CITY OF SPARKS

2024 DRAINAGE AND ROADWAY IMPROVEMENT PROJECT - H STREET

H ST. FROM PYRAMID WAY TO G ST.

PREPARED & SUBMITTED BY:



GARTH OKSOL, P.E. PROJECT ENGINEER DATE

PROJECT No. - 49-23-014



J-U-B ENGINEERS, INC.

p 775 852 1440 w www.jub.com



LANGDON



GATEWAY MAPPING INC.

J-U-B FAMILY OF COMPANIES



CITY OF SPARKS OFFICIALS:

ED LAWSON DONALD ABBOTT DIAN VANDERWELL PAUL ANDERSON CHARLENE BYBEE KRISTOPHER DAHIR

CHRIS CRAWFORTH

MAYOR **COUNCIL MEMBER WARD 1 ACTING CITY MANAGER**

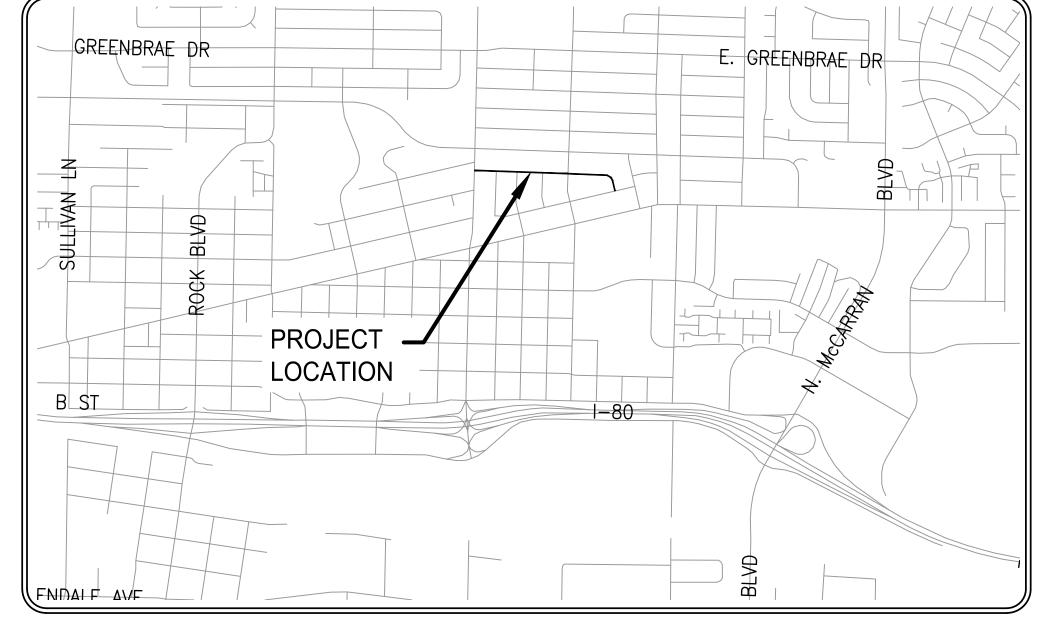
COUNCIL MEMBER WARD 2 COUNCIL MEMBER WARD 3 COUNCIL MEMBER WARD 4 COUNCIL MEMBER WARD 5

APPROVED BY: DATE: JON R. ERICSON, P.E., P.T.O.E.

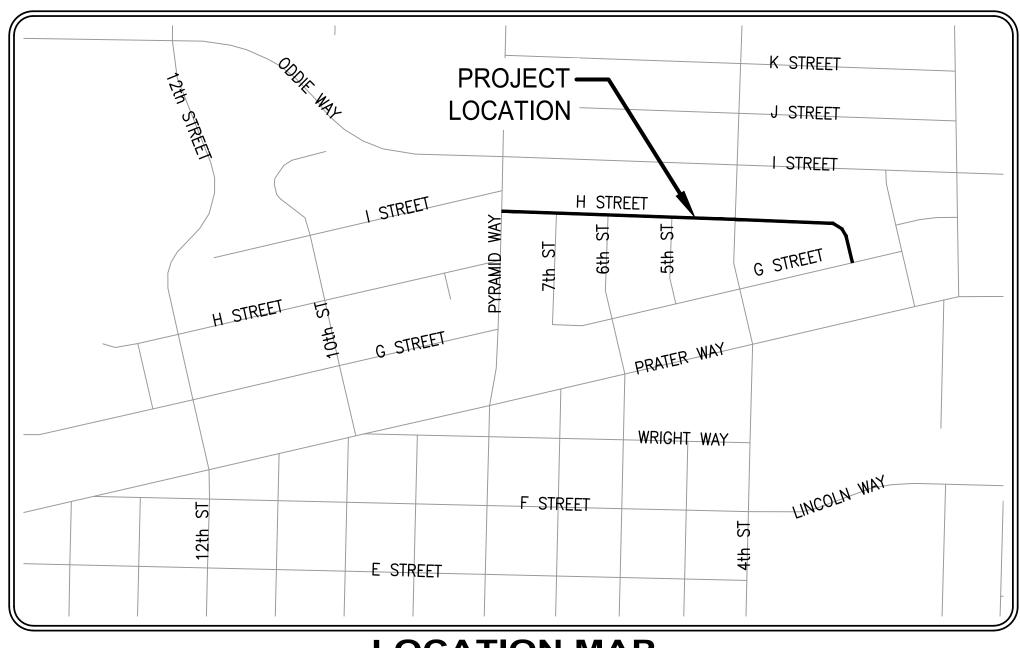
CITY ENGINEER

BID # 23/24-014 PWP #WA-2024-172 FEBRUARY 2024

100% PLANS



VICINITY MAP



LOCATION MAP SCALE: 1" = 500

Sheet List Table

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C-104	SITE PLAN
C-501	DETAILS
C-502	DETAILS
C-503	DETAILS

BASIS OF BEARINGS:

NEVADA STATE PLANE COORDINATE SYSTEM, NAD 83/94, WEST ZONE, MODIFIED BY A GRID TO GROUND COMBINED SCALE FACTOR OF 1.000197939 BASED ON THE WASHOE COUNTY GPS NETWORK.

BASIS OF ELEVATIONS (VERTICAL DATUM):

NAVD 88 BASED ON CITY OF SPARKS BENCHMARK #77 ELEVATION

REUSE OF DOCUMENTS

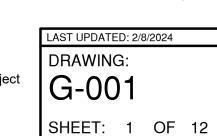
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GENERAL NOTES

- I. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DETAILS CONTAINED IN THESE PLANS, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC), 2012 EDITION, CITY OF SPARKS STANDARDS, AND THE STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION (SDPWC), LATEST EDITION, AS ADOPTED BY CITY OF SPARKS, AND SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER. ALL SPECIFICATIONS REFERENCED HEREIN REFER TO THE SSPWC UNLESS INDICATED OTHERWISE.
- 2. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL, THROUGHOUT CONSTRUCTION, IN ACCORDANCE WITH APPLICABLE PARTS OF SPECIFICATION SECTION 332, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD, LATEST EDITION).
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE GENERAL SAFETY DURING CONSTRUCTION, AND ALL WORK SHALL CONFORM TO PERTINENT SAFETY REGULATIONS AND CODES. THE CONTRACTOR SHALL FENCE AND OR BARRICADE THE CONSTRUCTION AREA AS REQUIRED TO PROTECT ADJACENT SITES, VEHICULAR TRAFFIC, AND PEDESTRIAN TRAFFIC. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF OSHA AND NRS CHAPTER 618, IN THE CONSTRUCTION PRACTICES FOR ALL EMPLOYEES DIRECTLY ENGAGED IN THE CONSTRUCTION OF THIS PROJECT.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND/OR PROTECTION OF ALL EXISTING AND PROPOSED PIPING, UTILITIES, TRAFFIC SIGNAL EQUIPMENT (BOTH ABOVE GROUND AND BELOW GROUND), STRUCTURES ADJACENT TO STREETS, AND ALL OTHER EXISTING IMPROVEMENTS THROUGHOUT CONSTRUCTION.
- 5. THE CONTRACTOR SHALL PURSUE WORK IN A CONTINUOUS AND DILIGENT MANNER TO ENSURE A TIMELY COMPLETION OF THE PROJECT.
- 6. ALL CONSTRUCTION SHALL BE CLOSELY COORDINATED WITH THE CITY OF SPARKS SO THAT THE QUALITY OF WORK CAN BE CHECKED FOR APPROVAL.
- 7. THE CONTRACTOR SHALL INCORPORATE ADEQUATE DRAINAGE PROCEDURES DURING THE CONSTRUCTION PROCESS TO ELIMINATE EXCESSIVE PONDING AND/OR EROSION.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SITE IN A NEAT AND ORDERLY MANNER THROUGHOUT THE CONSTRUCTION PROCESS. ALL MATERIALS SHALL BE STORED WITHIN APPROVED CONSTRUCTION AREAS.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUOUS DUST CONTROL THROUGHOUT THE CONSTRUCTION OF ALL ITEMS SHOWN ON THESE DRAWINGS IN CONFORMITY WITH SECTION 40.030 OF WASHOE COUNTY AIR POLLUTION REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REGULAR CLEANING OF ALL MUD, DIRT, DEBRIS, ETC., FROM ANY AND ALL ADJACENT STREETS AND SIDEWALKS.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, ALL PERMITS AS REQUIRED BY CITY OF SPARKS. THE DUST CONTROL PERMIT SHALL BE AT THE CONTRACTOR'S EXPENSE. THE ENCROACHMENT, EXCAVATION, AND LANE CLOSURE PERMITS ARE "NO FEE" PERMITS FOR CITY PROJECTS.
- 11. ALL DIMENSIONS ARE TO FRONT FACE OF CURB (FFC) UNLESS NOTED OTHERWISE.
- 12. SHOULD ANY PREHISTORIC OR HISTORIC REMAINS OR ARTIFACTS BE DISCOVERED DURING SITE DEVELOPMENT, WORK SHALL BE TEMPORARILY HALTED AT THE SPECIFIC SITE AND THE STATE HISTORIC PRESERVATION OFFICE OF THE DEPARTMENT OF MUSEUMS, LIBRARY AND ARTS, SHALL BE NOTIFIED TO RECORD AND PHOTOGRAPH THE SITE. THE PERIOD OF TEMPORARY DELAY SHALL BE LIMITED TO A MAXIMUM OF TWO (2) WORKING DAYS FROM THE DATE OF NOTIFICATION.
- 13. NO MATERIALS OF ANY KIND SHALL BE STOCKPILED OR CONSTRUCTION EQUIPMENT PARKED ON CONCRETE OR ASPHALT SURFACES UNLESS APPROVED BY THE CITY PROJECT COORDINATOR.
- 14. CONSTRUCTION OF STREET IMPROVEMENTS MUST ALLOW FOR THE PERPETUATION OF ALL EXISTING LEGAL ACCESSES AND EXISTING DRIVEWAYS.
- 15. THE CONTRACTOR SHALL FURNISH PRODUCT SUBMITTALS FOR IMPROVEMENTS INCLUDING MANUFACTURER'S SPECIFICATIONS, SHOP DRAWINGS, CONCRETE MIX DESIGNS, ASPHALT MIX DESIGNS, GRADATION CERTIFICATIONS, ETC. FOR REVIEW BY THE ENGINEER OF RECORD. SUBMITTALS SHALL BE FURNISHED PROMPTLY AFTER EXECUTION OF THE CONTRACT, BUT IN ALL CASES PRIOR TO DELIVERY OF SUCH MATERIALS.

16. THE CONTRACTOR IS REQUIRED TO FILE A NOTICE OF INTENT (NOI) WITH THE NEVADA DEPARTMENT OF ENVIRONMENTAL PROTECTION. THE CONTRACTOR IS REQUIRED TO SUBMIT THE NOI, PAY THE ASSOCIATED FEES, AND PROVIDE A COPY OF THE NOI RECEIPT WITH THE EE PERMIT APPLICATION. BEST MANAGEMENT PRACTICES SHALL BE IN PLACE PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL COMPLY AND MAINTAIN THE CONSTRUCTION SITE INSPECTION CHECKLIST, LOCATED IN APPENDIX D OF THE TRUCKEE MEADOWS BMP HANDBOOK. THE CHECKLIST SHALL BE ONSITE FOR REVIEW BY STATE AND LOCAL GOVERNMENT INSPECTORS. THE CONTRACTOR SHALL INSPECT THE SITE DAILY; PRIOR TO FORECASTED RAIN EVENTS AND WITHIN 24 HOURS OF ANY RAIN EVENT. IF AN INSPECTOR DETERMINES THAT INSTALLED STORM WATER CONTROLS PLACE THE CITY AT RISK OF VIOLATING ITS NPDES PERMIT, THE INSPECTOR MAY ORDER A CHANGE TO THE STORM WATER CONTROLS. IF THE CHANGE IS NOT ACCEPTABLE OR IS NOT IMMEDIATELY IMPLEMENTED, A VIOLATION POSSIBLY RESULTING IN A FINE MAY BE ISSUED. THE CONTRACTOR SHALL NOT DISPOSE OR PLACE DEBRIS IN ANY CITY OF SPARKS MANHOLE, CATCH BASIN OR FACILITY.

ASPHALT NOTES

- PULVERIZED MATERIAL SHALL CONFORM TO REQUIREMENTS OF THE SSPWC FOR TYPE I RECYCLED AGGREGATE BASE.
- 2. ASPHALT CONCRETE MIX DESIGN SHOULD BE TYPE III, 50 BLOW MARSHALL MIX, WITH PG64-28NV, AND 3% AIR VOIDS.
- 3. MIX DESIGNS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL
- 4. ASPHALT CONCRETE PAVEMENT SHALL BE PLACED IN ACCORDANCE WITH SSPWC.

EXISTING UTILITIES

- 1. APPROXIMATE LOCATIONS OF UTILITIES ARE SHOWN ON THE PLANS. THEY ARE TO BE USED FOR GENERAL INFORMATION ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE APPROPRIATE UTILITY COMPANIES WHEN CONSTRUCTION MIGHT INTERFERE WITH NORMAL OPERATION OF ANY UTILITIES. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE APPROPRIATE UTILITY COMPANY FIELD-LOCATE ANY UTILITY INSTALLATIONS WHICH MIGHT BE AFFECTED BY CONSTRUCTION PRIOR TO BEGINNING WORK IN THAT AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SERVICE OF EXISTING UTILITIES AND FOR RESTORING ANY UTILITIES DAMAGED DUE TO CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. DEPTHS AND ELEVATIONS OF UTILITIES ARE UNKNOWN UNLESS OTHERWISE SHOWN. CONTRACTOR SHALL FIELD VERIFY UTILITY DEPTHS AND ELEVATIONS; ANY DISCREPANCIES AND/OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
 - RECENT UTILITY WORK INCLUDES:

 A. NV ENERGY 7TH STREET GAS MAIN REPLACEMENT

 B. TMWA 5TH, 6TH, 7TH, AND G STREET WATER MAIN REPLACEMENT.

 C. TMWA H STREET WATER MAIN REPLACEMENT.

 CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH CURRENT CONDITIONS INCLUDING, BUT NOT LIMITED TO, FIELD INVENTORY.

DEMOLITION NOTES

- 1. THE REMOVAL OF EXISTING IMPROVEMENTS SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC, 2012), SECTION 301.00.
- 2. EXISTING IMPROVEMENTS, ADJACENT PROPERTY, FENCING, WALLS, UTILITIES AND OTHER FACILITIES, TREES AND PLANTS THAT ARE NOT TO BE REMOVED SHALL BE PROTECTED FROM INJURY OR DAMAGE RESULTING FROM THE CONTRACTORS OPERATIONS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC, 2012), SECTIONS 301.04 AND 300.04.
- 3. THE CONTRACTOR SHALL ADJUST ALL EXISTING MANHOLE RIMS, WATER & GAS VALVE COVERS, & UTILITY BOXES AND FRAME AND COVERS, BOTH HORIZONTALLY AND VERTICALLY, AS REQUIRED TO FIT THE NEW WORK. THE CONTRACTOR SHALL REPLACE ANY APPURTENANCE DAMAGED DURING RELOCATION AT THE COST OF THE CONTRACTOR.
- 4. ALL EXISTING FEATURES IN CONFLICT WITH PROPOSED SHALL BE REMOVED, RELOCATED AND/OR REPLACED. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER AND THE GOVERNING AGENCIES PRIOR TO SUCH REMOVAL, RELOCATION AND/OR REPLACEMENT.

CONTACT PHONE NUMBERS

ENGINEER - (J-U-B ENGINEERS, INC.

LONNIE J. JOHNSON, P.E. OR GARTH OKSOL, P.E. J-U-B OFFICE - RENO, NV 5190 Neil Rd. Ste. 500

TRANSPORTATION MANAGER - (CITY OF SPARKS)

AMBER SOSA, P.E. 431 Prater Way Sparks, NV 89431

Reno, NV 89502

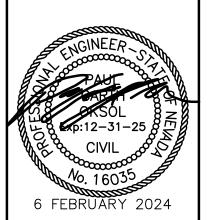
775-353-2273 office

775-852-1440 office

(JUB)

J-U-B ENGINEERS, INC

B ENGINEERS, II 5190 Neil Road Suite 500 Reno, NV 89502



R & ROADWAY PROJECT H STREET

2024 DRAINAGE & F H ST

FILE: 49-23-014_G-10X

JUB PROJ. #: 49-23-014

DRAWN BY: ALM

DESIGN BY: CWH

CHECKED BY: GO

CHECKED BY: GO

ONE INCH

AT FULL SIZE, IF NOT ONE
INCH, SCALE ACCORDINGI
LAST UPDATED: 2/8/2024

DRAWING: G-002

J-U-B ENGINEERS, INC. SHEET: 2 OF 12

Know what's below.
Call before you dig.

LINE LEGEND

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
PROPERTY LINE		———— P/L ————
RIGHT OF WAY		R/W
ROAD CENTERLINE		
WATER MAIN		w
WATER SERVICE		WS WS
SANITARY SEWER		ss
STORM DRAIN		————SD————
OVERHEAD POWER		OHP
NATURAL GAS		G
NATURAL GAS SERVICE		G G
FENCE		×
WOOD FENCE		
MAJOR CONTOUR	 2521 	
MINOR CONTOUR		
UTILITY ABANDONED IN PLACE		_/_/_/
CURB & GUTTER AND SIDEWALK		=======================================

SYMBOL LEGEND

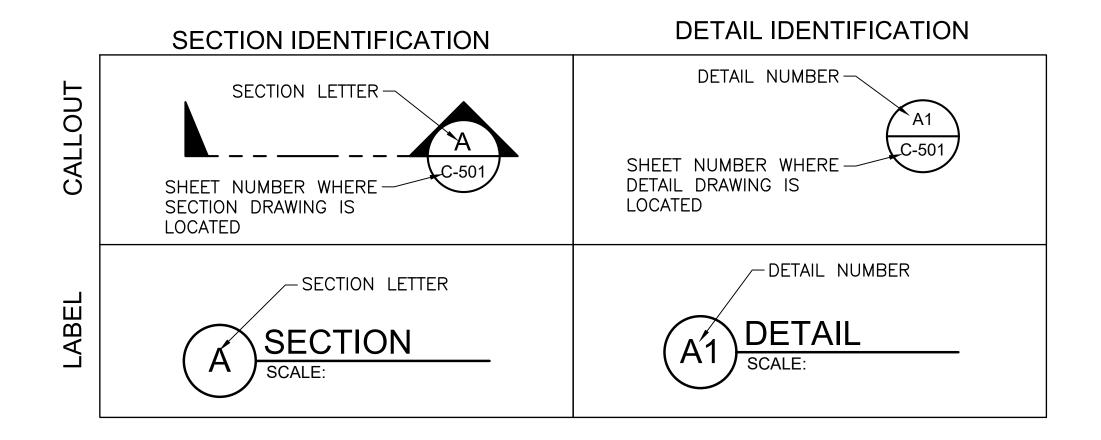
SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL	SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
CATCH BASIN			GAS VALVE	G ⊠	
SD MANHOLE	D		POWER POLE	-	
SS MANHOLE	S		STREET LIGHT	*	
FIRE HYDRANT	8		GUY WIRE	→	
WATER METER	⊞		TEST HOLE	(TH)	
WATER VALVE	W		SIGN		
MONUMENT					

HATCH LEGEND

HATCH DESCRIPTION	HATCH DEPICTION		ASSOCIATED SECTION/DETAIL
PROPOSED ASPHALT TYPICAL SECTION			TS1 C-100
PROPOSED CONCRETE DRIVEWAY		DRIVEWAY APRON	S-111B C-501
PROPOSED CONCRETE REPLACEMENT SECTION		SIDEWALK	S-103 C-501
PROPOSED POSSIBLE REM & REPL SECTION		DRIVEWAY OR WALKWAY	S-103 S-111B S-112A C-501 C-501 C-502

SECTION AND DETAIL IDENTIFIERS

NOTE:
A DASH MAY BE PLACED IN THE LOWER PORTION
OF THE IDENTIFIER IF THE DETAIL DRAWING OR
SECTION VIEW IS LOCATED ON THE SAME SHEET.



SHEET NUMBERING

SAMPLE: C-101

DISCIPLINE DESIGNATOR
SHEET TYPE DESIGNATOR
SHEET SEQUENCE NUMBER

C - 1 01

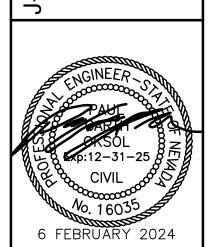
DISCIPLINE DESIGNATORS									
DISCIPLINE	DESIGNATOR	DESCRIPTION							
	G	ALL GENERAL							
 GENERAL	GI	GENERAL INFORMATION							
GENERAL	GC	GENERAL CONTRACTUAL							
	GR	GENERAL RESOURCE							
SURVEY/MAPPING	V	ALL SURVEY							
GEOTECHNICAL	В	ALL GEOTECHNICAL							
CIVIL	С	ALL CIVIL							
LANDSCAPE	L	ALL LANDSCAPE							
STRUCTURAL	S	ALL STRUCTURAL							
ARCHITECTURAL	A	ALL ARCHITECTURE							
EQUIPMENT	Q	ALL EQUIPMENT							
MECHANICAL	М	ALL MECHANICAL							
ELECTRICAL	E	ALL ELECTRICAL							
PLUMBING	Р	ALL PLUMBING							
PROCESS	D	ALL PROCESS							
RESOURCE	R	ALL RESOURCE							

SHEET TYPE DESIGNATORS							
DESIGNATOR	SHEET TYPE						
O GENERAL (SYMBOLS, LEGENDS, NOTES, ETC.)							
1 PLANS (HORIZONTAL VIEWS)							
5 DETAILS OR COMBINED DETAILS AND SECTIONS							

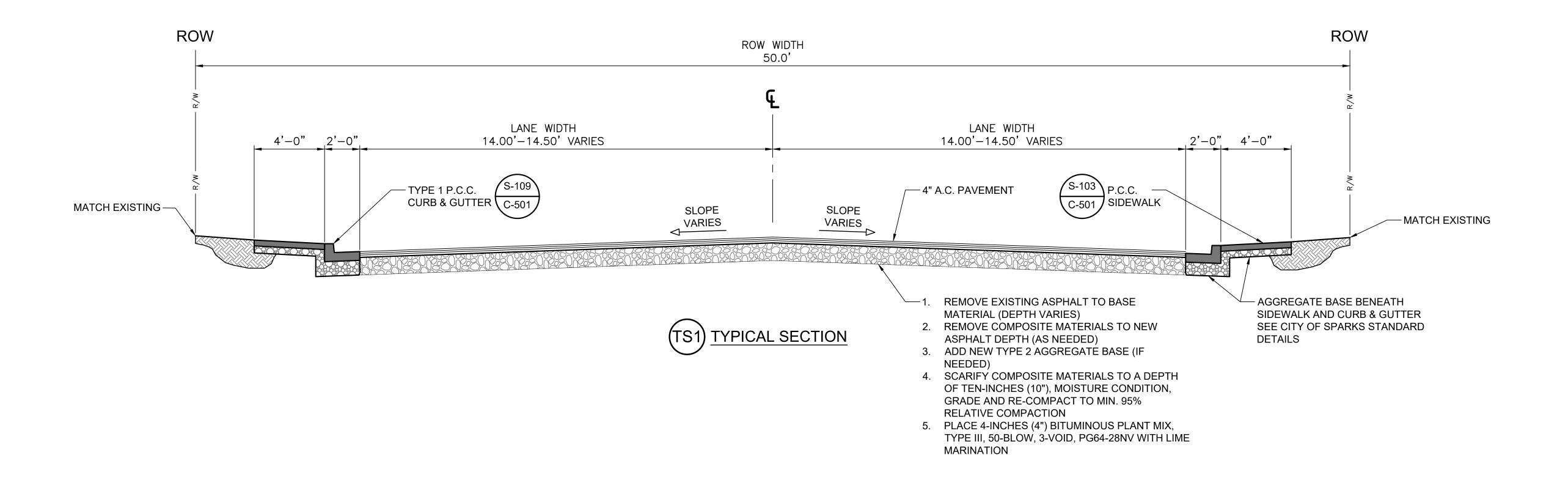
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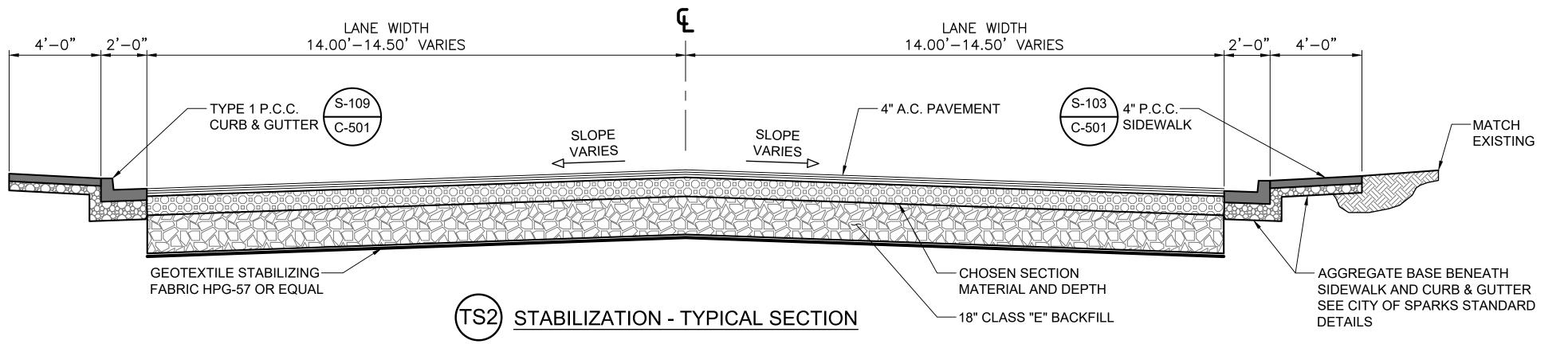
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5190 Neil Road Suite 500 Reno, NV 89502



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REUSE OF DRAWINGS J-U-B SHALL RETAIN ALL COMMON LAW, STATUTORY, COPYRIGHT AND OTHER RESERVED RIGHTS OF THESE DRAWINGS, AND THE SAME SHALL NOT BE REUSED WITHOUT J-U-B'S PRIOR WRITTEN CONSENT. ANY REUSE WITHOUT WRITTEN CONSENT BY J-U-B WILL BE AT CLIENT'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO J-U-B.	REVISION						. DESCRIPTION
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2024 DRAINAGE & ROADWAY PROJECT H STREET							
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WHERE REQUIRED FOR STABILIZATION

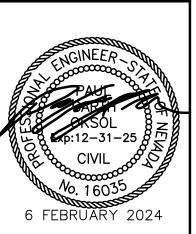
NOTES:

- 1. IF THIS SECTION IS REQUIRED, THE CONTRACTOR SHALL ACKNOWLEDGE THE POSSIBILITY OF EXISTING UTILITIES AND SHALL TAKE STEPS TO INSURE THAT ALL UTILITIES ARE LOCATED AND PROTECTED DURING CONSTRUCTION.
- DEPTHS MAY VARY FROM TEST RESULTS CONDUCTED IN THE FIELD BY THE MATERIAL TESTER OR ENGINEER ON RECORD.



J-U-B ENGINEERS, INC.

J-U-B ENGINEERS, IN 5190 Neil Road Suite 500 Reno, NV 89502



YY, COPYRIGHT AND AND THE SAME RITTEN CONSENT. WILL BE AT CLIENT'S OSURE TO J-U-B.				BY JAPR, DATE
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2024 DRAINAGE & ROADWAY PROJECT H STREET

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JUB PROJ. #: 49-23-014

DRAWN BY: ALM

DESIGN BY: CWH

CHECKED BY: GO

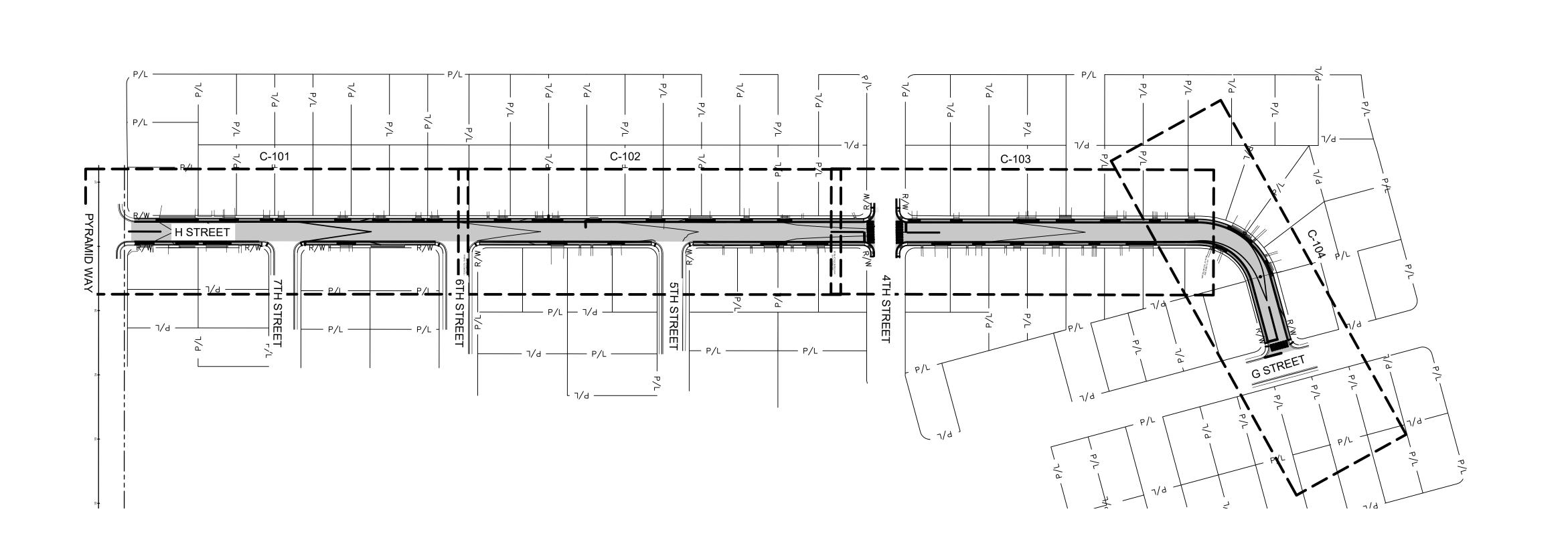
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LAST UPDATED: 2/8/2024

DRAWING:

SHEET: 4 OF 12

Plot Date:2/8/2024 10:47 AM Plotted By: Cole Herbert
Date Created:1/3/2024 \\UUB.COM\CENTRAL\CLIENTS\NV\





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2024 DRAINAGE & ROADWAY PROJECT H STREET

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DRAWN BY: ALM

DESIGN BY: CWH

CHECKED BY: GO

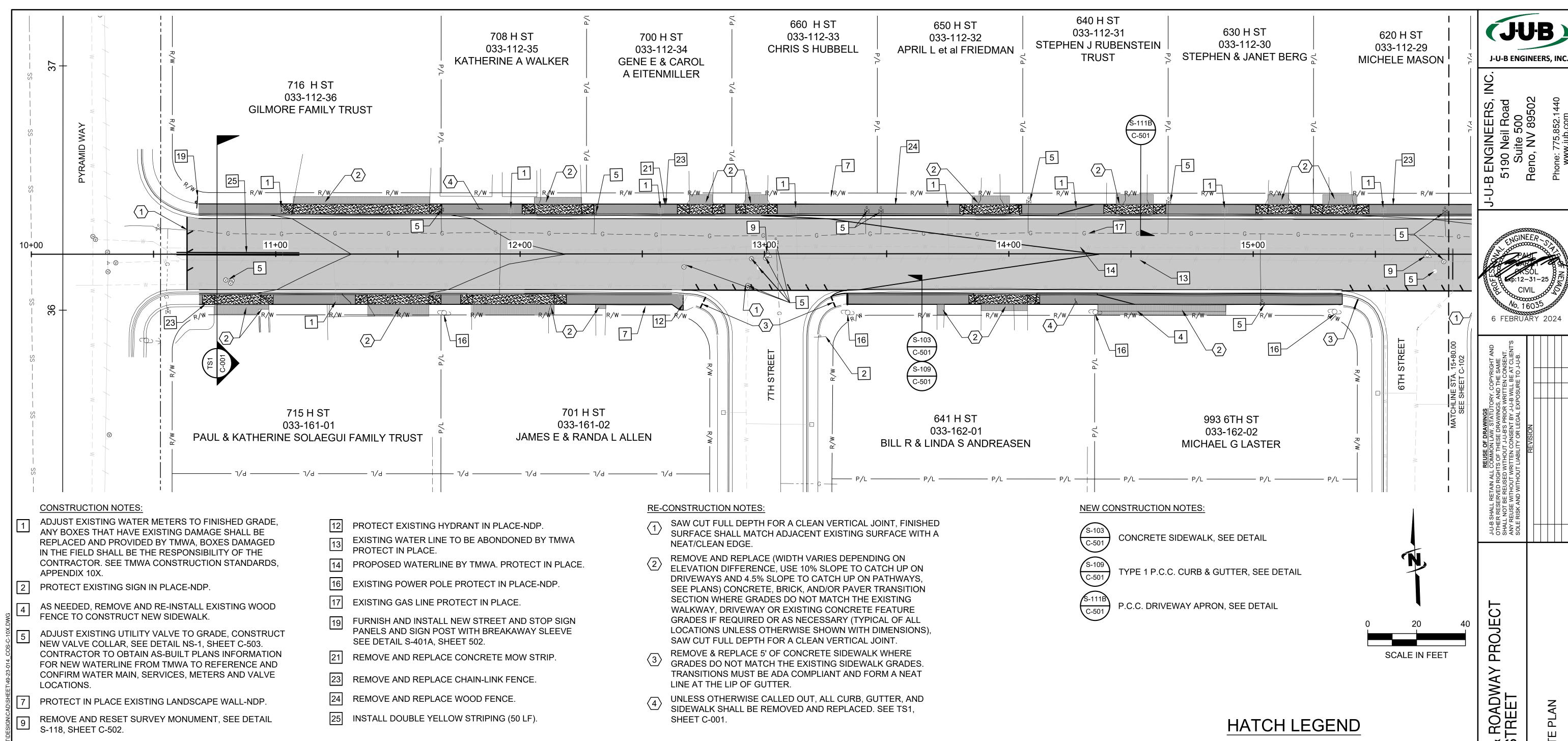
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INCH, SCALE ACCORDINGLY

LAST UPDATED: 2/8/2024

DRAWING: C-002

SHEET: 5 OF 12



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	TOP	BACK OF CUR	B (LEFT)	LI	P OF GUTTER	(LEFT)	GRADE CROWN GRA			GRADE	LII	OF GUTTER (RIGHT)	TOP BACK OF CURB (RIGHT)		
	OFFSET	EXISTING	PROPOSED	OFFSET	EXISTING	PROPOSED		EXISTING	PROPOSED		OFFSET	EXISTING	PROPOSED	OFFSET	EXISTING	PROPOSED
10+75.31	17.05'	17.88		15.05'	17.51			17.92			14.59'	17.66		16.59'	17.95	
11+00.00	16.59'	17.35	17.48	14.59'	17.08	17.09	2.2%	17.45	17.41	2.7%	14.57'	17.00	17.01	16.57'	17.33	17.39
11+50.00	16.57'	16.63	16.40	14.57'	16.39	16.41	2.3%	16.84	16.74	3.1%	14.54'	16.38	16.29	16.54'	16.48	16.26
11+95.54	16.56'	16.07	16.20	14.56'	15.88	15.82	2.1%	16.30	16.13	3.4%	14.25'	15.73	15.65	16.25'	16.10	15.61
12+00.00	16.55'	16.03	16.13	14.55'	15.84	15.76	2.4%	16.26	16.11	3.4%	14.52'	15.64	15.62	16.52'	16.05	15.59
12+50.00	16.54'	15.61	15.82	14.54'	15.37	15.44	2.5%	15.85	15.81	3.3%	14.49'	15.36	15.33	16.49'	15.53	15.73
13+00.00	16.52'	15.23	15.08	14.52'	15.15	15.11	2.8%	15.52	15.52	0.1%	14.90'	15.51	15.51	16.90'		
13+01.21	16.52'	15.23	15.07	14.52'	15.14	15.10	2.8%	15.51	15.51	0.0%	14.90'	15.51	15.51	16.90'		
13+50.00	16.51'	15.19	15.29	14.51'	14.96	14.90	3.0%	15.42	15.33	2.6%	14.50'	14.86	14.96	16.50'	15.14	15.34
14+00.00	16.49'	14.97	14.67	14.49'	14.78	14.70	3.1%	15.23	15.15	2.7%	14.50'	14.65	14.76	16.50'	14.77	14.73
14+50.00	16.47'	14.65	14.46	14.47'	14.52	14.50	3.2%	15.00	14.97	2.8%	14.49'	14.54	14.56	16.49'	14.69	14.95
15+00.00	16.46'	14.63	14.68	14.46'	14.36	14.30	3.4%	14.77	14.79	2.9%	14.49'	14.47	14.37	16.49'	14.45	14.75
15+50.00	16.44'	14.39	14.47	14.44'	14.14	14.09	3.6%	14.54	14.61	2.5%	15.00'	14.23	14.23			

	11/ (1 011 E		
HATCH DESCRIPTION	HATCH DEPICTION	ASSOCIA ⁻ SECTION/DI	
PROPOSED ASPHALT TYPICAL SECTION		ASPHALT TS1 SECTION C-001	
PROPOSED CONCRETE DRIVEWAY		DRIVEWAY APRON)
PROPOSED CONCRETE REPLACEMENT SECTION		SIDEWALK S-103 C-501)
PROPOSED POSSIBLE REM & REPL SECTION		OR (S)	11B S-112A 501 C-502

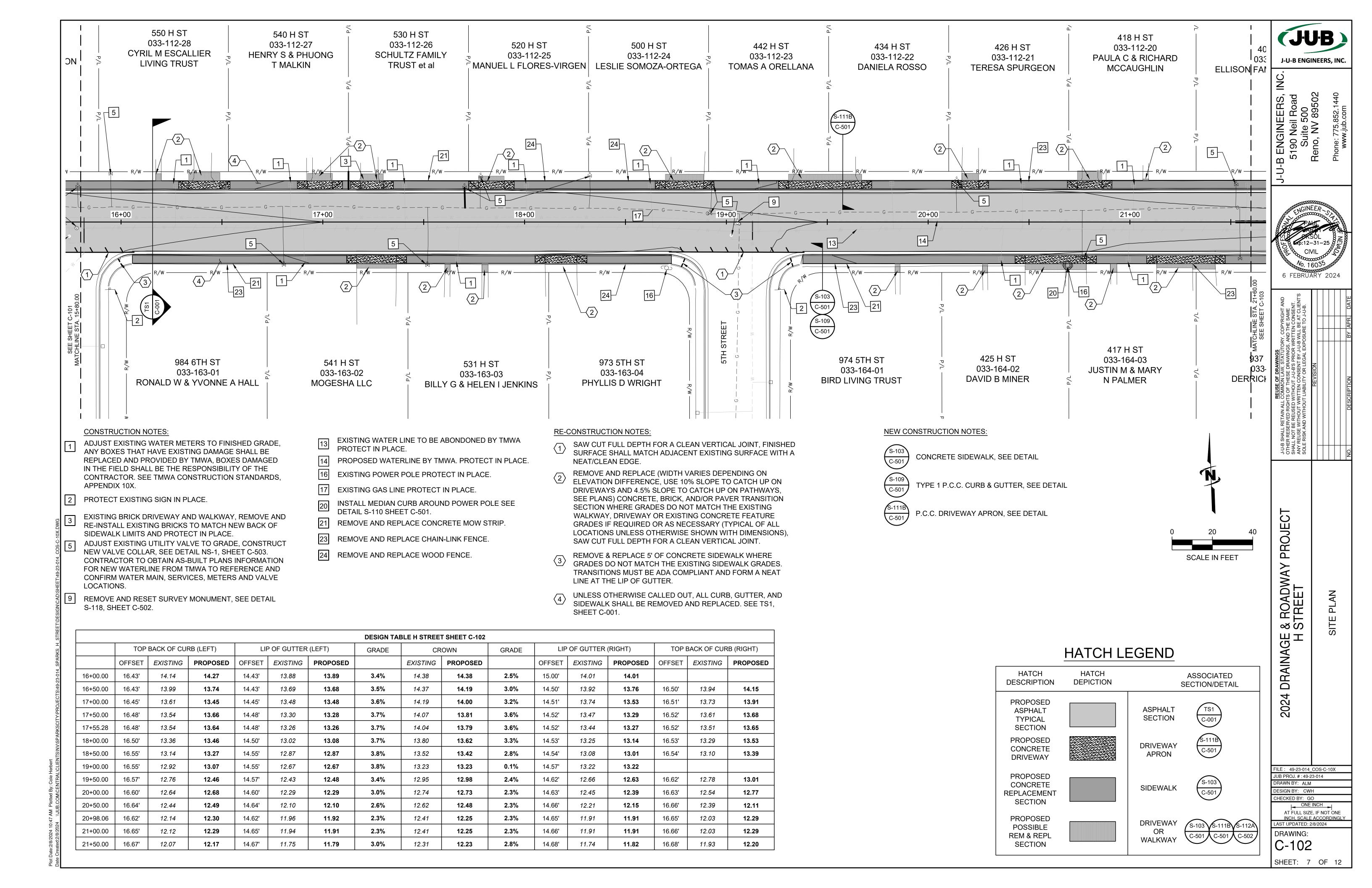
FILE: 49-23-014_COS-C-10X
JUB PROJ. #: 49-23-014
DRAWN BY: ALM
DESIGN BY: CWH
CHECKED BY: GO
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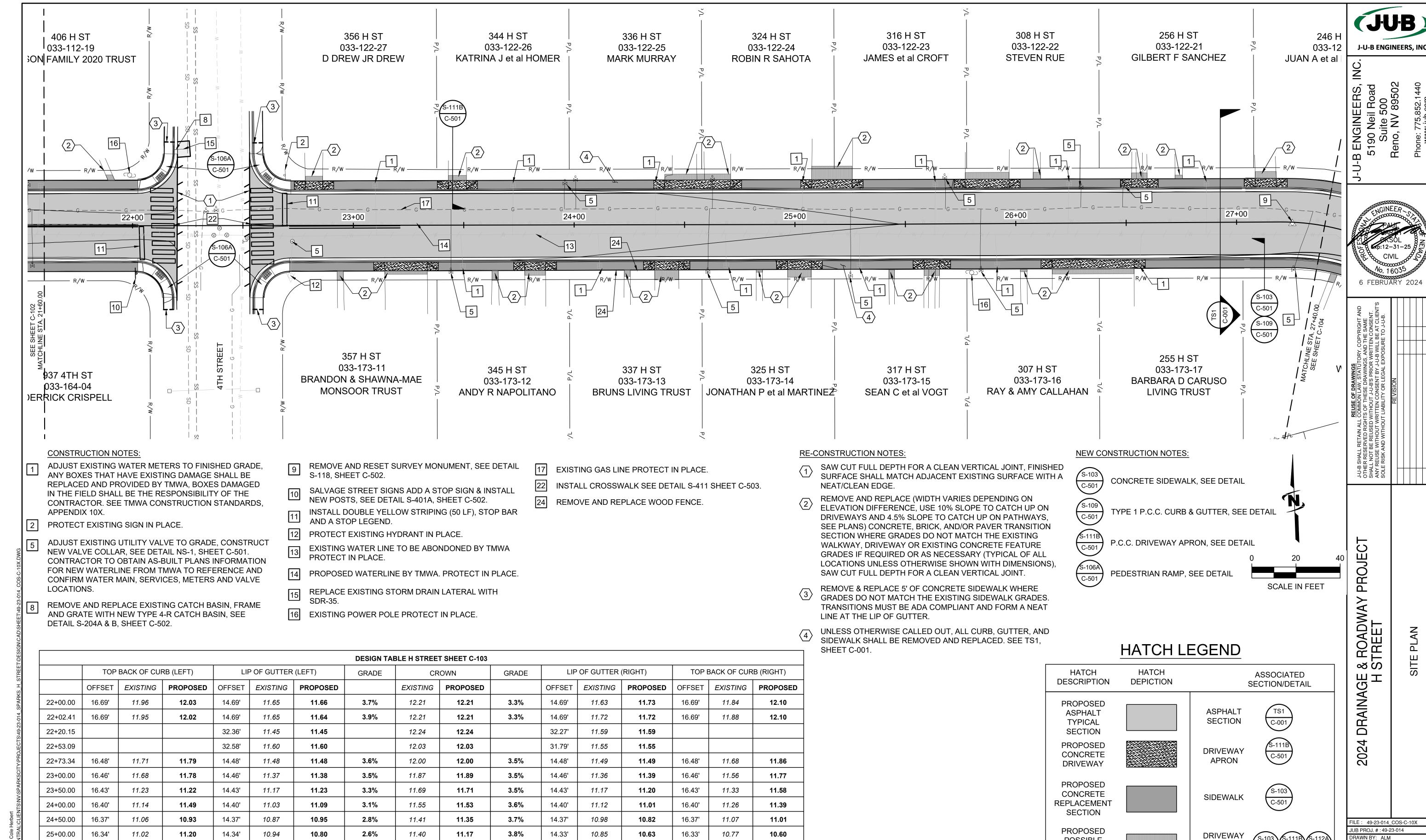
Plot Date:2/8/2024 10:47 AM Plotted Rv. Cole Herbert

C-101
SHEET: 6 OF 12

DRAWING:

LAST UPDATED: 2/8/2024





POSSIBLE

REM & REPL

SECTION

PROPOSED

PERMANENT

PAVEMENT

PATCH SECTION

OR

WALKWAY

ASPHALT

PATCH

ESIGN BY: CWH

CHECKED BY: GO

DRAWING:

C-103

ONE INCH

AT FULL SIZE, IF NOT ONE

SHEET: 8 OF 12

C-501 \bigwedge C-502

S-115

C-501

Plot Date:2/8/2024 10:47 AM Plotted By: Cole Herbert

25+50.00

25+59.82

26+00.00

26+50.00

27+00.00

10.80

10.76

10.68

10.54

10.41

16.30'

16.30'

16.27'

16.24'

16.21'

14.30'

14.30'

14.27'

14.24'

14.21'

11.05

11.02

10.75

10.55

10.67

10.72

10.72

10.70

10.47

10.31

10.66

10.64

10.53

10.41

10.29

2.3%

2.2%

2.2%

2.2%

2.0%

11.24

11.21

11.07

10.93

10.81

10.99

10.96

10.85

10.72

10.58

3.8%

3.8%

3.9%

3.9%

3.8%

14.30'

14.29'

14.27'

14.23'

14.20'

10.72

10.66

10.52

10.35

10.24

10.44

10.41

10.29

10.17

10.04

16.30'

16.29'

16.27'

16.23'

16.20'

10.82

10.60

10.67

10.27

10.30

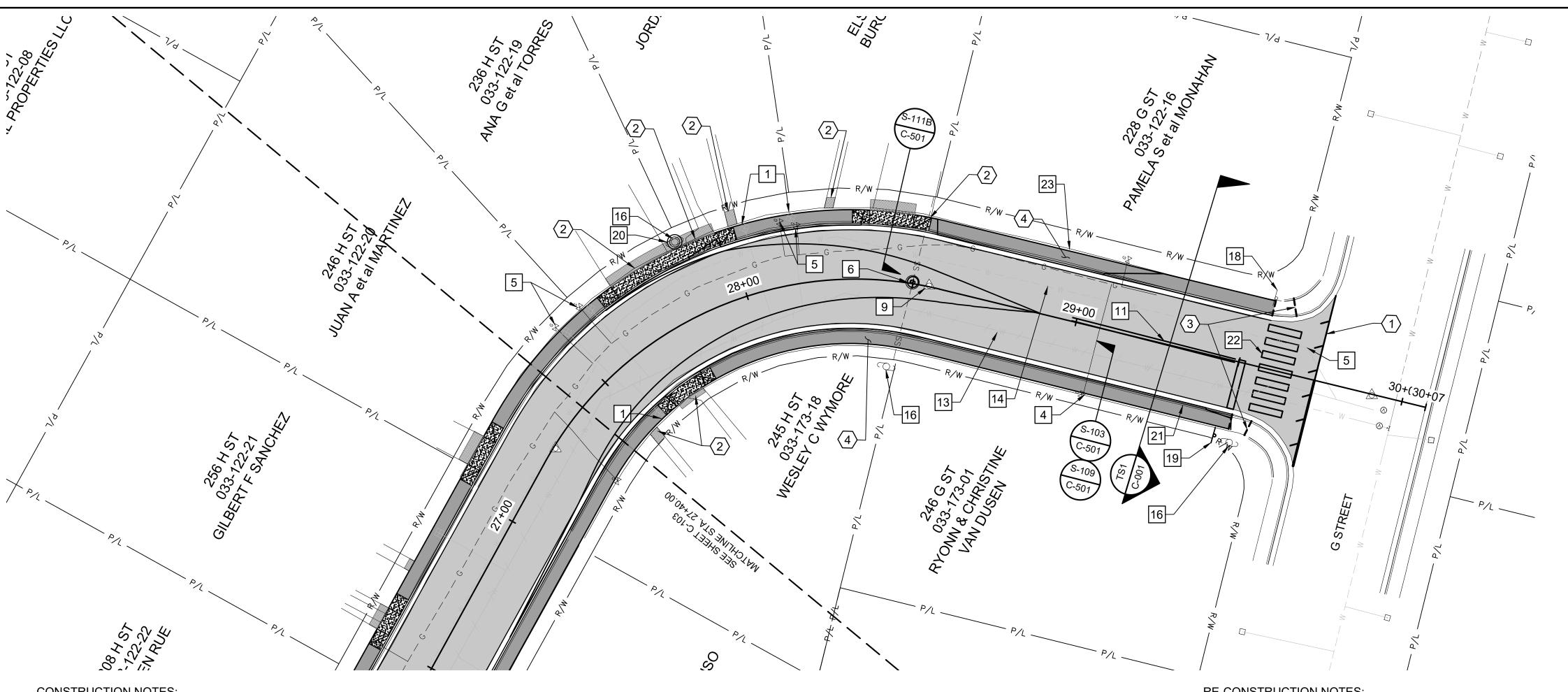
10.83

10.37

10.68

10.13

10.42



CONSTRUCTION NOTES:

- ADJUST EXISTING WATER METERS TO FINISHED GRADE, ANY BOXES THAT HAVE EXISTING DAMAGE SHALL BE REPLACED AND PROVIDED BY TMWA, BOXES DAMAGED IN THE FIELD SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. SEE TMWA CONSTRUCTION STANDARDS APPENDIX 10X.
- AS NEEDED, REMOVE AND RE-INSTALL EXISTING WOOD FENCE TO CONSTRUCT NEW SIDEWALK.
- ADJUST EXISTING UTILITY VALVE TO GRADE, CONSTRUCT NEW VALVE COLLAR, SEE DETAIL NS-1, SHEET C-501. CONTRACTOR TO OBTAIN AS-BUILT PLANS INFORMATION FOR NEW WATERLINE FROM TMWA TO REFERENCE AND CONFIRM WATER MAIN, SERVICES, METERS AND VALVE LOCATIONS.

TOP BACK OF CURB (LEFT)

LIP OF GUTTER (LEFT)

- ADJUST EXISTING MANHOLE RIM TO GRADE, CONSTRUCT NEW P.C.C. COLLAR, SEE DETAIL S-210A, SHEET C-502.
- 9 REMOVE AND RESET SURVEY MONUMENT, SEE DETAIL S-118, SHEET C-502.
- INSTALL DOUBLE YELLOW STRIPING (50 LF), STOP BAR AND A STOP LEGEND.
- EXISTING WATER LINE TO BE ABONDONED BY TMWA PROTECT IN PLACE.
- 14 PROPOSED WATERLINE BY TMWA. PROTECT IN PLACE.

DESIGN TABLE H STREET SHEET C-104

CROWN

GRADE

16 EXISTING POWER POLE PROTECT IN PLACE.

GRADE

- REMOVE AND DISPOSE OF EXISTING SIGN POST AND PANEL.
- FURNISH AND INSTALL NEW STREET AND STOP SIGN PANELS AND SIGN POST WITH BREAKAWAY SLEEVE SEE DETAIL S-401A, SHEET 502.
- INSTALL MEDIAN CURB AROUND POWER POLE SEE DETAIL S-110 SHEET C-501.
- REMOVE AND REPLACE CONCRETE MOW STRIP.
- INSTALL CROSSWALK SEE DETAIL S-411 SHEET C-503.

TOP BACK OF CURB (RIGHT)

PROPOSED

10.30

10.22

10.19

10.13

10.06

10.06

9.99

REMOVE AND REPLACE CHAIN-LINK FENCE.

LIP OF GUTTER (RIGHT)

RE-CONSTRUCTION NOTES:

- SAW CUT FULL DEPTH FOR A CLEAN VERTICAL JOINT, FINISHED SURFACE SHALL MATCH ADJACENT EXISTING SURFACE WITH A NEAT/CLEAN EDGE
- REMOVE AND REPLACE (WIDTH VARIES DEPENDING ON ELEVATION DIFFERENCE, USE 10% SLOPE TO CATCH UP ON DRIVEWAYS AND 4.5% SLOPE TO CATCH UP ON PATHWAYS, SEE PLANS) CONCRETE, BRICK, AND/OR PAVER TRANSITION SECTION WHERE GRADES DO NOT MATCH THE EXISTING WALKWAY, DRIVEWAY OR EXISTING CONCRETE FEATURE GRADES IF REQUIRED OR AS NECESSARY (TYPICAL OF ALL LOCATIONS UNLESS OTHERWISE SHOWN WITH DIMENSIONS), SAW CUT FULL DEPTH FOR A CLEAN VERTICAL JOINT
- REMOVE & REPLACE 5' OF CONCRETE SIDEWALK WHERE GRADES DO NOT MATCH THE EXISTING SIDEWALK GRADES. TRANSITIONS MUST BE ADA COMPLIANT AND FORM A NEAT LINE AT THE LIP OF GUTTER.
- UNLESS OTHERWISE CALLED OUT, ALL CURB, GUTTER, AND SIDEWALK SHALL BE REMOVED AND REPLACED. SEE TS1, SHEET C-001.

NEW CONSTRUCTION NOTES:



CONCRETE SIDEWALK, SEE DETAIL

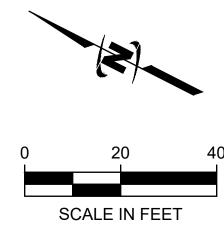


TYPE 1 P.C.C. CURB & GUTTER, SEE DETAIL



P.C.C. DRIVEWAY APRON, SEE DETAIL

	HAICHL	<u> </u>	
HATCH DESCRIPTION	HATCH DEPICTION		ASSOCIATED SECTION/DETAIL
PROPOSED ASPHALT TYPICAL SECTION		ASPHALT SECTION	TS1 C-001
PROPOSED CONCRETE DRIVEWAY		DRIVEWAY APRON	S-111B C-501
PROPOSED CONCRETE REPLACEMENT SECTION		SIDEWALK	S-103 C-501
PROPOSED POSSIBLE REM & REPL SECTION		DRIVEWAY OR WALKWAY	S-103 S-111B S-112A C-501 C-501 C-502



OFFSET | EXISTING OFFSET EXISTING EXISTING OFFSET | EXISTING **PROPOSED PROPOSED** EXISTING | PROPOSED OFFSET **PROPOSED** 27+50.00 16.08' 10.24 14.08' 10.15 10.16 2.1% 3.8% 14.07' 10.08 16.07' 10.14 10.54 10.66 10.45 9.91 27+84.10 15.97' 9.89 13.97' 10.02 10.05 2.1% 10.61 10.34 3.6% 13.97' 9.98 9.84 15.97' 10.13 10.02 9.95 13.95' 13.94' 9.95 28+00.00 15.95' 10.21 10.00 9.99 2.1% 10.54 10.28 3.4% 9.81 15.94' 10.03 13.94' 13.94' 15.94' 9.83 9.77 9.79 9.81 2.3% 10.29 9.85 9.75 15.94' 9.77 28+50.00 2.7% 14.06' 29+00.00 16.06' 9.66 10.02 9.62 9.63 2.3% 10.13 14.06' 9.73 9.68 16.06' 9.78 14.06' 29+01.32 9.65 10.01 9.61 9.63 10.12 1.9% 14.06' 9.72 9.68 16.06' 16.06' 2.3% 9.95 9.78 14.19' 9.42 9.57 16.19' 29+50.00 16.19' 9.58 9.84 9.46 2.5% 9.83 9.82 1.5% 14.19' 9.61 9.63 26.00' 29+73.19 9.29 9.29 9.75 9.75 26.28' 9.29 9.29

(JUB) J-U-B ENGINEERS, INC

PROJ ROADWAY | യ ഗ DRAINAGE H

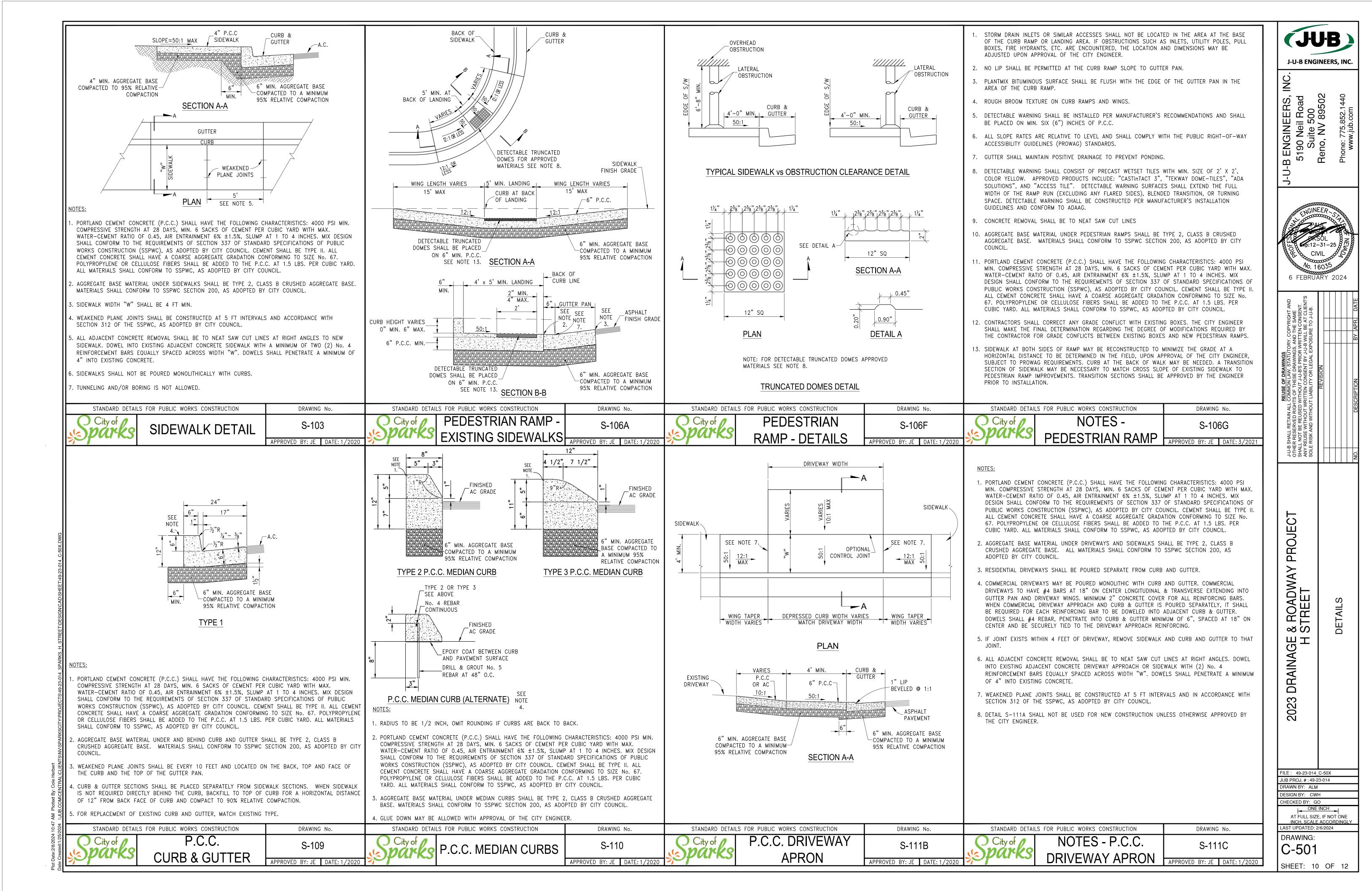
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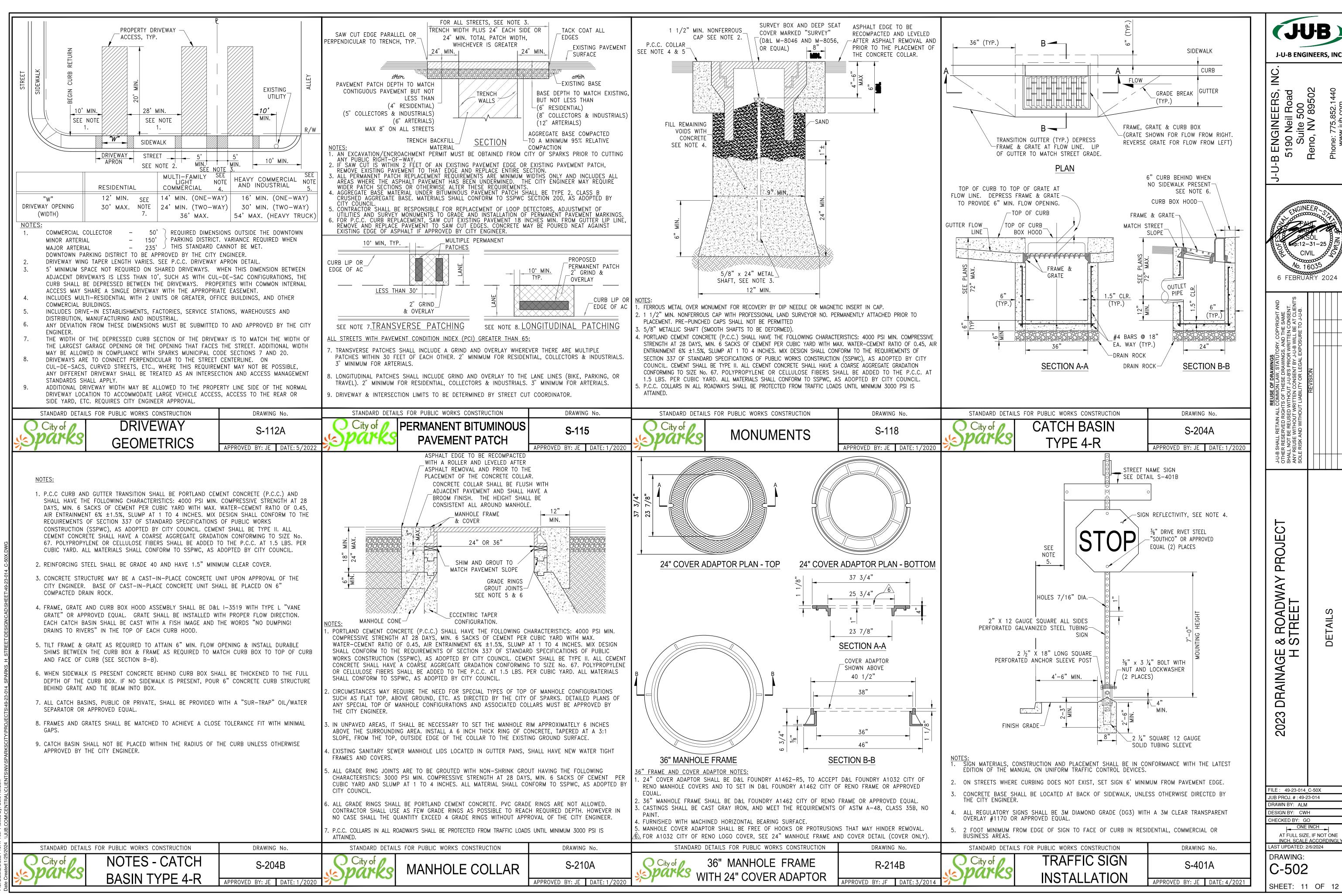
FILE: 49-23-014_COS-C-10X JUB PROJ. # : 49-23-014 DRAWN BY: ALM DESIGN BY: CWH

CHECKED BY: GO AT FULL SIZE, IF NOT ONE LAST UPDATED: 2/8/2024

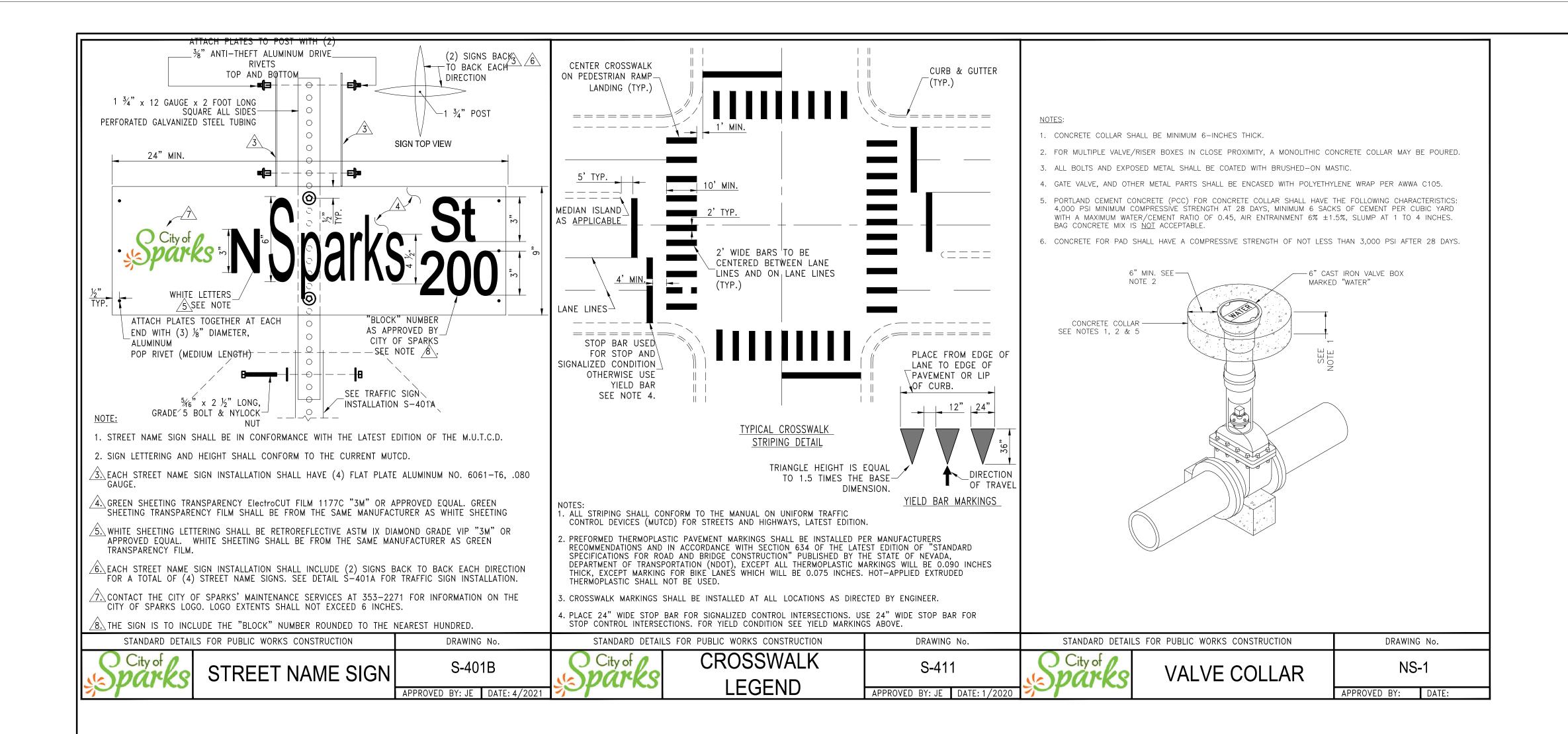
DRAWING: C-104

SHEET: 9 OF 12





AT FULL SIZE, IF NOT ONE



(JUB)

J-U-B ENGINEERS, INC.

B ENGINEERS, IN 5190 Neil Road Suite 500 Reno, NV 89502

CIVIL 60 FEBRUARY 2024

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REVISION
DESCRIPTION BY APR. DATE

2023 DRAINAGE & ROADWAY PROJECT H STREET

FILE: 49-23-014_C-50X JUB PROJ. # : 49-23-014 DRAWN BY: ALM

ONE INCH

AT FULL SIZE, IF NOT ONE
INCH, SCALE ACCORDING

DRAWING:

C-503
SHEET: 12 OF 12