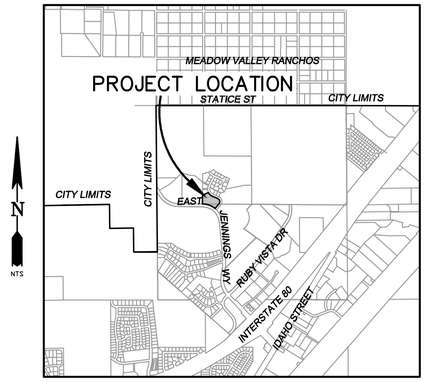
BERGERON VILLAGE PATIO HOMES
AREA 1 SINGLE FAMILY RESIDENTIAL SUBDIVISION
SITE IMPROVEMENT CIVIL CONSTRUCTION PLANS

LEGEND

EXISTING SANITARY SEWER MANHOLE	S	EXISTING WATER VALVE	
EXISTING SANITARY SEWER LINE	8" SS	PROPOSED WATER SERVICE & METER	WS WM
PROPOSED SANITARY SEWER MANHOLE	S	CALCULATED POINT NOTHING SET	
PROPOSED SANITARY SEWER LINE	8" SS	DETAIL REFERENCE NUMBER FOR DETAILS ON SHEETS C8 - C11	K C8
PROPOSED SANITARY LATERAL	SS	PROPOSED PAVEMENT	
PROPOSED SANITARY SEWER CLEAN OUT		EXISTING GROUND CONTOUR	5280
EXISTING STORM DRAIN MANHOLE	D	FINISH GRADE CONTOUR	5280
EXISTING STORM DRAIN	24" SD	SPOT ELEVATION	ELEV LABEL
EXISTING GAS LINE	GAS	PERCENT OF SLOPE	2.00%
EXISTING WATER LINE	W	EXISTING DRAINAGE SWALE	
EXISTING WATER VALVE		EXISTING OVERHEAD POWER	OP
EXISTING FIRE HYDRANT		EXISTING WATER VALVE	
PROPOSED WATER LINE	W		
PROPOSED FIRE HYDRANT			



VICINITY MAP

SHEET INDEX

C1 ..... TITLE SHEET & SITE SPECIFICATIONS
C2 ..... SITE PLAN
C3 ..... GRADING PLAN
C4 ..... WATER PLAN
C5 ..... SANITARY SEWER
C6 ..... PLAN AND PROFILE LOUISE LANE
C7 ..... PLAN AND PROFILE COCO COURT & HARRISON AVENUE
C8 ..... IMPROVEMENT DETAILS
C9 ..... IMPROVEMENT DETAILS
C10 ..... WATER IMPROVEMENT DETAILS
C11 ..... SANITARY SEWER AND STORM DRAIN DETAILS

PROJECT INFORMATION

1. ZONING: - R - SINGLE FAMILY AND MULTIPLE FAMILY RESIDENTIAL.
2. APN = 001-577-RLB
3. PARCELS TO BE SUBDIVIDED ARE IN LOCATED IN SECTION 2 OF TOWNSHIP 34 NORTH, RANGE 55 EAST M.D.B.& M.
4. LEGAL DESCRIPTION = LOT B OF FILE NUMBER 846012 IN THE OFFICE OF THE ELKO COUNTY RECORDER.
5. TOTAL PROPERTY = 3.056 ACRES
6. DENSITY IS 5.56 LOTS PER ACRE.
7. 17 PROPOSED PATIO HOME LOTS.
8. ZERO PROPOSED RIGHT OF WAY DEDICATION.
9. ALL STREETS WILL BE PRIVATELY OWNED AND MAINTAIN BY THE HOME OWNERS ASSOCIATION.
10. UTILITY MAINS TO BER PUBLIC (CITY OF ELKO) AND LOCATED WITHIN A 35 FOOT TO 40 FOOT UTILITY EASEMENT. SEE SHEET C2 FOR WIDTH.
11. 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
    ZITO MEDIA - COMMUNICATIONS AND TELEVISION
    OTHER COMMUNICATION PROVIDERS IF IN THE AREA
    ELKO SANITATION - WASTE DISPOSAL
12. THIS PROPERTY IS LOCATED IN ZONE X (AREA OF MINIMAL FLOOD HAZARD) PER FEMA FIRM MAP 32007C5607E EFFECTIVE 9-4-13
13. THE ESTIMATED SANITARY SEWER CONTRIBUTION IS 350 GPD/LOT. 17 LOTS x 350 GPD/LOT = 5,950 GPD.
14. THE ESTIMATED WATER DEMAND IS 1.12 AC-FT/YEAR/LOT. 17 LOTS x 1.12 AC-FT/YEAR/LOT = 19.04 AC-FT/YEAR.
15. DEED RESTRICTIONS PER FILE NOs 799110, 799391, 805843 AND 860057.
16. NO ADDRESSES ASSIGNED TO THE PARCELS AT THIS TIME.
17. BASIS OF BEARING AND ELEVATION IS ELKO GRID.
18. THERE ARE NO CITY OF ELKO WATER WELLS IN THIS AREA. THERE ARE PRIVATE DOMESTIC WELL LOCATED IN THE COUNTY SUBDIVISION TO THE NORTH.
19. EARTHWORK
    TOTAL CUT = 1,873 BANK CUBIC YARDS
    TOTAL FILL = 1,514 BANK CUBIC YARDS
20. NO SLOPES GREATER THAN 2:1. SLOPES AT 3:1 OR STEEPER WILL BE STABILIZED WITH VEGETATION OR RIP RAP.
21. IN ADDITION TO THE EXISTING EASEMENTS AND EASEMENTS SHOWN A 5' WIDE PUBLIC UTILITY AND DRAINAGE EASEMENT IS PROPOSED ALONG ALL SIDE LOT LINES.
22. THE DEVELOPMENT OF THIS PROPERTY AS SHOWN ON THESE PLANS IS BASED ON THE DEVELOPMENT AGREEMENT BETWEEN THE OWNER-DEVELOPER AND THE CITY OF ELKO.

PROJECT SPECIFICATIONS:

1. **PROJECT STANDARD SPECIFICATIONS.** ALL WATER SYSTEM WORK SHALL BE EXECUTED AND COMPLETED IN ACCORDANCE WITH THE ***"STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2016 EDITION" AND THE AMERICAN WATER WORKS ASSOCIATION (AWWA) AS THEY EXISTED JUL Y 1, 2022.*** ALL OTHER WORK RELATED TO THESE CIVIL IMPROVEMENTS SHALL BE EXECUTED AND COMPLETED IN ACCORDANCE WITH THE ***"STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION",*** SPONSORED AND DISTRIBUTED BY THE REGIONAL TRANSPORTATION COMMISSION OF WASHOE COUNTY AND ADOPTED BY THE CITY OF ELKO, NEVADA FOR PUBLIC WORKS CONSTRUCTION. ALL CIVIL WORK SHALL COMPLY WITH THE APPLICABLE SECTIONS OF THESE SPECIFICATIONS UNLESS MODIFIED WITHIN THE WRITTEN CONTRACT WITH THE CONTRACTOR. THESE SPECIFICATIONS SHALL BE HEREAFTER REFEREED TO AS THE PROJECT'S ***"STANDARD SPECIFICATIONS"***. CONSTRUCTION DETAILS SHALL COMPLY WITH THE CONSTRUCTION DETAILS SHOWN IN THESE PLANS. CONSTRUCTION DETAILS NOT SHOWN SHALL BE IN ACCORDANCE WITH THE ***STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION***, AS ADOPTED AND DISTRIBUTED BY THE CITY OF ELKO.
2. **CLEARING & GRUBBING AND REMOVAL OF MATERIALS.** CLEARING & GRUBBING SHALL CONSIST OF REMOVING ALL BRUSH, GRASS, TOPSOIL MATERIALS AND OTHER NATURAL OR OBJECTIONABLE MATERIAL FROM THE CONSTRUCTION LIMITS PRIOR SUBGRADE PREPARATION. CLEARING & GRUBBING SHALL BE PERFORMED IN ACCORDANCE WITH **SECTION 300 SITE PREPARATION** OF THE REFERENCED ***STANDARD SPECIFICATIONS.***
3. **STORMWATER AND EROSION CONTROL.** THE CONTRACTOR SHALL MAINTAIN AN EROSION CONTROL PROGRAM ON SITE AT ALL TIMES THAT MEETS, OR EXCEEDS, THE CITY OF ELKO AND THE STATE OF NEVADA REQUIREMENTS. THIS SHALL INCLUDE BUT NOT BE LIMITED TO THE PLACEMENT OF FIBER ROLLS AT THE DOWN STREAM LOCATIONS OF THE JOBSITE AND VEHICLE MUD TRACKOUT PREVENTION MEASURES AT INGRESS AND EGRESS LOCATIONS ON THE JOB SITE. THE CONTRACTOR SHALL MAINTAIN AND ON GOING PROCESS FOR REMOVAL OF SPILLAGE OF EXCAVATED MATERIAL OR TRACK OUT ON ALL PAVED STREETS. THE CONTRACTOR SHALL DESIGNATE A LOCATION ON SITE TO CONSTRUCT A CONCRETE WASHOUT PIT FOR READY-MIX CONCRETE CLEANUP. AT THE COMPLETION OF WORK THE CONCRETE CLEANUP PIT SHALL BE REMOVED FROM THE SITE. A CLEAN JOBSITE SHALL BE MAINTAINED BY THE CONTRACTOR. A STORM WATER DISCHARGE PERMIT, FROM THE STATE OF NEVADA AND CITY OF ELKO, IS REQUIRED ON ALL CONSTRUCTION WORK SITES THAT EXCEED 1.0 ACRES IN SIZE. THE WORK SITE FOR THIS COVERED UNDER EXISTING PERMIT CSW-52223.
4. **DUST CONTROL PROGRAM.** THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A DUST CONTROL PROGRAM ON SITE AT TIMES TO INCLUDE WATERING OF OPEN AREAS. THE PROGRAM SHALL BE IN COMPLIANCE WITH ALL FEDERAL, STATE, COUNTY AND CITY CODES. THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO ENSURE THAT AIR-BORN DUST DOES NOT LEAVE THE JOBSITE. ALL AREAS DISTURBED AND LEFT UNDEVELOPED FOR A PERIOD OF MORE THAN 30 DAYS SHALL BE STABILIZED BY THE APPLICATION OF A DUST PALLIATIVE. ALL AREAS DISTURBED AND LEFT UNDEVELOPED FOR A PERIOD OF MORE THAN 90 DAYS SHALL BE HYDRO-SEEDED WITH AN APPROVED SEED MIX AND TACKIFIER AND SHALL BE IRRIGATED UNTIL FIRMLY ESTABLISHED AS APPROVED BY THE CITY OF ELKO.
5. **UNDERGROUND UTILITIES.** ALL UTILITY TRENCHES SHALL CONFORM TO THE CITY OF ELKO AND UTILITY COMPANY SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UNDERGROUND UTILITIES AT ALL TIMES DURING CONSTRUCTION. THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE PROJECT DRAWINGS ARE APPROXIMATE AND BASED ON EXISTING RECORDS AND FIELD SURVEYS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR SHALL CALL **811 USA NORTH** FOR UTILITY FIELD LOCATIONS AT LEAST 48 HOURS PRIOR TO COMMENCING EXCAVATION ON SITE. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE FOLLOWING UTILITY COMPANIES:

ELECTRIC POWER	NV ENERGY
NATURAL GAS	SOUTHWEST GAS CORPORATION
TELEPHONE	FRONTIER
FIBER OPTIC COMMUNICATION LINES	AT&T, US SPRINT, FRONTIER TELEPHONE AND OTHER FIBER OPERATORS
CABLE TV	ZITO MEDIA

6. **REMOVAL OF EXISTING IMPROVEMENTS.** REMOVAL OF BITUMINOUS PAVEMENT, CONCRETE SIDEWALK, AND CURB & GUTTER SHALL BE IN ACCORDANCE WITH **SECTION 300 SITE PREPARATION** AND **SECTION 301 PROTECTION AND RESTORATION** OF THE PROJECT ***STANDARD SPECIFICATIONS***. THE CONTRACTOR SHALL SAWCUT ALL PAVEMENT AND CONCRETE AT THE LOCATIONS SHOWN ON THE PROJECT PLANS PRIOR TO REMOVAL.
7. **WATER DISTRIBUTION PIPE MATERIALS**. ALL WATER PIPE INSTALLED SHALL BE IN ACCORDANCE WITH CITY OF ELKO STANDARDS AND SHALL MEET THE REQUIREMENTS OF **SECTION 203.00 PIPE AND RELATED MATERIALS** OF THE REFERENCED PROJECT ***STANDARD SPECIFICATIONS,*** THE LATEST ADOPTED EDITION OF THE **UNIFORM PLUMBING CODE** THE LATEST ADOPTED EDITION OF THE **UNIFORM FIRE CODE**. ALL MATERIALS IN CONTACT WITH POTABLE WATER MUST BE NSF/ANSI 61 CERTIFIED AS LEAD FREE AND COMPATIBLE WITH DRINKING WATER. INSTALLATION OF BURIED WATER PIPE MATERIALS SHALL BE DONE AS SPECIFIED IN **SECTION 305 PIPE SYSTEMS** AND **SECTION 307 FIRE HYDRANTS** OF THE PROJECT ***STANDARD SPECIFICATIONS***. WATER MAIN PIPE SHALL BE AWWA DR18 C-900 WATER PIPE. WATER SERVICE PIPE SHALL BE AWWA C901 POLYETHYLENE WATER SERVICE PIPE , IRON PIPE SIZE (IPS), WITH A MINIMUM WORKING PRESSURE OF 200-PSI . CONSTRUCTION SHALL COMMENCE UPON APPROVAL OF THE CONSTRUCTION PLANS BY THE CITY OF ELKO AND NEVADA DEPARTMENT OF ENVIRONMENTAL PROTECTION. VERTICAL AND HORIZONTAL SEPARATION OF ALL WATER AND SEWER (SANITARY OR STORM) UTILITIES SHALL BE MAINTAINED PER **NAC SECTION 445A.6715 - 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. WATER LINES SHALL BE INSTALLED A MINIMUM OF 42" MEASURE FROM FINISH GRADE TO TOP OF THE PIPE. THE CITY OF ELKO UTILITIES DEPARTMENT SHALL BE CONTACTED TO PERFORM ALL TAPS ONTO CITY OF ELKO UTILITIES. THE CITY OF ELKO SHALL BE CONTACTED FOR AUTHORIZATION TO PLACE ANY NEW WATER SYSTEMS, EXTENSION, REPLACEMENTS IN EXISTING SYSTEMS AND VALVED SECTIONS INTO SERVICE FOR TESTING OR FINAL ACCEPTANCE. 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-651 (DISINFECTING WATER MAINS)** AND BE PRESSURE TESTED IN ACCORDANCE WITH **NAC 445A 67145.7 (A) AND (B) AND AWWA C-605**. THE DISPOSAL OF HIGHLY CHLORINATED WATER MUST BE COORDINATED WITH NEVADA DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF WATER POLLUTION CONTROL.
8. **SANITARY SEWER AND STORM DRAIN PIPE**. ALL SANITARY SEWER AND STORM DRAIN PIPE MATERIALS INSTALLED SHALL BE IN ACCORDANCE WITH CITY OF ELKO STANDARDS AND SHALL MEET THE REQUIREMENTS OF **SECTION 203.00 PIPE AND RELATED MATERIALS** OF THE REFERENCED PROJECT ***STANDARD SPECIFICATIONS*** AS ADOPTED FOR PUBLIC WORKS CONSTRUCTION AND THE LATEST ADOPTED EDITION OF THE **UNIFORM PLUMBING CODE**. SANITARY SEWER SHALL BE SDR-35 GRAVITY SEWER PIPE INSTALLED IN LOCATIONS SHOWN ON THE PLAN. STORM DRAIN SHALL BE ADS N-12 PIPE WITH WATER TIGHT JOINTS INSTALLED IN THE LOCATION SHOWN ON THE PLAN. INSTALLATION OF BURIED SANITARY SEWER AND STORM DRAIN MATERIALS SHALL BE DONE AS SPECIFIED IN **SECTION 306 CULVERTS, AND SANITARY SEWER AND STORM DRAIN SYSTEMS** OF THE PROJECT ***STANDARD SPECIFICATIONS.*** CONSTRUCTION SHALL COMMENCE UPON APPROVAL OF THE CONSTRUCTION PLANS BY THE CITY OF ELKO AND NEVADA DEPARTMENT OF ENVIRONMENTAL PROTECTION. VERTICAL AND HORIZONTAL SEPARATION OF ALL WATER AND SANITARY UTILITIES SHALL BE MAINTAINED PER **NAC SECTION 445A.6715 - SECTION 445A.6718**.
9. **SUBGRADE PREPARATION, EXCAVATION AND FILL.** SUBGRADE SOILS SHALL BE PROPERLY PROCESSED BY MOISTURIZING AND COMPACTING THE SUBGRADE SOIL TO A MINIMUM OF 90% MAXIMUM DRY DENSITY IN ACCORDANCE WITH TEST METHOD ASTM D 1557. FILL SOIL SHALL ALSO BE PROPERLY MOISTURIZED AND COMPACTED TO A MINIMUM OF 90% MAXIMUM DRY DENSITY IN ACCORDANCE WITH TEST METHOD ASTM D 1557. SUBGRADE UNDER BITUMINOUS PAVEMENT SHALL BE PROPERLY MOISTURIZED AND COMPACTED (6-INCH DEPTH) TO A MINIMUM OF 95% MAXIMUM DRY DENSITY IN ACCORDANCE WITH TEST METHOD ASTM D 1557. EARTHWORK SHALL COMPLY WITH **SECTION 302 SUBGRADE PREPARATION** AND **SECTION 303 EXCAVATION, SECTION 304 FILL AND BACKFILL** OF THE PROJECT ***STANDARD SPECIFICATIONS.***
10. **AGGREGATE BASE MATERIAL.** AGGREGATE BASE MATERIAL SHALL BE OF THE CLASSIFICATION SHOWN ON THE PLANS AND SHALL BE PLACED TO THE COMPACTED THICKNESS SHOWN . AGGREGATE BASE SHALL BE MOISTURIZED, SPREAD, AND COMPACTED IN MAXIMUM LIFT THICKNESS OF 8-INCHES. MINIMUM COMPACTION REQUIREMENTS ARE 95% MAXIMUM DRY DENSITY IN ACCORDANCE WITH TEST METHOD ASTM D 1557. ALL AGGREGATE BASE MATERIAL, INCLUDING TYPE 2, CLASS B, AGGREGATE BASE, SHALL MEET THE MATERIAL REQUIREMENTS SPECIFIED IN **SECTION 200 AGGREGATES FOR BASE COURSES** OF THE ***STANDARD SPECIFICATIONS.*** PLACEMENT OF AGGREGATE BASE MATERIAL SHALL BE AS SPECIFIED IN **SECTION 308 UNTREATED BASE COURSES** OF THE PROJECT ***STANDARD SPECIFICATIONS.***
11. **CONCRETE CURB & GUTTERS, VALLEY GUTTERS, SIDEWALK AND APPROACH SLABS.** AGGREGATES FOR CONCRETE SHALL COMPLY WITH **SECTION 200 AGGREGATES** OF THE PROJECT ***STANDARD SPECIFICATIONS.*** CEMENT AND OTHER ADMIXTURES SHALL COMPLY WITH **SECTION 202 CEMENTITIOUS AND RELATED MATERIALS.** ALL CONCRETE SHALL BE AIR ENTRAINED WITH A MINIMUM STRENGTH OF 4,000-PSI AT 28-DAYS. CONCRETE MIX DESIGNS SHALL BE PROVIDED TO THE ENGINEER AND SHALL BE CURRENT (WITH IN THE LAST 12 MONTHS). MIX DESIGNS SHALL BE AS SPECIFIED IN THE PROJECT ***STANDARD SPECIFICATIONS*** FOR THE TYPE OF WORK. CONCRETE SHALL BE PLACED, FINISHED AND CURED IN ACCORDANCE WITH **SECTION 312 PCC FLATWORK, CURBS, DITCHES AND SLOPE PAVING RETURNS** OF THE PROJECT ***STANDARD SPECIFICATIONS.***
12. **PLANTMIX BITUMINOUS PAVEMENT, PRIME COATS, SEAL COATS, AND ASPHALTIC MATERIALS.** AGGREGATES FOR BITUMINOUS PAVEMENT SHALL BE AS SPECIFIED IN **SECTION 200 AGGREGATES** OF THE PROJECT ***STANDARD SPECIFICATIONS.*** ASPHALT CEMENTS AND BITUMINOUS MATERIALS SHALL MEET THE REQUIREMENTS OF **SECTION 201 ASPHALTS AND ADDITIVES MATERIALS** OF THE PROJECT ***STANDARD SPECIFICATIONS.*** THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A MIX DESIGN FOR APPROVAL PRIOR TO PLACEMENT OF BITUMINOUS PAVING MATERIALS. PLANTMIX BITUMINOUS PAVEMENT SHALL BE PG 64-22, **TYPE 2 AGGREGATE**, UNLESS OTHERWISE SPECIFIED OR APPROVED. LIQUID ASPHALT AND EMULSIFIED ASPHALT PRIME COAT SHALL BE PLACED IN ACCORDANCE WITH **SECTION 318 PRIME COAT** AND **TACK COAT** OF THE ***STANDARD SPECIFICATIONS.*** PLANTMIX BITUMINOUS PAVEMENT SHALL BE DELIVERED, PLACED AND COMPACTED WITHIN SPECIFIED TOLERANCES IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN **SECTION 320 HMA PAVEMENT** OF THE PROJECT ***STANDARD SPECIFICATIONS.***
13. ALL ELEVATIONS SHOWN ON THE CONSTRUCTION PLANS ARE TO THE FINISH GRADE ELEVATION OF THE MATERIAL COURSES INDICATED ON THE PLAN DRAWINGS. BURIED UTILITY LINE ELEVATIONS SHALL BE NOTED AS INVERT ELEVATION (PIPE FLOWLINE). THE CONTRACTOR SHALL VERIFY UTILITY LINE LOCATIONS AND PROTECT THESE LINES.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AN ADEQUATE SAFETY PROGRAM DURING ALL CONSTRUCTION WORK ON THE PROJECT SITE. MINIMUM SAFETY STANDARDS TO BE MET ON THE JOB SHALL EXCEED THOSE MINIMUM STANDARDS ESTABLISHED BY THE FEDERAL GOVERNMENT (OSHA), THE STATE OF NEVADA AND THE LOCAL GOVERNING AUTHORITY.
15. THE CONSTRUCTION INSPECTION AND TESTING SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF **SECTION 336.00** OF THE PROJECT **STANDARD SPECIFICATIONS**.
16. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE SOILS ENGINEER, THE CITY OF ELKO AND ALL UTILITY COMPANIES 48 HOURS PRIOR TO COMMENCEMENT OF THE WORK.
17. THE CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS, DIMENSIONS, FLOW LINE, EXISTING CONDITIONS AND POINTS OF CONNECTION WITH ADJOINING PROPERTY (PUBLIC OR PRIVATE). ANY DISCREPANCIES SHALL BE CALL TO THE ATTENTION OF THE PROJECT ENGINEER BEFORE PROCEEDING WITH THE WORK.
18. THE CONTRACTOR SHALL WORK WITH THE PROJECT ENGINEER TO ENSURE ACCURATE AS-BUILTS ARE GENERATED AND SUBMITTED TO THE CITY OF ELKO BY THE PROJECT ENGINEER.
19. UPON COMPLETION OF WORK THE CONTRACTOR SHALL FINISH GRADE ALL DISTURBED AREAS AND CLEANUP ALL CONSTRUCTION DEBRIS. THE CONDITION OF THE WORK SITE SHALL BE LEFT IN A CLEAN CONDITION FREE OF ALL CONSTRUCTION DEBRIS FOLLOWING CONSTRUCTION.
20. THESE PLANS ARE IN COMPLIANCE WITH NAC 278.440 AND NAC 445A.65505 THROUGH NAC 445A.6731.

ABBREVIATIONS:

AC	ASPHALTIC CONCRETE	PI	POINT OF INTERSECTION
BVC	BEGIN VERTICAL CURVE	PC	POINT OF CURVATURE
CL	CENTERLINE	PT	POINT OF TANGENCY
CONC	CONCRETE	PVC	POLYVINYL CHLORIDE PIPE
DI	DROP INLET	PL	PROPERTY LINE
EL	ELEVATION	R	RADIUS
ELEV	ELEVATION	REF	REFERENCE
EVC	END OF VERTICAL CURVE	RT	RIGHT
EX	EXISTING	ROW	RIGHT OF WAY
EG	EXISTING GRADE	SS	SANITARY SEWER
FG	FINISH GRADE	SSCO	SANITARY SEWER CLEANOUT
FH	FIRE HYDRANT	SW	SIDEWALK
FL	FLOW LINE	S	SLOPE
G	GAS	SHT	SHEET
GV	GATE VALVE	STA	STATION
GB	GRADE BREAK	SD	STORM DRAIN
HORZ	HORIZONTAL	T	TELEPHONE
IPS	IRON PIPE SIZE	TBC	TOP BACK OF CURB
INT	INTERSECTION	TC	TOP OF CONCRETE
IE	INVERT ELEVATION	TYP	TYPICAL
LT	LEFT	VERT	VERTICAL
LF	LINEAR FEET	VC	VERTICAL CURVE
MH	MANHOLE	W	WATER

PROJECT CONTACTS

OWNER-DEVELOPER
BELDCO, LLC C/O DGB INVESTMENTS INC.
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EMAIL: lanalcarter@live.com

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ELKO, NEVADA 89801
CONTACT: TOM HANNUM, P.E.
(775) 738-8058
EMAIL: thannum@sanbell.com

Lana L Carter

Digitally signed by Lana L Carter
DN: cn=Lana L Carter, o=Carter Engineering, LLC, ou, email=lanalcarter@live.com, c=US
Date: 2026.04.24 20:23:05 -07'00'

FOR REVIEW ONLY

PROFESSIONAL ENGINEER — LANA L. CARTER — EXP. 12/31/26 — CIVIL — No. 10962 — STATE OF NEVADA

4-24-26

REV	DATE	DESCRIPTION
1	2-7-26	CITY OF ELKO PLAN CHECK COMMENTS
2	2-7-26	ENGINEER'S CORRECTION
3	4-6-26	NDEP COMMENTS PER 4-2-26 LETTER
4	4-24-26	NDEP COMMENTS PER 4-16-26 LETTER

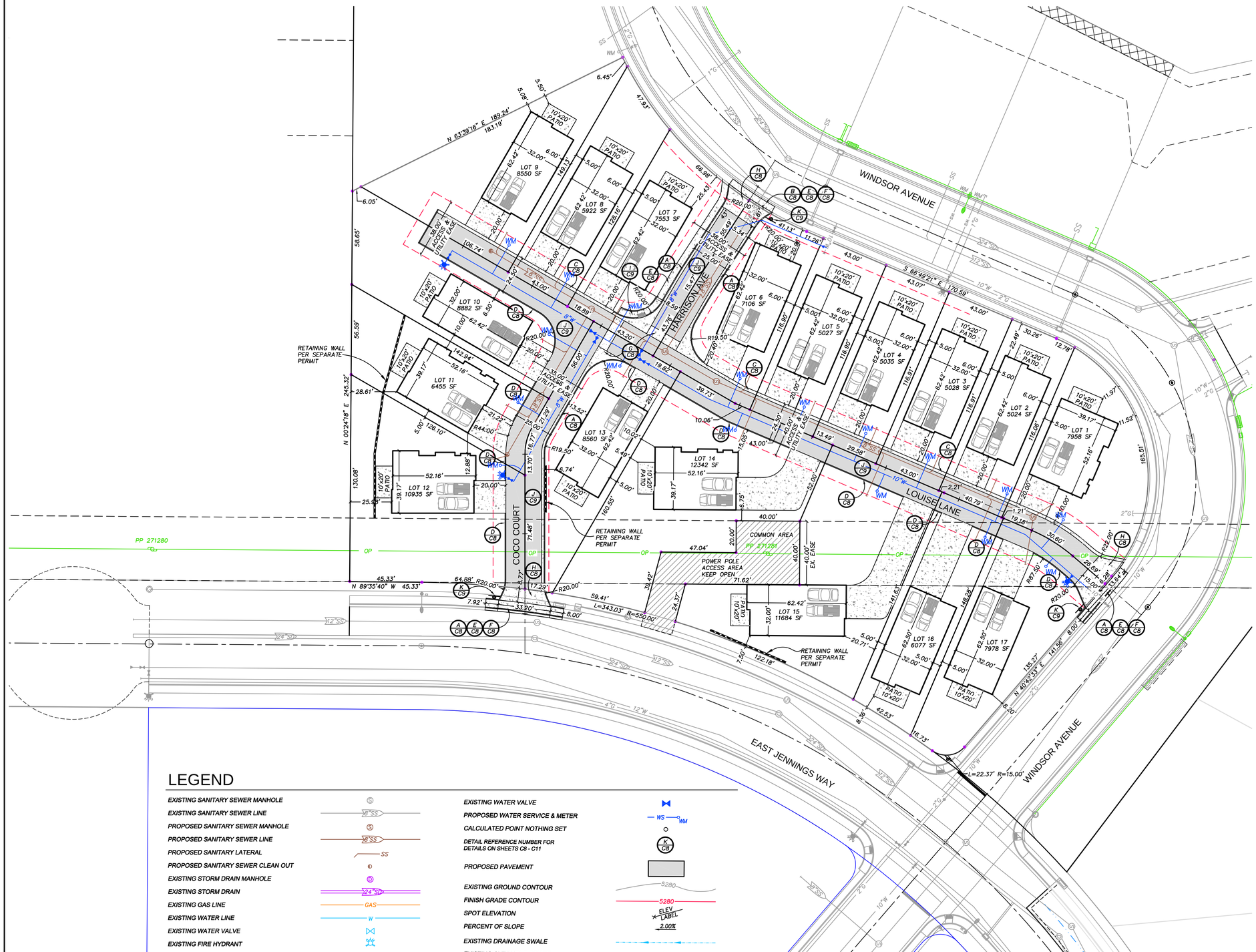
Carter Engineering, LLC
Civil Engineering
P. O. Box 794
Elko, Nevada 89803
775-397-2531

BERGERON VILLAGE PATIO HOMES
AREA 1
TITLE SHEET & SPECIFICATIONS
ELKO, NEVADA

DESIGN BY:	LLC
DRAWN BY:	LLC
CHECKED BY:	LLC
DATE:	4-24-26
JOB NO:	10-2025
DWG NO:	2026-01

SCALE
HORIZ: N/A
VERT: N/A

SHEET
C1
OF 11



LEGEND

EXISTING SANITARY SEWER MANHOLE	EXISTING WATER VALVE
EXISTING SANITARY SEWER LINE	PROPOSED WATER SERVICE & METER
PROPOSED SANITARY SEWER MANHOLE	CALCULATED POINT NOTHING SET
PROPOSED SANITARY SEWER LINE	DETAIL REFERENCE NUMBER FOR DETAILS ON SHEETS C8 - C11
PROPOSED SANITARY LATERAL	PROPOSED PAVEMENT
PROPOSED SANITARY SEWER CLEAN OUT	EXISTING GROUND CONTOUR
EXISTING STORM DRAIN MANHOLE	FINISH GRADE CONTOUR
EXISTING STORM DRAIN	SPOT ELEVATION
EXISTING GAS LINE	PERCENT OF SLOPE
EXISTING WATER LINE	EXISTING DRAINAGE SWALE
EXISTING WATER VALVE	EXISTING OVERHEAD POWER
EXISTING FIRE HYDRANT	EXISTING WATER VALVE
PROPOSED WATER LINE	
PROPOSED FIRE HYDRANT	

SITE NOTES:

1. ALL P.C.C. CURB, GUTTER, SIDEWALK, REINFORCED CONCRETE PAD AND CONCRETE RETAINING SHALL BE A MINIMUM OF 6 SACK OF CEMENT PER CUBIC YARD OF CONCRETE (4000 P.S.I.), 4.5% - 7.5% AIR, MAXIMUM SLUMP OF 4" AND WATER/CEMENT RATIO OF 0.45.
2. ALL CONCRETE CURB & GUTTER SHALL HAVE WEAKENED PLANE JOINTS EVERY 10' AND SIDEWALK SHALL HAVE WEAKENED PLANE JOINTS EVERY 5'.
3. EXPANSION JOINTS 1/2" WIDE SHALL BE LOCATED IN CURBS & GUTTERS AT EACH SIDE OF STRUCTURES, AT ENDS OF ALL CURB RETURNS, ABUTTING 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 95% 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 C8 AND C9 FOR DETAILS ON CURB AND GUTTER, SIDEWALK, DRIVEWAY APPROACH (TYPE 2), VALLEY GUTTER WITH APRONS, CURB RAMP, STREET MONUMENT, PAVEMENT SECTION, SAW CUT AND STREET SECTION.
14. THE COMMUNITY MAIL BOX LOCATION WILL BE AT THE SAME LOCATION AS THAT SHOWN ON THE BERGERON VILLAGE PHASE 2 PLANS ON WINDSOR DRIVE APPROXIMATE STATION 6+50, ±150' NORTHEAST OF THE INTERSECTION WITH EAST JENNINGS AVENUE.

FOR REVIEW ONLY

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEVADA
JANA L. CARTER
EXP. 12/31/26
CIVIL
No. 10962
4-24-26

30 0 30 60 90 120
SCALE: 1"=30'

REV	DATE	DESCRIPTION
1	2-7-26	CITY OF ELKO PLAN CHECK COMMENTS

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

BERGERON VILLAGE PATIO HOMES
AREA 1
SITE PLAN
ELKO, NEVADA

DESIGN BY:	LLC	DATE:	4-26-24
DRAWN BY:	LLC	JOB NO:	10-2025
CHECKED BY:	LLC	DWG NO:	2026-01

SCALE
HORIZ: 1"=30'
VERT: N/A

SHEET C2
OF 11

LEGEND

- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER LINE — 8"SS
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER LINE — 8"SS
- PROPOSED SANITARY LATERAL — SS
- PROPOSED SANITARY SEWER CLEAN OUT
- EXISTING STORM DRAIN MANHOLE
- EXISTING STORM DRAIN — 24"SD
- EXISTING GAS LINE — GAS
- EXISTING WATER LINE — W
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- PROPOSED WATER LINE — W
- PROPOSED FIRE HYDRANT
- EXISTING WATER VALVE
- PROPOSED WATER SERVICE & METER — WS — WM
- CALCULATED POINT NOTHING SET
- DETAIL REFERENCE NUMBER FOR DETAILS ON SHEETS C8 - C11 (K / C8)
- PROPOSED PAVEMENT
- EXISTING GROUND CONTOUR — 5280
- FINISH GRADE CONTOUR — 5280
- SPOT ELEVATION — ELEV / LABEL
- PERCENT OF SLOPE — 2.00%
- EXISTING DRAINAGE SWALE
- EXISTING OVERHEAD POWER — OP
- EXISTING WATER VALVE

NOTES:

1. THE ESTIMATED EARTHWORK QUANTITIES ARE AS FOLLOWS:

   UNCLASSIFIED EXCAVATION = 1,873 CY CUT
   UNCLASSIFIED EMBANKMENT = 1,514 CY FILL

   THE ABOVE QUANTITIES ARE BANK CUBIC YARDS. NO SHRINK OR SWELL HAVE 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 SHALL NOT EXCEED 2:1.
5. SLOPES GREATER THAN 3:1 SHALL BE SEEDED OR HAVE RIP RAP.
6. THE EXISTING GROUND TOPOGRAPHY SHOWN ON THIS PLAN IS FROM A SURVEY PROVIDED BY HIGH DESERT ENGINEERING ON 3-17-22.
7. THIS PROJECT IS CURRENTLY UNDER AN EXISTING GRADING PERMIT AND CONSTRUCTION STORM WATER PERMIT CSW-52223.

ABBREVIATIONS FOR SPOT ELEVATIONS

BW	FINISH GRADE AT BOTTOM OF WALL
EG	EXISTING GRADE
FG	FINISH GRADE
GB	GRADE BREAK
HP	HIGH POINT
LP	LOW POINT
TBC	TOP BACK OF CURB
TC	TOP OF CONCRETE
TW	TOP OF WALL
VG	LIP OF VALLEY GUTTER

FOR REVIEW ONLY

PROFESSIONAL ENGINEER — STATE OF NEVADA — REGISTERED — JANA C. CARTER — EXP. 12/31/26 — CIVIL — No. 10962

4-24-26

30 0 30 60 90 120

SCALE: 1"=30'

REV	DATE	DESCRIPTION
1	2-7-26	CITY OF ELKO PLAN CHECK COMMENTS

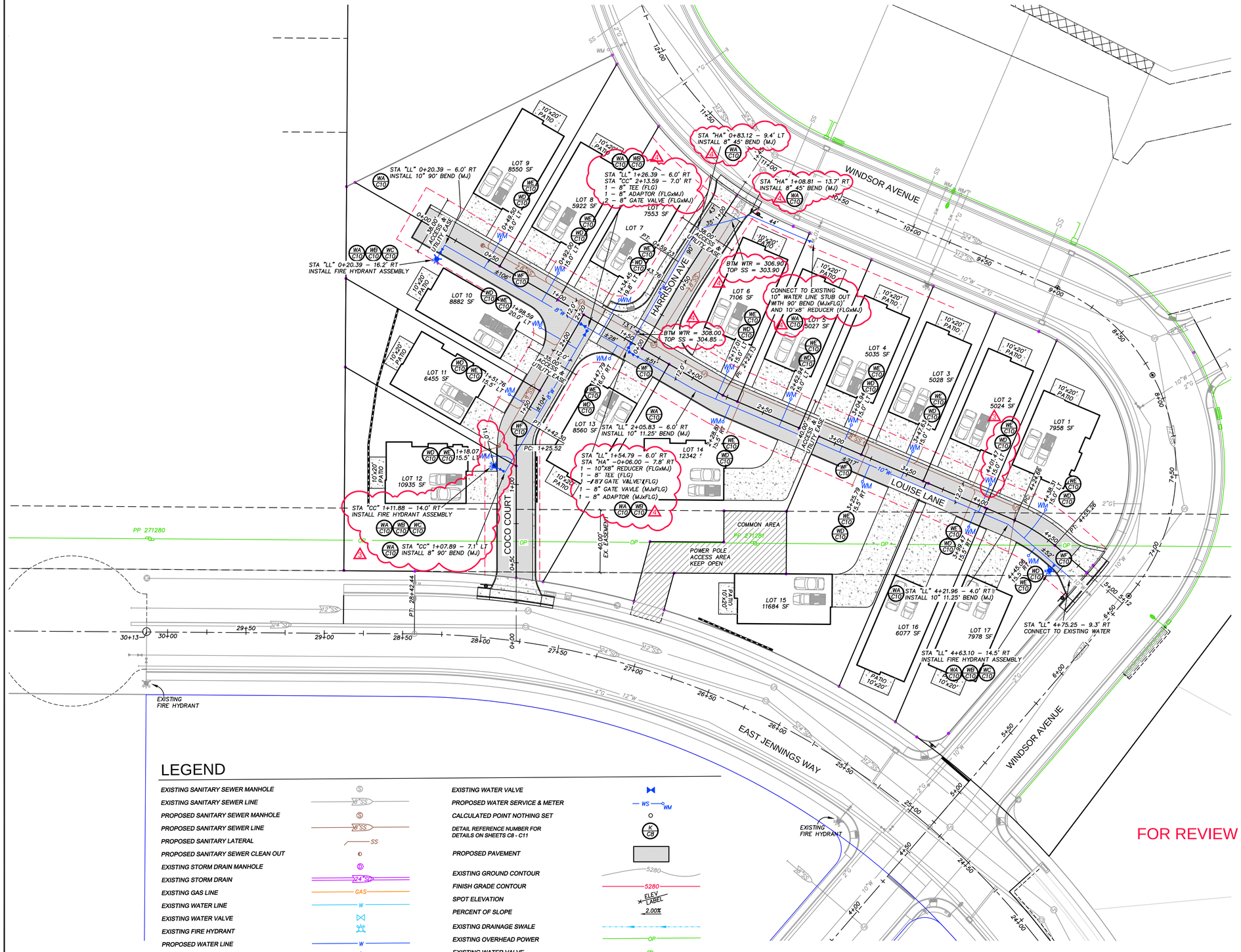
Carter Engineering, LLC
Civil Engineering
P. O. Box 794
Elko, Nevada 89803
775-397-2531

BERGERON VILLAGE PATIO HOMES AREA 1
GRADING PLAN
ELKO, NEVADA

DESIGN BY:	LLC
DRAWN BY:	LLC
CHECKED BY:	LLC
DATE:	4-24-26
JOB NO:	10-2025
DWG NO:	2026-01

SCALE
HORIZ: 1"=30'
VERT: N/A

SHEET C3
OF 11



LEGEND

EXISTING SANITARY SEWER MANHOLE	S	EXISTING WATER VALVE	
EXISTING SANITARY SEWER LINE	8"SS	PROPOSED WATER SERVICE & METER	WS WM
PROPOSED SANITARY SEWER MANHOLE	S	CALCULATED POINT NOTHING SET	
PROPOSED SANITARY SEWER LINE	8"SS	DETAIL REFERENCE NUMBER FOR DETAILS ON SHEETS C8 - C11	K C08
PROPOSED SANITARY LATERAL	SS	PROPOSED PAVEMENT	
PROPOSED SANITARY SEWER CLEAN OUT	⊙		
EXISTING STORM DRAIN MANHOLE	D	EXISTING GROUND CONTOUR	5280
EXISTING STORM DRAIN	24"SD	FINISH GRADE CONTOUR	5280
EXISTING GAS LINE	GAS	SPOT ELEVATION	ELEV LABEL
EXISTING WATER LINE	W	PERCENT OF SLOPE	2.00%
EXISTING WATER VALVE		EXISTING DRAINAGE SWALE	
EXISTING FIRE HYDRANT		EXISTING OVERHEAD POWER	OP
PROPOSED WATER LINE	W	EXISTING WATER VALVE	
PROPOSED FIRE HYDRANT			

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. ALL METERS SHALL BE 1 INCH.
6. ALL NEW FIRE HYDRANTS WILL BE EQUIPPED WITH STORZ FITTINGS.
7. A MINIMUM OF 18" INCHES SEPARATION WILL BE ALLOWED BETWEEN WATER TAPS AS REQUIRED BY THE CITY OF ELKO UTILITIES DEPARTMENT.
8. A MINIMUM OF 2 FOOT SEPARATION WILL BE ALLOWED BETWEEN WATER TAPS AND HYDRANT TAPS AS REQUIRED BY THE CITY OF ELKO UTILITIES DEPARTMENT.
9. WATER AND SEWER LATERALS WILL BE PLACED IN SEPARATE TRENCHES AND LOCATED AT LEAST 48" APART MEASURE FROM OUTSIDE DIAMETERS PER NAC 445A.6716.
10. 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.
11. VERTICAL AND HORIZONTAL SEPARATION OF ALL WATER AND SEWER (SANITARY OR STORM) UTILITIES SHALL BE MAINTAINED PER **NAC SECTION 445A.6715 - 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. THERE ARE NO ANTICIPATED SPECIAL CROSSING FOR THIS PROJECT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR MITIGATION PROCEDURE IN THE EVENT VERTICAL OR HORIZONTAL SEPARATION REQUIRES SPECIAL CROSSING.
12. ANY OPENINGS IN UNFINISHED PIPING AND APPURTENANCES MUST BE SEALED WATERTIGHT AT THE END OF EACH WORKING DAY.
13. ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH APPLICABLE AWWA STANDARDS.
14. THE MAXIMUM JOINT DEFLECTION SHALL NOT EXCEED THE MANUFACTURES SPECIFICATIONS.
15. ALL MATERIALS IN CONTACT WITH POTABLE WATER MUST BE NSF/ANSI 61 CERTIFIED AS LEAD FREE AND COMPATIBLE WITH DRINKING WATER.
16. 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-651 (DISINFECTING WATER MAINS)** AND BE PRESSURE TESTED PRIOR TO FLUSHING, DISINFECTION AND SAMPLING IN ACCORDANCE WITH **NAC 445A 67145.7 (A) AND (B) AND AWWA C-605**. COLIFORM TESTING OF EACH WATER SERVICE IS REQUIRED BY NDEP BUREAU OF SAFE DRINKING WATER (BSDW). THE DISPOSAL OF HIGHLY CHLORINATED WATER MUST BE COORDINATED WITH NEVADA DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF WATER POLLUTION CONTROL. TESTING OF OTHER PIPE PER THE 2016 ORANGE BOOK, BSDW REQUIREMENTS AND THE 2021 UNIFORM PLUMBING CODE.

FOR REVIEW ONLY

PROFESSIONAL ENGINEER
LANA L. CARTER
EXP. 12/31/26
CIVIL
No. 10962
STATE OF NEVADA
REGISTERED
4-24-26

30 0 30 60 90 120
SCALE: 1"=30'

REV	DATE	DESCRIPTION
1	2-7-26	CITY OF ELKO PLAN CHECK COMMENTS
2	2-7-26	ENGINEER'S CORRECTION
3	4-6-26	NDEP COMMENTS PER 4-2-26 LETTER
4	4-24-26	NDEP COMMENTS PER 4-16-26 LETTER

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

BERGERON VILLAGE PATIO HOMES AREA 1 WATER PLAN

ELKO, NEVADA

DESIGN BY:	LLC
DRAWN BY:	LLC
CHECKED BY:	LLC
DATE:	4-24-26
JOB NO:	10-2025
DWG NO:	2026-10

SCALE
HORIZ: 1"=30'
VERT: N/A

SHEET C4
OF 11

SANITARY SEWER NOTES:

1. ALL SEWER LINES SHALL BE SDR-35 P.V.C.
2. IN NO CASE SHALL A LATERAL CONNECT TO THE SEWER MAIN DIRECTLY ON THE TOP OF THE PIPE.
3. SEWER LATERALS TO BE 4" Ø AND SHALL HAVE A MINIMUM SLOPE OF 2% FOR 100-FEET.
4. VERIFY ELEVATION OF EXISTING SANITARY SEWER AT CONNECTION PRIOR TO ANY SANITARY SEWER CONSTRUCTION. CALL ENGINEER FOR VERIFICATION OF ELEVATION.

LEGEND

EXISTING SANITARY SEWER MANHOLE	EXISTING WATER VALVE
EXISTING SANITARY SEWER LINE	PROPOSED WATER SERVICE & METER
PROPOSED SANITARY SEWER MANHOLE	CALCULATED POINT NOTHING SET
PROPOSED SANITARY SEWER LINE	DETAIL REFERENCE NUMBER FOR DETAILS ON SHEETS C8 - C11
PROPOSED SANITARY LATERAL	PROPOSED PAVEMENT
PROPOSED SANITARY SEWER CLEAN OUT	
EXISTING STORM DRAIN MANHOLE	EXISTING GROUND CONTOUR
EXISTING STORM DRAIN	FINISH GRADE CONTOUR
EXISTING GAS LINE	SPOT ELEVATION
EXISTING WATER LINE	PERCENT OF SLOPE
EXISTING WATER VALVE	EXISTING DRAINAGE SWALE
EXISTING FIRE HYDRANT	EXISTING OVERHEAD POWER
PROPOSED WATER LINE	EXISTING WATER VALVE
PROPOSED FIRE HYDRANT	

FOR REVIEW ONLY

PROFESSIONAL ENGINEER — STATE OF NEVADA — REGISTERED — LANA L. CARTER — EXP. 12/31/26 — CIVIL — No. 10962

4-24-26

30 0 30 60 90 120

SCALE: 1"=30'

REV	DATE	DESCRIPTION
1	2-7-26	CITY OF ELKO PLAN CHECK COMMENTS

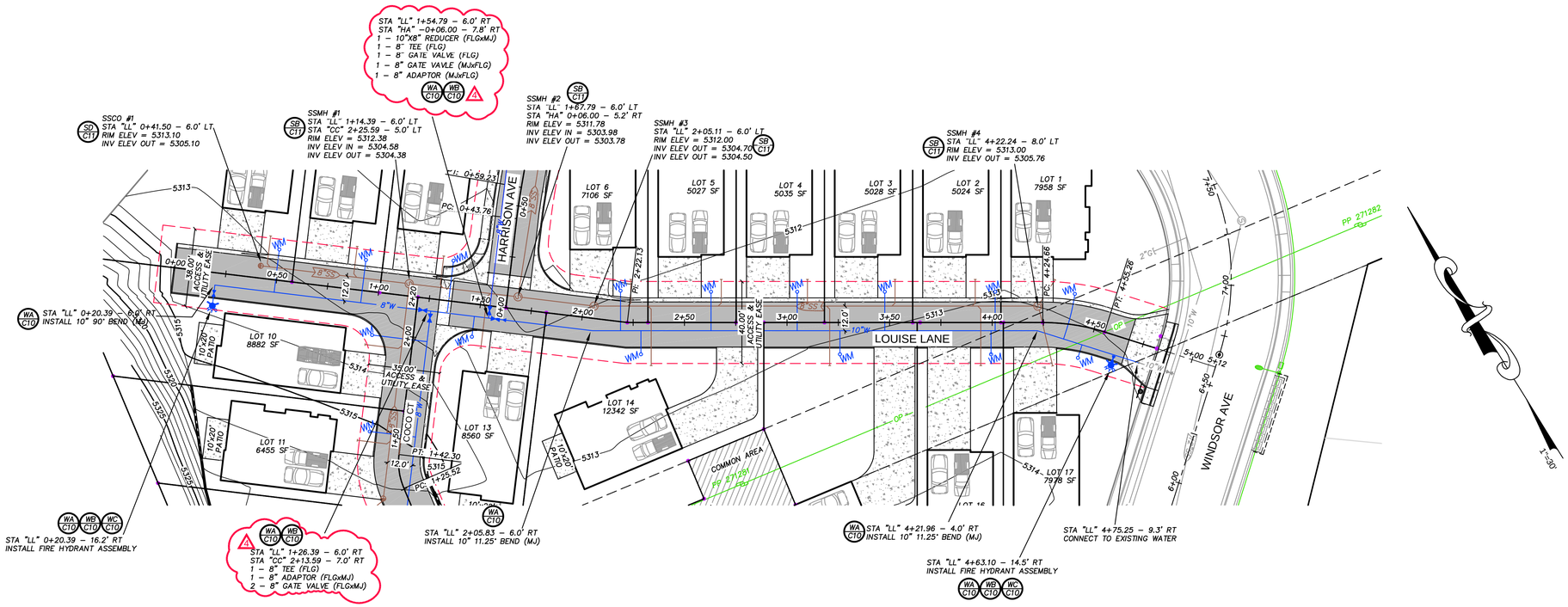
Carter Engineering, LLC
Civil Engineering
P. O. Box 794
Elko, Nevada 89803
775-397-2531

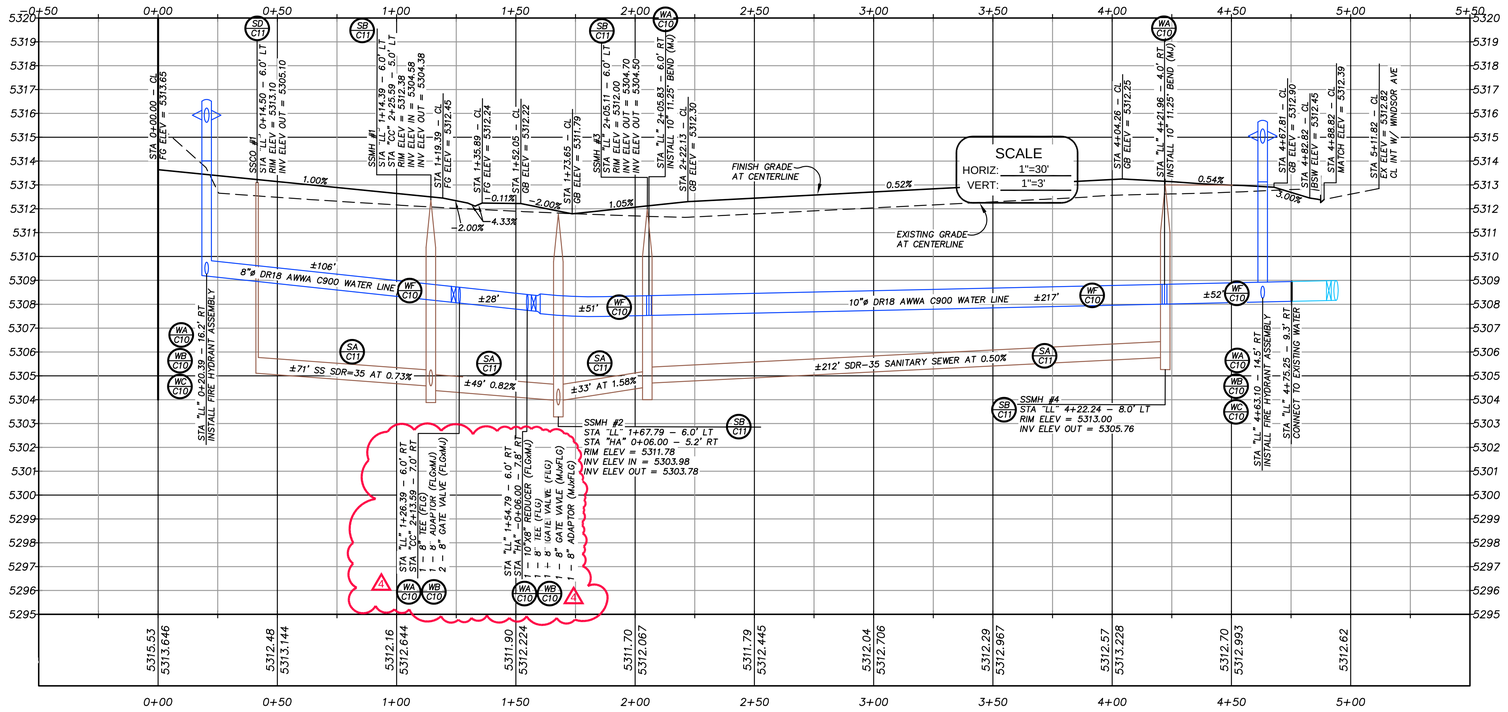
BERGERON VILLAGE PATIO HOMES AREA 1
SANITARY SEWER PLAN
ELKO, NEVADA

DESIGN BY:	LLC
DRAWN BY:	LLC
CHECKED BY:	LLC
DATE:	4-24-26
JOB NO:	10-2025
DWG NO:	2026-01

SCALE
HORIZ: 1"=30'
VERT: N/A

SHEET C5
OF 11





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. ALL METERS SHALL BE 1 INCH.
6. ALL NEW FIRE HYDRANTS WILL BE EQUIPPED WITH STORZ FITTINGS.
7. A MINIMUM OF 18" INCHES SEPARATION WILL BE ALLOWED BETWEEN WATER TAPS AS REQUIRED BY THE CITY OF ELKO UTILITIES DEPARTMENT.
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FOR REVIEW ONLY

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEVADA
DANIEL
CARTER
EXP. 12/31/26
CIVIL
No. 10962
4-24-26

30 0 30 60 90 120
SCALE: 1"=30'

REV	DATE	DESCRIPTION
1	2-7-26	CITY OF ELKO PLAN CHECK COMMENTS
2	2-7-26	ENGINEER'S CORRECTION
3	4-6-26	NDEP COMMENTS PER 4-2-26 LETTER
4	4-24-26	NDEP COMMENTS PER 4-16-26 LETTER

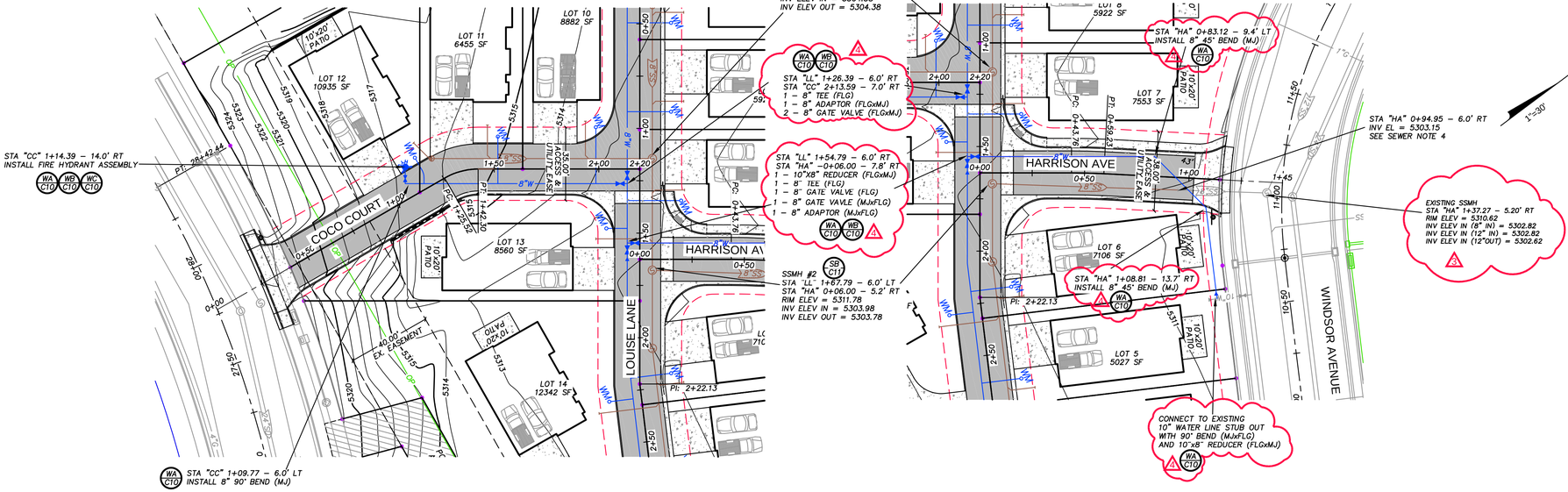
Carter Engineering, LLC
Civil Engineering
P. O. Box 794
Elko, Nevada 89803
775-397-2531

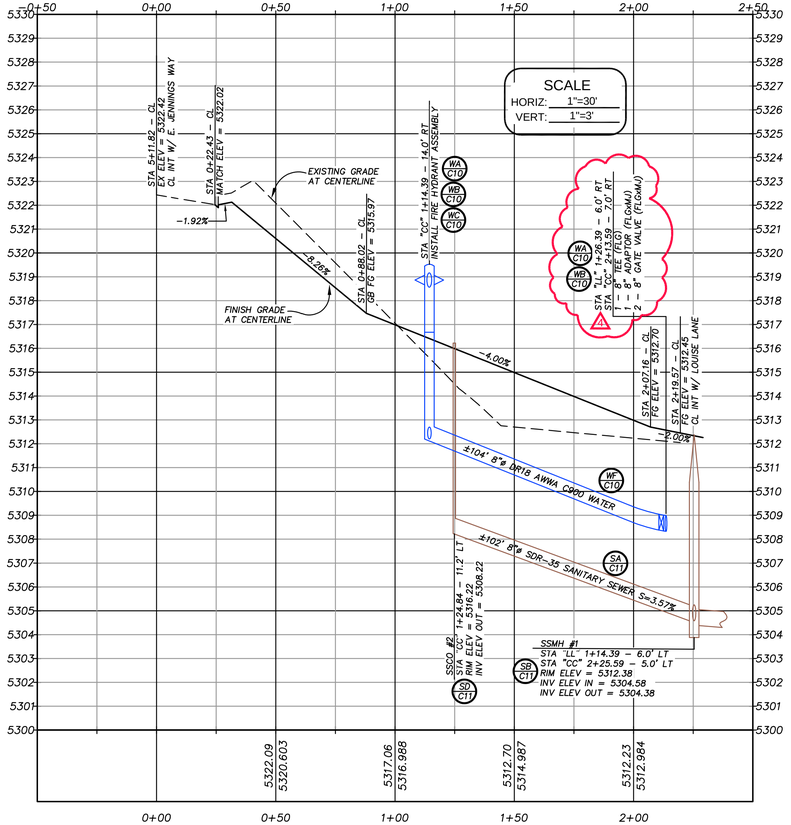
BERGERON VILLAGE PATIO HOMES AREA 1
PLAN & PROFILE - LOUISE LANE
ELKO, NEVADA

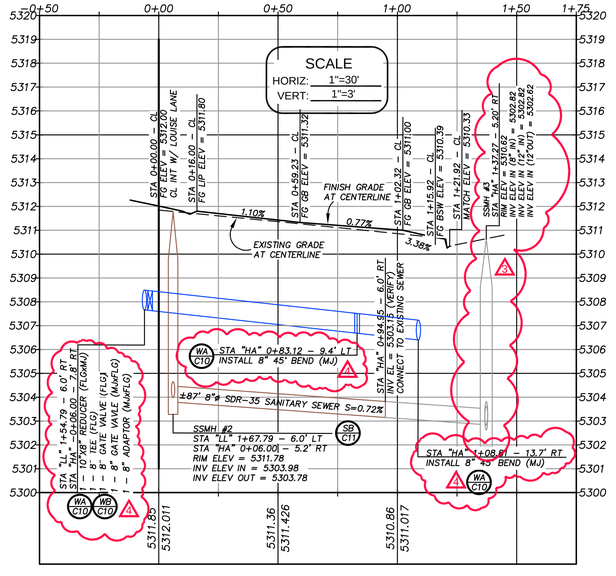
DESIGN BY:	LLC
DRAWN BY:	LLC
CHECKED BY:	LLC
DATE:	4-24-26
JOB NO:	10-2025
DWG NO:	2026-01

SCALE
HORIZ: 1"=30'
VERT: 1"=3'

SHEET C6
OF 11







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FOR REVIEW ONLY

PROFESSIONAL ENGINEER
LANA V. CARTER
EXP. 12/31/26
CIVIL
No. 10962
STATE OF NEVADA
REGISTERED
4-24-26

30 0 30 60 90 120
SCALE: 1"=30'

REV	DATE	DESCRIPTION
1	2-7-26	CITY OF ELKO PLAN CHECK COMMENTS
3	4-6-26	NDEP COMMENTS PER 4-2-26 LETTER
4	4-24-26	NDEP COMMENTS PER 4-16-26 LETTER

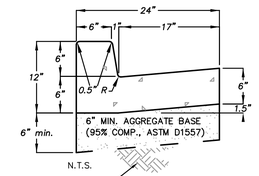
Carter Engineering, LLC
Civil Engineering
P. O. Box 794
Elko, Nevada 89803
775-397-2531

BERGERON VILLAGE PATIO HOMES
AREA 1
P & P - COCO CT & HARRISON AVE
ELKO, NEVADA

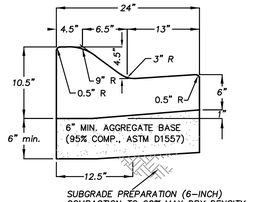
DESIGN BY:	LLC	
DRAWN BY:	LLC	
CHECKED BY:	LLC	
DATE:	4-24-26	
JOB NO:	10-2025	
DWG NO:	2026-01	

SCALE
HORIZ: 1"=30'
VERT: 1"=3'

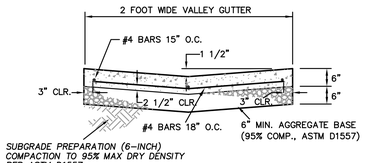
SHEET
C7
OF 11



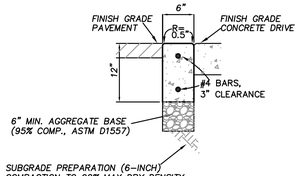
TYPE 1 CURB AND GUTTER (A)
N.T.S.



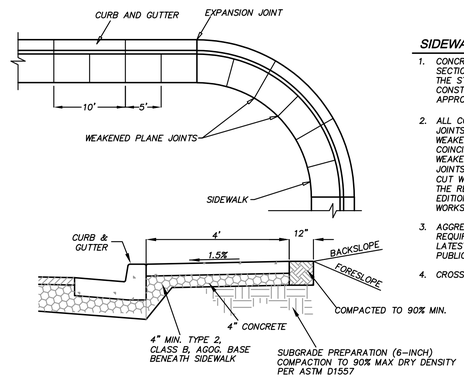
TYPE 2 CURB AND GUTTER (B)
N.T.S.



P.C.C. VALLEY GUTTER (C)
N.T.S.



BARRIER CURB (D)
N.T.S.



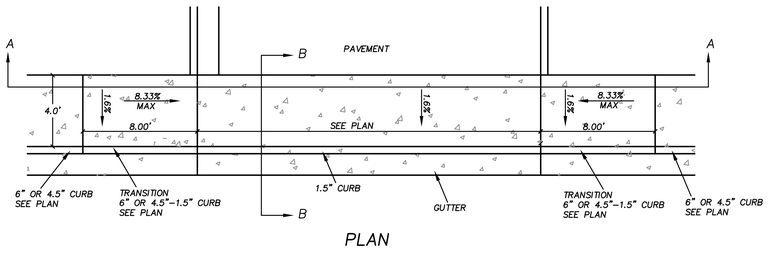
P.C.C. SIDEWALK (E)
N.T.S.

SIDEWALK NOTES:

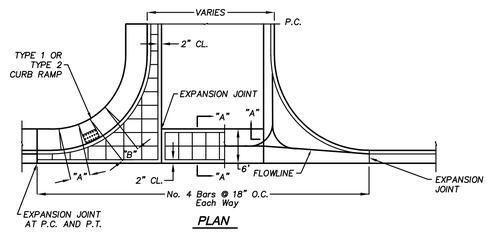
1. CONCRETE WORK SHALL MEET THE REQUIREMENTS OF SECTIONS 200, 202 AND 312 OF THE 2016 EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND SHALL BE A CITY OF ELKO APPROVED MIX DESIGN.
2. ALL CONCRETE SIDEWALK SHALL HAVE ½" EXPANSION JOINTS EVERY 30 FEET AND AT ALL CURB RETURNS. WEAKENED PLANE JOINTS SHALL BE EVERY 5 FEET AND COINCIDE WITH THE ADJACENT CURB AND GUTTER WEAKENED PLANE JOINTS. THE WEAKENED PLANE JOINTS PLACED 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%

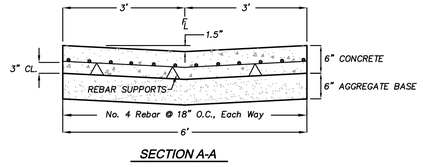
CURB AND GUTTER NOTES:

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 ½" 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. PLANTMIX BITUMINOUS SURFACE SHALL BE ¼" TO ½" ABOVE LIP OF GUTTER PAN.

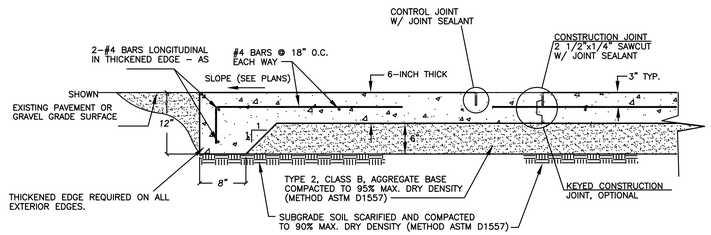


DRIVEWAY APPROACH (TYPE 2) (F)
N.T.S.





P.C.C. VALLEY GUTTER WITH APRON (G)
N.T.S.

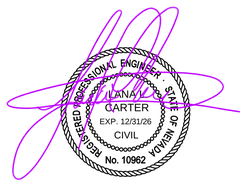


CONCRETE PAD NOTES:

1. CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 337.10 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND SHALL BE A CITY OF ELKO APPROVED MIX DESIGN.
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. REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF SECTION 206 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. JOINT SPACING AND TYPE SHALL BE PER ACI SPECIFICATIONS.
5. SAW CUT JOINTS AS SOON AFTER CONCRETE FINISH AS POSSIBLE. CLEAN JOINTS PRIOR TO PLACING JOINT SEALANT.
6. FINISH WITH A ROUGH BROOMED NON SLICK SURFACE.
7. THICKENED EDGE ON ALL EXTERIOR EDGES.

CONCRETE SECTION FOR REINFORCED PAD (H)
N.T.S.

FOR REVIEW ONLY



4-24-26

REV	DATE	DESCRIPTION
1	2-7-26	CITY OF ELKO PLAN CHECK COMMENTS

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

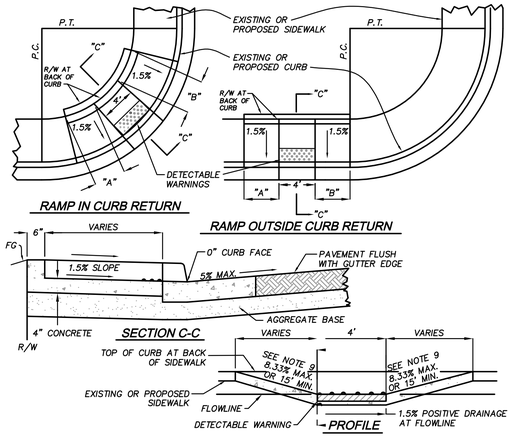
BERGERON VILLAGE PATIO HOMES AREA 1 IMPROVEMENT DETAILS

ELKO, NEVADA

DESIGN BY:	LLC
DRAWN BY:	LLC
CHECKED BY:	LLC
DATE:	4-24-26
JOB NO:	17-2020
DWG NO:	2026-01

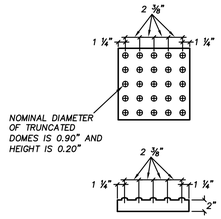
SCALE
HORIZ: N/A
VERT: N/A

SHEET
C8
OF 11



RAMP IN CURB RETURN

RAMP OUTSIDE CURB RETURN

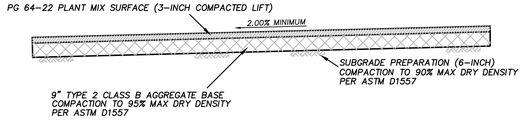


TRANSITION LENGTHS FOR 8.33% SLOPE (SEE NOTE 9)		
GRADE % (B TO A)	"A" MIN. (FT.)	"B" MIN. (FT.)
> −4.00	4.5	15.0
−4 TO −3.01	4.5	12.0
−3 TO −2.01	5.0	9.5
−2 TO −1.01	5.5	8.0
−1 TO 1	7.0	7.0
1.01 TO 2	8.0	5.5
2.01 TO 3	9.5	5.0
3.01 TO 4	12.0	4.5
> 4.00	15.0	4.5

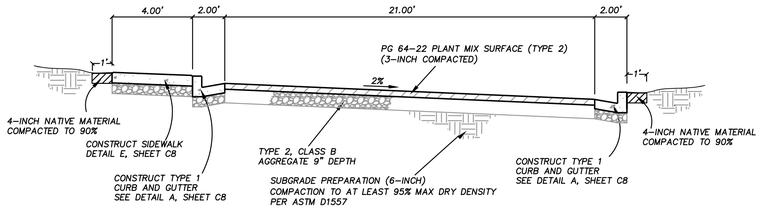
NOTES:

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. RAMPS 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 WARNINGS 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 RAMPS & DETECTABLE WARNINGS SHALL MEET THE REQUIREMENTS OF 28 CFR PART 36, ADA STANDARDS FOR ACCESSIBLE DESIGN.
9. PER THE PROWAG, SECTION R304.3.2, 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. /

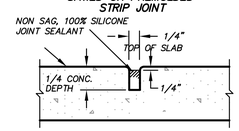


ASPHALT PAVEMENT SECTION N.T.S.
LOUISE LN, COCO CT & HARRISON AVE J

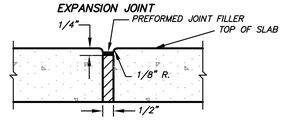


HARRISON AVENUE
N.T.S. *TYPICAL*

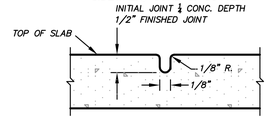
SAWED OR PREMOLDED STRIP JOINT



EXPANSION JOINT

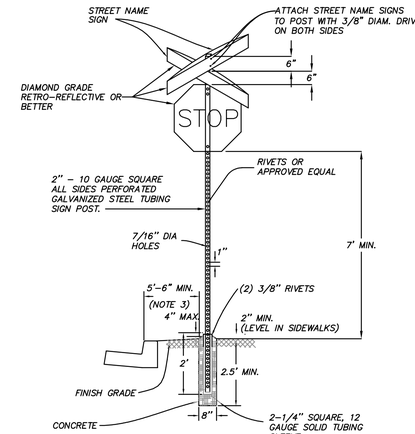


WEAKENED PLANE JOINT SIDEWALK, CURB & GUTTER



WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED TO SECTION 312.03.02.02.03.02 FOR CURB AND SECTION 312.03.02.02.03.02.01 FOR SIDEWALK WITH SPECIAL CARE IN EITHER CASE TO THE PARTED DEPTH OF 2"

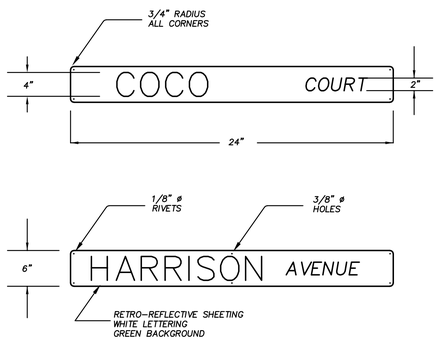
N.T.S.
P.C.C. JOINTING DETAILS



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 RETROREFLECTIVE SHEETING OR BETTER.
2. STREET NAME SIGN SHALL BE AS SPECIFIED BE 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

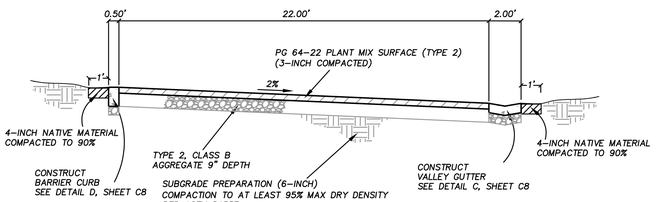


NOTES:

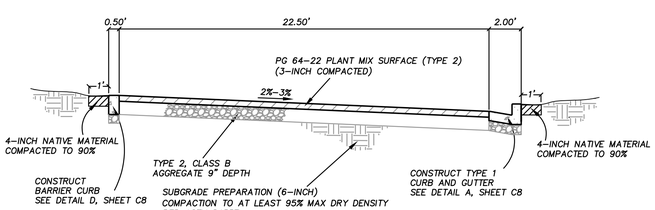
1. SIGNS SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE LATEST EDITION OF THE M.U.T.C.D.
2. SIGN PANELS SHALL BE MOUNTED ON SIGN BLANK EXTRUDED ALUMINUM NO. 6061–T6, WITH A MINIMUM THICKNESS OF 0.080".
3. MATERIALS TO BE USED FOR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

STREET NAME SIGN

STREET AND STOP SIGN K

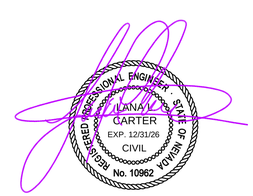


LOUISE LANE
N.T.S. *TYPICAL*



COCO COURT
N.T.S. *TYPICAL*

FOR REVIEW ONLY



4-24-26

REV	DATE	DESCRIPTION
1	2-7-26	CITY OF ELKO PLAN CHECK COMMENTS

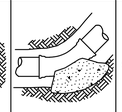
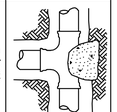
Carter Engineering, LLC
Civil Engineering
P. O. Box 794
Elko, Nevada 89803
775-397-2531

BERGERON VILLAGE PATIO HOMES
AREA 1
IMPROVEMENT DETAILS
ELKO, NEVADA

DESIGN BY:	LLC
DRAWN BY:	LLC
CHECKED BY:	LLC
DATE:	4-24-26
JOB NO:	17-2020
DWG NO:	2026-01

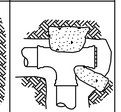
SCALE
HORIZ: N/A
VERT: N/A

SHEET C9
OF 11

Type of Fitting	90° Bend	45° Bend	11-1/4° or 22-1/2° Bend	Tee or Dead End
Typical Installation				

THRUST BLOCK BEARING AREA (SQ. FT.)

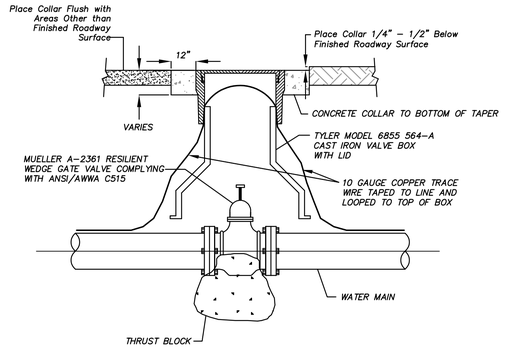
Type of Fitting		90° Bend	45° Bend	11-1/4° or 22-1/2° Bend	Tee or Dead End	Tee with Plug	Cross with Plug
Pipe	4"	2	1	1	2	2	2
	6"	4	4	2	4	4	4
	8"	7	4	2	5	7	7
	10"	12	6	3	8	12	12
	12"	16	10	5	12	16	16
	18"	45	25	13	32	45	45

Type of Fitting	Cross with Plug	Tee with Plug
Typical Installation		

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 2000 p.s.f. 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.

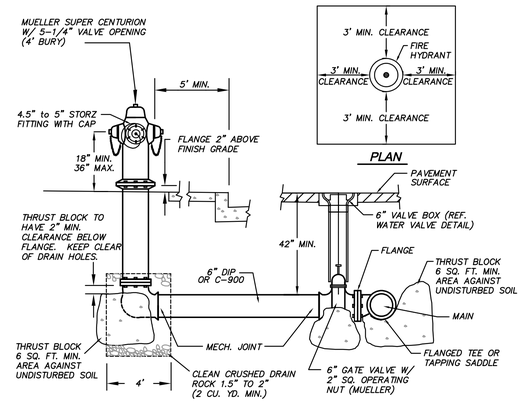
STANDARD THRUST BLOCKS (WA)
N.T.S.



NOTES:

1. CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 337.10 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.
2. VALVE COLLAR SHALL BE SET ¼" TO ½" BELOW FINISHED CONCRETE OR BITUMINOUS SURFACE. VALVE COLLARS IN ALL OTHER AREAS SHALL BE SET FLUSH WITH FINISHED GRADE, UNLESS OTHERWISE SPECIFIED.
3. CONCRETE COLLAR REQUIRED WHEN VALVE IS NOT LOCATED IN CONCRETE OR BITUMINOUS SURFACE.

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

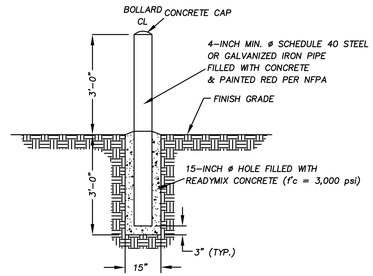


NOTES:

1. HYDRANTS SHALL BE ENAMELED RED.
2. ALL HYDRANTS SHALL HAVE (2) 2.5" PUMPER OUTLETS (MALE THREAD WITH CAP & CHAIN) AND (1) 4.5" STEAMER PUMPER OUTLET WITH 4.5" – 5" STORZ MALE CONNECT WITH CAP & CHAIN. ALL THREADS SHALL BE SPECIFIED FOR AMERICAN NATIONAL HOSE COUPLING.
3. OPERATING NUT SHALL BE 1.5" PENTAGON.
4. INSPECTION BY A CITY OF ELKO FIRE OR PUBLIC WORKS REPRESENTATIVE IS REQUIRED PRIOR TO BACKFILLING.
5. FOR FINAL ACCEPTANCE, A FLOW, FLUSH, & HYDROSTATIC TEST SHALL BE WITNESSED BY CITY OF ELKO FIRE DEPT./UTILITY DIRECTOR OR PUBLIC WORKS REPRESENTATIVE, PER FORM 13–97, "MATERIALS & TEST CERTIFICATE FOR UNDERGROUND PIPING".
6. ALL HYDRANT SHALL INCLUDE APPROVED TRAFFIC PROTECTION, 3' MINIMUM CLEARANCES, AND POSITIVE DRAINAGE AWAY FROM THE HYDRANT.

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

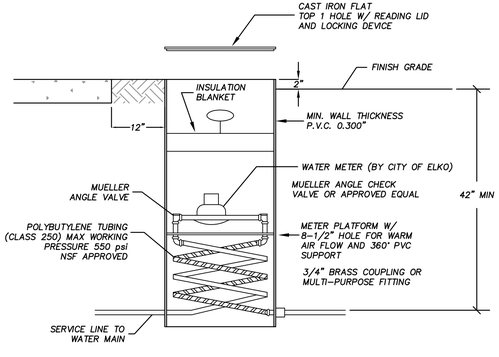
HYDRANT POST LOCATIONS



NOTES:

1. INSTALL BOLLARDS AT THE LOCATION OR SPACINGS SHOWN ON THIS DETAIL
2. PAINT BOLLARDS WITH EPOXY, VINYL OR POLYURETHANE INDUSTRIAL TYPE PAINT AFTER REMOVING ALL RUST AND SCALE FROM THE SCHEDULE 40 STEEL PIPE.

BOLLARD (GUARD POST) FOR FIRE HYDRANT PROTECTION

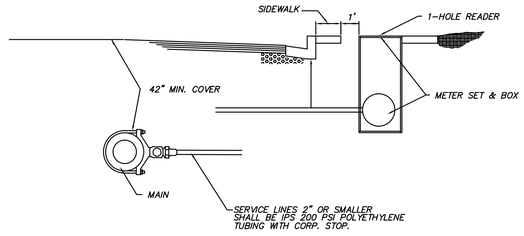


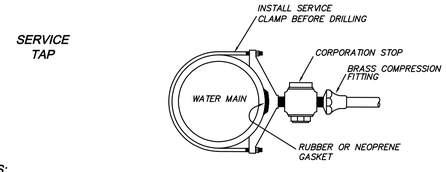
1" WATER METER BOX

NOTES:

1. 4' WATER METER BOX SHALL BE MUELLER / McCULLOUGH THERMA–COIL METER BOX.
2. NO MORE THAN ONE EXTENSION ALLOWED.
3. LOCATE WATER METER 1 FT. BEHIND BACK OF SIDEWALK.

WATER METER (WD)
N.T.S.

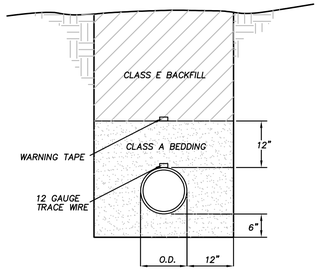




NOTES:

1. CORPORATION STOP, CURB STOP, (GATE VALVE 4" OR LARGER) AND SERVICE LINE TO BE SAME SIZE.
2. SERVICE CLAMPS SHALL BE DOUBLE STRAP FOR ALL SERVICE TAP SIZES, EXCEPT WHERE SIZE OF TAP EXCEEDS MANUFACTURER'S RECOMMENDED LIMIT FOR SIZE OF MAIN.
3. TAPS SHALL BE STAGGERED AND PLACED A MINIMUM OF 12" APART FOR DUCTILE IRON PIPE. TAPS SHALL BE STAGGERED AND PLACED A MINIMUM OF 18" APART FOR C900. NO TAPS SHALL BE CLOSER THAN 2 FEET FROM THE ENDS OF PIPE.
4. ALL JOINT FITTINGS SHALL BE OF BRASS COMPRESSION TYPE.

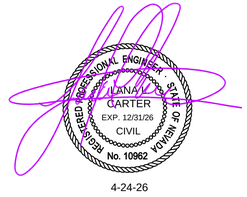
WATER SERVICE CONNECTION (WE)
N.T.S.



1. WATER DENSIFIED BACKFILL AND TUNNELING SHALL NOT BE ALLOWED.
2. BACKFILL SHALL MEET THE REQUIREMENTS FOR CLASS "E" BACKFILL WITH NO ROCKS OVER 4" COMPACTED IN 6" MAXIMUM LIFTS TO MINIMUM 90% OF MAXIMUM DRY DENSITY ASTM D1557 MODIFIED PROCTOR.
3. BEDDING MATERIAL SHALL MEET REQUIREMENTS FOR CLASS "A" BACKFILL AS SHOWN IN SUBSECTION 200.03.02 OF STANDARD SPECIFICATIONS AND COMPACTED TO AT LEAST 90% OF MAXIMUM DRY DENSITY ASTM D1557 MODIFIED PROCTOR.
4. PLACE METALLIC LOCATION TAPE (12 GAGE TRACE WIRE) 1 FOOT ABOVE WATER, SEWER AND STORM DRAIN PIPE.
5. HAUNCHING SHALL BE TO SPRING LINE OF PIPE.
6. FOR TRENCHES & EXCAVATIONS LOCATED WITHIN ROADWAY SECTION, SEE PAVEMENT PATCH DETAIL.
7. ALL TRENCHES AND EXCAVATIONS SHALL CONFORM TO THE LATEST EDITION OF O.S.H.A. AND M.U.T.C.D. REQUIREMENTS.
8. UNDERGROUND WARNING TAPE SHALL BE METALLIC AND APPROPRIATELY LABELED AND COLORED.

TRENCH DETAIL (WF)
N.T.S. FOR WATER

FOR REVIEW ONLY



4-24-26

REV	DATE	DESCRIPTION
1	4-6-26	CITY OF ELKO PLAN CHECK COMMENTS

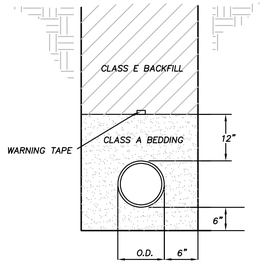
Carter Engineering, LLC
Civil Engineering
P. O. Box 794
Elko, Nevada 89803
775-397-2531

BERGERON VILLAGE PATIO HOMES
AREA 1
WATER IMPROVEMENT DETAILS
ELKO, NEVADA

DESIGN BY:	LLC
DRAWN BY:	LLC
CHECKED BY:	LLC
DATE:	4-24-26
JOB NO:	17-2020
DWG NO:	2026-01

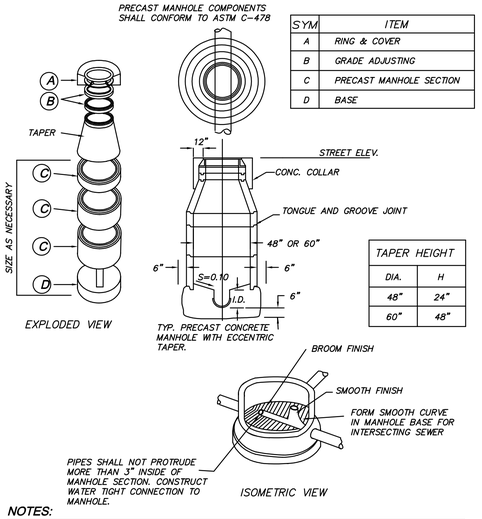
SCALE
HORIZ: N/A
VERT: N/A

SHEET
C10
OF 11



1. WATER DENSIFIED BACKFILL AND TUNNELING SHALL NOT BE ALLOWED.
2. BACKFILL SHALL MEET THE REQUIREMENTS FOR CLASS "E" BACKFILL WITH NO ROCKS OVER 4" COMPACTED IN 6" MAXIMUM LIFTS TO MINIMUM 90% OF MAXIMUM DRY DENSITY ASTM D1557 MODIFIED PROCTOR.
3. BEDDING MATERIAL SHALL MEET REQUIREMENTS FOR CLASS "A" BACKFILL AS SHOWN IN SUBSECTION 200.03.02 OF STANDARD SPECIFICATIONS AND COMPACTED TO AT LEAST 90% OF MAXIMUM DRY DENSITY ASTM D1557 MODIFIED PROCTOR.
4. PLACE METALLIC LOCATION TAPE (12 GAGE TRACE WIRE) 1 FOOT ABOVE WATER, SEWER AND STORM DRAIN PIPE.
5. HAUNCHING SHALL BE TO SPRING LINE OF PIPE.
6. FOR TRENCHES & EXCAVATIONS LOCATED WITHIN ROADWAY SECTION, SEE PAVEMENT PATCH DETAIL.
7. ALL TRENCHES AND EXCAVATIONS SHALL CONFORM TO THE LATEST EDITION OF O.S.H.A. AND M.U.T.C.D. REQUIREMENTS.
8. UNDERGROUND WARNING TAPE SHALL BE METALLIC AND APPROPRIATELY LABELED AND COLORED.

TRENCH DETAIL
N.T.S. FOR SANITARY SEWER — SA

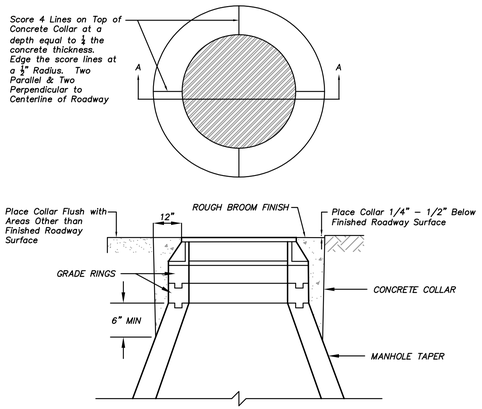


SYM	ITEM
A	RING & COVER
B	GRADE ADJUSTING
C	PRECAST MANHOLE SECTION
D	BASE

TAPER HEIGHT	
DIA.	H
48"	24"
60"	48"

NOTES:

1. PIPE SECTION LENGTHS ARRANGED TO FIT DEPTH.
2. PRECAST BASE MAY BE USED IF APPROVED BY GOVERNING AGENCY.
3. MANHOLE STEPS ARE NOT REQUIRED.
4. REFER TO DETAIL SHEET (MANHOLE – GENERAL NOTES) FOR ADDITIONAL INFORMATION.



SECTION A-A

NOTES:

1. CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 337.10 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. MANHOLE COLLAR SHALL BE SET ½" TO ¾" BELOW FINISHED CONCRETE OR BITUMINOUS SURFACE. MANHOLE COLLARS IN ALL OTHER AREAS SHALL BE SET FLUSH WITH FINISHED GRADE, UNLESS OTHERWISE SPECIFIED.
3. CONCRETE COLLAR IS REQUIRED WHEN MANHOLE IS NOT LOCATED IN CONCRETE OR BITUMINOUS SURFACE.
4. REFER TO DETAIL SHEET (MANHOLE – GENERAL NOTES) FOR ADDITIONAL INFORMATION.

TYPE 1 MANHOLE
N.T.S. FOR SANITARY SEWER — SB

MANHOLES - GENERAL NOTES:

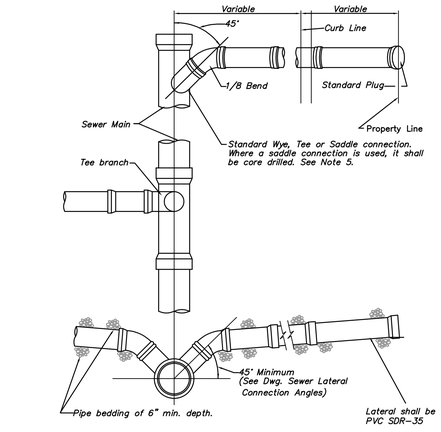
1. ALL MANHOLES SHALL MEET THE REQUIREMENTS OF SECTION 204 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. MANHOLE COVERS SHALL BE IDENTIFIED AS STORM DRAIN, WATER OR SEWER CLEARLY DISPLAYED ON THE COVER.
3. ALL TRENCHES AND EXCAVATIONS SHALL CONFORM WITH THE LATEST EDITION OF THE O.S.H.A. REQUIREMENTS.
4. PRECAST MANHOLE SECTIONS, OTHER THAN GRADE RINGS, SHALL BE JOINED WITH FLEXIBLE PLASTIC GASKET MATERIAL SUCH AS "RAM–NEK" OR EQUAL AS PER MANUFACTURER'S RECOMMENDATIONS.
5. TYPE & SIZE OF MANHOLE TO BE CONSTRUCTED IN A PARTICULAR LOCATION SHALL BE DETERMINED BY THE PIPE SIZE, ALIGNMENT AND GRADE AS FOLLOWS:

   TYPE 1A & 1B

   48" SIZE
   - A. ALL CASES FOR PIPE 18" AND SMALLER.
   - B. 24" AND SMALLER PIPE ON TANGENT LINE & GRADE.

   60" SIZE
   - A. 27" THROUGH 36" PIPE ON TANGENT LINE AND GRADE.
   - B. 21" THROUGH 27" PIPE AT ANGLE POINTS AND CHANGES IN GRADE OR PIPE SIZE.

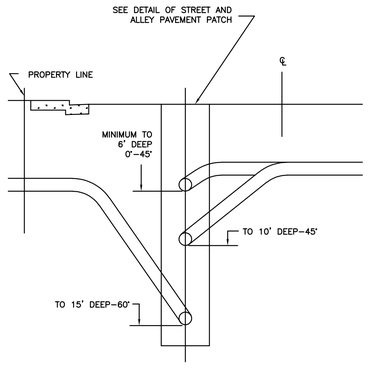
6. EXCAVATABLE SLURRY BACKFILL MAY BE USED AS STRUCTURAL BACKFILL FOR MANHOLES AND MUST MEET THE REQUIREMENTS OF SECTIONS 305.16 & 337.08 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
7. THE TOTAL HEIGHT OF MANHOLE GRADE RINGS SHALL NOT EXCEED 12 INCHES.
8. MANHOLE ACCESS DIAMETER SHALL BE 24" MINIMUM.



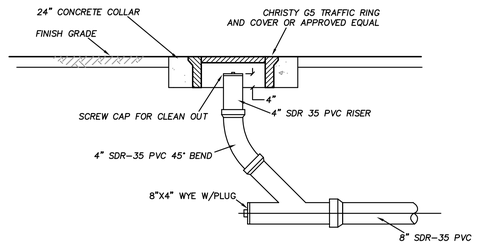
NOTES:

1. IN NO CASE SHALL A LATERAL CONNECT TO THE SEWER MAIN DIRECTLY ON TOP OR MATCH THE FLOWLINE OF THE PIPE.
2. SEWER LATERALS SHALL HAVE A MINIMUM SLOPE OF 2%.
3. ALL JOINTS ON SEWER LATERAL PIPE WITHIN THE RIGHT–OF–WAY SHALL BE COMPRESSION TYPE.
4. LATERAL SHALL EXTEND TO PROPERTY LINE UNLESS OTHERWISE SHOWN ON PLANS.
5. SADDLE CONNECTION SHALL BE PVC SADDLE WITH STAINLESS STEEL STRAPS.
6. ANY ABANDONED SEWER LATERAL IS THE RESPONSIBILITY OF THE CUSTOMER AND SHALL BE CUT AND CAPPED OR PLUGGED WITHIN 6 INCHES OF THE SEWER MAIN AND SUBJECT TO THE CITY OF ELKO'S APPROVAL.
7. SEWER MAIN/LATERAL CONNECTIONS SHALL MEET THE REQUIREMENTS OF NAC 445A.

SEWER LATERAL CONNECTION
N.T.S. — SC



LATERAL CONNECTION ANGLES



CLEANOUT
N.T.S. FOR SANITARY SEWER — SD

FOR REVIEW ONLY

4-24-26

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Civil Engineering
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Elko, Nevada 89803
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ELKO, NEVADA

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HORIZ: N/A
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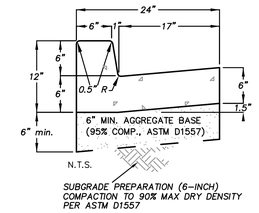
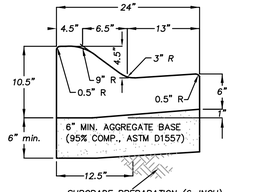
SHEET C11
OF 11



TYPE 1 CURB AND GUTTER (A)
N.T.S.



TYPE 2 CURB AND GUTTER (B)
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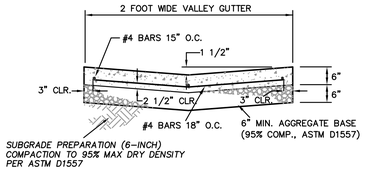
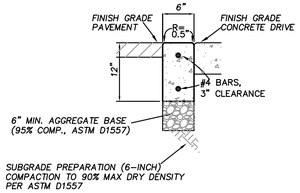
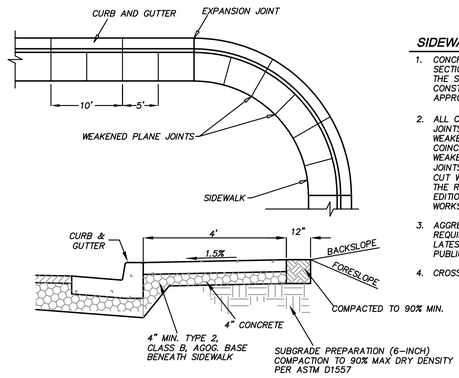


P.C.C. VALLEY GUTTER (C)
N.T.S.



BARRIER CURB (D)
N.T.S.



P.C.C. SIDEWALK (E)
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 ½" EXPANSION JOINTS EVERY 30 FEET AND AT ALL CURB RETURNS. WEAKENED PLANE JOINTS SHALL BE EVERY 5 FEET AND COINCIDE WITH THE ADJACENT CURB AND GUTTER WEAKENED PLANE JOINTS. THE WEAKENED PLANE JOINTS PLACED 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%

CURB AND GUTTER NOTES:

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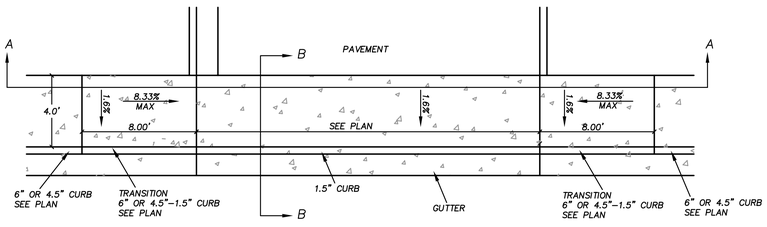
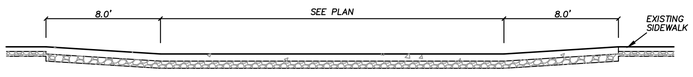
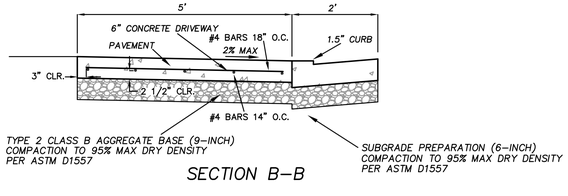
3. AGGREGATE BASE MATERIAL SHALL MEET THE REQUIREMENTS OF SECTION 200 AND 308 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
4. PLANTMIX BITUMINOUS SURFACE SHALL BE ¼" TO ½" ABOVE LIP OF GUTTER PAN.



PLAN

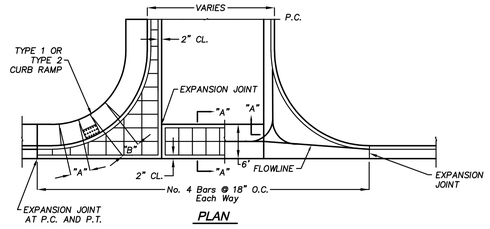


SECTION A–A

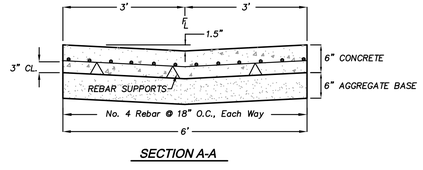


SECTION B–B

DRIVEWAY APPROACH (TYPE 2) (F)
N.T.S.

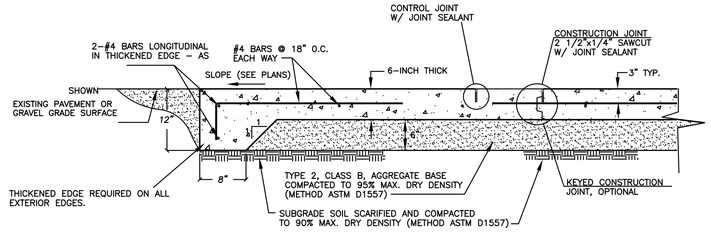


PLAN



SECTION A-A

P.C.C. VALLEY GUTTER WITH APRON (G)
N.T.S.



CONCRETE PAD NOTES:

1. CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 337.10 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND SHALL BE A CITY OF ELKO APPROVED MIX DESIGN.
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. REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF SECTION 206 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. JOINT SPACING AND TYPE SHALL BE PER ACI SPECIFICATIONS.
5. SAW CUT JOINTS AS SOON AFTER CONCRETE FINISH AS POSSIBLE. CLEAN JOINTS PRIOR TO PLACING JOINT SEALANT.
6. FINISH WITH A ROUGH BROOMED NON SLICK SURFACE.
7. THICKENED EDGE ON ALL EXTERIOR EDGES.

CONCRETE SECTION FOR REINFORCED PAD (H)
N.T.S.

FOR REVIEW ONLY

REV	DATE	DESCRIPTION
1	2-7-26	CITY OF ELKO PLAN CHECK COMMENTS

Carter Engineering, LLC
Civil Engineering
P. O. Box 794
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BERGERON VILLAGE PATIO HOMES AREA 1
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SCALE
HORIZ: N/A
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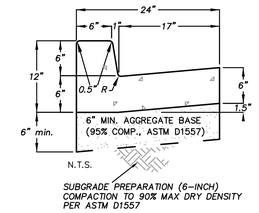
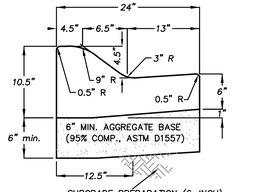
SHEET
C8
OF 11



TYPE 1 CURB AND GUTTER (A)
N.T.S.



TYPE 2 CURB AND GUTTER (B)
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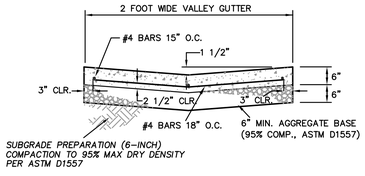

P.C.C. VALLEY GUTTER (C)
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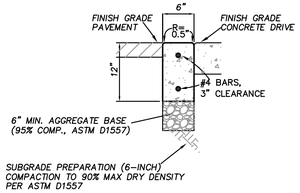

BARRIER CURB (D)
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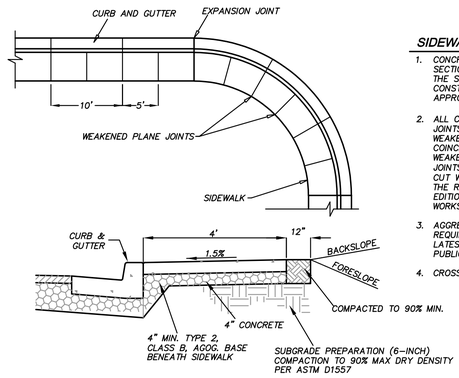

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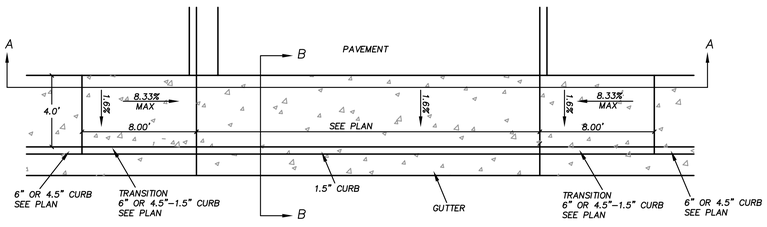
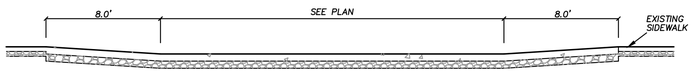
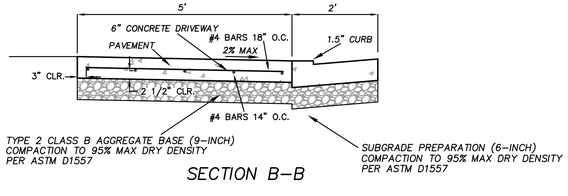


PLAN



SECTION A–A



SECTION B–B

DRIVEWAY APPROACH (TYPE 2) (F)
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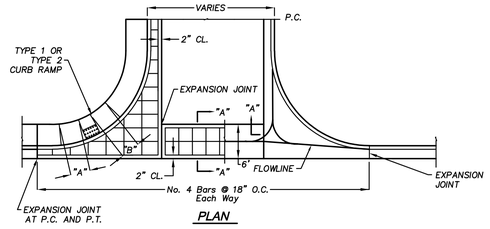
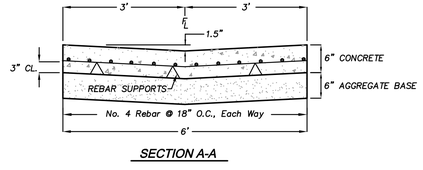
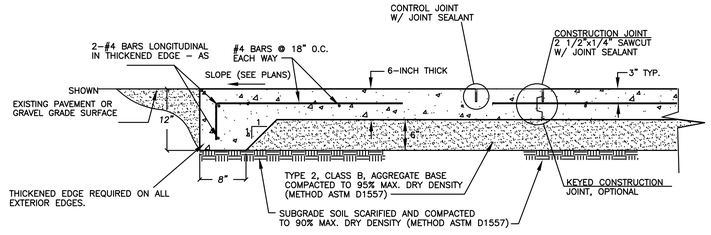


PLAN



SECTION A-A

P.C.C. VALLEY GUTTER WITH APRON (G)
N.T.S.



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4. JOINT SPACING AND TYPE SHALL BE PER ACI SPECIFICATIONS.
5. SAW CUT JOINTS AS SOON AFTER CONCRETE FINISH AS POSSIBLE. CLEAN JOINTS PRIOR TO PLACING JOINT SEALANT.
6. FINISH WITH A ROUGH BROOMED NON SLICK SURFACE.
7. THICKENED EDGE ON ALL EXTERIOR EDGES.

CONCRETE SECTION FOR REINFORCED PAD (H)
N.T.S.

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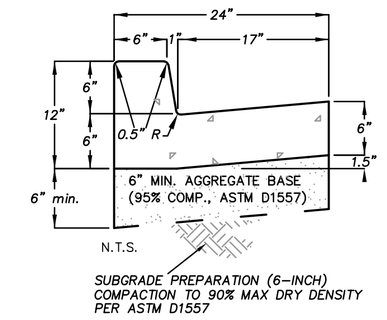
IMPROVEMENT DETAILS
ELKO, NEVADA

DESIGN BY:	LLC
DRAWN BY:	LLC
CHECKED BY:	LLC
DATE:	4-24-26
JOB NO:	17-2020
DWG NO:	2026-01

SCALE
HORIZ: N/A
VERT: N/A

SHEET
C8
OF 11



TYPE 1 CURB AND GUTTER (A)
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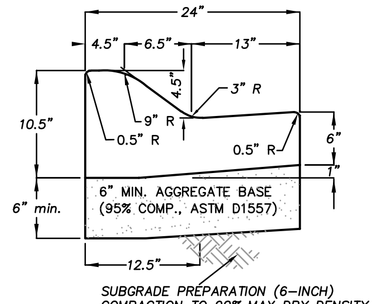

TYPE 2 CURB AND GUTTER (B)
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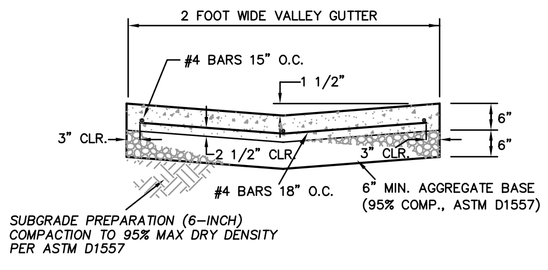
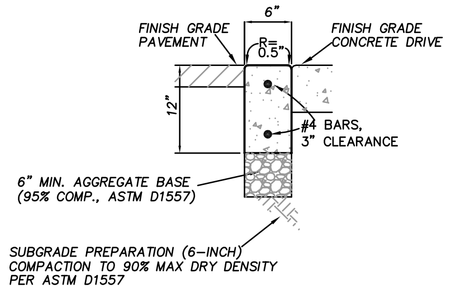


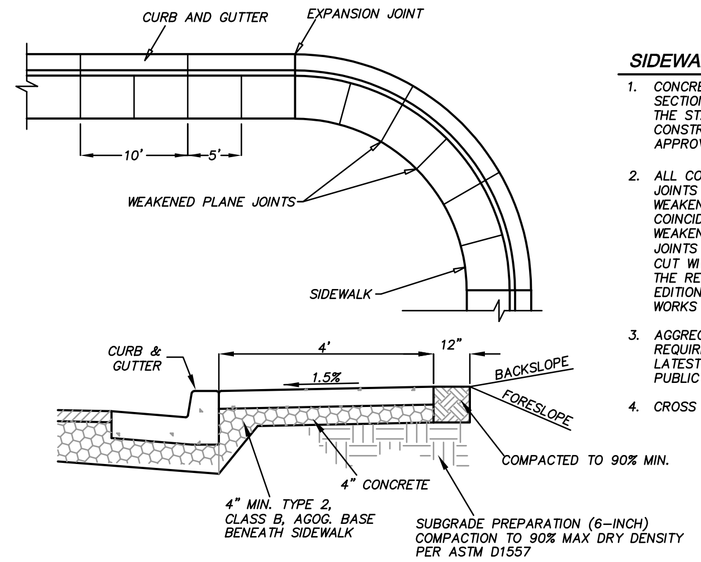
P.C.C. VALLEY GUTTER (C)
N.T.S.



BARRIER CURB (D)
N.T.S.

CURB AND GUTTER NOTES:

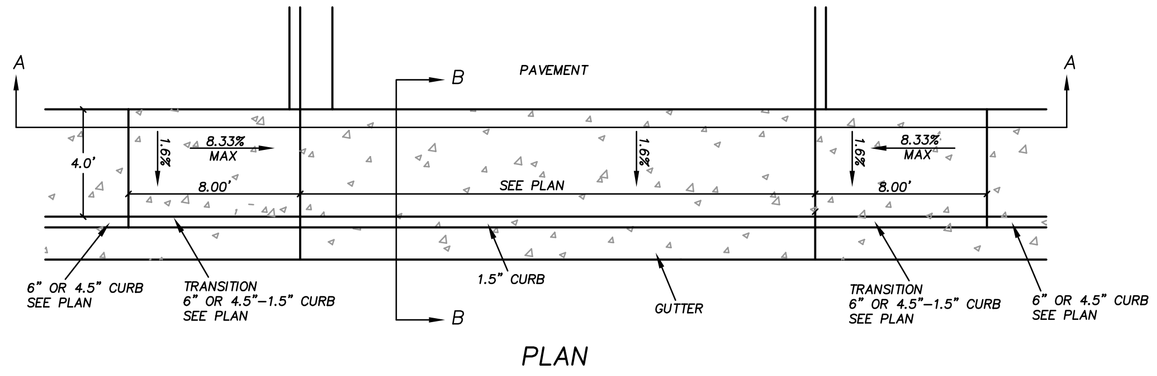
1. CONCRETE WORK SHALL MEET THE REQUIREMENTS OF SECTIONS 200, 202 AND 312 OF THE 2016 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND SHALL BE A CITY OF ELKO APPROVED MIX DESIGN.
2. ALL CONCRETE CURB AND GUTTER SHALL HAVE ½" EXPANSION JOINTS EVERY 90 FEET AND AT ALL CURB RETURNS. WEAKENED 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. PLANTMIX BITUMINOUS SURFACE SHALL BE ¼" TO ½" ABOVE LIP OF GUTTER PAN.



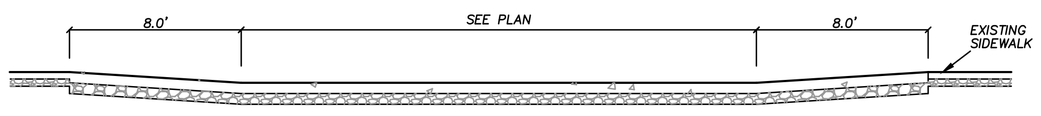
P.C.C. SIDEWALK (E)
N.T.S.

SIDEWALK NOTES:

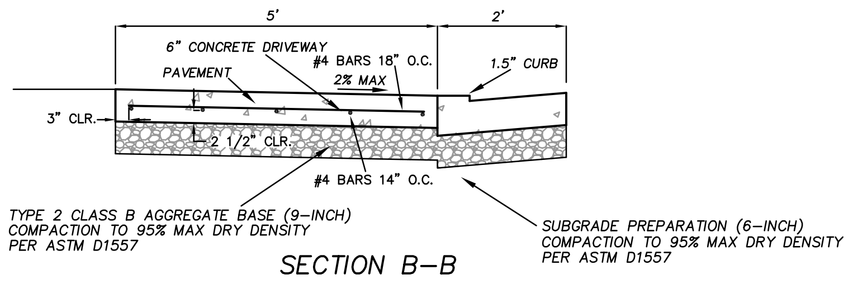
1. CONCRETE WORK SHALL MEET THE REQUIREMENTS OF SECTIONS 200, 202 AND 312 OF THE 2016 EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND SHALL BE A CITY OF ELKO APPROVED MIX DESIGN.
2. ALL CONCRETE SIDEWALK SHALL HAVE ½" EXPANSION JOINTS EVERY 30 FEET AND AT ALL CURB RETURNS. WEAKENED PLANE JOINTS SHALL BE EVERY 5 FEET AND COINCIDE WITH THE ADJACENT CURB AND GUTTER WEAKENED PLANE JOINTS. THE WEAKENED PLANE JOINTS PLACED 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%



PLAN

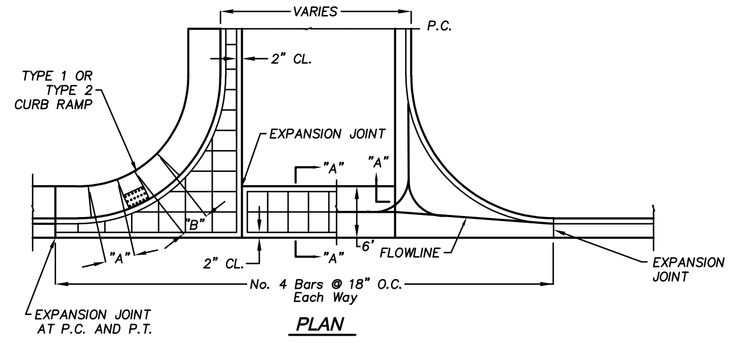


SECTION A–A

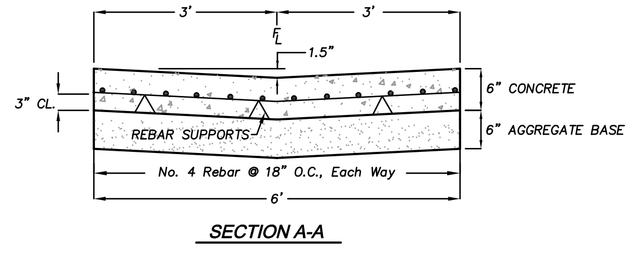


SECTION B–B

DRIVEWAY APPROACH (TYPE 2) (F)
N.T.S.

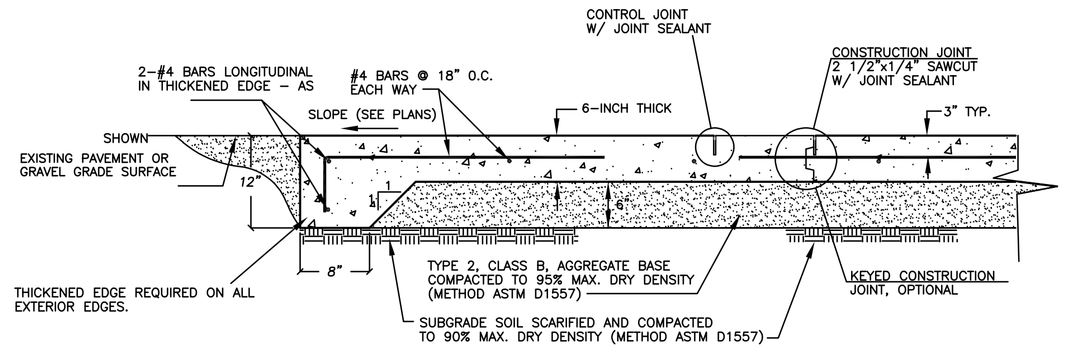


PLAN



SECTION A-A

P.C.C. VALLEY GUTTER WITH APRON (G)
N.T.S.



CONCRETE PAD NOTES:

1. CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 337.10 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND SHALL BE A CITY OF ELKO APPROVED MIX DESIGN.
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. REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF SECTION 206 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. JOINT SPACING AND TYPE SHALL BE PER ACI SPECIFICATIONS.
5. SAW CUT JOINTS AS SOON AFTER CONCRETE FINISH AS POSSIBLE. CLEAN JOINTS PRIOR TO PLACING JOINT SEALANT.
6. FINISH WITH A ROUGH BROOMED NON SLICK SURFACE.
7. THICKENED EDGE ON ALL EXTERIOR EDGES.

CONCRETE SECTION FOR REINFORCED PAD (H)
N.T.S.

FOR REVIEW ONLY

REV	DATE	DESCRIPTION
1	2-7-26	CITY OF ELKO PLAN CHECK COMMENTS

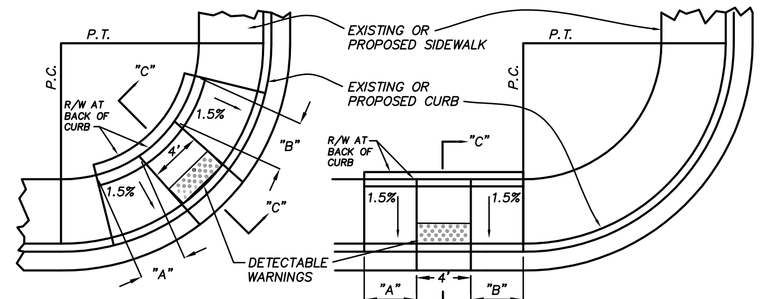
Carter Engineering, LLC
Civil Engineering
P. O. Box 794
Elko, Nevada 89803
775-397-2531

BERGERON VILLAGE PATIO HOMES AREA 1
IMPROVEMENT DETAILS
ELKO, NEVADA

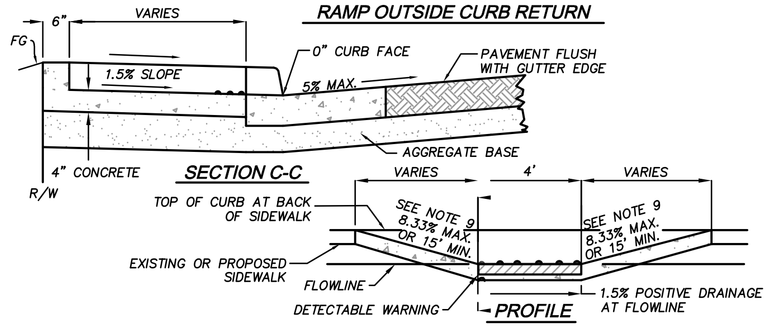
DESIGN BY:	LLC
DRAWN BY:	LLC
CHECKED BY:	LLC
DATE:	4-24-26
JOB NO:	17-2020
DWG NO:	2026-01

SCALE
HORIZ: N/A
VERT: N/A

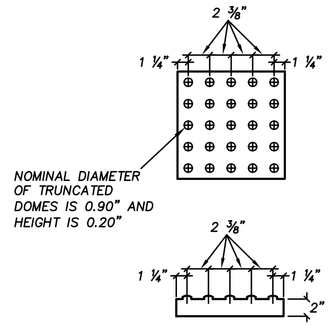
SHEET
C8
OF 11



RAMP IN CURB RETURN



RAMP OUTSIDE CURB RETURN

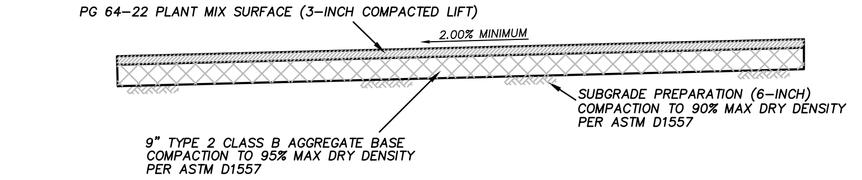


TRANSITION LENGTHS FOR 8.33% SLOPE (SEE NOTE 9)		
GRADE % (B TO A)	"A" MIN. (FT.)	"B" MIN. (FT.)
> −4.00	4.5	15.0
−4 TO −3.01	4.5	12.0
−3 TO −2.01	5.0	9.5
−2 TO −1.01	5.5	8.0
−1 TO 1	7.0	7.0
1.01 TO 2	8.0	5.5
2.01 TO 3	9.5	5.0
3.01 TO 4	12.0	4.5
> 4.00	15.0	4.5

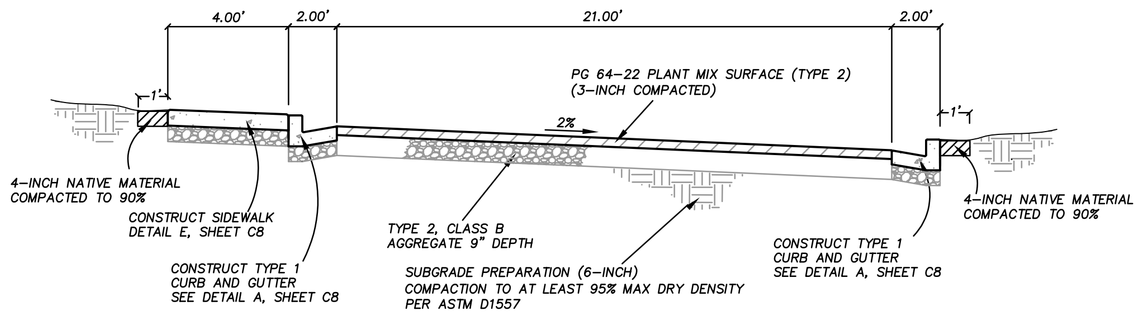
NOTES:

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. RAMPS 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 WARNINGS 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 RAMPS & DETECTABLE WARNINGS SHALL MEET THE REQUIREMENTS OF 28 CFR PART 36, ADA STANDARDS FOR ACCESSIBLE DESIGN.
9. PER THE PROWAG, SECTION R304.3.2, 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%.

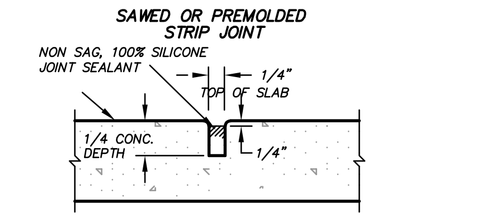
CURB RAMP
N.T.S. (I)

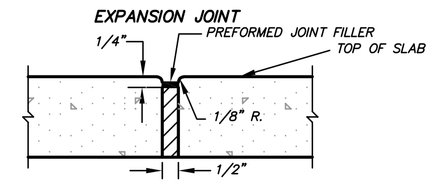


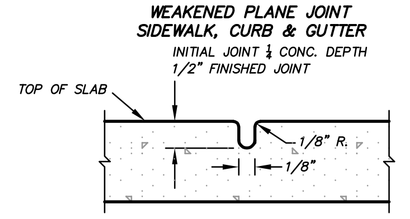
ASPHALT PAVEMENT SECTION N.T.S. (J)
LOUISE LN, COCO CT & HARRISON AVE



HARRISON AVENUE
N.T.S. *TYPICAL*

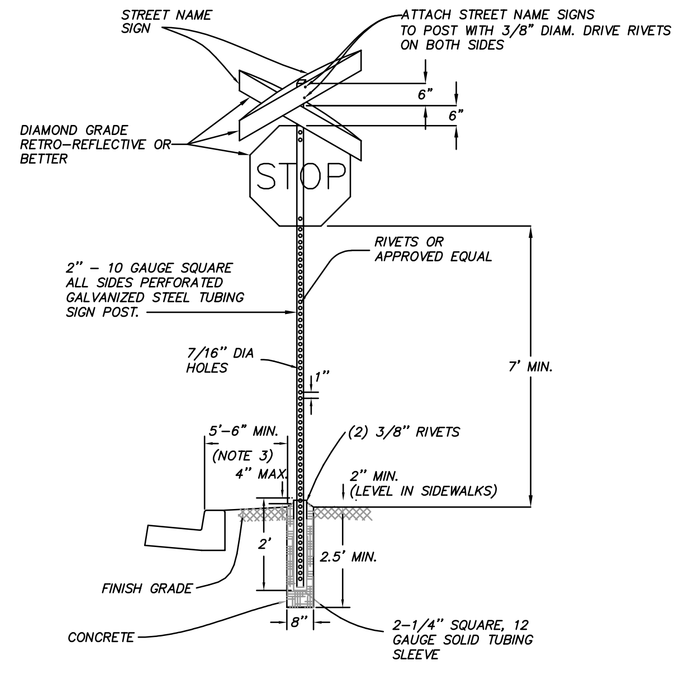






WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED TO SECTION 312.03.02.02.03.02 FOR CURB AND SECTION 312.03.02.02.03.02.01 FOR SIDEWALK WITH SPECIAL CARE IN EITHER CASE TO THE PARTED DEPTH OF 2".

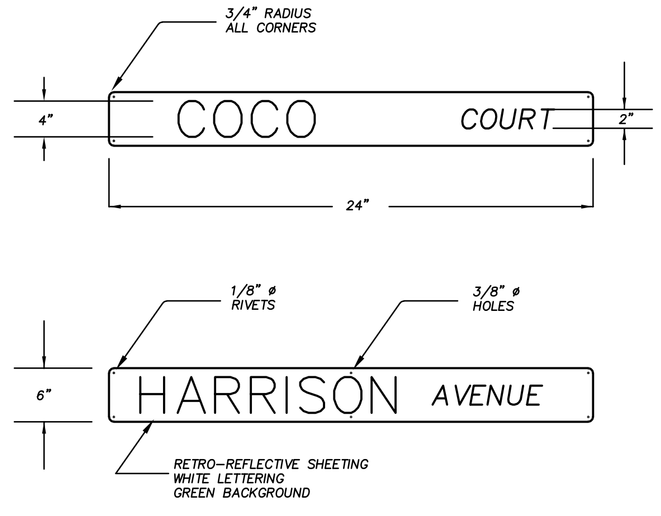
N.T.S.
P.C.C. JOINTING DETAILS



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 RETROREFLECTIVE SHEETING OR BETTER.
2. STREET NAME SIGN SHALL BE AS SPECIFIED BE 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

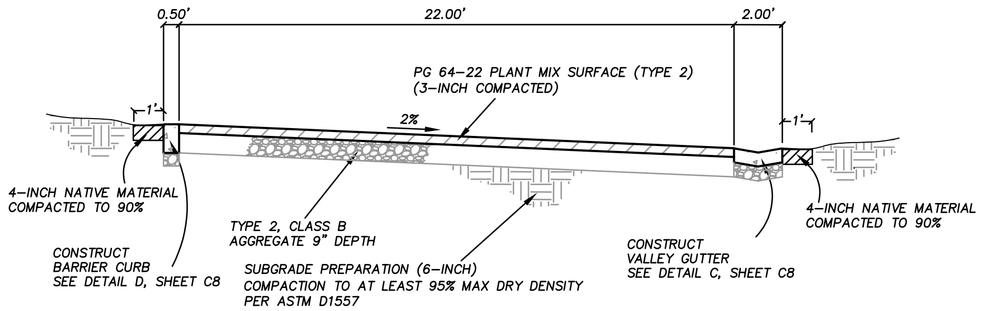


NOTES:

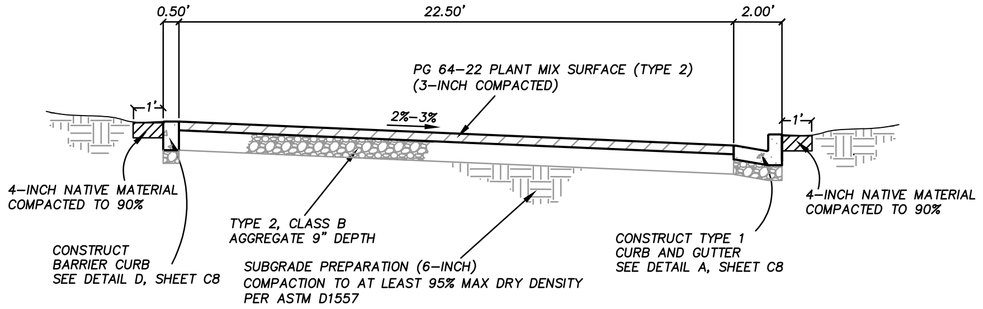
1. SIGNS SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE LATEST EDITION OF THE M.U.T.C.D.
2. SIGN PANELS SHALL BE MOUNTED ON SIGN BLANK EXTRUDED ALUMINUM NO. 6061–T6, WITH A MINIMUM THICKNESS OF 0.080".
3. MATERIALS TO BE USED FOR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

STREET NAME SIGN

STREET AND STOP SIGN (K)



LOUISE LANE
N.T.S. *TYPICAL*



COCO COURT
N.T.S. *TYPICAL*

FOR REVIEW ONLY

REV	DATE	DESCRIPTION
1	2-7-26	CITY OF ELKO PLAN CHECK COMMENTS

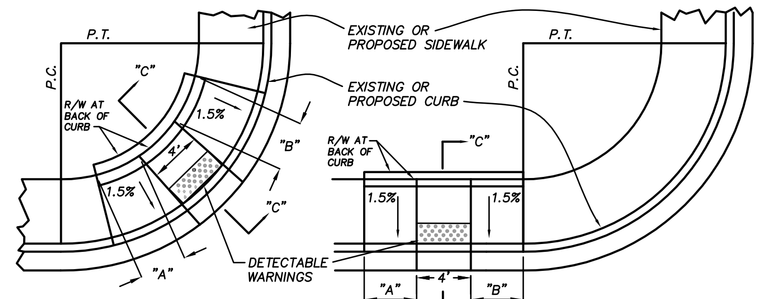
Carter Engineering, LLC
Civil Engineering
P. O. Box 794
Elko, Nevada 89803
775-397-2531

BERGERON VILLAGE PATIO HOMES
AREA 1
IMPROVEMENT DETAILS
ELKO, NEVADA

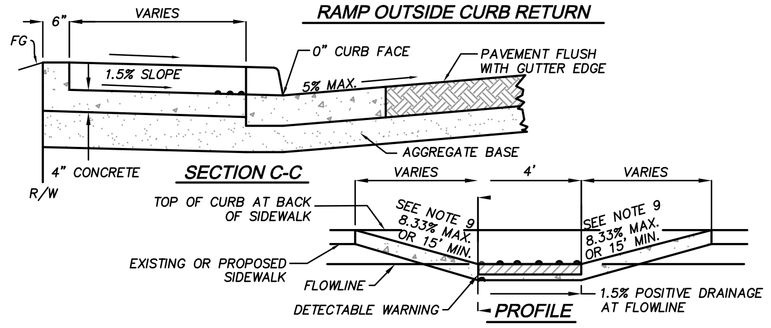
DESIGN BY:	LLC
DRAWN BY:	LLC
CHECKED BY:	LLC
DATE:	4-24-26
JOB NO:	17-2020
DWG NO:	2026-01

SCALE
HORIZ: N/A
VERT: N/A

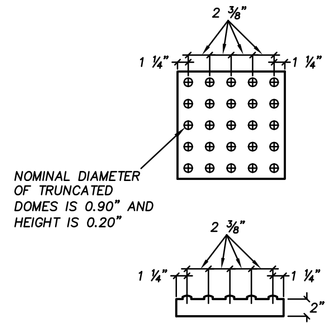
SHEET C9
OF 11



RAMP IN CURB RETURN



RAMP OUTSIDE CURB RETURN

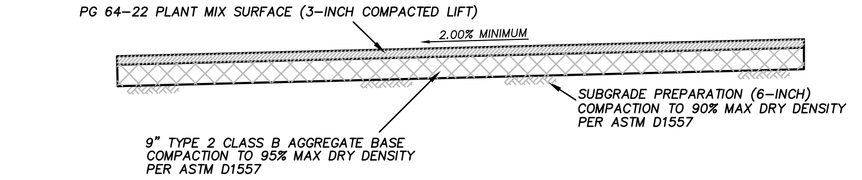


TRANSITION LENGTHS FOR 8.33% SLOPE (SEE NOTE 9)		
GRADE % (B TO A)	"A" MIN. (FT.)	"B" MIN. (FT.)
> −4.00	4.5	15.0
−4 TO −3.01	4.5	12.0
−3 TO −2.01	5.0	9.5
−2 TO −1.01	5.5	8.0
−1 TO 1	7.0	7.0
1.01 TO 2	8.0	5.5
2.01 TO 3	9.5	5.0
3.01 TO 4	12.0	4.5
> 4.00	15.0	4.5

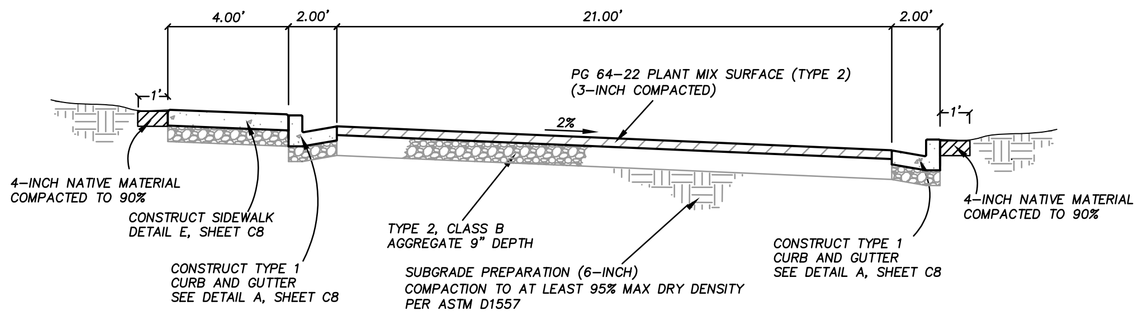
NOTES:

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. RAMPS 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 WARNINGS 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 RAMPS & DETECTABLE WARNINGS SHALL MEET THE REQUIREMENTS OF 28 CFR PART 36, ADA STANDARDS FOR ACCESSIBLE DESIGN.
9. PER THE PROWAG, SECTION R304.3.2, 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%.

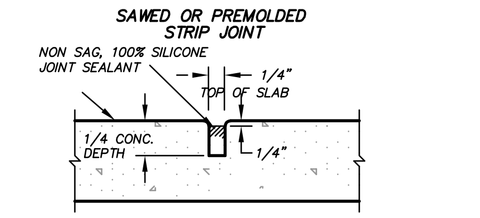
CURB RAMP
N.T.S. (I)

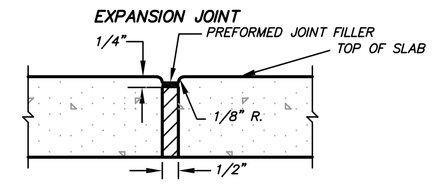


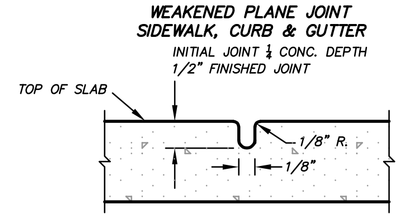
ASPHALT PAVEMENT SECTION N.T.S. (J)
LOUISE LN, COCO CT & HARRISON AVE



HARRISON AVENUE
N.T.S. *TYPICAL*

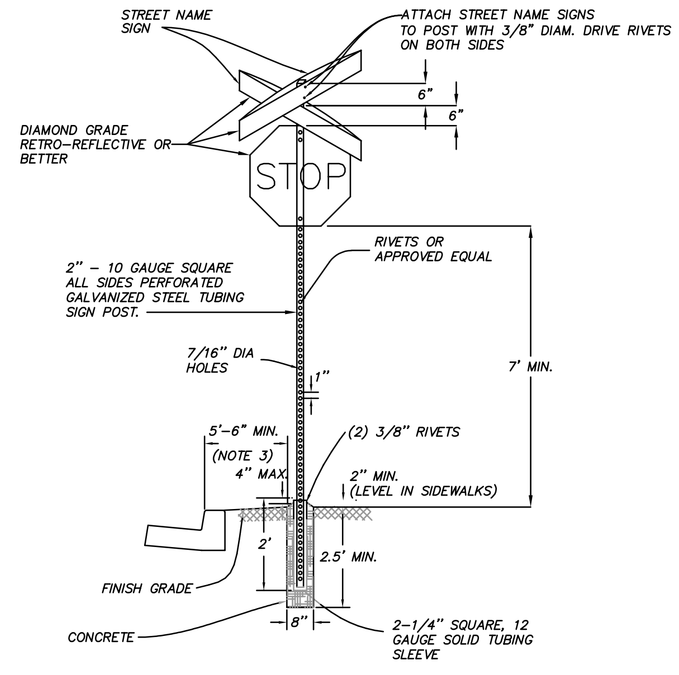






WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED TO SECTION 312.03.02.02.03.02 FOR CURB AND SECTION 312.03.02.02.03.02.01 FOR SIDEWALK WITH SPECIAL CARE IN EITHER CASE TO THE PARTED DEPTH OF 2".

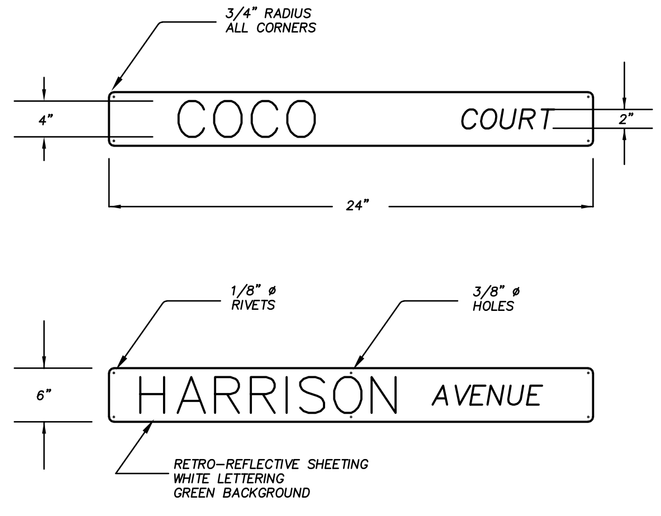
N.T.S.
P.C.C. JOINTING DETAILS



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 RETROREFLECTIVE SHEETING OR BETTER.
2. STREET NAME SIGN SHALL BE AS SPECIFIED BE 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

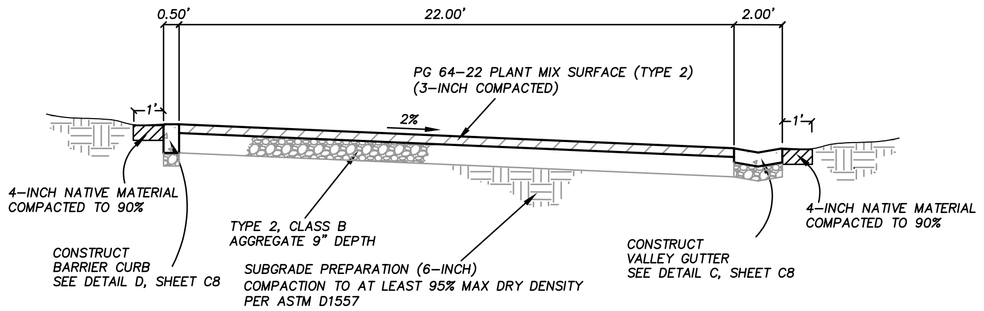


NOTES:

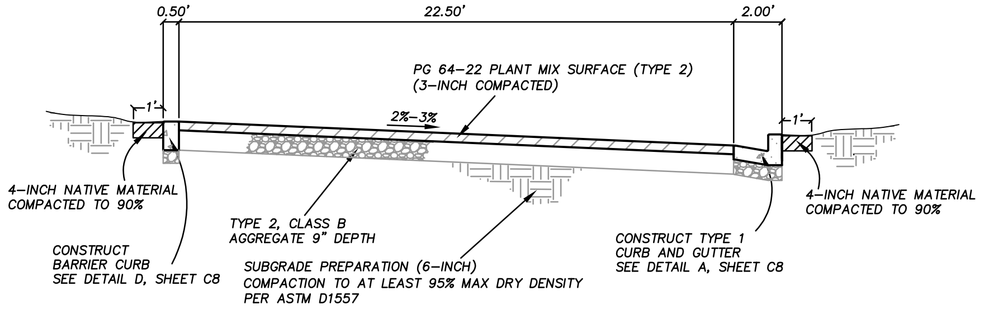
1. SIGNS SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE LATEST EDITION OF THE M.U.T.C.D.
2. SIGN PANELS SHALL BE MOUNTED ON SIGN BLANK EXTRUDED ALUMINUM NO. 6061–T6, WITH A MINIMUM THICKNESS OF 0.080".
3. MATERIALS TO BE USED FOR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

STREET NAME SIGN

STREET AND STOP SIGN (K)



LOUISE LANE
N.T.S. *TYPICAL*



COCO COURT
N.T.S. *TYPICAL*

FOR REVIEW ONLY

REV	DATE	DESCRIPTION
1	2-7-26	CITY OF ELKO PLAN CHECK COMMENTS

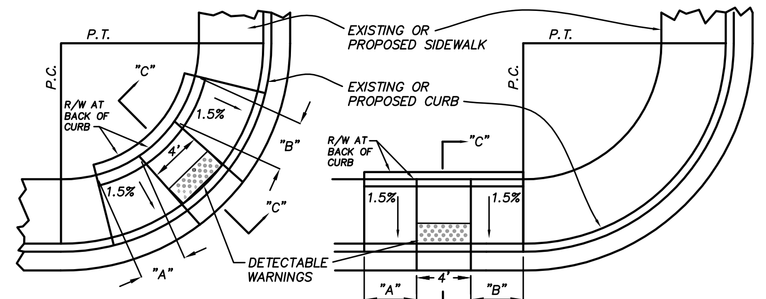
Carter Engineering, LLC
Civil Engineering
P. O. Box 794
Elko, Nevada 89803
775-397-2531

BERGERON VILLAGE PATIO HOMES
AREA 1
IMPROVEMENT DETAILS
ELKO, NEVADA

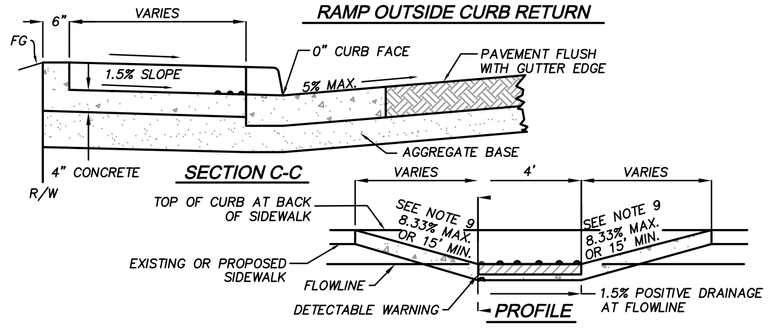
DESIGN BY:	LLC
DRAWN BY:	LLC
CHECKED BY:	LLC
DATE:	4-24-26
JOB NO:	17-2020
DWG NO:	2026-01

SCALE
HORIZ: N/A
VERT: N/A

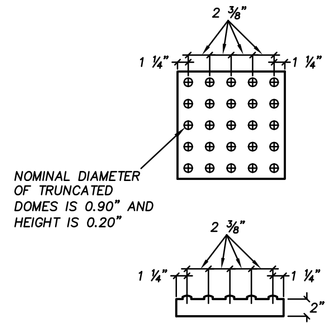
SHEET C9
OF 11



RAMP IN CURB RETURN



RAMP OUTSIDE CURB RETURN

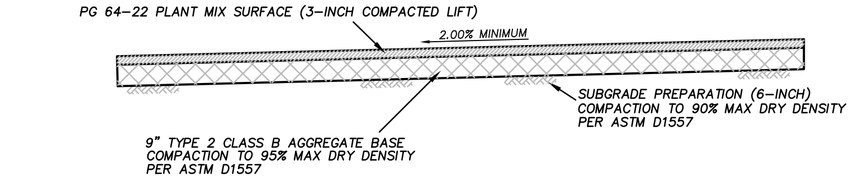


TRANSITION LENGTHS FOR 8.33% SLOPE (SEE NOTE 9)		
GRADE % (B TO A)	"A" MIN. (FT.)	"B" MIN. (FT.)
> −4.00	4.5	15.0
−4 TO −3.01	4.5	12.0
−3 TO −2.01	5.0	9.5
−2 TO −1.01	5.5	8.0
−1 TO 1	7.0	7.0
1.01 TO 2	8.0	5.5
2.01 TO 3	9.5	5.0
3.01 TO 4	12.0	4.5
> 4.00	15.0	4.5

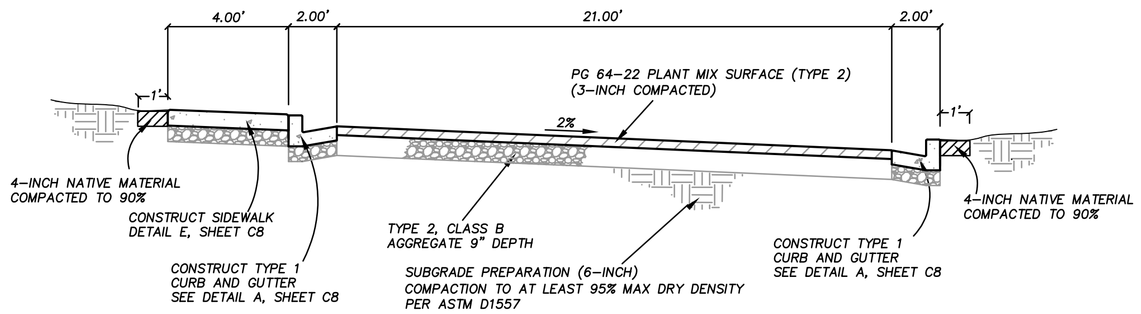
NOTES:

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. RAMPS 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 WARNINGS 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 RAMPS & DETECTABLE WARNINGS SHALL MEET THE REQUIREMENTS OF 28 CFR PART 36, ADA STANDARDS FOR ACCESSIBLE DESIGN.
9. PER THE PROWAG, SECTION R304.3.2, 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%.

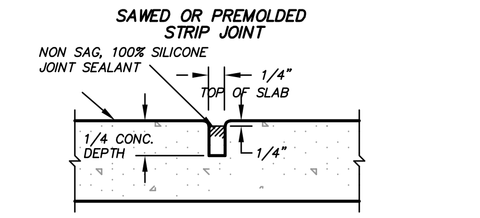
CURB RAMP
N.T.S. (I)

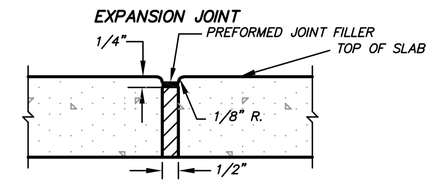


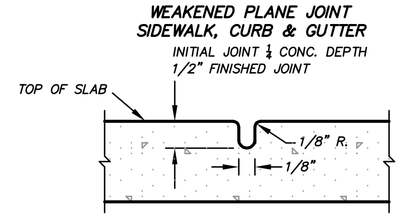
ASPHALT PAVEMENT SECTION N.T.S. (J)
LOUISE LN, COCO CT & HARRISON AVE



HARRISON AVENUE
N.T.S. *TYPICAL*

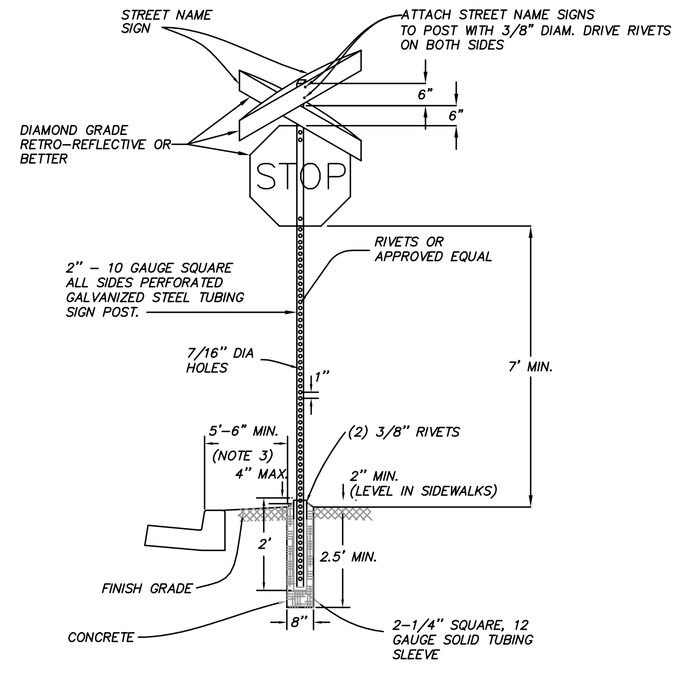






WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED TO SECTION 312.03.02.02.03.02 FOR CURB AND SECTION 312.03.02.02.03.02.01 FOR SIDEWALK WITH SPECIAL CARE IN EITHER CASE TO THE PARTED DEPTH OF 2".

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



NOTES:

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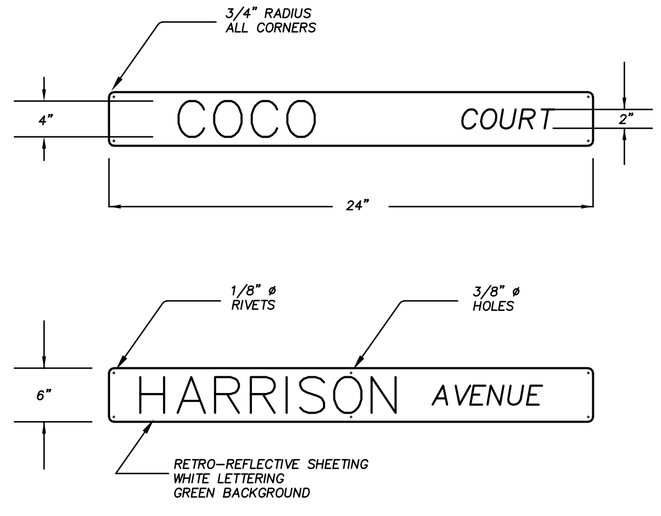
2. STREET NAME SIGN SHALL BE AS SPECIFIED BE THE GOVERNING AGENCY AND MOUNTED WITH VANDAL – PROOF HARDWARE.
3. ON STREETS WHERE CURBING DOES NOT EXIST, SET EDGE OF SIGN 6' MINIMUM FROM PAVEMENT EDGE.
4. EACH SIGN SHALL CONSIST OF TWO PLATES RIVETED TOGETHER.

TYPE 2 STREET SIGN

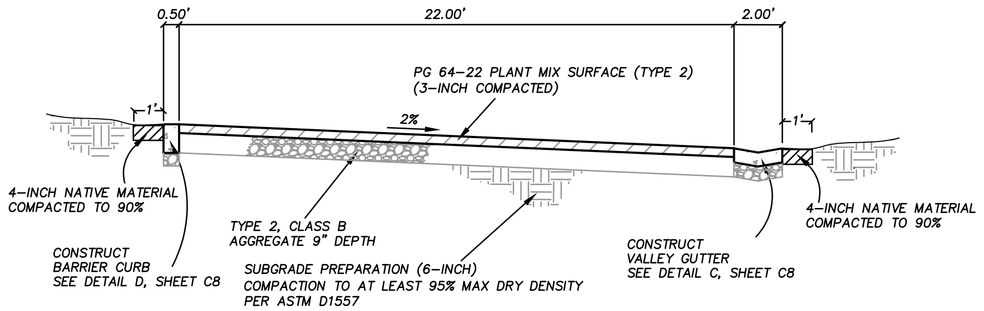


NOTES:

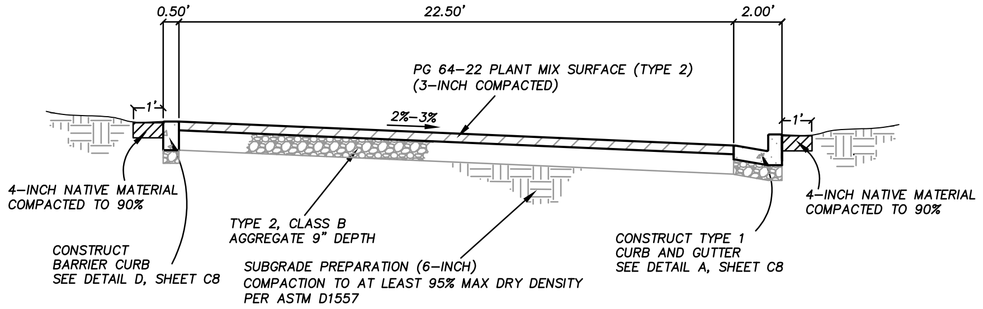
1. SIGNS SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE LATEST EDITION OF THE M.U.T.C.D.
2. SIGN PANELS SHALL BE MOUNTED ON SIGN BLANK EXTRUDED ALUMINUM NO. 6061–T6, WITH A MINIMUM THICKNESS OF 0.080".
3. MATERIALS TO BE USED FOR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

STREET NAME SIGN

STREET AND STOP SIGN (K)



LOUISE LANE
N.T.S. *TYPICAL*



COCO COURT
N.T.S. *TYPICAL*

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Civil Engineering
P. O. Box 794
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BERGERON VILLAGE PATIO HOMES
AREA 1
IMPROVEMENT DETAILS
ELKO, NEVADA

DESIGN BY:	LLC
DRAWN BY:	LLC
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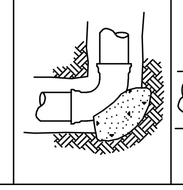
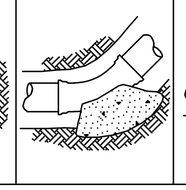
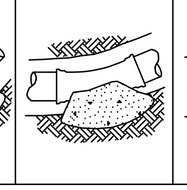
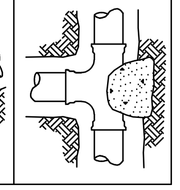
DATE:	4-24-26
JOB NO:	17-2020
DWG NO:	2026-01

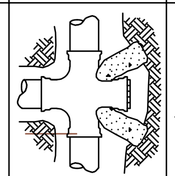
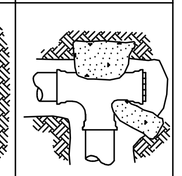
SCALE
HORIZ: N/A
VERT: N/A

SHEET C9
OF 11

Type of Fitting	90° Bend	45° Bend	11-1/4° or 22-1/2° Bend	Tee or Dead End
Typical Installation				

THRUST BLOCK BEARING AREA (SQ. FT.)

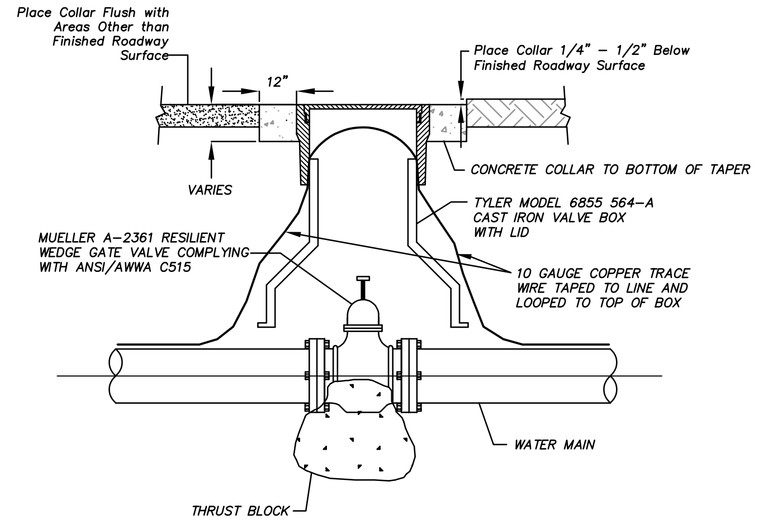
Type of Fitting		90° Bend	45° Bend	11-1/4° or 22-1/2° Bend	Tee or Dead End	Tee with Plug	Cross with Plug
Pipe		2	1	1	2	2	2
	6"	4	4	2	4	4	4
	8"	7	4	2	5	7	7
	10"	12	6	3	8	12	12
	12"	16	10	5	12	16	16
	18"	45	25	13	32	45	45

Type of Fitting	Cross with Plug	Tee with Plug
Typical Installation		

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 2000 p.s.f. 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.

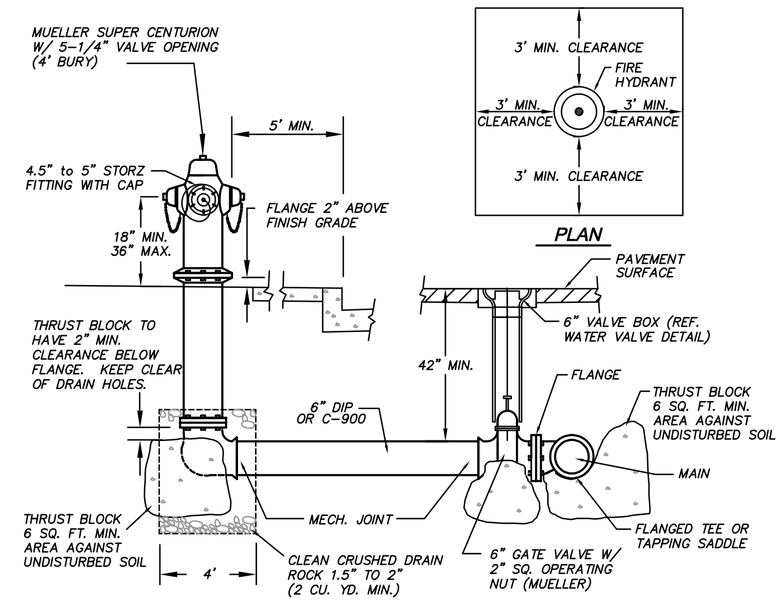
STANDARD THRUST BLOCKS (WA)
N.T.S.



NOTES:

1. CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 337.10 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.
2. VALVE COLLAR SHALL BE SET ¼" TO ½" BELOW FINISHED CONCRETE OR BITUMINOUS SURFACE. VALVE COLLARS IN ALL OTHER AREAS SHALL BE SET FLUSH WITH FINISHED GRADE, UNLESS OTHERWISE SPECIFIED.
3. CONCRETE COLLAR REQUIRED WHEN VALVE IS NOT LOCATED IN CONCRETE OR BITUMINOUS SURFACE.

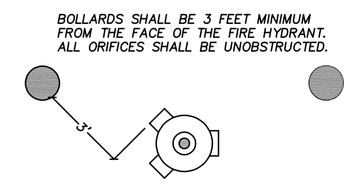
VALVE AND BOX (WB)
N.T.S.



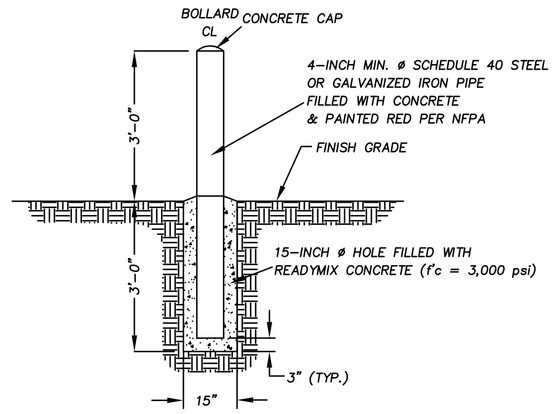
NOTES: **ELEVATION**

1. HYDRANTS SHALL BE ENAMELED RED.
2. ALL HYDRANTS SHALL HAVE (2) 2.5" PUMPER OUTLETS (MALE THREAD WITH CAP & CHAIN) AND (1) 4.5" STEAMER PUMPER OUTLET WITH 4.5" – 5" STORZ MALE CONNECT WITH CAP & CHAIN. ALL THREADS SHALL BE SPECIFIED FOR AMERICAN NATIONAL HOSE COUPLING.
3. OPERATING NUT SHALL BE 1.5" PENTAGON.
4. INSPECTION BY A CITY OF ELKO FIRE OR PUBLIC WORKS REPRESENTATIVE IS REQUIRED PRIOR TO BACKFILLING.
5. FOR FINAL ACCEPTANCE, A FLOW, FLUSH, & HYDROSTATIC TEST SHALL BE WITNESSED BY CITY OF ELKO FIRE DEPT./UTILITY DIRECTOR OR PUBLIC WORKS REPRESENTATIVE, PER FORM 13–97, "MATERIALS & TEST CERTIFICATE FOR UNDERGROUND PIPING".
6. ALL HYDRANT SHALL INCLUDE APPROVED TRAFFIC PROTECTION, 3' MINIMUM CLEARANCES, AND POSITIVE DRAINAGE AWAY FROM THE HYDRANT.

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



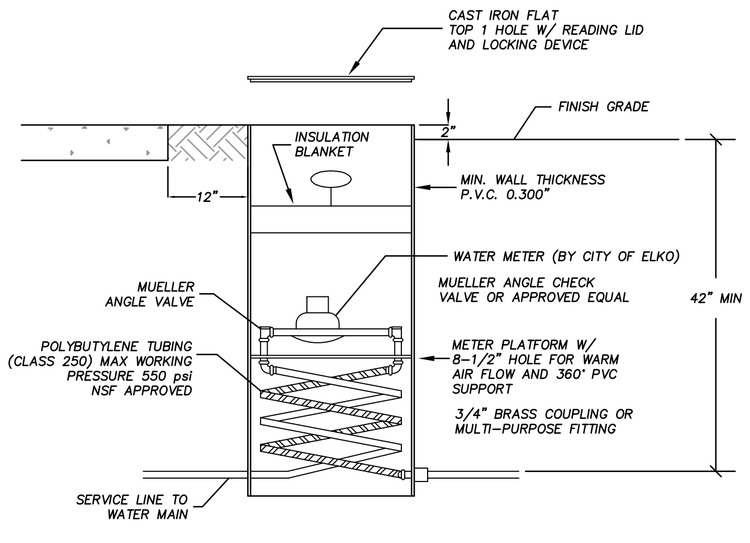
HYDRANT POST LOCATIONS



NOTES:

1. INSTALL BOLLARDS AT THE LOCATION OR SPACINGS SHOWN ON THIS DETAIL
2. PAINT BOLLARDS WITH EPOXY, VINYL OR POLYURETHANE INDUSTRIAL TYPE PAINT AFTER REMOVING ALL RUST AND SCALE FROM THE SCHEDULE 40 STEEL PIPE.

BOLLARD (GUARD POST) FOR FIRE HYDRANT PROTECTION

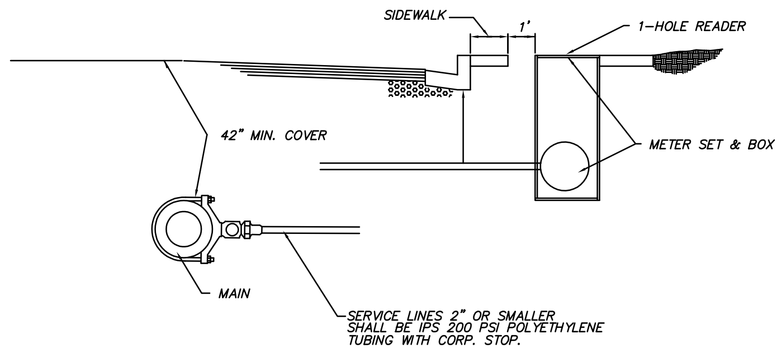


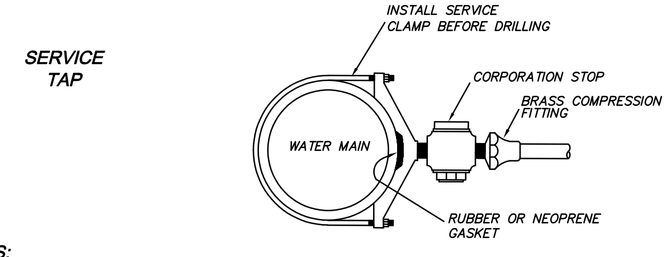
1" WATER METER BOX

NOTES:

1. 4' WATER METER BOX SHALL BE MUELLER / McCULLOUGH THERMA–COIL METER BOX.
2. NO MORE THAN ONE EXTENSION ALLOWED.
3. LOCATE WATER METER 1 FT. BEHIND BACK OF SIDEWALK.

WATER METER (WD)
N.T.S.

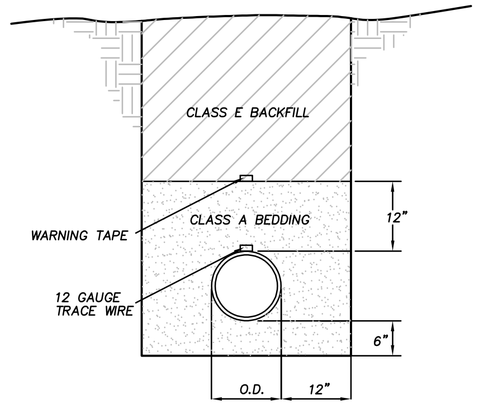




NOTES:

1. CORPORATION STOP, CURB STOP, (GATE VALVE 4" OR LARGER) AND SERVICE LINE TO BE SAME SIZE.
2. SERVICE CLAMPS SHALL BE DOUBLE STRAP FOR ALL SERVICE TAP SIZES, EXCEPT WHERE SIZE OF TAP EXCEEDS MANUFACTURER'S RECOMMENDED LIMIT FOR SIZE OF MAIN.
3. TAPS SHALL BE STAGGERED AND PLACED A MINIMUM OF 12" APART FOR DUCTILE IRON PIPE. TAPS SHALL BE STAGGERED AND PLACED A MINIMUM OF 18" APART FOR C900. NO TAPS SHALL BE CLOSER THAN 2 FEET FROM THE ENDS OF PIPE.
4. ALL JOINT FITTINGS SHALL BE OF BRASS COMPRESSION TYPE.

WATER SERVICE CONNECTION (WE)
N.T.S.



1. WATER DENSIFIED BACKFILL AND TUNNELING SHALL NOT BE ALLOWED.
2. BACKFILL SHALL MEET THE REQUIREMENTS FOR CLASS "E" BACKFILL WITH NO ROCKS OVER 4" COMPACTED IN 6" MAXIMUM LIFTS TO MINIMUM 90% OF MAXIMUM DRY DENSITY ASTM D1557 MODIFIED PROCTOR.
3. BEDDING MATERIAL SHALL MEET REQUIREMENTS FOR CLASS "A" BACKFILL AS SHOWN IN SUBSECTION 200.03.02 OF STANDARD SPECIFICATIONS AND COMPACTED TO AT LEAST 90% OF MAXIMUM DRY DENSITY ASTM D1557 MODIFIED PROCTOR.
4. PLACE METALLIC LOCATION TAPE (12 GAGE TRACE WIRE) 1 FOOT ABOVE WATER, SEWER AND STORM DRAIN PIPE.
5. HAUNCHING SHALL BE TO SPRING LINE OF PIPE.
6. FOR TRENCHES & EXCAVATIONS LOCATED WITHIN ROADWAY SECTION, SEE PAVEMENT PATCH DETAIL.
7. ALL TRENCHES AND EXCAVATIONS SHALL CONFORM TO THE LATEST EDITION OF O.S.H.A. AND M.U.T.C.D. REQUIREMENTS.
8. UNDERGROUND WARNING TAPE SHALL BE METALLIC AND APPROPRIATELY LABELED AND COLORED.

TRENCH DETAIL (WF)
N.T.S. FOR WATER

FOR REVIEW ONLY

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

BERGERON VILLAGE PATIO HOMES
AREA 1
WATER IMPROVEMENT DETAILS
ELKO, NEVADA

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DRAWN BY:	LLC
CHECKED BY:	LLC
DATE:	4-24-26
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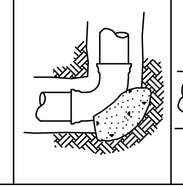
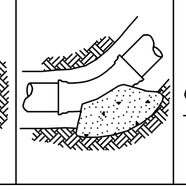
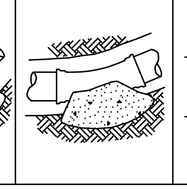
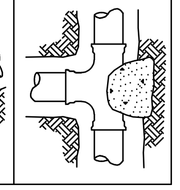
DWG NO:	2026-01

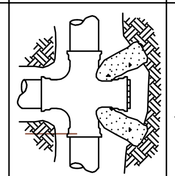
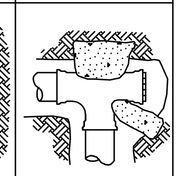
SCALE
HORIZ: N/A
VERT: N/A

SHEET
C10
OF 11

Type of Fitting	90° Bend	45° Bend	11-1/4° or 22-1/2° Bend	Tee or Dead End
Typical Installation				

THRUST BLOCK BEARING AREA (SQ. FT.)

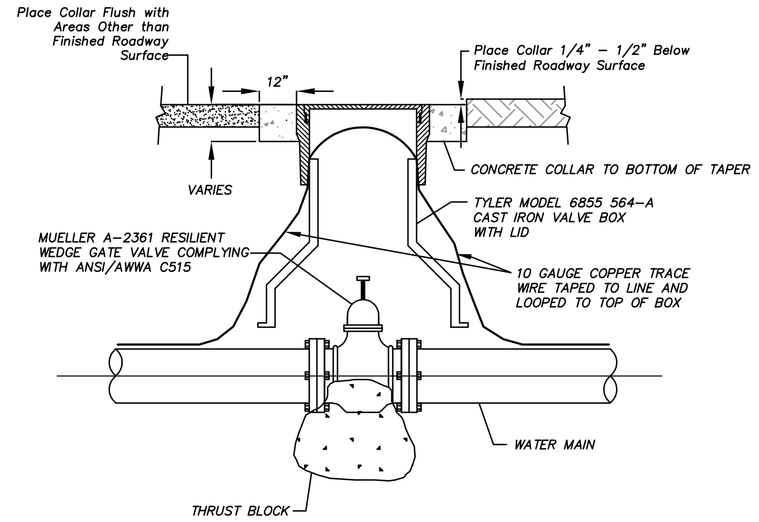
Type of Fitting		90° Bend	45° Bend	11-1/4° or 22-1/2° Bend	Tee or Dead End	Tee with Plug	Cross with Plug
Pipe		2	1	1	2	2	2
	6"	4	4	2	4	4	4
	8"	7	4	2	5	7	7
	10"	12	6	3	8	12	12
	12"	16	10	5	12	16	16
	18"	45	25	13	32	45	45

Type of Fitting	Cross with Plug	Tee with Plug
Typical Installation		

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 2000 p.s.f. 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.

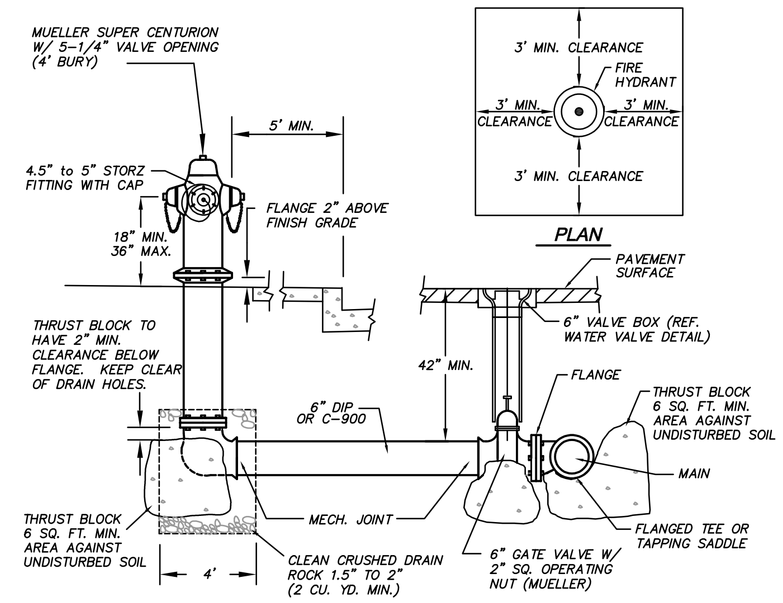
STANDARD THRUST BLOCKS (WA)
N.T.S.



NOTES:

1. CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 337.10 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.
2. VALVE COLLAR SHALL BE SET ¼" TO ½" BELOW FINISHED CONCRETE OR BITUMINOUS SURFACE. VALVE COLLARS IN ALL OTHER AREAS SHALL BE SET FLUSH WITH FINISHED GRADE, UNLESS OTHERWISE SPECIFIED.
3. CONCRETE COLLAR REQUIRED WHEN VALVE IS NOT LOCATED IN CONCRETE OR BITUMINOUS SURFACE.

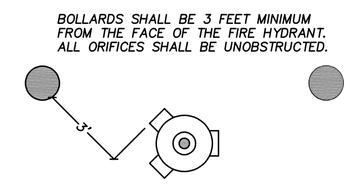
VALVE AND BOX (WB)
N.T.S.



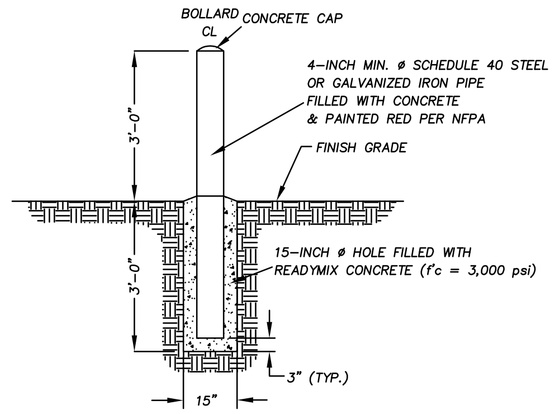
NOTES: **ELEVATION**

1. HYDRANTS SHALL BE ENAMELED RED.
2. ALL HYDRANTS SHALL HAVE (2) 2.5" PUMPER OUTLETS (MALE THREAD WITH CAP & CHAIN) AND (1) 4.5" STEAMER PUMPER OUTLET WITH 4.5" – 5" STORZ MALE CONNECT WITH CAP & CHAIN. ALL THREADS SHALL BE SPECIFIED FOR AMERICAN NATIONAL HOSE COUPLING.
3. OPERATING NUT SHALL BE 1.5" PENTAGON.
4. INSPECTION BY A CITY OF ELKO FIRE OR PUBLIC WORKS REPRESENTATIVE IS REQUIRED PRIOR TO BACKFILLING.
5. FOR FINAL ACCEPTANCE, A FLOW, FLUSH, & HYDROSTATIC TEST SHALL BE WITNESSED BY CITY OF ELKO FIRE DEPT./UTILITY DIRECTOR OR PUBLIC WORKS REPRESENTATIVE, PER FORM 13–97, "MATERIALS & TEST CERTIFICATE FOR UNDERGROUND PIPING".
6. ALL HYDRANT SHALL INCLUDE APPROVED TRAFFIC PROTECTION, 3' MINIMUM CLEARANCES, AND POSITIVE DRAINAGE AWAY FROM THE HYDRANT.

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



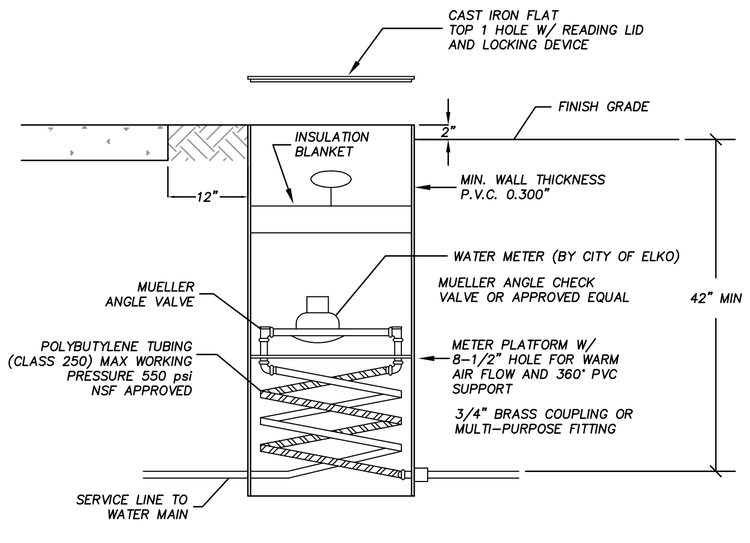
HYDRANT POST LOCATIONS



NOTES:

1. INSTALL BOLLARDS AT THE LOCATION OR SPACINGS SHOWN ON THIS DETAIL
2. PAINT BOLLARDS WITH EPOXY, VINYL OR POLYURETHANE INDUSTRIAL TYPE PAINT AFTER REMOVING ALL RUST AND SCALE FROM THE SCHEDULE 40 STEEL PIPE.

BOLLARD (GUARD POST) FOR FIRE HYDRANT PROTECTION

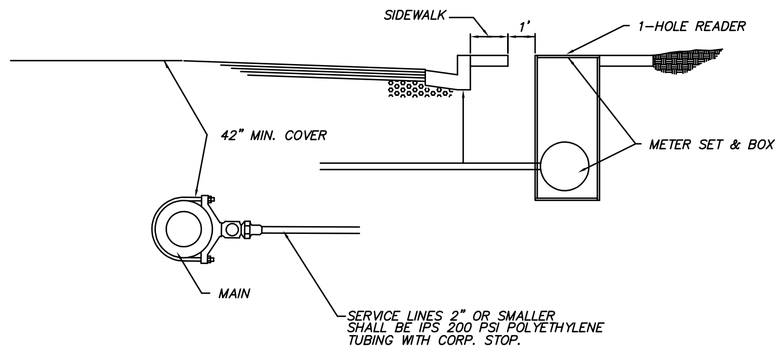


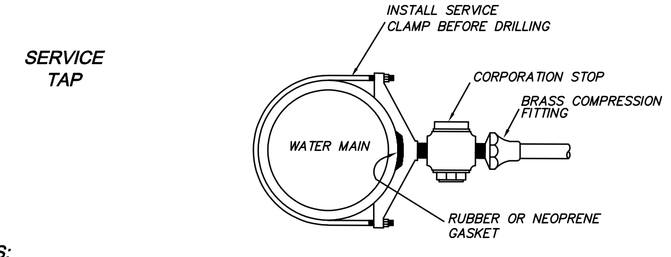
1" WATER METER BOX

NOTES:

1. 4' WATER METER BOX SHALL BE MUELLER / McCULLOUGH THERMA–COIL METER BOX.
2. NO MORE THAN ONE EXTENSION ALLOWED.
3. LOCATE WATER METER 1 FT. BEHIND BACK OF SIDEWALK.

WATER METER (WD)
N.T.S.

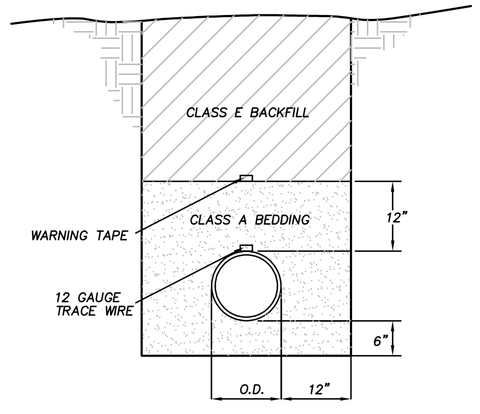




NOTES:

1. CORPORATION STOP, CURB STOP, (GATE VALVE 4" OR LARGER) AND SERVICE LINE TO BE SAME SIZE.
2. SERVICE CLAMPS SHALL BE DOUBLE STRAP FOR ALL SERVICE TAP SIZES, EXCEPT WHERE SIZE OF TAP EXCEEDS MANUFACTURER'S RECOMMENDED LIMIT FOR SIZE OF MAIN.
3. TAPS SHALL BE STAGGERED AND PLACED A MINIMUM OF 12" APART FOR DUCTILE IRON PIPE. TAPS SHALL BE STAGGERED AND PLACED A MINIMUM OF 18" APART FOR C900. NO TAPS SHALL BE CLOSER THAN 2 FEET FROM THE ENDS OF PIPE.
4. ALL JOINT FITTINGS SHALL BE OF BRASS COMPRESSION TYPE.

WATER SERVICE CONNECTION (WE)
N.T.S.



1. WATER DENSIFIED BACKFILL AND TUNNELING SHALL NOT BE ALLOWED.
2. BACKFILL SHALL MEET THE REQUIREMENTS FOR CLASS "E" BACKFILL WITH NO ROCKS OVER 4" COMPACTED IN 6" MAXIMUM LIFTS TO MINIMUM 90% OF MAXIMUM DRY DENSITY ASTM D1557 MODIFIED PROCTOR.
3. BEDDING MATERIAL SHALL MEET REQUIREMENTS FOR CLASS "A" BACKFILL AS SHOWN IN SUBSECTION 200.03.02 OF STANDARD SPECIFICATIONS AND COMPACTED TO AT LEAST 90% OF MAXIMUM DRY DENSITY ASTM D1557 MODIFIED PROCTOR.
4. PLACE METALLIC LOCATION TAPE (12 GAGE TRACE WIRE) 1 FOOT ABOVE WATER, SEWER AND STORM DRAIN PIPE.
5. HAUNCHING SHALL BE TO SPRING LINE OF PIPE.
6. FOR TRENCHES & EXCAVATIONS LOCATED WITHIN ROADWAY SECTION, SEE PAVEMENT PATCH DETAIL.
7. ALL TRENCHES AND EXCAVATIONS SHALL CONFORM TO THE LATEST EDITION OF O.S.H.A. AND M.U.T.C.D. REQUIREMENTS.
8. UNDERGROUND WARNING TAPE SHALL BE METALLIC AND APPROPRIATELY LABELED AND COLORED.

TRENCH DETAIL (WF)
N.T.S. FOR WATER

FOR REVIEW ONLY

REV	DATE	DESCRIPTION
1	4-6-26	CITY OF ELKO PLAN CHECK COMMENTS

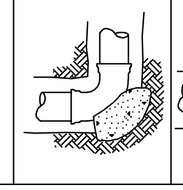
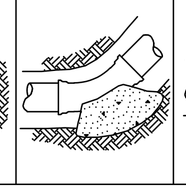
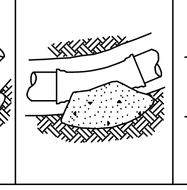
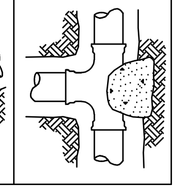
Carter Engineering, LLC
Civil Engineering
P. O. Box 794
Elko, Nevada 89803
775-397-2531

BERGERON VILLAGE PATIO HOMES
AREA 1
WATER IMPROVEMENT DETAILS
ELKO, NEVADA

DESIGN BY:	LLC
DRAWN BY:	LLC
CHECKED BY:	LLC
DATE:	4-24-26
JOB NO:	17-2020
DWG NO:	2026-01

SCALE
HORIZ: N/A
VERT: N/A

SHEET
C10
OF 11

Type of Fitting	90° Bend	45° Bend	11-1/4° or 22-1/2° Bend	Tee or Dead End
Typical Installation				

THRUST BLOCK BEARING AREA (SQ. FT.)

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
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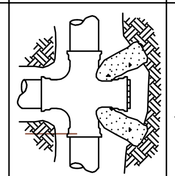
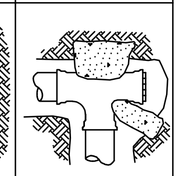
Typical Installation		

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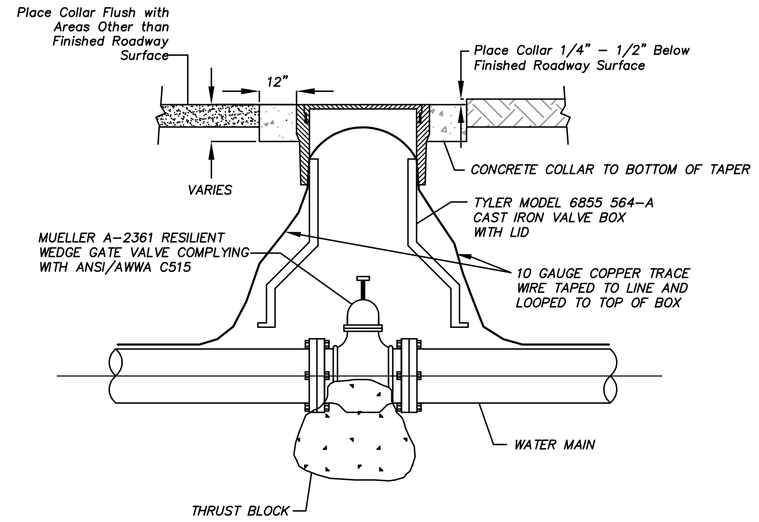
STANDARD THRUST BLOCKS (WA)
N.T.S.



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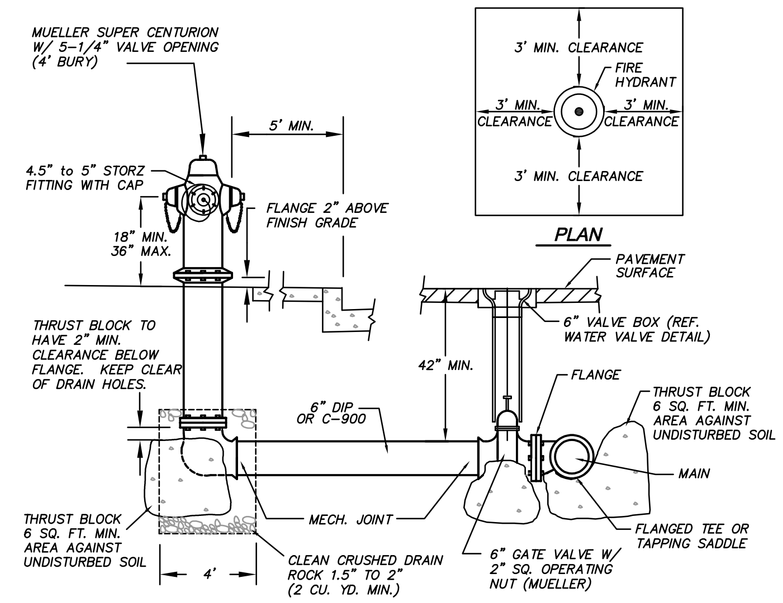
VALVE AND BOX (WB)
N.T.S.



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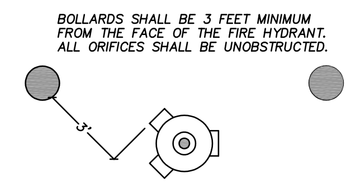
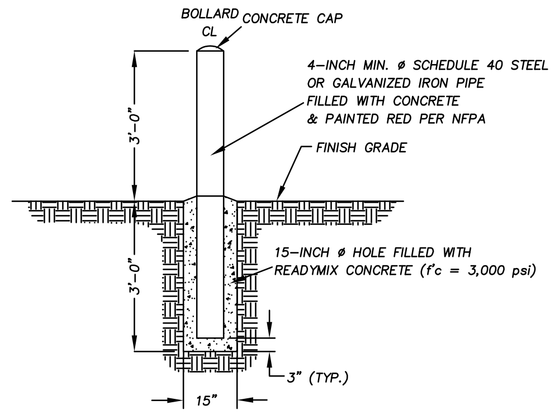
FIRE HYDRANT ASSEMBLY (WC)
N.T.S.



HYDRANT POST LOCATIONS



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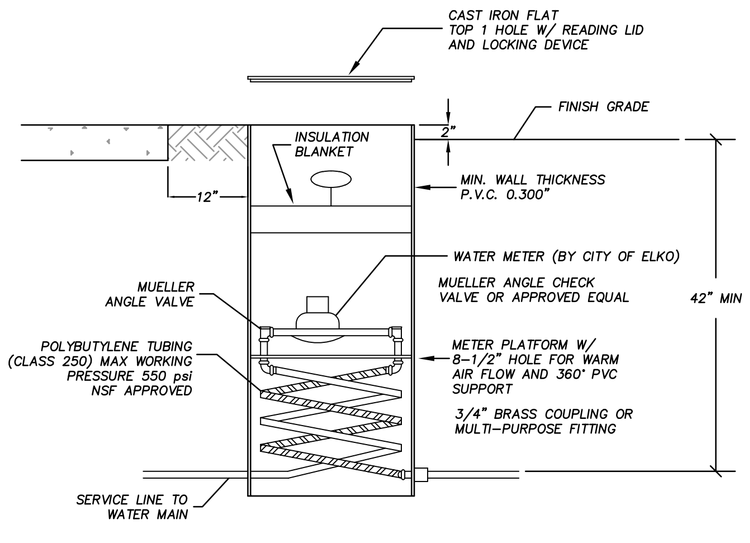
BOLLARD (GUARD POST) FOR FIRE HYDRANT PROTECTION



1" WATER METER BOX

NOTES:

1. 4' WATER METER BOX SHALL BE MUELLER / McCULLOUGH THERMA–COIL METER BOX.
2. NO MORE THAN ONE EXTENSION ALLOWED.
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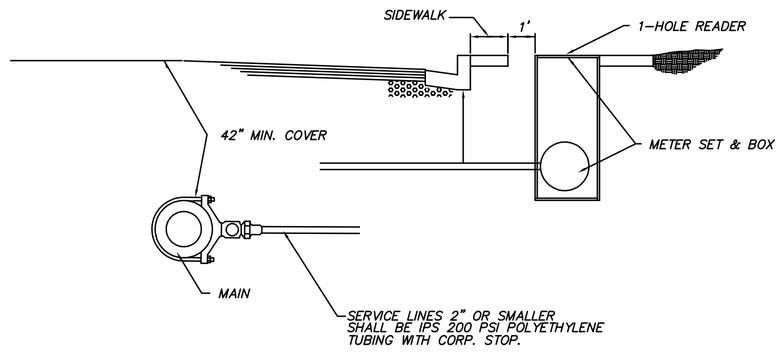
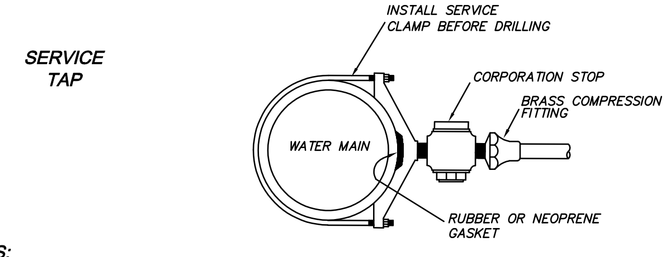
WATER METER (WD)
N.T.S.





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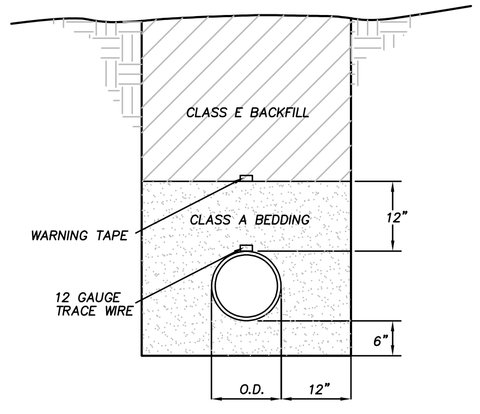
4. ALL JOINT FITTINGS SHALL BE OF BRASS COMPRESSION TYPE.

WATER SERVICE CONNECTION (WE)
N.T.S.



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2. BACKFILL SHALL MEET THE REQUIREMENTS FOR CLASS "E" BACKFILL WITH NO ROCKS OVER 4" COMPACTED IN 6" MAXIMUM LIFTS TO MINIMUM 90% OF MAXIMUM DRY DENSITY ASTM D1557 MODIFIED PROCTOR.
3. BEDDING MATERIAL SHALL MEET REQUIREMENTS FOR CLASS "A" BACKFILL AS SHOWN IN SUBSECTION 200.03.02 OF STANDARD SPECIFICATIONS AND COMPACTED TO AT LEAST 90% OF MAXIMUM DRY DENSITY ASTM D1557 MODIFIED PROCTOR.
4. PLACE METALLIC LOCATION TAPE (12 GAGE TRACE WIRE) 1 FOOT ABOVE WATER, SEWER AND STORM DRAIN PIPE.
5. HAUNCHING SHALL BE TO SPRING LINE OF PIPE.
6. FOR TRENCHES & EXCAVATIONS LOCATED WITHIN ROADWAY SECTION, SEE PAVEMENT PATCH DETAIL.
7. ALL TRENCHES AND EXCAVATIONS SHALL CONFORM TO THE LATEST EDITION OF O.S.H.A. AND M.U.T.C.D. REQUIREMENTS.
8. UNDERGROUND WARNING TAPE SHALL BE METALLIC AND APPROPRIATELY LABELED AND COLORED.

TRENCH DETAIL (WF)
N.T.S. FOR WATER

FOR REVIEW ONLY

REV	DATE	DESCRIPTION
1	4-6-26	CITY OF ELKO PLAN CHECK COMMENTS

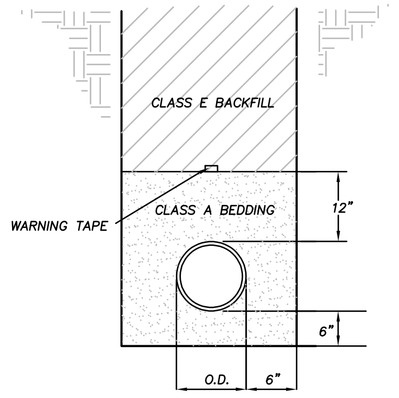
Carter Engineering, LLC
Civil Engineering
P. O. Box 794
Elko, Nevada 89803
775-397-2531

BERGERON VILLAGE PATIO HOMES
AREA 1
WATER IMPROVEMENT DETAILS
ELKO, NEVADA

DESIGN BY:	LLC
DRAWN BY:	LLC
CHECKED BY:	LLC
DATE:	4-24-26
JOB NO:	17-2020
DWG NO:	2026-01

SCALE
HORIZ: N/A
VERT: N/A

SHEET
C10
OF 11



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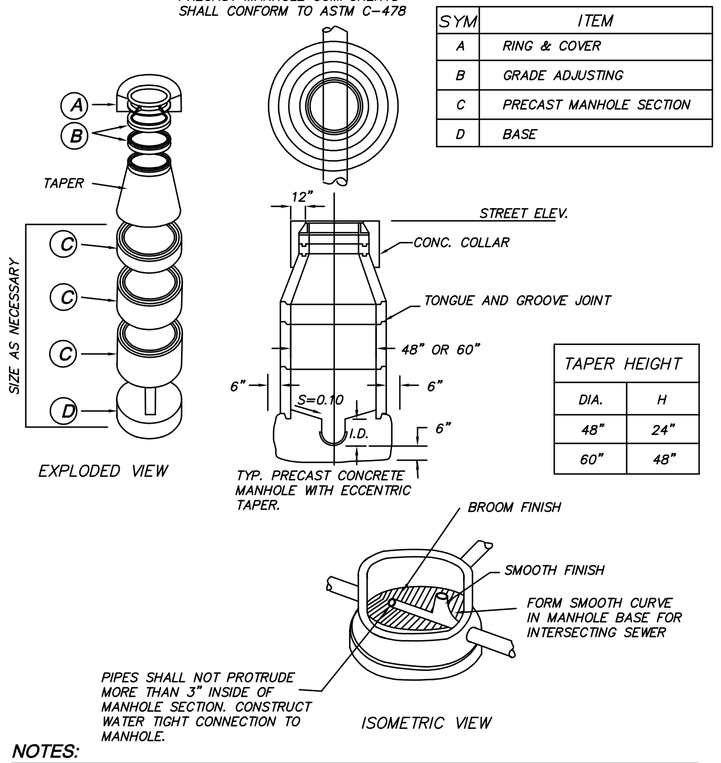
7. ALL TRENCHES AND EXCAVATIONS SHALL CONFORM TO THE LATEST EDITION OF O.S.H.A. AND M.U.T.C.D. REQUIREMENTS.
8. UNDERGROUND WARNING TAPE SHALL BE METALLIC AND APPROPRIATELY LABELED AND COLORED.

TRENCH DETAIL
N.T.S. FOR SANITARY SEWER — SA

PRECAST MANHOLE COMPONENTS SHALL CONFORM TO ASTM C-478

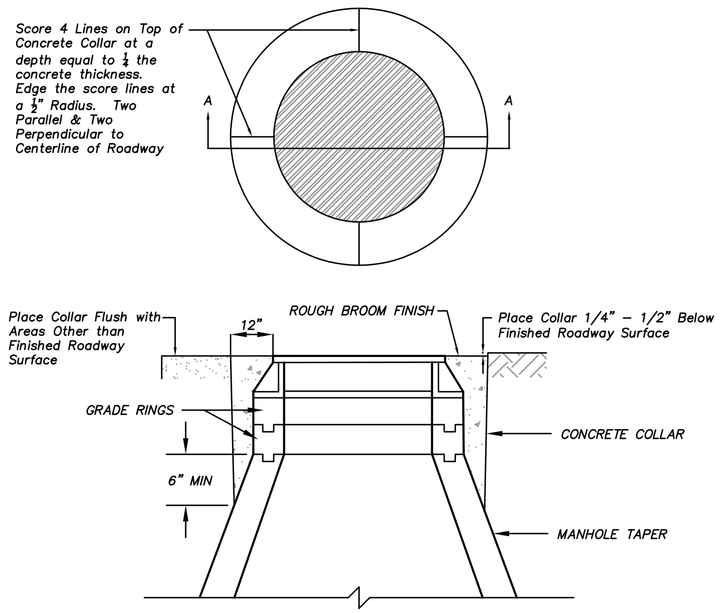
SYM	ITEM
A	RING & COVER
B	GRADE ADJUSTING
C	PRECAST MANHOLE SECTION
D	BASE



TAPER HEIGHT	
DIA.	H
48"	24"
60"	48"

NOTES:

1. PIPE SECTION LENGTHS ARRANGED TO FIT DEPTH.
2. PRECAST BASE MAY BE USED IF APPROVED BY GOVERNING AGENCY.
3. MANHOLE STEPS ARE NOT REQUIRED.
4. REFER TO DETAIL SHEET (MANHOLE – GENERAL NOTES) FOR ADDITIONAL INFORMATION.



SECTION A-A

NOTES:

1. CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 337.10 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. MANHOLE COLLAR SHALL BE SET ½" TO ¾" BELOW FINISHED CONCRETE OR BITUMINOUS SURFACE. MANHOLE COLLARS IN ALL OTHER AREAS SHALL BE SET FLUSH WITH FINISHED GRADE, UNLESS OTHERWISE SPECIFIED.
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TYPE 1 MANHOLE
N.T.S. FOR SANITARY SEWER — SB

MANHOLES - GENERAL NOTES:

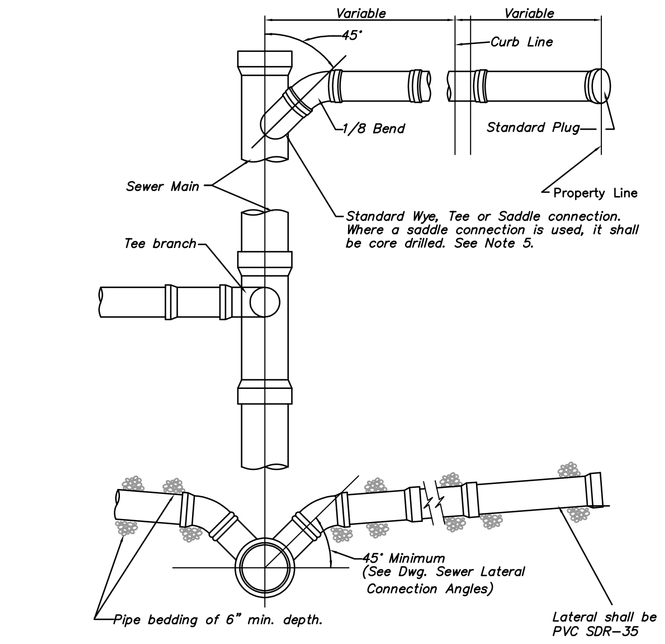
1. ALL MANHOLES SHALL MEET THE REQUIREMENTS OF SECTION 204 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. MANHOLE COVERS SHALL BE IDENTIFIED AS STORM DRAIN, WATER OR SEWER CLEARLY DISPLAYED ON THE COVER.
3. ALL TRENCHES AND EXCAVATIONS SHALL CONFORM WITH THE LATEST EDITION OF THE O.S.H.A. REQUIREMENTS.
4. PRECAST MANHOLE SECTIONS, OTHER THAN GRADE RINGS, SHALL BE JOINED WITH FLEXIBLE PLASTIC GASKET MATERIAL SUCH AS "RAM–NEK" OR EQUAL AS PER MANUFACTURER'S RECOMMENDATIONS.
5. TYPE & SIZE OF MANHOLE TO BE CONSTRUCTED IN A PARTICULAR LOCATION SHALL BE DETERMINED BY THE PIPE SIZE, ALIGNMENT AND GRADE AS FOLLOWS:

   TYPE 1A & 1B

   48" SIZE
   - A. ALL CASES FOR PIPE 18" AND SMALLER.
   - B. 24" AND SMALLER PIPE ON TANGENT LINE & GRADE.

   60" SIZE
   - A. 27" THROUGH 36" PIPE ON TANGENT LINE AND GRADE.
   - B. 21" THROUGH 27" PIPE AT ANGLE POINTS AND CHANGES IN GRADE OR PIPE SIZE.

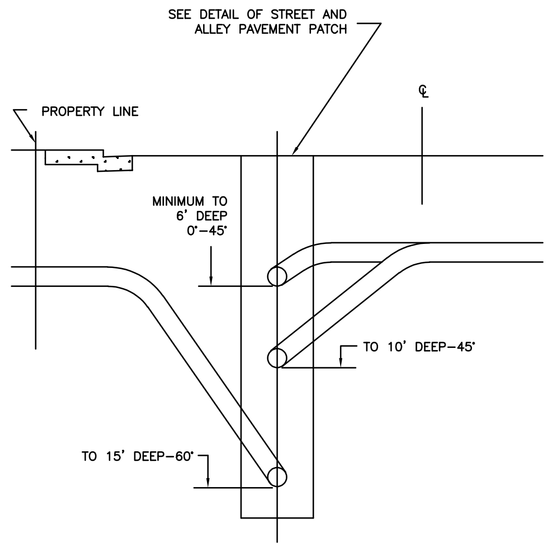
6. EXCAVATABLE SLURRY BACKFILL MAY BE USED AS STRUCTURAL BACKFILL FOR MANHOLES AND MUST MEET THE REQUIREMENTS OF SECTIONS 305.16 & 337.08 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
7. THE TOTAL HEIGHT OF MANHOLE GRADE RINGS SHALL NOT EXCEED 12 INCHES.
8. MANHOLE ACCESS DIAMETER SHALL BE 24" MINIMUM.



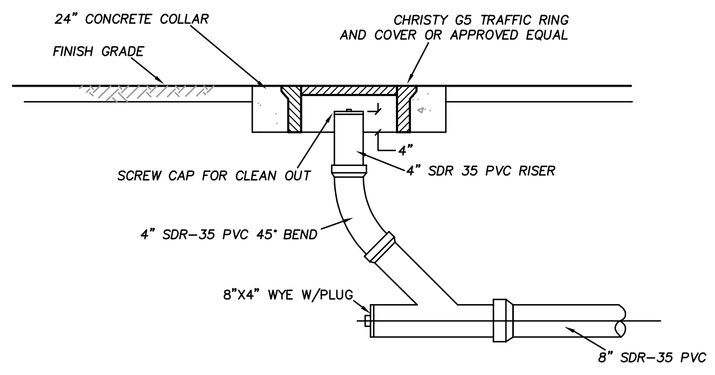
NOTES:

1. IN NO CASE SHALL A LATERAL CONNECT TO THE SEWER MAIN DIRECTLY ON TOP OR MATCH THE FLOWLINE OF THE PIPE.
2. SEWER LATERALS SHALL HAVE A MINIMUM SLOPE OF 2%.
3. ALL JOINTS ON SEWER LATERAL PIPE WITHIN THE RIGHT-OF-WAY SHALL BE COMPRESSION TYPE.
4. LATERAL SHALL EXTEND TO PROPERTY LINE UNLESS OTHERWISE SHOWN ON PLANS.
5. SADDLE CONNECTION SHALL BE PVC SADDLE WITH STAINLESS STEEL STRAPS.
6. ANY ABANDONED SEWER LATERAL IS THE RESPONSIBILITY OF THE CUSTOMER AND SHALL BE CUT AND CAPPED OR PLUGGED WITHIN 6 INCHES OF THE SEWER MAIN AND SUBJECT TO THE CITY OF ELKO'S APPROVAL.
7. SEWER MAIN/LATERAL CONNECTIONS SHALL MEET THE REQUIREMENTS OF NAC 445A.

SEWER LATERAL CONNECTION
N.T.S. — SC



LATERAL CONNECTION ANGLES



CLEANOUT
FOR SANITARY SEWER — N.T.S. — SD

FOR REVIEW ONLY

REV	DATE	DESCRIPTION
1	4-6-26	CITY OF ELKO PLAN CHECK COMMENTS

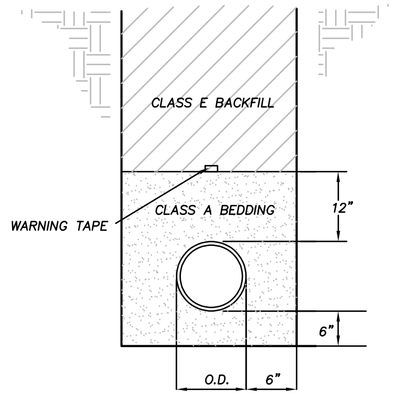
Carter Engineering, LLC
Civil Engineering
P. O. Box 794
Elko, Nevada 89803
775-397-2531

BERGERON VILLAGE PATIO HOMES AREA 1
SANITARY SEWER DETAILS
ELKO, NEVADA

DESIGN BY:	LLC
DRAWN BY:	LLC
CHECKED BY:	LLC
DATE:	4-24-26
JOB NO:	17-2020
DWG NO:	2026-01

SCALE
HORIZ: N/A
VERT: N/A

SHEET C11
OF 11

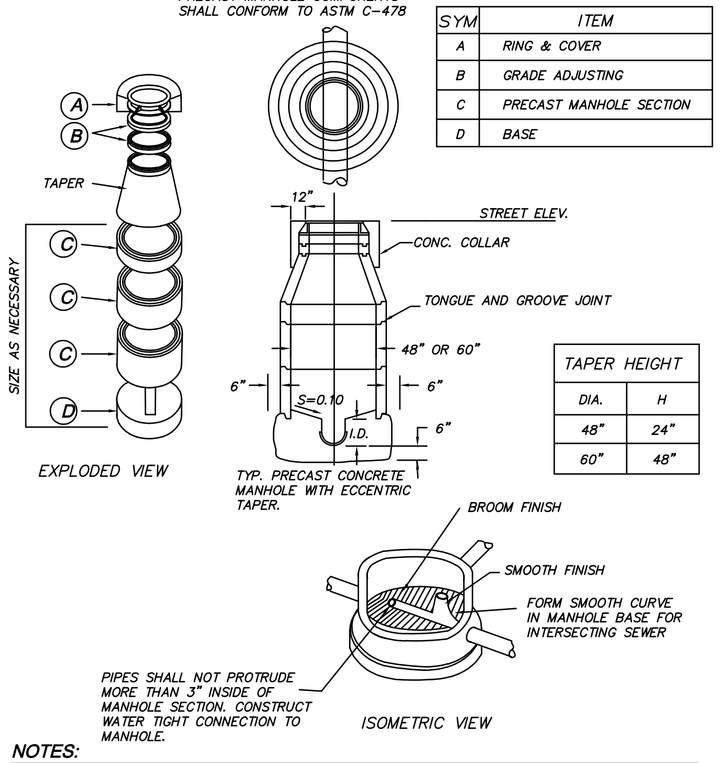


1. WATER DENSIFIED BACKFILL AND TUNNELING SHALL NOT BE ALLOWED.
2. BACKFILL SHALL MEET THE REQUIREMENTS FOR CLASS "E" BACKFILL WITH NO ROCKS OVER 4" COMPACTED IN 6" MAXIMUM LIFTS TO MINIMUM 90% OF MAXIMUM DRY DENSITY ASTM D1557 MODIFIED PROCTOR.
3. BEDDING MATERIAL SHALL MEET REQUIREMENTS FOR CLASS "A" BACKFILL AS SHOWN IN SUBSECTION 200.03.02 OF STANDARD SPECIFICATIONS AND COMPACTED TO AT LEAST 90% OF MAXIMUM DRY DENSITY ASTM D1557 MODIFIED PROCTOR.
4. PLACE METALLIC LOCATION TAPE (12 GAGE TRACE WIRE) 1 FOOT ABOVE WATER, SEWER AND STORM DRAIN PIPE.
5. HAUNCHING SHALL BE TO SPRING LINE OF PIPE.
6. FOR TRENCHES & EXCAVATIONS LOCATED WITHIN ROADWAY SECTION, SEE PAVEMENT PATCH DETAIL.
7. ALL TRENCHES AND EXCAVATIONS SHALL CONFORM TO THE LATEST EDITION OF O.S.H.A. AND M.U.T.C.D. REQUIREMENTS.
8. UNDERGROUND WARNING TAPE SHALL BE METALLIC AND APPROPRIATELY LABELED AND COLORED.

TRENCH DETAIL
N.T.S. FOR SANITARY SEWER — SA

PRECAST MANHOLE COMPONENTS SHALL CONFORM TO ASTM C-478

SYM	ITEM
A	RING & COVER
B	GRADE ADJUSTING
C	PRECAST MANHOLE SECTION
D	BASE



TAPER HEIGHT	
DIA.	H
48"	24"
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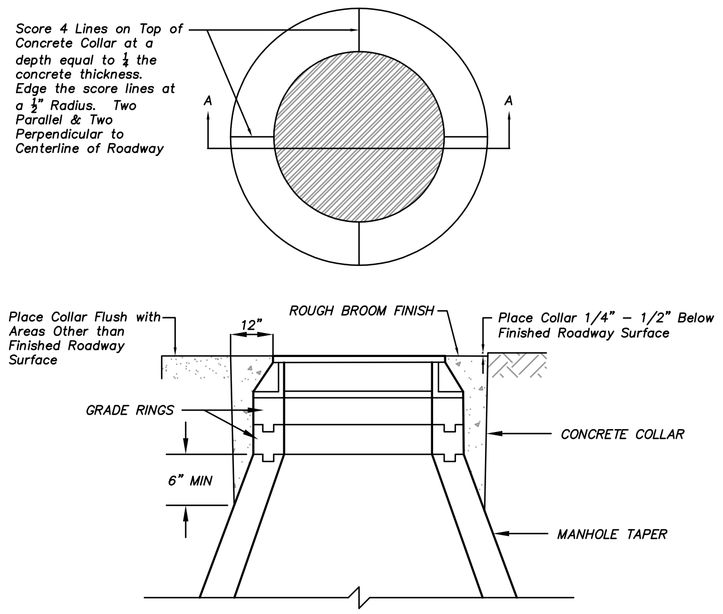

SECTION A-A

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N.T.S. FOR SANITARY SEWER — SB

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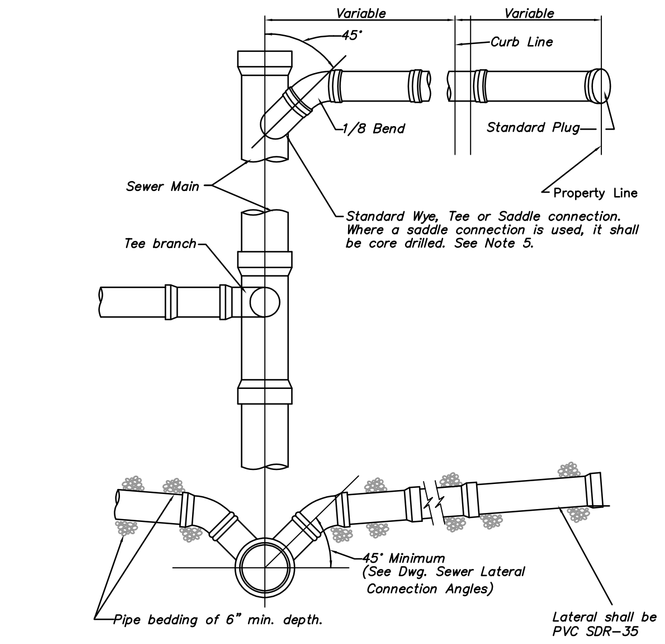

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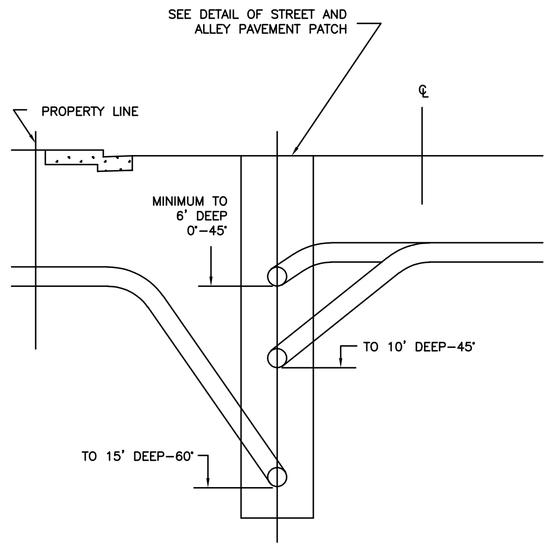
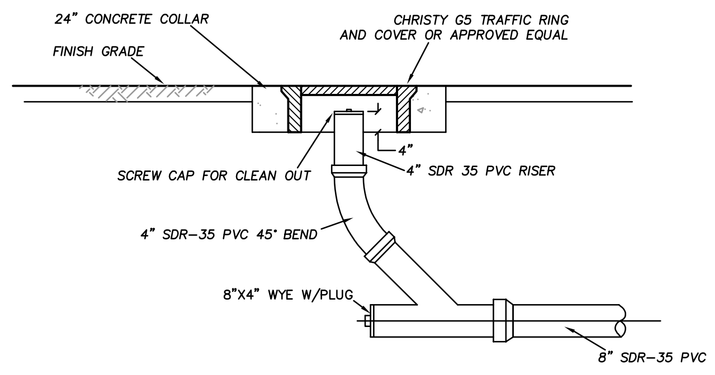
SEWER LATERAL CONNECTION
N.T.S. — SC



LATERAL CONNECTION ANGLES



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HORIZ: N/A
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SHEET C11
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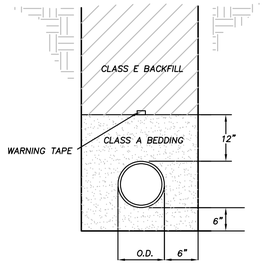

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TRENCH DETAIL
N.T.S. FOR SANITARY SEWER — SA

PRECAST MANHOLE COMPONENTS SHALL CONFORM TO ASTM C-478

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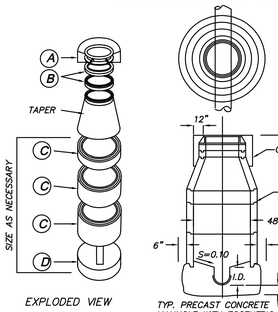
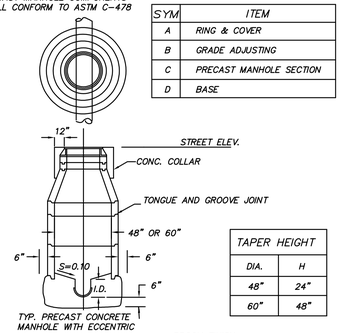
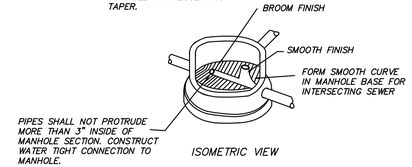


EXPLODED VIEW



TYP. PRECAST CONCRETE MANHOLE WITH ECCENTRIC TAPER.

TAPER HEIGHT	
DIA.	H
48"	24"
60"	48"



ISOMETRIC VIEW

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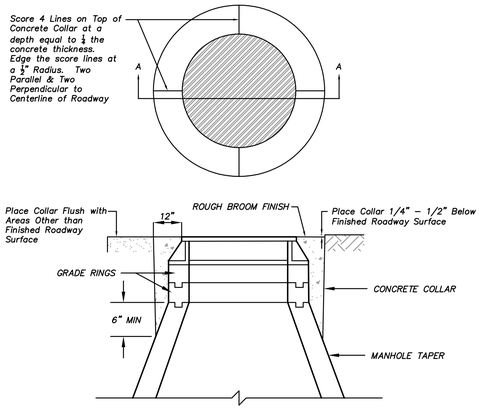

SECTION A-A

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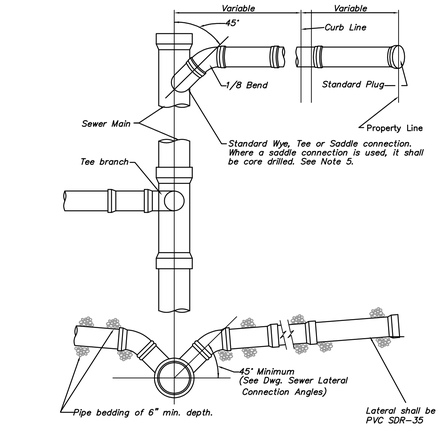

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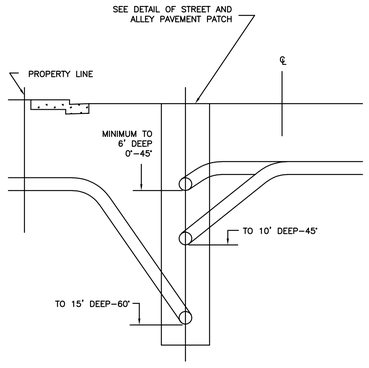
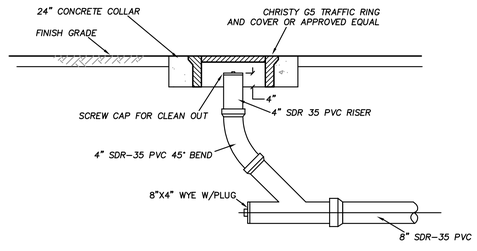
SEWER LATERAL CONNECTION
N.T.S. — SC



LATERAL CONNECTION ANGLES



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SHEET C11
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