

CITY OF SPARKS

2026 STREET REHABILITATION PROJECT

PWP: WA-2026-327

BID # 25/26-013



950 SANDHILL ROAD, SUITE 100
RENO, NV 89521
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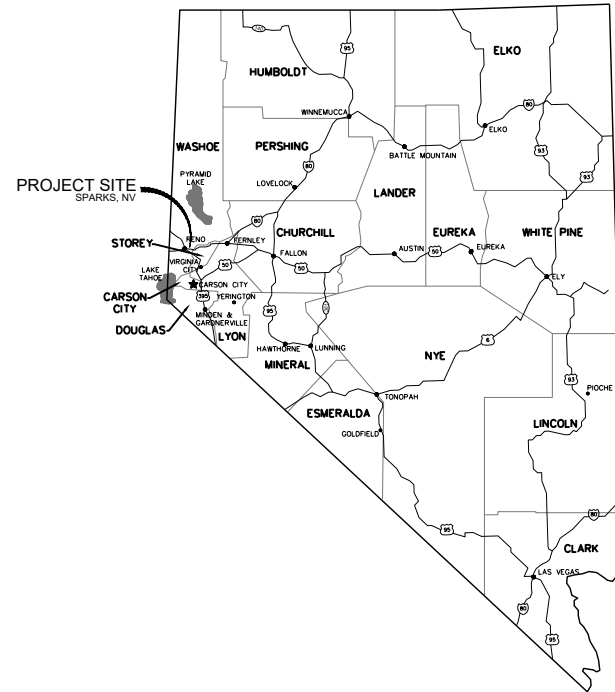
04/06/26

SPARKS CITY COUNCIL

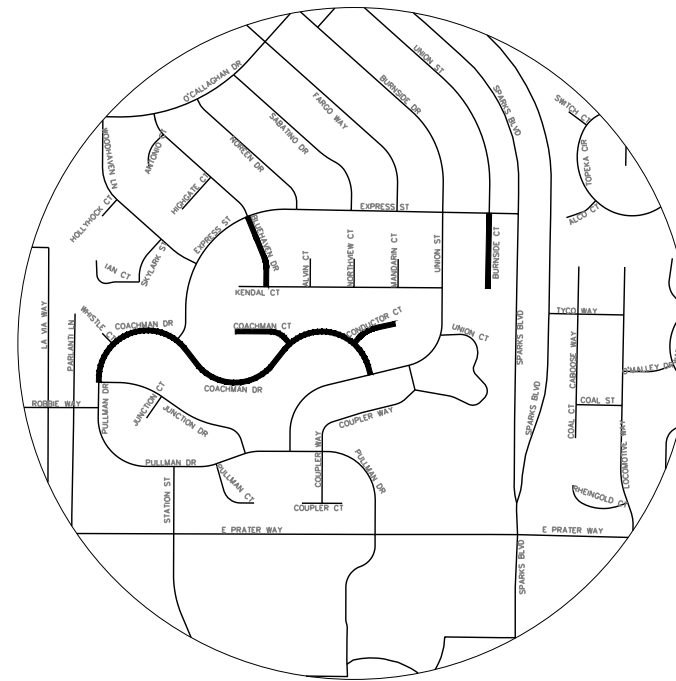
MAYOR _____ ED LAWSON
WARD 1 _____ DONALD ABBOTT
WARD 2 _____ DIAN VANDERWELL
WARD 3 _____ PAUL ANDERSON
WARD 4 _____ CHARLENE BYBEE
WARD 5 _____ JOE RODRIGUEZ
CITY MANAGER _____ DION LOUTHAN

APPROVED BY:

Brian Cason
BRIAN CASON, P.E., S.E., - ACTING CITY OF SPARKS ENGINEER



LOCATION MAP



VICINITY MAP

SHEET INDEX:

TITLE SHEET _____ C1.0
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OWNER
ATTN: BOB SCHRICKER
431 PRATER WAY
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ENGINEER
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Know what's below.
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CITY OF SPARKS
2026 STREET REHABILITATION PROJECT
TITLE SHEET
SPARKS
WASHOE
NEVADA

REV	DATE	DESCRIPTION

BID SET PLANS
NOT FOR CONSTRUCTION
APRIL 2026

BAR IS 1 INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY
C1.0
DRAWN BY: AAH
DESIGNED BY: AAH
CHECKED BY: IPN
JOB NO.: 12421.000

L:\A\Proj\12421.000 - 2026 Street Rehabilitation - Unit 1\3-Design\WMO\Civil\Sheets\12421.000 - TITLE NOTES AND INDEX.dwg.C1.0 TITLE SHEET, 04/06/2026 12:56 pm Inreney

LEGEND

EXISTING		PROPOSED
	CONTOUR LINE	
	GROUND ELEVATION	
	TREE	
	ROCK	
	EDGE OF PAVEMENT	
	AC PAVING TO BE REMOVED	
	CURB & GUTTER	
	CONCRETE	
	UTILITY POLE	
	LIGHT	
	GUY WIRE	
	ELECTRIC TRANSFORMER	
	ELECTRIC VAULT	
	ELECTRIC PANEL	
	ELECTRIC CABINET	
	ELECTRIC BOX	
	ELECTRIC METER	
	ELECTRIC GENERATOR	
	ELECTRIC MANHOLE	
	AIR CONDITIONER	
	ELECTRIC OUTLET	
	BOLLARD	
	STORM DRAIN MANHOLE / DROP INLET	
	CATCH BASIN	
	WATER VALVE	
	IRRIGATION CONTROL VALVE WATER	
	METER	
	WATER SPIGOT / HOSE BIB WATER	
	MANHOLE	
	WATER VAULT	
	FIRE HYDRANT	
	GAS VALVE	
	GAS METER	
	TELEPHONE MANHOLE	
	TELEPHONE BOX	
	TELEPHONE VAULT	
	SEWER MANHOLE	
	SEWER CLEANOUT	
	SURVEY MONUMENT	
	CONTROL POINT	
	BARRICADE	
	SIGN	
	RETAINING WALL	
	FENCE	
	GRADE BREAK	
	FLOW LINE	
	SOIL TEST PIT	
	DETAIL CALLOUT	
	COMM LINE	
	GAS LINE	
	ELECTRIC LINE	
	SEWER LINE	
	WATER LINE	
	AIR LINE	
	STORM DRAIN	
	RECLAIMED WATER LINE	

ABBREVIATIONS

AC	ASPHALT CONCRETE	MJ	MECHANICAL JOINT
ACP	ASBESTOS CEMENT PIPE	MMD	MAXIMUM MARSHALL DENSITY
AGG	AGGREGATE	MUTCD	MANUAL FOR TRAFFIC CONTROL DEVICES
BC	BEGIN CURVE (HORIZONTAL)	N	NORTH
BCR	BEGIN CURB RETURN	NAP	NOT A PART
BOW	BOTTOM OF WALL	NIP	NOT IN PROJECT
BF, BOF	BOTTOM OF FOOTING	NTS	NOT TO SCALE
BV	BUTTERFLY VALVE	OC	ON CENTER
BVC	BEGIN VERTICAL CURVE	OD	OUTSIDE DIAMETER
BW	BACK OF WALK	OH	OVERHEAD
CB	CATCH BASIN	PROPOSED	PROPOSED
cfs	CUBIC FEET PER SECOND	PORTLAND CEMENT CONCRETE, POINT OF COMPOUND CURVATURE	PORTLAND CEMENT CONCRETE, POINT OF COMPOUND CURVATURE
CF	CUBIC FEET	PG	PAD GRADE
C&G	CURB AND GUTTER	PI	POINT OF INTERSECTION
CL	CENTER LINE	PIVC	POINT OF INTERSECTION VERTICAL CURVE
CL	CLASS / CENTER LINE	PL	PROPERTY LINE
CMP	CORRUGATED METAL PIPE	PP	POWER POLE
COMP	COMPACTION	PRC	POINT OF REVERSE CURVE
CONC	CONCRETE	PRVC	POINT OF REVERSE VERTICAL CURVE
CONTR	CONTRACTOR	PVC	POLYVINYL CHLORIDE
CP	CONCRETE PAD	PVMT	PAVEMENT
CTV	CABLE TELEVISION	Q 5	5 YEAR PEAK FLOW
DI	DROP INLET	Q 100	100 YEAR PEAK FLOW
DIA, Ø	DIAMETER	R	RADIUS
DWY	DRIVEWAY	RCP	REINFORCED CONCRETE PIPE
E	EAST	REF	REFERENCE
EA	EACH	RET	CURB RETURN
EC	END CURVE (HORIZONTAL)	RP	RADIUS POINT
ECR	END CURB RETURN	RT	RIGHT
ELL	ELBOW	R/W, ROW	RIGHT-OF-WAY
ELEC	ELECTRICAL	S=	SLOPE
ELEV	ELEVATION	S	SOUTH
EP	EDGE OF PAVEMENT	SD	STORM DRAIN
EVC	END VERTICAL CURVE	SDMH	STORM DRAIN MANHOLE
EX, (E)	EXISTING	SL	STREET LIGHT
EXT	EXTERIOR	SS	SANITARY SEWER
FCA	FLANGE COUPLING ADAPTER	SSCO	SANITARY SEWER CLEAN OUT
FE	FINISH ELEVATION	SSMH	SANITARY SEWER MANHOLE
FES	FLARED END SECTION	SSPWC	STANDARD SPEC. FOR PUBLIC WORKS CONSTRUCTION
FF	FINISH FLOOR	STA	STATION
FFC	FRONT FACE OF CURB	SW	SIDEWALK
FG	FINISH GRADE	TELE	TELEPHONE
FH	FIRE HYDRANT	TBO	TEMPORARY BLOW OFF VALVE
FL	FLOW LINE	TC	TOP OF CURB, TOP OF CONC
FLG	FLANGE	TCBS	TRAFFIC CONTROL SIGNAL BOX TO GRADE
fps	FEET PER SECOND	TG	TOP OF BERM
FTG	FOOTING	TOB	TOP OF FOOTING
G	GAS	TOW	TOP OF WALL
GALV	GALVANIZED	TS	TRAFFIC SIGNAL
GB	GRADE BREAK	TR	TOP OF RAIL
GDW	GRAVEL DRIVEWAY	TRANS	TRANSITION
GD	GROUND	TYP	TYPICAL
GV	GATE VALVE	UG/P	UNDER GROUND POWER
H	HANDICAPPED	UNO	UNLESS NOTED OTHERWISE
H	HYDRAULIC GRADE LINE	V 5	VELOCITY AT 5 YEAR PEAK
HORIZ	HORIZONTAL	VC	VERTICAL CURVE
HP	HIGH POINT	VEL	VELOCITY
ID	INSIDE DIAMETER	VERT	VERTICAL
IE	INVERT ELEVATION	VG	VALLEY GUTTER
INT	INTERSECTION	W	WEST
IRR	IRRIGATION	W/G	WATER AND GAS
LAT	LATERAL	WL	WATER LINE
LF	LINEAR FEET	WM	WATER METER
LP	LOW POINT	WS	WATER SURFACE
LT	LEFT	WW	WATER VALVE
LVC	LENGTH OF VERTICAL CURVE	WWF	WELDED WIRE FABRIC
MAX	MAXIMUM	YEAR	YEAR
MDD	MAXIMUM DRY DENSITY		
MH	MANHOLE		
MIN	MINIMUM		



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NOTES:

GENERAL

- ALL WORK SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AS ADOPTED BY THE GOVERNING AGENCY.
- THE CONTRACTOR SHALL REFER TO THE STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION, AS ADOPTED BY THE PERMITTING ENTITY, FOR ALL DETAILING NOT SHOWN ON THESE PLANS.
- CONSTRUCTION SHALL COMPLY WITH THESE PLANS AND CURRENT NDOT or CALTRANS STANDARD PLANS/SPECIFICATIONS (STANDARD SPECIFICATIONS) AND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING A PRE-CONSTRUCTION JOB SITE CONFERENCE WITH GOVERNING AGENCIES, ALL UTILITY COMPANIES, OWNER'S REPRESENTATIVES, AND THE PROJECT ENGINEER PRIOR TO COMMENCING WORK. THIS MEETING SHALL BE HELD AT LEAST FORTY-EIGHT (48) HOURS, OR TWO (2) BUSINESS DAYS, PRIOR TO THE START OF CONSTRUCTION AND SHALL COMMUNICATE SCHEDULES, CONTRACTORS MEAN AND METHODS, MATERIALS TO BE USED, AND OTHER RELEVANT MATTERS ASSOCIATED WITH THE CONSTRUCTION OF THE PROJECT.
- ALL WORK EITHER DIRECTLY OR INDIRECTLY RELATED TO THE PROJECT SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY SYSTEM MANAGER.
- THE CONTRACTOR SHALL MAINTAIN AN ONSITE RECORD COPY OF ALL DRAWINGS, SPECIFICATIONS, ADDENDA, CHANGE ORDERS, WORK CHANGE DIRECTIVES, FIELD ORDERS, FIELD CHANGES, AND WRITTEN INTERPRETATIONS AND CLARIFICATIONS. RECORDS SHALL BE IN GOOD ORDER AND ANNOTATED TO SHOW CHANGES MADE DURING CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE MATERIALS AND EQUIPMENT SUBMITTALS AND/OR SHOP DRAWINGS TO THE PROJECT ENGINEER FOR REVIEW PRIOR TO ORDERING OR INSTALLATION. A SIGNED SET OF REVIEWED SUBMITTALS MUST ALWAYS BE AVAILABLE ONSITE DURING CONSTRUCTION.
- THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT AT 1-800-642-2444 TO PROVIDE FIELD LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION.
- THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY PROPOSED POINTS OF CONNECTION AND IN AREAS OF POSSIBLE CONFLICT WITH NEW UTILITY INSTALLATION PRIOR TO BEGINNING CONSTRUCTION. SHOULD THE CONTRACTOR FIND ANY DISCREPANCIES BETWEEN THE CONDITIONS EXISTING IN THE FIELD AND THE INFORMATION SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THE PLAN.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROCURE ALL NECESSARY PERMITS, LICENSES, INSURANCE POLICIES, ETC. AS MAY BE NECESSARY TO COMPLY WITH LOCAL, COUNTY, STATE, AND FEDERAL LAWS ASSOCIATED WITH THE PERFORMANCE OF THE WORK; UNLESS OTHERWISE OBTAINED BY THE OWNER.
- THE CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN AND PROVIDE, PLACE, AND MAINTAIN ALL LIGHTS, SIGNS, BARRICADES, FLAG PERSONS, PILOT CAR, OR OTHER DEVICES NECESSARY TO CONTROL TRAFFIC THROUGH THE CONSTRUCTION AREA AND FOR PUBLIC SAFETY. ALL TRAFFIC CONTROL OPERATIONS SHALL COMPLY WITH THE LATEST MUTCD. AT NO TIME WILL OBSTRUCTIONS BE LEFT IN THE ROADWAY DURING NIGHT HOURS. ALL TRAFFIC CONTROL PLANS SHALL BE PREPARED BY A REGISTERED CIVIL ENGINEER OR ATTSA CERTIFIED PERSONNEL.
- THE CONTRACTOR AGREES TO ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, AND FURTHER AGREES THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS IN ACCORDANCE WITH THE PROVISIONS OUTLINED BY THE PROJECT CONTROL AND THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF OSHA AND NRS CHAPTER 618.
- THE CONTRACTOR SHALL PURSUE THE WORK IN A CONTINUOUS AND DILIGENT MANNER, CONFORMING TO ALL THE PERTINENT SAFETY REGULATIONS TO ENSURE A TIMELY COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL MAINTAIN A CLEAN PROJECT SITE, REMOVING CONSTRUCTION DEBRIS AT THE END OF EACH ACTIVITY DAY. THE CONTRACTOR SHALL MAINTAIN DEBRIS FREE CONSTRUCTION ROUTES, ADJACENT STREETS AND STORM DRAIN SYSTEMS.
- TEMPORARY CONSTRUCTION FENCING SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR THROUGHOUT THE DURATION OF THE PROJECT IN AREAS AS DELINEATED ON THE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER. THE TEMPORARY FENCING SHALL PREVENT CHILDREN AND PETS FROM ENTERING THE CONSTRUCTION AREA, CREATE A VISUAL BARRIER OF THE CONSTRUCTION ACTIVITIES FROM THE ADJACENT RESIDENCE AND YARDS, AND PROTECT VEGETATION FROM CONSTRUCTION EQUIPMENT.
- THE CONTRACTOR SHALL USE ONLY AUTHORIZED SITES FOR STORAGE OF EQUIPMENT AND MATERIALS AND OBTAIN PROPER APPROVALS FROM THE LAND OWNER AND LOCAL GOVERNING AUTHORITY TO DO SO. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF ALL EQUIPMENT AND MATERIALS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION. IN THE EVENT A MONUMENT IS DISTURBED, THE CONTRACTOR SHALL HAVE THE MONUMENT REPLACED, AT HIS OWN EXPENSE, BY A LICENSED SURVEYOR IN THE STATE OF THE PROJECT SITE.
- CONSTRUCTION HOURS SHALL BE WEEKDAYS BETWEEN 7:00 AM AND 6:00 PM UNLESS OTHERWISE DICTATED BY LOCAL ORDINANCE. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE PROJECT ENGINEER TO MODIFY WORK HOURS.
- ALL FIELD CHANGES MUST BE PRE-APPROVED BY THE PROJECT ENGINEER. SHOULD IT APPEAR THAT THE WORK TO BE DONE, OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.
- ALL SALVAGED MATERIALS ARE THE PROPERTY OF THE OWNER AND SHALL BE PALLETIZED ONSITE UNLESS OTHERWISE ARRANGED WITH THE OWNER AND/OR PROJECT ENGINEER.
- THE OWNER IS RESPONSIBLE FOR FURNISHING QUALIFIED SITE INSPECTIONS AS REQUIRED TO COMPLY WITH LOCAL ORDINANCES.

UNDERGROUND UTILITIES

- THE CONTRACTOR SHALL FIELD VERIFY UTILITY LOCATIONS NEAR OR WITHIN THE CONSTRUCTION LIMITS WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ARRANGE FOR THE NECESSARY RELOCATION OF ANY UTILITY. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING WORK.
- NO OTHER UTILITIES MAY BE PLACED IN A WATER OR SEWER TRENCH.
- ALL VALVE BOXES, MANHOLE STRUCTURES, AND CLEAN OUTS SHALL BE MARKED AND ACCESSIBLE AT ALL TIMES.
- CONTRACTOR SHALL SUPPORT TRENCH SIDEWALLS IN ACCORDANCE WITH ALL APPLICABLE LAWS AND GOVERNING SAFETY REGULATIONS. SHEETING OR SHORING SHALL CONFORM TO LOCAL REGULATIONS AND OSHA STANDARDS.
- ENDS OF UNFINISHED PIPE SHALL BE SEALED AT THE END OF EACH DAY.
- PIPE SHALL BE LAID IN THE UPHILL DIRECTION, WITH BELL ENDS UPHILL.
- THE CONTRACTOR SHALL COORDINATE ALL WATER MAIN SHUT DOWNS AND TIE-INS WITH THE WATER UTILITY A MINIMUM OF FORTY-EIGHT (48) HOURS OR TWO (2)

BUSINESS DAYS IN ADVANCE

- ALL UNDERGROUND VALVES, TEES, FITTINGS, ETC. LARGER THAN 2" SHALL BE COATED TO PROTECT AGAINST CORROSION.
- ALL WATER PROJECT MATERIAL (PIPES, VALVES, LATERALS AND APPURTENANCES) SHALL BE LEAD FREE AND MEET THE MINIMUM REQUIREMENTS OF THE NEVADA ADMINISTRATIVE CODE AND NS/FANSI 61.
- ALL THRUST BLOCKS SHALL BE INSPECTED PRIOR TO BACK-FILL.
- ALL BOLTS AT THRUST BLOCKS AND VALVE SADDLES SHALL BE COVERED WITH VISQUEEN AND TAPED PRIOR TO CONCRETE PLACEMENT.
- THE WATER MAINS SHALL NOT BE PLACED INTO SERVICE UNTIL:
 - THE WATER MAIN HAS BEEN DISINFECTED IN ACCORDANCE WITH AWWA C651, NEVADA DEPARTMENT OF ENVIRONMENTAL PROTECTION (NDEP), THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTIONS STANDARDS.
 - THE DISPOSAL OF ANY SPENT CHLORINE SOLUTIONS MUST BE COORDINATED WITH NDEP'S BUREAU OF WATER POLLUTION CONTROL.
 - ANALYSIS OF THE WATER MAIN WHICH INDICATE THAT THE WATER MEETS PRIMARY DRINKING WATER STANDARDS FOR COLIFORM BACTERIA (ABSENT FOR COLIFORM BACTERIA) HAVE BEEN OBTAINED AND REPORTED TO NDEP'S BUREAU OF SAFE DRINKING WATER. SAMPLING SHALL BE IN ACCORDANCE WITH NDEP REGULATIONS.
- PVC PIPE SHALL BE TESTED PER AWWA C605 AND DUCTILE IRON PIPE SHALL BE TESTED FOR AWWA C600. OTHER MATERIALS SHALL BE TESTED PER REQUIREMENTS IN THE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION SECTION 336.
- CONTRACTOR SHALL CONDUCT PIPING TESTS BEFORE JOINTS ARE COVERED AND AFTER THRUST BLOCKS HAVE HARDENED SUFFICIENTLY. FILL PIPELINE 24 HOURS BEFORE TESTING AND APPLY TEST PRESSURE TO STABILIZE SYSTEM. USE ONLY POTABLE WATER.
- CONTRACTOR SHALL PERFORM PLASTIC PIPE BALL AND MANDREL TEST ON NEWLY INSTALLED SEWER PIPE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- CONTRACTOR SHALL PERFORM AIR PRESSURE TESTING ON NEWLY INSTALLED SEWER PIPE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTIONS.

GRADING, EXCAVATION & SURFACE IMPROVEMENTS

- THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING THEIR OWN QUANTITY TAKE-OFF AND SHALL BUDGET THE PROJECT ACCORDINGLY. ALL EXCESS GRADING MATERIALS SHALL BE DISPOSED OF OFFSITE.
- CONTRACTOR SHALL PROTECT EXISTING PAVING, CONCRETE, LANDSCAPING, FENCING, MAILBOXES, SIGNS AND ANY OTHER IMPROVEMENTS NOT SPECIFICALLY CALLED OUT FOR REPLACEMENT. CONTRACTOR SHALL REPAIR/REPLACE ANYTHING DAMAGED BY FORCES UNDER THEIR EMPLOY OR CONTRACT.
- ALL ASPHALT CONCRETE SURFACES SHALL BE SAWCUT THREE FEET MINIMUM INSIDE THE EDGE OF PAVEMENT TO A NEAT, STRAIGHT LINE AND REMOVED. THE EXPOSED PAVEMENT TIE-IN EDGES SHALL BE METICULOUSLY CLEANED OF ALL LOOSE MATERIAL AND THEN TREATED WITH BITUMINOUS EMULSION PRIOR TO PAVING. THE EXPOSED BASE MATERIALS SHALL BE GRADED AND RECOMPACTED PRIOR TO PAVING.

ENVIRONMENTAL

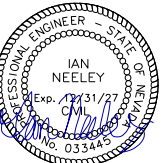
- ALL CONSTRUCTION SHALL BE PERFORMED IN COMPLIANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES). CONTRACTOR IS RESPONSIBLE FOR ACQUIRING AND MAINTAINING A SWPPP.
- INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION OF EROSION AND SILTATION FROM ENTERING THE STORM DRAIN SYSTEM, NATURAL DRAINAGE COURSES, AND/OR INTRUDING UPON ADJACENT ROADWAYS AND PROPERTIES. EROSION CONTROL MEASURES SHOWN ON THESE PLANS ARE INTENDED AS A GUIDE. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS DETERMINED IN THE FIELD. THIS RESPONSIBILITY SHALL APPLY THROUGHOUT THE COURSE OF CONSTRUCTION AND UNTIL ALL DISTURBED AREAS HAVE BECOME STABILIZED AND SHALL NOT BE LIMITED TO WET WEATHER PERIODS. THE CONTRACTOR IS RESPONSIBLE FOR SWPPP UPDATES.
- THE CONTRACTOR SHALL MAINTAIN AN ON-GOING DUST CONTROL PROGRAM INCLUDING WATERING OF OPEN AREAS, TO CONFORM WITH THE LATEST FEDERAL, STATE, AND COUNTY AIR POLLUTION REGULATIONS. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND UPDATING DUST CONTROL PERMITS FOR THE PROJECT.
- ALL AREAS DISTURBED AND LEFT UNDEVELOPED FOR A PERIOD OF MORE THAN 30 DAYS SHALL BE STABILIZED BY THE APPLICATION OF AN APPROVED DUST PALLIATIVE OR HYDROMULCH.
- THE CONTRACTOR SHALL IDENTIFY A STANDBY CREW FOR EMERGENCY WORK AND THEY SHALL BE AVAILABLE AT ALL TIMES. MATERIAL NECESSARY TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES OR TO REPAIR DAMAGED EROSION CONTROL MEASURES SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT APPROVED LOCATIONS.
- PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS SHALL BE USED TO PROTECT ADJOINING PROPERTIES DURING CONSTRUCTION OF IMPROVEMENTS.
- AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM CHECK BERMS AND DESILTING FACILITIES. GRADED SLOPE SURFACE PROTECTION MEASURES DAMAGED DURING THE RAINSTORM SHALL ALSO BE REPAIRED.
- FILL SLOPE AT THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE TOP OF THE SLOPE AT THE END OF EACH WORKING DAY.
- ALL DISTURBED AREAS ARE REQUIRED TO HAVE A PALLIATIVE APPLIED FOR DUST CONTROL. ALL GRADING SHALL COMPLY WITH STATE AND COUNTY REGULATIONS. A SIX-FOOT HIGH PERIMETER FENCE OR A 24-HOUR GUARD SHALL BE POSTED ON THE SITE WHENEVER THE DEPTH OF WATER IN A FACILITY EXCEEDS 18".
- ALL AREAS DISTURBED BECAUSE OF THE WORK SHALL BE REVEGETATED IN ACCORDANCE WITH INDUSTRY BEST MANAGEMENT PRACTICES.
- NO CONSTRUCTION MATERIALS SHALL BE STORED IN A STREAM ENVIRONMENT ZONES (SEZ) AT ANY TIME.
- IF GROUNDWATER IS ENCOUNTERED, THE CONTRACTOR SHALL STOP WORK IMMEDIATELY, PREPARE A DEWATERING PLAN, AND OBTAIN APPROVAL FROM THE PROJECT ENGINEER BEFORE PROCEEDING WITH WORK. DEWATERING ACTIVITIES MAY REQUIRE THE CONTRACTOR TO OBTAIN A DISCHARGE/PUMPING PERMIT FROM THE STATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN SUCH PERMITS.
- ALL STREETS SHALL BE MAINTAINED FREE OF DUST AND MUD CAUSED BY GRADING OPERATIONS.



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04/06/26

CITY OF SPARKS

BY

REV.	DATE	DESCRIPTION

BAR IS 1 INCH ON ORIGINAL DRAWING

0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

C1.1

DRAWN BY: AAH
DESIGNED BY: AAH
CHECKED BY: IPN
JOB NO.: 12421.000

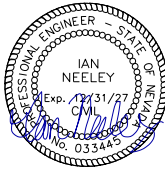
NEVADA

WASHOE

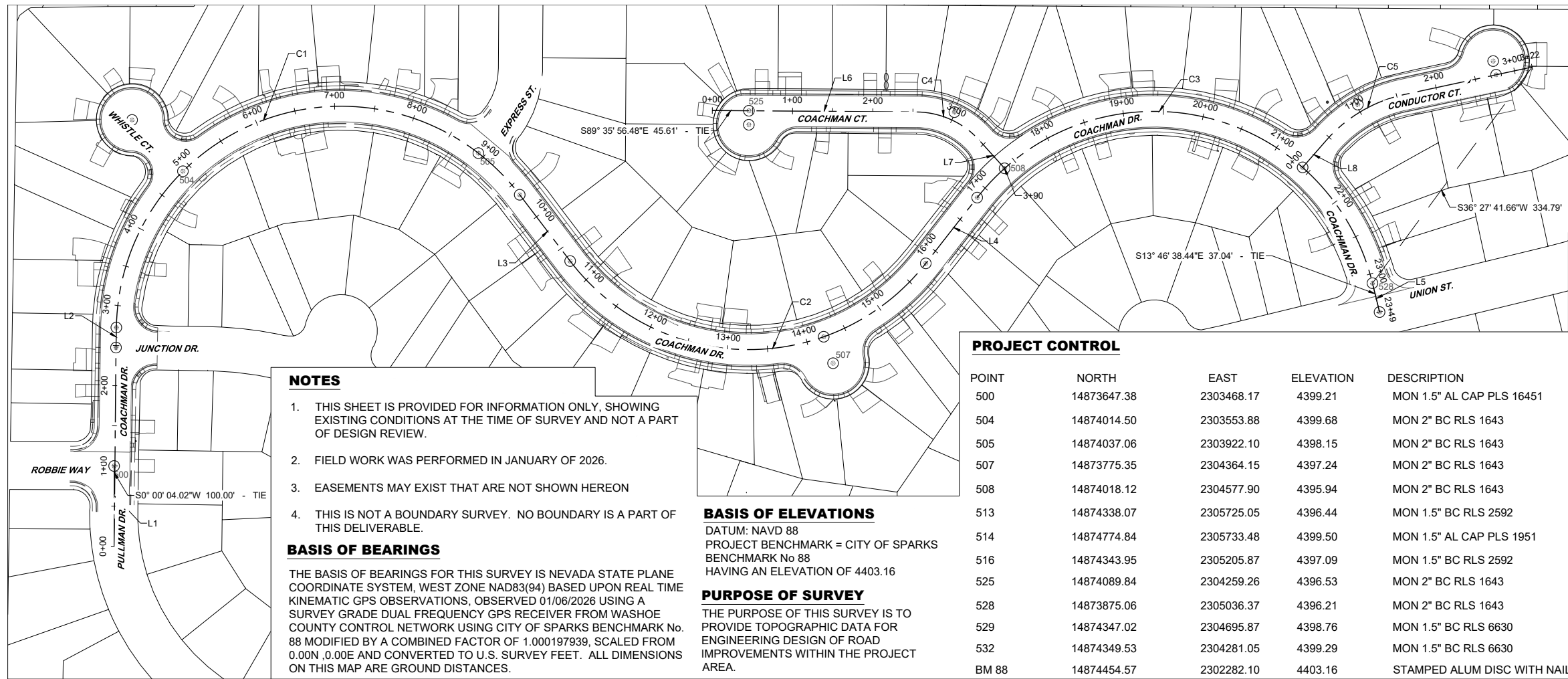
SPARKS

BID SET PLANS
NOT FOR CONSTRUCTION
APRIL 2026

L:\A\Pro\12421.000 - 2026 Street Rehabilitation - Unit 1\3-Design\DWG\Civil\Sheets\12421.000 - TITLE NOTES AND INDEX.dwg:1.1 NOTES SHEET, 04/06/2026 12:56 pm hreeley



04/06/26



LINE TABLE

LINE #	LENGTH	DIRECTION
L1	247.48'	N0°32'32"E
L2	25.49'	N0°59'12"E
L3	103.46'	S37°16'28"E
L4	103.77'	N38°01'29"E
L5	37.80'	S13°46'38"E
L6	254.07'	S89°35'56"E
L7	46.99'	S42°01'44"E
L8	44.84'	N41°08'42"E
L9	163.56'	N77°52'09"E

CURVE TABLE

CURVE #	LENGTH	RADIUS	DELTA
C1	692.67'	280.00'	141°44'20"
C2	511.66'	280.00'	104°42'03"
C3	626.49'	280.00'	128°11'52"
C4	88.84'	107.00'	47°34'12"
C5	114.09'	178.00'	36°43'27"

PROJECT CONTROL

POINT	NORTH	EAST	ELEVATION	DESCRIPTION
500	14873647.38	2303468.17	4399.21	MON 1.5" AL CAP PLS 16451
504	14874014.50	2303553.88	4399.68	MON 2" BC RLS 1643
505	14874037.06	2303922.10	4398.15	MON 2" BC RLS 1643
507	14873775.35	2304364.15	4397.24	MON 2" BC RLS 1643
508	14874018.12	2304577.90	4395.94	MON 2" BC RLS 1643
513	14874338.07	2305725.05	4396.44	MON 1.5" BC RLS 2592
514	14874774.84	2305733.48	4399.50	MON 1.5" AL CAP PLS 1951
516	14874343.95	2305205.87	4397.09	MON 1.5" BC RLS 2592
525	14874089.84	2304259.26	4396.53	MON 2" BC RLS 1643
528	14873875.06	2305036.37	4396.21	MON 2" BC RLS 1643
529	14874347.02	2304695.87	4398.76	MON 1.5" BC RLS 6630
532	14874349.53	2304281.05	4399.29	MON 1.5" BC RLS 6630
BM 88	14874454.57	2302282.10	4403.16	STAMPED ALUM DISC WITH NAIL

NOTES

1. THIS SHEET IS PROVIDED FOR INFORMATION ONLY, SHOWING EXISTING CONDITIONS AT THE TIME OF SURVEY AND NOT A PART OF DESIGN REVIEW.
2. FIELD WORK WAS PERFORMED IN JANUARY OF 2026.
3. EASEMENTS MAY EXIST THAT ARE NOT SHOWN HEREON
4. THIS IS NOT A BOUNDARY SURVEY. NO BOUNDARY IS A PART OF THIS DELIVERABLE.

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS NEVADA STATE PLANE COORDINATE SYSTEM, WEST ZONE NAD83(94) BASED UPON REAL TIME KINEMATIC GPS OBSERVATIONS, OBSERVED 01/06/2026 USING A SURVEY GRADE DUAL FREQUENCY GPS RECEIVER FROM WASHOE COUNTY CONTROL NETWORK USING CITY OF SPARKS BENCHMARK No. 88 MODIFIED BY A COMBINED FACTOR OF 1.000197939, SCALED FROM 0.00N, 0.00E AND CONVERTED TO U.S. SURVEY FEET. ALL DIMENSIONS ON THIS MAP ARE GROUND DISTANCES.

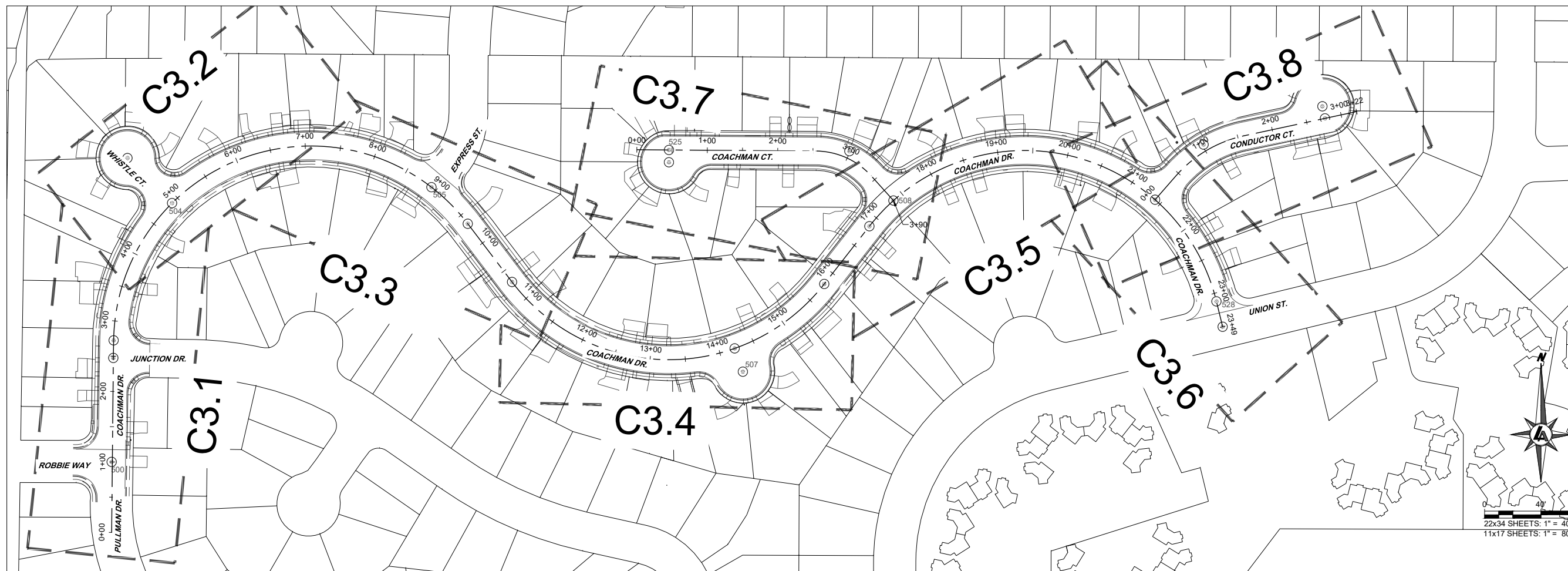
BASIS OF ELEVATIONS

DATUM: NAVD 88
PROJECT BENCHMARK = CITY OF SPARKS BENCHMARK No 88
HAVING AN ELEVATION OF 4403.16

PURPOSE OF SURVEY

THE PURPOSE OF THIS SURVEY IS TO PROVIDE TOPOGRAPHIC DATA FOR ENGINEERING DESIGN OF ROAD IMPROVEMENTS WITHIN THE PROJECT AREA.

SURVEY CONTROL SHOWN ON THIS SHEET SHOULD BE CHECKED AND VERIFIED BY A PROFESSIONAL LAND SURVEYOR. THE USE OF THIS SURVEY CONTROL OR ANY COORDINATES OR ELEVATIONS SHOWN ON A PLAN SET, TO LOCATE OR ESTABLISH ANY FIXED WORKS DESIGNED BY A PROFESSIONAL ENGINEER PER NEVADA CODE NRS625.050, SHALL ONLY BE USED BY OR UNDER THE RESPONSIBLE CHARGE OF A PROFESSIONAL LAND SURVEYOR.



CITY OF SPARKS
 2026 STREET REHABILITATION PROJECT
 CONTROL AND INDEX SHEET
 SPARKS
 WASHOE
 NEVADA

REV	DATE	DESCRIPTION

BY: _____
 CHECKED BY: _____
 DATE: _____

BAR IS 1 INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

C2.0

DRAWN BY: AAH
 DESIGNED BY: AAH
 CHECKED BY: IPN
 JOB NO.: 12421.000

PROJECT CONTROL

POINT	NORTH	EAST	ELEVATION	DESCRIPTION
500	14873647.38	2303468.17	4399.21	MON 1.5" AL CAP PLS 16451
504	14874014.50	2303553.88	4399.68	MON 2" BC RLS 1643
505	14874037.06	2303922.10	4398.15	MON 2" BC RLS 1643
507	14873775.35	2304364.15	4397.24	MON 2" BC RLS 1643
508	14874018.12	2304577.90	4395.94	MON 2" BC RLS 1643
513	14874338.07	2305725.05	4396.44	MON 1.5" BC RLS 2592
514	14874774.84	2305733.48	4399.50	MON 1.5" AL CAP PLS 1951
516	14874343.95	2305205.87	4397.09	MON 1.5" BC RLS 2592
525	14874089.84	2304259.26	4396.53	MON 2" BC RLS 1643
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529	14874347.02	2304695.87	4398.76	MON 1.5" BC RLS 6630
532	14874349.53	2304281.05	4399.29	MON 1.5" BC RLS 6630
BM 88	14874454.57	2302282.10	4403.16	STAMPED ALUM DISC WITH NAIL

SURVEY CONTROL SHOWN ON THIS SHEET SHOULD BE CHECKED AND VERIFIED BY A PROFESSIONAL LAND SURVEYOR. THE USE OF THIS SURVEY CONTROL OR ANY COORDINATES OR ELEVATIONS SHOWN ON A PLAN SET, TO LOCATE OR ESTABLISH ANY FIXED WORKS DESIGNED BY A PROFESSIONAL ENGINEER PER NEVADA CODE NRS625.050, SHALL ONLY BE USED BY OR UNDER THE RESPONSIBLE CHARGE OF A PROFESSIONAL LAND SURVEYOR.

NOTES

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- FIELD WORK WAS PERFORMED IN JANUARY OF 2026.
- EASEMENTS MAY EXIST THAT ARE NOT SHOWN HEREON
- THIS IS NOT A BOUNDARY SURVEY. NO BOUNDARY IS A PART OF THIS DELIVERABLE.

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS NEVADA STATE PLANE COORDINATE SYSTEM, WEST ZONE NAD83(94) BASED UPON REAL TIME KINEMATIC GPS OBSERVATIONS, OBSERVED 01/06/2026 USING A SURVEY GRADE DUAL FREQUENCY GPS RECEIVER FROM WASHOE COUNTY CONTROL NETWORK USING CITY OF SPARKS BENCHMARK No. 88 MODIFIED BY A COMBINED FACTOR OF 1.000197939, SCALED FROM 0.00N .0.00E AND CONVERTED TO U.S. SURVEY FEET. ALL DIMENSIONS ON THIS MAP ARE GROUND DISTANCES.

BASIS OF ELEVATIONS

DATUM: NAVD 88
 PROJECT BENCHMARK = CITY OF SPARKS
 BENCHMARK No 88
 HAVING AN ELEVATION OF 4403.16

PURPOSE OF SURVEY

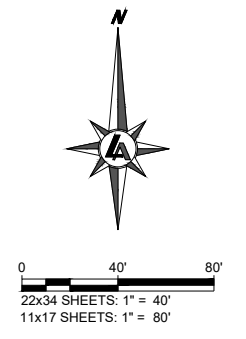
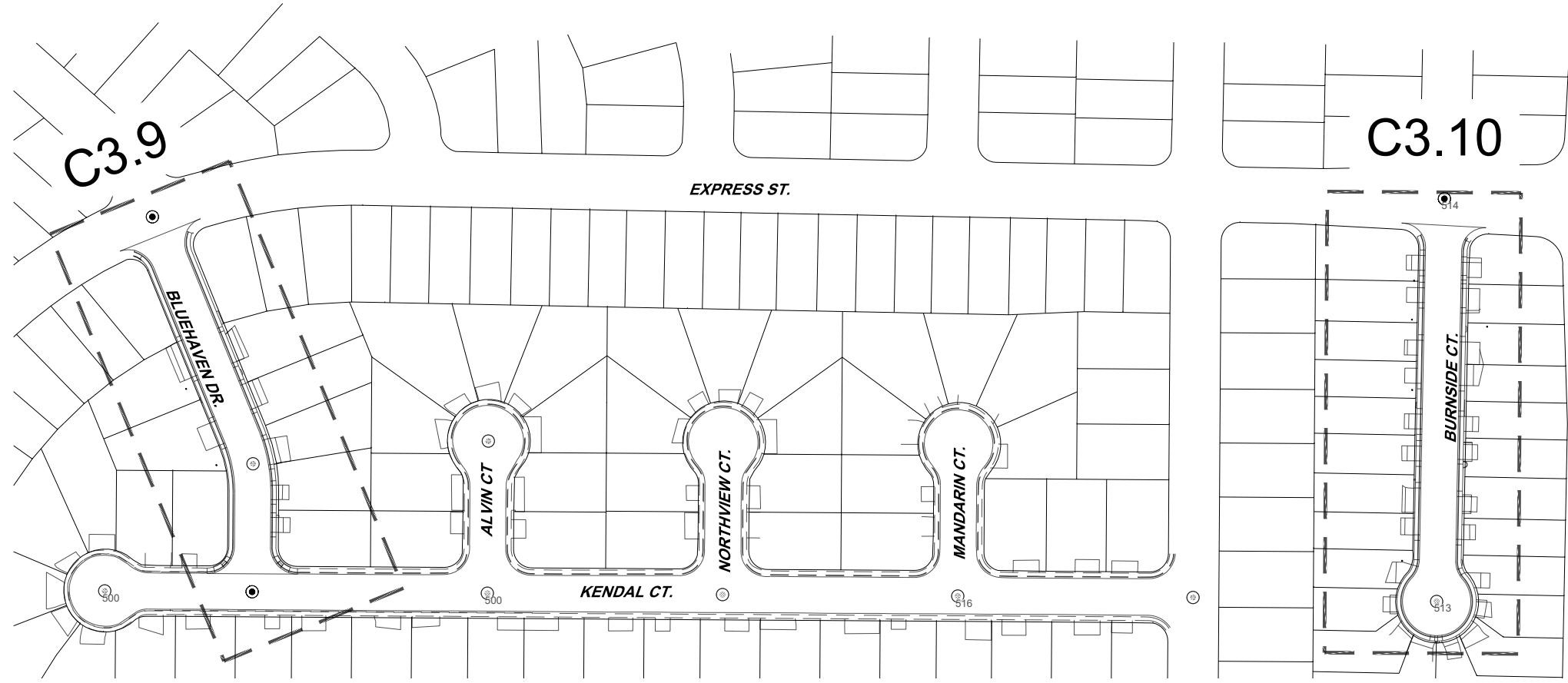
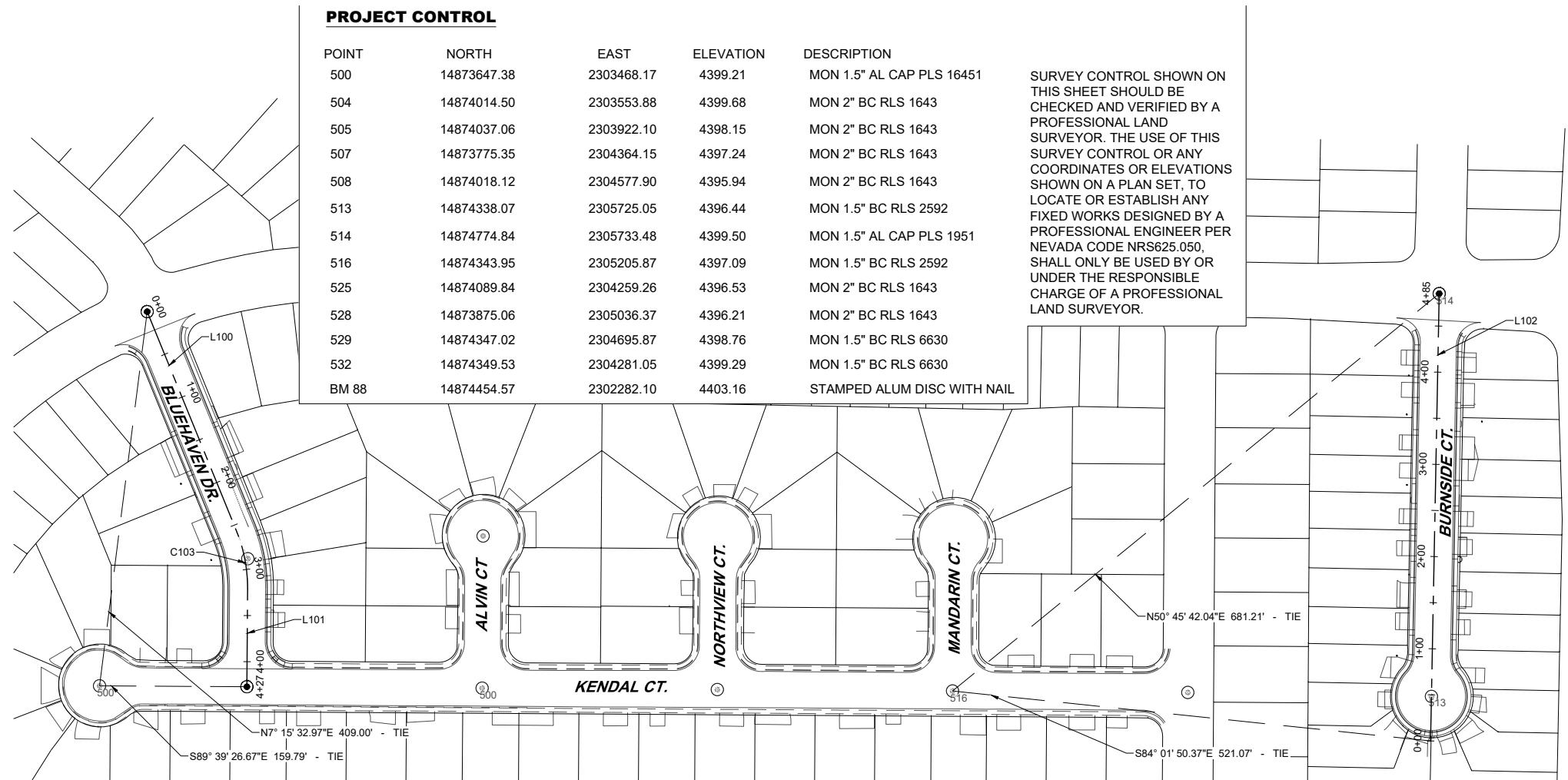
THE PURPOSE OF THIS SURVEY IS TO PROVIDE TOPOGRAPHIC DATA FOR ENGINEERING DESIGN OF ROAD IMPROVEMENTS WITHIN THE PROJECT AREA.

LINE TABLE

LINE #	LENGTH	DIRECTION
L100	256.63'	S22°09'15"E
L101	106.21'	S0°23'47"W
L102	485.17'	N1°06'21"E

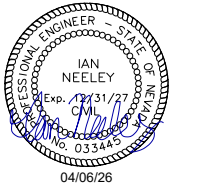
CURVE TABLE

CURVE #	LENGTH	RADIUS	DELTA
C103	64.35'	163.50'	22°33'02"



950 SANDHILL ROAD, SUITE 100
 RENO, NV 89521
 TEL: 775.827.6111
 WWW.LUMOSINC.COM
 INFO@LUMOSINC.COM

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CITY OF SPARKS
 2026 STREET REHABILITATION PROJECT
 CONTROL AND INDEX SHEET
 SPARKS
 WASHOE
 NEVADA

REV	DATE	DESCRIPTION

BY: _____
 DATE: _____
 DESCRIPTION: _____

BID SET PLANS
 NOT FOR CONSTRUCTION
 APRIL 2026

BAR IS 1 INCH ON ORIGINAL DRAWING

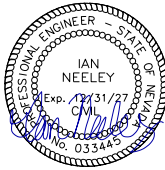
0 1" 80'

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

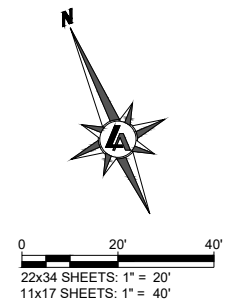
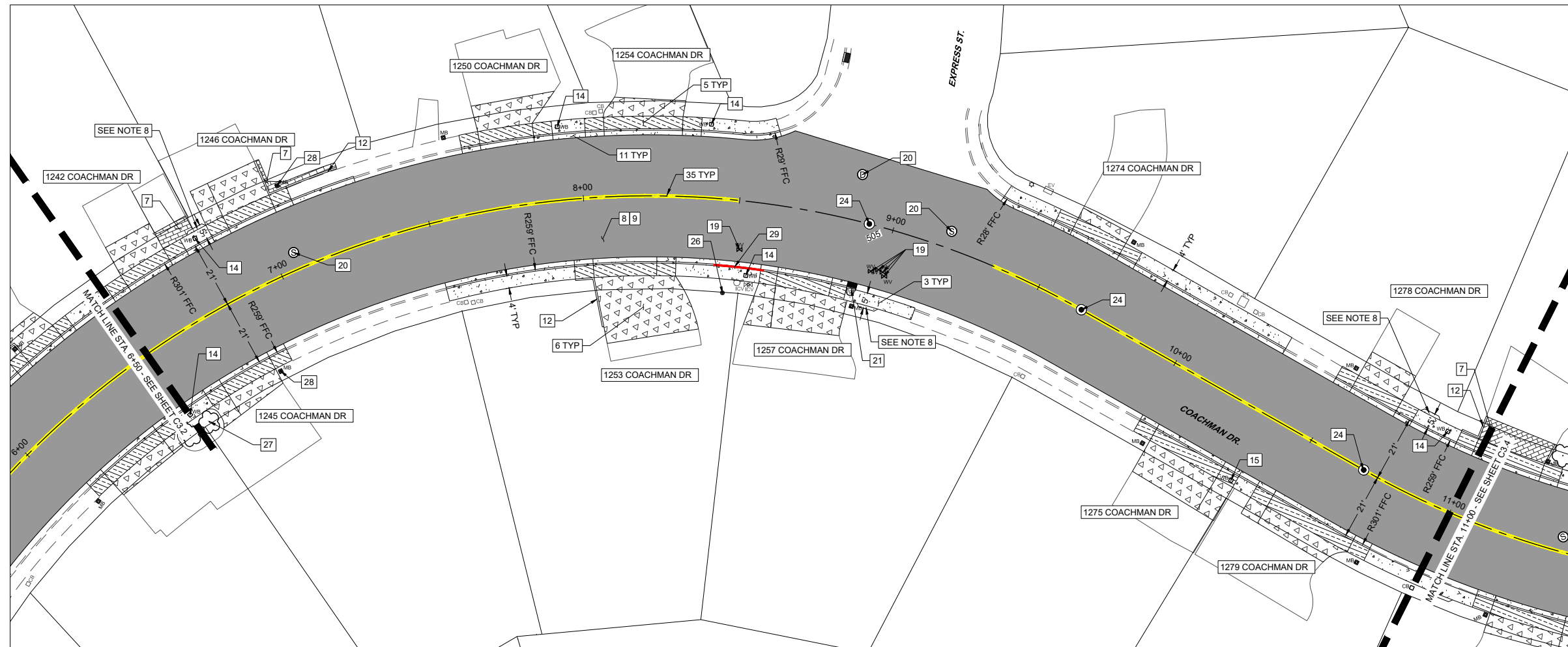
C2.1

DRAWN BY: AAH
 DESIGNED BY: AAH
 CHECKED BY: IPN
 JOB NO.: 12421.000

L:\A\Pro\12421.000 - 2026 Street Rehabilitation - Unit 1\3-Design\DWG\Civil\Sheets\12421.000 - TITLE NOTES AND INDEX.dwg C2.1 CONTROL AND INDEX SHEET.
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CITY OF SPARKS
2026 STREET REHABILITATION PROJECT
SURFACE IMPROVEMENT PLAN
COACHMAN DR STA 6+50 TO 11+00
SPARKS
NEVADA
WASHOE



SHEET C3.3 SURFACE IMPROVEMENT QUANTITIES

NO.	IMPROVEMENT TYPE	UNIT	QTY.	DETAIL	SHEET
1	INSTALL NEW PCC ADA PEDESTRIAN RAMP	EA		S-106A/D	D1.0
2	REMOVE EXISTING AND INSTALL NEW PCC ADA PEDESTRIAN RAMP	EA		S-106A/D	D1.0
3	REMOVE EXISTING AND CONSTRUCT PCC SIDEWALK/ENTRY WAY/PASSING ZONE	SF	1,049	S-103	D1.0
4	REMOVE EXISTING AND CONSTRUCT PCC MOW STRIP	SF		C-14	D1.1
5	REMOVE EXISTING AND CONSTRUCT PCC RESIDENTIAL DRIVEWAY	SF	1,424	C-11/C-12/C-13	D1.1
6	REMOVE EXISTING AND CONSTRUCT PCC DRIVEWAY TRANSITION (CONTINGENT ITEM)	SF	2,598	C-11/C-12/C-13	D1.1
7	REMOVE, SALVAGE AND REINSTALL PAVER DRIVEWAY/WALKWAY	SF	131	C-11/C-13	D1.1
8	INSTALL 4" BITUMINOUS PLANTMIX FOR ROADWAY RECONSTRUCT SECTION	SF	17,747	S-101	D1.1
9	PERFORM ROADBED MODIFICATION (6" RECYCLED AGGREGATE BASE)	SF	17,747	S-101	D1.1
10	REMOVE EXISTING COMPOSITE ROADWAY SECTION. FURNISH AND INSTALL AGGREGATE BASE (8" TYPE II CLASS B AGGREGATE BASE) COACHMAN COURT	SF		S-101	D1.1
11	REMOVE EXISTING AND CONSTRUCT PCC TYPE 1 CURB AND GUTTER	LF	596	S-109	D1.0
12	INSTALL NEW PCC POST CURB	LF	48	C-01	D1.0
13	REMOVE EXISTING AND CONSTRUCT PCC POST CURB	LF		C-01	D1.0
14	PROTECT AND ADJUST STANDARD WATER METER BOX TO NEW FINISH GRADE (CONTINGENT ITEM)	EA	6	S-407G/S-407H	D1.2
15	REMOVE EXISTING AND INSTALL AND ADJUST NEW STANDARD OR TRAFFIC RATED WATER METER BOX (TMWA FURNISHED) TO NEW FINISH GRADE (CONTINGENT ITEM)	EA	1	S-407G/S-407H	D1.2
16	PROTECT AND ADJUST STANDARD OR TRAFFIC RATED ELECTRICAL BOX TO NEW FINISH GRADE	EA		S-407G/S-407H	D1.2
17	REMOVE EXISTING AND INSTALL AND ADJUST NEW STANDARD OR TRAFFIC RATED COMMUNICATIONS BOX TO NEW FINISH GRADE	EA		S-407G/S-407H	D1.2
18	PROTECT AND ADJUST STANDARD OR TRAFFIC RATED COMMUNICATIONS BOX TO NEW FINISH GRADE	EA		S-407G/S-407H	D1.2
19	PROTECT AND ADJUST UTILITY VALVE TO FINISH GRADE	EA	5	C-21	D1.2
20	PROTECT AND ADJUST MANHOLE STRUCTURE (NEW OR EXISTING) TO NEW FINISH GRADE WITH NEW PCC COLLAR, AND PROVIDE NEW 24" CITY OF SPARKS LOGO COVER	EA	3	S-209/S-210A	D1.4
21	REMOVE EXISTING AND FURNISH & INSTALL TYPE 4R CATCH BASIN	EA	1	S-204A/B	D1.2
22	REMOVE EXISTING PIPE AND INSTALL 12" SDR-35 PVC PIPE	LF		C-42	D1.4
23	REMOVE AND REPLACE 4.5' OR 6' HIGH FENCING AND GATES (CHAIN-LINK, WOOD, WROUGHT IRON), (CONTINGENT ITEM)	LF		C-32/C-33	D1.3
24	REMOVE, FURNISH AND INSTALL SURVEY MONUMENTS	EA	3	S-118	D1.2
25	PERFORM TREE REMOVAL BY AN ISA CERTIFIED ARBORIST (CONTINGENT ITEM)	EA			
26	PROVIDE ROOT MITIGATION BY AN ISA CERTIFIED ARBORIST (TREES) (CONTINGENT ITEM)	HR	4	C-31	D1.3
27	PROVIDE ROOT MITIGATION BY AN ISA CERTIFIED ARBORIST (PLANTS/BUSHES) (CONTINGENT ITEM)	HR	4	C-31	D1.3
28	SALVAGE AND REINSTALL MAILBOX	EA	2	C-34	D1.3
29	PAINT CURB	LF	16	M.U.T.C.D. 3G.01	N/A
30	FURNISH AND INSTALL NEW TRAFFIC SIGN BASE, ANCHOR, AND POST	EA		S-401A	D1.3
31	FURNISH AND INSTALL NEW TRAFFIC SIGN ASSEMBLY	EA		S-401B	D1.3
32	REMOVE AND REPLACE TRAFFIC SIGN BASE, ANCHOR, AND POST	EA		S-401A/B	D1.3
33	REMOVE AND REPLACE TRAFFIC SIGN ASSEMBLY	EA		S-401A/B	D1.3
34	REMOVE AND REPLACE STREET NAME SIGNS	EA		S-401A/B	D1.3
35	INSTALL 4-INCH SOLID DOUBLE YELLOW STRIPE (TYPE II WATERBORNE)	LF	365		
36	INSTALL 24" STOP BAR (THERMOPLASTIC)	LF		S-411	D1.3
37	INSTALL 24" INTERNATIONAL CROSSWALK (THERMOPLASTIC)	LF		S-411	D1.3
38	INSTALL YIELD TRIANGLES (THERMOPLASTIC)	EA		S-411	D1.3
39	INSTALL 8-FOOT STOP LEGEND, PREFORMED PAVEMENT MARKINGS (THERMOPLASTIC)	EA			

DRIVEWAY TABLE					
STATION, OFFSET	STREET ADDRESS	DEPRESSION WIDTH	TRANSITION LENGTH, APPROX. SLOPE	WING TRANSITION TYPE* (UP STATION)	WING TRANSITION TYPE* (DOWN STATION)
6+64.34, 21.50' LT	1242 COACHMAN DR	16'	10.2' 12%	L	L
6+74.76, 21.50' RT	1245 COACHMAN DR	17.5'	7.3' 12%	L	W
6+99.00, 21.50' LT	1246 COACHMAN DR	16'	11.7' 12%	P	W
7+78.57, 21.50' LT	1250 COACHMAN DR	17.5'	8.5' 12%	L	L
8+12.70, 21.50' RT	1253 COACHMAN DR	20.5'	21.25' 12%	W	P
8+19.28, 21.50' LT	1254 COACHMAN DR	25.25'	6.25' 12%	L	L
8+75.14, 21.50' RT	1257 COACHMAN DR	17.75'	13.5' 12%	W	W
9+59.35, 21.50' LT	1274 COACHMAN DR	17'	3.75' 12%	L	L
10+17.39, 21.50' RT	1275 COACHMAN DR	24.5'	11.4' 12%	W	L
10+60.98, 21.50' LT	1278 COACHMAN DR	16'	10.5' 12%	L	L
10 62.81, 21.50' RT	1279 COACHMAN DR	29.5'	6' 12%	L	W

*P - POST CURB, L - LANDSCAPE GRADING, W - WARPED PANEL

GENERAL NOTES:

- CONTRACTOR TO PROTECT EXISTING CONCRETE FLATWORK AND CURB & GUTTER UNLESS DESIGNATED FOR REMOVAL AND REPLACEMENT. CONTRACTOR TO REPLACE FULL SIDEWALK PANEL WIDTH AS INDICATED IN PLANS.
- PCC REMOVAL SAWCUTS TO BE COMPLETED AT NEAREST EXISTING JOINT AT ALL LOCATIONS WHERE FEASIBLE.
- CONTRACTOR TO COORDINATE WITH TMWA ON CONDITION OF EXISTING BOXES FOR PROTECTION OR REPLACEMENT. EXISTING NON-TRAFFIC RATED BOXES WITHIN PROPOSED DRIVEWAY APRONS OR WINGS ARE TO BE REPLACED WITH NEW TRAFFIC RATED BOXES. CONTRACTOR SHALL BE REQUIRED TO ATTEND PRE-CONSTRUCTION WALK WITH THE TMWA INSPECTOR TO ESTABLISH MUTUAL AGREEMENT ON WATER METER ADJUSTMENTS.
- CATCH BASINS AND MANHOLES WITHIN 10FT OF WATER FACILITIES ARE REQUIRED TO BE WATER-TIGHT PER NAC445A.67153.
- WING LENGTHS OF DRIVEWAYS ESTIMATED TO BE 5' OR 6' BUT MAY BE CHANGED DUE TO FIELD CONDITIONS.
- TYPICAL PEDESTRIAN RAMP LANDINGS ARE 5' WIDE.
- DRIVEWAY TRANSITIONS MEASURED AT CENTER OF DRIVEWAY OR LONGEST SIDE OF DRIVEWAY IN SITUATIONS WHERE DRIVEWAYS ARE UNEVEN.
- CONTRACTOR TO INSTALL 5' PASSING SPACE TO MEET PROWAG REQUIREMENTS. SEE DETAIL C-02/D1.0

IMPROVEMENT LEGEND

- 6" ROAD BED MODIFICATION
- 8" TYPE 2 AGGREGATE BASE
- PCC SIDEWALK OR FLATWORK
- PCC RESIDENTIAL DRIVEWAY
- PCC DRIVEWAY TRANSITION
- PAVERS
- PCC TYPE 1 CURB AND GUTTER

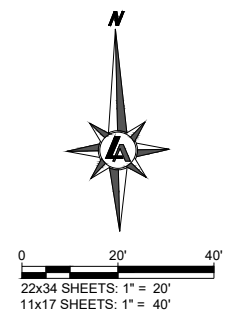
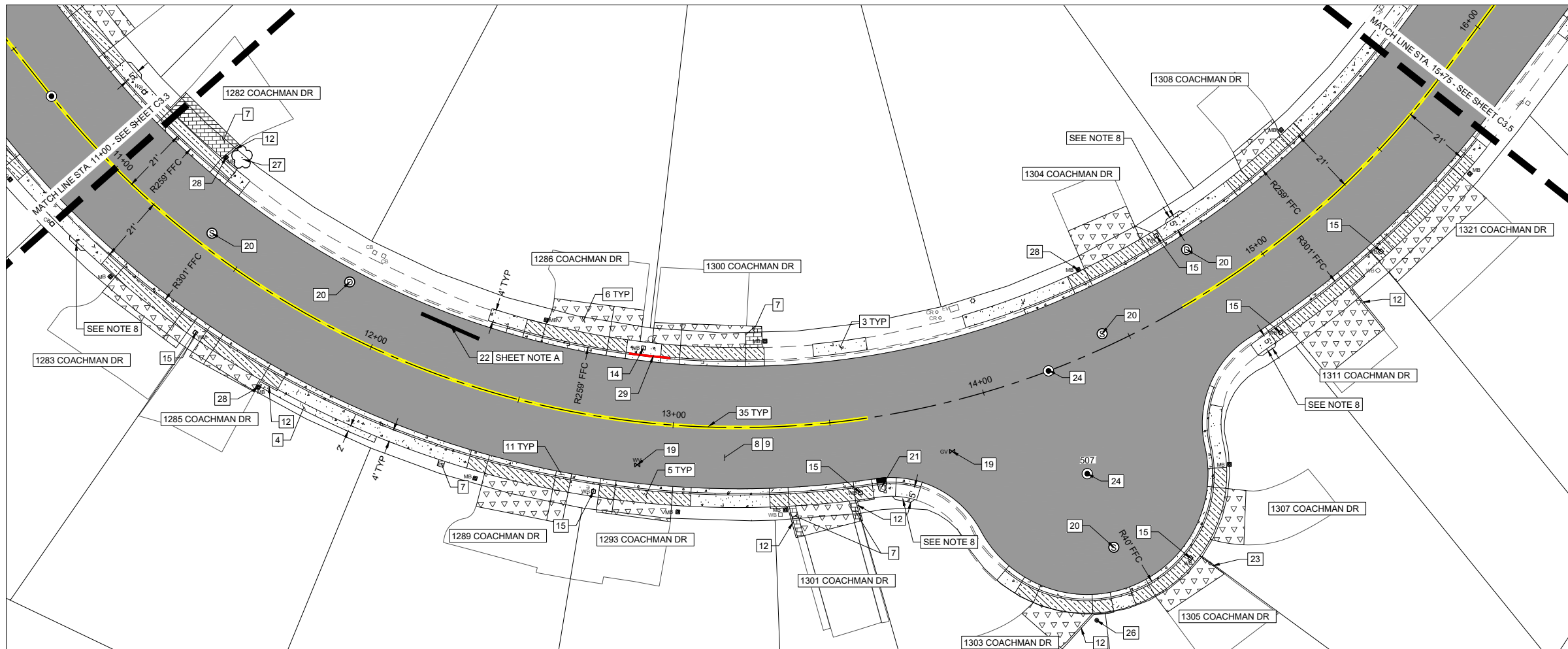
REV	DATE	DESCRIPTION

BAR IS 1 INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

C3.3

DRAWN BY: AAH
DESIGNED BY: AAH
CHECKED BY: IPN
JOB NO.: 12421.000



SHEET C3.4 SURFACE IMPROVEMENT QUANTITIES

NO.	IMPROVEMENT TYPE	UNIT	QTY.	DETAIL	SHEET
1	INSTALL NEW PCC ADA PEDESTRIAN RAMP	EA		S-106A/D	D1.0
2	REMOVE EXISTING AND INSTALL NEW PCC ADA PEDESTRIAN RAMP	EA		S-106A/D	D1.0
3	REMOVE EXISTING AND CONSTRUCT PCC SIDEWALK/ENTRY WAY/PASSING ZONE	SF	1,373	S-103	D1.0
4	REMOVE EXISTING AND CONSTRUCT PCC MOW STRIP	SF	79	C-14	D1.1
5	REMOVE EXISTING AND CONSTRUCT PCC RESIDENTIAL DRIVEWAY	SF	1,913	C-11/C-12/C-13	D1.1
6	REMOVE EXISTING AND CONSTRUCT PCC DRIVEWAY TRANSITION (CONTINGENT ITEM)	SF	2,867	C-11/C-12/C-13	D1.1
7	REMOVE, SALVAGE AND REINSTALL PAVER DRIVEWAY/WALKWAY	SF	217	C-11/C-13	D1.1
8	INSTALL 4" BITUMINOUS PLANTMIX FOR ROADWAY RECONSTRUCT SECTION	SF	22,371	S-101	D1.1
9	PERFORM ROADBED MODIFICATION (6" RECYCLED AGGREGATE BASE)	SF	22,371	S-101	D1.1
10	REMOVE EXISTING COMPOSITE ROADWAY SECTION. FURNISH AND INSTALL AGGREGATE BASE (8" TYPE II CLASS B AGGREGATE BASE) COACHMAN COURT	SF		S-101	D1.1
11	REMOVE EXISTING AND CONSTRUCT PCC TYPE 1 CURB AND GUTTER	LF	745	S-109	D1.0
12	INSTALL NEW PCC POST CURB	LF	102	C-01	D1.0
13	REMOVE EXISTING AND CONSTRUCT PCC POST CURB	LF		C-01	D1.0
14	PROTECT AND ADJUST STANDARD WATER METER BOX TO NEW FINISH GRADE (CONTINGENT ITEM)	EA	3	S-407G/S-407H	D1.2
15	REMOVE EXISTING AND INSTALL AND ADJUST NEW STANDARD OR TRAFFIC RATED WATER METER BOX (TMWA FURNISHED) TO NEW FINISH GRADE (CONTINGENT ITEM)	EA	7	S-407G/S-407H	D1.2
16	PROTECT AND ADJUST STANDARD OR TRAFFIC RATED ELECTRICAL BOX TO NEW FINISH GRADE	EA		S-407G/S-407H	D1.2
17	REMOVE EXISTING AND INSTALL AND ADJUST NEW STANDARD OR TRAFFIC RATED COMMUNICATIONS BOX TO NEW FINISH GRADE	EA		S-407G/S-407H	D1.2
18	PROTECT AND ADJUST STANDARD OR TRAFFIC RATED COMMUNICATIONS BOX TO NEW FINISH GRADE	EA		S-407G/S-407H	D1.2
19	PROTECT AND ADJUST UTILITY VALVE TO FINISH GRADE	EA	2	C-21	D1.2
20	PROTECT AND ADJUST MANHOLE STRUCTURE (NEW OR EXISTING) TO NEW FINISH GRADE WITH NEW PCC COLLAR, AND PROVIDE NEW 24" CITY OF SPARKS LOGO COVER	EA	5	S-209/S-210A	D1.4
21	REMOVE EXISTING AND FURNISH & INSTALL TYPE 4R CATCH BASIN	EA	1	S-204A/B	D1.2
22	REMOVE EXISTING PIPE AND INSTALL 12" SDR-35 PVC PIPE	LF	20	C-42	D1.4
23	REMOVE AND REPLACE 4.5' OR 6' HIGH FENCING AND GATES (CHAIN-LINK, WOOD, WROUGHT IRON), (CONTINGENT ITEM)	LF	8	C-32/C-33	D1.3
24	REMOVE, FURNISH AND INSTALL SURVEY MONUMENTS	EA	2	S-118	D1.2
25	PERFORM TREE REMOVAL BY AN ISA CERTIFIED ARBORIST (CONTINGENT ITEM)	EA			
26	PROVIDE ROOT MITIGATION BY AN ISA CERTIFIED ARBORIST (TREES) (CONTINGENT ITEM)	HR	4	C-31	D1.3
27	PROVIDE ROOT MITIGATION BY AN ISA CERTIFIED ARBORIST (PLANTS/BUSHES) (CONTINGENT ITEM)	HR	4	C-31	D1.3
28	SALVAGE AND REINSTALL MAILBOX	EA	3	C-34	D1.3
29	PAINT CURB	LF	13	M.U.T.C.D. 3G.01	N/A
30	FURNISH AND INSTALL NEW TRAFFIC SIGN BASE, ANCHOR, AND POST	EA		S-401A	D1.3
31	FURNISH AND INSTALL NEW TRAFFIC SIGN ASSEMBLY	EA		S-401B	D1.3
32	REMOVE AND REPLACE TRAFFIC SIGN BASE, ANCHOR, AND POST	EA		S-401A/B	D1.3
33	REMOVE AND REPLACE TRAFFIC SIGN ASSEMBLY	EA		S-401A/B	D1.3
34	REMOVE AND REPLACE STREET NAME SIGNS	EA		S-401A/B	D1.3
35	INSTALL 4-INCH SOLID DOUBLE YELLOW STRIPE (TYPE II WATERBORNE)	LF	368		
36	INSTALL 24" STOP BAR (THERMOPLASTIC)	LF		S-411	D1.3
37	INSTALL 24" INTERNATIONAL CROSSWALK (THERMOPLASTIC)	LF		S-411	D1.3
38	INSTALL YIELD TRIANGLES (THERMOPLASTIC)	EA		S-411	D1.3
39	INSTALL 8-FOOT STOP LEGEND, PREFORMED PAVEMENT MARKINGS (THERMOPLASTIC)	EA			

DRIVEWAY TABLE					
STATION, OFFSET	STREET ADDRESS	DEPRESSION WIDTH	TRANSITION LENGTH, APPROX. SLOPE	WING TRANSITION TYPE* (UP STATION)	WING TRANSITION TYPE* (DOWN STATION)
11+12.58, 21.50' LT	1282 COACHMAN DR	20.75'	7.5' 12%	P	P
11+33.47, 21.50' RT	1283 COACHMAN DR	23.75'	6.5' 12%	W	L
11+66.97, 21.50' RT	1285 COACHMAN DR	18'	5.75' 12%	P	W
12+55.99, 21.50' RT	1289 COACHMAN DR	22'	11' 12%	W	L
12+63.94, 21.50' LT	1286 COACHMAN DR	21'	10' 12%	W	L
12+93.19, 21.50' RT	1293 COACHMAN DR	18.5'	5.25' 12%	L	W
13+11.85, 21.50' LT	1300 COACHMAN DR	21'	7' 12%	L	W
13+45.38, 21.50' RT	1301 COACHMAN DR	21'	10' 12%	P	P
14+05.28, 70.38' RT	1303 COACHMAN DR	17.75'	15' 12%	P	L
14+40.95, 68.64' RT	1305 COACHMAN DR	39'	9.7' 12%	L	L
14+40.95, 68.64' RT	1307 COACHMAN DR	39'	11' 12%	L	L
14+57.47, 21.50' LT	1304 COACHMAN DR	20.5'	13.25' 12%	W	L
15+03.84, 21.50' RT	1311 COACHMAN DR	23'	17.4' 12%	P	L
15+20.54, 21.50' LT	1308 COACHMAN DR	17'	5.75' 12%	L	L
15+46.11, 21.50' RT	1321 COACHMAN DR	31.5'	10.3' 12%	L	L

*P - POST CURB, L - LANDSCAPE GRADING, W - WARPED PANEL

GENERAL NOTES:

- CONTRACTOR TO PROTECT EXISTING CONCRETE FLATWORK AND CURB & GUTTER UNLESS DESIGNATED FOR REMOVAL AND REPLACEMENT. CONTRACTOR TO REPLACE FULL SIDEWALK PANEL WIDTH AS INDICATED IN PLANS.
- PCC REMOVAL SAWCUTS TO BE COMPLETED AT NEAREST EXISTING JOINT AT ALL LOCATIONS WHERE FEASIBLE.
- CONTRACTOR TO COORDINATE WITH TMWA ON CONDITION OF EXISTING BOXES FOR PROTECTION OR REPLACEMENT. EXISTING NON-TRAFFIC RATED BOXES WITHIN PROPOSED DRIVEWAY APRONS OR WINGS ARE TO BE REPLACED WITH NEW TRAFFIC RATED BOXES. CONTRACTOR SHALL BE REQUIRED TO ATTEND PRE-CONSTRUCTION WALK WITH THE TMWA INSPECTOR TO ESTABLISH MUTUAL AGREEMENT ON WATER METER ADJUSTMENTS.
- CATCH BASINS AND MANHOLES WITHIN 10FT OF WATER FACILITIES ARE REQUIRED TO BE WATER-TIGHT PER NAC445A.67153.
- WING LENGTHS OF DRIVEWAYS ESTIMATED TO BE 5' OR 6' BUT MAY BE CHANGED DUE TO FIELD CONDITIONS.
- TYPICAL PEDESTRIAN RAMP LANDINGS ARE 5' WIDE.
- DRIVEWAY TRANSITIONS MEASURED AT CENTER OF DRIVEWAY OR LONGEST SIDE OF DRIVEWAY IN SITUATIONS WHERE DRIVEWAYS ARE UNEVEN.
- CONTRACTOR TO INSTALL 5' PASSING SPACE TO MEET PROWAG REQUIREMENTS. SEE DETAIL C-02/D1.0

SHEET NOTES:

- CONTRACTOR TO COORDINATE WITH THE CITY OF SPARKS TO POT HOLE AND REPLACE EXISTING STORM DRAIN PIPE.

IMPROVEMENT LEGEND

- 6" ROAD BED MODIFICATION
- 8" TYPE 2 AGGREGATE BASE
- PCC SIDEWALK OR FLATWORK
- PCC RESIDENTIAL DRIVEWAY
- PCC DRIVEWAY TRANSITION
- PAVERS
- PCC TYPE 1 CURB AND GUTTER

CITY OF SPARKS
 2026 STREET REHABILITATION PROJECT
 SURFACE IMPROVEMENT PLAN
 COACHMAN DR STA 11+00 TO 15+75
 WASHOE
 NEVADA
 SPARKS

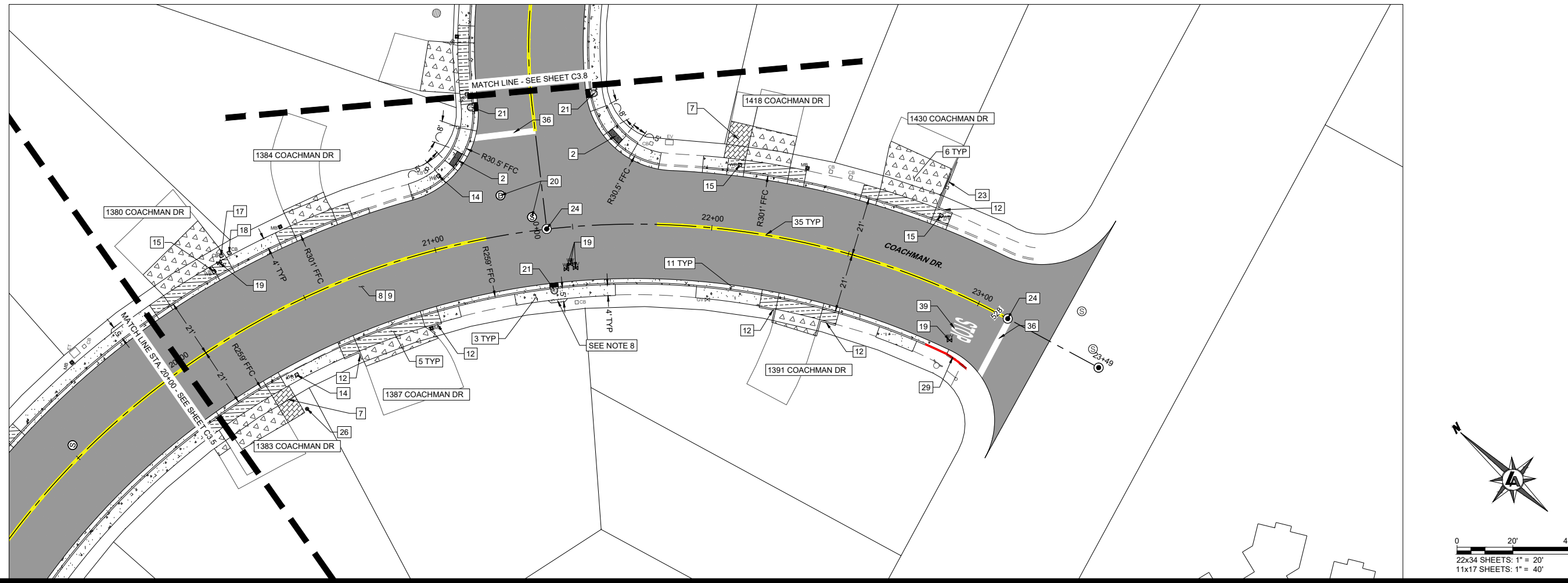
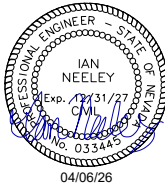
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C3.4

DRAWN BY: AAH
 DESIGNED BY: AAH
 CHECKED BY: IPN
 JOB NO.: 12421.000



SHEET C3.6 SURFACE IMPROVEMENT QUANTITIES

NO.	IMPROVEMENT TYPE	UNIT	QTY.	DETAIL	SHEET
1	INSTALL NEW PCC ADA PEDESTRIAN RAMP	EA		S-106A/D	D1.0
2	REMOVE EXISTING AND INSTALL NEW PCC ADA PEDESTRIAN RAMP	EA	2	S-106A/D	D1.0
3	REMOVE EXISTING AND CONSTRUCT PCC SIDEWALK/ENTRY WAY/PASSING ZONE	SF	704	S-103	D1.0
4	REMOVE EXISTING AND CONSTRUCT PCC MOW STRIP	SF		C-14	D1.1
5	REMOVE EXISTING AND CONSTRUCT PCC RESIDENTIAL DRIVEWAY	SF	862	C-11/C-12/C-13	D1.1
6	REMOVE EXISTING AND CONSTRUCT PCC DRIVEWAY TRANSITION (CONTINGENT ITEM)	SF	1,472	C-11/C-12/C-13	D1.1
7	REMOVE, SALVAGE AND REINSTALL PAVER DRIVEWAY/WALKWAY	SF	181	C-11/C-13	D1.1
8	INSTALL 4" BITUMINOUS PLANTMIX FOR ROADWAY RECONSTRUCT SECTION	SF	14,708	S-101	D1.1
9	PERFORM ROADBED MODIFICATION (6" RECYCLED AGGREGATE BASE)	SF	14,708	S-101	D1.1
10	REMOVE EXISTING COMPOSITE ROADWAY SECTION. FURNISH AND INSTALL AGGREGATE BASE (8" TYPE II CLASS B AGGREGATE BASE) COACHMAN COURT	SF		S-101	D1.1
11	REMOVE EXISTING AND CONSTRUCT PCC TYPE 1 CURB AND GUTTER	LF	475	S-109	D1.0
12	INSTALL NEW PCC POST CURB	LF	57	C-01	D1.0
13	REMOVE EXISTING AND CONSTRUCT PCC POST CURB	LF		C-01	D1.0
14	PROTECT AND ADJUST STANDARD WATER METER BOX TO NEW FINISH GRADE (CONTINGENT ITEM)	EA	2	S-407G/S-407H	D1.2
15	REMOVE EXISTING AND INSTALL AND ADJUST NEW STANDARD OR TRAFFIC RATED WATER METER BOX (TMWA FURNISHED) TO NEW FINISH GRADE (CONTINGENT ITEM)	EA	3	S-407G/S-407H	D1.2
16	PROTECT AND ADJUST STANDARD OR TRAFFIC RATED ELECTRICAL BOX TO NEW FINISH GRADE	EA		S-407G/S-407H	D1.2
17	REMOVE EXISTING AND INSTALL AND ADJUST NEW STANDARD OR TRAFFIC RATED COMMUNICATIONS BOX TO NEW FINISH GRADE	EA	1	S-407G/S-407H	D1.2
18	PROTECT AND ADJUST STANDARD OR TRAFFIC RATED COMMUNICATIONS BOX TO NEW FINISH GRADE	EA	1	S-407G/S-407H	D1.2
19	PROTECT AND ADJUST UTILITY VALVE TO FINISH GRADE	EA	5	C-21	D1.2
20	PROTECT AND ADJUST MANHOLE STRUCTURE (NEW OR EXISTING) TO NEW FINISH GRADE WITH NEW PCC COLLAR, AND PROVIDE NEW 24" CITY OF SPARKS LOGO COVER	EA	2	S-209/S-210A	D1.4
21	REMOVE EXISTING AND FURNISH & INSTALL TYPE 4R CATCH BASIN	EA	3	S-204A/B	D1.2
22	REMOVE EXISTING PIPE AND INSTALL 12" SDR-35 PVC PIPE	LF		C-42	D1.4
23	REMOVE AND REPLACE 4.5' OR 6' HIGH FENCING AND GATES (CHAIN-LINK, WOOD, WROUGHT IRON), (CONTINGENT ITEM)	LF	18	C-32/C-33	D1.3
24	REMOVE, FURNISH AND INSTALL SURVEY MONUMENTS	EA	2	S-118	D1.2
25	PERFORM TREE REMOVAL BY AN ISA CERTIFIED ARBORIST (CONTINGENT ITEM)	EA			
26	PROVIDE ROOT MITIGATION BY AN ISA CERTIFIED ARBORIST (TREES) (CONTINGENT ITEM)	HR	4	C-31	D1.3
27	PROVIDE ROOT MITIGATION BY AN ISA CERTIFIED ARBORIST (PLANTS/BUSHES) (CONTINGENT ITEM)	HR		C-31	D1.3
28	SALVAGE AND REINSTALL MAILBOX	EA		C-34	D1.3
29	PAINT CURB	LF	17	M.U.T.C.D. 3G.01	N/A
30	FURNISH AND INSTALL NEW TRAFFIC SIGN BASE, ANCHOR, AND POST	EA		S-401A	D1.3
31	FURNISH AND INSTALL NEW TRAFFIC SIGN ASSEMBLY	EA		S-401B	D1.3
32	REMOVE AND REPLACE TRAFFIC SIGN BASE, ANCHOR, AND POST	EA		S-401A/B	D1.3
33	REMOVE AND REPLACE TRAFFIC SIGN ASSEMBLY	EA		S-401A/B	D1.3
34	REMOVE AND REPLACE STREET NAME SIGNS	EA		S-401A/B	D1.3
35	INSTALL 4-INCH SOLID DOUBLE YELLOW STRIPE (TYPE II WATERBORNE)	LF	264		
36	INSTALL 24" STOP BAR (THERMOPLASTIC)	LF	45	S-411	D1.3
37	INSTALL 24" INTERNATIONAL CROSSWALK (THERMOPLASTIC)	LF		S-411	D1.3
38	INSTALL YIELD TRIANGLES (THERMOPLASTIC)	EA		S-411	D1.3
39	INSTALL 8-FOOT STOP LEGEND, PREFORMED PAVEMENT MARKINGS (THERMOPLASTIC)	EA	1		

DRIVEWAY TABLE					
STATION, OFFSET	STREET ADDRESS	DEPRESSION WIDTH	TRANSITION LENGTH, APPROX. SLOPE	WING TRANSITION TYPE* (UP STATION)	WING TRANSITION TYPE* (DOWN STATION)
20+11.05, 21.50' RT	1385 COACHMAN DR	20'	10.3' 12%	L	L
20+17.45, 21.50' LT	1380 COACHMAN DR	20'	16.75' 12%	L	L
20+63.12, 21.50' LT	1384 COACHMAN DR	15.75'	6.75' 12%	L	L
20+74.53, 21.5' RT	1387 COACHMAN DR	25.5'	6' 12%	P	P
22+16.25, 21.50' LT	1418 COACHMAN DR	16'	12.5' 12%	L	L
22+37.22, 21.50' RT	1391 COACHMAN DR	16.5'	6' 12%	P	P
22+63.94, 21.50' LT	1430 COACHMAN DR	20.75'	17.7' 12%	P	L

* P - POST CURB, L - LANDSCAPE GRADING, W - WARPED PANEL

GENERAL NOTES:

- CONTRACTOR TO PROTECT EXISTING CONCRETE FLATWORK AND CURB & GUTTER UNLESS DESIGNATED FOR REMOVAL AND REPLACEMENT. CONTRACTOR TO REPLACE FULL SIDEWALK PANEL WIDTH AS INDICATED IN PLANS.
- PCC REMOVAL SAWCUTS TO BE COMPLETED AT NEAREST EXISTING JOINT AT ALL LOCATIONS WHERE FEASIBLE.
- CONTRACTOR TO COORDINATE WITH TMWA ON CONDITION OF EXISTING BOXES FOR PROTECTION OR REPLACEMENT. EXISTING NON-TRAFFIC RATED BOXES WITHIN PROPOSED DRIVEWAY APRONS OR WINGS ARE TO BE REPLACED WITH NEW TRAFFIC RATED BOXES. CONTRACTOR SHALL BE REQUIRED TO ATTEND PRE-CONSTRUCTION WALK WITH THE TMWA INSPECTOR TO ESTABLISH MUTUAL AGREEMENT ON WATER METER ADJUSTMENTS.
- CATCH BASINS AND MANHOLES WITHIN 10FT OF WATER FACILITIES ARE REQUIRED TO BE WATER-TIGHT PER NAC445A.67153.
- WING LENGTHS OF DRIVEWAYS ESTIMATED TO BE 5' OR 6' BUT MAY BE CHANGED DUE TO FIELD CONDITIONS.
- TYPICAL PEDESTRIAN RAMP LANDINGS ARE 5' WIDE.
- DRIVEWAY TRANSITIONS MEASURED AT CENTER OF DRIVEWAY OR LONGEST SIDE OF DRIVEWAY IN SITUATIONS WHERE DRIVEWAYS ARE UNEVEN.
- CONTRACTOR TO INSTALL 5' PASSING SPACE TO MEET PROWAG REQUIREMENTS. SEE DETAIL C-02/D1.0

IMPROVEMENT LEGEND

- 6" ROAD BED MODIFICATION
- 8" TYPE 2 AGGREGATE BASE
- PCC SIDEWALK OR FLATWORK
- PCC RESIDENTIAL DRIVEWAY
- PCC DRIVEWAY TRANSITION
- PAVERS
- PCC TYPE 1 CURB AND GUTTER

CITY OF SPARKS
 2026 STREET REHABILITATION PROJECT
 SURFACE IMPROVEMENT PLAN
 COACHMAN DR STA 20+00 TO 23+50
 WASHOE
 NEVADA
 SPARKS

REV	DATE	DESCRIPTION

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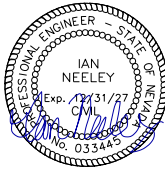
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 DESIGNED BY: AAH
 CHECKED BY: IPN
 JOB NO.: 12421.000

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NOT FOR CONSTRUCTION
APRIL 2026

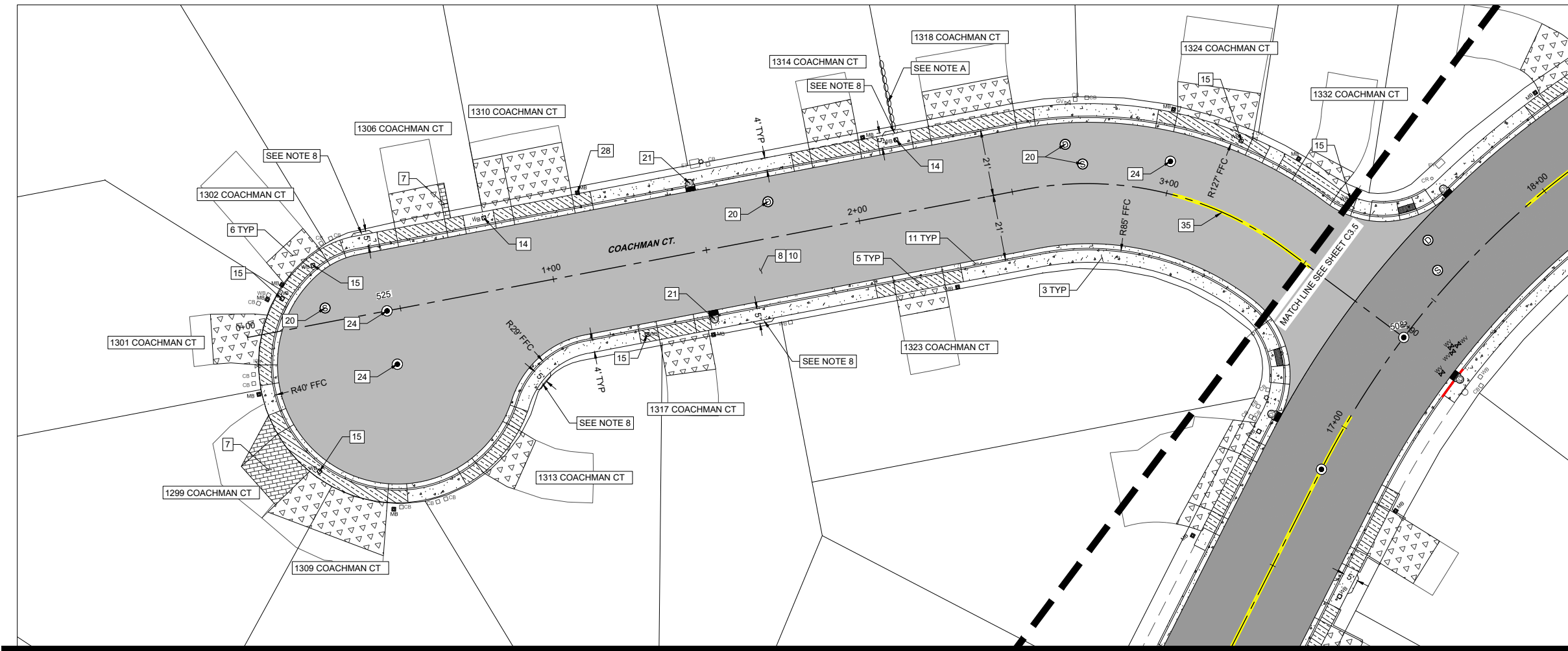
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CITY OF SPARKS
 2026 STREET REHABILITATION PROJECT
 SURFACE IMPROVEMENT PLAN
 COACHMAN CT. STA 0+00 TO 3+90
 WASHOE
 NEVADA
 SPARKS

REV	DATE	DESCRIPTION

BAR IS 1 INCH ON ORIGINAL DRAWING
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C3.7
 DRAWN BY: AAH
 DESIGNED BY: AAH
 CHECKED BY: IPN
 JOB NO.: 12421.000



SHEET C3.7 SURFACE IMPROVEMENT QUANTITIES

NO.	IMPROVEMENT TYPE	UNIT	QTY.	DETAIL	SHEET
1	INSTALL NEW PCC ADA PEDESTRIAN RAMP	EA		S-106A/D	D1.0
2	REMOVE EXISTING AND INSTALL NEW PCC ADA PEDESTRIAN RAMP	EA		S-106A/D	D1.0
3	REMOVE EXISTING AND CONSTRUCT PCC SIDEWALK/ENTRY WAY/PASSING ZONE	SF	1,526	S-103	D1.0
4	REMOVE EXISTING AND CONSTRUCT PCC MOW STRIP	SF		C-14	D1.1
5	REMOVE EXISTING AND CONSTRUCT PCC RESIDENTIAL DRIVEWAY	SF	1,523	C-11/C-12/C-13	D1.1
6	REMOVE EXISTING AND CONSTRUCT PCC DRIVEWAY TRANSITION (CONTINGENT ITEM)	SF	2,969	C-11/C-12/C-13	D1.1
7	REMOVE, SALVAGE AND REINSTALL PAVER DRIVEWAY/WALKWAY	SF	315	C-11/C-13	D1.1
8	INSTALL 4" BITUMINOUS PLANTMIX FOR ROADWAY RECONSTRUCT SECTION	SF	15,358	S-101	D1.1
9	PERFORM ROADBED MODIFICATION (6" RECYCLED AGGREGATE BASE)	SF		S-101	D1.1
10	REMOVE EXISTING COMPOSITE ROADWAY SECTION. FURNISH AND INSTALL AGGREGATE BASE (8" TYPE II CLASS B AGGREGATE BASE) COACHMAN COURT	SF	15,358	S-101	D1.1
11	REMOVE EXISTING AND CONSTRUCT PCC TYPE 1 CURB AND GUTTER	LF	748	S-109	D1.0
12	INSTALL NEW PCC POST CURB	LF		C-01	D1.0
13	REMOVE EXISTING AND CONSTRUCT PCC POST CURB	LF		C-01	D1.0
14	PROTECT AND ADJUST STANDARD WATER METER BOX TO NEW FINISH GRADE (CONTINGENT ITEM)	EA	2	S-407G/S-407H	D1.2
15	REMOVE EXISTING AND INSTALL AND ADJUST NEW STANDARD OR TRAFFIC RATED WATER METER BOX (TMWA FURNISHED) TO NEW FINISH GRADE (CONTINGENT ITEM)	EA	6	S-407G/S-407H	D1.2
16	PROTECT AND ADJUST STANDARD OR TRAFFIC RATED ELECTRICAL BOX TO NEW FINISH GRADE	EA		S-407G/S-407H	D1.2
17	REMOVE EXISTING AND INSTALL AND ADJUST NEW STANDARD OR TRAFFIC RATED COMMUNICATIONS BOX TO NEW FINISH GRADE	EA		S-407G/S-407H	D1.2
18	PROTECT AND ADJUST STANDARD OR TRAFFIC RATED COMMUNICATIONS BOX TO NEW FINISH GRADE	EA		S-407G/S-407H	D1.2
19	PROTECT AND ADJUST UTILITY VALVE TO FINISH GRADE	EA		C-21	D1.2
20	PROTECT AND ADJUST MANHOLE STRUCTURE (NEW OR EXISTING) TO NEW FINISH GRADE WITH NEW PCC COLLAR, AND PROVIDE NEW 24" CITY OF SPARKS LOGO COVER	EA	4	S-209/S-210A	D1.4
21	REMOVE EXISTING AND FURNISH & INSTALL TYPE 4R CATCH BASIN	EA	2	S-204A/B	D1.2
22	REMOVE EXISTING PIPE AND INSTALL 12" SDR-35 PVC PIPE	LF		C-42	D1.4
23	REMOVE AND REPLACE 4.5' OR 6' HIGH FENCING AND GATES (CHAIN-LINK, WOOD, WROUGHT IRON), (CONTINGENT ITEM)	LF		C-32/C-33	D1.3
24	REMOVE, FURNISH AND INSTALL SURVEY MONUMENTS	EA	3	S-118	D1.2
25	PERFORM TREE REMOVAL BY AN ISA CERTIFIED ARBORIST (CONTINGENT ITEM)	EA			
26	PROVIDE ROOT MITIGATION BY AN ISA CERTIFIED ARBORIST (TREES) (CONTINGENT ITEM)	HR		C-31	D1.3
27	PROVIDE ROOT MITIGATION BY AN ISA CERTIFIED ARBORIST (PLANTS/BUSHES) (CONTINGENT ITEM)	HR		C-31	D1.3
28	SALVAGE AND REINSTALL MAILBOX	EA	1	C-34	D1.3
29	PAINT CURB	LF		M.U.T.C.D. 3G.01	N/A
30	FURNISH AND INSTALL NEW TRAFFIC SIGN BASE, ANCHOR, AND POST	EA		S-401A	D1.3
31	FURNISH AND INSTALL NEW TRAFFIC SIGN ASSEMBLY	EA		S-401B	D1.3
32	REMOVE AND REPLACE TRAFFIC SIGN BASE, ANCHOR, AND POST	EA		S-401A/B	D1.3
33	REMOVE AND REPLACE TRAFFIC SIGN ASSEMBLY	EA		S-401A/B	D1.3
34	REMOVE AND REPLACE STREET NAME SIGNS	EA		S-401A/B	D1.3
35	INSTALL 4-INCH SOLID DOUBLE YELLOW STRIPE (TYPE II WATERBORNE)	LF	48		
36	INSTALL 24" STOP BAR (THERMOPLASTIC)	LF		S-411	D1.3
37	INSTALL 24" INTERNATIONAL CROSSWALK (THERMOPLASTIC)	LF		S-411	D1.3
38	INSTALL YIELD TRIANGLES (THERMOPLASTIC)	EA		S-411	D1.3
39	INSTALL 8-FOOT STOP LEGEND, PREFORMED PAVEMENT MARKINGS (THERMOPLASTIC)	EA			

DRIVEWAY TABLE					
STATION, OFFSET	STREET ADDRESS	DEPRESSION WIDTH	TRANSITION LENGTH, APPROX. SLOPE	WING TRANSITION TYPE* (UP STATION)	WING TRANSITION TYPE* (DOWN STATION)
0+13.99, 7.79' LT	1301 COACHMAN CT	39.75'	18.5' 12%	L	L
0+13.99, 7.79' LT	1302 COACHMAN CT	39.75'	9' 12%	L	L
0+18.18, 47.19' RT	1299 COACHMAN CT	39.5'	15.5' 12%	N/A	L
0+18.18, 47.19' RT	1309 COACHMAN CT	39.5'	18.8' 12%	L	N/A
0+61.19, 21.50' LT	1306 COACHMAN CT	16.25'	11.25' 12%	L	L
0+71.24, 48.85' RT	1313 COACHMAN CT	16.5'	11.3' 12%	L	L
1+00.97, 21.52' LT	1310 COACHMAN CT	19.75'	17.2' 12%	L	W
1+35.91, 21.46' RT	1317 COACHMAN CT	12.25'	12.75' 12%	L	L
1+96.54, 21.57' LT	1314 COACHMAN CT	16'	13' 14%	L	L
2+15.20, 21.43' RT	1323 COACHMAN CT	16'	7.25' 12%	L	L
2+41.40, 21.59' LT	1318 COACHMAN CT	28'	11.5' 12%	L	L
3+08.09, 21.77' LT	1324 COACHMAN CT	24.75'	14.5' 12%	L	L
3+38.83, 21.73' LT	1332 COACHMAN CT	14.75'	7.25' 12%	L	L

*P - POST CURB, L - LANDSCAPE GRADING, W - WARPED PANEL

GENERAL NOTES:

- CONTRACTOR TO PROTECT EXISTING CONCRETE FLATWORK AND CURB & GUTTER UNLESS DESIGNATED FOR REMOVAL AND REPLACEMENT. CONTRACTOR TO REPLACE FULL SIDEWALK PANEL WIDTH AS INDICATED IN PLANS.
- PCC REMOVAL SAWCUTS TO BE COMPLETED AT NEAREST EXISTING JOINT AT ALL LOCATIONS WHERE FEASIBLE.
- CONTRACTOR TO COORDINATE WITH TMWA ON CONDITION OF EXISTING BOXES FOR PROTECTION OR REPLACEMENT. EXISTING NON-TRAFFIC RATED BOXES WITHIN PROPOSED DRIVEWAY APRONS OR WINGS ARE TO BE REPLACED WITH NEW TRAFFIC RATED BOXES. CONTRACTOR SHALL BE REQUIRED TO ATTEND PRE-CONSTRUCTION WALK WITH THE TMWA INSPECTOR TO ESTABLISH MUTUAL AGREEMENT ON WATER METER ADJUSTMENTS.
- CATCH BASINS AND MANHOLES WITHIN 10FT OF WATER FACILITIES ARE REQUIRED TO BE WATER-TIGHT PER NAC445A.67153.
- WING LENGTHS OF DRIVEWAYS ESTIMATED TO BE 5' OR 6' BUT MAY BE CHANGED DUE TO FIELD CONDITIONS.
- TYPICAL PEDESTRIAN RAMP LANDINGS ARE 5' WIDE.
- DRIVEWAY TRANSITIONS MEASURED AT CENTER OF DRIVEWAY OR LONGEST SIDE OF DRIVEWAY IN SITUATIONS WHERE DRIVEWAYS ARE UNEVEN.
- CONTRACTOR TO INSTALL 5' PASSING SPACE TO MEET PROWAG REQUIREMENTS. SEE DETAIL C-02/D1.0

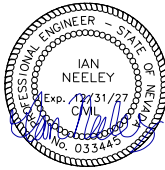
SHEET NOTES:

- CONTRACTOR TO SALVAGE AND RECONSTRUCT KEYSTONE BLOCK WALL AS NEEDED AT NO DIRECT PAYMENT.

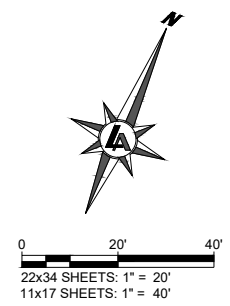
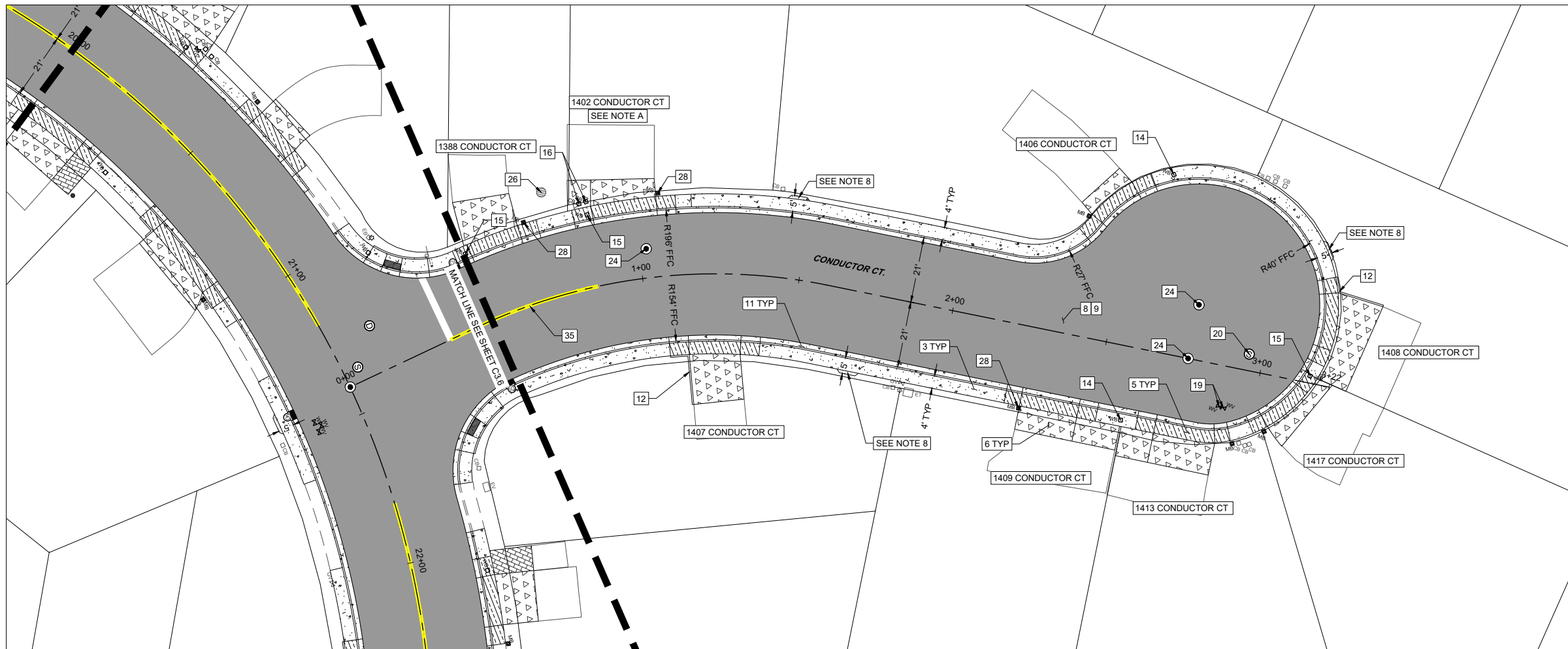
IMPROVEMENT LEGEND

- 6" ROAD BED MODIFICATION
- 8" TYPE 2 AGGREGATE BASE
- PCC SIDEWALK OR FLATWORK
- PCC RESIDENTIAL DRIVEWAY
- PCC DRIVEWAY TRANSITION
- PAVERS
- PCC TYPE 1 CURB AND GUTTER

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CITY OF SPARKS
 2026 STREET REHABILITATION PROJECT
 SURFACE IMPROVEMENT PLAN
 CONDUCTOR CT. STA 0+00 TO 3+22
 WASHOE
 NEVADA
 SPARKS



SHEET C3.8 SURFACE IMPROVEMENT QUANTITIES

NO.	IMPROVEMENT TYPE	UNIT	QTY.	DETAIL	SHEET
1	INSTALL NEW PCC ADA PEDESTRIAN RAMP	EA		S-106A/D	D1.0
2	REMOVE EXISTING AND INSTALL NEW PCC ADA PEDESTRIAN RAMP	EA		S-106A/D	D1.0
3	REMOVE EXISTING AND CONSTRUCT PCC SIDEWALK/ENTRY WAY/PASSING ZONE	SF	1,503	S-103	D1.0
4	REMOVE EXISTING AND CONSTRUCT PCC MOW STRIP	SF		C-14	D1.1
5	REMOVE EXISTING AND CONSTRUCT PCC RESIDENTIAL DRIVEWAY	SF	917	C-11/C-12/C-13	D1.1
6	REMOVE EXISTING AND CONSTRUCT PCC DRIVEWAY TRANSITION (CONTINGENT ITEM)	SF	1,742	C-11/C-12/C-13	D1.1
7	REMOVE, SALVAGE AND REINSTALL PAVER DRIVEWAY/WALKWAY	SF		C-11/C-13	D1.1
8	INSTALL 4" BITUMINOUS PLANTMIX FOR ROADWAY RECONSTRUCT SECTION	SF	12,310	S-101	D1.1
9	PERFORM ROADBED MODIFICATION (6" RECYCLED AGGREGATE BASE)	SF	12,310	S-101	D1.1
10	REMOVE EXISTING COMPOSITE ROADWAY SECTION. FURNISH AND INSTALL AGGREGATE BASE (8" TYPE II CLASS B AGGREGATE BASE) COACHMAN COURT	SF		S-101	D1.1
11	REMOVE EXISTING AND CONSTRUCT PCC TYPE 1 CURB AND GUTTER	LF	592	S-109	D1.0
12	INSTALL NEW PCC POST CURB	LF	21	C-01	D1.0
13	REMOVE EXISTING AND CONSTRUCT PCC POST CURB	LF		C-01	D1.0
14	PROTECT AND ADJUST STANDARD WATER METER BOX TO NEW FINISH GRADE (CONTINGENT ITEM)	EA	2	S-407G/S-407H	D1.2
15	REMOVE EXISTING AND INSTALL AND ADJUST NEW STANDARD OR TRAFFIC RATED WATER METER BOX (TMWA FURNISHED) TO NEW FINISH GRADE (CONTINGENT ITEM)	EA	3	S-407G/S-407H	D1.2
16	PROTECT AND ADJUST STANDARD OR TRAFFIC RATED ELECTRICAL BOX TO NEW FINISH GRADE	EA	2	S-407G/S-407H	D1.2
17	REMOVE EXISTING AND INSTALL AND ADJUST NEW STANDARD OR TRAFFIC RATED COMMUNICATIONS BOX TO NEW FINISH GRADE	EA		S-407G/S-407H	D1.2
18	PROTECT AND ADJUST STANDARD OR TRAFFIC RATED COMMUNICATIONS BOX TO NEW FINISH GRADE	EA		S-407G/S-407H	D1.2
19	PROTECT AND ADJUST UTILITY VALVE TO FINISH GRADE	EA	2	C-21	D1.2
20	PROTECT AND ADJUST MANHOLE STRUCTURE (NEW OR EXISTING) TO NEW FINISH GRADE WITH NEW PCC COLLAR, AND PROVIDE NEW 24" CITY OF SPARKS LOGO COVER	EA	1	S-209/S-210A	D1.4
21	REMOVE EXISTING AND FURNISH & INSTALL TYPE 4R CATCH BASIN	EA		S-204A/B	D1.2
22	REMOVE EXISTING PIPE AND INSTALL 12" SDR-35 PVC PIPE	LF		C-42	D1.4
23	REMOVE AND REPLACE 4.5' OR 6' HIGH FENCING AND GATES (CHAIN-LINK, WOOD, WROUGHT IRON), (CONTINGENT ITEM)	LF		C-32/C-33	D1.3
24	REMOVE, FURNISH AND INSTALL SURVEY MONUMENTS	EA	3	S-118	D1.2
25	PERFORM TREE REMOVAL BY AN ISA CERTIFIED ARBORIST (CONTINGENT ITEM)	EA			
26	PROVIDE ROOT MITIGATION BY AN ISA CERTIFIED ARBORIST (TREES) (CONTINGENT ITEM)	HR	4	C-31	D1.3
27	PROVIDE ROOT MITIGATION BY AN ISA CERTIFIED ARBORIST (PLANTS/BUSHES) (CONTINGENT ITEM)	HR		C-31	D1.3
28	SALVAGE AND REINSTALL MAILBOX	EA	3	C-34	D1.3
29	PAINT CURB	LF		M.U.T.C.D. 3G.01	N/A
30	FURNISH AND INSTALL NEW TRAFFIC SIGN BASE, ANCHOR, AND POST	EA		S-401A	D1.3
31	FURNISH AND INSTALL NEW TRAFFIC SIGN ASSEMBLY	EA		S-401B	D1.3
32	REMOVE AND REPLACE TRAFFIC SIGN BASE, ANCHOR, AND POST	EA		S-401A/B	D1.3
33	REMOVE AND REPLACE TRAFFIC SIGN ASSEMBLY	EA		S-401A/B	D1.3
34	REMOVE AND REPLACE STREET NAME SIGNS	EA		S-401A/B	D1.3
35	INSTALL 4-INCH SOLID DOUBLE YELLOW STRIPE (TYPE II WATERBORNE)	LF	36		
36	INSTALL 24" STOP BAR (THERMOPLASTIC)	LF		S-411	D1.3
37	INSTALL 24" INTERNATIONAL CROSSWALK (THERMOPLASTIC)	LF		S-411	D1.3
38	INSTALL YIELD TRIANGLES (THERMOPLASTIC)	EA		S-411	D1.3
39	INSTALL 8-FOOT STOP LEGEND, PREFORMED PAVEMENT MARKINGS (THERMOPLASTIC)	EA			

DRIVEWAY TABLE					
STATION, OFFSET	STREET ADDRESS	DEPRESSION WIDTH	TRANSITION LENGTH, APPROX. SLOPE	WING TRANSITION TYPE* (UP STATION)	WING TRANSITION TYPE* (DOWN STATION)
0+59.57, 21.47' LT	1388 CONDUCTOR CT	16.75'	14.3' 12%	L	L
0+97.41, 21.52' LT	1402 CONDUCTOR CT	20.75'	9.8' 12%	L	W
1+23.00, 21.48' RT	1407 CONDUCTOR CT	16.75'	16' 12%	L	P
2+36.19, 21.53' RT	1409 CONDUCTOR CT	18.75'	7.75' 12%	W	L
2+45.26, 43.13' LT	1406 CONDUCTOR CT	15'	6' 12%	L	L
2+79.91, 21.50' RT	1413 CONDUCTOR CT	19'	10.5' 12%	L	W
3+08.47, 7.50' RT	1417 CONDUCTOR CT	15.25'	7.75' 12%	W	L
3+16.97, 20.57' LT	1408 CONDUCTOR CT	17'	15' 12%	L	P

*P - POST CURB, L - LANDSCAPE GRADING, W - WARPED PANEL

GENERAL NOTES:

- CONTRACTOR TO PROTECT EXISTING CONCRETE FLATWORK AND CURB & GUTTER UNLESS DESIGNATED FOR REMOVAL AND REPLACEMENT. CONTRACTOR TO REPLACE FULL SIDEWALK PANEL WIDTH AS INDICATED IN PLANS.
- PCC REMOVAL SAWCUTS TO BE COMPLETED AT NEAREST EXISTING JOINT AT ALL LOCATIONS WHERE FEASIBLE.
- CONTRACTOR TO COORDINATE WITH TMWA ON CONDITION OF EXISTING BOXES FOR PROTECTION OR REPLACEMENT. EXISTING NON-TRAFFIC RATED BOXES WITHIN PROPOSED DRIVEWAY APRONS OR WINGS ARE TO BE REPLACED WITH NEW TRAFFIC RATED BOXES. CONTRACTOR SHALL BE REQUIRED TO ATTEND PRE-CONSTRUCTION WALK WITH THE TMWA INSPECTOR TO ESTABLISH MUTUAL AGREEMENT ON WATER METER ADJUSTMENTS.
- CATCH BASINS AND MANHOLES WITHIN 10FT OF WATER FACILITIES ARE REQUIRED TO BE WATER-TIGHT PER NAC445A.67153.
- WING LENGTHS OF DRIVEWAYS ESTIMATED TO BE 5' OR 6' BUT MAY BE CHANGED DUE TO FIELD CONDITIONS.
- TYPICAL PEDESTRIAN RAMP LANDINGS ARE 5' WIDE.
- DRIVEWAY TRANSITIONS MEASURED AT CENTER OF DRIVEWAY OR LONGEST SIDE OF DRIVEWAY IN SITUATIONS WHERE DRIVEWAYS ARE UNEVEN.
- CONTRACTOR TO INSTALL 5' PASSING SPACE TO MEET PROWAG REQUIREMENTS. SEE DETAIL C-02/D1.0

SHEET NOTES:

- CONTRACTOR TO CONTACT NV ENERGY FOR 1402 CONDUCTOR COURT.

IMPROVEMENT LEGEND

- 6" ROAD BED MODIFICATION
- 8" TYPE 2 AGGREGATE BASE
- PCC SIDEWALK OR FLATWORK
- PCC RESIDENTIAL DRIVEWAY
- PCC DRIVEWAY TRANSITION
- PAVERS
- PCC TYPE 1 CURB AND GUTTER

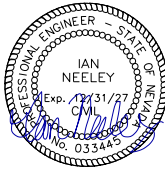
REV	DATE	DESCRIPTION

BAR IS 1 INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

C3.8

DRAWN BY: AAH
DESIGNED BY: AAH
CHECKED BY: IPN
JOB NO.: 12421.000



04/06/26

2026 STREET REHABILITATION PROJECT
SURFACE IMPROVEMENT PLAN
BLUEHAVEN DR STA 0+00 TO 4+28

CITY OF SPARKS

NEVADA

WASHOE

SPARKS

REV	DATE	DESCRIPTION

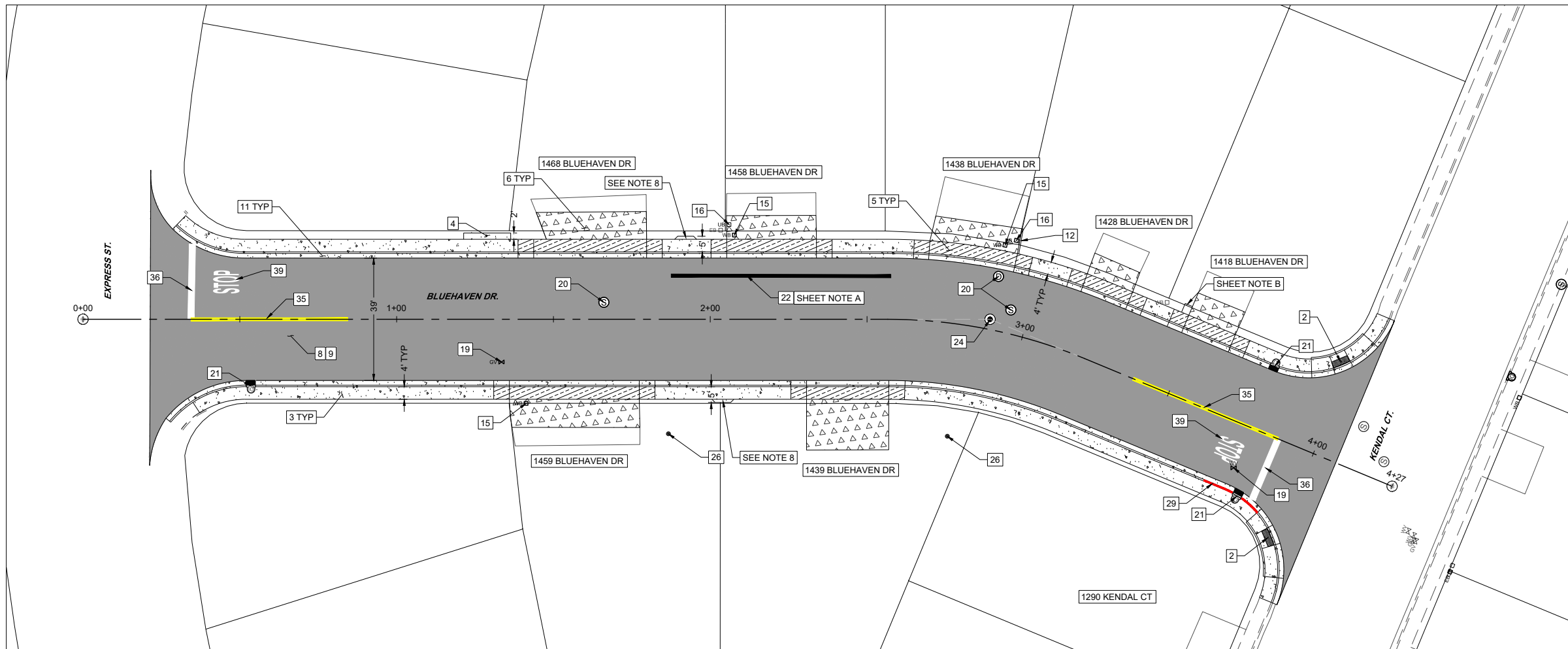
BID SET PLANS
NOT FOR CONSTRUCTION
APRIL 2026

BAR IS 1 INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

C3.9

DRAWN BY: AAH
DESIGNED BY: AAH
CHECKED BY: IPN
JOB NO.: 12421.000



SHEET C3.9 SURFACE IMPROVEMENT QUANTITIES

NO.	IMPROVEMENT TYPE	UNIT	QTY.	DETAIL	SHEET
1	INSTALL NEW PCC ADA PEDESTRIAN RAMP	EA		S-106A/D	D1.0
2	REMOVE EXISTING AND INSTALL NEW PCC ADA PEDESTRIAN RAMP	EA	2	S-106A/D	D1.0
3	REMOVE EXISTING AND CONSTRUCT PCC SIDEWALK/ENTRY WAY/PASSING ZONE	SF	1,890	S-103	D1.0
4	REMOVE EXISTING AND CONSTRUCT PCC MOW STRIP	SF	30	C-14	D1.1
5	REMOVE EXISTING AND CONSTRUCT PCC RESIDENTIAL DRIVEWAY	SF	1,047	C-11/C-12/C-13	D1.1
6	REMOVE EXISTING AND CONSTRUCT PCC DRIVEWAY TRANSITION (CONTINGENT ITEM)	SF	1,748	C-11/C-12/C-13	D1.1
7	REMOVE, SALVAGE AND REINSTALL PAVER DRIVEWAY/WALKWAY	SF		C-11/C-13	D1.1
8	INSTALL 4" BITUMINOUS PLANTMIX FOR ROADWAY RECONSTRUCT SECTION	SF	15,789	S-101	D1.1
9	PERFORM ROADBED MODIFICATION (6" RECYCLED AGGREGATE BASE)	SF	15,789	S-101	D1.1
10	REMOVE EXISTING COMPOSITE ROADWAY SECTION. FURNISH AND INSTALL AGGREGATE BASE (8" TYPE II CLASS B AGGREGATE BASE) COACHMAN COURT	SF		S-101	D1.1
11	REMOVE EXISTING AND CONSTRUCT PCC TYPE 1 CURB AND GUTTER	LF	748	S-109	D1.0
12	INSTALL NEW PCC POST CURB	LF	9	C-01	D1.0
13	REMOVE EXISTING AND CONSTRUCT PCC POST CURB	LF		C-01	D1.0
14	PROTECT AND ADJUST STANDARD WATER METER BOX TO NEW FINISH GRADE (CONTINGENT ITEM)	EA		S-407G/S-407H	D1.2
15	REMOVE EXISTING AND INSTALL AND ADJUST NEW STANDARD OR TRAFFIC RATED WATER METER BOX (TMWA FURNISHED) TO NEW FINISH GRADE (CONTINGENT ITEM)	EA	3	S-407G/S-407H	D1.2
16	PROTECT AND ADJUST STANDARD OR TRAFFIC RATED ELECTRICAL BOX TO NEW FINISH GRADE	EA	2	S-407G/S-407H	D1.2
17	REMOVE EXISTING AND INSTALL AND ADJUST NEW STANDARD OR TRAFFIC RATED COMMUNICATIONS BOX TO NEW FINISH GRADE	EA		S-407G/S-407H	D1.2
18	PROTECT AND ADJUST STANDARD OR TRAFFIC RATED COMMUNICATIONS BOX TO NEW FINISH GRADE	EA		S-407G/S-407H	D1.2
19	PROTECT AND ADJUST UTILITY VALVE TO FINISH GRADE	EA	2	C-21	D1.2
20	PROTECT AND ADJUST MANHOLE STRUCTURE (NEW OR EXISTING) TO NEW FINISH GRADE WITH NEW PCC COLLAR, AND PROVIDE NEW 24" CITY OF SPARKS LOGO COVER	EA	3	S-209/S-210A	D1.4
21	REMOVE EXISTING AND FURNISH & INSTALL TYPE 4R CATCH BASIN	EA	3	S-204A/B	D1.2
22	REMOVE EXISTING PIPE AND INSTALL 12" SDR-35 PVC PIPE	LF	70	C-42	D1.4
23	REMOVE AND REPLACE 4.5' OR 6' HIGH FENCING AND GATES (CHAIN-LINK, WOOD, WROUGHT IRON), (CONTINGENT ITEM)	LF		C-32/C-33	D1.3
24	REMOVE, FURNISH AND INSTALL SURVEY MONUMENTS	EA	1	S-118	D1.2
25	PERFORM TREE REMOVAL BY AN ISA CERTIFIED ARBORIST (CONTINGENT ITEM)	EA			
26	PROVIDE ROOT MITIGATION BY AN ISA CERTIFIED ARBORIST (TREES) (CONTINGENT ITEM)	HR	8	C-31	D1.3
27	PROVIDE ROOT MITIGATION BY AN ISA CERTIFIED ARBORIST (PLANTS/BUSHES) (CONTINGENT ITEM)	HR		C-31	D1.3
28	SALVAGE AND REINSTALL MAILBOX	EA		C-34	D1.3
29	PAINT CURB	LF	20	M.U.T.C.D. 3G.01	N/A
30	FURNISH AND INSTALL NEW TRAFFIC SIGN BASE, ANCHOR, AND POST	EA		S-401A	D1.3
31	FURNISH AND INSTALL NEW TRAFFIC SIGN ASSEMBLY	EA		S-401B	D1.3
32	REMOVE AND REPLACE TRAFFIC SIGN BASE, ANCHOR, AND POST	EA		S-401A/B	D1.3
33	REMOVE AND REPLACE TRAFFIC SIGN ASSEMBLY	EA		S-401A/B	D1.3
34	REMOVE AND REPLACE STREET NAME SIGNS	EA		S-401A/B	D1.3
35	INSTALL 4-INCH SOLID DOUBLE YELLOW STRIPE (TYPE II WATERBORNE)	LF	100		
36	INSTALL 24" STOP BAR (THERMOPLASTIC)	LF	45	S-411	D1.3
37	INSTALL 24" INTERNATIONAL CROSSWALK (THERMOPLASTIC)	LF		S-411	D1.3
38	INSTALL YIELD TRIANGLES (THERMOPLASTIC)	EA		S-411	D1.3
39	INSTALL 8-FOOT STOP LEGEND, PREFORMED PAVEMENT MARKINGS (THERMOPLASTIC)	EA	2		

DRIVEWAY TABLE

STATION, OFFSET	STREET ADDRESS	DEPRESSION WIDTH	TRANSITION LENGTH, APPROX. SLOPE	WING TRANSITION TYPE* (UP STATION)	WING TRANSITION TYPE* (DOWN STATION)
1+54.14			9'		
21.50' RT	1459 BLUEHAVEN DR	36'	12%	L	L
1+61.71			8.5'		
21.50' LT	1468 BLUEHAVEN DR	41.5'	12%	L	L
2+19.57			7.8'		
21.50' RT	1458 BLUEHAVEN DR	28.75'	12%	L	L
2+41.17,			16.2'		
21.50' RT	1439 BLUEHAVEN DR	26.25'	12%	L	L
2+83.52			8.1'		
21.50' LT	1438 BLUEHAVEN DR	27.75'	12%	L	P
3+20.19			6.8'		
21.50' LT	1428 BLUEHAVEN DR	15.5'	12%	L	L
3+55.29			7.6'		
21.50' LT	1418 BLUEHAVEN DR	16'	12%	L	L

*P - POST CURB, L - LANDSCAPE GRADING, W - WARPED PANEL

GENERAL NOTES:

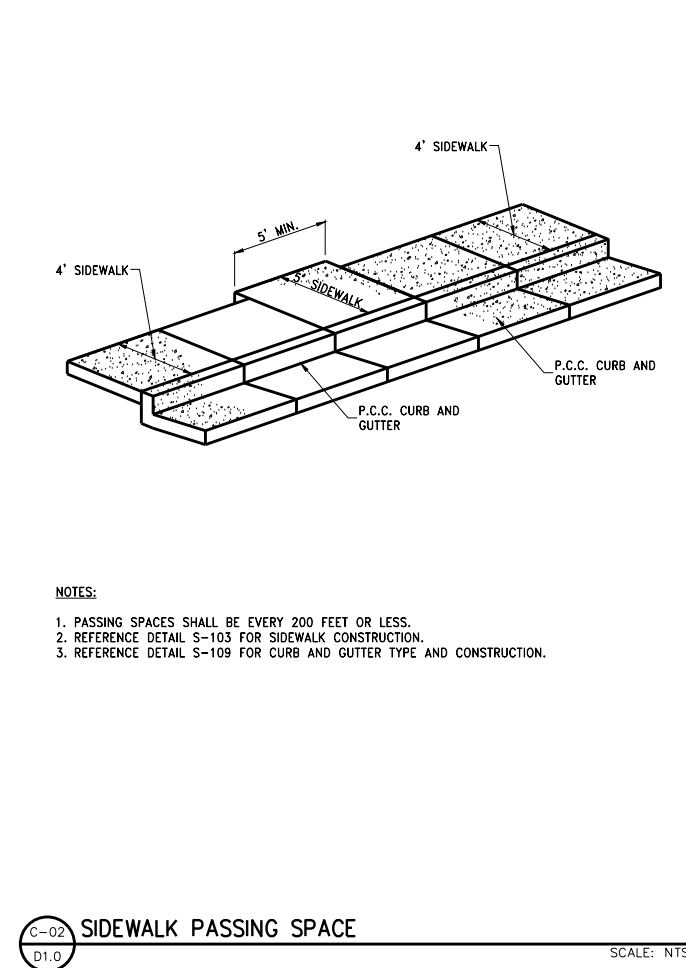
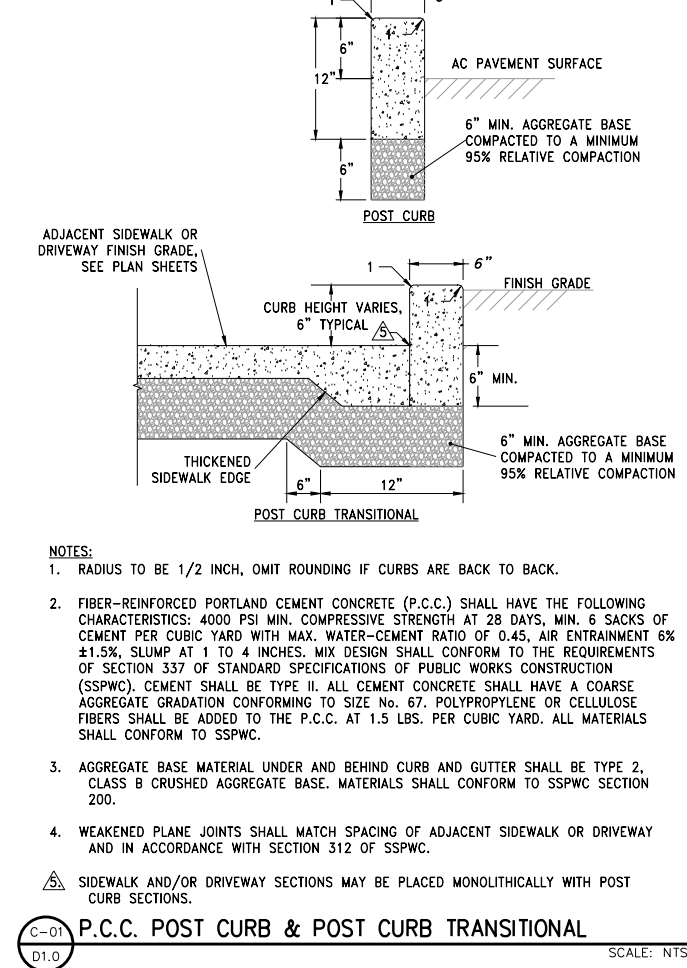
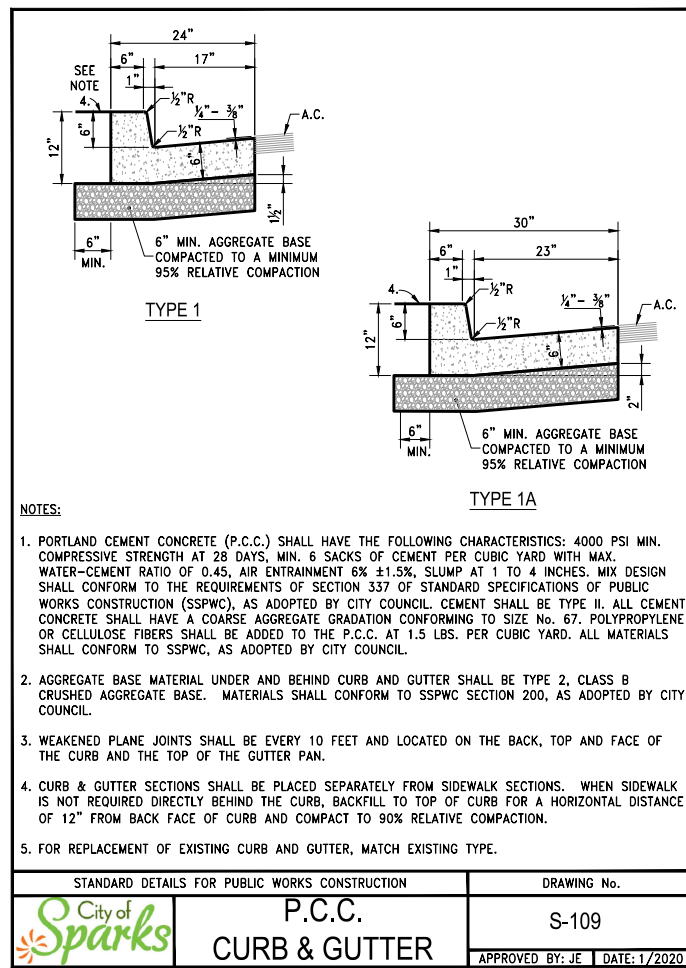
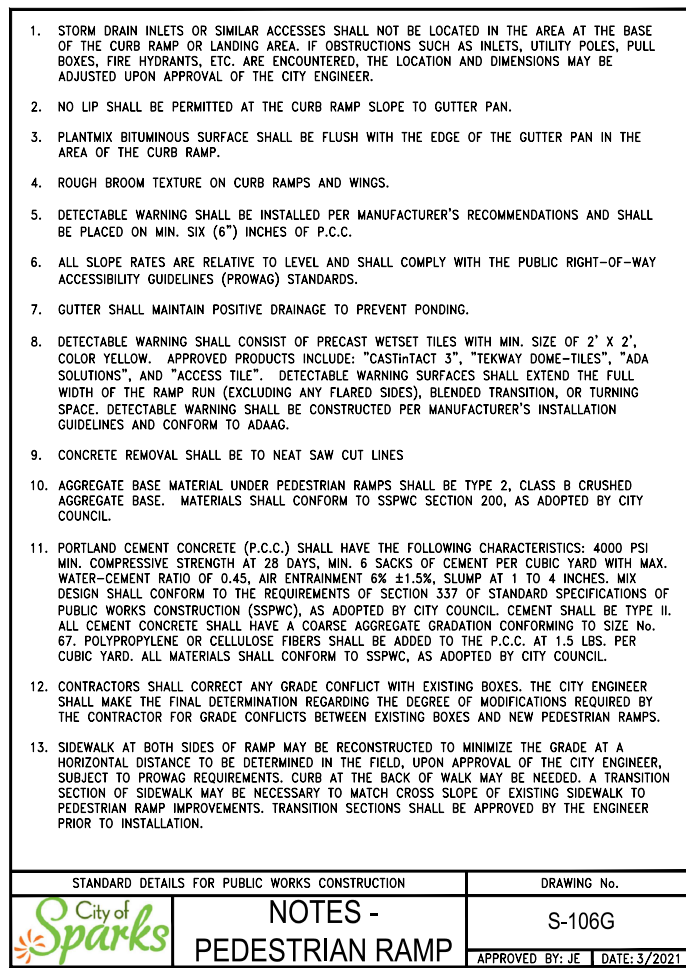
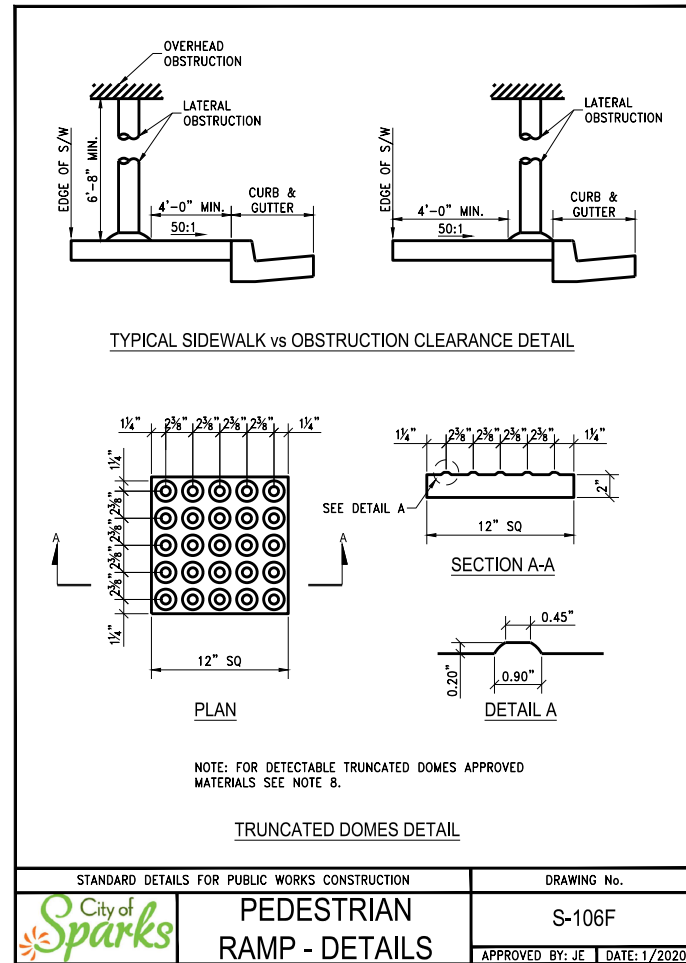
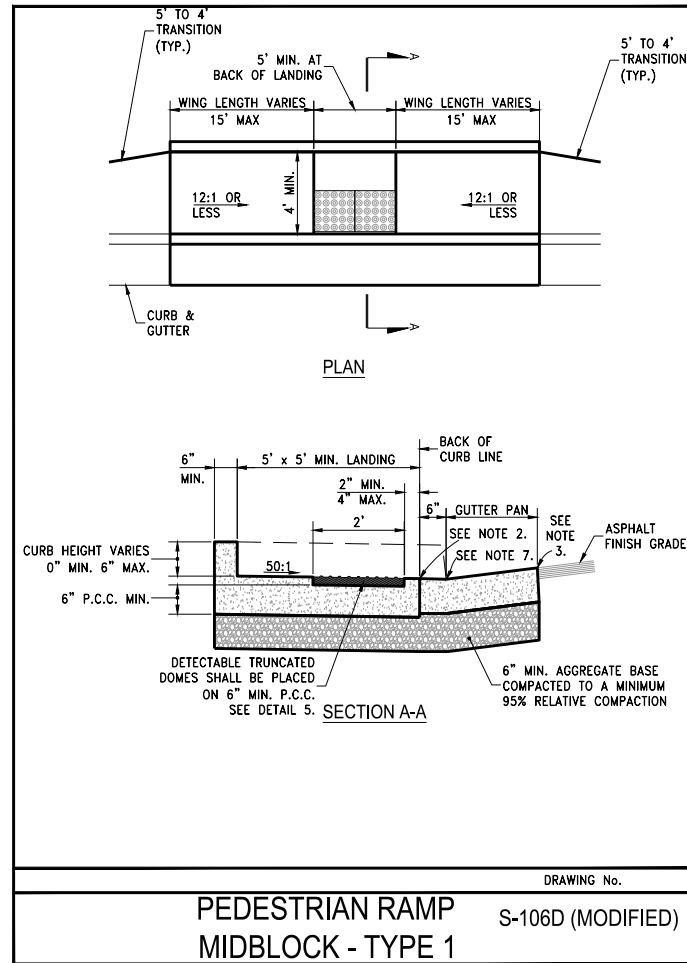
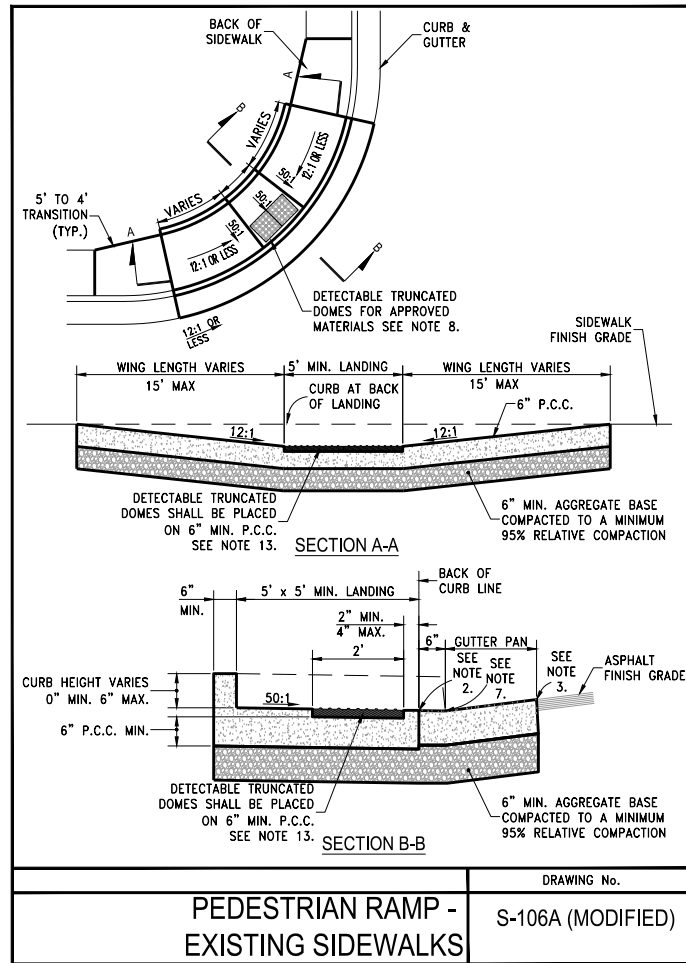
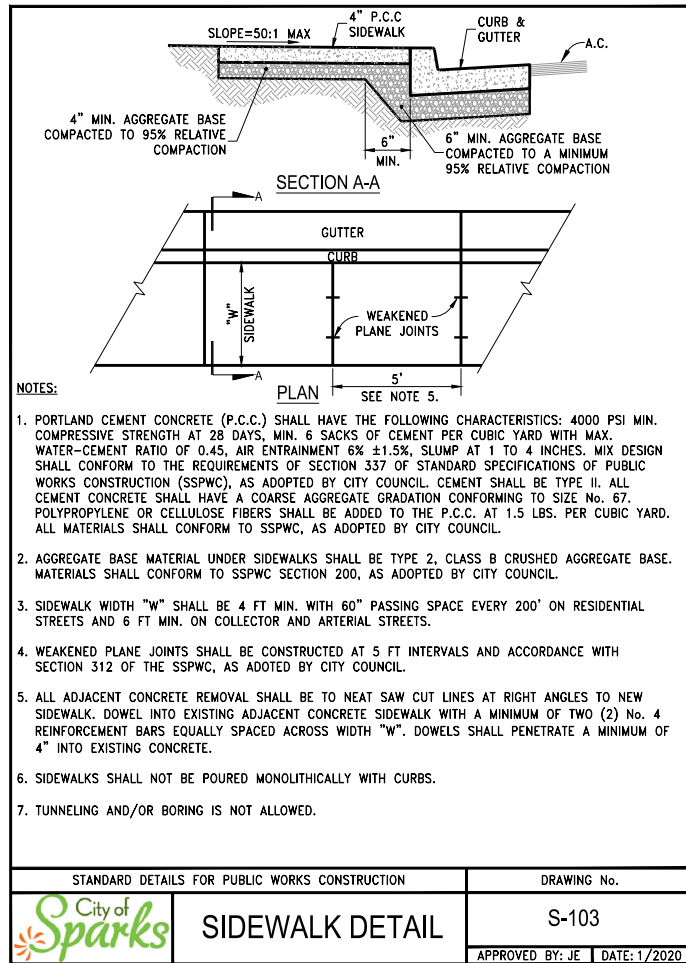
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- CONTRACTOR TO INSTALL 5' PASSING SPACE TO MEET PROWAG REQUIREMENTS. SEE DETAIL C-02/D1.0

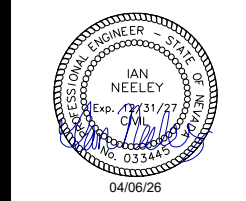
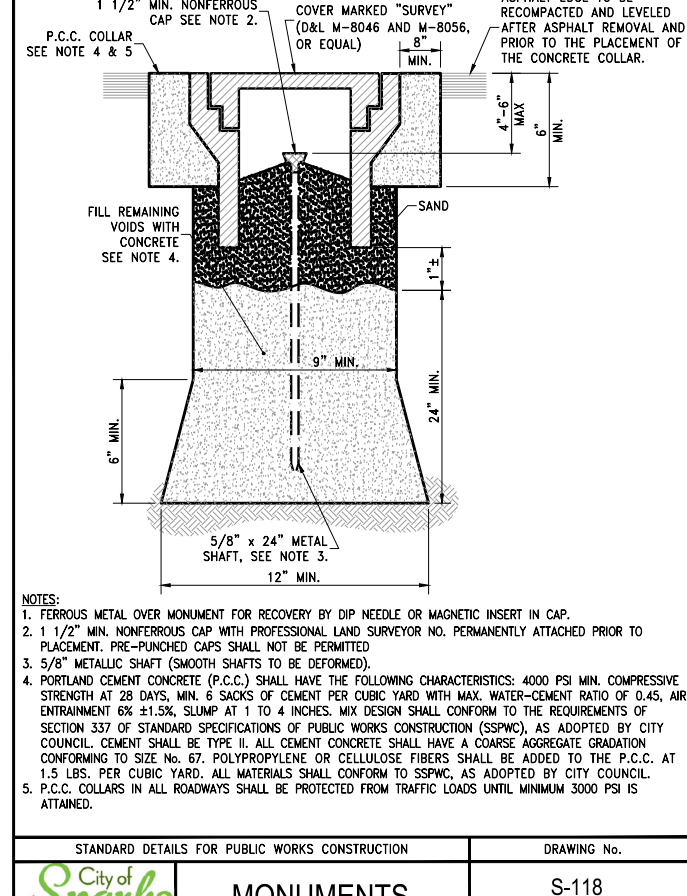
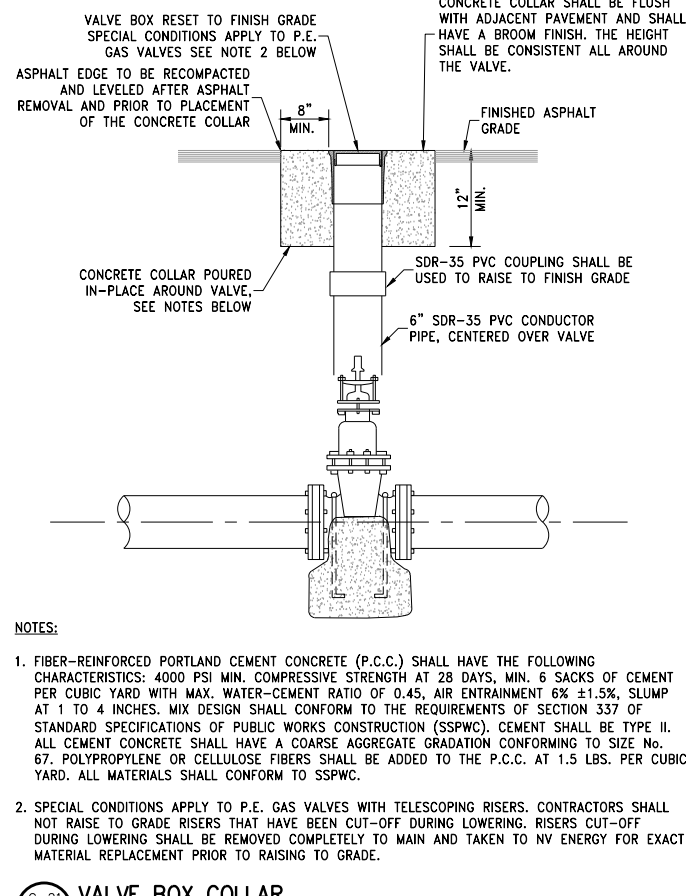
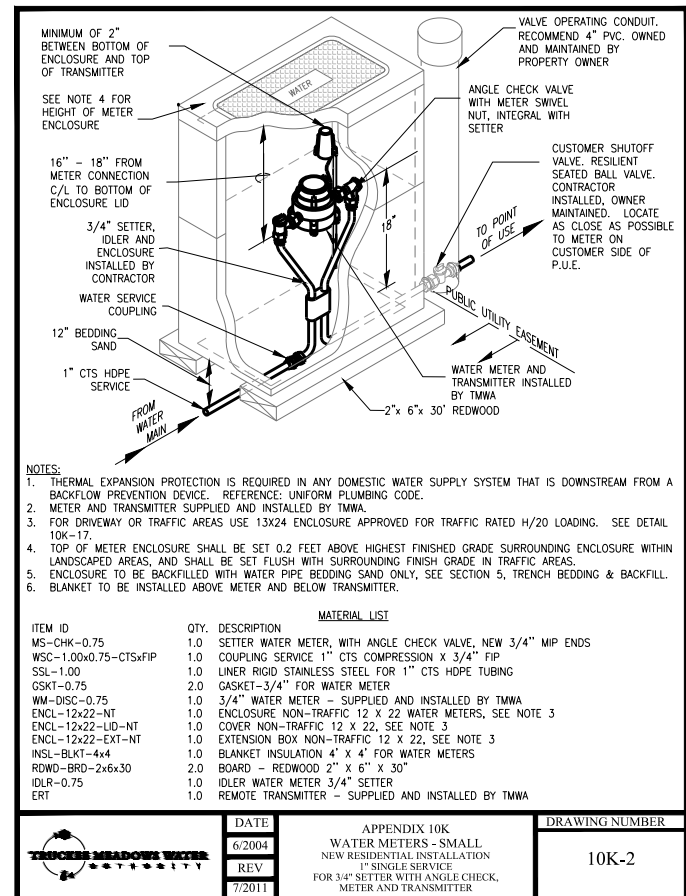
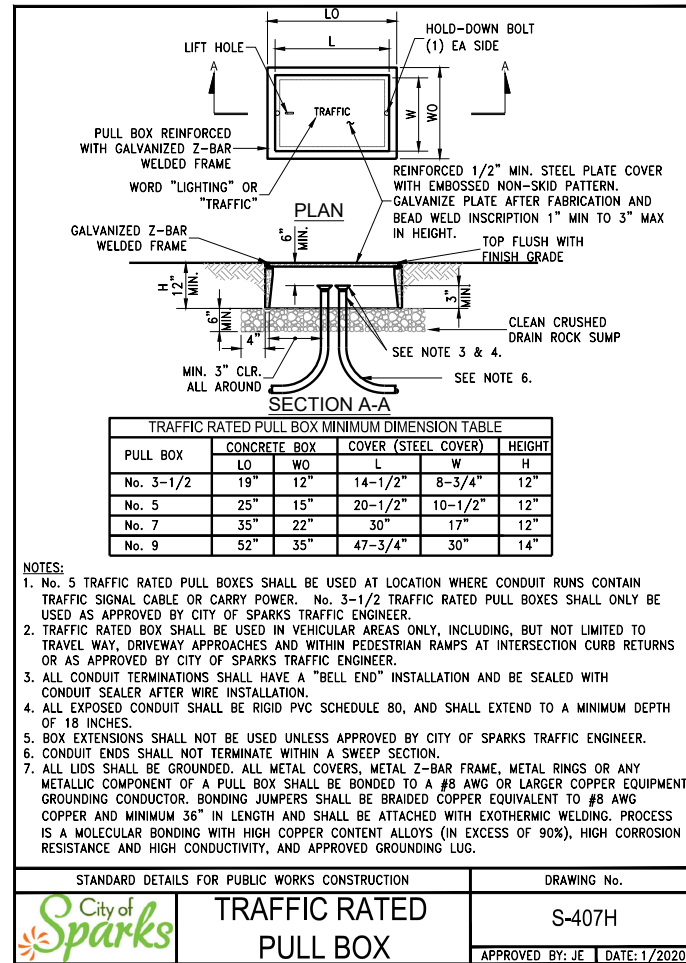
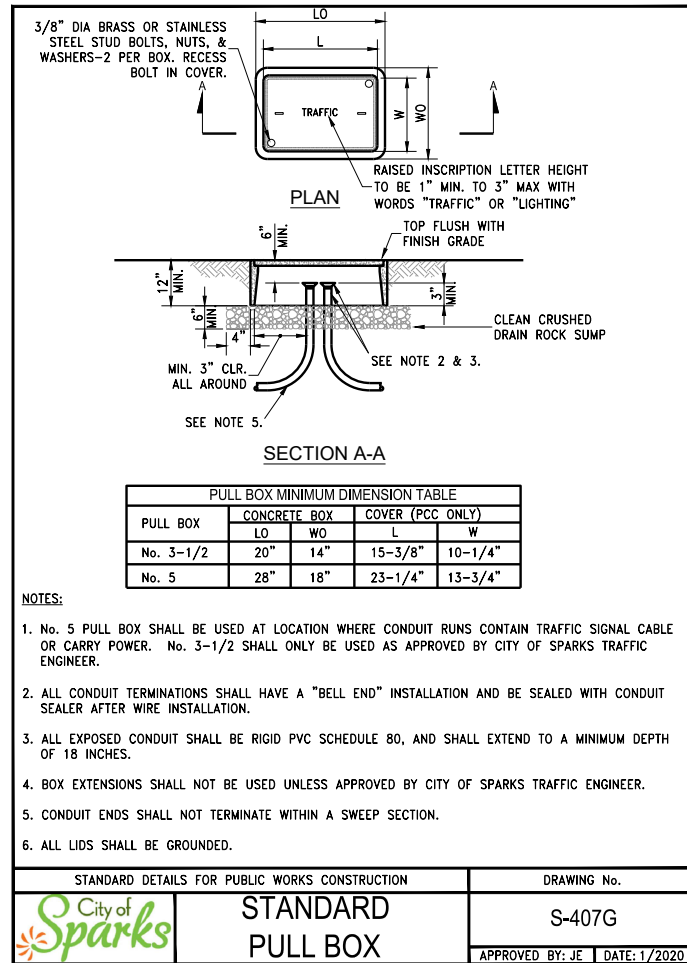
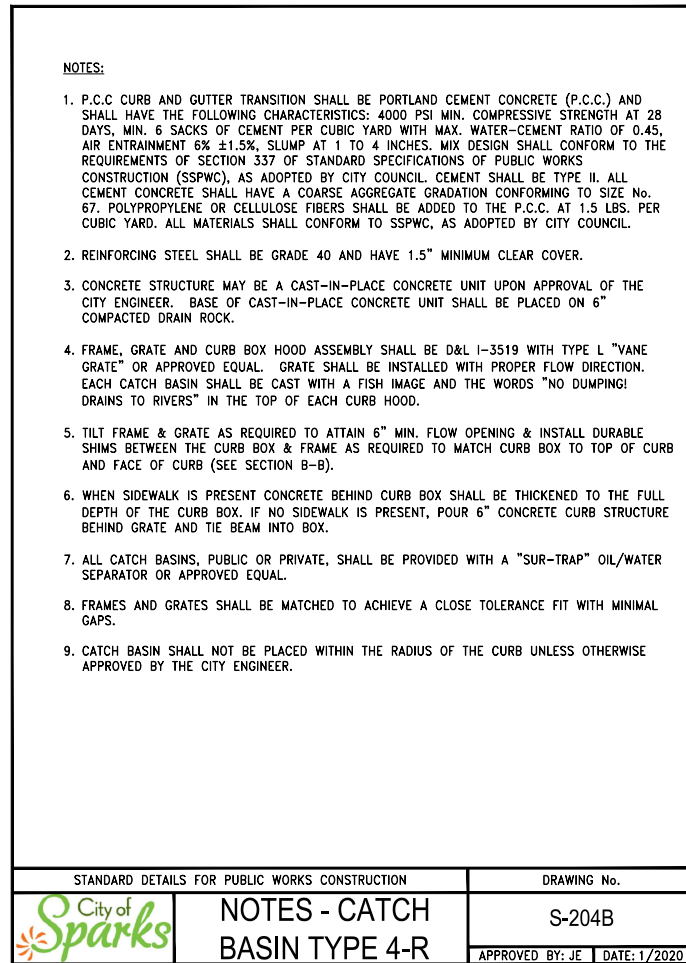
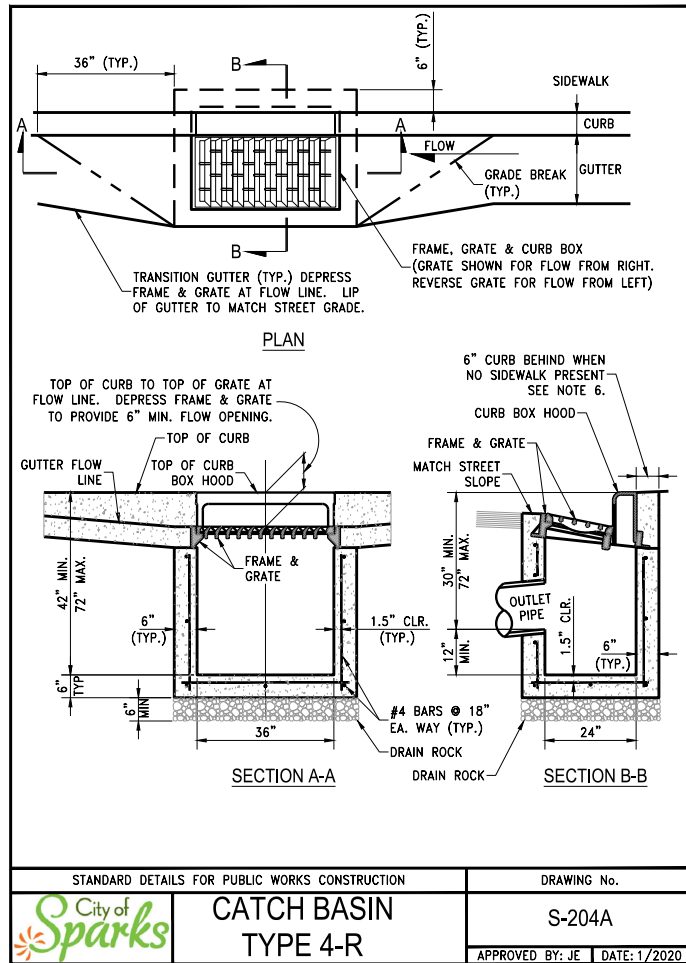
SHEET NOTES:

- CONTRACTOR TO COORDINATE WITH THE CITY OF SPARKS TO POTHOLE AND REPLACE EXISTING STORM DRAIN PIPE.
- CONTRACTOR TO SALVAGE AND RECONSTRUCT WOODEN BOX

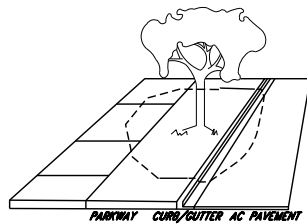
IMPROVEMENT LEGEND

- 6" ROAD BED MODIFICATION
- 8" TYPE 2 AGGREGATE BASE
- PCC SIDEWALK OR FLATWORK
- PCC RESIDENTIAL DRIVEWAY
- PCC DRIVEWAY TRANSITION
- PAVERS
- PCC TYPE 1 CURB AND GUTTER





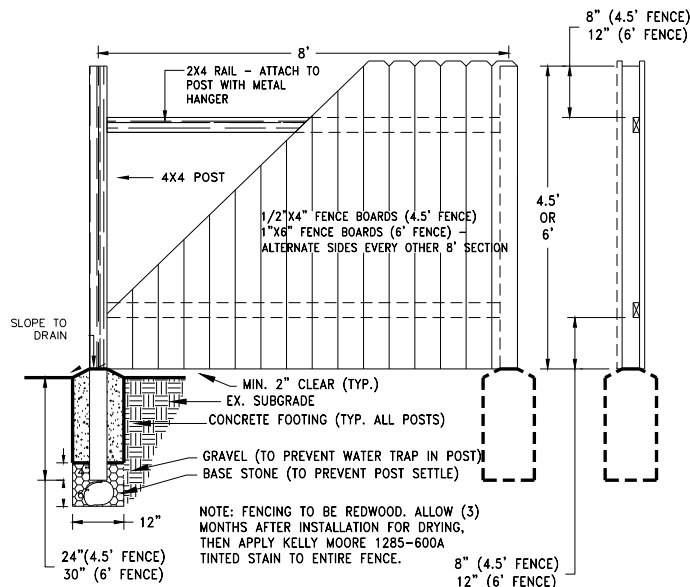
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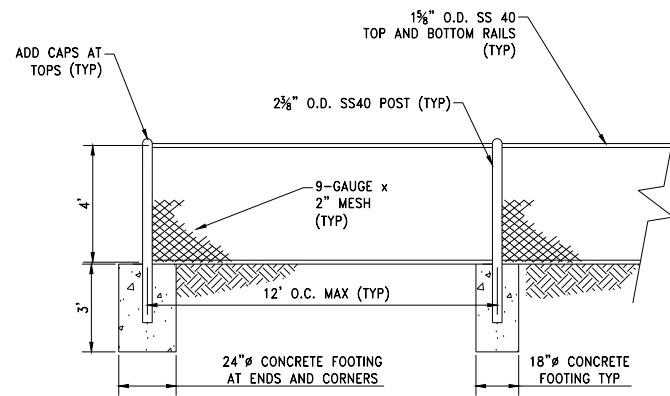
EXCAVATION WITHIN A ROOT ZONE REQUIRES AN ISA CERTIFIED ARBORIST

NOTES:

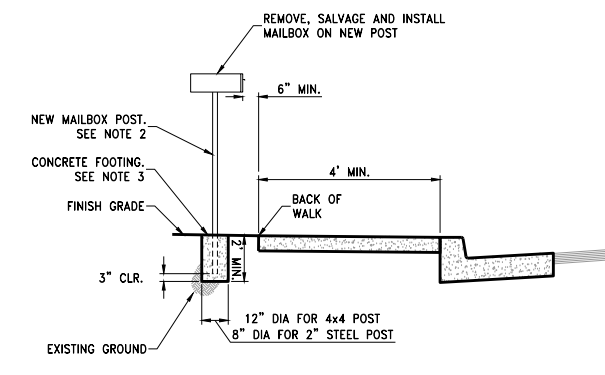
1. THE PROTECTED ROOT ZONE (ZONE) OF EACH TREE IS LOCATED WITHIN THE DRIP LINE OF THE TREE OR WITHIN 1 FOOT PER INCH DIAMETER OF TREE.
2. IF A CONTRACTOR IS TO WORK WITHIN THE ZONE, THE CONTRACTOR SHALL HIRE AN ISA CERTIFIED ARBORIST.
3. UPON APPROVAL, THE CONTRACTOR SHALL EMPLOY METHODS FOR THE REMOVAL OF CONCRETE AND ASPHALT PAVEMENTS WITHOUT DISTURBING TREE ROOTS.
4. NO FIELD MEETINGS BETWEEN THE CONTRACTOR AND THE CITY URBAN FORESTER SHALL TAKE PLACE WITHOUT THE ENGINEER BEING PRESENT WHEN TREE ROOT MITIGATION INSTRUCTIONS ARE ISSUED.
5. WHERE ROOT MITIGATION IS INDICATED, THE CONTRACTOR SHALL EXPOSE THE ROOTS USING A PNEUMATIC OR HYDRAULIC SPADE TOOL, VACUUM TRUCK OR SIMILAR DEVICE, WHICH WILL LOOSEN & REMOVE THE SURROUNDING SOILS WITHOUT DAMAGING THE TREE ROOTS.
6. ALL TREE ROOT MITIGATION WORK SHALL BE PERFORMED UNDER THE SUPERVISION OF AN ISA QUALIFIED CONTRACTOR.
7. TREE ROOTS NOT EXPOSED SHALL BE KEPT MOIST AND ANY EXPOSED ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN 24 HOURS.
8. WHERE THE LANDSCAPE AREAS HAVE BEEN DISTURBED, CONTAMINATED OR REMOVED, THE CONTRACTOR SHALL REPLACE THE SOIL/MATERIAL WITH TOPSOIL THAT MEET THE TOPSOIL SPECIFICATION.



NOTE: MAINTAIN MINIMUM 2' (12" SAND AND 12" NATIVE) BETWEEN GAS SERVICE LINES THAT ARE <2" FENCE AND SIGN FOOTINGS.



NOTE: MAINTAIN MINIMUM 2' (12" SAND AND 12" NATIVE) BETWEEN GAS SERVICE LINES THAT ARE <2" FENCE AND SIGN FOOTINGS.



NOTES:

1. CONTRACTOR SHALL INSTALL MAILBOXES IN A MANNER THAT DOES NOT IMPACT TYPICAL MAIL DELIVERY.
2. MAIL BOX POST SHALL MATCH EXISTING POST TYPE AND SHALL BE ONE OF TWO TYPES: 2" DIAMETER GALVANIZED STEEL POST OR PRESSURE TREATED 4x4 WOOD POST.
3. FIBER-REINFORCED PORTLAND CEMENT CONCRETE (P.C.C) SHALL HAVE THE FOLLOWING CHARACTERISTICS: 4000 PSI MIN. COMPRESSIVE STRENGTH AT 28 DAYS, AIR ENTRAINMENT 6% ± 1.5%, AND SLUMP AT 1 TO 4 INCHES. ALL MATERIALS SHALL CONFORM TO SECTION 202 OF THE CONTRACT DOCUMENTS.

C-31 REQUIREMENTS FOR CONSTRUCTION NEAR TREE ROOT ZONES

D1.3 SCALE: NTS

C-32 4.5' OR 6' TALL WOOD FENCE

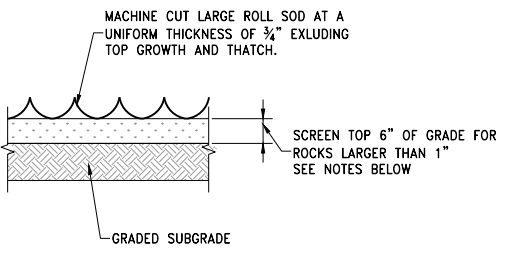
D1.3 SCALE: NTS

C-33 CHAINLINK FENCE AND POSTS

D1.3 SCALE: NTS

C-34 MAILBOX REPLACEMENT

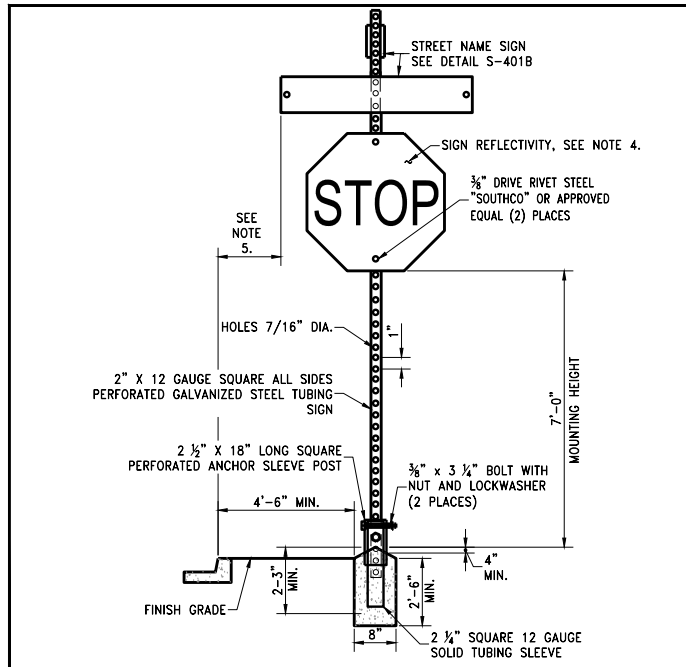
D1.3 SCALE: NTS



- NOTES:
1. ALL AREA TO RECEIVE TURF SHALL BE SCREENED OF ROCKS TO A DEPTH OF 6 INCHES.
 2. CONTRACTOR SHALL PLACE 6" TOPSOIL. TOP SOIL SHALL CONFORM TO SECTION 333 OF THE CONTRACT DOCUMENTS.
 3. LEVEL THE ENTIRE AREA TO FINISH GRADE, READY FOR SOD INSTALLATION. RAKE AND REMOVE ALL ROCKS LARGER THAN 1" FROM THE TOP 2", ALONG WITH ANY ROOTS OR DEBRIS.
 4. PLACE SOD, ROLL THE AREA, BRING TO FINISH GRADE, AND REMOVE ALL VOIDS. SOD SHALL CONFORM TO SECTION 333 OF THE CONTRACT DOCUMENTS.
 5. IMMEDIATELY AFTER SOD IS LAID, ROLL TO REMOVE AIR POCKETS AND OBTAIN UNIFORM GRADE. ANY AREA OF SETTLEMENT SHOULD BE CORRECTED BY LIFTING SOD, GRADING, AND RECOMPACTING THE AREA.
 6. WHEN SOD PLACEMENT IS COMPLETE, CONTRACTOR SHALL NOTIFY ENGINEER AND PROPERTY OWNER SO PROPER WATERING SCHEDULE CAN BE COORDINATED.
 7. THIS DETAIL IS INDENTED FOR AREAS OF SOD REPLACEMENT DUE TO REMOVAL ACTIVITIES. LANDSCAPE RESTORATION IN OTHER AREAS DUE TO REMOVAL ACTIVITIES SHALL BE RESTORED TO EQUAL OR BETTER CONDITIONS AT NO DIRECT PAYMENT. SEE CONTRACT DOCUMENTS SECTION 333.18

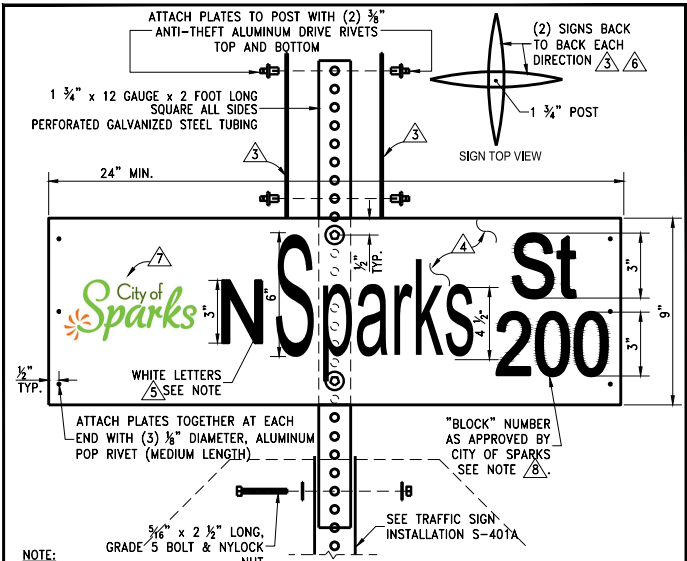
C-35 SOD REPLACEMENT DETAIL

D1.3 SCALE: NTS



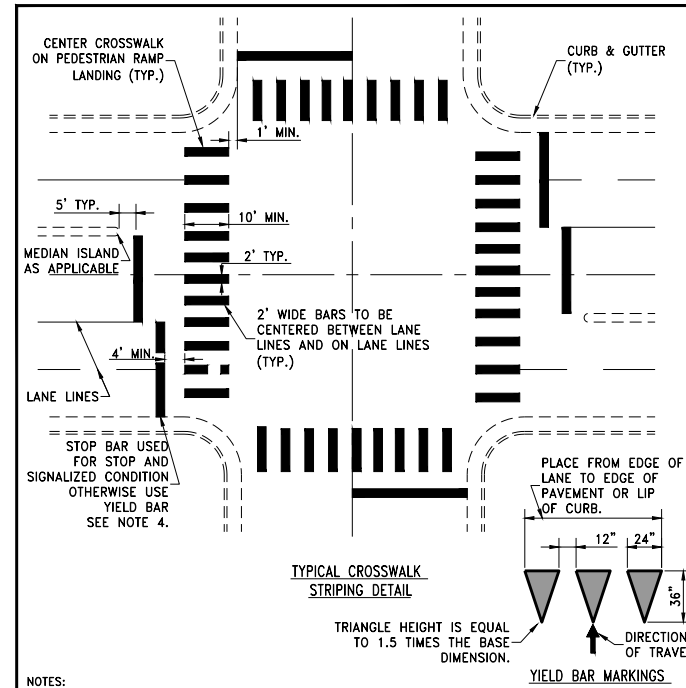
- NOTES:
1. SIGN MATERIALS, CONSTRUCTION AND PLACEMENT SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 2. ON STREETS WHERE CURBING DOES NOT EXIST, SET SIGN 6' MINIMUM FROM PAVEMENT EDGE.
 3. CONCRETE BASE SHALL BE LOCATED AT BACK OF SIDEWALK, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
 4. ALL REGULATORY SIGNS SHALL BE 3M DIAMOND GRADE (DGS) WITH A 3M CLEAR TRANSPARENT OVERLAY #1170 OR APPROVED EQUAL.
 5. 2 FOOT MINIMUM FROM EDGE OF SIGN TO FACE OF CURB IN RESIDENTIAL, COMMERCIAL OR BUSINESS AREAS.
 6. MAINTAIN MINIMUM 2' (12" SAND AND 12" NATIVE) BETWEEN GAS SERVICE LINES THAT ARE <2" FENCE AND SIGN FOOTINGS.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
TRAFFIC SIGN INSTALLATION	S-401A
	APPROVED BY: JE DATE: 4/2021



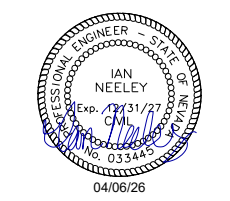
- NOTE:
1. STREET NAME SIGN SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE M.U.T.C.D.
 2. SIGN LETTERING AND HEIGHT SHALL CONFORM TO THE CURRENT MUTCD.
 3. EACH STREET NAME SIGN INSTALLATION SHALL HAVE (4) FLAT PLATE ALUMINUM NO. 6061-T6, .080 GAUGE.
 4. GREEN SHEETING TRANSPARENCY ElectroCUT FILM 1177C "3M" OR APPROVED EQUAL. GREEN SHEETING TRANSPARENCY FILM SHALL BE FROM THE SAME MANUFACTURER AS WHITE SHEETING.
 5. WHITE SHEETING LETTERING SHALL BE RETROREFLECTIVE ASTM IX DIAMOND GRADE VIP "3M" OR APPROVED EQUAL. WHITE SHEETING SHALL BE FROM THE SAME MANUFACTURER AS GREEN TRANSPARENCY FILM.
 6. EACH STREET NAME SIGN INSTALLATION SHALL INCLUDE (2) SIGNS BACK TO BACK EACH DIRECTION FOR A TOTAL OF (4) STREET NAME SIGNS. SEE DETAIL S-401A FOR TRAFFIC SIGN INSTALLATION.
 7. CONTACT THE CITY OF SPARKS' MAINTENANCE SERVICES AT 353-2271 FOR INFORMATION ON THE CITY OF SPARKS LOGO. LOGO EXTENTS SHALL NOT EXCEED 6 INCHES.
 8. THE SIGN IS TO INCLUDE THE "BLOCK" NUMBER ROUNDED TO THE NEAREST HUNDRED.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
STREET NAME SIGN	S-401B
	APPROVED BY: JE DATE: 4/2021



- NOTES:
1. ALL STRIPING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS, LATEST EDITION.
 2. PREFORMED THERMOPLASTIC PAVEMENT MARKINGS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND IN ACCORDANCE WITH SECTION 634 OF THE LATEST EDITION OF "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" PUBLISHED BY THE STATE OF NEVADA DEPARTMENT OF TRANSPORTATION (NDOT), EXCEPT ALL THERMOPLASTIC MARKINGS WILL BE 0.090 INCHES THICK, EXCEPT MARKING FOR BIKE LANES WHICH WILL BE 0.075 INCHES. HOT-APPLIED EXTRUDED THERMOPLASTIC SHALL NOT BE USED.
 3. CROSSWALK MARKINGS SHALL BE INSTALLED AT ALL LOCATIONS AS DIRECTED BY ENGINEER.
 4. PLACE 24" WIDE STOP BAR FOR SIGNALIZED CONTROL INTERSECTIONS. USE 24" WIDE STOP BAR FOR STOP CONTROL INTERSECTIONS. FOR YIELD CONDITION SEE YIELD MARKINGS ABOVE.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
CROSSWALK LEGEND	S-411
	APPROVED BY: JE DATE: 1/2020



REV.	DATE	DESCRIPTION

BAR IS 1 INCH ON ORIGINAL DRAWING

0 1'

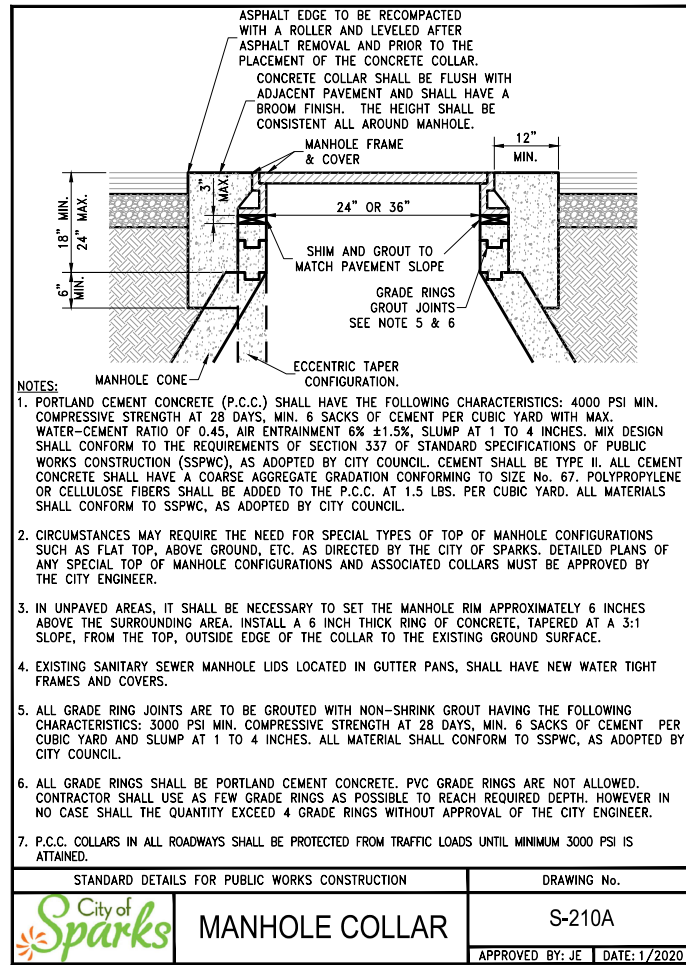
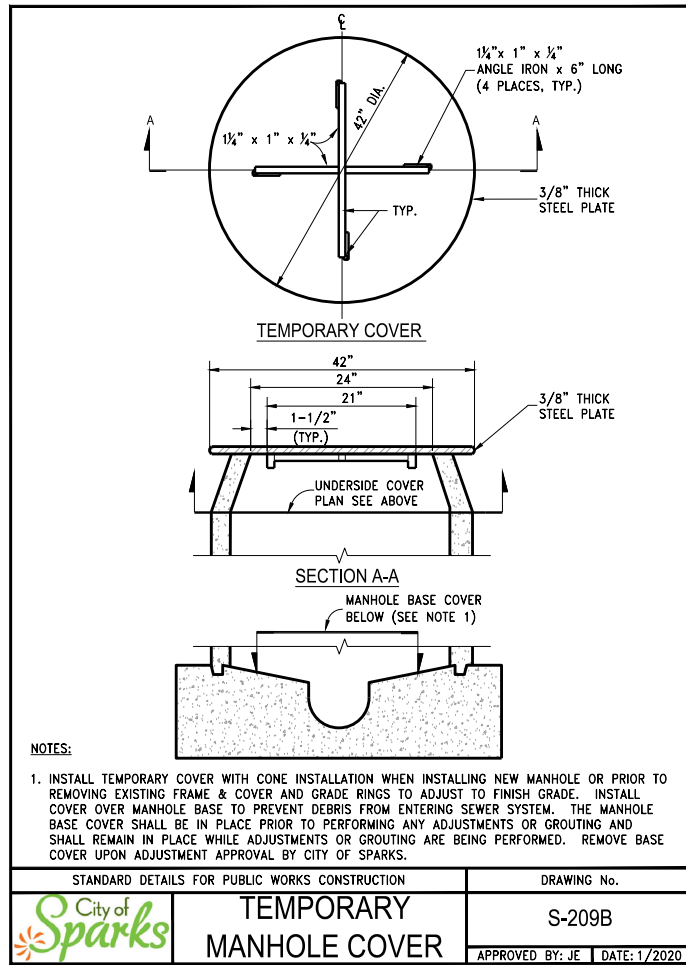
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

D1.3

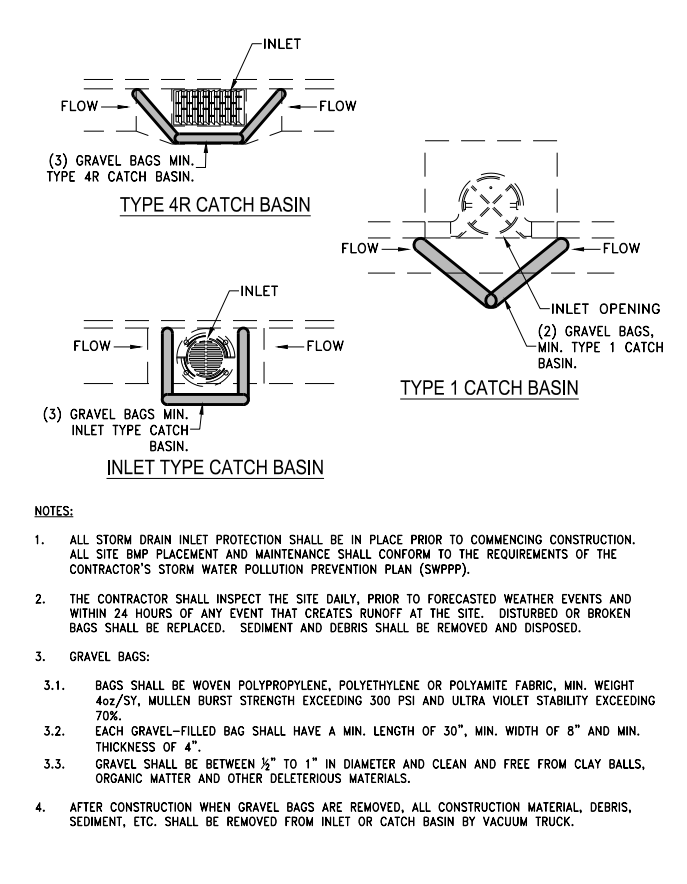
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 DESIGNED BY: AAH
 CHECKED BY: IPN
 JOB NO.: 12421.000

BID SET PLANS
 NOT FOR CONSTRUCTION
 APRIL 2026

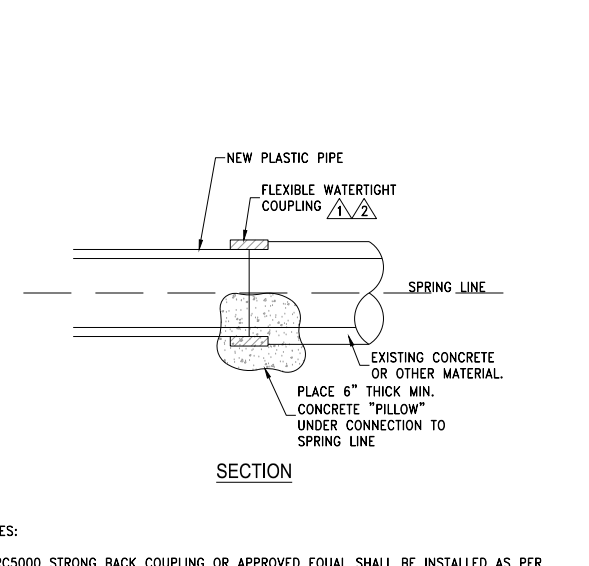
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 04/06/2026 12:57 pm ireeey



C-41 STORM DRAIN INLET PROTECTION SCALE: NTS
D1.4

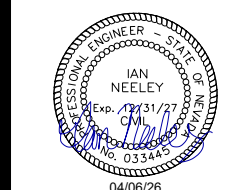


C-42 EXISTING PIPE TO NEW PVC PIPE CONNECTION SCALE: NTS
D1.4



STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
TEMPORARY MANHOLE COVER	S-209B
APPROVED BY: JE	DATE: 1/2020

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION	DRAWING No.
MANHOLE COLLAR	S-210A
APPROVED BY: JE	DATE: 1/2020



REV	DATE	DESCRIPTION

BID SET PLANS
NOT FOR CONSTRUCTION
APRIL 2026

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