SOLACE AT CIMARRON HILLS - FILING NO. 1

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

CONSTRUCTION DOCUMENTS

ABE	AC ACRE AD ALGEBRAIC DIFFERNCE AD ALGEBRAIC AND ALGEBRAIC ALGEBRAIC DIFFERNCE AD ALGEBRAIC DIFFERNCE AD ALGEBRAIC ALGEBRAIC DIFFERNCE AD ALGEBRAIC ALGEBRAIC DIFFERNCE ALGEBRAIC DIFFERNCE AD ALGEBRAIC ALGEBRAIC DIFFERNCE ALGEBRAI										
AC AD	ACRE ALGEBRAIC DIFFERENCE	FDP FDR	FINAL DEVELOPMENT PLAN FINAL DRAINAGE REPORT	PL PR	PROPERTY LINE PROPOSED						
AH	AHEAD	FES	FLARED END SECTION	PRC	POINT OF REVERSE CURVATURE						
ARCH	ARCHITECT	FG	FINISHED GRADE	PT	POINT OF TANGENCY						
ASCE	AMERICAN SOCIETY OF CIVIL	FH	FIRE HYDRANT	PV	PLUG VALVE						
1.000	ENGINEERS	FL	FLOWLINE	PVC	POLYVINYL CHLORIDE						
ASS'Y	ASSEMBLY	FIL	FILING	R	RADIUS						
AVŁ	AVENUE	F O	FIBER OPTIC CABLE	RCP	REINFORCED CONCRETE PIPE						
RR	BOX BASE	GB	GRADE BREAK	RD ROW	ROAD						
RK	BACK	GE	GAS EASEMENT	ROW	RIGHT OF WAY						
RIND I	BOTTOM OF BIDE	GIS	GEOGRAPHIC INFORMATION	R I	KIGHT						
BON	BOLIOM OF PIPE	CI.	SISIEM	S = 5 = 5 = 5 = 5 = 5 = 5 = 5 = 5 = 5 =	SUUTH						
BUV	BLOW OFF VALVE	GL	CLODAL DOCUTIONING SYSTEM	SIE	SIEEL CANITADY CEWED						
DL VD	DOLLEVADD	GPS CV	CATE VALVE	SAN	SANTIART SEWER						
DL VD	DOTTOM OF WALL	GV	GATE VALVE	SF CT	SQUARE FEET						
	CLIDD & CLITTED	ПС	HICH DEELECTION COUDLING	ST /	STATION						
$C \times C$	CARL & GUITER	HDDE	HICH DENCITY DOLVETHYLENE	STA	STATION STODM SEWED						
CRIV	CATCH RASIN	HCI	HYDRAIIIC CRADE LIME	2 I IVI	SOLIARE VARD						
CBC	CONCRETE ROY CHILVERT	HOA	HOME OWNERS ASSOCIATION	21 21	SOLIARE YARD INCH						
CDC	COLORADO DEPARTMENT OF	HD	HIGH POINT	TR	THRUST BLOCK						
CDOT	TRANSPORTATION	1 11	INIFT	TRC	TOP BACK OF CURR						
CDS	$CIII - DF - S\Delta C$	İF	IRRIGATION FASEMENT	TRW	TOP BACK OF WALK						
CES	CUBIC FEET PER SECOND	INIT	INTERSECTION	TFI	TELEPHONE						
CI	CENTER LINE	INV	INVERT	TOA	TOP OF ASPHALT						
CLOMR	CONDITIONAL LETTER OF MAP	IRR	IRRIGATION	TOR	TOP OF BOX						
OLOMIN	REVISION	KR	KICK (THRUST) BLOCK	TOC	TOP OF CURB OR CONCRETE						
CLR	CLEAR	İF	LANDSCAPE FASEMENT	TOF	TOP OF FOUNDATION						
CMP	CORRUGATED METAL PIPE	I F	LINEAR FEET	TOP	TOP OF PIPE						
CO	CLEAN OUT	I N	LANF	TW	TOP OF WALL						
CONC	CONCRETE	LOMR	LETTER OF MAP REVISION	TYP	TYPICAL						
CR	CIRCLE	LP	LOW POINT	UDFCD	URBAN DRAINAGE AND FLOOD						
CSP	CORRUGATED STEEL PIPE	LS	LUMP SUM	02.00	CONTROL DISTRICT						
CT	COURT	ĹŤ	LEFT	UE	UTILITY EASEMENT						
CTRB	CONCRETE THRUST REDUCFR	MAX	MAXIMUM	U&DF	UTILITY & DRAINAGE EASFMENT						
–	DI 001/	MDDD	MACTED DEVELOPMENT	1105	LINDEDODOLIND ELECTRIC						

MDDP MASTER DEVELOPMENT

NORTH

DRAINAGE PLAN

OVERHEAD ELECTRIC

OVERHEAD UTILITY

CURVATURE

POINT OF CURVATURE

POINT OF COMPOUND

POINT OF CURB RETURN

PROFESSIONAL ENGINEER

POINT OF INTERSECTION

PRELIMINARY DEVELOPMENT

UNDERGROUND ELECTRIC

VERTICAL POINT OF CURVATURE

VERTICAL POINT OF TANGENCY

VEHICLE TRACKING CONTROL

VITRIFIED CLAY PIPE

VERTICAL POINT OF

INTERSECTION

WATER LINE

WATER MAIN

WTR WATER

YR YEAR

DEPARTMENT

WATER SURFACE

WSE WATER SURFACE ELEVATION



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DETAIL GRADING PLAN

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STORM SEWER PLAN AND PROFILE

POND A PLAN & CROSS SECTIONS

POND B PLAN & CROSS SECTIONS

ROOF DRAIN AND AREA DRAIN PLANS

APPLICANT/OWNER

JACKSON DEARBORN PARTNERS

404 S. WELLS ST. SUITE 400 CHICAGO, IL 60607 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

P~719.528.8300

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

CTL THOMPSON

FIRE PROTECTION DISTRICT

1835 TUSKEGEE PL COLORADO SPRINGS, CO 80915 P~(719) 591-0960

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

J·R ENGINEERING

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. 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.

JENNIFER IRVINE, P.E. COUNTY ENGINEER/ECM ADMINISTRATOR

MIKE A. BRAMLETT, P.E.

COLORADO P.E. 32314

ENGINEER'S STATEMENT

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER 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 MASTE 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

32314

FOR AND ON BEHALF OF JR ENGINEERING

BASIS OF BEARINGS

THE EASTERLY LINE OF LOT 2, POWERS & GALLEY PLAZA FILING NO. 1 RECORDED IN PLAT BOOK A-4 AT PAGE 30, SAID LINE BEING MONUMENTED BY A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 22106" AT THE SOUTH END AND A 1" O.D. PIPE AT THE NORTH END, SAID LINE BEARING NO0°27'47"E AS SHOWN ON SAID PLAT.

BENCHMARK

BLOCK

CUBIC YARD

DIAMETER

DRIVE

EACH

ELEVATION

ELECTRIC

EASEMENT

ESTIMATE

EXISTING

DRC

EGL

ELEC

ESMT

EST EX

DRAINAGE BASIN PLANNING

DESIGN REVIEW COMMITTEE

DRAINAGE EASEMENT

DUCTILE IRON PIPE

DWELLING UNITS

ENERGY GRADE LINE

EDGE OF ASPHALT

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 É. PLATTE AVENUE AND VALLEY STREET, APPROXIMATLEY 80 FEET NORTH OF THE CENTERLINE OF E PLATTE AVENUE. SAID MONUMENT HAVING A PUBLISHED ELEVATION OF 6275.86 FEET, NAVD88.

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR PCD FILE NO. SF2032 FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL ABOVE GROUND AND UNDERGROUND UTILITIES.



OWNER/DEVELOPER STATEMENT

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

DANE OLMSTEAD JACKSON DEARBORN PARTNERS

404 S. WELLS ST. SUITE 400 CHICAGO. IL 60607

ARR(NO.

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SHEET 1 OF **32** JOB NO. **25174.00**

LAYER LINETYPE LEGEND

		<i>EXISTIN</i>	IG	PROPO	OSED
MATCH LINE					
SECTION LINE					
BOUNDARY LINE					
PROPERTY LINE					
EASEMENT LINE					
RIGHT OF WAY					
CENTERLINE					
FENCE		×	×	×	×
GUARDRAIL	— п				
CABLE TV			——— <i>TV</i> ———	TV	TV
ELECTRIC		E	E	——— Е ——	— Е ——
FIBER OPTIC		FO	— — FO — —	———F0——	—— F0 ———
GAS MAIN		G	——————————————————————————————————————	G	G
IRRIGATION MAIN			— — —/RR———	IRR	IRR
OVERHEAD UTILITY		——————————————————————————————————————	— — —ОНU———	OHU	OHU
SANITARY SEWER			s		
STORM DRAIN	10000000				
TELEPHONE		<i>T</i>		—— Т	— т ——
WATER MAIN		W	——— W ———	•	
SWALE/WATERWAY FLOWLINE					
DIVERSION DITCH					
TOP OF SLOPE					
TOE OF SLOPE					ш
100 YEAR FLOODPLAIN			100YR	100\	⁄R ———
5 YEAR HGL					- · · · · <u>- · · · · · · · · · · · · · ·</u>
100 YEAR HGL					

STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS

- 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
- 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 EINGEERI9NG 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 FUGITIVE 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
- 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 OWENER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

UTILITIES LEGEND

	EXISTING	PROPOSED
STORM SEWER		
MANHOLE	(D)	
STORM INLET		₽
AREA INLET — SQUARE		
ANCEN INCEL OGGANG		
FLARED END SECTION	D	
RIPRAP		
SANITARY SEWER		
LINE MARKER	Mkr San ^O	
SERVICE MARKER	<u>s</u>	
CLEAN-OUT	0—	•-
MANHOLE W/ DIRECTIONAL FLOW ARROW	S⊲	•
WATER LINE		
LINE MARKER	Mkr W [○]	
SERVICE MARKER	Ŵ	
FIRE HYDRANT		≪
MANHOLE	W	•
BEND	0	*
BLOW-OFF VALVE	<u>ڳ</u>	! [
WELL	O _{WELL}	●wELL
METER	(•
VALVE	\bowtie	•
REDUCER		-
CROSS	_	+
PLUG W/ THRUST BLOCK	√	•[+ -
TEE		T
AIR & VACUUM VALVE ASSEMBLY		ф
GAS INF		

GAS LINE

MARKER		Mkr G
SERVICE	MARKER	4
METER		Ć
VALVE		\triangleright
PLUG		

DRY UTILITIES CABLE TV MARKER Mkr TV^O CABLE TELEVISION PEDESTAL ELECTRIC MARKER Mkr E[○] ELECTRIC SERVICE MARKER ELECTRICAL PEDESTAL ELECTRICAL METER ELECTRICAL MANHOLE FIBER-OPTIC MARKER Mkr F0[○] IRRIGATION PEDESTAL I TELEPHONE MARKER Mkr T[○] TELEPHONE PEDESTAL TELEPHONE MANHOLE UTILITY POLE GUY ANCHOR

GUY POLE

MONUMENTATION LEGEND

ALUMINUM CAP — FOUND	$ullet_{AC}$
BRASS CAP - FOUND	$ullet_{BC}$
BENCHMARK - FOUND	
CROSS - FOUND	
MONUMENT - SET	0
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	人
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	0
CONTROL/TRAVERSE POINT - SET	\triangle

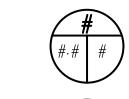
SIGNING AND STRIPING NOTES

- 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
- 3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
- 4. ALL SIGNS SHO9WN ON THE SIGNING AND STRIPING PLANN 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
- 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 SLIPBASE 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-627-1.
- 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
- 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.

DRAINAGE REPORT PLANS

KEY BASIN DESIGNATION (NO COEFFICIENT)





BASIN DESIGNATION (2 COEFFICIENTS)

ANALISYS POINT IDENTIFIER

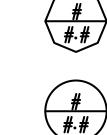


BASIN DESIGNATION (HISTORIC)

BASIN DESIGNATION

(DEVELOPED)

IDENTIFIER



SUB-BASIN DESIGNATION (DEVELOPED)

#.# DRAINAGE PIPE (##)

DRAINAGE POINT IDENTIFIER (HEXAGONAL)

DRAINAGE POINT IDENTIFIER (TRIANGULAR)

SWMM DESIGNATION 1

SWMM DESIGNATION 2

SWMM DESIGNATION 3

SWMM DESIGNATION 4



LANDSCAPE LEGEND

	EXISTING	PROPOSED
REE — CONIFEROUS		**
REE — DECIDUOUS	E 25 E	
HRUB/BUSH		Θ
HRUBS AND BUSHES	{\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	{
RRIGATION BOX	IB	
RRIGATION SPRINKLER		
RRIGATION VALVE	\otimes	
OLLARD	*	

FLAGPOLE

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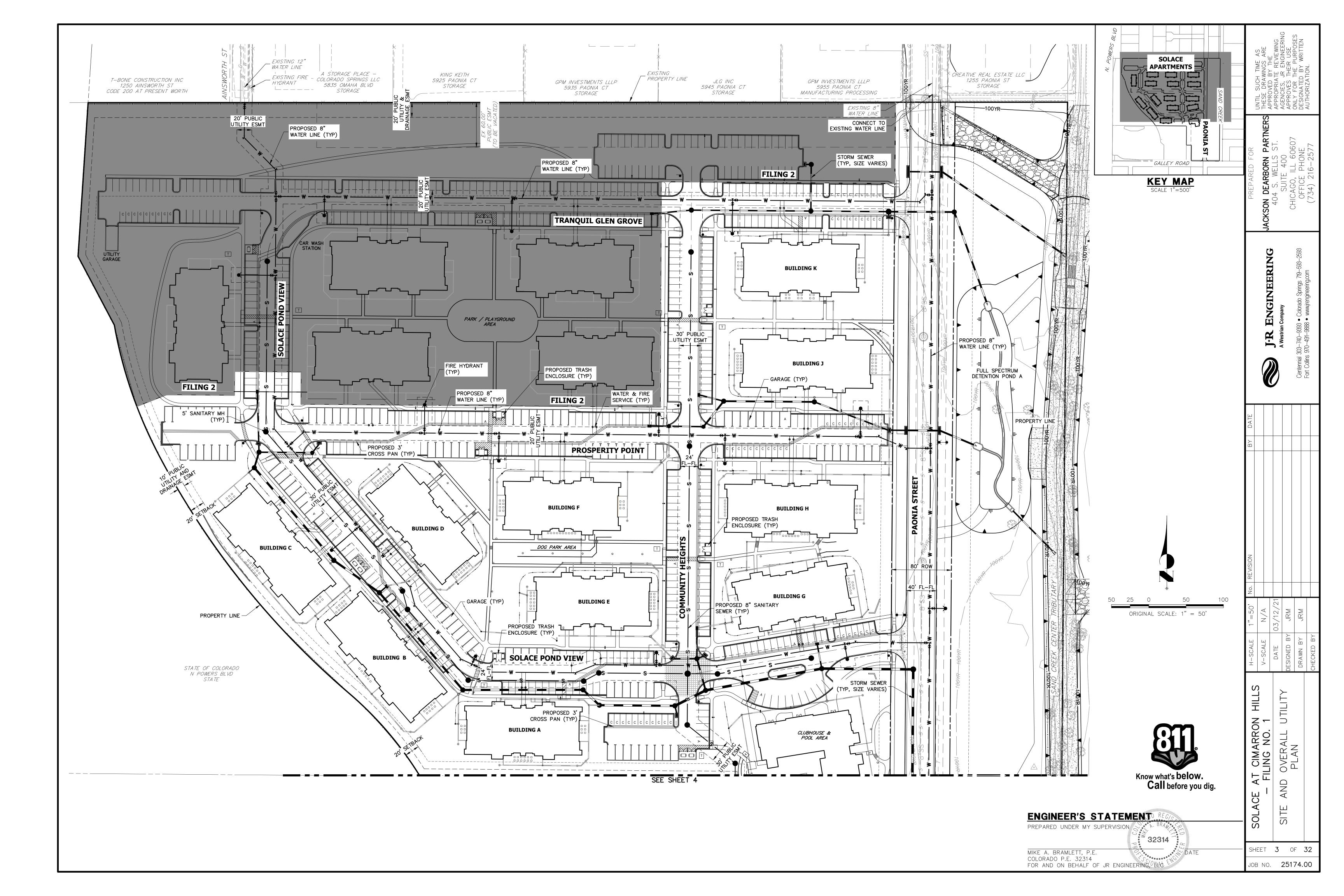
ENGINEER'S STATEMENT PREPARED UNDER MY SUPERVISION 32314 MIKE A. BRAMLETT, P.E. COLORADO P.E. 32314

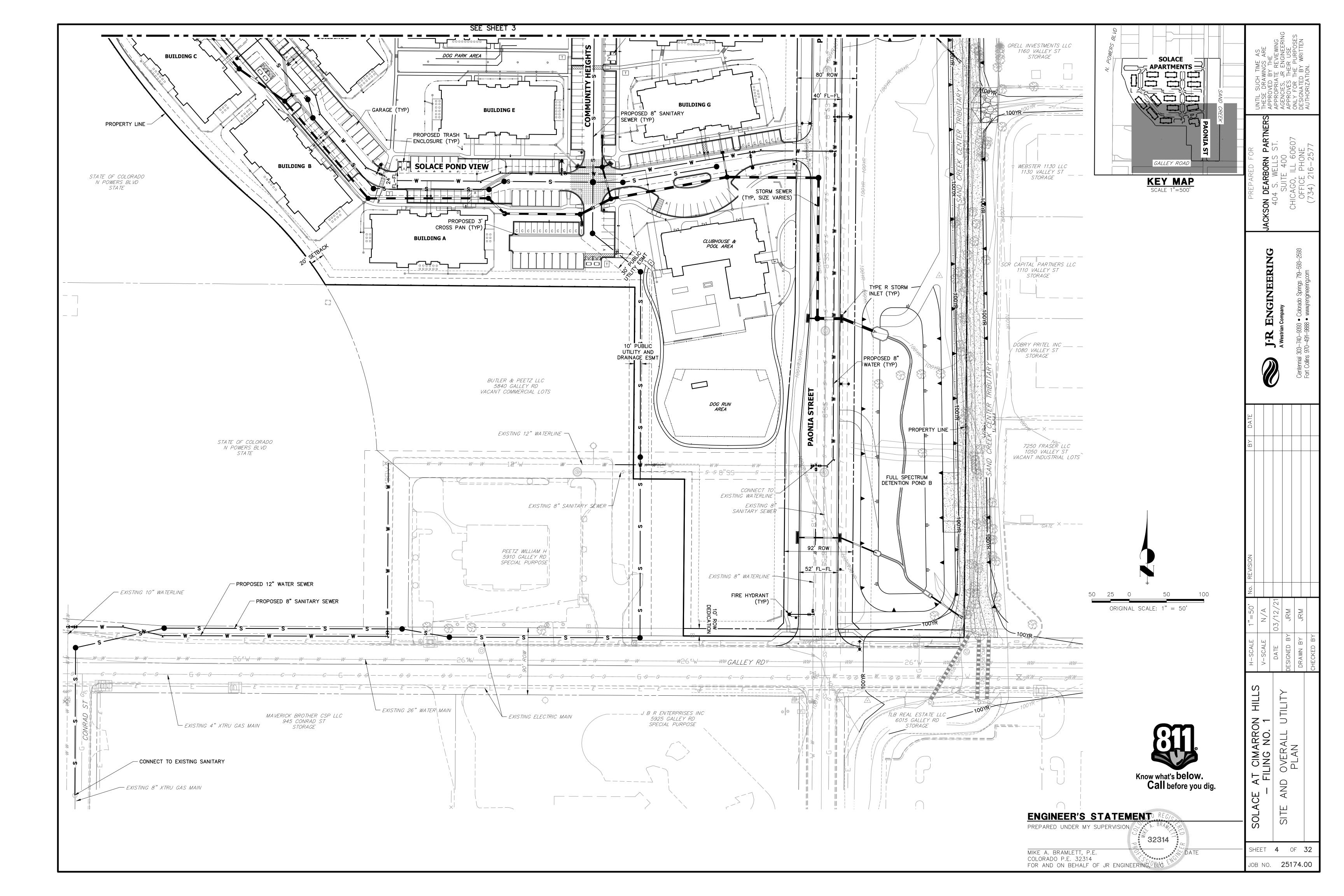
FOR AND ON BEHALF OF JR ENGINEER MG. MAC

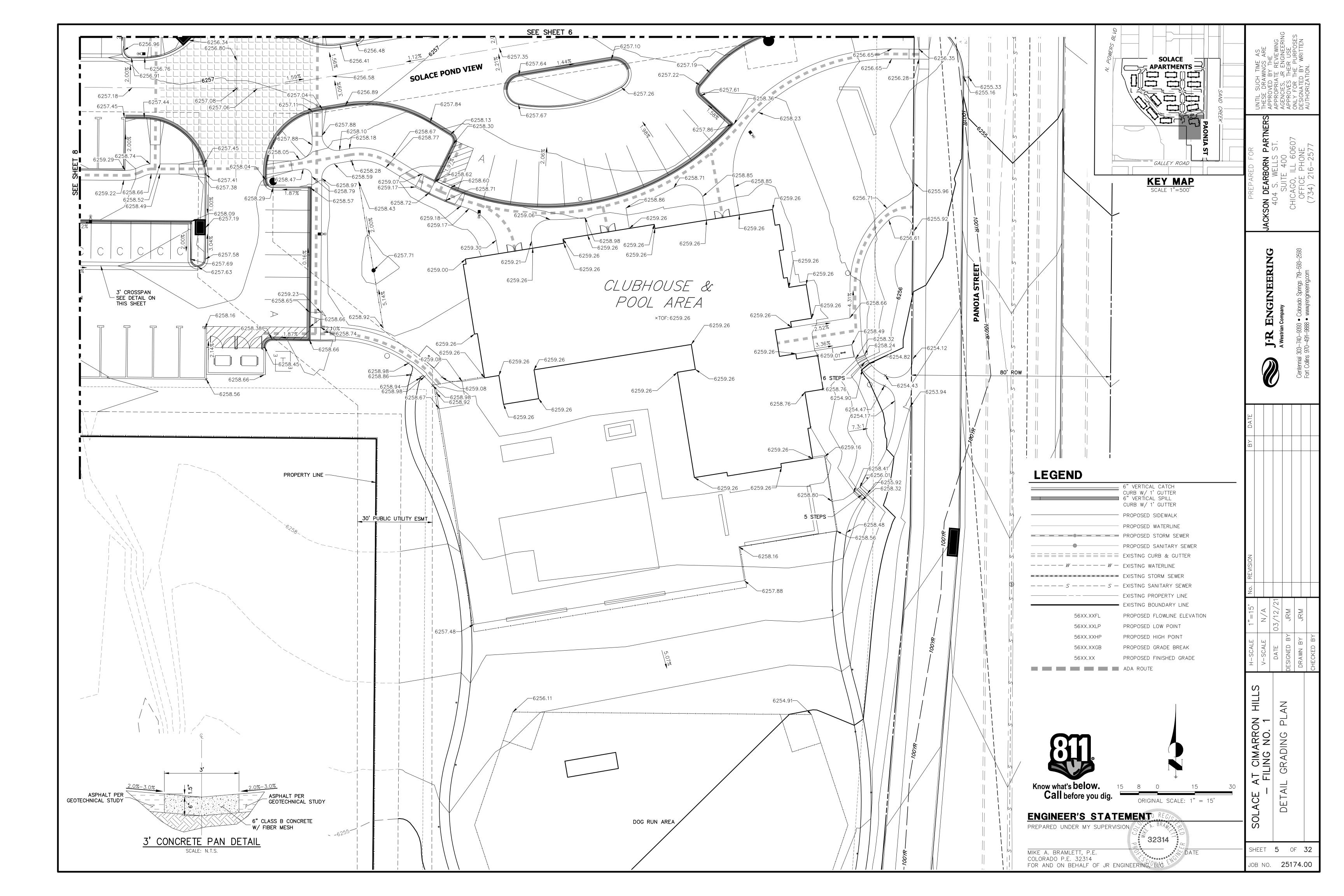
Know what's **below**.

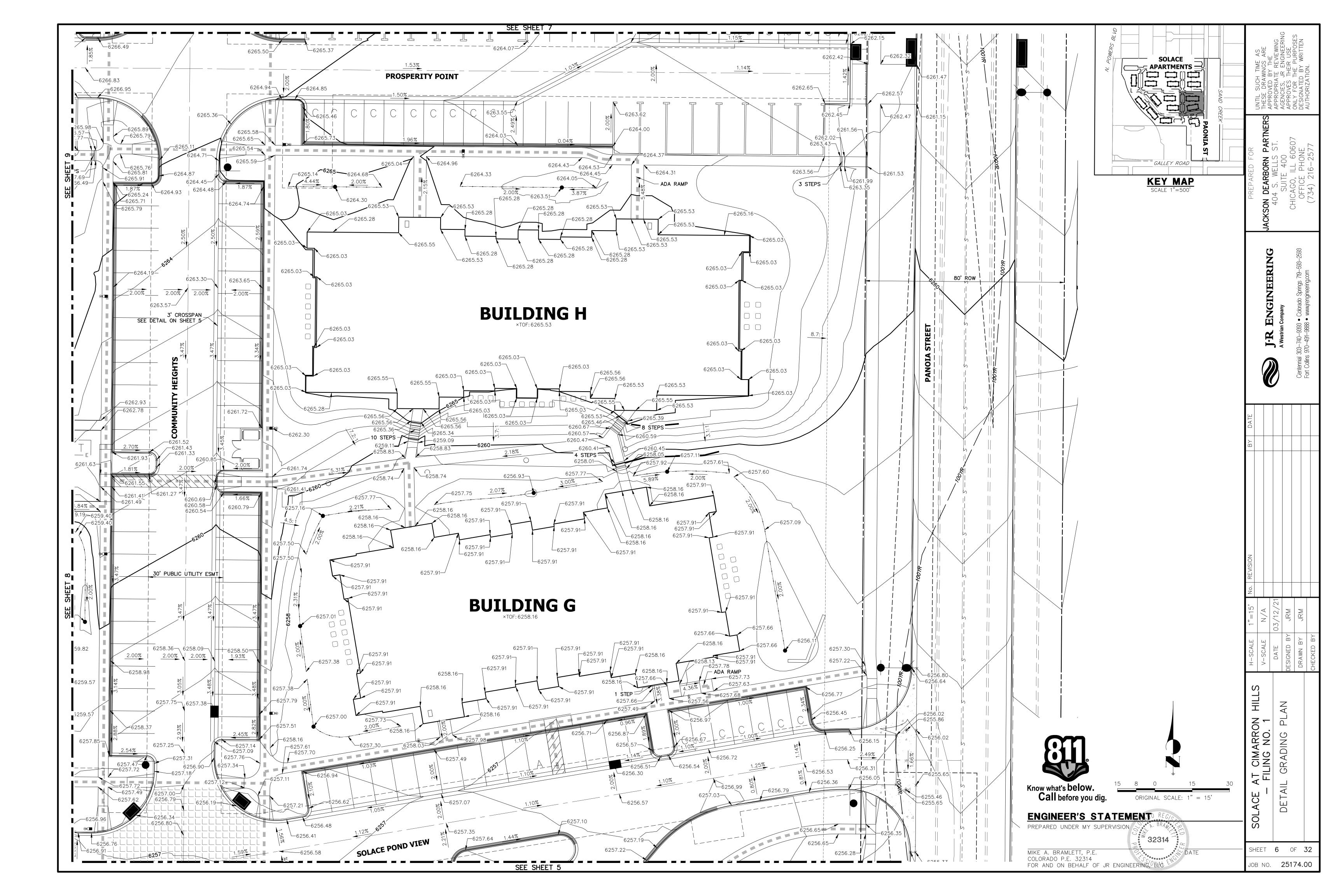
Call before you dig.

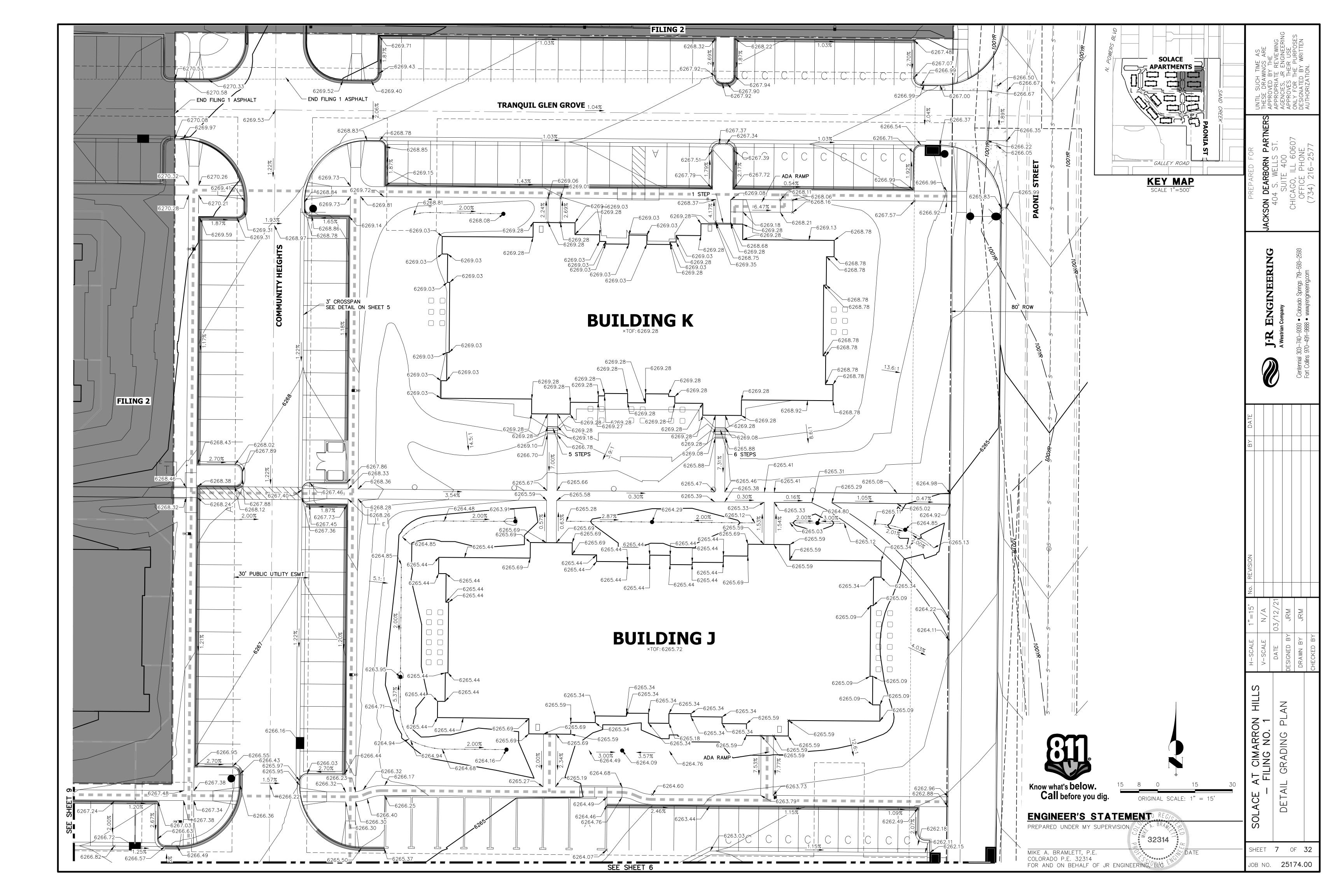
SHEET 2 OF 32 JOB NO. **25174.00**

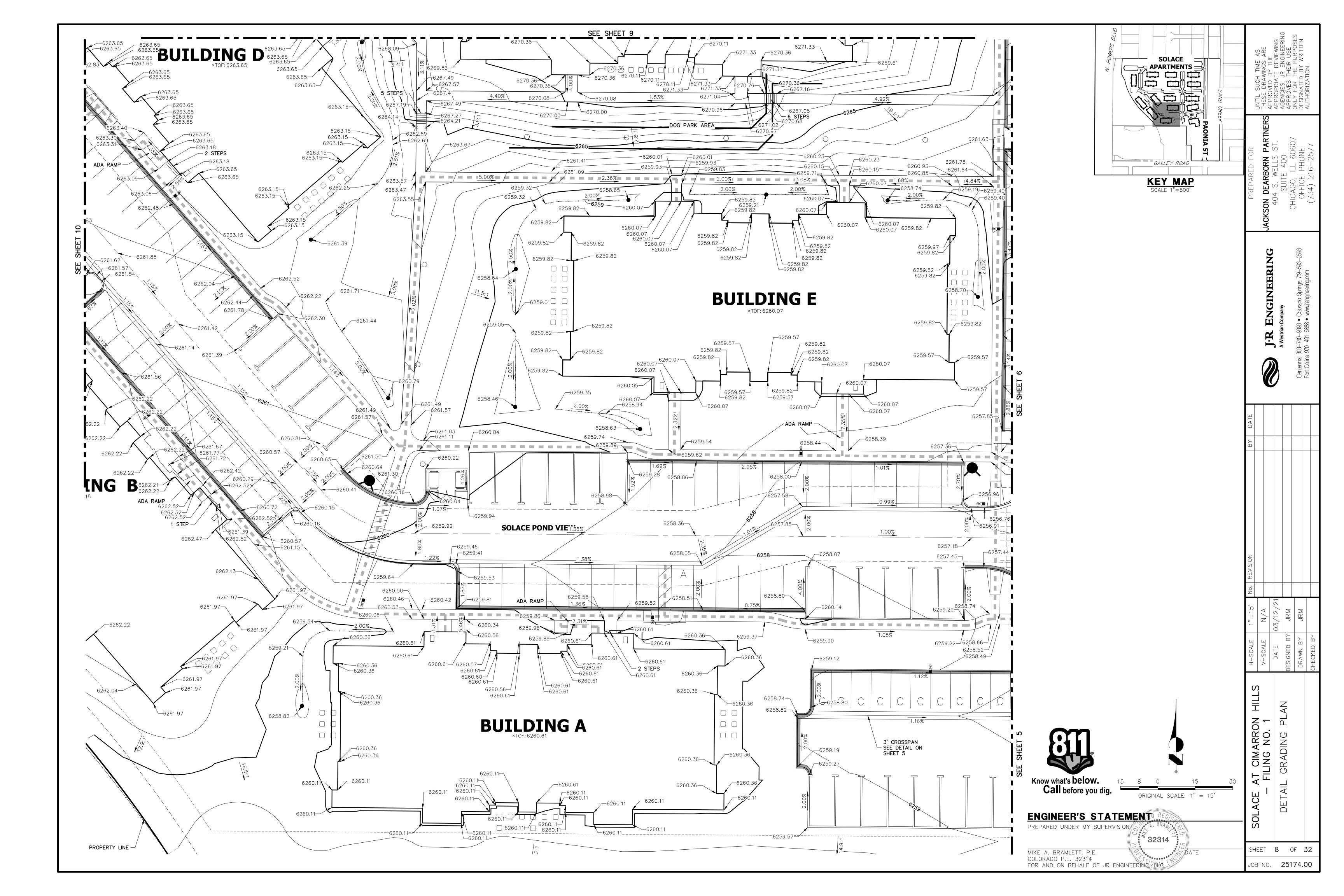


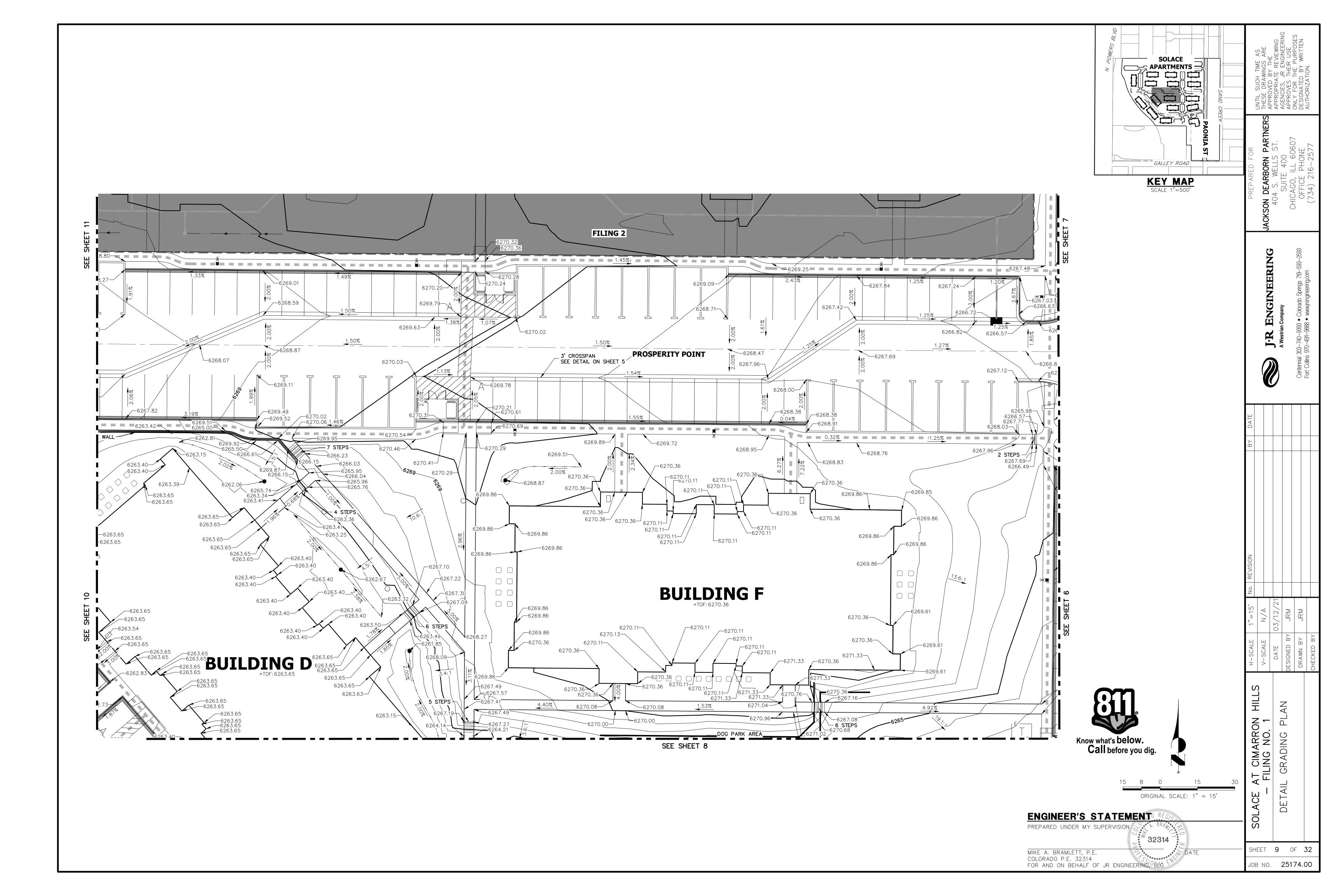


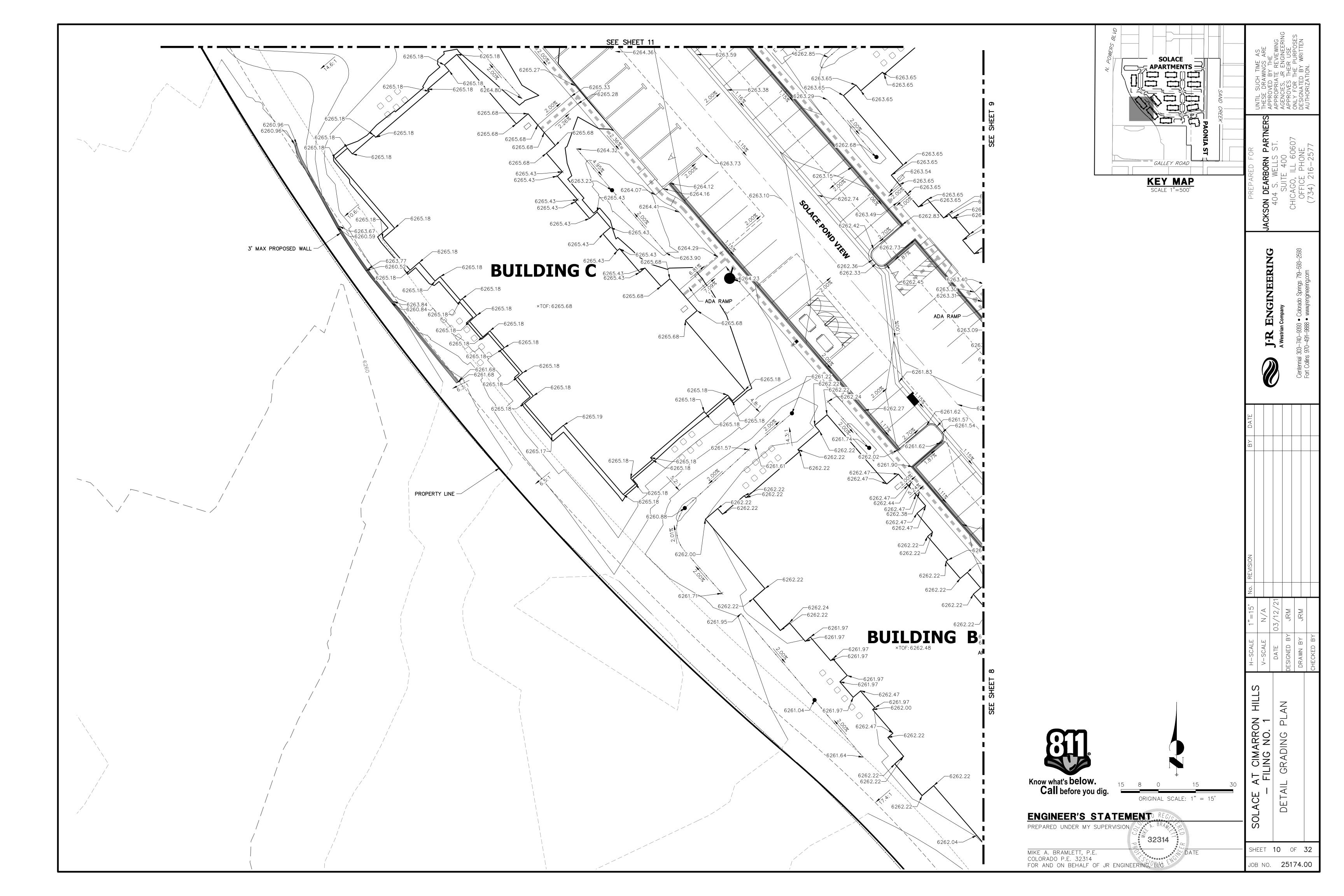


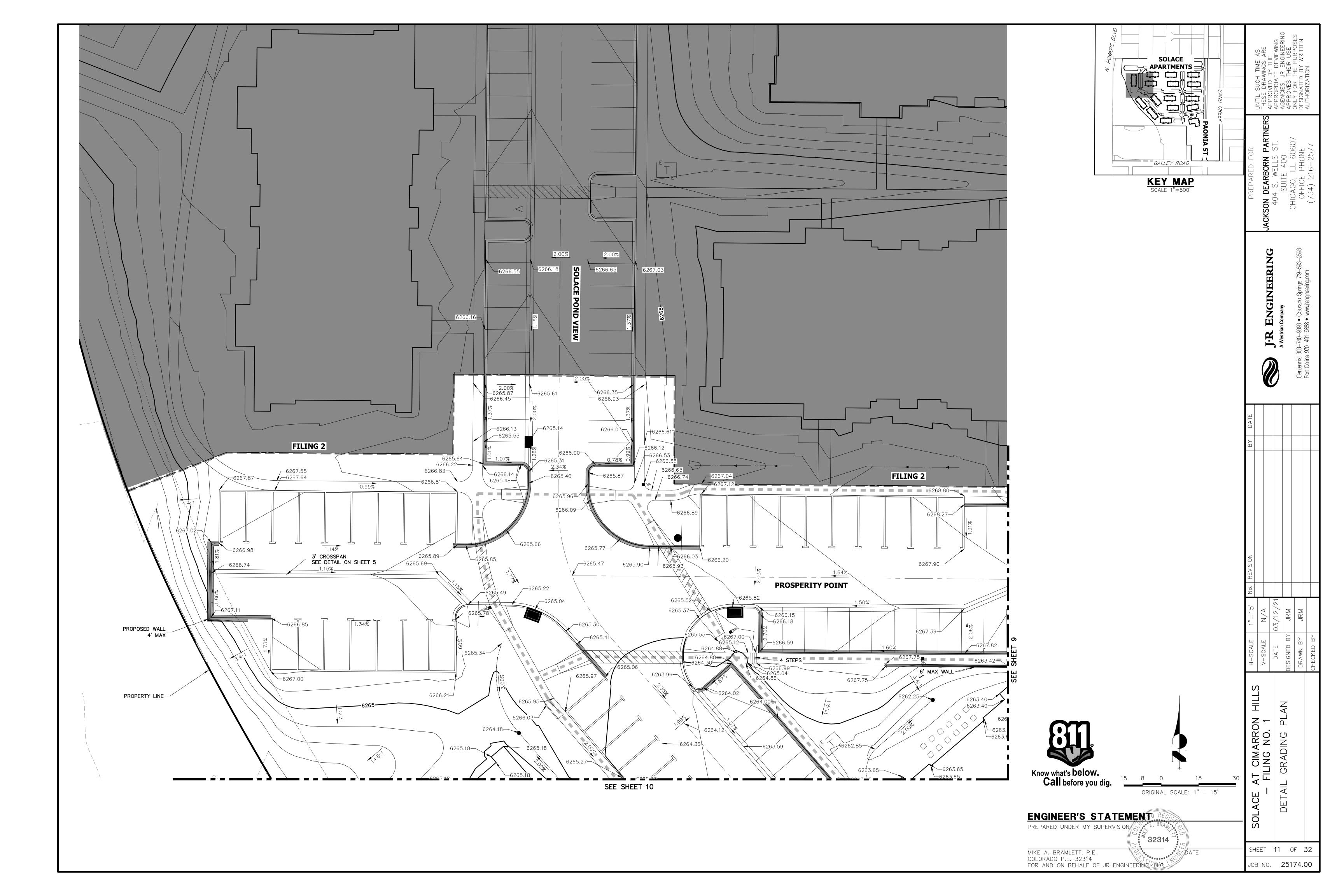


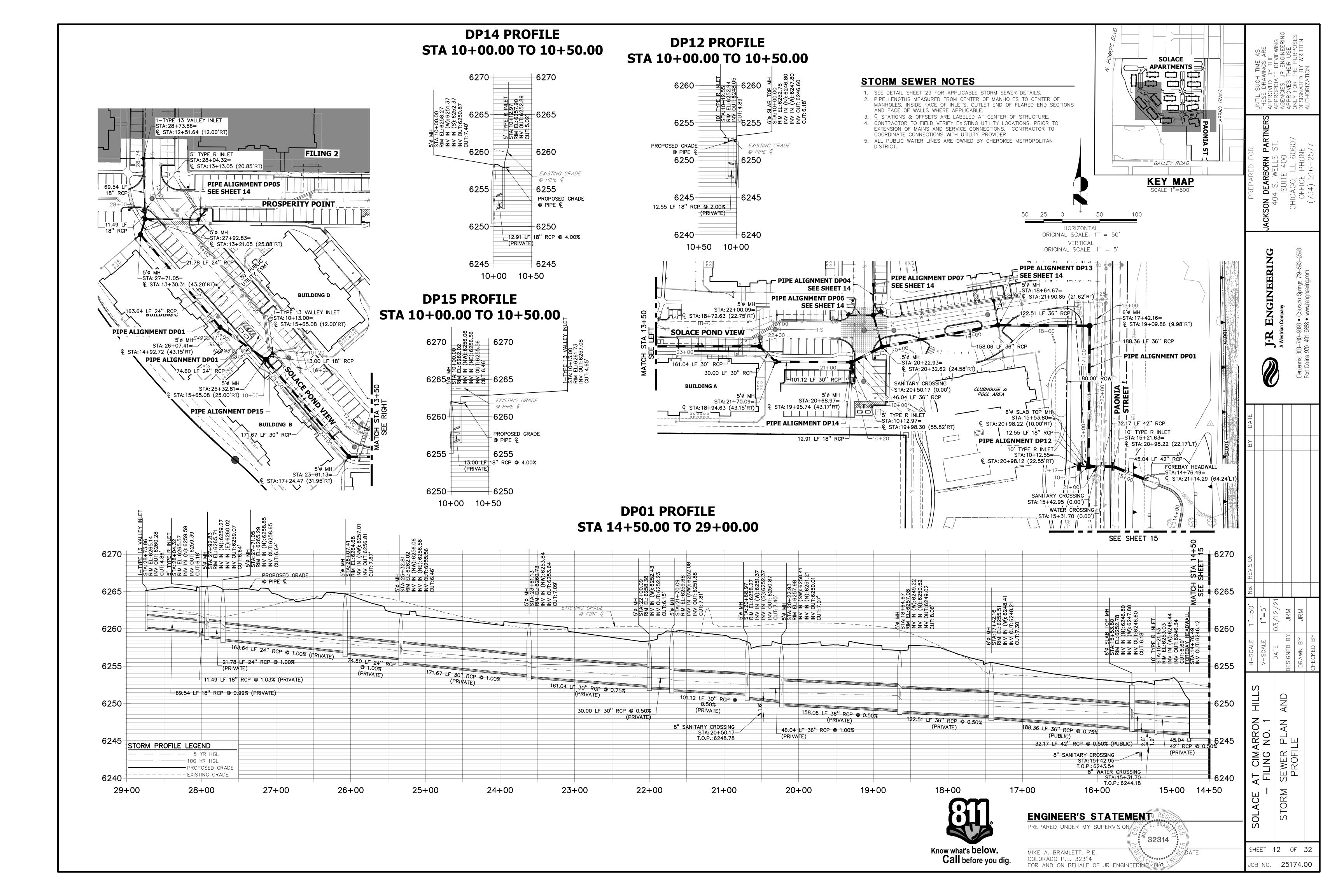


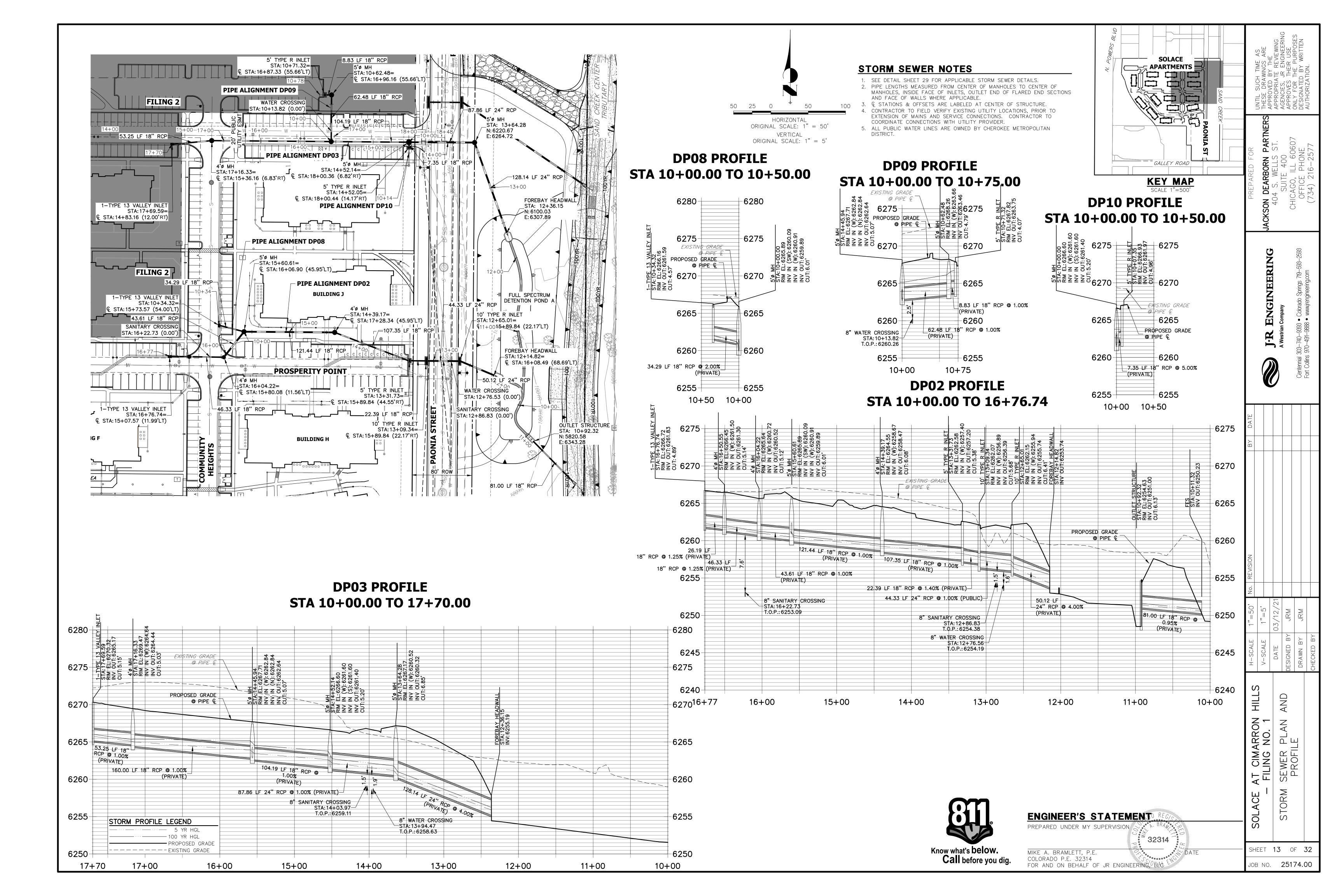


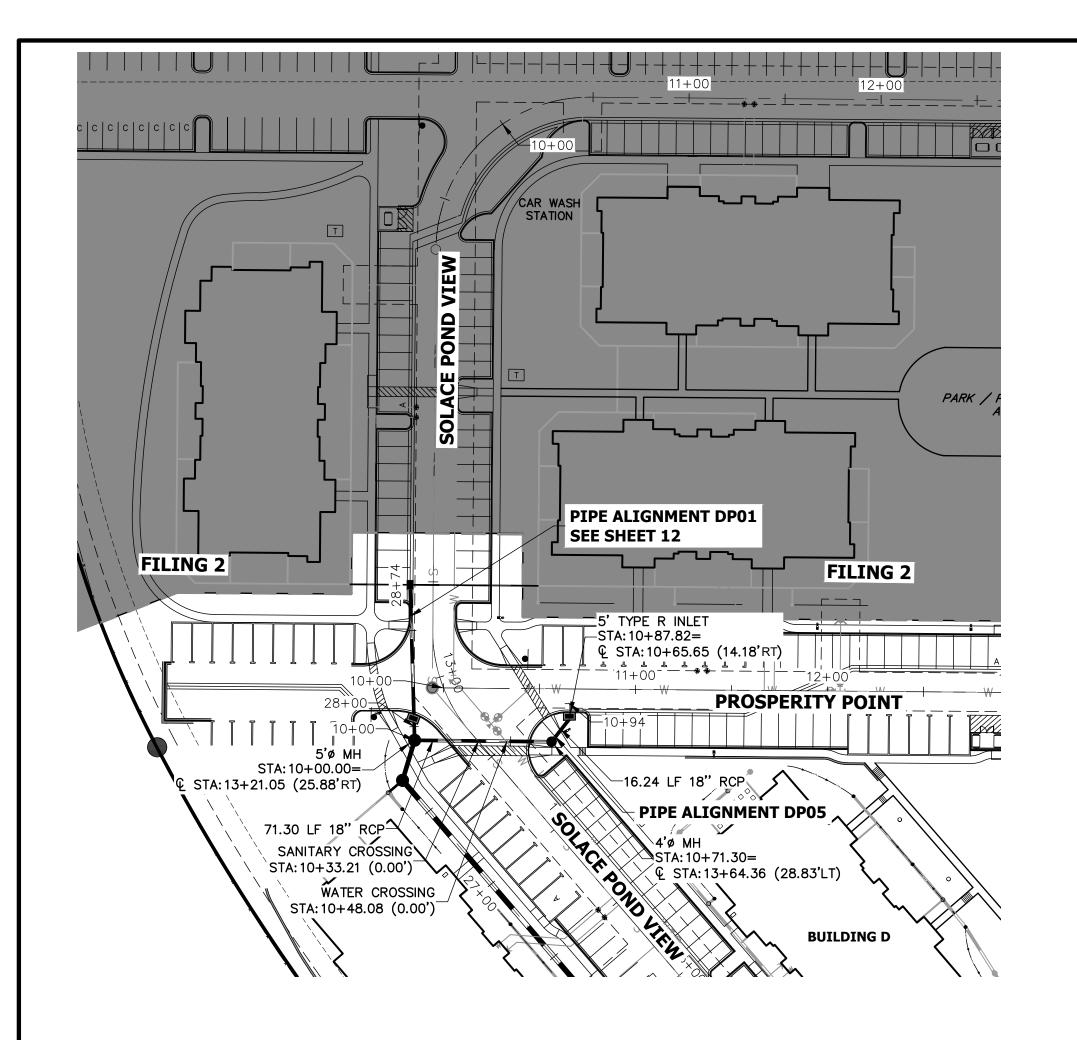




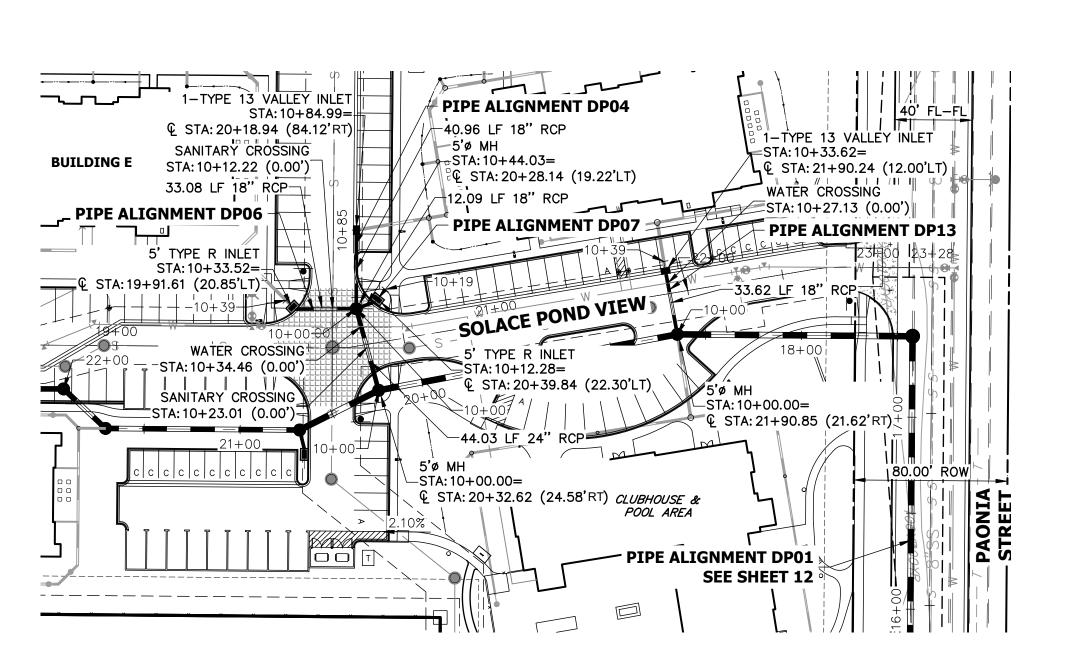


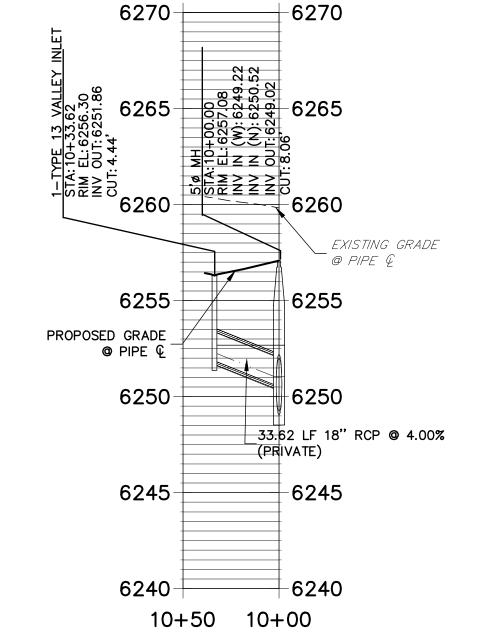


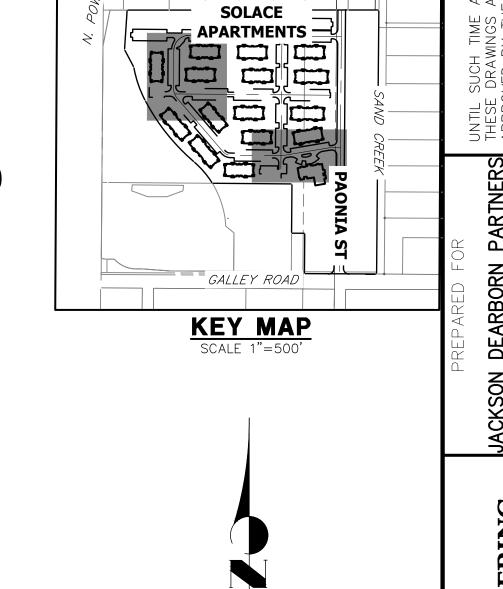




DP13 PROFILE STA 10+00.00 TO 10+50.00

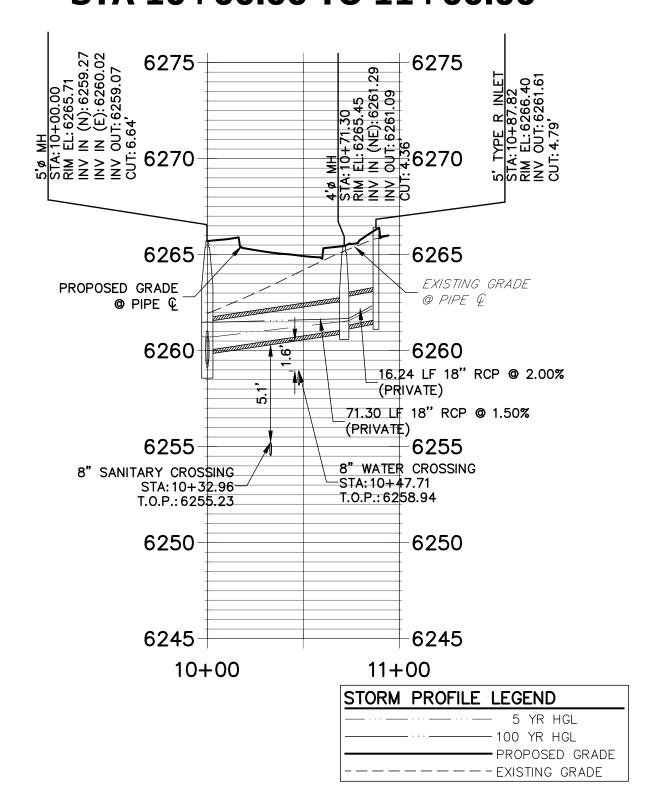




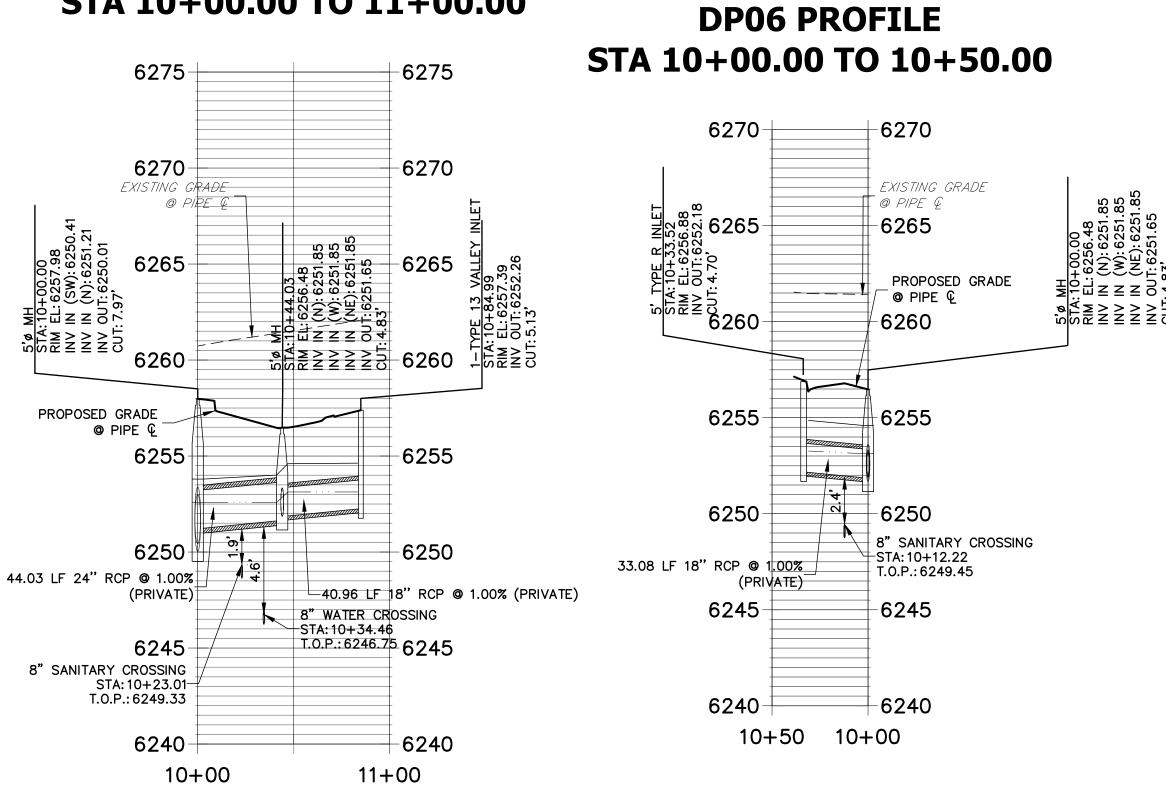


HORIZONTAL
ORIGINAL SCALE: 1" = 50'
VERTICAL
ORIGINAL SCALE: 1" = 5'

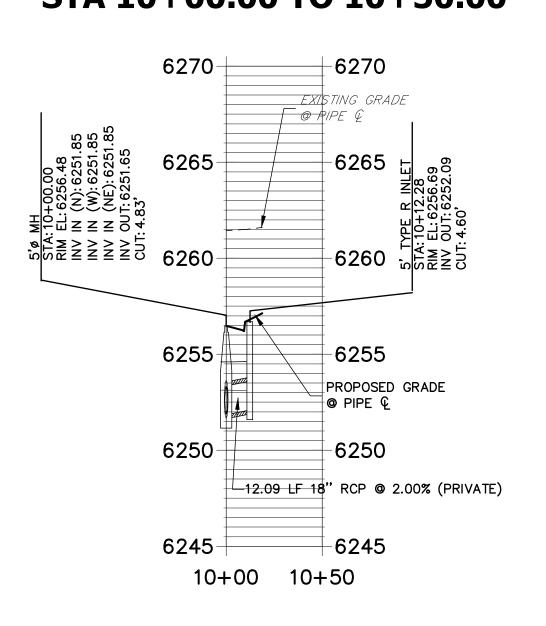
DP05 PROFILE STA 10+00.00 TO 11+00.00



DP04 PROFILE STA 10+00.00 TO 11+00.00



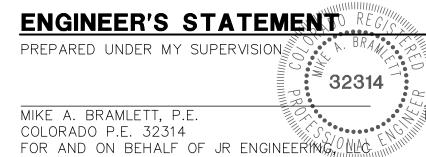
DP07 PROFILE STA 10+00.00 TO 10+50.00



STORM SEWER NOTES

- SEE DETAIL SHEET 29 FOR APPLICABLE STORM SEWER DETAILS.
 PIPE LENGTHS MEASURED FROM CENTER OF MANHOLES TO CENTER OF
- MANHOLES, INSIDE FACE OF INLETS, OUTLET END OF FLARED END SECTIONS AND FACE OF WALLS WHERE APPLICABLE.
- Q STATIONS & OFFSETS ARE LABELED AT CENTER OF STRUCTURE.
 CONTRACTOR TO FIELD VERIFY EXISTING UTILITY LOCATIONS, PRIOR TO EXTENSION OF MAINS AND SERVICE CONNECTIONS. CONTRACTOR TO COORDINATE CONNECTIONS WITH UTILITY PROVIDER.
 ALL PUBLIC WATER LINES ARE OWNED BY CHEROKEE METROPOLITAN



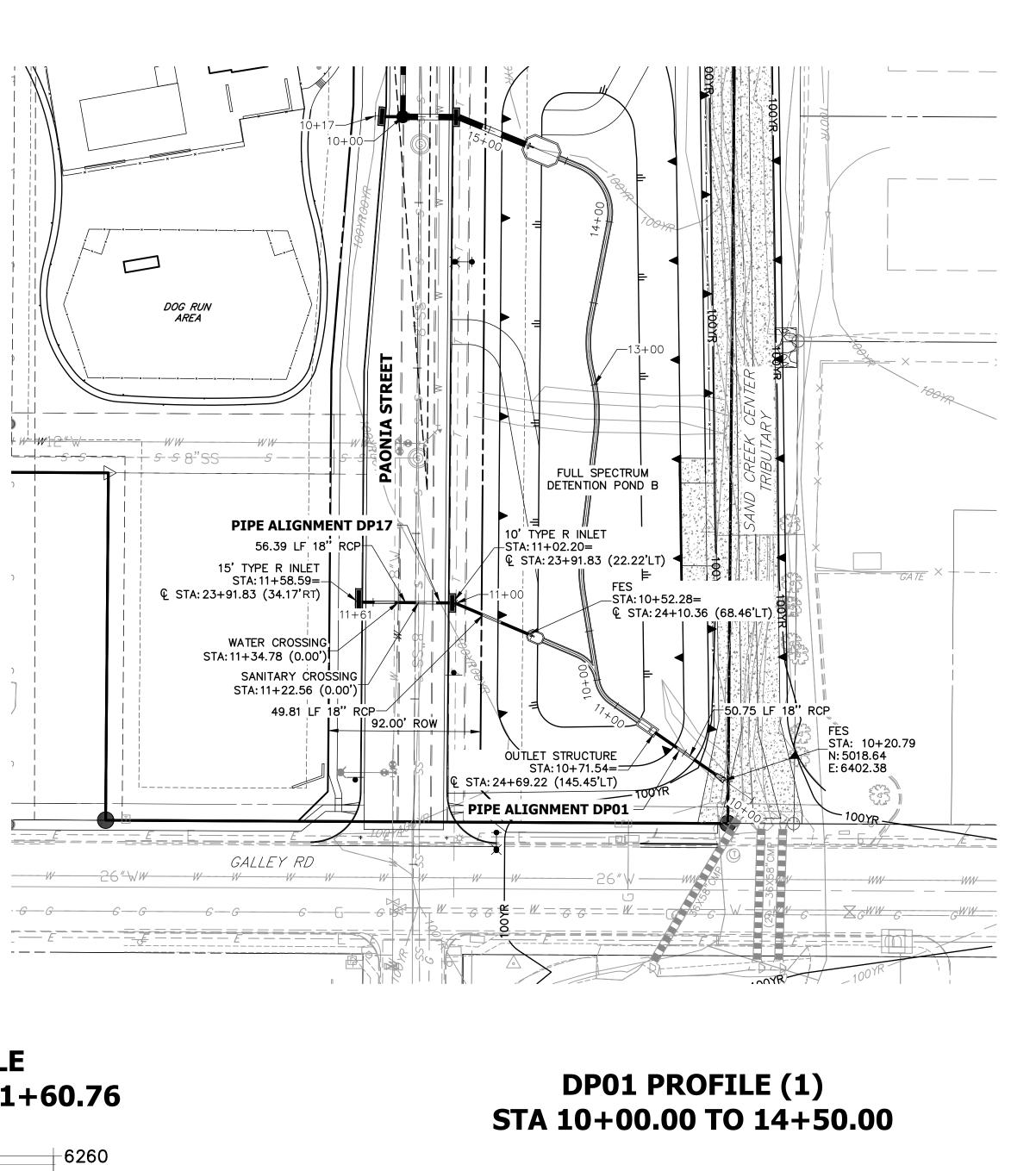


SOLACE AT CIMARRON

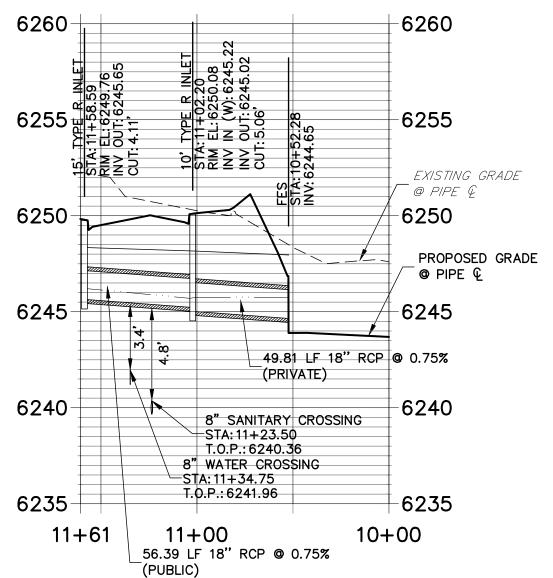
- FILING NO. 1

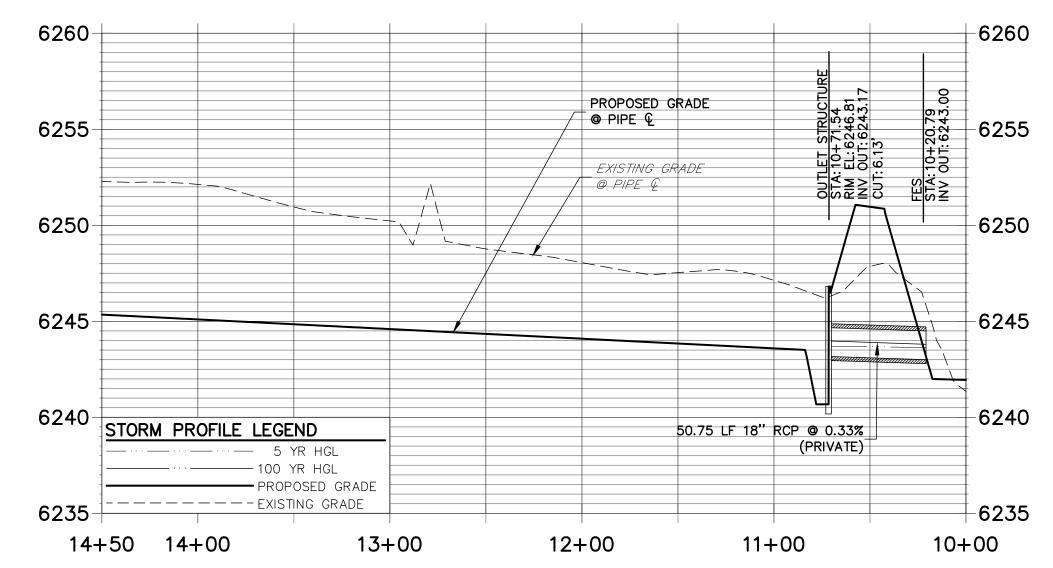
STORM SEWER PLAN
PROFILE

JOB NO. **25174.00**



DP17 PROFILE STA 10+00.00 TO 11+60.76





STORM SEWER NOTES

15' TYPE R INLET FSTA: 12+56.78=

SANITARY CROSSING ¹ STA:12+34.23 (0.01'RT) WATER CROSSING

44.33 LF 18" RCP

NMENT DP10

[•] DP02

6265

6260-

6255-

12+60

√ STA: 12+43.38 (22.17'RT)

STA: 12+24.95 (0.00'RT) 15' TYPE R INLET __STA: 12+12.45=

← § STA: 12+43.38 (22.17'LT) ←

FULL SPECTRUM DETENTION POND A

DP16 PROFILE

STA 10+00.00 TO 12+60.00

8" SANITARY CROSSING STA: 12+24.95 T.O.P.: 6259.64

11+00

8" WATER CROSSING STA: 12+34.23 T.O.P.: 6259.40 44.33 LF 18" RCP @ 1.00%

12+00

- 1. SEE DETAIL SHEET 29 FOR APPLICABLE STORM SEWER DETAILS. 2. PIPE LENGTHS MEASURED FROM CENTER OF MANHOLES TO CENTER OF
- MANHOLES, INSIDE FACE OF INLETS, OUTLET END OF FLARED END SECTIONS AND FACE OF WALLS WHERE APPLICABLE.

PIPE ALIGNMENT DP16

STA: 10+11.02 [⊤]N: 6161.98

E: 6414.18

6275

6270

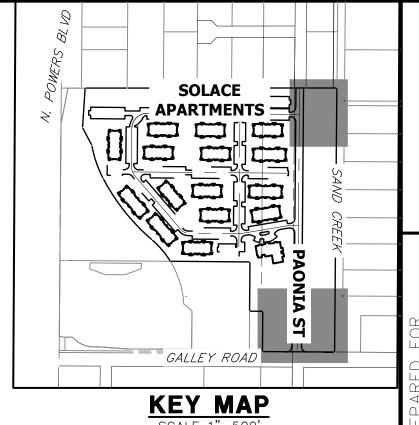
6260

6250

10+00

__201.18 LF 24" RCP @ 2.11%

- 3. Q STATIONS & OFFSETS ARE LABELED AT CENTER OF STRUCTURE. 4. CONTRACTOR TO FIELD VERIFY EXISTING UTILITY LOCATIONS, PRIOR TO EXTENSION OF MAINS AND SERVICE CONNECTIONS. CONTRACTOR TO
- COORDINATE CONNECTIONS WITH UTILITY PROVIDER. 5. ALL PUBLIC WATER LINES ARE OWNED BY CHEROKEE METROPOLITAN



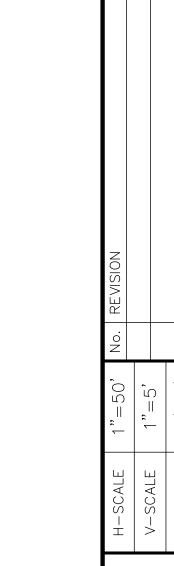


SEWER PL/ PROFILE

 \mathcal{O}

SHEET 15 OF 32

JOB NO. **25174.00**

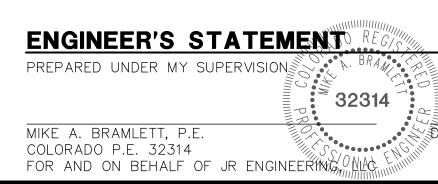


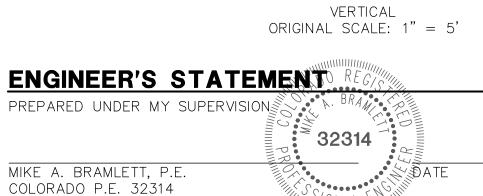
AT CIMARRON FILING NO. 1 HORIZONTAL ORIGINAL SCALE: 1" = 50' ACE



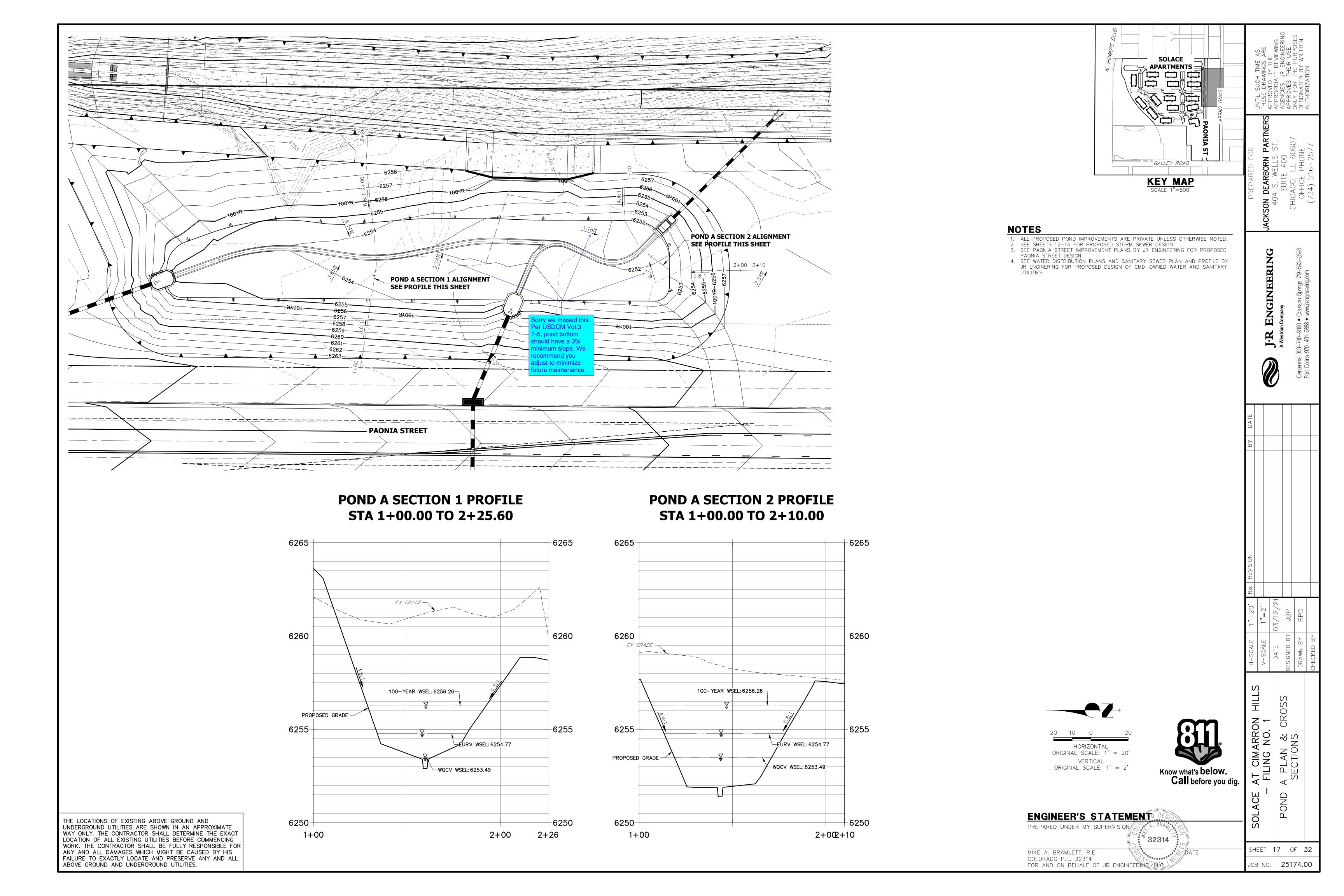
PROPOSED GRADE

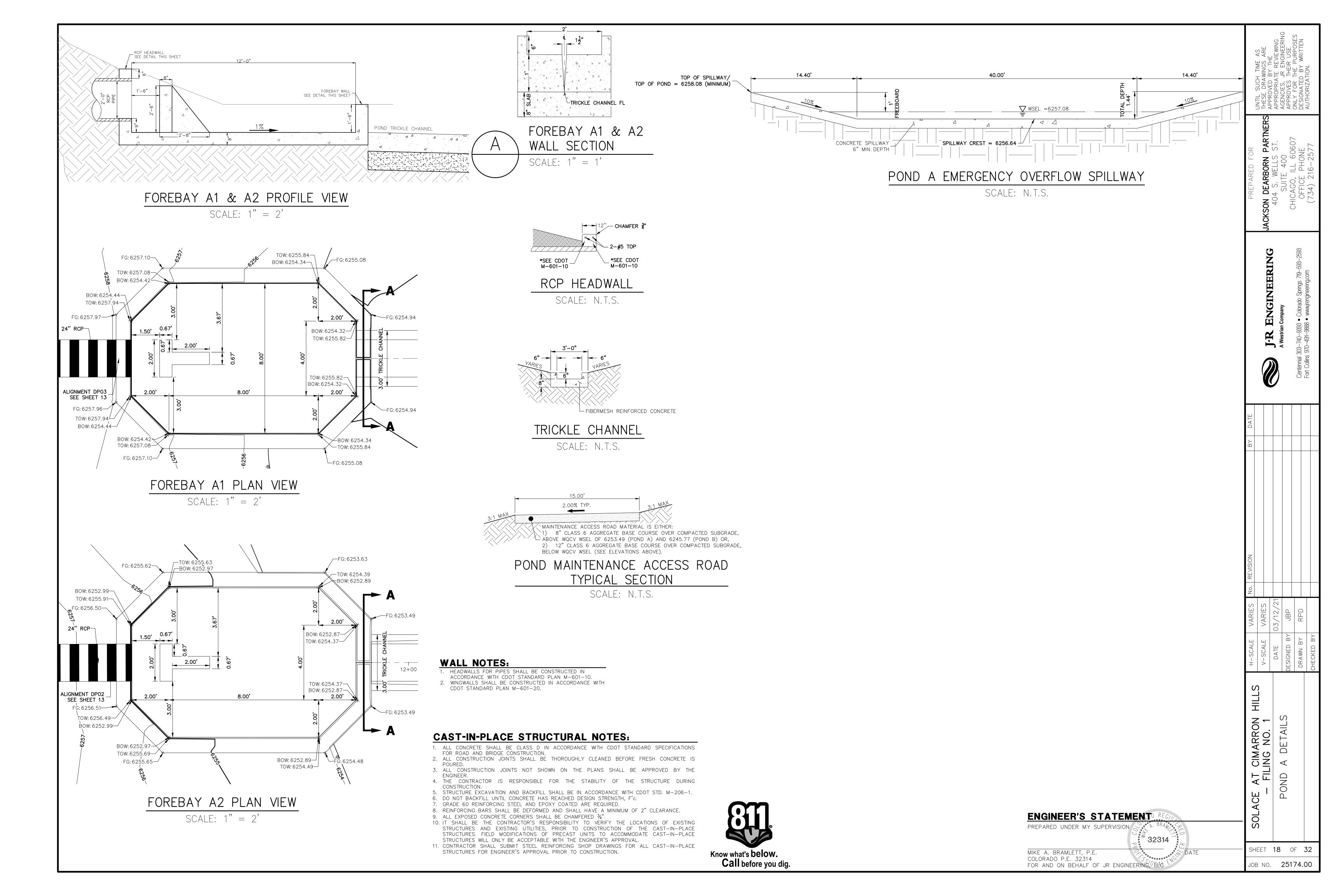
© PIPE ©

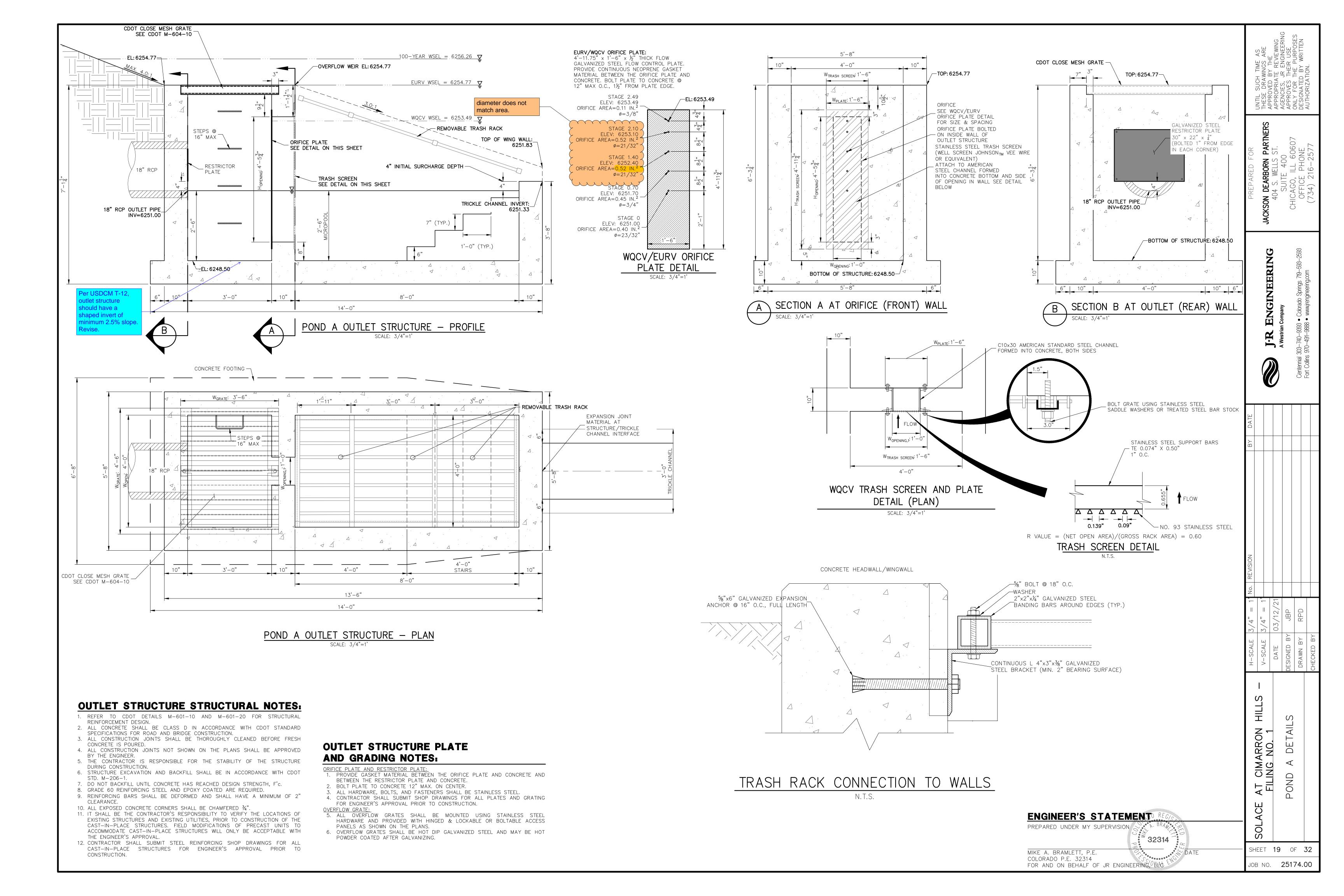


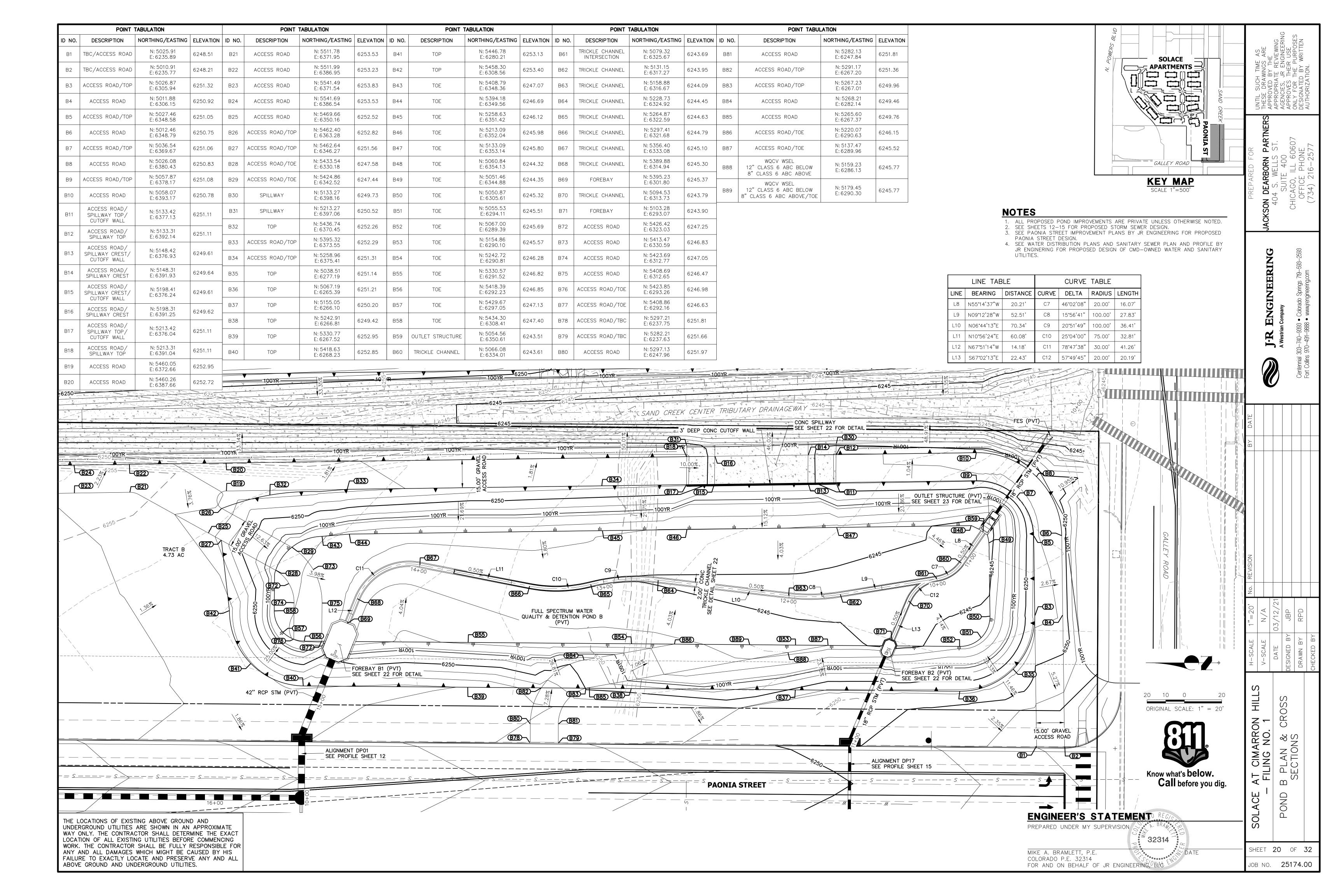


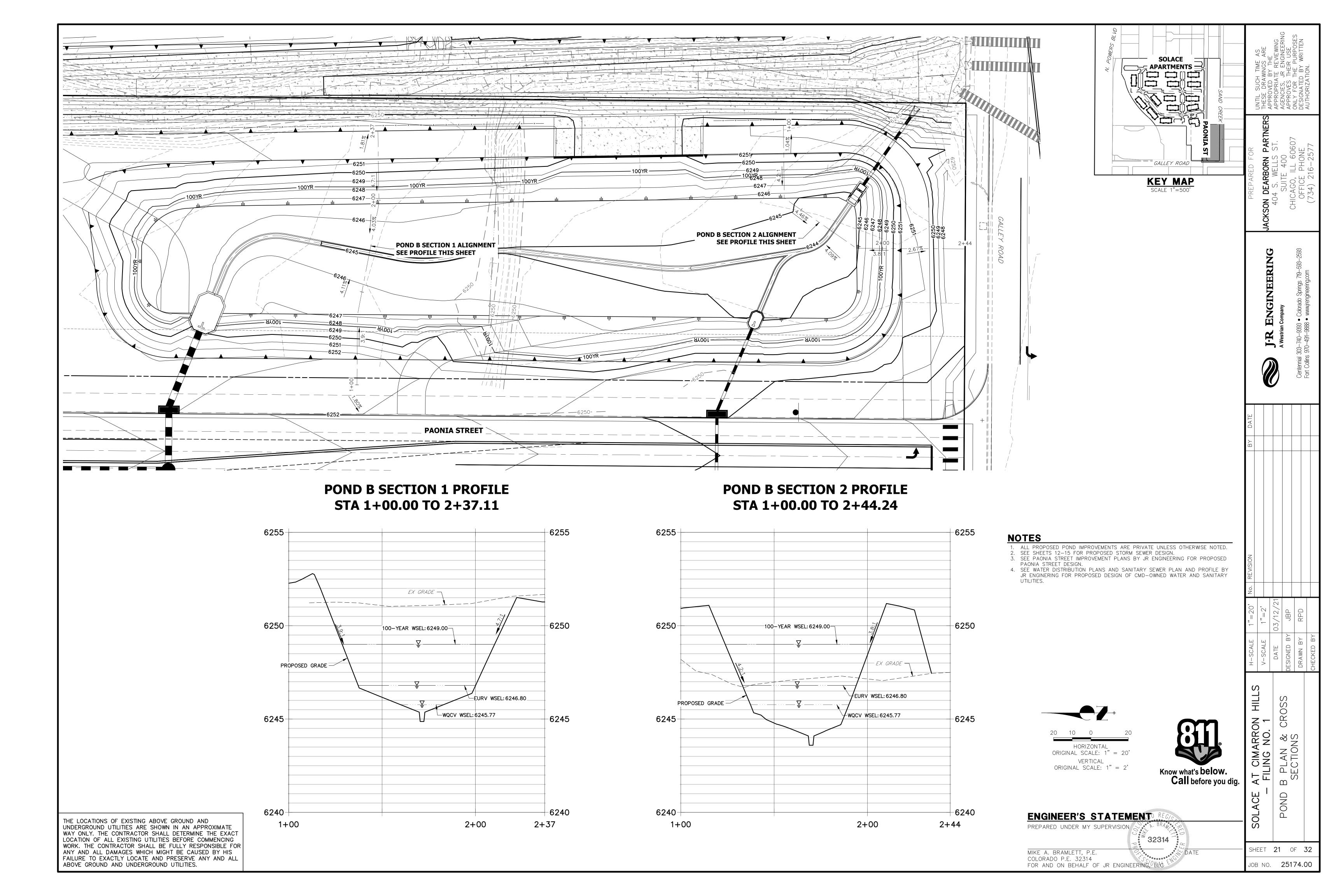
	POINT	T TABULATION			POINT T	ABULATION			POINT	TABULATION			POINT	TABULATION			POINT TAE	BULATION				(0)	
ID NO.	DESCRIPTION	NORTHING/EASTING	G ELEVATION	ID NO. DES	SCRIPTION	NORTHING/EASTING	ELEVATION	ID NO.	DESCRIPTION	NORTHING/EASTIN	NG ELEVATION	ID NO.	DESCRIPTION	NORTHING/EASTING	ELEVATION	ID NO.	DESCRIPTION	NORTHING/EASTIN	NG ELEVATION			E MNG TERING	SSES TEN
A1	ACCESS ROAD/TBG	N: 6309.44 E: 6246.27	6267.94	A21 ACCE SPILL	ESS ROAD/ .WAY CREST	N: 5917.45 E: 6367.96	6256.64	A41	ACCESS ROAD/TOP	N: 5967.71 E: 6371.28	6258.45	A61	TOE	N: 5872.32 E: 6341.93	6252.21	A81	TRICKLE CHANNEL	N: 5961.29 E: 6323.89	6252.67	SOLACE	(გი ⊢
A2	ACCESS ROAD/TBG	N: 6294.44 E: 6246.15	6267.77	A22 ACCE	ESS ROAD/ .WAY CREST	N: 5917.06 E: 6382.97	6256.70	A42	TOP	N: 5840.20 E: 6366.65	6257.57	A62	TOE	N: 5842.39 E: 6341.66	6251.87	A82	TRICKLE CHANNEL	N: 5996.30 E: 6323.09	6253.12	APARTMENTS —	, 	H TIME AS NWINGS AF BY THE NTE REVIE' UR ENGIN THEIR US	H B O N.
A3	ACCESS ROAD	N: 6282.22 E: 6298.56	6269.34	A O Z ACCE	ESS ROAD/	N: 5877.46	6256.64	A43	TOP	N: 5804.97 E: 6351.72	6257.57	A63	TOE	N: 5822.57 E: 6321.50	6252.02	A83	TRICKLE CHANNEL	N: 6014.01 E: 6325.83	6253.35		ī	SUCH DRAW WED E PRIAT	(ES TOR TATED
A4	ACCESS ROAD	N: 6295.07	6269.04	SPILL	.WAY CREST ESS ROAD/	E: 6366.94 N: 5877.08		A44	TOP	N: 5790.61	6257.59	A64	TOE	N: 5822.69	6252.18	A84	TRICKLE CHANNEL	N: 6062.96	6253.98			UNTIL SUCH THESE DRAW APPROVED E APPROPRIAT AGENCIES, J	LY F LY F SIGN THOR
		E: 6306.29 N: 6239.16		SPILL	.WAY CREST	E: 6381.95	6256.64			E: 6316.24 N: 5790.69				E: 6306.50 N: 5825.08				E: 6321.15 N: 6088.73					A D E
A5	ACCESS ROAD	E: 6370.19 N: 6252.02	6270.00	A25 SPILL	ESS ROAD/ _WAY TOP/ FOFF WALL	N: 5863.05 E: 6367.14	6258.08	A45	ТОР	E: 6306.24 N: 5802.64	6257.58	A65	TOE	E: 6300.86 N: 5830.39	6252.23	A85	FOREBAY	E: 6311.93 N: 5896.39	6254.32			ERS	
A6	ACCESS ROAD	E: 6377.92	6269.70	A A ACCE	ESS ROAD/	N: 5862.67	6258.08	_ A46	TOP	E: 6278.05	6257.35	A66	ACCESS ROAD/TOE	E: 6298.57	6252.26	A86	TRICKLE CHANNEL	E: 6320.31	6252.44			AT .	
A7	ACCESS ROAD	N: 6206.86 E: 6387.08	6267.48	SPIL	LWAY TOP	E: 6382.14 N: 5791.32		A47	TOP	N: 5831.01 E: 6266.57	6260.28	A67	TOE	N: 5894.09 E: 6299.08	6253.62	A87	FOREBAY	N: 5903.89 E: 6302.70	6252.87		, C	PA 0	306(NE 1577
А8	ACCESS ROAD	N: 6205.87 E: 6402.05	6267.18		CESS ROAD	E: 6368.12 N: 5791.53	6256.70	A48	TOP	N: 5894.35 E: 6267.08	6261.30	A68	TOE	N: 5957.42 E: 6299.59	6253.84	A88	ACCESS ROAD/TBC	N: 5797.94 E: 6241.80	6259.56	GALLEY ROAD		ORN ELL 9	11 PP
A9	ACCESS ROAD/TOP	N: 6141.31 E: 6382.75	6261.90	A28 ACC	ESS ROAD	E: 6383.12	6256.53	A49	TOP	N: 5957.68 E: 6267.59	6262.56	A69	TOE	N: 6020.76 E: 6300.10	6254.71	A89	ACCESS ROAD/TBC	N: 5782.76 E: 6241.68	6259.26	KEY MAP	- ARE	ARB 5. ₩ JITE	,0,1 CE) 21
A10	ACCESS ROAD	N: 6140.32 E: 6397.72	6261.60	A29 CONC	CUTOFF WALL	N: 5924.69 E: 6366.62	6257.08	A50	TOP	N: 6021.01 E: 6268.10	6263.68	A70	TOE	N: 6084.09 E: 6300.61	6255.63	A90	ACCESS ROAD	N: 5800.62 E: 6259.92	6259.90	NOTES SCALE 1"=500") 7 1	DE, 90	CAG 0FFI 734)
A11	TOP	N: 6123.75	6262.86	A30 CONC	CUTOFF WALL	N: 5917.53 E: 6364.82	6256.18	A51	TOP	N: 6084.35	6264.63	A71	TOE	N: 6089.73	6255.61	A91	ACCESS ROAD	N: 5785.78	6259.52	1. ALL PROPOSED POND IMPROVEMENTS ARE PRIVATE UNLESS OTHERWISE NOTED. 2. SEE SHEETS 12—15 FOR PROPOSED STORM SEWER DESIGN.		SON SON	
A12	TOP	E: 6321.23 N: 6140.95	6263.03	A31 CONC	CUTOFF WALL	N: 5877.54 E: 6363.79	6256.18	A52	TOP	E: 6268.62 N: 6112.54		A72	TOE	E: 6303.00 N: 6091.96		A92	ACCESS ROAD/TOP	E: 6262.12 N: 5805.60		3. SEE PAONIA STREET IMPROVEMENT PLANS BY JR ENGINEERING FOR PROPOSED PAONIA STREET DESIGN.		ACK	
		E: 6356.46 N: 6083.63		A32 CONC	CUTOFF WALL	N: 5870.30 E: 6365.51	6257.14			E: 6280.56 N: 6123.99	6263.21			E: 6316.26 N: 6089.19			, 	E: 6275.42 N: 5795.40	6257.62	4. SEE WATER DISTRIBUTION PLANS AND SANITARY SEWER PLAN AND PROFILE BY JR ENGINERING FOR PROPOSED DESIGN OF CMD—OWNED WATER AND SANITARY UTILITIES.			
A13	ACCESS ROAD/TO	E: 6329.58	6255.58	A33 SI	PILLWAY	N: 5862.52	6254.82	A53	TOP	E: 6310.25	6263.54	A73	TOE	E: 6324.83	6255.54	A93	ACCESS ROAD/TOP	E: 6287.73	6256.54			לט	869
A14	ACCESS ROAD/TO	N: 6068.02 E: 6335.27	6255.19			E: 6388.03 N: 5876.92		A54	TOP	N: 6123.57 E: 6316.42	6263.15	A74	OUTLET STRUCTURE	N: 5829.64 E: 6334.38	6251.33	A94	ACCESS ROAD/TOE	N: 5822.65 E: 6311.52	6252.12	LINE TABLE CURVE TABLE		Ž	593–25
A15	ACCESS ROAD/TOP	N: 6101.17 E: 6380.10	6260.97		PILLWAY	E: 6387.95 N: 5916.91	6254.89	A55	TOE	N: 6053.91 E: 6339.33	6255.16	A75	TRICKLE CHANNEL	N: 5839.12 E: 6325.05	6251.40		WQCV WSEL 2" CLASS 6 ABC BELOW	N: 5823.36 E: 6294.85	6253.49	LINE BEARING DISTANCE CURVE DELTA RADIUS LENGTH L1 N44°30′51″W 13.30′ C1 69°32′18″ 20.00′ 24.27′		ER	; 719—E 3.com
A16	ACCESS ROAD	N: 6100.19 E: 6395.07	6260.67	A35 SI	PILLWAY	E: 6388.98	6255.28	A56	TOE	N: 6012.43 E: 6340.76	6254.59	A76	TRICKLE CHANNEL	N: 5861.60 E: 6321.19	6251.52		B" CLASS 6 ABC ABOVE WQCV WSEL			L2 N25°01'27"E 15.54' C2 22°43'37" 20.00' 7.93'		Ä	Springs ineerin
A17	ACCESS ROAD	N: 6012.06 E: 6374.21	6259.48	A36 SI	PILLWAY	N: 5931.30 E: 6389.57	6255.58	A57	TOE	N: 5989.23 E: 6340.05	6254.33	A77	TRICKLE CHANNEL INTERSECTION	N: 5876.29 E: 6328.05	6251.61		2" CLASS 6 ABC BELOW B" CLASS 6 ABC ABOVE	N: 5812.97 E: 6305.95	6253.49	L3 N02°17′50″E 29.31′ C3 13°41′35″ 100.00′ 23.90′		GII	orado (wjreng
A18	ACCESS ROAD	N: 6011.07	6259.22	A37 ACCES	S ROAD/TOP	N: 6154.20 E: 6383.60	6263.00	A58	TOE	N: 5965.33	6253.91	A78		N: 5883.34	6251.67					L4 N11°23'45"W 25.39' C4 20°10'25" 100.00' 35.21'		Compa	
	ACCESS ROAD/	E: 6389.18		A38 ACCES	S ROAD/TOP	N: 6086.43 E: 6379.13	6260.82	Δ59	TOE	E: 6342.10 N: 5948.88	6253.57		TRICKLE CHANNEL	E: 6329.62 N: 5912.62	6252.04					L5 N08°46'40"E 17.92' C5 28°27'59" 100.00' 49.68' L6 N19°41'19"W 27.37' C6 92°03'40" 15.00' 24.10'		R I	9393 19888
A19	SPILLWAY TOP/ CUTOFF WALL	N: 5931.83 E: 6368.92	6258.08	A39 ACCES	S ROAD/TOP	N: 6060.71 E: 6377.43	6260.43			E: 6342.83 N: 5923.02				E: 6330.80 N: 5936.39						L7 S67°02'13"E 19.12'		A We)3—740 70—49
A20	ACCESS ROAD/ SPILLWAY TOP	N: 5931.44 E: 6383.92	6258.08	A40 ACCES	S ROAD/TOP	N: 6026.71 E: 6375.18	6259.79	A60	TOE	E: 6343.05	6253.04	A80	TRICKLE CHANNEL	E: 6328.91	6252.35								ınial 3C Ollins 9
- P.	D. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		· 'P ·		, , , , , , , , , , , , , , , , , , ,	E: 03/5.18	P 9			94001	V		6255 										Center Fort C
4.8	P P P	A A B A B A B A	4	8 4	260	625	6255	A 4	4 4	4 4	-6255	V .	3,001 -	4	AYOO!		V		¥20%				
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	4		4	A A		625	Va	4		A	SAN	VD CRE	EEK CENTER TRIL	BUTARY DRAINA	AGEWAY	4	7 7	A PA		6250			
		4 7		4 4	HOYR		di.	001		4.4.4	4	b.	10 - A	4 7 9			P P P P P P P P P P P P P P P P P P P	4 4 4 -	CONC SPILLWAY	FES (PVT)	DA		
\				(A8)	1 0/1/	76 62	V		D D	V 3.001	4	4 4	M MADO	6255	W. W. W. W. W. W. W. W. W. W. W. W. W. W	0 V	The state of the s		SEE SHEET 18 F	FOR DETAIL 6260	≻		
				\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0.75	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		(A10)	A16	8%		T S E T	* * * *	x 6255 x x-	× × ×)	(A36) (A35)	M A	A B	M P P P P P P P P P P P P P P P P P P P			
	00					(A37)	D-\-	<u>(A9)</u>		–(A15) ∾i		SS R	(A18)				(A20)	DAU01		4) (A28) (A28) (A28) (A28) (A28)			
			—A6 //			16%			24	(A38)	V 430	ACCE 75.00		(A17)	/	.29%	A22	4. 4. 4. 4. 19.	A24)	AZ6 18" RCP STM (PVT)			
			<u>A5</u>			0	\/		4	, , , , ,		<u> </u>	L(A40)	L		(A41)	(A19)	<u>A21</u>	A23)	A25)			
								(A12)	1 00 cs /						7	1 1	A29	A30)	100 (A31)	(A32) (A42) (A27)			
			/						/ / /bccr				44	№ 100YR			10041		DEEP CONC CUT	JTOFF WALL TO A43			
		2.15%					\			9	100YF	~		14.0		111	111	 		OUTLET STRUCTURE (PVT)			
				*	TRACT I		1 6%	\		0,1		(AEE)	7 18 18 18 18 18 18 18 18 18 18 18 18 18	(A56)	A58		A59 (A60			OUTLET STRUCTURE (PVT) SEE SHEET 19 FOR DETAIL	Z		
	30	5.00, CCC, GS				\	6.10				A14		SONC SHANN SHEE	(A83)		-12	A80 /	(A79)	(A78) (A77)	77) (A74) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
*		POAD						(A11)-		A73	3y (A84)		KLE O	(A82)	Viel Viel Viel Viel Viel Viel Viel Viel		_c3	L3	C2	(A76) (A75) (A75)			
								A54)-		A72)	12+00	.%∤	TRIC DI TRIC	C4	11+00)	-L4	(A86)		(A63) - (A44) - (A44)	Z		
								(A53)		A05)	L6	79.	%	FULL SPECT QUALITY & DETI	RUM WATER	Δ	25%	A87)——L7		C1 (A94) (A98) (A98) (A98)	.20,	2/2 2/2	2 2 0
	A3 — A3 — A3 — A3 — A3 — A3 — A3 — A3 —			,)	VT)	^	B		67)		<u></u>	N, N / 12 / 12 / 13 / 13 / 13 / 13 / 13 / 13	3 \(\frac{\text{\tint{\text{\tin}\text{\texi{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\}\tittt{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\tint{\text{\texi}\text{\texititt{\text{\texitile}}\tittt{\text{\text{\texitile}}\text{\texitith}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}
					24" R	RCP STM (PVT)—			100	FOREBAY A1 SEE SHEET	1 (PVT) 18 FOR DETAIL		100 t		6255————	SEE SH	FOREBAY A2 (PVT)		——————————————————————————————————————	(A97)	<u>—</u>	ш ж	_ <u>-</u>
			₹.	 85 <u>a</u>			.00			1					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	701			-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\	A93)	SCAL	SCAL	X X X
						13	+0		(A52)		788			\	7,88			E	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	(A46)	보	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	JLVI. DRA CHEC
																`\		2		(A92) 20 10 0 2	0		
									T	(A51)			(A50)			AAG	8		48)	ORIGINAL SCALE: 1" = 20	, (۲. ارد در	
					<u>_</u>			7.5°		/					15.60	/ •••	# #	6,60		A90	=		
	A2		/					•							6763			/		15.00' GRAVEL — — — — — — — — — — — — — — — — — — —	<u> </u>	S - S	
	(A1)		<u> / </u>												/						رة	차 <u>이</u> %	S
 	EP	PC TYPE A C&G		A S	LIGNMENT DPO EE PROFILE SH	3 HEET 13		<u></u>		PAON	IA STREET		- <u></u> -			<u> </u>	A	LIGNMENT DP02 EE PROFILE SHEET	13	(A88) (A89) (A89)	<	AAA NON S	
	<u> </u>		5		 								- 5			_					2		
	<u>==</u>	<u> </u>	/	- + -	=	▼											S	<u>S</u>	3	Know what's below.	I _		SE
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		ISTING ABOVE GROU	JND AND		. //		_ _	. — — —					_					· 		ENGINEER'S STATEMENTO REGISSION		7 9	
UNDE WAY	RGROUND UTILITIES ONLY. THE CONTR	S ARE SHOWN IN A RACTOR SHALL DETE	AN APPROXIM. ERMINE THE E	EXACT																PREPARED UNDER MY SUPERVISION BRAME STATE	1 0	7	
WORK	. THE CONTRACTO	STING UTILITIES BEFO OR SHALL BE FULLY	Y RESPONSIBL	LE FOR																MIKE A DRAMIETT DE SANTE	SF	HEET 16	OF 32
FAILU	RE TO EXACTLY L	S WHICH MIGHT BE LOCATE AND PRESEI JNDERGROUND UTILI	RVE ANY ANI																	MIKE A. BRAMLETT, P.E. COLORADO P.E. 32314 FOR AND ON BEHALF OF JR ENGINEERIMG, MACCOMMINISTRICATION OF THE PROPERTY OF THE	-	DB NO. 25	
ABOV	- CHOOND AND U	THE TOTAL OF THE																		FOR AND ON DEFIALF OF JK ENGINEERINA	JUE	J 140. 20	- 7 - 100

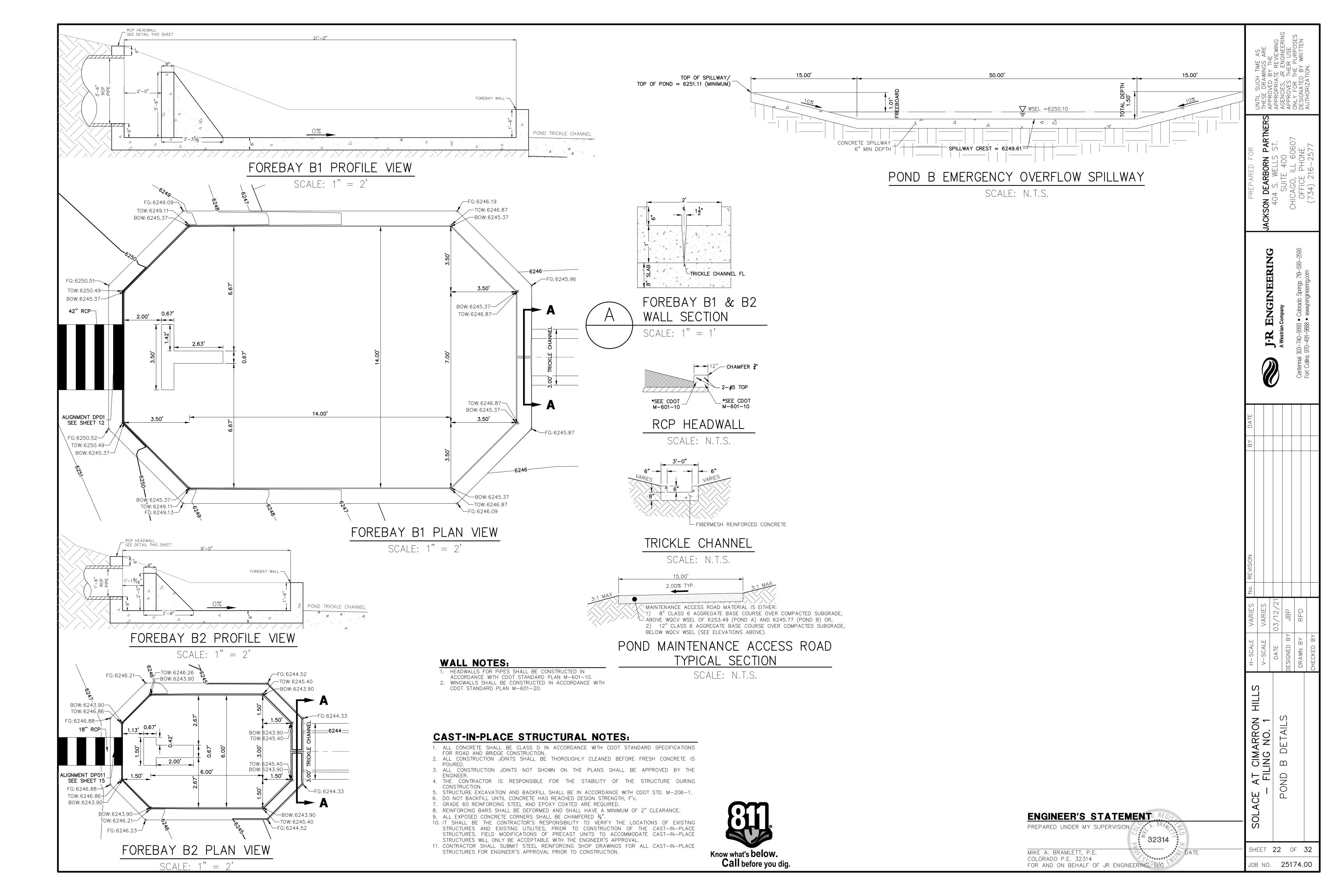


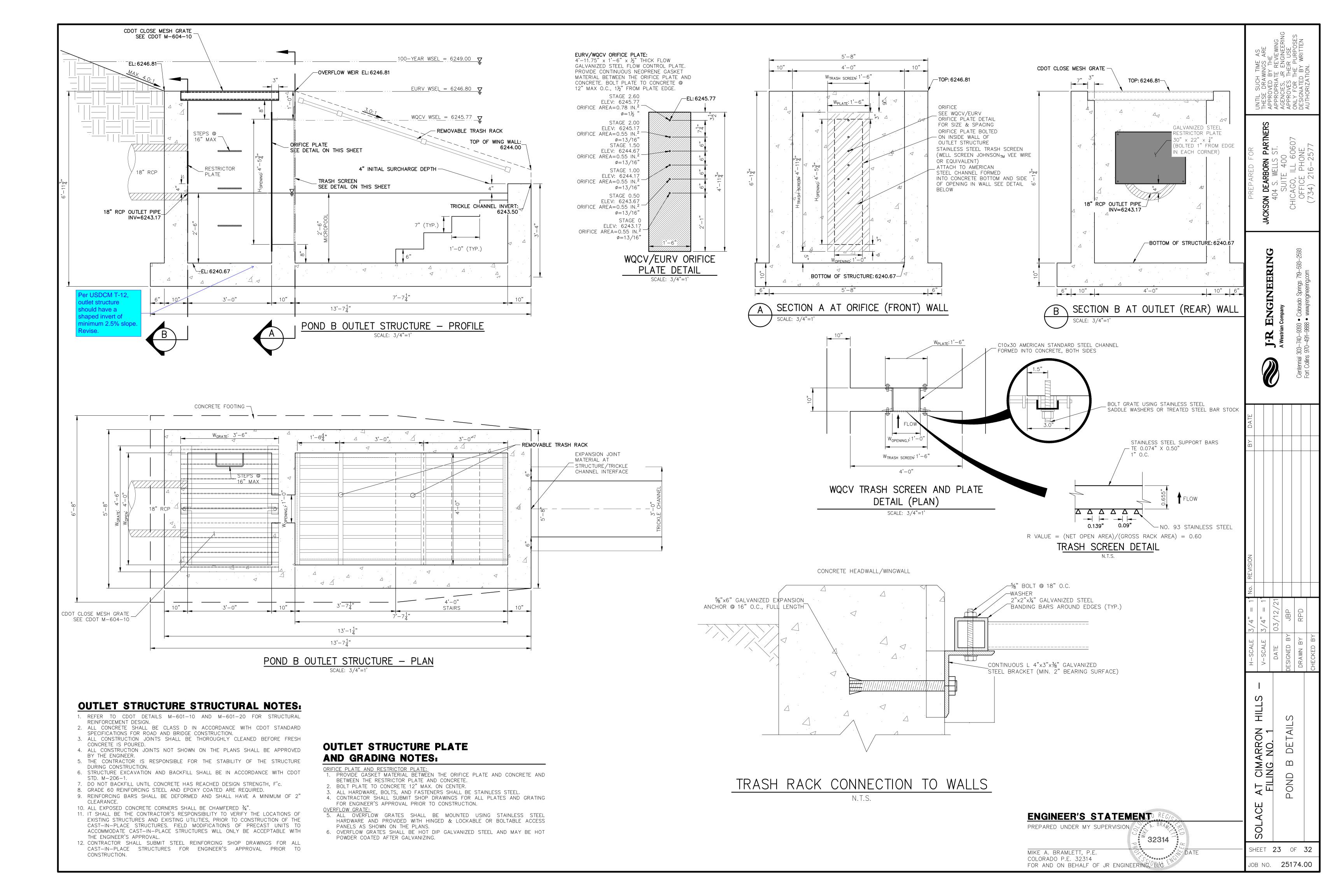


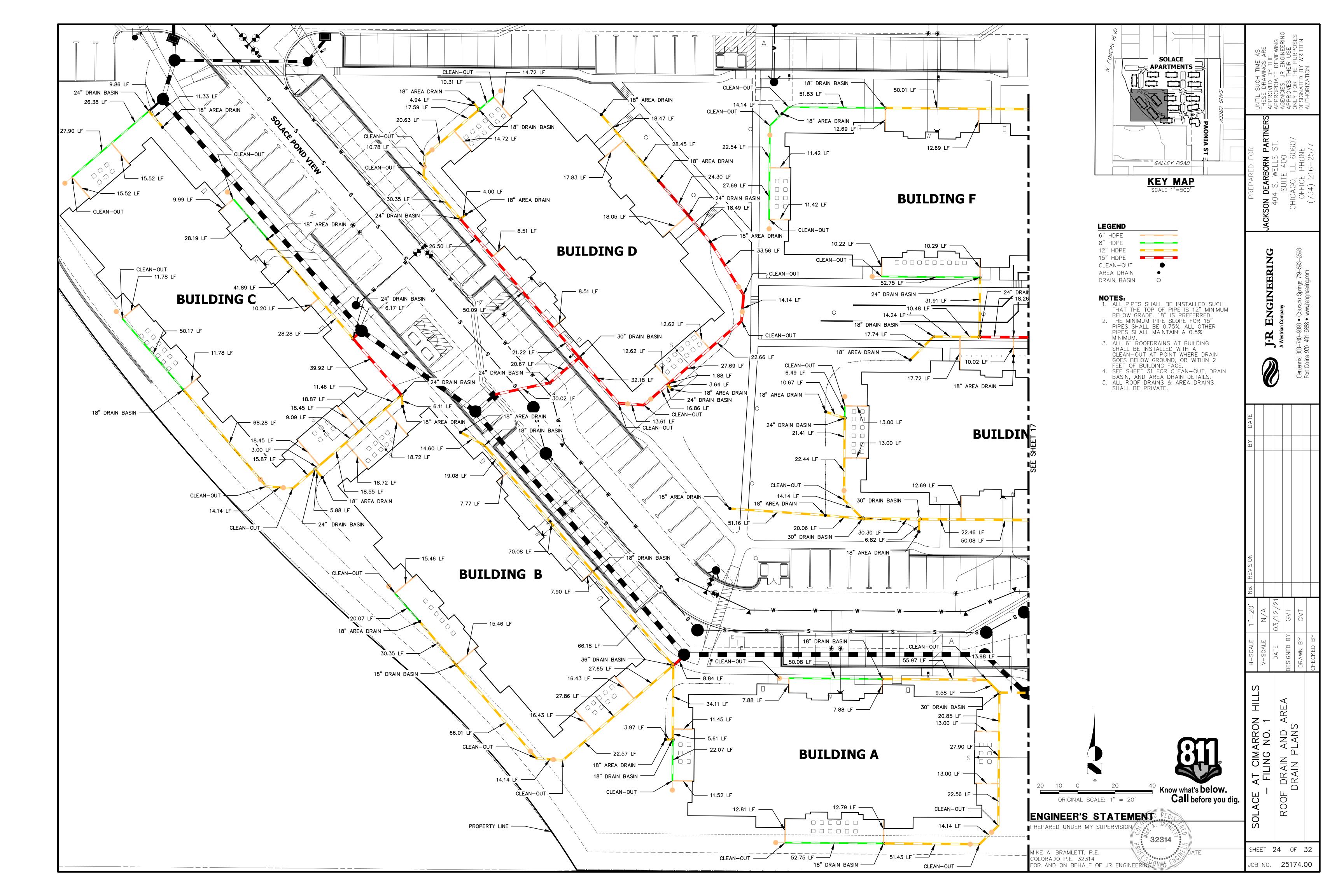


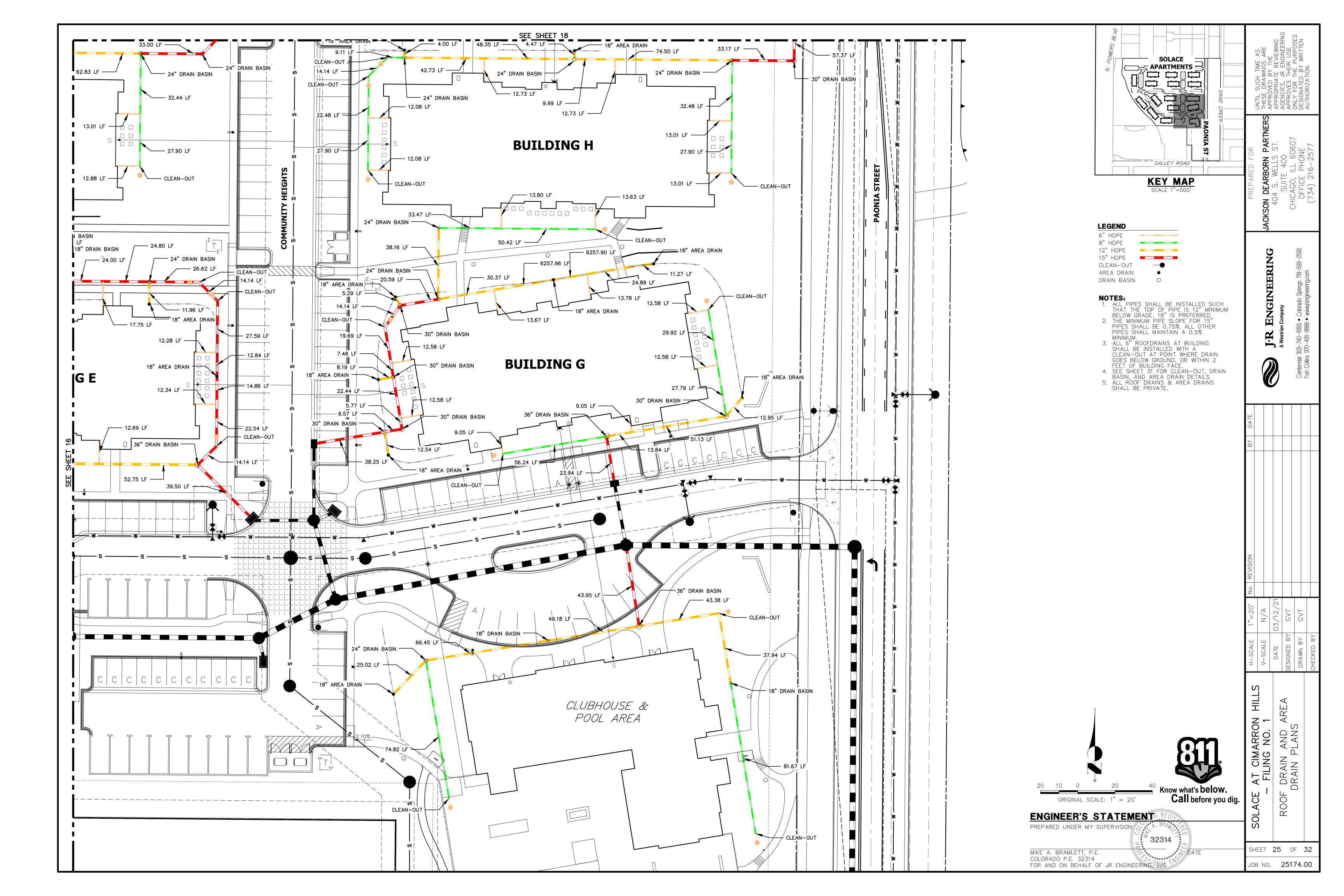


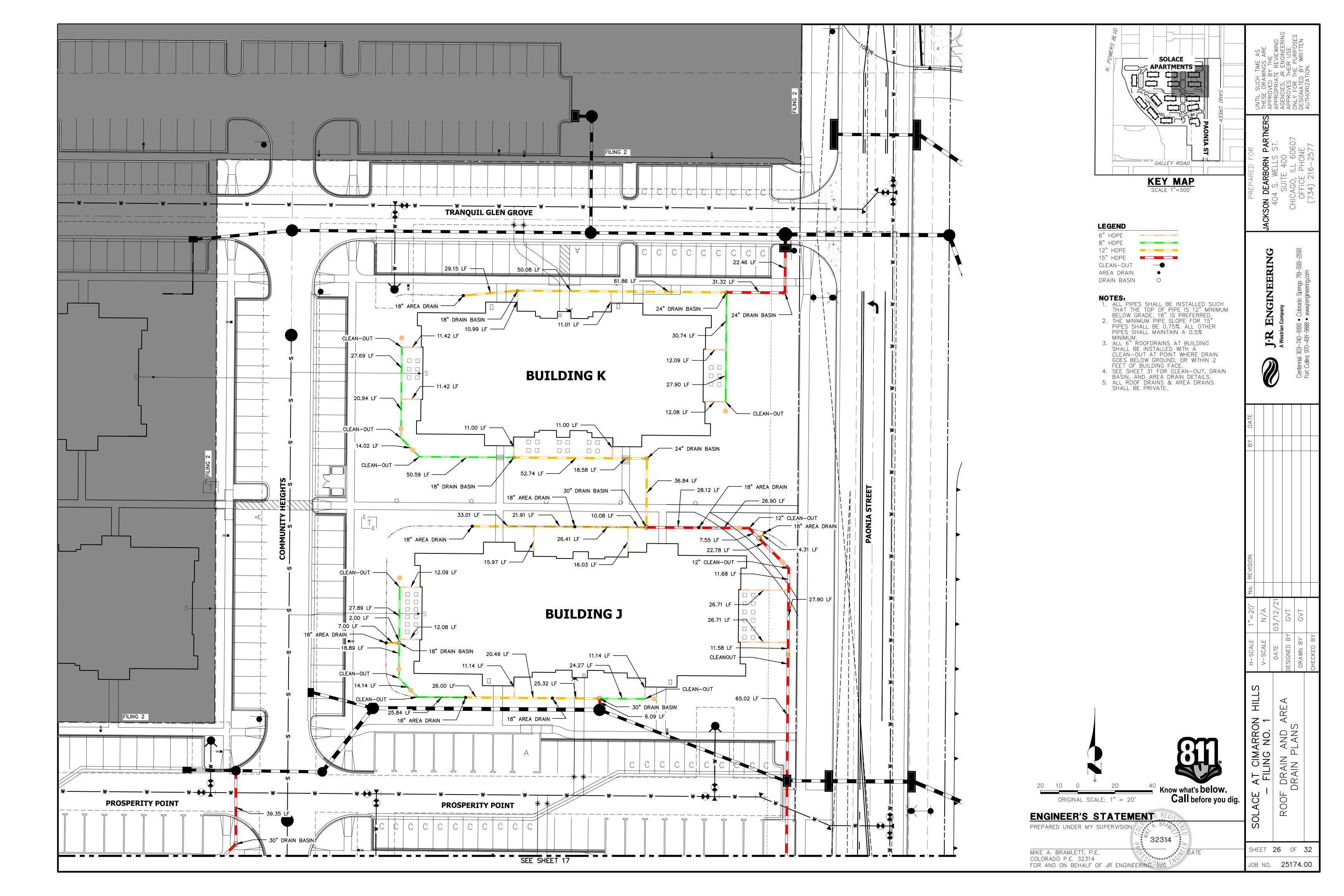










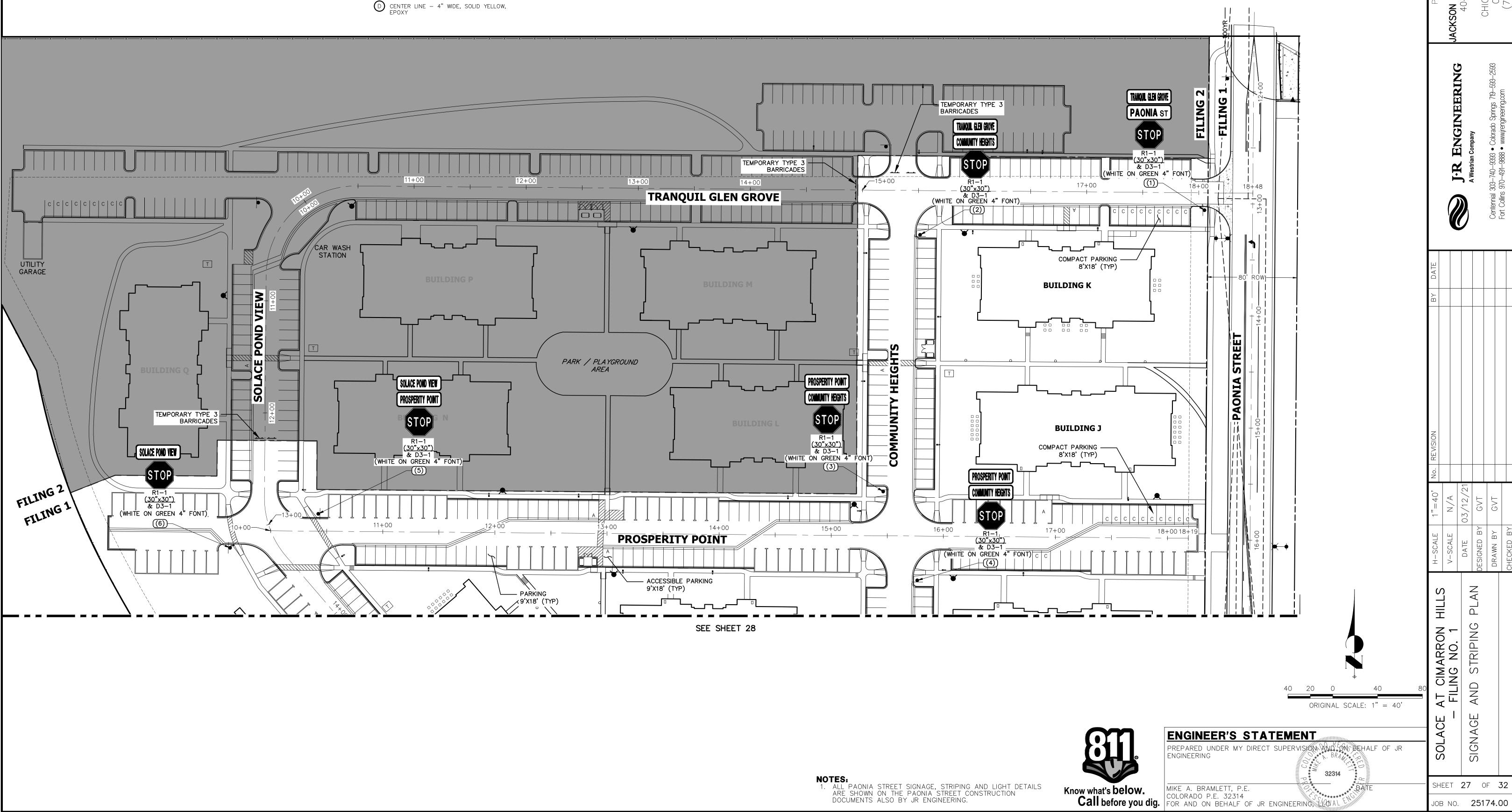


	SIGNAGE TABLULATION										
POINT NUMBER	STATION	OFFSET	ALIGNMENT	DESCRIPTION							
(1)	18+05.22	15.51' (RT)	TRANQUIL GLEN GROVE	30X30 R1-1 (1) 30X9 D3-1 (2)							
(2)	15+51.69	39.52' (RT)	TRANQUIL GLEN GROVE	30X30 R1-1 (1) 30X9 D3-1 (2)							
(3)	15+46.07	39.51'(LT)	PROSPERITY PT CL	30X30 R1-1 (1) 30X9 D3-1 (2)							
(4)	15+77.07	39.51' (RT)	PROSPERITY PT CL	30X30 R1-1 (1) 30X9 D3-1 (2)							
(5)	10+42.33	15.50' (LT)	PROSPERITY PT CL	30X30 R1-1 (1) 30X9 D3-1 (2)							
(6)	13+06.49	39.28' (RT)	SOLACE POND VIEW CL	30X30 R1-1 (1) 30X9 D3-1 (1)							

LEGEND

- → PROPOSED SIGN → EXISTING SIGN
- Q CDOT DELINEATOR TYPE I (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
- XX 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

- E EDGE LINE 4" WIDE, SOLID WHITE EPOXY
- 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, 9' 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)



== GALLEY ROAD

KEY MAP

SIGNAGE TABLULATION											
POINT NUMBER	STATION	OFFSET	ALIGNMENT	DESCRIPTION							
(7)	19+96.97	39.50' (LT)	SOLACE POND VIEW CL	30X30 R1-1 (1) 30X9 D3-1 (2)							
(8)	20+20.92	37.75' (RT)	SOLACE POND VIEW CL	30X30 R1-1 (1) 30X9 D3-1 (1)							
(9)	22+85.32	17.57' (RT)	SOLACE POND VIEW CL	30X30 R1-1 (1) 30X9 D3-1 (2)							

THERMO-PLASTIC (MIN. 90 MIL THICKNESS)

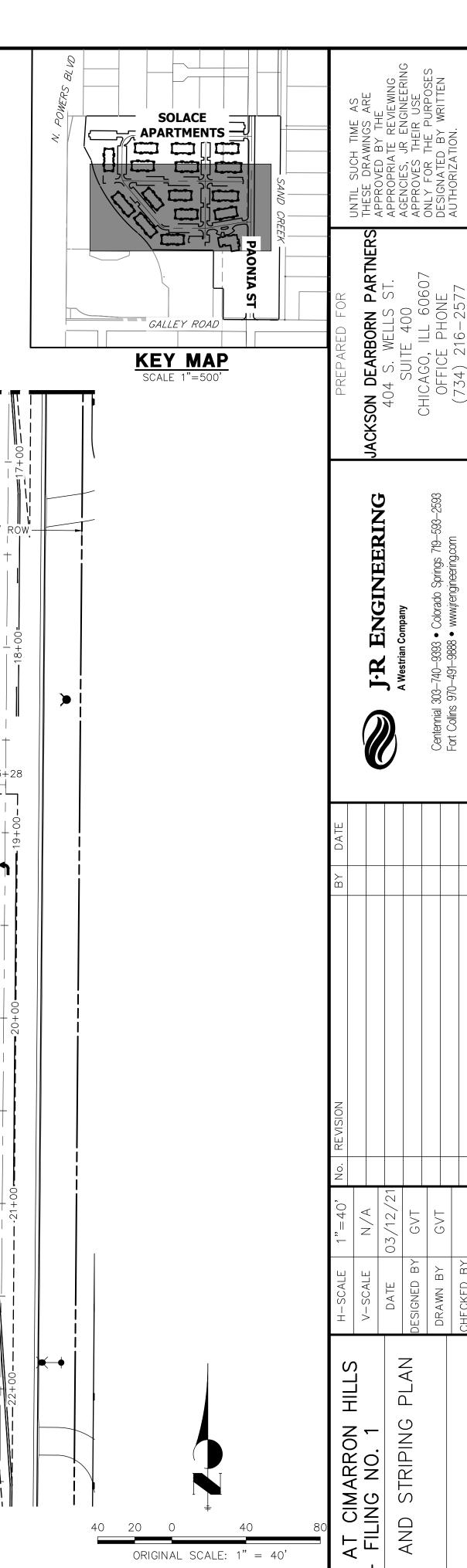
XX TABULATION KEY

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

D CENTER LINE — 4" WIDE, SOLID YELLOW, EPOXY



ENGINEER'S STATEMENT

ENGINEERING

Know what's below.
Call before you dig.

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

1. ALL PAONIA STREET SIGNAGE, STRIPING AND LIGHT DETAILS ARE SHOWN ON THE PAONIA STREET CONSTRUCTION

DOCUMENTS ALSO BY JR ENGINEERING.

PREPARED UNDER MY DIRECT SUPERVISION AND TON BEHALF OF JR

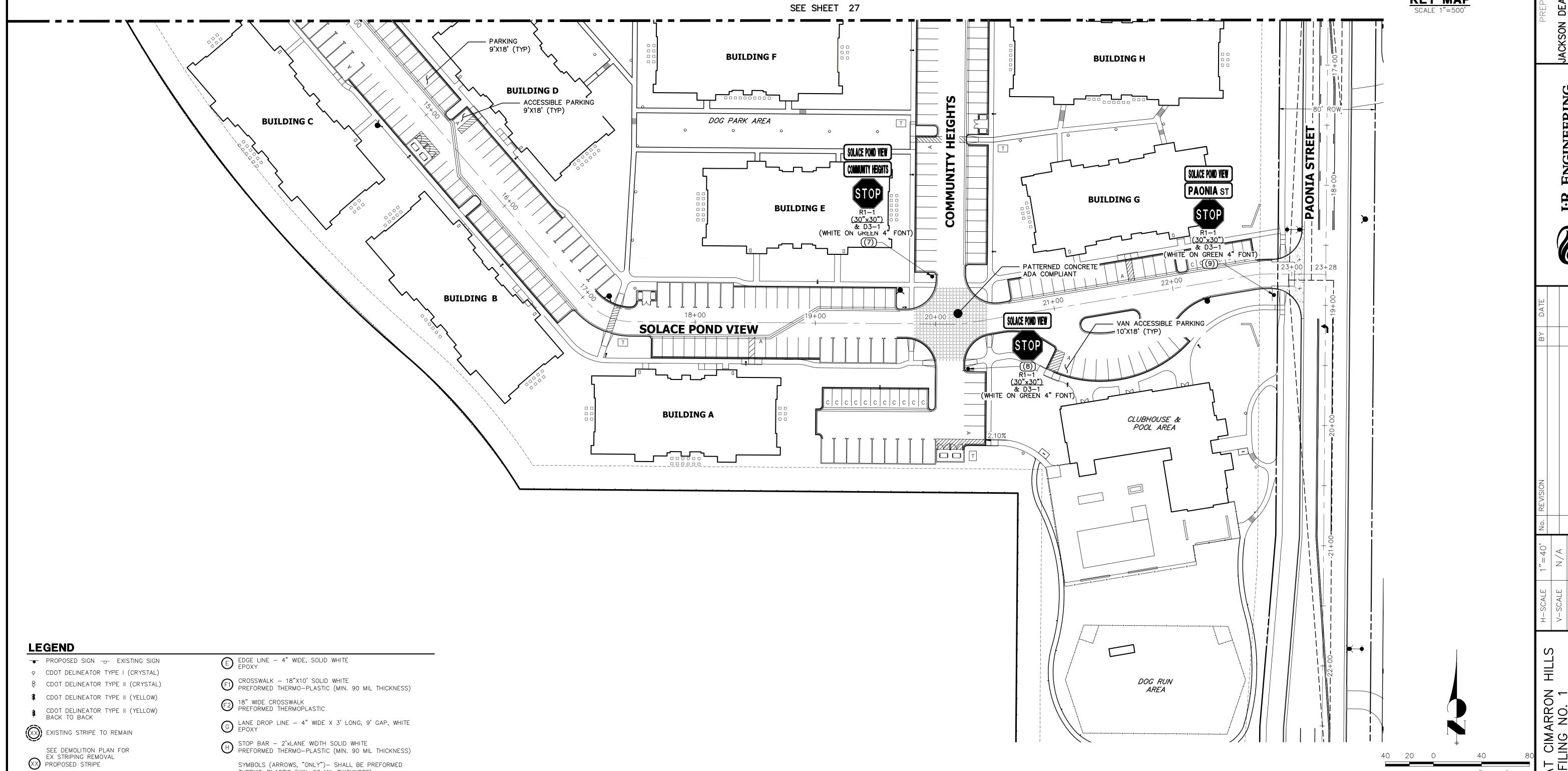
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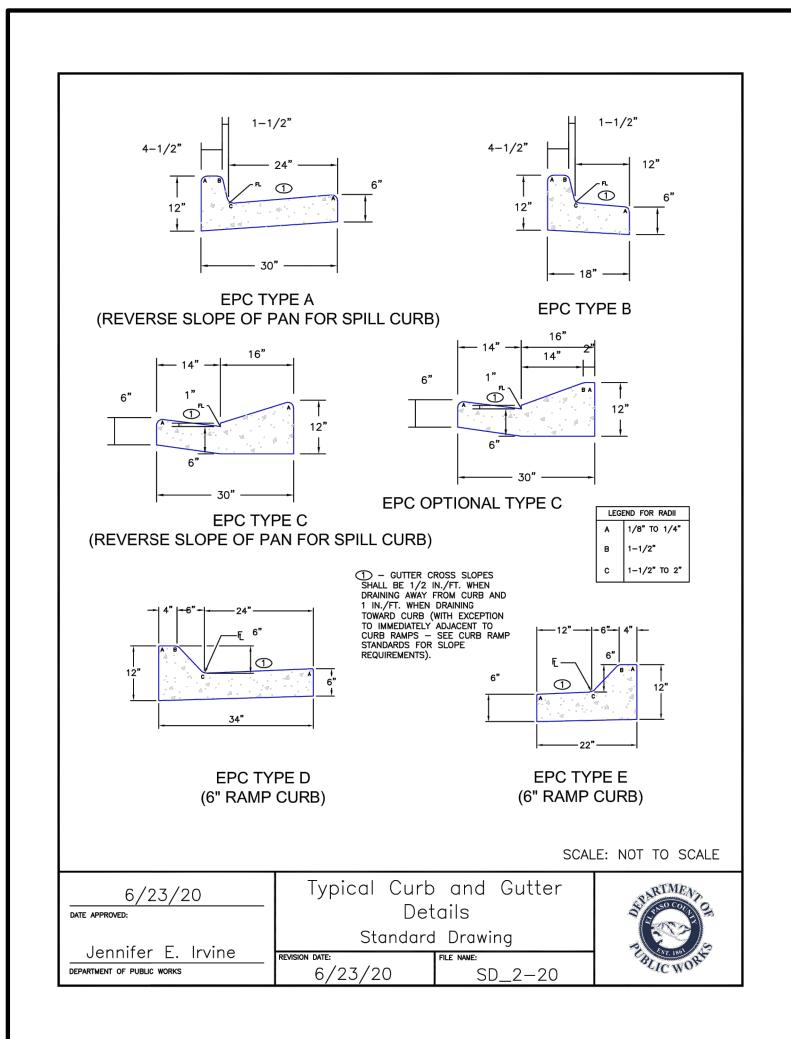
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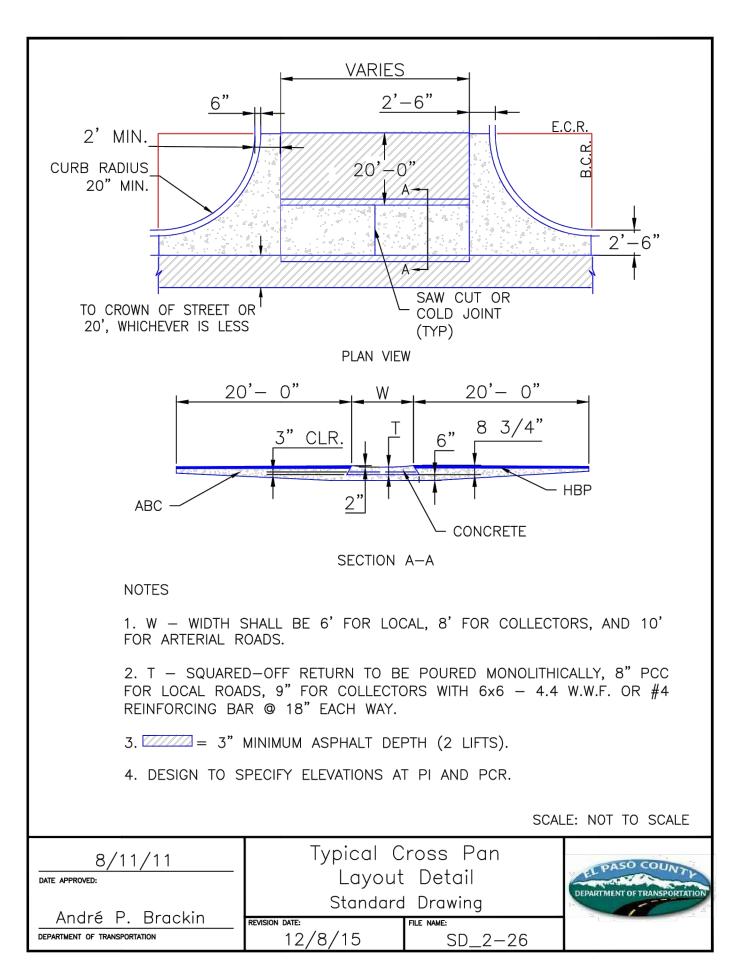
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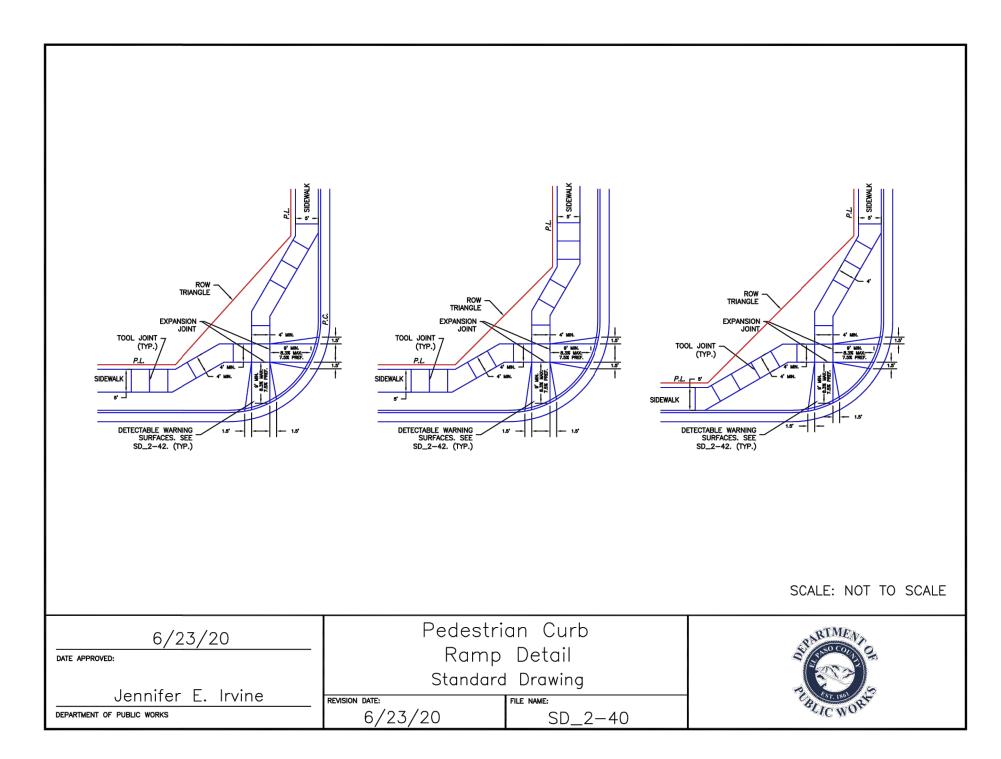
SHEET **28** OF **32**

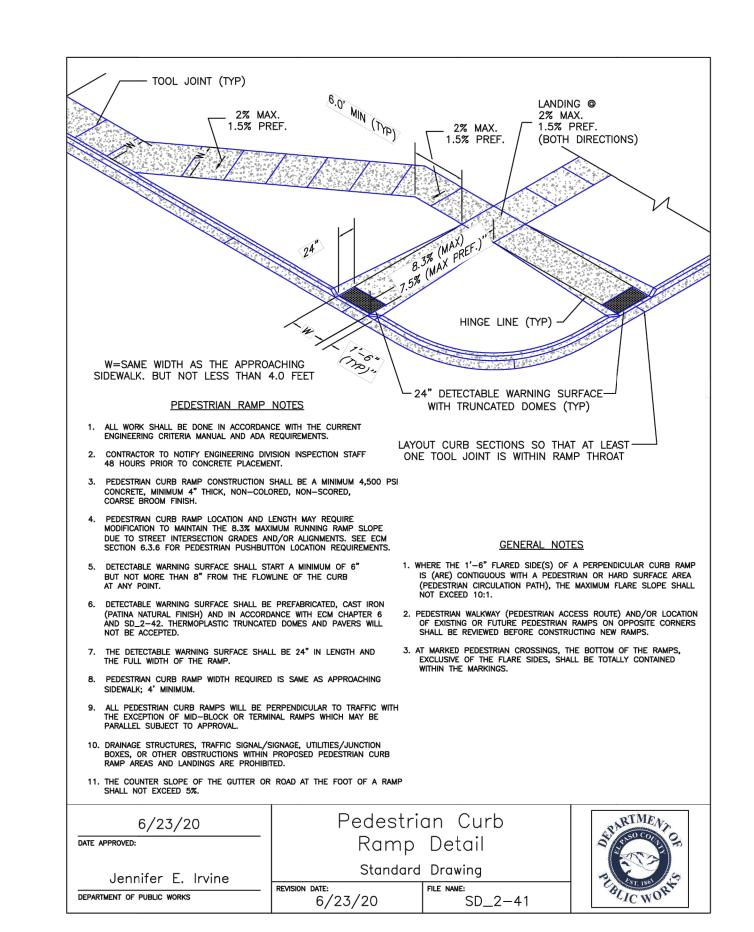
JOB NO. **25174.00**

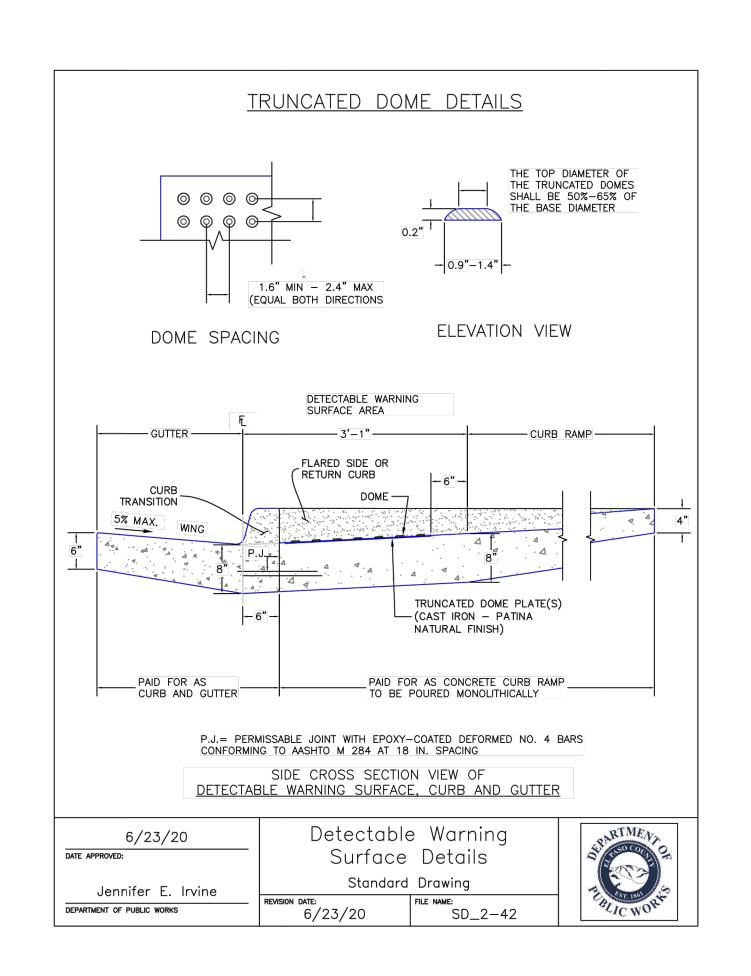


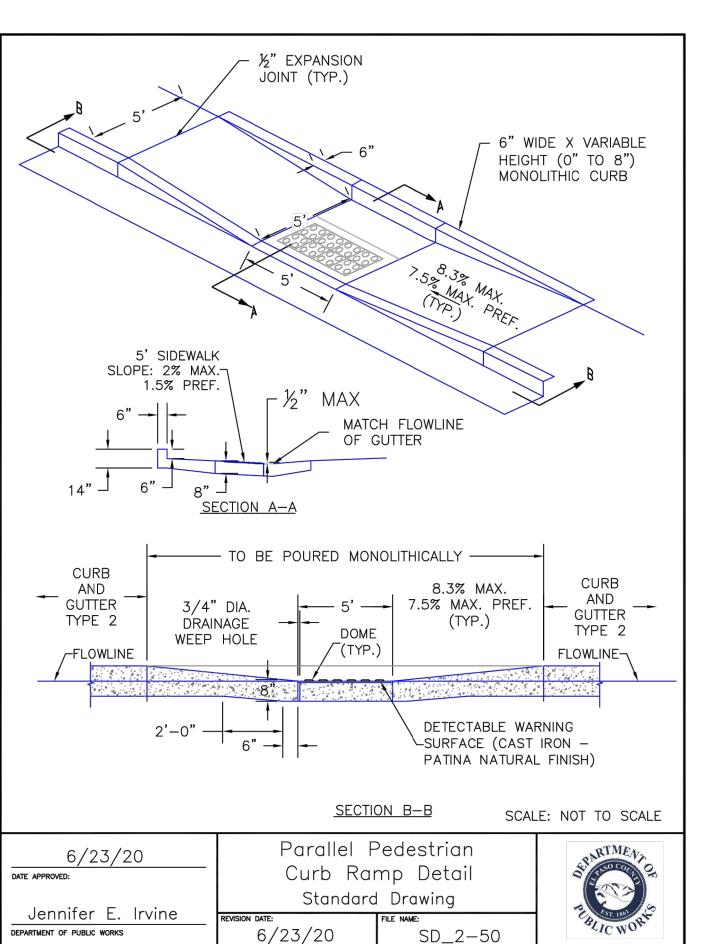




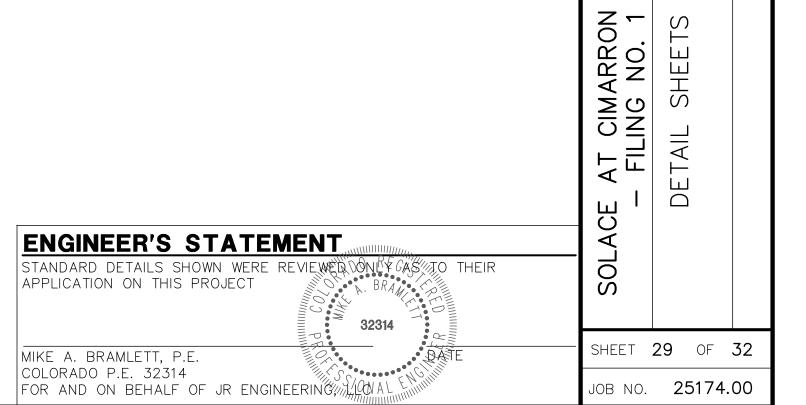


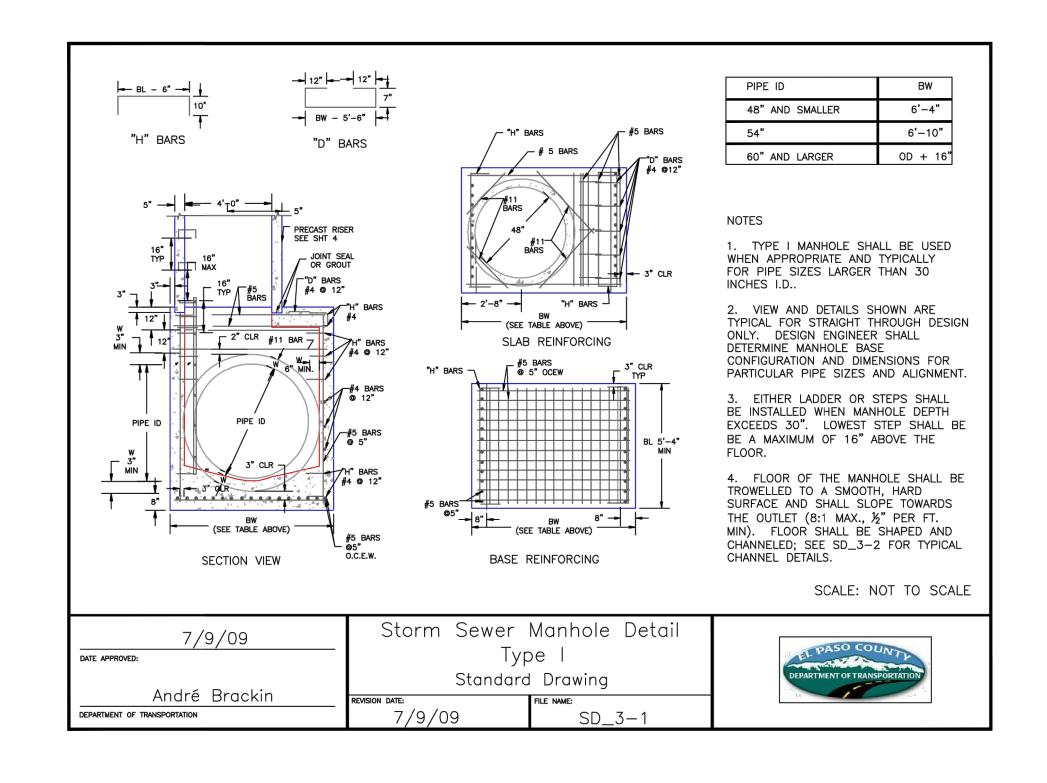


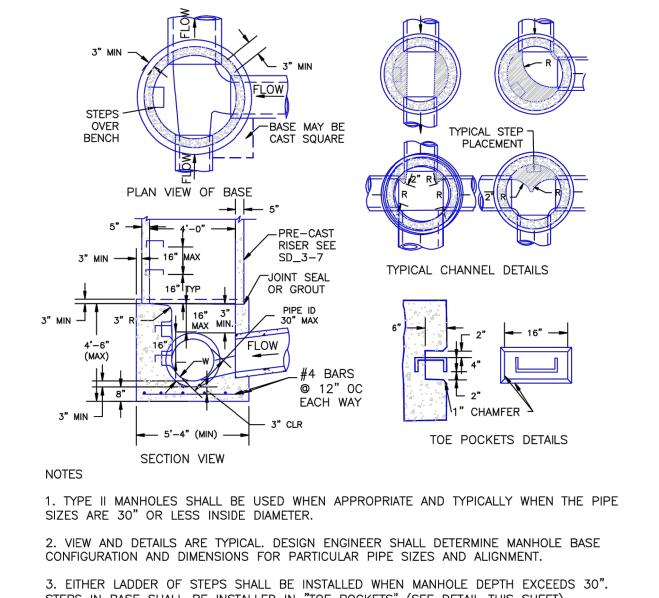












STEPS IN BASE SHALL BE INSTALLED IN "TOE POCKETS" (SEE DETAIL THIS SHEET). LOWEST STEP SHALL BE A MAXIMUM OF 16" ABOVE THE FLOOR.

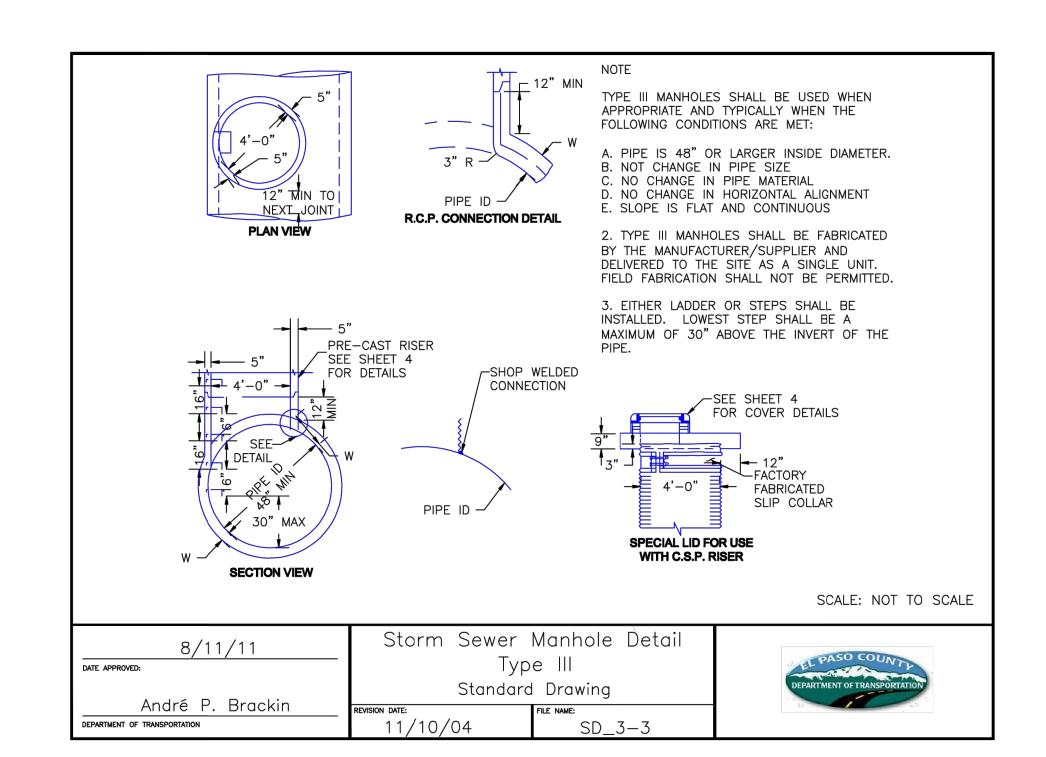
4. PIPES SHALL BE TRIMMED TO FINAL SHAPE AND SET BEFORE MANHOLE IS POURED. 5. BENCH SHALL BE SLOPED TOWARD CENTER OF MANHOLE BASE (4:1 MAX., ½" PER

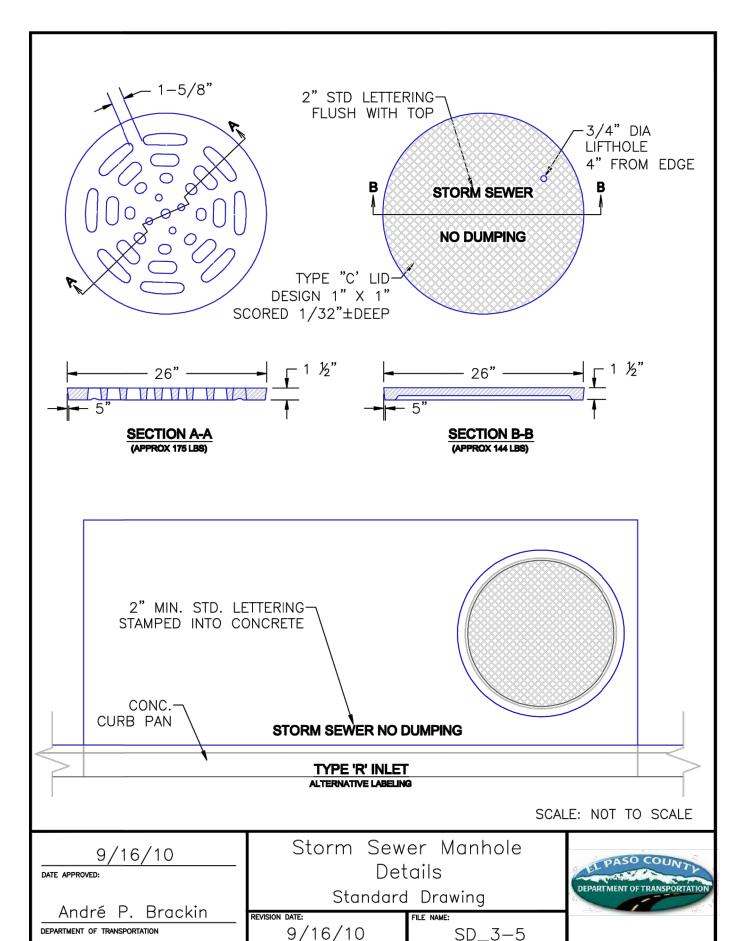
FOOT. MIN.). 6. FLOOR OF MANHOLE SHALL BE TROWELLED TO A SMOOTH, HARD SURFACE AND SHALL SLOPE TOWARDS THE OUTLET (8:1., 1/2" PER FT. MIN.) . FLOOR SHALL BE SHAPED AND

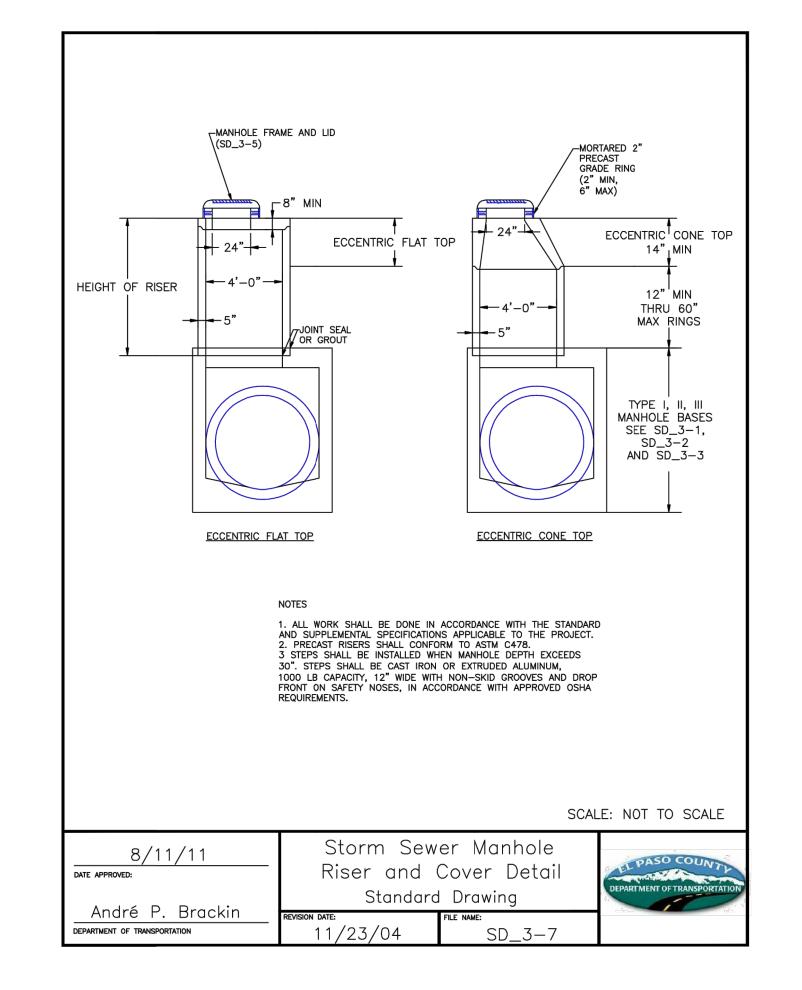
CHANNELED; SEE DETAILS THIS SHEET.

SCALE: NOT TO SCALE

DATE APPROVED:	Тур	Manhole Detail be II d Drawing	DEPARTMENT OF TRANSPO
André P. Brackin DEPARTMENT OF TRANSPORTATION	REVISION DATE: 11/10/04	FILE NAME: SD_3-2	c'm-

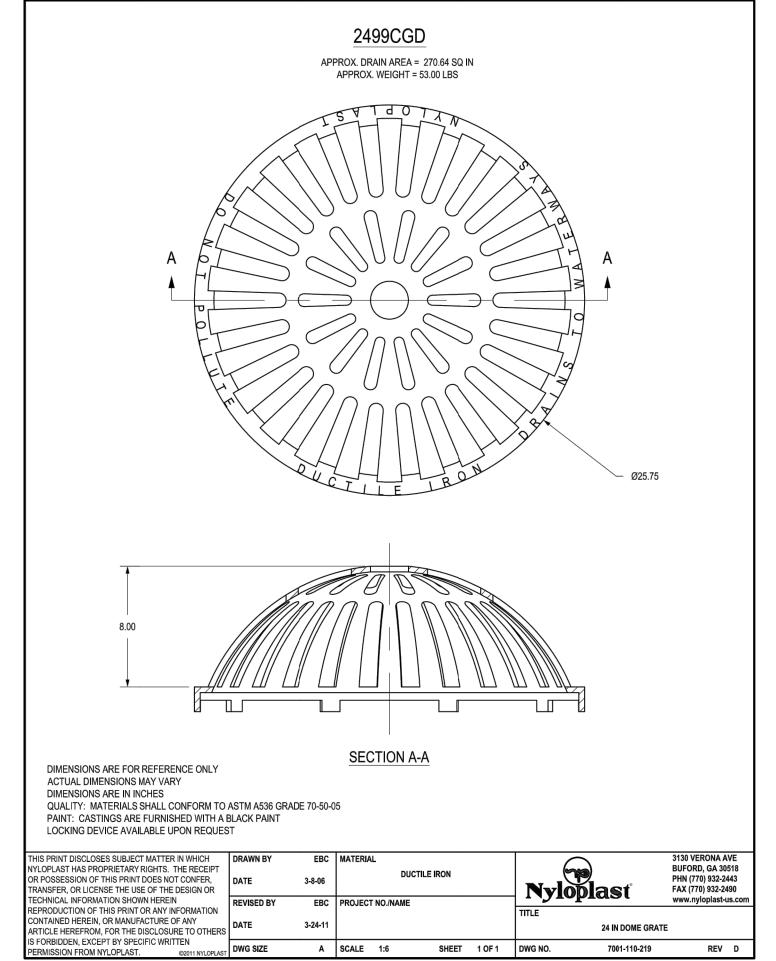


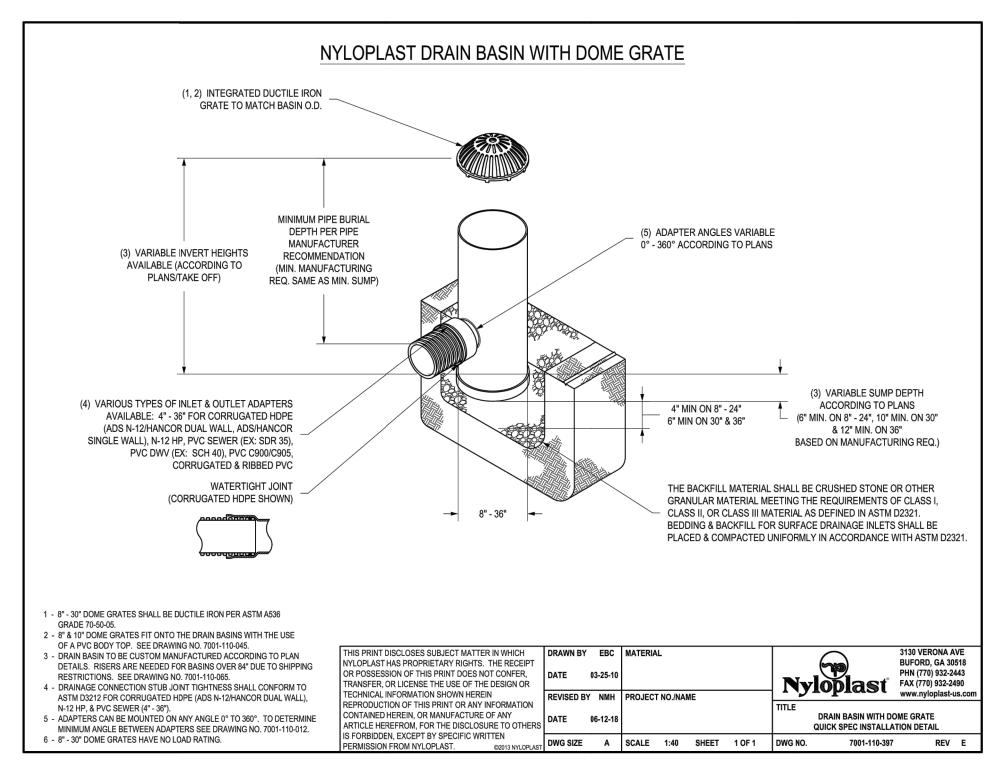


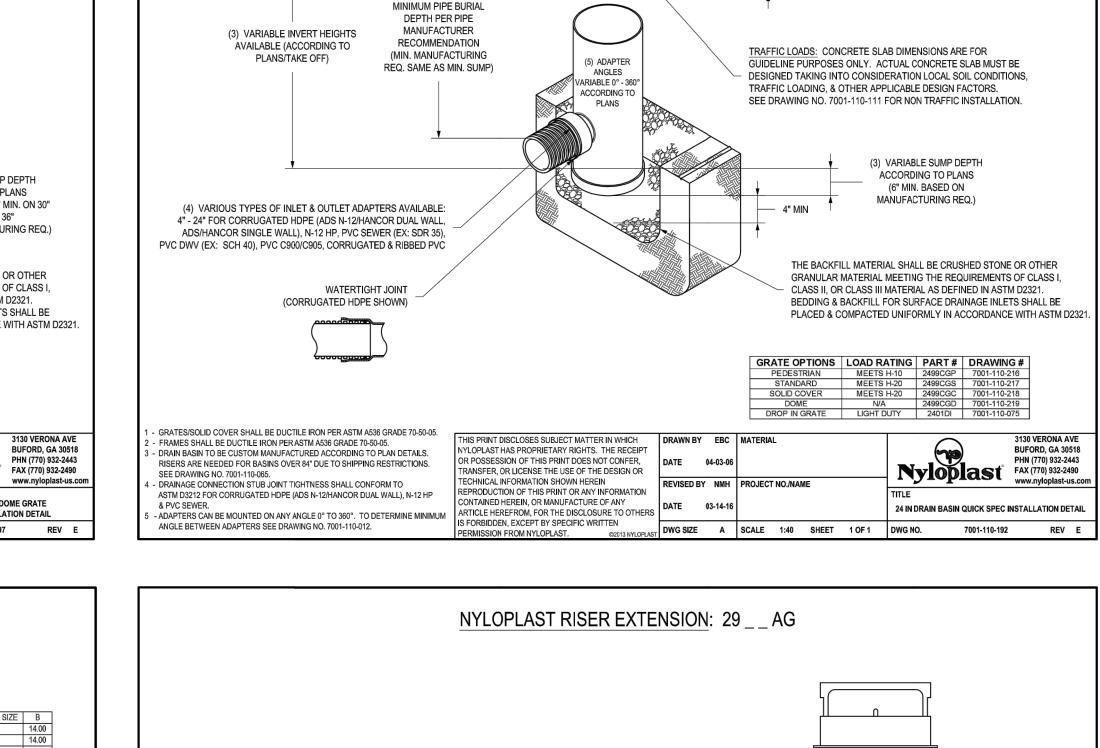




ENGINEER'S STATEMENT STANDARD DETAILS SHOWN WERE REVIEWED ONLY CASE TO THEIR APPLICATION ON THIS PROJECT 32314	SOLACE AT CIMARRON HILLS - FILING NO. 1 DETAIL SHEETS
MIKE A. BRAMLETT, P.E.	SHEET 30 OF 32
COLORADO P.E. 32314 FOR AND ON BEHALF OF JR ENGINEERING ON A LEMINIMON OF THE PROPERTY OF THE	JOB NO. 25174.00







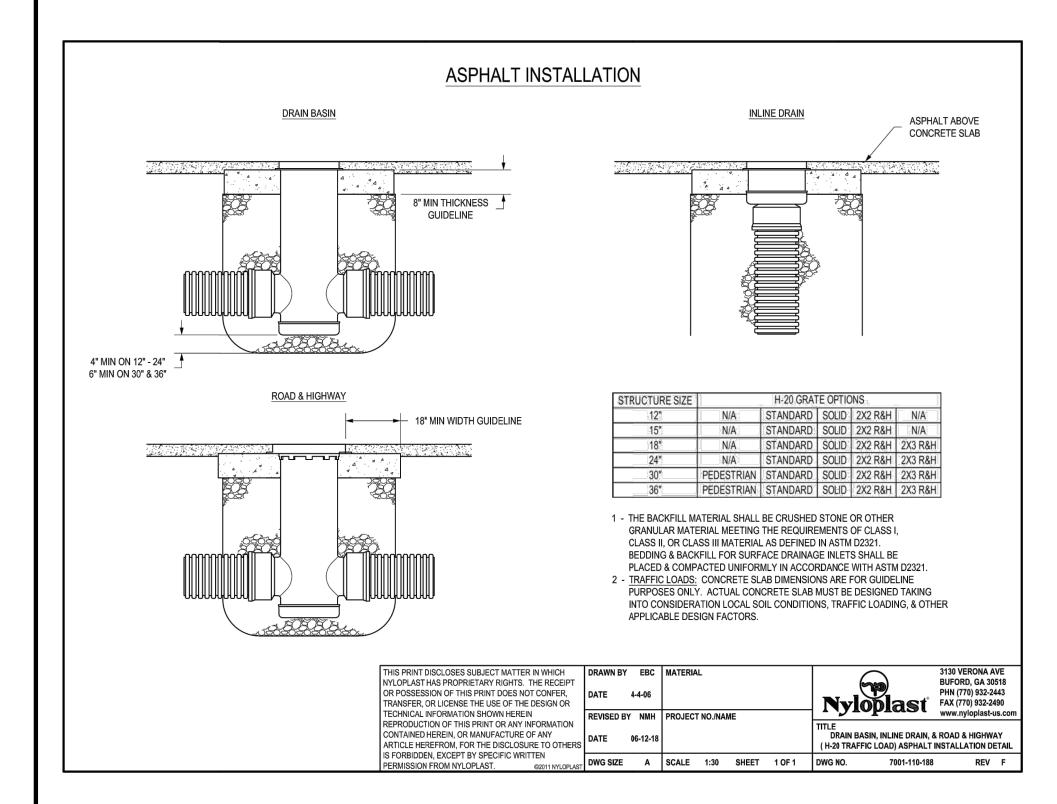
NYLOPLAST 24" DRAIN BASIN: 2824AG _ _X

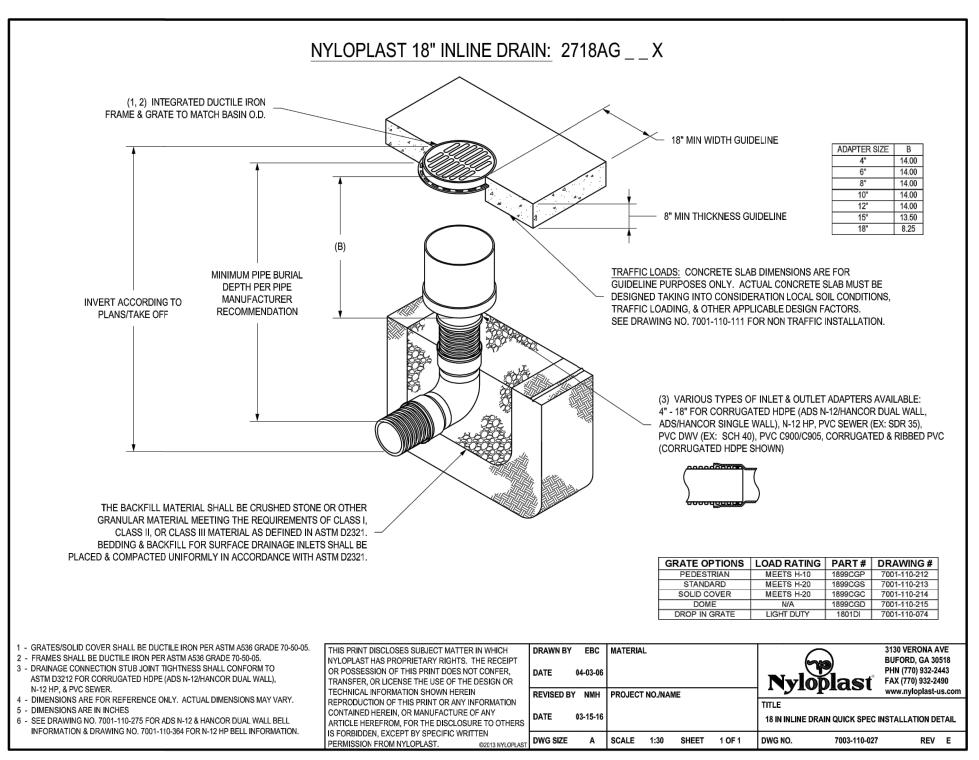
18" MIN WIDTH GUIDELINE

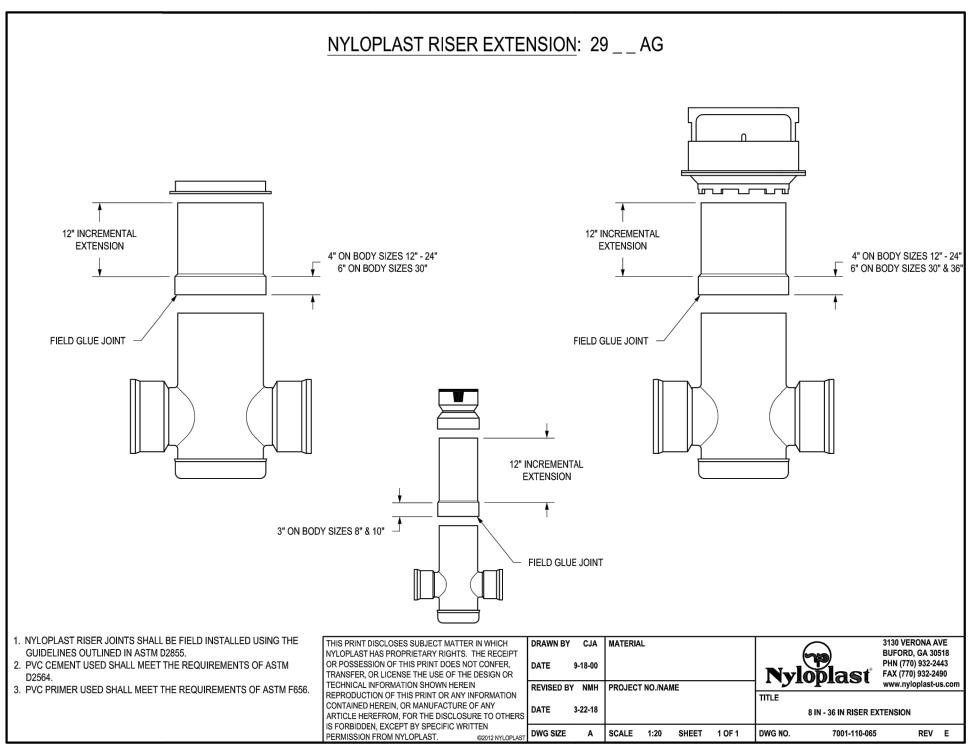
8" MIN THICKNESS GUIDELINE

(1, 2) INTEGRATED DUCTILE IRON

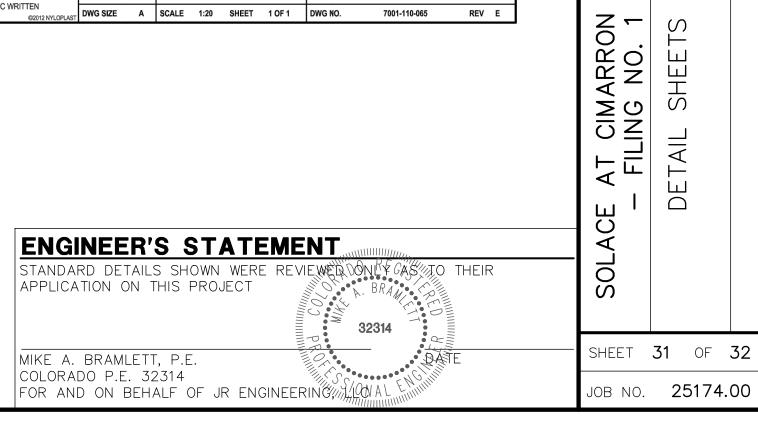
FRAME & GRATE TO MATCH BASIN O.D.

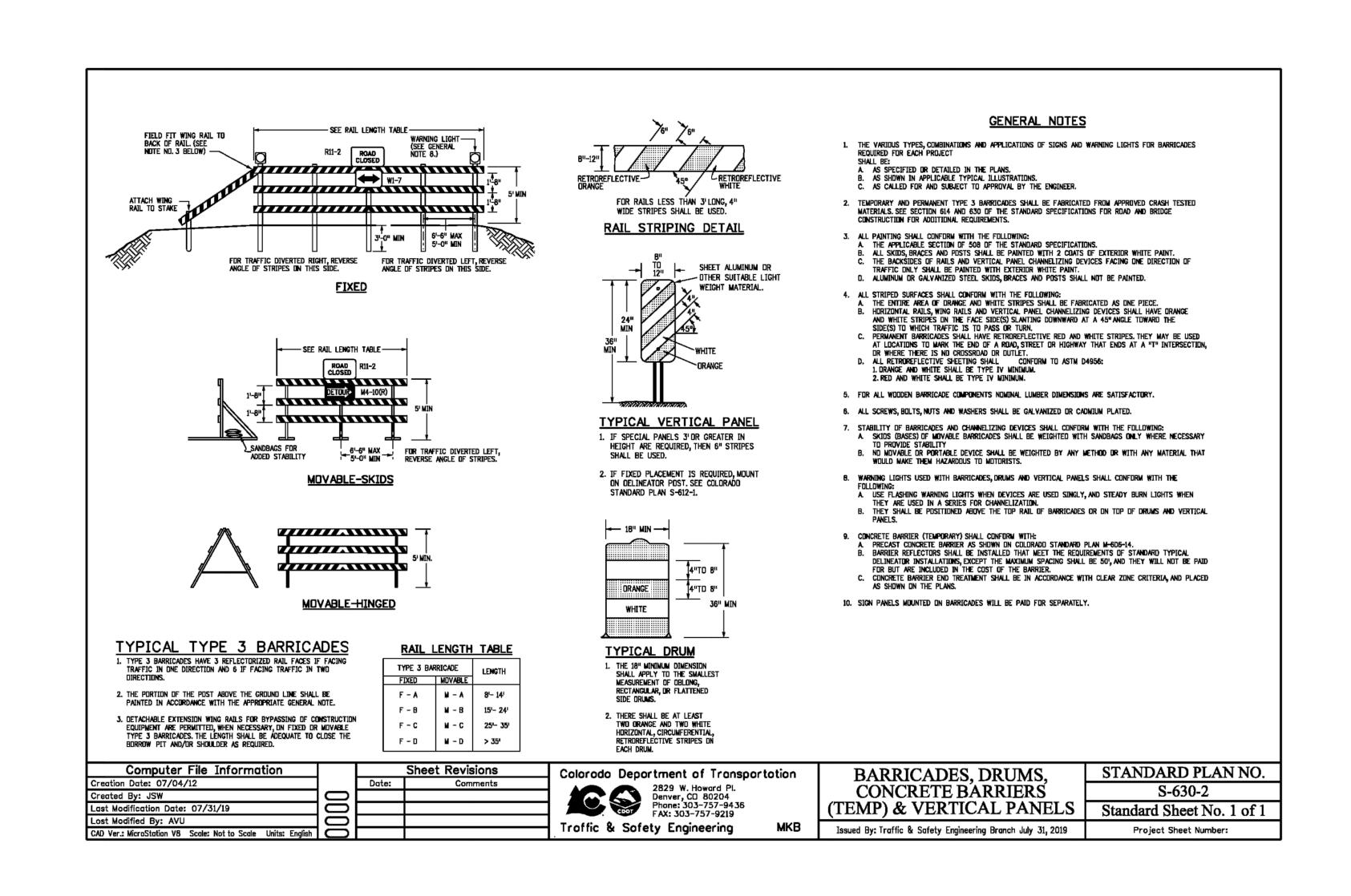




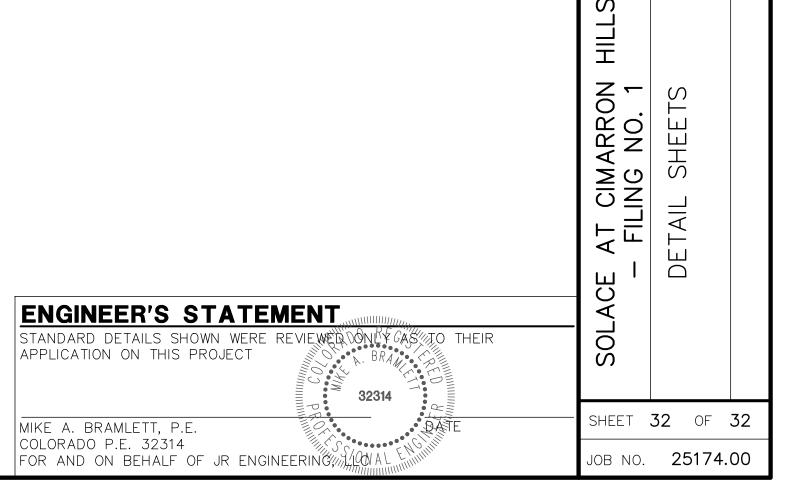












PAONIA STREET IMPROVEMENTS

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

PAONIA STREET IMPROVEMENTS

ABE	BREVIATIONS				
AC AD AH ARCH ASCE ASS'Y AVE BB BNDY BOP BOV BFV BEVD BEVD	ACRE ALGEBRAIC DIFFERENCE AHEAD ARCHITECT AMERICAN SOCIETY OF CIVIL ENGINEERS ASSEMBLY AVENUE BOX BASE BACK BOUNDARY BOTTOM OF PIPE BLOW OFF VALVE BUTTERFLY VALVE BUTTERFLY VALVE BOULEVARD BOTTOM OF WALL CURB & GUTTER CABLE TELEVISION CATCH BASIN CONCRETE BOX CULVERT COLORADO DEPARTMENT OF TRANSPORTATION CUL—DE—SAC CUBIC FEET PER SECOND CENTER LINE CONDITIONAL LETTER OF MAP REVISION CLEAR CORRUGATED METAL PIPE CLEAN OUT CONCRETE CIRCLE CORRUGATED STEEL PIPE COURT	FDP FDR FES FG FH FIL FO GB GE GIS GPS GV HDC	FINAL DEVELOPMENT PLAN FINAL DRAINAGE REPORT FLARED END SECTION FINISHED GRADE FIRE HYDRANT FLOWLINE FILING FIBER OPTIC CABLE GRADE BREAK GAS EASEMENT GEOGRAPHIC INFORMATION SYSTEM GAS LINE GLOBAL POSITIONING SYSTEM GATE VALVE HANDICAP HIGH DEFLECTION COUPLING	PL PR PRC PT PVC RCP ROW RT STE SF ST	PROPERTY LINE PROPOSED POINT OF REVERSE CURVATE POINT OF TANGENCY PLUG VALVE POLYVINYL CHLORIDE RADIUS REINFORCED CONCRETE PIP ROAD RIGHT OF WAY RIGHT SOUTH STEEL SANITARY SEWER SQUARE FEET STREET
CATV CB CBC CDOT	CABLE TELEVISION CATCH BASIN CONCRETE BOX CULVERT COLORADO DEPARTMENT OF TRANSPORTATION	HDPE HGL HOA HP	HIGH DENSITY POLYETHYLENE HYDRAULIC GRADE LINE HOME OWNERS ASSOCIATION HIGH POINT	STM SY SY-IN TB	STORM SEWER SQUARE YARD SQUARE YARD INCH THRUST BLOCK TOP BACK OF CURB
CDS CFS CL CLOMR	CUL-DE-SAC CUBIC FEET PER SECOND CENTER LINE CONDITIONAL LETTER OF MAP REVISION	IE INT INV IRR KB	IRRIGATION EASEMENT INTERSECTION INVERT IRRIGATION KICK (THRUST) BLOCK	TBW TEL TOA TOB	TOP BACK OF WALK TELEPHONE TOP OF ASPHALT TOP OF BOX TOP OF CURB OR CONCRET
CLR CMP CO CONC CR	CLEAR CORRUGATED METAL PIPE CLEAN OUT CONCRETE CIRCLE	LE LF LN LOMR LP	LANDSCAPE EASEMENT LINEAR FEET LANE LETTER OF MAP REVISION LOW POINT	TOF TOP TW TYP UDFCD	TOP OF FOUNDATION TOP OF PIPE TOP OF WALL TYPICAL URBAN DRAINAGE AND FLO
CT	COURT STEEL PIPE	LS LT	LEFT	UE	UTILITY EASEMENT

MAX MAXIMUM

NORTH

MDDP MASTER DEVELOPMENT

OHE OVERHEAD ELECTRIC

PCC POINT OF COMPOUND

CURVATURE

OVERHEAD UTILITY

POINT OF CURVATURE

POINT OF CURB RETURN

PROFESSIONAL ENGINEER

PRELIMINARY DEVELOPMENT

DRAINAGE PLAN

VITRIFIED CLAY PIPE

VERTICAL POINT OF

INTERSECTION

WATER LINE

WATER MAIN

DEPARTMENT

WS WATER SURFACE

WTR WATER YR YEAR

CONCRETE THRUST REDUCER BLOCK

DESIGN REVIEW COMMITTEE

CY CUBIC YARD
DBPS DRAINAGE BASIN PLANNING

DRAINAGE EASEMENT

DUCTILE IRON PIPE

DWELLING UNITS

ENERGY GRADE LINE

EDGE OF ASPHALT

DIAMETER

DRIVE

EACH

ESMT EASEMENTEST ESTIMATE
EX EXISTING

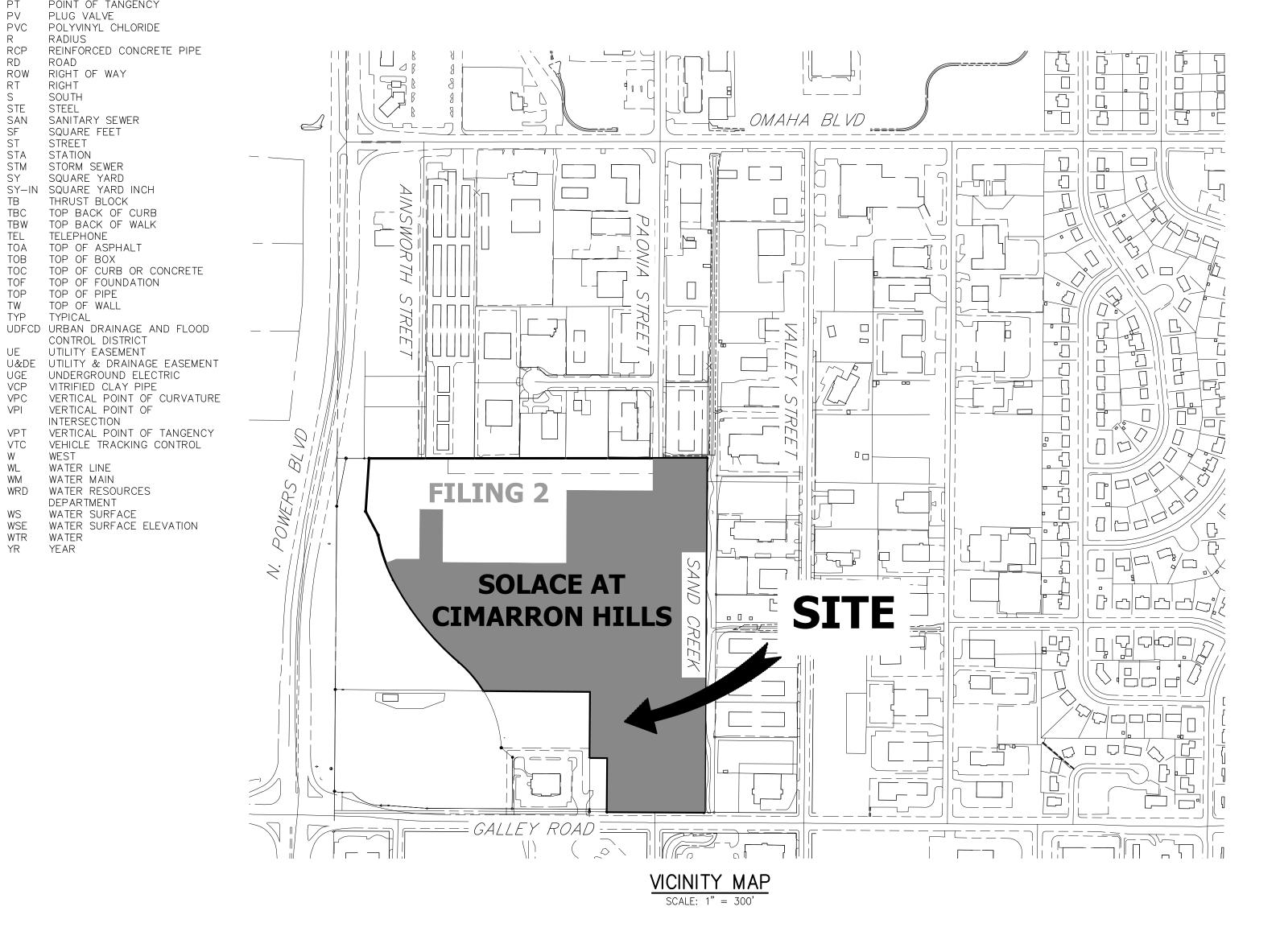
ELEVATION

ELECTRIC

EASEMENT

DE DIA DIP DR DRC DU

EGL EL ELEC EOA



SHEET INDEX

TOTAL 10

COVER SHEET LEGEND & NOTES TYPICAL SECTIONS OVERALL UTILITY PLAN ROADWAY PLAN AND PROFILE SIGNAGE AND STRIPING PLAN DETAILS

APPLICANT/OWNER

JACKSON DEARBORN PARTNERS 404 S. WELLS ST. SUITE 400 CHICAGO, IL 60607 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

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

ARCHITECT

N.E.S. INC.

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



J·R ENGINEERING

Know what's below.

Call before you dig.

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

SHEET 1 OF 10 JOB NO. **25174.00**

PAONIA STREET IMPROVEMENTS

ENGINEER'S STATEMENT PREPARED UNDER MY SUPERVISION

FOR AND ON BEHALF OF JR ENGINEERING

LAYER LINETYPE LEGEND

	EXISTING	ê	PROPO	OSED
MATCH LINE				
SECTION LINE	 			
BOUNDARY LINE				
PROPERTY LINE	 			
EASEMENT LINE	 			
RIGHT OF WAY	 			
CENTERLINE	 _			
FENCE	 ×	×	×	×
GUARDRAIL	 <u> </u>	ш		
CABLE TV	 		TV	TV
ELECTRIC	 E	E	—— Е —	— Е ——
FIBER OPTIC	 - <i> F0</i> -	FO	F0	—— F0 ———
GAS MAIN	 G	G	G	G
IRRIGATION MAIN	 - — —/RR— — -	IRR	IRR	IRR
OVERHEAD UTILITY	 — — ОНИ— — -	— — ОНИ———	OHU	OHU
SANITARY SEWER	 s	s		
STORM DRAIN	 			
TELEPHONE	 <i>T</i>	<i>T</i>	т	т
WATER MAIN	 W	w	•	
SWALE/WATERWAY FLOWLINE	 			
DIVERSION DITCH			——	——
TOP OF SLOPE	 			
TOE OF SLOPE	 		i	
100 YEAR FLOODPLAIN	 		100\	′R
5 YEAR HGL				
100 YEAR HGL				
100 YEAR HGL				<u></u>

STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS

- 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
- 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 EINGEERI9NG 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 FUGITIVE 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
- 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 OWENER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

UTILITIES LEGEND

	EXISTING	PROPOSED
STORM SEWER		
MANHOLE	(D)	
STORM INLET		
AREA INLET — SQUARE		
7.0.12.7. 11.122.7. 0 3.07.0.12		
FLARED END SECTION	D	
RIPRAP		
KIFKAF	202000	20200
SANITARY SEWER		
LINE MARKER	Mkr San ^O	
SERVICE MARKER	Ś	
CLEAN-OUT	~	•
MANHOLE W/ DIRECTIONAL FLOW ARROW	S⋈	•
WATER LINE		
LINE MARKER	Mkr W [○]	
SERVICE MARKER	\triangle	
FIRE HYDRANT	Q	€
MANHOLE	W	•
BEND		X
BLOW-OFF VALVE	⊱ E	\$ _E
WELL	\circ_{WELL}	●well
METER	®	•
VALVE	\bowtie	•
REDUCER		←
CROSS		++-
PLUG W/ THRUST BLOCK	Þ	• •[
TEE		+ 1 +
AIR & VACUUM		_
VALVE ASSEMBLY		₹
CASIME		

GAS LINE

MARKER	Mkr G ^C
SERVICE MARKER	<u>/</u> d
METER	(
VALVE	\triangleright
PLUG	[

DRY UTILITIES CABLE TV MARKER Mkr TV^O CABLE TELEVISION PEDESTAL ELECTRIC MARKER Mkr E[○] ELECTRIC SERVICE MARKER ELECTRICAL PEDESTAL ELECTRICAL METER ELECTRICAL MANHOLE FIBER-OPTIC MARKER Mkr F0[○] IRRIGATION PEDESTAL TELEPHONE MARKER Mkr T[○] TELEPHONE PEDESTAL TELEPHONE MANHOLE UTILITY POLE

GUY ANCHOR

GUY POLE

MONUMENTATION LEGEND

ALUMINUM CAP — FOUND	$ullet_{AC}$
BRASS CAP - FOUND	● _{BC}
BENCHMARK - FOUND	
CROSS - FOUND	- ∏-
MONUMENT - SET	0
MONUMENT — FOUND (DEFAULT)	•
MONUMENT — FOUND (ALTERNATE 1)	
MONUMENT — FOUND (ALTERNATE 2)	
MONUMENT — FOUND (ALTERNATE 3)	A
MONUMENT — FOUND (ALTERNATE 4)	À
MONUMENT — FOUND (ALTERNATE 5)	•
MONUMENT — FOUND (ALTERNATE 6)	
MONUMENT — FOUND (ALTERNATE 7)	
NAIL & WASHER — FOUND	●NAIL & WASH
PANEL - FOUND	人
PK NAIL — FOUND	●PK N
ROW MONUMENT — FOUND	-
ROW MARKER - FOUND	•
SECTION CORNER - FOUND	+
SECTION CORNER - SET	\
QUARTER-SECTION CORNER - FOUND	▶●<
QUARTER-SECTION CORNER - SET	▶○◀
SECTION CENTER — FOUND	lacktriangle
SECTION CENTER — FOUND	0
CONTROL/TRAVERSE POINT - SET	\triangle

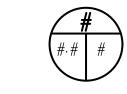
SIGNING AND STRIPING NOTES

- 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
- 3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
- 4. ALL SIGNS SHO9WN ON THE SIGNING AND STRIPING PLANN 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
- 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 SLIPBASE 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
- 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.

DRAINAGE REPORT PLANS

KEY BASIN DESIGNATION (NO COEFFICIENT)





BASIN DESIGNATION (2 COEFFICIENTS)

IDENTIFIER

(DEVELOPED)

DRAINAGE POINT



BASIN DESIGNATION (HISTORIC)



#\ #\#\

SUB-BASIN DESIGNATION (DEVELOPED)

DRAINAGE PIPE (##)IDENTIFIER

DRAINAGE POINT IDENTIFIER (HEXAGONAL)

IDENTIFIER (TRIANGULAR) SWMM DESIGNATION 1

SWMM DESIGNATION 2



SWMM DESIGNATION 3

SWMM DESIGNATION 4



LANDSCAPE LEGEND

	EXISTING	PROPOSED
REE — CONIFEROUS		**
REE — DECIDUOUS		£35
HRUB/BUSH	Θ	9
HRUBS AND BUSHES	{\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	{\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
RRIGATION BOX	IB	
RRIGATION SPRINKLER	\otimes	
RRIGATION VALVE	\otimes	
OLLARD	₩	

FLAGPOLE

Know what's below. Call before you dig.

ENGINEER'S STATEMENT

PREPARED UNDER MY SUPERVISION

MIKE A. BRAMLETT, P.E.

COLORADO P.E. 32314

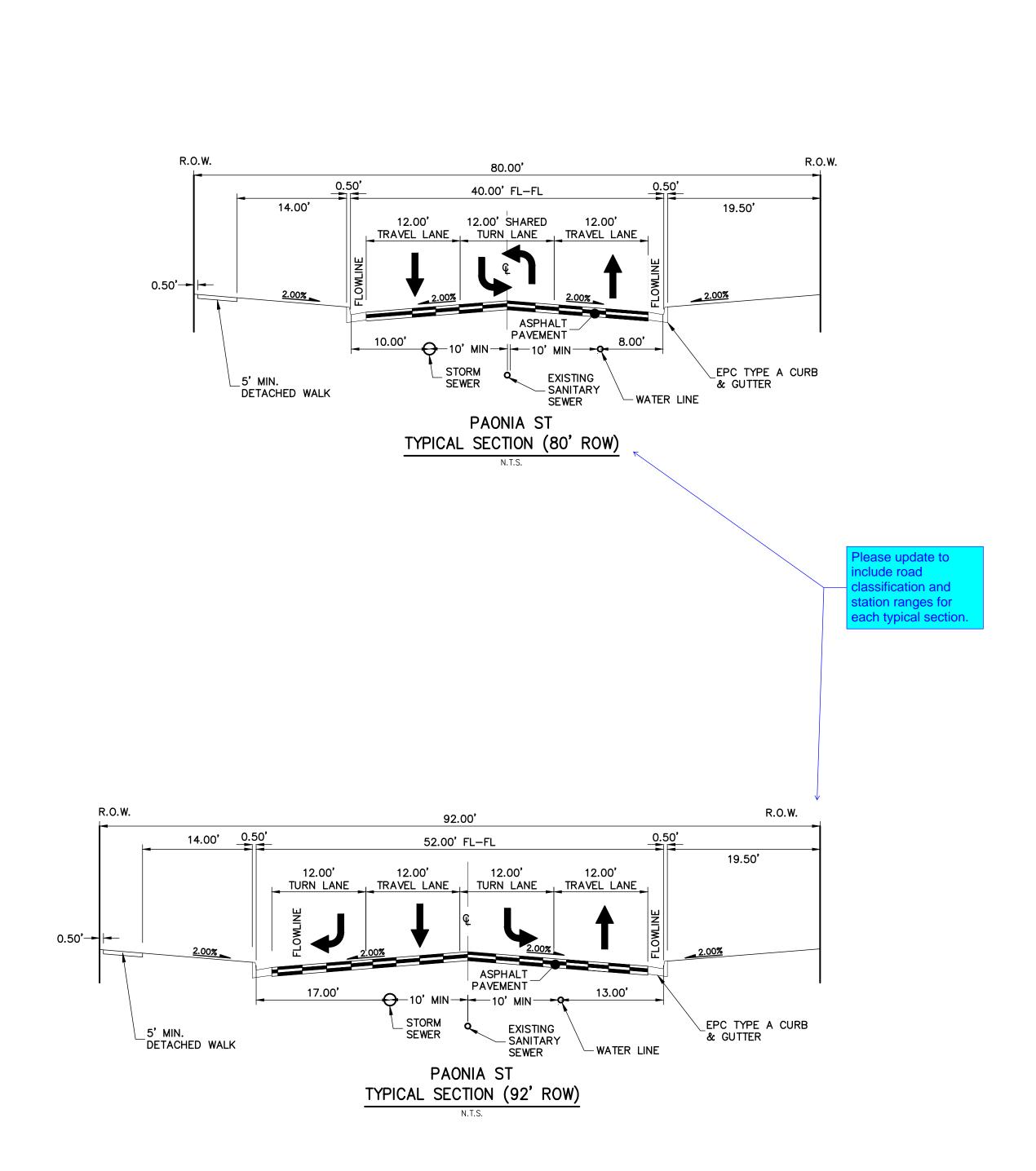
32314 FOR AND ON BEHALF OF JR ENGINEERING

SHEET 2 OF 10 JOB NO. **25174.00**

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PAONIA IMPROVE



PROPOSED ROADWAY PAVEMENT SECTION

FINAL PAVEMENT SECTION SHALL BE PER GEOTECHNICAL RECOMMENDATIONS

WITHIN THE APPROVED PAVEMENT DESIGN REPORT.

ASPHALT IN FOLLOWING LIFTS:

2.0" HMA (GRADING SX) (75) (PG 64-22 2.0" HMA (GRADING S) (75) (PG 64-22)

■ 8" AGGREGATE BASE COURSE (CLASS 6)

12" MOISTURE TREATED SUBGRADE, COMPACTED
TO AT LEAST 95% OF MAXIMUM MODIFIED PROCTOR DRY DENSITY (ASTM D 1557, AASHTO T 180)



ENGINEER'S STATEMENT PREPARED UNDER MY SUPERVISION [≥] 32314

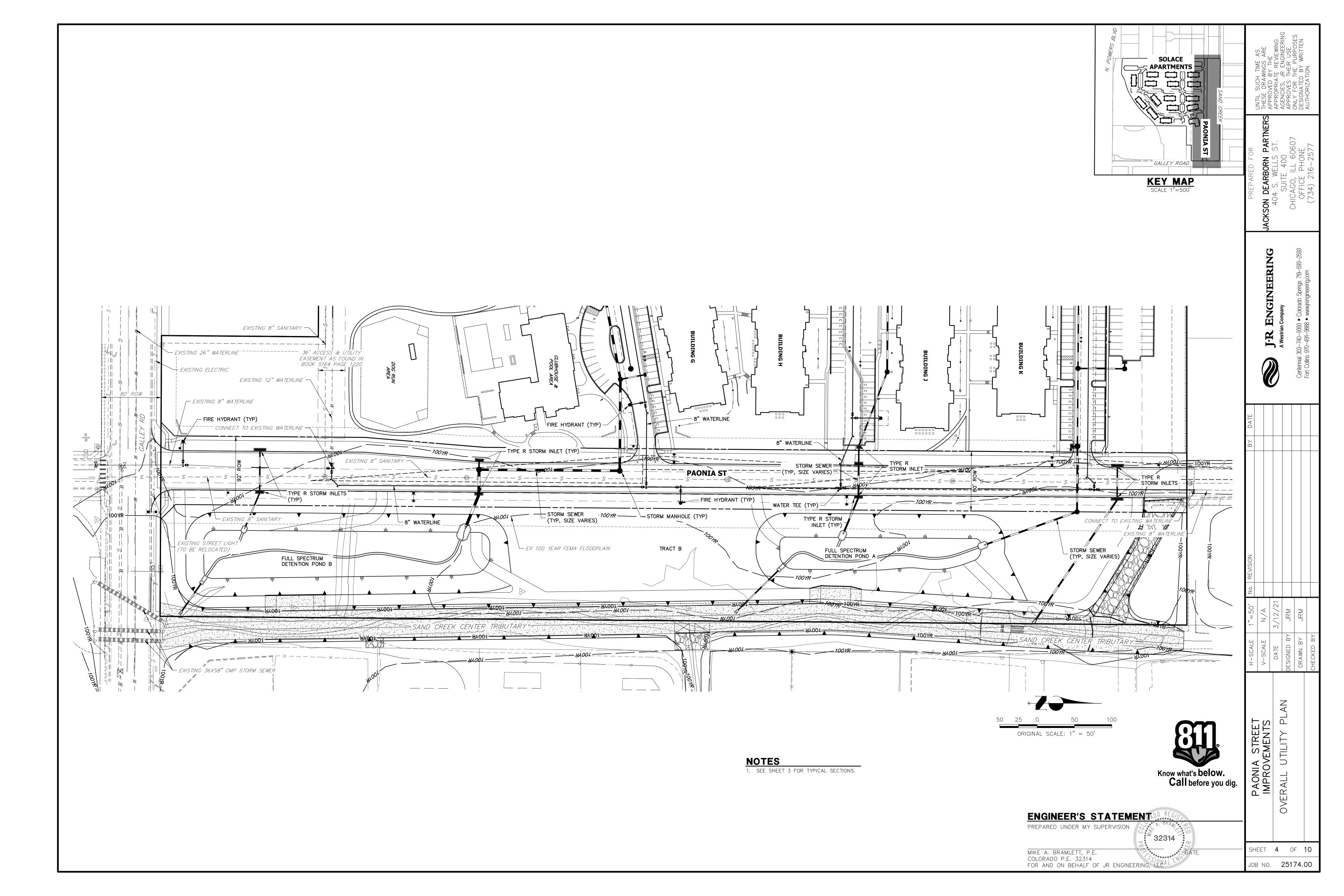
MIKE A. BRAMLETT, P.E.

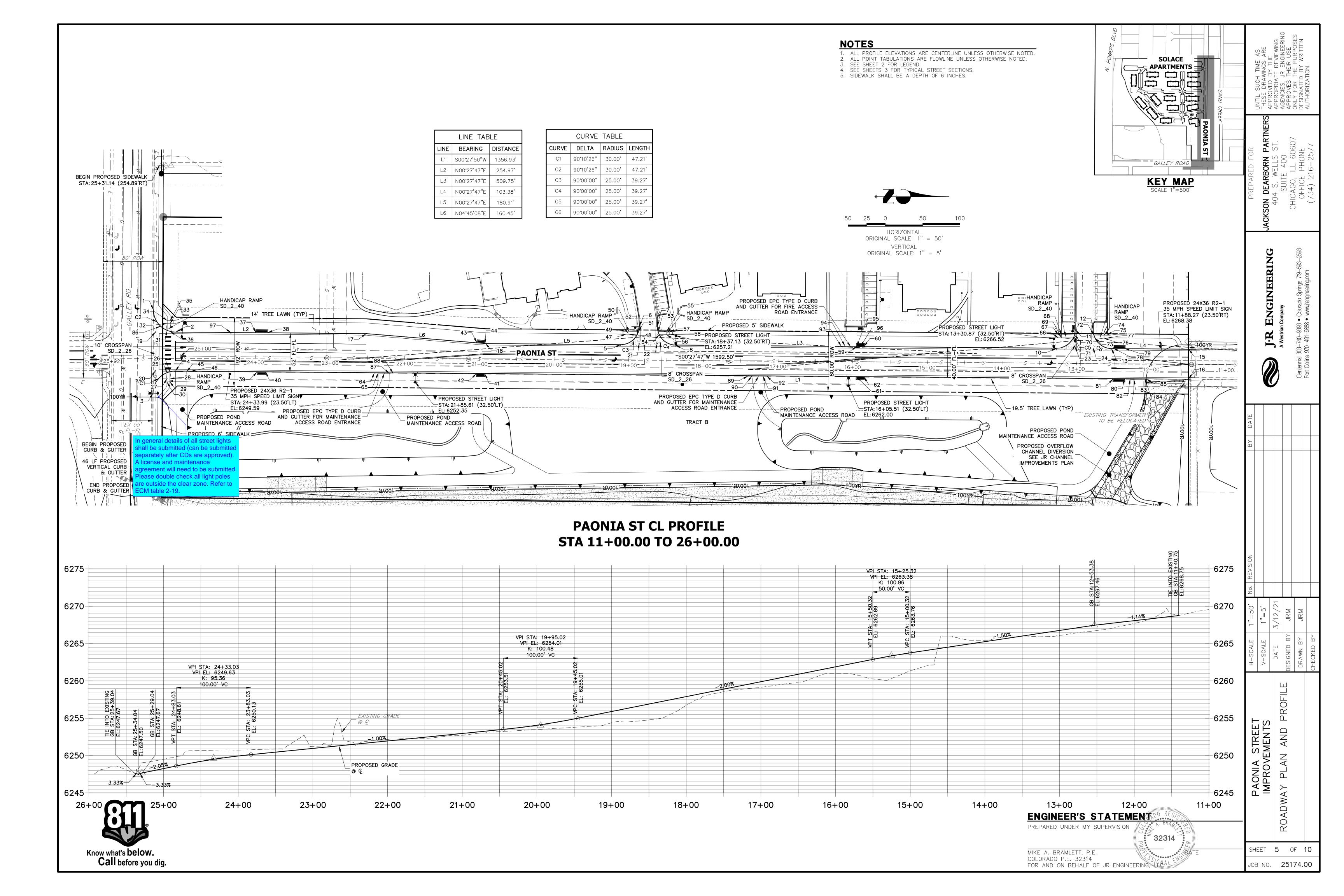
COLORADO P.E. 32314

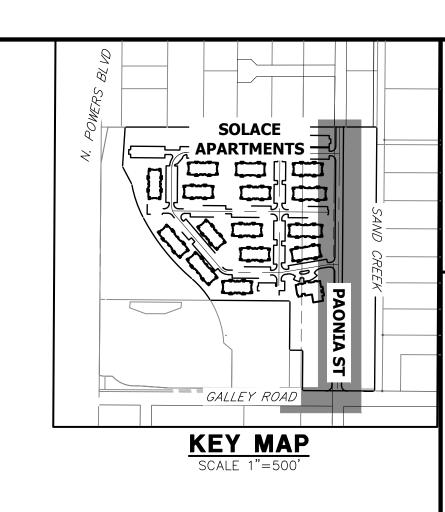
FOR AND ON BEHALF OF JR ENGINEERING,

SHEET 3 OF 10 JOB NO. **25174.00**

PAONIA STREET IMPROVEMENTS TYPICAL SECTIONS







NOTES

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

POINT TABULATION							
POINT NUMBER	STATION	OFFSET	ALIGNMENT	ELEVATION	DESCRIPTION		
1	25+37.20	61.91' (RT)	PAONIA ST CL	6247.94	TIE INTO EXISTING		
2	25+07.01	32.00' (RT)	PAONIA ST CL	6247.98	PCR		
3	25+36.89	50.09' (LT)	PAONIA ST CL	6247.33	TIE INTO EXISTING		
4	25+06.89	20.00' (LT)	PAONIA ST CL	6247.71	PCR		
5	19+11.15	20.00' (RT)	PAONIA ST CL	6255.16	PCR		
6	18+86.15	45.00' (RT)	PAONIA ST CL	6256.06	PCC		
7	18+62.15	45.00' (RT)	PAONIA ST CL	6256.15	PCC		
8	18+37.15	20.00' (RT)	PAONIA ST CL	6256.64	PCR		
9	25+36.56	137.22' (LT)	PAONIA ST CL	6246.81	BEGIN C&G		
10	13+27.39	20.00' (RT)	PAONIA ST CL	6265.83	PCR		
11	13+02.39	45.00' (RT)	PAONIA ST CL	6266.38	PCR		
12	12+78.38	45.00' (RT)	PAONIA ST CL	6266.99	PCR		
13	12+53.39	20.00' (RT)	PAONIA ST CL	6266.94	PCR		
14	25+36.49	183.62' (LT)	PAONIA ST CL	6246.72	END C&G		
15	11+50.00	20.00' (RT)	PAONIA ST CL	6269.53	TIE INTO EXISTING		
16	11+50.00	20.00' (LT)	PAONIA ST CL	6268.22	TIE INTO EXISTING		
17	22+52.04	32.00' (RT)	PAONIA ST CL	6250.68	PI		
18	20+92.04	20.00' (RT)	PAONIA ST CL	6252.51	PI		
19	25+34.14	32.00' (RT)	PAONIA ST CL	6247.62	FL-FL INTERCEPT		
20	25+33.98	20.00' (LT)	PAONIA ST CL	6247.45	FL-FL INTERCEPT		
21	18+86.13	22.00' (RT)	PAONIA ST CL	6255.46	FL-FL INTERCEPT		
22	18+62.13	22.00' (RT)	PAONIA ST CL	6255.86	FL-FL INTERCEPT		
23	13+02.38	22.00' (RT)	PAONIA ST CL	6266.05	FL-FL INTERCEPT		
24	12+78.38	21.00' (RT)	PAONIA ST CL	6266.56	FL-FL INTERCEPT		

		POIN	TABULATIO	N	
POINT NUMBER	STATION	OFFSET	ALIGNMENT	ELEVATION	DESCRIPTION
25	25+18.30	22.25' (LT)	PAONIA ST CL	6247.62	FL AT RAMP
26	25+14.30	20.93' (LT)	PAONIA ST CL	6247.65	FL AT RAMP
27	25+18.27	30.69' (LT)	PAONIA ST CL	6248.13	TOP OF RAMP
28	25+14.29	30.70' (LT)	PAONIA ST CL	6248.20	TOP OF RAMP
29	25+14.28	34.70' (LT)	PAONIA ST CL	6248.16	LANDING
30	25+18.28	34.69' (LT)	PAONIA ST CL	6248.09	LANDING
31	25+18.46	34.20' (RT)	PAONIA ST CL	6247.86	FL AT RAMP
32	25+18.49	43.49' (RT)	PAONIA ST CL	6248.39	TOP OF RAMP
33	25+14.49	43.50' (RT)	PAONIA ST CL	6248.46	TOP OF RAMP
34	25+18.51	47.49' (RT)	PAONIA ST CL	6248.43	LANDING
35	25+14.50	47.50' (RT)	PAONIA ST CL	6248.54	LANDING
36	25+14.46	32.90' (RT)	PAONIA ST CL	6247.91	FL AT RAMP
37	23+99.99	32.50' (RT)	PAONIA ST CL	6249.65	TBC AT INLET CORNER
38	23+83.66	32.50' (RT)	PAONIA ST CL	6249.86	TBC AT INLET CORNER
39	23+97.49	20.50' (LT)	PAONIA ST CL	6250.01	TBC AT INLET CORNER
40	23+86.16	20.50' (LT)	PAONIA ST CL	6250.15	TBC AT INLET CORNER
41	20+92.55	20.50' (LT)	PAONIA ST CL	6253.09	TBC AT INLET CORNER
42	21+03.88	20.50' (LT)	PAONIA ST CL	6252.98	TBC AT INLET CORNER
43	21+03.83	21.38' (RT)	PAONIA ST CL	6252.88	TBC AT INLET CORNER
44	20+92.52	20.54' (RT)	PAONIA ST CL	6253.01	TBC AT INLET CORNER
45	24+91.88	20.83' (LT)	PAONIA ST CL	6248.51	TBC AT PI
46	24+86.88	20.50' (LT)	PAONIA ST CL	6248.61	TBC AT PI
47	19+04.06	34.00' (RT)	PAONIA ST CL	6256.20	LANDING
48	19+00.06	34.00' (RT)	PAONIA ST CL	6256.28	TOP OF RAMP

POINT TABULATION								
POINT NUMBER	STATION	OFFSET	ALIGNMENT	ELEVATION	DESCRIPTION			
49	19+04.06	38.00' (RT)	PAONIA ST CL	6256.28	LANDING			
50	19+00.06	38.00' (RT)	PAONIA ST CL	6256.35	TOP OF RAMP			
51	18+87.13	38.00' (RT)	PAONIA ST CL	6255.91	FL AT RAMP			
52	18+88.68	34.00' (RT)	PAONIA ST CL	6255.83	FL AT RAMP			
53	18+61.13	38.00' (RT)	PAONIA ST CL	6256.10	FL AT RAMP			
54	18+59.58	34.00' (RT)	PAONIA ST CL	6256.17	FL AT RAMP			
55	18+49.53	38.00' (RT)	PAONIA ST CL	6256.90	TOP OF RAMP			
56	18+49.53	34.00' (RT)	PAONIA ST CL	6256.82	TOP OF RAMP			
57	18+45.53	38.00' (RT)	PAONIA ST CL	6256.98	LANDING			
58	18+45.53	34.00' (RT)	PAONIA ST CL	6256.92	LANDING			
59	15+94.84	20.50' (RT)	PAONIA ST CL	6261.77	TCB AT INLET CORNER			
60	15+84.84	20.50' (RT)	PAONIA ST CL	6262.17	TCB AT INLET CORNER			
61	15+94.84	20.50' (LT)	PAONIA ST CL	6261.97	TCB AT INLET CORNER			
62	15+84.84	20.50' (LT)	PAONIA ST CL	6262.17	TCB AT INLET CORNER			
64	22+40.58	20.50' (LT)	PAONIA ST CL	6251.61	TBC AT PI			
65	22+35.58	20.83' (LT)	PAONIA ST CL	6251.67	TBC AT PI			
66	13+24.85	34.01' (RT)	PAONIA ST CL	6266.66	LANDING			
67	13+24.85	38.00' (RT)	PAONIA ST CL	6266.73	LANDING			
68	13+20.88	38.00' (RT)	PAONIA ST CL	6266.80	TOP OF RAMP			
69	13+20.88	34.00' (RT)	PAONIA ST CL	6266.74	TOP OF RAMP			
70	13+03.38	38.00' (RT)	PAONIA ST CL	6266.27	FL AT RAMP			
71	13+04.93	34.00' (RT)	PAONIA ST CL	6266.21	FL AT RAMP			
72	12+77.38	38.00' (RT)	PAONIA ST CL	6266.92	FL AT RAMP			
73	12+75.83	34.00' (RT)	PAONIA ST CL	6266.85	FL AT RAMP			

	POINT TABULATION								
POINT NUMBER	STATION	OFFSET	ALIGNMENT	ELEVATION	DESCRIPTION				
74	12+63.77	38.00' (RT)	PAONIA ST CL	6267.44	TOP OF RAMP				
75	12+59.77	38.00' (RT)	PAONIA ST CL	6267.52	LANDING				
76	12+63.77	34.00' (RT)	PAONIA ST CL	6267.38	TOP OF RAMP				
77	12+59.74	34.00' (RT)	PAONIA ST CL	6267.46	LANDING				
78	12+50.88	20.50' (RT)	PAONIA ST CL	6267.46	TCB AT INLET CORNER				
79	12+35.88	20.50' (RT)	PAONIA ST CL	6267.63	TCB AT INLET CORNER				
80	12+35.88	20.51' (LT)	PAONIA ST CL	6267.63	TCB AT INLET CORNER				
81	12+50.88	20.51' (LT)	PAONIA ST CL	6267.45	TCB AT INLET CORNER				
82	12+28.32	20.50' (LT)	PAONIA ST CL	6267.71	TBC AT PI				
83	12+23.32	20.83' (LT)	PAONIA ST CL	6267.77	TBC AT PI				
84	12+08.32	20.83' (LT)	PAONIA ST CL	6267.94	TBC AT PI				
85	12+06.32	20.50' (LT)	PAONIA ST CL	6267.47	TBC AT PI				
86	25+27.36	39.79' (RT)	PAONIA ST CL	6247.76	GRADE BREAK				
87	22+20.58	20.83' (LT)	PAONIA ST CL	6251.82	TBC AT PI				
88	22+15.58	20.50' (LT)	PAONIA ST CL	6251.86	TBC AT PI				
89	17+40.02	20.50' (LT)	PAONIA ST CL	6259.16	TBC AT PI				
90	17+34.97	20.83' (LT)	PAONIA ST CL	6259.26	TBC AT PI				
91	17+19.78	20.83' (LT)	PAONIA ST CL	6259.57	TBC AT PI				
92	17+14.84	20.50' (LT)	PAONIA ST CL	6259.66	TBC AT PI				
93	16+15.67	20.50' (RT)	PAONIA ST CL	6261.55	TBC AT PI				
94	16+10.67	20.83' (RT)	PAONIA ST CL	6261.65	TBC AT PI				
95	15+94.84	20.83' (RT)	PAONIA ST CL	6261.97	TBC AT PI				
96	15+89.67	20.50' (RT)	PAONIA ST CL	6262.07	TBC AT PI				
97	24+33.10	32.00' (RT)	PAONIA ST CL	6248.74	GRADE BREAK				

 STATION	OFFSET	ALIGNMENT	ELEVATION	DESCRIP HON
12+63.77	38.00' (RT)	PAONIA ST CL	6267.44	TOP OF RAMP
12+59.77	38.00' (RT)	PAONIA ST CL	6267.52	LANDING
12+63.77	34.00' (RT)	PAONIA ST CL	6267.38	TOP OF RAMP
12+59.74	34.00' (RT)	PAONIA ST CL	6267.46	LANDING
12+50.88	20.50' (RT)	PAONIA ST CL	6267.46	TCB AT INLET CORNER
12+35.88	20.50' (RT)	PAONIA ST CL	6267.63	TCB AT INLET CORNER
12+35.88	20.51' (LT)	PAONIA ST CL	6267.63	TCB AT INLET CORNER
12+50.88	20.51' (LT)	PAONIA ST CL	6267.45	TCB AT INLET CORNER
12+28.32	20.50' (LT)	PAONIA ST CL	6267.71	TBC AT PI
12+23.32	20.83' (LT)	PAONIA ST CL	6267.77	TBC AT PI
12+08.32	20.83' (LT)	PAONIA ST CL	6267.94	TBC AT PI
12+06.32	20.50' (LT)	PAONIA ST CL	6267.47	TBC AT PI
25+27.36	39.79'(RT)	PAONIA ST CL	6247.76	GRADE BREAK
22+20.58	20.83' (LT)	PAONIA ST CL	6251.82	TBC AT PI
22+15.58	20.50' (LT)	PAONIA ST CL	6251.86	TBC AT PI
17+40.02	20.50' (LT)	PAONIA ST CL	6259.16	TBC AT PI
17+34.97	20.83' (LT)	PAONIA ST CL	6259.26	TBC AT PI
17+19.78	20.83' (LT)	PAONIA ST CL	6259.57	TBC AT PI
17+14.84	20.50' (LT)	PAONIA ST CL	6259.66	TBC AT PI
16+15.67	20.50' (RT)	PAONIA ST CL	6261.55	TBC AT PI
16+10.67	20.83' (RT)	PAONIA ST CL	6261.65	TBC AT PI
15+94.84	20.83' (RT)	PAONIA ST CL	6261.97	TBC AT PI
15+89.67	20.50' (RT)	PAONIA ST CL	6262.07	TBC AT PI
24+33.10	32.00' (RT)	PAONIA ST CL	6248.74	GRADE BREAK

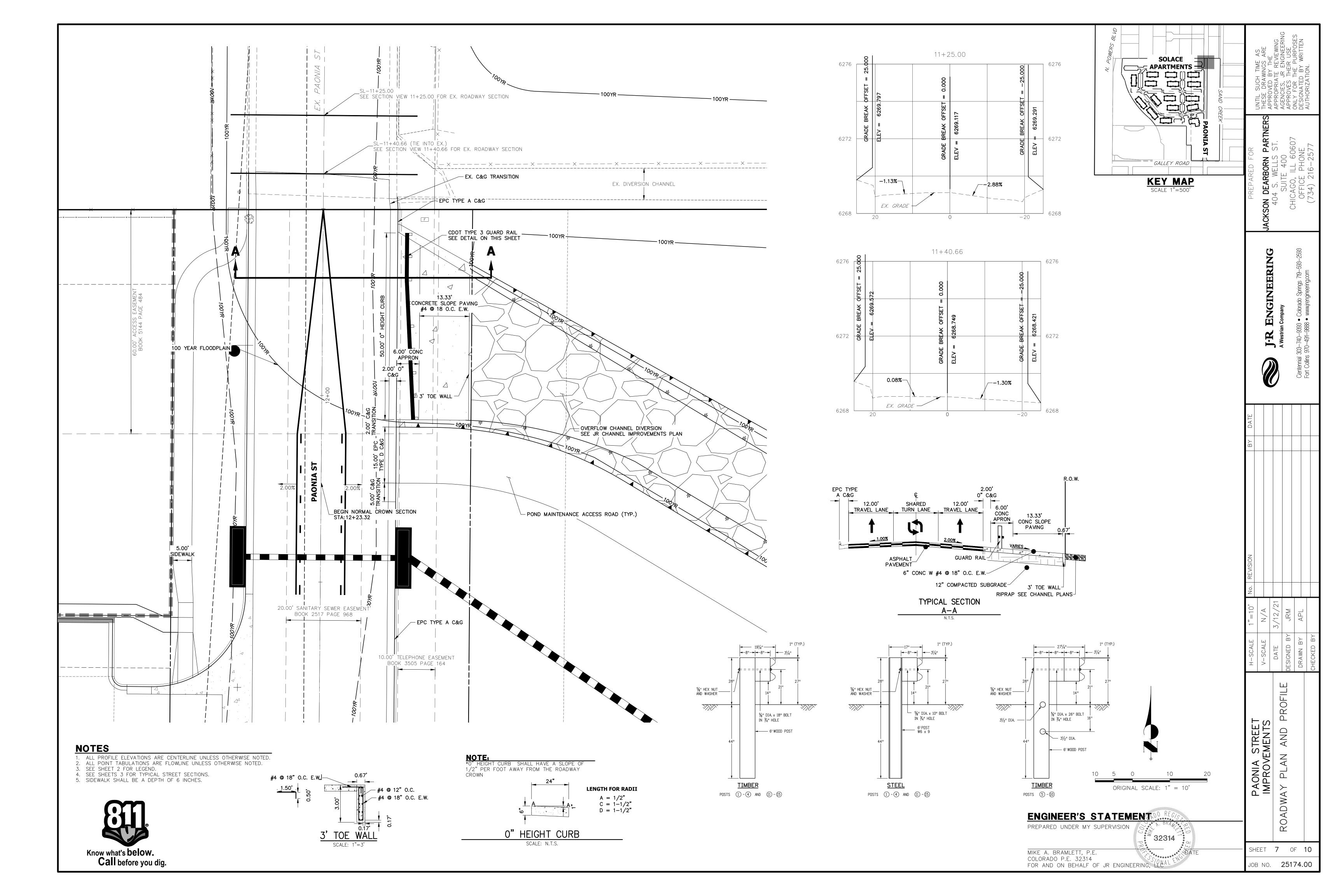
Know what's **below. Call** before you dig.

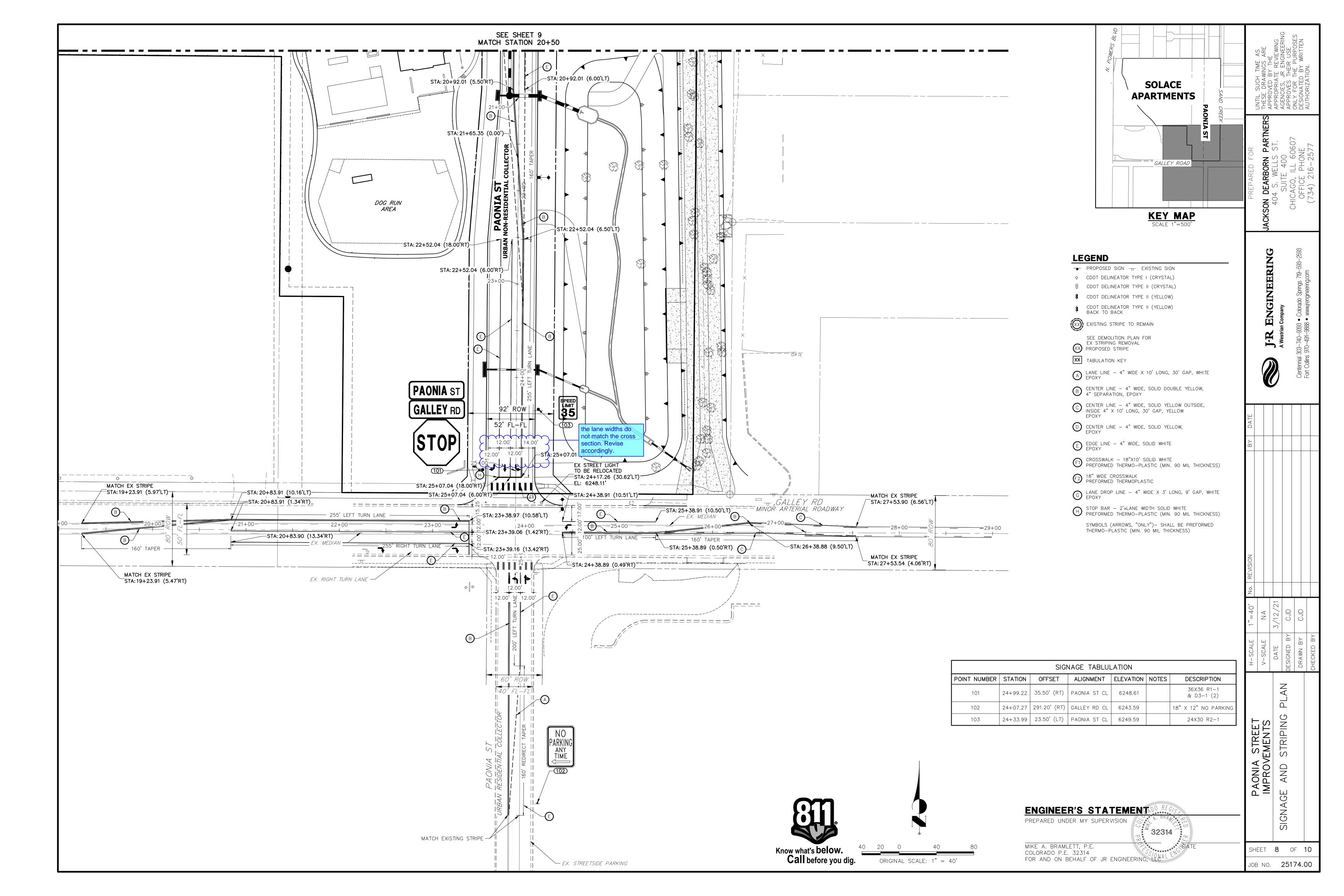
ENGINEER'S STATEMENT OF RECO 32314 PREPARED UNDER MY SUPERVISION

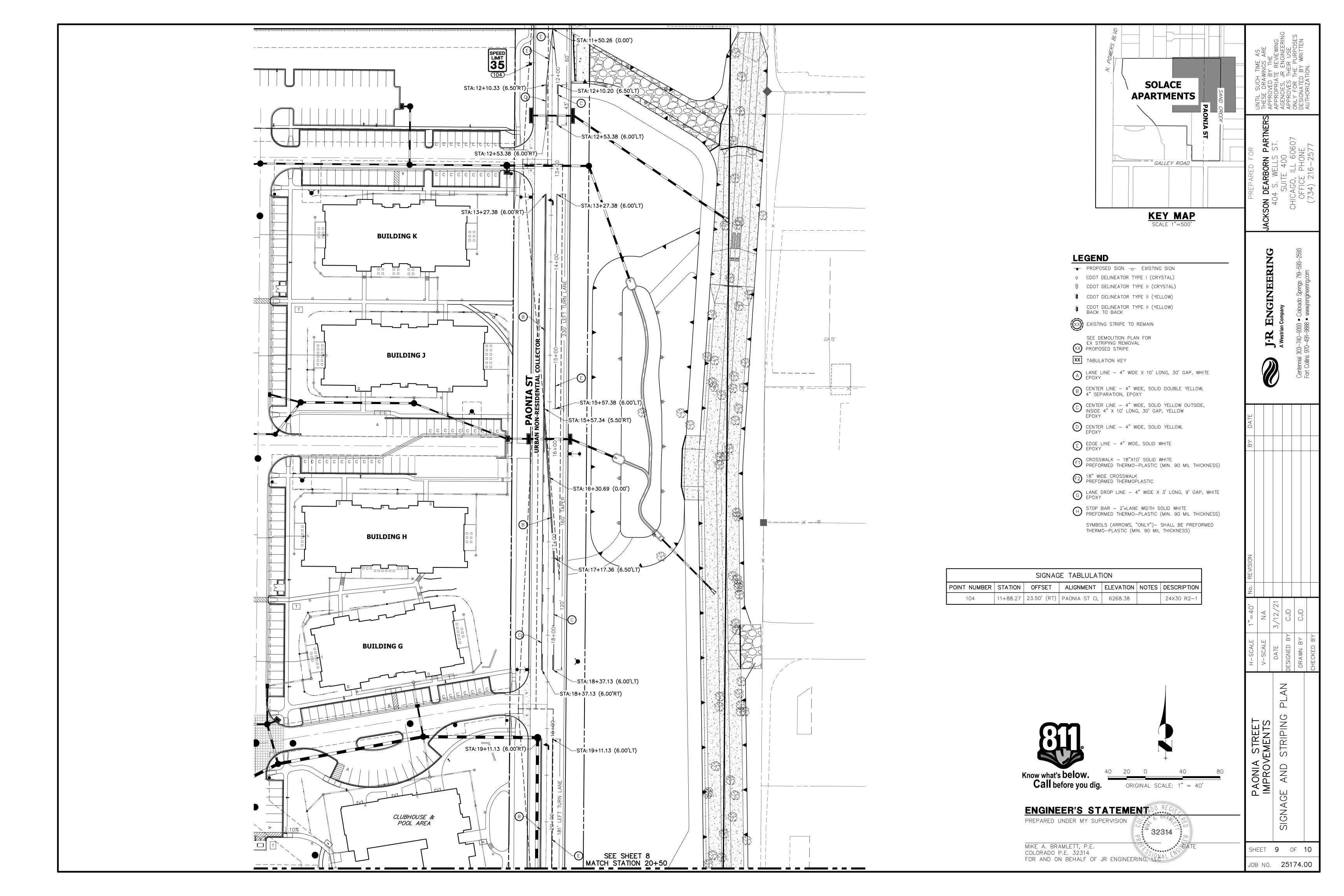
MIKE A. BRAMLETT, P.E.
COLORADO P.E. 32314
FOR AND ON BEHALF OF JR ENGINEERING,

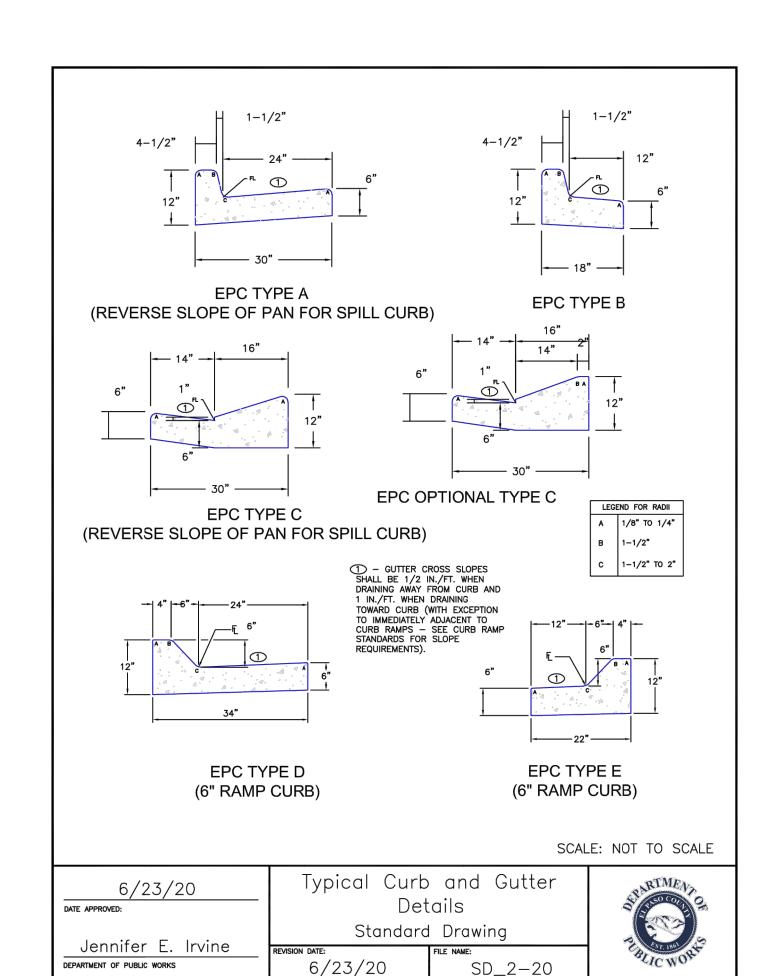
SHEET 6 OF 10

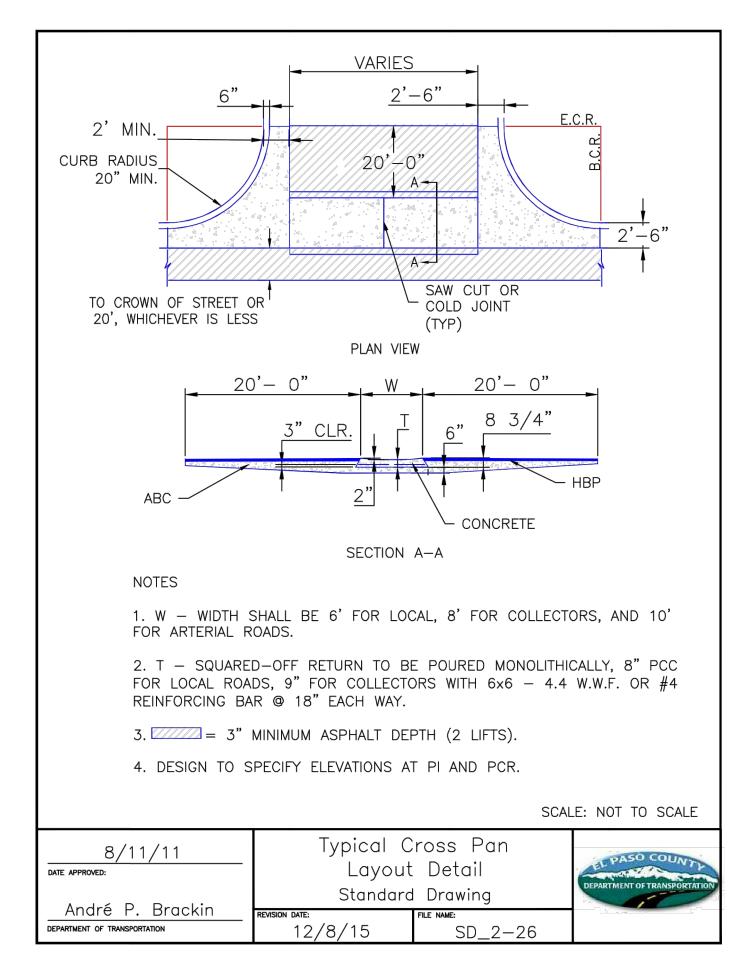
PAONIA STREET
IMPROVEMENTS
ROADWAY PLAN AND PR JOB NO. **25174.00**

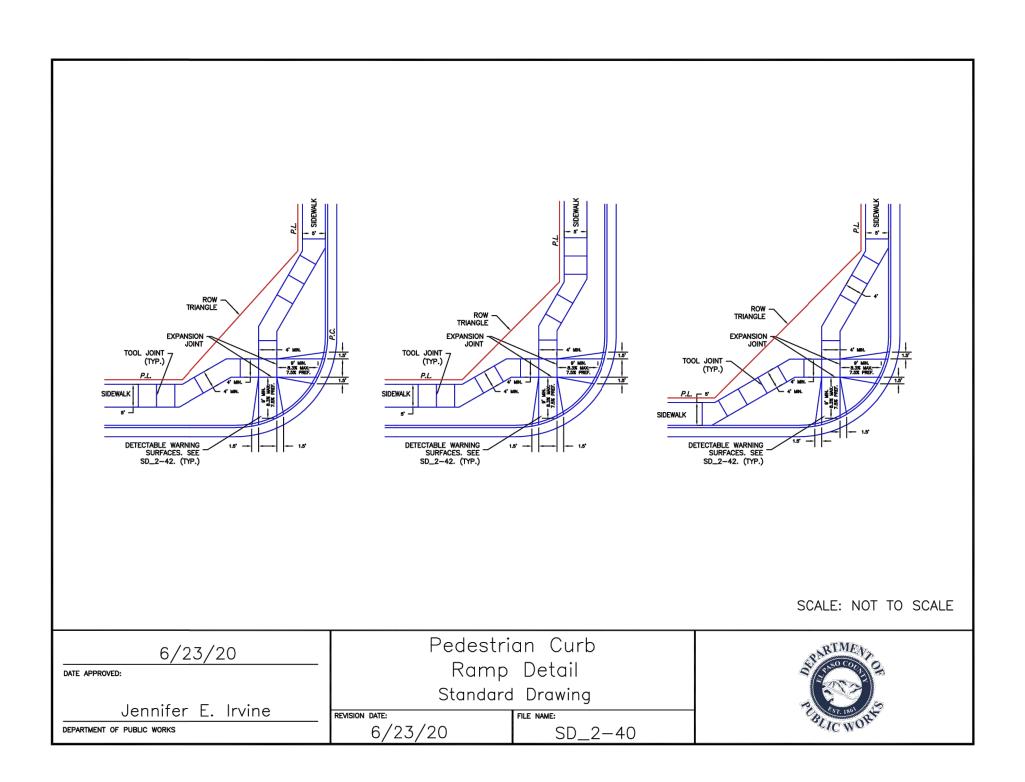


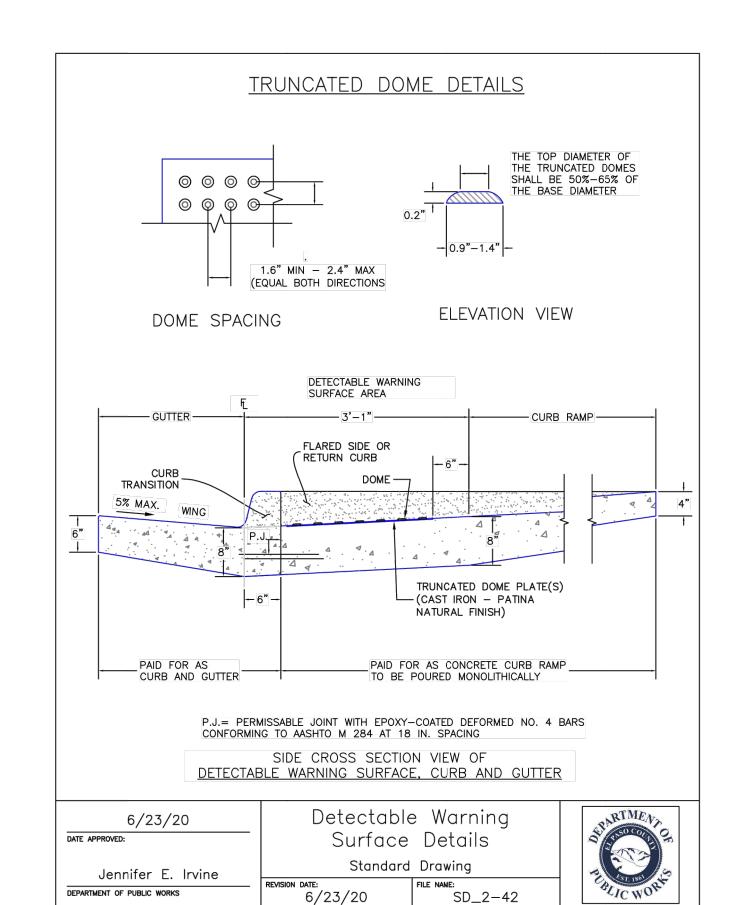


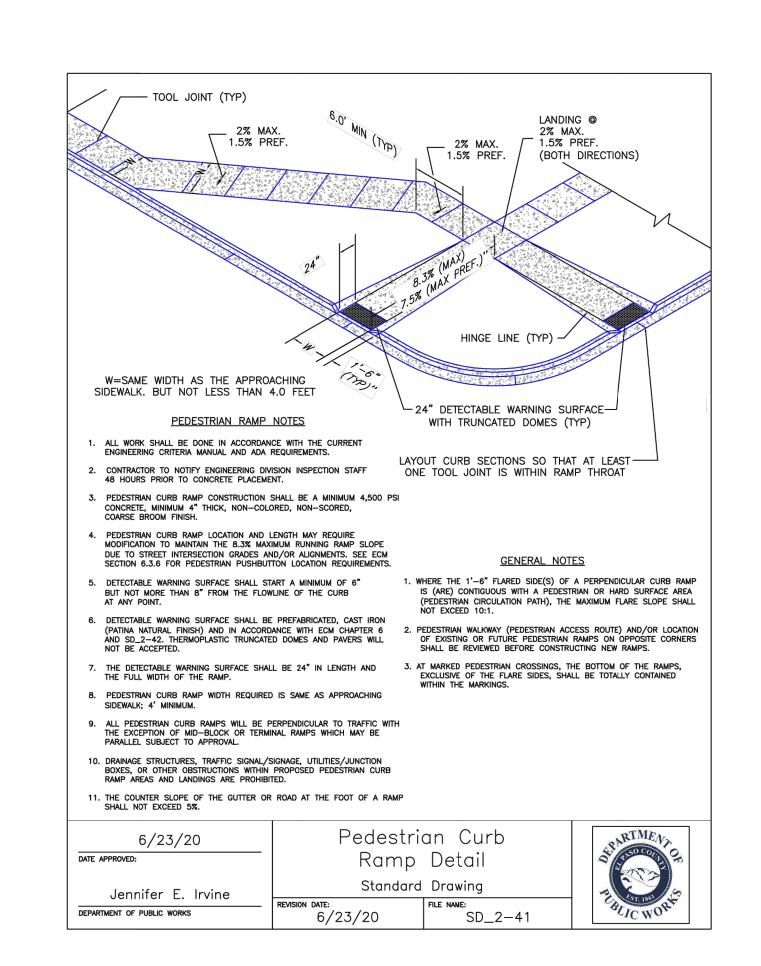


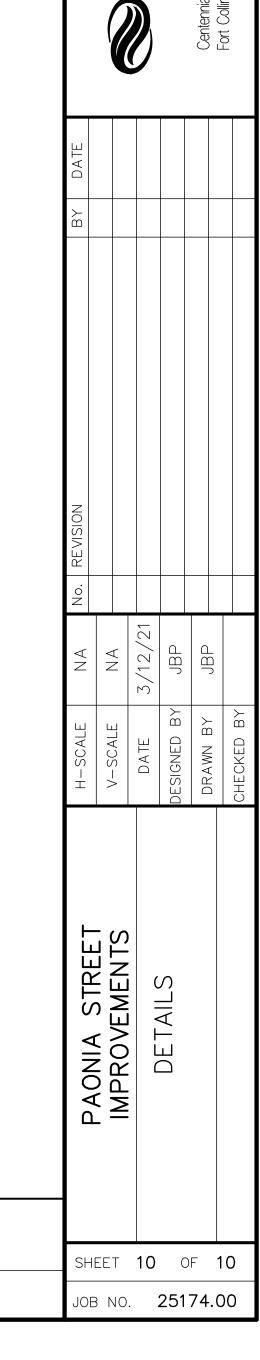






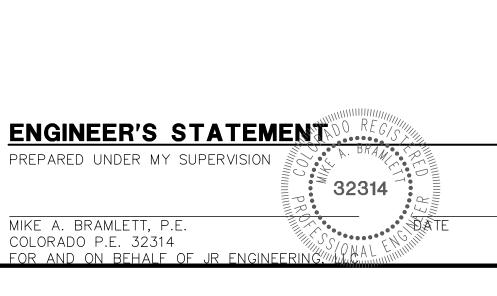






ENGINEERIN

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CONTACTS:

PLANNER

JACKSON DEARBORN PARTNERS 404 S. WELLS STREET, SUITE 400 OWNER/DEVELOPER

CHICAGO, IL 60607 ATTN: DANE OLMSTEAD

 $P \sim (734) 216 - 2577$

ENGINEER/SURVEYOR JR ENGINEERING, LLC ATTN: MIKE A. BRAMLETT

5475 TECH CENTER DRIVE, SUITE 235 COLORADO SPRINGS, CO 80919

P~(719) 593-2593

CHEROKEE METROPOLITAN DISTICT 6250 PALMER PARK BLVD DEVELOPMENT SERVICES (CMD)

COLORADO SPRINGS, CO 80915 P~(719) 597-5080

FIRE PROTECTION DISTRICT CIMARRON HILLS FIRE DEPARTMENT

1835 TUSKEGEE PL COLORADO SPRINGS, CO 80915

P~(719) 591-0960

N.E.S., INC. 619 NORTH CASCADE AVENUE, SUITE 200

COLORADO SPRINGS, CO 80903

P~(719) 471-0073

GEOTECHNICAL CTL THOMPSON, INC 5170 MARK DABLING BLVD COLORADO SPRINGS, CO 80918

P~(719) 528-8300

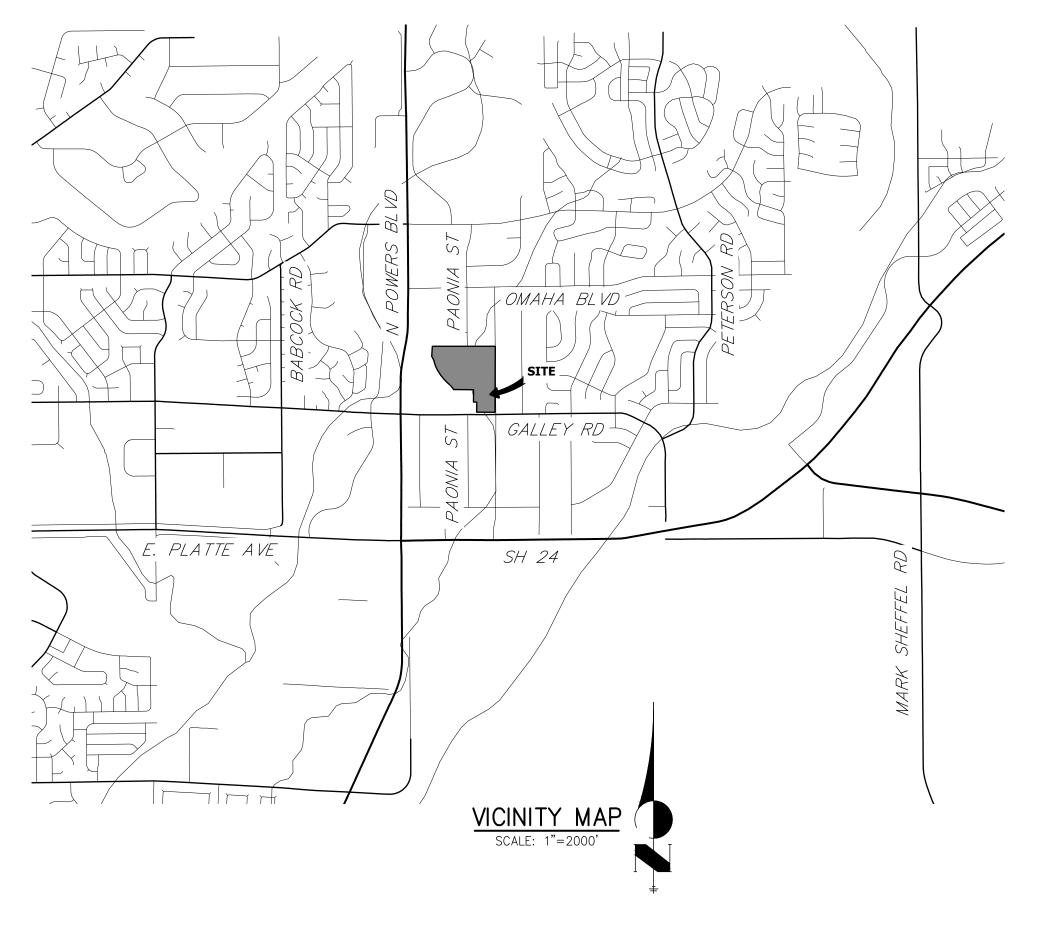
LCM ARCHITECTS ARCHITECT 819 S WABASH AVE, FIFTH FLOOR

CHICAGO, IL 60605 P~(312) 995-5305

SOLACE AT CIMARRON HILLS

SITUATED IN THE NORTHWEST QUARTER OF SECTION 7 TOWNSHIP 14 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN **COUNTY OF EL PASO, STATE OF COLORADO**

SANITARY SEWER PLAN AND PROFILE



SHEET INDEX

2 – LEGEND 3-6 - SANITARY SEWER PLAN AND PROFILE 7 - DETAIL SHEET

BASIS OF BEARINGS

THE EASTERLY LINE OF LOT 2, POWERS & GALLEY PLAZA FILING NO. 1 RECORDED IN PLAT BOOK A-4 AT PAGE 30, SAID LINE BEING MONUMENTED BY A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 22106" AT THE SOUTH END AND A 1" O.D. PIPE AT THÉ NORTH END, SAID LINE BEARING NO0°27'47"E AS SHOWN ON SAID PLAT.

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, APPROXIMATLEY 80 FEET NORTH OF THE CENTERLINE OF E PLATTE AVENUE. SAID MONUMENT HAVING A PUBLISHED ELEVATION OF 6275.86 FEET, NAVD88.

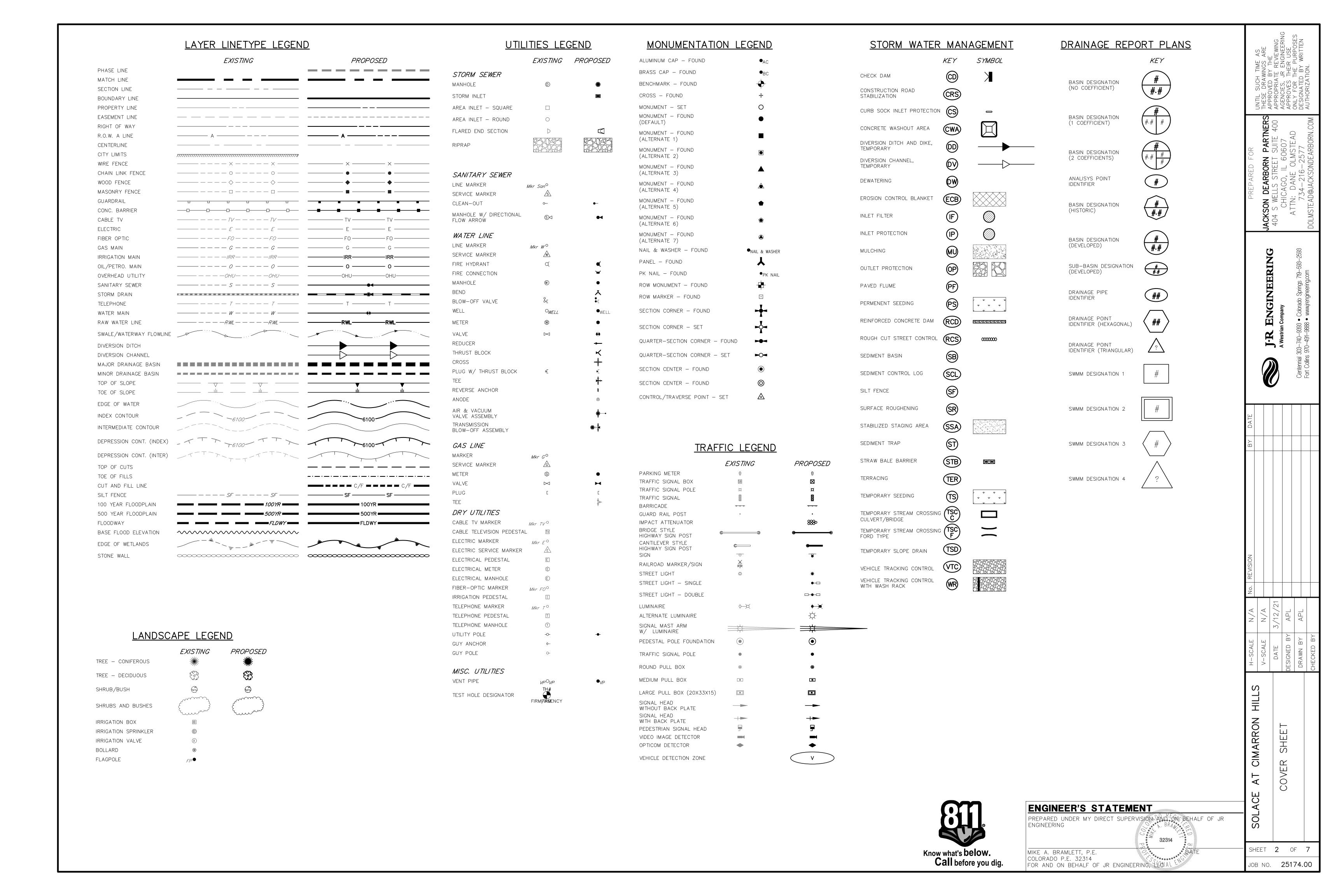
CHEROKEE METROPOLITAN DISTRICT

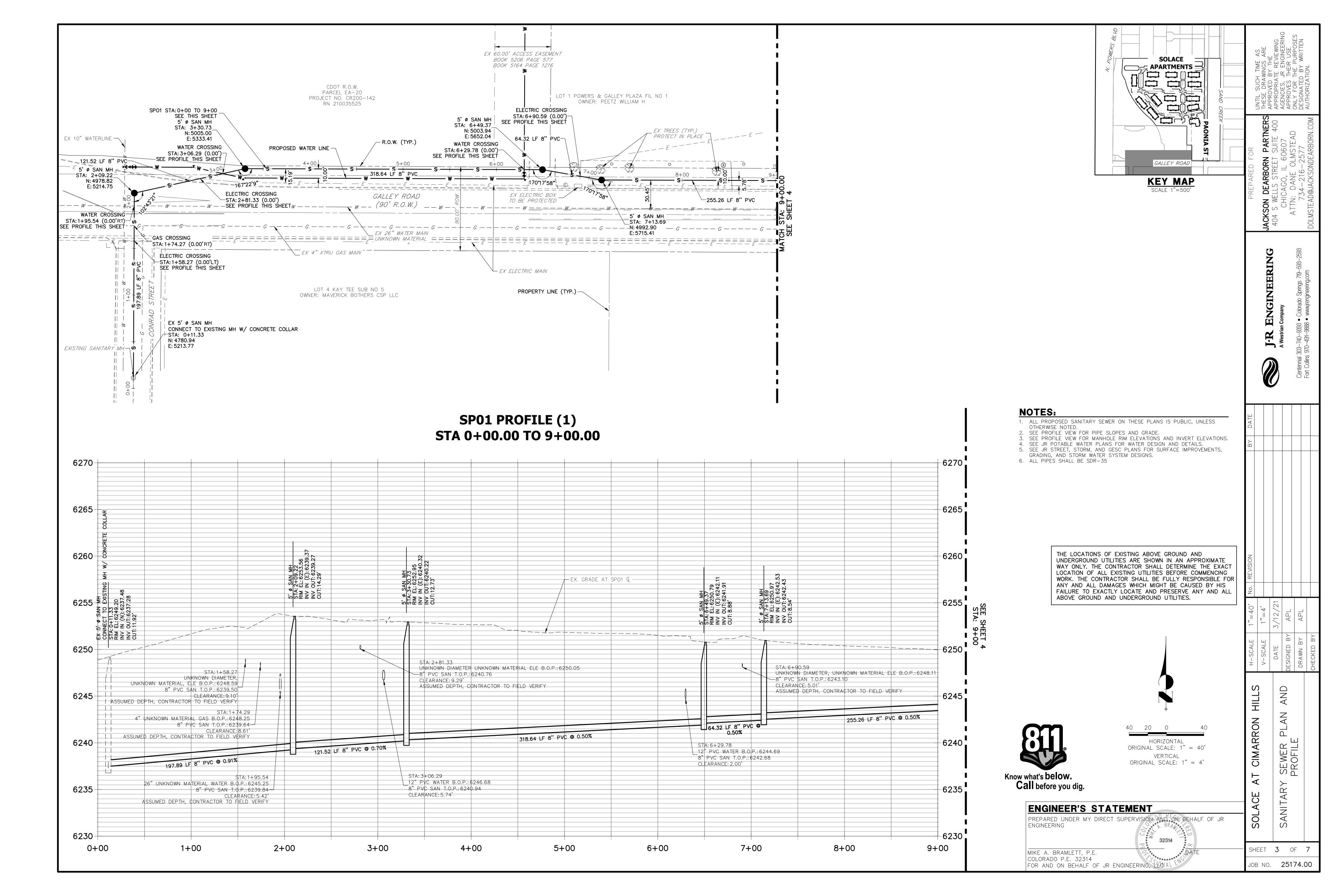
WASTEWATER PLAN APPROVAL

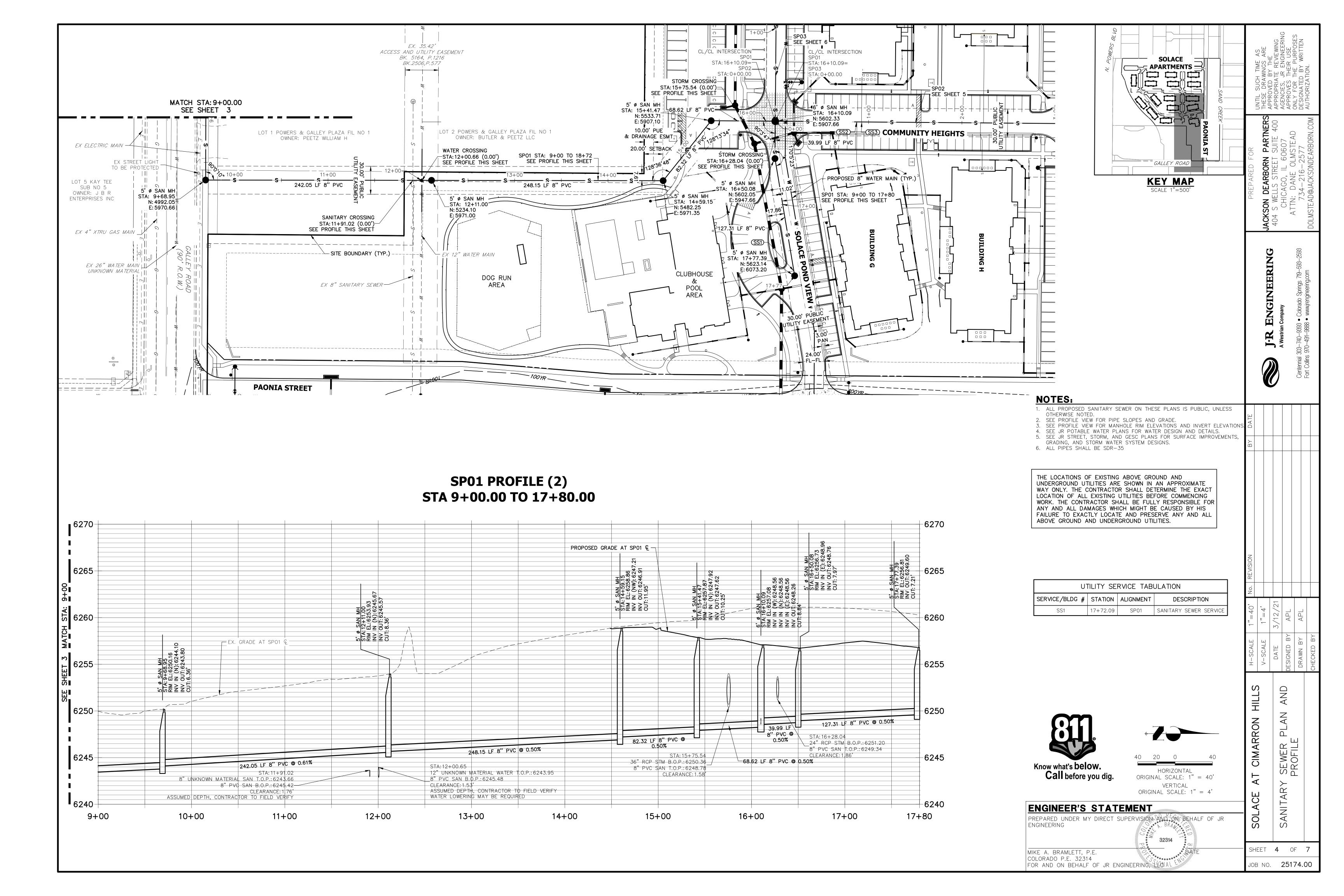
THE CHEROKEE METROPOLITAN DISTRICT RECOGNIZES THE DESIGN PROFESSIONAL OF RECORD AS THE LICENSED ENGINEER HAVING RESPONSIBILITY FOR THE SUBMITTED DESIGN AND THE DISTRICT HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY. AS SUCH, THE APPROVAL GRANTED HEREIN IS FOR THE CONSTRUCTION OF THE FACILITIES AS REPRESENTED ON THESE DOCUMENTS. APPROVAL EXPIRES ONE (1) YEAR FROM THE DATE BELOW AND RESUBMITTAL OF THESE PLANS FOR REVIEW AND APPROVAL IS REQUIRED IF CONSTRUCTION DOES NOT BEGIN DURING THIS

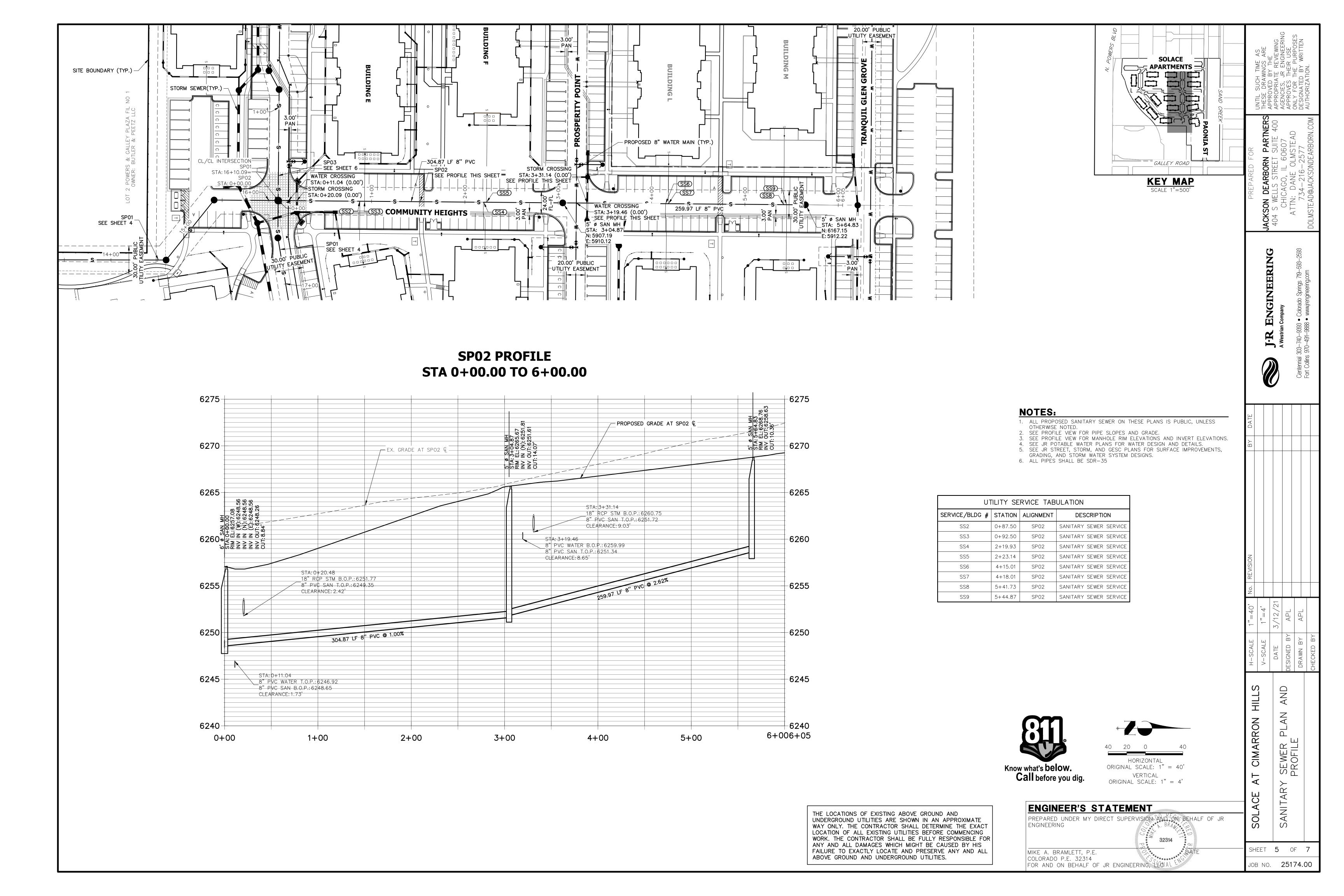


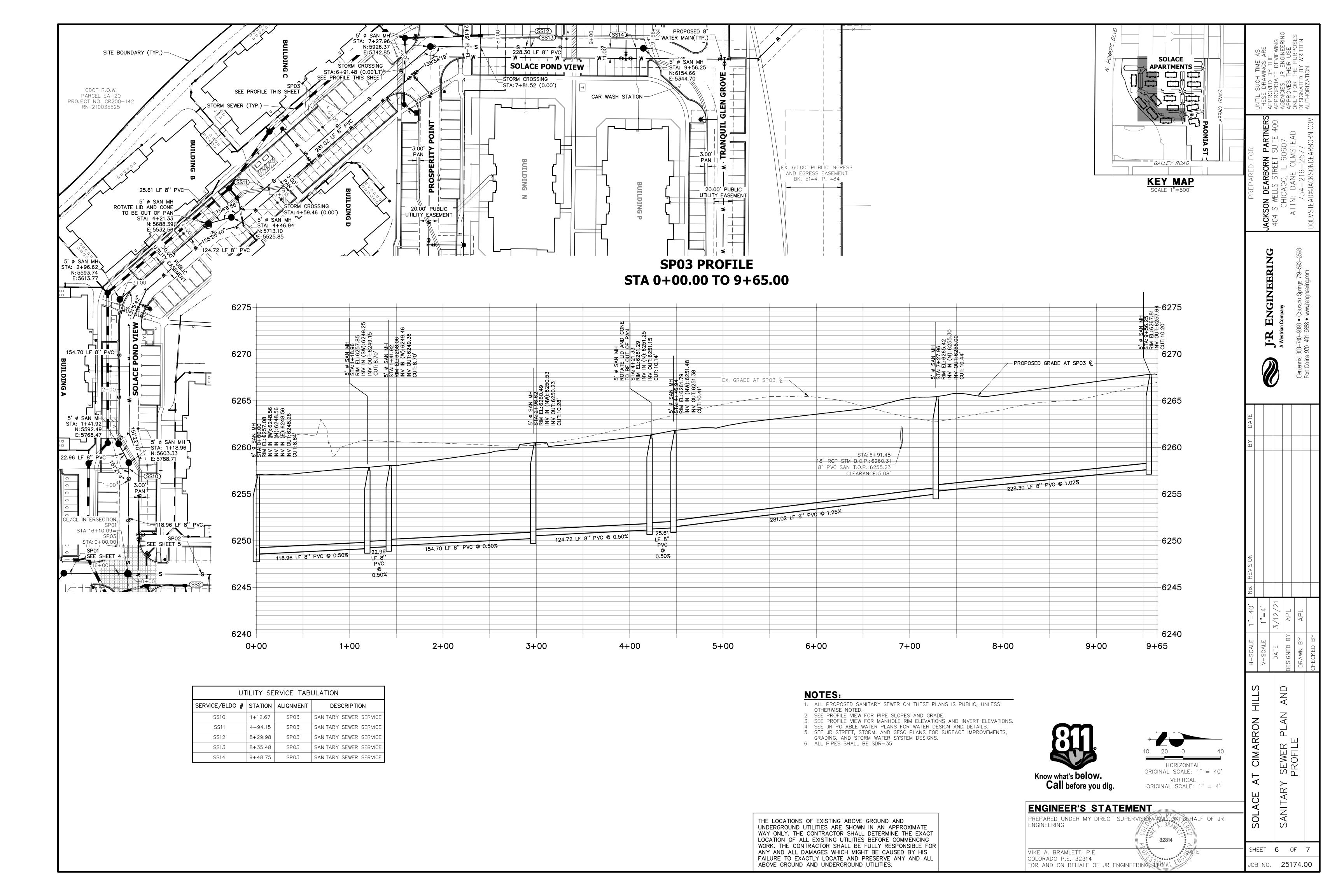
PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR BRAMLETT, P.E. COLORADO P.E. 32314 FOR AND ON BEHALF OF JR ENGINEERING TO A LEMINARY TO BEHALF OF JR JOB NO. 25174.00	ENGINEER'S STATEMENT	- ACE		ARY S
COLORADO P.E. 32314	ENGINEERING BRAME	SOI		SANIT,
	MIKE A. BRAMLETT, P.E.	SHEET	1 OF	7
		JOB NO.	25174	.00

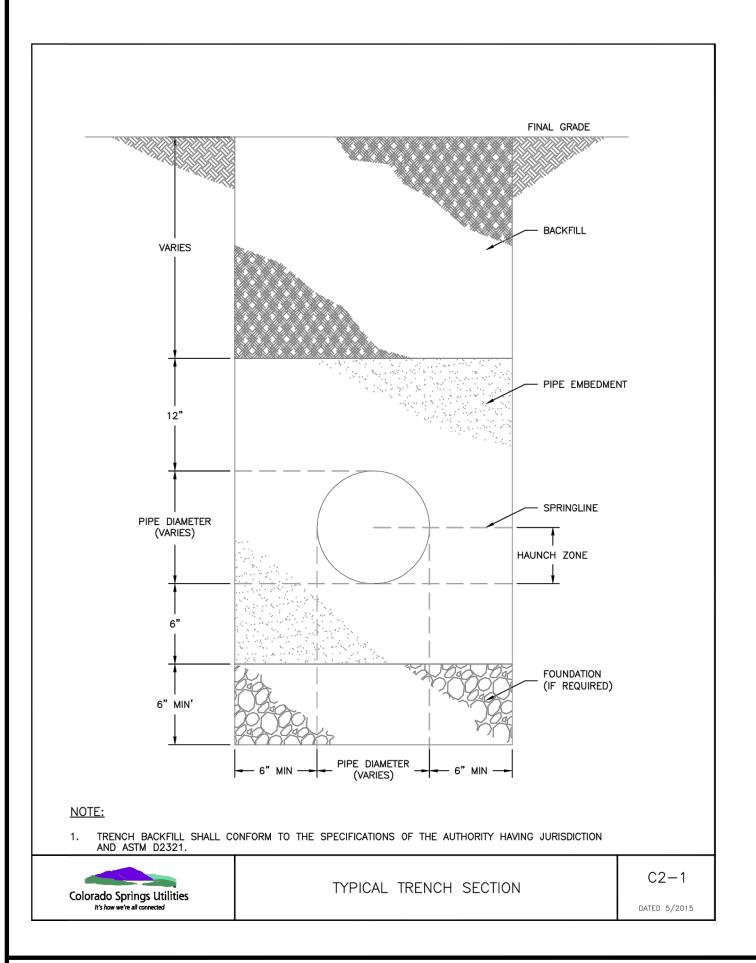


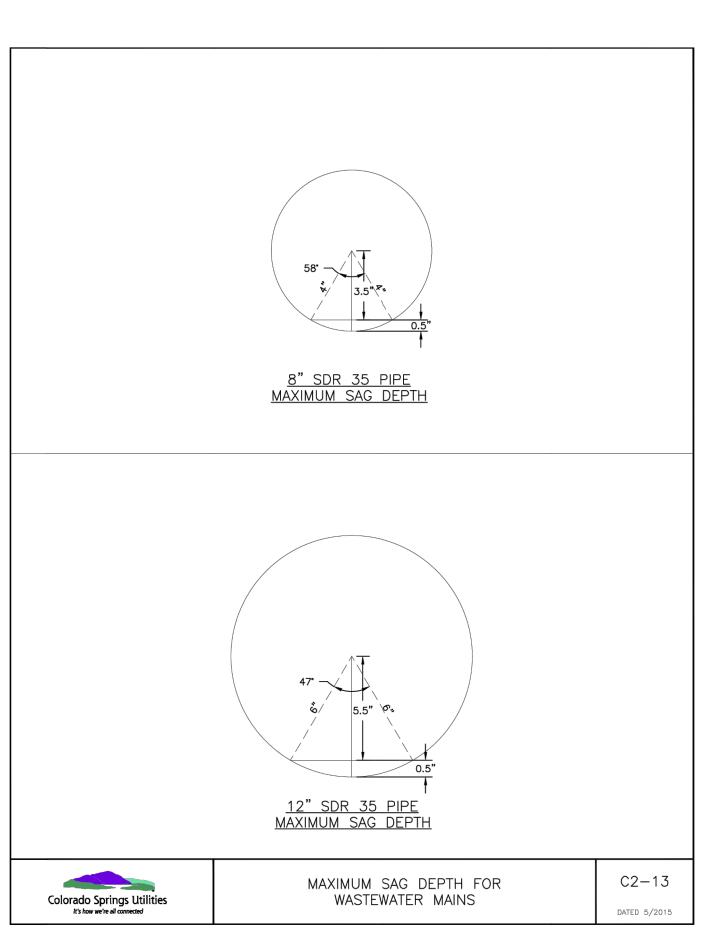


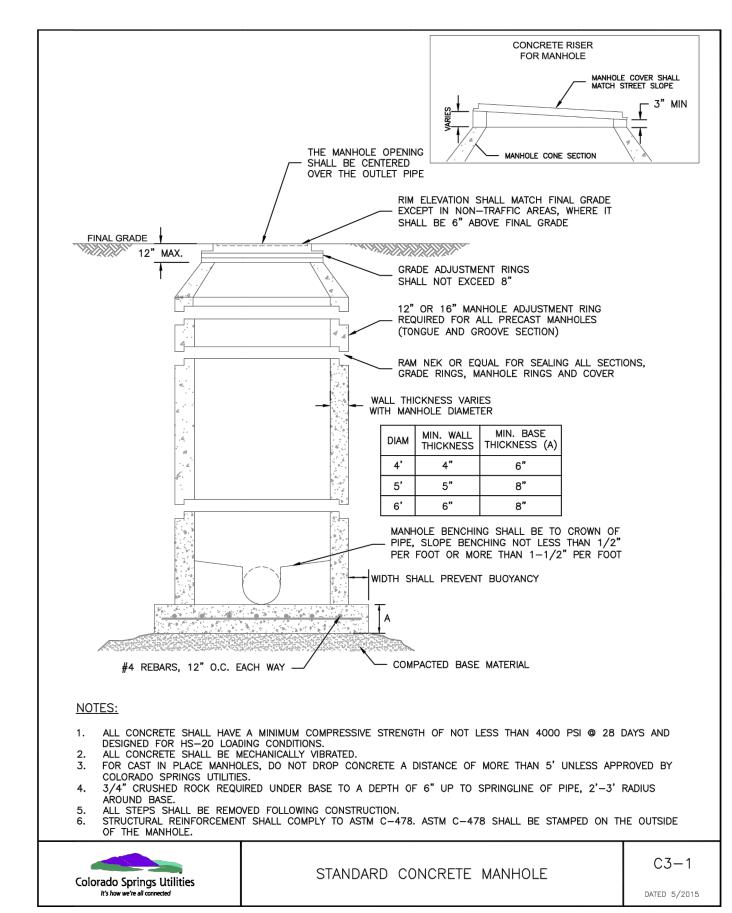


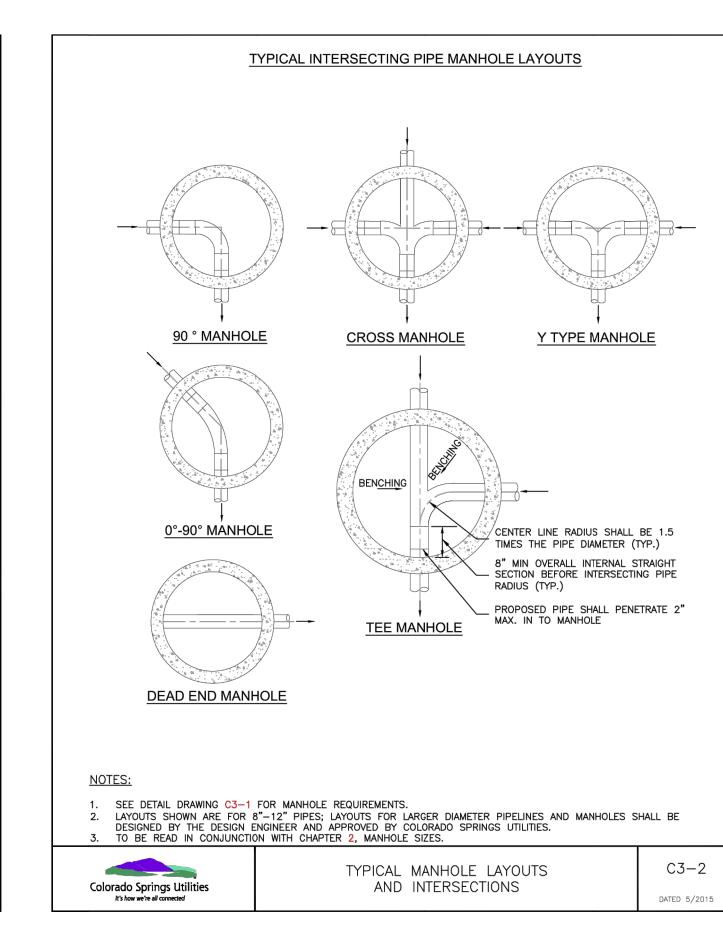


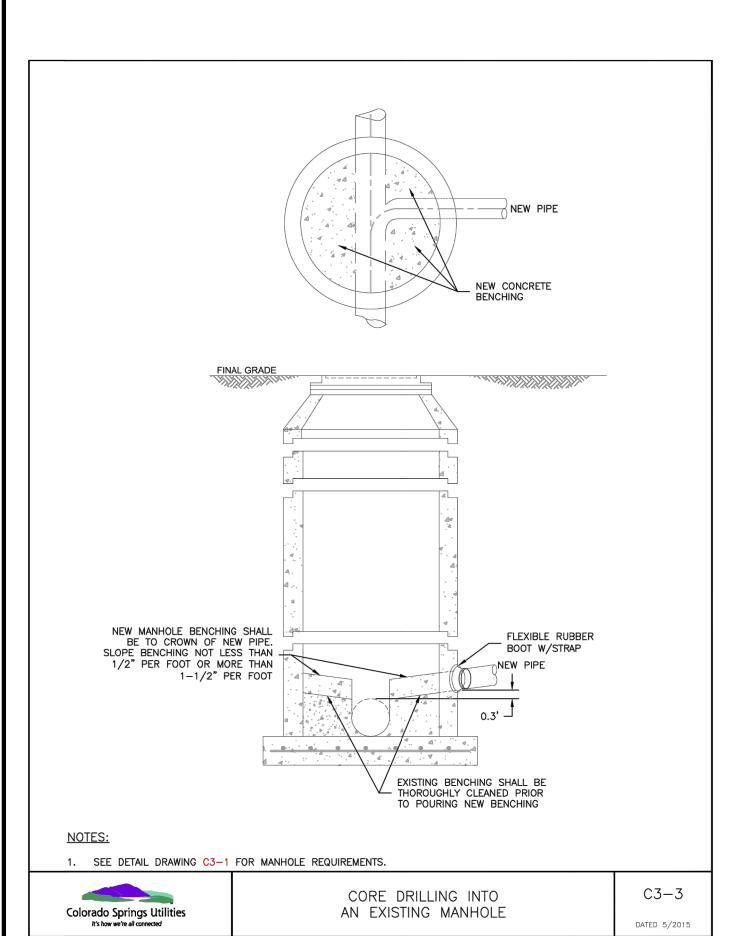


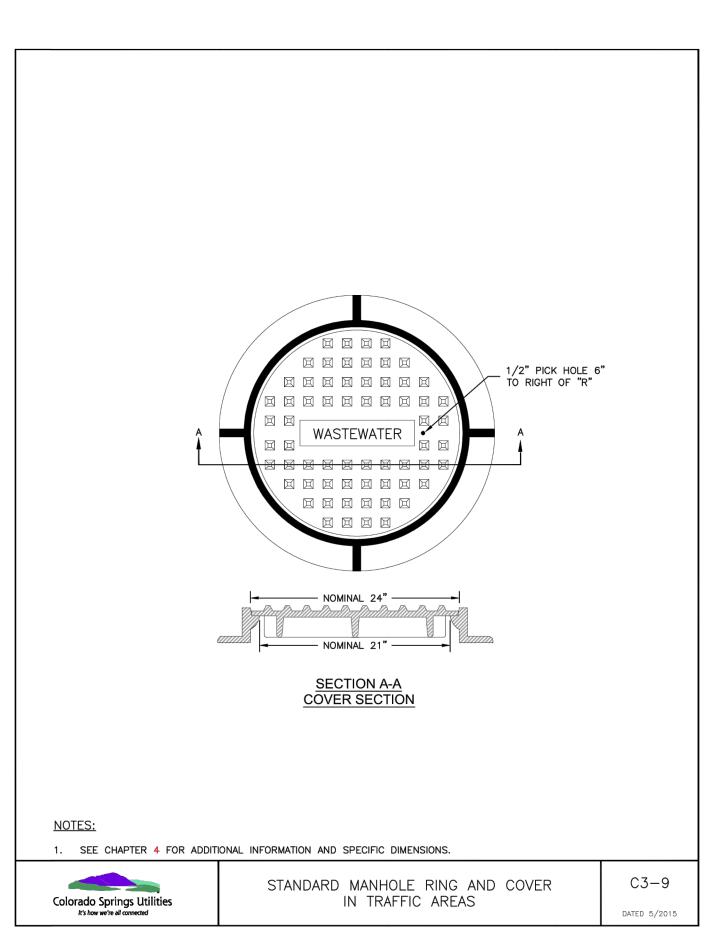


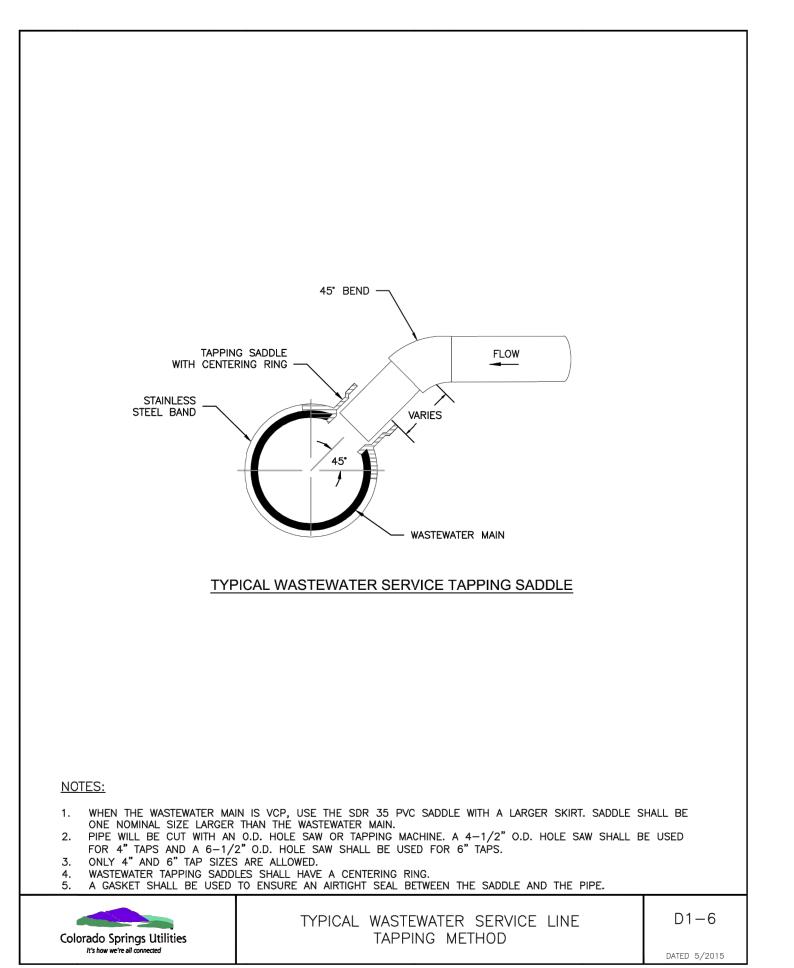


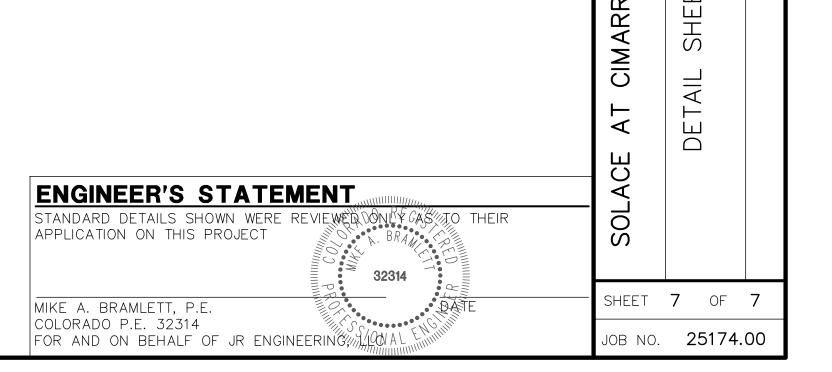












CONTACTS:

DEVELOPMENT SERVICES (CMD)

JACKSON DEARBORN PARTNERS 404 S. WELLS STREET, SUITE 400 OWNER/DEVELOPER

CHICAGO, IL 60607 ATTN: DANE OLMSTEAD

 $P \sim (734) 216 - 2577$

ENGINEER/SURVEYOR JR ENGINEERING, LLC ATTN: MIKE A. BRAMLETT

5475 TECH CENTER DRIVE, SUITE 235 COLORADO SPRINGS, CO 80919

P~(719) 593-2593

CHEROKEE METROPOLITAN DISTICT 6250 PALMER PARK BLVD COLORADO SPRINGS, CO 80915

FIRE PROTECTION DISTRICT CIMARRON HILLS FIRE DEPARTMENT

1835 TUSKEGEE PL COLORADO SPRINGS, CO 80915

P~(719) 591-0960

P~(719) 597-5080

N.E.S., INC. 619 NORTH CASCADE AVENUE, SUITE 200 PLANNER

COLORADO SPRINGS, CO 80903 P~(719) 471-0073

GEOTECHNICAL CTL THOMPSON, INC

5170 MARK DABLING BLVD COLORADO SPRINGS, CO 80918 P~(719) 528-8300

CHICAGO, IL 60605

ARCHITECT LCM ARCHITECTS 819 S WABASH AVE, FIFTH FLOOR

P~(312) 995-5305

BASIS OF BEARINGS

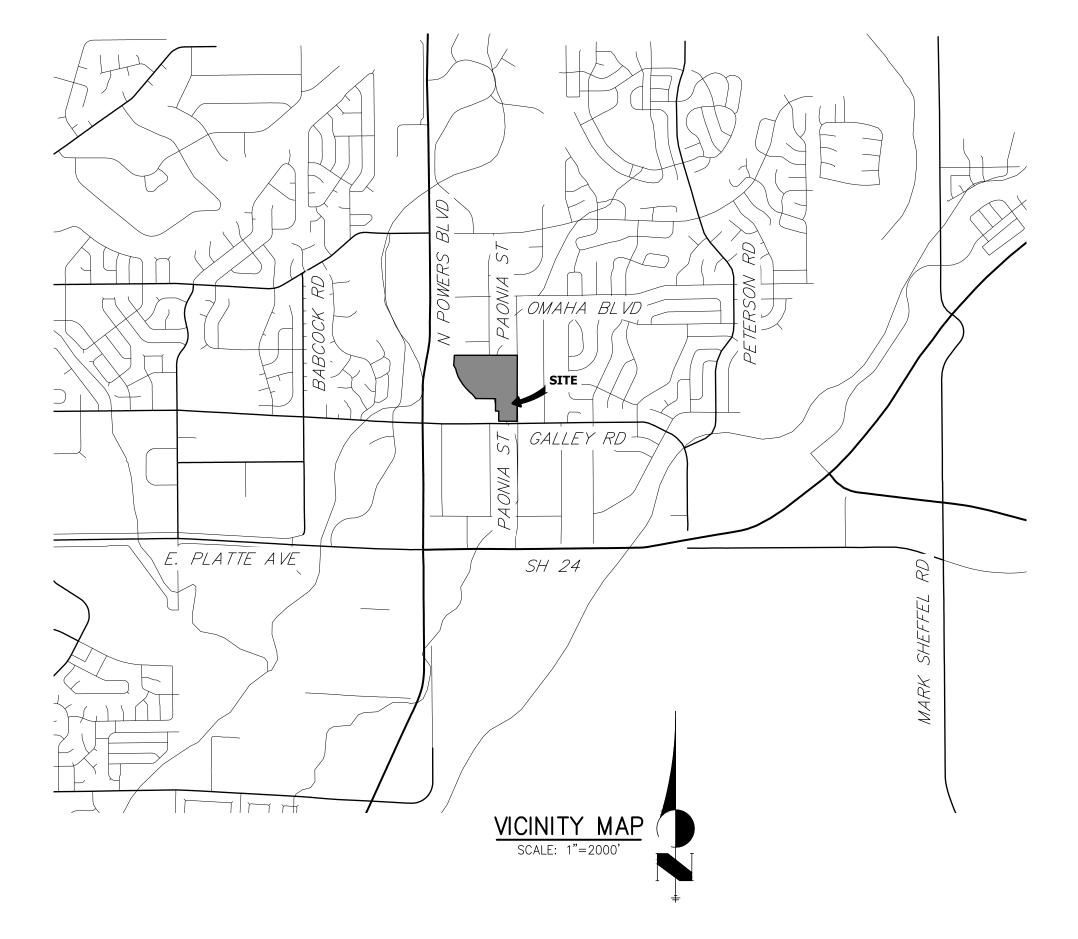
THE EASTERLY LINE OF LOT 2, POWERS & GALLEY PLAZA FILING NO. 1 RECORDED IN PLAT BOOK A-4 AT PAGE 30, SAID LINE BEING MONUMENTED BY A 1-1/4" YELLOW PLASTIC CAP STAMPED "LS 22106" AT THE SOUTH END AND A 1" O.D. PIPE AT THE NORTH END, SAID LINE BEARING NO0°27'47"E AS SHOWN ON SAID PLAT.

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, APPROXIMATLEY 80 FEET NORTH OF THE CENTERLINE OF E PLATTE AVENUE. SAID MONUMENT HAVING A PUBLISHED ELEVATION OF 6275.86 FEET, NAVD88.

SOLACE AT CIMARRON HILLS

SITUATED IN THE NORTHWEST QUARTER OF SECTION 7 TOWNSHIP 14 SOUTH, RANG 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN **COUNTY OF EL PASO, STATE OF COLORADO** WATER DISTRIBUTION PLAN



SHEET INDEX

2 - LEGEND AND NOTES 3-7 - WATER DISTRIBUTION PLAN 8-10- DETAIL SHEETS

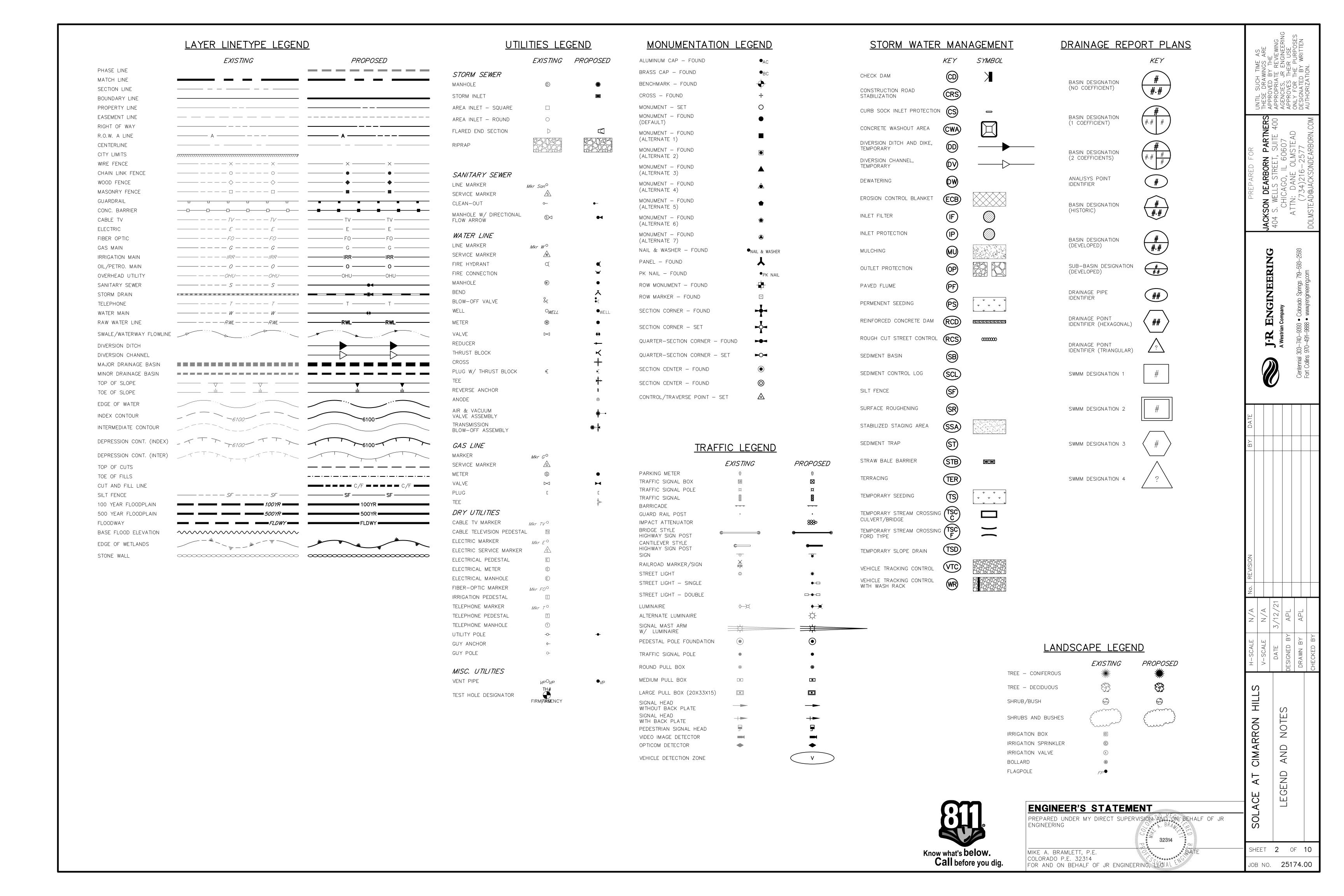
DISTRICT MAIN EXTEN	<u>NSIONS</u>
WATER STATEMENT	
THE UNDERSIGNED OWNER/DEVELOPER AGREES THAT THE INSTALL FACILITIES WILL BE MADE IN ACCORDANCE WITH CHEROKEE METRO SHALL PROVIDE A MINIMUM OF 5 FEET AND A MAXIMUM OF 6 FEE ANY CHANGES REQUIRED TO MEET THE ABOVE STIPULATIONS SHA OWNER/DEVELOPER. COVER IN EXCESS OF 8 FEET SHALL BE SUPPLY APPROVED BY THE DISTRICT.	DPOLITAN DISTRICT SPECIFICATIONS AND ET OF COVER OVER THE WATER MAIN(S). ALL BE AT THE EXPENSE OF THE
SIGNED:OWNER/DEVELOPER	DATE:
OWINERY DE VEEOF EIN	
DBA:	
ADDRESS:	
ALL HYDRANTS SHALL BE INSTALLED ACCORDING TO THE DISTRICT WATER INSTALLATION CORROSION CONTROL REQUIREMENTS	T'S SPECIFICATIONS.
NONE REQUIRED	
REQUIRED, DESCRIBED AS FOLLOWS:	
WATER PLAN APPROVAL	
SIGNED:CHEROKEE METROPOLITAN DISTRICT	DATE:
CHEROKEE METROPOLITAN DISTRICT	
APPROVAL EXPIRES ONE YEAR FROM THE DATE ABOVE AND RESU APPROVAL IS REQUIRED IF CONSTRUCTION DOES NOT BEGIN DURIN	

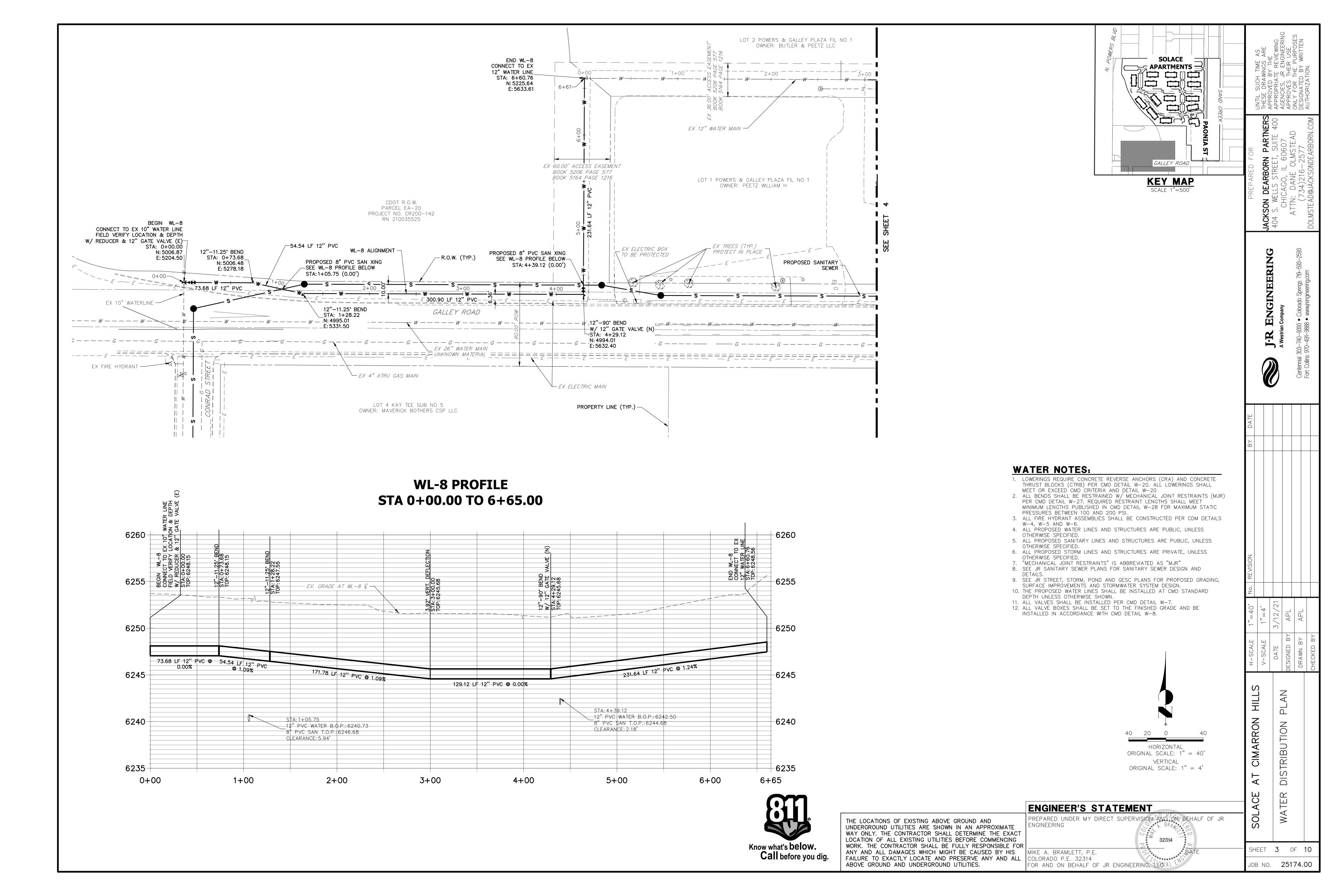


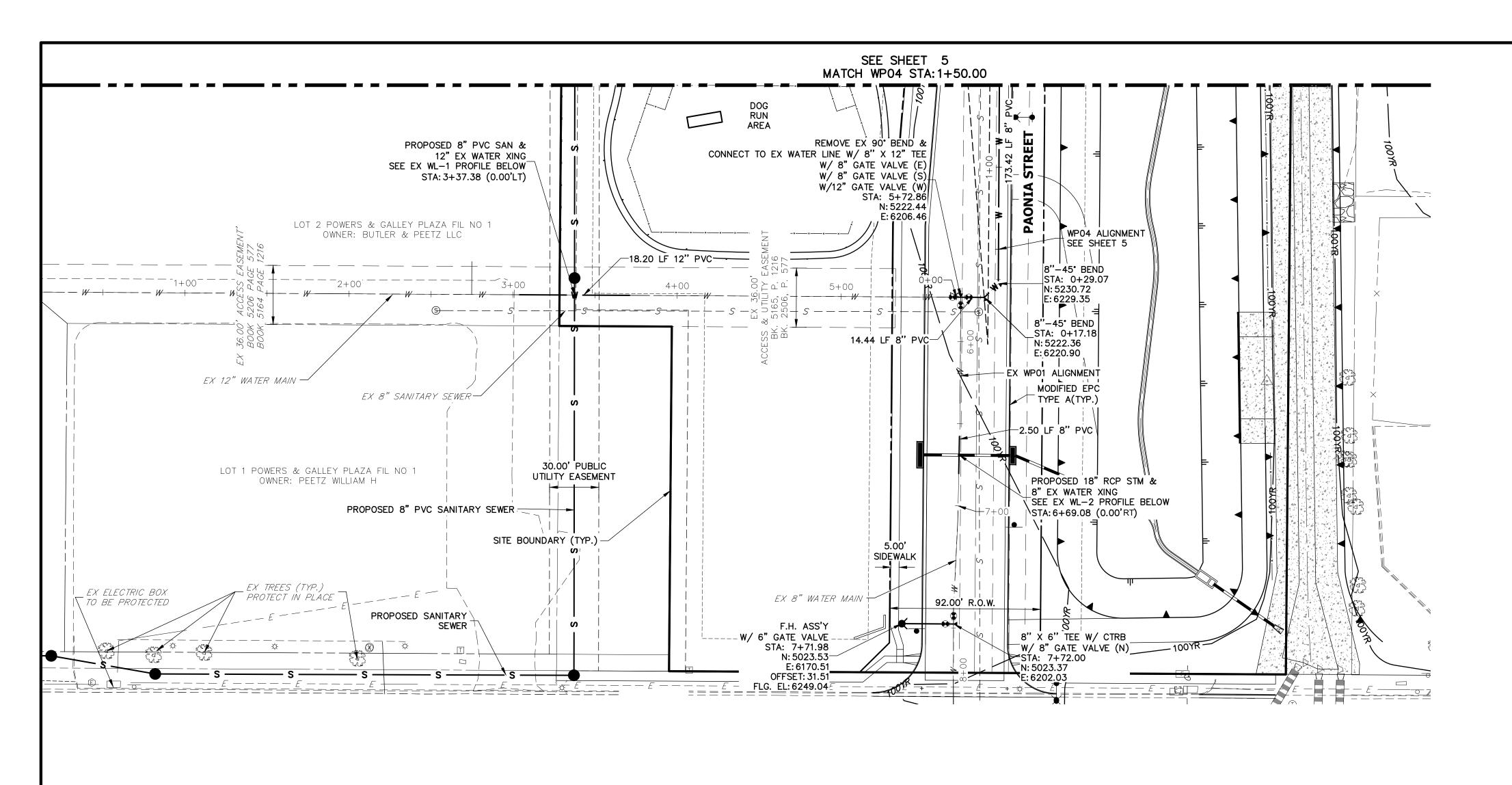
COLORADO P.E. 32314

FOR AND ON BEHALF OF JR ENGINEERING JOYAL

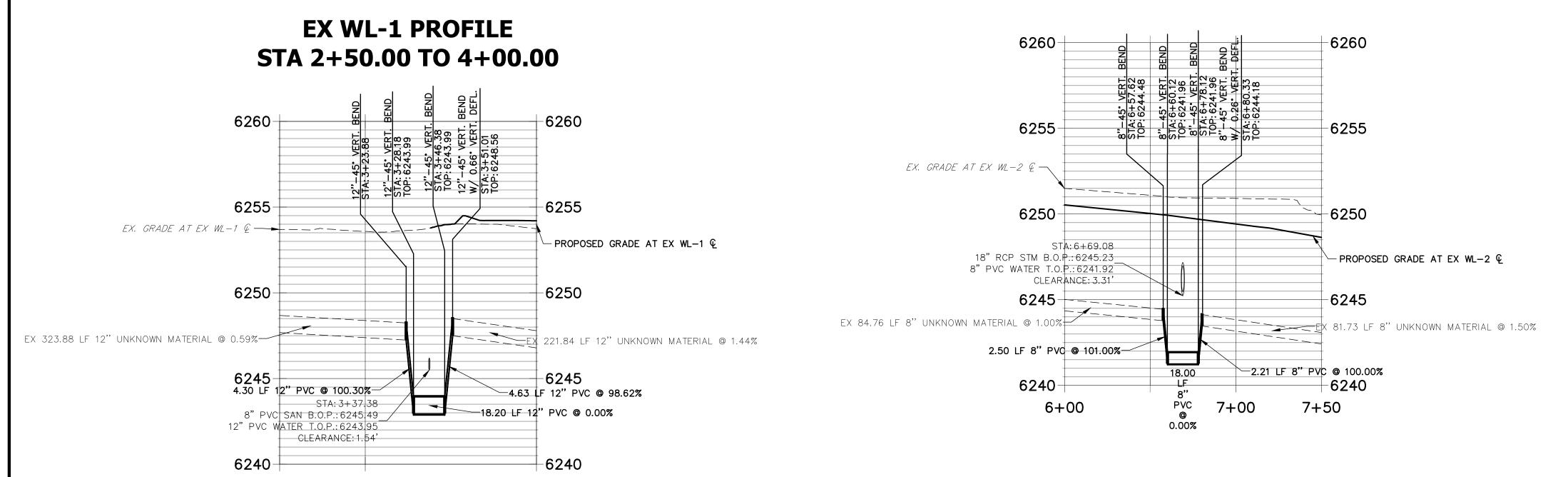
			S H S ->	DESIGN	DRAW
THE CHEROKEE METROPOLITAN DISTAS THE LICENSED ENGINEER HAVING DISTRICT HAS LIMITED ITS SCOPE GRANTED HEREIN IS FOR THE CONS DOCUMENTS. APPROVAL EXPIRES ON	KEE METROPOLITAN DISTRICT VATER PLAN APPROVAL TRICT RECOGNIZES THE DESIGN PROFESSIONAL OF RE G RESPONSIBILITY FOR THE SUBMITTED DESIGN AN OF REVIEW ACCORDINGLY. AS SUCH, THE APPR TRUCTION OF THE FACILITIES AS REPRESENTED ON NE (1) YEAR FROM THE DATE BELOW AND RESUBMITT PROVAL IS REQUIRED IF CONSTRUCTION DOES NOT DATE:	D THE ROVAL THESE TAL OF	CE AT CIMARRON HILLS	COVER SHEET	TER DISTRIBUTION PLAN
ENGINEER'S STA Prepared under my direc Engineering	William BE Outline		SOLACE		WATER
MIKE A. BRAMLETT, P.E.	PATE		SHEET	1 OF	10







EX WL-2 PROFILE STA 6+00.00 TO 7+50.00



2+50

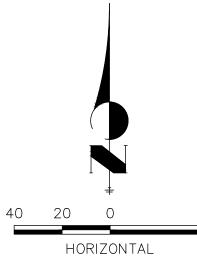
3+00

4+00

WATER NOTES:

- OWERINGS REQUIRE CONCRETE REVERSE ANCHORS (CRA) AND CONCRETE THRUST BLOCKS (CTRB) PER CMD DETAIL W-20. ALL LOWERINGS SHALL
- MEET OR EXCEED CMD CRITERIA AND DETAIL W-20 2. ALL BENDS SHALL BE RESTRAINED W/ MECHANICAL JOINT RESTRAINTS (MJR) PER CMD DETAIL W-27. REQUIRED RESTRAINT LENGTHS SHALL MEET MINIMUM LENGTHS PUBLISHED IN CMD DETAIL W-28 FOR MAXIMUM STATIC
- PRESSURES BETWEEN 100 AND 200 PSI. 3. ALL FIRE HYDRANT ASSEMBLIES SHALL BE CONSTRUCTED PER CDM DETAILS W-4, W-5 AND W-6.
- 4. ALL PROPOSED WATER LINES AND STRUCTURES ARE PUBLIC, UNLESS
- OTHERWISE SPECIFIED. 5. ALL PROPOSED SANITARY LINES AND STRUCTURES ARE PUBLIC, UNLESS
- OTHERWISE SPECIFIED. 6. ALL PROPOSED STORM LINES AND STRUCTURES ARE PRIVATE, UNLESS
- OTHERWISE SPECIFIED. 7. "MECHANICAL JOINT RESTRAINTS" IS ABBREVIATED AS "MJR"
 8. SEE JR SANITARY SEWER PLANS FOR SANITARY SEWER DESIGN AND
- DETAILS.
- 9. SEE JR STREET, STORM, POND AND GESC PLANS FOR PROPOSED GRADING, SURFACE IMPROVEMENTS AND STORMWATER SYSTEM DESIGN. 10. THE PROPOSED WATER LINES SHALL BE INSTALLED AT CMD STANDARD
- DEPTH UNLESS OTHERWISE SHOWN.
- 11. ALL VALVES SHALL BE INSTALLED PER CMD DETAIL W-7. 12. ALL VALVE BOXES SHALL BE SET TO THE FINISHED GRADE AND BE INSTALLED IN ACCORDANCE WITH CMD DETAIL W-8.





APARTMENTS

KEY MAP

HORIZONTAL ORIGINAL SCALE: 1" = 40' ORIGINAL SCALE: 1" = 4'

ENGINEER'S STATEMENT

THE LOCATIONS OF EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS MIKE A. BRAMLETT, P.E. FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL COLORADO P.E. 32314 ABOVE GROUND AND UNDERGROUND UTILITIES.

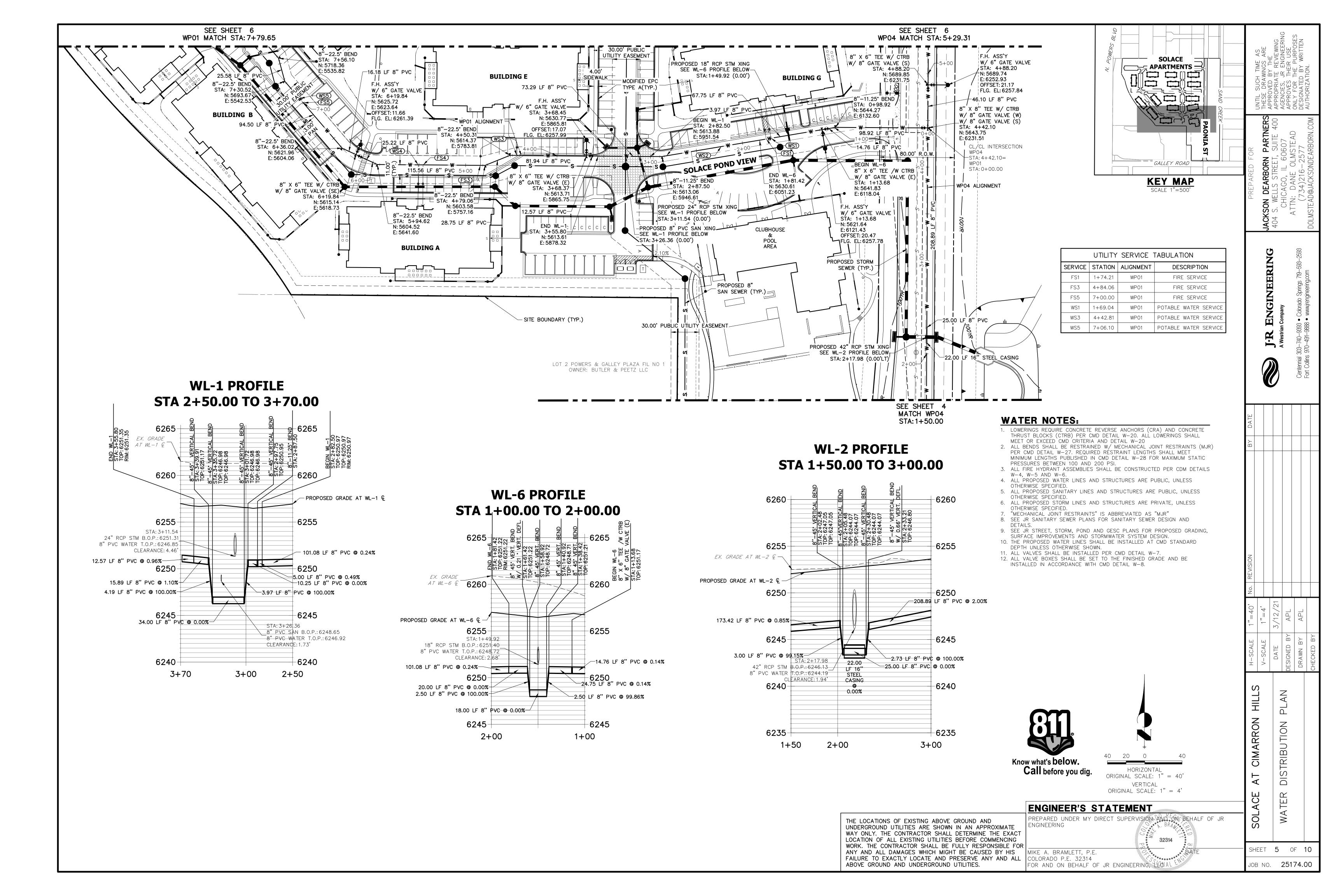
	 <u> </u>		<u> </u>	77////////////////////////////////////	111			
PREPARED ENGINEERIN	MY DIF	RECT	SUPERVISION	BRAM	N BEHALF	OF	JR	•

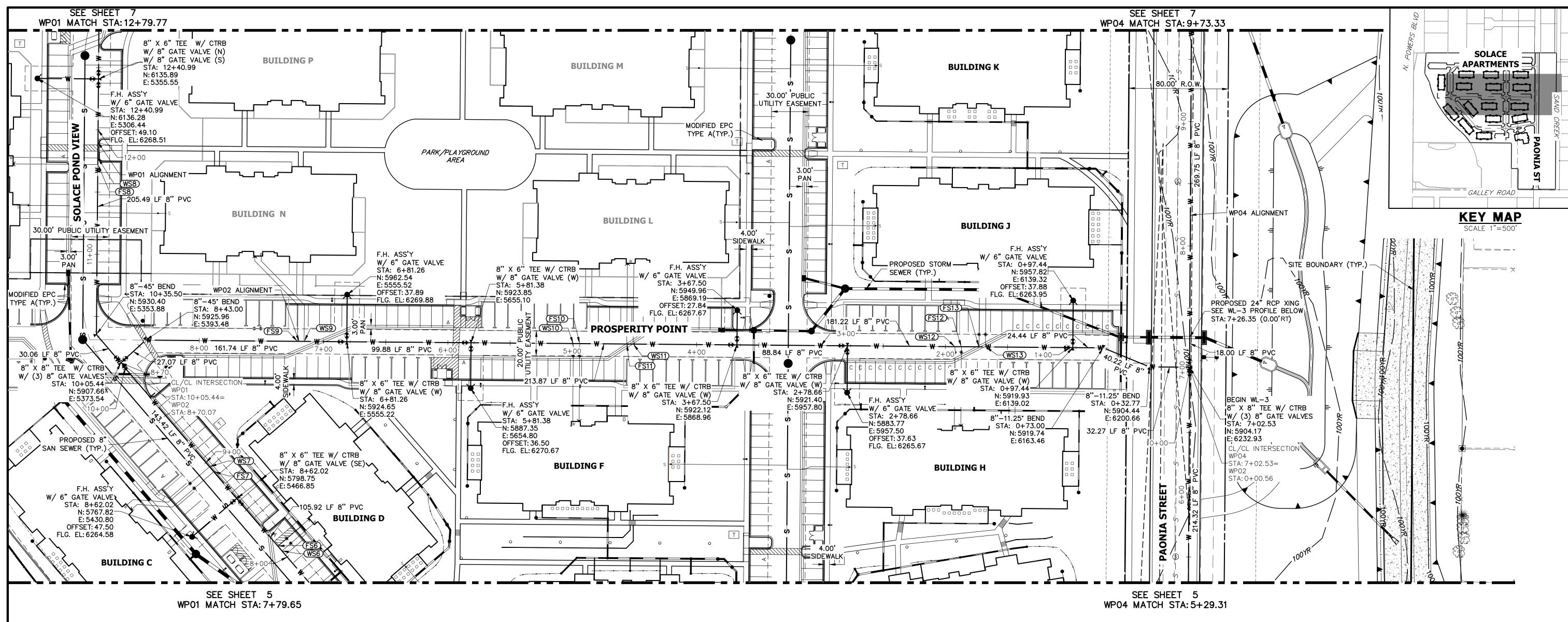
FOR AND ON BEHALF OF JR ENGINEERING

SOLACE AT	WATER DIS	
SHEET	4	OF

TRIBUTION

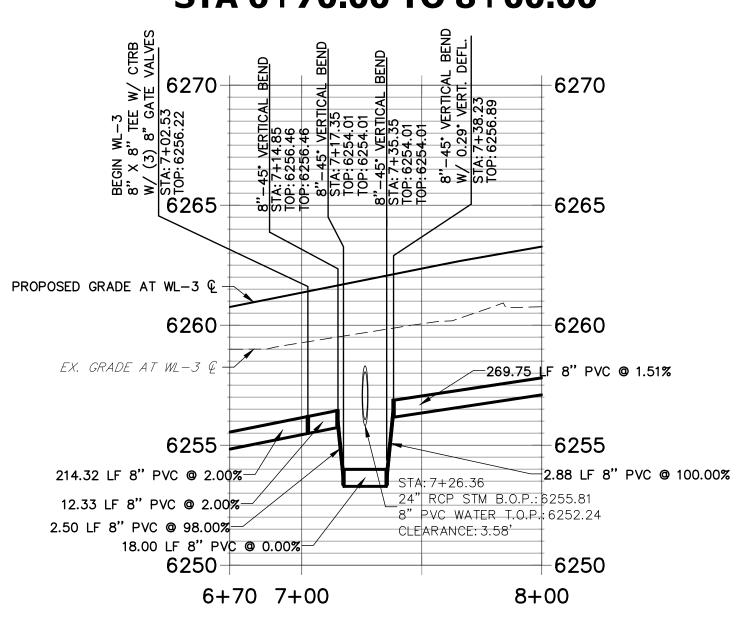
CIMARRON





UTILITY SERVICE TABULATION							
SERVICE	STATION	ALIGNMENT	DESCRIPTION				
FS6	8+11.59	WP01	FIRE SERVICE				
FS7	8+90.48	WP01	FIRE SERVICE				
FS8	11+72.18	WP01	FIRE SERVICE				
FS9	7+20.76	WP02	FIRE SERVICE				
FS10	4+93.91	WP02	FIRE SERVICE				
FS12	1+87.03	WP02	FIRE SERVICE				
FS13	1+72.89	WP02	FIRE SERVICE				
WS6	8+06.43	WP01	POTABLE WATER SERVICE				
WS7	8+95.60	WP01	POTABLE WATER SERVICE				
WS8	11+77.42	WP01	POTABLE WATER SERVICE				
WS9	7+15.59	WP02	POTABLE WATER SERVICE				
WS10	4+99.08	WP02	POTABLE WATER SERVICE				
WS12	1+92.20	WP02	POTABLE WATER SERVICE				
WS13	1+67.73	WP02	POTABLE WATER SERVICE				

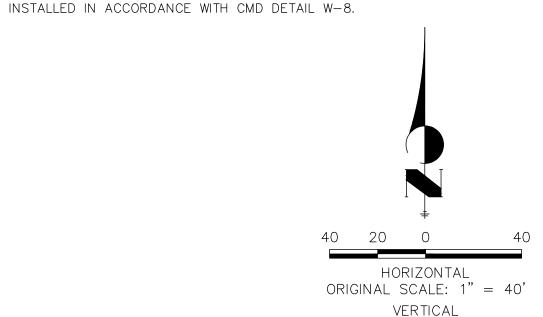
WL-3 PROFILE STA 6+70.00 TO 8+00.00



WATER NOTES:

OTHERWISE SPECIFIED.

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- 12. ALL VALVE BOXES SHALL BE SET TO THE FINISHED GRADE AND BE



ORIGINAL SCALE: 1" = 4'

ENGINEER'S STATEMENT PREPARED UNDER MY DIRECT SUPERVISION AND GOVERNALF OF JR ENGINEERING

32314 SHEET 6 OF 10 JOB NO. **25174.00** FOR AND ON BEHALF OF JR ENGINEERING

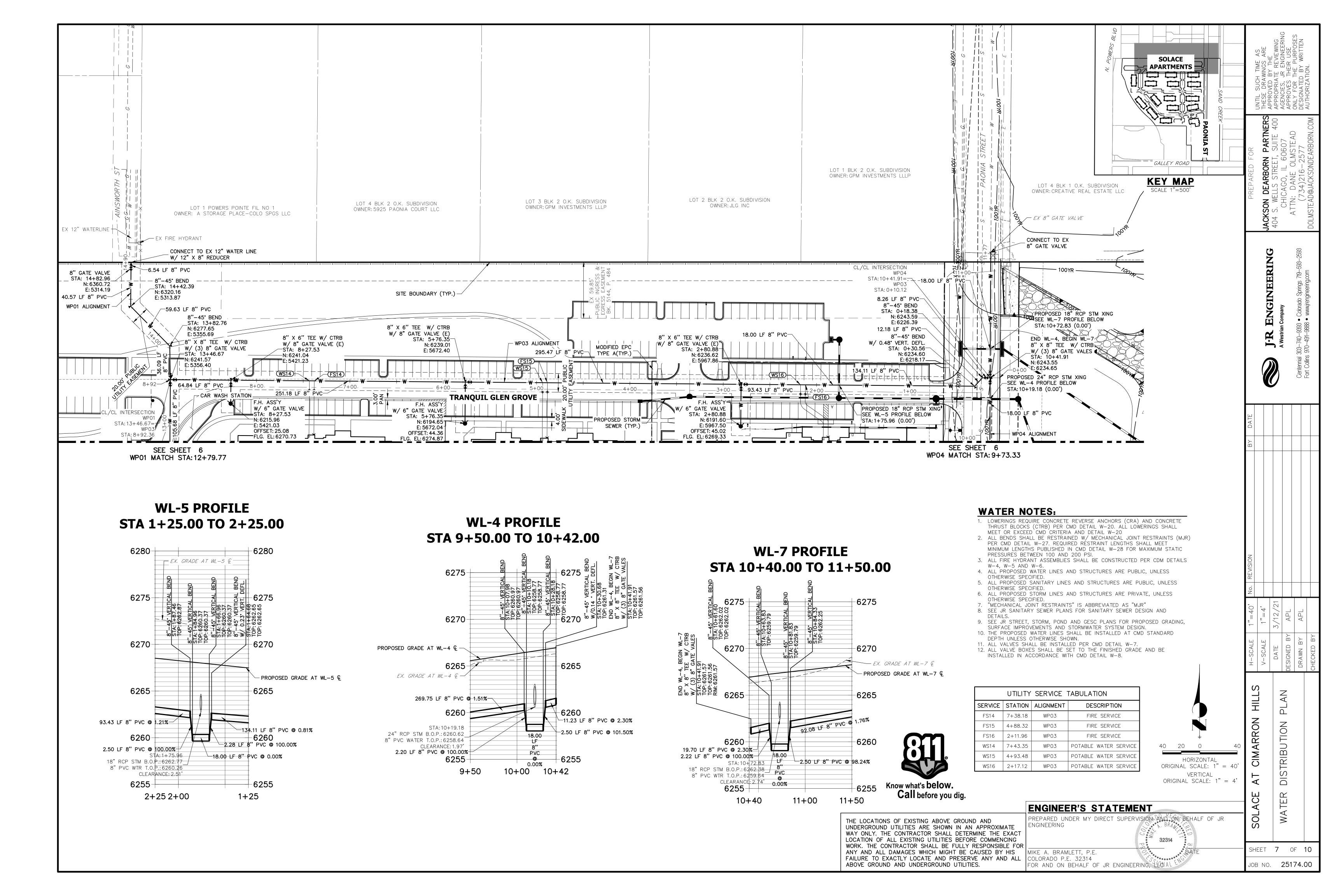
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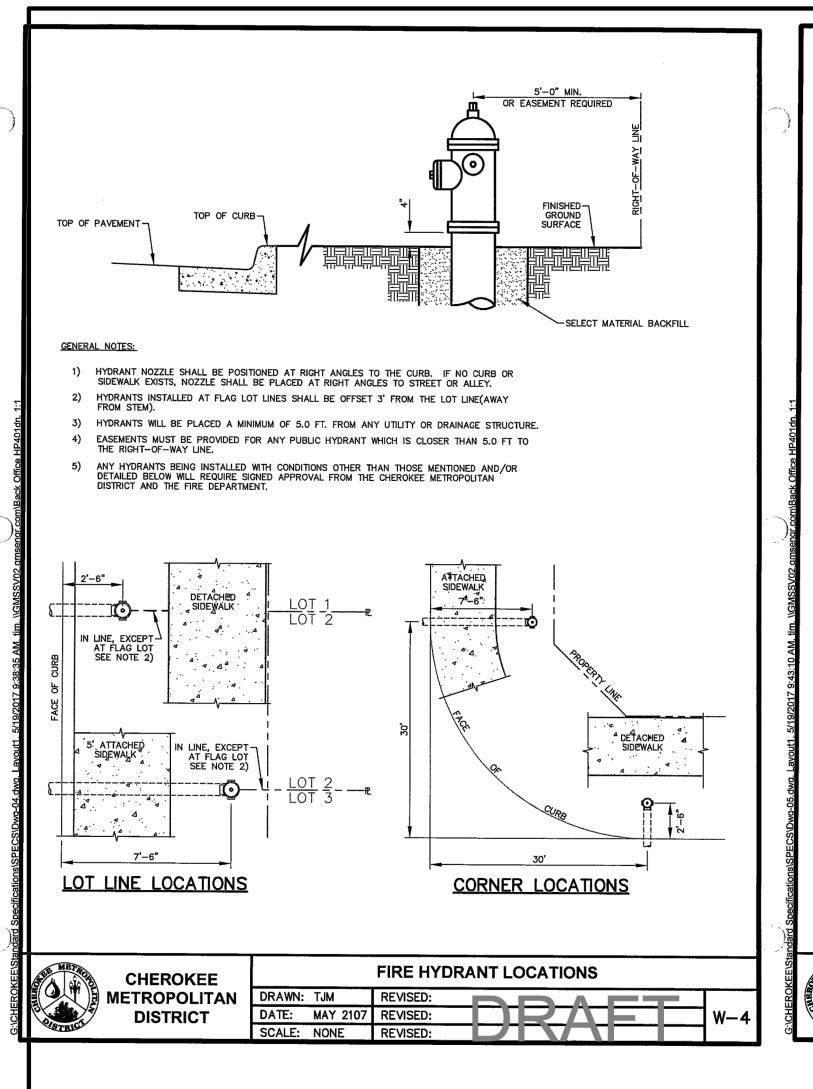
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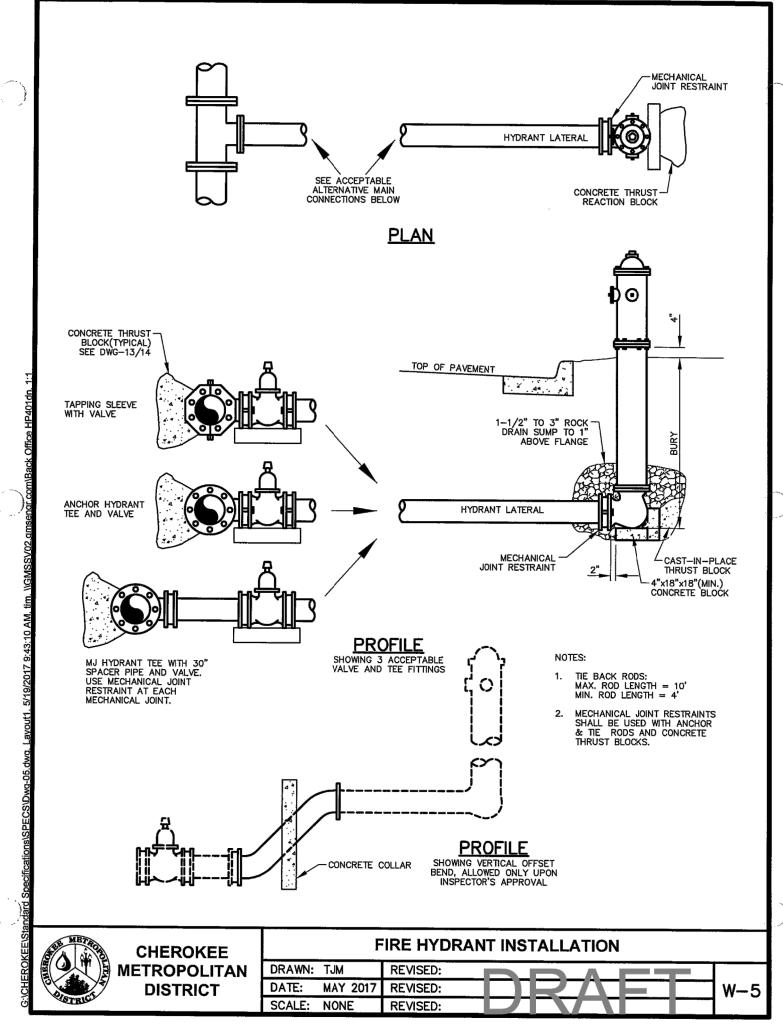
Know what's below. Call before you dig.

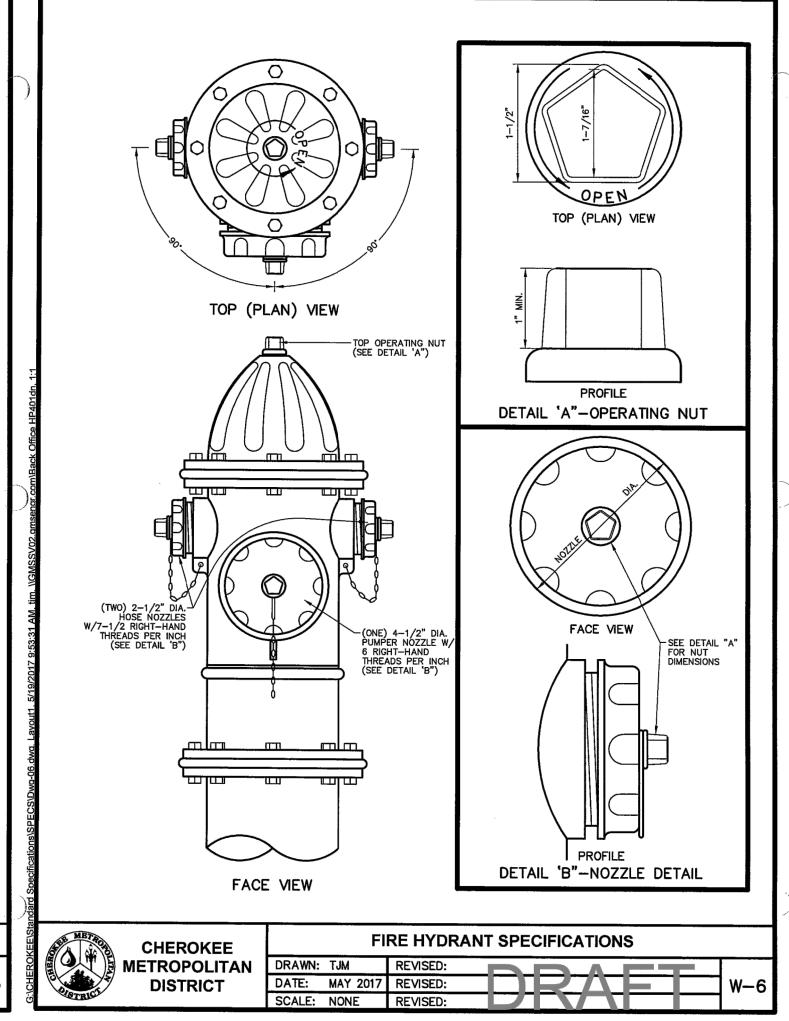
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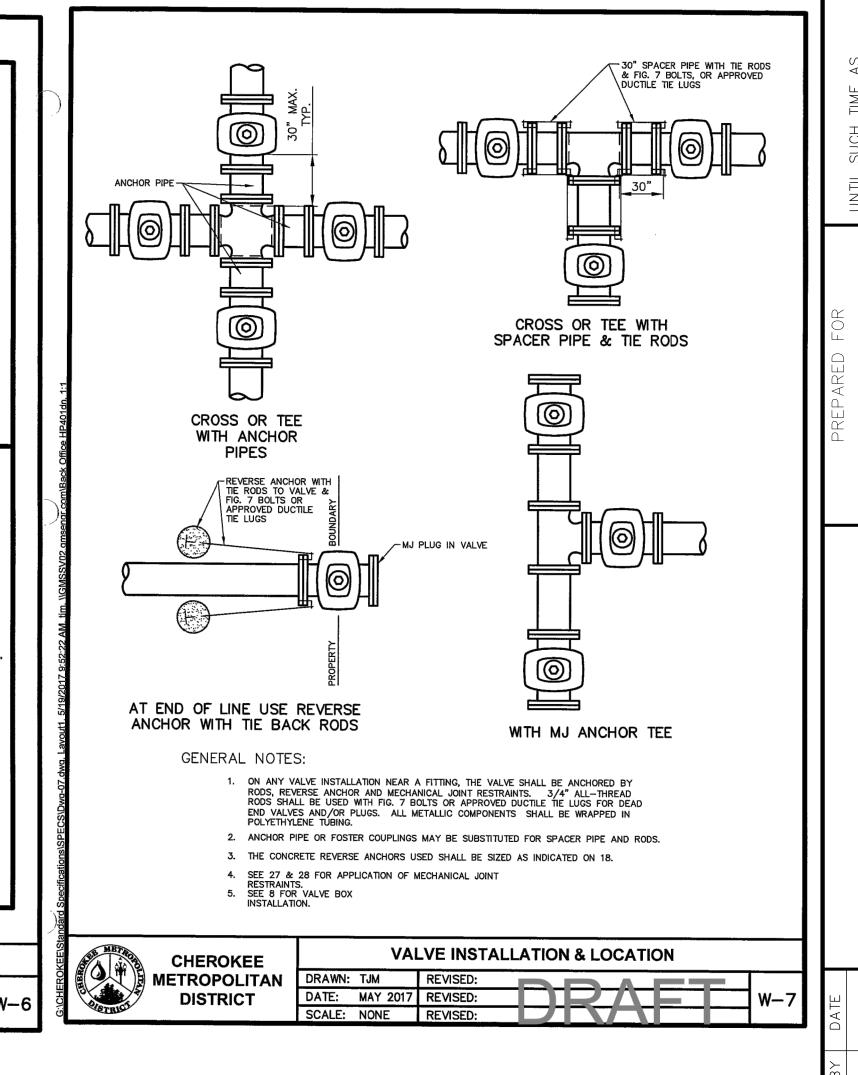
ABOVE GROUND AND UNDERGROUND UTILITIES.











ENGINEER'S STATEMENT

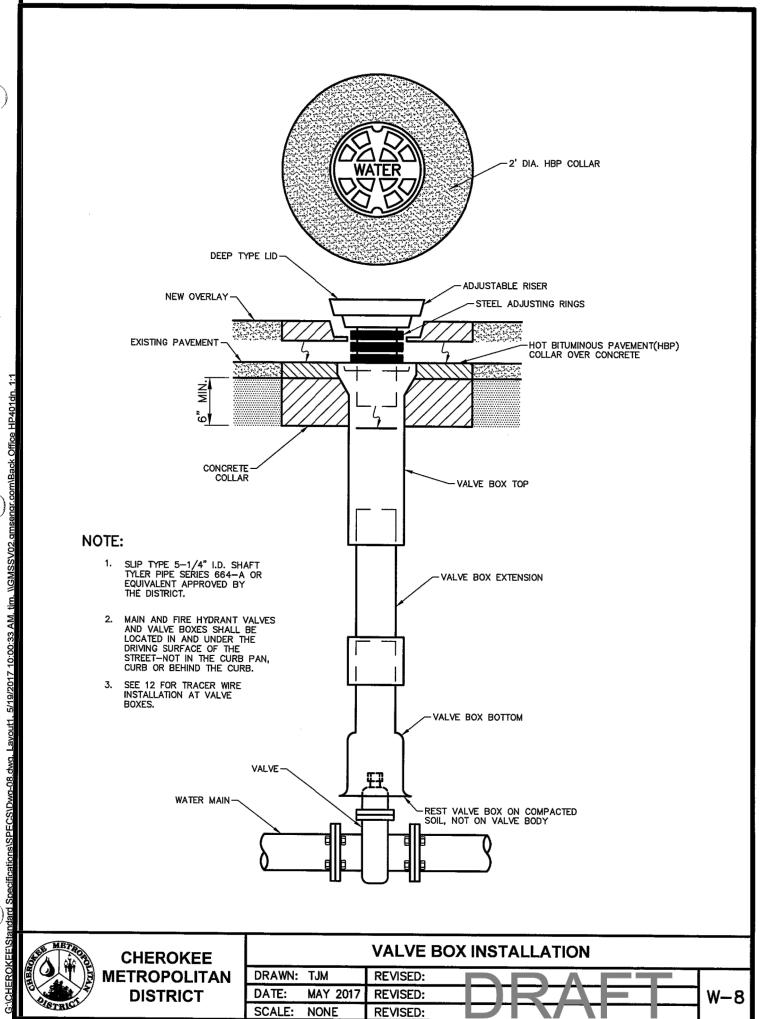
FOR AND ON BEHALF OF JR ENGINEERING

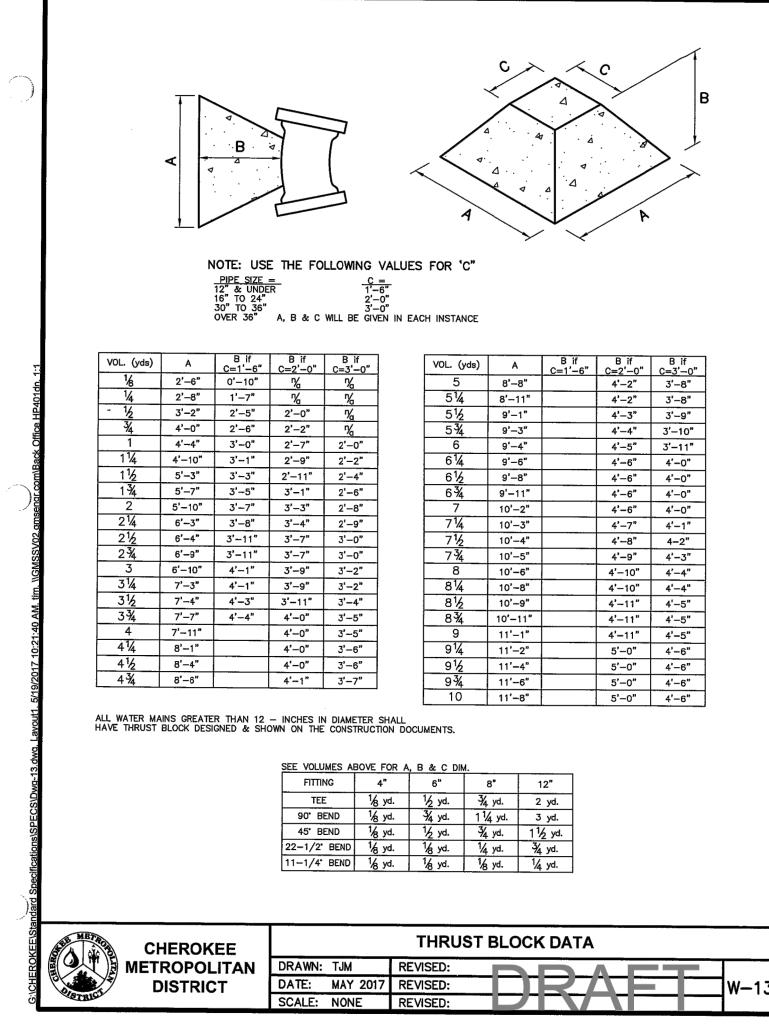
ENGINEERING

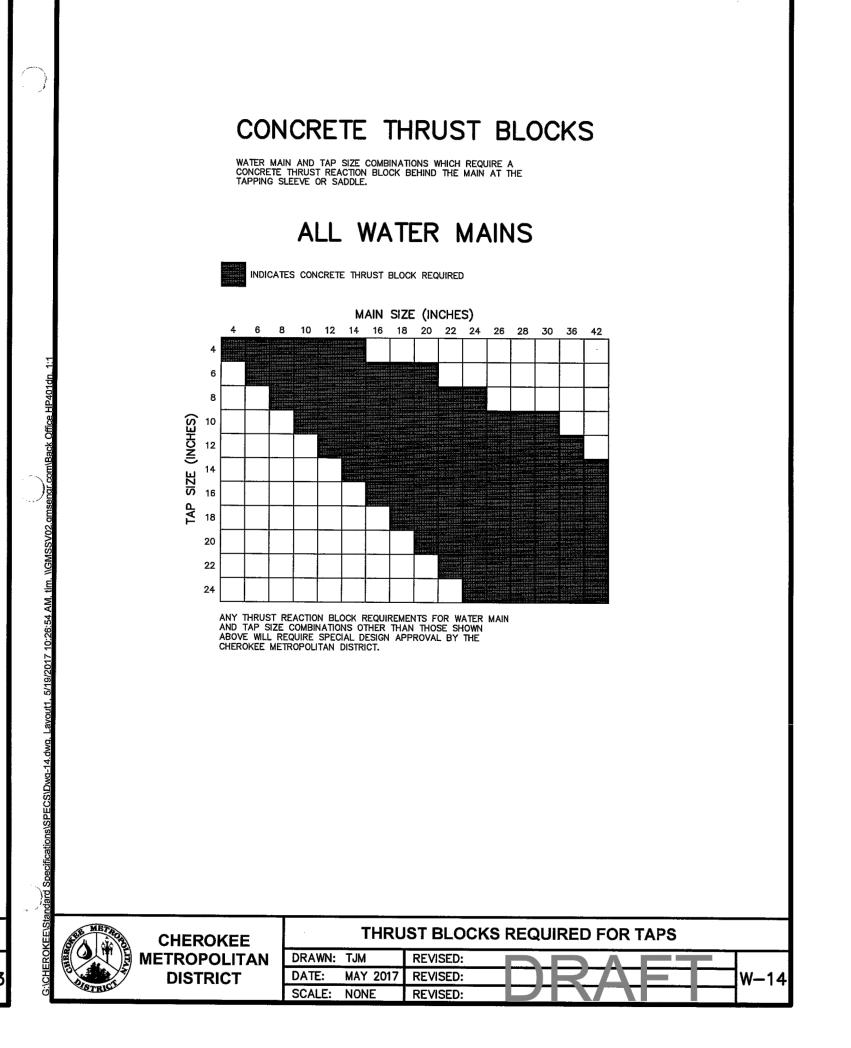
MIKE A. BRAMLETT, P.E. COLORADO P.E. 32314

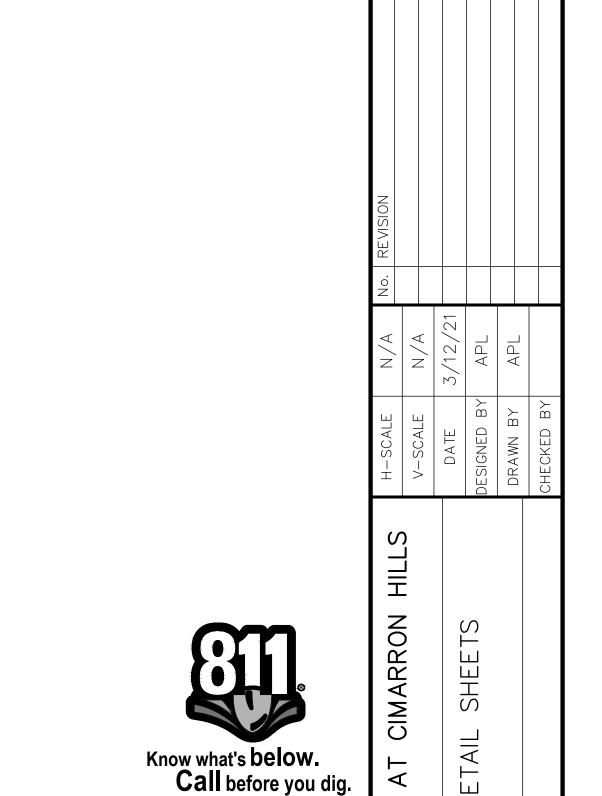
PREPARED UNDER MY DIRECT SUPERVISION AND ON BEHALF OF JR

32314







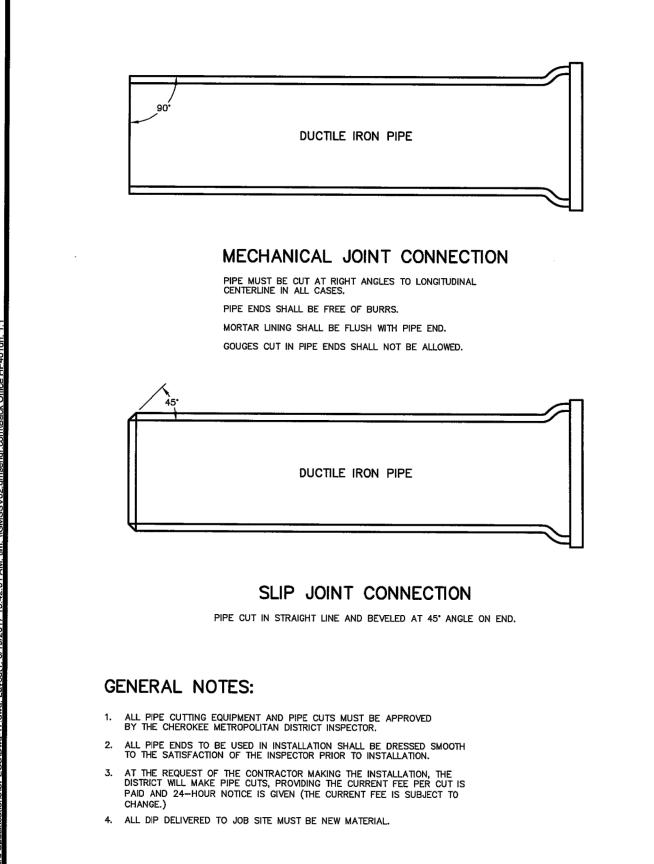


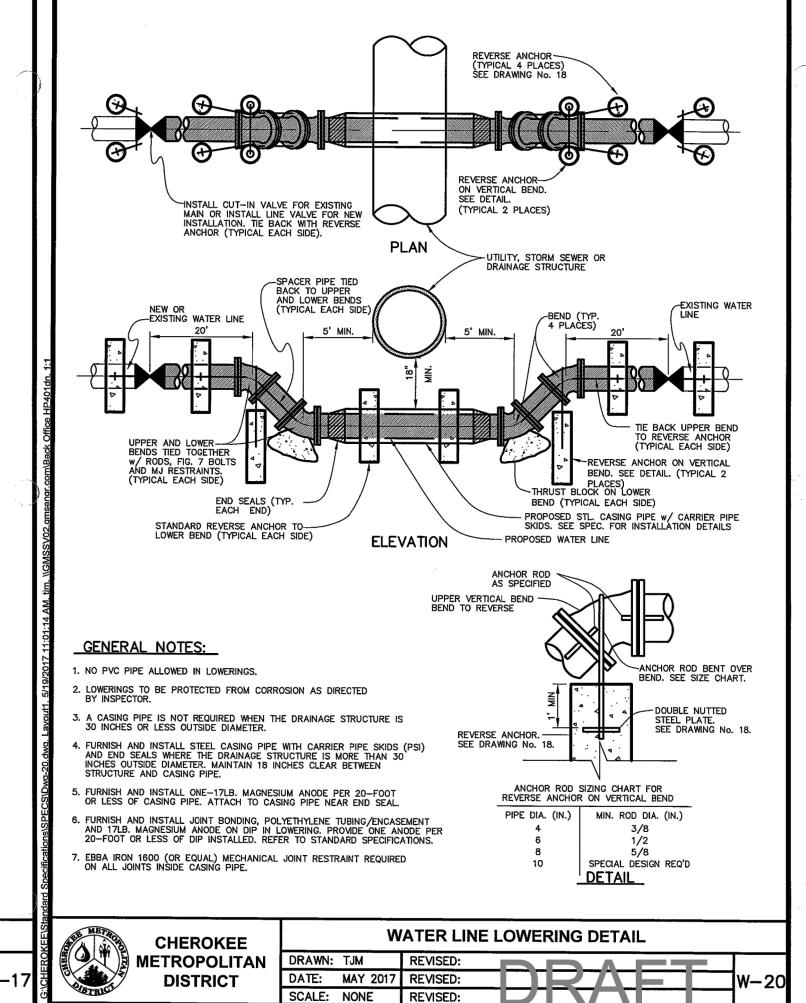
SHEET 8 OF 10

MAXIMUM DEFLECTION PER SLIP JOINT OF D.I.P.

F	PIPE DIAMETER		DE MFRS.		IGN DEFLE (80% MAX		APPROX. RADIUS FOR DEFLECTING CURVES		
I.D.	O.D.(IN.)	0.D.(FT.)	DEFL.		MAX. DI	EFL. DIST.	WITHOUT	BENDS	
1.0.	0.0.(114.)	0.0.(٢1.)			(1)	(2)	20'L	18'L	
4"	4.80"	.400'	5*00'00"	4"00'00"	16"	15"	286'	258'	
6"	6.90"	.575'	5*00'00"	4'00'00"	16"	15"	286'	258'	
8"	9.05"	.754'	5*00'00"	4'00'00"	16"	15"	286'	258'	
10"	11.10"	.925'	5*00'00"	4*00'00"	16"	15"	286'	258'	
12"	13.20"	1.100'	5*00'00"	4*00'00"	16"	15"	286'	258'	
14"	15.30"	1.275'	3.00,00,	2'24'00"	10"	9"	477'	430'	
16"	17.40"	1.450'	3*00'00"	2"24'00"	10"	9"	477'	430'	
18"	19.50"	1.625'	3'00'00"	2'24'00"	10"	9"	477'	430'	
20"	21.60"	1.800'	3.00,00,	2'24'00"	10"	9"	477'	430'	
24"	25.80"	2.150'	3.00,00,	2'24'00"	10"	9"	477'	430'	
30"	32.00"	2.666'	2*30'00"	2'00'00"	8"	7"	573'	516'	
36"	38.30"	3.192'	2'00'00"	1*36'00"	6"	6"	716'	645'	
42"	44.50"	3.708'	2'00'00"	1*36'00"	6"	6"	716'	645'	

(1) 20'L = NORMAL 20-FOOT JOINT LAYING LENGTH (2) 18'L = NORMAL 18-FOOT JOINT LAYING LENGTH





RESTRAINED PIPE LENGTH (FT)

6-INCH DUCTILE IRON AND PVC

	STATIC PRESSURE (PSI)			
TYPE OF FITTING	<100	100-150	150-20	
90° BEND, TEE, VALVE OR PLUG	31	47	62	
45° BEND	13	19	25	
22-1/2" BEND	6	8	11	
11-1/4° BEND	3	5	6	

8-INCH DUCTILE IRON AND PVC

	STATIC	PRESSURE	E (PSI
TYPE OF FITTING	<100	100-150	150-
90° BEND, TEE, VALVE OR PLUG	39	58	78
45° BEND	17	24	3.
22-1/2" BEND	8	12	16
11-1/4" BEND	5	6	8

12-INCH DUCTILE IRON ONLY

	STATIC PRESSURE (PSI)			
TYPE OF FITTING	<100	100-150	150-20	
90° BEND, TEE, VALVE OR PLUG	56	84	112	
45° BEND	23	35	47	
22-1/2° BEND	11	17	22	
11-1/4" BEND	6	8	11	

- 1. PRESSURES GREATER THAN 200 PSI REQUIRE SPECIAL DESIGN APPROVED BY THE DISTRICT.
- 2. LENGTH IS BASED ON MINIMUM 5'-0" OF GROUND COVER AND SOIL COMPACTED ACCORDING TO SECTION 5.15 OF THESE SPECIFICATIONS.
- 3. APPROVED METHODS OF RESTRAINED PIPE BEYOND INITIAL FITTING SHALL BE: A. FOR DUCTILE IRON PIPE, 1100 SERIES MEGALUG BY EBAA IRON OR EQUAL ON MECHANICAL JOINT PIPE OR DOUBLE 1100 SERIES MEGALUG BY EBAA IRON OR EQUAL ON PUSH ON JOINT PIPE. B. FOR PVC PIPE, SERIES 1500 OR SERIES 2800 RESTRAINTS BY EBAA IRON OR EQUAL.

RESTRAINED M.J. PIPE LENGTH DATA CHEROKEE METROPOLITAN DRAWN: TJM REVISED: W-28 DATE: MAY 2017 REVISED:

SCALE: NONE REVISED:

CHEROKEE **METROPOLITAN** DISTRICT

SERVICE TAPS 1-1/2"

& 2" TAPPING SADDLE

-WATER LINE DITCH

HDPE WATER — SERVICE LINE

HDPE WATER SERVICE LINE

NOTE:

BOTTOM OF DITCH

ELEVATION

DIRECT TAPS TO THE WATER MAIN SHALL BE MADE ONLY

WHEN APPROVED BY THE DISTRICT. ALL TAPS SHALL USE TAPPING SADDLES, TAPPING SADDLES SHALL HAVE TWO

BRASS BANDS AND A BRASS CORPORATION CONNECTION

METROPOLITAN

DISTRICT

BOTTOM OF

TAPPING HOLE

DRAWN: TJM REVISED:

DATE: MAY 2017 REVISED:

SCALE: NONE REVISED:



TAPPING HOLE

HDPE WATER SERVICE LINE

HDPE WATER SERVICE LINE

- BOTTOM OF DITCH

BOTTOM OF

TAPPING HOLE

ALLOW 12" CLEARANCE -

SURROUNDING MAIN FOR

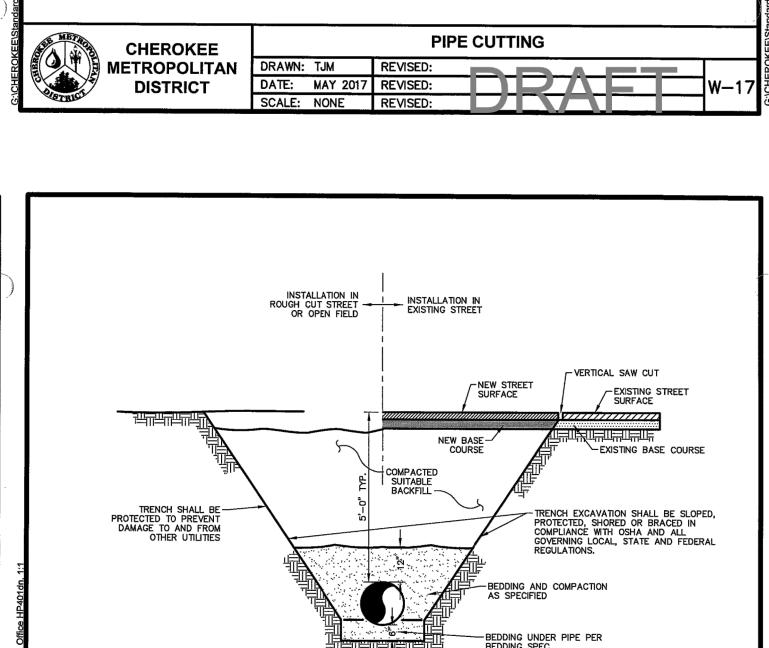
TAPPING MACHINE

--- WATER LINE DITCH

<u>PLAN</u>

SERVICE TAPS 3/4" &

1" CORPORATION ONLY

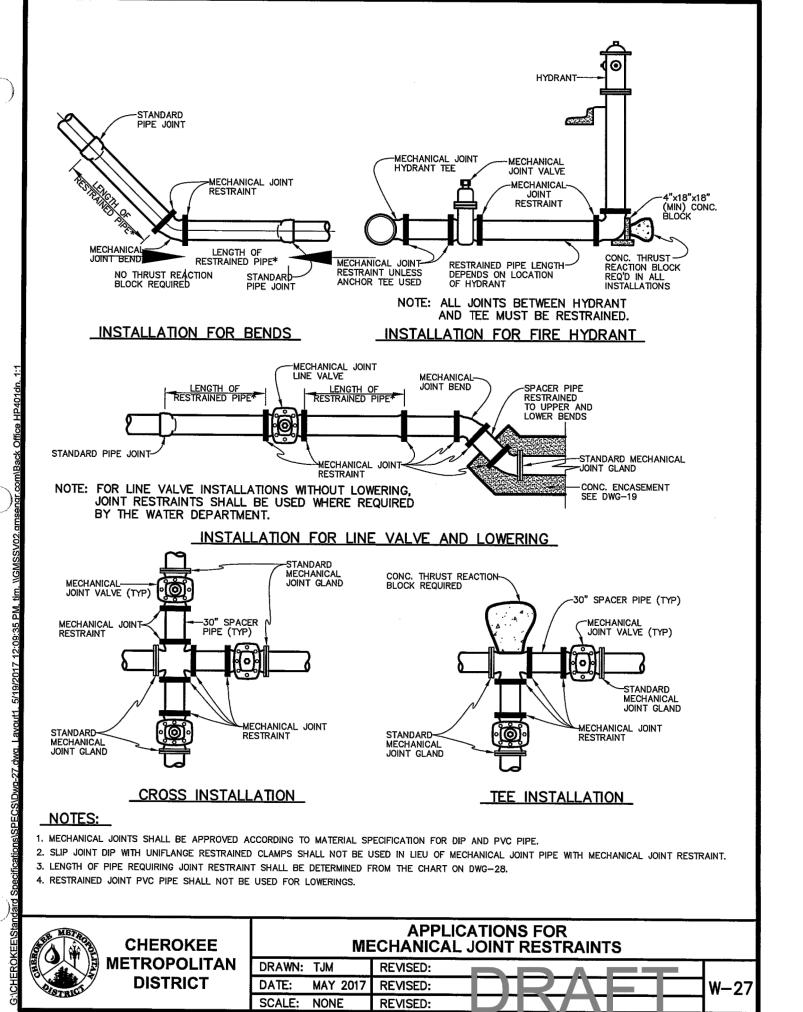


KX	SVC			
	GMS	воттом	OF TRENCH	WIDTH
CORPORATION —	5/19/2017 10:31:42 AM, tim, NGMSSV(PIPE DIAMETER	MINIMUM WIDTH	MAXIMUM WIDTH
CONT CIVATION /	AM.	4"	1'-5"	3'-9"
\ /	:42	6"	1'-7"	3'-11"
	9,3	8"	1'-9"	4'-1"
	17 1	12"	2'-1"	4'-5"
12"	9/20	16"	2'-6"	4'-9"
(20"	2'-10"	5'-2"
	Lavout1	24"	3'-2"	5'-6"
	dwa			
[12]	wa-15.dwa			
<u> </u>	,- Vd-,'			

AN OVER EXCAVATED TRENCH SHALL BE REFILLED AND THOROUGHLY COMPACTED UNDER THE DIRECTION OF THE DISTRICT. UNDER NO CIRCUMSTANCES WILL PIPE BE LAID IN A PROPOSED FILL AREA PRIOR TO IT BEING COMPLETELY FILLED. THE FILL WILL BE PLACED FIRST TO PROPOSED GRADE AND COMPACTED AS REQUIRED. A TRENCH THEN WILL BE EXCAVATED AND THE PIPE INSTALLED IN THE USUAL MANNER.

٧.	ELEVATION						
	TAPPING DE	TAIL 3	3/4" - 2"				EE\Standard
F	REVISED:						S Š
F	REVISED:			\Box		1w-37	뜅
F	REVISED:			7/			9
							, —

TYF	PICAL TRENCH CROSS SECTION
DRAWN: TJM	REVISED:
DATE: MAY 2017	REVISED: W-15
SCALE: NONE	REVISED:
	DRAWN: TJM DATE: MAY 2017





Know what's below. Call before you dig.

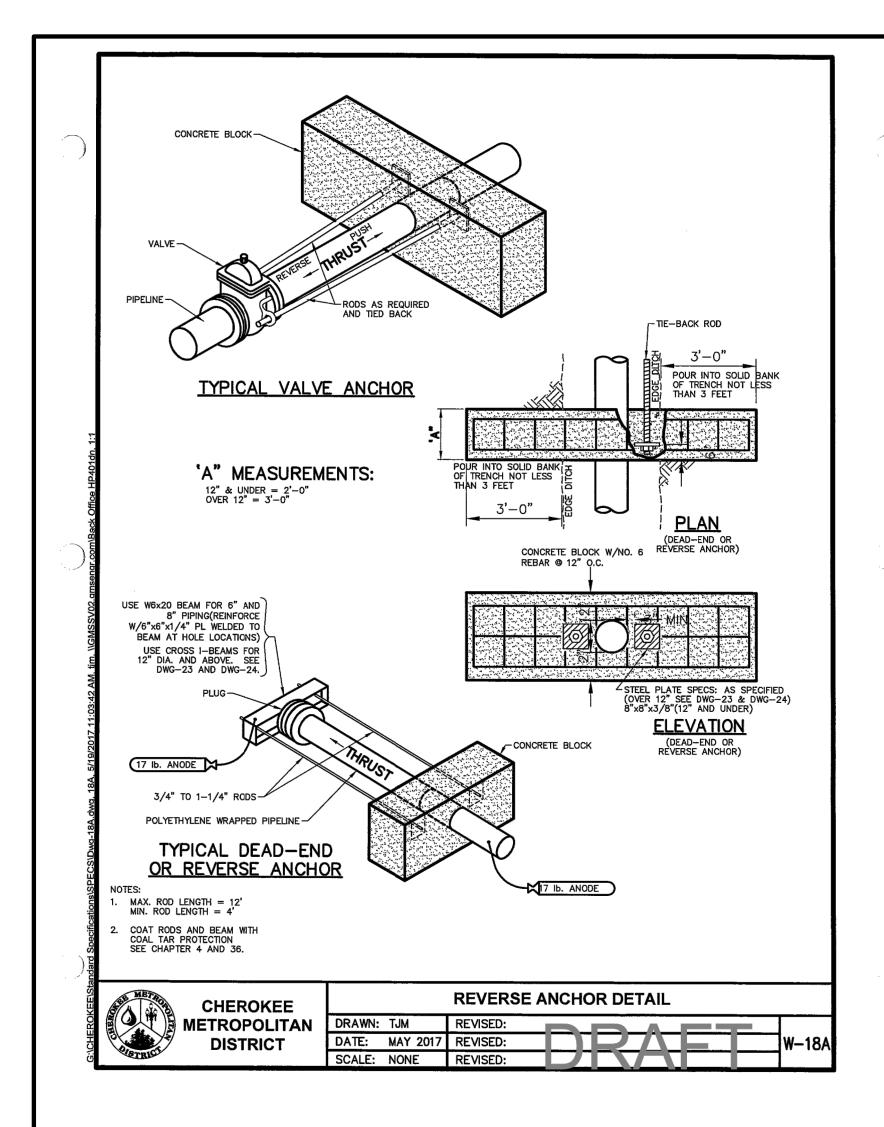
ENGINEER'S STATEMENT PREPARED UNDER MY DIRECT SUPERVISION AND CONSELHALF OF JR ENGINEERING 32314

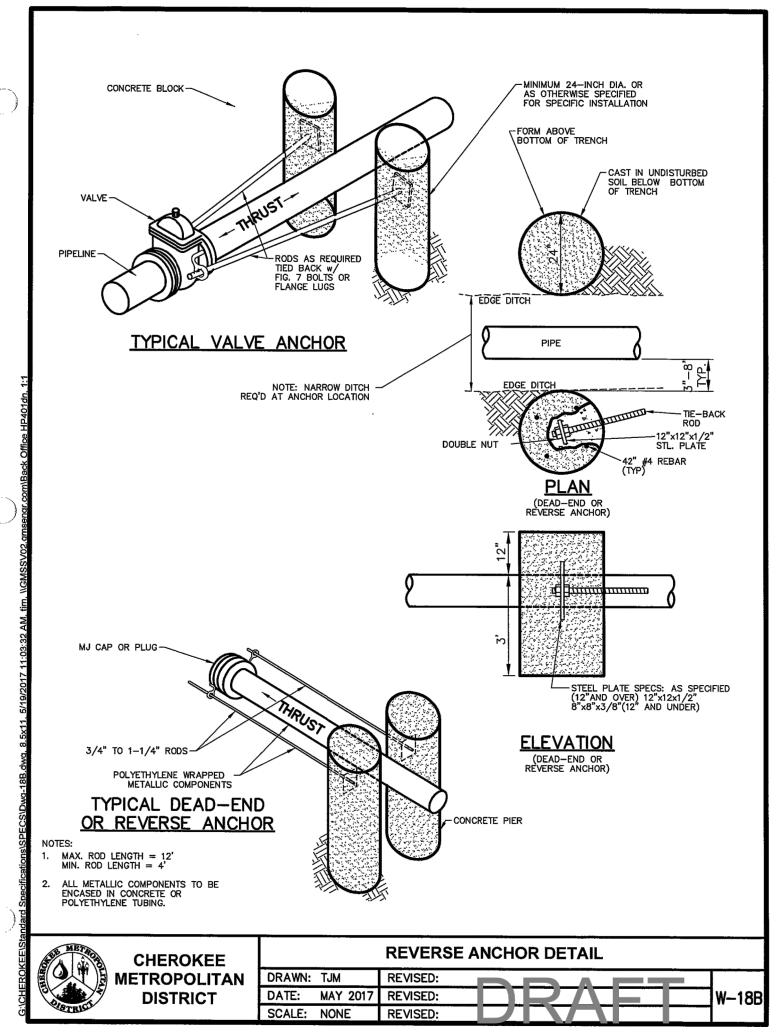
MIKE A. BRAMLETT, P.E. COLORADO P.E. 32314

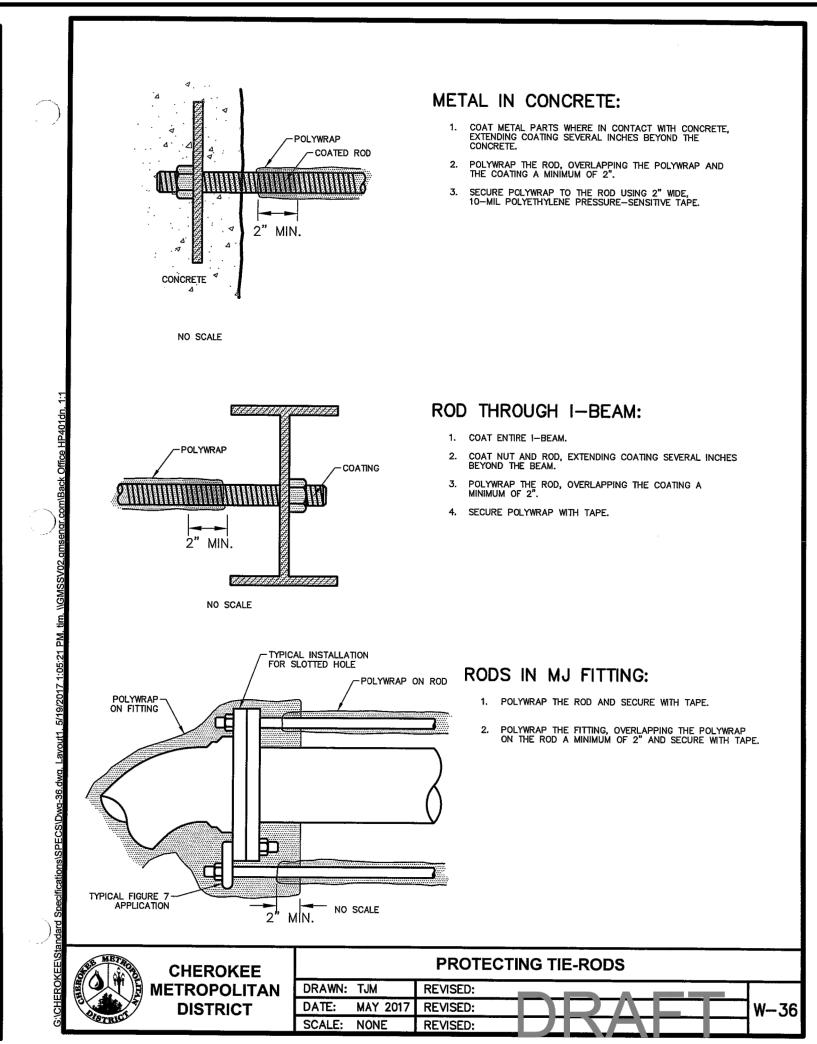
FOR AND ON BEHALF OF JR ENGINEERING

SHEET 9 OF 10

CIMARRON









ENGINEER'S STATEMENT
PREPARED UNDER MY DIRECT SUPERVISION AND ONC BEHALF OF JR ENGINEERING 32314
MIKE A. BRAMLETT, P.E. COLORADO P.E. 32314 FOR AND ON BEHALF OF JR ENGINEERING OF A L. MININGERING OF THE PROPERTY OF THE PR

ET, SUITE 400
APPROVEE
AGENCIES,
60607
AGENCIES,
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ONLY FOR
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JACKSON DEARBORN PARTNE 404 S. WELLS STREET, SUITE 4 CHICAGO, IL 60607 ATTN: DANE OLMSTEAD (734)216-2577

J-R ENGINEERING

A Westrian Company

3-740-9393 • Colorado Springs 719-593-2593

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 REVISION
 BY

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SOLACE AT CIMARRON HILL

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DETAIL SHEETS

SHEET 10 OF 10

JOB NO. 25174.00