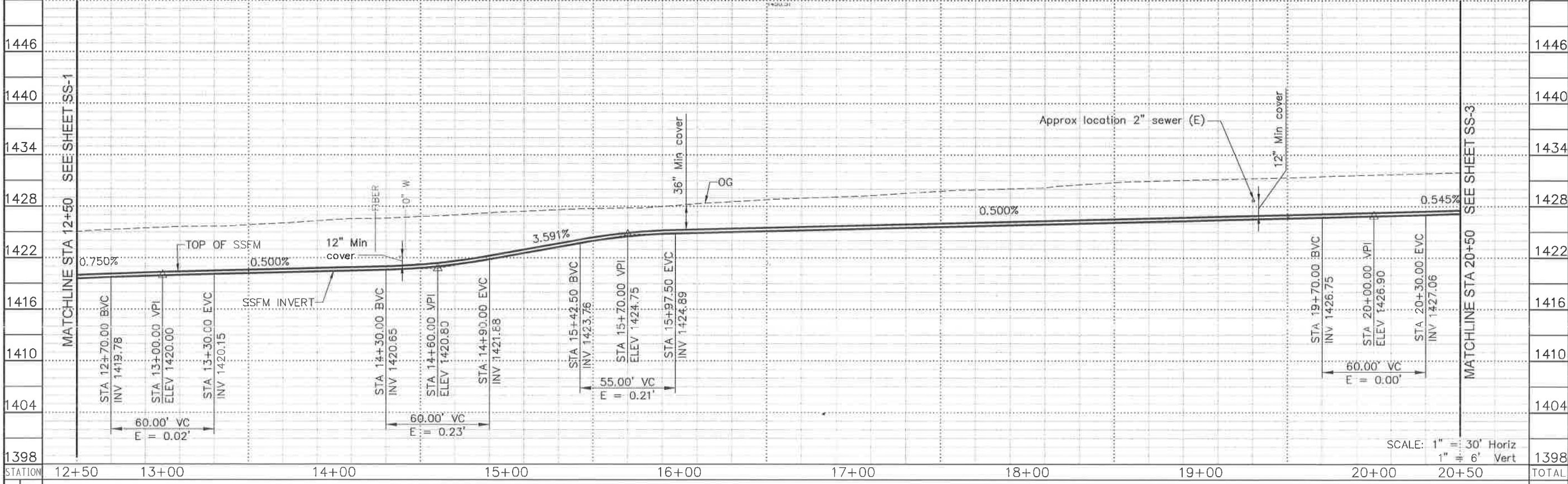
PG&E
APN 57-141-39

MATCHLINE STA 12+50 SEE SHEET SS-1

MATCHLINE STA 20+50 SEE SHEET SS-3

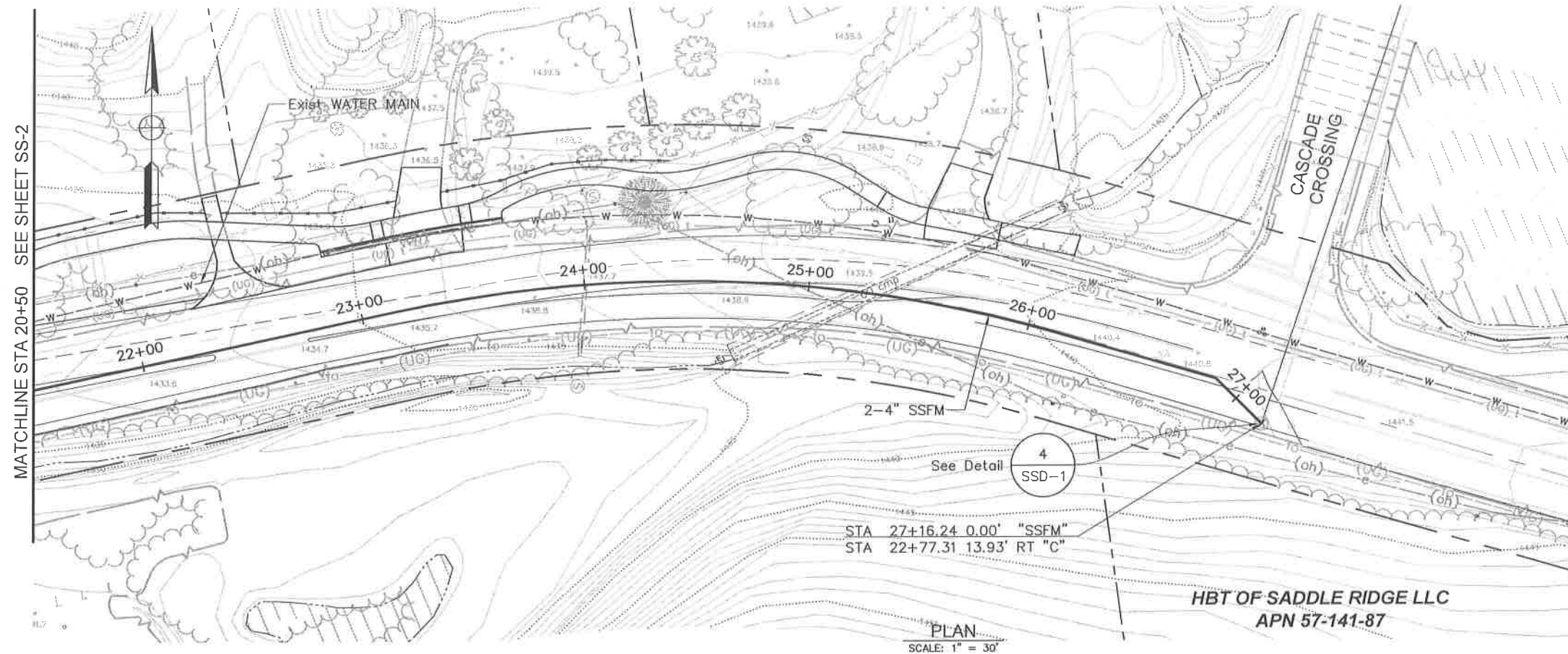


PLAN
SCALE: 1" = 30'



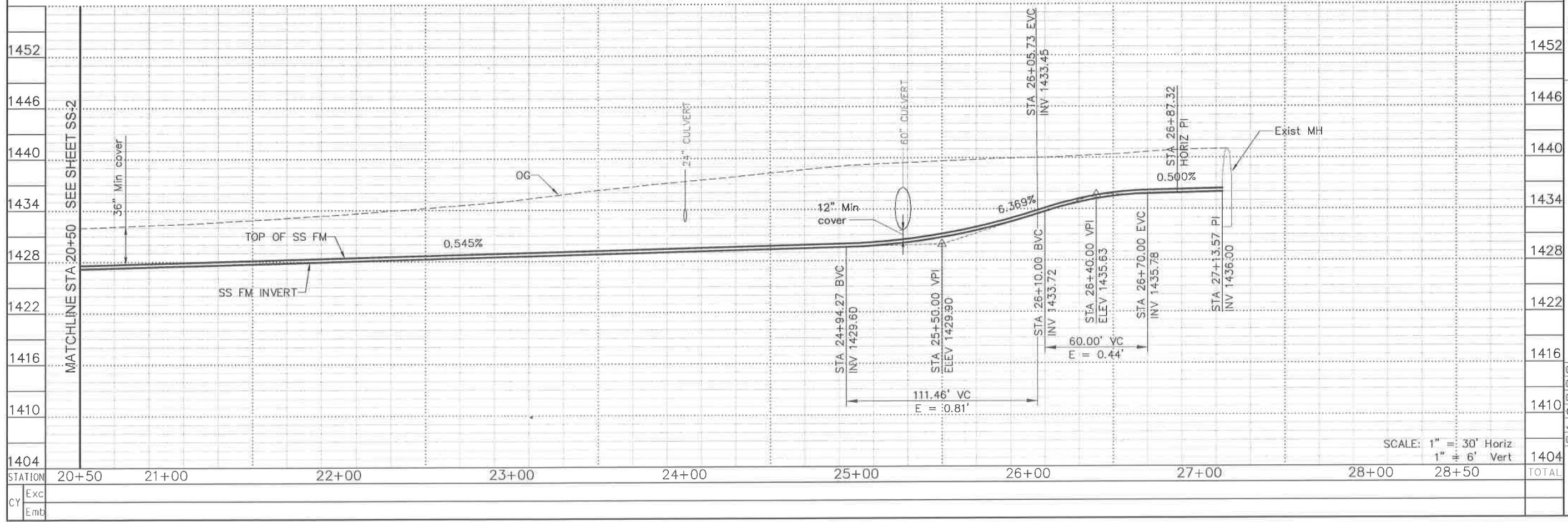
SCALE: 1" = 30' Horiz
1" = 6' Vert

STATION	Exc	Emb	TOTAL
12+50			
13+00			
14+00			
15+00			
16+00			
17+00			
18+00			
19+00			
20+00			
20+50			
TOTAL			



PLAN
SCALE: 1" = 30'

HBT OF SADDLE RIDGE LLC
APN 57-141-87



SCALE: 1" = 30' Horiz
1" = 6' Vert

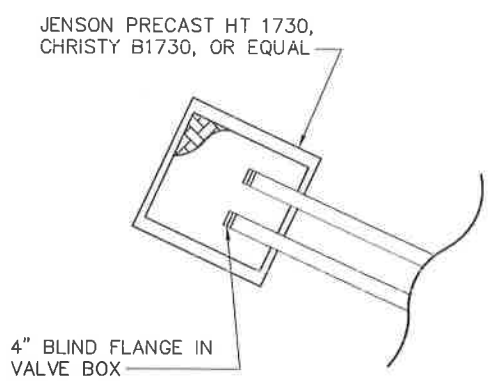
STATION	20+50	21+00	22+00	23+00	24+00	25+00	26+00	27+00	28+00	28+50	TOTAL
Exc											
Emb											

NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION

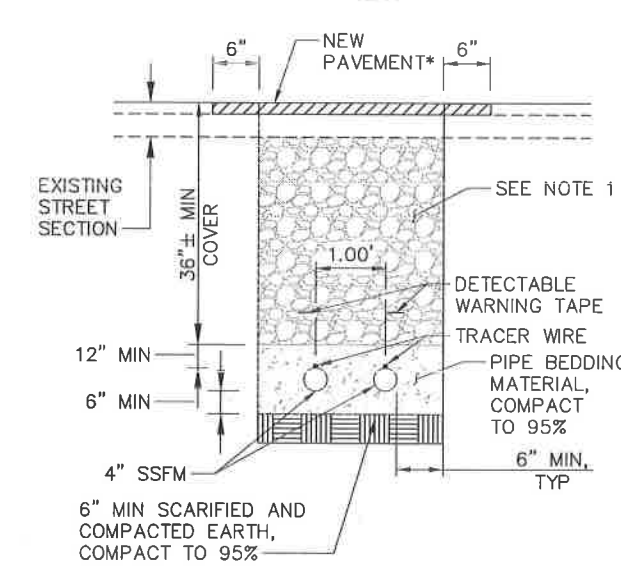
COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
SEWER PLAN AND PROFILE
STA 20+50 TO STA 28+50

DRAWING: N09-300(1)009.dwg
DESIGNED: LS
DRAWN: DCP
CHECKED: DJK
JOB NO: N09-300
DATE: Apr 5, 2018

SS-3
63 OF 106 SHEETS

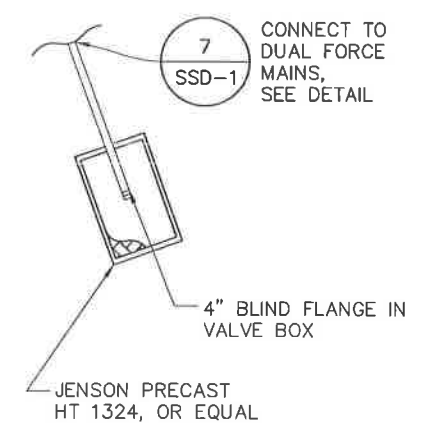


DETAIL 1
NTS
SS-1

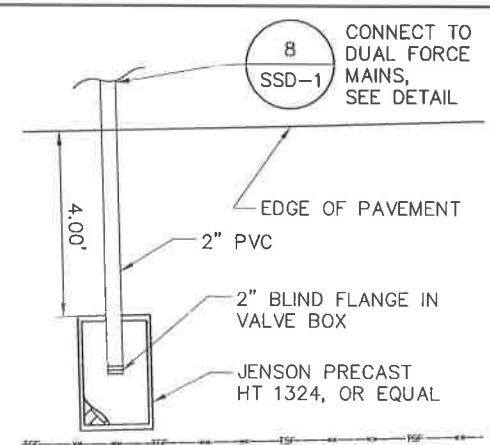


NOTE:
1. BACKFILL FOR TRENCHING WITHIN CALTRANS RIGHT-OF-WAY SHALL BE CI 2 AB OR SLURRY AS SPECIFIED BY THE ENGINEER.

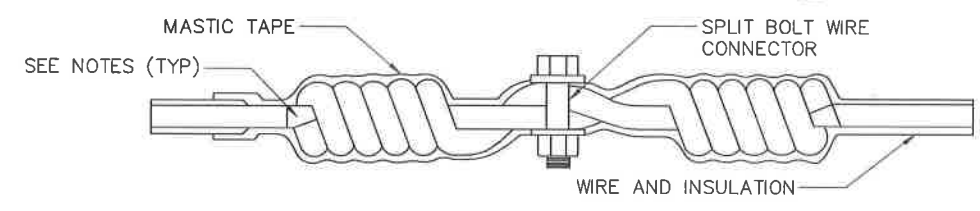
TRENCH DETAIL TYP
NTS
*MATCH NEW PAVEMENT AND SUBGRADE SECTION TO EXISTING



DETAIL 2
NTS
SS-1

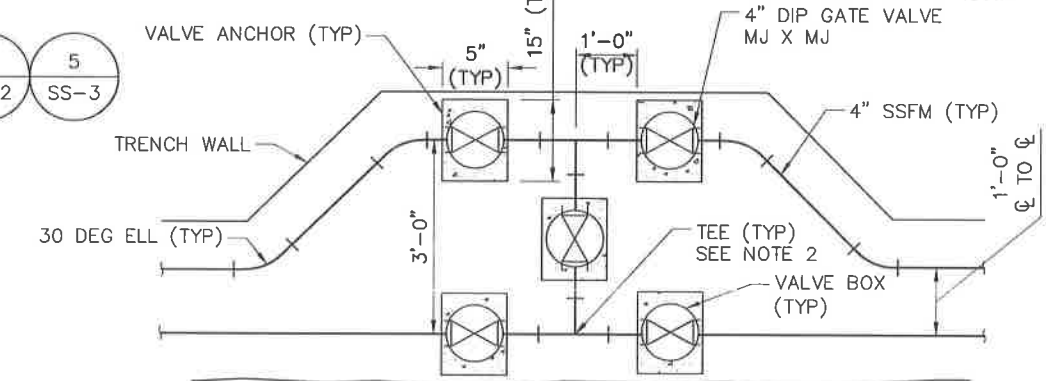


DETAIL 3
NTS
SS-2



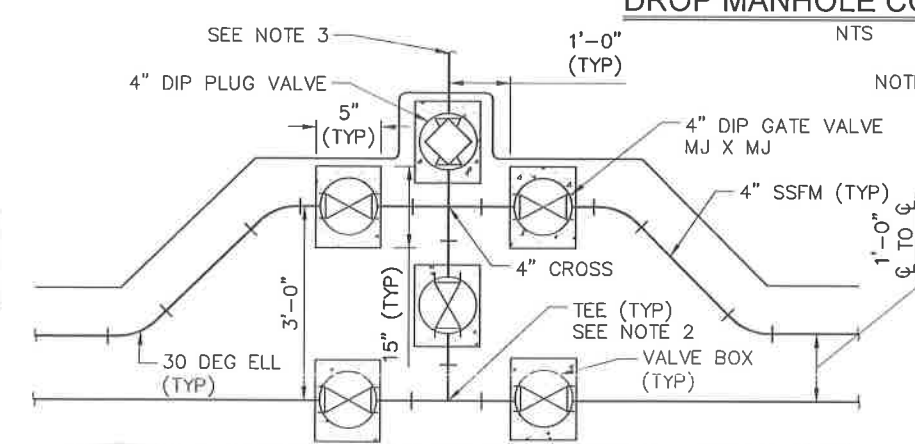
NOTES:
1. TWIST THE WIRE A MINIMUM OF (5) TIMES ON EACH END.
2. INSTALL SPLIT BOLT CONNECTOR.
3. COVER THE ENTIRE SPLICE WITH MASTIC TAPE WRAP.
4. WRAP WITH MASTIC VINYL TAPE.
5. SOLDER ENDS.
6. LAY TRACER WIRE ON PIPE CROWN AND TAPE TO PIPE EVERY (5) FT.

TRACER WIRE SPLICE DETAIL
NTS



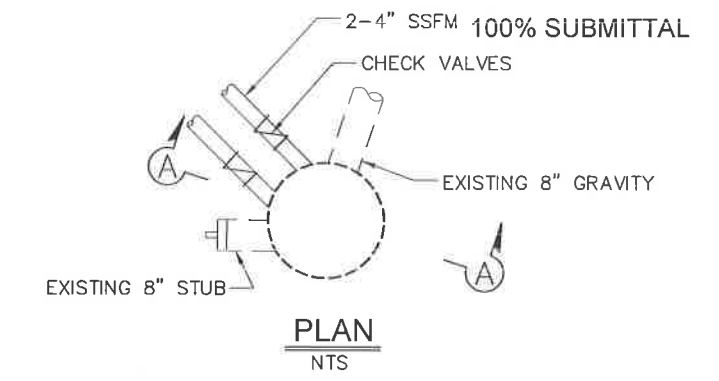
NOTES:
1. ELL SHALL BE LOCATED ON ALTERNATING FORCE MAIN INTERTIES.
2. STA LOCATION INDICATED ON THE PLAN AND PROFILE DRAWING IS CENTERLINE OF BRANCH TEE.
3. VALVES, RISERS AND ANCHORS PER NCSD1 STANDARDS.

DUAL FORCE MAIN INTERTIE DETAIL
NTS

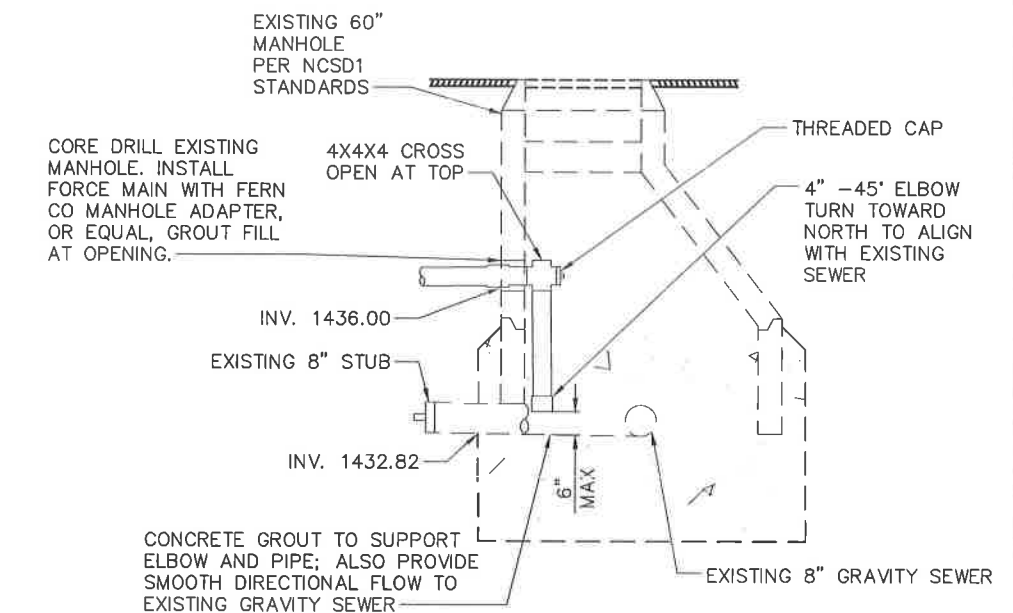


NOTES:
1. ELL SHALL BE LOCATED ON ALTERNATING FORCE MAIN INTERTIES.
2. STA LOCATION INDICATED ON THE PLAN AND PROFILE DRAWING IS CENTERLINE OF BRANCH TEE.
3. INSTALL CHECK VALVES ON SERVICE BEFORE INTERTIE.
4. VALVES, RISERS AND ANCHORS PER NCSD1 STANDARDS.

DUAL FORCE MAIN INTERTIE AND SERVICE CONNECTION DETAIL
NTS



PLAN
NTS



SECTION A-A
NTS

DROP MANHOLE CONNECTION
NTS

REVISIONS	
NO.	DESCRIPTION



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
SEWER DETAILS

DRAWING: N09-300ka010.dwg
DESIGNED: MAS
DRAWN: BC
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SCALE: AS SHOWN
SHEET
SSD-1
64 of 106 SHEETS










NOTES:

1. THIS PLAN ACCURATE FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY.
2. ALL STRIPING SHOWN ON STAGE CONSTRUCTION AND TRAFFIC HANDLING PLANS SHALL BE TEMPORARY TRAFFIC STRIPE (PAINT).
3. CONTRACTOR SHALL NOT PLACE FINAL HMA LIFT UNTIL ALL STAGING IS COMPLETE AND AS DIRECTED BY THE ENGINEER.
4. ACCESS TO DRIVEWAYS MUST BE MAINTAINED AT ALL TIMES.
5. SAFETY WEDGE TO BE USED DURING NON-WORKING HOURS.

CONSTRUCTION - STAGE 1:

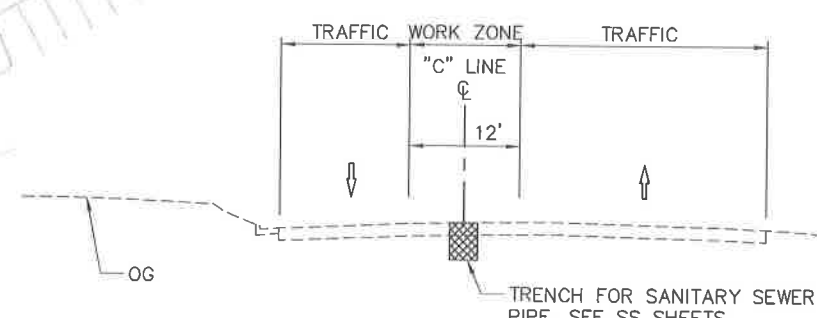
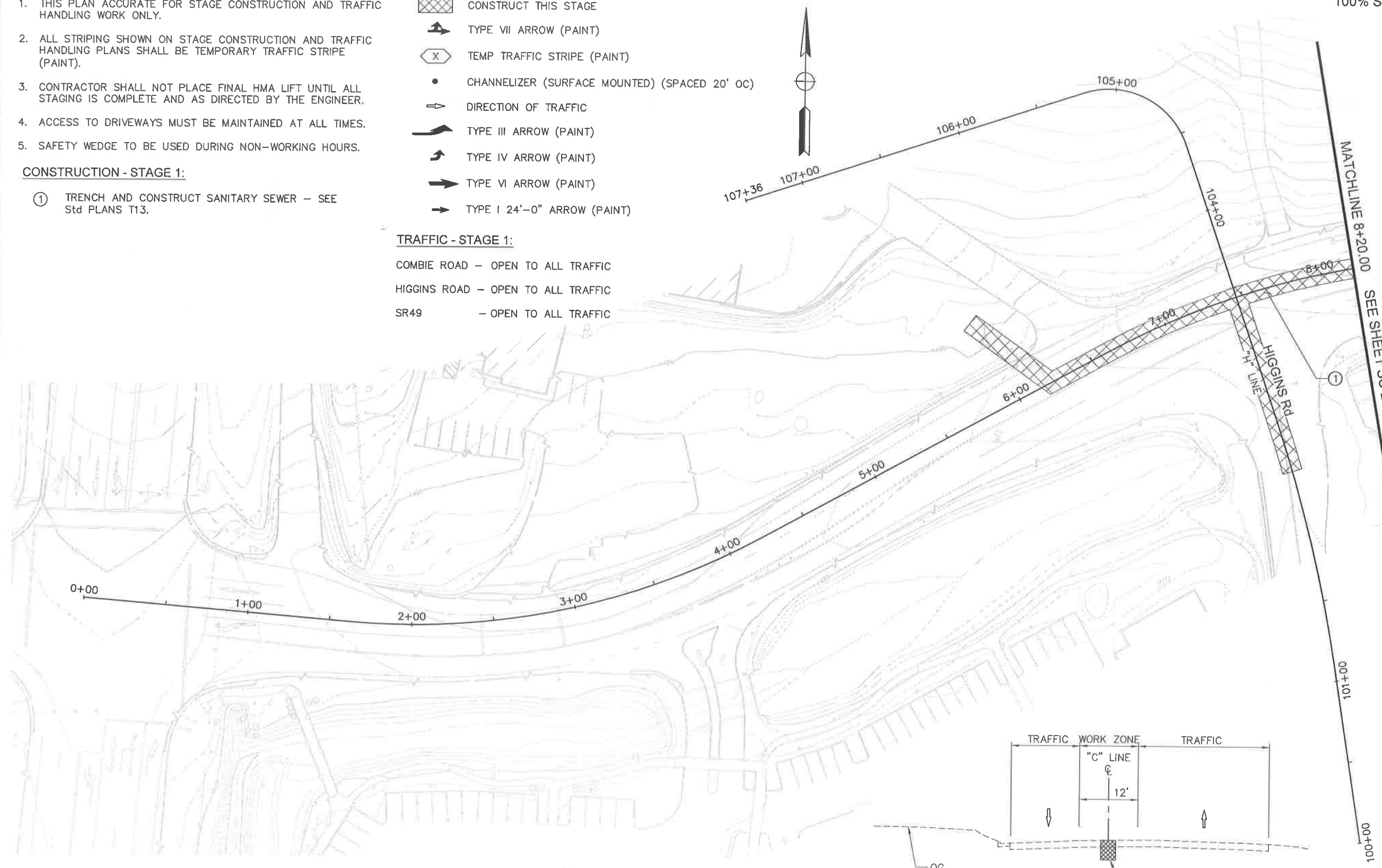
- ① TRENCH AND CONSTRUCT SANITARY SEWER - SEE Std PLANS T13.

LEGEND:

-  CONSTRUCT THIS STAGE
-  TYPE VII ARROW (PAINT)
-  TEMP TRAFFIC STRIPE (PAINT)
-  CHANNELIZER (SURFACE MOUNTED) (SPACED 20' OC)
-  DIRECTION OF TRAFFIC
-  TYPE III ARROW (PAINT)
-  TYPE IV ARROW (PAINT)
-  TYPE VI ARROW (PAINT)
-  TYPE I 24'-0" ARROW (PAINT)

TRAFFIC - STAGE 1:

- COMBIE ROAD - OPEN TO ALL TRAFFIC
- HIGGINS ROAD - OPEN TO ALL TRAFFIC
- SR49 - OPEN TO ALL TRAFFIC



**COMBIE ROAD
TYPICAL CROSS SECTION**
NO SCALE

100% SUBMITTAL

MATCHLINE 8+20.00
SEE SHEET SC-2

00+101
00+100

STAGE 1
SCALE : 1" = 30'

REVISIONS	
NO.	DESCRIPTION



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION

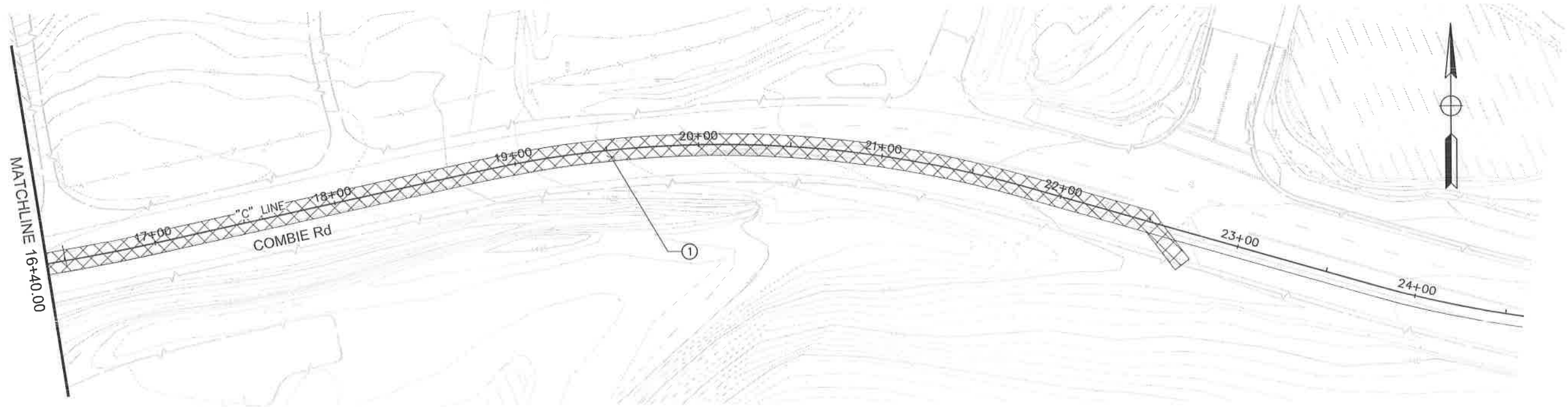
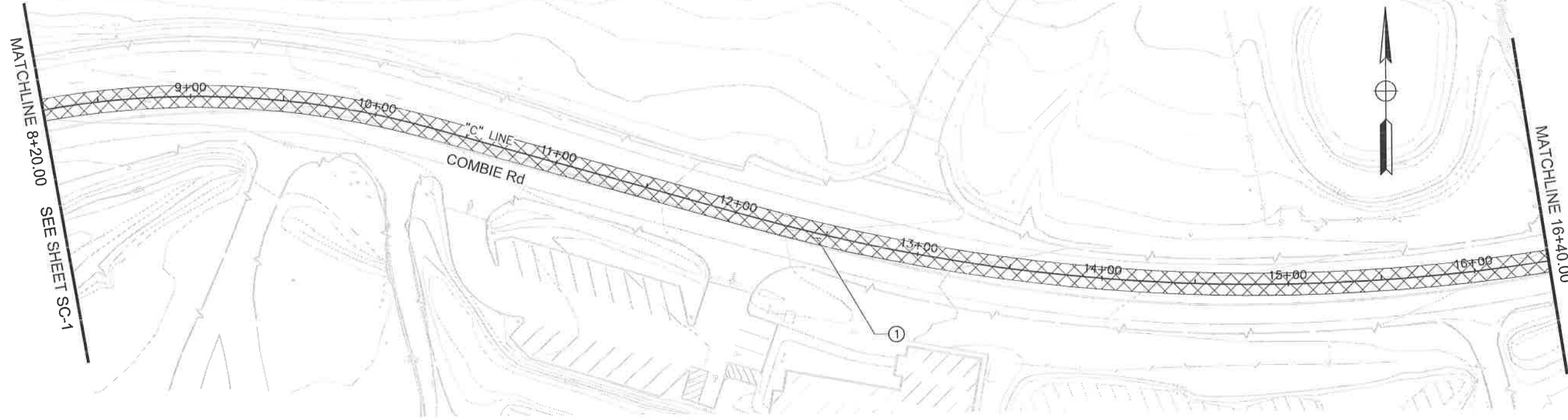


COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
STAGE CONSTRUCTION
AND TRAFFIC HANDLING PLAN

DRAWING: N09-300.mxd
DESIGNED: MAS
DRAWN: BG
CHECKED: JPU
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
SC-1
65 OF 106 SHEETS

100% SUBMITTAL



STAGE 1
SCALE : 1" = 30'

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
STAGE CONSTRUCTION
AND TRAFFIC HANDLING PLAN

DRAWING: N09-300m002.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
SC-2
66 OF 106 SHEETS

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 STAGE CONSTRUCTION
 AND TRAFFIC HANDLING PLAN

DRAWING: N09-300m003.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPL
JOB NO: N09-300
DATE: Apr 5, 2018

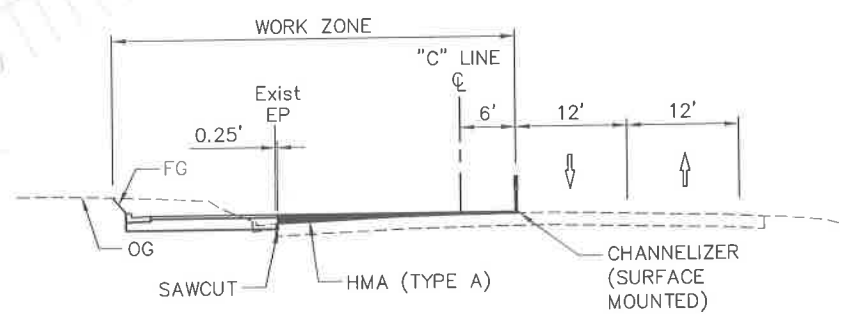
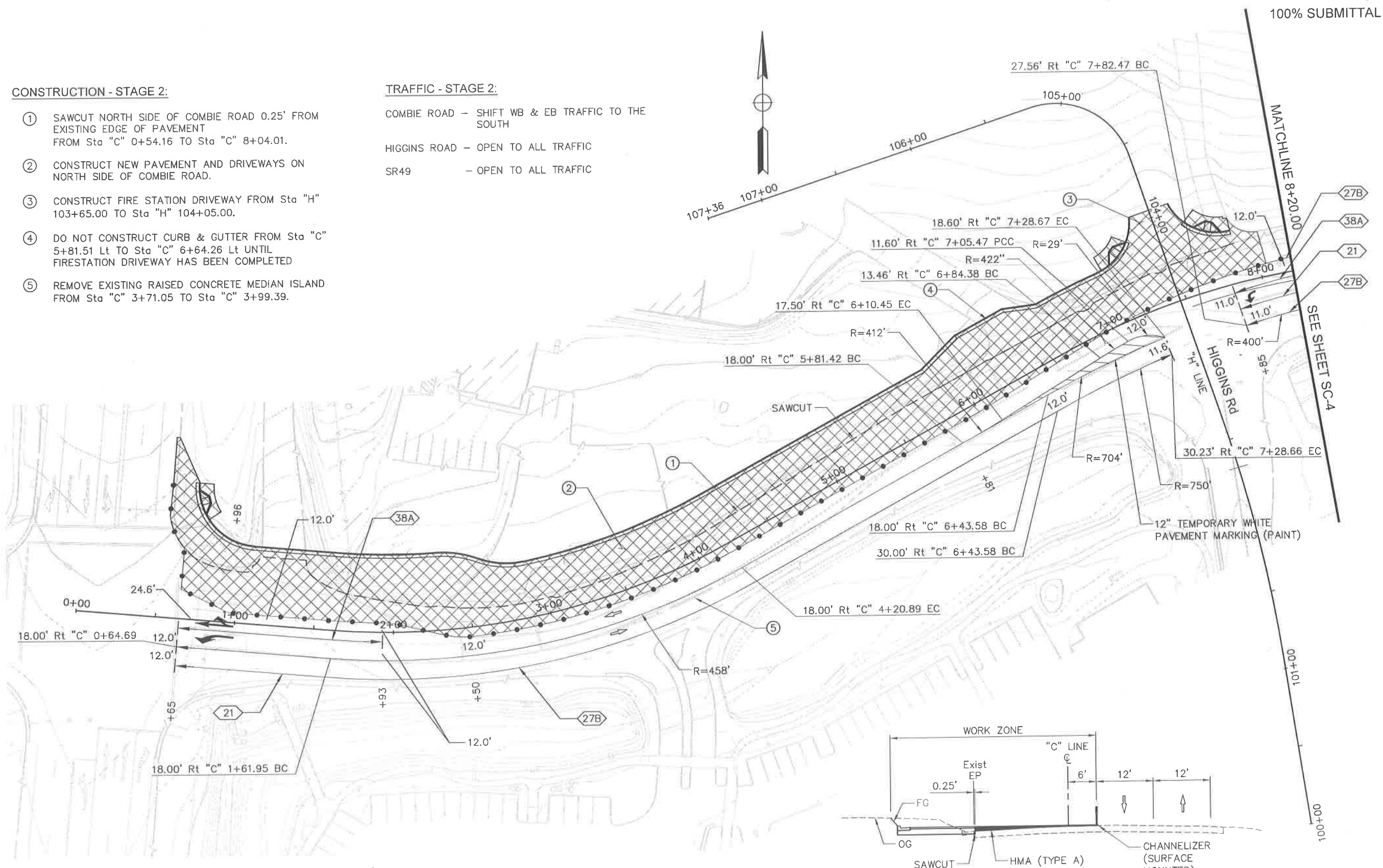
SHEET
SC-3
 67 OF 106 SHEETS

CONSTRUCTION - STAGE 2:

- ① SAWCUT NORTH SIDE OF COMBIE ROAD 0.25' FROM EXISTING EDGE OF PAVEMENT FROM Sta "C" 0+54.16 TO Sta "C" 8+04.01.
- ② CONSTRUCT NEW PAVEMENT AND DRIVEWAYS ON NORTH SIDE OF COMBIE ROAD.
- ③ CONSTRUCT FIRE STATION DRIVEWAY FROM Sta "H" 103+65.00 TO Sta "H" 104+05.00.
- ④ DO NOT CONSTRUCT CURB & GUTTER FROM Sta "C" 5+81.51 Lt TO Sta "C" 6+64.26 Lt UNTIL FIRESTATION DRIVEWAY HAS BEEN COMPLETED
- ⑤ REMOVE EXISTING RAISED CONCRETE MEDIAN ISLAND FROM Sta "C" 3+71.05 TO Sta "C" 3+99.39.

TRAFFIC - STAGE 2:

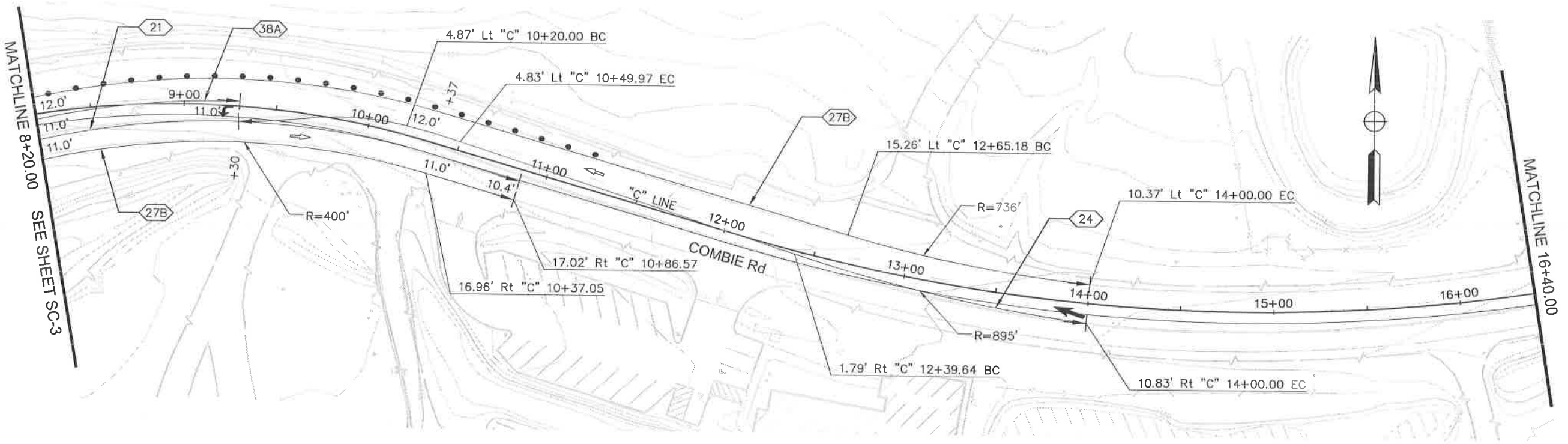
- COMBIE ROAD - SHIFT WB & EB TRAFFIC TO THE SOUTH
- HIGGINS ROAD - OPEN TO ALL TRAFFIC
- SR49 - OPEN TO ALL TRAFFIC



**COMBIE ROAD
 TYPICAL CROSS SECTION**
 NO SCALE

STAGE 2
 SCALE : 1" = 30'

100% SUBMITTAL



MATCHLINE 8+20.00
SEE SHEET SC-3

MATCHLINE 16+40.00

MATCHLINE 16+40.00

STAGE 2
SCALE : 1" = 30'

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
STAGE CONSTRUCTION
AND TRAFFIC HANDLING PLAN

DRAWING: N09-300ma001.dwg
DESIGNED: MAS
DRAWN: BC
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
SC-4
68 of 106 SHEETS

CONSTRUCTION - STAGE 3:

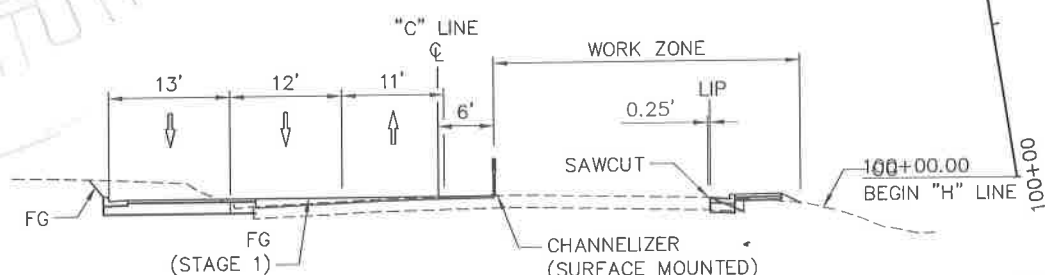
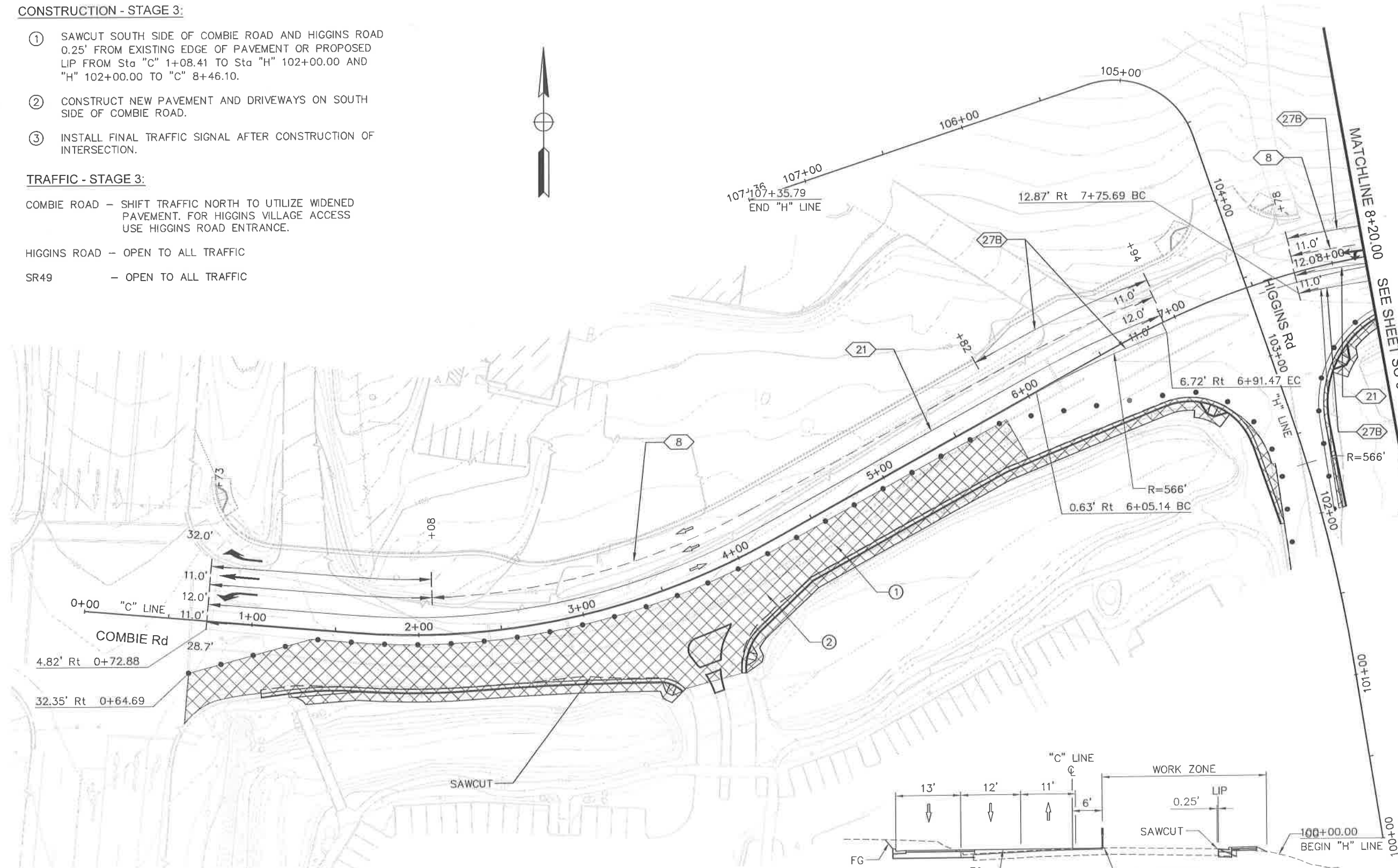
- ① SAWCUT SOUTH SIDE OF COMBIE ROAD AND HIGGINS ROAD 0.25' FROM EXISTING EDGE OF PAVEMENT OR PROPOSED LIP FROM Sta "C" 1+08.41 TO Sta "H" 102+00.00 AND "H" 102+00.00 TO "C" 8+46.10.
- ② CONSTRUCT NEW PAVEMENT AND DRIVEWAYS ON SOUTH SIDE OF COMBIE ROAD.
- ③ INSTALL FINAL TRAFFIC SIGNAL AFTER CONSTRUCTION OF INTERSECTION.

TRAFFIC - STAGE 3:

COMBIE ROAD - SHIFT TRAFFIC NORTH TO UTILIZE WIDENED PAVEMENT. FOR HIGGINS VILLAGE ACCESS USE HIGGINS ROAD ENTRANCE.

HIGGINS ROAD - OPEN TO ALL TRAFFIC

SR49 - OPEN TO ALL TRAFFIC



COMBIE ROAD TYPICAL CROSS SECTION
NO SCALE

STAGE 3
SCALE : 1" = 30'

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION

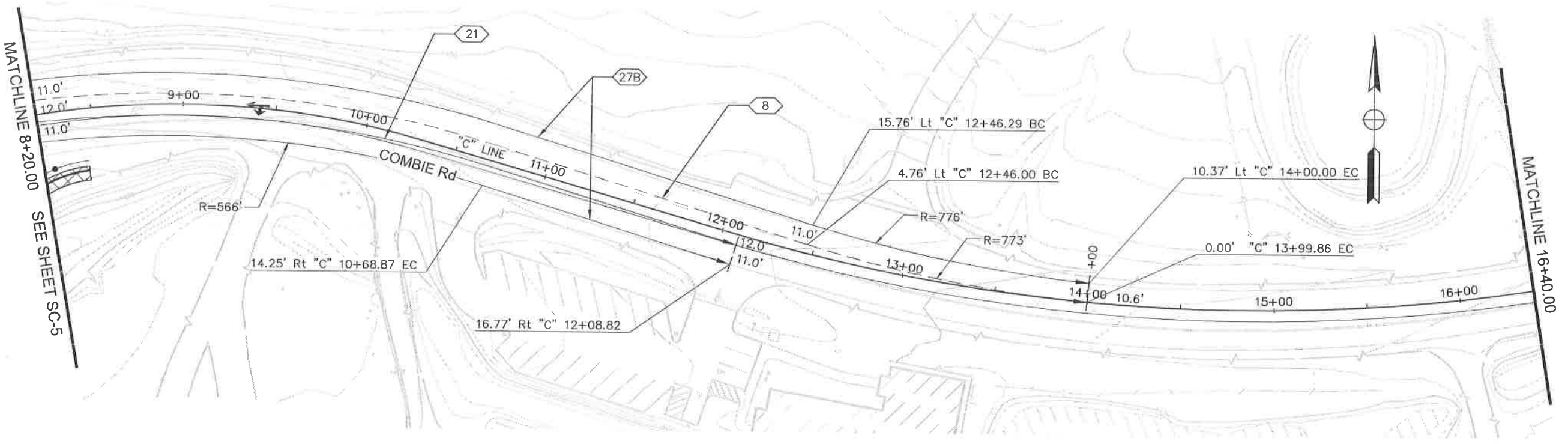


COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
STAGE CONSTRUCTION
AND TRAFFIC HANDLING PLAN

DRAWING: N09-300m005.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPU
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
SC-5
69 OF 106 SHEETS

100% SUBMITTAL



STAGE 3
SCALE : 1" = 30'

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
STAGE CONSTRUCTION
AND TRAFFIC HANDLING PLAN

DRAWING: N09-300ma006.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
SC-6
70 OF 106 SHEETS

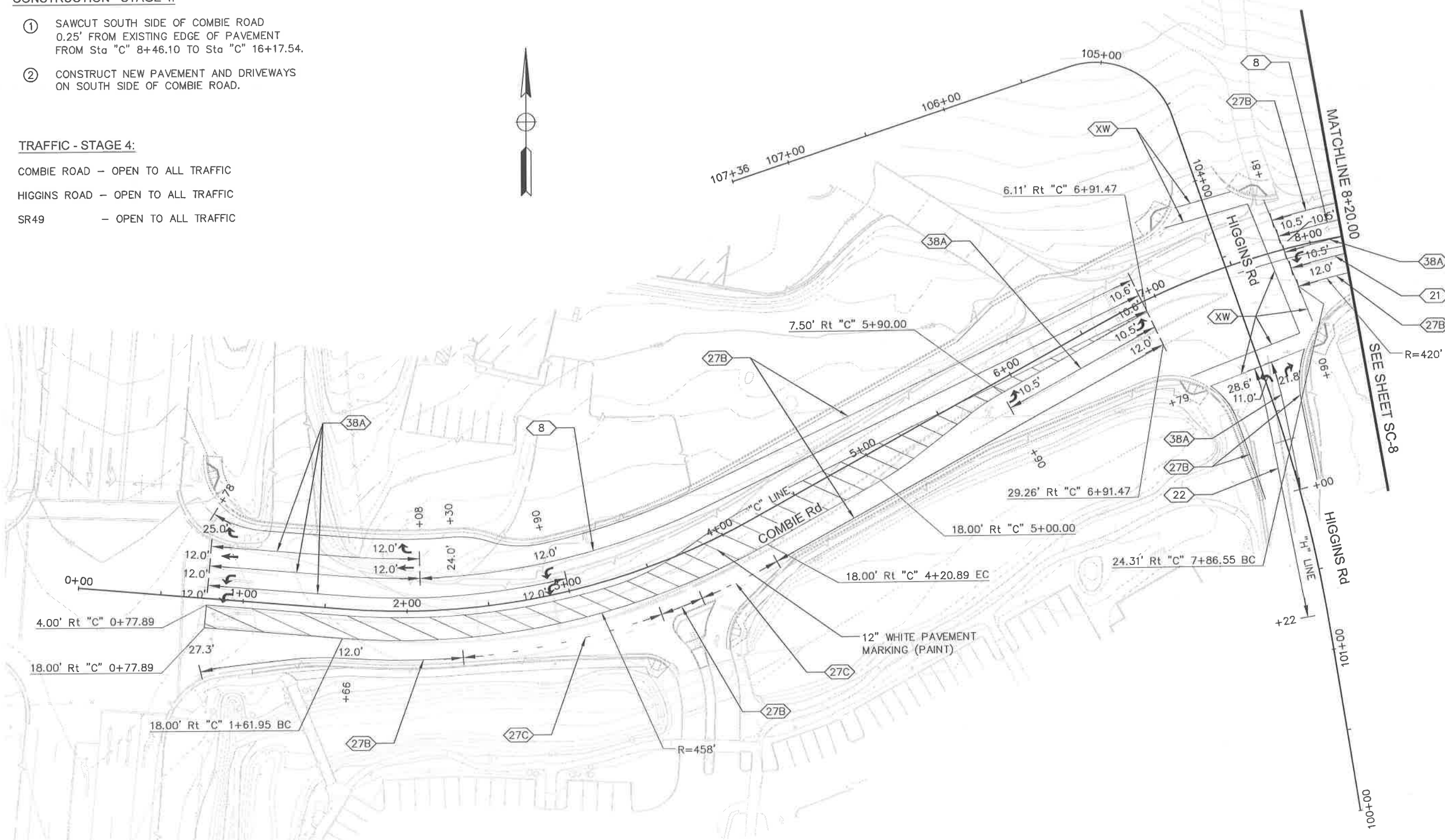
100% SUBMITTAL

CONSTRUCTION - STAGE 4:

- ① SAWCUT SOUTH SIDE OF COMBIE ROAD
0.25' FROM EXISTING EDGE OF PAVEMENT
FROM Sta "C" 8+46.10 TO Sta "C" 16+17.54.
- ② CONSTRUCT NEW PAVEMENT AND DRIVEWAYS
ON SOUTH SIDE OF COMBIE ROAD.

TRAFFIC - STAGE 4:

COMBIE ROAD - OPEN TO ALL TRAFFIC
 HIGGINS ROAD - OPEN TO ALL TRAFFIC
 SR49 - OPEN TO ALL TRAFFIC



STAGE 4
SCALE : 1" = 30'

REVISIONS			
NO.	DESCRIPTION	BY	DATE

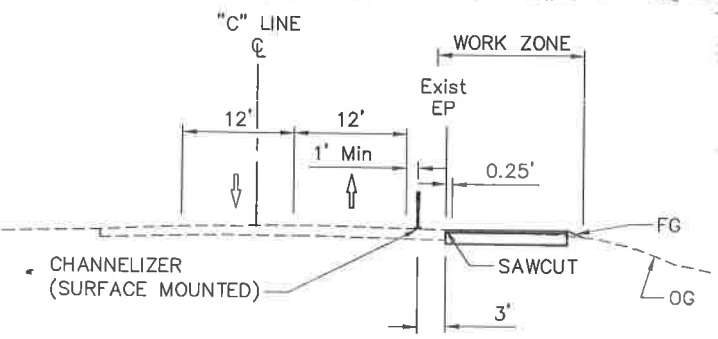
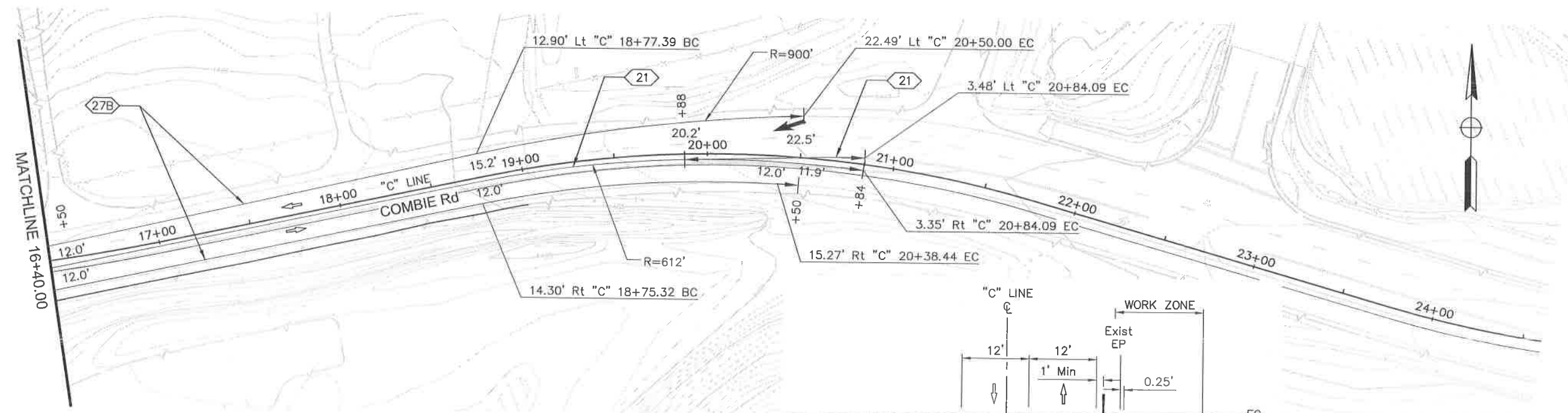
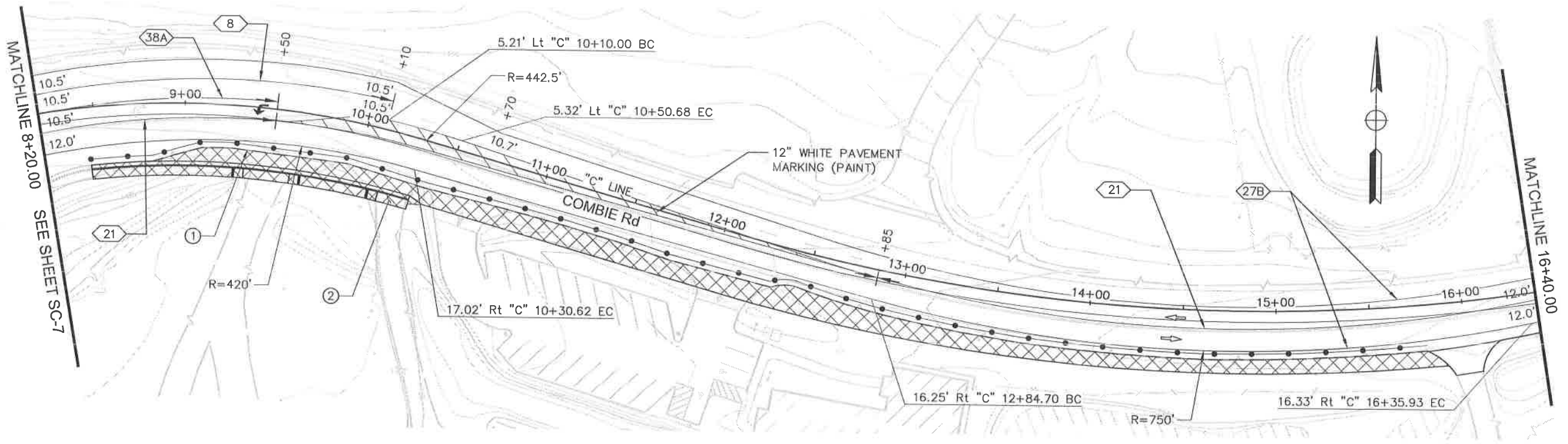


NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION

COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 STAGE CONSTRUCTION
 AND TRAFFIC HANDLING PLAN

DRAWING: M09-300mod007.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Apr 5, 2018

SHEET
SC-7
 71 OF 106 SHEETS



**COMBIE ROAD
TYPICAL CROSS SECTION**
NO SCALE

STAGE 4
SCALE : 1" = 30'

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
STAGE CONSTRUCTION
AND TRAFFIC HANDLING PLAN

DRAWING: N09-300m000.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
SC-8
72 OF 106 SHEETS

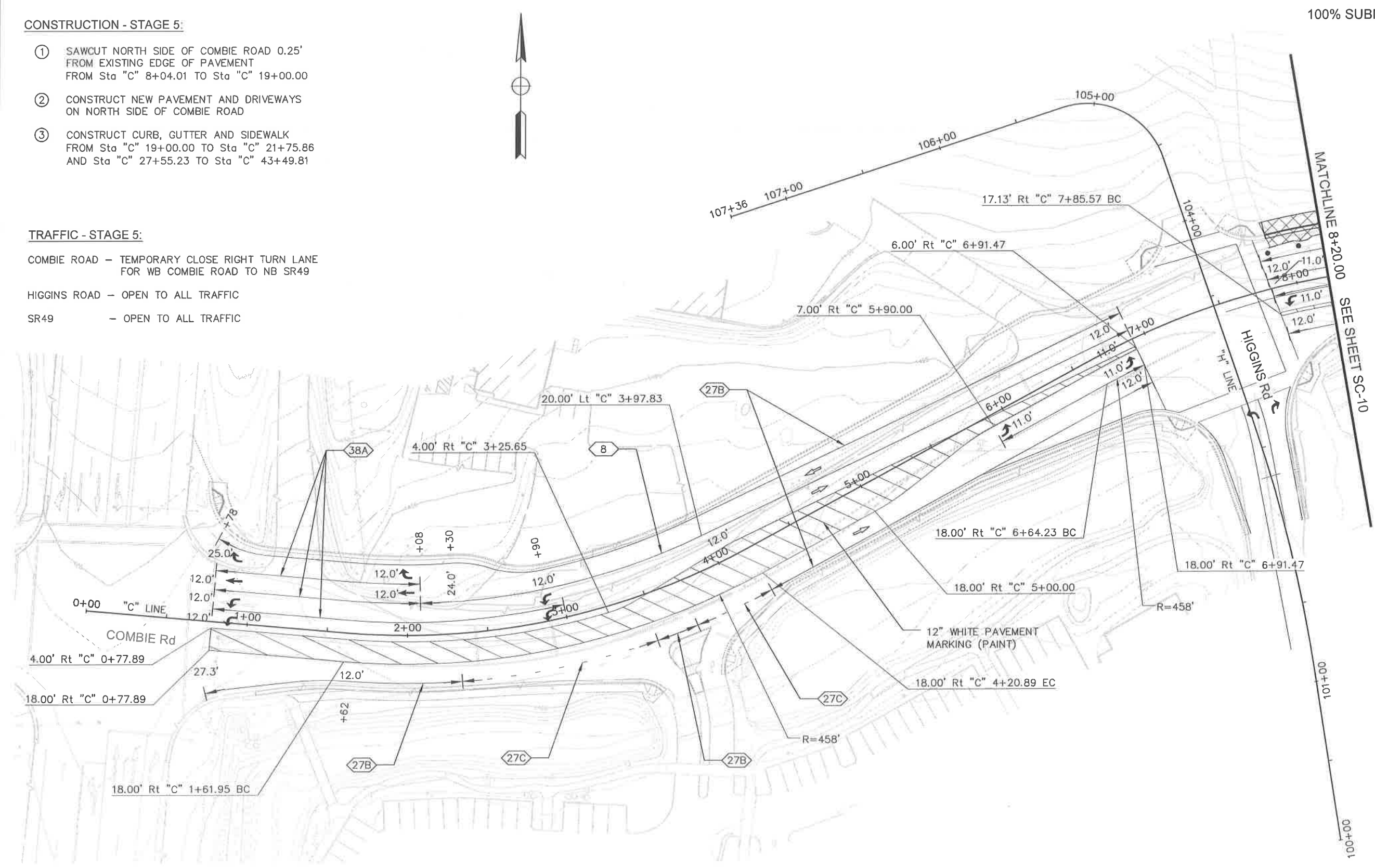
100% SUBMITTAL

CONSTRUCTION - STAGE 5:

- ① SAWCUT NORTH SIDE OF COMBIE ROAD 0.25' FROM EXISTING EDGE OF PAVEMENT FROM Sta "C" 8+04.01 TO Sta "C" 19+00.00
- ② CONSTRUCT NEW PAVEMENT AND DRIVEWAYS ON NORTH SIDE OF COMBIE ROAD
- ③ CONSTRUCT CURB, GUTTER AND SIDEWALK FROM Sta "C" 19+00.00 TO Sta "C" 21+75.86 AND Sta "C" 27+55.23 TO Sta "C" 43+49.81

TRAFFIC - STAGE 5:

COMBIE ROAD - TEMPORARY CLOSE RIGHT TURN LANE FOR WB COMBIE ROAD TO NB SR49
 HIGGINS ROAD - OPEN TO ALL TRAFFIC
 SR49 - OPEN TO ALL TRAFFIC



**COMBIE ROAD
 TYPICAL CROSS SECTION**
 NO SCALE

STAGE 5
 SCALE : 1" = 30'

REVISIONS	
NO.	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 STAGE CONSTRUCTION
 AND TRAFFIC HANDLING PLAN

DRAWING: N09-300m009.dwg
 DESIGNED: MAS
 DRAWN: BC
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Apr 5, 2018

SHEET
SC-9
 73 OF 106 SHEETS

100% SUBMITTAL

REVISIONS

NO.	DESCRIPTION	BY	DATE



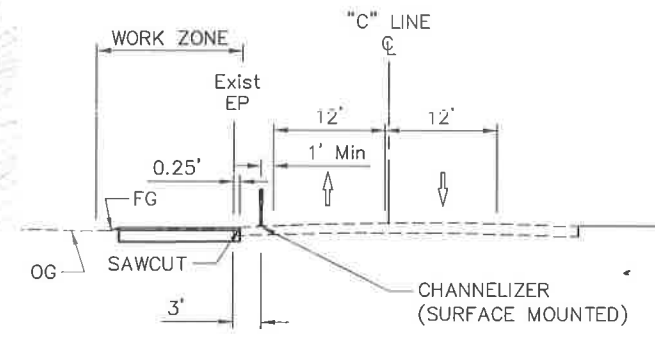
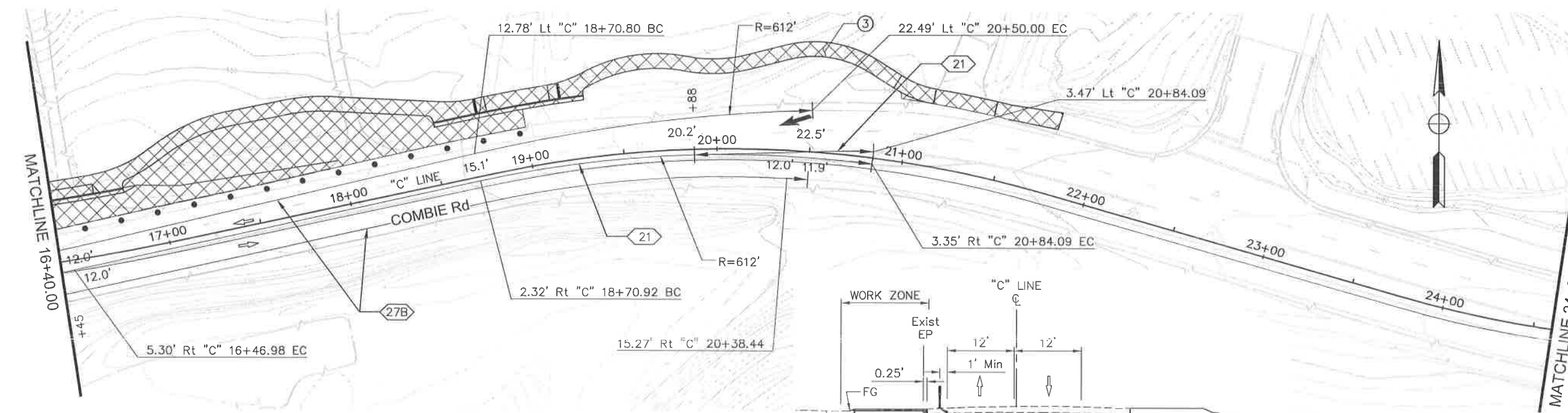
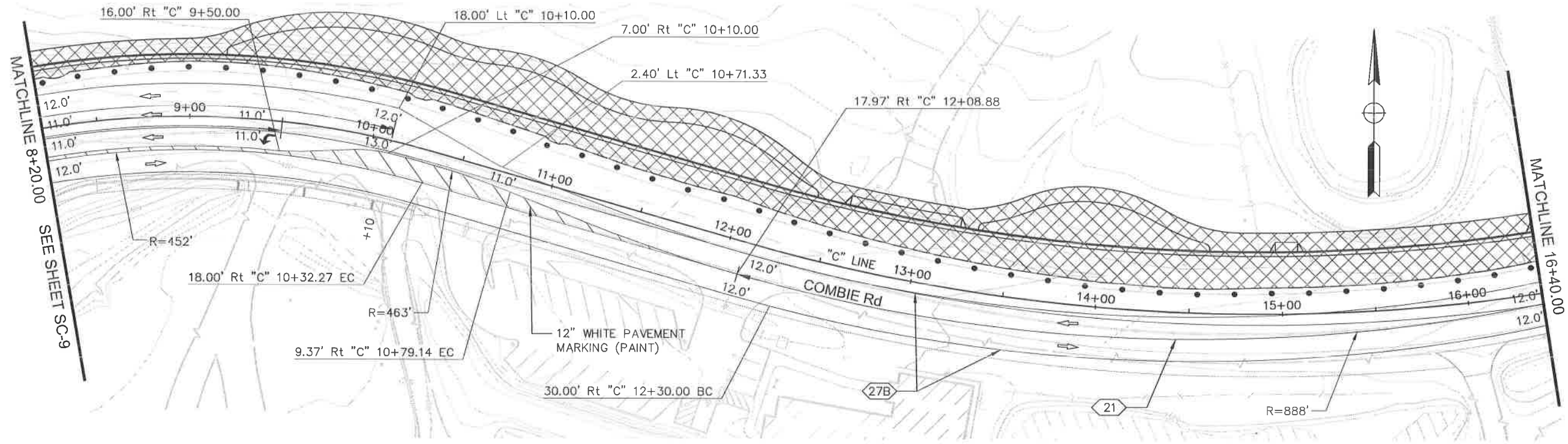
NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
STAGE CONSTRUCTION
AND TRAFFIC HANDLING PLAN

DRAWING: N09-300m010.dwg
DESIGNED: MAS
DRAWN: BC
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018
SHEET

SC-10
74 OF 106 SHEETS



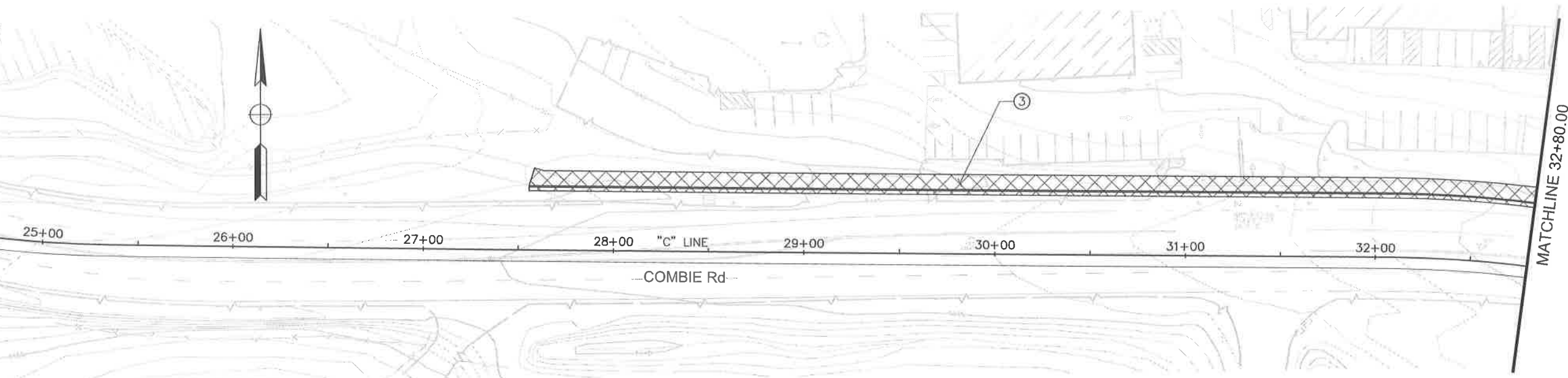
COMBIE ROAD
TYPICAL CROSS SECTION
NO SCALE

STAGE 5
SCALE : 1" = 30'

100% SUBMITTAL

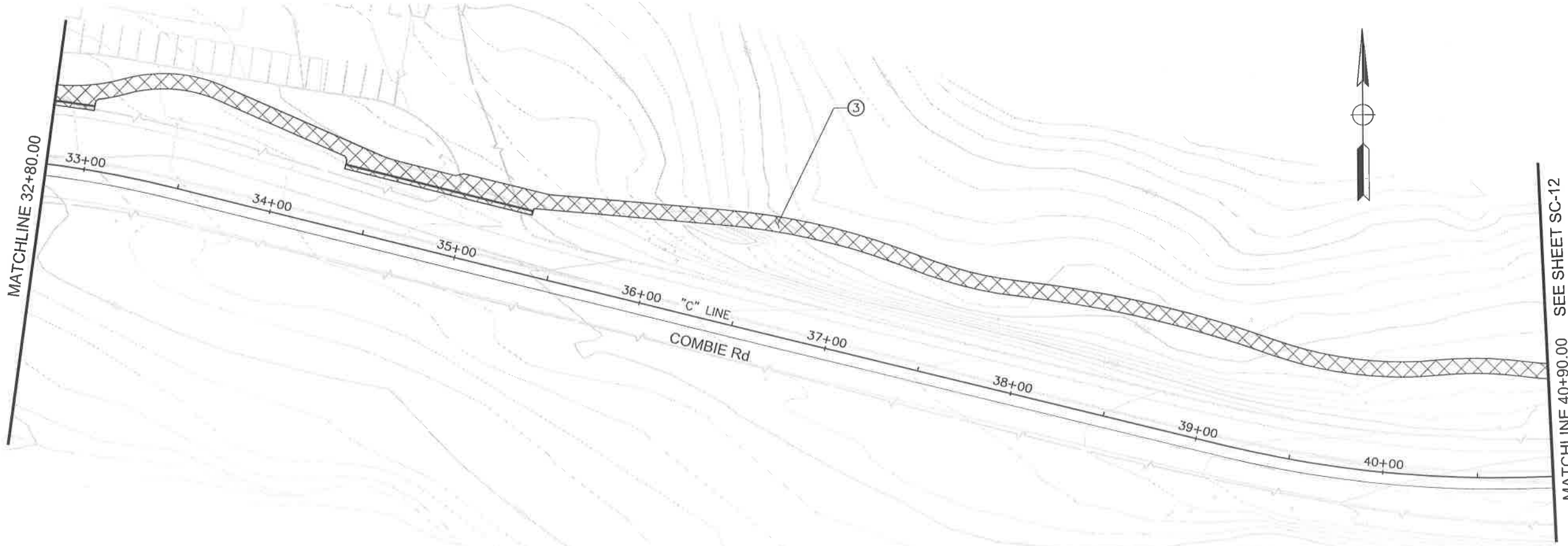
MATCHLINE 24+60.00 SEE SHEET SC-10

MATCHLINE 32+80.00



MATCHLINE 32+80.00

MATCHLINE 40+90.00 SEE SHEET SC-12



STAGE 5
SCALE : 1" = 30'

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
STAGE CONSTRUCTION
AND TRAFFIC HANDLING PLAN

DRAWING: N09-300.mxd (11.dwg)
DESIGNED: MAS
DRAWN: BG
CHECKED: JPL
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
SC-11
75 OF 106 SHEETS

100% SUBMITTAL



REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 STAGE CONSTRUCTION
 AND TRAFFIC HANDLING PLAN

DRAWING: N09-300mod12.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: J.P.J.
 JOB NO: N09-300
 DATE: Apr 5, 2018

STAGE 5
 SCALE : 1" = 30'

SHEET
 SC-12
 76 of 106 SHEETS

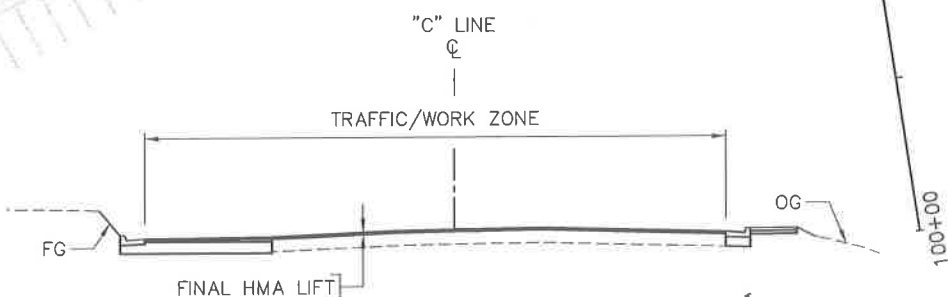
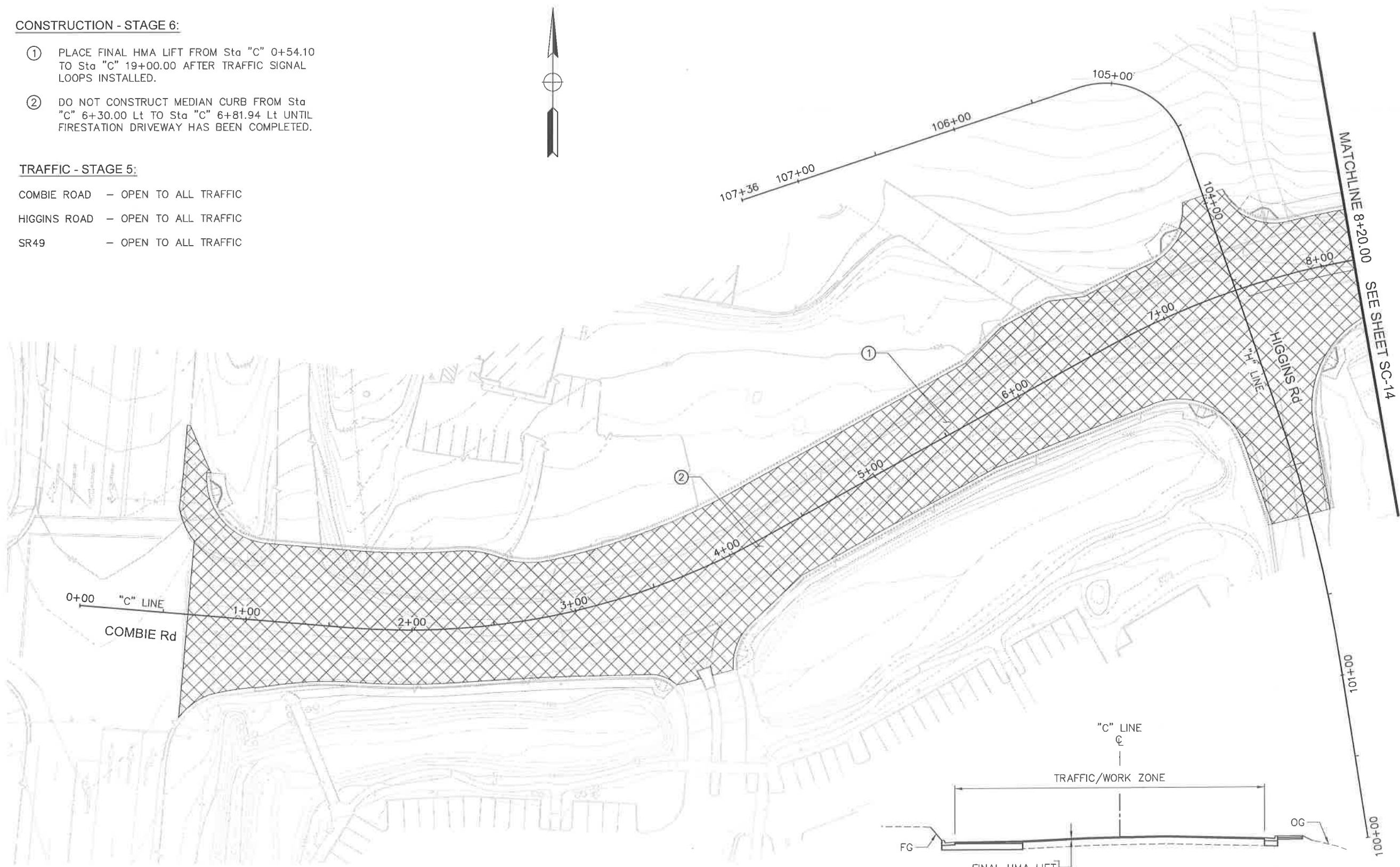
100% SUBMITTAL

CONSTRUCTION - STAGE 6:

- ① PLACE FINAL HMA LIFT FROM Sta "C" 0+54.10 TO Sta "C" 19+00.00 AFTER TRAFFIC SIGNAL LOOPS INSTALLED.
- ② DO NOT CONSTRUCT MEDIAN CURB FROM Sta "C" 6+30.00 Lt TO Sta "C" 6+81.94 Lt UNTIL FIRESTATION DRIVEWAY HAS BEEN COMPLETED.

TRAFFIC - STAGE 5:

- COMBIE ROAD - OPEN TO ALL TRAFFIC
- HIGGINS ROAD - OPEN TO ALL TRAFFIC
- SR49 - OPEN TO ALL TRAFFIC



**COMBIE ROAD
TYPICAL CROSS SECTION**
NO SCALE

STAGE 6
SCALE : 1" = 30'

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION

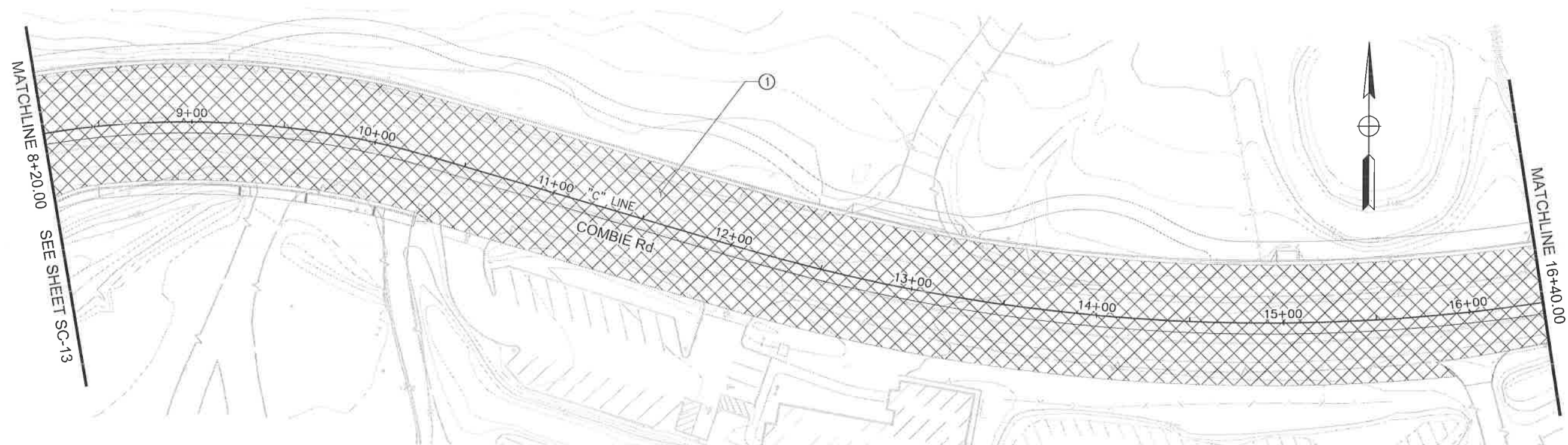


COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
STAGE CONSTRUCTION
AND TRAFFIC HANDLING PLAN

DRAWING: N09-300mod13.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018
SHEET

SC-13
77 of 106 SHEETS

100% SUBMITTAL



MATCHLINE 8+20.00 SEE SHEET SC-13

MATCHLINE 16+40.00

MATCHLINE 16+40.00

STAGE 6
SCALE : 1" = 30'

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
STAGE CONSTRUCTION
AND TRAFFIC HANDLING PLAN

DRAWING: N09-300.mxd
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018
SHEET

SC-14
78 of 106 SHEETS

STAGE CONSTRUCTION QUANTITIES

SHEET No.	STAGE	FROM				TO				TEMPORARY HOT MIX ASPHALT* TON	TEMPORARY TRAFFIC STRIPE (PAINT) LF	TEMPORARY PAVEMENT MARKING (PAINT) SQFT	REMOVE THERMOPLASTIC PAVEMENT MARKING SQFT	REMOVE THERMOPLASTIC TRAFFIC STRIPE LF	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE) LF	CHANNELIZER (SURFACE MOUNTED) EA	TEMPORARY CONSTRUCTION ENTRANCE EA	DESCRIPTION
		LINE	STATION	OFFSET	L/Rt	LINE	STATION	OFFSET	L/Rt									
SC-3	2	"C"	0+50.00	85.00	Lt	"C"	8+20.00	10.00	Lt						56			
SC-3	2	"C"	5+81.00	0.00	L/Rt	"C"	8+05.00		L/Rt	198.0								
SC-3	2	"C"	0+65.00	30.00	Rt	"C"	7+20.00	30.00	Rt		655							STD. DETAIL 27B
SC-3	2	"C"	0+65.00	18.00	Rt	"C"	5+90.00	18.00	Rt		643							STD. DETAIL 21
SC-3	2	"C"	0+65.00	6.00	Rt	"C"	1+93.00	6.00	Rt		128							STD. DETAIL 38A
SC-3	2	"C"	5+90.00	0.00	L/Rt	"C"	7+20.00		L/Rt			269						12" TEMPORARY WHITE PAVEMENT MARKING
SC-3	2	"C"	5+90.00	0.00	L/Rt	"C"	7+20.00		L/Rt			72						12" TEMPORARY WHITE PAVEMENT MARKING (DIAGONALS)
SC-3	2	"C"	0+90.00	0.00	L/Rt	-	-	-	-			27						TYPE VII (R) ARROW
SC-3	2	"C"	0+90.00	10.00	Rt	-	-	-	-			42						TYPE III (L) ARROW
SC-3	2	"C"	7+90.00	10.00	Rt	-	-	-	-			15						TYPE IV (L) ARROW
SC-3	2	"C"	7+90.00	17.00	Rt	"C"	8+20.00	15.00	Rt		30							STD. DETAIL 21
SC-3	2	"C"	7+90.00	28.00	Rt	"C"	8+20.00	25.00	Rt		30							STD. DETAIL 27B
SC-3	2	"C"	8+04.00	10.00	Lt	"C"	8+20.00	10.00	Lt		16							STD. DETAIL 27B
SC-3	2	"C"	7+90.00	6.00	Rt	"C"	8+20.00	3.00	Rt		30							STD. DETAIL 38A
SC-3	2	"C"	0+70.00	8.00	Lt	"C"	+90.00	8.00	Lt					20				
SC-3	2	"C"	0+70.00	4.00	Rt	"C"	4+00.00	4.00	Rt					340				
SC-3	2	"C"	0+70.00	48.00	Rt	"C"	8+20.00	25.00	Rt					760				
SC-3	2	"C"	0+70.00	14.00	Rt	"C"	3+70.00	22.00	Rt						303			
SC-3	2	"C"	3+35.00	14.00	Rt	"C"	6+30.00	8.00	Rt						310			
SC-3	2	"C"	4+10.00	20.00	Rt	"C"	5+40.00	10.00	Rt						145			
SC-3	2	"C"	6+60.00	10.00	Rt	"C"	7+40.00	15.00	Rt						87			
SC-3	2	"C"	6+60.00	22.00	Rt	"C"	7+40.00	15.00	Rt						87			
SC-3	2	"C"	7+85.00	20.00	Rt	"C"	8+20.00	20.00	Rt						35			
SC-3	2	"C"	0+70.00	3.00	Rt							42						
SC-3	2	"C"	0+70.00	15.00	Rt							42						
SC-4	2	"C"	19+25.00	3.00	Rt	-	-	-	-			15						TYPE IV (L) ARROW
SC-4	2	"C"	13+95.00	5.00	Rt	-	-	-	-			42						TYPE VI ARROW
SC-4	2	"C"	8+20.00	25.00	Rt	"C"	10+86.00	17.00	Rt		266							STD. DETAIL 27B
SC-4	2	"C"	8+20.00	14.00	Rt	"C"	10+86.00	6.00	Rt		266							STD. DETAIL 21
SC-4	2	"C"	8+20.00	3.00	Rt	"C"	9+30.00	3.00	Lt		110							STD. DETAIL 38A
SC-4	2	"C"	8+20.00	10.00	Lt	"C"	14+00.00	10.00	Lt		580							STD. DETAIL 27B
SC-4	2	"C"	9+30.00	9.00	Rt	"C"	14+00.00	11.00	Rt		470							STD. DETAIL 24
SC-4	2	"C"	8+20.00	10.00	Lt	"C"	11+08.00	12.00	Lt						21			
SC-4	2	"C"	8+20.00	1.00	Lt	"C"	8+95.00	3.00	Lt					75				
SC-4	2	"C"	8+20.00	22.00	Rt	"C"	10+87.00	17.00	Rt					270				
SC-4	2	"C"	9+30.00	15.00	Lt	"C"	14+00.00	1.00	Rt					470				
SC-4	2	"C"	11+25.00	14.00	Lt	"C"	14+00.00	10.00	Lt					270				
SC-4	2	"C"	8+20.00	14.00	Rt	"C"	14+00.00	12.00	Rt					579				
SC-4	2	"C"	9+30.00	8.00	Rt	"C"	11+60.00	4.00	Rt					226				
SC-5	3	"C"	0+64.69	32.35'	Rt	"H"	101+85.00	15.00	Lt						39			
SUBTOTAL										198.0	3224	482	84	2205	1772	116		

* FOR TOTAL QUANTITY, SEE "ROADWAY QUANTITY" TABLE.

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
STAGE CONSTRUCTION
QUANTITIES

DRAWING: N09-300mb001.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
SCQ-1
79 OF 106 SHEETS

STAGE CONSTRUCTION QUANTITIES

SHEET No.	STAGE	FROM				TO				HOT MIX ASPHALT (TYPE A) *	TEMPORARY TRAFFIC STRIPE (PAINT)	TEMPORARY PAVEMENT MARKING (PAINT)	REMOVE THERMOPLASTIC PAVEMENT MARKING	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	CHANNELIZER (SURFACE MOUNTED)	TEMPORARY CONSTRUCTION ENTRANCE	DESCRIPTION
		LINE	STATION	OFFSET	Lt/Rt	LINE	STATION	OFFSET	Lt/Rt									
SC-5	3	"H"	102+00.00	8.00	Rt	"C"	8+20.00	40.00	Rt									
SC-5	3	"C"	8+15.00	3.00	Lt	-	-	-	-									
SC-5	3	"C"	0+73.00	34.00	Lt	"C"	2+08.00	34.00	Lt		27							TYPE VII (L) ARROW
SC-5	3	"C"	0+73.00	23.00	Lt	"C"	2+08.00	23.00	Lt			135						STD. DETAIL 38A
SC-5	3	"C"	0+73.00	11.00	Lt	"C"	6+94.00	11.00	Lt			621						STD. DETAIL 21
SC-5	3	"C"	0+73.00	0.00	Lt/Rt	"C"	6+92.00	7.00	Rt			619						STD. DETAIL 27B
SC-5	3	"C"	2+08.00	23.00	Lt	"C"	6+94.00	23.00	Lt			486						STD. DETAIL 8
SC-5	3	"C"	5+82.00	34.00	Lt	"C"	6+94.00	34.00	Lt			112						STD. DETAIL 27B
SC-5	3	"C"	7+78.00	22.00	Lt	"C"	8+20.00	22.00	Lt			42						STD. DETAIL 27B
SC-5	3	"C"	7+78.00	11.00	Lt	"C"	8+20.00	11.00	Lt			42						STD. DETAIL 21
SC-5	3	"C"	7+78.00	1.00	Rt	"C"	8+20.00	1.00	Rt			42						STD. DETAIL 8
SC-5	3	"C"	7+78.00	12.00	Rt	"C"	8+20.00	12.00	Rt			42						STD. DETAIL 27B
SC-6	3	"C"	8+20.00	30.00	Rt	"C"	8+25.00	30.00	Rt							1		
SC-6	3	"C"	9+40.00	0.00	Lt/Rt	-	-	-	-		27							TYPE VII (L) ARROW
SC-6	3	"C"	8+20.00	19.00	Lt	"C"	14+00.00	10.00	Lt			580						STD. DETAIL 27B
SC-6	3	"C"	8+20.00	8.00	Lt	"C"	14+00.00	-	Lt/Rt			580						STD. DETAIL 8
SC-6	3	"C"	8+20.00	4.00	Rt	"C"	12+10.00	5.00	Rt			390						STD. DETAIL 27B
SC-6	3	"C"	8+20.00	15.00	Rt	"C"	12+10.00	16.00	Rt			390						STD. DETAIL 21
SC-7	4	"C"	0+90.00	40.00	Lt	-	-	-	-			15						TYPE IV (R) ARROW
SC-7	4	"C"	0+90.00	25.00	Lt	-	-	-	-			31						TYPE I 24'-0" ARROW
SC-7	4	"C"	0+90.00	15.00	Lt	-	-	-	-			15						TYPE IV (L) ARROW
SC-7	4	"C"	0+90.00	3.00	Lt	-	-	-	-			15						TYPE IV (L) ARROW
SC-7	4	"C"	2+00.00	40.00	Lt	-	-	-	-			15						TYPE IV (R) ARROW
SC-7	4	"C"	2+00.00	25.00	Lt	-	-	-	-			31						TYPE I 24'-0" ARROW
SC-7	4	"C"	2+90.00	15.00	Lt	-	-	-	-			15						TYPE IV (L) ARROW
SC-7	4	"C"	2+90.00	5.00	Lt	-	-	-	-			15						TYPE IV (L) ARROW
SC-7	4	"C"	5+90.00	10.00	Rt	-	-	-	-			15						TYPE IV (L) ARROW
SC-7	4	"C"	6+85.00	12.00	Rt	-	-	-	-			15						TYPE IV (L) ARROW
SC-7	4	"C"	102+90.00	2.00	Rt	-	-	-	-			15						TYPE IV (L) ARROW
SC-7	4	"C"	102+90.00	15.00	Rt	-	-	-	-			15						TYPE IV (R) ARROW
SC-7	4	"C"	7+90.00	5.00	Rt	-	-	-	-			15						TYPE IV (L) ARROW
SC-7	4	"C"	0+78.00	32.00	Lt	"C"	2+08.00	32.00	Lt			130						STD. DETAIL 38A
SC-7	4	"C"	0+78.00	20.00	Lt	"C"	2+08.00	20.00	Lt			130						STD. DETAIL 38A
SC-7	4	"C"	0+78.00	8.00	Lt	"C"	2+90.00	8.00	Lt			212						STD. DETAIL 38A
SC-7	4	"C"	0+78.00	45.00	Rt	"C"	2+30.00	30.00	Rt			152						STD. DETAIL 27B
SC-7	4	"C"	2+30.00	30.00	Rt	"C"	3+50.00	30.00	Rt			120						STD. DETAIL 27C
SC-7	4	"C"	3+50.00	30.00	Rt	"C"	3+75.00	30.00	Rt			25						STD. DETAIL 27B
SC-7	4	"C"	3+75.00	30.00	Rt	"C"	4+20.00	30.00	Rt			45						STD. DETAIL 27C
SC-7	4	"C"	2+08.00	20.00	Lt	"C"	6+90.00	5.00	Lt			482						STD. DETAIL 6
SC-7	4	"C"	0+78.00	56.00	Lt	"C"	6+90.00	15.50	Lt			612						STD. DETAIL 27B
SUBTOTAL												6124	281			8		

* FOR TOTAL QUANTITY, SEE "ROADWAY QUANTITY" TABLE.

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
STAGE CONSTRUCTION
QUANTITIES

DRAWING: N09-300mb002.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
SCQ-2
80 of 106 SHEETS

STAGE CONSTRUCTION QUANTITIES

SHEET No.	STAGE	FROM				TO				TEMPORARY HOT MIX ASPHALT *	TEMPORARY TRAFFIC STRIPE (PAINT)	TEMPORARY PAVEMENT MARKING (PAINT)	REMOVE THERMOPLASTIC PAVEMENT MARKING	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	CHANNELIZER (SURFACE MOUNTED)	TEMPORARY CONSTRUCTION ENTRANCE	DESCRIPTION
		LINE	STATION	OFFSET	L/Rt	LINE	STATION	OFFSET	L/Rt									
SC-7	4	"C"	0+78.00	45.00	Rt	"C"	6+90.00	30.00	Rt		612							STD. DETAIL 27B
SC-7	4	"C"	5+90.00	18.00	Rt	"C"	6+90.00	18.00	Rt		100							STD. DETAIL 38A
SC-7	4	"C"	7+81.00	18.00	Lt	"C"	8+20.00	18.00	Lt		39							STD. DETAIL 27B
SC-7	4	"C"	7+83.00	9.00	Lt	"C"	8+20.00	9.00	Lt		37							STD. DETAIL 8
SC-7	4	"C"	7+85.00	2.00	Rt	"C"	8+20.00	2.00	Rt		35							STD. DETAIL 38A
SC-7	4	"C"	7+87.00	13.00	Rt	"C"	8+20.00	13.00	Rt		33							STD. DETAIL 21
SC-7	4	"C"	7+90.00	25.00	Rt	"C"	8+20.00	25.00	Rt		30							STD. DETAIL 27B
SC-7	4	"H"	102+00.00	10.00	Rt	"H"	102+79.00	28.00	Rt		79							STD. DETAIL 27B
SC-7	4	"H"	101+22.00	13.00	Lt	"H"	102+79.00	4.00	Lt		157							STD. DETAIL 22
SC-7	4	"H"	102+00.00	0.00	L/Rt	"H"	102+79.00	7.00	Rt		79							STD. DETAIL 38A
SC-7	4	"H"	102+00.00	20.00	Lt	"H"	102+79.00	33.00	Lt		79							STD. DETAIL 27B
SC-7	4	"H"	103+93.00	0.00	L/Rt	"H"	103+93.00		L/Rt		36							CROSSWALK
SC-7	4	"H"	103+83.00	0.00	L/Rt	"H"	103+83.00		L/Rt		53							CROSSWALK
SC-7	4	"C"	7+71.00	0.00	L/Rt	"C"	7+71.00		L/Rt		86							CROSSWALK
SC-7	4	"C"	7+81.00	0.00	L/Rt	"C"	7+81.00		L/Rt		80							CROSSWALK
SC-7	4	"H"	102+89.00	0.00	L/Rt	"H"	102+89.00		L/Rt		61							CROSSWALK
SC-7	4	"H"	102+79.00	0.00	L/Rt	"H"	102+79.00		L/Rt		71							CROSSWALK
SC-7	4	"C"	0+78.00	4.00	Rt	"C"	6+90.00	6.00	Rt			1255						12" WHITE PAVEMENT MARKING
SC-7	4	"C"	0+78.00	4.00	Rt	"C"	6+90.00	6.00	Rt			884						12" WHITE PAVEMENT MARKING (DIAGONAL)
SC-8	4	"C"	8+45.00	30.00	Rt	"C"	15+67.00	23.00	Rt							37		
SC-8	4	"C"	9+45.00	0.00	L/Rt	-	-	-	-			15						TYPE IV (L) ARROW
SC-8	4	"C"	8+20.00	21.00	Lt	"C"	16+40.00	21.00	Lt		820							STD. DETAIL 27B
SC-8	4	"C"	8+20.00	10.50	Lt	"C"	10+10.00	10.50	Lt		190							STD. DETAIL 8
SC-8	4	"C"	8+20.00	0.00	L/Rt	"C"	9+50.00		L/Rt		130							STD. DETAIL 38A
SC-8	4	"C"	8+20.00	10.50	Rt	"C"	9+50.00	10.50	Rt		130							STD. DETAIL 21
SC-8	4	"C"	8+20.00	22.50	Rt	"C"	16+40.00	16.00	Rt		820							STD. DETAIL 27B
SC-8	4	"C"	12+85.00	3.00	Rt	"C"	16+40.00	3.00	Rt		355							STD. DETAIL 21
SC-8	4	"C"	16+40.00	8.00	Lt	"C"	20+50.00	25.00	Lt		410							STD. DETAIL 27B
SC-8	4	"C"	16+40.00	3.00	Rt	"C"	20+84.00	2.50	Rt		444							STD. DETAIL 21
SC-8	4	"C"	16+40.00	2.00	Rt	"C"	20+84.00	3.50	Lt		444							STD. DETAIL 21
SC-8	4	"C"	16+40.00	15.00	Rt	"C"	20+50.00	10.00	Rt		410							STD. DETAIL 27B
SC-8	4	"C"	20+45.00	15.00	Lt	-	-	-	-			42						TYPE VI ARROW
SC-8	4	"C"	9+50.00	7.00	Rt	"C"	12+85.00	4.00	Rt			991						12" WHITE PAVEMENT MARKING
SC-8	4	"C"	9+50.00	7.00	Rt	"C"	12+85.00	4.00	Rt			184						12" WHITE PAVEMENT MARKING (DIAGONAL)
SC-8	4	"C"	14+00.00	1.00	Lt	"C"	16+40.00	4.00	Lt					240				
SC-8	4	"C"	14+00.00	11.00	Lt	"C"	16+40.00	16.00	Lt					240				
SC-8	4	"C"	14+00.00	12.00	Rt	"C"	16+40.00	4.00	Rt						240			
SC-8	4	"C"	16+40.00	14.00	Lt	"C"	20+50.00	22.00	Lt					410				
SC-8	4	"C"	16+40.00	4.00	Lt	"C"	20+50.00	12.00	Lt					410				
SC-8	4	"C"	16+40.00	4.00	Rt	"C"	20+84.00	3.00	Rt						410			
SC-8	4	"C"	19+88.00	4.00	Rt	"C"	20+84.00	3.00	Lt					70				
SC-9	5	"C"	7+90.00	23.00	Lt	"C"	8+05.00	23.00	Lt							2		
SUBTOTAL											5820	3371		1370	650	39		

* FOR TOTAL QUANTITY, SEE "ROADWAY QUANTITY" TABLE.

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
STAGE CONSTRUCTION
QUANTITIES

DRAWING: N09-300mb003.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
SCQ-3
81 of 106 SHEETS

STAGE CONSTRUCTION QUANTITIES

SHEET No.	STAGE	FROM				TO				TEMPORARY HOT MIX ASPHALT *	TEMPORARY TRAFFIC STRIPE (PAINT)	TEMPORARY PAVEMENT MARKING (PAINT)	REMOVE THERMOPLASTIC PAVEMENT MARKING	REMOVE THERMOPLASTIC TRAFFIC STRIPE	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	CHANNELIZER (SURFACE MOUNTED)	TEMPORARY CONSTRUCTION ENTRANCE	DESCRIPTION			
		LINE	STATION	OFFSET	L/Rt	LINE	STATION	OFFSET	L/Rt												
SC-9	5	"C"	7+81.00	18.00	Lt	"C"	8+20.00	18.00	Lt		39							STD. DETAIL 27B			
SC-9	5	"C"	7+83.00	6.00	Lt	"C"	8+20.00	6.00	Lt		37							STD. DETAIL 8			
SC-9	5	"C"	7+85.00	5.00	Rt	"C"	8+20.00	5.00	Rt		35							STD. DETAIL 21			
SC-9	5	"C"	7+87.00	16.00	Rt	"C"	8+20.00	16.00	Rt		67							12" WHITE PAVEMENT MARKING			
SC-9	5	"C"	7+87.00	16.00	Rt	"C"	8+20.00	16.00	Rt		7							12" WHITE PAVEMENT MARKING (DIAGONAL)			
SC-9	5	"C"	7+90.00	30.00	Rt	"C"	8+20.00	30.00	Rt		30							STD. DETAIL 27B			
SC-10	5	"C"	8+20.00	25.00	Lt	"C"	16+40.00	14.00	Lt							42					
SC-10	5	"C"	16+40.00	16.00	Lt	"C"	18+95.00	18.00	Lt							13					
SC-10	5	"C"	8+20.00	18.00	Lt	"C"	16+40.00	5.00	Lt		820							STD. DETAIL 27B			
SC-10	5	"C"	8+20.00	6.00	Lt	"C"	10+10.00	6.00	Lt		190							STD. DETAIL 38A			
SC-10	5	"C"	8+20.00	5.00	Rt	"C"	9+50.00	5.00	Rt		130							STD. DETAIL 38A			
SC-10	5	"C"	8+20.00	16.00	Rt	"C"	12+08.00		L/Rt		765							12" WHITE PAVEMENT MARKING			
SC-10	5	"C"	8+20.00	16.00	Rt	"C"	12+08.00		L/Rt		174							12" WHITE PAVEMENT MARKING (DIAGONAL)			
SC-10	5	"C"	12+08.00	18.00	Rt	"C"	16+40.00	6.00	Rt		432							STD. DETAIL 21			
SC-10	5	"C"	8+20.00	30.00	Rt	"C"	16+40.00	18.00	Rt		820							STD. DETAIL 27B			
SC-10	5	"C"	9+45.00	15.00	Rt	-	-	-	-			15						TYPE IV (L) ARROW			
SC-1 TO SC-9		"C"	0+74.74	0.00	L/Rt	"C"	43+40.57		L/Rt								2				
SUBTOTAL FROM SCQ-3																					
SUBTOTAL FROM SCQ-1																					
SUBTOTAL FROM SCQ-2											198.0	3224	482	84	2205	1772	116				
SUBTOTAL FROM SCQ-3																					
SUBTOTAL											198.0	18714	4149	84	3575	2422	218	2			

* FOR TOTAL QUANTITY, SEE "ROADWAY QUANTITY" TABLE.

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
STAGE CONSTRUCTION
QUANTITIES

DRAWING: N09-300mi004.dwg
DESIGNED: MAS
DRAWN: BC
CHECKED: J/PJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
SCQ-4
82 of 106 SHEETS

NOTE:

1. THIS PLAN ACCURATE FOR PAVEMENT DELINEATION AND SIGN WORK ONLY.
2. FOR ACCURATE RIGHT OF WAY DATA, SEE RIGHT OF WAY RECORD MAPS AT COUNTY OFFICE.
3. PAINT MEDIAN CURB FACE AND TOP AT NOSE FOR 2 FEET YELLOW PAINT CURB (2-COAT).

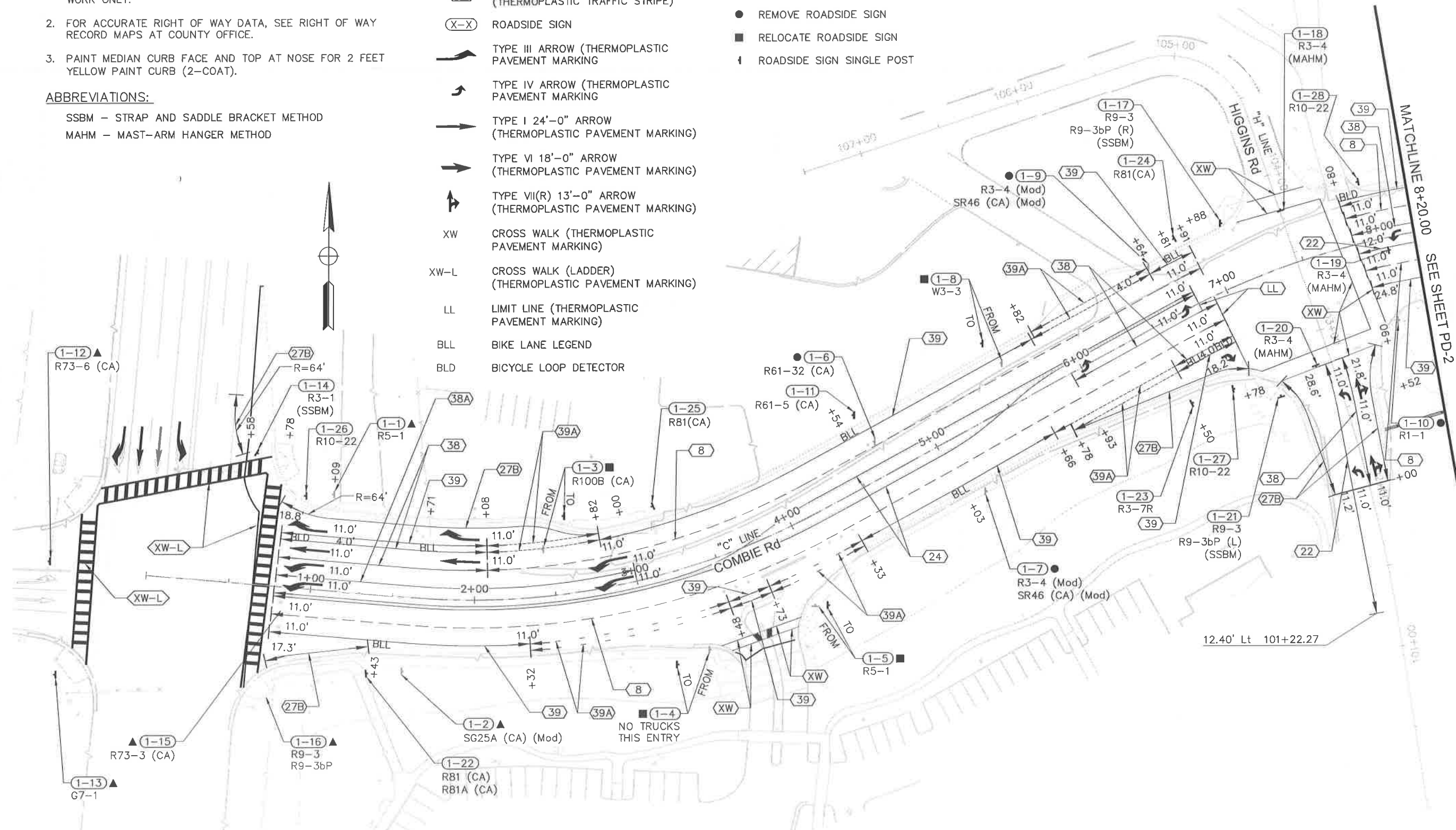
ABBREVIATIONS:

SSBM - STRAP AND SADDLE BRACKET METHOD
 MAHM - MAST-ARM HANGER METHOD

LEGEND:

- (No) TRAFFIC LINE DETAIL No. (THERMOPLASTIC TRAFFIC STRIPE)
- (X-X) ROADSIDE SIGN
- ▲ EXISTING SIGN TO REMAIN
- REMOVE ROADSIDE SIGN
- RELOCATE ROADSIDE SIGN
- ┆ ROADSIDE SIGN SINGLE POST
- TYPE III ARROW (THERMOPLASTIC PAVEMENT MARKING)
- TYPE IV ARROW (THERMOPLASTIC PAVEMENT MARKING)
- TYPE I 24'-0" ARROW (THERMOPLASTIC PAVEMENT MARKING)
- TYPE VI 18'-0" ARROW (THERMOPLASTIC PAVEMENT MARKING)
- TYPE VII(R) 13'-0" ARROW (THERMOPLASTIC PAVEMENT MARKING)
- XW CROSS WALK (THERMOPLASTIC PAVEMENT MARKING)
- XW-L CROSS WALK (LADDER) (THERMOPLASTIC PAVEMENT MARKING)
- LL LIMIT LINE (THERMOPLASTIC PAVEMENT MARKING)
- BLL BIKE LANE LEGEND
- BLD BICYCLE LOOP DETECTOR

100% SUBMITTAL



REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 PAVEMENT DELINEATION & SIGN PLAN

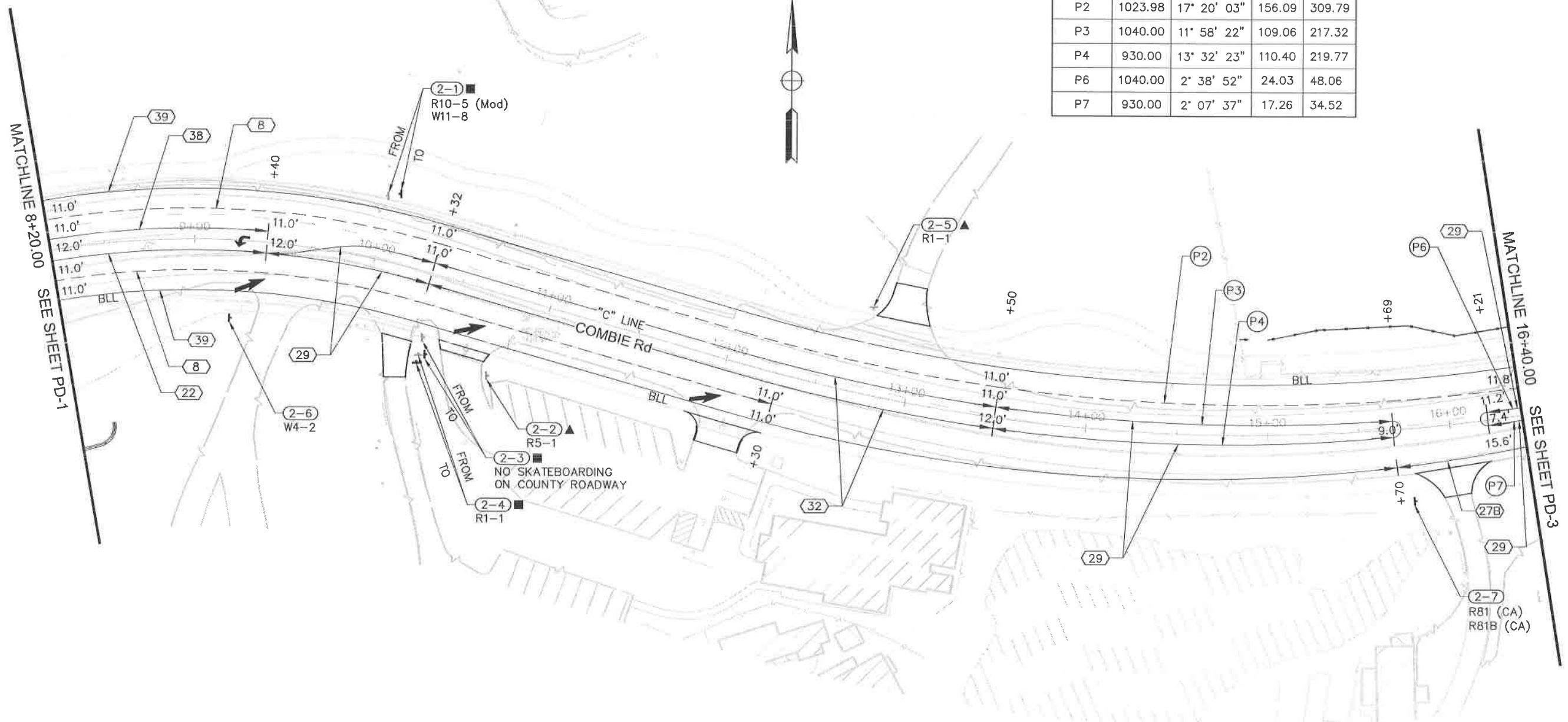
DRAWING: N09-300m201.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Sep 25, 2018

SCALE : 1" = 30'

SHEET
 PD-1
 83 of 106 SHEETS

100% SUBMITTAL

Curve Table				
Curve #	R	Δ	T	L
P2	1023.98	17° 20' 03"	156.09	309.79
P3	1040.00	11° 58' 22"	109.06	217.32
P4	930.00	13° 32' 23"	110.40	219.77
P6	1040.00	2° 38' 52"	24.03	48.06
P7	930.00	2° 07' 37"	17.26	34.52



REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION

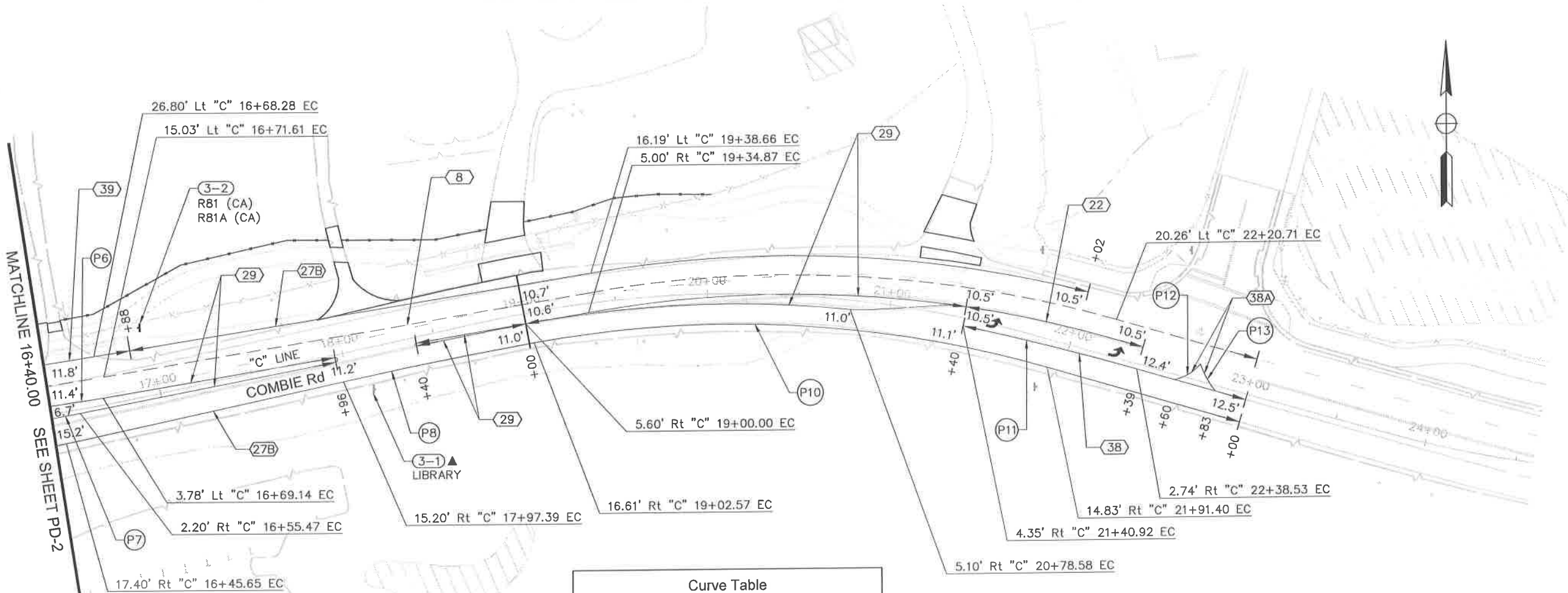


COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
PAVEMENT DELINEATION & SIGN PLAN

DRAWING: 809-300na02.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPL
JOB NO: N09-300
DATE: Apr 5, 2018

SCALE : 1" = 30'

SHEET
PD-2
84 of 106 SHEETS



Curve Table				
Curve #	R	Δ	T	L
P6	1040.00	2° 38' 52"	24.03	48.06
P7	930.00	2° 07' 37"	17.26	34.52
P8	2370.00	2° 31' 43"	52.31	104.60
P10	609.00	26° 28' 37"	143.27	281.42
P11	1500.00	3° 43' 09"	48.70	97.37
P12	25.00	37° 57' 41"	8.60	16.56
P13	50.00	19° 05' 04"	8.40	16.65

REVISIONS			
NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION

COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 PAVEMENT DELINEATION & SIGN PLAN

DRAWING: N09-300.mxd
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Apr 5, 2018

SCALE : 1" = 30'

PAVEMENT DELINEATION QUANTITIES

100% SUBMITTAL

SHEET No.	FROM			TO			DETAIL No.	THERMOPLASTIC TRAFFIC STRIPE					PAINT CURB (2-COAT) LF	PAVEMENT MARKER (RETROREFLECTIVE)		THERMOPLASTIC PAVEMENT MARKING SQFT	DESCRIPTION
	LINE	STATION	L/Rt	LINE	STATION	L/Rt		4"	6"	8"	4" (BROKEN 17-7)	6" (BROKEN 8-4)		TYPE D	TYPE G		
								LF	LF	LF	LF	LF		EA	EA		
PD-1	"C"	1+14	Lt	-	-	-											
PD-1	"C"	2+08	Lt	-	-	-										31	TYPE I 24-0" ARROW
PD-1	"C"	0+00	Lt	-	-	-										31	TYPE I 24-0" ARROW
PD-1	"C"	0+10	Lt	-	-	-										31	TYPE I 24-0" ARROW
PD-1	"C"	1+14	Lt	-	-	-										31	TYPE I 24-0" ARROW
PD-1	"C"	1+14	Lt	-	-	-										42	TYPE III (L) ARROW
PD-1	"C"	2+90	Lt	-	-	-										42	TYPE III (L) ARROW
PD-1	"C"	2+90	Lt	-	-	-										42	TYPE III (L) ARROW
PD-1	"C"	-+20	Lt	-	-	-										42	TYPE III (L) ARROW
PD-1	"C"	0+12	Lt	-	-	-										42	TYPE III (R) ARROW
PD-1	"C"	1+14	Lt	-	-	-										42	TYPE III (R) ARROW
PD-1	"C"	2+08	Lt	-	-	-										42	TYPE III (R) ARROW
PD-1	"C"	5+93	L/Rt	-	-	-										42	TYPE III (R) ARROW
PD-1	"C"	6+78	L/Rt	-	-	-										15	TYPE IV (L) ARROW
PD-1	"H"	102+52	L/Rt	-	-	-										15	TYPE IV (L) ARROW
PD-1	"C"	6+81	Rt	-	-	-										15	TYPE IV (L) ARROW
PD-1	"H"	102+00	Rt	-	-	-										15	TYPE IV (R) ARROW
PD-1	"H"	102+00	Lt	-	-	-										27	TYPE VII (R) ARROW
PD-1	"H"	102+52	Rt	-	-	-										15	TYPE IV (L) ARROW
PD-1	"C"	0+79	Lt	-	-	-										27	TYPE VII (R) ARROW
PD-1	"C"	1+71	Lt	-	-	-										2	BICYCLE LOOP DETECTOR
PD-1	"C"	4+54	Lt	-	-	-										7	BIKE LANE
PD-1	"C"	6+81	Lt	-	-	-										7	BIKE LANE
PD-1	"C"	1+43	Rt	-	-	-										7	BIKE LANE
PD-1	"C"	5+03	Rt	-	-	-										7	BIKE LANE
PD-1	"C"	6+60	Rt	-	-	-										7	BIKE LANE
PD-1	"C"	6+90	Rt	-	-	-										7	BIKE LANE
PD-1	"C"	3+37	Rt	-	-	-										2	BICYCLE LOOP DETECTOR
PD-1	"C"	3+42	Rt	-	-	-										35	CROSS WALK
PD-1	"H"	102+78	L/Rt	-	-	-										32	CROSS WALK
PD-1	"H"	102+88	L/Rt	-	-	-										60	CROSS WALK
PD-1	"C"	7+70	L/Rt	-	-	-										70	CROSS WALK
PD-1	"C"	7+80	L/Rt	-	-	-										85	CROSS WALK
PD-1	"C"	103+78	L/Rt	-	-	-										85	CROSS WALK
PD-1	"H"	103+88	L/Rt	-	-	-										52	CROSS WALK
PD-1	"C"	-+35	L/Rt	-	-	-										35	CROSS WALK
PD-1	"C"	-+25	Lt	"C"	+55	Lt										450	CROSS WALK LADDER
PD-1	"C"	0+78	L/Rt	-	-	-										510	CROSS WALK LADDER
PD-1	"C"	6+91	Rt	-	-	-										630	CROSS WALK LADDER
PD-1	"C"	0+78	L/Rt	-	-	-										45	LIMIT LINE
PD-1	"C"	-+28	Lt	"C"	+20	Lt										60	LIMIT LINE
PD-1	"C"	-+50	Rt	-	-	-										50	LIMIT LINE
PD-1	"C"	3+80	Rt	-	-	-										40	LIMIT LINE
PD-1	"C"	+78	Lt	"C"	2+08	Lt	38									12	LIMIT LINE
PD-1	"C"	+78	Lt	"C"	2+08	Lt	38										
PD-1	"C"	+78	Lt	"C"	2+08	Lt	39									6	
PD-1	"C"	+78	Lt	"C"	2+90	Lt	38A		130						6		
PD-1	"C"	5+93	Rt	"C"	6+91	Rt	38										
PD-1	"C"	6+50	Rt	"C"	6+91	Rt	38									98	
PD-1	"H"	102+00	Rt	"H"	102+78	Rt	38									5	
PD-1	"C"	7+80	Lt	"C"	8+20	Lt	38									2	
PD-1	"C"	+78	Lt	"C"	2+82	Lt	27B	196								4	
PD-1	"C"	+78	Rt	"C"	1+43	Rt	27B	62								2	
PD-1	"C"	2+82	Lt	"C"	5+82	Lt	39										
PD-1	"C"	+78	Rt	"C"	2+32	Rt	39		290								
PD-1	"C"	2+32	Rt	"C"	3+48	Rt	39A		159								
PD-1	"C"	2+32	Rt	"C"	3+48	Rt	39A										
PD-1	"C"	3+73	Rt	"C"	4+33	Rt	39A									124	
PD-1	"C"	3+73	Rt	"C"	4+33	Rt	39A									124	
PD-1	"C"	4+33	Rt	"C"	5+66	Rt	39									63	
PD-1	"C"	5+66	Rt	"C"	6+50	Rt	39A									63	
PD-1	"C"	5+78	Rt	"C"	6+50	Rt	39A									84	
SUBTOTAL								258	713	729		531		25	2886		

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
PAVEMENT DELINEATION
QUANTITIES

DRAWING: N09-300m001.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Sep 25, 2018

SHEET
PDQ-1
87 of 106 SHEETS

SIGN QUANTITIES

100% SUBMITTAL

SHEET No.	SIGN No.	SIGN CODE		SIGN MESSAGE	ROADSIDE SIGN - ONE POST	REMOVE ROADSIGN SIGN	RELOCATE ROADSIDE SIGN	INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)	INSTALL SIGN (MAST-ARM HANGER METHOD)	COMMENTS
		FEDERAL	CALIFORNIA		EA	EA	EA	EA	EA	
PD-1	1-3		R100B	UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR SPECIAL LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES WILL BE TOWED AWAY BY THE OWNER'S EXPENSE			1			
PD-1	1-4			NO TRUCKS THIS ENTRY			1			
PD-1	1-5	R5-1		DO NOT ENTER			1			
PD-1	1-6		R61-32	"DOUBLE LANE CONTROL" SYMBOL		1				
PD-1	1-7	R3-4 (Mod)		"U-TURN PROHIBITED" SYMBOL		1				
PD-1	1-7		SR46 (Mod)	EMERGENCY ACCESS KEEP CLEAR						
PD-1	1-8	W3-3		"STOPLIGHT/SIGNAL AHEAD" SYMBOL			1			
PD-1	1-9	R3-4 (Mod)		"U-TURN PROHIBITED" SYMBOL		1				
PD-1	1-9		SR46 (Mod)	EMERGENCY ACCESS KEEP CLEAR						
PD-1	1-10	R1-1		STOP		1				
PD-1	1-11		R61-5	"DOUBLE LANE CONTROL LEFT AND RIGHT TURN" SYMBOL	1					
PD-1	1-14	R3-1		"NO RIGHT TURN" SYMBOL			1			
PD-1	1-17	R9-3		NO PEDESTRIAN CROSSING			1			
PD-1	1-17	R9-3bP		"USE CROSSWALK" SYMBOL			1			
PD-1	1-18	R3-4		"U-TURN PROHIBITED" SYMBOL				1		
PD-1	1-19	R3-4		"U-TURN PROHIBITED" SYMBOL				1		
PD-1	1-20	R3-4		"U-TURN PROHIBITED" SYMBOL				1		
PD-1	1-21	R9-3		NO PEDESTRIAN CROSSING				1		
PD-1	1-21	R9-3bP		USE CROSSWALK			1			
PD-1	1-22		R81	BIKE LANE SYMBOL	1					
PD-1	1-22		R81A	BEGIN						
PD-1	1-23	R3-7R		RIGHT LANE MUST TURN RIGHT	1					
PD-1	1-24		R81	BIKE LANE SYMBOL	1					
PD-1	1-25		R81	BIKE LANE SYMBOL	1					
PD-1	1-26	R10-22		BIKE LANE SYMBOL	1					
PD-1	1-27	R10-22			1					
PD-1	1-28	R10-22			1					
PD-2	2-1	R10-5 (Mod)		LEFT ON GREEN ARROW ONLY						
PD-2	2-1	W11-8		"EMERGENCY VEHICLE (FIRE TRUCK)" SYMBOL			1			
PD-2	2-3			NO SKATEBOARDING ON COUNTY ROADWAY			1			
PD-2	2-4	R1-1		STOP			1			
PD-2	2-6	W4-2		LANE ENDS, MERGE LEFT	1					
PD-2	2-7		R81	BIKE LANE SYMBOL	1					
PD-2	2-7		R81B	END						
PD-3	3-2		R81	BIKE LANE SYMBOL	1					
PD-3	3-2		R81A	BEGIN						
TOTAL					11	4	7	3	3	

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
SIGN QUANTITIES

DRAWING: N09-300me001.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
SQ-1
89 OF 106 SHEETS

SIGN QUANTITIES

No. OF SIGNS	SIGN No.	SIGN CODE		PANEL SIZE (L x D)	SIGN AREA SQFT	SINGLE FACED	BACKGROUND		LEGEND		PROTECTIVE OVERLAY	ROADSIDE		DESCRIPTION (REMARKS)	
		FEDERAL	CALIFORNIA				SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	SHEETING COLOR	RETROREFLECTIVE ASTM TYPE		PREMIUM	0.063"		0.080"
													INCH x INCH		SQFT
1	1-11		R61-5	36X30	7.5	X	WHITE	VIII	BLACK	-	X	8		LEFT LANE LEFT TURN ONLY. RIGHT LANE THRU OR RIGHT	
1	1-14	R3-1		24X24	4.0	X	WHITE	VIII	BLACK	-	X	4		RIGHT TURN PROHIBITED	
3	1-18, 1-19, 1-20	R3-4		24X24	4.0	X	WHITE	VIII	BLACK	-	X	12		U-TURN PROHIBITED	
2	1-17, 1-21	R9-3		18X12	1.5	X	WHITE	VIII	BLACK	-	X	3		NO PEDESTRIAN CROSSING	
2	1-17, 1-21	R9-3bP		12X18	1.5	X	WHITE	VIII	BLACK	-	X	3		USE CROSSWALK	
5	1-22, 1-24, 1-25, 2-7, 3-2		R81	24X18	3.0	X	WHITE	VIII	BLACK	-	X	15		BIKE LANE	
2	1-22, 3-2		R81A	12X5	0.4	X	WHITE	VIII	BLACK	-	X	1		BEGIN	
1	2-7		R81B	8X5	0.3	X	WHITE	VIII	BLACK	-	X	1		END	
1	1-23	R3-7R		30X30	6.3	X	WHITE	VIII	BLACK	-	X	6		RIGHT LANE MUST TURN RIGHT	
3	1-26, 1-27, 1-28	R10-22		18X12	1.5	X	WHITE	VIII	BLACK	-	X	5		TO REQUEST GREEN WAIT ON	
1	2-6	W4-2		36X36	9.0	X	YELLOW	VIII	BLACK	-	X	9		LANE ENDS	
TOTAL												66.1			

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 SIGN QUANTITIES

DRAWING: N09-300me207.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPJ
 JOB NO: N09-300
 DATE: Apr 5, 2018

SHEET
 SQ-2
 90 OF 106 SHEETS

ROADWAY QUANTITIES

SHEET No.	FROM		TO		ROADWAY EXCAVATION	EMBANKMENT (N)	HOT MIX ASPHALT (TYPE A)	CLASS 2 AGGREGATE BASE	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)	REMOVE BASE AND SURFACING	COLD PLANE ASPHALT CONCRETE PAVEMENT	DETECTABLE WARNING SURFACE	REMOVE CONCRETE CURB, GUTTER AND SIDEWALK	REMOVE CONCRETE ISLAND	MINOR CONCRETE (CURB-MATCH EXIST)	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	MINOR CONCRETE (CURB AND GUTTER)	MINOR CONCRETE (ISLAND PAVING)	MINOR CONCRETE (DRIVEWAY)	MINOR CONCRETE (SIDEWALK)	MINOR CONCRETE (CURB RAMP)	COMMENTS	
	LINE	STATION	LINE	STATION	CY	CY	TON	CY	SQYD	CY	SQYD	SQFT	LF	SQYD	LF	CY	CY	CY	CY	CY	CY		
L-1	"C"	+58.45						3															
L-1	"C"	3+32.17						1														2.60	CURB RAMP
L-1	"C"	3+76.88						1														1.35	CURB RAMP
L-1	"C"	7+08.87						2														1.43	CURB RAMP
L-1	"C"	6+88.01						2														2.42	CURB RAMP
L-1	"C"	7+63.07						3														2.23	CURB RAMP
L-2	"C"	7+83.74						2														2.68	CURB RAMP
L-2	"C"	43+33.82						1														2.09	CURB RAMP
L-2	"C"	1+20.00						10	17	62												0.81	CURB RAMP
L-2	"C"	3+00.00						19	30	113									2.83				DWY No. 1
L-2	"C"	10+20.00						6	10	35									4.34				DWY No. 2
L-1	"C"	10+60.00						2	3	14									2.13				DWY No. 3
L-1, L-2	"C"	12+00.00						7	9	42													DWY No. 4
L-2	"C"	12+90.00						8	16	48													DWY No. 5
	"C"	15+00.00						5											5.85				DWY No. 6
L-1, L-2	"C"	16+00.00						7	9	40									1.39				DWY No. 7
	"C"	16+50.00						1	3	4													DWY No. 8
L-1	"C"	18+00.00						9	12	55									2.50				DWY No. 9
L-1, L-2	"C"	19+00.00						14	25	80									6.95				DWY No. 10
L-2	"C"	21+20.00						26	34	152													DWY No. 11
L-1	"C"	29+40.00						27	46	162													DWY No. 12
L-1	"C"	31+30.00						30	53	176									10.21				DWY No. 13
L-2	"C"	35+10.00						11	18	65									13.86				DWY No. 14
L-2	"C"	+64.69	"C"	17+97.67				644	1198										3.24				DWY No. 15
L-2	"C"	2+32.02	"C"	4+32.59				59	109														COMBIE NORTH STRUCTURAL SECTION
L-2	"H"	102+00.00	"H"	102+75.3				6	11														HIGGINS DWY STRUCTURAL SECTION
L-2	"C"	8+80.75	"C"	15+90.03				165	306														HIGGINS RD WEST STRUCTURAL SECTION
	"C"	+64.69	"C"	1+45.79				38															COMBIE SOUTH STRUCTURAL SECTION
C-5	"C"	6+50.00	"C"	8+80.							374												
	"C"	7+45.96	"C"	7+86.82							1209												
L-2	"H"	102+00.00	"H"	102+20.				8			50												
	"C"	13+85.00	"C"	14+30.							97												
SUBTOTAL							1098	1929	1048		1814								53.30		15.61		

(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
SUMMARY OF QUANTITIES

DRAWING: N09-300b001.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
Q-1
91 of 106 SHEETS

ROADWAY QUANTITIES

SHEET No.	FROM		TO		ROADWAY EXCAVATION	EMBANKMENT (N)	HOT MIX ASPHALT (TYPE A)	CLASS 2 AGGREGATE BASE	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)	REMOVE BASE AND SURFACING	COLD PLANE ASPHALT CONCRETE PAVEMENT	DETECTABLE WARNING SURFACE	REMOVE CONCRETE CURB, GUTTER AND SIDEWALK	REMOVE CONCRETE ISLAND	MINOR CONCRETE (CURB-MATCH EXIST)	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	MINOR CONCRETE (CURB AND GUTTER)	MINOR CONCRETE (ISLAND PAVING)	MINOR CONCRETE (DRIVEWAY)	MINOR CONCRETE (SIDEWALK)	MINOR CONCRETE (CURB RAMP)	COMMENTS
	LINE	STATION	LINE	STATION	CY	CY	TON	CY	SQYD	CY	SQYD	SQFT	LF	SQYD	LF	CY	CY	CY	CY	CY	CY	
L-1, L-2	"C"	16+30.00	"C"	16+70.							176											
	"C"	18+80.00	"C"	19+00.			9				91											
L-1	"C"	+64.69	"C"	19+00.			2311															OVERLAY VOLUME
L-1	"C"	+56.44	"C"	7+28.11				70									39					CURB (TYPE A2-6)
L-1	"C"	1+00.27	"C"	3+42.17				28									16					CURB (TYPE A2-6)
L-1, L-2	"C"	3+76.36	"H"	102+00.				44									25					CURB (TYPE A2-6)
L-2	"H"	102+00.00	"C"	10+32.37				34									19					CURB (TYPE A2-6)
	"C"	7+63.07	"C"	16+80.91				97									55					CURB (TYPE A2-6)
L-2	"C"	16+52.43	"C"	19+31.95				9									5					CURB (TYPE A2-6)
L-2	"C"	27+55.23	"C"	33+00.01				58									32					CURB (TYPE A2-6)
	"C"	34+32.43	"C"	35+34.22				11									6					CURB (TYPE A2-6)
L-2	"C"	42+56.69	"C"	43+20.8				6									4					CURB (TYPE A2-6)
L-2	"C"	+78.52	"C"	6+81.34													6					CURB (TYPE A3-6)
	"C"	+78.52	"C"	6+81.34													6					CURB (TYPE A3-6)
L-1	"C"	7+28.11	"H"	104+05.													0					CURB (TYPE A1-6)
L-1	"H"	104+05.00	"C"	7+63.07													0					CURB (TYPE A1-6)
L-1	"C"	3+51.81	"C"	3+79.45													2					CURB (TYPE A1-6)
															16.17							DWY No. 5
L-2															7.19							DWY No. 13
L-2														5.15	29.11							DWY No. 14
															11.43							DWY No. 15
															19.90							HIGGINS PORK CHOP ISLAND
L-2							6									3.20						VALLEY GUTTER AT DWY No. 13
L-2							9								4.46							VALLEY GUTTER AT DWY No. 14
	"C"	1+27.61	"C"	3+32.17				13													13.21	SIDEWALK
	"C"	3+85.67	"C"	6+88.01				19													18.66	SIDEWALK
	"C"	7+99.47	"C"	10+08.46				12													11.87	SIDEWALK
	"C"	7+85.03	"C"	18+76.89				115													114.88	SIDEWALK
	"C"	19+20.14	"C"	20+93.06				19													18.99	SIDEWALK
	"C"	27+55.23	"C"	28+97.6				14													13.95	SIDEWALK
	"C"	29+66.42	"C"	30+82.59				12													11.56	SIDEWALK
	"C"	31+76.12	"C"	43+36.58				112													111.82	SIDEWALK
SUBTOTAL							2320	686			268			5.15	83.80	7.66	216				314.95	

(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN/CONSTRUCTION DIVISION

COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT
 SUMMARY OF QUANTITIES

DRAWING: N09-300b002.dwg
 DESIGNED: MAS
 DRAWN: BG
 CHECKED: JPU
 JOB NO: N09-300
 DATE: Apr 5, 2018

ROADWAY QUANTITIES

SHEET No.	FROM		TO		ROADWAY EXCAVATION CY	EMBANKMENT (N) CY	HOT MIX ASPHALT (TYPE A) TON	CLASS 2 AGGREGATE BASE CY	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) SQYD	REMOVE BASE AND SURFACING CY	COLD PLANE ASPHALT CONCRETE PAVEMENT SQYD	DETECTABLE WARNING SURFACE SQFT	REMOVE CONCRETE CURB, GUTTER AND SIDEWALK LF	REMOVE CONCRETE ISLAND SQYD	MINOR CONCRETE (CURB-MATCH EXIST) LF	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION) CY	MINOR CONCRETE (CURB AND GUTTER) LF	MINOR CONCRETE (ISLAND PAVING) CY	MINOR CONCRETE (DRIVEWAY) CY	MINOR CONCRETE (SIDEWALK) CY	MINOR CONCRETE (CURB RAMP) CY	COMMENTS
	LINE	STATION	LINE	STATION																		
	"C"	3+25.65	"C"	5+92.76														38				ISLAND PAVING
	"C"	1+24.66	"C"	1+36.13									11.00									HIGGINS MARKETPLACE
	"C"	27+55.23	"C"	27+93.78									40.00									EAST SIDEWALK CONFORM
	"C"	3+71.05	"C"	3+99.31										5								HIGGINS DRIVEWAY
	"C"	6+07.97	"C"	6+55.12						20												EXISTING FIRESTATION DRIVEWAY
	"C"	+64.69	"C"	17+97.67	3583	9																COMBIE NORTH-WEST
	"C"	1+08.86	"C"	2+32.02	4	17																HIGGINS MARKETPLACE WEST
	"C"	4+32.59	"C"	102+00.00	27	101																HIGGINS ROAD WEST
	"H"	102+00.00	"C"	15+90.03	110	161																HIGGINS ROAD EAST
	"C"	16+80.12	"C"	20+93.14	21	105																SIDEWALK WEST
	"C"	27+58.71	"C"	43+20.05	556	113																SIDEWALK EAST
	"C"	16+80.12	"C"	43+20.05	181	86																LANDSCAPE
	"C"	2+32.02	"C"	4+32.59	156																	HIGGINS MARKETPLACE DWY
	"C"	9+54.20	"C"	9+96.80	6	9																HIGGINS MARKETPLACE SIDEWALK
	"C"	8+54.11	"C"	8+80.75	112	165																NORTHRIDGE GRADING
	"C"	3+55.00										16.0										
	"C"	3+65.00										16.0										
SUBTOTAL FROM SHEET Q-3					4758	767				20		32.0	51.00	5				38				
FROM STAGE CONSTRUCTION QUANTITIES							196															
SUBTOTAL FROM SHEET Q-1							1098	1929	1048				1814						53		16	
SUBTOTAL FROM SHEET Q-2							2320	686				268			5	84	8	216			315	
TOTAL					4758	767	3616	2615	1048	20		2082	32.0	51.00	10	84	8	216	38	53	315	16

(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
SUMMARY OF QUANTITIES

DRAWING: N09-300b003.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

FENCE QUANTITIES

SHEET No.	FROM			TO			RELOCATE GATE	REMOVE FENCE	FENCE (TYPE BW, 4-STRAND, WOOD POST)
							SQFT	LF	LF
EC-1	"C"	14+85	Lt	"C"	14+89.23	Lt			5
EC-1	"C"	15+00.58	Lt	"C"	16+45.77	Lt			140
EC-1	"C"	16+53.28	Lt	"C"	18+05.81	Lt			154
EC-1	"C"	18+12.65	Lt	"C"	18+89.65	Lt			79
EC-1	"C"	19+08.25	Rt	"C"	20+02.84	Rt			104
EC-1	"C"	15+00.00	Rt	-	-	-	1		
EC-1	"C"	19+00.00	Rt	-	-	-	1		
EC-1	"C"	14+84.61	Lt	"C"	15+73.58	-		119	
EC-1	"C"	16+56.72	Rt	"C"	18+04.60	-		156	
EC-1	"C"	18+32.01	Lt	"C"	20+02.84	-		181	
TOTAL							2	456	482

REVISIONS

NO.	DESCRIPTION	BY	DATE



NEVADA COUNTY
DEPARTMENT OF PUBLIC WORKS
DESIGN/CONSTRUCTION DIVISION



COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
SUMMARY OF QUANTITIES

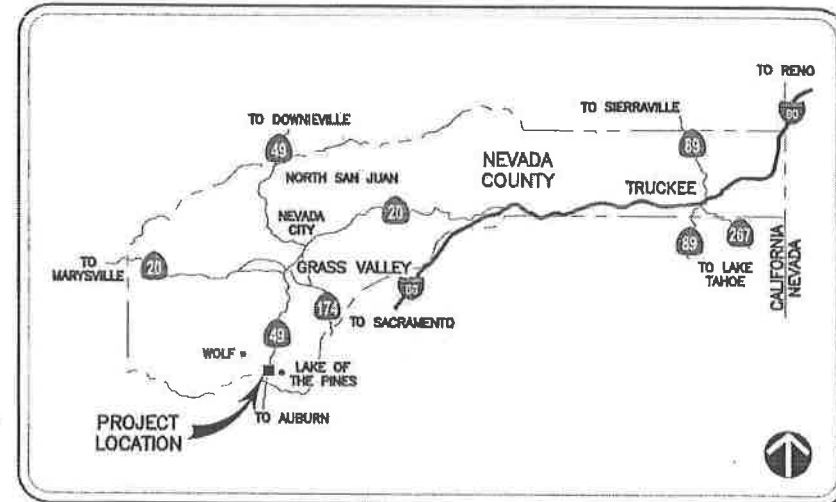
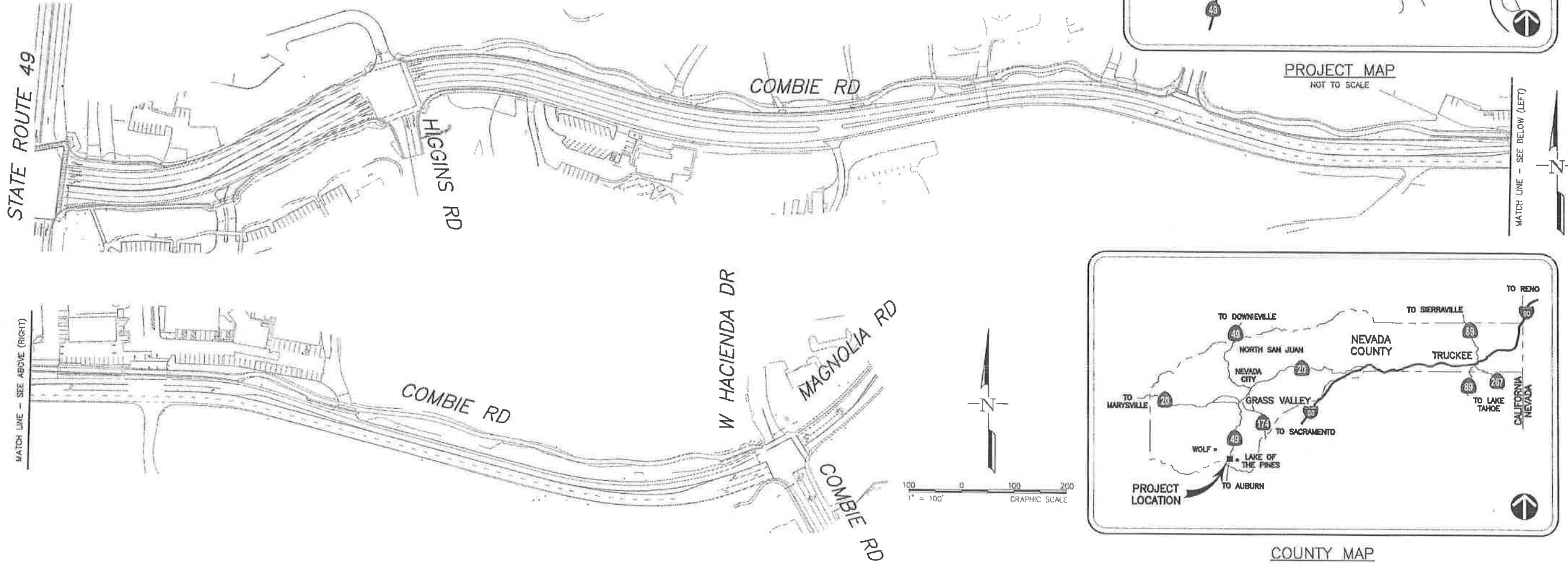
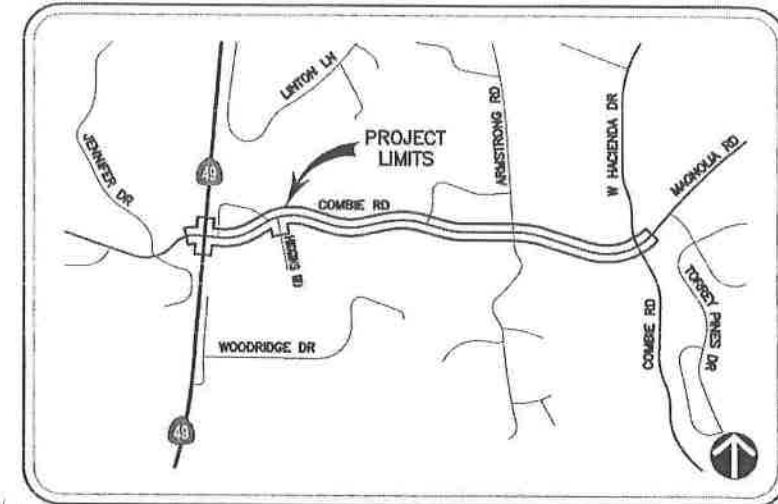
DRAWING: N09-300.dwg
DESIGNED: MAS
DRAWN: BG
CHECKED: JPJ
JOB NO: N09-300
DATE: Apr 5, 2018

SHEET
Q-4
94 of 106 SHEETS

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE 2015 EDITION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS AND STANDARD SPECIFICATIONS AND MOST RECENT REVISIONS, 2014 CALIFORNIA MUTCD, AND THE SPECIAL PROVISIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL EXISTING UNDERGROUND UTILITIES, WHETHER OR NOT THEY ARE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL CONTACT USA (800-227-2600) AT LEAST 48 HOURS BEFORE BEGINNING WORK.
3. EXISTING IMPROVEMENTS, INCLUDING SUBSTRUCTURES, THAT ARE DAMAGED BY THE CONTRACTOR, WHICH ARE NOT DESIGNATED BY THE PLANS OR SPECIFICATIONS TO BE DISTURBED, SHALL BE RESTORED OR REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
4. THE CONTRACTOR SHALL POSSESS A VALID CLASS A OR C10 CONTRACTOR'S LICENSE AT THE TIME OF BID OPENING AND FOR THE DURATION OF THE PROJECT.

IMPROVEMENT PROJECT PLANS FOR NEVADA COUNTY DEPARTMENT OF PUBLIC WORKS COMBIE ROAD CORRIDOR IMPROVEMENT PROJECT



NO.	DATE	REVISIONS DESCRIPTION
1	8/23/18	
2		
3		
4		
5		
6		
7		
8		
9		
10		

FEHR & PEERS
 103 Galleria Boulevard
 Suite 255
 Roseville, CA 95678
 (916) 775-5000

**COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT
COVER SHEET**

SHEET
E-1
OF

SHEET INDEX:

NO.	SHEET TITLE
E-1	COVER SHEET
E-2 to E-4	COMBIE ROAD AND STATE ROUTE 49 TRAFFIC SIGNAL MODIFICATION PLAN
E-5 to E-6	COMBIE ROAD AND HIGGINS ROAD TRAFFIC SIGNAL INSTALLATION PLAN
E-7	COMBIE ROAD STREET LIGHTING PLAN

APPLICABLE 2015 CALTRANS STANDARD PLANS

RSP ES-1A	RSP ES-3C	RSP ES-5B	RSP ES-7G	RSP ES-8A
RSP ES-1B	ES-4A	ES-5C	RSP ES-7H	RSP ES-10A
RSP ES-1C	ES-4B	ES-5D	RSP ES-7N	RSP ES-11
ES-2A	RSP ES-4C	RSP ES-6A	RSP ES-7N	RSP ES-13A
ES-2C	RSP ES-4D	RSP ES-7A	ES-7O	RSP ES-13B
RSP ES-2D	ES-4E	RSP ES-7B	ES-7P	
ES-3A	RSP ES-5A	RSP ES-7F	ES-7R	

ABBREVIATIONS:

PG&E PACIFIC GAS & ELECTRIC

APPROVED BY:

_____ PRINCIPAL CIVIL ENGINEER DEPARTMENT OF PUBLIC WORKS	_____ R.C.E. DATE
_____ DIRECTOR DEPARTMENT OF PUBLIC WORKS	_____ DATE
_____ CHAIR BOARD OF SUPERVISORS	_____ DATE

Underground Service Alert
 Call: TOLL FREE
811/800
227-2600
 TWO WORKING DAYS BEFORE YOU DIG

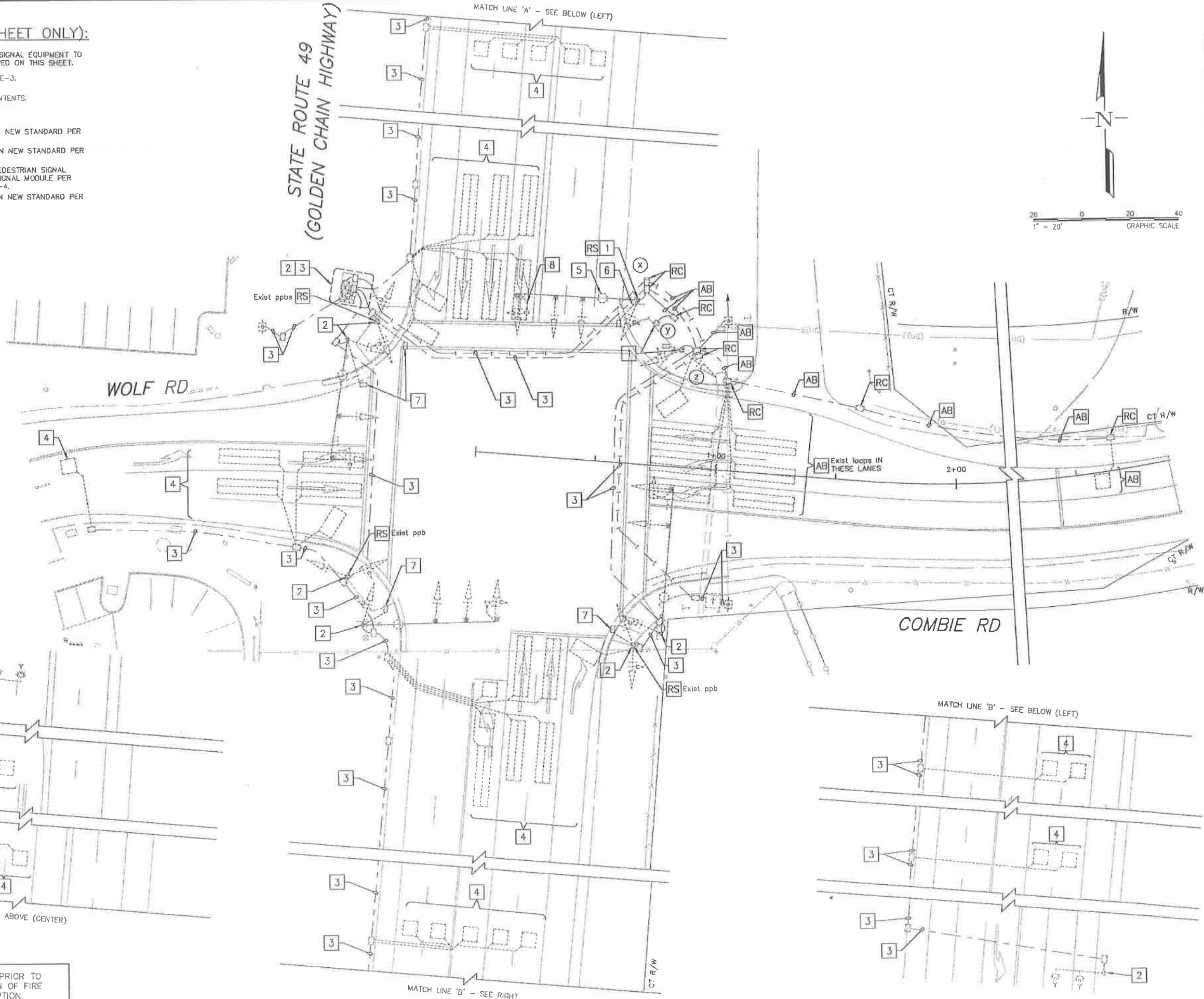
Sep 18, 2018 CADD FILE: 3297-E01-E06_Signaled.dwg

Fehr & Peers Associates, its employees, its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

PROJECT NOTES (FOR THIS SHEET ONLY):

- 1 REMOVE SIGNAL POLE AND FOUNDATION. SALVAGE SIGNAL EQUIPMENT TO CALTRANS. SEE SCHEDULE OF POLES TO BE REMOVED ON THIS SHEET.
- 2 Exist pole AND equipment TO REMAIN. SEE SHEET E-3.
- 3 Exist conduit TO REMAIN. SEE SHEET E-3 FOR CONTENTS.
- 4 Exist loops TO REMAIN.
- 5 Exist luminaire TO BE REMOVED AND INSTALLED ON NEW STANDARD PER SHEET E-3.
- 6 Exist G7-1 sns TO BE REMOVED AND INSTALLED ON NEW STANDARD PER SHEET E-3.
- 7 REMOVE Exist PEDESTRIAN SIGNAL module FROM PEDESTRIAN SIGNAL housing. REPLACE WITH COUNTDOWN PEDESTRIAN SIGNAL MODULE PER PROJECT SPECIFICATIONS AND SHEETS E-3 AND E-4.
- 8 Exist svud unit TO BE REMOVED AND INSTALLED ON NEW STANDARD PER SHEET E-3.

POLE REMOVAL SCHEDULE			
LOC	STANDARD TYPE	SIG. MA (FEET)	LUM. MA (FEET)
(X)	(29A-S-129)	(50')	(15')
(Y)	(PPB POST)	-	-
(Z)	(1-B)	-	-



REVISIONS	
NO.	DESCRIPTION

DRAWN BY: D. MURPHY
 DESIGNED BY: D. MURPHY
 CHECKED BY: K. CALIA
 DATE: SEPTEMBER 2018
 PROJECT NO: RS15-3297

FEHR & PEERS
 103 Galleria Boulevard
 Suite 255
 Roseville, CA 95678
 (916) 773-8800

**COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT**
 COMBIE ROAD AND STATE ROUTE 49
 SIGNAL EQUIPMENT REMOVAL PLAN

SHEET
E-2
 — OF —

SEP 18, 2018 C:\GD_PLC_1297-E01-E06_Signals.dwg

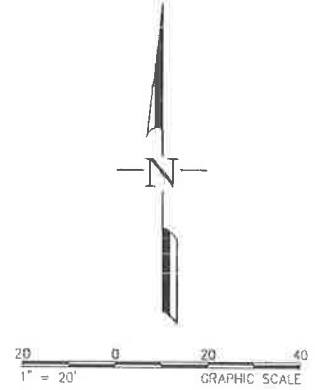
Underground Service Alert
 Call: TOLL FREE
**811/800
 227-2800**
 TWO WORKING DAYS BEFORE YOU DIG.

NOTIFY CDF PRIOR TO
 INTERRUPTION OF FIRE
 PRE-EMPTION.

Fehr & Peers Associates, its employees, its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

PROJECT NOTES (FOR THIS SHEET AND E-4 ONLY):

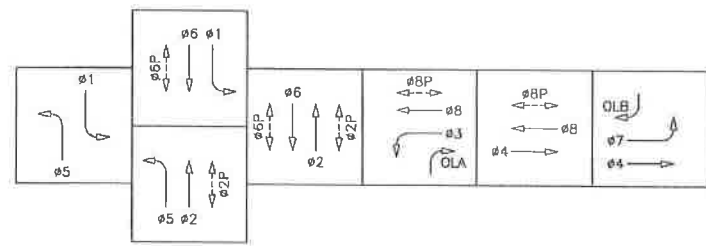
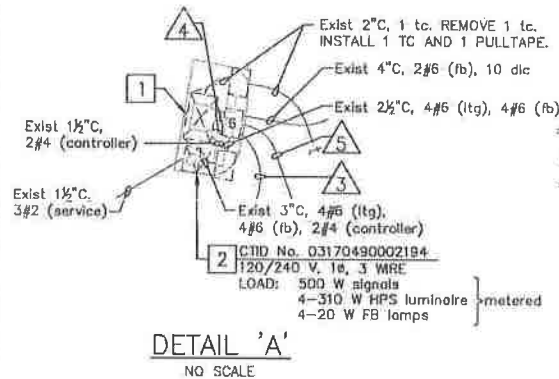
- 1 Exist 332 cabinet WITH 2070 controller AND bus TO REMAIN.
- 2 Exist TYPE III-AF service equipment enclosure WITH TYPE V pdu TO REMAIN.
- 3 NEW SIGNAL POLES TO BE POWDER COAT BLACK TO MATCH EXISTING EQUIPMENT.
- 4 INSTALL LED COUNTDOWN PEDESTRIAN SIGNAL INTO Exist PEDESTRIAN SIGNAL housing.
- 5 INSTALL ACCESSIBLE PEDESTRIAN SIGNAL.
- 6 INSTALL Exist luminaire REMOVED ON SHEET E-2.
- 7 INSTALL DETECTOR LOOP ARRANGEMENT PER DETAIL 'B' ON SHEET E-4. WIND LOOPS PER CALTRANS STANDARD PLANS RSP ES-5A AND RSP ES-5B. SPLICE LOOPS PER DETAIL 'C' ON SHEET E-4.
- 8 INSTALL Exist G7-1 sns REMOVED ON SHEET E-2.
- 9 REALIGN Exist signal heads AND Exist evud AS SHOWN.
- 10 INSTALL Exist evud REMOVED ON SHEET E-2.
- 11 SPLICE Exist loop wires TO NEW DLC.
- 12 INSTALL 3'x3' TYPE D DETECTOR LOOP WITH FRONT OF LOOP OFFSET 1' FROM THE LIMIT LINE.



STATE ROUTE 49
(GOLDEN CHAIN HIGHWAY)

WOLF RD

COMBIE RD



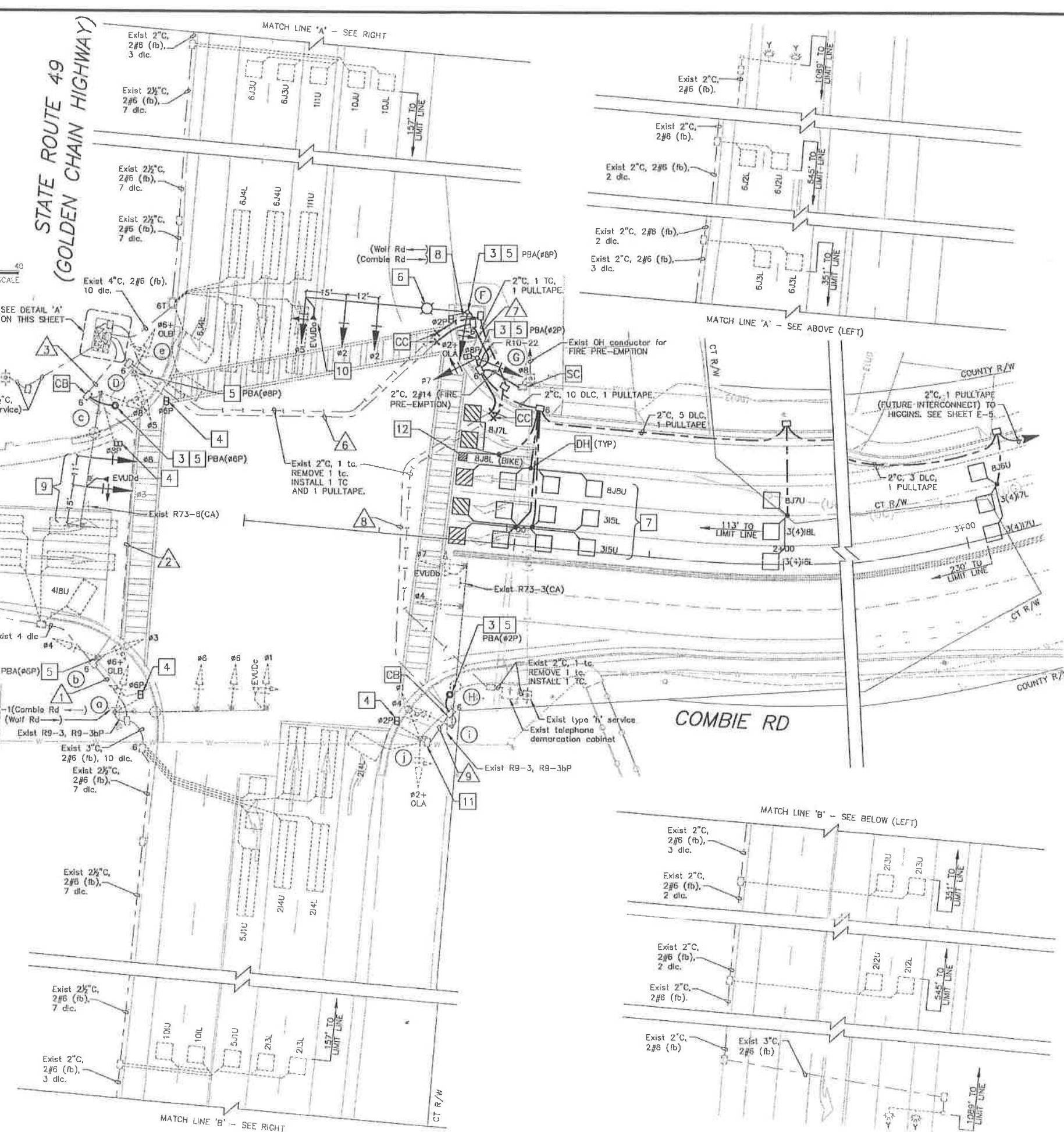
PROPOSED PHASE DIAGRAM
STEADY DEMAND SEQUENCE

PHASES 3 AND 7 SHALL NOT OPERATE CONCURRENTLY.

- EVUDa = #2 + #5
- EVUDb = #4 + #7
- EVUDc = #6 + #1
- EVUDd = #8 + #3

EMERGENCY VEHICLE PREEMPTION

DESIGN SPEED:
COMBIE ROAD = 40 MPH



NO.	DATE	DESCRIPTION	BY
1	X/XX/XX		

DRAWN BY: D. MURPHY
 DESIGNED BY: D. MURPHY
 CHECKED BY: K. CALIA
 DATE: SEPTEMBER 2018
 PROJECT NO: RS15-3297

**COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT**
 COMBIE ROAD AND STATE ROUTE 49
 TRAFFIC SIGNAL MODIFICATION PLAN

SHEET
E-3
 OF 1

Sep 18, 2018 CADD FILE: 3287-ED1-C06_Signals.dwg

Underground Service Alert
 Call: TOLL FREE
**811/800
227-2600**
 1-3 WORKING DAYS BEFORE YOU DIG

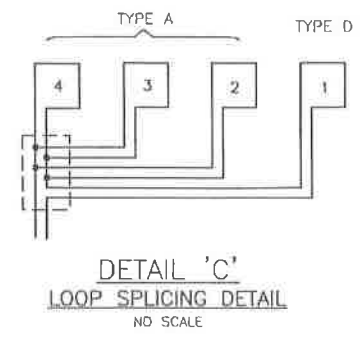
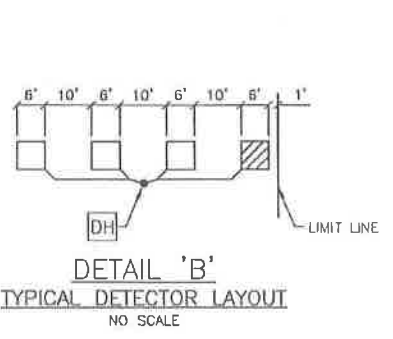
Fehr & Peers Associates, its employees, its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

CONDUCTOR SCHEDULE																				
CONDUCTOR DESIGNATION			NUMBER OF CONDUCTORS																	
CABLE TYPE	S T D	PHASE	RUN NUMBER AND SIZE (in)																	
			1 (3")	2 (4")	3 (4")	4 (3-4")	5 (4")	6 (4")	7 2-3"	8 2 1/2"	9 1 1/2"									
VEH-PED 12CSC	a	1,6+0LB,6P	(1)	(1)	(1)	(1)														
	b	3,4	6	(1)	(1)	(1)	(1)	(1)												
	c	3,8,8P			(1)	(1)														
	d		6																	
	e	5,6+0LB,6P	8				1	1	1											
	f	2+0LA,5,2P	8				1	1	1	1	1									
	g	7,8,8P	2				1	1	1	1	1									
	h		2				1	1	1	1	1									
PPB 3CSC	i	4,7				1	1	1	1	1										
	j	1,2+0LA,2P				1	1	1	1	1										
TOTAL CABLES 12/3 CONDUCTORS			(1)	(2)	(3)	(3)	(5)	5	4	4	3	2	2	1						
#14	FIRE PRE-EMPTION					2	2	2	2											
#6	LIGHTING		(2)	(2)	(2)		2	2	2	2										
	FLASHING BEACON		(2)	(2)	(2)															
TYPE B DLC	ø1					(2)														
	ø2		(6)	(6)	(6)	(6)	1	1	1	1	1	1	1							
	ø3					5	5	5	5											
	ø4		(3)	(3)	(3)															
	ø5		(2)	(2)	(2)	(2)														
	ø6					(6)														
	ø7		(1)	(1)	(1)															
	ø8					5	5	5	5											
COUNT LOOP		(2)	(2)	(2)	(4)															
TOTAL DLCs PER RUN			(10)	(14)	(14)	(24)	11	11	11	1	1									
EVUC (OPTICOM 138)			(1)	(1)	(2)	(2)	2	2	1	1										
GPS RADIO EVUC (OPTICOM 1070)					(1)	(1)														
PULLTAPE (FUTURE INTERCONNECT)						1	1	1	1											
PERCENT FILL			21	18	24	18	28	24	17	25	22									

NOTES:
 ALL CONDUITS, CABLES, AND CONDUCTORS SHALL BE NEW UNLESS OTHERWISE NOTED.
 (XX) = DENOTES EXISTING CONDUIT OR CONDUCTOR TO REMAIN

EQUIPMENT SCHEDULE											
LOC	STANDARD	TYPE	SIG. MA (FEET)	LUM. MA (FEET)	VEHICLE SIGNAL MOUNTING		PEDESTRIAN SIGNAL MOUNTING	APS PBA		HPS LUMINAIRE	REMARKS
					MAST ARM	POLE		ø	ARROW		
a	(61A-5-129)	(55')	(15')	(MAT) (MAS) (MAS)	(SV-1-TB)	(SP-1-T)	-	-	(310 W)	4	(EVUDc), (G7-1 sign), (R9-3 sign), AND (R9-3bP sign).
b	(1-B)	-	-	-	(TV-2-T)	-	ø6	→	-	5	
c	(29A-5-129)	(50')	(15')	(MAT) (MAS)	(SV-1-TB)	(SP-1-T)	-	-	(310 W)	4 9	(GPS EVP radio), (EVUDd), (R73-6(CA) sign).
d	PPB POST	-	-	-	-	-	ø6	←	-	3 5	
e	(1-B)	-	-	-	(TV-2-T)	(SP-1-T)	ø8	→	-	4 5	
f	61A-5-100	60'	15'	MAT MAS MAS	SV-1-TB	SP-1-T	ø8	→	6 310 W	3 5 8 10	INSTALL EVUDa ATOP SIGNAL HEAD.
g	1-B	-	-	-	TV-2-T	SP-1-T	ø2	→	-	3 5	INSTALL R10-22 SIGN ON SIGNAL POLE.
h	PPB POST	-	-	-	-	-	ø2	←	-	3 5	
i	(61A-5-129)	(60')	(15')	(MAT) (MAS)	(SV-1-TB)	-	-	-	(310 W)		(EVUDb), (R73-3(CA) sign), (R9-3 sign), (R9-3bP sign).
j	(1-B)	-	-	-	(TV-2-T)	(SP-1-T)	-	-	-	4	

NOTES:
 (XX) = DENOTES EXISTING EQUIPMENT TO REMAIN
 1. ALL EQUIPMENT IS NEW UNLESS OTHERWISE NOTED.
 2. PEDESTRIAN PUSH BUTTONS SHALL BE ACCESSIBLE PEDESTRIAN SIGNALS (APS) WITH 9"x15" R10-3E SIGN.
 3. PEDESTRIAN SIGNALS SHALL BE LED COUNTDOWN PEDESTRIAN SIGNAL MODULE.
 4. SEE SHEET E-3 FOR PROJECT NOTES



Sep 18, 2018 CADD FILE: 1297-ED1-ED6_Synote.dwg

REVISIONS

NO.	DATE	DESCRIPTION	BY

PROFESSIONAL ENGINEER
 K. CALIA
 No. 92461
 Exp. 9/30/18
 STATE OF CALIFORNIA

DRAWN BY: D. MURPHY
 DESIGNED BY: D. MURPHY
 CHECKED BY: K. CALIA
 DATE: SEPTEMBER 2018
 PROJECT NO: RS16-3297

FEHR & PEERS
 100 Galleria Boulevard
 Suite 255
 Roseville, CA 95678
 (916) 776-9900

**COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT**
 COMBIE ROAD AND STATE ROUTE 49
 EQUIPMENT AND CONDUCTOR SCHEDULES

SHEET
E-4
 — OF —

GENERAL NOTES (FOR THIS SHEET AND SHEET E-6 ONLY):

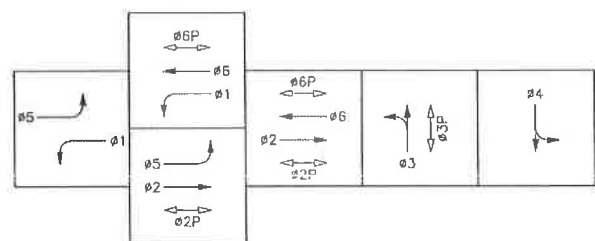
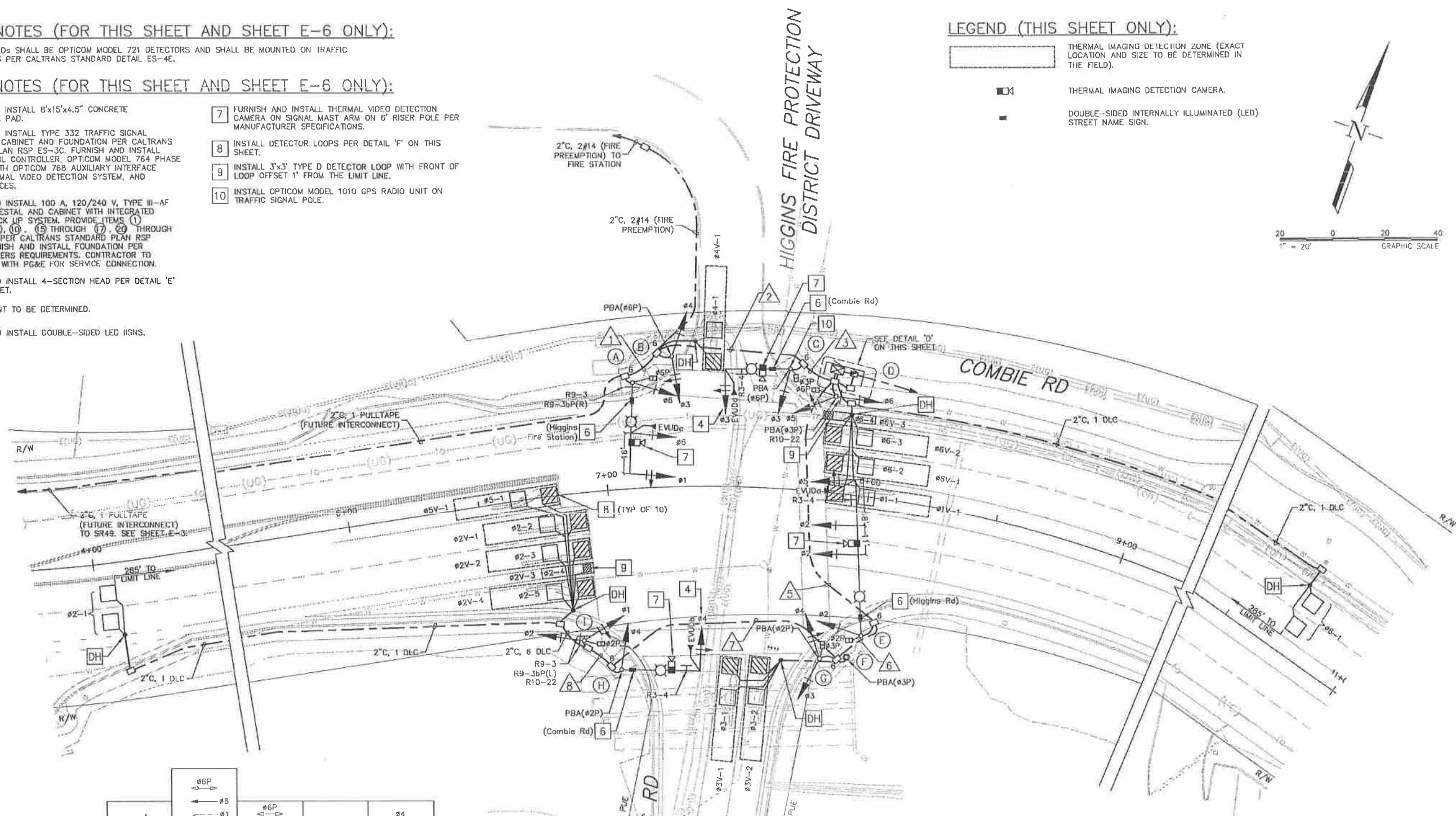
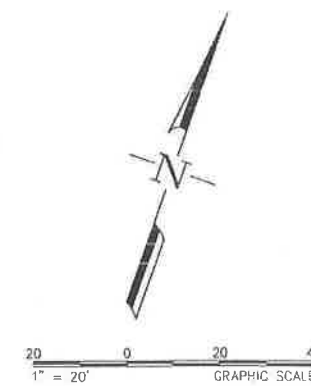
1. INFRARED EVUDs SHALL BE OPTICOM MODEL 721 DETECTORS AND SHALL BE MOUNTED ON TRAFFIC SIGNAL HEADS PER CALTRANS STANDARD DETAIL ES-4E.

PROJECT NOTES (FOR THIS SHEET AND SHEET E-6 ONLY):

- 1 FURNISH AND INSTALL 8'x15'x4.5" CONCRETE MAINTENANCE PAD.
- 2 FURNISH AND INSTALL TYPE 332 TRAFFIC SIGNAL CONTROLLER CABINET AND FOUNDATION PER CALTRANS STANDARD PLAN RSP ES-3C. FURNISH AND INSTALL NAZTEC 2070L CONTROLLER, OPTICOM MODEL 764 PHASE SELECTOR WITH OPTICOM 76B AUXILIARY INTERFACE PANEL, THERMAL VIDEO DETECTION SYSTEM, AND APPURTENANCES.
- 3 FURNISH AND INSTALL 100 A, 120/240 V, TYPE III-AF SERVICE PEDESTAL AND CABINET WITH INTEGRATED BATTERY BACK UP SYSTEM. PROVIDE ITEMS (1) THROUGH (6), (10), (15) THROUGH (17), (20) THROUGH (23) AND (27) PER CALTRANS STANDARD PLAN RSP ES-2D. FURNISH AND INSTALL FOUNDATION PER MANUFACTURERS REQUIREMENTS. CONTRACTOR TO COORDINATE WITH PG&E FOR SERVICE CONNECTION.
- 4 FURNISH AND INSTALL 4-SECTION HEAD PER DETAIL 'E' ON THIS SHEET.
- 5 SERVICE POINT TO BE DETERMINED.
- 6 FURNISH AND INSTALL DOUBLE-SIDED LED ISNS.
- 7 FURNISH AND INSTALL THERMAL VIDEO DETECTION CAMERA ON SIGNAL MAST ARM ON 6' RISER POLE PER MANUFACTURER SPECIFICATIONS.
- 8 INSTALL DETECTOR LOOPS PER DETAIL 'F' ON THIS SHEET.
- 9 INSTALL 3'x3' TYPE D DETECTOR LOOP WITH FRONT OF LOOP OFFSET 1' FROM THE LIMIT LINE.
- 10 INSTALL OPTICOM MODEL 1010 GPS RADIO UNIT ON TRAFFIC SIGNAL POLE.

LEGEND (THIS SHEET ONLY):

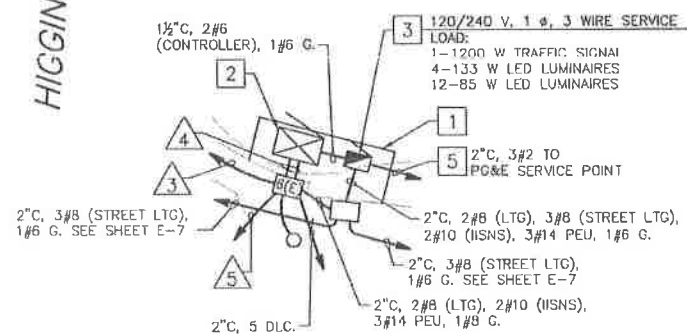
- THERMAL IMAGING DETECTION ZONE (EXACT LOCATION AND SIZE TO BE DETERMINED IN THE FIELD).
- THERMAL IMAGING DETECTION CAMERA.
- DOUBLE-SIDED INTERNALLY ILLUMINATED (LED) STREET NAME SIGN.



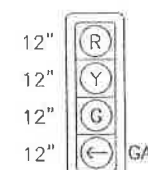
PROPOSED PHASE DIAGRAM
STEADY DEMAND SEQUENCE

EVUDa = #2 + #5
EVUDb = #4
EVUDc = #6 + #1
EVUDd = #3

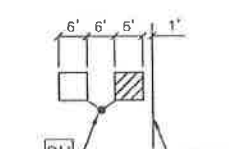
EMERGENCY VEHICLE PREEMPTION



DETAIL 'D'
NOT TO SCALE



DETAIL 'E'
4-SECTION HEAD
NOT TO SCALE



DETAIL 'F'
TYPICAL DETECTOR LAYOUT
NO SCALE

NO.	DATE	DESCRIPTION	BY



DRAWN BY: D. MURPHY
DESIGNED BY: D. MURPHY
CHECKED BY: K. CALIA
DATE: SEPTEMBER 2018
PROJECT NO: RS15-3297

FEHR PEERS
Roseville, CA 95678
904 Galleria Boulevard
Suite 255
(916) 773-7900

COMBIE ROAD CORRIDOR IMPROVEMENT PROJECT
COMBIE ROAD AND HIGGINS ROAD
TRAFFIC SIGNAL INSTALLATION PLAN

SHEET
E-5
— OF —

Sep 18, 2018 CADD FILE: 2257-101-1006_Signals.dwg
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AWG OR CABLE	CONDUCTOR SCHEDULE								
	CONDUCTOR DESIGNATION	NUMBER OF CONDUCTORS							
		RUN NUMBERS							
		1	2	3	4	5	6	7	8
NO. 14	#1	3	3	3	6	3	3	3	3
	#2				3	3	3	3	3
	#3		3	3	6	3	3		
	#4		3	3	6	3	3	3	
	#5				3	3			
	#6	3	3	3	3				
	#2P				2	2	2	2	2
	#3P			2	4	2	2		
	#6P	2	2	2	2				
	PPB (#2P)				1	1	1	1	
	PPB (#3P)				1	1	1		
	PPB (#6P)		1	1	1				
	PPB COMMON		1	1	1	1	1	1	
	PHOTOELECTRIC UNIT (120 V)				3				
	SPARES	3	3	3	6	3	3	3	3
TOTAL NO. 14	11	19	24	45	25	22	16	11	
NO. 10	LED ISNS	2	2	2		2	2	2	
	LUMINAIRES (240 V)	2	2	2		2	2	2	
NO. 8	SIGNAL COMMON	1	1	1	1	1	1	1	
	TOTAL NO. 8	3	3	3	1	3	3	1	
DLC	#1 (WB)				1				
	#2 (EB)				5	5	5	5	
	#3 (NB)				2	2	2		
	#4 (SB)		1	1	1				
	#5 (EB)				1	1	1	1	
	#6 (WB)				4				
	TOTAL DETECTOR CABLES		1	1	14	8	8	6	
	THERMAL VIDEO DETECTION COAX CABLE	1	1	2	4	2	1	1	
EVUC (OPTICOM 138)	EVUDa				1	1			
	EVUDb				1	1	1	1	
	EVUDc	1	1	1	1				
	EVUDd			1	1				
	TOTAL EVUC	1	1	2	4	2	1	1	
	GPS EVUC (OPTICOM 1070)			1	1				
	PULL TAPE FUTURE INTERCONNECT	1	1	1	1				
	CONDUIT SIZE (IN.)	3	3	3	2-3	2-3	3	3	
	PERCENT FILL	12	15	22	24	15	23	19	

NOTES:
ALL CONDUITS, CABLES, AND CONDUCTORS SHALL BE NEW UNLESS OTHERWISE NOTED.

EQUIPMENT SCHEDULE														
LOC	STANDARD	TYPE	SIG. MA (FEET)	LUM. MA (FEET)	VEHICLE SIGNAL MOUNTING		PEDESTRIAN SIGNAL		APS PBA		LED LUMINAIRE	ISNS	REMARKS	
					MAST ARM	POLE	#	MOUNTING	#	ARROW				
(A)	24-4-100	35'	15'	MAT MAS	SV-1-T	#6	SP-1-T	-	-	133 W	6	Higgins Rd	7	INSTALL EVUDc ATOP SIGNAL HEAD. INSTALL R9-3 AND R9-3bP(R) ON SIGNAL POLE.
(B)	1-B	-	-	-	TV-2-T	-	-	#6	-	-	-	-	-	-
(C)	19-4-100	25'	15'	MAS-4C	SV-1-T	#3	SP-1-T	#6	-	133 W	6	Combie Rd	7 10	INSTALL EVUDd ATOP SIGNAL HEAD. INSTALL R3-4 SIGN ON SIGNAL MAST ARM. INSTALL PEU ATOP SIGNAL POLE.
(D)	1-B	-	-	-	TV-2-T	#6	SP-1-T	#3	-	-	-	-	-	INSTALL R10-22 SIGN ON SIGNAL POLE.
(E)	61-5-100	60'	15'	MAT MAS MAS	SV-1-T	#2	SP-1-T	-	-	133 W	6	Higgins Rd	7	INSTALL EVUDa ATOP SIGNAL HEAD. INSTALL R3-4 SIGN ON SIGNAL MAST ARM.
(F)	PPB POST	-	-	-	-	-	-	#3	-	-	-	-	-	-
(G)	1-B	-	-	-	TV-2-T	#3	SP-1-T	#2	-	-	-	-	-	-
(H)	19-4-100	30'	15'	MAS-4C	SV-1-T	-	-	#2	-	133 W	6	Combie Rd	7	INSTALL EVUDb ATOP SIGNAL HEAD. INSTALL R3-4 SIGN ON SIGNAL MAST ARM.
(I)	1-B	-	-	-	TV-2-T	#2	SP-1-T	-	-	-	-	-	-	INSTALL R9-3, R9-3bP(L), AND R10-22 SIGNS ON SIGNAL POLE.

NOTES:
1. ALL EQUIPMENT IS NEW UNLESS OTHERWISE NOTED.
2. PEDESTRIAN PUSH BUTTONS SHALL BE ACCESSIBLE PEDESTRIAN SIGNALS (APS).
3. PEDESTRIAN SIGNALS SHALL BE FULL LED COUNTDOWN PEDESTRIAN SIGNAL MODULE.
4. LUMINAIRES SHALL BE LEOTEK GREEN COBRA MODEL GC1-80F-MV-NW-3-GY-530.
5. SEE SHEET E-5 FOR PROJECT NOTES.

NO.	DATE	DESCRIPTION	BY
1	X/XX/XX		



DRAWN BY: D. MURPHY
DESIGNED BY: D. MURPHY
CHECKED BY: K. CALA
DATE: SEPTEMBER 2018
PROJECT NO: RS15-3257

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102 Galleria Boulevard
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Palo Alto, CA 94304
(650) 775-1800

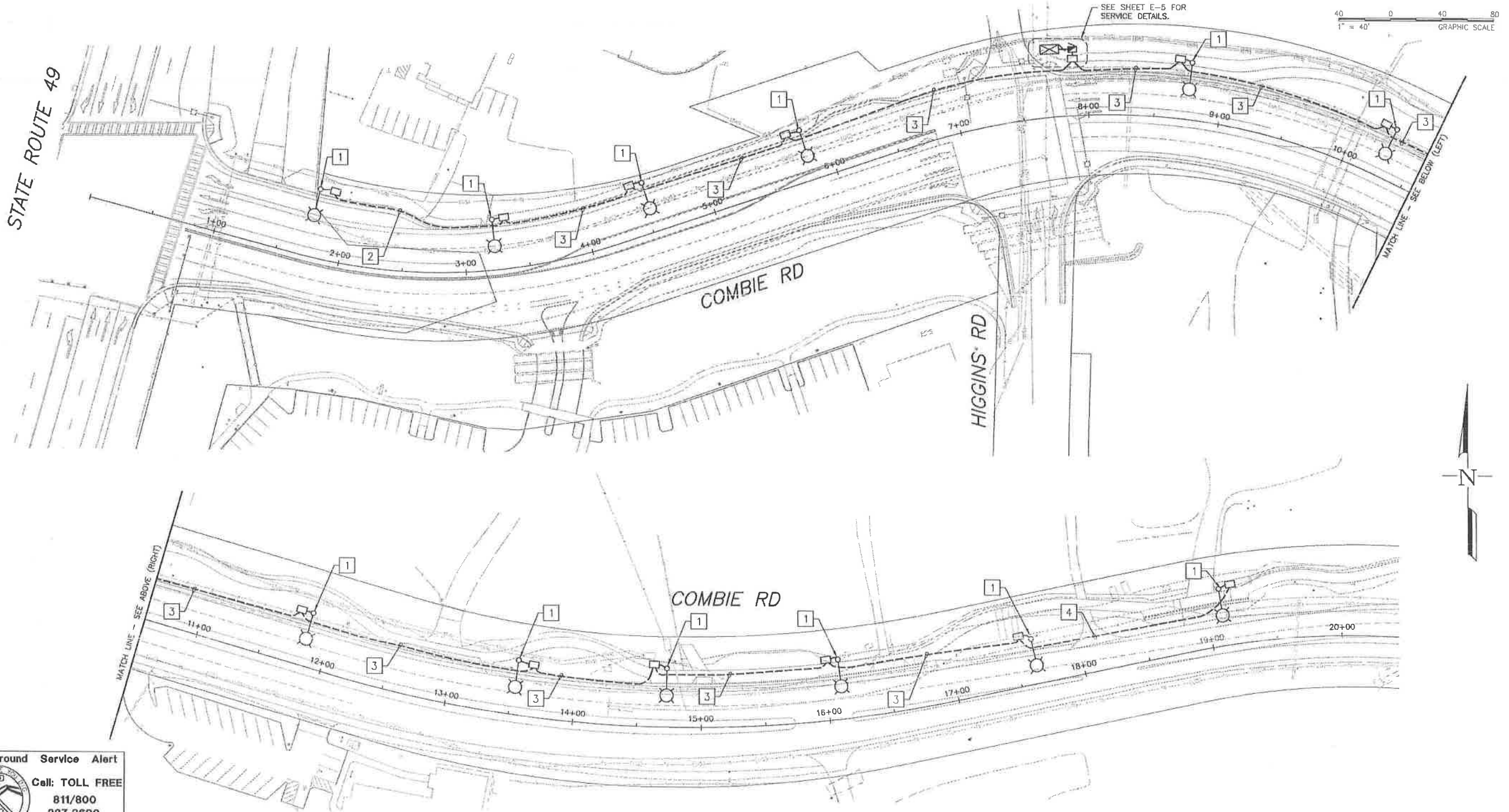
**COMBIE ROAD CORRIDOR
IMPROVEMENT PROJECT**
COMBIE ROAD AND HIGGINS ROAD
EQUIPMENT AND CONDUCTOR SCHEDULES

SHEET
E-6
-0-

PROJECT NOTES (THIS SHEET ONLY):

- 1 INSTALL TYPE 21 STANDARD WITH 15' LUMINAIRE ARM. INSTALL LEOTEK GREEN COBRA MODEL GCI-80F-MV-NW-3-GY-350 LUMINAIRE.
- 2 2'C, 2#8 (LTG Ckt 1), 1#6 G.
- 3 2'C, 3#8 (LTG Ckts 1 & 2), 1#6 G.
- 4 2'C, 2#8 (LTG Ckt 2), 1#6 G.

STREET LIGHT SCHEDULE			
CIRCUIT	POWER (W)	STATION	OFFSET
1	85	01+73	53' (L)
2	85	03+24	39' (L)
1	85	04+53	39' (L)
2	85	05+82	40' (L)
1	85	08+74	44' (L)
2	85	10+28	39' (L)
1	85	11+82	42' (L)
2	85	13+52	42' (L)
1	85	14+73	45' (L)
2	85	16+12	46' (L)
1	85	17+85	39' (L)
2	85	19+11	44' (L)



NO.	DATE	DESCRIPTION	BY



DRAWN BY: D. MURPHY
 DESIGNED BY: D. MURPHY
 CHECKED BY: K. CALIA
 DATE: SEPTEMBER 2018
 PROJECT NO: 1515-3297

FEHR & PEERS
 100 Galleria Boulevard
 Suite 255
 Roseville, CA 95678
 (916) 773-8900

**COMBIE ROAD CORRIDOR
 IMPROVEMENT PROJECT**
 COMBIE ROAD
 STREET LIGHTING PLAN

SHEET
E-7
 OF

Sep 18, 2018 CAD FILE: 3297-E07-E09_Lighting.dwg
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