

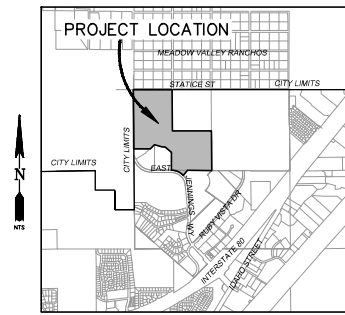
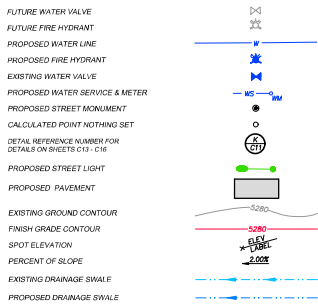
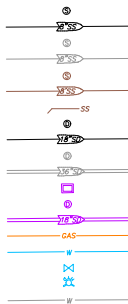
BERGERON VILLAGE PHASE 2

SINGLE FAMILY RESIDENTIAL SUBDIVISION

SITE IMPROVEMENT CIVIL CONSTRUCTION PLANS

UTILITIES APPROVED
01/03/2023 11:35:03
AM

EXISTING SANITARY SEWER MANHOLE
EXISTING SANITARY SEWER LINE
FUTURE SANITARY SEWER MANHOLE
FUTURE SANITARY SEWER LINE
PROPOSED SANITARY SEWER MANHOLE
PROPOSED SANITARY SEWER LINE
PROPOSED SANITARY LATERAL
EXISTING STORM DRAIN MANHOLE
EXISTING STORM DRAIN
FUTURE STORM DRAIN MANHOLE
FUTURE STORM DRAIN
PROPOSED STORM DRAIN CURB INLET
PROPOSED STORM DRAIN MANHOLE
PROPOSED STORM DRAIN
EXISTING GAS LINE
EXISTING WATER LINE
EXISTING WATER VALVE
EXISTING FIRE HYDRANT
FUTURE WATER LINE

[illegible]

C1		TITLE SHEET & SITE SPECIFICATIONS
C2		NOTES AND ABBREVIATIONS
C3		SITE PLAN
C4		SITE PLAN
C5		GRADING PLAN
C6		GRADING PLAN
C7		WATER PLAN
C8		SANITARY SEWER PLAN
C9		STORM DRAIN PLAN
C10		PLAN AND PROFILE WINDSOR AVENUE STATION 4+50 TO 13+00
C11		PLAN AND PROFILE WINDSOR AVENUE STATION 12+50 TO 17+50 CAMPBELL ROAD STATION 0+00 TO 3+25
C12		PLAN AND PROFILE YORK AVENUE STATION 1+50 TO 8+00
C13		IMPROVEMENT DETAILS
C14		IMPROVEMENT DETAILS
C15		WATER IMPROVEMENT DETAILS
C16		SANITARY SEWER AND STORM DRAIN DETAILS

- ZONING - R1 SINGLE FAMILY RESIDENTIAL DISTRICT AND R - SINGLE FAMILY AND MULTIPLE FAMILY RESIDENTIAL.
2. APN = 001-562-014
3. PARCELS TO BE SUBDIVIDED ARE IN LOCATED IN SECTION 2 OF TOWNSHIP 34 NORTH, RANGE 55 EAST M.D.B.M. A.
4. LEGAL DESCRIPTION = PARCEL 3 OF FILE NUMBER 784041 IN THE OFFICE OF THE ELKO COUNTY RECORDER.
5. AREA TOTALS AS FOLLOWS:

TOTAL PROPERTY = 23.476 ACRES
24 PROPOSED SINGLE FAMILY LOTS AND 2 REMAINDER LOTS. THE TOTAL AREA OF THE 24 LOTS IS 7.234 ACRES
6. ALL STREETS WILL BE OFFERED FOR DEDICATION. TOTAL RIGHT OF WAY OFFERED FOR DEDICATION IS 2.940 ACRES. AN ADDITIONAL DEDICATION OF RIGHT OF WAY FOR WATER AND SEWER IS 0.231 ACRES
7. SUBDIVISION TO BE SERVED BY THE FOLLOWING UTILITY COMPANIES:

CITY OF ELKO - WATER, SEWER & STORM DRAIN
SW GAS - NATURAL GAS
FRONTIER - COMMUNICATIONS AND TELEPHONE
NV ENERGY - ELECTRICAL
210 MEDIA - COMMUNICATIONS AND TELEVISION
OTHER DEDICATION PROVIDERS IS: AREA OF THE ELKO SANITATION - WASTE DISPOSAL.
8. THIS PROPERTY IS LOCATED IN ZONE X (AREA OF MINIMAL FLOOD HAZARD) PER FEMA FIRM MAP 32007C562E AND 32007C5607E EFFECTIVE 9-4-13
9. THE ESTIMATED SEWAGE SEWER CONTRIBUTION IS 350 GPD/LOT. 24 LOTS X 350 GPD/LOT = 8,400 GPD.
10. THE ESTIMATED WATER DEMAND IS 112 ACFT/YEAR/LOT. 24 LOTS X 112 ACFT/YEAR/LOT = 2,688 ACFT/YEAR.
11. ALL STREET DIMENSIONS ARE TO TOP OF CURB.
12. INTERSECTION OF STREET RIGHT OF WAY LINES HAVE A 15' RADIUS.
13. CURB RETURN RADIUS SHALL BE: 20' FOOT RADIUS MEASURED FROM TOP OF CURB WITH ACCESSIBLE CURB RAMPS.
14. THE COMMON AREAS AND PATHS BE OWNED AND MAINTAINED BY THE HOME OWNERS ASSOCIATION.
15. EARTHWORK:
TOTAL CUT = 122,888 BANK CUBIC YARDS
TOTAL FILL = 153,083 BANK CUBIC YARDS
16. NO SLOPES GREATER THAN 2:1. SLOPES AT 3:1 OR STEEPER WILL BE STABILIZED WITH VEGETATION OR RIP RAP.
17. ALL GRADE BREAKS EXCEEDING 2" DIFFERENCE WILL HAVE A VERTICAL CURVE WITH AN ACCEPTABLE K VALUE.
18. DEED RESTRICTIONS PER FILE NO 799110, 7993931 AND 805483.
19. NO ADDITIONS ASSIGNED TO THE PARCELS AT THIS TIME.

BELDCO, LLC AND
2223 S. HIGHLAND DRIVE E6-121
SALT LAKE CITY, UTAH, 84106-3672
CONTACT: SCOTT MACRITCHIE
(435) 676-3309
EMAIL: scott@macritchie.com

CARTER ENGINEERING, LLC
P.O. BOX 794
ELKO, NEVADA 89801
CONTACT: LANA L. CARTER,
(775) 397-2531
EMAIL: lanalcarter@live.com

HIGH DESERT ENGINEERING, LLC
640 IDAHO STREET
ELKO, NEVADA 89801
CONTACT: ROBERT MORLEY, P.L.S.
(775) 738-4053
EMAIL: remorley@frontiernet.net

SUMMIT ENGINEERING CORP
1150 LAMOILLE HIGHWAY
ELKO, NEVADA 89801
CONTACT: TOM HANNUM, P.E.
(775) 738-8058
EMAIL: thannum@summitnv.com

Digitally signed by
Lana L Carter
DN: cn=Lana L Carter
o=Carter
Engineering, LLC, ou,
email=lanalcarter@live
e.com, c=US

Lana L
Carter

APPROVED
Elko Fire Department
Janie Wieral
01/03/2023

12-26-22

BERGERON VILLAGE PHASE 2 TITLE SHEET & SPECIFICATIONS ELKO, NEVADA		DESIGN BY: LC DRAWN BY: LC CHECKED BY: LC DATE: 12/26/22 JOB NO.: 17-0220 DWG NO.: 2022-17										
SHEET C1		OF 16										
HORIZ: N/A VERT: N/A		CARTER ENGINEERING, LLC CIVIL ENGINEERING P. O. BOX 794 ELKO, NEVADA 89803 775-397-2531										
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">REV</th> <th style="width: 10%;">DATE</th> <th style="width: 80%;">DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">12/26/22</td> <td>12-27 CITY OF ELKO DIST. LINE PLANS</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">12/26/22</td> <td>CHARGE NO. SEE IT. EARNINGS FROM 10' TO 24'</td> </tr> </tbody> </table>		REV	DATE	DESCRIPTION	1	12/26/22	12-27 CITY OF ELKO DIST. LINE PLANS	2	12/26/22	CHARGE NO. SEE IT. EARNINGS FROM 10' TO 24'
REV	DATE	DESCRIPTION										
1	12/26/22	12-27 CITY OF ELKO DIST. LINE PLANS										
2	12/26/22	CHARGE NO. SEE IT. EARNINGS FROM 10' TO 24'										

SITE NOTES:

1. ALL P.C.C. CURB, GUTTER, SIDEWALK, REINFORCED CONCRETE PAD AND CONCRETE RETAINING SHALL BE A MINIMUM OF 8 SACK OF CEMENT PER CUBIC YARD OF CONCRETE 4000 P.S.I. 4.25" 7.25" AIR MAXIMUM SLUMP OF 4" AND WATER/CEMENT RATIO OF 0.46.
2. ALL CONCRETE CURB & GUTTER SHALL HAVE WEAKENED PLANE JOINTS EVERY 10' AND SIDEWALK SHALL HAVE WEAKENED PLANE JOINTS EVERY 20'.
3. EXPANSION JOINTS 1/2" WIDE SHALL BE LOCATED IN CURBS & GUTTERS AT EACH SIDE OF STRUCTURES. AT ENDS OF ALL CURB RETURNS, ADJUTING HARDENED IN-PLACE CURB & GUTTER AND EVERY 90'.
4. EXPANSION JOINTS IN SIDEWALKS SHALL BE PLACED AT ALL TANGENT POINTS. CURB RETURNS AND AT EVERY 30 FEET.
5. AGGREGATE BASE UNDER CONCRETE AND PAVEMENT SHALL CONFORM TO THE SPECIFICATIONS FOR TYPE 2 CLASS B AGGREGATE BASE AND COMPACTED TO A MINIMUM 90% MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D 1557.
6. SUBGRADE SHALL BE COMPACTED TO A RELATIVE COMPACTION OF NOT LESS THAN 90% FOR A MINIMUM DEPTH OF 6" IN ACCORDANCE WITH TEST PROCEDURES SET FORTH IN ASTM D 1557. SUBGRADE UNDER BITUMINOUS PAVEMENT SHALL BE COMPACTED TO A RELATIVE COMPACTION OF NOT LESS THAN 95% FOR A MINIMUM DEPTH OF 6" IN ACCORDANCE WITH TEST PROCEDURES SET FORTH IN ASTM D 1557.
7. ALL PAVEMENT MARKING SHALL MEET STANDARD PLANS AND SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2016 EDITION, SECTIONS 214 AND 324.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING 811 USA NORTH AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
9. DIMENSIONS ARE TO TOP BACK OF CURB.
10. IN THE DESIGNATED DEMOLITION AREAS THE EXISTING CONCRETE OR PAVEMENT AND AGGREGATE BASE SHALL BE REMOVED TO SUBGRADE FOR THE INSTALLATION OF THE PROPOSED IMPROVEMENTS.
11. ALL DEMOLITION SHALL BE PER SECTION 300 AND 301 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2016 EDITION.
12. DIMENSIONS, STREET MONUMENT PLACEMENT, LINE DISTANCES AND BEARINGS PER FINAL MAP. THOSE SHOWN HERE ARE FOR REFERENCE ONLY.
13. SEE SHEET C13 AND C14 FOR DETAILS ON CURB AND GUTTER, SIDEWALK, PAVEMENT SECTION, GRAVEL SECTION, STREET MONUMENT, PAVEMENT SAWCUT & JOIN AND STREET SECTION.
14. THE CONTRACTOR SHALL SAWCUT THE PAVEMENT FOR THE UTILITY MAIN CONNECTIONS TO THE AREA NEEDED TO PERFORM THESE CONNECTIONS SAFELY.

GRADING NOTES

1. THE ESTIMATED EARTHWORK QUANTITIES ARE AS FOLLOWS:
UNCLASSIFIED EXCAVATION = 122,886 CY CUT
UNCLASSIFIED EMBANKMENT = 153,053 CY FILL
THE ABOVE QUANTITIES ARE BANK CUBIC YARDS WITH A 3-INCH GRUB. SHRINK OR SWELL HAS NOT BEEN CONSIDERED.
2. ADD 5000 FEET TO SPOT ELEVATIONS.
3. THE FINAL GRADING OF THE LOTS WILL BE DONE TO ELIMINATE CROSS LOT DRAINAGE.
4. SLOPES 3:1 OR GREATER REQUIRE SLOPE STABILIZATION.
5. SLOPES SHALL NOT EXCEED 2:1.
6. THE EXISTING GROUND TOPOGRAPHY SHOWN ON THIS PLAN IS FROM A SURVEY PROVIDED BY HIGH DESERT ENGINEERING ON 3-17-22.

WATER NOTES:

1. ALL WATER MAINS SHALL BE AWWA C900, DR 18 WATER PIPE.
2. ALL WATER SERVICE LINES SHALL BE AWWA C-901, 1" IPS 200 PSI POLYETHYLENE.
3. ALL WATER LINE FITTINGS SHALL BE DUCTILE IRON AWWA C-110 AND AWWA C-153.
4. ALL WATER LINES SHALL BE PLACED WITH 42" OF MINIMUM COVER.
5. SEE SHEET C15 FOR DETAIL ON THRUST BLOCKS, VALVE, FIRE HYDRANT, WATER METER, WATER SERVICE CONNECTION, TEMPORARY FLUSH ASSEMBLY AND TRENCH DETAILS.
6. ALL METERS SHALL BE 1 INCH.
7. ALL NEW FIRE HYDRANTS WILL BE EQUIPPED WITH STORZ FITTINGS.
8. A MINIMUM OF 18" INCHES SEPARATION WILL BE ALLOWED BETWEEN WATER TAPAS REQUIRED BY THE CITY OF ELKO UTILITIES DEPARTMENT.
9. A MINIMUM OF 2' FOOT SEPARATION WILL BE ALLOWED BETWEEN WATER TAPS AND HYDRANT TAPS AS REQUIRED BY THE CITY OF ELKO UTILITIES DEPARTMENT.
10. WATER AND SEWER LATERALS WILL BE PLACED IN SEPARATE TRENCHES AND LOCATED AT LEAST 48" APART MEASURE FROM OUTSIDE DIAMETERS PER NAC 445A.6716.
11. HOT TAPS SHALL BE PERFORMED BY THE CITY OF ELKO UTILITIES DEPARTMENT. THE CONTRACTOR SHALL SUPPLY TRENCH AND MATERIALS FOR THE HOT TAP. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COORDINATE THIS WORK WITH THE CITY OF ELKO.
12. VERTICAL AND HORIZONTAL SEPARATION OF ALL WATER AND SEWER (SANITARY OR STORM) UTILITIES SHALL BE MAINTAINED PER NAC SECTION 445A.6716 - SECTION 445A.6718 AND THE BUREAU OF SAFE DRINKING WATER (BSDW) GUIDANCE FOR AREAS REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION, EDITION 1.0, UNLESS OTHERWISE APPROVED BY THE DESIGN ENGINEER OR BSDW.
13. ANY OPENINGS IN UNFINISHED PIPING AND APPURTENANCES MUST BE SEALED WATER TIGHT AT THE END OF EACH WORKING DAY.
14. ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH APPLICABLE AWWA STANDARDS.
15. THE MAXIMUM JOINT DEFLECTION SHALL NOT EXCEED THE MANUFACTURES SPECIFICATIONS.
16. ALL MATERIALS IN CONTACT WITH POTABLE WATER MUST BE NSF/ANSI 61 CERTIFIED AS LEAD FREE AND COMPATIBLE WITH DRINKING WATER.
17. BEFORE BEING CERTIFIED BY AN ENGINEER ACCEPTED BY THE CITY OF ELKO, ANY NEW WATER SYSTEMS, EXTENSIONS, REPLACEMENTS IN EXISTING SYSTEMS AND VALVED SECTIONS SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C-661 (DISINFECTING WATER MAINS) AND BE PRESSURE TESTED IN ACCORDANCE WITH NAC 445A.6746.7 (A) AND (B) AND AWWA C-665. THE DISPOSAL OF HIGHLY CHLORINATED WATER MUST BE COORDINATED WITH NEVADA DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF WATER POLLUTION CONTROL.

SANITARY SEWER NOTES:

1. ALL SEWER LINES SHALL BE SDR-35 P.V.C.
2. SEE SHEET C16 FOR DETAILS OF SANITARY SEWER MANHOLE, LATERAL CONNECTION AND TRENCH DETAIL FOR SEWER PIPE.
3. IN NO CASE SHALL A LATERAL CONNECT TO THE SEWER MAIN DIRECTLY ON THE TOP OF THE PIPE.
4. SEWER LATERALS TO BE 4" Ø AND SHALL HAVE A MINIMUM SLOPE OF 2% FOR 100' FEET.
5. EXPOSE EXISTING SANITARY SEWER LINE AT CONNECTION POINT AND CALL PROJECT ENGINEER FOR ELEVATION VERIFICATION PRIOR TO THE INSTALLATION OF ANY SANITARY SEWER.
6. THESE PLANS ARE IN COMPLIANCE WITH NAC 275.440 AND NAC 445A.65055 THOUGH NAC 445A.6715.

STORM DRAIN NOTES:

1. ALL STORM DRAIN LINES SHALL BE ADR 142 VY OR APPROVED EQUIV.
2. ALL CURB INLETS SHALL BE TYPE R-4.
3. SEE SHEET C16 FOR DETAILS FOR TRENCH, DROP INLET AND MANHOLES.
4. VERTICAL AND HORIZONTAL SEPARATION OF ALL WATER AND SEWER (SANITARY OR STORM) UTILITIES SHALL BE MAINTAINED PER NAC SECTION 445A.6716 - SECTION 445A.6718 AND THE BUREAU OF SAFE DRINKING WATER (BSDW) GUIDANCE FOR AREAS REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION, EDITION 1.0, UNLESS OTHERWISE APPROVED BY THE DESIGN ENGINEER OR BSDW.

SPECIAL CROSSING NOTES:

1. SPECIAL CONSTRUCTION FOR STORM DRAIN LATERAL CROSSING WATER MAIN SHALL BE PER NAC 445A.6716 SEPARATION OF LINES - SEWER MAIN CROSSING WATER MAIN AND NEEP BUREAU OF SAFE DRINKING WATER PUBLICATION "GUIDANCE FOR AREAS REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION" EDITION 1.0, UPDATED JUNE 2018, BULLETIN 3.8 VERTICAL CROSSING CONFLICT - WATER AND SEWER MITIGATION IN AREA OF SPECIAL CONSTRUCTION PAGE 9 OF 15.
2. THE PIPE JOINTS FOR WATER AND STORM DRAIN SHALL BE EQUAL DISTANCE FROM THE POINT OF CROSSING.
3. THE WATER PIPE AND STORM DRAIN PIPE SHALL BE A MINIMUM OF 6" APART MEASURED FROM THE OUTSIDE OF THE PIPES.
4. THE STORM DRAIN SHALL HAVE WATER TIGHT JOINS MEETING D3212 AS SPECIFIED FOR THE PROJECT.
5. THE WATER LINE SHALL HAVE RESTRIBUT JOINTS ON BOTH SIDES OF THE CROSSING AND ON ANY BENDS REQUIRED FOR THE CROSSING.
6. SEE DETAIL WH SHEET 15 FOR SPECIAL CROSSING DETAIL.

ABBREVIATIONS:

A.C. ASPHALTIC CONCRETE	G.O. GROTHERMAL	RT. RIGHT
B.C. BEGIN CURVE	G.V. GATE VALVE	R.O.W. RIGHT OF WAY
B.V.C. BEGIN VERTICAL CURVE	G.B. GRADE BREAK	LT. LEFT
C.F. HEIGHT OF CURB FACE	H.O.R.E. HORIZONTAL	L.F. LINEAR FEET
CL. CENTERLINE	I.P.S. IRON PIPE SIZE	M.H. MANHOLE
C.M.P. CORRUGATED METAL PIPE	INT. INTERSECTION	S.S. SANITARY SEWER
CONC. CONCRETE	I.E. INVERT ELEVATION	SBCO SANITARY SEWER CLEANOUT
C.P. CONCRETE PIPE	LT. LEFT	S.W. SIDEWALK
D.I. DROP INLET	L.F. LINEAR FEET	S. SLOPE
D.I.P. DUCTILE IRON PIPE	M.H. MANHOLE	SHT. SHEET
EL. ELEVATION	P.I. POINT OF INTERSECTION	STA. STATION
ELEV. ELEVATION	P.C. POINT OF CURVATURE	S.D. STORM DRAIN
E.V.C. END OF VERTICAL CURVE	P.T. POINT OF TANGENCY	T. TELEPHONE
EX. EXISTING	P.V.C. POINT OF VERTICAL CURVE	T.B.C. TOP BACK OF CURB
E.G. EXISTING GRADE	PVC POLYVINYL CHLORIDE PIPE	T.C. TOP OF CONCRETE
F.F. FINISH FLOOR	PL. PROPERTY LINE	TYP. TYPICAL
F.G. FINISH GRADE	R. RADIAL	VERT. VERTICAL
F.H. FIRE HYDRANT	RADIUS. RADIUS	V.C. VERTICAL CURVE
F.L. FLOW LINE	REF. REFERENCE	V.P.I. VERTICAL POINT OF INTERSECTION
G. GAS	R.C.P. REINFORCED CONCRETE PIPE	W. WATER



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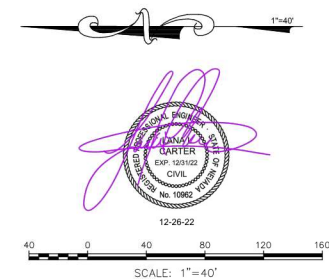
Carter Engineering, LLC
Civil Engineering
P. O. Box 794
Elko, Nevada 89803
775-397-2531

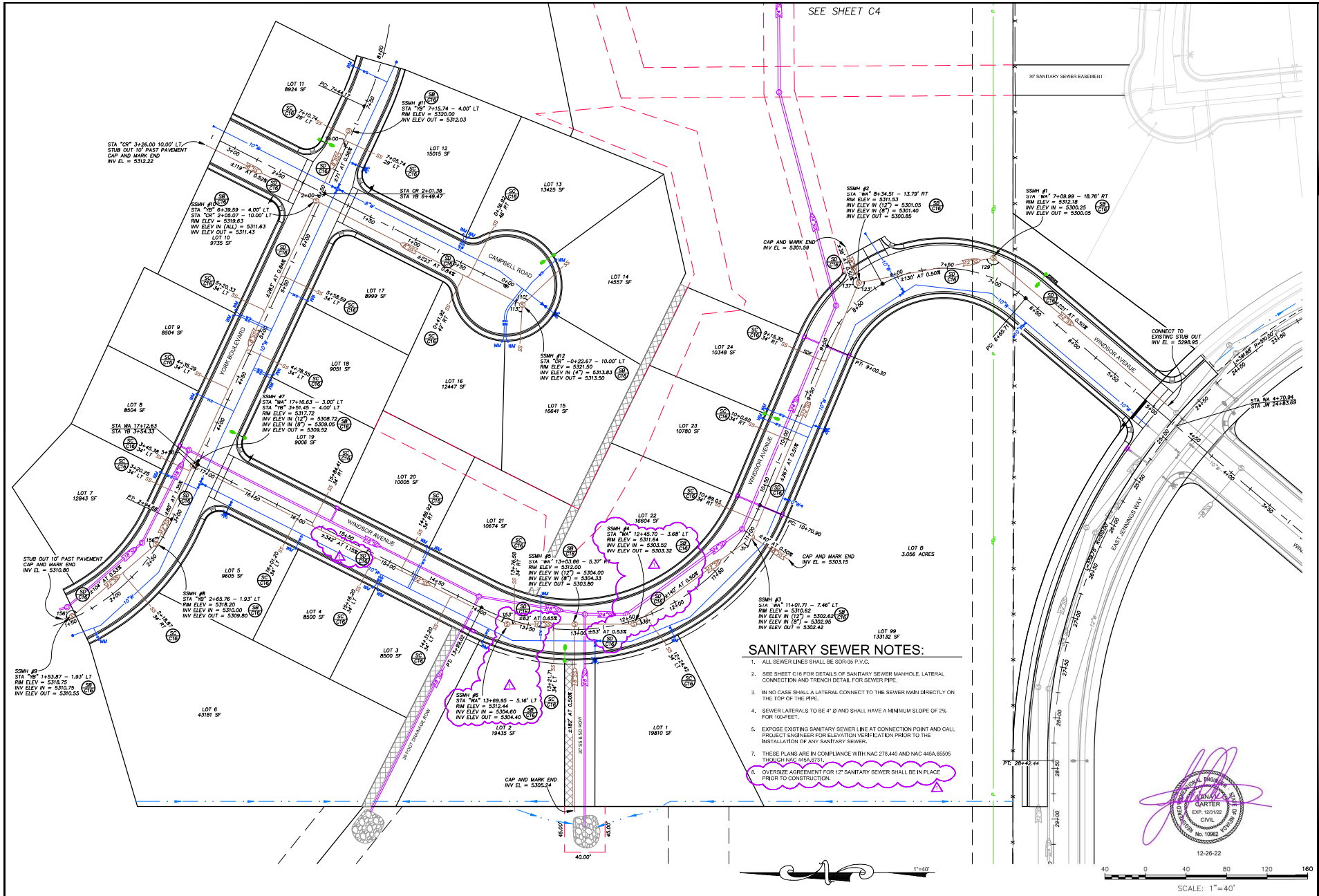
**BERGERON VILLAGE
PHASE 2
NOTES AND ABBREVIATIONS**
ELKO, NEVADA

DESIGN BY: L.C.	12-26-22
DRAWN BY: L.C.	12-26-22
CHECKED BY: L.C.	12-26-22
DATE: 12-26-22	12-26-22
JOB NO. 17-2020	17-2020
DWG NO. 2022-17	2022-17

SCALE	HORIZ. N/A
VERT. N/A	N/A

SHEET	C2
OF	16

[illegible]



- SANITARY SEWER NOTES:**
1. ALL SEWER LINES SHALL BE SDR-35 P.V.C.
 2. SEE SHEET C18 FOR DETAILS OF SANITARY SEWER MANHOLE, LATERAL CONNECTION AND TRENCH DETAIL FOR SEWER PIPE.
 3. IN NO CASE SHALL A LATERAL CONNECT TO THE SEWER MAIN DIRECTLY ON THE TOP OF THE PIPE.
 4. SEWER LATERALS TO BE 4" Ø AND SHALL HAVE A MINIMUM SLOPE OF 2% FOR 100-FEET.
 5. EXPOSE EXISTING SANITARY SEWER LINE AT CONNECTION POINT AND CALL PROJECT ENGINEER FOR ELEVATION VERIFICATION PRIOR TO THE INSTALLATION OF ANY SANITARY SEWER.
 6. OVERSIZE AGREEMENT FOR 12" SANITARY SEWER SHALL BE IN PLACE PRIOR TO CONSTRUCTION.
 7. THESE PLANS ARE IN COMPLIANCE WITH NAC 278.440 AND NAC 446A.65005 (NRS 446A.6502).

DESIGN BY: Carter Engineering, LLC	DATE	12-22-22	DESCRIPTION 12-22-22 CITY OF ELKO RED LINE PLANS CHANGE S.D. SIZE IN JENNINGS WAY FROM 36" TO 24"	
	REV	1		12-22-22
	2	12-22-22		

**BERGERON VILLAGE
PHASE 2
SANITARY SEWER PLAN**

ELKO, NEVADA



Carter Engineering, LLC
Civil Engineering
P. O. Box 794
Elko, Nevada 89803
775-397-2531

DESIGN BY:	LLC
DRAWN BY:	LLC
CHECKED BY:	LLC
DATE:	12-22-22
JOB NO.:	17-2020
DWG. NO.:	2020-1

SCALE

HORIZ. 1"=40'

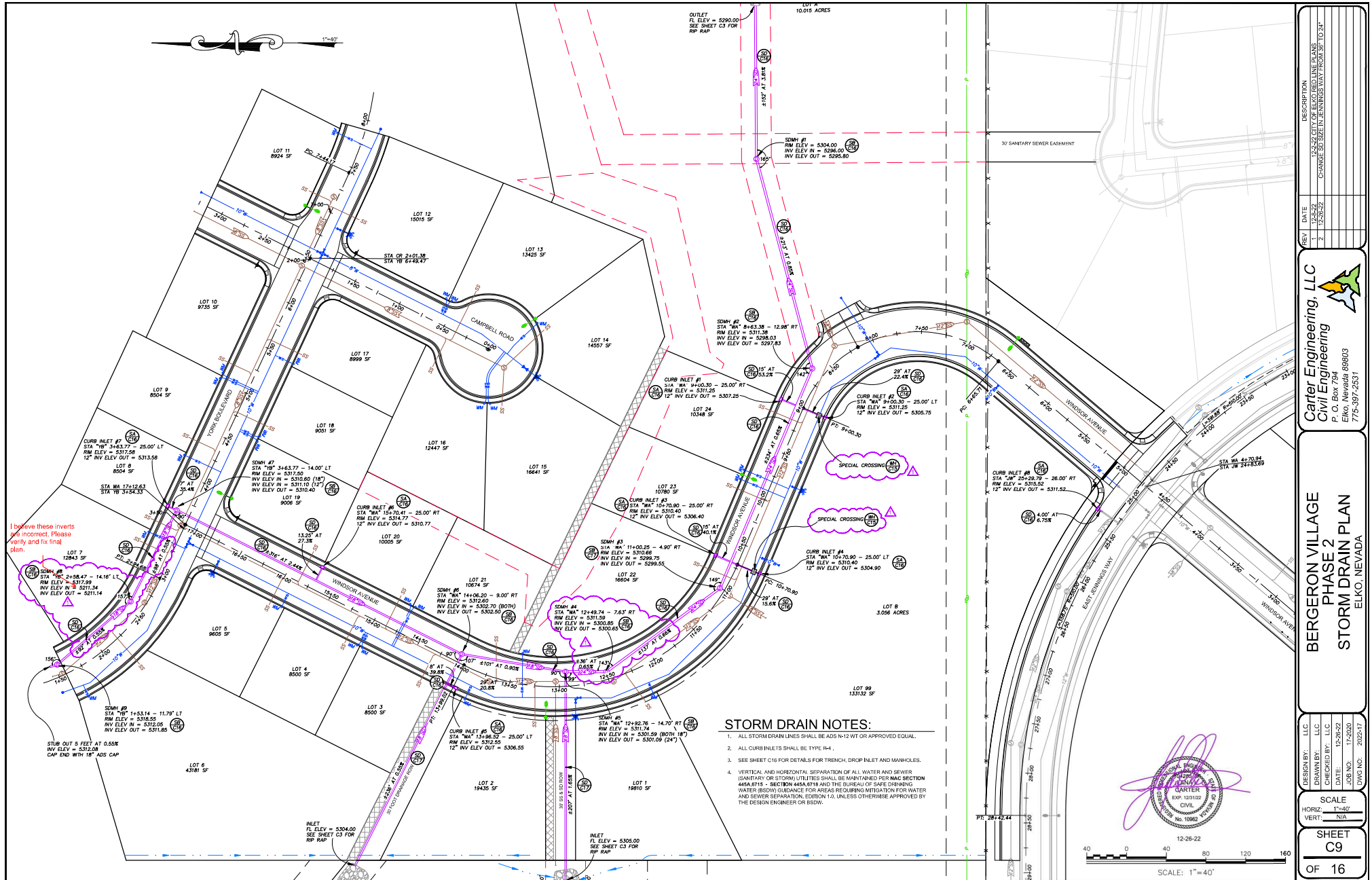
VERT. 1"=40'

SHEET

C8

OF

16



DESIGN BY: LUC	CHECKED BY: LUC	DATE: 12-26-22	JOB NO: 17-0200	DWG NO: 2025-17	SCALE: HORIZ 1"=40' VERT N/A	SHEET C9 OF 16

BERGERON VILLAGE PHASE 2 STORM DRAIN PLAN

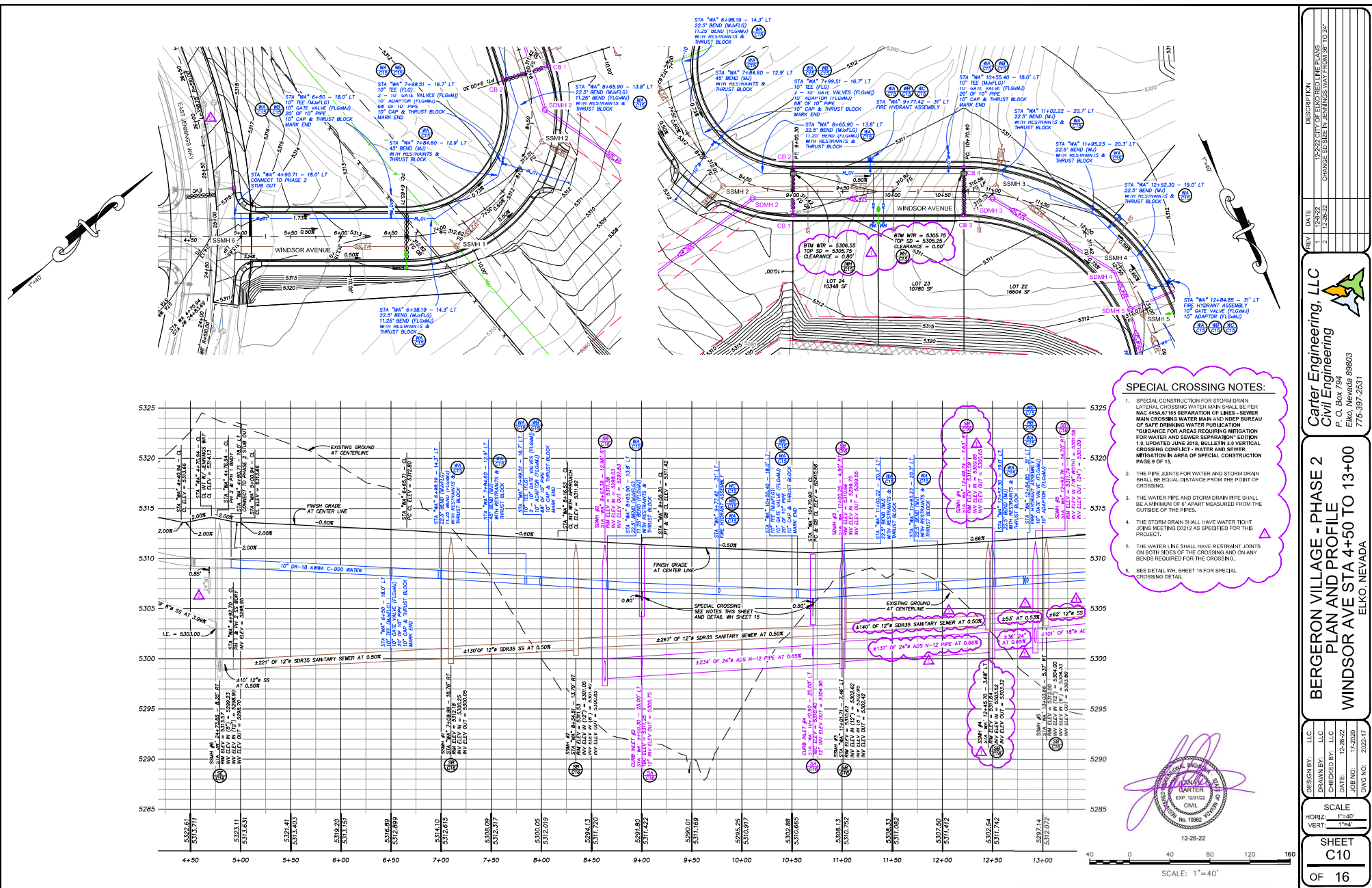
ELKO, NEVADA

Carter Engineering, LLC
Civil Engineering
P. O. Box 794
Elko, Nevada 89803
775-397-2531

12-26-22 CITY OF ELKO REG LINE PLANS
CHANGE SD SIZE IN JENNINGS WAY FROM 36" TO 24"

DATE:
12-26-22
12-26-22

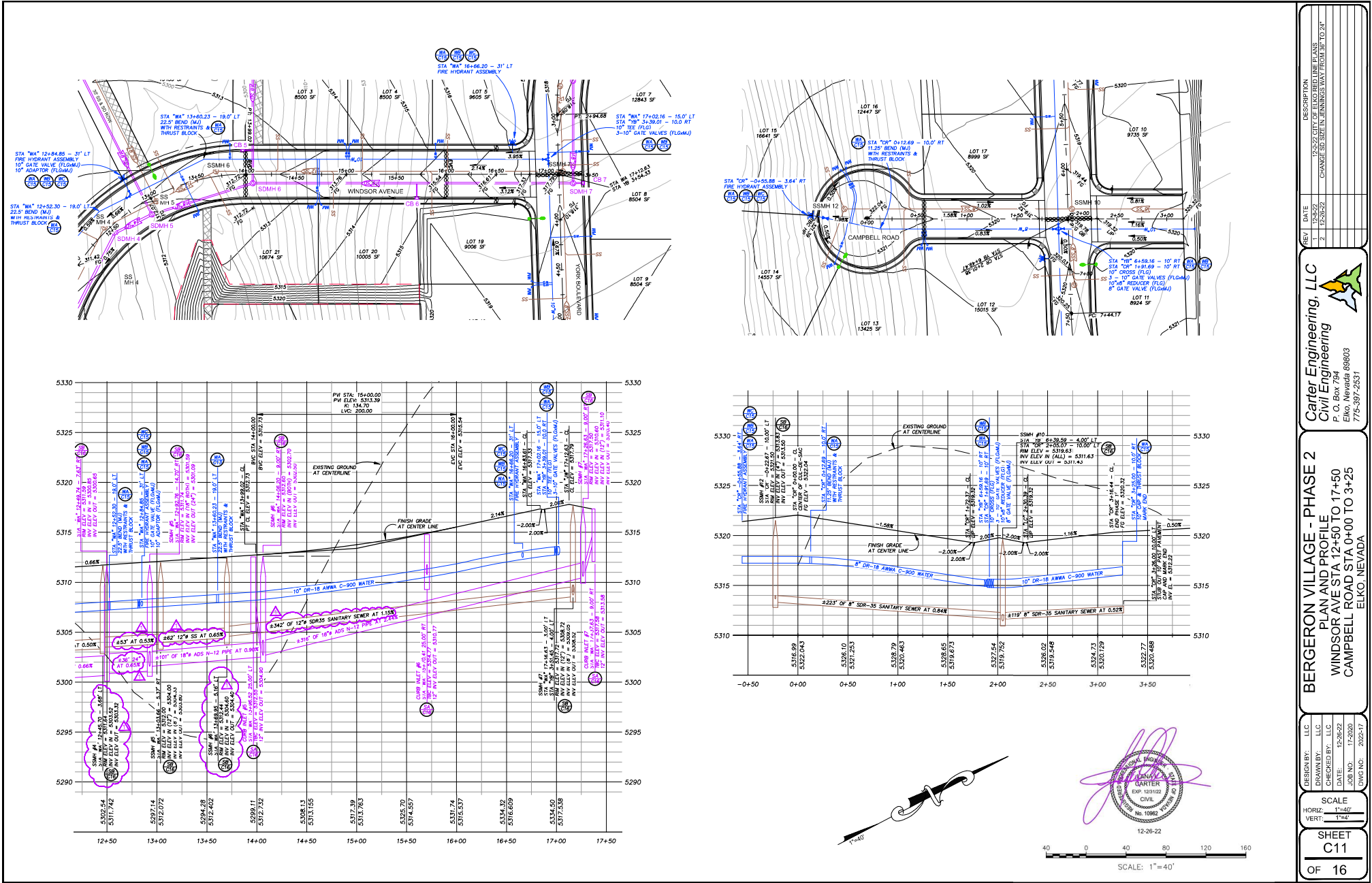
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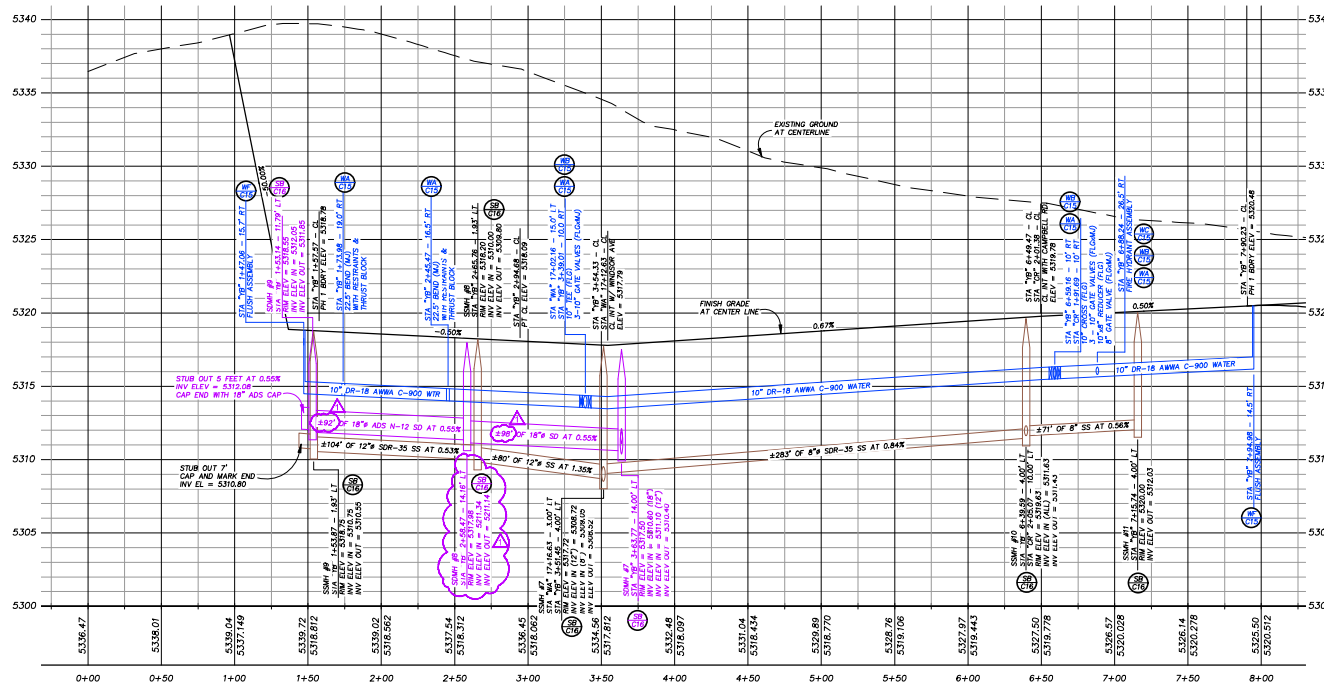
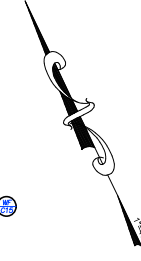
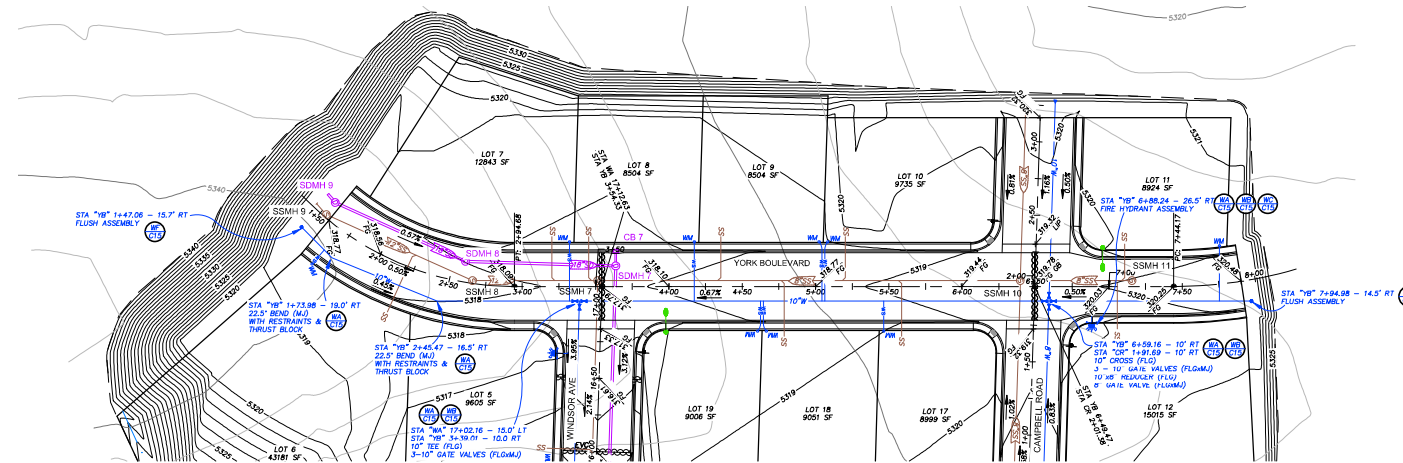


- SPECIAL CROSSING NOTES:**
1. SPECIAL CONSTRUCTION FOR STORM DRAIN LATERAL CROSSING WATER MAIN SHALL BE PER NAC 454.4.6116 SEPARATION OF LINES - SEWER MAIN CROSSING WATER MAIN AND NOEP BUREAU OF SAFE DRINKING WATER PUBLICATION "GUIDANCE FOR AREAS REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION" EDITION 1.0, UPDATED JUNE 2016, BULLETIN 3.3 VERTICAL CROSSING CONFLICT: WATER AND SEWER MITIGATION & AREA OF SPECIAL CONSTRUCTION PAGE 9 OF 15.
 2. THE PIPE JOINTS FOR WATER AND STORM DRAIN SHALL BE EQUAL DISTANCE FROM THE POINT OF CROSSING.
 3. THE WATER PIPE AND STORM DRAIN PIPE SHALL BE A MINIMUM OF 8' APART MEASURED FROM THE OUTSIDE OF THE PIPES.
 4. THE STORM DRAIN SHALL HAVE WATER TIGHT JOINTS MEETING D312 AS SPECIFIED FOR THIS PROJECT.
 5. THE WATER LINE SHALL HAVE RESTRAINT JOINTS ON BOTH SIDES OF THE CROSSING AND ON ANY BENDS REQUIRED FOR THE CROSSING.
 6. SEE DETAIL W/S, SHEET 15 FOR SPECIAL CROSSING DETAIL.



DESIGNER: L.L.C. DRAWN BY: L.L.C. CHECKED BY: L.L.C. DATE: 12-26-22 JOB NO.: 17-2020 DWG. NO.: 2022-17	DATE: 12-26-22 REV: 2 DESCRIPTION: 12-26-22 CITY OF ELKO RED LINE PLANS CHANGE SD SIZE IN JENNINGS WAY FROM 36" TO 24"	
BERGERON VILLAGE - PHASE 2 PLAN AND PROFILE WINDSOR AVE STA 4+50 TO 13+00 ELKO, NEVADA		
SHEET C10 OF 16		





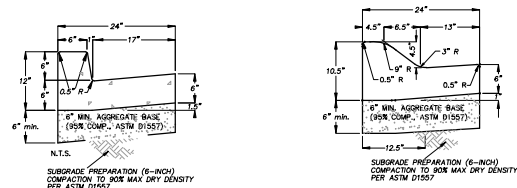
BERGERON VILLAGE - PHASE 2 PLAN AND PROFILE YORK AVENUE STA 1+50 TO 8+00 ELKO, NEVADA		DESIGN BY: LLC DRAWN BY: LLC CHECKED BY: LLC DATE: 12-26-22 JOB NO. 17-2020 DWG. NO. 2020-17	DESCRIPTION: 12-26-22 CITY OF ELKO RED LINE PLANS CHANGE SD SIZE IN JENNINGS WAY FROM 36" TO 24" 1 12-26-22 2 12-26-22
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Civil Engineering
 P. O. Box 794
 Elko, Nevada 89803
 775-397-2531

SCALE
 HORIZ. 1"=40'
 VERT. 1"=4'

SHEET
C12

OF
16

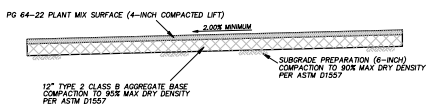


TYPE 1 CURB AND GUTTER
N.T.S.

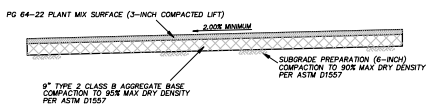
TYPE 2 CURB AND GUTTER
N.T.S.

CURB AND GUTTER NOTES:

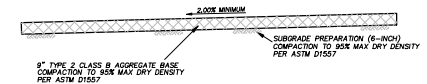
1. CONCRETE WORK SHALL MEET THE REQUIREMENTS OF SECTIONS 200, 202 AND 312 OF THE 2016 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND SHALL BE A CITY OF ELKO APPROVED MIX DESIGN.
2. ALL CONCRETE CURB AND GUTTER SHALL HAVE 1" EXPANSION JOINTS EVERY 90 FEET AND AT ALL CURB RETURNS. WEAKENED PLANE JOINTS SHALL BE EVERY 10 FEET.
3. AGGREGATE BASE MATERIAL SHALL MEET THE REQUIREMENTS OF SECTION 200 AND 308 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. PLANT MIX BITUMINOUS SURFACE SHALL BE 1" TO 1 1/2" ABOVE LIP OF GUTTER PAN.



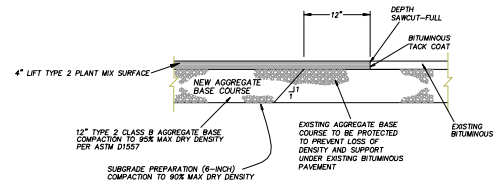
ASPHALT PAVEMENT SECTION
JENNINGS WAY
N.T.S.



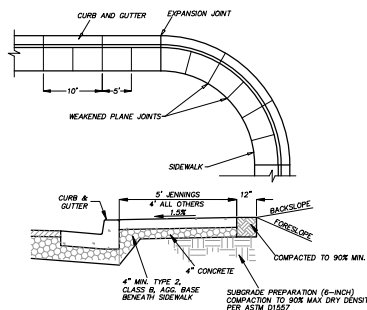
ASPHALT PAVEMENT SECTION
WINDSOR AVENUE, YORK BOULEVARD
AND CAMPBELL ROAD
N.T.S.



GRAVEL SECTION
FOR GRAVEL TURN AROUND
N.T.S.



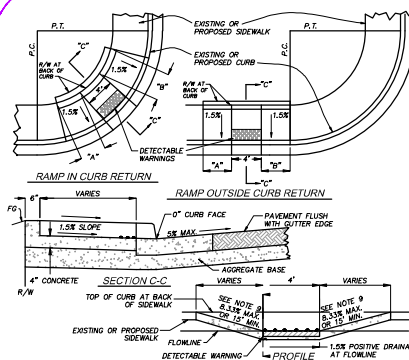
PAVEMENT SAW CUT AND JOIN
N.T.S.



SIDEWALK NOTES:

1. CONCRETE WORK SHALL MEET THE REQUIREMENTS OF SECTIONS 200, 202 AND 312 OF THE 2016 EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND SHALL BE A CITY OF ELKO APPROVED MIX DESIGN.
2. ALL CONCRETE SIDEWALK SHALL HAVE 1" EXPANSION JOINTS EVERY 30 FEET AND AT ALL CURB RETURNS. WEAKENED PLANE JOINTS SHALL BE EVERY 5 FEET AND CONCORD WITH THE ADJACENT CURB AND GUTTER. WEAKENED PLANE JOINTS SHALL BE EVERY 5' IN THE SIDEWALK MAY BE SAW CUT WITH CITY OF ELKO APPROVAL AND SHALL MEET THE REQUIREMENTS OF SECTION 314 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. AGGREGATE BASE MATERIAL SHALL MEET THE REQUIREMENTS OF SECTION 200 AND 308 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. CROSS SLOPE OF SIDEWALK SHALL NOT EXCEED 2%.

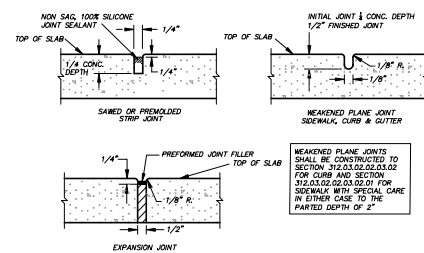
P.C.C. SIDEWALK
N.T.S.



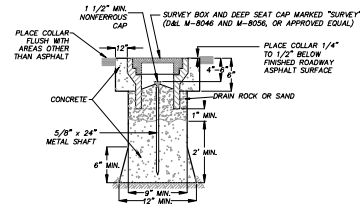
NOTES:

1. CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 337.10 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. AGGREGATE BASE MATERIAL SHALL MEET THE REQUIREMENTS OF SECTION 302 & 308 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. CURB RAMP WITHIN CURB RETURN SHALL BE LOCATED AT THE MIDPOINT OF CURB RETURN.
4. RAMP SHALL BE CONSTRUCTED WITH A ROUGH BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
5. WHEN CONSTRUCTING A RAMP WHERE CURB & GUTTER EXIST, COMPLETELY REMOVE INTERFERING PORTIONS OF EXISTING CURB & GUTTER. LOCATION OF CURB RAMP SHALL BE APPROVED BY THE CITY OF ELKO PRIOR TO INSTALLATION.
6. DETECTABLE WARNING SHALL BE YELLOW AND CONSIST OF RAISED TRUNCATED DOMES AND PLACED AT THE BOTTOM PORTION OF THE RAMP.
7. CROSS SLOPE OF SIDEWALK AND RAMP SURFACES SHALL NOT EXCEED 2%.
8. CURB RAMP & DETECTABLE WARNING SHALL MEET THE REQUIREMENTS OF 28 CFR PART 36, ADA STANDARDS FOR ACCESSIBLE DESIGN.
9. PER THE PROWAG, SECTION 8004.3.2, THE RUNNING SLOPE OF A CURB RAMP SHALL BE 8.33% MAXIMUM, BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15.0 FEET. ON STEEP STREETS OR INTERSECTIONS THE TRANSITION TO FULL HEIGHT CURB MAY HAPPEN IN THE FIRST 15' MINIMUM, AND THE RESULTING SLOPE OF THE RAMP IS ALLOWED TO EXCEED 8.33%.

CURB RAMP
N.T.S.



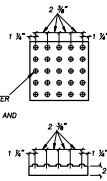
P.C.C. JOINTING DETAILS
N.T.S.



NOTES:

1. FERROUS METAL OVER MONUMENT FOR RECOVERY BY OP NEEDLE OR MAGNETIC INSERT IN CAP.
2. 1 1/2" MIN. NONFERROUS CAP WITH PROFESSIONAL LAND SURVEYOR NO. PERMANENTLY ATTACHED PRIOR TO PLACEMENT.
3. 5/8" METALLIC SHAFT (SMOOTH SHAFTS TO BE DEFORMED).
4. CONSTRUCTION SHALL MEET THE REQUIREMENTS OF SECTION 216 OF 2016 EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
5. SCORE CONCRETE COLLAR AS PER MANHOLE COLLAR SHOWN ON DRAWING U-51

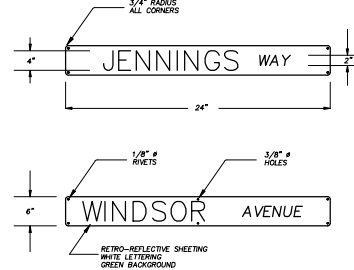
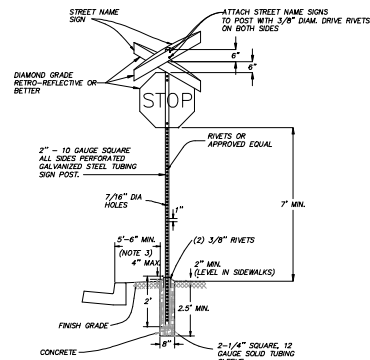
CLASS A MONUMENT
N.T.S.



TRANSITION LENGTHS FOR 8.33% SLOPE (SEE NOTE 9)			
GRADE B (B TO A)	1" MIN. (FT.)	7" MIN. (FT.)	
> -4.00	4.5	15.0	
-4.10 - -3.01	4.5	12.0	
-3.10 - -2.01	5.0	9.5	
-2.10 - -1.01	5.5	8.0	
-1.10 TO 1	7.0	7.0	
1.01 TO 2	8.0	5.5	
2.01 TO 3	9.5	5.0	
3.01 TO 4	12.0	4.5	
> 4.00	15.0	4.5	



DESIGN BY: L.C.	DRAWN BY: L.C.	CHECKED BY: L.C.	DATE: 12-26-22	JOB NO: 17-2020	DWG NO: 2022-17	SCALE: HORIZ: N/A VERT: N/A	SHEET: C13 OF 16
BERGERON VILLAGE PHASE 2 IMPROVEMENT DETAILS ELKO, NEVADA						Carter Engineering, LLC Civil Engineering P.O. Box 794 Elko, Nevada 89803 775-397-2531	



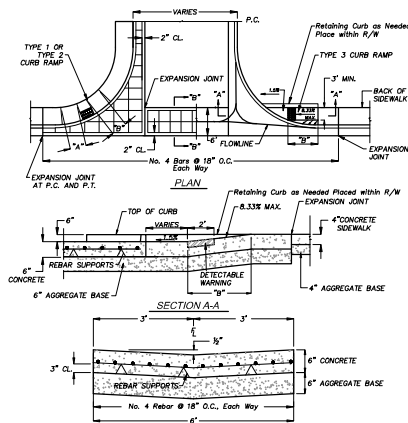
- NOTES:
1. SIGNS SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE LATEST EDITION OF THE M.U.C.D.
 2. SIGN PANELS SHALL BE MOUNTED ON SIGN BLANK EXTRUDED ALUMINUM NO. 6061-T6, WITH A MINIMUM THICKNESS OF 0.080".
 3. MATERIALS TO BE USED FOR SIGNING SHALL BE DIAMOND GRADE RETRO-REFLECTIVE SHEETING OR BETTER.

STREET NAME SIGN

- NOTES:
1. SIGN MATERIALS AND INSTALLATION SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. MATERIALS USED FOR SIGNING SHALL BE DIAMOND GRADE RETRO-REFLECTIVE SHEETING OR BETTER.
 2. STREET NAME SIGN SHALL BE AS SPECIFIED BY THE GOVERNING AGENCY AND MOUNTED WITH VANDAL - PROOF HARDWARE.
 3. ON STREETS WHERE CURBING DOES NOT EXIST, SET EDGE OF SIGN 6" MINIMUM FROM PAVEMENT EDGE.
 4. EACH SIGN SHALL CONSIST OF TWO PLATES RIVETED TOGETHER.

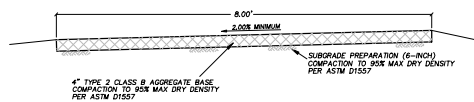
TYPE 2 STREET SIGN

STREET AND STOP SIGN



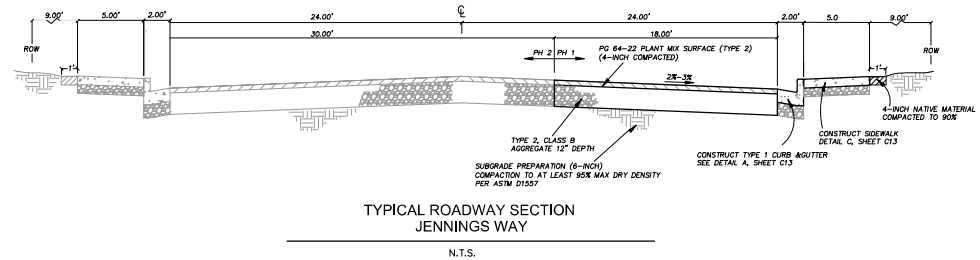
P.C.C. VALLEY GUTTER WITH APRON

N.T.S.



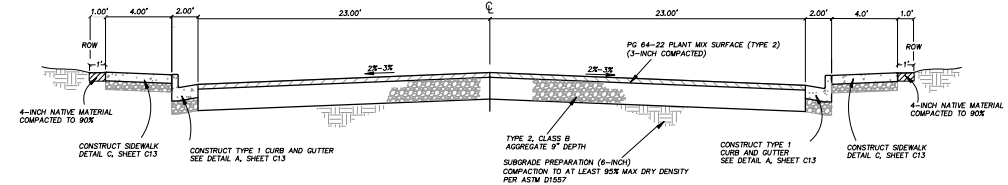
GRAVEL SECTION FOR PEDESTRIAN PATH

N.T.S.



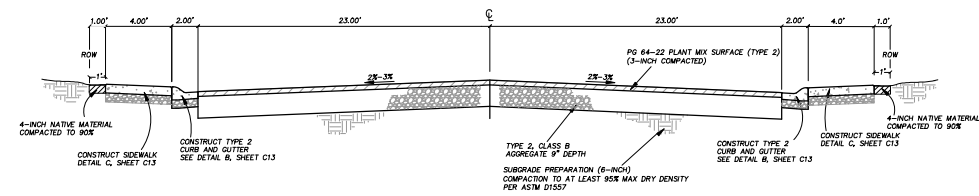
TYPICAL ROADWAY SECTION JENNINGS WAY

N.T.S.



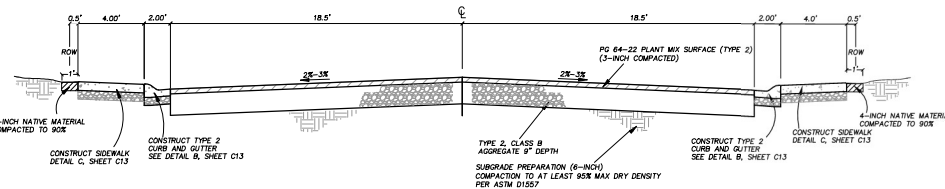
TYPICAL ROADWAY SECTION WINDSOR AVE STA 5+00 TO 9+00

N.T.S.



TYPICAL ROADWAY SECTION WINDSOR AVE STA 9+00 TO 16+67 YORK BLVD STA 1+50 TO 6+90 CAMPBELL RD STA 2+25 TO 3+16.44

N.T.S.



TYPICAL ROADWAY SECTION YORK BLVD STA 6+90 TO 7+90 CAMPBELL RD STA 0+50 TO 1+50

N.T.S.



REVISION	DATE	DESCRIPTION
1	12-25-22	12-25-22 CITY OF ELKO REVISION PLANS
2	12-25-23	CHANGE SD SIZE IN JENNINGS WAY FROM 36" TO 24"

Carter Engineering, LLC
Civil Engineering
P.O. Box 794
Elko, Nevada 89803
775-397-2531

BERGERON VILLAGE
PHASE 2
IMPROVEMENT DETAILS
ELKO, NEVADA

DESIGN BY:	LLC
DRAWN BY:	LLC
CHECKED BY:	LLC
DATE:	12-26-22
JOB NO.:	17-2026
CHG. NO.:	2022-12

SCALE
HORIZ. N/A
VERT. N/A

SHEET
C14
OF 16

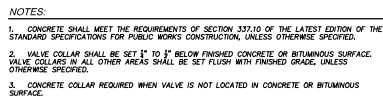
12-25-22

Type of Fitting	90° Bend	45° Bend	11-1/4° or 22-1/2° Bend	Tee or Dead End	Tee with Plug	Cross with Plug
Pipe	2	1	1	2	2	2
	6"	4	4	2	4	4
	8"	7	4	2	5	7
	10"	12	6	3	8	12
	12"	16	10	5	12	16
	18"	45	25	13	32	45

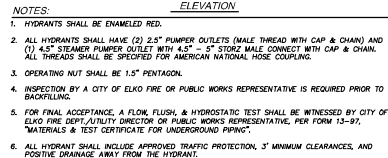
NOTES:

1. Thrust blocks to be constructed of Class "C" concrete.
2. Areas given are for class 150 pipe at test pressure of 150 p.s.i., with 200 p.s.i. bearing capacity. Installations using different pipe, test pressures, and/or soil types should adjust areas accordingly, subject to approval of the Engineer.
3. Thrust blocks to be poured against undisturbed soil.
4. Joints and face of plugs to be kept clear of concrete.

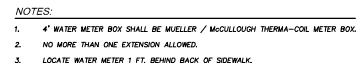
STANDARD THRUST BLOCKS (WA)
N.T.S.



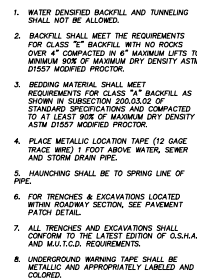
VALVE AND BOX (WB)
N.T.S.



FIRE HYDRANT ASSEMBLY (WC)
N.T.S.



WATER METER
N.T.S.



TRENCH DETAIL



1. SPECIAL CONSTRUCTION PRACTICES FOR WATER DRAIN LATERAL CROSSING WATER MAIN SHALL BE PER NAC 454.87165 SEPARATION OF LINES - SEWER MAIN CROSSING WATER MAIN AND NDDP BUREAU OF SAFE DRINKING WATER PUBLIC UTILITY GUIDANCE MANUAL REQUIRING MITIGATION FOR WATER AND SEWER SEPARATION" EDITION 1.0, UPDATED JUNE 2010, BULLETIN 3.0 SPECIAL CONSTRUCTION PRACTICES FOR WATER DRAIN SEWER MITIGATION IN AREA OF SPECIAL CONSTRUCTION PAGE 9 OF 15.
2. THE PIPE JOINTS FOR WATER AND STORM DRAIN SHALL BE EQUAL DISTANCE FROM THE POINT OF CROSSING.
3. THE WATER PIPE AND STORM DRAIN PIPE SHALL BE A MINIMUM OF 6" APART MEASURED FROM THE OUTSIDE OF THE PIPE.
4. THE STORM DRAIN SHALL HAVE WATER TIGHT JOINTS MEETING D3212 AS SPECIFIED FOR THE PROJECT.
5. THE WATER PIPE LINE SHALL HAVE RESTRAINT JOINTS ON BOTH SIDES OF THE CROSSING AND ON ANY BENDS REQUIR FOR THE CROSSING.

SPECIAL CROSSING

