CARSON CITY ANIMAL SHELTER CARSON CITY, NV

549 AIRPORT ROAD CARSON CITY, NV 89701

JULY 23, 2015 ISSUED FOR BIDS

NOT FOR CONSTRUCTION

THIS DESIGN DRAWING IS PROVIDED BY THE DESIGN CONSULTANT. CONSTRUCTION DOCUMENTS TO BE COMPLETED BY THE ARCHITECT OF RECORD AS REQUIRED BY LOCAL AUTHORITIES.

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL STATE AND LOCAL BUILDING CODES AND ORDINANCES.
- ALL PUBLIC UTILITY TIE INS TO COMPLY WITH LOCAL MUNICIPALITY REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE FOR ALL UNDERGROUND UTILITY LOCATIONS AND ASSOCIATED EXCAVATIONS. CONTRACTOR SHALL BECOME FAMILIAR WITH AND EXAMINE THE SITE PRIOR TO
- PROPOSING OR WORKING ON THE PROJECT. PROPOSING OR WORKING ON THE PROJECT SHALL CONSTITUTE UNDERSTANDING AND ACCEPTANCE OF ALL
- BRACE PARTITIONS TO ROOF STRUCTURE ABOVE AS REQUIRED. ALL EXPOSED WOOD TRIM TO BE STAIN GRADE PINE OR FIR, UNLESS NOTED
- NON-BEARING PARTITIONS MAY BE CONSTRUCTED OF 2x4 WOOD or 3 5/8" 26 GA. METAL STUDS AT CONTRACTORS OPTION.
- PARTITIONS DESIGNATED AS DEMISING OR SOUND ATTENUATING SHALL BE CONSTRUCTED AS INDICATED, FROM FLOOR TO STRUCTURE WITH CAULKING AT ENTIRE PERIMETER AND ANY PENETRATIONS TIGHTLY SEALED AND CAULKED. INSULATE ENTIRE CAVITY WITH FULL THICKNESS UNFACED BATT INSULATION.

GENERAL PARTITIONS SHALL EXTEND TO ABOVE FINISH CEILING.

DETAIL CUT SYMBOL

SECTION CUT SYMBOL

10. ALL DOOR FRAMES TO RECEIVE SILENCERS.

INTERFACE

- 11. ALL ROOF PENETRATIONS SHALL BE FLASHED BY PROFESSIONAL ROOFER. 12. ALL EXPOSED SURFACES TO BE FINISHED.
- 13. ALL WALL SURFACES TO BE PRIME PAINTED PRIOR TO FINISH COAT OR VWC. 14. ALL TRADES SHALL BE RESPONSIBLE FOR WORK IN THEIR RESPECTIVE TRADES REGARDLESS OF WHERE REFERENCES APPEAR. SHOULD ELECTRICAL WORK APPEAR ON AN ARCHITECTURAL DRAWING, THE ELECTRICAL CONTRACTOR WILL BE HELD RESPONSIBLE FOR ITS COMPLETION: ETC. ALL CONTRACTORS SHOULD BE THOROUGHLY FAMILIAR WITH ALL PLANS AND SPECIFICATIONS SECTIONS AND THE WORK OF ALL OTHER TRADES TO ASSURE COMPLETE COVERAGE AND SYSTEM
- 15. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL BUILDING PERMITS. A BUILDING PERMIT IS REQUIRED. ALL WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE LOCAL AND STATE CODES, ORDINANCES, AND REGULATIONS. GOVERNING THE PARTICULAR CLASS OF WORK INVOLVED. THE BUILDER IS RESPONSIBLE FOR ALL PLAN CHECK AND PERMIT SUBMITTALS, INCLUDING ENERGY CODE COMPLIANCE. THE ARCHITECT WILL FURNISH ALL MECH. AND ELECTRICAL CALCS FOR THE CONTRACTORS USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL EXECUTION OF THE WORK TO SUIT THESE REQUIREMENTS. ON COMPLETION OF THE WORK, THE CONTRACTOR SHALL OBTAIN AND DELIVER TO THE OWNER, FINAL CERTIFICATES OF ACCEPTANCE AND OCCUPANCY.
- AND STANDARDS BY NEMA, FOR ELECTRICAL COMPONENTS OF GENERAL WORK. PROVIDE UL LISTED AND LABELED PRODUCTS.

EXCEPT AS OTHERWISE INDICATED, COMPLY WITH APPLICABLE PROVISIONS OF NEC

VICINITY MAP



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ARCHITECTURAL SITE PLAN

DEMOLITION & EXISTING SITE PLAN

GRADING AND DRAINAGE PLAN

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SPECIAL INSPECTION NOTES & TABLES CONCRETE GENERAL NOTES & DETAILS CONCRETE SLAB ON GRADE REQUIREMENTS

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EXTERIOR ELEVATIONS

INTERIOR ELEVATIONS

2012 INTERNATIONAL BUILDING CODE

2012 INTERNATIONAL FUEL GAS CODE

2012 UNIFORM MECHANICAL CODE

2012 UNIFORM PLUMBING CODE

2012 INTERNATIONAL MECHANICAL CODE

WALL SECTIONS WALL SECTIONS

CODES

EGRESS PLAN

CIVIL SITE PLAN

DETAILS DETAILS

DETAILS

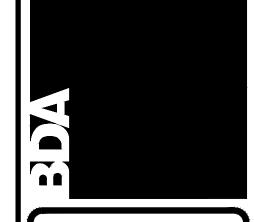
OVERALL UTILITY PLAN DETAILED UTILITY PLAN

LANDSCAPE DETAILS

MULCHING PLAN

IRRIGATION PLAN **IRRIGATION DETAILS**

1			REVIEWS	
	INITIALS	S	DDA DEGIGN DEWEN	1
			BDA DESIGN REVIEW	
THE REPORT OF THE PARTY OF THE			BDA TECHNICAL REVIEW	
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te u	REV. NO.	DATE	COMMENTS	
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PROJECT DATA	•			
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2009 INTERNATIONAL ENERGY CONSERV. CODE 2011 NORTHERN NEVADA ENERGY CODE AMEND. 2012 NORTHERN NEVADA AMENDMENTS 2012 INTERNATIONAL PROPERTY MAINTENANCE CODE

2011 NATIONAL ELECTRIC CODE

WALL SECTIONS

SOFFIT DETAILS

WINDOW DETAILS

DOOR DETAILS DOOR DETAILS

MISCELLANEOUS DETAILS MISCELLANEOUS DETAILS

ROOF AND WALL DETAILS

DOOR SCHEDULE AND TYPES

INTERIOR SPECIFICATIONS REFERENCE FLOOR PLAN

INTERIOR ELEVATIONS

INTERIOR ELEVATIONS

PLUMBING WATER PLAN

PLUMBING GAS PLAN

PLUMBING DETAILS

MECHANICAL DETAILS MECHANICAL DETAILS

MECHANICAL SCHEDULES MECHANICAL SCHEDULES

ELECTRICAL SITE PLAN

POWER PLAN - MECHANICAL

ELECTRICAL LEGEND, SCHEDULES, DETAILS

ELECTRICAL ROOF PLAN

LIGHTING PLAN

RECEPTACLE PLAN

PLUMBING MEDICAL GAS PLAN

 $.2 \times 104 = 20.8$

CONSULTANTS

RESOURCE CONCEPTS, INC 340 N. MINNESOTA STREET CARSON CITY, NV 89703 PHONE: 775.883.1600

LANDSCAPE: SANDRA WENDEL & ASSOCIATES 1624 10TH ST. SUITE 3 MINDEN, NV 89423 PHONE: 775.782.8942 E-MAIL: sandra@swlsa.com

E-MAIL: jeff@rci-nv.com

STRUCTURAL: JJK GROUP, INC. 3240 C JUAN TABO NE ALBUQUERQUE, NM 87111 PHONE: (505) 296-5706

FAX: (505) 296-1672

E-MAIL: jim@jjkgroup.com

11930 MENAUL NE

GAL DESCRIPTION:	A PORTION OF APN 010-031-04	RELEVAN	T CODE:	SEE ABOVE
E ADDRESS:	549 AIRPORT ROAD	BUILDING	TYPE:	ANIMAL SHELTER and CLINIC
E ABBITESS.	CARSON CITY, NEVADA 89701	OCCUPAN	ICY TYPE:	В
RRENT ZONING:	PUBLIC REGIONAL (PR)	CONSTRU	CTION TYPE:	VB
E AREA:	1.5 ACRES		LE AREA: 9000 SF x2 G SPRINKLED)	18,000 SF
		GROSS US	SABLE AREA (CURRENT):	10,326 SF
			BUILDING: KENNELS & GARAGE:	7,411 SF 3,315 SF
			TOTAL:	10,726 SF
		OCCUPAN	IT LOAD (CURRENT): 11,547 FF BUSINESS - 1/100:	115
		EXITS:	REQUIRED: CURRENT PROVIDED:	2 5

ELEVATION SYMBOL KEYED NOTE SYMBOL DOOR NUMBER SYMBOL WINDOW NUMBER SYMBOL STANDARD DIMENSION **CLEAR DIMENSION**

LEGEND:

ABBREVIATIONS:

ABOVE FINISH FLOOR ALTERNATE ACOUSTICAL CEILING TILE CABINET CFM **CUBIC FOOT PER MINUTE** CONTROL JOINT CENTERLINE CEILING CLR CLEAR CONCRETE MASONRY UNIT CO CLEAN OUT CONTINUOUS CONT COLD WATER DROP CORD OUTLET **DRINKING FOUNTAIN** DIAMETER DIA DTL DRAIN WASTE VENT EACH WAY EA WAY **ELECTRIC WATER COOLER** EWC **EXPANSION JOINT** EYEWASH **EXTERIOR** FLOOR DRAIN FINISH FLOOR FIN FLR FINISH FLOOR

GAGE

GYPSUM BOARD

HOLLOW CORE or HANDICAPPED **HOLLOW METAL** HEIGHT HEATING VENTILATING AIR CONDITIONING HVAC **HOT WATER INTERIOR JANITOR** MAXIMUM MAX MECH **MECHANICAL** MANUFACTURER MANHOLE MINIMUM MASONRY OPENING METAL THRESHOLD NOT IN CONTRACT NOT TO SCALE OXYGEN ON CENTER OCP OCCUPANTS OUTSIDE DIAMETER OWNER FURNISHED/CONTRACTOR INSTALLED OFOI OWNER FURNISHED/OWNER INSTALLED

OVER HEAD or OVERHANG

PAINTED GYPSUM BOARD

OPERATING ROOM

PLASTIC LAMINATE

PER CUBIC FOOT

ОН

PCF

PGB

GROSS SQUARE FOOT

GYPSUM BOARD

SPECIFICATION SANITARY SEWER STAINLESS STEEL STEEL SQUARE TOA TOP OF ASPHALT TOC TOP OF CURB/CONCRETE TOP OF PARAPET TOW TOP OF WALL TYPICAL UNDERGROUND **UNLESS NOTED OTHERWISE** VIEW BOX ILLUMINATOR VENT THRU ROOF WATER PROOF/WEATHER PROOF WELDED WIRE FABRIC

PROPERTY LINE

ROOD DRAIN

REFER

SHEET

SIMILAR

SIM

PER LINEAR FOOT

ROUGH OPENING

POUNDS PER SQUARE FOOT

POUNDS PER SQUARE INCH

SOLID CORE or SEALED CONCRETE

THE RESPONSE GROUP, INC. ELECTRICAL PLUMBING: PHONE: (505) 323-7629 FAX: (505) 323-7594

ALBUQUERQUE, NM 87112 E-MAIL: theresponsegroup@trg-inc.net

LEGEND

2 Ocp. OCCUPANT LOAD EXITING DIRECTION

EGRESS PATHWAY

EXIT DISCHARGE

EMERGENCY EGRESS LIGHT FIXTURE, (WALL UP 7'-6") SEE ELECTRICAL

EMERGENCY EXIT LIGHT FIXTURE, WITH BATTERY BACK-UP (CEILING SURFACE) SEE ELECTRICAL

PORTABLE FIRE EXTINGUISHER IN CABINET: LOCATIONS AS PER NFPA 10. MINIMUM SIZE TO BE _2_A_10_BC_2, INSTALLED AT A MAXIMUM OF 48" A.F.F. TO THE TOP OF THE HANDLE. EXTINGUISHERS SHALL BE LOCATED SO THAT NO TRAVEL DISTANCE

OCCUPANCY AND EGRESS TABLES

2012 INTERNATIONAL BUILDING CODE TABLE 1004.1.2 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

1				
USE	OCCUPANT LOAD FACTOR (SF)	NUMBER OF OCCUPANTS		
BUSINESS AREAS	100	22		
STORAGE AND UTILITY	300	6		
MINIMALLY OCCUPIED ANIMAL AREAS (CALCULATED AS "STORAGE AND UTILITY" USE)	300	42		
ANIMAL HOUSING	n/a	n/a		
TOTAL NUMBER OF OCCUP	PANTS PER TABLE 100	04.1.2 = 70		

2012 INTERNATIONAL BUILDIN SECTION 1005.1 MEANS OF E	IG CODE GRESS SIZING PER OCCUPANT SERVED	
EGRESS COMPONENTS WITH SPRINKLER SYSTEM (INCHES PER PERSON)	0.2	

BDA DSGN. REV. BDA TECH REV.

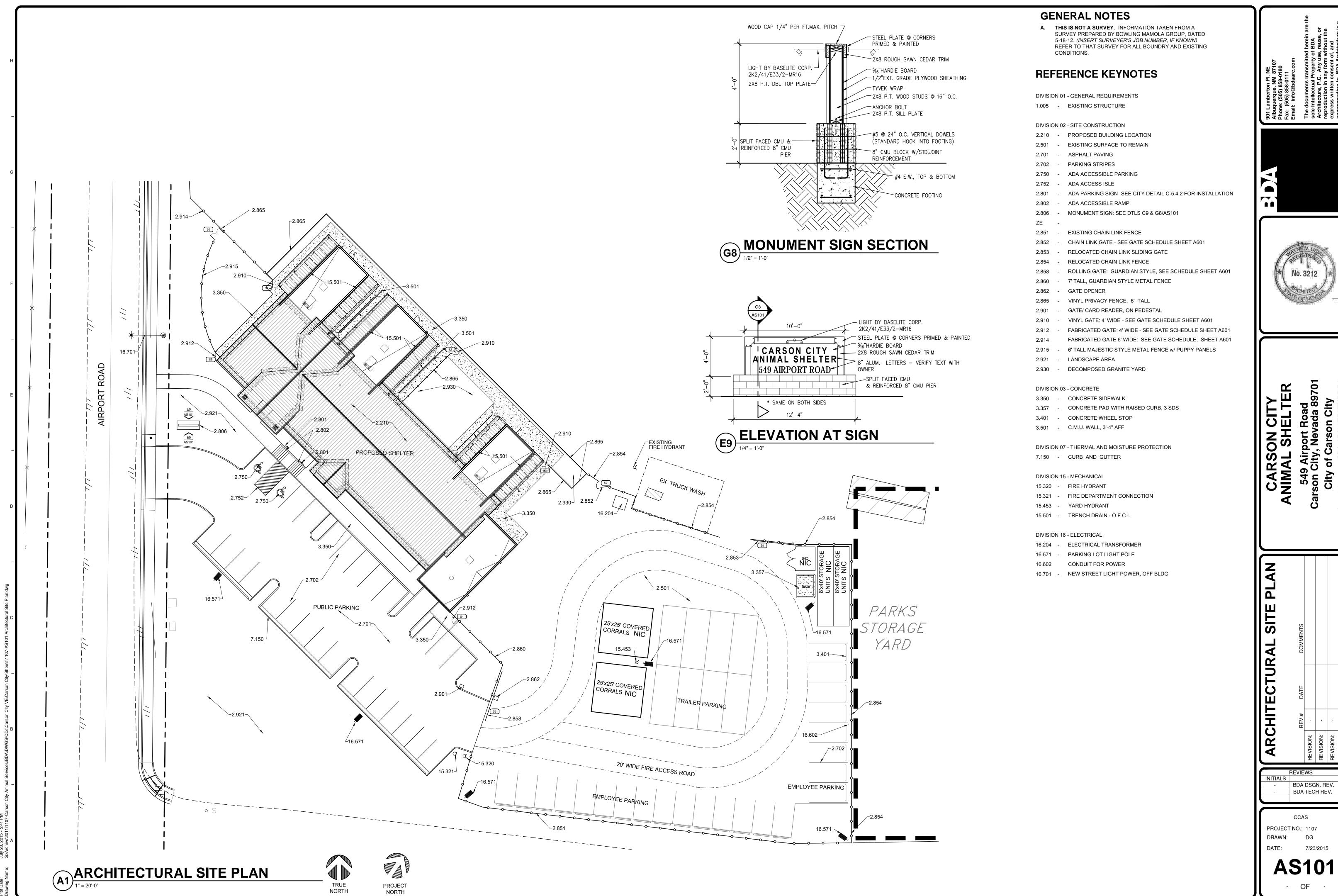
PROJECT NO.: 1107 DRAWN: DATE:

G101

EGRESS PLAN

1/8"=1'-0"

BUILDING AREA = 7,411 SF KENNEL PODS = 2,195 SF INTAKE GARAGE =1,120 SF PROJECT NORTH





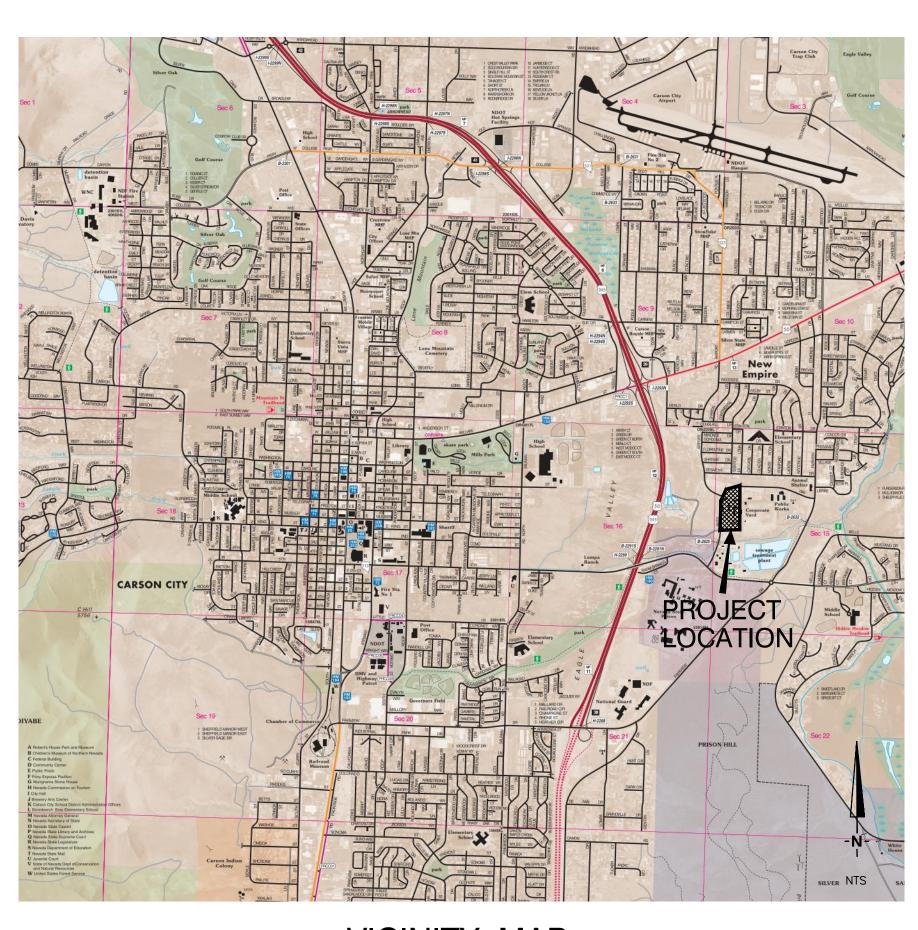


Carson City Animal Shelter

549 Airport Road Carson City, Nevada 89701

ABBREVIATIONS:

```
BEGINNING OF CURVE
        END OF CURVE
        ELEVATION
        FINISHED GRADE
        FLOW LINE
        FEET
        GAS LINE
        GROUND SHOT
        HIGH DENSITY POLYETHYLENE
        INVERT ELEVATION
        IRRIGATION
        MAXIMUM
        MAXIMUM DRY DENSITY
        MINIMUM
MIN
        NECESSARY
        NOT IN CONTRACT
        OVERHEAD POWER
        PORTLAND CEMENT CONCRETE
        POLYETHYLENE
POST INDICATOR VALVE
POL
        POINT ON LINE
POC
        POINT ON CURVE
        POWER POLE
        POINT OF REVERSE CURVE
        POLYVINYL CHLORIDE
        REDUCED PRESSURE BACKFLOW ASSEMBLY
SDMH
        STORM DRAIN MANHOLE
        SANITARY SEWER
        SANITARY SEWER MANHOLE
       TOP BACK OF CURB
        TRENCH DRAIN
        TOP OF PCC BENCH
        TOP OF WALL
        TOP OF SLOPE
TYPICAL
        WATER
        WATER VALVE
        WITH
        UNDERGROUND POWER
        VALLEY GUTTER
        FEET
        INCHES
       PERCENT
```



VICINITY MAP

CIVIL SHEET INDEX

Sheet C101 - Cover Sheet

Sheet C102 - Demolition and Existing Site Plan

Sheet C103 - Civil Site Plan

Sheet C104 - Grading and Drainage Plan

Sheet C105 - Overall Utility Plan

Sheet C106 - Detailed Utility Plan

Sheet C107 - Frontage Improvements Plan

Sheet C108 - Details

Sheet C109 - Details

Sheet C110 - Details

Sheet C111 - Details



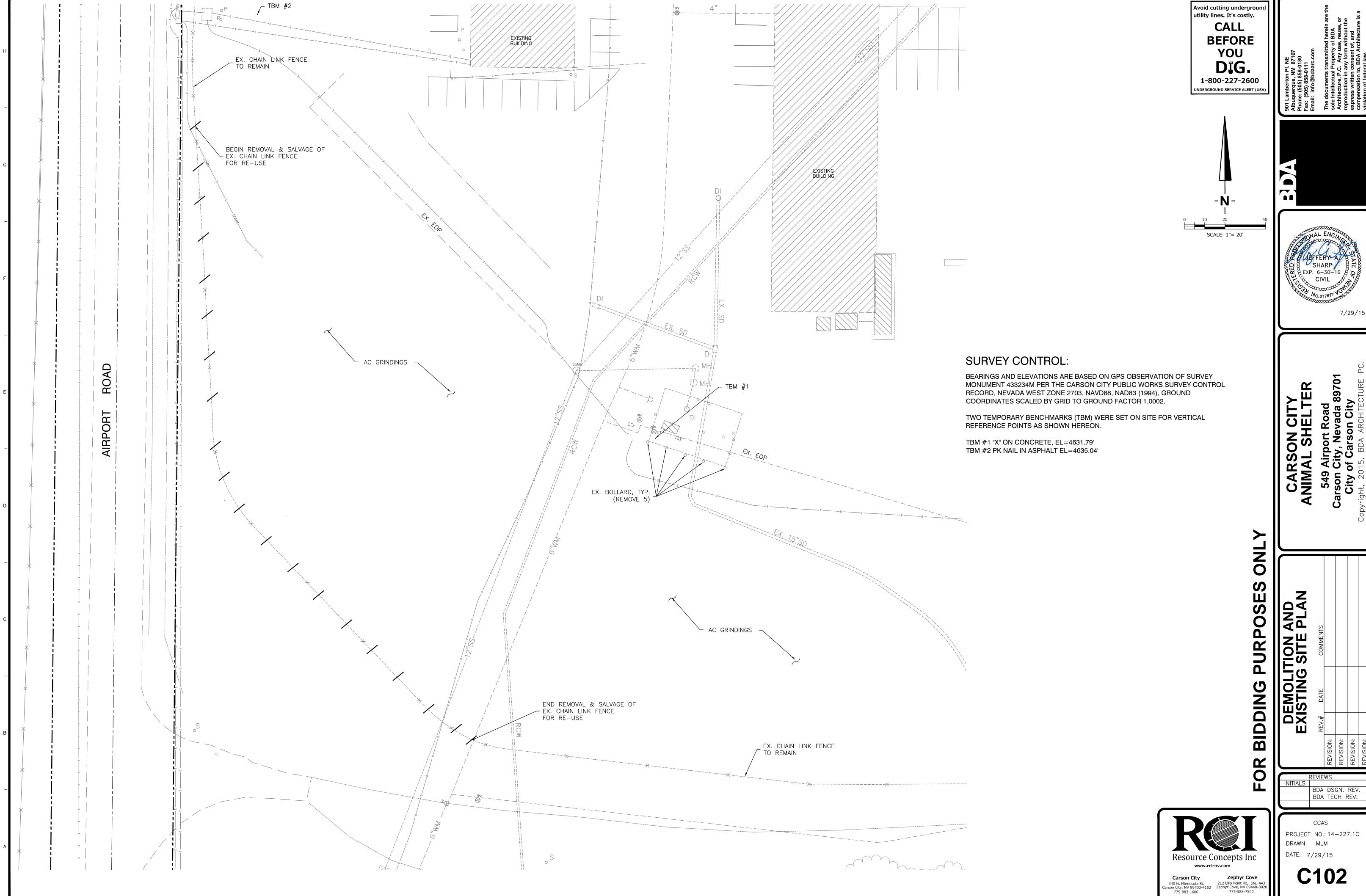
Resource Concepts Inc www.rci-nv.com
 Carson City
 Zephyr Cove

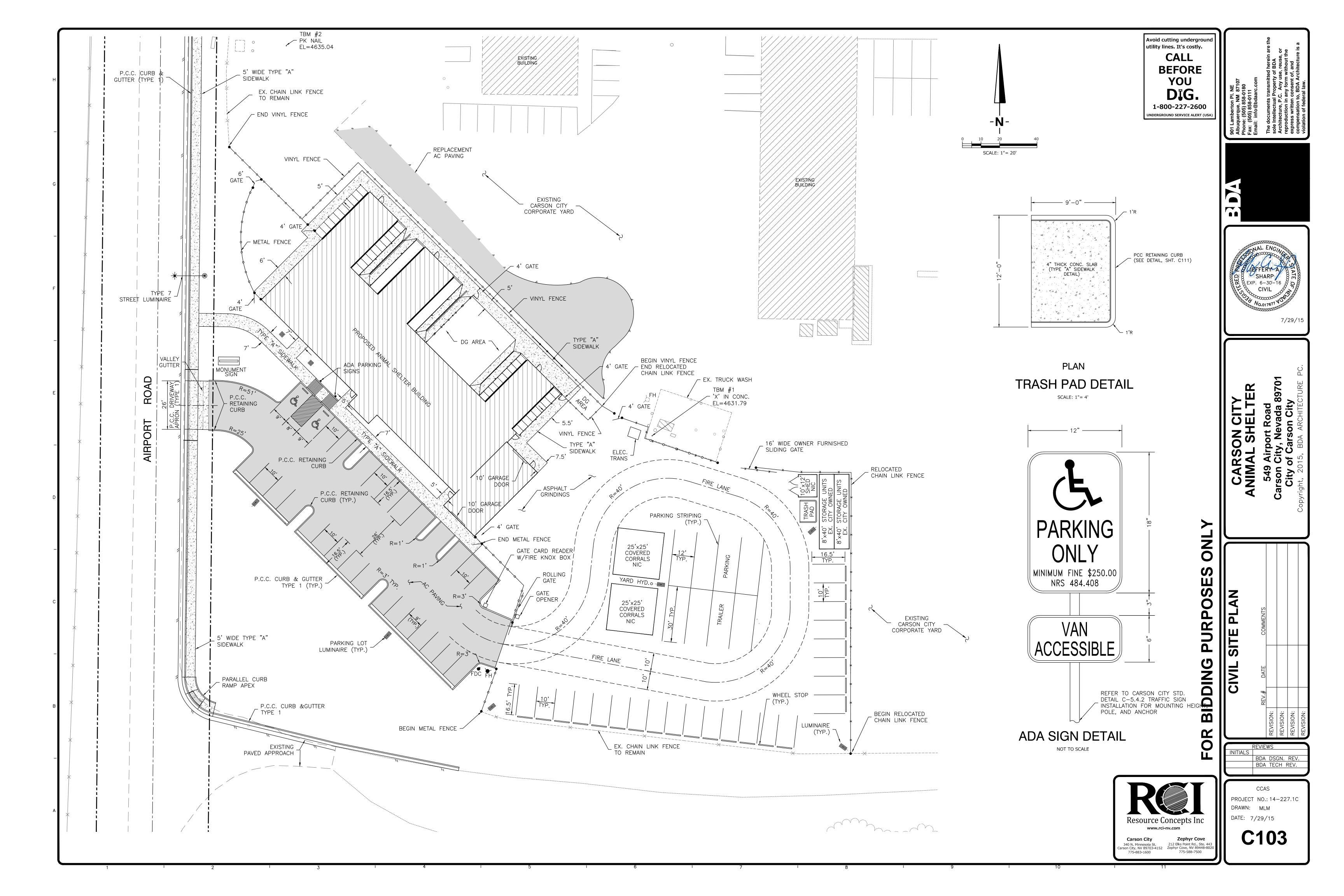
 340 N. Minnesota St.
 212 Elks Point Rd., Ste. 443

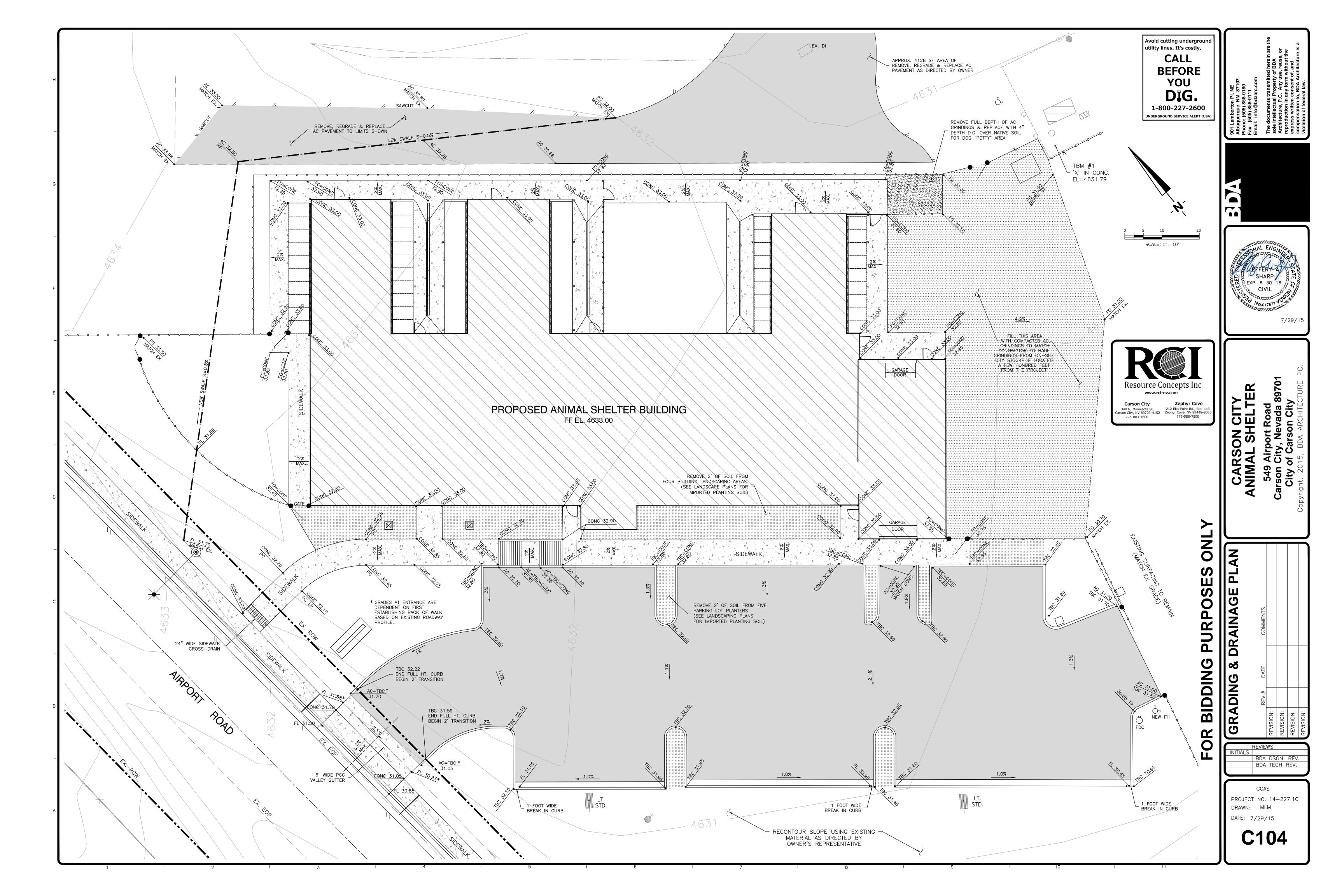
 Carson City, NV 89703-4152
 Zephyr Cove, NV 89448-8020

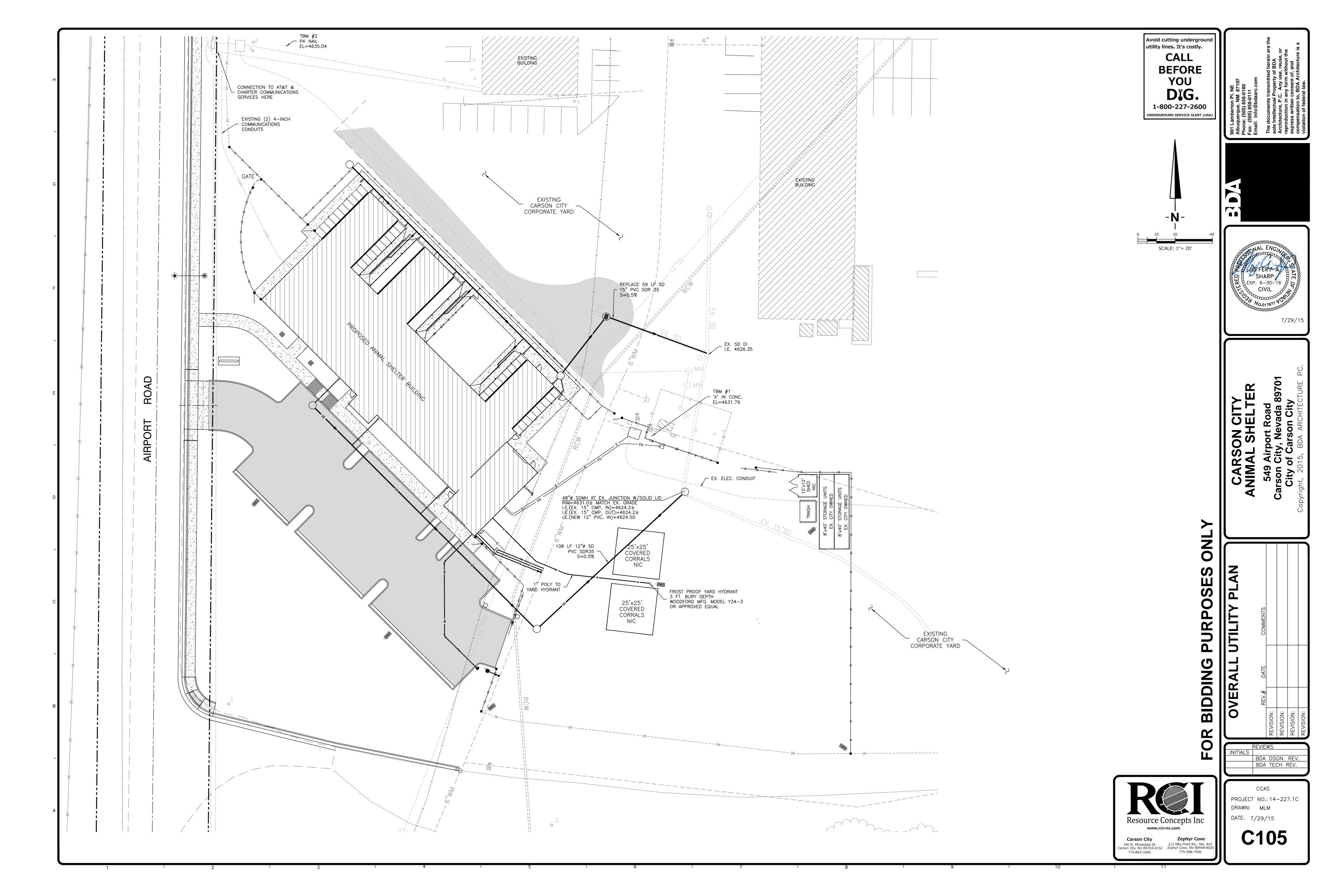
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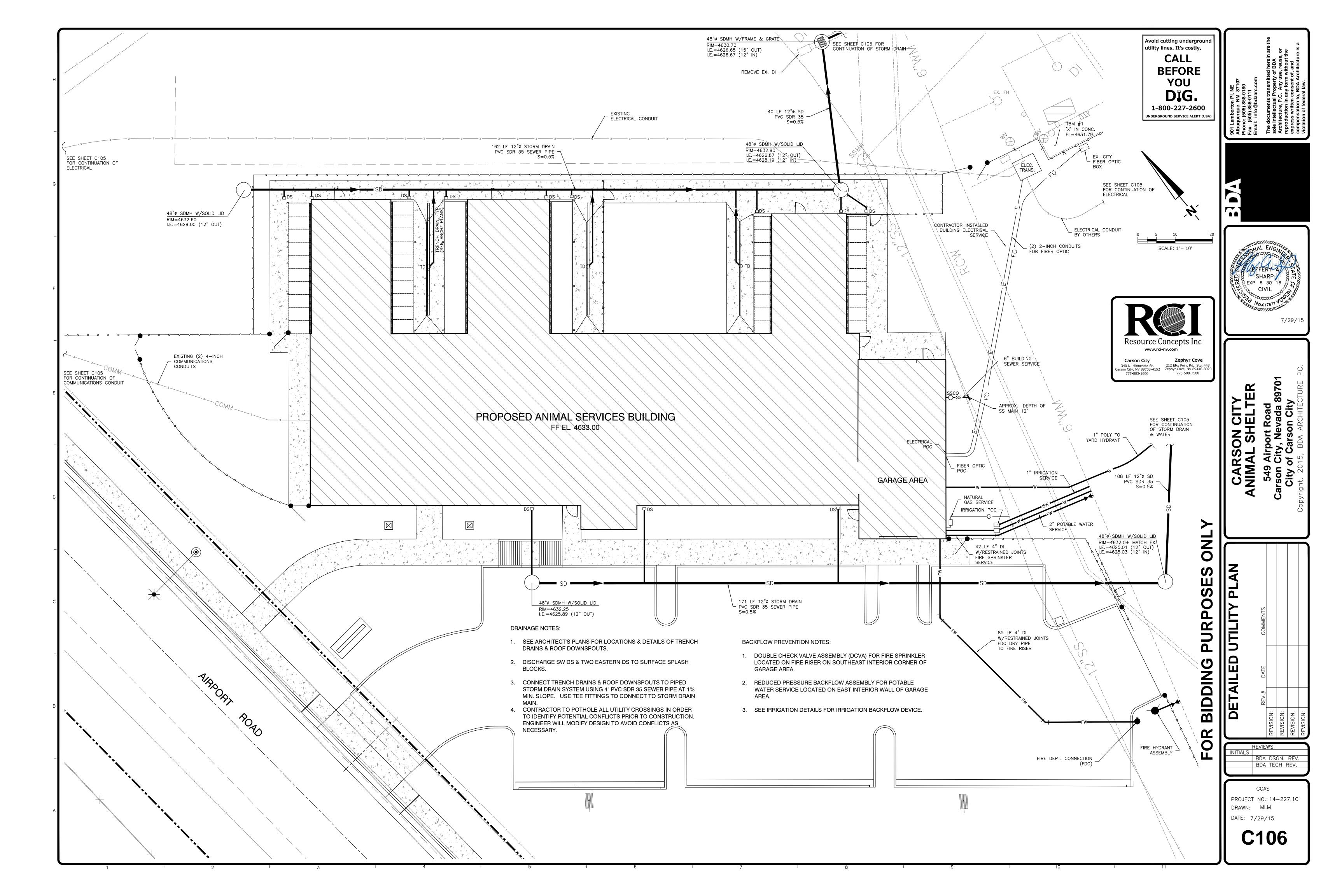
BDA DSGN. REV. BDA TECH REV. PROJECT NO.: 14-227.1C DRAWN: MLM
DATE: 7/29/15

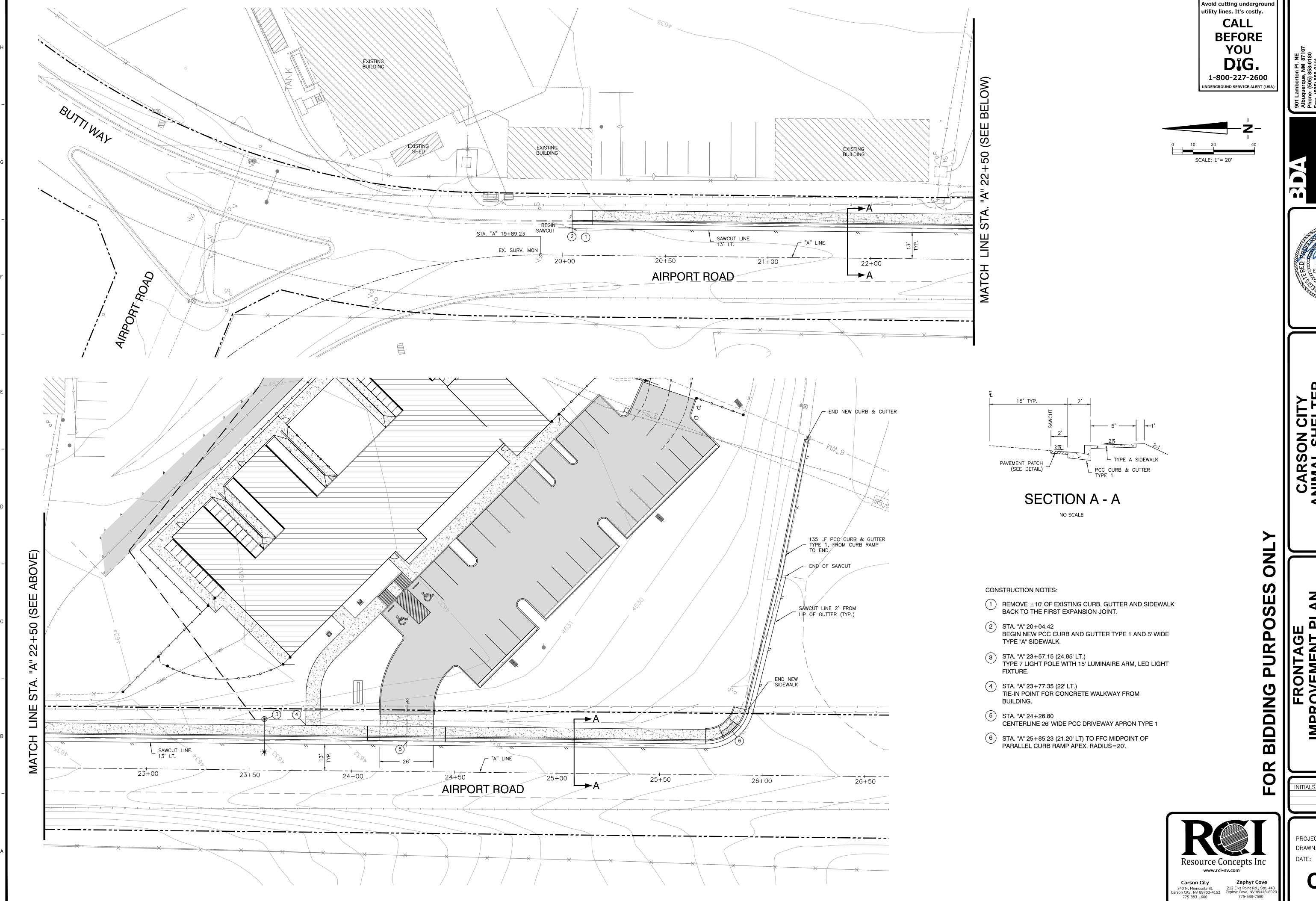














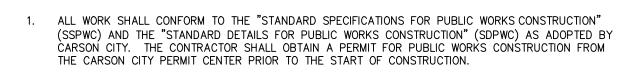




BDA DSGN. REV. BDA TECH REV.

DATE: 7/29/15

PROJECT NO.: 14-227.1C DRAWN: MLM



- ALL TRAFFIC CONTROL AND BARRICADING WITHIN THE CARSON CITY RIGHT-OF-WAY SHALL CONFORM TO SECTION 100.33, 332.04 AND 332.05 OF THE STANDARD SPECIFICATIONS, PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND THE UNR T2 CENTER, TEMPORARY TRAFFIC CONTROL GUIDELINES LATEST EDITION. A TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CARSON CITY ENGINEERING DIVISION PRIOR TO ANY STREET CLOSURES.
- THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT "CALL BEFORE YOU DIG" (811) OR (1-800-227-2600) AT LEAST TWO (2) WORKING DAYS PRIOR TO START OF CONSTRUCTION AND COMPLY WITH THE REQUIREMENTS OF NRS AND NAC 455 THROUGHOUT THE COURSE OF THE WORK, SEWER SERVICE LATERALS ARE NOT OWNED OR MARKED BY CARSON CITY.
- THE CONTRACTOR SHALL CALL THE CARSON CITY ENGINEERING DIVISION (887-2300) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CALL ONE (1) WORKING DAY PRIOR TO REQUIRED INSPECTIONS AND TESTING. THE REQUIRED INSPECTIONS AND TESTING ARE LISTED ON THE INSPECTION RECORD ISSUED WITH EACH PERMIT. THE CONTRACTOR MUST HAVE THE PERMIT NUMBER AND THE DESCRIPTION LISTED ON THE INSPECTION RECORD TO SCHEDULE REQUIRED INSPECTIONS AND TESTING. FOR CITY CONTRACTED PROJECTS, THE CONTRACTOR SHALL SCHEDULE INSPECTIONS PER THE CONTRACT DOCUMENTS.
- FINAL INSPECTIONS WILL BE PERFORMED BY CARSON CITY ENGINEERING DIVISION ACCORDING TO THE CARSON CITY INSPECTIONS AND TESTING PROCEDURES. NOTE: THESE PROCEDURES REQUIRE SUBMITTAL OF RECORD DRAWING PRINTS BY THE CONTRACTOR AND 10 WORKING DAYS TO PREPARE A FINAL PUNCH LIST. ALL CONDITIONS OF THE FINAL INSPECTION MUST BE COMPLETED PRIOR TO FINAL ACCEPTANCE OR ANY APPROVAL OF A CERTIFICATE OF OCCUPANCY BY THE CARSON CITY ENGINEERING DIVISION.
- MODIFICATIONS TO THE APPROVED PLANS REQUIRES REVIEW AND APPROVAL BY THE CARSON CITY ENGINEERING DIVISION. WORK PERFORMED WITHOUT WRITTEN APPROVAL BY CARSON CITY ENGINEERING WILL REQUIRE REMOVAL AT THE CONTRACTORS EXPENSE.
- 6. THE APPROVED PLAN, PERMIT AND INSPECTION RECORD MUST BE ON THE JOB SITE AT ALL TIMES.
- 7. PLAN APPROVAL FOR SEWER AND WATER CONSTRUCTION SHALL EXPIRE ONE YEAR FROM DATE OF APPROVAL UNLESS CONSTRUCTION HAS BEEN INITIATED. (CCMC 12.06.180F, 12.01.140D)
- 8. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR ACQUIRING A STORMWATER DISCHARGE PERMIT FROM THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION (NDEP) INCLUDING DEVELOPING, SUBMITTING AND IMPLEMENTING A STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL DEVELOP, PLACE AND MAINTAIN STORM WATER PROTECTION DEVICES IN COMPLIANCE WITH THE NEVADA CONTRACTORS FIELD GUIDE FOR CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (JUNE 2008).

	BACKFILL TO SUBGRADE IF TRENCH IS IN AN EXISTING PAVEMENT. BACKFILL TO ORIGINAL GROUND IF TRENCH IS OUTSIDE EXISTING PAVEMENT (SEE NOTES 1., 2. & 6.) WARNING TAPE - NON METALLIC (SEE NOTE 7.)
	BACKFILL ORIGINAL GROUND IF TRENCH IS OUTSIDE EXISTING PAVEMENT (SEE NOTES 1., 2. & 6.) WARNING TAPE — NON METALLIC (SEE NOTE 7.) TRACER WIRE FOR WATER LINES, RECLAIMED WATER LINES, SEWER FORCE MAINS AND SEWER LATERALS (SEE NOTE 8.) EDDING MATERIAL — CLASS "A" ACKFILL (SEE NOTE 3.)
	TRENCH SUBGRADE (SEE NOTE 4.) 12" PIPE 12" O.D. MINIMUM TRENCH EXCAVATION LIMITS
	TYPICAL TRENCH SECTION NOTES:
1.	WATER DENSIFIED BACKFILL AND TUNNELING SHALL BE BY SPECIAL PROVISION ONLY.
2.	BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF CLASS E BACKFILL AS SPECIFIED IN SUBSECTION 200.03.06 OF THE SSPWC. MATERIAL SHALL BE PLACED IN LIFT THICKNESS SPECIFIED IN SUBSECTION 305.10 OF THE SSPWC AND DENSIFIED TO 90% RELATIVE COMPACTION.
3.	BEDDING SHALL CONFORM TO THE REQUIREMENTS OF CLASS A BACKFILL AS SPECIFIED IN SUBSECTION 200.03.02 OF THE SSPWC. MATERIAL SHALL BE DENSIFIED TO 90% RELATIVE COMPACTION.
4.	PLANS SHALL INCLUDE A DETAIL FOR SUBGRADE STABILIZATION INCLUDING BACKFILL MATERIAL, STRUCTURAL GEOTEXTILE FILTER FABRIC AND MODIFIED CUTOFF COLLARS WHEN POTENTIAL FOR UNSTABLE SUBGRADES EXIST, SUBJECT TO THE APPROVAL OF THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
5.	FOR TRENCHES IN ROADWAY SECTION, SEE PAVEMENT PATCH DETAIL (DWG. No. C-5.1.6).
6.	FOR THE PURPOSE OF PAYMENT; EXCAVATION AND BACKFILL QUANTITIES ARE BASED ON THESE

STANDARD DRAWINGS, AND NO ADDITIONAL COMPENSATION WILL BE MADE. SHORING OR SLOPED CUT

7. PLACE NON METALLIC WARNING TAPE 1 FOOT ABOVE ALL BURIED PIPES AND CONDUITS.

CONFORM TO THE LATEST O.S.H.A. REQUIREMENTS.

APPROVED BY: 🛭

SLOPES MAY BE NECESSARY, BUT THERE WILL BE NO ADDITIONAL PAYMENT. ALL EXCAVATIONS SHALL

TRACER WIRE SHALL BE 12 GAUGE (MINIMUM THICKNESS) INSULATED SOLID COPPER OR COPPER-CLAD

INSULATION THICKNESS FOR BORING APPLICATIONS. SPLICES SHALL BE CONNECTED BY WIRE NUTS, SEALED

WITH AQUA SEAL OR SILICON FILLED, AND DOUBLE WRAPPED WITH U/L LISTED ELECTRICAL TAPE. TRACER

TRENCH EXCAVATION

AND BACKFILL

CARSON CITY

DRAWING NO.

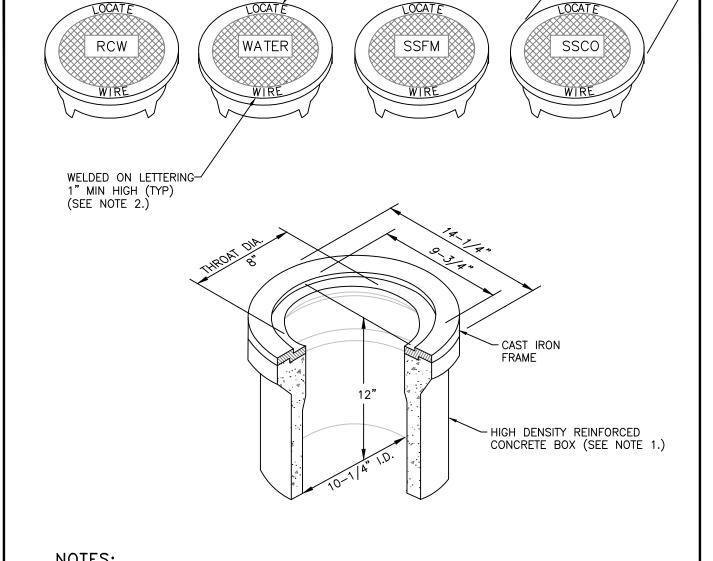
7/2009

-1.2.1

STEEL CORE WIRE. INSULATION SHALL BE 30 MIL HDPE. PLANS SHALL SPECIFY WIRE STRENGTH AND

WIRE COLOR SHALL BE, BLUE FOR WATER, PURPLE FOR RECLAIMED WATER, AND GREEN FOR SEWER.

NO. REVISION DATE STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION SECTION



-EPOXY COATED LID

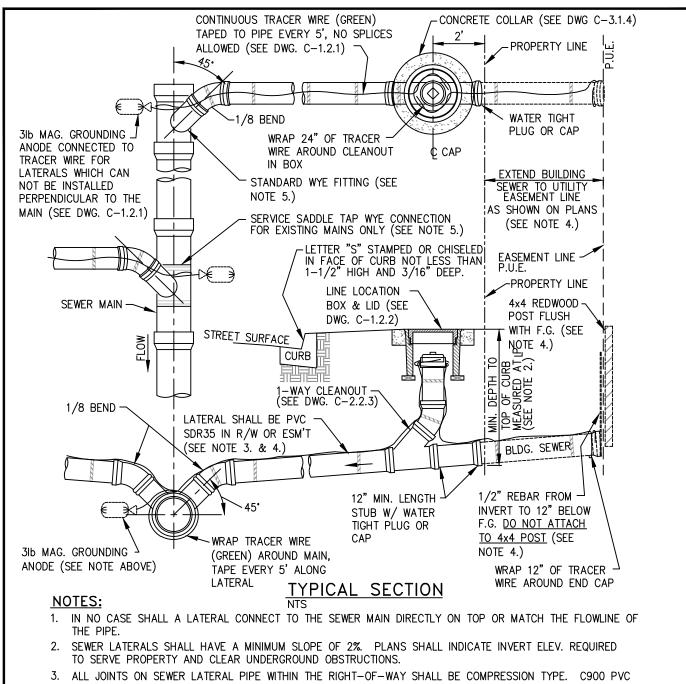
2. AND 3.)

TYP. (SEE NOTES 1.

/= 9-5/8" (TYP)

- 1. BOX AND LID SHALL BE TRAFFIC RATED WITH A MINIMUM INSIDE DIAMETER OF 10 INCHES (CHRISTY G3 TRAFFIC VALVE BOX & LID).
- 2. CAST IRON LID SHALL BE MARKED AT THE FACTORY "LOCATE WIRE", AND "WATER" FOR WATER APPLICATIONS, "RCW" FOR RECLAIMED WATER APPLICATIONS, "SSFM" FOR SANITARY SEWER FORCE MAIN APPLICATIONS, AND "SSCO" FOR SANITARY SEWER CLEANOUT APPLICATIONS.
- 3. CAST IRON LID SHALL BE EPOXY COATED AT THE FACTORY, OR POWDER COATED, COLOR SHALL BE BLUE FOR WATER APPLICATIONS, PURPLE FOR RECLAIMED WATER APPLICATIONS AND GREEN FOR SANITARY SEWER APPLICATIONS.
- 4. BOX SHALL BE SET OR ADJUSTED TO GRADE PER DRAWING NO. C-3.1.4, RISER FOR ADJUSTED BOX SHALL BE PER DRAWING NO. C-3.1.4 FOR OVERLAY ADJUSTMENTS, RISER WILL NOT REQUIRE REPLACEMENT OR EXTENSION IF IT EXTENDS A MINIMUM OF 2 INCHES INTO ADJUSTED BOX.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			LINE LOCATION	CARSON CITY DRAWING NO. C-1.2.2 (306,307)
APPROV	ED BY: . Ø	7/09	BOX & LID	DATE 7/2009



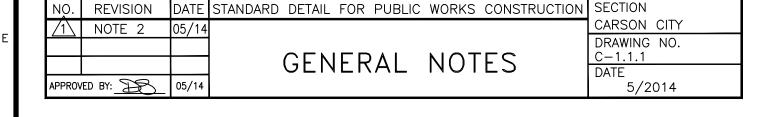
MAY BE SUBSTITUTED FOR SDR35 TO MEET NDEP BSDW SEPARATIONS. 4. LATERAL SHALL BE PERPENDICULAR TO THE MAIN AND EXTEND TO PROPERTY LINE. WHEN SHOWN ON PLANS TO INSTALL BUILDING SEWER PRIOR TO PUBLIC UTILITIES, INSTALLATION OF BUILDING SEWER IS EXTENDED TO UTILITY EASEMENT LINE AND STANDARD WATERTIGHT PLUG OR CAP, REDWOOD POST AND REBAR SHALL BE

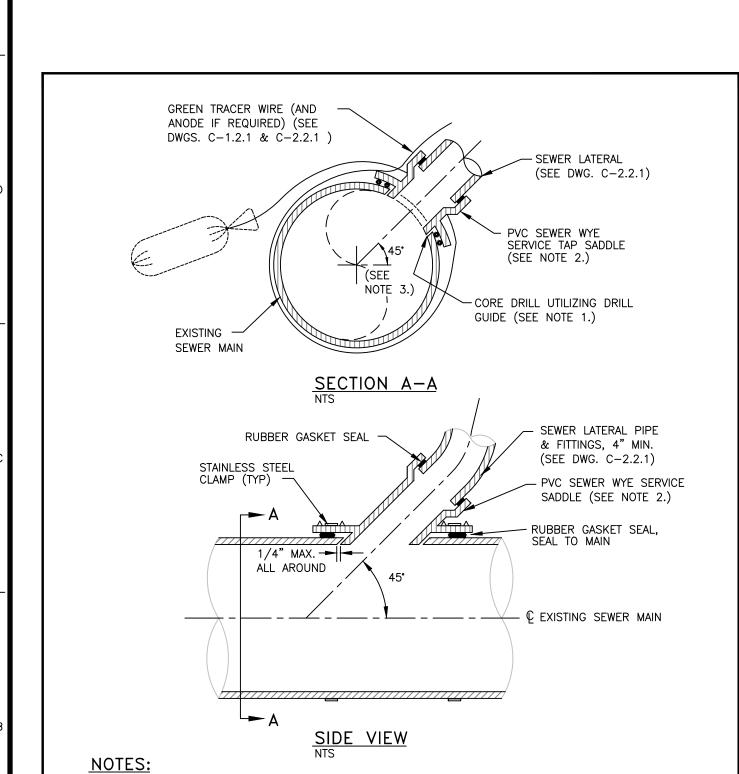
5. USE OF SEWER SERVICE TAP SADDLE CONNECTIONS SHALL NOT BE ALLOWED FOR NEW SEWER MAIN CONSTRUCTION. WHEN A TAP SADDLE CONNECTION IS TO BE USED ON AN EXISTING SEWER MAIN, IT SHALL BE A WYE SADDLE AND BE INSTALLED PER DWG. C-2.2.2.

6. DISCONTINUANCE OF USE OF AN EXISTING SEWER LATERAL REQUIRES ABANDONMENT OF THE LATERAL. CUT, REMOVE 1 FOOT OF EXISTING LATERAL AND CAP BOTH ENDS OF THE EXISTING SEWER LATERAL TO BE ABANDONED WITHIN 6 INCHES OF THE SEWER MAIN. INSPECTION BY CARSON CITY SEWER UTILITY IS REQUIRED

. PROPERTY OWNER SHALL BE RESPONSIBLE FOR OPERATION, MAINTENANCE AND REPAIR OF THE SEWER

	LATERAL W	ITHIN TH	HE PUBLIC RIGHT-OF-WAY PER CCMC 12.05.050.5.	
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
			SEWER LATERAL	DRAWING NO.
			SEWER LAIERAL	C-2.2.1 (203,306)
APPRO	OVED BY:	07/09		DATE 7/2009





<u> </u>	NOTE 2	7/12	SEWER SERVICE	CARSON CI	0.
APPROV	/ED BY:	7/09	TAP SADDLE	C-2.2.2 DATE 7/20	<u>(203,306)</u> 09

EXISTING SEWER MAINS SHALL BE CORE DRILLED UTILIZING A DRILL GUIDE FOR A WYE SADDLE AND

CORE DRILL WITH A LENGTH EXCEEDING THE LATERAL DIAMETER, INSERT-A-DRILL IDY75 & EXTRA LONG

SERVICE TAP SADDLES SHALL BE PVC SEWER WYE SADDLES. A ROMAC STYLE "CB" SEWER SADDLE OR / 1

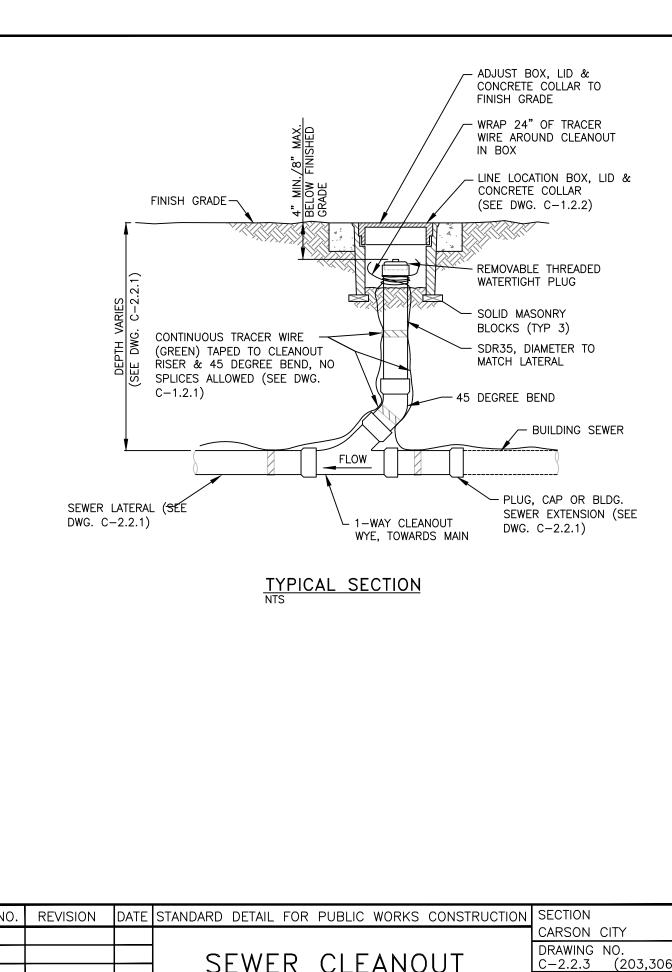
SADDLES SHALL BE INSTALLED AT 45 DEGREES TO MAIN AS SHOWN IN SECTION A-A. IN NO CASE SHALL A

LATERAL CONNECTING TO THE EXISTING SEWER MAIN BE LOCATED DIRECTLY ON TOP OF THE PIPE, NOR

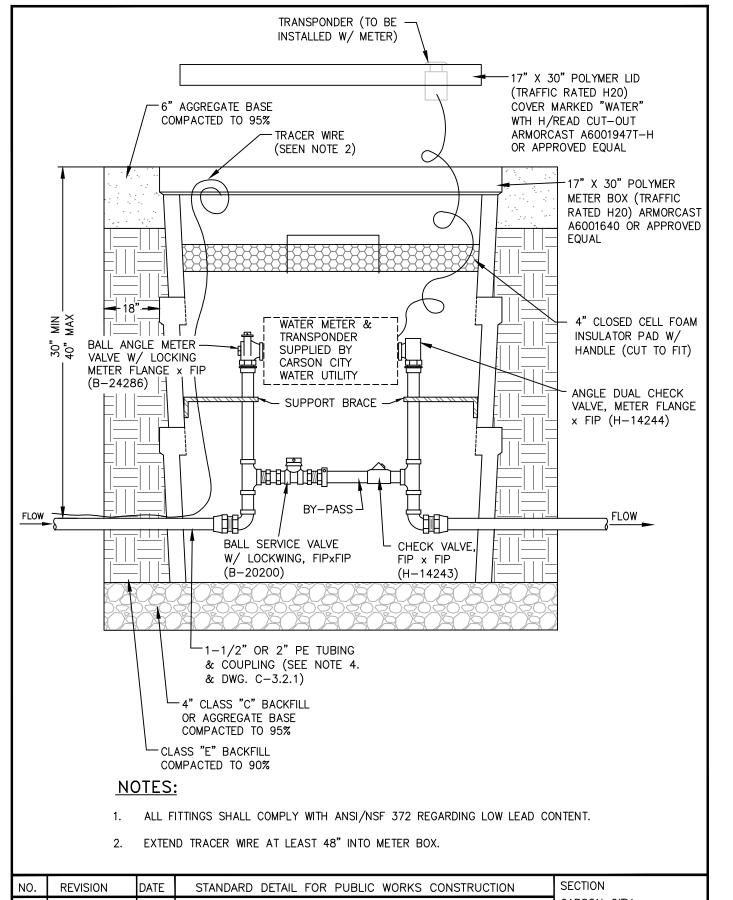
HOLE SAW OR APPROVED EQUAL. DIAMOND CORE BITS SHALL BE USED ON NON-PVC MAINS.

APPROVED EQUAL MAY BE USED ON EXISTING SEWER MAINS ONLY WHEN MAIN IS NOT PVC.

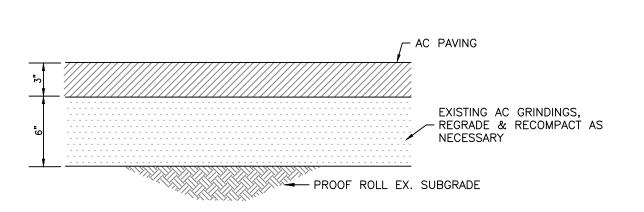
SHALL IT MATCH THE FLOWLINE OF THE PIPE.



			SEW	/ ER	CLEANOUT		C-2.2.3 DATE	(203,306)
			\ \ \ \	/ F R	$(A + \Delta N())$		l C-2.2.3	(203,306)
			ОГ .,	/ E D			DRAWING	
							CARSON	CITY
NO. RE	EVISION	DATE	STANDARD DET	AIL FOR	PUBLIC WORKS CONSTRUC	CTION	SECTION	



CARSON CITY DRAWING NO. C-3.2.5.1 (203, 307) APPROVED BY: 5/2014



NOTE: DEPTHS SHOWN ARE MINIMUM COMPACTED THICKNESS TYPICAL SITE PAVEMENT SECTION

NO SCALE

' **a a** |

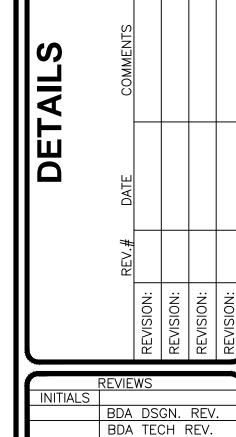
SHARP

EXP. 6-30-16

CIVIL

7/29/15



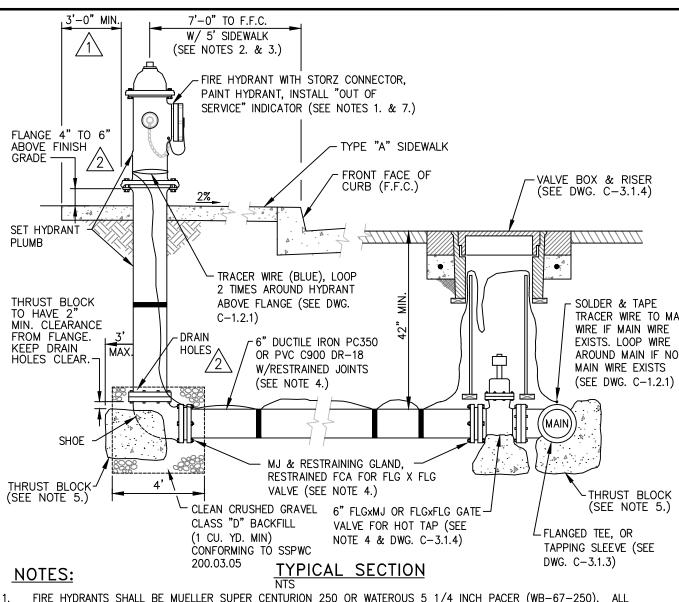


PROJECT NO.: 14-227.1C DRAWN: MLM DATE: 7/29/15

Resource Concepts Inc Carson City Zephyr Cove 340 N. Minnesota St. Carson City, NV 89703-4152 Zephyr Cove, NV 89448-802 775-883-1600 775-588-7500

- WATER MAIN SHUTDOWNS/INTERRUPTION OF WATER/FIRE SERVICE: OBTAIN TENTATIVE APPROVAL FROM CARSON CITY WATER UTILITY PRIOR TO PLANNING A SHUTDOWN. APPROVAL IS REQUIRED ONE WORKING DAY PRIOR TO NOTIFICATION OF CUSTOMERS. COMMERCIAL CUSTOMERS SHALL RECEIVE 2 WORKING DAYS WRITTEN AND VERBAL NOTICE OF A SHUTDOWN. SPECIAL ARRANGEMENTS INCLUDING NIGHT TIME SHUTDOWNS MAY BE REQUIRED OF THE CONTRACTOR TO ACCOMMODATE CUSTOMER OPERATIONS. RESIDENTIAL CUSTOMERS SHALL RECEIVE 24 HOURS WRITTEN NOTICE. WHEN WORK IS PERFORMED BY CITY STAFF, THE CITY IS RESPONSIBLE FOR THE NOTIFICATION. THE CONTRACTOR IS RESPONSIBLE IN ALL OTHER CASES. A LIST SHALL BE KEPT BY THE RESPONSIBLE PARTY LISTING THE DATE, TIME AND ADDRESS OF ALL PERSONS NOTIFIED. THE PERSON NOTIFIED SHALL BE INCLUDED ON THE LIST FOR ALL COMMERCIAL CUSTOMERS. CONTACT CARSON CITY WATER UTILITY FOR PHONE NUMBERS WHEN COMMERCIAL CUSTOMERS CANNOT BE LOCATED. THE CONTRACTOR WILL BE SUBJECT TO DAMAGE CLAIMS SHOULD THEY FAIL TO NOTIFY CUSTOMERS OR MAINTAIN DOCUMENTATION OF NOTIFICATION OF CUSTOMERS. THE TOTAL TIME OF ANY WATER SERVICE INTERRUPTION IS LIMITED TO 4 HOURS MAXIMUM. THE CONTRACTOR SHALL NOT OPERATE ANY EXISTING WATER VALVES. WATER MAIN SHUTDOWNS WILL ONLY BE SCHEDULED FOR TUESDAYS. WEDNESDAYS. OR THURSDAYS. EXCLUDING THE WORKING DAYS BEFORE AND AFTER A HOLIDAY. CONTRACTOR SHALL MAKE A WRITTEN REQUEST, TO THE WATER OPERATIONS CHIEF, A MINIMUM OF 10 CALENDAR DAYS IN ADVANCE OF ANY PLANNED SHUTDOWN.
- WATER MAINS (6 INCH THRU 12 INCH) SHALL BE PVC C900, DR 18 (MINIMUM WALL THICKNESS) UNLESS HIGHER PRESSURE IS SPECIFIED ON THE PLANS. WATER SERVICES 2 INCHES OR LESS SHALL BE CTS, PE TUBING MINIMUM 200 PSI; WATER SERVICES 3 INCHES OR GREATER SHALL BE 4 INCH MINIMUM DIAMETER PVC C900, DR 18 OR AS SPECIFIED ON THE PLANS.
- MAINTAIN 18 INCHES VERTICAL AND 5 FEET HORIZONTAL SEPARATION BETWEEN ALL UNDERGROUND UTILITY LINES AND WATER LINES. IF WATER LINE IS BELOW POWER LINE OR IS WITHIN 18 INCH VERTICAL SEPARATION OF POWER LINE, POWER/TELEPHONE LINE SHALL BE ENCASED WITH 4 INCHES MINIMUM OF CONCRETE EXTENDING 5 FEET EACH SIDE OF CROSSING. (SEE NV ENERGY SPECS.) CONCRETE ENCASEMENT OF WATER LINES IS NOT ALLOWED.
- 🖔 4. ALL HOT TAPS, GREATER THAN 2 INCHES AND LESS THAN 12 INCHES, ARE TO BE PERFORMED BY CARSON CITY WATER UTILITY. THE CONTRACTOR SHALL CONTACT THE WATER OPERATIONS CHIEF AT LEAST 2 WORKING DAYS PRIOR TO SCHEDULING HOT TAP DATE AND TIME (HOT TAPS ARE PERFORMED TUESDAY THRU THURSDAY EXCLUDING THE WORKING DAYS BEFORE AND AFTER A HOLIDAY). PRIOR TO HOT TAPPING, THE SADDLE SHALL BE HYDROSTATICALLY PRESSURE TESTED TO 150 PSI MINIMUM OR THE DESIGN OF PIPE SYSTEM FOR A MINIMUM OF 5 MINUTES. THE TEST SHALL BE PERFORMED IN THE PRESENCE OF THE WATER UTILITY PERSONNEL PRIOR TO PERFORMING THE TAP. ALL TAPPING EQUIPMENT SHALL BE DISINFECTED AND INSPECTED BY CITY FORCES PRIOR TO TAPPING A CITY MAIN.
- WATER VALVE MARKERS SHALL BE BLUE CARSONITE UTILITY MARKER (CUM-375), 5 FEET-2 INCHES (5'-2") WITH CARSON CITY WATER VALVE DECAL (CWV-116) OR APPROVED EQUAL. PLACE MARKER NO MORE THAN 5 FEET FROM THE VALVE OR AS DIRECTED BY THE CARSON CITY INSPECTOR.
- REDUCED PRESSURE PRINCIPLE AND DOUBLE CHECK VALVE BACKFLOW ASSEMBLIES SHALL BE APPROVED BY THE CARSON CITY INSPECTOR, AND TESTED BY A CERTIFIED BACKFLOW ASSEMBLY TESTER, AND TEST RESULTS SHALL BE APPROVED BY CARSON CITY WATER UTILITY. FOR NEW WATER METER SETS. THE REQUIRED BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED, INSPECTED. APPROVED AND CERTIFIED TEST RESULTS PROVIDED TO THE CARSON CITY INSPECTOR WITHIN 5 DAYS OF METER SET, UNLESS THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR APPROVES OTHERWISE. THE SERVICE WILL BE LOCKED OFF IF INSPECTIONS AND CERTIFICATIONS ARE NOT COMPLETED AS SPECIFIED ABOVE. A 25 DOLLAR FEE WILL BE ASSESSED AT TIME OF TURN-ON WHEN LOCK IS REMOVED DURING NORMAL WORKING HOURS. THE FEE WILL BE ASSESSED ON THE BUILDING PERMIT FOR THE INSTALLATION OF THE BACKFLOW DEVICE.
- ALL WATER MAIN, WATER/FIRE SERVICE, AND BACKFLOW PREVENTION INSPECTIONS AND TESTING MUST BE APPROVED PRIOR TO APPROVAL OF ANY CERTIFICATE OF OCCUPANCY.
- 8. DISINFECTION TABLETS SHALL BE PLACED USING TITEBOND MULTI-PURPOSE CLEAR 100% SILICONE OR APPROVED EQUAL FOOD GRADE SILICONE

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
/1\	NOTE 4	05/14		CARSON CITY
			WATER	DRAWING NO. C-3.1.1 (307)
			GENERAL NOTES	DATE
APPROV	ED BY:	05/14		5/2014



FIRE HYDRANTS SHALL BE MUELLER SUPER CENTURION 250 OR WATEROUS 5 1/4 INCH PACER (WB-67-250). ALL HYDRANTS SHALL HAVE HARRINGTON HIHS 5 INCH INTEGRAL HYDRANT STORZ, OR APPROVED EQUAL, WITH BLIND CAP & CABLE AND "OUT OF SERVICE" INDICATOR. OPERATING NUT SHALL BE 1-1/2 INCH PENTAGON. VALVE OPENING SHALL BE 5-1/4 INCHES AND OPEN COUNTER-CLOCKWISE. HYDRANTS SHALL HAVE (2) 2-1/2 INCH HOSE NOZZLES WITH AMERICAN NATIONAL HOSE COUPLING THREADS, (NO SUBSTITUTIONS).

HYDRANT SHALL BE INSTALLED SO AS TO PROVIDE CLEARANCE IN ALL DIRECTIONS PER DWG. C-3.1.7.1. FOR 9 FEET-0 INCHES OR WIDER SIDEWALK OR OFFSET SIDEWALK, HYDRANT SHALL BE 2 FEET-0 INCHES TO FRONT FACE OF CURB. IF SIDEWALK IS NOT PRESENT, HYDRANT SHALL BE LOCATED 7 FEET-0 INCHES TO FRONT FACE OF CURB,

RESTRAINING GLANDS SHALL BE ROMAC GRIPRING PIPE RESTRAINER FOR MECHANICAL JOINT VALVES OR ROMAC RESTRAINED FCA FOR FLANGED VALVES OR APPROVED EQUAL. PIPE RESTRAINT SHALL BE ROMAC "600" SERIES RESTRAINING SYSTEM OR APPROVED EQUAL. RESTRAINING DEVICES SHALL BE FULL CIRCLE (NON POINT) LOADING TYPE. HYDRANT SHOE MAY BE AQUAGRIP, RESTRAINED MECHANICAL JOINT (MJ) OR APPROVED EQUAL.

THRUST BLOCKS SHALL HAVE THREE (3) SQUARE FEET MINIMUM AREA AND SHALL BE FORMED AGAINST UNDISTURBED NATIVE OR BACKFILL COMPACTED TO 95%, AND CONFORM TO DWG. C-3.1.14. NO CONCRETE ON HYDRANT DRAIN HOLES OR BOLTS. INSPECTION BY THE CARSON CITY INSPECTOR SHALL BE REQUIRED PRIOR TO BACKFILLING HYDRANTS SHALL BE PAINTED INTERNATIONAL ORANGE (RUST-OLEUM 7400 HIGH GLOSS ALKYD ENAMEL OR APPROVED EQUAL). DO NOT PAINT 5 INCH STORZ, CAP OR CABLE. RECLAIMED WATER HYDRANTS SHALL BE PAINTED PURPLE. INSTALL "OUT OF SERVICE" INDICATOR COLLAR ON 2-1/2 INCH NOZZLE. INDICATOR SHALL BE HIGHLY VISIBLE, YELLOW WITH BLACK LETTERS, 2-1/2 INCH MINIMUM WIDTH WITH 1 INCH LETTERS STATING "OUT OF SERVICE". INDICATOR SHALL BE "CALPICO" OR EQUAL

	AFFICOVED BY THE CANSON CITY ENGINEER OR FOREIC WORKS DIRECTOR.					
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION		
1	REVISED CONC.	01/14		CARSON CITY		
2	FLANGE HEIGHT	5/14	FIRE HYDRANT	DRAWING NO.		
			ASSEMBLY	C-3.1.7 (203,307) DATE		
APPRO\	/ED BY: EBS	5/2014				

MATERIAL SPECIFICATIONS

SHELL: 304 STAINLESS STEEL

GRADE 65-45-12.

LUGS: 304 STAINLESS STEEL BOLTS. WASHERS AND NUTS: NC ROLLED THREAD

GASKETS: VIRGIN SBR COMPOUNDED FOR WATER SERVICE. ASTM D2000-80MA 4AA607

304 STAINLESS STEEL, 5/8" DIAMETER.

FULL GASKET. 360° PIPE COVERAGE 150 PSI MIN. WORKING PRESSURE.

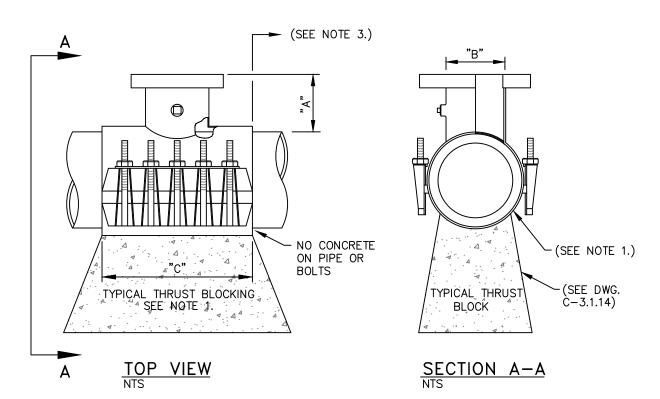
FLANGE: 304 STAINLESS STEEL OR HIGH TENSILE

PERFORMED BY CARSON CITY WATER UTILITY.

DUCTILE (NODULAR) IRON, ASTM A536-80,

NOM. FLANGE	Α	В	C	NO. BOLTS
4	4"	5-1/32"	16"	10
6*	4-1/2"	7-1/32"	16"	10
8*	4"	9-1/32"	20"	14
10	5-1/2"	11-1/32"	24"	16
12**	6-1/2"	13-1/32"	30"	30

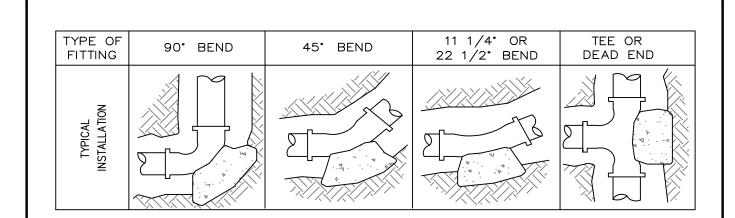
*TAPPING SLEEVES IN THE 24" NOMINAL PIPE SIZE RANGE WITH 6" OR 8" FLANGES ARE 24" LONG (C-DIMENSION) AND HAVE 24" BOLTS. **TAPPING SLEEVES IN THE 12" & 14" NOMINAL PIPE SIZE RANGE W/ 12" FLANGE ARE 24" LONG AND HAVE 24 BOLTS.



- 1. MATERIAL USED FOR THRUST BLOCKING SHALL NOT PREVENT ACCESS TO THE BOLT ASSEMBLY 2. POTABLE WATER HOT TAPS GREATER THAN 2 INCHES AND LESS THAN 14 INCHES SHALL BE
- 3. MINIMUM DISTANCE BETWEEN TAP SADDLE, COLLARS, JOINTS, SERVICE TAPS, ETC. SHALL BE 18 INCHES
- 4. SADDLE TO BE HYDROSTATICALLY PRESSURE TESTED BY THE CONTRACTOR, TO 150 PSI (MIN.) FOR A MINIMUM OF 5 MINUTES, WITNESSED BY CARSON CITY WATER UTILITY, PRIOR TO PERFORMING TAP.

5.	REFERENCE '	"WATER	GENERAL	NOTES"	DWG.	C-3.1.1	FOR	HOT-TAP	SCHEDULING INFORMATION.
						•			

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	•
				CARSON CITY
			TAPPING SLEEVE	DRAWING NO. C-3.1.3 (203,307)
APPROVI	ED BY:	07/09	17(111(0 0222)	DATE 7/2009

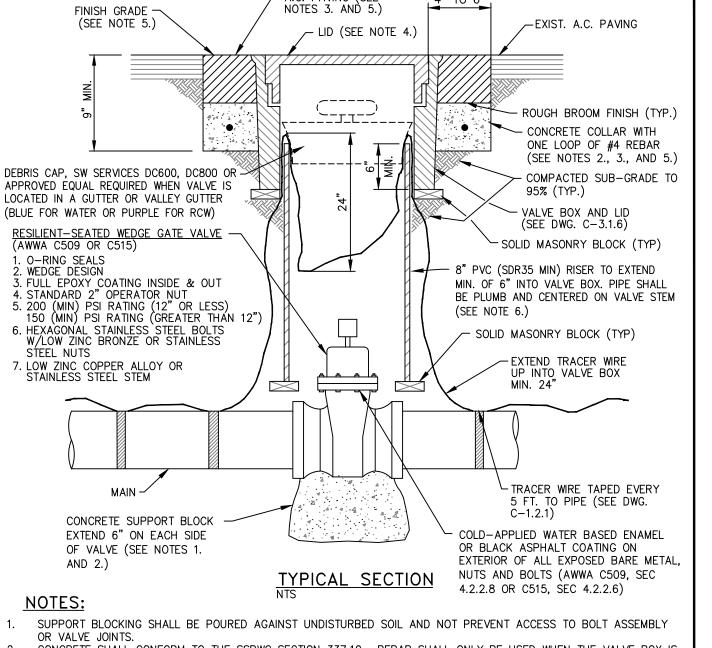


		THRUST	BLOCK BE	EARING ARE	EA (SQ. FT.)	
	E OF FING	90° BEND	45° BEND	11 1/4° OR 22 1/2° BEND	TEE OR DEAD END	TEE W/PLUG	CROSS W/PLUG
	4"	2	1	1	2	2	2
PIPE	6"	4	4	2	4	4	4
₫	8"	7	4	2	5	7	7
PP	10"	12	6	3	8	12	12
	12"	16	10	5	12	16	16
SIZE	14"	20	12	6	14	20	20
0,	16"	27	15	8	18	27	27
	18"	45	25	13	32	45	45
	24"	65	35	18	46	65	65

TYPE OF FITTING	CROSS W/PLUG	TEE W/PLUG
TYPICAL INSTALLATION		

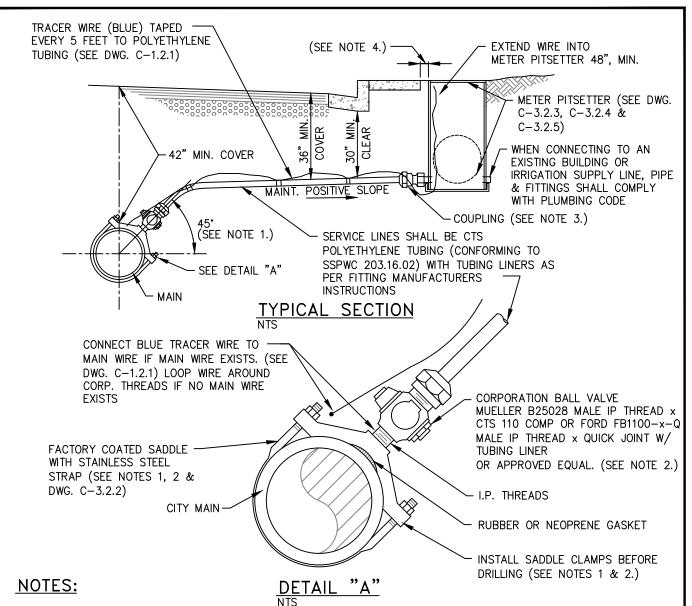
- 1. THRUST BLOCKS TO BE CONSTRUCTED OF CONCRETE CONFORMING TO 337.10 OF THE SSPWC AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI @ 28 DAYS.
- AREAS GIVEN ARE FOR CLASS 150 PIPE AT WORKING AND TESTING PRESSURE OF 150 P.S.I., WITH 2000 P.S.F. BEARING CAPACITY. INSTALLATIONS USING DIFFERENT PIPE, TEST PRESSURES, AND/OR SOIL TYPES SHOULD HAVE AREAS ADJUSTED ACCORDINGLY, SUBJECT TO THE APPROVAL OF THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
- THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED SOIL.
- 4 JOINTS FLANGES NUTS BOLTS AND FACE OF PLUG SHALL BE KEPT CLEAR OF CONCRETE

	4. JOIN 15	, FLANG	SES, NOTS, BOLTS AND FACE OF PLUG SHALL BE KEPT CLEAR OF CONCRE	IE.
٧٥.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
			THRUST BLOCKS	DRAWING NO. C-3.1.14
			I IIINOSI DEOCNS	DATE
PPROV	ED BY:	07/09		7/2009



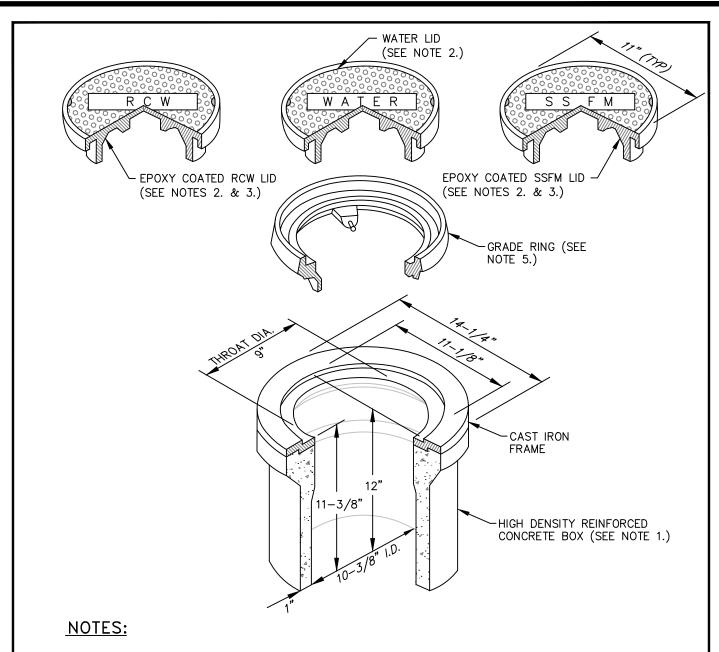
- CONCRETE SHALL CONFORM TO THE SSPWC SECTION 337.10. REBAR SHALL ONLY BE USED WHEN THE VALVE BOX IS LOCATED OUTSIDE PAVED AREAS.
- THE CONCRETE COLLAR SHALL BE LEFT 2 1/2 INCHES 3 INCHES BELOW FINISHED ASPHALT SURFACE. APPLY AN APPROVED TACK COAT (CONFORMING TO THE SSPWC SECTION 316) AND FILL VOID BETWEEN ADJACENT PAVEMENT AND FRAME WITH TYPE 3 PG 64-22 PAVING (CONFORMING TO THE SSPWC SECTION 320). APPLY FOG SEAL (CONFORMING TO THE SSPWC SECTION 317) TO THE ASPHALT SURFACE. ALL CUTS IN PAVING SHALL BE STRAIGHT ÀND EVEN. EXCEPTION: WHEN STRUCTURE NOT LOCATED IN ASPHALT PAVEMENT OR IN AN UNPAVED AREA, EXTEND CONCRETE TO FINISH GRADE.
- LIDS SHALL BE SET FLUSH WITH FINISH GRADE UNLESS OTHERWISE NOTED. WHEN LOCATED IN NDOT RIGHT-OF-WAY, CONCRETE COLLAR SHALL CONFORM TO NDOT STANDARD PLAN SHT R-4.3.3 AND STANDARD SPECIFICATION 609.
- RISER COLOR SHALL BE BLUE, OR SAME COLOR AS MAIN FOR WATER APPLICATIONS, PURPLE FOR RECLAIMED WATER APPLICATIONS, AND GREEN FOR SANITARY SEWER APPLICATIONS.

7.	VALVES ON FIRE	LINES	SHALL BE UL/FM APPROVED AND MEET ALL APPLICABLE NFPA REQU	IREMENTS.
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	
				CARSON CITY
				DRAWING NO.
			GATE VALVE	C-3.1.4 (203,307)
APPROV	/ED BY:	07/09		DATE 7/2009



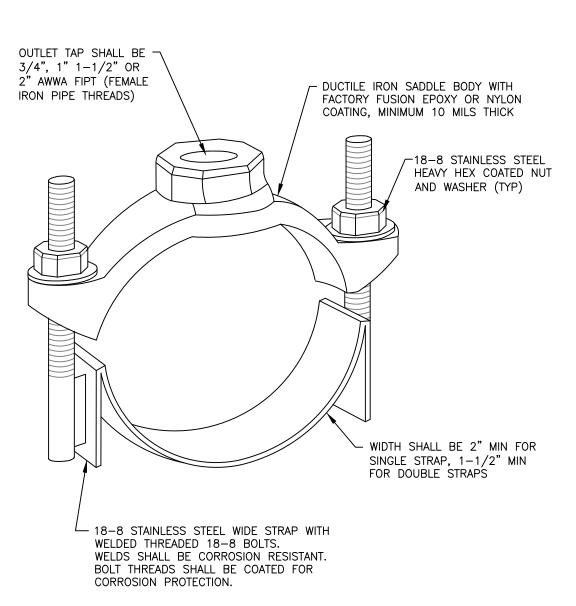
- MINIMUM DISTANCE BETWEEN TAPS AND MAINLINE FITTINGS, INCLUDING BELLS SHALL BE 18 INCHES. TAPPING SADDLE MUST BE AT 45 DEGREE ANGLE, EXCEPTIONS MUST BE APPROVED BY CARSON CITY WATER UTILITY.
- CORPORATION VALVES AND SERVICE SADDLES SHALL CONFORM TO AWWA C800 AND BE NO LESS THAN THE SERVICE LINE SIZE. WHEN REPLACING AN EXISTING SERVICE LINE AND A SIZE LARGER THAN SHOWN IS ENCOUNTERED, THE LARGER SIZE LINE, FITTINGS AND SADDLE SHALL BE INSTALLED UNLESS APPROVED BY CARSON CITY WATER UTILITY.
- COUPLING FITTING SHALL CONFORM TO AWWA C800 AND BE A MUELLER H-15451 CTS 110 COMP OR FORD C14-xx-Q QUICK JOINT W/ TUBING LINER x FEMALE IP THREAD OR APPROVED EQUAL.
- METER PITSETTERS TO BE PLACED 4 INCHES FROM BACK OF SIDEWALK IN AREAS WHERE SIDEWALK IS ADJACENT TO CURB, OR 6 INCHES FROM BACK OF CURB IN AREAS WHERE SIDEWALK IS OFFSET FROM CURB, OR AS DIRECTED BY CARSON CITY WATER UTILITY. IN AREAS WHERE NO CURB OR SIDEWALK IS PRESENT, METER PITSETTERS SHALL BE PLACED WITHIN THE RIGHT-OF-WAY AS SHOWN ON THE APPROVED PLANS.
- DISCONTINUANCE OF USE OF A SERVICE REQUIRES ABANDONMENT OF THE SERVICE. NOTIFY CARSON CITY PUBLIC WORKS FOR METER REMOVAL PRIOR TO PROCEEDING WITH ABANDONMENT. REMOVE EXISTING METER BOX AND EXPOSE CORP STOP AT MAIN FOR SHUT-OFF. ALL PIPING OR TUBING SHALL BE DISCONNECTED FROM CORP AND PLUGGED AT BOTH ENDS. CARSON CITY PUBLIC WORKS SHALL BE NOTIFIED FOR INSPECTION OF CORP ASSEMBLY PRIOR TO

	BACKFILLING.	. 0/1110	ion of Tobels house strike be not less told mar sollion of soll	NOOLIMBET THIOK TO
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			_ / . 11 11	CARSON CITY
			3/4" TO 2"	DRAWING NO.
			WATER SERVICE	C-3.2.1 (203,307) DATE
APPRO	VED BY:	07/09		7/2009



- 1. VALVE BOX AND LID SHALL BE H20 TRAFFIC RATED WITH A MINIMUM INSIDE DIAMETER OF 10 INCHES (CHRISTY G5 TRAFFIC VALVE BOX & LID).
- 2. CAST IRON LID SHALL BE MARKED AT THE FACTORY "WATER" FOR WATER APPLICATIONS, "RECLAIMED WATER" OR "RCW" FOR RECLAIMED WATER APPLICATIONS, AND "SS FORCE MAIN" OR "SSFM" FOR SANITARY SEWER APPLICATIONS.
- 3. FOR RECLAIMED WATER AND SANITARY SEWER APPLICATIONS, CAST IRON LID SHALL BE EPOXY COATED AT THE FACTORY, OR POWDER COATED, COLOR SHALL BE PURPLE FOR RECLAIMED WATER APPLICATIONS AND
- GREEN FOR SANITARY SEWER APPLICATIONS. 4. VALVE BOX SHALL BE SET OR ADJUSTED TO GRADE PER DRAWING NO. C-3.1.4, RISER FOR ADJUSTED VALVE BOX SHALL BE PER DRAWING NO. C-3.1.4. FOR OVERLAY ADJUSTMENTS, RISER WILL NOT REQUIRE
- REPLACEMENT OR EXTENSION IF IT EXTENDS A MINIMUM OF 2 INCHES INTO ADJUSTED VALVE BOX. 5. GRADE RING IS NOT ALLOWED FOR NEW VALVE BOX INSTALLATIONS. CAST IRON GRADE RING (CHRISTY G5 GRADE RING) MAY BE USED FOR OVERLAY ADJUSTMENTS WHEN OVERLAY DEPTH EQUALS THE GRADE RING DEPTH. NO MORE THAN ONE GRADE RING ALLOWED PER BOX.

Ì	NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CO	SECTION CARSON CITY
	APPROV	ED BY: <u>&</u>	07/09	VALVE BOX & L	 DRAWING NO. C-3.1.6 (203,306,307) DATE 7/2009



SERVICE SADDLE DETAIL

SERVICE SADDLES FOR 3/4 INCH, 1 INCH, 1-1/2 INCH & 2 INCH TAPS SHALL CONFORM TO C800 WITH A MINIMUM WORKING PRESSURE OF 150 PSI, UNLESS A HIGHER PRESSURE IS SPECIFIED, AND BE MANUFACTURED BY FORD, MUELLER, ROMAC, SMITH-BLAIR OR APPROVED EQUAL. (SEE DWG. C-3.2.1 FOR ADDITIONAL NOTES AND DETAILS.) POTABLE SERVICE SADDLES SHALL BE IN COMPLIANCE WITH NSF61.

2. SERVICE SADDLES SHALL BE FACTORY COATED DUCTILE IRON (ASTM A395 OR A536) WITH TYPE 18-8 STAINLESS STEEL (304 OR 304L) STRAP(S), BOLTS, NUTS, & WASHERS. ALL STAINLESS

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EVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
		,	CARSON CITY
		3/4" TO 2"	DRAWING NO. C-3.2.2 (203, 3
		SERVICE SADDLE	DATE
BY: <u>//</u>	07/09	SERVICE SADDLE	7/2009
	EVISION	EVISION DATE	3/4" TO 2" SERVICE SADDLE



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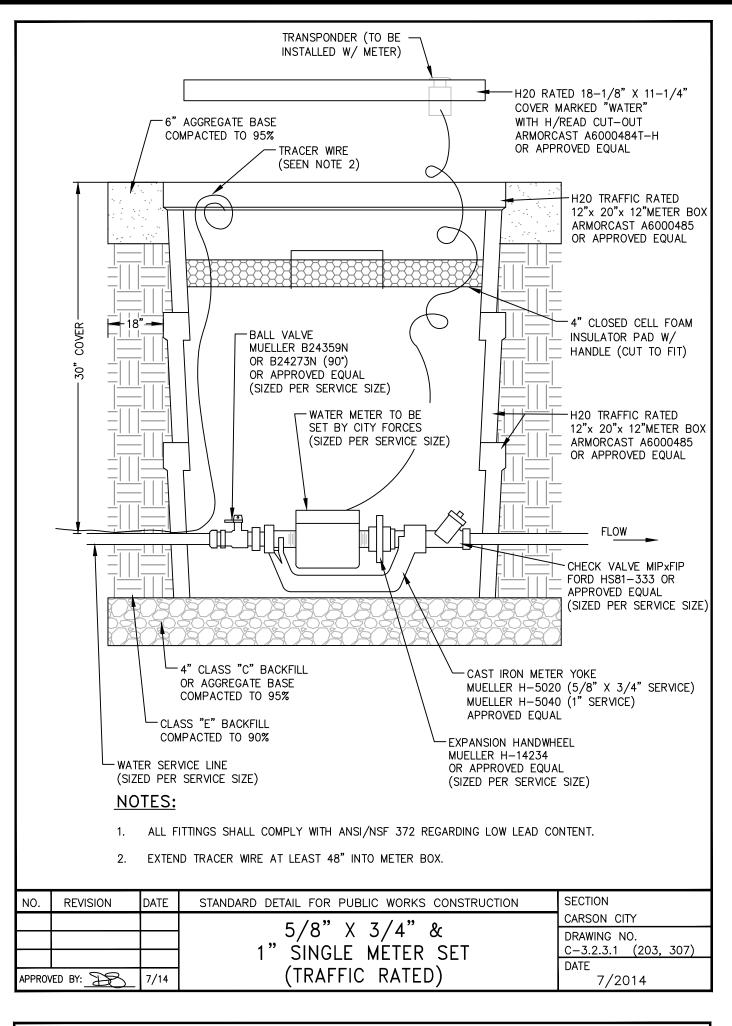
EXP. 6-30-1

BDA TECH REV.

PROJECT NO.: 14-227.1C

DRAWN: MLM

DATE: 7/29/15



-EXPANSION JOINT

FILLER MATERIAL

-PREFORMED JOINT

EXPANSION/ISOLATION

JOINT

WEAKENED PLANE JOINT

P.C.C. PAVEMENT

REVISED JOINT 5/14

APPROVED BY:_

TOOLED JOINT -

1/4" R. MIN.

¹/2" R. MAX.

- POURED JOINT SEALANT.

1/4" R. MIN.

1/2" R. MAX.

-3/8" BOND BREAKER

SUPERSEAL 444 OR EQUAL

CARSON CITY

DRAWING NO.

C-5.1.1 (312)

5/2014

WEAKENED PLANE JOINT

SIDEWALK, CURB & GUTTER

SAWED OR PREFORMED

- TOP OF SLAB

STRIP JOINT

1/4" R. MIN.

1/2" R. MAX.

KEYED JOINT

1. ALL CONCRETE EDGING AND JOINTING SHALL CONFORM TO SECTION 312.09 OF THE STANDARD

2. AFTER PRELIMINARY TROWELING, THE CONCRETE SHALL BE PARTED TO A DEPTH OF 2 INCHES WITH A

NO. | REVISION | DATE | STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION | SECTION

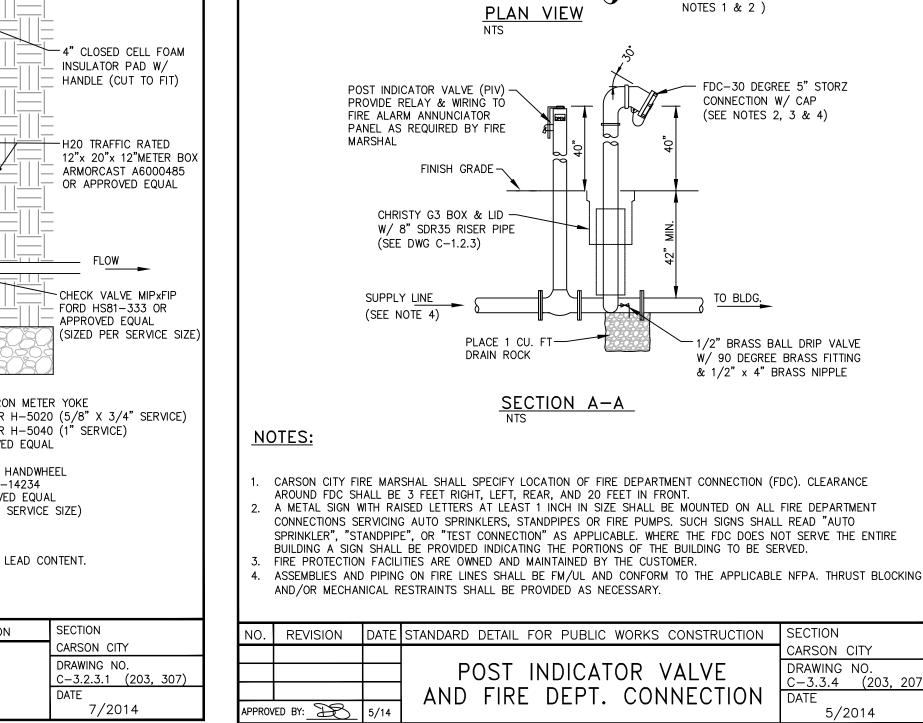
STRAIGHTEDGE. THE CONCRETE SHALL THEN BE REFLOATED TO FILL THE PARTED JOINT WITH MORTAR.

P.C.C. JOINTING DETAILS

FINAL JOINT FINISHING SHALL BE ACCOMPLISHED WITH A JOINTER TOOL AS SHOWN. (SSPWC 312.09.02)

SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).

(SEE NOTE 2)



4" CHECK VALVE - PROVIDE 8" DIA -

SDR PVC RISER PIPE & CHRISTY G3

-1/2" BRASS BALL DRIP VALVE

▲ W/ 90 DEGREE BRASS FITTING

& 4" LONG BRASS PIPE

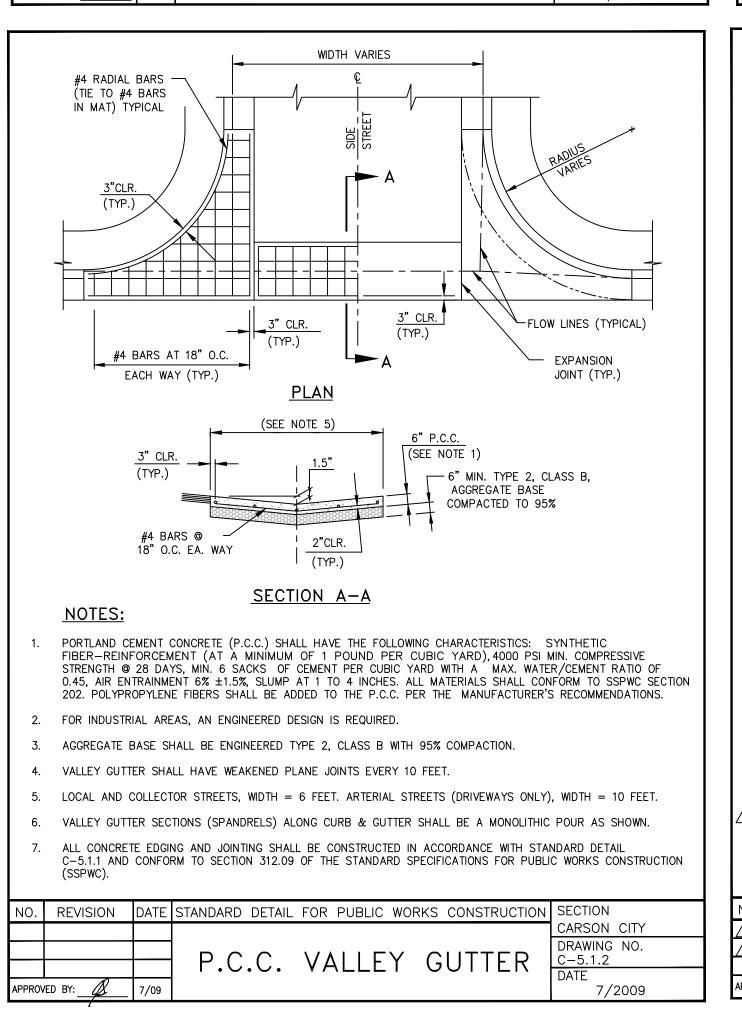
4" DIAMETER FIRE DEPT.

CONNECTION (FDC), ELL

& STAND PIPE. (SEE

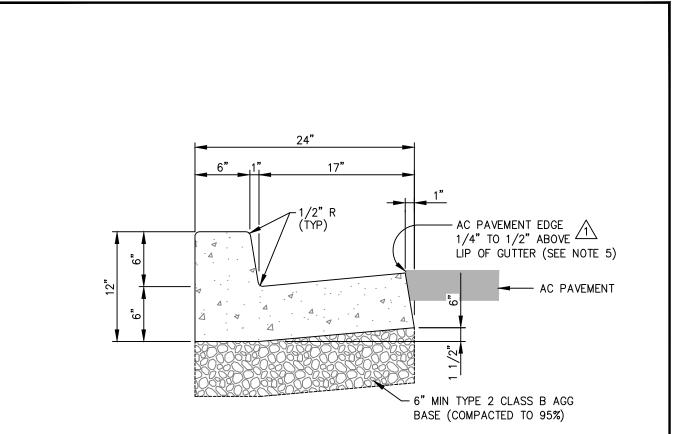
VALVE BOX W/ "FDC CHECK VALVE"

WELDED ON LÍD



- 1. MANHOLE MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF SECTION 204 "MANHOLES AND CATCH BASINS" OF THE SSPWC.
- 2. MARKING TAPE SHALL BE INSTALLED 12 INCHES ABOVE ALL STORM DRAIN PIPE. TAPE WIDTH SHALL BE 3 INCHES; THICKNESS SHALL BE FOUR (4) MIL OR GREATER AND SHALL BE GREEN AND BEAR LARGE PRINTING DENOTING "CAUTION BURIED STORM DRAIN LINE BELOW" OR EQUIVALENT WORDING.
- 3. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH @ 28 DAYS, (CURB AND GUTTER TRANSITION ONLY, ALL UNEXPOSED CONCRETE MAY BE 3000 PSI) MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES. ALL MATERIALS SHALL CONFORM TO SSPWC SECTION 202.
- 4. REINFORCING STEEL SHALL BE GRADE 40 AND HAVE 1.5 INCHES MINIMUM CLEAR COVER.
- 5. EACH CATCH BASIN SHALL HAVE A 4 INCH ALUMINUM BLUE DISK WITH FISH IMAGE AND THE WORDS "NO DUMPING! DRAINS TO RIVER" (ALMETEK SD-4 OR APPROVED EQUAL) INSTALLED ON THE TOP OF
- 6. FRAMES AND GRATES SHALL BE MATCHED TO ACHIEVE A CLOSE TOLERANCE FIT, WITH MINIMAL GAPS, AS APPROVED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
- 7. STORM DRAINAGE IMPROVEMENTS SHALL INCORPORATE WATER QUALITY AND EROSION CONTROLS IN ACCORDANCE WITH THE NEVADA "HANDBOOK OF BEST MANAGEMENT PRACTICES".
- 8. PRECAST MANHOLES SECTIONS, OTHER THAN GRADE RINGS, SHALL BE JOINED WITH FLEXIBLE PLASTIC
- GASKET MATERIAL SUCH AS RAM-NEK OR APPROVED EQUAL PER MANUFACTURERS RECOMMENDATIONS.
- 9. TRACER WIRE SHALL BE ATTACHED TO ANY STORM DRAIN LATERAL WHICH IS NOT PERPENDICULAR TO THE STORM DRAIN MAIN.
- 10. MANHOLES LOCATED OUTSIDE PAVED AREAS SHALL REQUIRE ALL WEATHER ACCESS ROADWAY CONSISTING OF 6 INCHES TYPE 2, CLASS B AGGREGATE BASE (CONFORMING TO THE SSPWC SECTION 200.01.02) AND STORM DRAIN MANHOLE MARKERS BE INSTALLED. STORM DRAIN MANHOLE MARKERS SHALL BE GREEN CARSONITE UTILITY MARKER (CUM 375), 5 FEET-2 INCHES (5'-2") WITH DECAL READING "STORM DRAIN MANHOLE". PLACE MARKERS ON EASEMENT LINE NEAREST TO MANHOLE OR AS DIRECTED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
- 11. MANHOLE CONCRETE COLLARS SHALL BE LEFT 2 1/2 INCHES TO 3 INCHES BELOW FINISHED ASPHALT SURFACE. APPLY AN APPROVED TACK COAT (CONFORMING TO THE SSPWC SECTION 316) AND FILL VOID BETWEEN ADJACENT PAVEMENT AND FRAME WITH TYPE 3 AC 20 PAVING (CONFORMING TO THE SSPWC SECTION 320). APPLY FOG SEAL (CONFORMING TO SSPWC SECTION 317) TO THE ASPHALT SURFACE. ALL CUTS IN PAVING SHALL BE STRAIGHT AND EVEN. EXCEPTION: WHEN STRUCTURE NOT LOCATED IN ASPHALT PAVEMENT OR LOCATED IN AN UNPAVED AREA, EXTEND CONCRETE TO FINISH GRADE.
- 12. GRATES SHALL BE PLACED OUTSIDE OF THE PEDESTRIAN TRAVELED WAY. GRATE OPENINGS SHALL NOT EXCEED 0.5 INCHES IN WIDTH OR 4 INCHES IN LENGTH. GRATES SHALL BE TRAFFIC RATED AND ADA

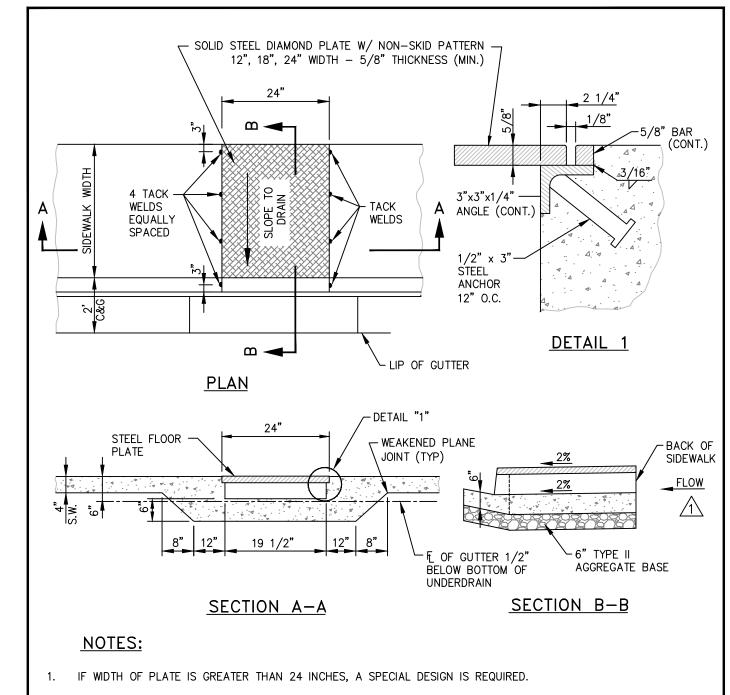
STORM DRAIN DRAWING NO. C-4.1.1 DATE 7/2009	NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
GENERAL NOTES C-4.1.1 DATE				OTOBY BBAIN	CARSON CITY
GENERAL NOTES DATE				STORM DRAIN	
				GENERAL NOTES	
	APPROV	ED BY:	7/09	GENERAL NOTES	



<u>NOTES:</u>

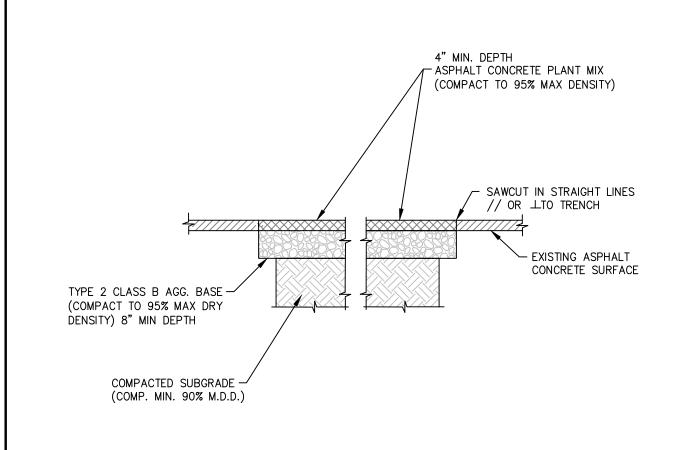
- PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: SYNTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), 4000 PSI MIN COMPRESSIVE STRENGTH @ 28 DAYS, MIN 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES ALL MATERIALS SHALL CONFORM TO SECTION 202 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- ALL CONCRETE CURB & GUTTER SHALL HAVE 1/2 INCH EXPANSION JOINTS EVERY 30 FEET (UNLESS APPROVED OTHERWISE BY THE ENGINEER) AND AT ALL CURB RETURNS AND SHALL HAVE WEAKENED PLANE JOINTS EVERY 10 FEET. CONCRETE EDGING AND JOINTING SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL C-5.1.1 AND CONFORM TO SECTION 312.09 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).
- ALL AGGREGATE BASE SHALL BE TYPE 2, CLASS B AND CONFORM TO SECTION 200.01. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND SHALL BE MECHANICALLY COMPACTED TO 95% COMPACTION, IN CONFORMANCE WITH SECTION 308.05 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS
- CURBS SHALL BE MARKED WITH A 2 INCH "S" ON THE TOP OF CURB AT SEWER LATERAL LOCATIONS.
- EXCEPTION: AC PAVEMENT EDGE SHALL BE FLUSH TO 1/4 INCH ABOVE THE LIP OF GUTTER WHEN LOCATED ADJACENT TO A PEDESTRIAN RAMP, WITHIN AN ACCESSIBLE ROUTE OR BIKE LANE.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION SE	ECTION
71	AC/LIP	06/12		ARSON CITY
<u>7</u> 3	NOTE 5	05/14		RAWING NO.
				<u>-5.1.3</u> АТЕ
APPROV	ED BY: DR	05/14		5/2014



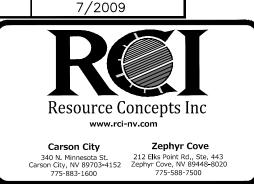
- ALL EXPOSED METAL PARTS SHALL BE GALVANIZED AND ALL GALVANIZING DAMAGED BY FABRICATION OR INSTALLATION SHALL RECEIVE TWO COATS OF ALUMINUM PAINT (GALVONOX OR EQUAL).
- 3. SHARP EDGES SHALL BE GROUND OFF AND PAINTED.
- FIBER-REINFORCED PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH @ 28 DAYS, MIN. 6 SACKS OF CEMENT PER CUBIC YARD WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES. ALL MATERIALS SHALL CONFORM TO SSPWC SECTION 202. POLYPROPYLENE FIBERS SHALL BE ADDED TO THE P.C.C. PER THE MANUFACTURER'S RECOMMENDATIONS.
- BASE BENEATH CONCRETE DRAIN SUPPORT STRUCTURE SHALL BE 6 INCH MIN. TYPE 2, CLASS B AGGREGATE BASE, COMPACTED TO A MINIMUM 95% OF MAXIMUM DRY DENSITY.

NQ.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
/1\	FLOW	05/14		CARSON CITY
			SIDEWALK	DRAWING NO. C-4.1.8
APPROV	ED BY: DB	05/14	CROSS-DRAIN	DATE 5/2014



- IF SAWCUT IS WITHIN 24 INCHES OF EDGE OF A.C. PAVEMENT REMOVE EXISTING PAVEMENT TO THAT EDGE AND REPLACE ENTIRE SECTION.
- BITUMINOUS MATERIAL SHALL MEET THE REQUIREMENTS OF SECTIONS 201 AND 320 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- MIXING, SPREADING, AND COMPACTING OF BITUMINOUS PAVEMENT SHALL BE DONE ONLY WHEN THE SURFACE ON WHICH THE MATERIALS ARE TO BE PLACED IS DRY AND WHEN THE ATMOSPHERIC TEMPERATURE IS ABOVE 50 DEGREES FAHRENHEIT AND HAS NOT BEEN BELOW 40 DEGREES FAHRENHEIT DURING THE PRECEDING 24 HOURS.
- FINISHED SURFACE VARIATIONS SHALL BE 0 TO 0.25 INCHES ABOVE EXISTING SURFACE. ALL HUMPS EXCEEDING THI TOLERANCE SHALL BE CORRECTED BY REMOVAL OF MATERIAL AND REPLACING IT WITH NEW MATERIAL. FINISHED SURFACE OF PATCH SHALL NOT BE BELOW EXISTING ADJACENT SURFACE.
- PLANTMIX BITUMINOUS PAVEMENT SURFACE COURSE SHALL BE PG-64-22 TYPE 3 AND SUB SURFACE COURSES SHALL BE PG-64-22 TYPE 3 UNLESS OTHERWISE NOTED.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION CARSON CITY
			PAVEMENT PATCH	DRAWING NO. C-5.1.6
APPROV	L /ED BY: \mathscr{A}	7/09	(MODIFIED)	DATE 7/2009



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' **a a** |

SHARP

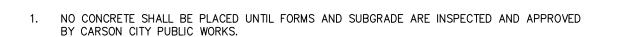
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7/29/15

EXP. 6-30-7

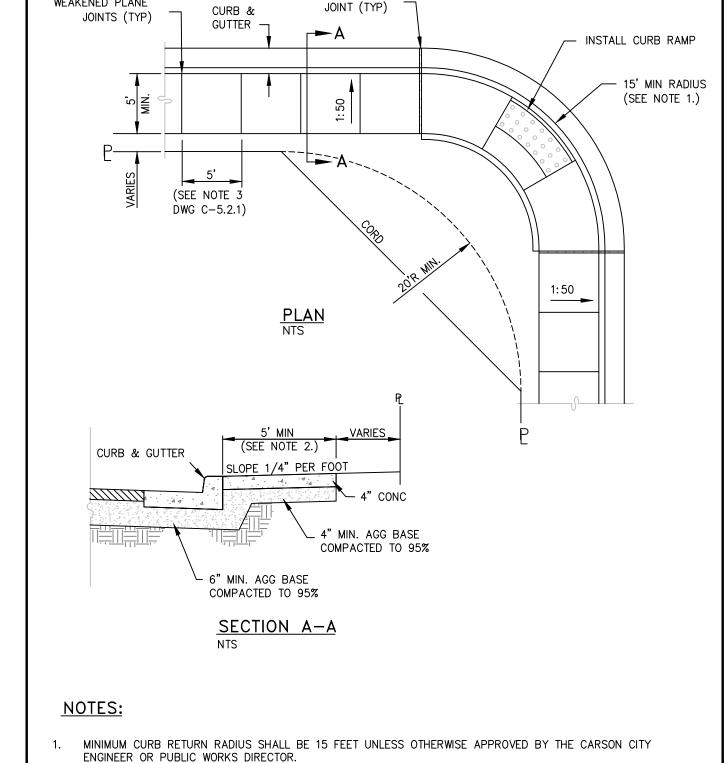
BDA TECH REV.

PROJECT NO.: 14-227.1C DRAWN: MLM DATE: 7/29/15



- 2. PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: SYNTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), WITH COARSE AGGREGATE GRADATION CONFORMING TO SIZE No. 67 PER SECTION 200.05.03 OF THE STANDARD SPECIFICATIONS, AND SHALL HAVE A 1 TO 4 INCH SLUMP, AND 4 TO 7 PERCENT ENTRAINED AIR. 4000 PSI MIN COMPRESSIVE STRENGTH @ 28 DAYS, MIN 6 SACKS OF TYPE II CEMENT PER CUBIC YARD WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES ALL MATERIALS SHALL CONFORM TO SSPWC SECTION 202. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- 3. ALL CONCRETE EDGING AND JOINTING SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. DETAIL C-5.1.1 AND CONFORM TO SEC. 312.09 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS
- 4. IF OBSTRUCTIONS SUCH AS INLETS, UTILITY POLES, FIRE HYDRANTS, ETC. ARE ENCOUNTERED, THE LOCATION AND DIMENSIONS MAY BE ADJUSTED UPON APPROVAL BY CARSON CITY PUBLIC WORKS. A MINIMUM SURFACE OF 5 FEET X 5 FEET CLEAR IS REQUIRED WHEN DIRECTION OF TRAVEL MAY CHANGE AND A MINIMUM SURFACE OF 4 FEET CLEAR IS REQUIRED WHERE DIRECTION OF TRAVEL IS NOT EXPECTED TO CHANGE, UNLESS OTHERWISE APPROVED BY THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR.
- 5. EXISTING CONCRETE SHALL BE REMOVED TO A NEAT SAWCUT LINE OR NEAREST EXPANSION JOINT.
- 6. ALL AGGREGATE BASE SHALL BE TYPE 2, CLASS B AND SHALL CONFORM TO SEC.200.01. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).
- 7. NEW CONCRETE SHALL HAVE A HEAVY BROOM FINISH PERPENDICULAR TO SIDEWALK.
- 8. AC PAVEMENT EDGE SHALL BE 1/4 INCH TO 1/2 INCH ABOVE THE LIP OF GUTTER.

 EXCEPTION: AC PAVEMENT EDGE SHALL BF FLUSH TO 1/4 INCH ABOVE THE LIP OF EXCEPTION: AC PAVEMENT EDGE SHALL BE FLUSH TO 1/4 INCH ABOVE THE LIP OF GUTTER WHEN LOCATED ADJACENT TO A PEDESTRIAN RAMP, WITHIN AN ACCESSIBLE ROUTE OR BIKE LANE.

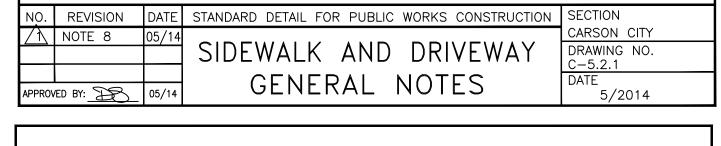


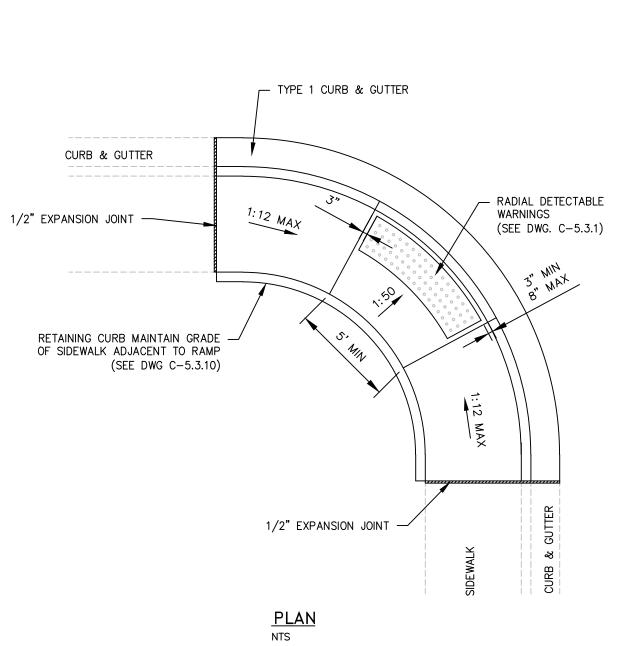
1/2" EXPANSION

2. SOME STREETS MAY REQUIRE WIDER SIDEWALKS.

WEAKENED PLANE

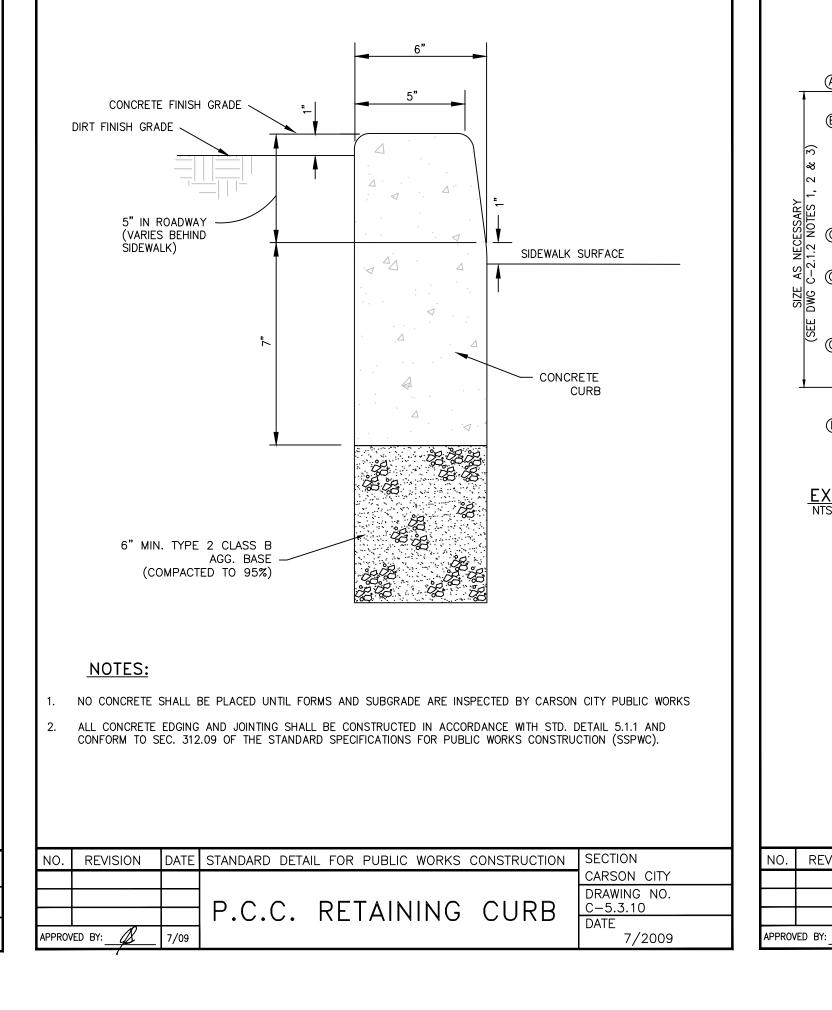
NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
			TVDE " 2" CIDENALIC	DRAWING NO. C-5.2.2
			TYPE "A" SIDEWALK	DATE
APPROVED BY: 8 7/09				7/2009

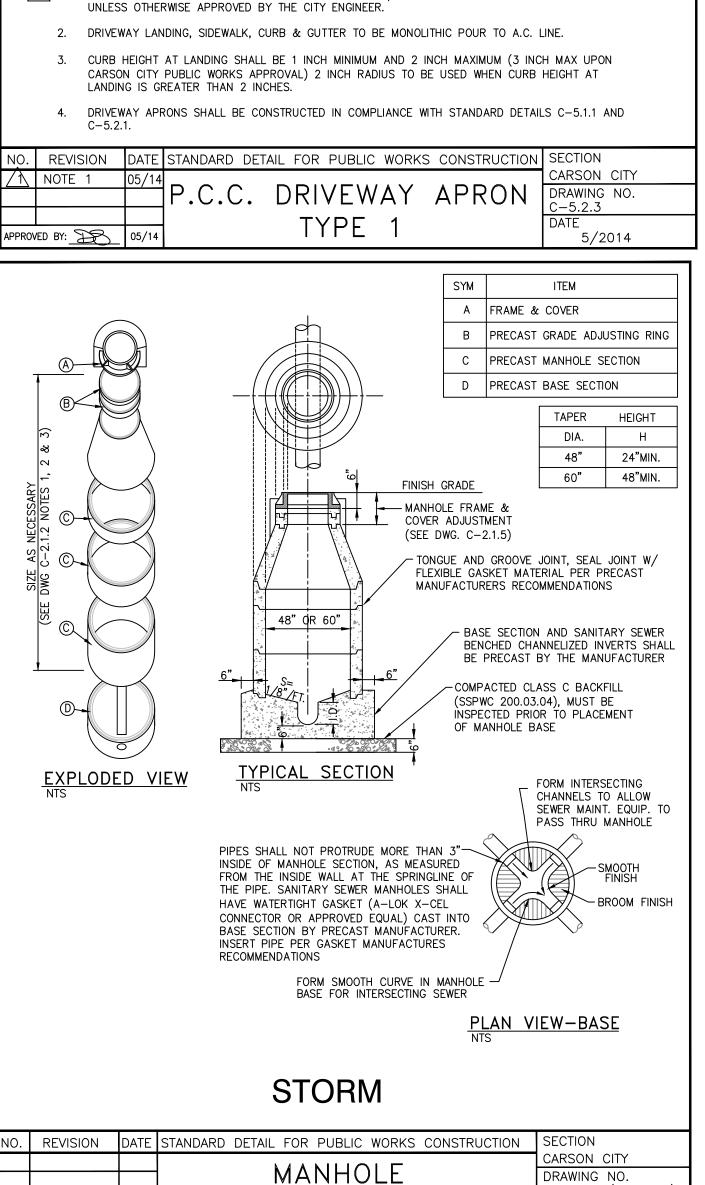




- 1. NOT FOR USE WITH OFFSET SIDEWALKS.
- RETAINING CURBS ARE TO BE USED IN ALL CASES AND FINISH GRADE AT BACK OF SIDEWALK IS TO BE RAISED TO TOP OF RETAINING CURB ELEVATION.
- 3. SEE "CURB RAMP GENERAL NOTES" DWG C-5.3.1 FOR FURTHER REQUIREMENTS.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
				CARSON CITY
			PARALLEL CURB RAMP	DRAWING NO. C-5.3.5
			ΔPFX	DATE
APPROV	/ED BY:	7/09	ALLA	7/2009





TYPE '

07/09

1/2" EXPANSION JOINT -

CURB AS NEEDED

1/2" EXPANSION

CONSTRUCT PCC RETAINING

— SAWCUT & REMOVE EX DRIVEWAY

MAX

- 6" CONCRETE

____1.5" (SEE NOTE 3)

/−.5" R

1/2" EXPANSION

TYPE "A"

SIDEWALK

JOINT

DRIVEWAY —

SECTION A-A

COMMERCIAL DRIVEWAYS TO HAVE 6 INCH X 6 INCH 10/10 WIRE MESH EXTENDED INTO GUTTER PAN

DRIVEWAY TRANSITION

EDGE OF DRIVEWAY -

TRANSITION

MIN. 6" TYPE 2, CLASS B

AGGREGATE BASE (COMP. TO 95%

MAX. DRY DENSITY)

CONSTRUCT P.C.C.

RETAINING CURB

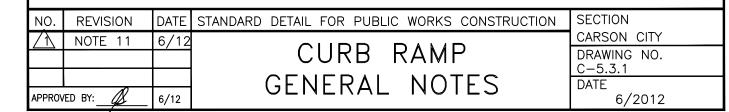
MATCH EXISTING DRIVEWAY

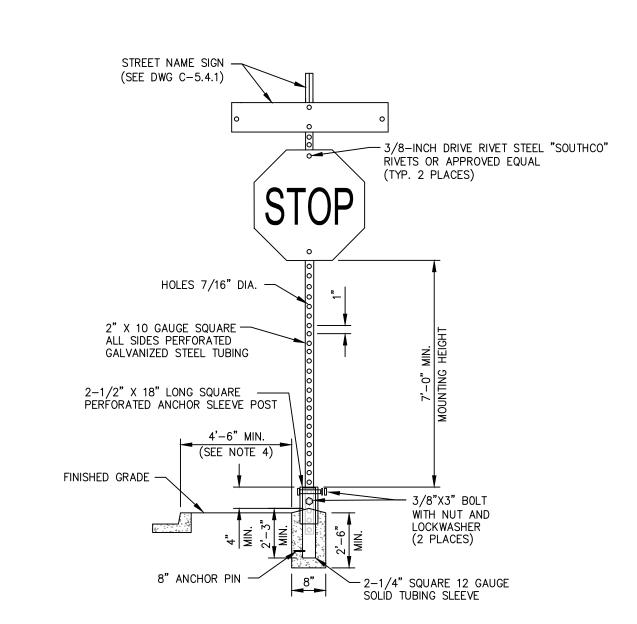
SURFACE TREATMENT

NOTES:



- PORTLAND CEMENT CONCRETE (P.C.C.) SHALL HAVE THE FOLLOWING CHARACTERISTICS: SYNTHETIC FIBER-REINFORCEMENT (AT A MINIMUM OF 1 POUND PER CUBIC YARD), 4000 PSI MIN COMPRESSIVE STRENGTH @ 28 DAYS, MIN 6 SACKS OF CEMENT PER CUBIC YARDS WITH A MAX. WATER/CEMENT RATIO OF 0.45, AIR ENTRAINMENT 6% ±1.5%, SLUMP AT 1 TO 4 INCHES ALL MATERIALS SHALL CONFORM TO SSPWC SECTION 202. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- 3. ALL CONCRETE EDGING AND JOINTING SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. DETAIL C-5.1.1 AND CONFORM TO SEC. 312.09 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).
- 4. IF OBSTRUCTIONS SUCH AS INLETS, UTILITY POLES, FIRE HYDRANTS, ETC. ARE ENCOUNTERED, THE LOCATION AND DIMENSIONS MAY BE ADJUSTED UPON APPROVAL BY CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR. A MINIMUM LANDING OF 5 FEET X 5 FEET CLEAR IS REQUIRED WHEN DIRECTION OF TRAVEL MAY CHANGE. A MINIMUM OF 4 FEET CLEAR IS MAY BE USED UPON APPROVAL OF THE CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR WHERE DIRECTION OF TRAVEL IS NOT EXPECTED TO CHANGE.
- 5. WHEN A CROSSWALK IS SERVICED BY RAMP, LANDINGS SHALL BE CONTAINED WITHIN THE CROSSWALK
- 6. EXISTING CONCRETE SHALL BE REMOVED TO A NEAT SAWCUT LINE OR NEAREST EXPANSION JOINT.
- 7. PLANTMIX BITUMINOUS SURFACE SHALL BE FLUSH WITH THE EDGE OF THE GUTTER PAN IN THE AREA OF THE CURB RAMP. GUTTER SHALL MAINTAIN POSITIVE DRAINAGE TO PREVENT PONDING.
- 8. ALL AGGREGATE BASE SHALL BE TYPE 2, CLASS B AND SHALL CONFORM TO SEC.200.01. OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC).
- 9. NEW CONCRETE SHALL HAVE A HEAVY BROOM FINISH PERPENDICULAR TO SIDEWALK.
- 10. DETECTABLE WARNINGS SHALL BE EAST JORDAN IRON WORKS 7005 SERIES CAST IRON DETECTABLE WARNING PLATES OR APPROVED EQUAL. INSTALLED PER MANUFACTURERS INSTALLATION GUIDELINES AND CONFORM TO ADAAG (4.29) "DETECTABLE WARNINGS". COLOR: ASPHALT DIPPED UNLESS OTHERWISE APPROVED BY CARSON CITY ENGINEER OR PUBLIC WORKS DIRECTOR. RADIAL DETECTABLE WARNINGS SHALL BE USED WHEN REQUIRED TO MAINTAIN MINIMUM CLEARANCE OF 3 INCHES AND MAXIMUM CLEARANCE OF 8 INCHES FROM DETECTABLE WARNINGS TO BACK FACE OF CURB. RADIAL DETECTABLE WARNINGS SHALL HAVE A RADIUS WITHIN 5 FEET OF BACK FACE OF
- 11. AC PAVEMENT EDGE SHALL BE 1/4 INCH TO 1/2 INCH ABOVE THE LIP OF GUTTER. EXCEPTION: AC PAVEMENT EDGE SHALL BE FLUSH TO 1/4 INCH ABOVE THE LIP OF GUTTER WHEN LOCATED ADJACENT TO A PEDESTRIAN RAMP OR WITHIN AN ACCESSIBLE ROUTE.





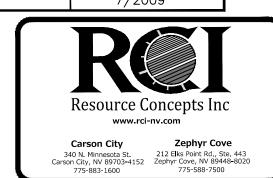
NOTES:

C-2.1.3 (204, 306)

7/2009

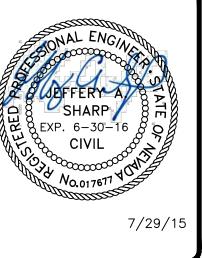
- SIGN MATERIALS, CONSTRUCTION AND PLACEMENT SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- 2. STREET NAME SIGN SHALL BE AS SPECIFIED IN STANDARD DETAIL DRAWING NO. C-5.4.1
- 3. ON STREETS WHERE CURBING DOES NOT EXIST, SET SIGN 6 FEET MINIMUM FROM PAVEMENT EDGE.
- 4. CONCRETE BASE SHALL BE LOCATED AT BACK OF SIDEWALK, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
- 5. ALL REGULATORY SIGNS SHALL USE ASTM TYPE 3 OR 4 INTENSITY SHEETING.

NO.	REVISION	DATE	STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION	SECTION
			TRAFFIC SIGN	CARSON CITY DRAWING NO.
			INSTALLATION	C-5.4.2 DATE
APPROV	/ED BY:	7/09	INSTALLATION	7/2009



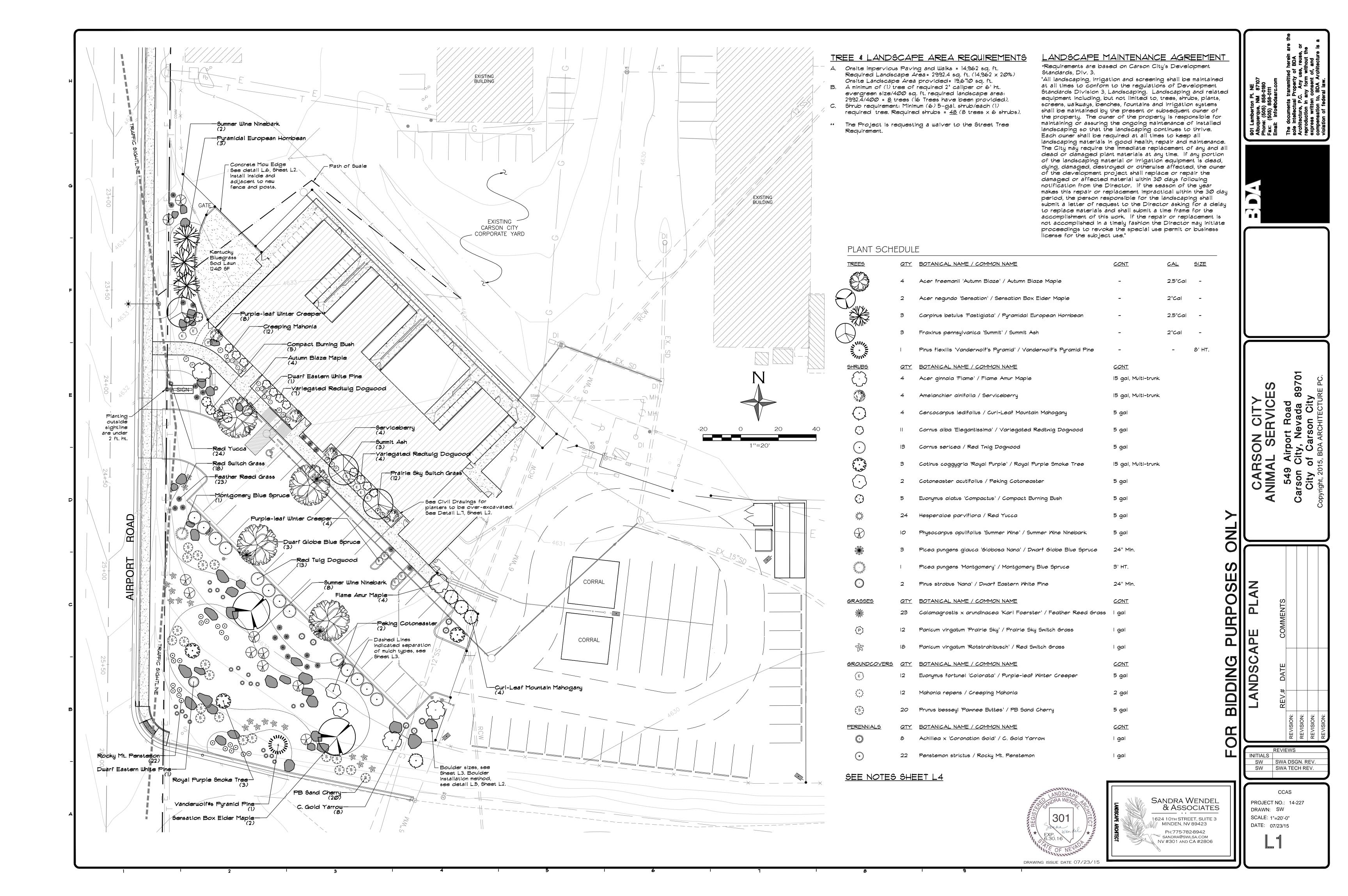
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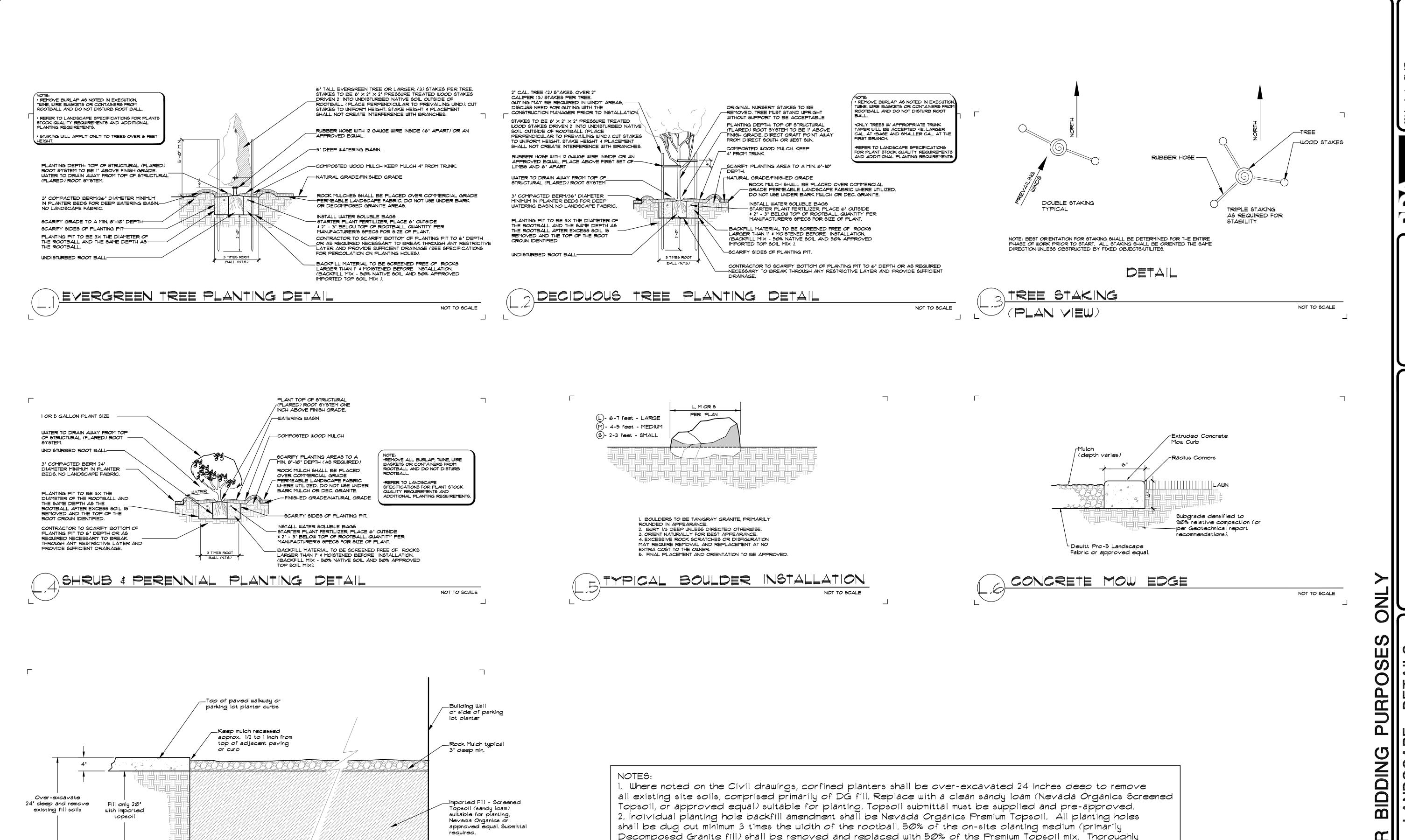
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BDA TECH REV.

PROJECT NO.: 14-227.1C DRAWN: MLM DATE: 7/29/15





Roughen interface and

co-mingle (2) soils to prevent creating perched

water table situation.

NOT TO SCALE

PLANTER BACKFILL DETAIL

Decomposed Granite fill) shall be removed and replaced with 50% of the Premium Topsoil mix. Thoroughly combine soil types prior to backfilling around installed plants/rootballs. This requirement is to create a more suitable planting environment.





SW SWA DSGN. REV. SW SWA TECH REV.

CCAS PROJECT NO.: 14-227 DRAWN: SW SCALE: NONE DATE: 07/23/15

