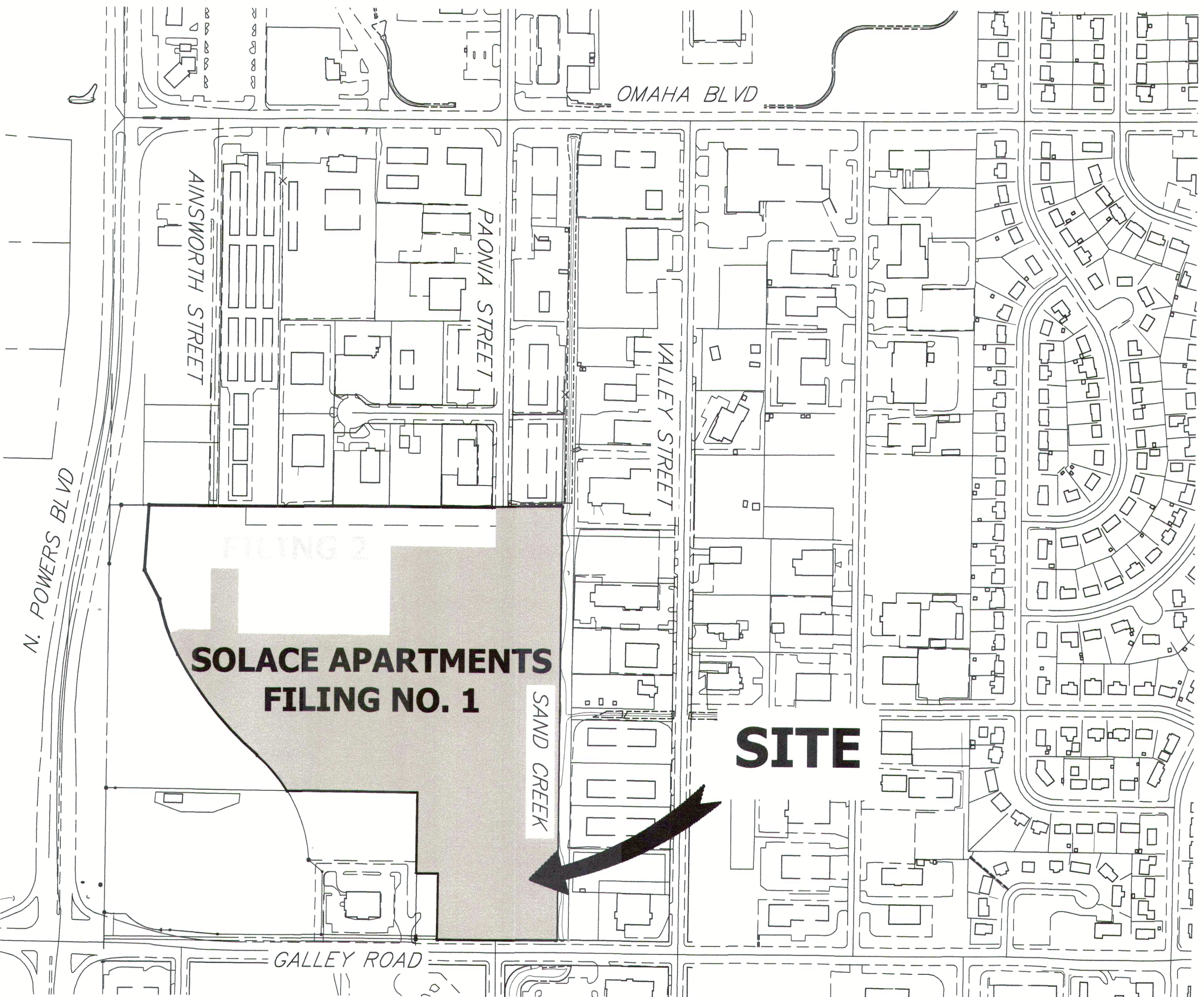


PAONIA STREET IMPROVEMENTS
A PORTION OF SECTION 7, TOWNSHIP 14 SOUTH, RANGE 65 WEST OF THE 6TH P.M.
EL PASO COUNTY, COLORADO

PAONIA STREET IMPROVEMENTS

ABBREVIATIONS

AC	ACRE	FDP	FINAL DEVELOPMENT PLAN	PL	PROPERTY LINE
AD	ALGEBRAIC DIFFERENCE	FDR	FINAL DRAINAGE REPORT	PR	PROPOSED
AH	ALIGNED	FES	FLARED END SECTION	PRC	POINT OF REVERSE CURVATURE
ARCH	ARCHITECT	FG	FINISHED GRADE	PT	POINT OF TANGENCY
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	FH	FIRE HYDRANT	PV	PLUG VALVE
ASSY	ASSEMBLY	FL	FLOWLINE	PVC	POLYVINYL CHLORIDE
AVE	AVENUE	FLNG	FLUNG	R	RADIUS
BB	BOX BASE	FO	FIBER OPTIC CABLE	RCP	REINFORCED CONCRETE PIPE
BK	BACK	GB	GRADE BREAK	RD	ROAD
BNDY	BOUNDARY	GE	GAS EASEMENT	ROW	RIGHT OF WAY
BOP	BOTTOM OF PIPE	GIS	GEOGRAPHIC INFORMATION SYSTEM	RT	RIGHT
BOV	BLOW OFF VALVE	GL	GAS LINE	S	SOUTH
BFV	BUTTERFLY VALVE	GPS	GLOBAL POSITIONING SYSTEM	STE	STEEL
BLVD	BOULEVARD	GV	GATE VALVE	SAN	SANITARY SEWER
BW	BOTTOM OF WALL	HC	HANDICAP	SF	SQUARE FEET
C&G	CURB & GUTTER	HDC	HIGH DEFLECTION COUPLING	ST	STREET
CATV	CABLE TELEVISION	HDPE	HIGH DENSITY POLYETHYLENE	STA	STATION
CB	CATCH BASIN	HGL	HYDRAULIC GRADE LINE	STM	STORM SEWER
CBC	CONCRETE BOX CULVERT	HOA	HOME OWNERS ASSOCIATION	SY	SQUARE YARD
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION	HP	HIGH POINT	SY-IN	SQUARE YARD INCH
CDS	CUL-DE-SAC	I	INLET	TB	THRUST BLOCK
CFS	CUBIC FEET PER SECOND	IE	IRRIGATION EASEMENT	TBC	TOP BACK OF CURB
CL	CENTER LINE	INT	INTERSECTION	TBW	TOP BACK OF WALK
CLOMR	CONDITIONAL LETTER OF MAP REVISION	INV	INVERT	TEL	TELEPHONE
CLR	CLEAR	IRR	IRRIGATION	TOA	TOP OF ASPHALT
CMP	CORRUGATED METAL PIPE	KB	KICK (THRUST) BLOCK	TOB	TOP OF BOX
CO	CLEAN OUT	LE	LANDSCAPE EASEMENT	TOC	TOP OF CURB OR CONCRETE
CONC	CONCRETE	LF	LINEAR FEET	TOF	TOP OF FOUNDATION
CR	CIRCLE	LN	LANE	TOP	TOP OF PIPE
CSP	CORRUGATED STEEL PIPE	LOMR	LETTER OF MAP REVISION	TW	TOP OF WALL
CT	COURT	LP	LOW POINT	TYP	TYPICAL
CTRB	CONCRETE THRUST REDUCER	LS	LUMP SUM	UDFCD	URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
CY	CUBIC YARD	LT	LEFT	UE	UTILITY EASEMENT
DBPS	DRAINAGE BASIN PLANNING STUDY	MAX	MAXIMUM	U&DE	UTILITY & DRAINAGE EASEMENT
DE	DRAINAGE EASEMENT	MDDP	MASTER DEVELOPMENT DRAINAGE PLAN	UGC	UNDERGROUND UTILITY
DIA	DIAMETER	MH	MANHOLE	VCP	VITRIFIED CLAY PIPE
DIP	DUCTILE IRON PIPE	MIN	MINIMUM	VPC	VERTICAL POINT OF CURVATURE
DR	DRIVE	N	NORTH	VPI	VERTICAL POINT OF INTERSECTION
DRC	DESIGN REVIEW COMMITTEE	NRCP	NON-REINFORCED CONCRETE PIPE	VPT	VERTICAL POINT OF TANGENCY
DU	DWELLING UNITS	ODP	OFFICIAL DEVELOPMENT PLAN	VTC	VEHICLE TRACKING CONTROL
E	EAST	OHE	OVERHEAD ELECTRIC	W	WEST
EGL	ENERGY GRADE LINE	OHU	OVERHEAD UTILITY	WL	WATER LINE
EL	ELEVATION	PC	POINT OF CURVATURE	WM	WATER MAIN
ELEC	ELECTRIC	PCC	POINT OF COMPOUND CURVATURE	WRD	WATER RESOURCES DEPARTMENT
EOA	EDGE OF ASPHALT	PCR	POINT OF CURB RETURN	WS	WATER SURFACE
ESMT	EASEMENT	PDP	PRELIMINARY DEVELOPMENT PLAN	WSE	WATER SURFACE ELEVATION
EST	ESTIMATE	PE	PROFESSIONAL ENGINEER	WTR	WATER
EX	EXISTING	PI	POINT OF INTERSECTION	YR	YEAR
		PKWY	PARKWAY		



VICINITY MAP
SCALE: 1" = 300'

SHEET INDEX

1	COVER SHEET
2	LEGEND & NOTES
3	TYPICAL SECTIONS
4	OVERALL UTILITY PLAN
5-7	ROADWAY PLAN AND PROFILE
8-9	SIGNAGE AND STRIPING PLAN
10	DETAILS
TOTAL	10

OWNER

CS POWERS & GALLEY, LLC
510 S. NEIL STREET
CHAMPAIGN, IL 61820
P~734.216.2577

CIVIL ENGINEER

JR ENGINEERING
5475 TECH CENTER DR
SUITE 235
COLORADO SPRINGS, CO 80919
CONTACT: MIKE BRAMLETT
C~719.659.7679

PLANNER

N.E.S. INC.
619 N. CASCADE AVE
SUITE 200
COLORADO SPRINGS, CO 80903
CONTACT: TAMARA BAXTER
P~719.471.0073

ARCHITECT

LCM ARCHITECTS
819 S. WABASH AVE, FIFTH FLOOR
CHICAGO, IL 60605
P~312.995.5305

GEOTECHNICAL ENGINEER

CTL THOMPSON, INC
5170 MARK DABLING BLVD
COLORADO SPRINGS, CO 80918
P~719.528.8300



OWNER/DEVELOPER STATEMENT

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

Dane Olmstead
DANE OLMSTEAD

11/11/21
DATE

CS POWERS & GALLEY LLC
510 S NEIL ST
CHAMPAIGN, IL 61820

EL PASO COUNTY 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 EOM 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.

APPROVED

Engineering Department
11/30/2021 11:16:35 AM
JENNIFER IRVINE, P.E.
EPC Planning & Community Development Department

JENNIFER IRVINE, P.E.

COUNTY ENGINEER/ECM ADMINISTRATOR

ENGINEER'S STATEMENT

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECT 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 APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLAN 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 THESE DETAILED PLANS AND SPECIFICATIONS.

Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314

11/11/21
DATE

FOR AND ON BEHALF OF JR ENGINEERING, LLC

UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE EL PASO COUNTY ENGINEER, THE ENGINEER'S APPROVAL DOES NOT APPLY FOR THE PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.

PREPARED FOR
CS POWERS & GALLEY, LLC
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CHAMPAIGN, IL 61820
OFFICE PHONE
(734) 216-2577

JR ENGINEERING
A Westman Company
Centennial 303-740-3833 • Colorado Springs 719-593-2688
Fort Collins 970-491-9888 • www.jrengineering.com

BY	DATE	No.	REVISION	H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
				1" = 300'	N/A	11/11/21	JRM	JRM	

PAONIA STREET IMPROVEMENTS
COVER SHEET



Feature	Symbol	Symbol
PATCH LINE	---	---
SECTION LINE	---	---
BOUNDARY LINE	---	---
PROPERTY LINE	---	---
EASEMENT LINE	---	---
RIGHT OF WAY	---	---
CENTERLINE	---	---
FENCE	--- X --- X ---	--- X --- X ---
GUARDRAIL	□ □ □ □ □ □ □ □	■ ■ ■ ■ ■ ■ ■ ■
CABLE TV	--- TV --- TV ---	--- TV --- TV ---
ELECTRIC	--- E --- E ---	--- E --- E ---
FIBER OPTIC	--- FO --- FO ---	--- FO --- FO ---
GAS MAIN	--- G --- G ---	--- G --- G ---
IRRIGATION MAIN	--- IRR --- IRR ---	--- IRR --- IRR ---
OVERHEAD UTILITY	--- OHU --- OHU ---	--- OHU --- OHU ---
SANITARY SEWER	--- S --- S ---	--- S --- S ---
STORM DRAIN	--- S --- S ---	--- S --- S ---
TELEPHONE	--- T --- T ---	--- T --- T ---
WATER MAIN	--- W --- W ---	--- W --- W ---
SWALE/WATERWAY FLOWLINE	~ ~ ~ ~ ~ ~ ~ ~	~ ~ ~ ~ ~ ~ ~ ~
DIVERSION DITCH	~ ~ ~ ~ ~ ~ ~ ~	~ ~ ~ ~ ~ ~ ~ ~
TOP OF SLOPE	--- V --- V ---	--- V --- V ---
TOE OF SLOPE	--- III --- III ---	--- III --- III ---
100 YEAR FLOODPLAIN	--- 100YR ---	--- 100YR ---
5 YEAR HGL	--- ---	--- ---
100 YEAR HGL	--- ---	--- ---

<i>STORM SEWER</i>		
MANHOLE		
STORM INLET		
AREA INLET - SQUARE		
FLARED END SECTION		
RIPRAP		

LINE MARKER	<i>Mkr San^o</i>	
SERVICE MARKER		
CLEAN-OUT		
MANHOLE W/ DIRECTIONAL FLOW ARROW		

LINE MARKER	SERVICE MARKER	Mer W ^o	
FIRE HYDRANT			
MANHOLE			
BEND			
BLOW-OFF VALVE			
WELL			
METER			
VALVE			
REDUCER			
CROSS			
TEE			
AIR & VACUUM VALVE ASSEMBLY			

MARKER	<i>Mkr</i> G°
SERVICE MARKER	
METER	
VALVE	
PLUG	

CABLE TV MARKER	<i>Mkr</i> TV°	
CABLE TELEVISION PEDESTAL		
ELECTRIC MARKER	<i>Mkr</i> E°	
ELECTRIC SERVICE MARKER		
ELECTRICAL PEDESTAL		
ELECTRICAL METER		
ELECTRICAL MANHOLE		
FIBER-OPTIC MARKER	<i>Mkr</i> FO°	
IRRIGATION PEDESTAL		
TELEPHONE MARKER	<i>Mkr</i> T°	
TELEPHONE PEDESTAL		
TELEPHONE MANHOLE		
UTILITY POLE		
GUY ANCHOR		
GUY POLE		

ALUMINUM CAP - FOUND	● AC
BRASS CAP - FOUND	● BC
BENCHMARK - FOUND	⊕
CROSS - FOUND	+
MONUMENT - SET	○
MONUMENT - FOUND (DEFAULT)	●
MONUMENT - FOUND (ALTERNATE 1)	■
MONUMENT - FOUND (ALTERNATE 2)	◼
MONUMENT - FOUND (ALTERNATE 3)	▲
MONUMENT - FOUND (ALTERNATE 4)	△
MONUMENT - FOUND (ALTERNATE 5)	◆
MONUMENT - FOUND (ALTERNATE 6)	⊗
MONUMENT - FOUND (ALTERNATE 7)	⊙
NAIL & WASHER - FOUND	● NAIL & WASHER
PANEL - FOUND	⋈
PK NAIL - FOUND	● PK NAIL
ROW MONUMENT - FOUND	⊙
ROW MARKER - FOUND	□
SECTION CORNER - FOUND	⊕
SECTION CORNER - SET	⊗
QUARTER-SECTION CORNER - FOUND	⊙
QUARTER-SECTION CORNER - SET	⊗
SECTION CENTER - FOUND	⊙
SECTION CENTER - FOUND	⊙
CONTROL/TRaverse POINT - SET	△

	KEY
BASIN DESIGNATION (NO COEFFICIENT)	
BASIN DESIGNATION (1 COEFFICIENT)	
BASIN DESIGNATION (2 COEFFICIENTS)	
ANALYSIS POINT IDENTIFIER	
BASIN DESIGNATION (HISTORIC)	
BASIN DESIGNATION (DEVELOPED)	
SUB-BASIN DESIGNATION (DEVELOPED)	
DRAINAGE PIPE IDENTIFIER	
DRAINAGE POINT IDENTIFIER (HEXAGONAL)	
DRAINAGE POINT IDENTIFIER (TRIANGULAR)	
SWMM DESIGNATION 1	
SWMM DESIGNATION 2	
SWMM DESIGNATION 3	
SWMM DESIGNATION 4	

TREE — CONIFEROUS		
TREE — DECIDUOUS		
SHRUB/BUSH		
SHRUBS AND BUSHES		
IRRIGATION BOX		
IRRIGATION SPRINKLER		
IRRIGATION VALVE		
BOLLARD		
FLAGPOLE		

1. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
3. CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOIL AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
 - 3.1. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
 - 3.2. CITY OF COLORADO SPRINGS/ EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
 - 3.3. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS AND BRIDGE CONSTRUCTION
 - 3.4. CDOT M&S STANDARDS
4. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSIONS OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER—THE—FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
5. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS—ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE GIVEWAY DUST PERMITS.
8. CONTRACTOR SHALL NOT DEViate FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED AND APPROVED BY PLANNING AND COMMUNITY DEVELOPMENT.
10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. SIGHT VISIBILITY TRIANGLES ARE IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED IN SIGHT TRIANGLES.
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS AND MUTCD CRITERIA.
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
15. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

1. ALL SIGNS AND PAVEMENT MARKING SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
4. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLANS SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
7. ALL STREET NAME SIGNS SHALL BE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 8" BLANK AND NON-LOCAL ROADWAY SIGNS BEING 6" LETTERING. UPPER-LOWER CASE ON 12" BLANK, WITH A WHITE BORDER THAT IS NOT RECESSED. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 40 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 18" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS".
8. ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
9. ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE P2 TUBULAR STEEL POST SUBBASE DESIGN.
10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" THICKNESS.
11. ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH, CROSSWALK LINES SHALL BE 12" WIDE AND 8" LONG PER CDOT S-267-1.
12. ALL LONGITUDINAL LINES SHALL BE A MINIMUM 15MIL THICKNESS EPOXY PAINT. ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.
13. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (719) 520-6819 PRIOR TO AND UPON COMPLETION OF THE SIGNING AND STRIPING.
14. THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.



EPC 11/30/21

PREPARED UNDER MY SUPERVISION

MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING, LLC

PREPARED FOR
CS POWERS & GALLEY, LLC

J·R ENGINEERING
A Westrian Company



Centennial 303-740-9393 • Colorado Springs 719-593-2593
Fort Collins 970-491-9888 • www.jirengineering.com

	H-SCALE	N/A	No.	REVISION	BY	DATE
	V-SCALE	N/A				
	DATE	11/11/21				
	DESIGNED BY	JRM				
	DRAWN BY	JRM				
	CHECKED BY					

PAONIA STREET IMPROVEMENTS

LEGEND & NOTES

SHEET 2 OF 10

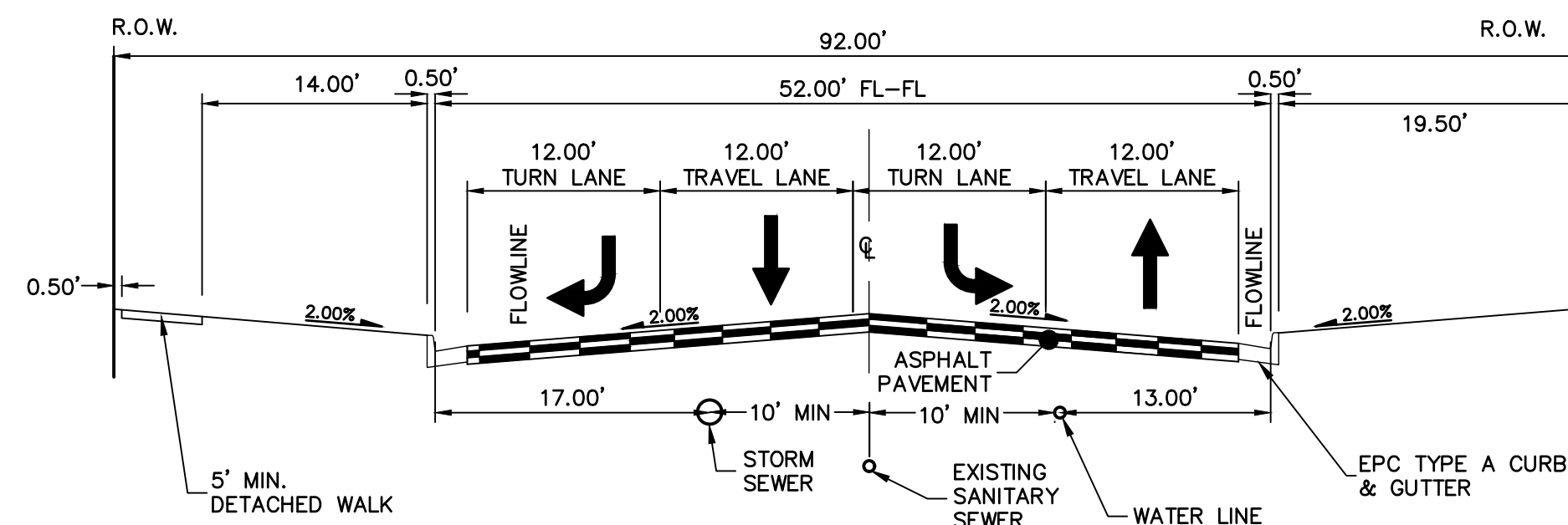
JOB NO. 25174.00



Plan view of a proposed intersection. The diagram shows a 14.00' wide approach on the left and a 19.50' wide approach on the right. The intersection width is 80.00' FL-FL, divided into three lanes: 12.00' TRAVEL LANE, 12.00' SHARED TURN LANE, and 12.00' TRAVEL LANE. The flowline is indicated by arrows. The intersection is paved with ASPHALT PAVEMENT. A 5' MIN. DETACHED WALK is shown on the left. A STORM SEWER is located 10' MIN from the left edge of the travel lane. An EXISTING SANITARY line is located 10' MIN from the centerline. A WATER LINE is located 8.00' from the right edge of the travel lane. The intersection is bordered by EPC TYPE A CURB & GUTTER. The overall width is 80.00' FL-FL, with 0.50' shoulders on both sides. The approach widths are 14.00' and 19.50'. The intersection width is 80.00' FL-FL. The lane widths are 12.00' TRAVEL LANE, 12.00' SHARED TURN LANE, and 12.00' TRAVEL LANE. The flowline is indicated by arrows. The intersection is paved with ASPHALT PAVEMENT. A 5' MIN. DETACHED WALK is shown on the left. A STORM SEWER is located 10' MIN from the left edge of the travel lane. An EXISTING SANITARY line is located 10' MIN from the centerline. A WATER LINE is located 8.00' from the right edge of the travel lane. The intersection is bordered by EPC TYPE A CURB & GUTTER. The overall width is 80.00' FL-FL, with 0.50' shoulders on both sides. The approach widths are 14.00' and 19.50'. The intersection width is 80.00' FL-FL. The lane widths are 12.00' TRAVEL LANE, 12.00' SHARED TURN LANE, and 12.00' TRAVEL LANE. The flowline is indicated by arrows. The intersection is paved with ASPHALT PAVEMENT. A 5' MIN. DETACHED WALK is shown on the left. A STORM SEWER is located 10' MIN from the left edge of the travel lane. An EXISTING SANITARY line is located 10' MIN from the centerline. A WATER LINE is located 8.00' from the right edge of the travel lane. The intersection is bordered by EPC TYPE A CURB & GUTTER.

PAONIA ST
TYPICAL SECTION (80' ROW)

URBAN NON-RESIDENTIAL COLLECTOR
STA 11+50 TO STA 21+03.88



PAONIA ST
TYPICAL SECTION (92' ROW)



ENGINEER'S STATEMENT

MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING

DATE _____

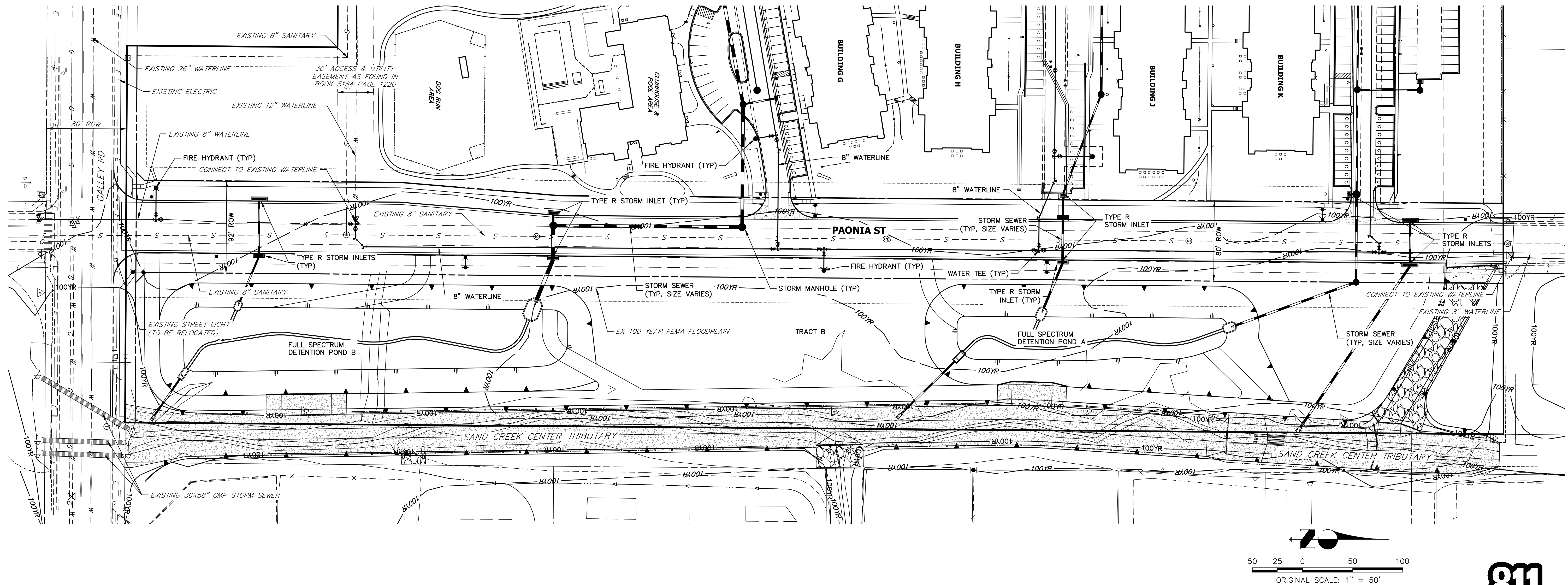
JOB NO.	25174.00	SHEET	3	OF	10	PAONIA STREET IMPROVEMENTS	H-SCALE	N/A	NO.	REVISION	BY	DATE
						TYPICAL SECTIONS	V-SCALE	N/A				
							DATE	11/11/21				
							DESIGNED BY	JRM				
							DRAWN BY	JRM				
							CHECKED BY					

PREPARED FOR
CS POWERS & GALLEY, LLC
510 S. NEIL ST.
CHAMPAIGN, IL 61820
OFFICE PHONE
(734) 216-2577

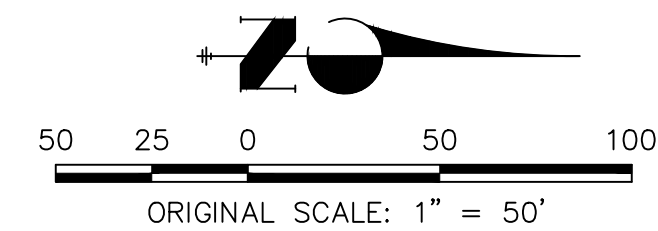
 **J·R ENGINEERING**
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UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USE ONLY FOR THE PURPOSES DESIGNATED BY WRITTEN AUTHORIZATION.



NOTES
1. SEE SHEET 3 FOR TYPICAL SECTIONS.



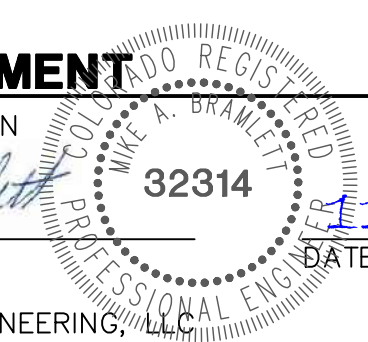
EPC 11/30/21

ENGINEER'S STATEMENT

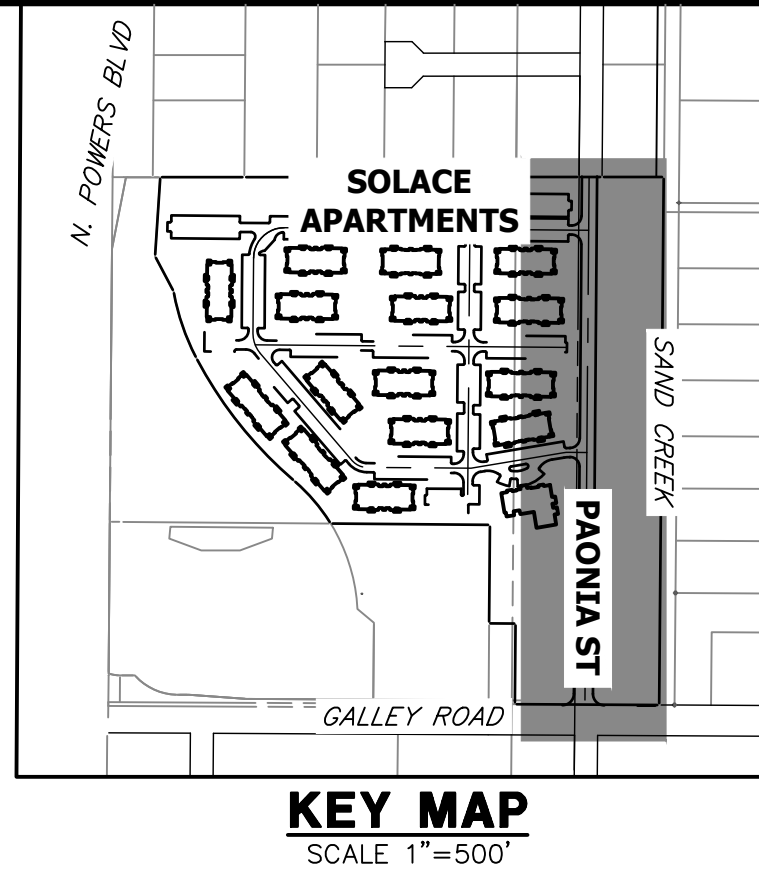
PREPARED UNDER MY SUPERVISION

MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314

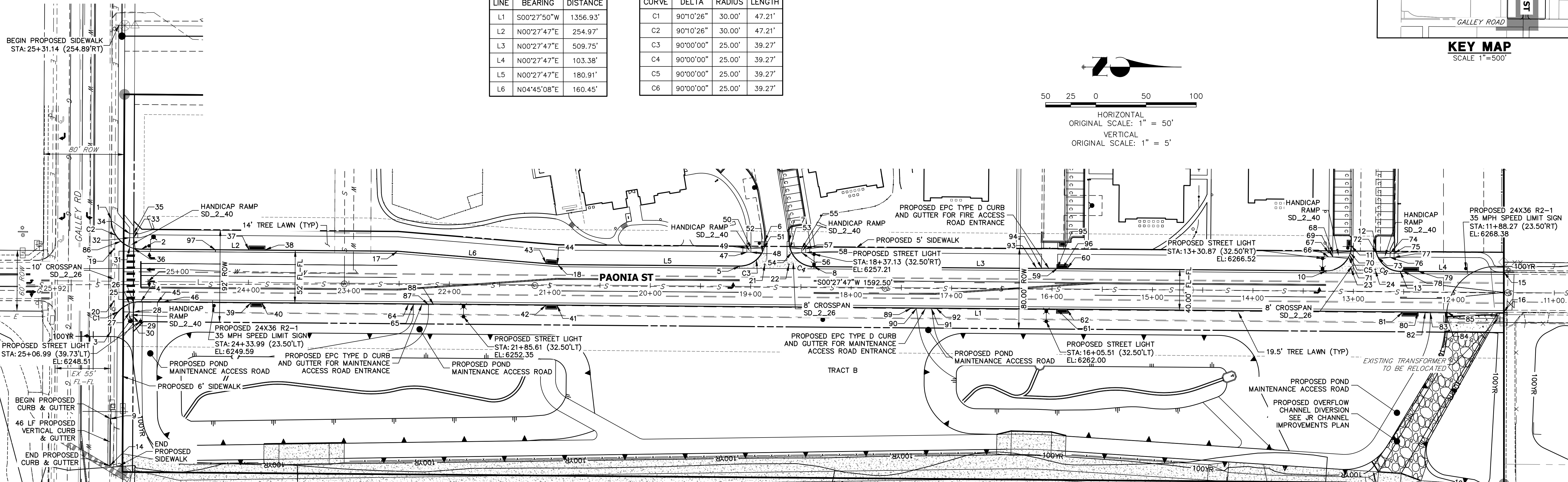
FOR AND ON BEHALF OF JR ENGINEERING, LLC



DATE 11/11/21



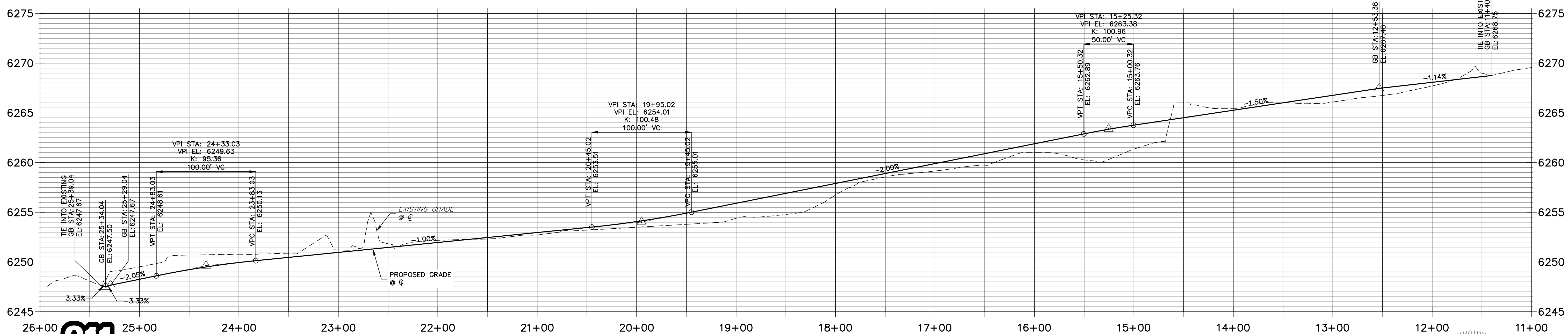
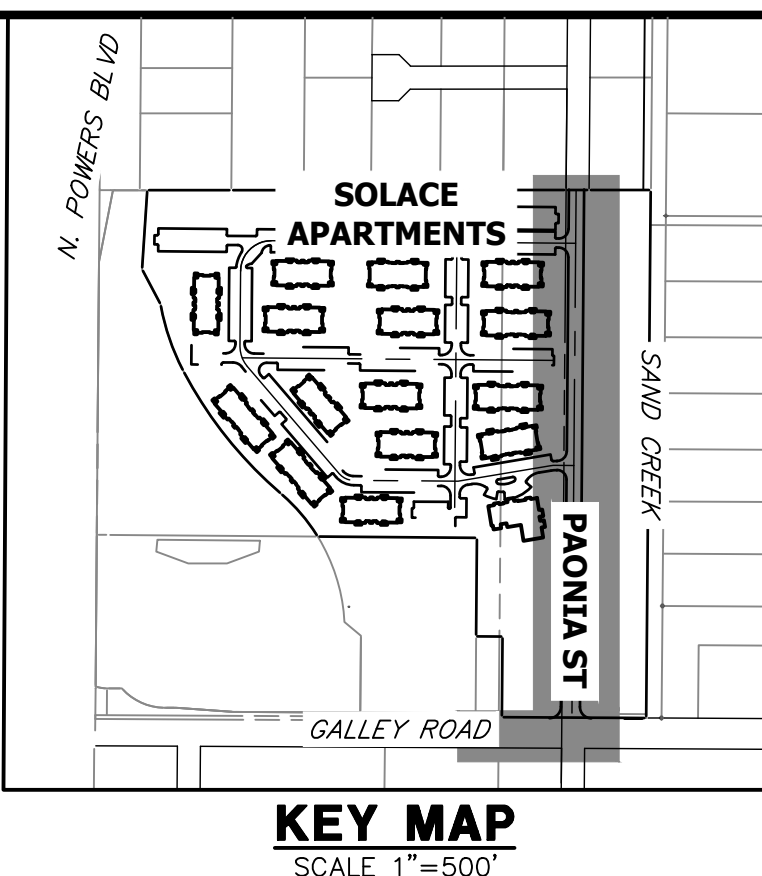
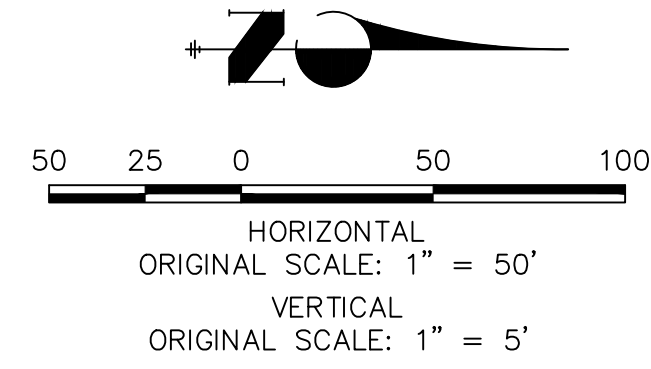
PREPARED FOR		BY		DATE	
CS POWERS & GALLEY, LLC					
510 S. NEIL ST.					
CHAMPAIGN, IL 61820					
OFFICE PHONE (734) 216-2577					
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PAONIA STREET IMPROVEMENTS					
OVERALL UTILITY PLAN					
SHEET 4 OF 10					
JOB NO. 25174.00					



LINE TABLE		
LINE	BEARING	DISTANCE
L1	S00°27'50"W	1356.93'
L2	N00°27'47"E	254.97'
L3	N00°27'47"E	509.75'
L4	N00°27'47"E	103.38'
L5	N00°27'47"E	180.91'
L6	N04°45'08"E	160.45'

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C1	90°10'26"	30.00'	47.21'
C2	90°10'26"	30.00'	47.21'
C3	90°00'00"	25.00'	39.27'
C4	90°00'00"	25.00'	39.27'
C5	90°00'00"	25.00'	39.27'
C6	90°00'00"	25.00'	39.27'

- NOTES**
1. ALL PROFILE ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE NOTED.
 2. ALL POINT TABULATIONS ARE FLOWLINE UNLESS OTHERWISE NOTED.
 3. SEE SHEET 2 FOR LEGEND.
 4. SEE SHEETS 3 FOR TYPICAL STREET SECTIONS.
 5. SIDEWALK SHALL BE A DEPTH OF 6 INCHES.



ENGINEER'S STATEMENT
PREPARED UNDER MY SUPERVISION

Mike Bramlett
32314
11/11/21

DATE

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BY	DATE	REVISION

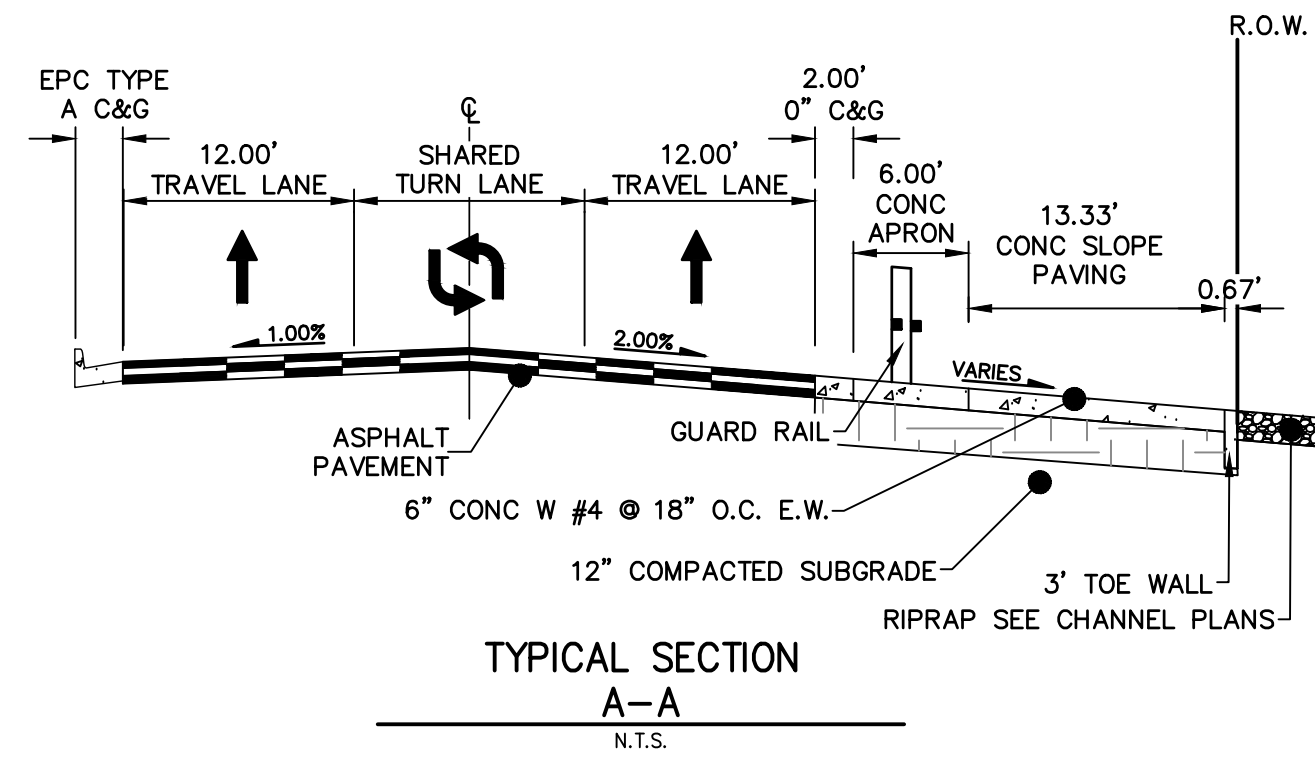
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1"=50'	1"=5'	11/11/21	JRM	JRM	

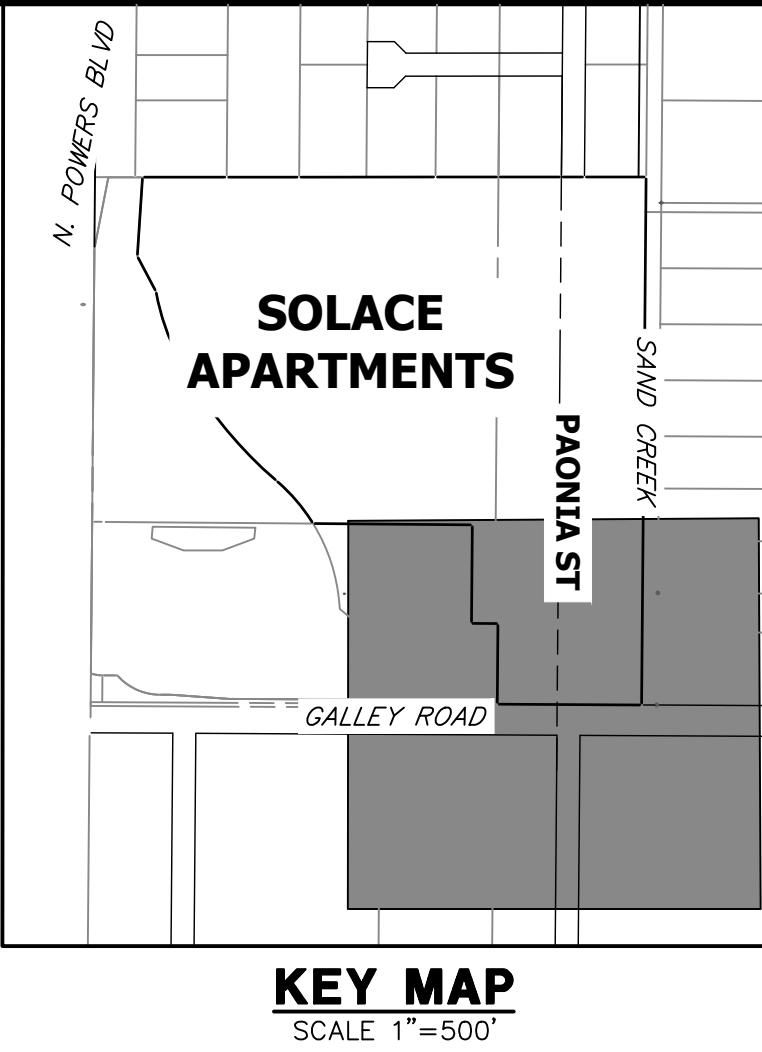
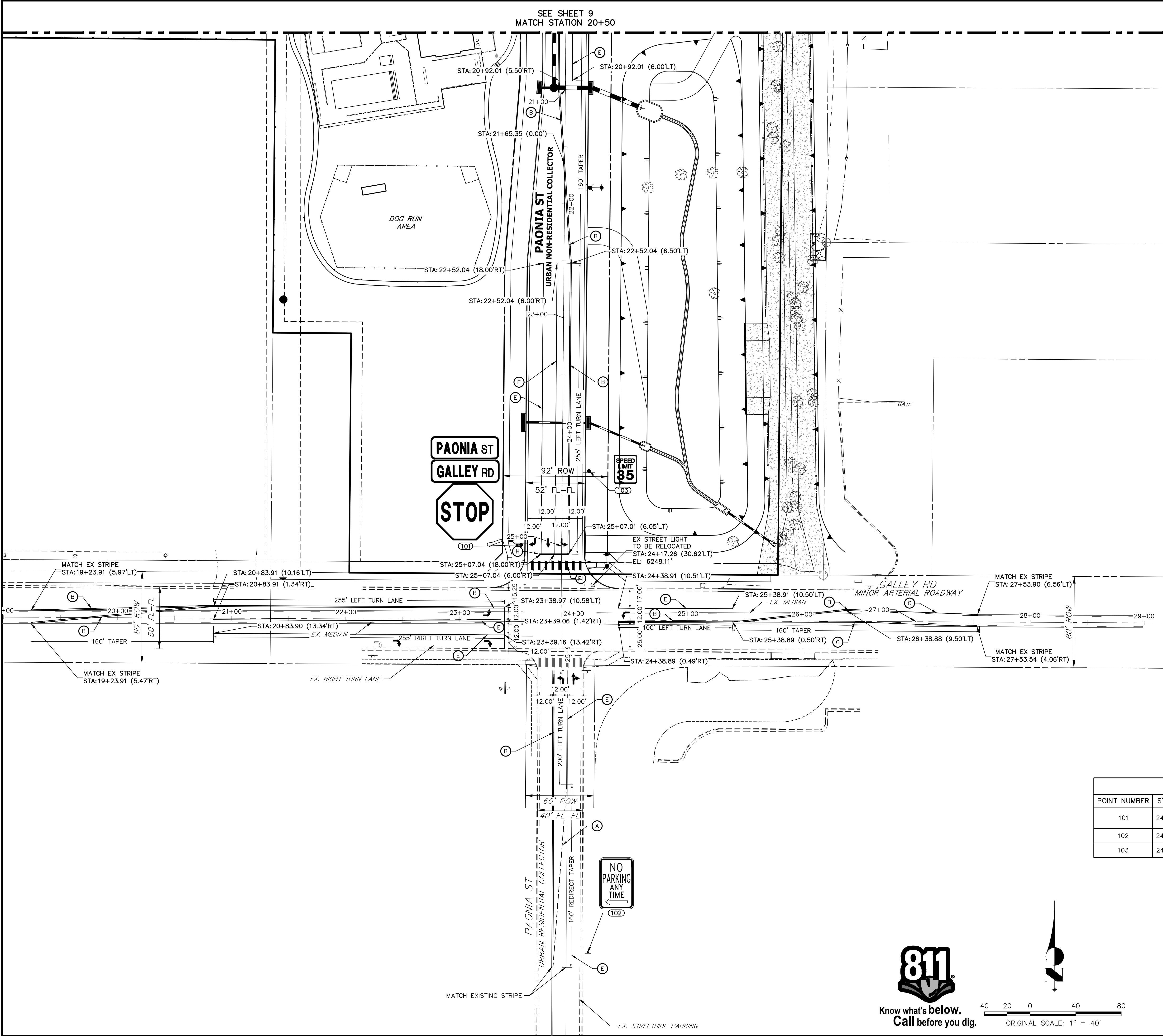
PAONIA STREET IMPROVEMENTS
ROADWAY PLAN AND PROFILE

SHEET 5 OF 10
JOB NO. 25174.00



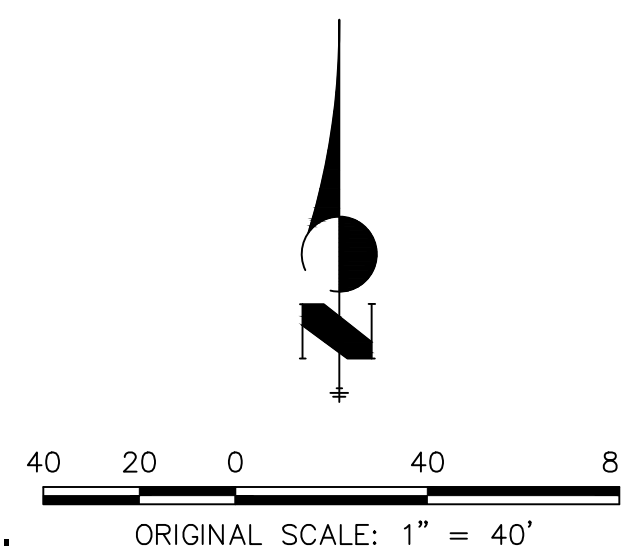
PAONIA STREET IMPROVEMENTS		ROADWAY PLAN AND PROFILE
SHEET 6	OF 10	
JOB NO.	25174.00	





- LEGEND**
- PROPOSED SIGN
 - EXISTING SIGN
 - CDOT DELINEATOR TYPE I (CRYSTAL)
 - CDOT DELINEATOR TYPE II (CRYSTAL)
 - CDOT DELINEATOR TYPE II (YELLOW)
 - CDOT DELINEATOR TYPE II (YELLOW) BACK TO BACK
 - EXISTING STRIPE TO REMAIN
 - SEE DEMOLITION PLAN FOR EX STRIPING REMOVAL
 - PROPOSED STRIPE
 - TABULATION KEY
 - LANE LINE - 4" WIDE X 10' LONG, 30' GAP, WHITE EPOXY
 - CENTER LINE - 4" WIDE, SOLID DOUBLE YELLOW, 4" SEPARATION, EPOXY
 - CENTER LINE - 4" WIDE, SOLID YELLOW OUTSIDE, INSIDE 4" X 10' LONG, 30' GAP, YELLOW EPOXY
 - CENTER LINE - 4" WIDE, SOLID YELLOW, EPOXY
 - EDGE LINE - 4" WIDE, SOLID WHITE EPOXY
 - CROSSWALK - 18"X10' SOLID WHITE PREFORMED THERMO-PLASTIC (MIN. 90 MIL THICKNESS)
 - 18" WIDE CROSSWALK PREFORMED THERMOPLASTIC
 - LANE DROP LINE - 4" WIDE X 3' LONG, 9' GAP, WHITE EPOXY
 - STOP BAR - 2'XLANE WIDTH SOLID WHITE PREFORMED THERMO-PLASTIC (MIN. 90 MIL THICKNESS)
 - SYMBOLS (ARROWS, "ONLY")- SHALL BE PREFORMED THERMO-PLASTIC (MIN. 90 MIL THICKNESS)

SIGNAGE TABULATION						
POINT NUMBER	STATION	OFFSET	ALIGNMENT	ELEVATION	NOTES	DESCRIPTION
101	24+99.22	35.50' (RT)	PAONIA ST CL	6248.61		36X36 R1-1 & D3-1 (2)
102	24+07.27	291.20' (RT)	GALLEY RD CL	6243.59		18" X 12" NO PARKING
103	24+33.99	23.50' (LT)	PAONIA ST CL	6249.59		24X30 R2-1



EPC 11/30/21

ENGINEER'S STATEMENT
PREPARED UNDER MY SUPERVISION

Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING, LLC

DATE 11/11/21

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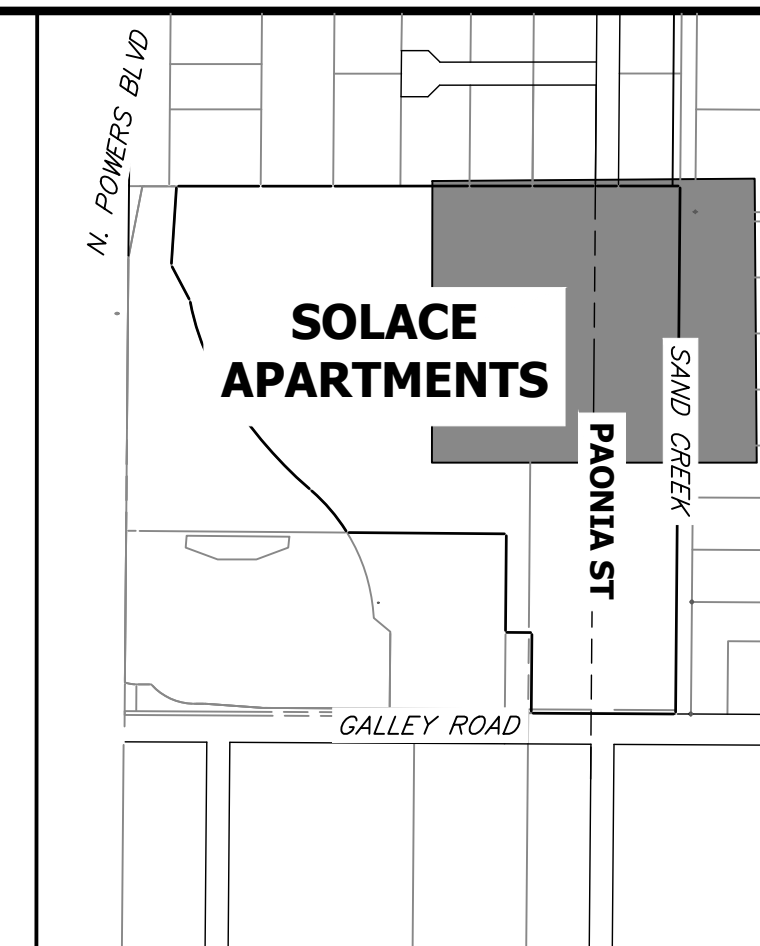
BY	DATE	No.	REVISION	H-SCALE	V-SCALE	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
				1"=40'	NA	11/11/21	CJD	CJD	

PAONIA STREET IMPROVEMENTS

SIGNAGE AND STRIPING PLAN

SHEET 8 OF 10

JOB NO. 25174.00



KEY MAP
SCALE 1"=500'

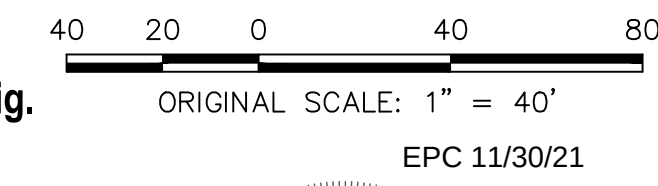
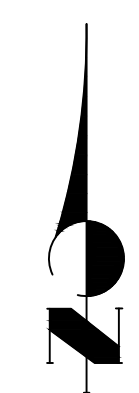
LEGEND

-  PROPOSED SIGN  EXISTING SIGN
 9 CDOT DELINEATOR TYPE I (CRYSTAL)
 8 CDOT DELINEATOR TYPE II (CRYSTAL)
 8 CDOT DELINEATOR TYPE II (YELLOW)
 8 CDOT DELINEATOR TYPE II (YELLOW)
 8 CDOT DELINEATOR TYPE II (YELLOW)
 BACK TO BACK
 EXISTING STRIPE TO REMAIN
 SEE DEMOLITION PLAN FOR
 EX STRIPING REMOVAL
 PROPOSED STRIPE
 TABULATION KEY
 (A) LANE LINE - 4" WIDE X 10' LONG, 30' GAP, WHITE
 EPOXY
 (B) CENTER LINE - 4" WIDE, SOLID DOUBLE YELLOW,
 4" SEPARATION, EPOXY
 (C) CENTER LINE - 4" WIDE, SOLID YELLOW OUTSIDE,
 INSIDE 4" X 10' LONG, 30' GAP, YELLOW
 EPOXY
 (D) CENTER LINE - 4" WIDE, SOLID YELLOW,
 EPOXY
 (E) EDGE LINE - 4" WIDE, SOLID WHITE
 EPOXY
 (F1) CROSSWALK - 18"x10' SOLID WHITE
 PREFORMED THERMO-PLASTIC (MIN. 90 MIL THICKNESS)
 (F2) 18" WIDE CROSSWALK
 PREFORMED THERMOPLASTIC
 (G) LANE DROP LINE - 4" WIDE X 3' LONG, 5' GAP, WHITE
 EPOXY
 (H) STOP BAR - 2'xLANE WIDTH SOLID WHITE
 PREFORMED THERMO-PLASTIC (MIN. 90 MIL THICKNESS)
 SYMBOLS (ARROWS, "ONLY")- SHALL BE PREFORMED
 THERMO-PLASTIC (MIN. 90 MIL THICKNESS)

SIGNAGE TABULATION						
POINT NUMBER	STATION	OFFSET	ALIGNMENT	ELEVATION	NOTES	DESCRIPTION
104	11+88.27	23.50' (RT)	PAONIA ST CL	6268.38		24X30 R2-1



Know what's **below**.
Call before you dig.



ENGINEER'S STATEMENT

PREPARED UNDER MY SUPERVISION

MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINE

32314

11/11/21

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[illegible]

H-SCALE	1"=40'
V-SCALE	NA
DATE	11/11/21
DESIGNED BY	CJD
DRAWN BY	CJD
CHECKED BY	

PAONIA STREET IMPROVEMENTS	SIGNAGE AND STRIPING PLAN
-------------------------------	---------------------------

SHEET	9	OF	10
JOB NO.	25174.00		



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BY	DATE	REVISION	NA	NA	NA	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
						11/11/21	JBP	JBP	

PAONIA STREET
IMPROVEMENTS
DETAILS

SHEET 10 OF 10
JOB NO. 25174.00

EPC 11/30/21

ENGINEER'S STATEMENT

PREPARED UNDER MY SUPERVISION

Mike Bramlett
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING, LLC
DATE 11/11/21

