

COUNTY OF EL PASO, STATE OF COLORADO

CONSTRUCTION PLANS

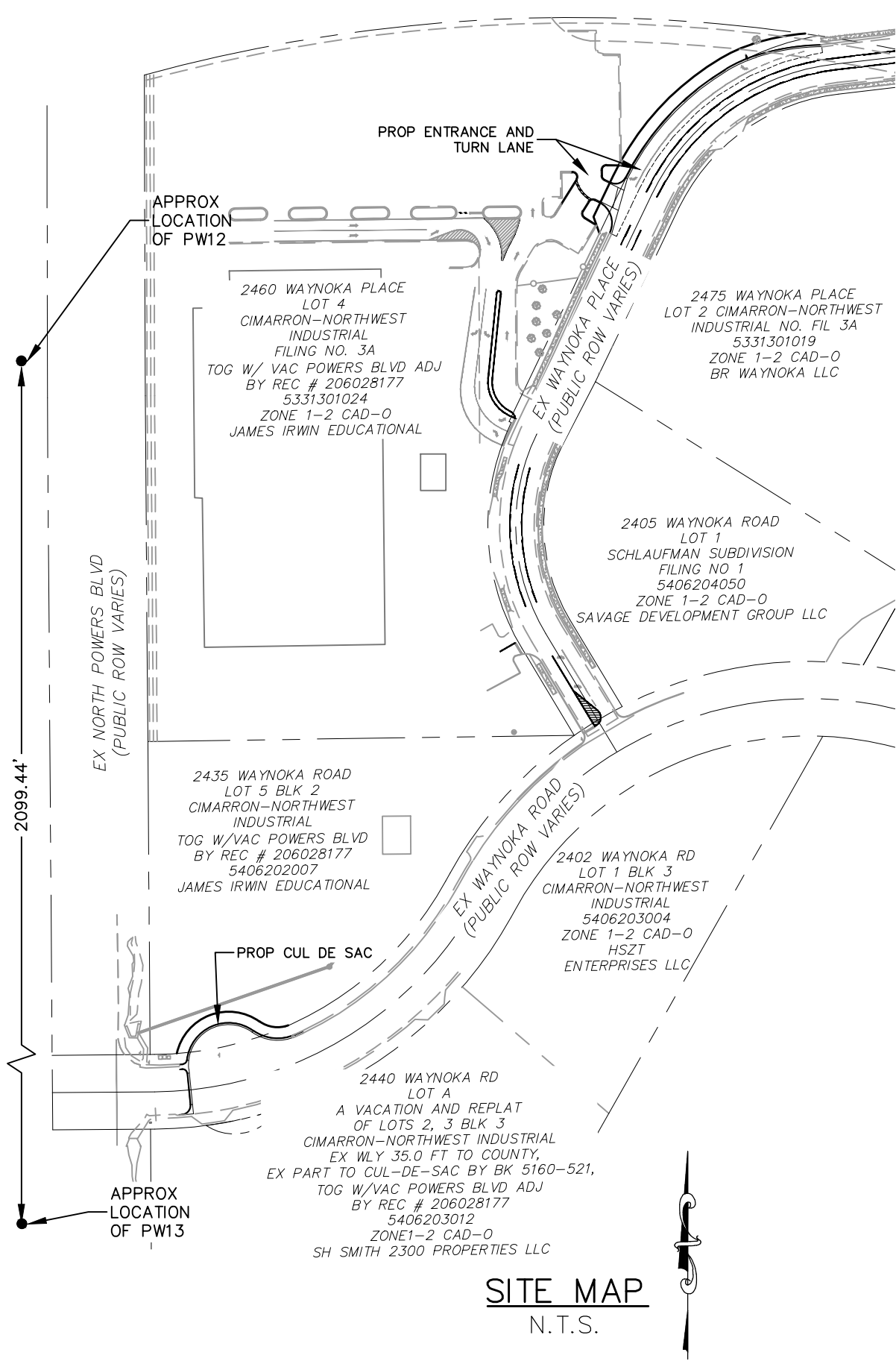
MAY 2023

GENERAL CONSTRUCTION NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF THE WORK. THE OMISSION FROM OR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NONEXISTENCE OF OR A DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES.
2. THE CONTRACTOR WILL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO THIS OPERATION. ANY DAMAGE TO THE UTILITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, AND ANY SERVICE DISRUPTION WILL BE SETTLED BY THE CONTRACTOR.
3. ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
4. ALL BACKFILL, SUB-BASE, AND/OR BASE COURSE (CLASS 6) MATERIAL SHALL BE COMPACTED PER THE SOILS ENGINEER'S RECOMMENDATIONS, AND APPROVED BY EL PASO COUNTY PCD.
5. ALL STATIONING IS CENTERLINE OF IMPROVEMENTS UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE FLOW LINE UNLESS OTHERWISE INDICATED AS TOP BACK OF CURB (TBC), ASPHALT (ASP), OR TOP OF INLET OR BOX (TOB).
6. ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES. REPAIR SHALL CONFORM TO EPC ECM APPENDIX K - 1.2C.
7. ALL INTERSECTION ACCESSES TO BE CONSTRUCTED WITH A 25 FOOT SIGHT VISIBILITY TRIANGLE IS REQUIRED AND THERE SHALL BE NO OBSTRUCTIONS GREATER THAN 18" VERTICAL IN THIS AREA.
8. ALL CULVERTS AND STORM DRAIN PIPES SHALL BE SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE, REINFORCED CONCRETE PIPE (RCP). ALL CULVERTS SHALL BE PLACED COMPLETELY WITH FLARED END SECTIONS. ADEQUACY OF MATERIAL THICKNESS FOR ANY SPC INSTALLED SHALL BE VERIFIED BY OWNER'S GEOTECHNICAL ENGINEER TO SUPPORT MINIMUM 50 YEAR DESIGN LIFE. CULVERTS MUST CONFORM TO EPC ECM SECTION 3.32 - CULVERTS.
9. ASPHALT THICKNESS AND BASE COURSE THICKNESS (COMPACTED) FOR ROADS SHALL BE PER DESIGN SPECIFICATION BY OWNER'S GEOTECHNICAL ENGINEER. OWNER'S GEOTECHNICAL ENGINEER TO BE ON SITE AT THE TIME OF ROAD CONSTRUCTION TO EVALUATE SOIL CONDITIONS AND DETERMINE IF ADDITIONAL MEASURES ARE NECESSARY TO ASSURE STABILITY OF THE NEW ROADS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO CONSTRUCTION.

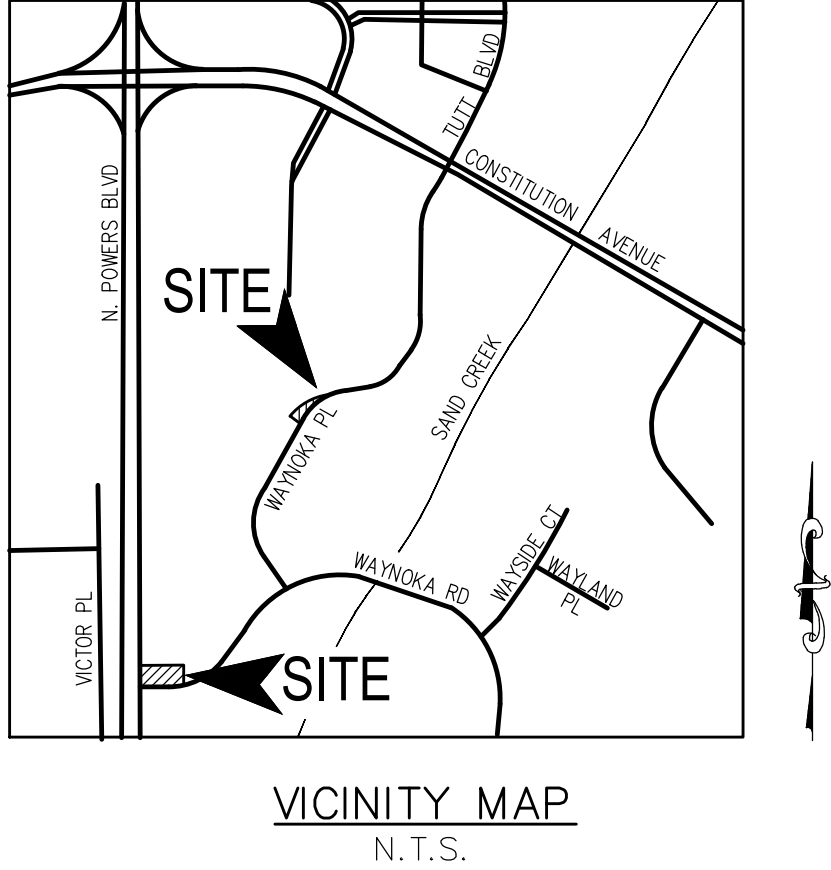
STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS

3. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
3. CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES INCLUDING THE FOLLOWING:
 - a. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
 - b. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
 - c. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 - d. 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 VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATION 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 ON-SITE AND OFF-SITE, 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 DEPARTMENT - INSPECTIONS PRIOR TO STARTING CONSTRUCTION.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND 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 PCd.
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 AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN 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 NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.



SIGNAGE AND STRIPING NOTES:

3. ALL SIGNS AND PAVEMENT MARKINGS 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 THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
4. ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
7. ALL STREET NAME SIGNS SHALL HAVE "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" MINIMUM 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. CROSSWALKS 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 SIGNING AND STRIPING.
14. THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.



SHEET INDEX

- | | |
|---------|---------------------------------------|
| SHEET 1 | TITLE SHEET |
| SHEET 2 | TYPICAL DETAILS |
| SHEET 3 | WAYNOKA ROAD DEMOLITION PLAN |
| SHEET 4 | WAYNOKA PLACE DEMOLITION PLAN |
| SHEET 5 | WAYNOKA ROAD STREET IMPROVEMENT PLAN |
| SHEET 6 | WAYNOKA ROAD STREET IMPROVEMENT PLAN |
| SHEET 7 | WAYNOKA PLACE STREET IMPROVEMENT PLAN |
| SHEET 8 | WAYNOKA PLACE PEDESTRIAN RAMP DETAIL |
| SHEET 9 | SIGNAGE AND STRIPING PLAN |

AGENCIES:

OWNER/DEVELOPER:

ELDER CONSTRUCTION
4870 CENTENNIAL BLVD, SUITE 100
COLORADO SPRINGS, CO 80919
JEREMY HAMMERS (719)471-2708

CIVIL ENGINEER:

M & S CIVIL CONSULTANTS, INC.
212 N. WAHSATCH, SUITE 305
VIRGIL A. SANCHEZ P.E. (719) 955-5485

COUNTY ENGINEERING:

EL PASO COUNTY PLANNING
AND COMMUNITY DEVELOPMENT
2880 INTERNATIONAL CIRLE, SUITE 110
COLORADO SPRINGS, CO 80910

TRAFFIC ENGINEERING:

EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS
3275 AKERS DRIVE
COLORADO SPRINGS, CO 80922

WATER RESOURCES:

CHEROKEE METROPOLITAN DISTRICT
6250 PALMER PARK BOULEVARD
COLORADO SPRINGS, CO 80915-1721
JEFF MUNGER (719) 597-5080

FIRE DISTRICT:

CIMARRON HILLS FIRE DEPARTMENT
1835 TUSKEGEE PLACE
COLORADO SPRINGS, CO 80915
(719) 591-0960

GAS DEPARTMENT:

COLORADO SPRINGS UTILITIES
7710 DURANT DR.
COLORADO SPRINGS, CO 80947
TIM WENDT (719) 668-3556

ELECTRIC DEPARTMENT:

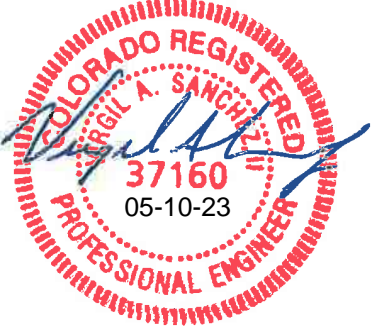
COLORADO SPRINGS UTILITIES
7710 DURANT DR.
COLORADO SPRINGS, CO 80947
TIM WENDT (719) 668-3556

COMMUNICATIONS:

QWEST COMMUNICATIONS
(U.N.C.C. LOCATORS) (800) 922-1987
AT&T (LOCATORS) (719). 635-3674

DESIGN ENGINEER'S STATEMENT:

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



VIRGIL A. SANCHEZ, COLORADO P.E. #37160
FOR AND ON BEHALF OF M & S CIVIL CONSULTANTS, INC.

OWNER/DEVELOPER'S STATEMENT:

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

JEREMY HAMMERS (719)471-2708
ELDER CONSTRUCTION

DATE _____

EL PASO COUNTY:

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

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

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

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

Approved

By: Elizabeth Nijkamp, P
Date: 05/25/2023
El Paso County Department of



PROJECT NO. 10-022			SCALE:		DATE: 05/10/2023	
DESIGNED BY: GW			HORIZONTAL: N/A		SHEET 1 OF 9	
DRAWN BY: CLP			VERTICAL: N/A		S101	
CHECKED BY: VAS						

212 N. WAHSATCH AVE., STE 305
COLORADO SPRINGS, CO 80903
PHONE: 719.955.5485

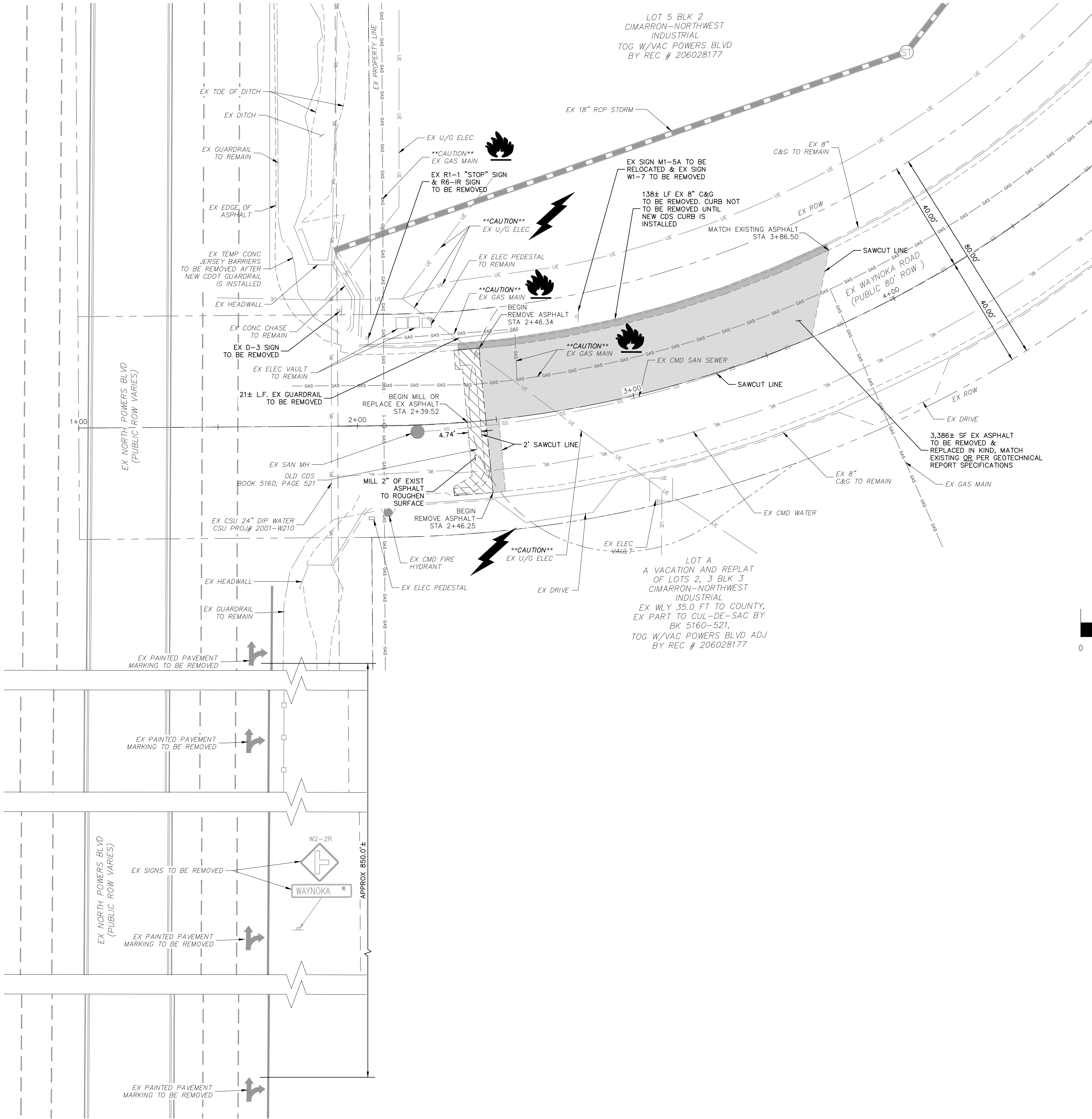


160 FOR AND ON
BEHALF OF
M&S CIVIL
CONSULTANTS,
INC.

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FOR LOCATING
& MARKING
GAS,
ELECTRIC,
WATER &
TELEPHONE
LINES

FOR BURIED UTILITY INFORMATION
48 HRS BEFORE YOU DIG
CALL 1-800-922-1987

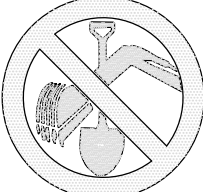


ABBREVIATION LEGEND

CL	CENTERLINE
LT	LEFT
RT	RIGHT
C&G	CURB AND GUTTER
EL	ELEVATION
W	WEST
CONST	CONSTRUCTION
N	NORTH
WTR	WATER
S	SOUTH
STM	STORM SEWER
PUB	PUBLIC
EX	EXISTING
STA	STATION
NTS	NOT TO SCALE
PROP	PROPOSED
SAN	SANITARY SEWER
CDS	CUL DE SAC
CMD	CHEROKEE METRO DISTRICT
VAC	VACATED

LEGEND

SS	EXISTING SAN SEWER
GAS	EXISTING GAS MAIN
WT	EXISTING WATER MAIN
UE	EXISTING GUARDRAIL
UE	EXISTING U/G ELEC
EXISTING STORM SEWER	
EXISTING FIRE HYDRANT	
EXISTING STORM MH	
EXISTING SAN MH	
EXISTING LIGHT POLE	
EXISTING SIGN	
EXISTING ASPHALT TO BE REMOVED	
EXISTING C&G TO BE REMOVED	
EXISTING ASPHALT TO BE MILLED OR REPLACED TO MATCH NEW CUL DE SAC ELEVATION. SEE S105	
EXISTING GUARD RAIL TO BE REMOVED	

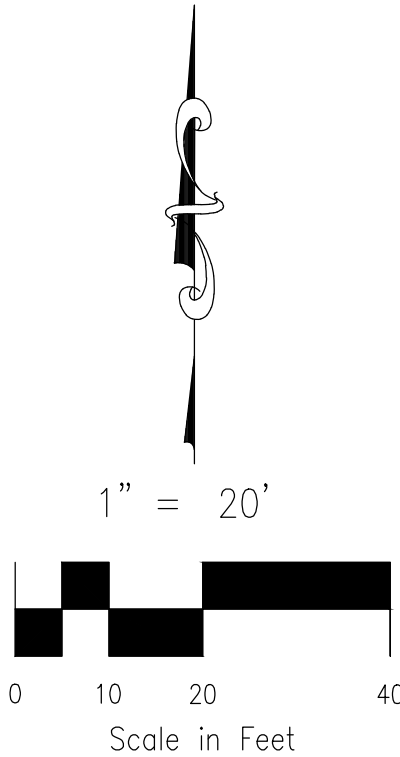


FOR LOCATING & MARKING GAS, ELECTRIC, WATER & TELEPHONE LINES
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NOTE:

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CONTRACTOR SHALL ADJUST ALL EXISTING VALVE COVERS, SANITARY AND STORM SEWER MANHOLES RIMS, ELECTRIC VAULTS THAT LAY WITHIN THE PROPOSED PAVEMENT, CONCRETE CURB AND SIDEWALKS. ANY CONFLICTS SHALL BE COORDINATED WITH THE ENGINEER.



JICS - WAYNOKA

DEMOLITION PLAN - WAYNOKA ROAD

DATE: 05/10/2023

SCALE: HORIZONTAL: 1"=20'

DESIGNED BY: GW

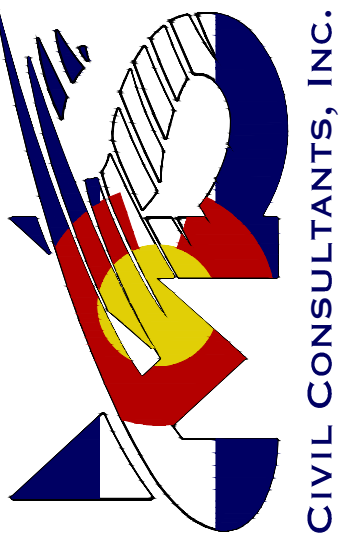
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CHECKED BY: VAS

S103

SHEET 3 OF 9

212 N WAHATCH AVE, STE 305
COLORADO SPRINGS, CO 80903
PHONE 719.555.9465



MIRGL A. SANCHEZ, COLORADO P.E. NO. 37160

FOR AND ON BEHALF OF CIVIL CONSULTANTS, INC.



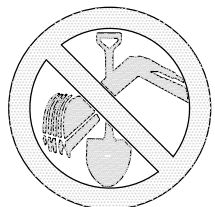
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THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARED OF THESE PLANS.

CAUTION

EPC 5/25/23

EL PASO COUNTY FILE NO. PCD # PPR239



FOR LOCATING
& MARKING
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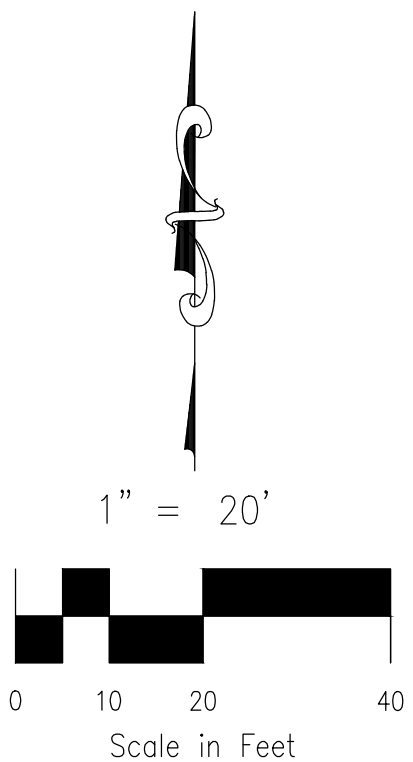
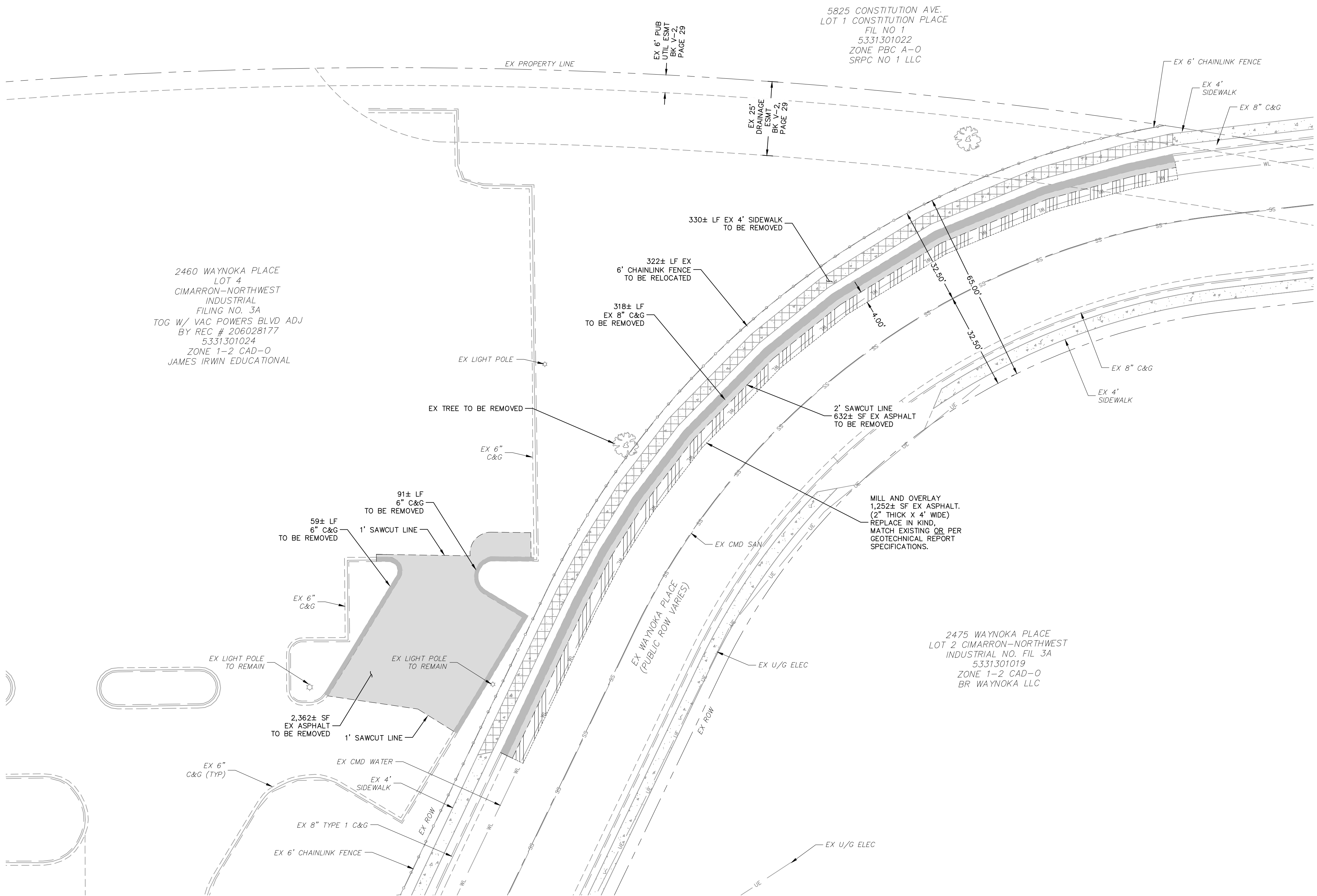
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WT EXISTING WATER MAIN
EXISTING GUARDRAIL
UE EXISTING U/G ELEC
EXISTING STORM SEWER
EXISTING 6' CHAINLINK FENCE
EXISTING FIRE HYDRANT
ST EXISTING STORM MH
EXISTING SAN MH
EXISTING LIGHT POLE
EXISTING SIGN
EXISTING TREE
EXISTING ASPHALT TO BE REMOVED
2"x4" WIDE MILL AND OVERLAY MATCH EXISTING
EXISTING C&G TO BE REMOVED
EXISTING SIDEWALK TO BE REMOVED
EXISTING CHAINLINK FENCE TO BE REMOVED



EPC 5/25/23

EL PASO COUNTY FILE NO. PCD # PPR239

JICS - WAYNOKA

DEMOLITION PLAN - WAYNOKA PLACE

DATE: 05/10/2023

SCALE: HORIZONTAL: 1"=20'

PROJECT NO. 10-022

DESIGNED BY: GW

DRAWN BY: CLP

CHECKED BY: VAS

S104

SHEET 4 OF 9

212 N WAHSATCH AVE, STE 305
COLORADO SPRINGS, CO 80903
PHONE 719.555.9465



MIRGL A. SANCHEZ, COLORADO P.E. NO. 37160

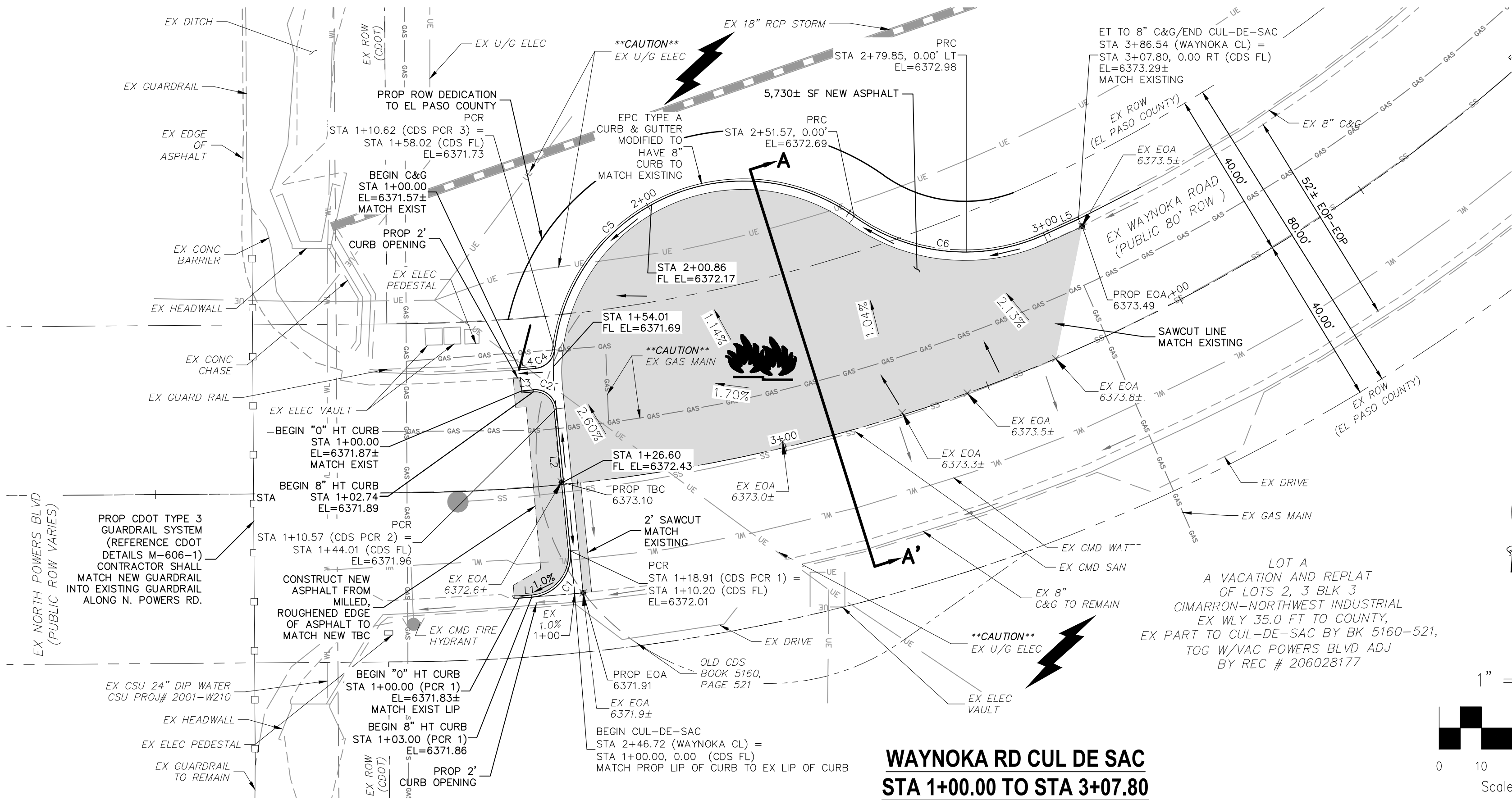
FOR AND ON
BEHALF OF
CIVIL CONSULTANTS,
INC.



REVISIONS: NO. DATE: BY: DESCRIPTION: APPROV'D. BY: DATE:

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CAUTION

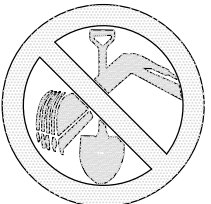


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SAN	SANITARY SEWER
CDS	CUL DE SAC
CMD	CHEROKEE METRO DISTRICT
CSU	COLORADO SPRINGS UTILITIES
VAC	VACATED
BT	BEGIN TRANSITION
ET	END TRANSITION

LEGEND

—SS—	EXISTING SAN SEWER
—GAS—	EXISTING GAS MAIN
—WT—	EXISTING WATER MAIN
—	EXISTING GUARDRAIL
—UE—	EXISTING U/G ELEC
—	EXISTING STORM SEWER
—	EXISTING FIRE HYDRANT
—	EXISTING STORM MH
—	EXISTING SAN MH
—	EXISTING LIGHT POLE
—	EXISTING SIGN
—	PROPOSED ASPHALT



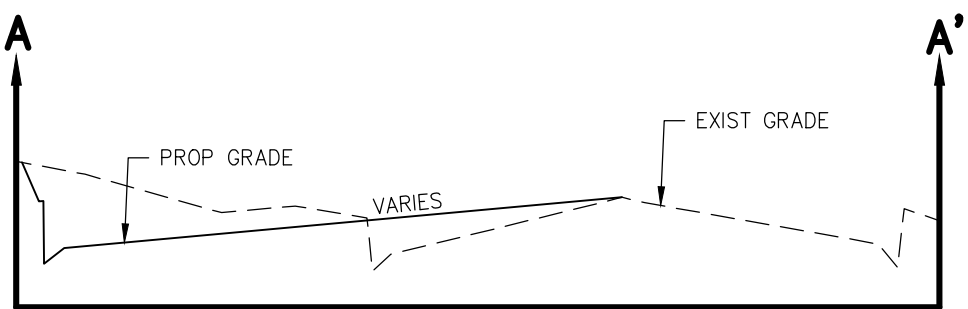
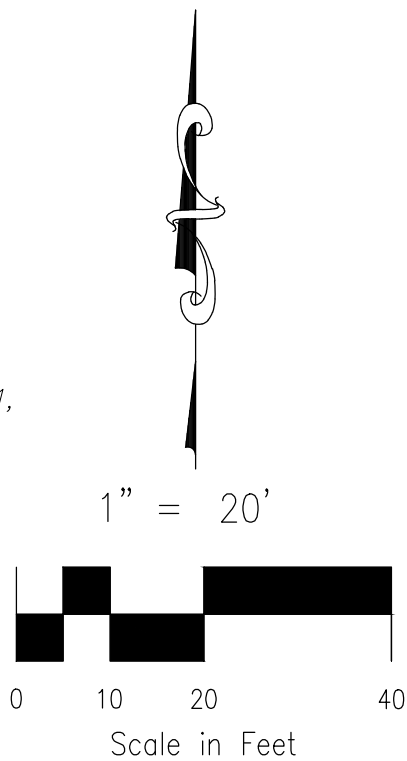
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FLOWLINE CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	15.92	10.00	91.23
C2	7.83	5.00	89.78
C4	6.81	5.00	78.03
C5	93.55	45.00	119.11
C6	47.28	45.00	60.20

FLOWLINE LINE TABLE		
LINE	LENGTH	DIRECTION
L1	3.00	N85°30'48"E
L2	33.80	N5°43'11"W
L3	2.74	N84°30'10"E
L4	3.81	N84°30'10"E
L5	8.95	S65°23'16"W

NOTE:

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- CONTRACTOR SHALL ADJUST ALL EXISTING VALVE COVERS, SANITARY AND STORM SEWER MANHOLES RIMS, ELECTRIC VAULTS THAT LAY WITHIN THE PROPOSED PAVEMENT, CONCRETE CURB AND SIDEWALKS. ANY CONFLICTS SHALL BE COORDINATED WITH THE ENGINEER.
- SEAL JOINT ON SAWCUT LINE SO IT IS NOT EXPOSED IN FINAL ROAD SECTION AND MOISTURE INFILTRATION IS PREVENTED.



SECTION A-A'

SCALE: HORIZ: 1"=20'
VERT: 1"=2'

EPC 5/25/23

EL PASO COUNTY FILE NO. PCD # PPR239

JICS - WAYNOKA

WAYNOKA ROAD STREET IMPROVEMENT PLAN

PROJECT NO. 10-022	DATE: 05/10/2023	SHEET 5 OF 9
DESIGNED BY: GW	CHECKED BY: VAS	S105
DRAWN BY: CIP	VERTICAL: 1"=2'	

212 N WAHSATCH AVE, STE 305
COLORADO SPRINGS, CO 80903
PHONE 719.555.5465



MIRGL A. SANCHEZ, COLORADO P.E. NO. 37160

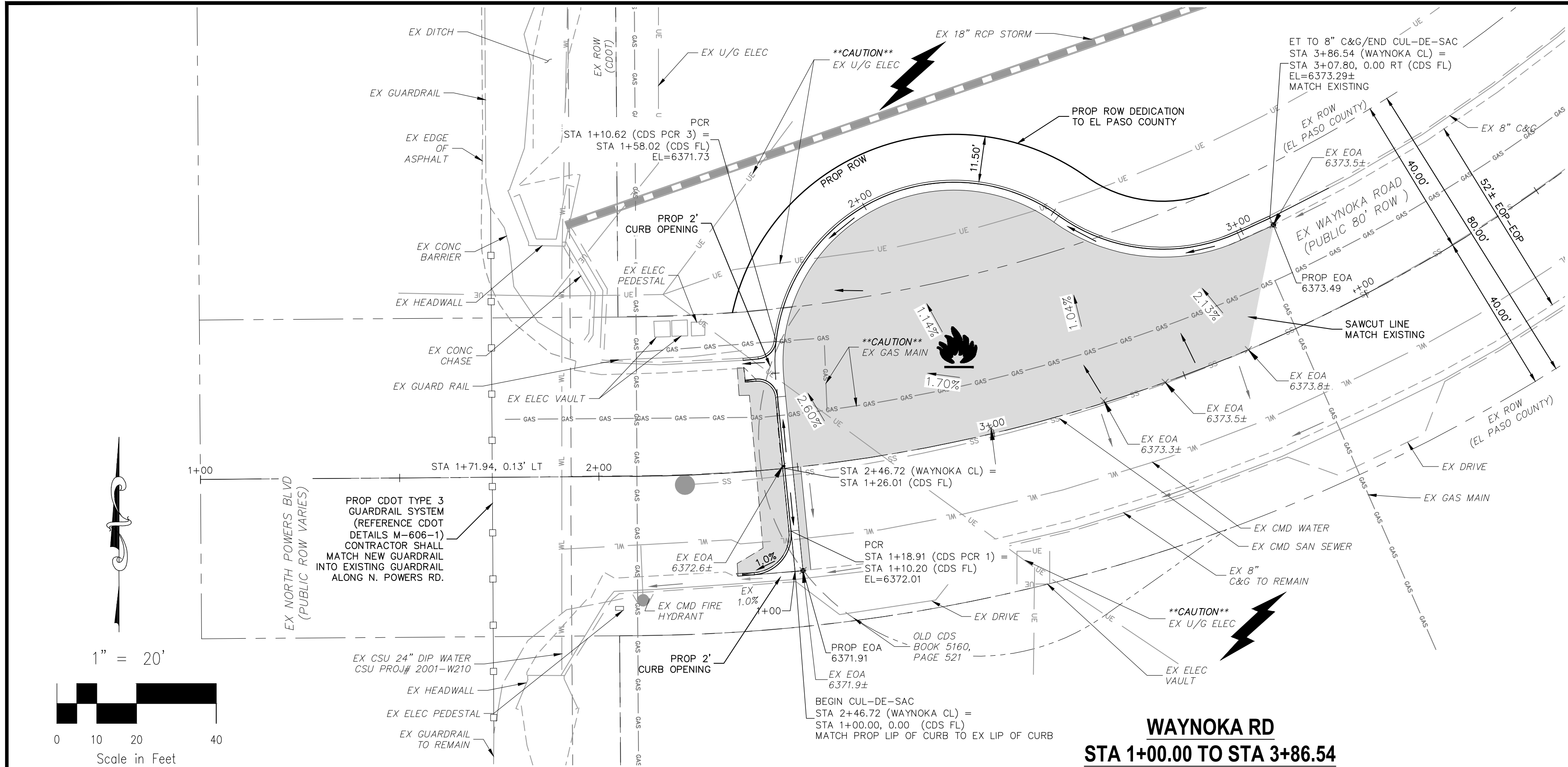
FOR AND ON BEHALF OF
CIVIL CONSULTANTS,
INC.



REVISIONS: NO. DATE: BY: DESCRIPTION: APR'D. BY: DATE:

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CAUTION

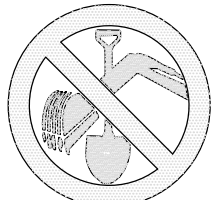


ABBREVIATION LEGEND

CL	CENTERLINE
LT	LEFT
RT	RIGHT
C&G	CURB AND GUTTER
EL	ELEVATION
W	WEST
CONST	CONSTRUCTION
N	NORTH
WTR	WATER
S	SOUTH
STM	STORM SEWER
PUB	PUBLIC
EX	EXISTING
STA	STATION
NTS	NOT TO SCALE
PROP	PROPOSED
SAN	SANITARY SEWER
CDS	CUL DE SAC
CMD	CHEROKEE METRO DISTRICT
CSU	COLORADO SPRINGS UTILITIES
VAC	VACATED
BT	BEGIN TRANSITION
ET	END TRANSITION

LEGEND

SS	EXISTING SAN SEWER
GAS	EXISTING GAS MAIN
WT	EXISTING WATER MAIN
	EXISTING GUARDRAIL
UE	EXISTING U/G ELEC
	EXISTING STORM SEWER
	EXISTING FIRE HYDRANT
	EXISTING STORM MH
	EXISTING SAN MH
	EXISTING LIGHT POLE
	EXISTING SIGN
	PROPOSED ASPHALT

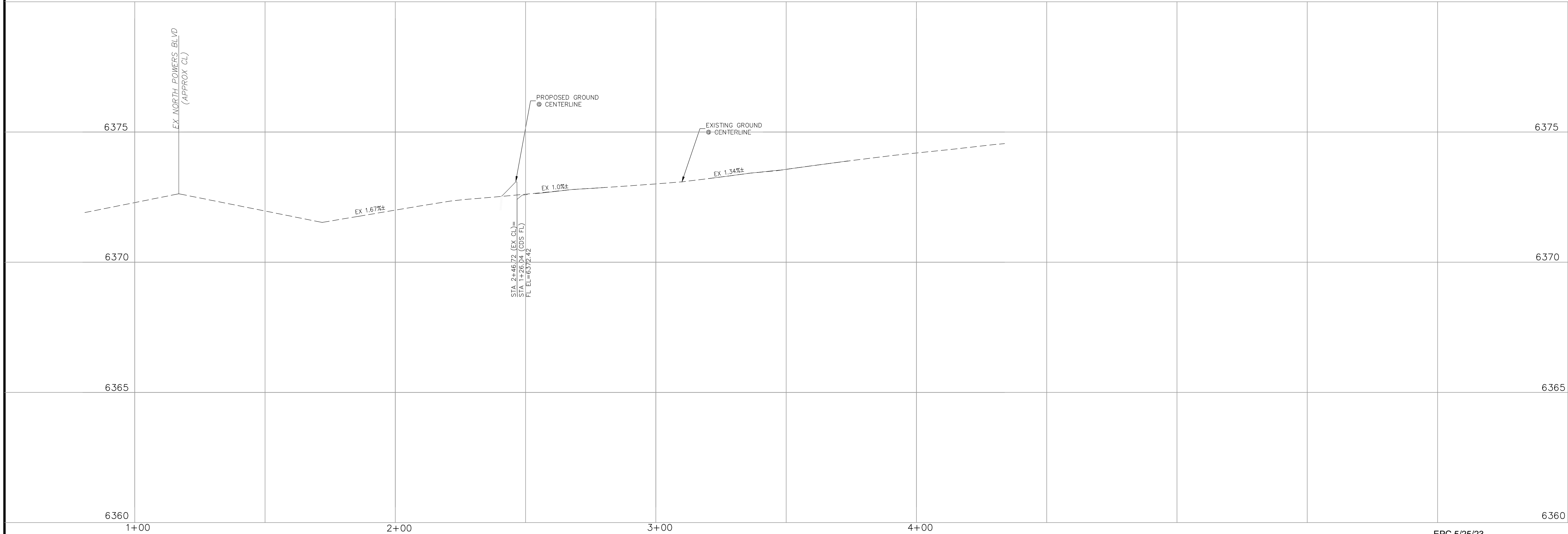


FOR LOCATING
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WAYNOKA RD
STA 1+00.00 TO STA 3+86.54



EPC 5/25/23

EL PASO COUNTY FILE NO. PCD # PPR239

JICS - WAYNOKA

WAYNOKA ROAD STREET IMPROVEMENT PLAN

PROJECT NO. 10-022	SCALE: HORIZONTAL: 1"=20' VERTICAL: 1"=2'	DATE: 05/10/2023	SHEET 6 OF 9
DESIGNED BY: GW	CIP	CHECKED BY: VAS	S106

212 N WAHSATCH AVE STE 305
COLORADO SPRINGS CO 80903
PHONE 719.555.5465



MIRIEL A. SANCHEZ, COLORADO P.E. NO. 37160

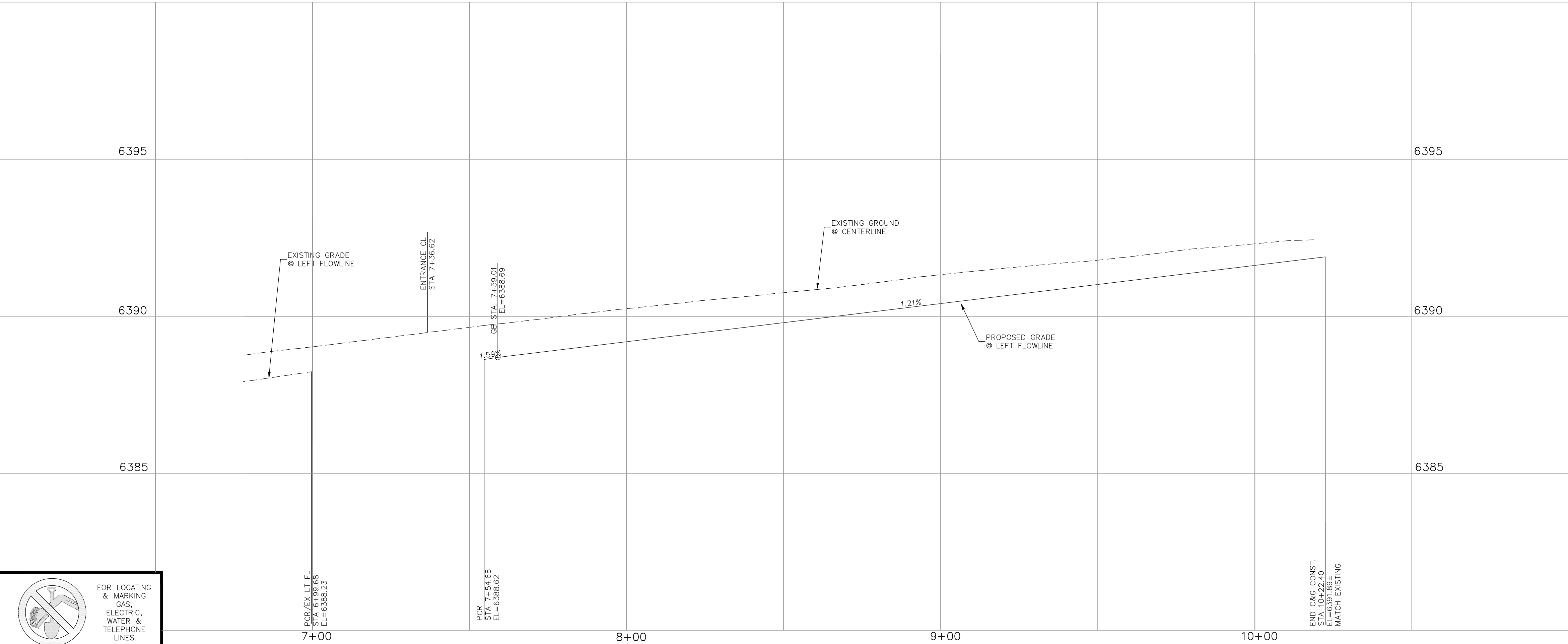
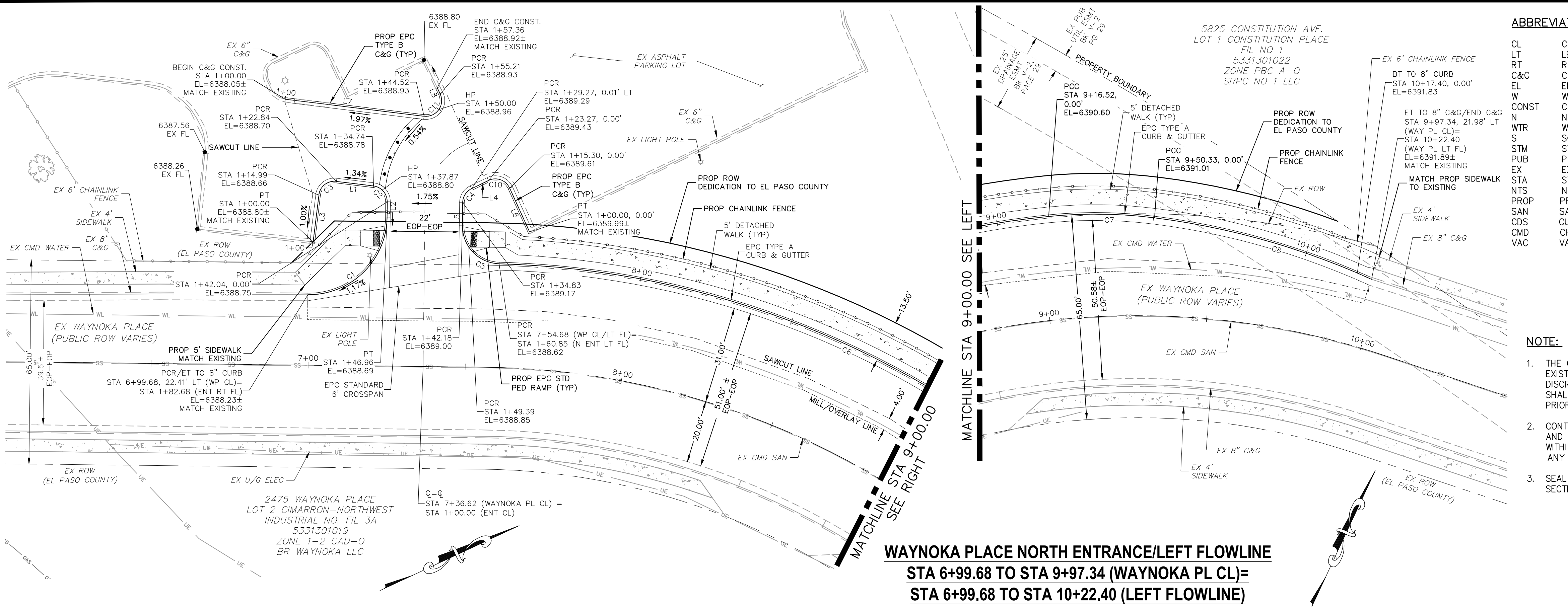
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CAUTION





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ABBREVIATION LEGEND

- CL

LT

RT

C&G

EL

W

CONST

N

WTR

S

STM

PUB

EX

STA

NTS

PROP

SAN

CDS

CMD

VAC
- CENTERLINE

LEFT

RIGHT

CURB AND GUTTER

ELEVATION

WEST

CONSTRUCTION

NORTH

WATER

SOUTH

STORM SEWER

PUBLIC

EXISTING

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NOT TO SCALE

PROPOSED

SANITARY SEWER

CUL DE SAC

CHEROKEE METRO DISTRICT

VACATED

LEGEND

- SS

GAS

WT

UE

ST

ST

ST

ST

ST
- EXISTING SAN SEWER

EXISTING GAS MAIN

EXISTING WATER MAIN

EXISTING GUARDRAIL

EXISTING U/G ELEC

EXISTING STORM SEWER

EXISTING 6' CHAINLINK FENCE

EXISTING FIRE HYDRANT

EXISTING STORM MH

EXISTING SAN MH

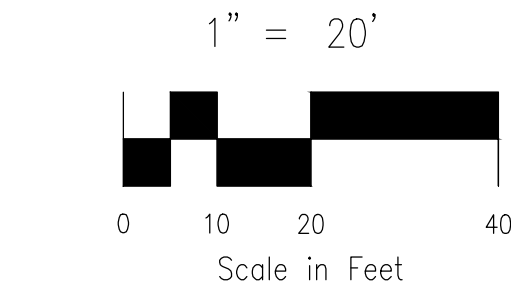
EXISTING LIGHT POLE

EXISTING SIGN

EXISTING TREE

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FLOWLINE CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	39.21	25.00	89.86
C2	7.30	5.00	83.65
C3	7.85	5.00	90.00
C4	5.55	5.00	63.61
C5	18.67	12.00	89.15
C6	161.84	283.00	32.77
C7	33.81	149.50	12.96
C8	72.07	239.09	17.27
C10	7.97	5.00	91.31
C11	10.69	5.00	122.48

FLOWLINE LINE TABLE		
LINE	LENGTH	DIRECTION
L1	11.90	S31°59'54"W
L2	4.92	N64°21'00"W
L3	15.56	N58°00'06"W
L4	6.00	S0°44'27"E
L5	7.35	S64°21'00"E
L6	15.30	S89°25'34"E
L7	44.52	N31°59'54"E
L8	2.15	S89°31'18"W

EPC 5/25/23

EL PASO COUNTY FILE NO. PCD # PPR239

JICS - WAYNOKA

WAYNOKA PL. STREET IMPROVEMENT PLAN

PROJECT NO. 10-022

DATE: 05/10/2023

SCALE: HORIZONTAL: 1"=20' VERTICAL: 1"=2'

DESIGNED BY: GW CLP VAS

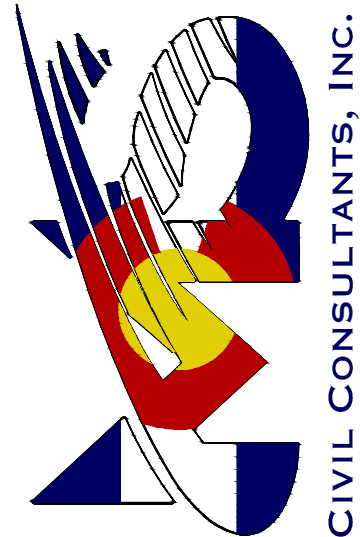
DRAWN BY: VAS

CHECKED BY:

S107

SHEET 7 OF 9

212 N WAHSATCH AVE. STE 305
COLORADO SPRINGS, CO 80903
PHONE 719.555.9465



CIVIL CONSULTANTS, INC.

FOR AND ON BEHALF OF MR. A. SANCHEZ, COLORADO P.E. NO. 37160

FOR AND ON BEHALF OF MR. A. SANCHEZ, COLORADO P.E. NO. 37160



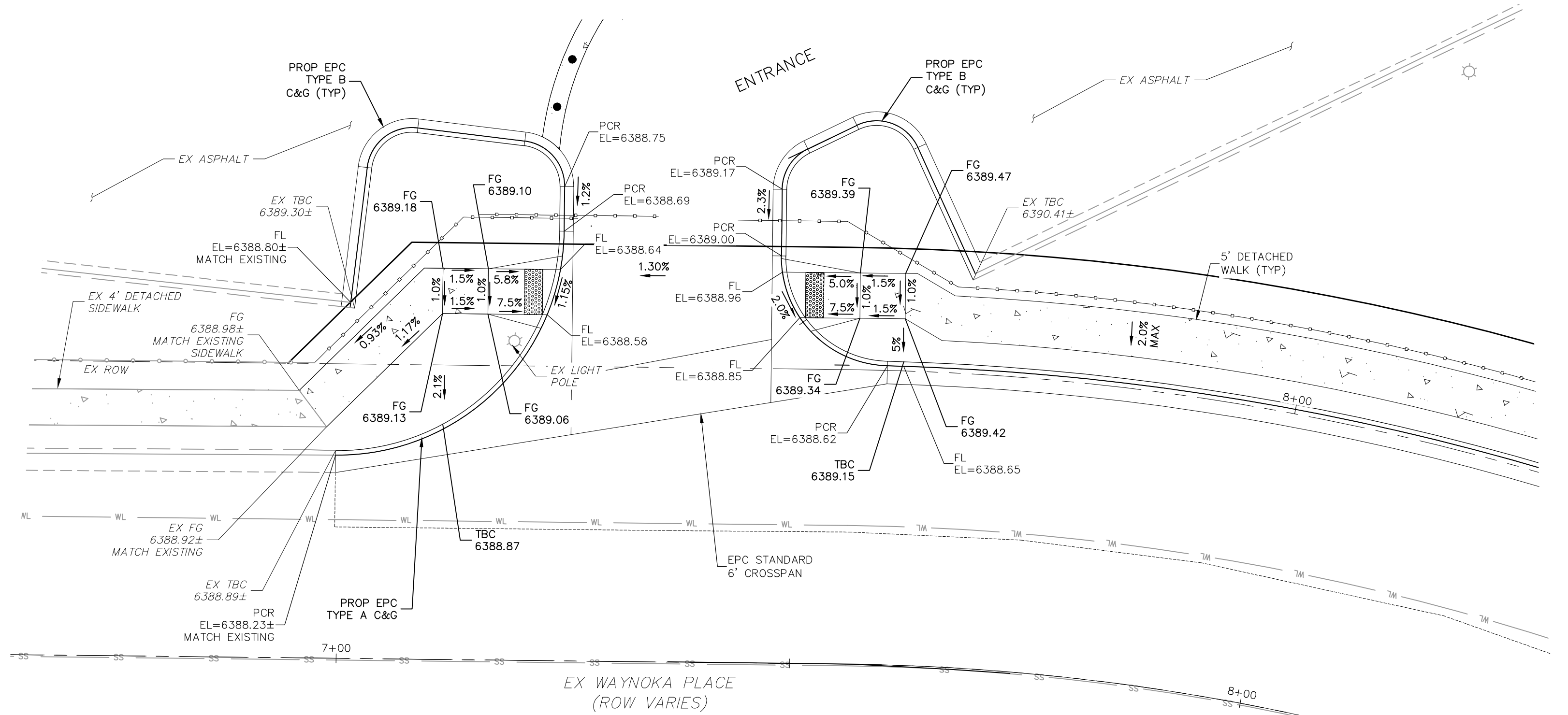
REVISIONS: NO. DATE: BY: DESCRIPTION:

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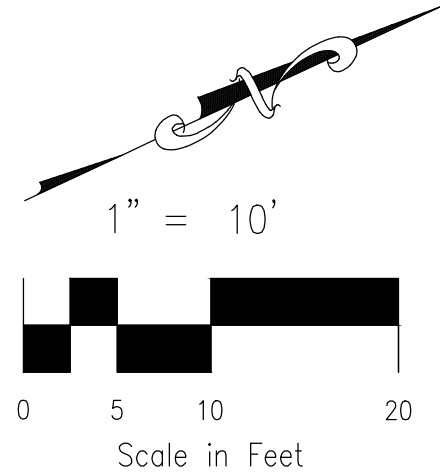
CAUTION



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WAYNOKA PLACE NORTH ENTRANCE



ABBREVIATION LEGEND

CL CENTERLINE
LT LEFT
RT RIGHT
C&G CURB AND GUTTER
EL ELEVATION
W WEST
CONST CONSTRUCTION
N NORTH
WTR WATER
S SOUTH
STM STORM SEWER
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CDS CUL DE SAC
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LEGEND

SS EXISTING SAN SEWER
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EXISTING STORM SEWER
EXISTING 6' CHAINLINK FENCE
EXISTING FIRE HYDRANT
ST EXISTING STORM MH
EXISTING SAN MH
EXISTING LIGHT POLE
EXISTING SIGN
EXISTING TREE

JICS - WAYNOKA

WAYNOKA PL. PEDESTRIAN RAMP DETAIL

DATE: 05/10/2023

SCALE: HORIZONTAL: 1"=10'

DESIGNED BY: GW

DRAWN BY: CLP

CHECKED BY: VAS

S108

SHEET 8 OF 9

212 N WAHATCH AVE, STE 305
COLORADO SPRINGS, CO 80903
PHONE 719.555.9465



MIRGIL A. SANCHEZ, COLORADO P.E. NO. 37160

FOR AND ON
BEHALF OF
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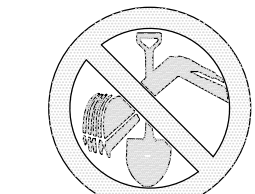
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Computer File Information		Sheet Revisions		Colorado Department of Transportation		BARRICADES, DRUMS, CONCRETE BARRIERS (TEMP) & VERTICAL PANELS		STANDARD PLAN NO. S-630-2	
Creation Date: 07/24/12	Author: JSM	Revised:	Comments:	2020 W. Howard Road Denver, Colorado 80204 Phone: 303-757-6543 FAX: 303-757-9229		Issued By: Safety & Traffic Engineering Branch July 4, 2012		Sheet No. 1 of 1	
Last Modification Date: 06/03/16	Revised: JSM	06/03/16	REVISED SIGN NOTATION						
Full Path: \\c:\data\000224-Waynoka Rd\Elder Const\DWG\Const\Waynoka\3109.dwg									
Company File Name: 3109-2.dwg									
CAD File Modification V8: Scale: Note to Scale: Units: English									

BARRICADE DESIGNATIONS		RAIL STRIPING DETAIL		TYPICAL VERTICAL PANEL		TYPICAL DRUM	
RAIL WIDTH: 8" MIN-12" MAX.		FOR RAILS LESS THAN 2" LONG, 4" WIDE STRIPES SHALL BE USED.		1. IF SPECIAL PANELS 3' OR GREATER IN HEIGHT ARE REQUIRED, THEN 8" STRIPES SHALL BE USED.		1. THE 10" MINIMUM DIMENSION SHALL APPLY TO THE SMALLEST MEASUREMENT OF DRUMS, RECTANGULAR OR FLATTENED SIDE DRUMS.	
RAIL LENGTH: AS REQUIRED, SEE RAIL LENGTH TABLE				2. IF FIXED PLACEMENT IS REQUIRED, MOUNT ON DELTA PLANT POST, SEE COLORADO STANDARD PLAN S-602-1.		2. DRUMS SHALL BE AT LEAST TWO (2) INCHES AND TWO WHITE STRIPES SHALL BE USED.	
HEIGHT: 5' MIN.							
USE: TEMPORARY OR PERMANENT							
STRIPES: SEE DETAIL OF BARRICADE STRIPING AND APPROPRIATE GENERAL NOTES.							

RAIL LENGTH TABLE		TYPICAL TYPE 3 BARRICADES	
TYPE 3 BARRICADE	LENGTH	TYPE 3 BARRICADE	LENGTH
F - A	M - A	8' - 14'	
F - B	M - B	15' - 24'	
F - C	M - C	25' - 30'	
F - D	M - D	> 30'	

GENERAL NOTES	
1. THE VARIOUS TYPES, CONSTRUCTION AND APPLICATIONS OF SIGNS AND WARNING LIGHTS FOR BARRICADES REQUIRED FOR CONSTRUCTION SHALL BE AS SPECIFIED IN THE PLANS.	5. FOR ALL WOOD BARRICADE COMPONENTS MINIMUM DIMENSIONS ARE AS FOLLOWS:
2. TEMPORARY AND PERMANENT BARRICADES TYPE 3 SHALL BE FABRICATED FROM APPROVED GRADE 50 STEEL MATERIALS, SEE SECTION 104 AND 603 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION FOR ADDITIONAL REQUIREMENTS.	6. ALL SKEW BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED OR CORROSION PROTECTED.
3. ALL PAINTING SHALL CONFORM WITH THE FOLLOWING:	7. STABILITY OF BARRICADES AND CHANNELIZING DEVICES SHALL CONFORM WITH THE FOLLOWING:
A. THE APPLICABLE SECTION OF SSP OF THE COLORADO SPECIFICATIONS.	A. SKEW DRIVES OF WOOD BARRICADES SHALL BE WEATHERED WITH CARBOLITE ONLY WHERE NECESSARY TO PROVIDE STABILITY.
B. ALL SKEW DRIVES AND POSTS SHALL BE PAINTED WHITE ON TOP AND TRUNK BURN LIGHTS WHEN THEY ARE USED IN A SERIES FOR CHANNELIZING TRAFFIC SHALL BE PAINTED WITH "REVERSE" WHITE PAINT.	B. NO MOVABLE OR PORTABLE DEVICES SHALL BE WEATHERED BY ANY MEANS OR WITH ANY MATERIAL THAT WOULD MAKE THEM HAZARDOUS TO MOTORISTS.
C. THE BARRICADES OF RAILS AND VERTICAL PANEL CHANNELIZING DEVICES SHALL HAVE ORANGE AND WHITE STRIPES ON THE FACE SIDED LANTING CORNERING AT 45° ANGLE TOWARD THE STREET TO WHICH TRAFFIC IS TO PASS OR TURN.	C. CONCRETE BARRIERS AND TREATMENT SHALL BE IN ACCORDANCE WITH CLEAR SIDE CRITERIA AND PLACED AS SHOWN ON THE PLANS.
D. PERMANENT BARRICADES SHALL HAVE RETROREFLECTIVE RED AND WHITE STRIPES THEY MAY BE USED AT LOCATIONS TO MARK THE END OF A ROAD STREET OR HIGHWAY THAT ENDS AT A TYPICAL INTERSECTION, OR WHERE THERE IS NO CROSSING OR JUNCTION.	D. CONCRETE BARRIERS SHALL CONFORM WITH: A. PRECAST CONCRETE BARRIERS AS SHOWN ON COLORADO STANDARD PLAN S-604-14.
E. ALL RETROREFLECTIVE SHEETING SHALL CONFORM TO ASTM D4956.	B. BARRIER DETAILINGS SHALL BE INSTALLED THAT MEET THE REQUIREMENTS OF STANDARD TYPICAL DETAILING FOR INSTALLATIONS EXCEPT THE MAXIMUM SPACING SHALL BE 50' AND THEY WILL NOT BE PAID FOR BUT ARE INCLUDED IN THE COST OF THE BARRIER.
1. ORANGE AND WHITE SHALL BE TYPE III OR IV.	C. CONCRETE BARRIERS AND TREATMENT SHALL BE IN ACCORDANCE WITH CLEAR SIDE CRITERIA AND PLACED AS SHOWN ON THE PLANS.
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Creation Date: 07/24/12	Author: JSM	Revised:	Comments:	2020 W. Howard Road Denver, Colorado 80204 Phone: 303-757-6543 FAX: 303-757-9229		Issued By: Safety & Traffic Engineering Branch July 4, 2012		Sheet No. 1 of 1	
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Full Path: \\c:\data\000224-Waynoka Rd\Elder Const\DWG\Const\Waynoka\3109.dwg									
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BARRICADE DESIGNATIONS		RAIL STRIPING DETAIL		TYPICAL VERTICAL PANEL		TYPICAL DRUM	
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RAIL LENGTH: AS REQUIRED, SEE RAIL LENGTH TABLE				2. IF FIXED PLACEMENT IS REQUIRED, MOUNT ON DELTA PLANT POST, SEE COLORADO STANDARD PLAN S-602-1.		2. DRUMS SHALL BE AT LEAST TWO (2) INCHES AND TWO WHITE STRIPES SHALL BE USED.	
HEIGHT: 5' MIN.							
USE: TEMPORARY OR PERMANENT							
STRIPES: SEE DETAIL OF BARRICADE STRIPING AND APPROPRIATE GENERAL NOTES.							

RAIL LENGTH TABLE		TYPICAL TYPE 3 BARRICADES	
TYPE 3 BARRICADE	LENGTH	TYPE 3 BARRICADE	LENGTH
F - A	M - A	8' - 14'	
F - B	M - B	15' - 24'	
F - C	M - C	25' - 30'	
F - D	M - D	> 30'	

GENERAL NOTES	
1. THE VARIOUS TYPES, CONSTRUCTION AND APPLICATIONS OF SIGNS AND WARNING LIGHTS FOR BARRICADES REQUIRED FOR CONSTRUCTION SHALL BE AS SPECIFIED IN THE PLANS.	5. FOR ALL WOOD BARRICADE COMPONENTS MINIMUM DIMENSIONS ARE AS FOLLOWS:
2. TEMPORARY AND PERMANENT BARRICADES TYPE 3 SHALL BE FABRICATED FROM APPROVED GRADE 50 STEEL MATERIALS, SEE SECTION 104 AND 603 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION FOR ADDITIONAL REQUIREMENTS.	6. ALL SKEW BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED OR CORROSION PROTECTED.
3. ALL PAINTING SHALL CONFORM WITH THE FOLLOWING:	7. STABILITY OF BARRICADES AND CHANNELIZING DEVICES SHALL CONFORM WITH THE FOLLOWING:
A. THE APPLICABLE SECTION OF SSP OF THE COLORADO SPECIFICATIONS.	A. SKEW DRIVES OF WOOD BARRICADES SHALL BE WEATHERED WITH CARBOLITE ONLY WHERE NECESSARY TO PROVIDE STABILITY.
B. ALL SKEW DRIVES AND POSTS SHALL BE PAINTED WHITE ON TOP AND TRUNK BURN LIGHTS WHEN THEY ARE USED IN A SERIES FOR CHANNELIZING TRAFFIC SHALL BE PAINTED WITH "REVERSE" WHITE PAINT.	B. NO MOVABLE OR PORTABLE DEVICES SHALL BE WEATHERED BY ANY MEANS OR WITH ANY MATERIAL THAT WOULD MAKE THEM HAZARDOUS TO MOTORISTS.
C. THE BARRICADES OF RAILS AND VERTICAL PANEL CHANNELIZING DEVICES SHALL HAVE ORANGE AND WHITE STRIPES ON THE FACE SIDED LANTING CORNERING AT 45° ANGLE TOWARD THE STREET TO WHICH TRAFFIC IS TO PASS OR TURN.	C. CONCRETE BARRIERS AND TREATMENT SHALL BE IN ACCORDANCE WITH CLEAR SIDE CRITERIA AND PLACED AS SHOWN ON THE PLANS.
D. PERMANENT BARRICADES SHALL HAVE RETROREFLECTIVE RED AND WHITE STRIPES THEY MAY BE USED AT LOCATIONS TO MARK THE END OF A ROAD STREET OR HIGHWAY THAT ENDS AT A TYPICAL INTERSECTION, OR WHERE THERE IS NO CROSSING OR JUNCTION.	D. CONCRETE BARRIERS SHALL CONFORM WITH: A. PRECAST CONCRETE BARRIERS AS SHOWN ON COLORADO STANDARD PLAN S-604-14.
E. ALL RETROREFLECTIVE SHEETING SHALL CONFORM TO ASTM D4956.	B. BARRIER DETAILINGS SHALL BE INSTALLED THAT MEET THE REQUIREMENTS OF STANDARD TYPICAL DETAILING FOR INSTALLATIONS EXCEPT THE MAXIMUM SPACING SHALL BE 50' AND THEY WILL NOT BE PAID FOR BUT ARE INCLUDED IN THE COST OF THE BARRIER.
1. ORANGE AND WHITE SHALL BE TYPE III OR IV.	C. CONCRETE BARRIERS AND TREATMENT SHALL BE IN ACCORDANCE WITH CLEAR SIDE CRITERIA AND PLACED AS SHOWN ON THE PLANS.
2. RED AND WHITE SHALL BE TYPE III OR IV.	D. 100' PANEL MOUNTED ON BARRICADES WILL BE PAID FOR (OPTIONAL).

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Computer File Information		Sheet Revisions		Colorado Department of Transportation		BARRICADES, DRUMS, CONCRETE BARRIERS (TEMP) & VERTICAL PANELS		STANDARD PLAN NO. S-630-2	
Creation Date: 07/24/12	Author: JSM	Revised:	Comments:	2020 W. Howard Road Denver, Colorado 80204 Phone: 303-757-6543 FAX: 303-757-9229		Issued By: Safety & Traffic Engineering Branch July 4, 2012		Sheet No. 1 of 1	
Last Modification Date: 06/03/16	Revised: JSM	06/03/16	REVISED SIGN NOTATION						
Full Path: \\c:\data\000224-Waynoka Rd\Elder Const\DWG\Const\Waynoka\3109.dwg									
Company File Name: 3109-2.dwg									
CAD File Modification V8: Scale: Note to Scale: Units: English									

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Creation Date: 07/24/12	Author: JSM	Revised:	Comments:	2020 W. Howard Road Denver, Colorado 80204 Phone: 303-757-6543 FAX: 303-757-9229		Issued By: Safety & Traffic Engineering Branch July 4, 2012		Sheet No. 1 of 1	
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