

SOLACE APARTMENTS FILING NO. 2

A PORTION OF SECTION 7, TOWNSHIP 14 SOUTH, RANGE 65 SEST OF THE P.M.

EL PASO COUNTY, COLORADO

CONSTRUCTION DOCUMENTS

GALLEY RD. & PAONIA ST. - TRAFFIC SIGNAL PLANS

PCD NO: CDR-23-11

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VICINITY MAP
1" = 500'

CONTACTS

OWNER:
CS POWERS & GALLEY LLC
510 S NEIL ST
CHAMPAIGN, IL 61820
PHONE: (719) 216-2577
CONTACT: DANE OLMSTEAD

SURVEYOR:
JR ENGINEERING, LLC
5475 TECH CENTER DRIVE STE 235
COLORADO SPRINGS, CO 80919
TEL: 719-593-2593
CONTACT: DANIEL CLARK, P.E.

CIVIL ENGINEER:
KIMLEY-HORN AND ASSOCIATES
2 N. NEVADA AVENUE SUITE 300
COLORADO SPRINGS, CO 80903
CONTACT: KEVIN KOFFORD
PHONE: (719) 453-0181

EL PASO COUNTY:
EL PASO COUNTY
PCD DEPARTMENT
2880 INTERNATIONAL CIRCLE, SUITE 110
COLORADO SPRINGS, CO 80910
PHONE: (719) 520-6300

DEVELOPER'S SIGNATURE BLOCK

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

Dane Olmstead

6/26/2023

DANE OLMSTEAD

DATE

ENGINEER'S SIGNATURE BLOCK

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH THE APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THE DETAILED PLANS AND SPECIFICATIONS



Kevin Kofford

6/26/2023

KEVIN KOFFORD, PE - KIMLEY-HORN AND ASSOCIATES, INC.

DATE

EL PASO COUNTY REVIEW STATEMENT

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN DIMENSIONS AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL, AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JOSHUA PALMER, P.E.
COUNTY ENGINEER / ECM ADMINISTRATOR

DATE

GENERAL NOTE:

THE PARTIES RESPONSIBLE FOR THIS PLAN HAVE FAMILIARIZED THEMSELVES WITH ALL CURRENT ACCESSIBILITY CRITERIA AND SPECIFICATIONS AND THE PROPOSED PLAN REFLECTS ALL THE SITE ELEMENTS REQUIRED BY THE APPLICABLE ADA DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY THE UNITED STATES DEPARTMENT OF JUST. APPROVAL OF THIS PLAN BY EL PASO COUNTY DOES NOT ASSURE COMPLIANCE WITH THE ADA OR ANY REGULATIONS OR GUIDELINES ENACTED OR PROMULGATED UNDER OR WITH RESPECT TO SUCH LAWS.

BENCHMARK

FIMS MONUMENT F81, BEING MONUMENTED BY A 3-1/4" ALUMINUM CAP IN RANGE BOX WITH NO TOP, LOCATED 900 FEET EAST OF THE INTERSECTION OF E. PLATTE AVENUE AND VALLEY STREET, APPROXIMATELY 80 FEET NORTH OF THE CENTERLINE OF E. PLATTE AVENUE. SAID MONUMENT HAVING A PUBLISHED ELEVATION OF 6275.86 FEET, NAVD88

NO.	REVISION	BY	DATE	APPR

Kimley»Horn
2023 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue, Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: KRK
DRAWN BY: RES
CHECKED BY: EJJ
DATE: 06/26/2023

SOLACE APARTMENTS FILING NO. 2
CONSTRUCTION DOCUMENTS
GALLEY RD & PAONIA ST - TRAFFIC SIGNAL PLANS
COVER SHEET



PROJECT NO.
096668009

SHEET

1



K:\COS_LA\196140002 - Cimarron Hills\Phase 2\CADD\PlanSheets\SIG\196140002 - SIG_NOTES.dwg Schmelbach, Ryan 6/26/2023 2:35 PM

PLAN NUMBER	M STANDARD TITLE	PAGE NUMBER
<input type="checkbox"/> M-100-1	STANDARD SYMBOLS (3 SHEETS)	1-3
<input type="checkbox"/> M-100-2	ACRONYMS AND ABBREVIATIONS (4 SHEETS)	4-7
<input type="checkbox"/> M-203-1	APPROACH ROADS	8
<input type="checkbox"/> M-203-2	DITCH TYPES	9
<input type="checkbox"/> M-203-11	SUPERELEVATION CROWNED AND DIVIDED HIGHWAYS (3 SHEETS)	10-12
<input type="checkbox"/> M-203-12	SUPERELEVATION STREETS (2 SHEETS)	13-14
<input type="checkbox"/> M-206-1	EXCAVATION AND BACKFILL FOR STRUCTURES (2 SHEETS)	15-16
<input type="checkbox"/> M-206-2	EXCAVATION AND BACKFILL FOR BRIDGES (2 SHEETS)	17-18
<input type="checkbox"/> M-208-1	TEMPORARY EROSION CONTROL (11 SHEETS)	19-29
<input type="checkbox"/> M-210-1	MAILBOX SUPPORTS (2 SHEETS)	30-31
<input type="checkbox"/> M-214-1	NURSERY STOCK DETAILS	32
<input type="checkbox"/> M-216-1	SOIL RETENTION COVERING (2 SHEETS)	33-34
<input type="checkbox"/> M-412-1	CONCRETE PAVEMENT JOINTS (9 SHEETS)	35-39
<input type="checkbox"/> M-412-2	CONCRETE PAVEMENT CRACK REPAIR (6 SHEETS)	40
<input type="checkbox"/> M-510-1	STRUCTURAL PLATE PIPE H-20 LOADING	41-42
<input type="checkbox"/> M-601-1	SINGLE CONCRETE BOX CULVERT (CAST-IN-PLACE) (2 SHEETS)	43-44
<input type="checkbox"/> M-601-2	DOUBLE CONCRETE BOX CULVERT (CAST-IN-PLACE) (2 SHEETS)	45-46
<input type="checkbox"/> M-601-3	TRIPLE CONCRETE BOX CULVERT (CAST-IN-PLACE) (2 SHEETS)	47
<input type="checkbox"/> M-601-10	HEADWALL FOR PIPES	48
<input type="checkbox"/> M-601-11	TYPE "S" SADDLE HEADWALLS FOR PIPE	49
<input type="checkbox"/> M-601-12	HEADWALLS AND PIPE OUTLET PAVING	50-51
<input type="checkbox"/> M-601-20	WINGWALLS FOR PIPE OR BOX CULVERTS (2 SHEETS)	52-55
<input type="checkbox"/> M-603-1	METAL PIPE (4 SHEETS)	56
<input type="checkbox"/> M-603-2	REINFORCED CONCRETE PIPE	57
<input type="checkbox"/> M-603-3	PRECAST CONCRETE BOX CULVERT	58
<input type="checkbox"/> M-603-4	CORRUGATED POLYETHYLENE PIPE (AASHTO M294) AND CORRUGATED POLYPROPYLENE PIPE (AASHTO M330) (2 sheets)	59
<input type="checkbox"/> M-603-5	POLYVINYL CHLORIDE (PVC) PIPE (AASHTO M304)	60
<input type="checkbox"/> M-603-6	STEEL REINFORCED POLYETHYLENE RIBBED PIPE (AASHTO MP 20)	61
<input type="checkbox"/> M-603-10	CONCRETE AND METAL END SECTIONS	62-64
<input type="checkbox"/> M-603-12	TRAVERSABLE END SECTIONS AND SAFETY GRATES (3 SHEETS)	65
<input type="checkbox"/> M-604-10	INLET, TYPE C	66
<input type="checkbox"/> M-604-11	INLET, TYPE D	67-68
<input type="checkbox"/> M-604-12	CURB INLET TYPE R (2 SHEETS)	69
<input type="checkbox"/> M-604-13	CONCRETE INLET TYPE 13	70-72
<input type="checkbox"/> M-604-20	MANHOLES (3 SHEETS)	73-77
<input type="checkbox"/> M-604-25	VANE GRATE INLET (5 SHEETS)	78
<input type="checkbox"/> M-605-1	SUBSURFACE DRAINS	

PLAN NUMBER	M STANDARD TITLE	PAGE NUMBER
<input type="checkbox"/> M-606-1	MIDWEST GUARDRAIL SYSTEM TYPE 3 W-BEAM 31 INCHES (19 SHEETS)	79-97
<input type="checkbox"/> M-606-13	GUARDRAIL TYPE 7 F-SHAPE BARRIER (4 SHEETS)	98-101
<input type="checkbox"/> M-606-14	PRECAST TYPE 7 CONCRETE BARRIER (4 SHEETS)	102-104
<input type="checkbox"/> M-606-15	GUARDRAIL TYPE 9 SINGLE SLOPE BARRIER (11 SHEETS)	105-115
<input type="checkbox"/> M-607-1	WIRE FENCES AND GATES (3 SHEETS)	116-118
<input type="checkbox"/> M-607-2	CHAIN LINK FENCE (3 SHEETS)	119-121
<input type="checkbox"/> M-607-3	BARRIER FENCE	122
<input type="checkbox"/> M-607-4	DEER FENCE, GATES, AND GAME RAMPS (7 SHEETS)	123-127
<input type="checkbox"/> M-607-10	PICKET SNOW FENCE	128
<input type="checkbox"/> M-607-15	ROAD CLOSURE GATE (9 SHEETS)	129-137
<input type="checkbox"/> M-608-1	CURB RAMPS (10 SHEETS)	138-147
<input type="checkbox"/> M-609-1	CURBS, GUTTERS, AND SIDEWALKS (4 SHEETS)	148-151
<input type="checkbox"/> M-611-1	CATTLE GUARD (2 SHEETS)	152-153
<input type="checkbox"/> M-611-2	DEER GUARD (2 SHEETS)	154-155
<input type="checkbox"/> M-614-1	RUMBLE STRIPS (3 SHEETS)	156-158
<input type="checkbox"/> M-614-2	SAND BARREL ARRAYS (2 SHEETS)	159-160
<input type="checkbox"/> M-615-1	EMBANKMENT PROTECTOR TYPE 3	161
<input type="checkbox"/> M-615-2	EMBANKMENT PROTECTOR TYPE 5	162
<input type="checkbox"/> M-616-1	INVERTED SIPHON	163
<input type="checkbox"/> M-620-1	FIELD LABORATORY CLASS 1	164
<input type="checkbox"/> M-620-2	FIELD LABORATORY CLASS 2 (2 SHEETS)	165-166
<input type="checkbox"/> M-620-11	FIELD OFFICE CLASS 1	167
<input type="checkbox"/> M-620-12	FIELD OFFICE CLASS 2	168
<input type="checkbox"/> M-629-1	SURVEY MONUMENTS (2 SHEETS)	169-170

PLAN NUMBER	S STANDARD TITLE	PAGE NUMBER
<input type="checkbox"/> S-612-1	DELINEATOR INSTALLATIONS (8 SHEETS)	171-178
<input type="checkbox"/> S-613-1	ROADWAY LIGHTING (6 SHEETS)	179-186
<input type="checkbox"/> S-613-2	ALTERNATIVE ROADWAY LIGHTING (4 SHEETS)	187-188
<input type="checkbox"/> S-614-1	GROUND SIGN PLACEMENT (2 SHEETS)	189
<input checked="" type="checkbox"/> S-614-2	CLASS I SIGNS	190
<input type="checkbox"/> S-614-3	CLASS II SIGNS	191-193
<input type="checkbox"/> S-614-4	CLASS III SIGNS (3 SHEETS)	194-195
<input type="checkbox"/> S-614-5	BREAK-AWAY SIGN SUPPORT DETAILS FOR CLASS III SIGNS (2 SHEETS)	196-197
<input type="checkbox"/> S-614-6	CONCRETE FOOTINGS AND SIGN ISLANDS FOR CLASS III SIGNS (2 SHEETS)	198-204
<input type="checkbox"/> S-614-8	TUBULAR STEEL SIGN SUPPORT DETAILS (7 SHEETS)	205-206
<input type="checkbox"/> S-614-9	PEDESTRIAN PUSH BUTTON POST ASSEMBLY (2 SHEETS)	207
<input type="checkbox"/> S-614-10	MARKER ASSEMBLY INSTALLATIONS	208
<input type="checkbox"/> S-614-11	MILEPOST SIGN DETAIL FOR HIGH SNOW AREAS	209-210
<input type="checkbox"/> S-614-12	STRUCTURE NUMBER INSTALLATION (2 SHEETS)	211-214
<input type="checkbox"/> S-614-14	FLASHING BEACON AND SIGN INSTALLATIONS (4 SHEETS)	215
<input type="checkbox"/> S-614-20	TYPICAL POLE MOUNT SIGN INSTALLATIONS	216-217
<input type="checkbox"/> S-614-21	CONCRETE BARRIER SIGN POST INSTALLATIONS (2 SHEETS)	218
<input type="checkbox"/> S-614-22	TYPICAL MULTI-SIGN INSTALLATIONS	219-223
<input type="checkbox"/> S-614-40	TYPICAL TRAFFIC SIGNAL 30'-75' DOUBLE MAST ARMS 65'-75' SINGLE MAST ARMS (5 SHEETS)	224-227
<input checked="" type="checkbox"/> S-614-40A	ALTERNATIVE TRAFFIC SIGNAL 25'-55' SINGLE MAST ARMS (4 SHEETS)	228-240
<input type="checkbox"/> S-614-41	TEMPORARY SPAN WIRE SIGNALS (13 SHEETS)	241-244
<input checked="" type="checkbox"/> S-614-42	CABINET FOUNDATION DETAIL (4 SHEETS)	245-252
<input checked="" type="checkbox"/> S-614-43	TRAFFIC LOOP AND MISCELLANEOUS SIGNAL DETAILS (8 SHEETS)	253-254
<input checked="" type="checkbox"/> S-614-44	PEDESTAL POLE SIGNALS (2 SHEETS)	255-266
<input checked="" type="checkbox"/> S-614-45	PEDESTRIAN PUSH BUTTON POST ASSEMBLY DETAILS (6 SHEETS)	267-280
<input type="checkbox"/> S-614-50	STATIC SIGN MONOTUBE STRUCTURES (12 SHEETS)	281-289
<input type="checkbox"/> S-614-60	DYNAMIC SIGN MONOTUBE STRUCTURES (14 SHEETS)	290-313
<input type="checkbox"/> S-627-1	PAVEMENT MARKINGS (9 SHEETS)	314
<input type="checkbox"/> S-630-1	TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION (26 SHEETS)	315
<input type="checkbox"/> S-630-2	BARRICADES, DRUMS, CONCRETE BARRIERS (TEMP.) AND VERTICAL PANELS	316-317
<input type="checkbox"/> S-630-3	FLASHING BEACON (PORTABLE) DETAILS	318-319
<input type="checkbox"/> S-630-4	STEEL SIGN SUPPORT (TEMPORARY) INSTALLATION DETAILS (2 SHEETS)	320
<input type="checkbox"/> S-630-5	PORTABLE RUMBLE STRIPS (TEMPORARY) (2 SHEETS)	321-323
<input type="checkbox"/> S-630-6	EMERGENCY PULL-OFF AREA (TEMPORARY)	
<input type="checkbox"/> S-630-7	ROLLING ROADBLOCKS FOR TRAFFIC CONTROL (3 SHEETS)	

COLORADO
DEPARTMENT OF TRANSPORTATION
M&S STANDARDS PLANS LIST
 July 31, 2019
 Revised on February 17, 2023

ALL OF THE M&S STANDARD PLANS, AS SUPPLEMENTED AND REVISED, APPLY TO THIS PROJECT WHEN USED BY DESIGNATED PAY ITEM OR SUBSIDIARY ITEM.

THE M&S STANDARD PLANS USED TO DESIGN THIS PROJECT ARE INDICATED BY A MARKED BOX AND WILL BE ATTACHED TO THE PLANS. ALL OTHER M&S STANDARD PLANS ARE STILL ELIGIBLE FOR USE IN CONSTRUCTION IF APPROVED BY AN APPROPRIATE CDOT ENGINEER.

Computer File Information	
Creation Date: 07/31/19	
Designer Initials: JBK	
Last Modification Date: 02/17/23	
Detailer Initials: LTA	
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	

Sheet Revisions	
Date:	Comments
<input type="checkbox"/>	

Colorado Department of Transportation
 2829 West Howard Place
 CDOT HQ, 3rd Floor
 Denver, CO 80204
 Phone: 303-757-9021 FAX: 303-757-9868
 Construction Engineering Services JBK

STANDARD PLANS LIST
 Issued by the Project Development Branch: July 31, 2019

STANDARD PLAN NO.
STANDARDS PLANS LIST
 Standard Sheet No. 1 of 1
 Project Sheet Number:

NO.	REVISION	BY	DATE	APPR

Kimley»Horn
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 2 North Nevada Avenue, Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: KRK
 DRAWN BY: RES
 CHECKED BY: EUG
 DATE: 06/26/2023

SOLACE APARTMENTS FILING NO. 2
 CONSTRUCTION DOCUMENTS
 GALLEY RD & PAONIA ST - TRAFFIC SIGNAL PLANS
 CDOT M&S STANDARD DRAWINGS LIST



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CDOT CONTRACT ITEM NO.	CONTRACT ITEM	UNIT											PROJECT TOTALS		NOTES	
			PLAN	AS CONST.	PLAN	AS CONST.										
202-00250	REMOVAL OF PAVEMENT MARKING	SF	12											12		
203-01597	POTHOLING	EA	6											6		
503-00018	DRILLED CAISSON (18-INCH)	LF	15											15		
503-00036	DRILLED CAISSON (36-INCH)	LF	74											74		
613-00200	2 INCH ELECTRICAL CONDUIT	LF	107											107		
613-00206	2 INCH ELECTRICAL CONDUIT (BORED)	LF	442											442		
613-00300	3 INCH ELECTRICAL CONDUIT	LF	31											31		
613-00306	3 INCH ELECTRICAL CONDUIT (BORED)	LF	663											663		
613-07004	CDOT TYPE 4 PULL BOX	EA	3											3		
613-07005	CDOT TYPE 5 PULL BOX	EA	1											1		
613-10000	WIRING	LS	1											1		
613-13000	LUMINAIRE (LED)	EA	3											3		
613-50109	METER POWER PEDESTAL	SF	1											1		12" WIDE CP3A SIZE 12" WIDE SLIMLINE PEDESTAL
614-00011	SIGN PANEL (CLASS I)	SF	68											68		
614-00037	SIGN PANEL (SPECIAL)	EA	4											4		OVERHEAD STREET NAME SIGN (2'X8.5')
614-70150	PEDESTRIAN SIGNAL FACE (16) (COUNTDOWN)	EA	6											6		
614-70336	TRAFFIC SIGNAL FACE (12-12-12)	EA	10											10		W/ BACKPLATES & 1.5" REFLECTIVE TAPE
614-70448	TRAFFIC SIGNAL FACE (12-12-12-12 ARROW)	EA	8											8		W/ BACKPLATES & 1.5" REFLECTIVE TAPE
614-72836	CONFLICT MONITOR	EA	1											1		MODEL 2010 ECLIP W/ ETHERNET PORT (EDI)
*614-72855	TRAFFIC SIGNAL CONTROLLER CABINET	EA	1											1		MCCAIN 350i A TC
614-72860	PEDESTRIAN PUSH BUTTON	EA	6											6		WITH INSTRUCTION SIGN
614-72895	MICROWAVE VEHICLE DETECTION SYSTEM	EA	4											4		SEBCO INTERSECTOR-SBE W/ INTERFACE BOARD
614-81130	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-30 FOOT MAST ARM)	EA	1											1		PELCO TRAFFIC SIGNAL POLE
614-81135	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-35 FOOT MAST ARM)	EA	1											1		PELCO TRAFFIC SIGNAL POLE
614-81140	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-40 FOOT MAST ARM)	EA	1											1		PELCO TRAFFIC SIGNAL POLE
614-81150	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-50 FOOT MAST ARM)	EA	1											1		PELCO TRAFFIC SIGNAL POLE
614-84100	TRAFFIC SIGNAL PEDESTAL POLE ALUMINUM	EA	3											3		5' PED POLE x2 ; 10' PED POLE x1
614-86238	TRAFFIC SIGNAL CONTROLLER	EA	1											1		FLEX, RACK MOUNT, C1 CONN., W/ OMNI SOFTWARE
623-04002	POWER SOURCE WIRE	LF	93											93		CAT5E OUTDOOR CABLE, CMXT 350MHz
625-00000	CONSTRUCTION SURVEYING	LS	1											1		
626-00000	MOBILIZATION	LS	1											1		
627-00002	THERMOPLASTIC PAVEMENT MARKING	SF	310											310		
630-00016	TRAFFIC CONTROL (SPECIAL) LS	LS	1											1		

NO.	REVISION	BY	DATE	APPR

Kimley»Horn
 2023 KIMLEY-HORN AND ASSOCIATES, INC.
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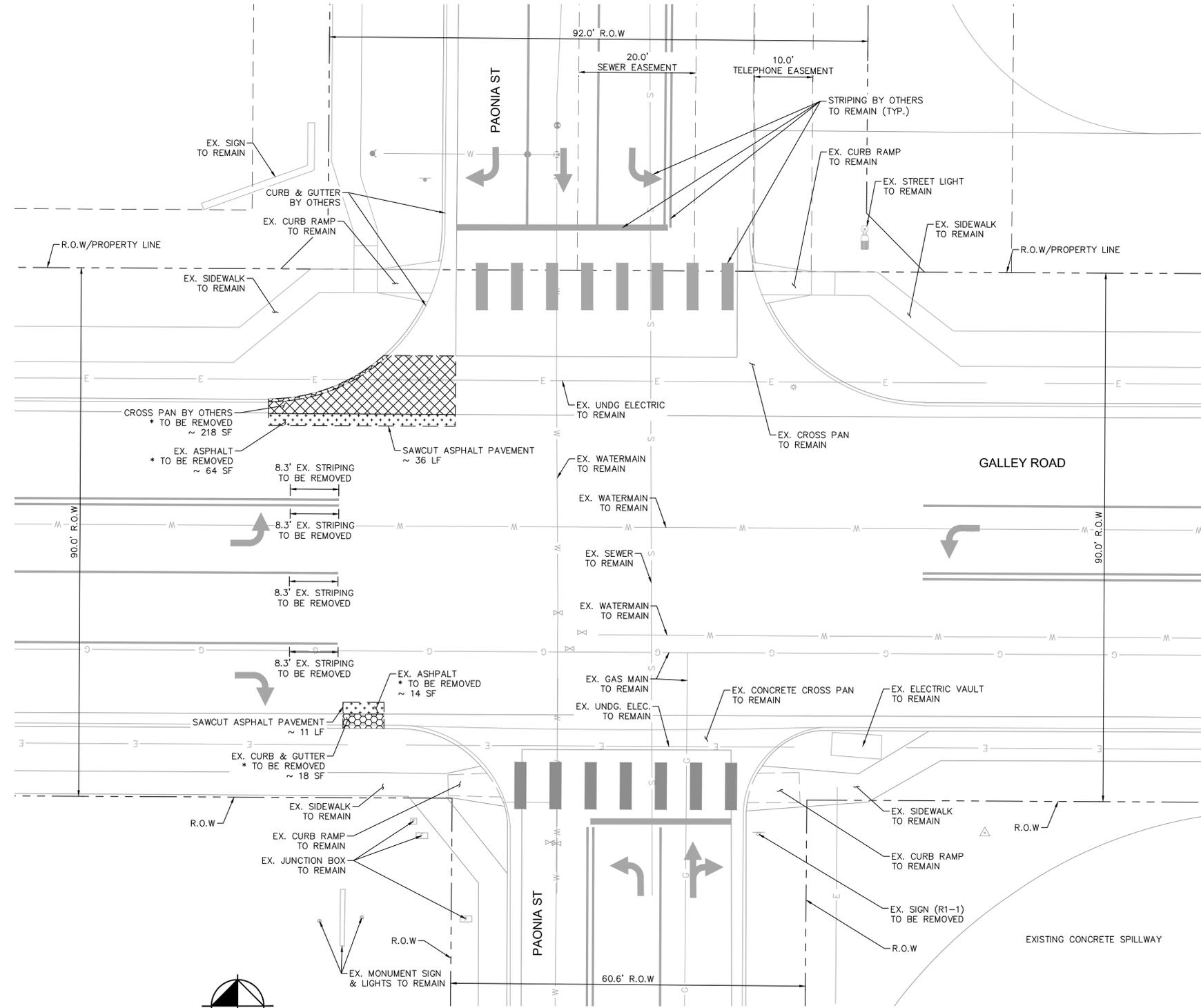
DESIGNED BY: KRK
 DRAWN BY: RES
 CHECKED BY: EJJ
 DATE: 06/26/2023

SOLACE APARTMENTS FILING NO. 2
 CONSTRUCTION DOCUMENTS
 GALLEY RD & PAONIA ST - TRAFFIC SIGNAL PLANS
 SUMMARY OF QUANTITIES



PROJECT NO.
09668009
 SHEET
5

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UTILITY LEGEND

- G — EXISTING UNDERGROUND NATURAL GAS
- E — EXISTING UNDERGROUND ELECTRIC
- S — EXISTING SANITARY SEWER
- W — EXISTING WATER MAIN

REMOVAL LEGEND

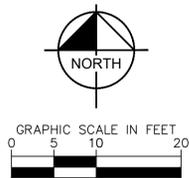
- REMOVE EX. CONCRETE CROSS PAN
- REMOVE EXISTING CURB & GUTTER
- REMOVE EXISTING ASPHALT
- SAWCUT

*** REMOVAL NOTES**

1. REMOVAL QUANTITIES MAY VARY IN THE FIELD.
2. CONTRACTOR TO REMOVE CONCRETE CROSS PAN AND CURB & GUTTER AT THE APPROPRIATE JOINT FOR PROPER INSTALLATION OF PROPOSED INFRASTRUCTURE.
3. CONTRACTOR TO REMOVE CONCRETE CROSS PAN AND CURB & GUTTER AT THE APPROPRIATE JOINT TO MINIMIZE REMOVAL/DISTURBANCE OF EXISTING INFRASTRUCTURE.



Know what's below.
Call before you dig.



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Kimley»Horn
 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue, Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

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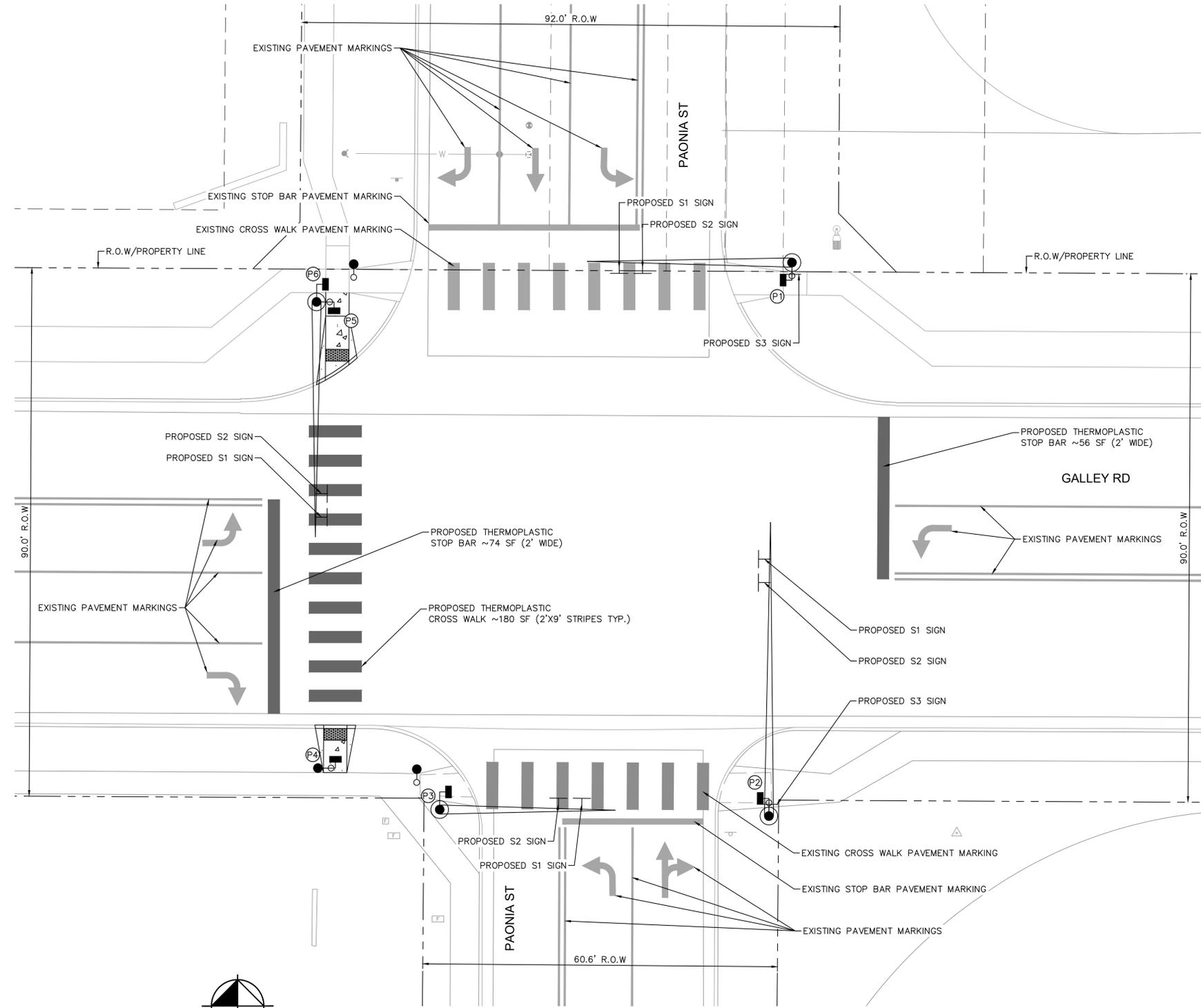
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GALLEY RD & PAONIA ST - TRAFFIC SIGNAL PLANS
 EXISTING CONDITIONS & DEMOLITION PLAN



PROJECT NO.
096668009

SHEET
6

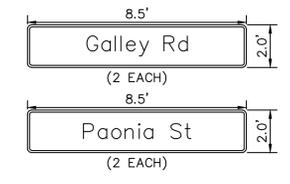
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PAVEMENT MARKING LEGEND



SIGNAGE LEGEND



(STREET NAME SPECS PER EL PASO COUNTY)
 NOTE:
 1. STREET NAME SIGNS TO BE PER EL PASO COUNTY STANDARD DETAIL. SEE SHEET 11.

PEDESTRIAN SIGNAL FACE

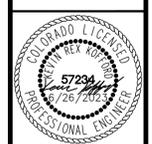


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GALLEY RD & PAONIA ST - TRAFFIC SIGNAL PLANS
SIGNAGE AND STRIPING PLAN

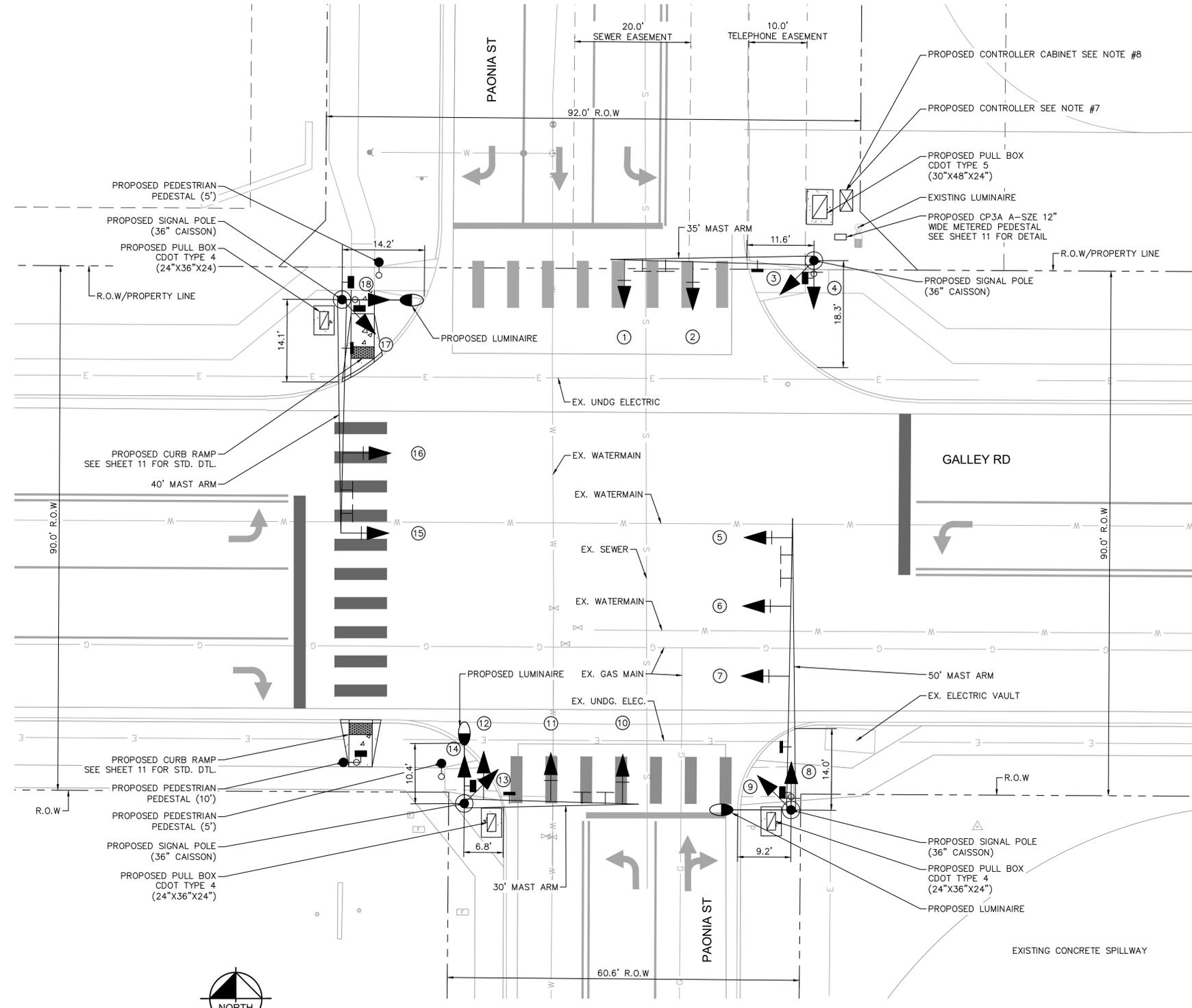


PROJECT NO.
096668009

SHEET
7



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NOTES:

1. MAST ARMS, CAISSON DIAMETER, AND CAISSON DEPTHS WERE DETERMINED PER CDOT STANDARD DETAIL S-614-40A
2. PEDESTRIAN PUSH BUTTON ASSEMBLIES ARE TO BE CONSTRUCTED PER CDOT STANDARD S-614-09
3. ALL PEDESTALS AND PUSH BUTTONS SHALL BE LOCATED IN THE CLEAR SPACE PER S-614-45
4. PULL BOXES SHALL BE PLACED PER CDOT STANDARD DETAIL S-614-43
5. TOP OF CAISSON SHALL BE FLUSH WITH SIDEWALK IF DIRECTLY ADJACENT TO SIDEWALK OR A MINIMUM OF 2" ABOVE THE LANDSCAPING
6. SEE SHEET 10 FOR PUSH BUTTON PROXIMITY DETAIL
7. PROPOSED CONTROLLER TO BE A MCCAIN 2070 FLEX ATC CONTROLLER W/ RACK MOUNT, C1 CONNECTOR, AND OMNI SOFTWARE
8. PROPOSED CONTROLLER CABINET SHALL BE A MCCAIN 350i ATC W/ BATTERY BACKUP AND AUXILIARY RACK.

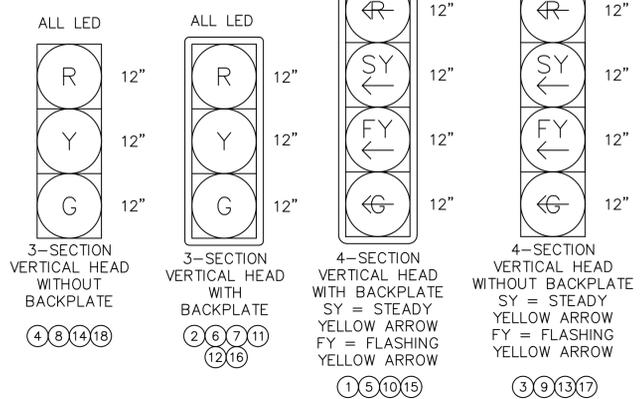
TRAFFIC SIGNAL LEGEND

- ☒ CONTROLLER
- ☑ PULL BOX (CDOT TYPE 4 & TYPE 5)
- ➔ SIGNAL HEAD (LED)
- POWER METER PEDESTAL
- ⌋ PEDESTRIAN HEAD WITH COUNTDOWN
- PEDESTRIAN PUSH BUTTON
- ⌋ MICROWAVE VEHICLE PRESENCE SENSOR
- ⌋ OVERHEAD MOUNTED SIGN
- ⦿ MAST ARM & SIGNAL POLE
- PEDESTAL/PUSHBUTTON POLE
- LUMINAIRE (LED)
- CONDUIT

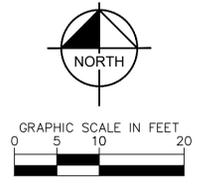
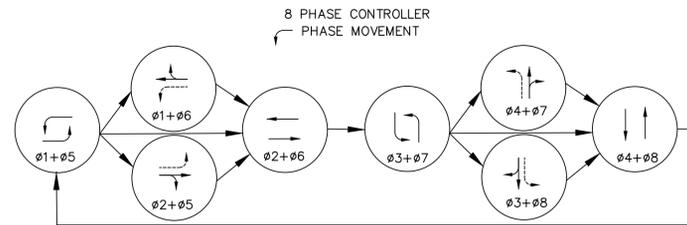
UTILITY LEGEND

- G — EXISTING UNDERGROUND NATURAL GAS
- E — EXISTING UNDERGROUND ELECTRIC
- S — EXISTING SANITARY SEWER
- W — EXISTING WATER MAIN

TRAFFIC SIGNAL FACE LEGEND



PHASING DIAGRAM

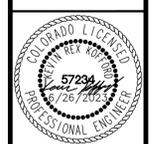


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Kimley»Horn
 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 2 North Nevada Avenue, Suite 900
 Colorado Springs, Colorado 80903 (719) 453-0180

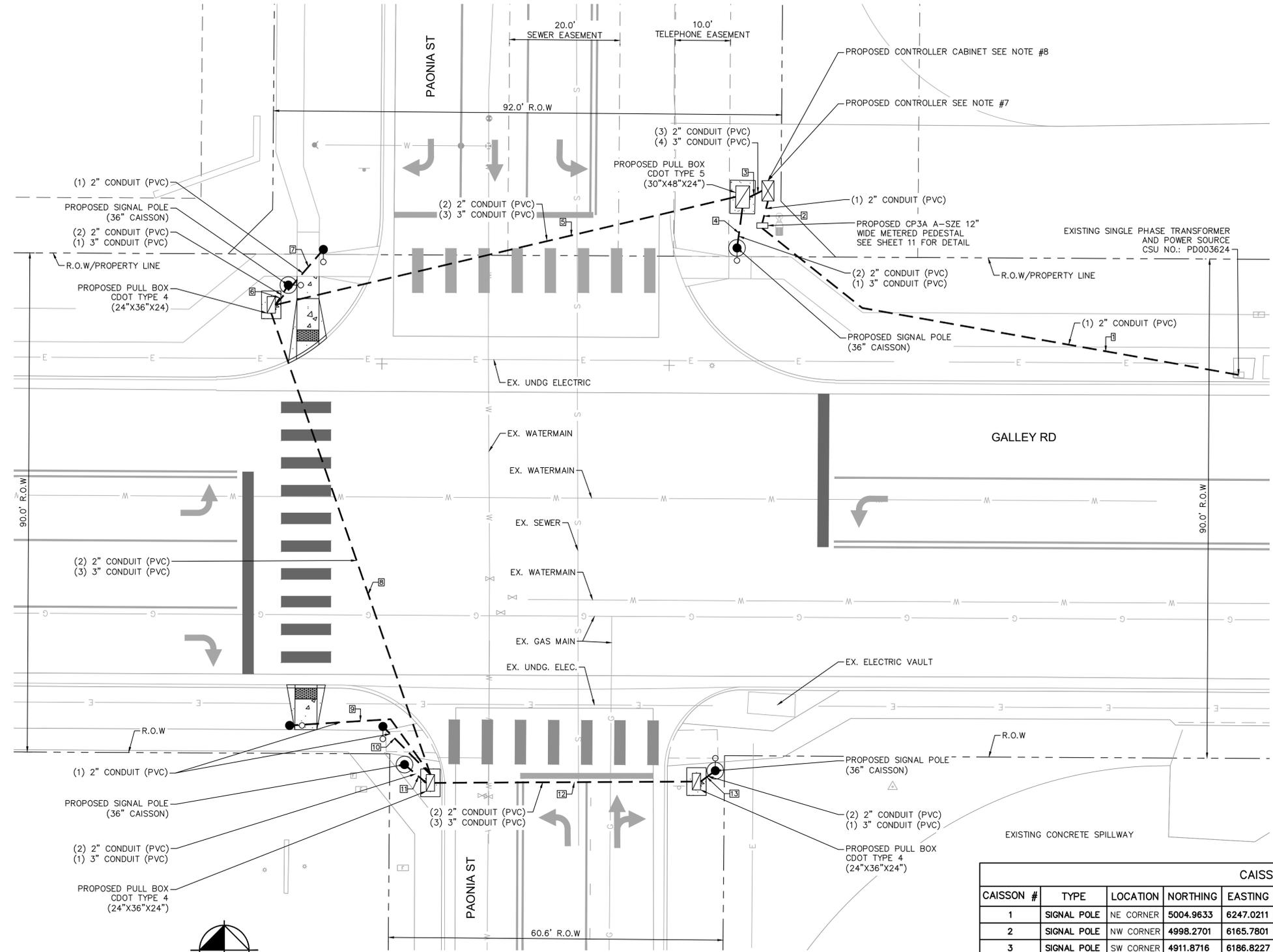
DESIGNED BY: KRK
 DRAWN BY: RES
 CHECKED BY: EJJ
 DATE: 06/26/2023

SOLACE APARTMENTS FILING NO. 2
 CONSTRUCTION DOCUMENTS
GALLEY RD & PAONIA ST - TRAFFIC SIGNAL PLANS
 SIGNAL PLAN



PROJECT NO.
096668009
 SHEET
8

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TRAFFIC SIGNAL LEGEND

- ☒ CONTROLLER
- ☐ PULL BOX (24"x36"x18")
- ➔ SIGNAL HEAD (LED)
- POWER METER PEDESTAL
- ⌋ PEDESTRIAN HEAD
- ⌋ PEDESTRIAN PUSH BUTTON WITH COUNTDOWN
- ⌋ MICROWAVE VEHICLE PRESENCE SENSOR
- ⌋ OVERHEAD MOUNTED SIGN
- ⦿ MAST ARM & SIGNAL POLE
- PEDESTAL/PUSHBUTTON POLE
- ⦿ LUMINAIRE (LED)
- CONDUIT

UTILITY LEGEND

- G EXISTING UNDERGROUND NATURAL GAS
- E EXISTING UNDERGROUND ELECTRIC
- S EXISTING SANITARY SEWER
- W EXISTING WATER MAIN

NOTES

1. MAST ARMS, CAISSON DIAMETER, AND CAISSON DEPTHS WERE DETERMINED PER CDOT STANDARD DETAIL S-614-40A
2. PEDESTRIAN PUSH BUTTON ASSEMBLIES ARE TO BE CONSTRUCTED PER CDOT STANDARD S-614-09
3. ALL PEDESTALS AND PUSH BUTTONS SHALL BE LOCATED IN THE CLEAR SPACE PER S-614-45
4. PULL BOXES SHALL BE PLACED PER CDOT STANDARD DETAIL S-614-43
5. TOP OF CAISSON SHALL BE FLUSH WITH SIDEWALK IF DIRECTLY ADJACENT TO SIDEWALK OR A MINIMUM OF 2" ABOVE THE LANDSCAPING
6. PROPOSED CONTROLLER TO BE A MCCAIN 2070 FLEX ATC CONTROLLER W/ RACK MOUNT, C1 CONNECTOR, AND OMNI SOFTWARE
7. PROPOSED CONTROLLER CABINET SHALL BE A MCCAIN 3501 ATC W/ BATTERY BACKUP AND AUXILIARY RACK.

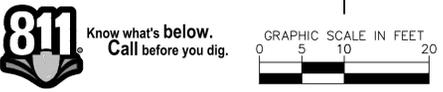
CONDUIT SCHEDULE			
LINE	LENGTH (FT)	CONDUIT	NOTES
1	93	(1) 2" CONDUIT	TRANSFORMER TO POWER METER
2	4	(1) 2" CONDUIT	POWER METER TO CONTROLLER
3	3	(3) 2" CONDUIT (4) 3" CONDUIT	CONTROLLER TO HR PULL BOX
4	7	(2) 2" CONDUIT (1) 3" CONDUIT	HR PULL BOX TO SIGNAL POLE
5	86	(2) 2" CONDUIT (3) 3" CONDUIT	DIRECTIONAL BORING
6	4	(2) 2" CONDUIT (1) 3" CONDUIT	PULL BOX TO SIGNAL POLE
7	13	(1) 2" CONDUIT	PULL BOX TO PEDESTAL
8	88	(2) 2" CONDUIT (3) 3" CONDUIT	DIRECTIONAL BORING
9	31	(1) 2" CONDUIT	PULL BOX TO PEDESTAL
10	12	(1) 2" CONDUIT	PULL BOX TO PEDESTAL
11	5	(2) 2" CONDUIT (1) 3" CONDUIT	PULL BOX TO SIGNAL POLE
12	47	(2) 2" CONDUIT (3) 3" CONDUIT	DIRECTIONAL BORING
13	3	(2) 2" CONDUIT (1) 3" CONDUIT	PULL BOX TO SIGNAL POLE

CONDUIT SUMMARY TOTAL

2 INCH CONDUIT (TRENCHED) = 107 LF 2 INCH CONDUIT = 642 LF
 2 INCH CONDUIT (BORED) = 442 LF 3 INCH CONDUIT = 694 LF
 2 INCH CONDUIT (POWER FEED) = 93 LF
 3 INCH CONDUIT (TRENCHED) = 31 LF
 3 INCH CONDUIT (BORED) = 663 LF

CAISSON SCHEDULE								
CAISSON #	TYPE	LOCATION	NORTHING	EASTING	CAISSON SIZE	CAISSON DEPTH	MAST ARM LENGTH	SURFACE ELEV.
1	SIGNAL POLE	NE CORNER	5004.9633	6247.0211	36"	18'-6"	35'	6248.14
2	SIGNAL POLE	NW CORNER	4998.2701	6165.7801	36"	18'-6"	40'	6248.43
3	SIGNAL POLE	SW CORNER	4911.8716	6186.8227	36"	18'-6"	30'	6248.01
4	SIGNAL POLE	SE CORNER	4910.7597	6243.0813	36"	18'-6"	50'	6248.00
5	5' PED POLE	NW CORNER	5004.6917	6172.1353	18"	4'-8"	N/A	6248.43
6	10' PED POLE	SW CORNER	4918.9204	6166.0133	18"	4'-8"	N/A	6248.03
7	5' PED POLE	SW CORNER	4918.7351	6182.9055	18"	4'-8"	N/A	6248.01

* ELEVATIONS ARE PROVIDED FOR REFERENCE. CONTRACTOR TO VERIFY ELEVATIONS PRIOR TO CONSTRUCTION.



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DESIGNED BY: KRK
 DRAWN BY: RES
 CHECKED BY: EUG
 DATE: 06/26/2023

SOLACE APARTMENTS FILING NO. 2
 CONSTRUCTION DOCUMENTS
 GALLEY RD & PAONIA ST - TRAFFIC SIGNAL PLANS
 CONDUIT PLAN

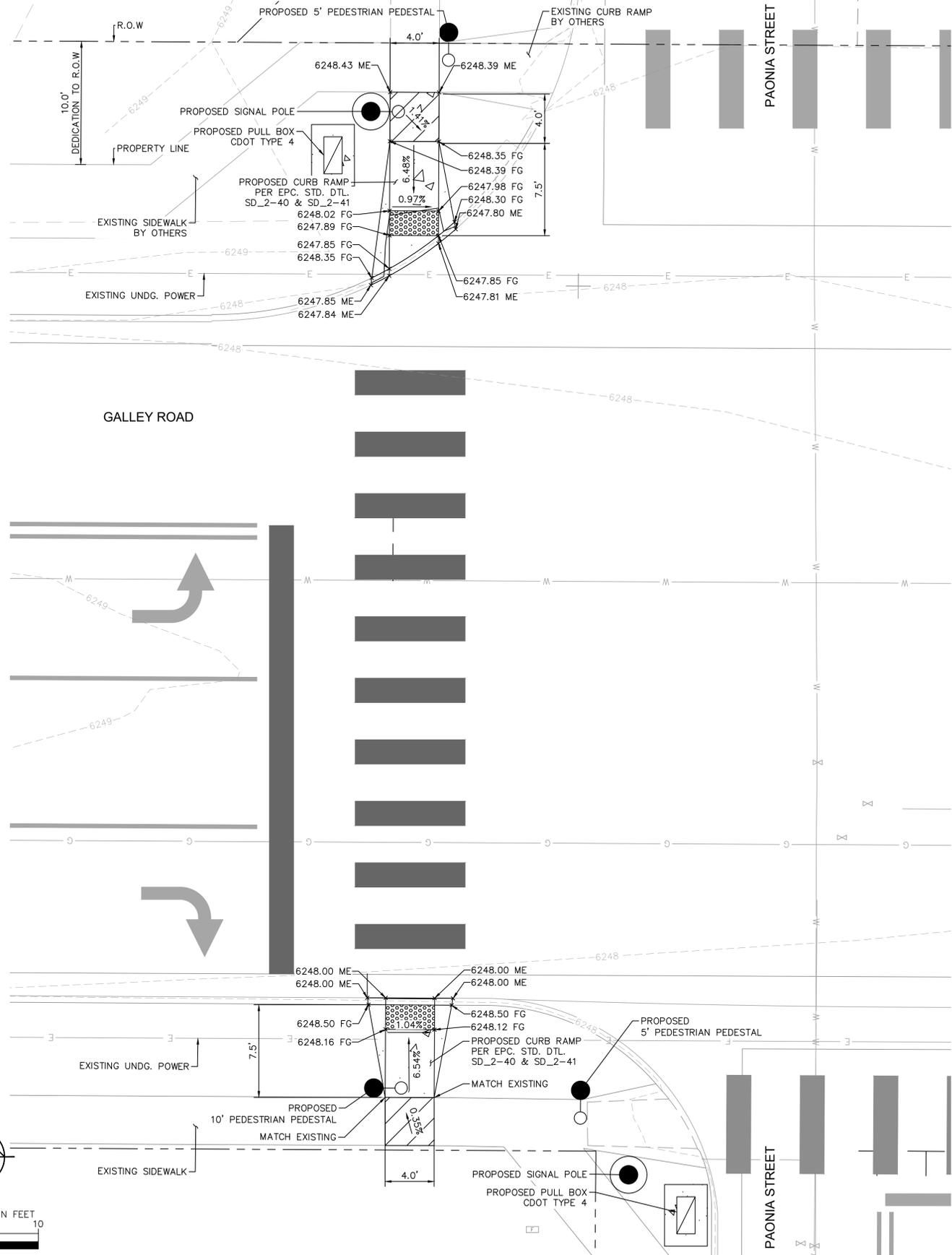


PROJECT NO.
096668009
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Know what's below.
Call before you dig.

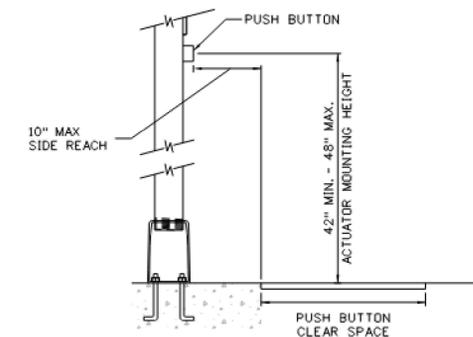
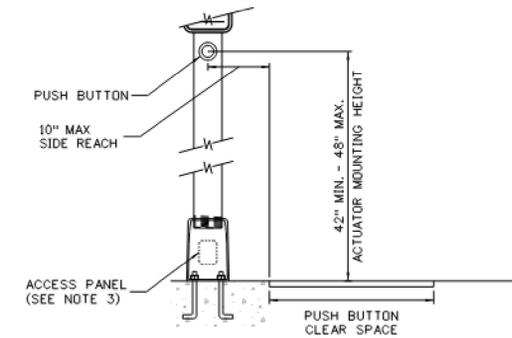


LEGEND

- EXISTING CONCRETE SIDEWALK
- PROPOSED CONCRETE CURB RAMP PER SD_2-40 & SD_2-41
- PROPOSED DETECTABLE WARNING SURFACE (DWS)
- 4' X 4' MIN TURNING SPACE
2% MAX. SLOPE (IN ANY DIRECTION)

GENERAL NOTES

1. CONTROL JOINT SPACING SHALL BE 4' TYPICAL AND NO GREATER THAN 10 FT.
2. EXPANSION JOINT SPACING SHALL BE 20' TYPICAL.
3. ALL ACCESSIBLE AREAS SHALL COMPLY WITH ALL ADA REQUIREMENTS INCLUDING A LONGITUDINAL SLOPE OF 5.0% MAXIMUM AND A CROSS SLOPE OF 2% MAXIMUM.
4. CONTRACTOR TO CONFIRM EXISTING ELEVATIONS IN THE FIELD.
5. CONTRACTOR IS RESPONSIBLE FOR APPLYING FOR AND OBTAINING THE STATE STORMWATER DISCHARGE PERMIT AT LEAST TEN (10) BUSINESS DAYS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
6. CONTRACTOR TO VERIFY ALL ELEVATIONS IN THE FIELD.
7. CONTRACTOR TO MATCH ELEVATIONS AT EXISTING SIDEWALK TIE-IN LOCATIONS.



PUSH BUTTON LOCATION DETAIL
PER CDOT STANDARD DETAIL S-614-45

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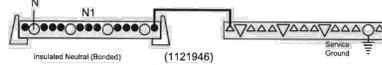
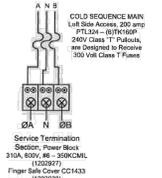
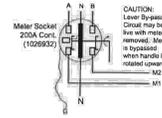
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 DATE: 06/26/2023

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 CONSTRUCTION DOCUMENTS
 GALLEY RD & PAONIA ST - TRAFFIC SIGNAL PLANS
 GRADING DETAIL

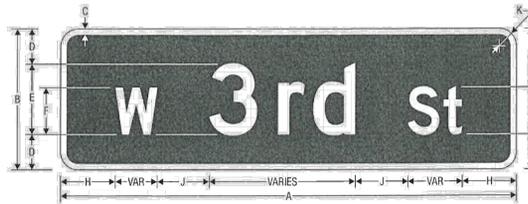


PROJECT NO.
09668009
 SHEET
10

Catalog Number: 120/240 VAC, 1-phase, 3-wire, 100 Amps Maximum. (see Main circuit breaker rating)
CP3A51C16AAPCSXCCOD1 Rainproof - Type 3R, Aluminum Enclosure, painted GRAY
 Enclosed Industrial Control - Suitable ONLY for Use as Service Equipment
 Dead Front - 1189639



Sheet 2 of 2



	A	B	C	D	E	F	G	H	J	K	L	M	N	O
VAR	8	0.375	2	4 D	3 D	3	3 (MIN)	3	1	1.75	2.25	2.75	1.5 D	
VAR	12	0.5	3	6 D	4 D	5	4.5 (MIN)	4.5	1.5	2.75	3.25	4.75	3 D	
VAR	18	0.75	5	8 D	5.33 D	7.67	5.33 (MIN)	6	1.875	5	5	7.67		
VAR	24	1	6	12 D	8 D	10	9 (MIN)	9	2.25	5.5	6.5	9.5		

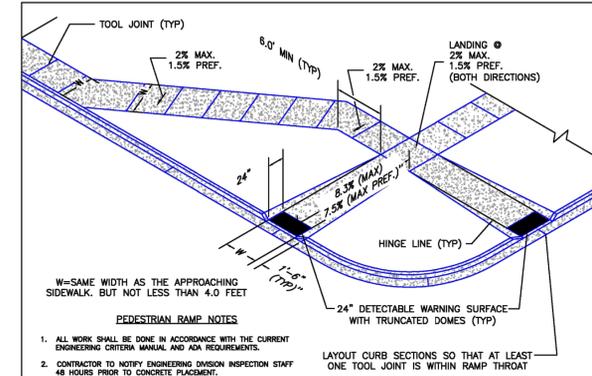
COLORS: LEGEND, BORDER - WHITE (RETROREFLECTIVE)
 BACKGROUND - GREEN (RETROREFLECTIVE)
 BACKGROUND (ALTERNATE) - BLUE OR BROWN (RETROREFLECTIVE)

X-XX

Sheet 1 of 3
 Issued 10/14/201

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PEDESTRIAN RAMP NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT ENGINEERING CRITERIA MANUAL AND ADA REQUIREMENTS.
- CONTRACTOR TO NOTIFY ENGINEERING DIVISION INSPECTION STAFF 48 HOURS PRIOR TO CONCRETE PLACEMENT.
- PEDESTRIAN CURB RAMP CONSTRUCTION SHALL BE A MINIMUM 4,500 PSI CONCRETE, MINIMUM 4" THICK, NON-COLORED, NON-SCORED, COARSE BROOM FINISH.
- PEDESTRIAN CURB RAMP LOCATION AND LENGTH MAY REQUIRE MODIFICATION TO MAINTAIN THE 8.3% MAXIMUM RUNNING RAMP SLOPE DUE TO STREET INTERSECTION GRADINGS AND/OR ALIGNMENTS. SEE SECTION 6.3.6 FOR PEDESTRIAN PUSHBUTTON LOCATION REQUIREMENTS.
- DETECTABLE WARNING SURFACE SHALL START A MINIMUM OF 6" BUT NOT MORE THAN 8" FROM THE FLOWLINE OF THE CURB AT ANY POINT.
- DETECTABLE WARNING SURFACE SHALL BE PREFABRICATED, CAST IRON (PRIMA NATURAL FINISH) AND IN ACCORDANCE WITH ICA CHAPTER 8 AND SD.2-42. THERMOPLASTIC TRUNCATED DOMES AND PAVERS WILL NOT BE ACCEPTED.
- THE DETECTABLE WARNING SURFACE SHALL BE 24" IN LENGTH AND THE FULL WIDTH OF THE RAMP.
- PEDESTRIAN CURB RAMP WIDTH REQUIRED IS SAME AS APPROACHING SIDEWALK, 4' MINIMUM.
- ALL PEDESTRIAN CURB RAMPS WILL BE PERPENDICULAR TO TRAFFIC WITH THE EXCEPTION OF MID-BLOCK OR TERMINAL RAMPS WHICH MAY BE PARALLEL SUBJECT TO APPROVAL.
- DRAINAGE STRUCTURES, TRAFFIC SIGNAL/SIGNALAGE, UTILITIES/JUNCTION BOXES, OR OTHER OBSTRUCTIONS WITHIN PROPOSED PEDESTRIAN CURB RAMP AREAS AND LANDINGS ARE PROHIBITED.
- THE COUNTER SLOPE OF THE GUTTER OR ROAD AT THE FOOT OF A RAMP SHALL NOT EXCEED 5%.

GENERAL NOTES

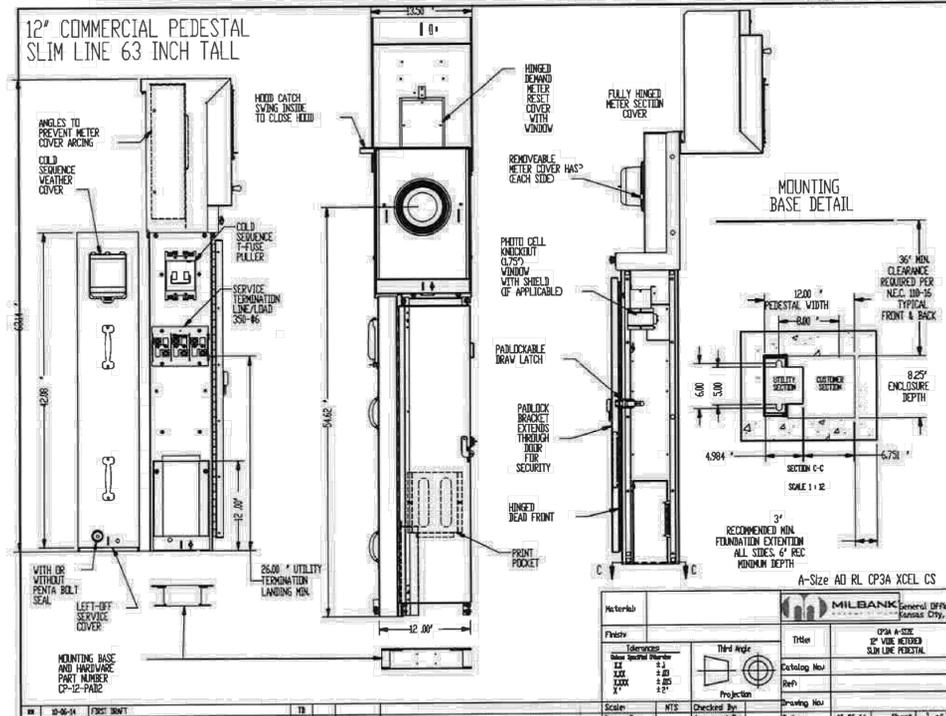
- WHERE THE 1"-8" FLARED SIDINGS OF A PERPENDICULAR CURB RAMP IS (ARE) CONTIGUOUS WITH A PEDESTRIAN OR HARD SURFACE AREA (PEDESTRIAN CIRCULATION PATH), THE MAXIMUM FLARE SLOPE SHALL NOT EXCEED 10:1.
- PEDESTRIAN WALKWAY (PEDESTRIAN ACCESS ROUTE) AND/OR LOCATION OF EXISTING OR FUTURE PEDESTRIAN RAMPS ON OPPOSITE CORNERS SHALL BE REVIEWED BEFORE CONSTRUCTING NEW RAMPS.
- AT MARKED PEDESTRIAN CROSSINGS, THE BOTTOM OF THE RAMPS, EXCLUSIVE OF THE FLARE SIDING, SHALL BE TOTALLY CONTAINED WITHIN THE MARKINGS.

6/23/20
 DATE APPROVED: Jennifer E. Irvine
 DEPARTMENT OF PUBLIC WORKS

Pedestrian Curb Ramp Detail
 Standard Drawing
 REVISION DATE: 6/23/20
 FILE NAME: SD_2-41

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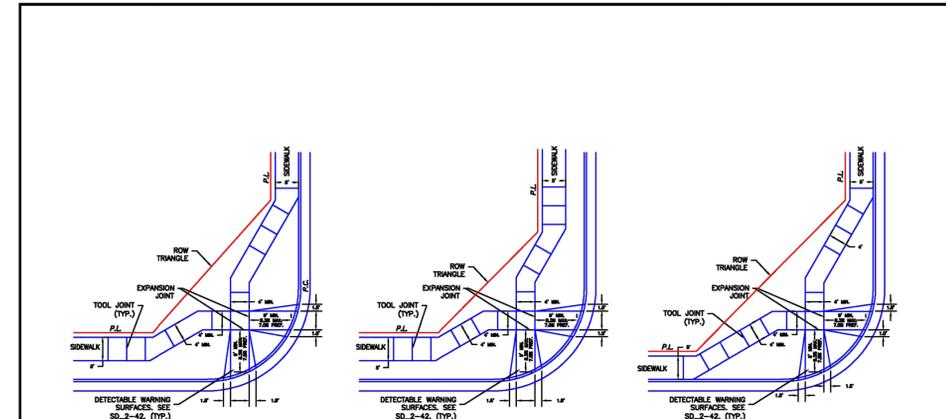
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Material	Quantity	Notes
Aluminum	1	12" x 12" x 63" PEDESTAL
Steel	1	12" x 12" x 63" PEDESTAL
Plastic	1	12" x 12" x 63" PEDESTAL

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Pedestrian Curb Ramp Detail
 Standard Drawing
 REVISION DATE: 6/23/20
 FILE NAME: SD_2-40

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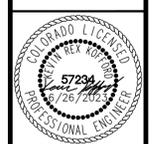
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SOLACE APARTMENTS FILING NO. 2
 CONSTRUCTION DOCUMENTS
 GALLEY RD & PAONIA ST - TRAFFIC SIGNAL PLANS
 DETAILS



PROJECT NO. 09668009
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