

RIDGEGATE EAST FILING NO. 4 STREET AND STORM SEWER PLANS

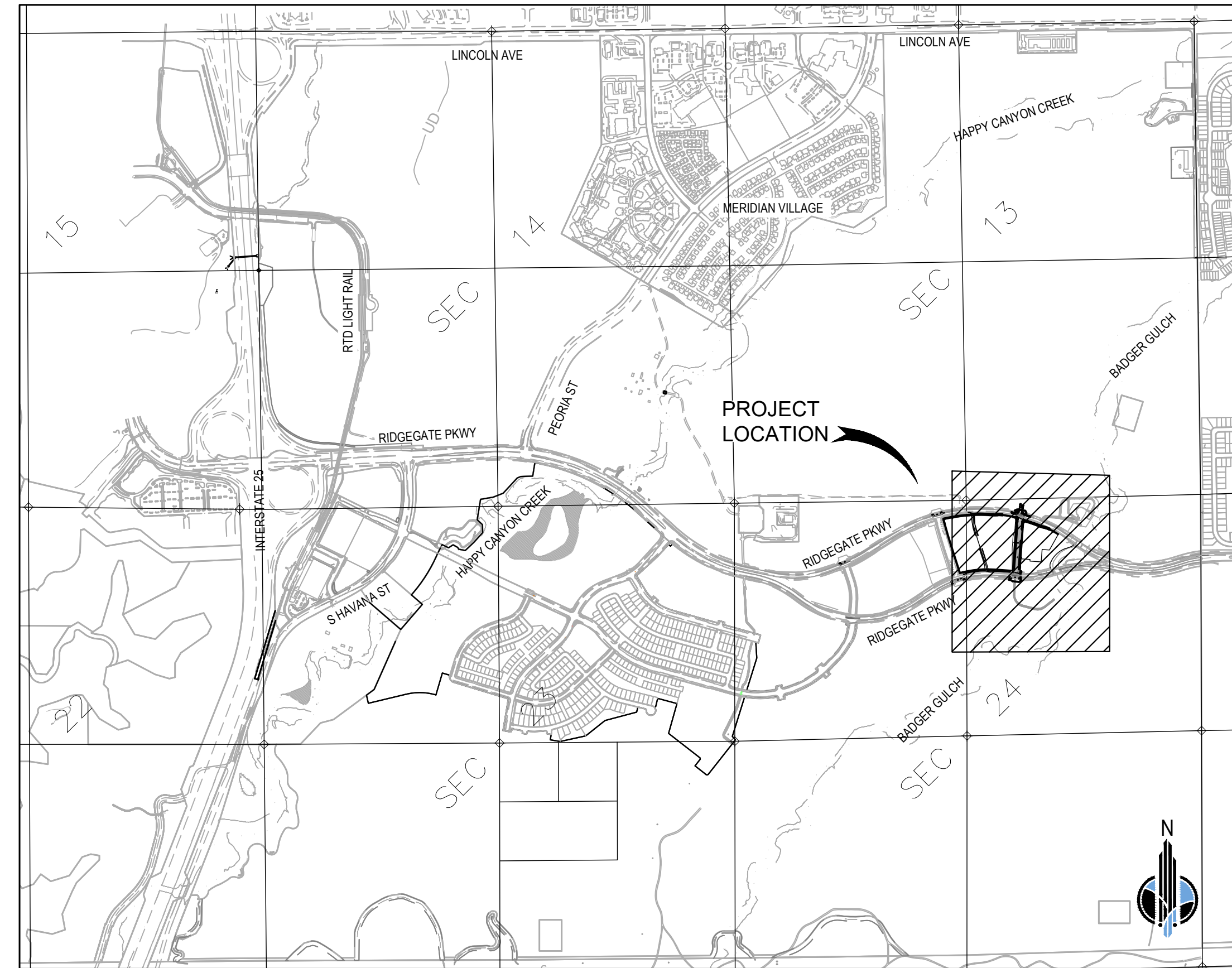
SECTION 24, TOWNSHIP 6 SOUTH, RANGE 67 WEST, 6TH P.M.,
CITY OF LONE TREE, DOUGLAS COUNTY

ABBREVIATION LEGEND

AB	AS-BUILT
BFE	BASE FLOOD ELEVATION
BFV	BUTTERFLY VALVE
BMP	BEST MANAGEMENT PRACTICE
BOP	BOTTOM OF PIPE
BOW	FINISHED GRADE AT BOTTOM OF WALL
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
C&G	CURB & GUTTER
CL	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONT	CONTINUOUS
CR	CURB RETURN
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DTL	DETAIL
E	EASTING, EAST
EA	EACH
ECC	ECCENTRIC
ELEV	ELEVATION
EOA	EDGE OF ASPHALT
EOW	EDGE OF WALK
ESMT	EASEMENT
EURV	EXCESS URBAN RUNOFF VOLUME
EVCE	END VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
EX	EXISTING
FH	FIRE HYDRANT
FES	FLARED END SECTION
FG	FINISHED GRADE
FL	FLOWLINE
FO	FIBER OPTIC
FT	FEET
FLG	FLANGE
GB	GRADE BREAK
GESC	GRADING, EROSION, AND SEDIMENT CONTROL
GPM	GALLONS PER MINUTE
GV	GATE VALVE
HDPE	HIGH DENSITY POLYETHYLENE
HGL	HYDRAULIC GRADE LINE
HOA	HOME OWNERS ASSOCIATION
HP	HIGH POINT
IN	INCH
INV	INVERT
K	RATE OF CURVATURE
KB	KICK BLOCK
L.F.	LINEAR FEET
LP	LOW POINT
LT	LEFT
LVC	LENGTH OF VERTICAL CURVE
MAX	MAXIMUM
MFR	MANUFACTURER
MHFD	MILE HIGH FLOOD DISTRICT
MIN	MINIMUM
MH	MANHOLE
MJ	MECHANICAL JOINT
NAVD	NORTH AMERICAN VERTICAL DATUM
N	NORTHING, NORTH
n	MANNING'S ROUGHNESS COEFFICIENT
NTS	NOT TO SCALE
O.C.	ON CENTER
OHE	OVERHEAD ELECTRIC LINE(S)
P&P	PLAN & PROFILE
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PCR	POINT OF CURB RETURN
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVE
PSCO	PUBLIC SERVICE COMPANY OF COLORADO (XCEL)
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVE, POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENT
PWSD	PARKER WATER AND SANITATION DISTRICT
Q80	DISCHARGE AT 80% CAPACITY
R	RADIUS
RT	RIGHT
REC	RECEPTION
ROP	REINFORCED CONCRETE PIPE
RGI	RIDGEGATE INVESTMENTS INC.
RRMD	RAMPART RANGE METROPOLITAN DISTRICT
RT	RIGHT
S	SOUTH
SDMH	STORM DRAIN MANHOLE
SS	SANITARY SEWER
STA	STATION
STM	STORM
SY	SQUARE YARD
TBC	TOP BACK OF CURB
TBR	TO BE REMOVED
TOC	TOP OF CONCRETE
TOW	TOP OF PIPE
TYP	FINISHED GRADE AT TOP OF WALL
VERT	TYPICAL
VC	VERTICAL CURVE
VTC	VEHICLE TRACKING CONTROL
W	WEST
W/	WITH
WSEL	WATER SURFACE ELEVATION
XING	CROSSING

LEGEND

---	EXISTING 1' INTERVAL CONTOUR
---	EXISTING 5' INTERVAL CONTOUR
---	100-YEAR FLOODPLAIN
---	EXISTING RIGHT-OF-WAY
---	EXISTING CURB & GUTTER
---	EXISTING EDGE OF PAVEMENT
---	EXISTING EASEMENT
---	EXISTING FENCE
---	EXISTING WATER MAIN, FIRE HYDRANT & GATE VALVE
---	EXISTING WATER METER, BUTTERFLY VALVE, REDUCER & BLOWOFF VALVE
---	EXISTING WATER WELL & AIR RELEASE VALVE
---	EXISTING WATER BENDS/FITTINGS
---	EXISTING IRRIGATION
---	EXISTING IRRIGATION BOX
---	EXISTING SANITARY SEWER & MANHOLE
---	EXISTING STORM SEWER, INLET, MANHOLE, FLARED END SECTION & RIPRAP
---	EXISTING OVERHEAD ELECTRIC LINE(S) & POLE
---	EXISTING UNDERGROUND ELECTRIC LINE
---	EXISTING ELECTRIC BOX, ELECTRIC METER, TRANSFORMER & SWITCH CABINET
---	EXISTING GAS LINE
---	EXISTING GAS LINE
---	EXISTING TELEPHONE PEDESTAL & MANHOLE
---	EXISTING FIBER OPTIC
---	EXISTING TRENCHDRAIN
---	EXISTING ELECTRIC, GAS & TELEPHONE MARKER POST
---	EXISTING ROADWAY SIGN, STREET LIGHT & TRAFFIC LIGHT
---	EXISTING TRAFFIC CONTROL BOX
---	EXISTING DRY UTILITY VAULT
---	PROPOSED 1' INTERVAL CONTOUR
---	PROPOSED 5' INTERVAL CONTOUR
---	PROPOSED SANITARY SEWER
---	PROPOSED STORM SEWER, INLET, MANHOLE & FLARED END SECTION
---	PROPOSED UNDERGROUND ELECTRIC LINE
---	PROPOSED ELECTRIC BOX, ELECTRIC METER, TRANSFORMER & SWITCH CABINET
---	PROPOSED GAS LINE
---	PROPOSED TELEPHONE PEDESTAL & MANHOLE
---	PROPOSED FIBER OPTIC
---	PROPOSED TRENCHDRAIN
---	PROPOSED ROADWAY SIGN, STREET LIGHT & TRAFFIC LIGHT
---	PROPOSED TRAFFIC CONTROL BOX
---	PROPOSED DRY UTILITY VAULT
---	TEST HOLE LOCATION
---	WETLANDS AREA
---	SIGHT TRIANGLE
---	BOTTOM OF SWALE



VICINITY MAP
1" = 1,200'

AGENCY LIST

PROPERTY OWNER

RIDGEGATE INVESTMENTS, INC.
70 E 55TH ST, 11TH FLOOR
NEW YORK, NY 10022
PH: (212) 752-6164
ATTN: BOB ASSELBERGS

DEVELOPER

COVENTRY DEVELOPMENT CORPORATION
9878 SCHWAB WAY, SUITE 415
LONE TREE, CO 80124
PH: (720) 279-2581
ATTN: JOHN CONNELLY, PE

CITY ENGINEER

CITY OF LONE TREE
PUBLIC WORKS DEPARTMENT
9220 KIMMER DR, SUITE 100
LONE TREE, CO 80124
PH: (720) 509-1240
ATTN: JACOB JAMES, PE

METRO DISTRICT

RAMPART RANGE METROPOLITAN DISTRICT NO. 5
8390 E CRESCENT PARKWAY, SUITE 300
GREENWOOD VILLAGE, CO 80111
PH: (303) 779-4525
ATTN: DENISE DENSLAW

CIVIL ENGINEER

MERRICK & COMPANY
5970 GREENWOOD PLAZA BLVD
GREENWOOD VILLAGE, CO 80111
PH: (303) 751-0741
ATTN: CARSON BESGROVE, PE

FIRE

SOUTH METRO FIRE RESCUE
9195 E MINERAL AVENUE
CENTENNIAL, CO 80112
PH: (720) 989-2249
ATTN: SCOTT STENE

COUNTY

DOUGLAS COUNTY
100 THIRD ST
CASTLE ROCK, CO 80104
PH: (303) 660-7490
ATTN: MATT WILLIAMS, PE

UTILITIES

AT&T
619 W BANNOCK ST, ROOM 342
BOISE, ID 83702
PH: (208) 841-5093
ATTN: JT ANDREWS

CENTURYLINK
7759 S. WHEELING CT.
ENGLEWOOD, CO 80112
PH: (720) 578-5291
ATTN: TRAVIS YOUNG

PARKER WATER & SANITATION DISTRICT
18100 WOODMAN DR
PARKER, CO 80134
PH: (303) 841-2058
ATTN: JAROD BAYLIE

VERIZON
10000 PARK MEADOWS DR
LONE TREE, CO 80124
PH: (303) 390-2466
ATTN: LANE GRADY

XCEL ENERGY
1800 LARIMER ST
DENVER, CO 80202
PH: (303) 628-2708
ATTN: TONY PIETRAS

BENCHMARK

PROJECT BENCHMARK IS RIDGEGATE BM 1, A 3.25" DIAMETER BRASS CAP SET ON THE NORTHWEST BRIDGE ABUTMENT OF RIDGEGATE PARKWAY STAMPED "RIDGEGATE BM 1 2021" AND IS APPROXIMATELY 0.7 MILES EAST ON RIDGEGATE PARKWAY FROM THE INTERSECTION OF I-25 AND RIDGEGATE PARKWAY IN LONE TREE, COLORADO. THE BENCHMARK IS 1 FOOT FROM THE WEST EDGE OF THE ABUTMENT, 3 FEET NORTH OF THE BACK OF WALK, AND 31 FEET NORTH OF THE WEST BOUND CENTERLINE OF RIDGEGATE PARKWAY. ELEVATION IS 5983.40 U.S. SURVEY FEET, NAVD 88 DOUGLAS COUNTY DATUM.

PROJECT COORDINATES ARE MODIFIED COLORADO STATE PLANE CENTRAL ZONE COORDINATES. THE COMBINED FACTOR USED TO MODIFY COORDINATES WAS 1.00032591873.

Sheet Number	Sheet Title
1	COVER SHEET
2	GENERAL NOTES
3	DETAIL SHEET
4	TYPICAL SECTIONS
5	DEMO PLAN
6	OVERALL UTILITY PLAN
7	OVERALL GRADING PLAN
8	CROSSFIELD ST PLAN & PROFILE
9	CROSSFIELD ST-RIDGEGATE EASTBOUND TURN LANES
10	CROSSFIELD ST-RIDGEGATE WESTBOUND TURN LANES
11	RIDGEGATE PKWY & LOT 1 & 2 PRIVATE ROAD INTERSECTION DETAILS
12	RIDGEGATE PKWY (EASTBOUND) & CROSSFIELD ST INTERSECTION DETAIL
13	RIDGEGATE PKWY (WESTBOUND) & CROSSFIELD ST INTERSECTION DETAIL
14	RIDGEGATE PKWY (WESTBOUND) & CROSSFIELD ST INTERSECTION DETAIL
15	CROSSFIELD ST DRIVEWAY INTERSECTION DETAILS
16	SIGNAGE & STRIPING PLAN
17	STORM PLAN & PROFILE
18	STORM 2 PLAN AND PROFILE
19	CROSSFIELD ST STORM
20	CROSSFIELD ST STORM X1 - X4
21	DOUGLAS COUNTY DETAIL 1
22	DOUGLAS COUNTY DETAIL 2
23	DOUGLAS COUNTY DETAIL 3
24	DOUGLAS COUNTY DETAIL 4
25	DOUGLAS COUNTY DETAIL 5
26	CITY OF LONE TREE DETAIL 1

27	CITY OF LONE TREE DETAIL 2
28	CITY OF DENVER DETAIL 1
29	CITY OF DENVER DETAIL 2
30	LIGHTING COVER SHEET
31	LIGHTING PLANS
32	LIGHTING PLANS
33	LIGHTING PLANS
34	LIGHTING PLANS
35	PHOTOMETRIC PLANS
36	PHOTOMETRIC PLANS
37	PHOTOMETRIC PLANS
38	PHOTOMETRIC PLANS
39	TRAFFIC SIGNAL GENERAL NOTES
40	TABULATION OF TRAFFIC SIGNAL ITEMS
41	TABULATION OF TRAFFIC SIGNAL ITEMS
42	TABULATION OF TRAFFIC SIGNAL ITEMS
43	INTERIM TRAFFIC SIGNAL PLANS
44	INTERIM TRAFFIC SIGNAL PLANS
45	INTERIM TRAFFIC SIGNAL PLANS
46	INTERIM TRAFFIC SIGNAL PLANS
47	FINAL TRAFFIC SIGNAL PLANS
48	FINAL TRAFFIC SIGNAL PLANS

ROADWAY DESIGN DATA		
ROADWAY NAME	RIDGEGATE PKWY	CROSSFIELD ST
ROADWAY CLASSIFICATION	COUPLLET	RESIDENTIAL COLLECTOR
DESIGN SPEED (MPH)	45	35
POSTED SPEED LIMIT (MPH)	35-45	30
DESIGN VEHICLE	SU-40	SU-40
TRAFFIC VOLUME (ADT)		
MINIMUM CENTERLINE CURVE RADIUS (FT)	1100	510
MAXIMUM GRADE	6%	6%
MINIMUM GRADE	1%	1%
MIN. K-VALUE CREST VERT. CURVE	61	29
MIN. K-VALUE SAG VERT. CURVE	79	49

City of Lone Tree

These construction plans have been reviewed by the City of Lone Tree for street and drainage improvements only.

Engineering Division Acceptance Block



RIDGEGATE EAST FILING NO. 4
STREET AND STORM SEWER
PLANS
COVER SHEET

JOB NO.: 65121240
DATE: 09/29/2023
SHEET: 1 OF 48

File Location: D:\DEN\Projects\5097-702-RRWD_Overall_East\1240-Couplet_Roadway_Design\Design\Civil\Filing\Roadway_Design\Cover-F4.dwg Plot Date: 10/04/2023 9:47 AM Last Saved By: NBROWN

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DOUGLAS COUNTY ROADWAY DESIGN AND CONSTRUCTION STANDARDS

DETAIL NUMBER	DRAWING NAME
<input type="checkbox"/> SP.1	CUL-DE-SAC & URBAN LOCAL TYPE I
<input type="checkbox"/> SP.2	URBAN LOCAL TYPE II
<input type="checkbox"/> SP.3	ENTRY STREET, SCHOOL ACCESS & COMMERCIAL AND INDUSTRIAL
<input checked="" type="checkbox"/> SP.3a	ENTRY STREET WITH MEDIAN
<input type="checkbox"/> SP.4	URBAN COLLECTOR
<input type="checkbox"/> SP.5	MINOR ARTERIAL
<input type="checkbox"/> SP.6	MAJOR ARTERIAL - 4 LANE
<input type="checkbox"/> SP.7	MAJOR ARTERIAL - 6 LANE
<input type="checkbox"/> SP.8	RURAL LOCAL ROAD TYPE I (GRAVEL SHOULDERS)
<input type="checkbox"/> SP.9	RURAL LOCAL ROAD TYPE II (MOUNTABLE CURB AND GUTTER)
<input type="checkbox"/> SP.10	RURAL LOCAL ROAD TYPE III
<input type="checkbox"/> SP.11	RURAL LOCAL ROAD TYPE IV
<input type="checkbox"/> SP.12	RURAL COLLECTOR (NO PRIVATE DRIVE ACCESS)
<input type="checkbox"/> SP.13	RURAL ARTERIAL - 2 LANE (NO PRIVATE DRIVE ACCESS)
<input type="checkbox"/> SP.14	RURAL ARTERIAL - 4 LANE (NO PRIVATE DRIVE ACCESS)
<input type="checkbox"/> SP.15	35-ACRE PRIVATE RURAL ROAD
<input checked="" type="checkbox"/> SP.16	ROADWAY NOTES
<input checked="" type="checkbox"/> SP.17	CURB & GUTTERS AND SIDEWALKS
<input checked="" type="checkbox"/> SP.18a	CURB RAMP & DETECTABLE WARNING AREA NOTES
<input checked="" type="checkbox"/> SP.18b	CURB RAMP WITH PANEL DETECTABLE WARNING AREA INSTALLATION
<input type="checkbox"/> SP.18c, SP.18d	CURB RAMP WITH PAVER DETECTABLE WARNING AREA INSTALLATION
<input type="checkbox"/> SP.19a	DIAGONAL CURB RAMP FOR CURB RETURN RADIUS OF 20' TO 30'
<input type="checkbox"/> SP.19b	PERPENDICULAR CURB RAMP FOR CURB RETURN RADIUS OF 35' TO 50'
<input type="checkbox"/> SP.20	MID-BLOCK CURB RAMP
<input checked="" type="checkbox"/> SP.21	CROSSSPAN
<input checked="" type="checkbox"/> SP.22	CURB OPENING
<input checked="" type="checkbox"/> SP.23a	TRENCH DRAIN
<input type="checkbox"/> SP.23b	TRENCH DRAIN WITH TRAFFIC SIGNAL CONDUIT
<input type="checkbox"/> SP.23c	TRAFFIC SIGNAL CONDUIT
<input checked="" type="checkbox"/> SP.24	TRENCH DRAIN CLEANOUT
<input checked="" type="checkbox"/> SP.25	TRENCH DRAIN 90° CORNER
<input checked="" type="checkbox"/> SP.26	BACK TO BACK TRENCH DRAIN CLEANOUTS
<input type="checkbox"/> SP.27	MEDIAN PLANTER LAYOUT
<input type="checkbox"/> SP.28	MEDIAN PLANTER DETAILS
<input type="checkbox"/> SP.29	MEDIAN COVER MATERIAL
<input type="checkbox"/> SP.30	MEDIAN NOSE DETAIL
<input type="checkbox"/> SP.31	CONCRETE JOINTS
<input type="checkbox"/> SP.32	CONCRETE JOINTS
<input type="checkbox"/> SP.33a, SP.33b, SP.33c, SP.33d	TYPICAL CONCRETE JOINT LAYOUT
<input checked="" type="checkbox"/> SP.34a, SP.34b, SP.34c, SP.34d	CURB INLET - TYPE R (5', 10', OR 15' IN LENGTH)
<input type="checkbox"/> SP.35a, SP.35b, SP.35c	INLET - TYPE C
<input checked="" type="checkbox"/> SP.36a, SP.36b, SP.36c	INLET - TYPE D
<input type="checkbox"/> SP.37a, SP.37b	GRADED INLET TYPE 13
<input type="checkbox"/> SP.38a, SP.38b	COMBINATION INLET TYPE 13/DENVER TYPE 16- SINGLE NO. 16 OPEN THROAT INLET ADJUSTABLE CURB BOX
<input type="checkbox"/> SP.39a, SP.39b	COMBINATION INLET TYPE 13/DENVER TYPE 16- DOUBLE NO. 16 OPEN THROAT INLET ADJUSTABLE CURB BOX
<input type="checkbox"/> SP.40a, SP.40b	COMBINATION INLET TYPE 13/DENVER TYPE 16- TRIPLE NO. 16 OPEN THROAT INLET ADJUSTABLE CURB BOX
<input type="checkbox"/> SP.41a, SP.41b	COMBINATION INLET TYPE 13/DENVER TYPE 16- SINGLE, DOUBLE & TRIPLE NO. 16 INLET VALLEY
<input type="checkbox"/> SP.42a, SP.42b	COMBINATION INLET TYPE 13/DENVER TYPE 16- NO. 16 INLET GRATE & FRAME AND ADJUSTABLE CURB BOX
<input checked="" type="checkbox"/> SP.43a, SP.43b, SP.43c, SP.43d, SP.43e, SP.43f	MANHOLES
<input type="checkbox"/> SP.44a, SP.44b, SP.44c, SP.44d	TYPE "P" MANHOLE
<input checked="" type="checkbox"/> SP.45	MANHOLE AND INLET STEPS
<input checked="" type="checkbox"/> SP.46a, SP.46b	PIPE INSTALLATION IN TRENCH
<input type="checkbox"/> SP.47a, SP.47b	PIPE INSTALLATION IN TRENCH FOR STREET CUT
<input type="checkbox"/> SP.48	ROADSIDE DITCH SECTION
<input type="checkbox"/> SP.49	URBAN ROADSIDE SWALE
<input type="checkbox"/> SP.50a, SP.50b	HEADWALLS FOR PIPE CULVERTS
<input type="checkbox"/> SP.51a, SP.51b, SP.51c	WINGWALLS
<input type="checkbox"/> SP.52a, SP.52b, SP.52c, SP.52d, SP.52e	CONCRETE OR METAL END SECTIONS
<input type="checkbox"/> SP.53a, SP.53b	RESIDENTIAL SIDEWALK CURB CHASE
<input type="checkbox"/> SP.54	RANGE BOX
<input type="checkbox"/> SP.55a, SP.55b	MAILBOX SUPPORT
<input type="checkbox"/> SP.56	EMERGENCY OVERFLOW CHANNEL (IN DRAINAGE TRACT)
<input checked="" type="checkbox"/> SP.57	MANHOLE RING AND COVER ADJUSTMENT
<input type="checkbox"/> SP.58	CURB TRANSITION TO DITCH
<input type="checkbox"/> SP.59	CURB CUT
<input type="checkbox"/> SP.60a, SP.60b	PIPE CONNECTION DETAIL
<input checked="" type="checkbox"/> SP.61	TRENCH DRAIN CONNECTION TO INLET OR MANHOLE
<input checked="" type="checkbox"/> SP.62	ASPHALT STREET CUT/PATCHING

CITY OF LONE TREE STANDARD DETAILS

DETAIL NUMBER	DRAWING NAME
<input type="checkbox"/> N/A	MEDIAN NOSE DETAIL
<input type="checkbox"/> N/A	MEDIAN NOSE SIGNAGE
<input type="checkbox"/> N/A	CURB RETURN DETAIL
<input checked="" type="checkbox"/> N/A	STREET CUT AND PATCH SPECIFICATION
<input type="checkbox"/> ST-02	STREET CUT CONCRETE PAVEMENT
<input type="checkbox"/> ST-01	STREET CUT ASPHALT
<input checked="" type="checkbox"/> SN-01	STREET NAME SIGN DETAILS
<input checked="" type="checkbox"/> SN-02	STREET NAME SIGN DETAILS
<input checked="" type="checkbox"/> SN-03	STREET NAME SIGN DETAILS
<input checked="" type="checkbox"/> MH-1	MANHOLE LID COVER

CITY AND COUNTY OF DENVER TRANSPORTATION STANDARDS AND DETAILS

DETAIL NUMBER	DRAWING NAME
<input checked="" type="checkbox"/> 7.1	CURB RAMP TYPE 1
<input checked="" type="checkbox"/> 7.2a / b	CURB RAMP TYPE 2
<input checked="" type="checkbox"/> 7.3	CURB RAMP TYPE 3
<input checked="" type="checkbox"/> 7.4	CURB RAMP TYPE 4
<input checked="" type="checkbox"/> 7.6a / b	CURB RAMP TRUNCATED DOME PLACEMENT OPTIONS
<input checked="" type="checkbox"/> 7.7	CURB RAMP TYPICAL SECTION
<input checked="" type="checkbox"/> 7.8	TYPICAL SIDEWALK TRANSITIONS TO CURB RAMP LANDING

COLORADO DEPARTMENT OF TRANSPORTATION M PLANS LIST

PLAN NUMBER	M STANDARD TITLE	PAGE NUMBER
<input type="checkbox"/> M-100-1	STANDARD SYMBOLS (3 SHEETS)	1-3
<input type="checkbox"/> M-100-2	ACRONYMS AND ABBREVIATIONS (4 SHEETS)	4-7
<input type="checkbox"/> M-203-1	APPROACH ROADS	8
<input type="checkbox"/> M-203-2	DITCH TYPES	9
<input type="checkbox"/> M-203-11	SUPERELEVATION CROWNED AND DIVIDED HIGHWAYS (3 SHEETS)	10-12
<input type="checkbox"/> M-203-12	SUPERELEVATION STREETS (2 SHEETS)	13-14
<input type="checkbox"/> M-206-1	EXCAVATION AND BACKFILL FOR STRUCTURES (2 SHEETS)	15-16
<input type="checkbox"/> M-206-2	EXCAVATION AND BACKFILL FOR BRIDGES (2 SHEETS)	17-18
<input type="checkbox"/> M-208-1	TEMPORARY EROSION CONTROL (11 SHEETS)	19-30
<input type="checkbox"/> M-210-1	MAILBOX SUPPORTS (2 SHEETS)	31-32
<input type="checkbox"/> M-214-1	PLANTING DETAILS	33
<input type="checkbox"/> M-216-1	SOIL RETENTION COVERING (2 SHEETS)	33
<input type="checkbox"/> M-412-1	CONCRETE PAVEMENT JOINTS (5 SHEETS)	34-38
<input type="checkbox"/> M-510-1	STRUCTURAL PLATE PIPE H-20 LOADING	39
<input type="checkbox"/> M-601-1	SINGLE CONCRETE BOX CULVERT (2 SHEETS)	40-41
<input type="checkbox"/> M-601-2	DOUBLE CONCRETE BOX CULVERT (2 SHEETS)	42-43
<input type="checkbox"/> M-601-3	TRIPLE CONCRETE BOX CULVERT (2 SHEETS)	44-45
<input type="checkbox"/> M-601-10	HEADWALL FOR PIPES	46
<input type="checkbox"/> M-601-11	TYPE "S" SADDLE HEADWALLS FOR PIPE	47
<input type="checkbox"/> M-601-12	HEADWALLS AND PIPE OUTLET PAVING	48
<input type="checkbox"/> M-601-20	WINGWALLS FOR PIPE OR BOX CULVERTS	49
<input type="checkbox"/> M-603-1	METAL PIPE (4 SHEETS)	50-53
<input checked="" type="checkbox"/> M-603-2	REINFORCED CONCRETE PIPE	54
<input type="checkbox"/> M-603-3	PRECAST CONCRETE BOX CULVERT	55
<input type="checkbox"/> M-603-4	CORRUGATED POLYETHYLENE PIPE (AASHTO M294)	56
<input type="checkbox"/> M-603-5	POLYVINYL CHLORIDE (PVC) PIPE (AASHTO M304)	57
<input type="checkbox"/> M-603-6	STEEL REINFORCED POLYETHYLENE RIBBED PIPE (AASHTO MP 20)	58
<input type="checkbox"/> M-603-10	CONCRETE AND METAL END SECTIONS (2 SHEETS)	58-59
<input type="checkbox"/> M-604-10	INLET, TYPE C	60
<input type="checkbox"/> M-604-11	INLET, TYPE D	61
<input type="checkbox"/> M-604-12	CURB INLET TYPE R (2 SHEETS)	62-63
<input type="checkbox"/> M-604-13	CONCRETE INLET TYPE 13	64
<input type="checkbox"/> M-604-20	MANHOLES (3 SHEETS)	65-67
<input type="checkbox"/> M-604-25	VANE GRATE INLET (5 SHEETS)	68-72
<input type="checkbox"/> M-605-1	SUBSURFACE DRAINS	73
<input type="checkbox"/> M-606-1	GUARDRAIL TYPE 3 W-BEAM (20 SHEETS)	74-92
<input type="checkbox"/> M-606-1	MIDWEST GUARDRAIL SYSTEM (MGS) TYPE 3 W-BEAM 31 INCHES (20 SHEETS)	74-92
<input type="checkbox"/> M-606-13	GUARDRAIL TYPE 7 F-SHAPE BARRIER (4 SHEETS)	93-96
<input type="checkbox"/> M-606-14	PRECAST TYPE 7 CONCRETE BARRIER (3 SHEETS)	97-99
<input type="checkbox"/> M-606-15	GUARDRAIL TYPE 9 SINGLE SLOPE BARRIER (11 SHEETS)	97-99
<input type="checkbox"/> M-607-1	WIRE FENCES AND GATES (3 SHEETS)	100-102
<input type="checkbox"/> M-607-2	CHAIN LINK FENCE (3 SHEETS)	103-105
<input type="checkbox"/> M-607-3	BARRIER FENCE	106
<input type="checkbox"/> M-607-4	DEER FENCE, GATES, AND GAME RAMPS (5 SHEETS)	107-109
<input type="checkbox"/> M-607-10	PICKET SNOW FENCE	110
<input type="checkbox"/> M-607-15	ROAD CLOSURE GATE (9 SHEETS)	111-119
<input type="checkbox"/> M-608-1	CURB RAMPS (10 SHEETS)	120-125
<input type="checkbox"/> M-609-1	CURBS, GUTTERS, AND SIDEWALKS (4 SHEETS)	126-129
<input type="checkbox"/> M-611-1	CATTLE GUARD (2 SHEETS)	130-131
<input type="checkbox"/> M-611-2	DEER GUARD (2 SHEETS)	130-131
<input type="checkbox"/> M-613-1	ROADWAY LIGHTING (4 SHEETS)	132-135
<input type="checkbox"/> M-614-1	RUMBLE STRIPS (3 SHEETS)	136-138
<input type="checkbox"/> M-614-2	SAND BARREL ARRAYS (2 SHEETS)	139-140
<input type="checkbox"/> M-615-1	EMBANKMENT PROTECTOR TYPE 3	141
<input type="checkbox"/> M-615-2	EMBANKMENT PROTECTOR TYPE 5	142
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COLORADO DEPARTMENT OF TRANSPORTATION S PLANS LIST

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STANDARD DRAWINGS APPLICABLE TO THIS PROJECT ARE INDICATED BY A MARKED BOX.

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CHECKED BY: CB

APPROVED BY: CB

DATE

REV

REVISION DESCRIPTION

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CHKD

APPR

JOB NO.: 65121240

DATE: 09/29/2023

SHEET: 3 OF 48

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RIDGEGATE EAST FILING NO. 4

STREET AND STORM SEWER

PLANS

DETAIL SHEET

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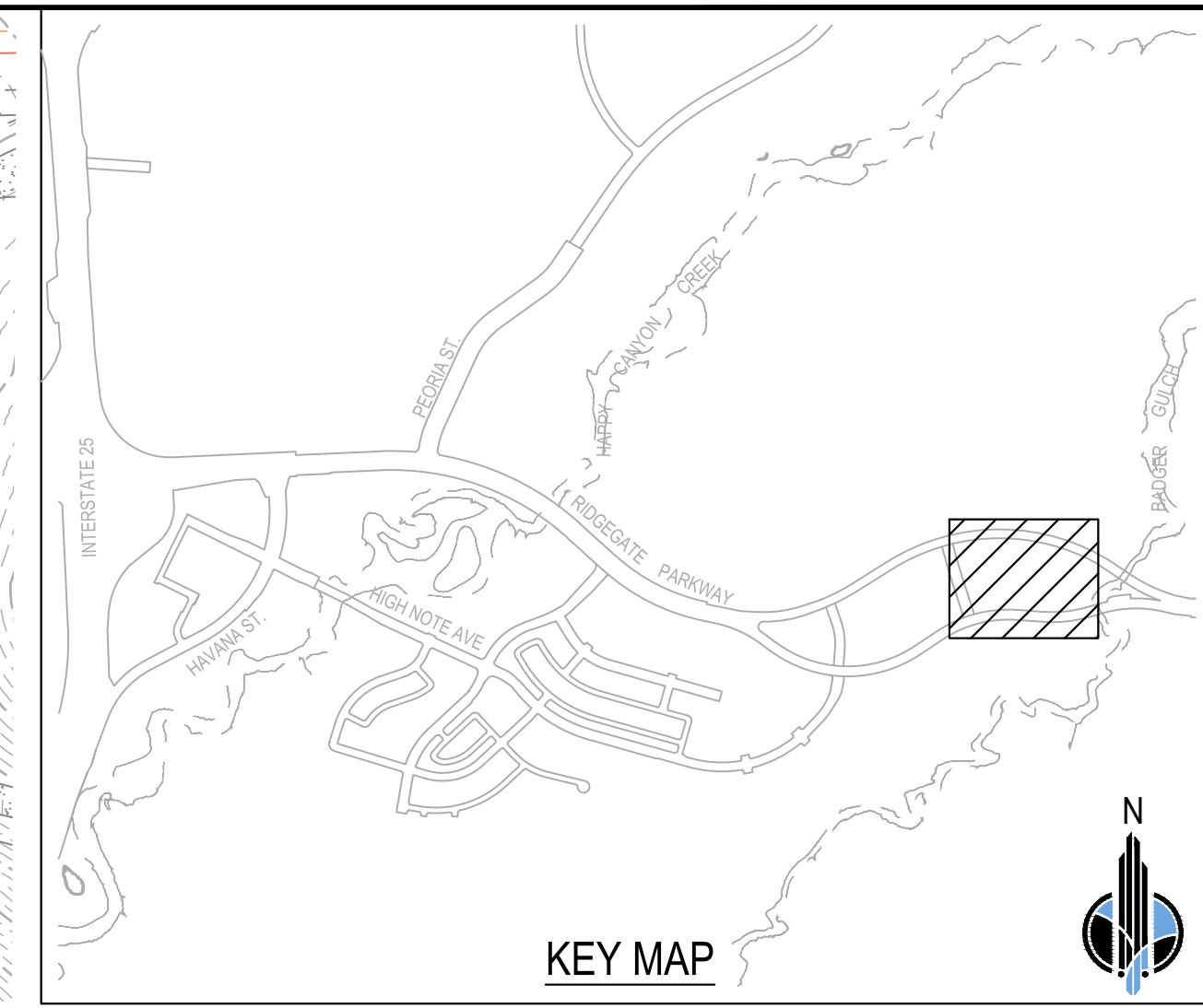
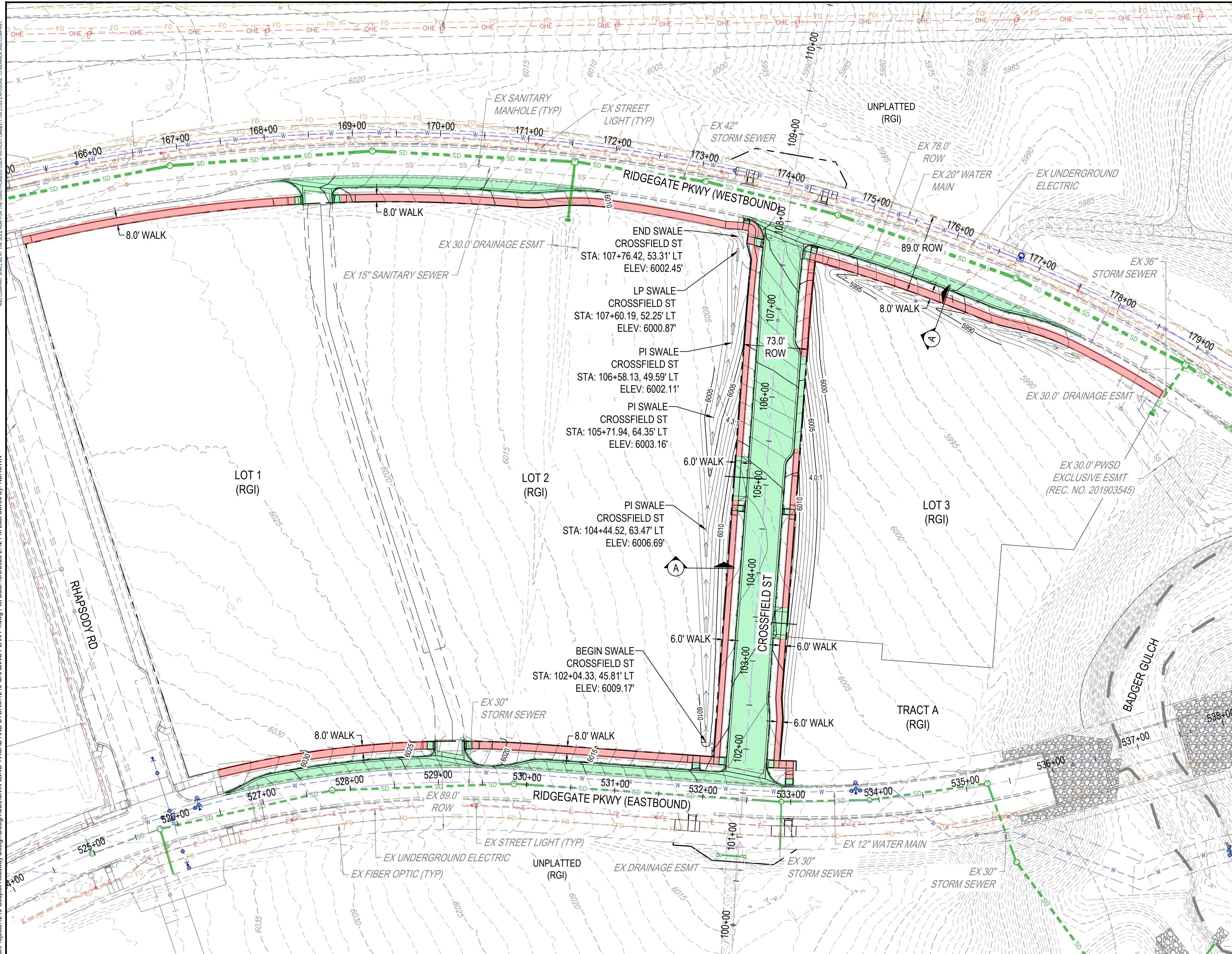
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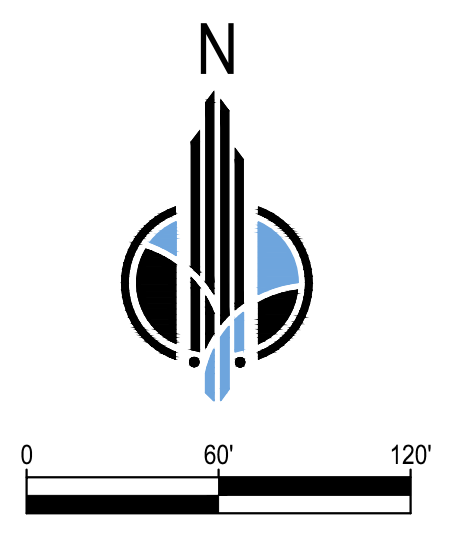
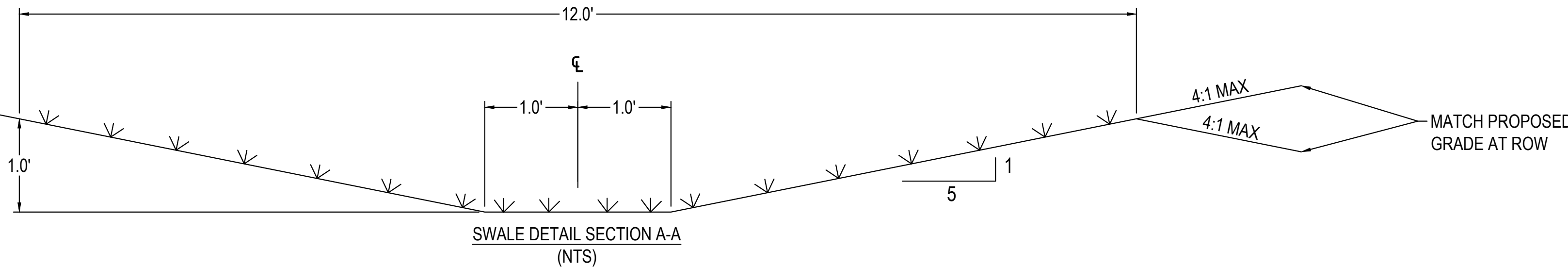
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GRADING NOTES:
1. SPOT ELEVATIONS ARE TO FINISHED GRADE.

SUBGRADE PREPARATION LEGEND	
	AGGREGATE BASE COURSE LIMIT
	OVER-EXCAVATION LIMITS



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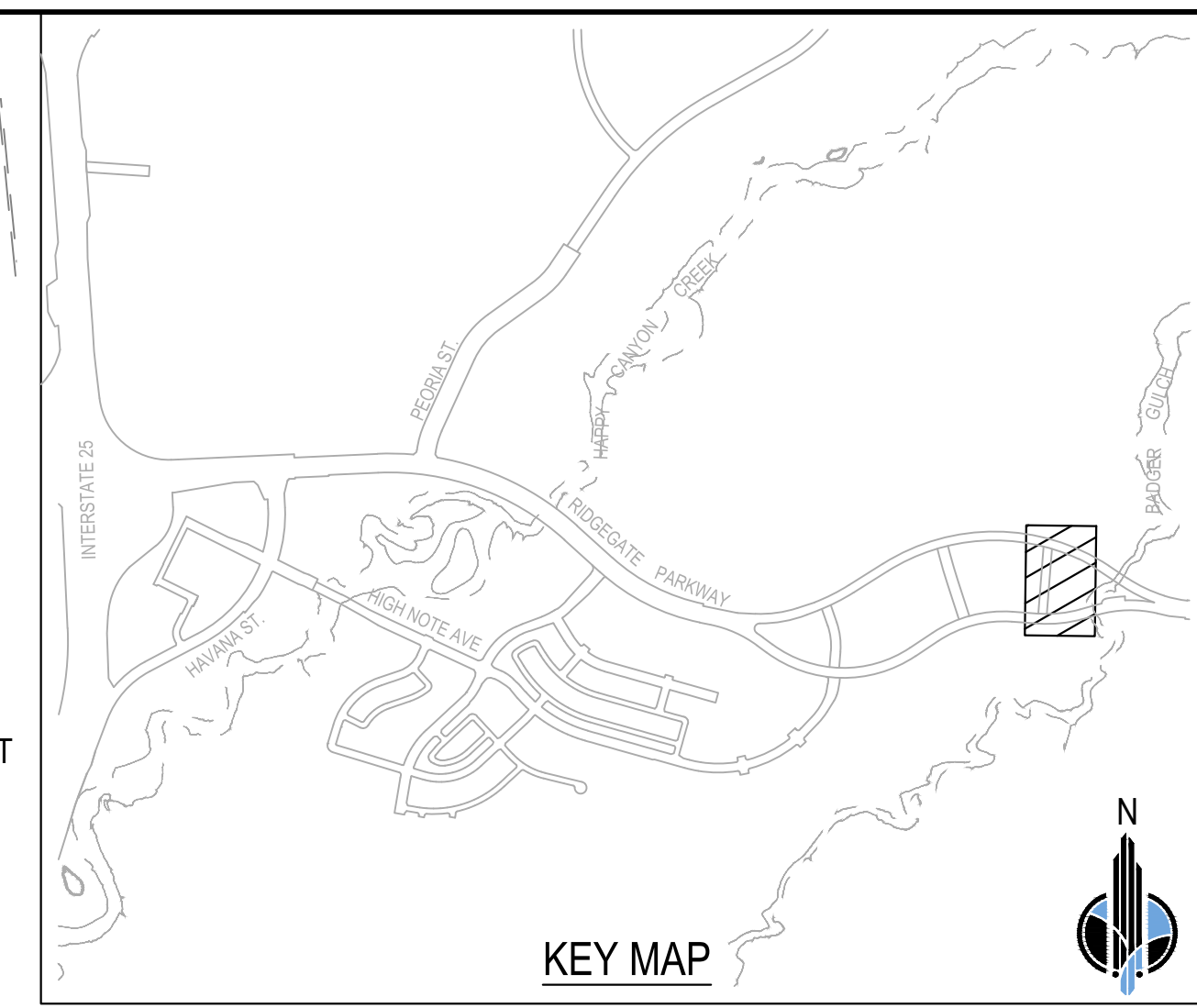
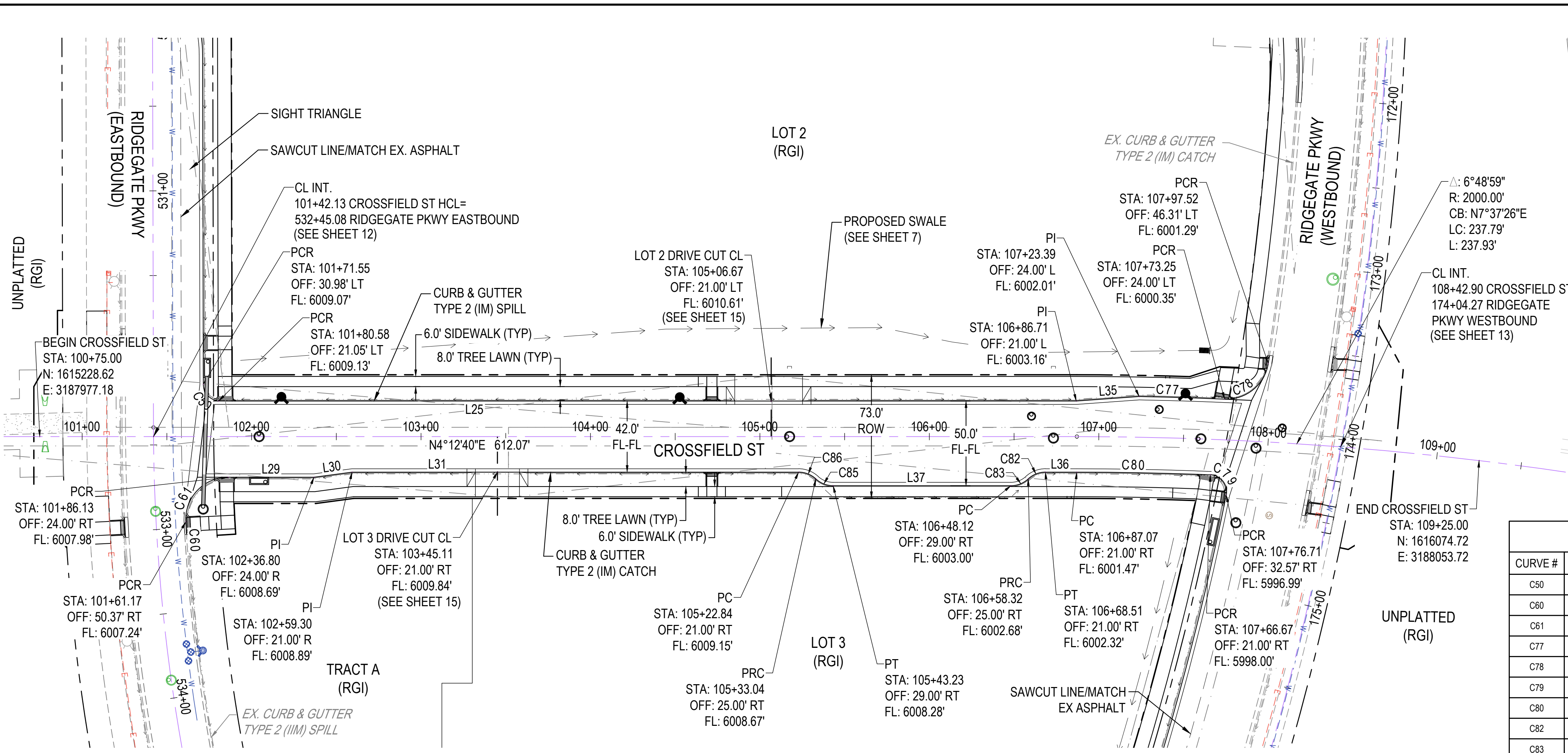
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STREET AND STORM SEWER
PLANS
OVERALL GRADING PLAN

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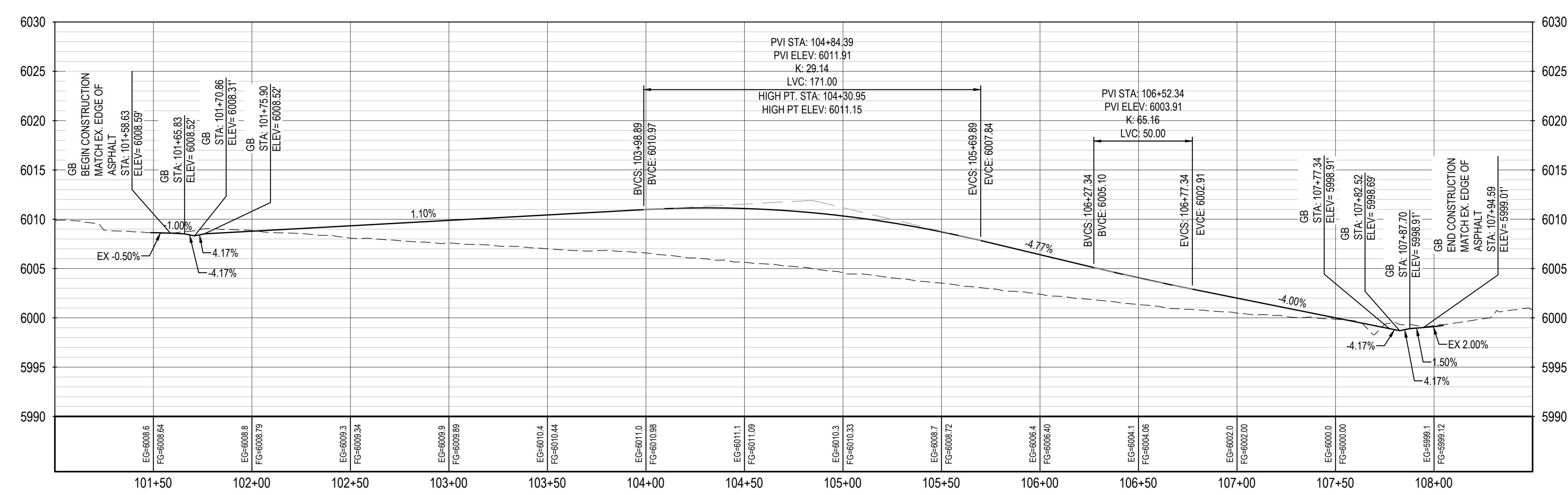
JOB NO.:	65121240
DATE:	10/3/2023
SHEET:	7 OF 48

City of Lone Tree
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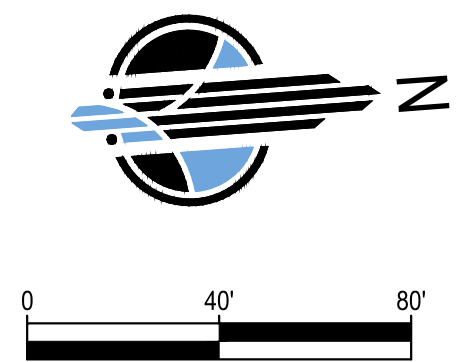
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CURVE TABLE						LINE TABLE		
CURVE #	LENGTH	DELTA	RADIUS	CRD LENGTH	CRD RADIUS	LINE #	BEARING	LENGTH
C50	14.72'	84° 20' 04"	10.00'	13.43	N51° 55' 00"E	L25	N4° 13' 29"E	302.07'
C60	22.00'	0° 59' 51"	1263.40'	22.00	N89° 27' 13"W	L29	N4° 12' 57"E	50.66'
C61	40.65'	93° 11' 53"	24.99'	36.31	N42° 21' 21"W	L30	N3° 22' 44"W	22.70'
C77	50.45'	1° 25' 42"	2024.00'	50.45	N5° 58' 14"E	L31	N4° 12' 57"E	99.99'
C78	36.43'	83° 29' 10"	25.00'	33.29	N35° 03' 30"W	L35	N0° 06' 27"E	37.22'
C79	17.31'	99° 09' 10"	10.00'	15.23	N56° 04' 21"E	L36	N4° 12' 57"E	18.55'
C80	78.77'	2° 16' 50"	1979.00'	78.76	N6° 21' 22"E	L37	N4° 12' 57"E	104.88'
C82	11.21'	42° 50' 00"	15.00'	10.95	N17° 12' 03"W			
C83	11.21'	42° 50' 00"	15.00'	10.95	N17° 12' 03"W			
C85	11.21'	42° 50' 00"	15.00'	10.95	N25° 37' 57"E			
C86	11.21'	42° 50' 00"	15.00'	10.95	N25° 37' 57"E			



PROFILE LEGEND	
	EXISTING GROUND AT HCL
	PROPOSED GRADE AT HCL



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RIDGEGATE EAST FILING NO. 4
STREET AND STORM SEWER
PLANS
CROSSFIELD ST PLAN & PROFILE

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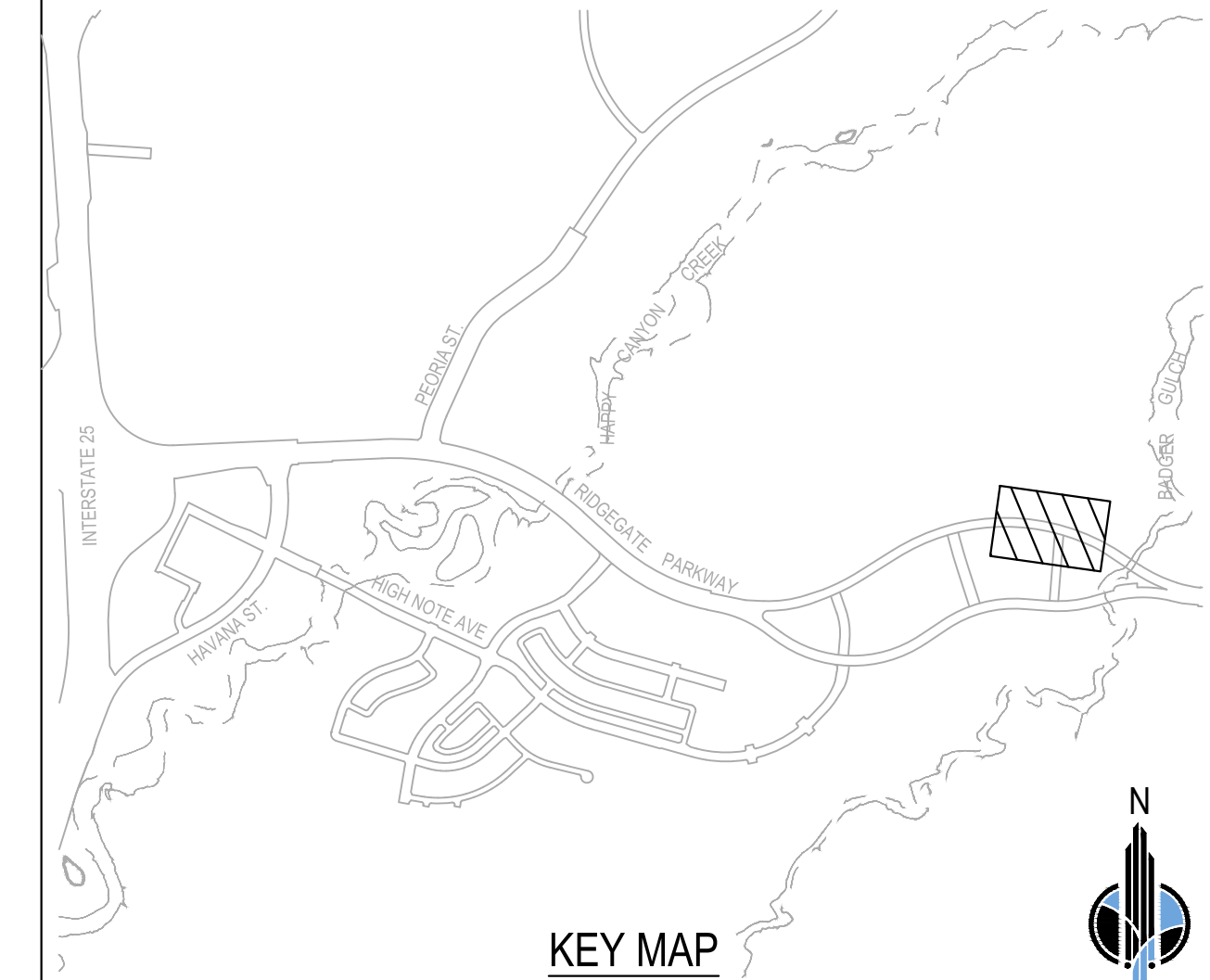
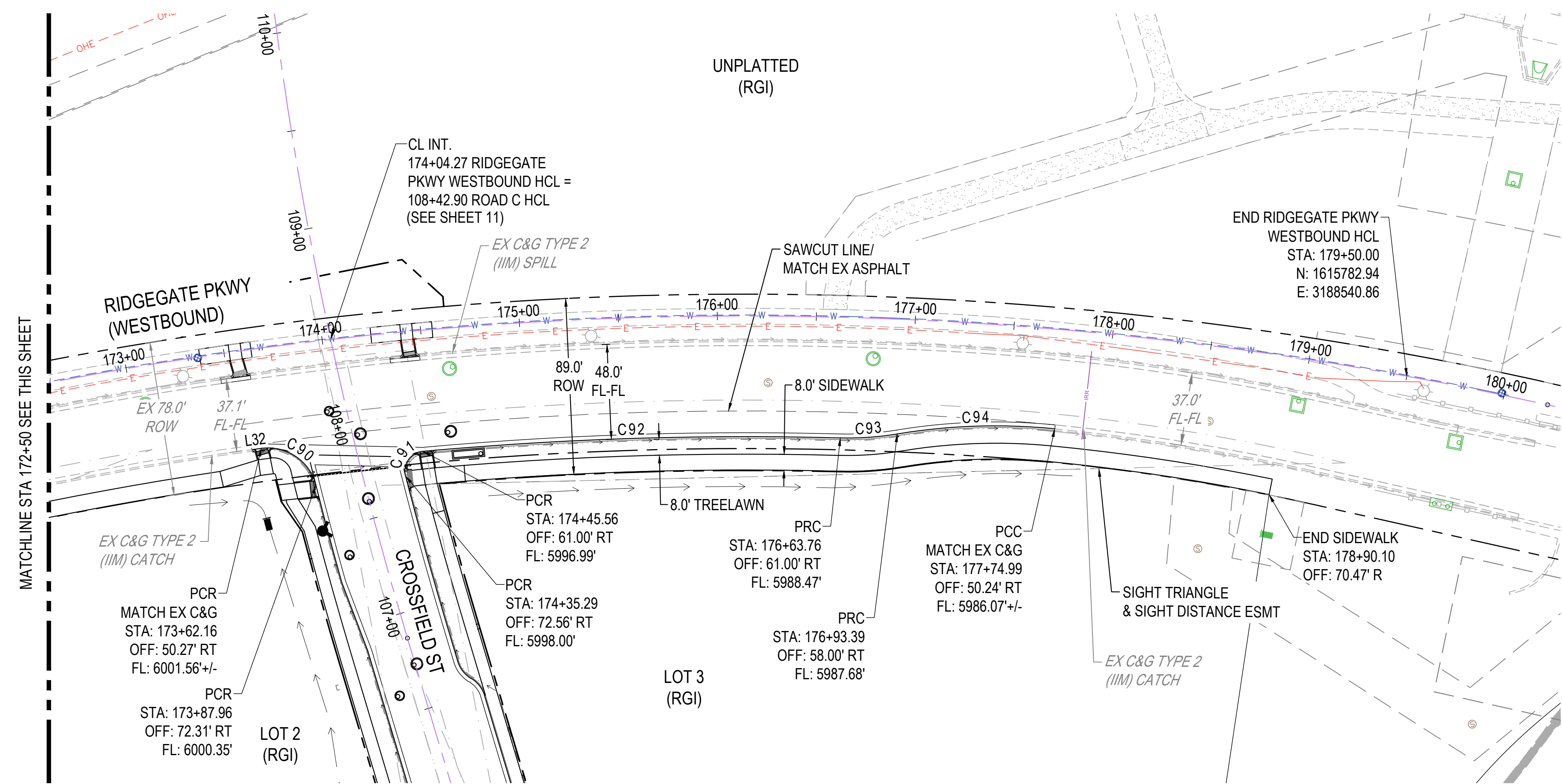
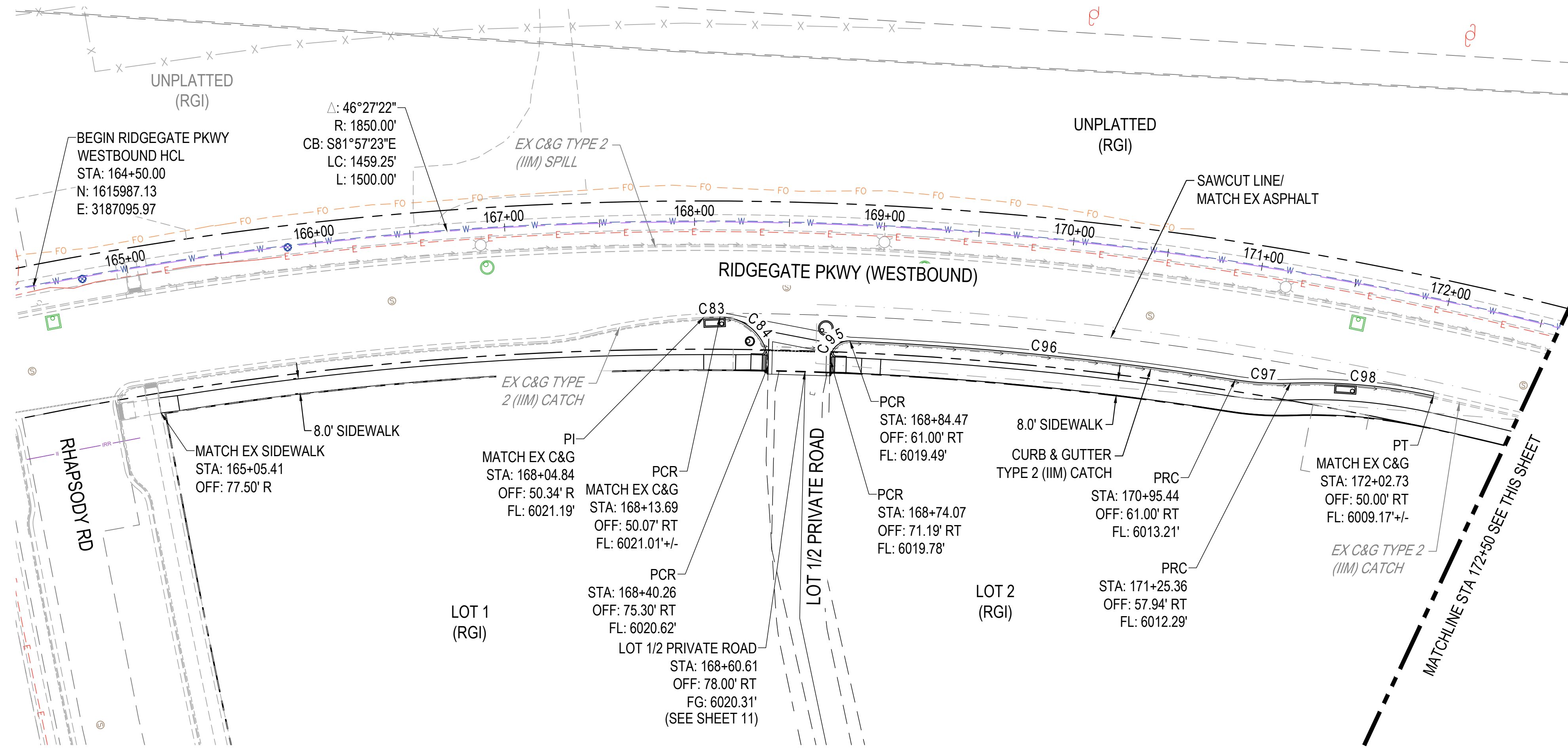


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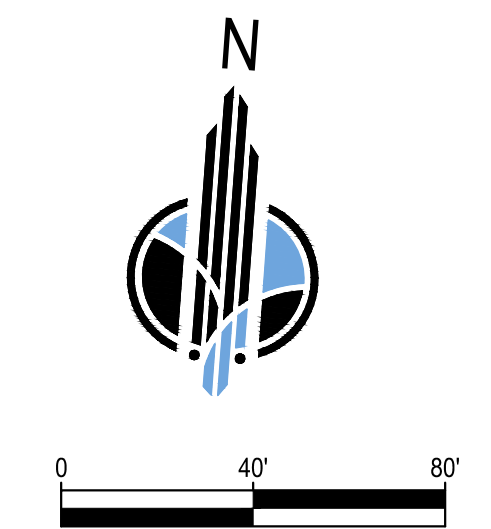
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- ROADWAY NOTES:**
- ALL STATIONS, OFFSETS, AND ELEVATIONS ARE TO FLOWLINE UNLESS OTHERWISE NOTED.
 - ALL LINE AND CURVE TABLE DATA REFERENCES FLOWLINE AT CURB AND GUTTER AND EDGE OF ASPHALT WHERE CURB AND GUTTER IS NOT PROPOSED.

CURVE TABLE					
CURVE #	LENGTH	DELTA	RADIUS	CRD LENGTH	CRD RADIUS
C83	8.61'	1° 38' 40"	300.00'	8.61	N84° 07' 26"E
C84	40.19'	92° 06' 05"	25.00'	36.00	S49° 00' 11"E
C90	36.43'	83° 29' 11"	25.00'	33.29	S35° 03' 30"E
C91	17.31'	99° 09' 10"	10.00'	15.23	N56° 04' 21"E
C92	211.00'	6° 45' 27"	1789.00'	210.88	S70° 58' 20"E
C93	28.88'	11° 01' 54"	150.00'	28.84	S73° 06' 34"E
C94	79.82'	15° 14' 38"	300.00'	79.58	S71° 00' 12"E
C95	15.92'	91° 13' 26"	10.00'	14.29	N42° 39' 34"E
C96	204.01'	6° 32' 02"	1789.00'	203.90	S88° 27' 41"E
C97	29.16'	11° 08' 23"	150.00'	29.12	N89° 14' 08"E
C98	75.72'	14° 27' 45"	300.00'	75.52	S89° 06' 11"E

LINE TABLE		
LINE #	BEARING	LENGTH
L32	S76° 48' 05"E	4.78'



City of Lone Tree

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STREET AND STORM SEWER
PLANS

CROSSFIELD ST-RIDGEWAY
WESTBOUND TURN LANES

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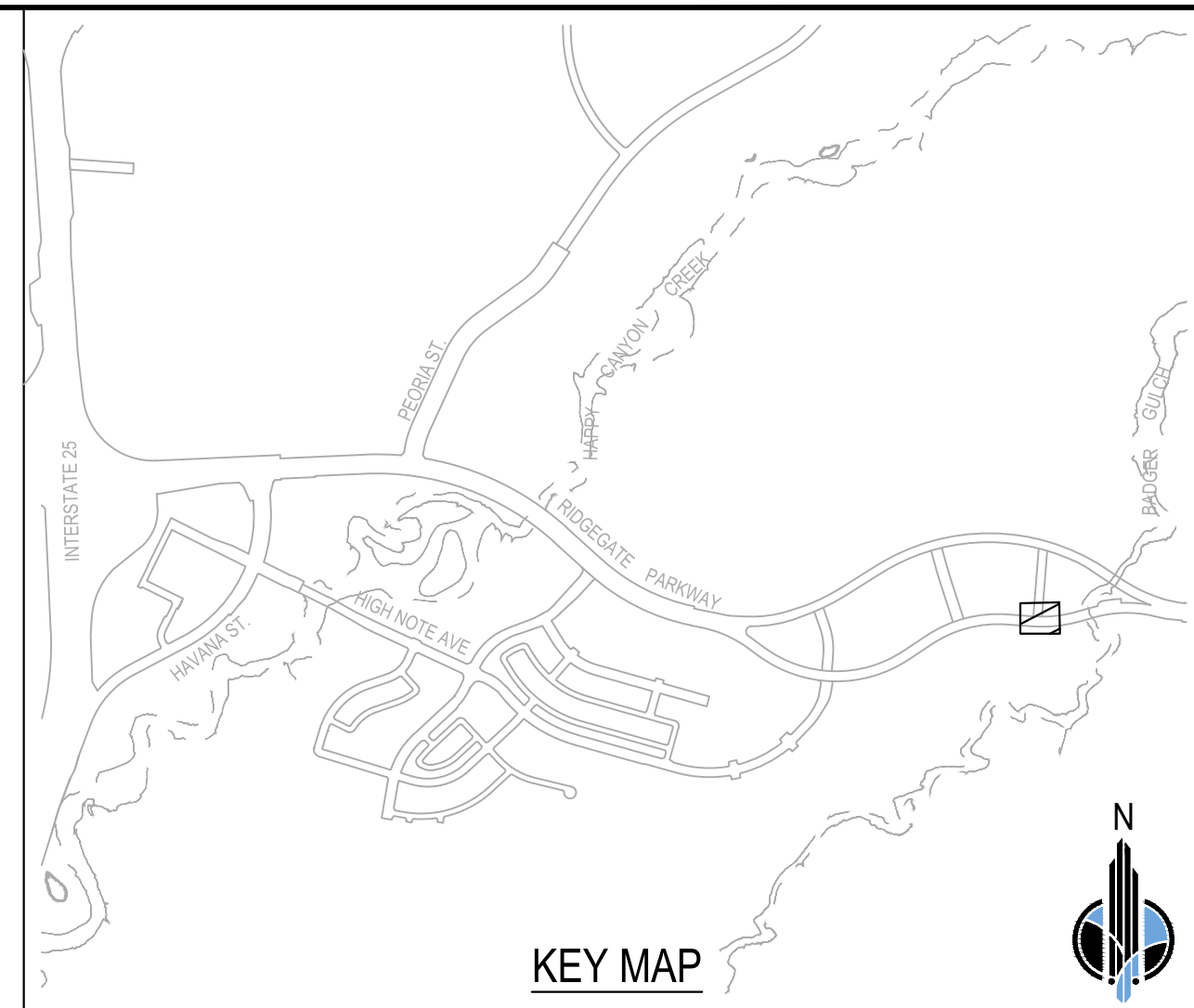
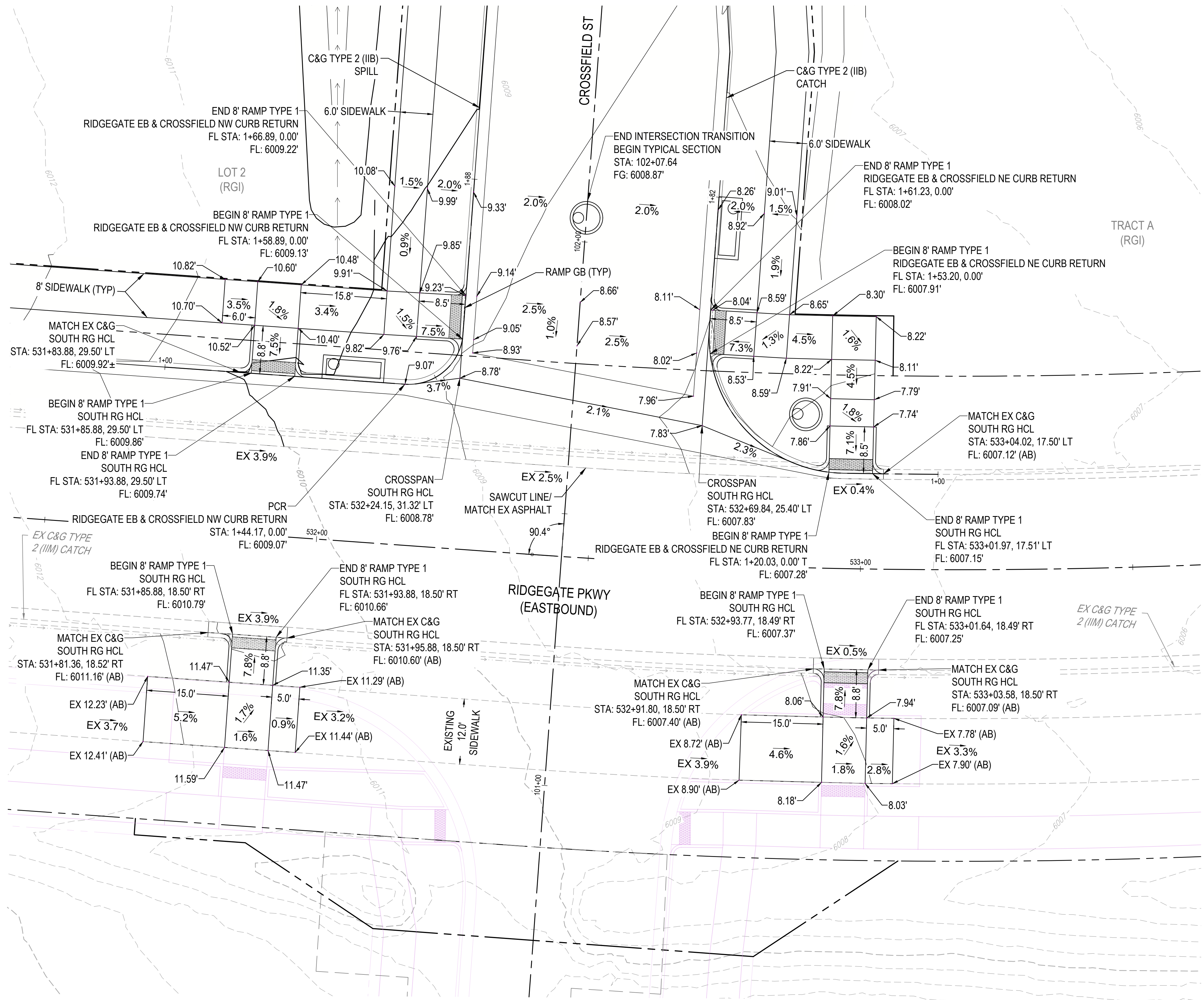
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File Location: D:\DEN\Projects\5097-02-RRWD Overall East\1240-Couplet Roadway Design\Design\1240-Couplet Roadway Design\1240-RRWD Overall East\1240-Intersection Plan - RG EB & ROAD C.dwg Plot Date: 10/30/2023 2:50 PM Last Saved By: VINCE VILLARREAL



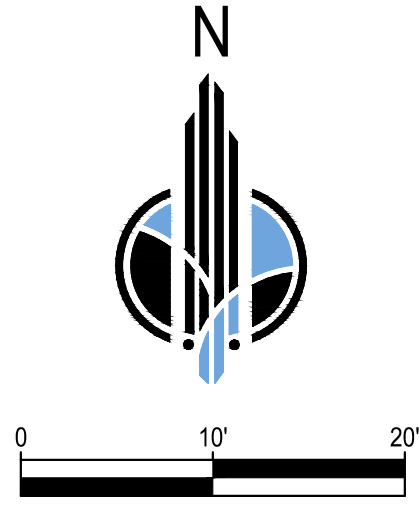
- INTERSECTION NOTES:**
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 2. THE FLOWLINE ELEVATION AT TYPE R INLETS REPRESENTS THE ELEVATION AT THE MIDPOINT OF THE INLET AT FLOWLINE. THE FLOWLINE ELEVATION DOES NOT ACCOUNT FOR THE LOCAL DEPRESSION AT THE INLET.
 3. REFER TO THE MOST CURRENT VERSION OF THE CITY AND COUNTY OF DENVER "SIDEWALK AND CURB RAMP CONSTRUCTION RULES AND REGULATIONS" AND "CURB RAMP INSTALLATION AND REPLACEMENT POLICY AND PROCEDURES" FOR ADDITIONAL DESIGN PARAMETERS.
 4. THE MAXIMUM CROSS-SLOPE OF THE GUTTER IN FRONT OF THE CURB RAMP SHALL BE 5%.
 5. THE MAXIMUM CROSS-SLOPE OF THE CURB RAMP SURFACE SHALL BE 2%.
 6. A LEVEL LANDING AREA SHALL BE REQUIRED AT THE TOP OF EACH CURB RAMP. THE MAXIMUM LANDING AREA SLOPE SHALL NOT EXCEED 2% IN ANY DIRECTION.
 7. PROPOSED CURB RAMP SHALL BE CENTERED AND PARALLEL WHEN ALIGNING WITH AN EXISTING CURB RAMP.
 8. FUTURE ROADWAY LINEWORK SHOWN IN PINK IS FOR CITY OF LONE TREE REFERENCE ONLY. LINEWORK IN PINK IS NOT PART OF THIS CONSTRUCTION PACKAGE.

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**RIDGEGATE EAST FILING NO. 4
 STREET AND STORM SEWER
 PLANS**
**RIDGEGATE PKWY (EASTBOUND) &
 CROSSFIELD ST INTERSECTION DETAIL**

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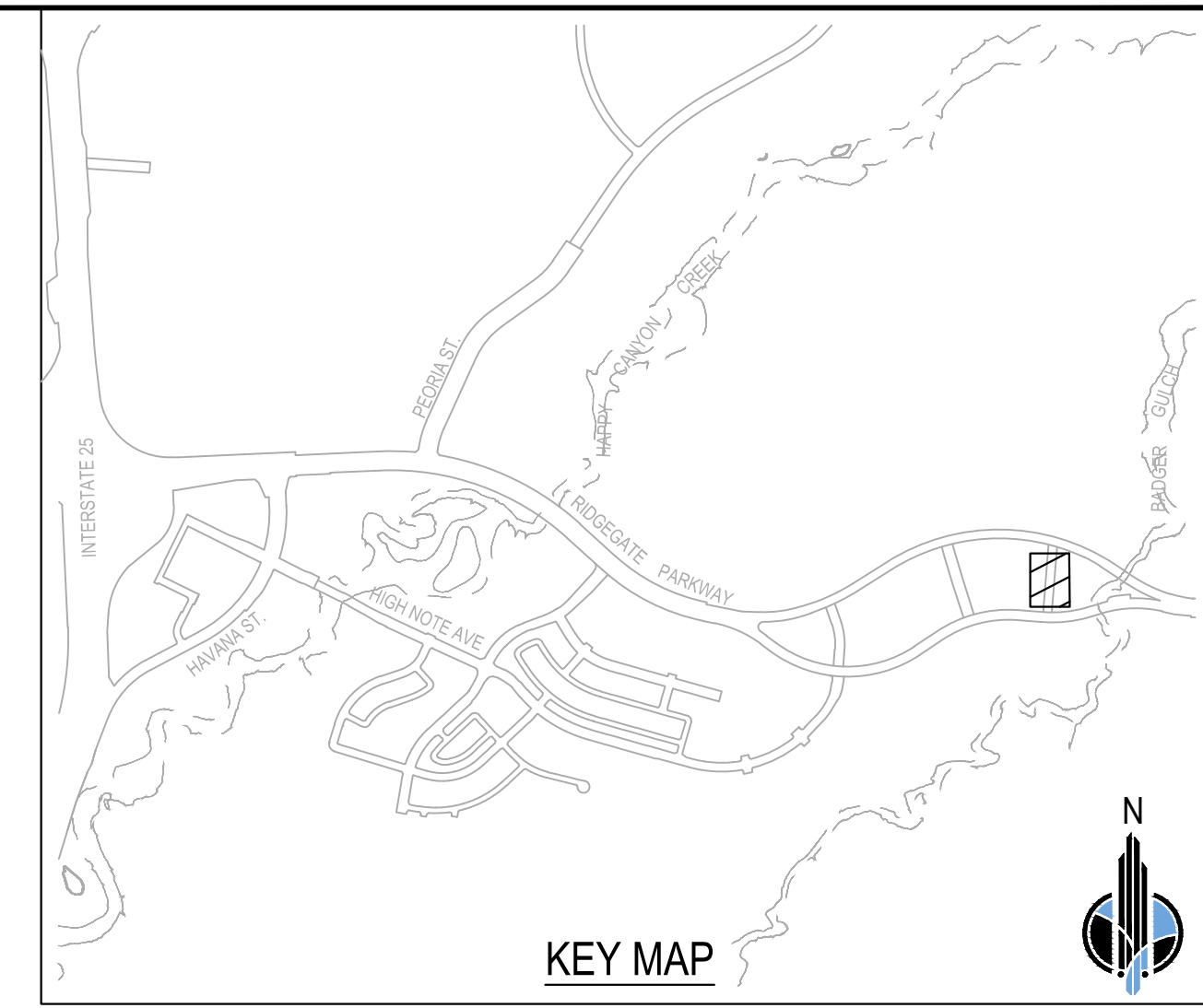
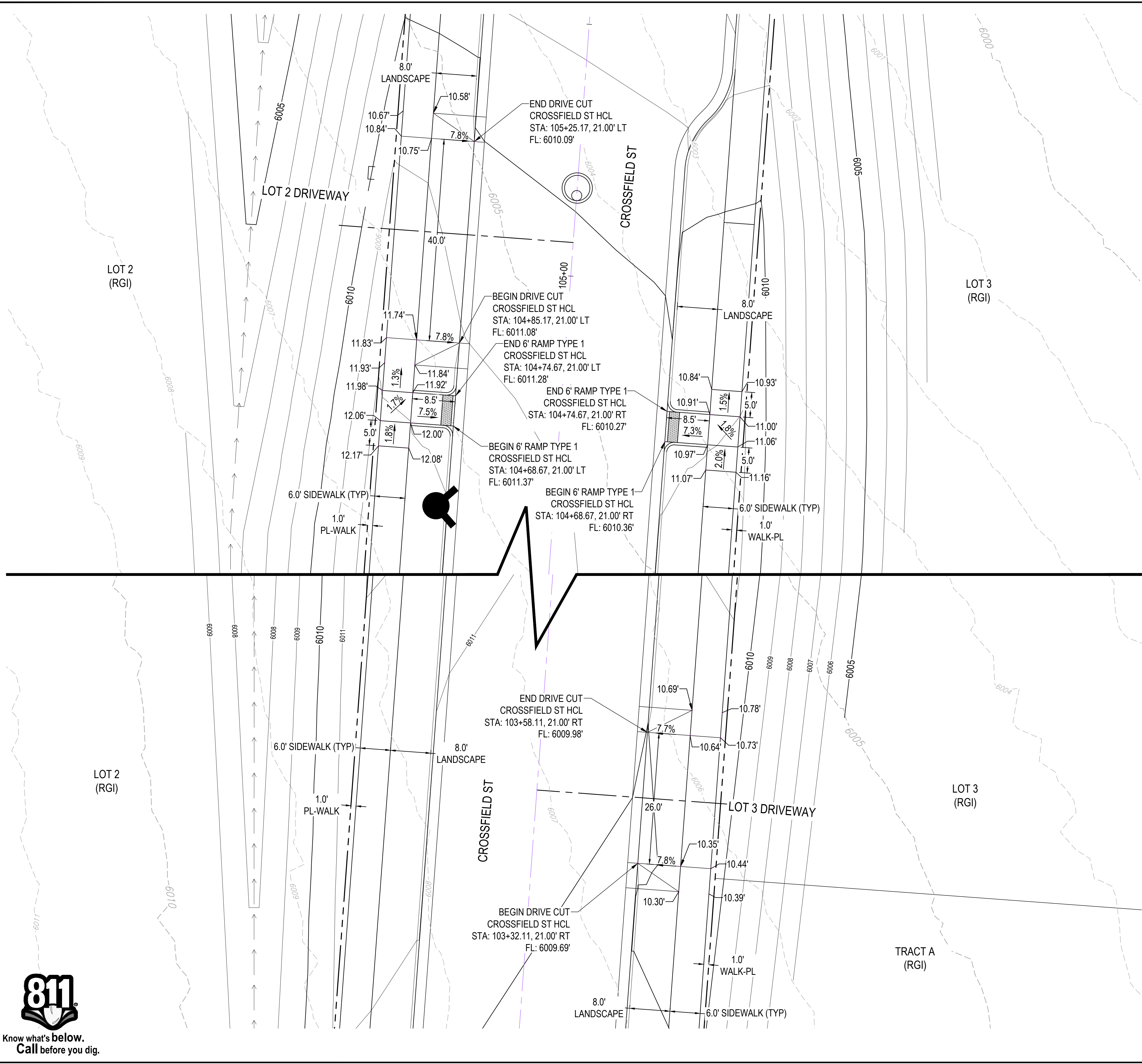
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- INTERSECTION NOTES:**
- ALL STATIONS AND OFFSETS ARE TO CURB AND GUTTER FLOWLINE UNLESS OTHERWISE NOTED.
 - THE FLOWLINE ELEVATION AT TYPE R INLETS REPRESENTS THE ELEVATION AT THE MIDPOINT OF THE INLET AT FLOWLINE. THE FLOWLINE ELEVATION DOES NOT ACCOUNT FOR THE LOCAL DEPRESSION AT THE INLET.
 - REFER TO THE MOST CURRENT VERSION OF THE CITY AND COUNTY OF DENVER "SIDEWALK AND CURB RAMP CONSTRUCTION RULES AND REGULATIONS" AND "CURB RAMP INSTALLATION AND REPLACEMENT POLICY AND PROCEDURES" FOR ADDITIONAL DESIGN PARAMETERS.
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 - THE MAXIMUM CROSS-SLOPE OF THE CURB RAMP SURFACE SHALL BE 2%.
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 - PROPOSED CURB RAMP SHALL BE CENTERED AND PARALLEL WHEN ALIGNING WITH AN EXISTING CURB RAMP.
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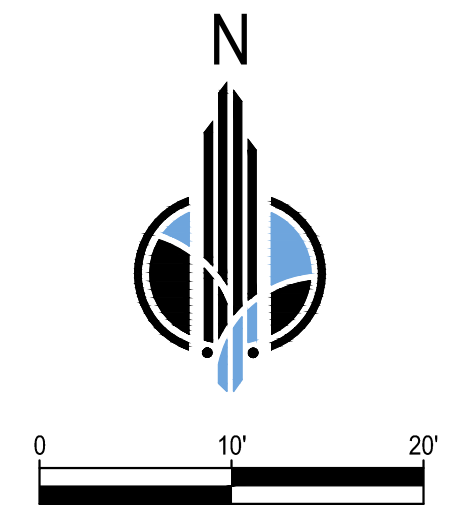
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RIDGEGATE EAST FILING NO. 4
 STREET AND STORM SEWER
 PLANS
 CROSSFIELD ST DRIVEWAY
 INTERSECTION DETAILS

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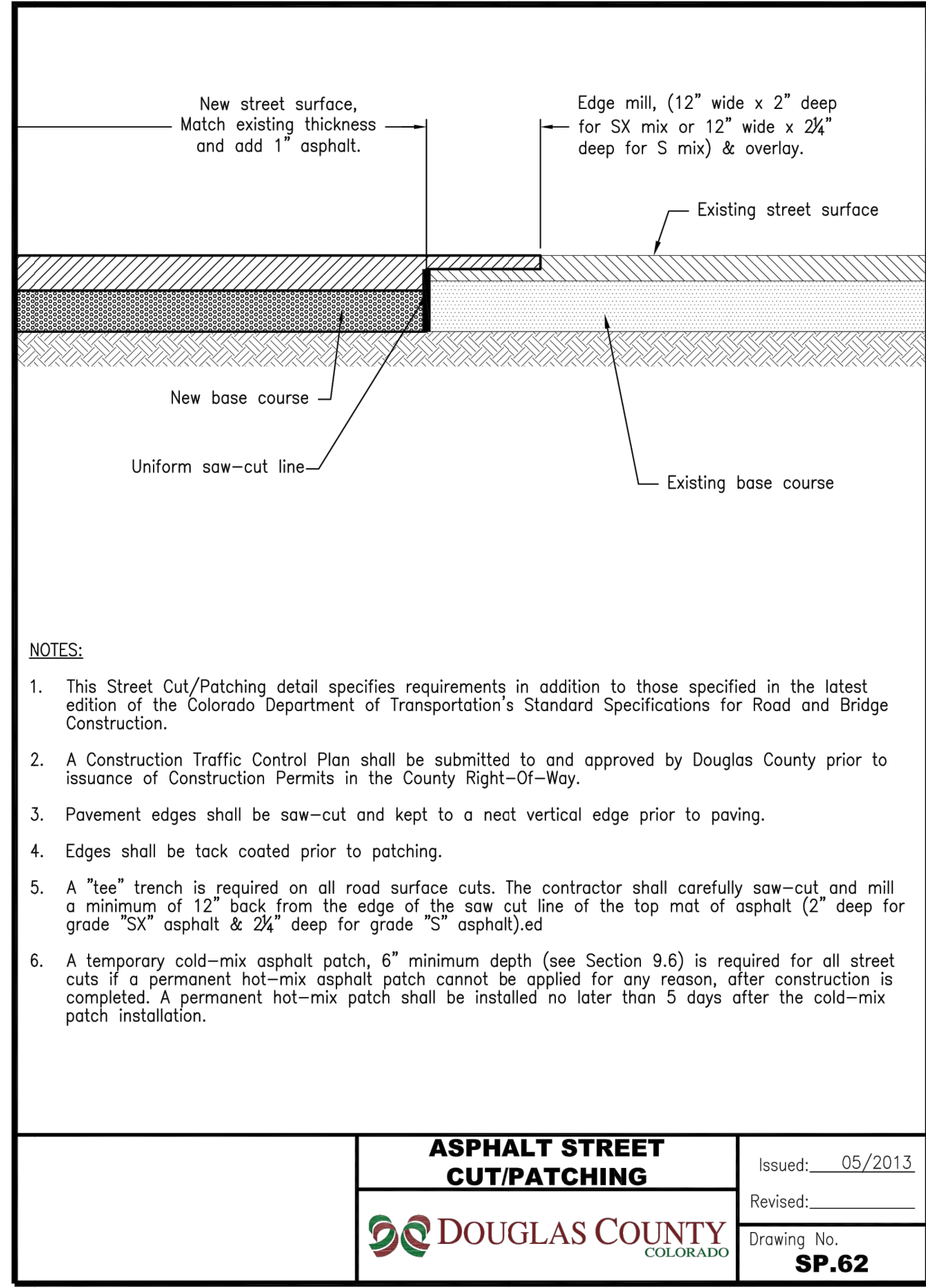
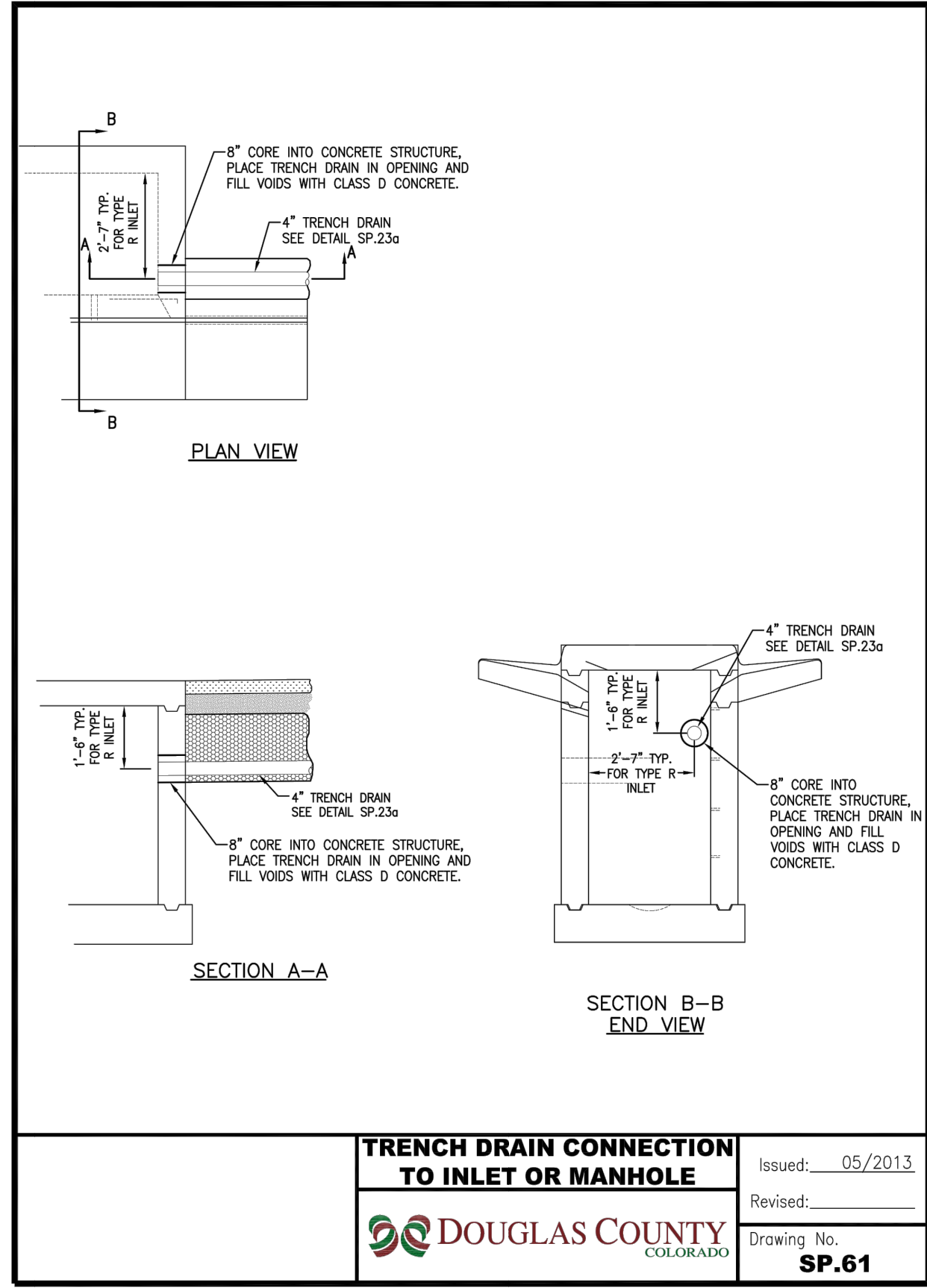
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- NOTES:**
1. This Street Cut/Patching detail specifies requirements in addition to those specified in the latest edition of the Colorado Department of Transportation's Standard Specifications for Road and Bridge Construction.
 2. A Construction Traffic Control Plan shall be submitted to and approved by Douglas County prior to issuance of Construction Permits in the County Right-Of-Way.
 3. Pavement edges shall be saw-cut and kept to a neat vertical edge prior to paving.
 4. Edges shall be tack coated prior to patching.
 5. A "tee" trench is required on all road surface cuts. The contractor shall carefully saw-cut and mill a minimum of 12" back from the edge of the saw cut line of the top mat of asphalt (2" deep for grade "SX" asphalt & 2 1/4" deep for grade "S" asphalt).
 6. A temporary cold-mix asphalt patch, 6" minimum depth (see Section 9.6) is required for all street cuts if a permanent hot-mix asphalt patch cannot be applied for any reason, after construction is completed. A permanent hot-mix patch shall be installed no later than 5 days after the cold-mix patch installation.

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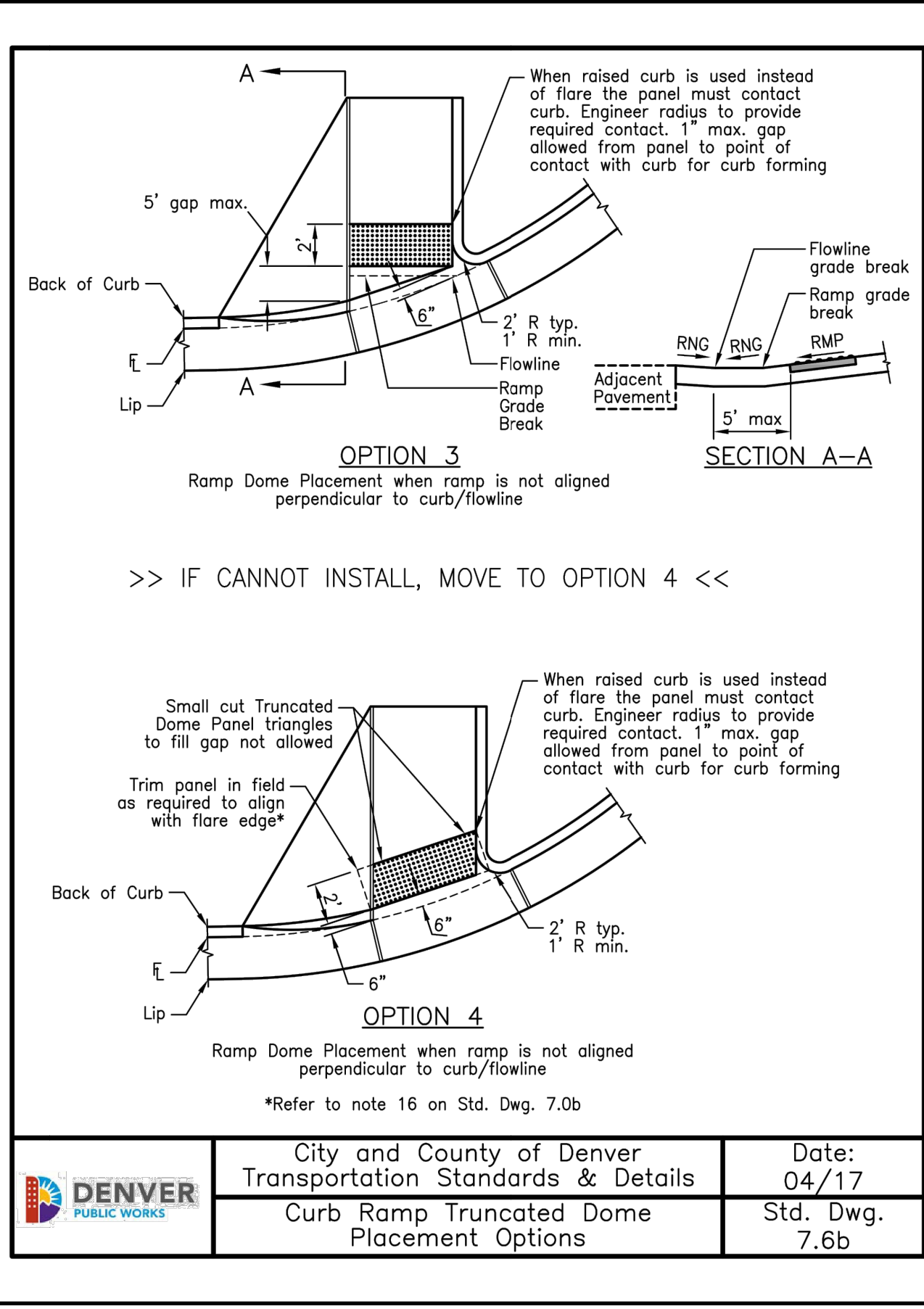
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DATE: 09/29/2023
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RIDGEGATE EAST FILING NO. 4
STREET AND STORM SEWER
PLANS

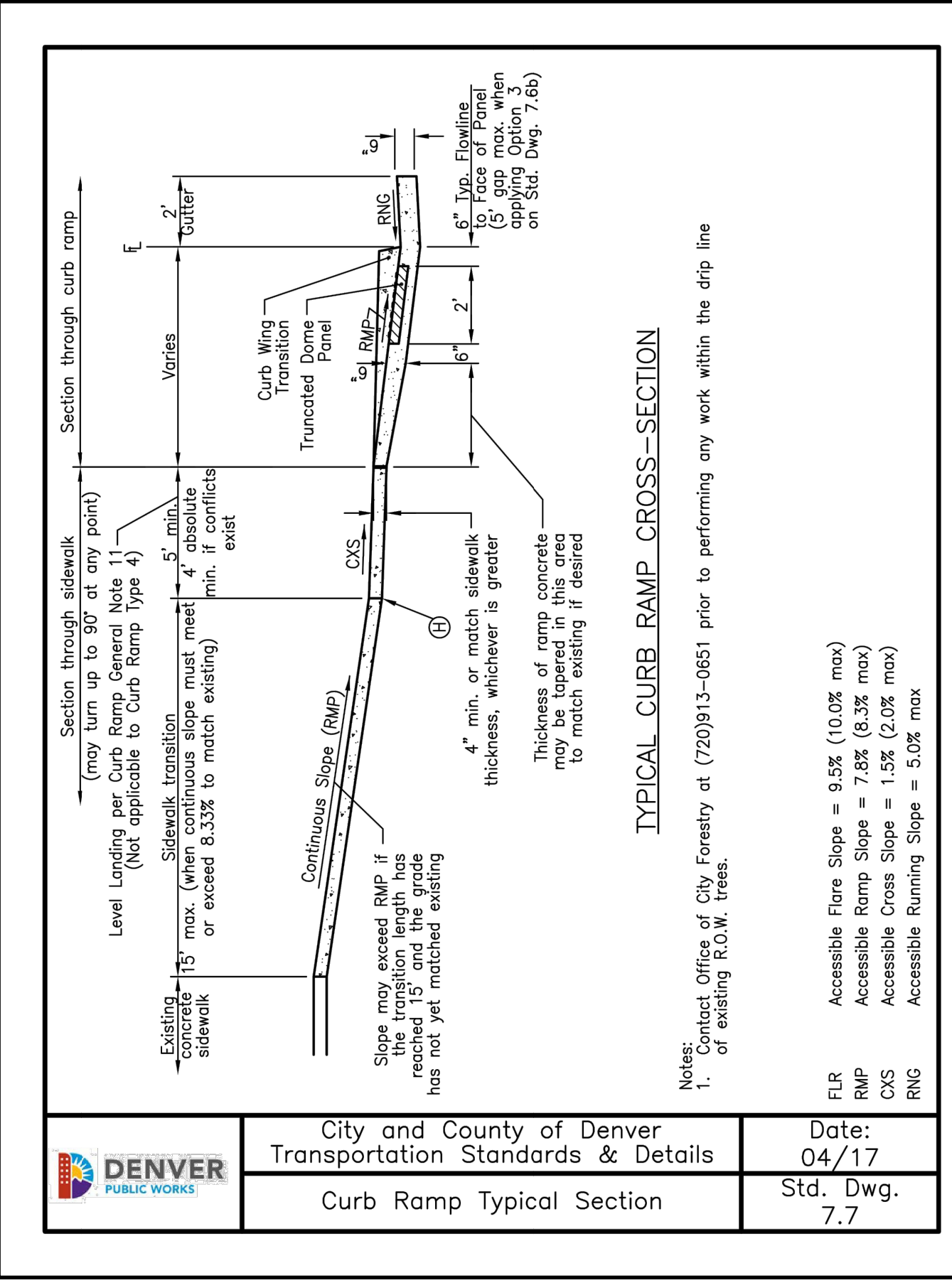
DOUGLAS COUNTY DETAIL 5

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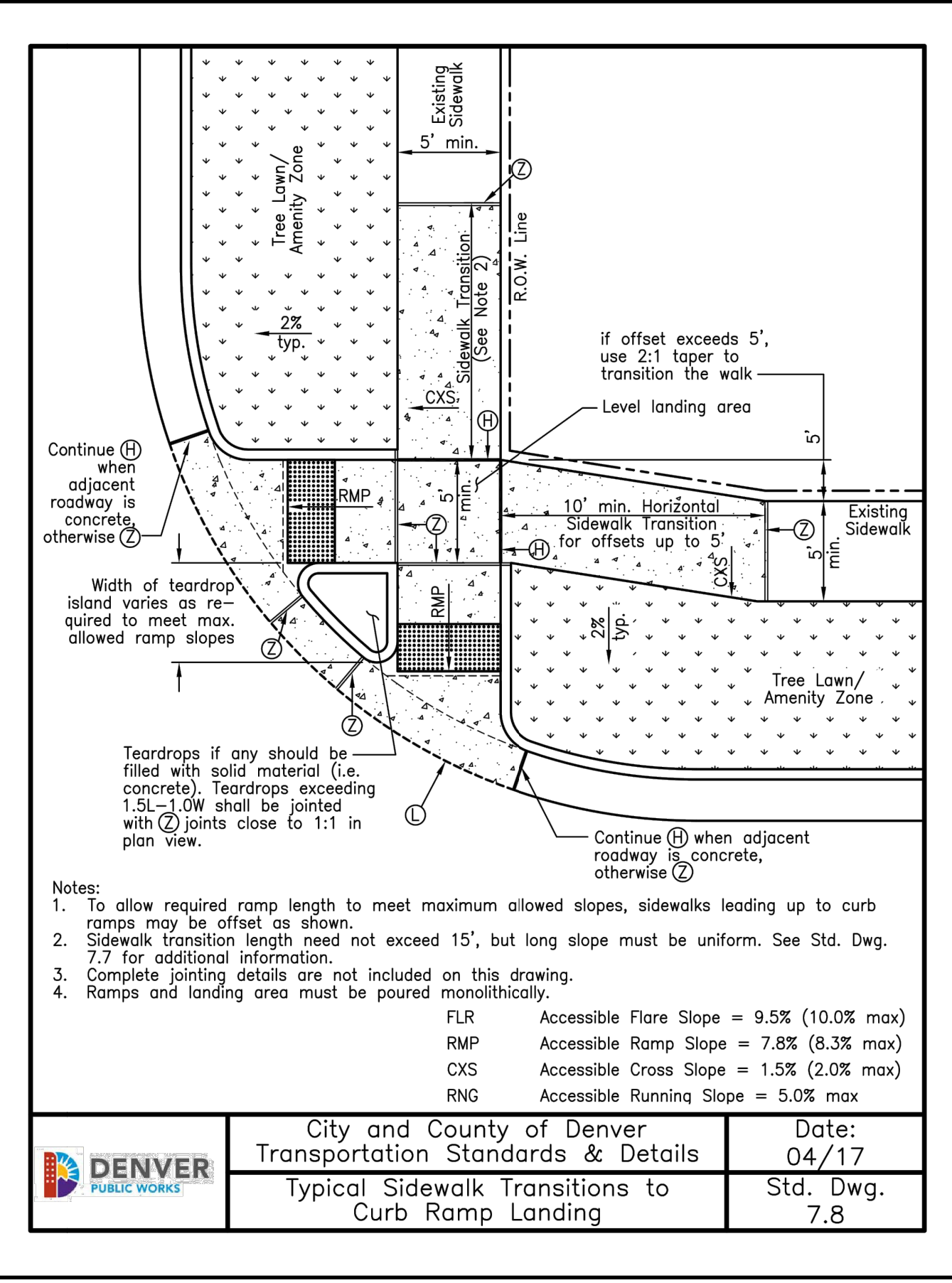
REV	REVISION DESCRIPTION	DATE	DRWN/CHKD/APPD



	City and County of Denver Transportation Standards & Details	Date: 04/17
	Curb Ramp Truncated Dome Placement Options	Std. Dwg. 7.6b



	City and County of Denver Transportation Standards & Details	Date: 04/17
	Curb Ramp Typical Section	Std. Dwg. 7.7



	City and County of Denver Transportation Standards & Details	Date: 04/17
	Typical Sidewalk Transitions to Curb Ramp Landing	Std. Dwg. 7.8

City of Lone Tree

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Engineering Division Acceptance Block



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CHECKED BY:	CB	
APPROVED BY:	CB	
REV	REVISION DESCRIPTION	DATE
		DRWNCHKD/JAPPR

RIDGEGATE EAST FILING NO. 4
STREET AND STORM SEWER
PLANS

CITY OF DENVER DETAIL 2

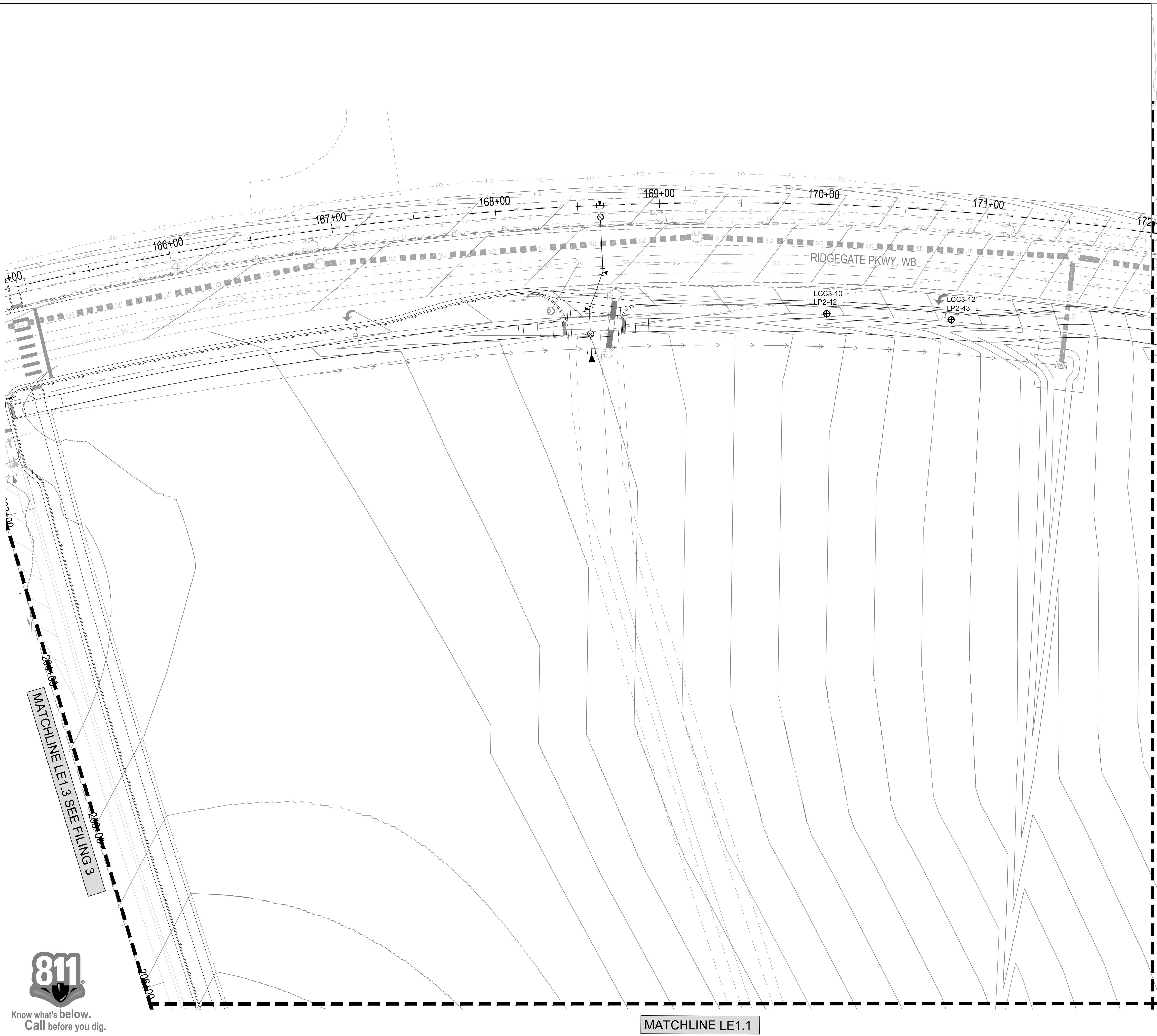
JOB NO.:	65121240
DATE:	09/29/2023
SHEET:	29 OF 48

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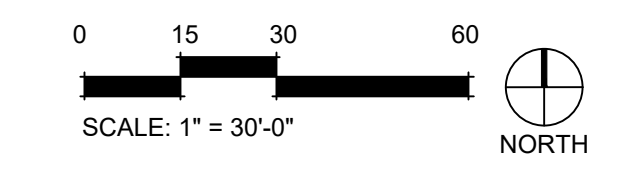
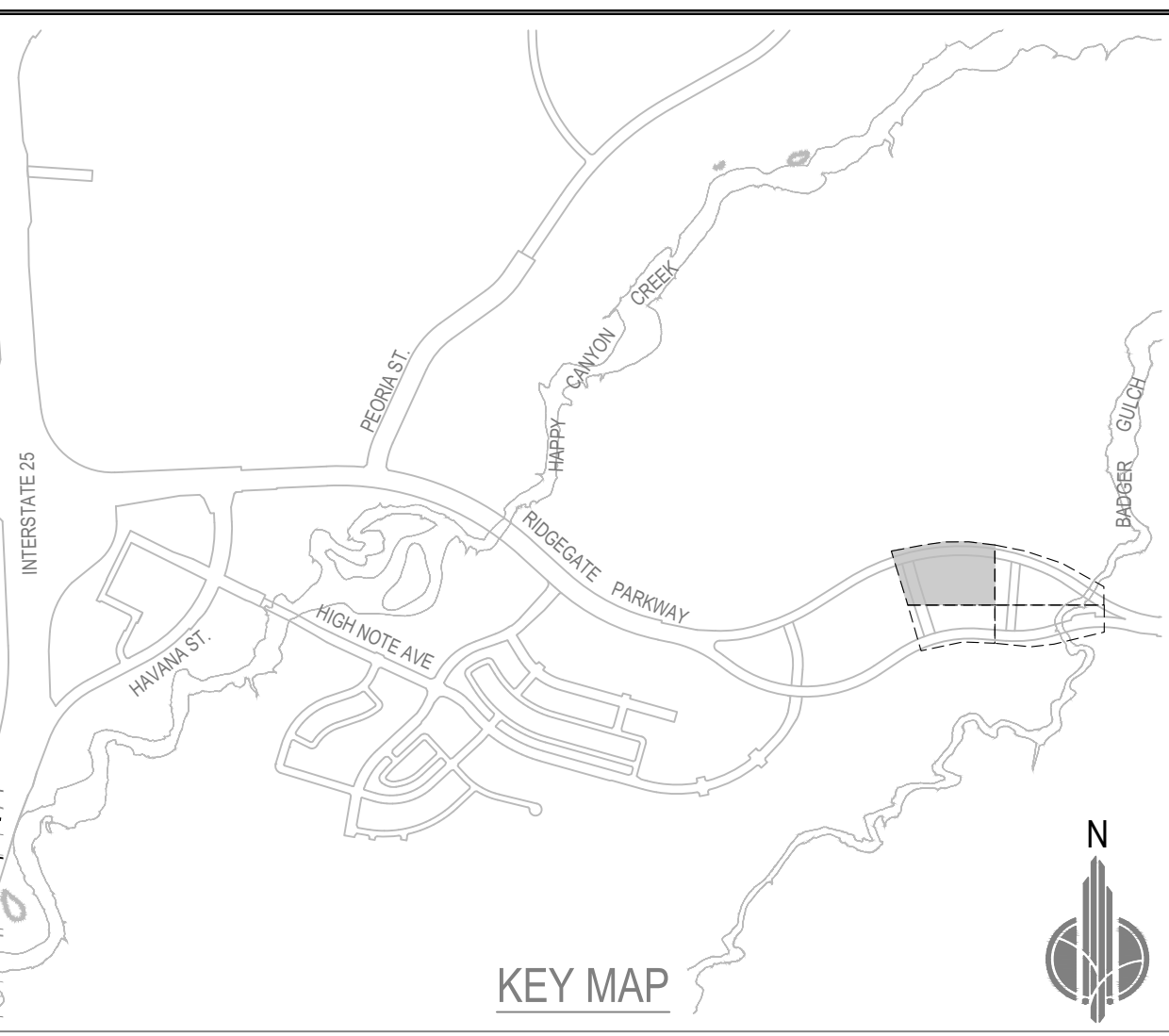
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MATCHLINE LE1.2

MATCHLINE LE1.1

MATCHLINE LE1.3 SEE FILING 3



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 303-530-7229

City of Lone Tree

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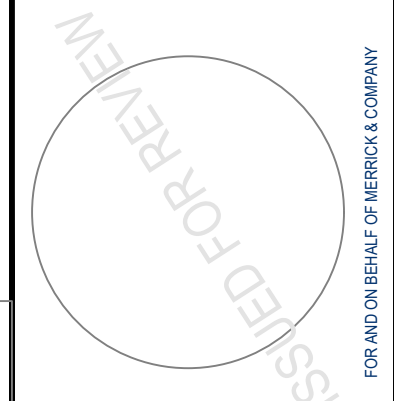
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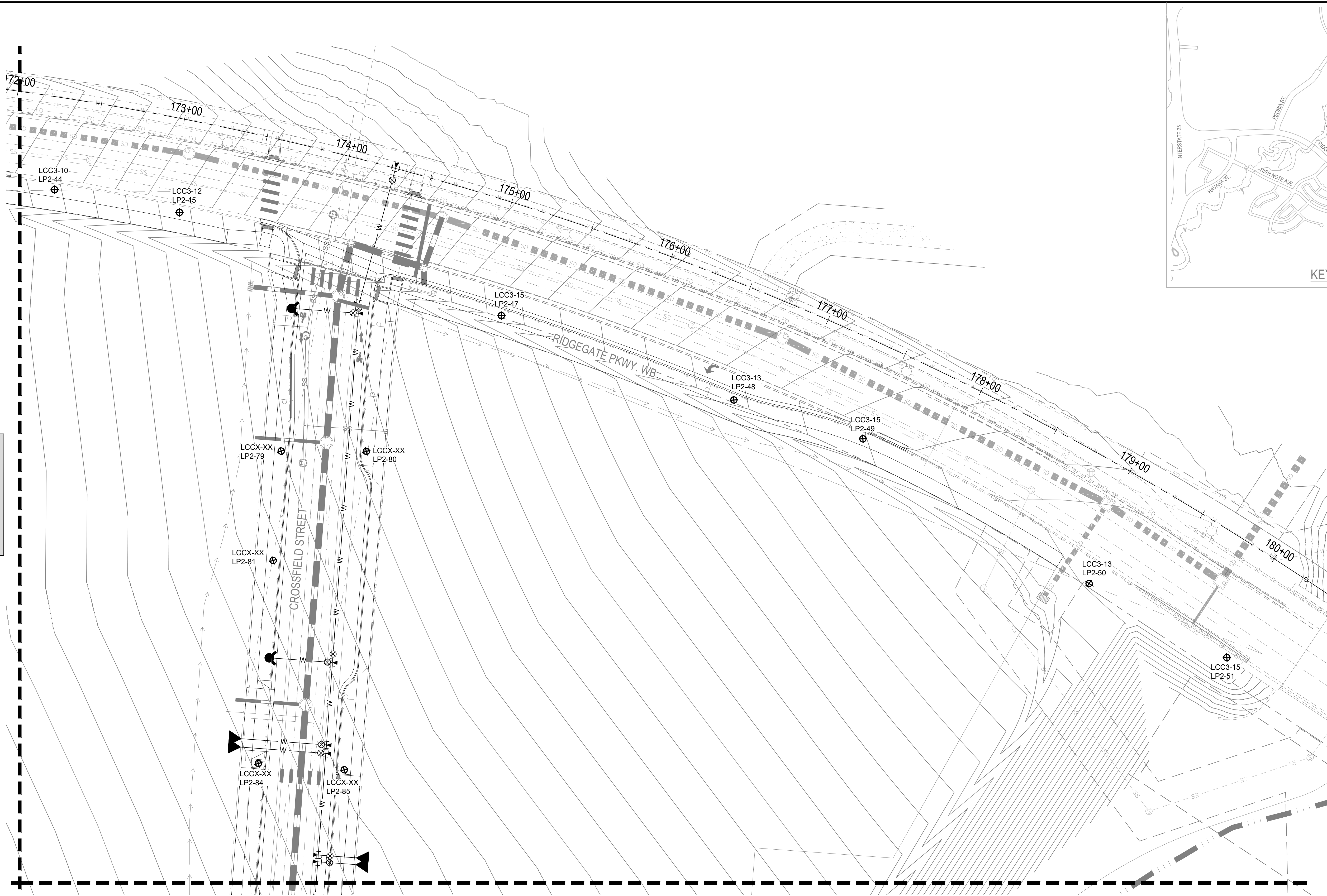
RIDGEGATE EAST FILING NO. 4
 LIGHTING AND ELECTRICAL
 PLANS
 LIGHTING PLANS



JOB NO.: 65121240
 DATE: 9/29/2023
 SHEET: 31 OF 48

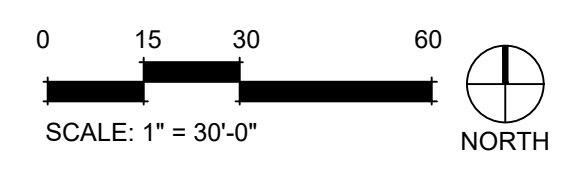
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MATCHLINE LE1.1

MATCHLINE LE1.4



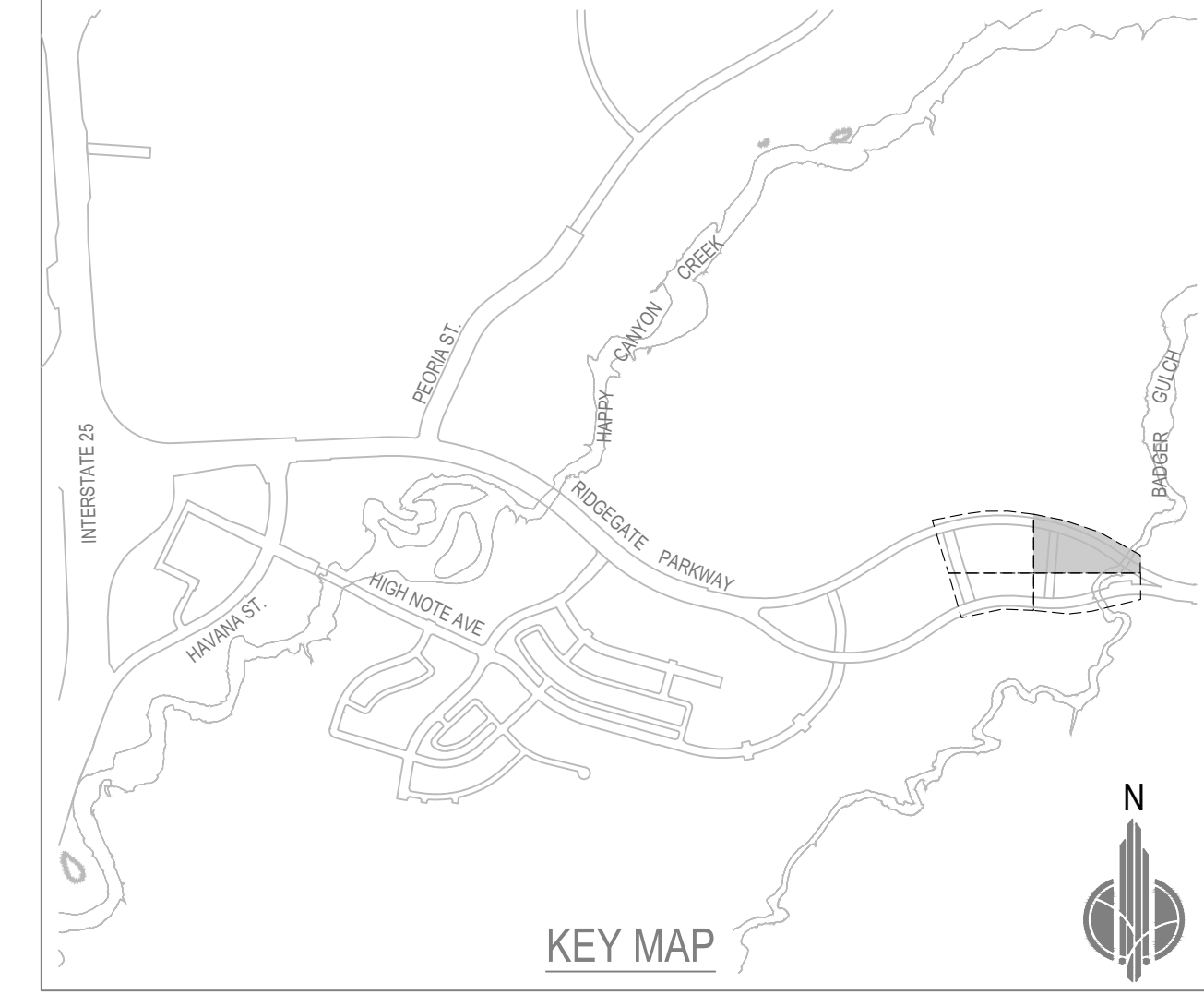
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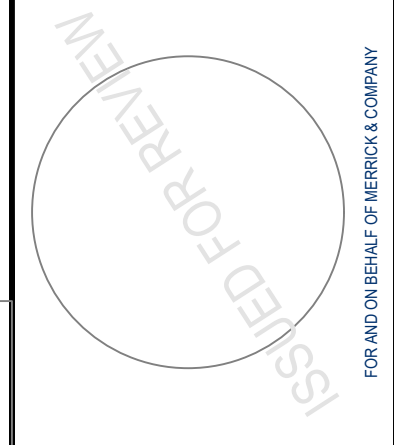


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RIDGEGATE EAST FILING NO. 4
 LIGHTING AND ELECTRICAL
 PLANS

LIGHTING PLANS



JOB NO.: 65121240
 DATE: 9/29/2023
 SHEET: 32 OF 48

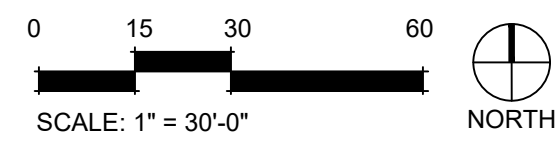
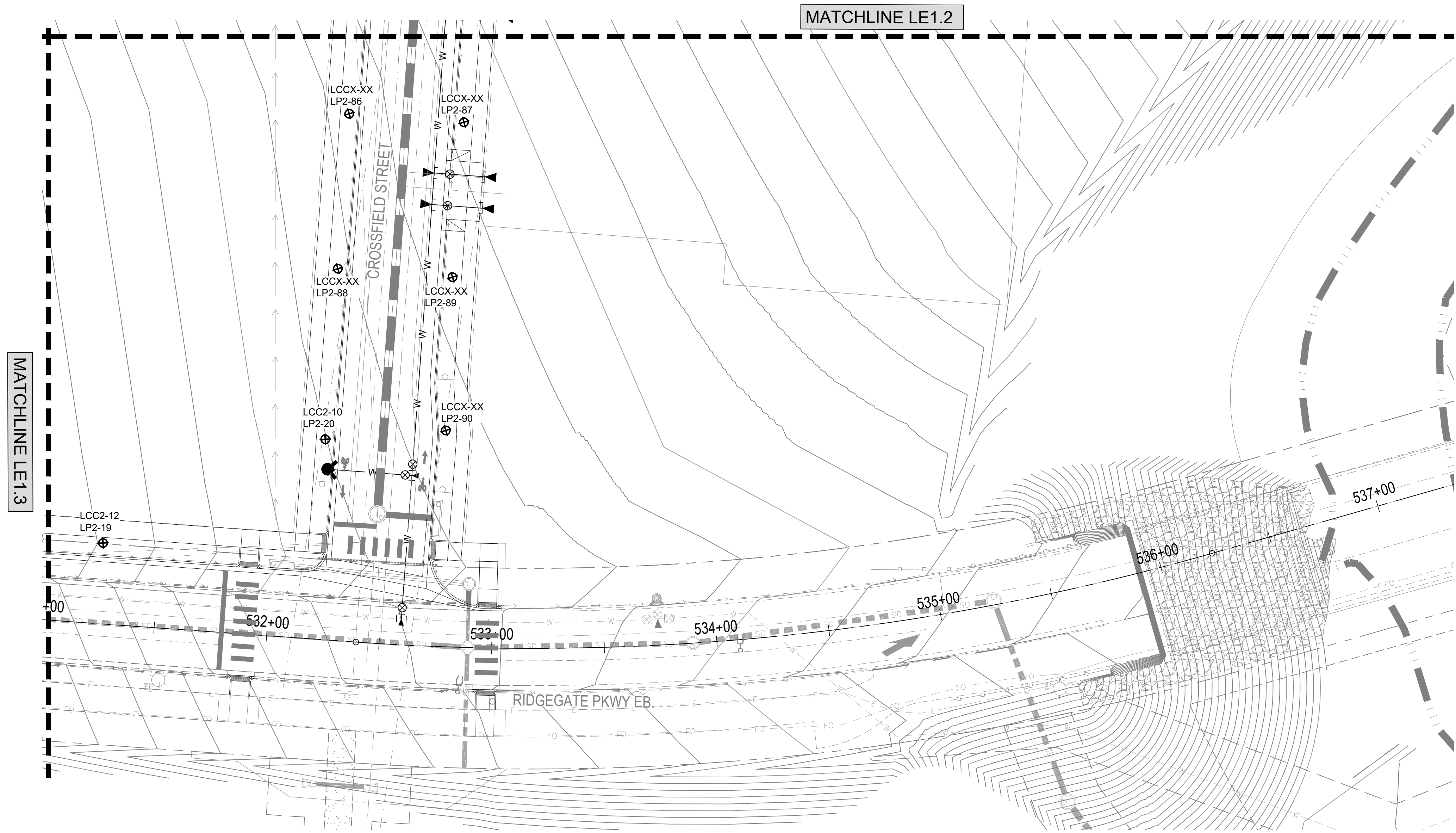


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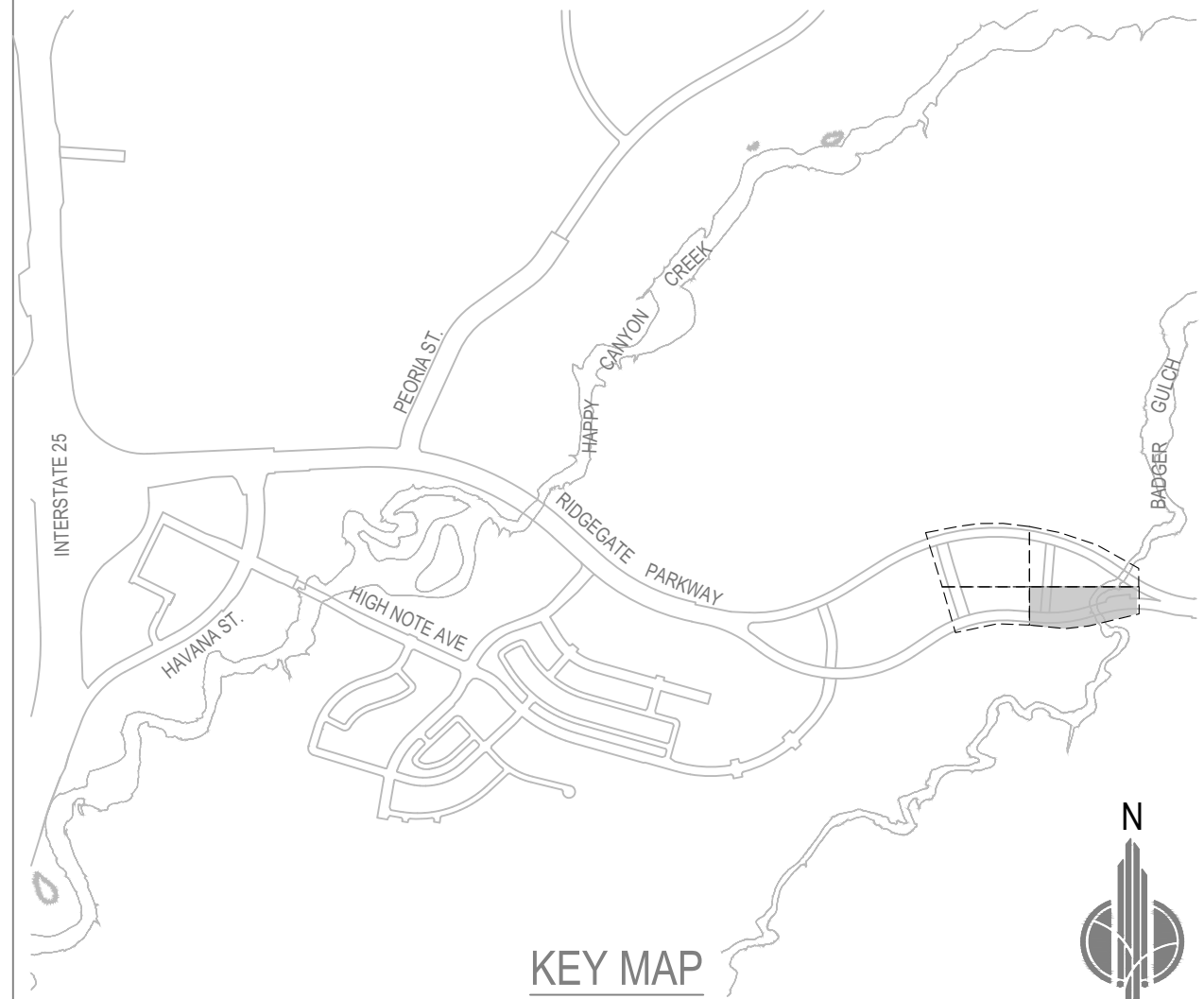
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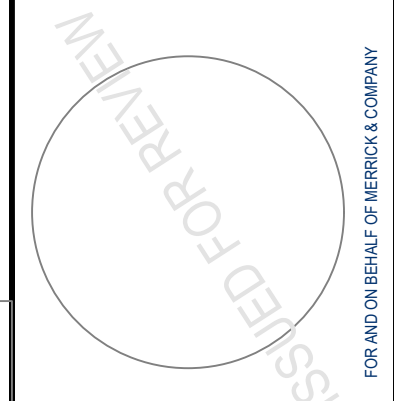


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RIDGEGATE EAST FILING NO. 4
LIGHTING AND ELECTRICAL
PLANS

LIGHTING PLANS

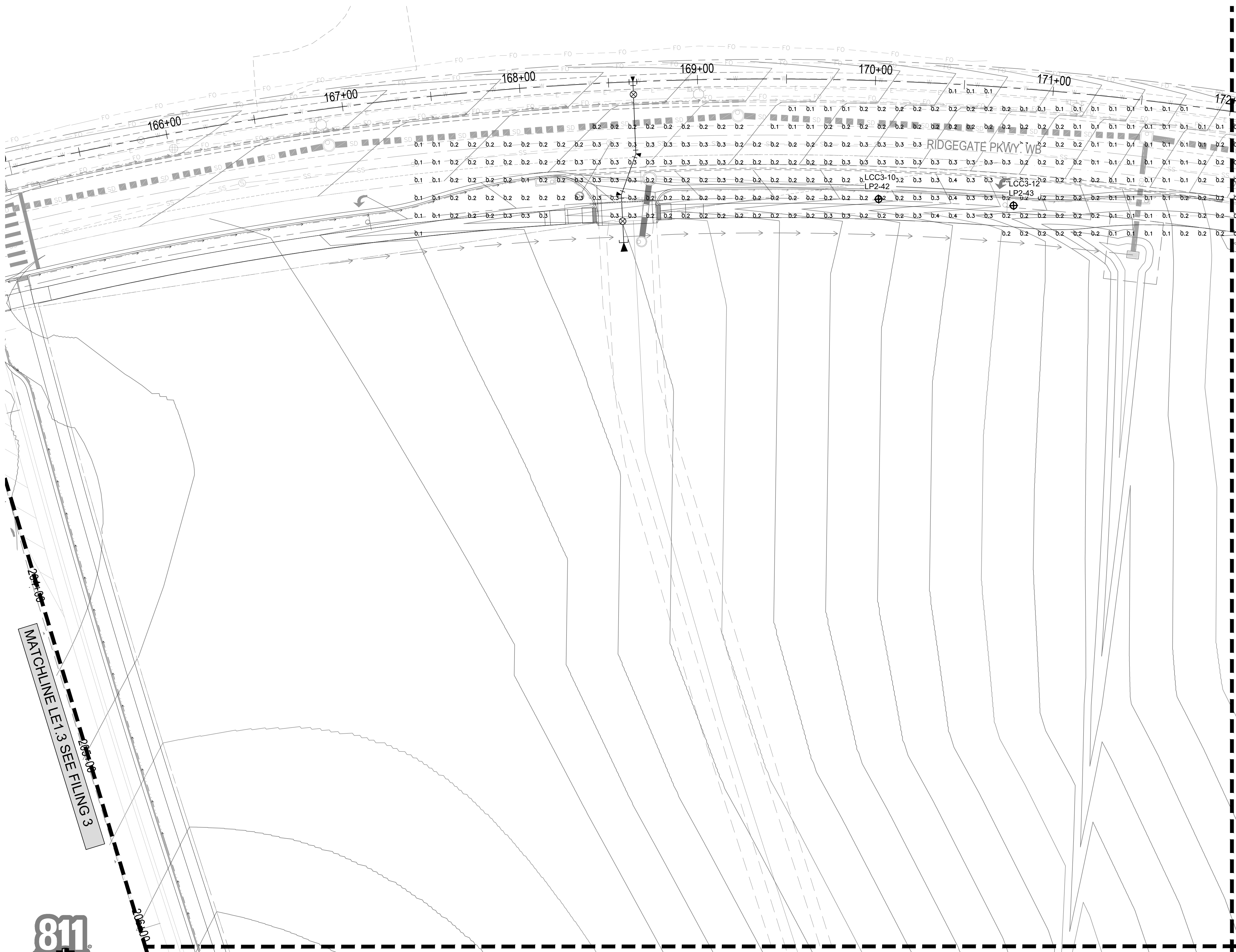


JOB NO.: 65121240
DATE: 9/29/2023
SHEET: 34 OF 48

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Luminaire Schedule					
Label	Arrangement	Description	Tag	LLF	Luminaire Lumens
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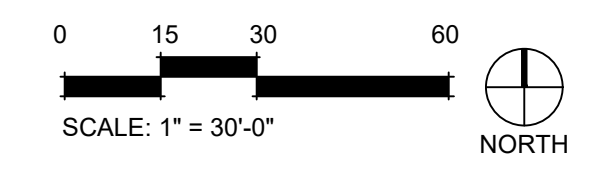
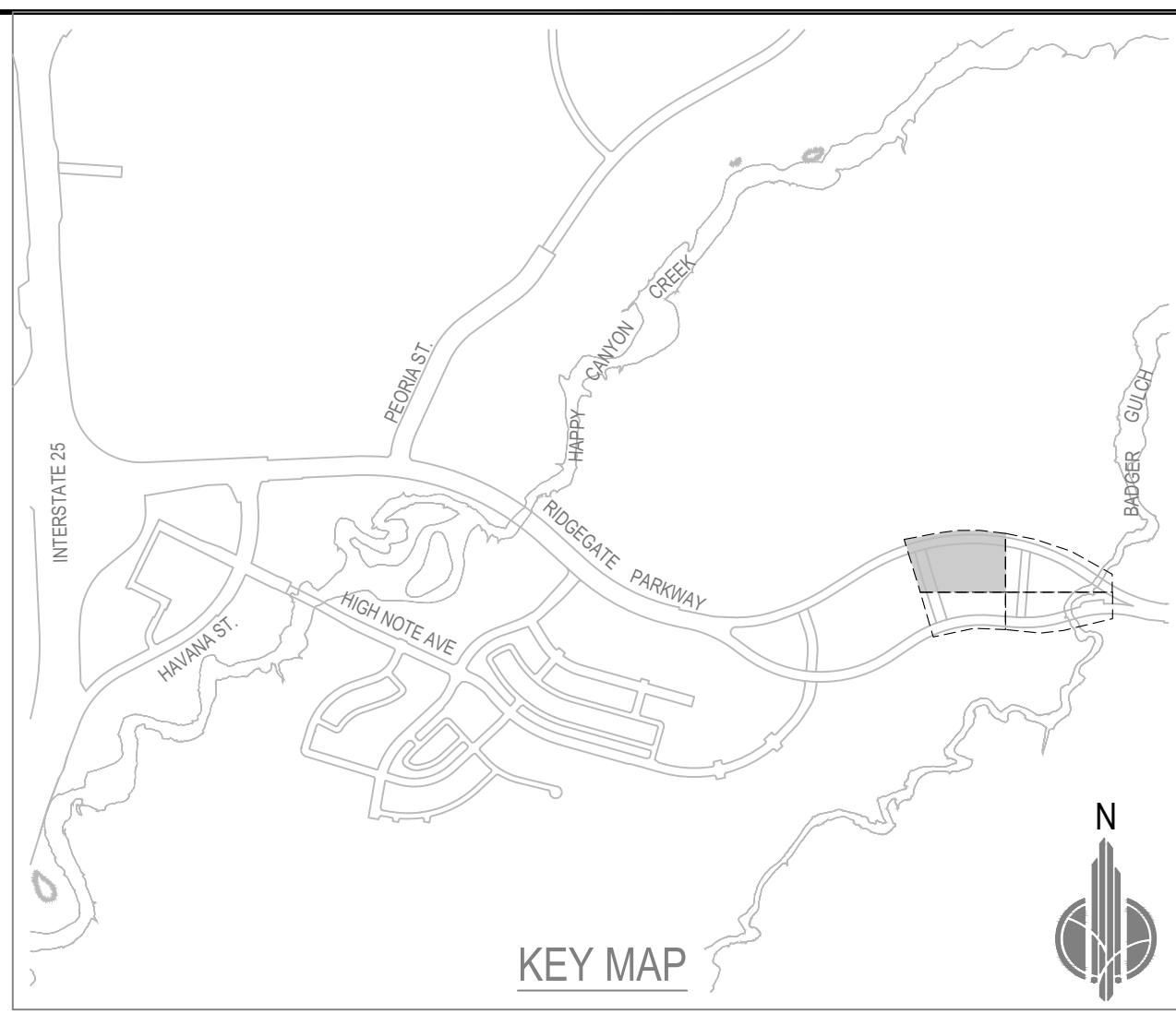
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Ridgegate Parkway	Illuminance	Fc	0.35	1.7	0.1	3.5



MATCHLINE LE1.6

MATCHLINE LE1.3 SEE FILING 3

MATCHLINE LE1.7



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LIGHTING DESIGN AND ENGINEERING
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RIDGEGATE EAST FILING NO. 4
 LIGHTING AND ELECTRICAL
 PLANS

PHOTOMETRIC PLANS

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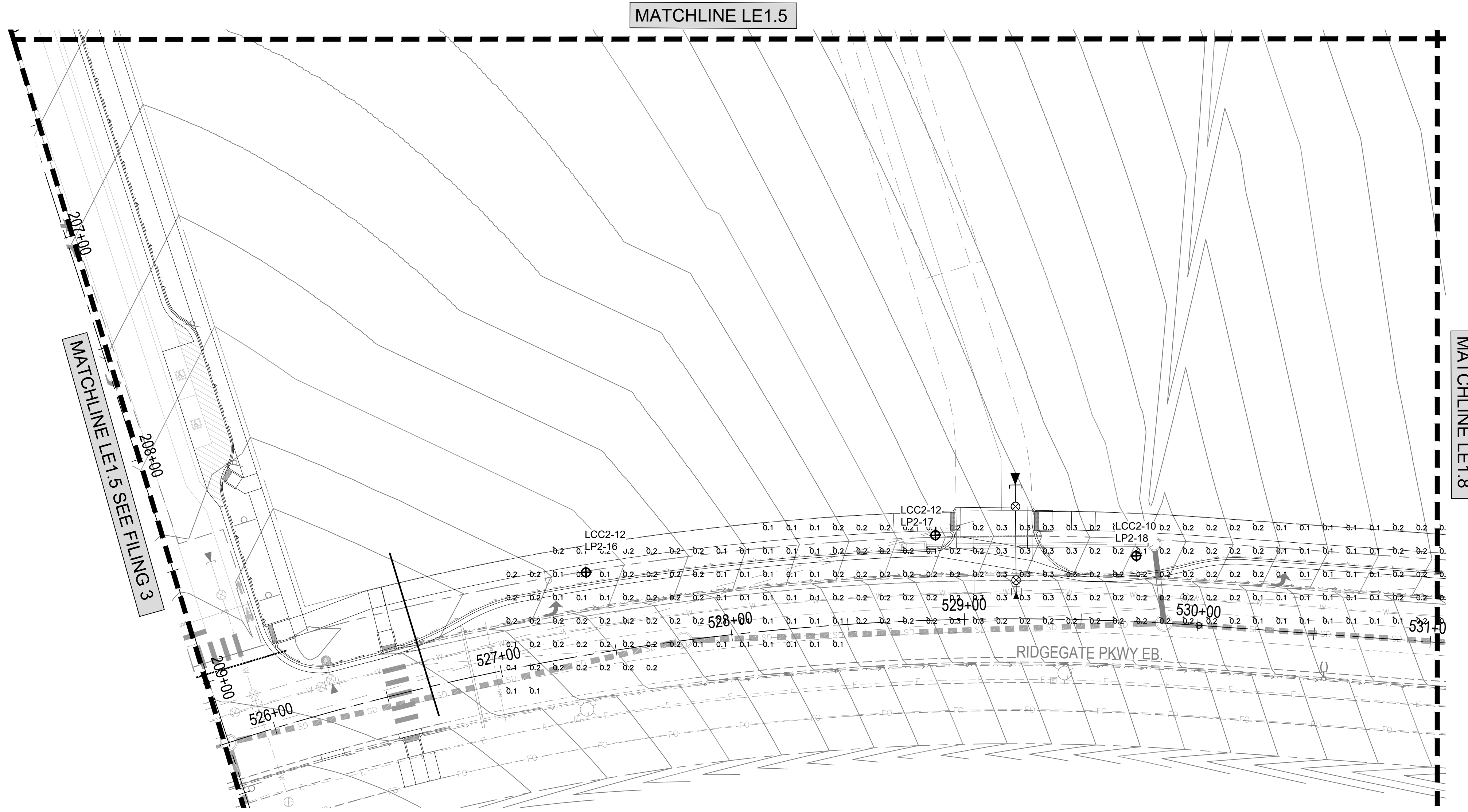
JOB NO.: 65121240
 DATE: 9/29/2023
 SHEET: 35 OF 48



File Location: 2\21100 Ridgegate Phase 1 Streetscapes\CAD\Filing 4\Filing 4_Couplet Lighting_SHEETS.dwg Plot Date: 9/29/2023 1:14 PM Last Saved By: TRAVIS

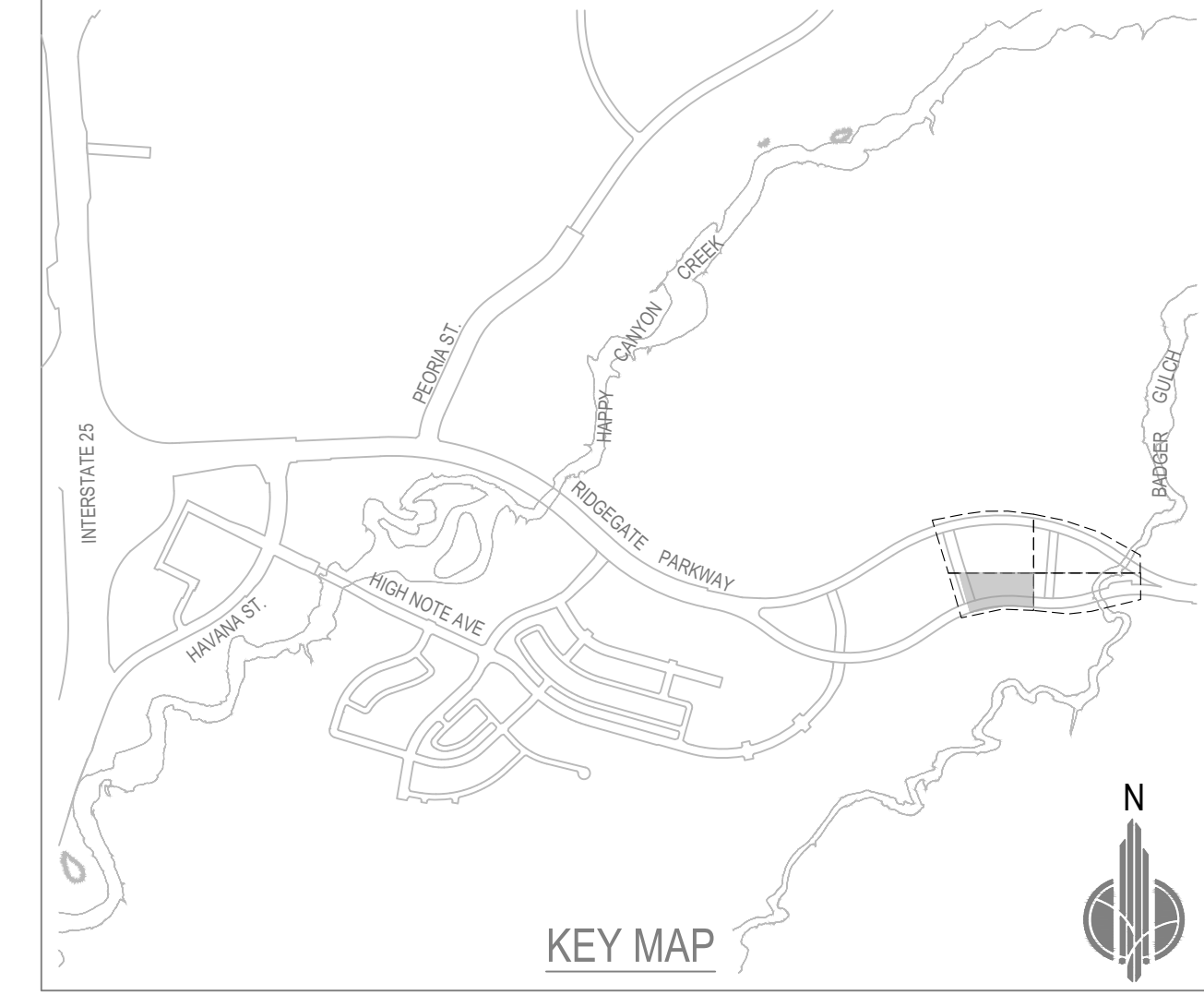
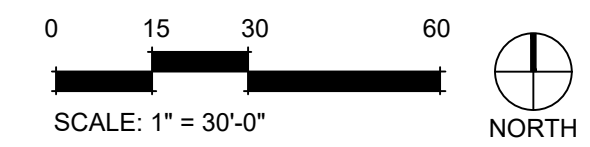
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Luminaire Schedule					
Label	Arrangement	Description	Tag	LLF	Luminaire Lumens
PPT-196L-650-CW-G2-5-UNV	SINGLE	PPT-196L-650-CW-G2-5-UNV		1	3347

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Ridgegate Parkway	Illuminance	Fc	0.35	1.7	0.1	3.5	17



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 LIGHTING AND ELECTRICAL
 PLANS
 PHOTOMETRIC PLANS

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File Location: h:\22093-01_RidgeGate_Couplet_Signal_Designs\CADD\Traffic_JTS\Drawings\Third\ReadIT\22093-01TAB02.dwg Plot Date: 9/27/2023 8:57 AM Last Saved By: THOMAS BRIGHTWELL

INTERIM MAST ARM AND SIGNAL POLE DATA

ARM REF. NO.	LENGTH	LUMINAIRE EXTENSION	POLE STANDARD	LUMINAIRE ARM LENGTH	LOCATION (STREET AND APPROACH DIRECTION)	STATION AND OFFSET	ELEVATION	NOTES:
MA1	40'	YES	DOUG 101	20'	WESTBOUND RIDGEGATE PARKWAY & CROSSFIELD STREET - NORTHEAST CORNER	STA 174+35.80 OFF 21.07' LT		
MA2	0'	YES	DOUG 101	20'	WESTBOUND RIDGEGATE PARKWAY & CROSSFIELD STREET - SOUTHEAST CORNER	STA 174+53.04 OFF 68.07 RT		STANDARD TRAFFIC SIGNAL POLE WITH LUMINAIRE ARM; NO MAST ARM
MA3	35' FUTURE	YES	DOUG 101	20'	WESTBOUND RIDGEGATE PARKWAY & CROSSFIELD STREET - SOUTHWEST CORNER	STA 173+80.85 OFF 80.18 RT		TRAFFIC SIGNAL MAST ARM IS NOT TO BE INSTALLED DURING INTERIM CONSTRUCTION
MA4	50'	YES	DOUG 201	20'	WESTBOUND RIDGEGATE PARKWAY & CROSSFIELD STREET - SOUTHWEST CORNER	STA 173+57.26 OFF 54.34 RT		
MA5	0'	YES	DOUG 101	20'	WESTBOUND RIDGEGATE PARKWAY & CROSSFIELD STREET - NORTHWEST CORNER	STA 173+49.15 OFF 12.09 LT		STANDARD TRAFFIC SIGNAL POLE WITH LUMINAIRE ARM; NO MAST ARM
MA6	30' FUTURE	YES	DOUG 101	20'	EASTBOUND RIDGEGATE PARKWAY & CROSSFIELD STREET- NORTHEAST CORNER	STA 532+76.63 OFF 48.22 LT		TRAFFIC SIGNAL MAST ARM IS NOT TO BE INSTALLED DURING INTERIM CONSTRUCTION
MA7	55'	YES	DOUG 201	20'	EASTBOUND RIDGEGATE PARKWAY & CROSSFIELD STREET- NORTHEAST CORNER	STA 533+03.86 OFF 27.67 LT		
MA8	0'	YES	DOUG 101	20'	EASTBOUND RIDGEGATE PARKWAY & CROSSFIELD STREET- SOUTHEAST CORNER	STA 533+03.60 OFF 41.57RT		STANDARD TRAFFIC SIGNAL POLE WITH LUMINAIRE ARM; NO MAST ARM
MA9	35'	YES	DOUG 101	20'	EASTBOUND RIDGEGATE PARKWAY & CROSSFIELD STREET- SOUTHWEST CORNER	STA 532+21.29 OFF 56.78 RT		
MA10	0'	YES	DOUG 101	20'	EASTBOUND RIDGEGATE PARKWAY & CROSSFIELD STREET- NORTHWEST CORNER	STA 531+83.61 OFF 36.58 LT		STANDARD TRAFFIC SIGNAL POLE WITH LUMINAIRE ARM; NO MAST ARM

FINAL MAST ARM AND SIGNAL POLE DATA

ARM REF. NO.	LENGTH	LUMINAIRE EXTENSION	POLE STANDARD	LUMINAIRE ARM LENGTH	LOCATION (STREET AND APPROACH DIRECTION)	STATION AND OFFSET	ELEVATION	NOTES:
MA3	35'	YES	DOUG 101	20'	WESTBOUND RIDGEGATE PARKWAY & CROSSFIELD STREET - SOUTHWEST CORNER	STA 173+80.85 OFF 80.18 RT		INSTALL WHEN 4TH LEGS OF INTERSECTIONS ARE CONSTRUCTED.
MA6	30'	YES	DOUG 101	20'	EASTBOUND RIDGEGATE PARKWAY & CROSSFIELD STREET - NORTHEAST CORNER	STA 532+76.63 OFF 48.22 LT		

NOTES:

- REFER TO TRAFFIC SIGNAL PLAN SHEETS FOR HEAD PLACEMENT LOCATIONS.
- ALL NEW MAST ARMS SHALL BE STRAIGHT TYPE.
- SIGNAL POLE MANUFACTURER SHALL VERIFY TRAFFIC SIGNAL POLE AND MAST ARM STRUCTURAL DESIGN TO SUPPORT PROPOSED LOADINGS.



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NOTE: FUTURE MAST ARMS (MA3 & MA5) SHALL BE DELIVERED TO THE CITY OF LONE TREE PUBLIC WORKS FACILITY AT 10151 FIRST STREET, LONE TREE, COLORADO 80154 FOR INSTALLATION WHEN FUTURE 4TH LEGS OF INTERSECTIONS ARE CONSTRUCTED.

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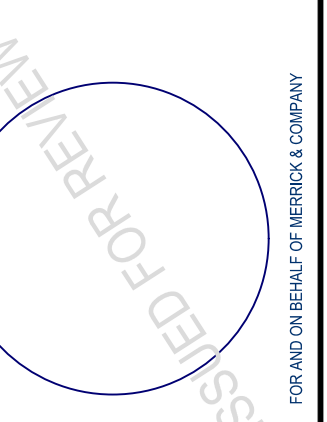
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TMB				
MB				
MB				
MB				

RIDGEGATE EAST FILING NO. 4
STREET AND STORM SEWER
PLANS
TABULATION OF TRAFFIC
SIGNAL ITEMS



JOB NO.: 65121240
DATE: 9/27/2023
SHEET: 41 OF 48

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File Location: \\1122093-01_RidgeGate_Couplet_Signal_Designs\CADD\Traffic\TSDrawings\Third Road\1122093-01FASIG 22634.dwg Plot Date: 9/27/2023 8:59 AM Last Saved By: THOMAS BRICHTWELL

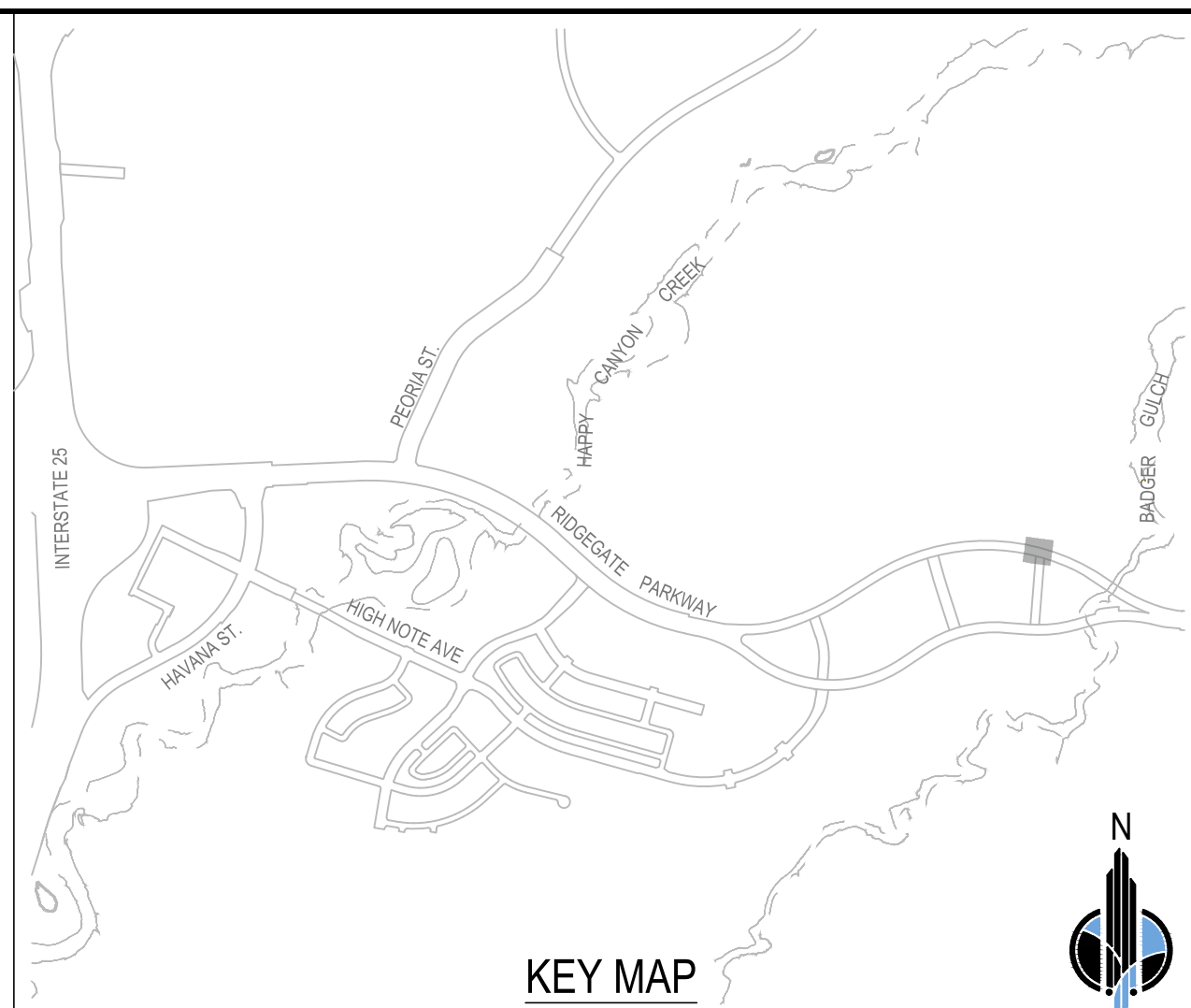
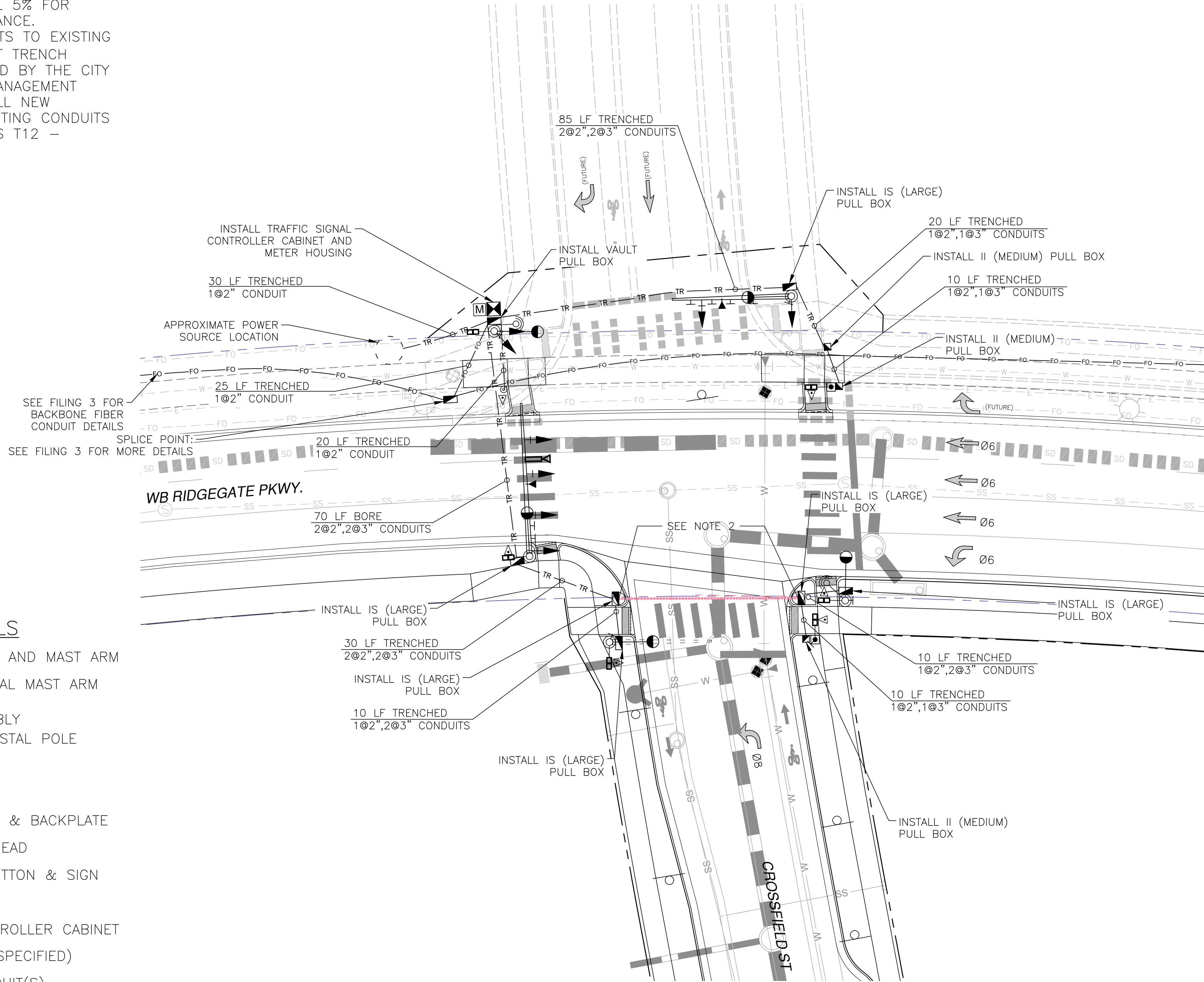
- NOTE:
- CONDUIT LENGTHS REPRESENT THE HORIZONTAL DISTANCE BETWEEN PULL BOXES AND/OR OTHER TRAFFIC SIGNAL INFRASTRUCTURE. QUANTITY ESTIMATES IN THE SUMMARY OF APPROXIMATE QUANTITIES INCLUDE THE NUMBER/SIZE OF CONDUITS, VERTICAL CONDUIT LENGTHS AT THE PULL BOXES/INFRASTRUCTURE AND AN ADDITIONAL 5% FOR HORIZONTAL AND VERTICAL PATHWAY ALLOWANCE.
 - CONTRACTOR SHALL CONNECT NEW CONDUITS TO EXISTING CONDUITS IDENTIFIED IN MERRICK'S CONDUIT TRENCH DETAIL B VIA A SLEEVING METHOD APPROVED BY THE CITY OF LONE TREE OR THEIR CONSTRUCTION MANAGEMENT REPRESENTATIVE. CONTRACTOR SHALL INSTALL NEW TRAFFIC SIGNAL CABLES THROUGH THE EXISTING CONDUITS IDENTIFIED IN CONDUIT TRENCH DETAIL B AS T12 - TRAFFIC SIGNAL

- TRAFFIC SIGNAL SYMBOLS**
- TRAFFIC SIGNAL POLE AND MAST ARM
 - FUTURE TRAFFIC SIGNAL MAST ARM
 - PEDESTRIAN PUSH BUTTON POST ASSEMBLY
 - TRAFFIC SIGNAL PEDESTAL POLE
 - LUMINAIRE
 - TRAFFIC SIGNAL HEAD
 - TRAFFIC SIGNAL HEAD & BACKPLATE
 - PEDESTRIAN SIGNAL HEAD
 - PEDESTRIAN PUSH BUTTON & SIGN
 - TRAFFIC SIGN
 - TRAFFIC SIGNAL CONTROLLER CABINET
 - PULL BOX (SIZE AS SPECIFIED)
 - TRAFFIC SIGNAL CONDUIT(S)
 - FIRE PREEMPTION UNIT
 - GRIDSMART ADVANCED DETECTION CAMERA
 - GRIDSMART DOME CAMERA
 - VEHICLE AND BICYCLE DETECTION ZONES
 - SERVICE METER CABINET



LANE USE ARROWS ARE SHOWN FOR INFORMATION ONLY

FUTURE 4TH LEG OF INTERSECTION



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 6400 South Fiddlers Green Circle, Suite 1500
 Greenwood Village, CO 80111
 Phone: 303.771.1140
 www.FHULVIG.com

DESIGN BY:	RRF	DATE	DRWN/CHKD/APPR
DRAWN BY:	TCB		
CHECKED BY:	XX		
APPROVED BY:	XX		

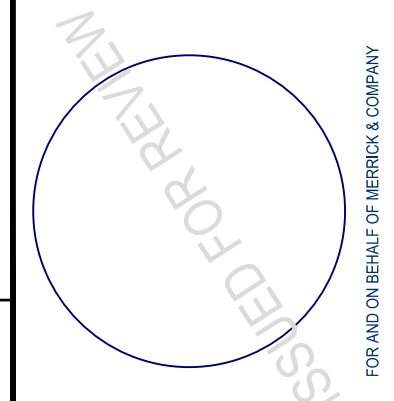
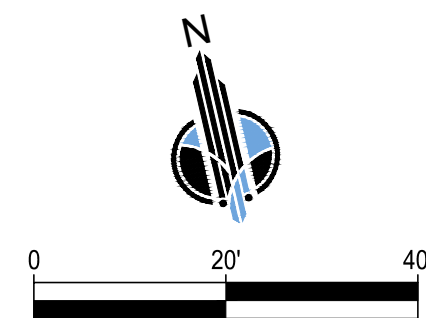
RIDGEGATE EAST FILING NO. 3
 STREET AND STORM SEWER
 PLANS
 INTERIM TRAFFIC
 SIGNAL PLANS

ISIG-2

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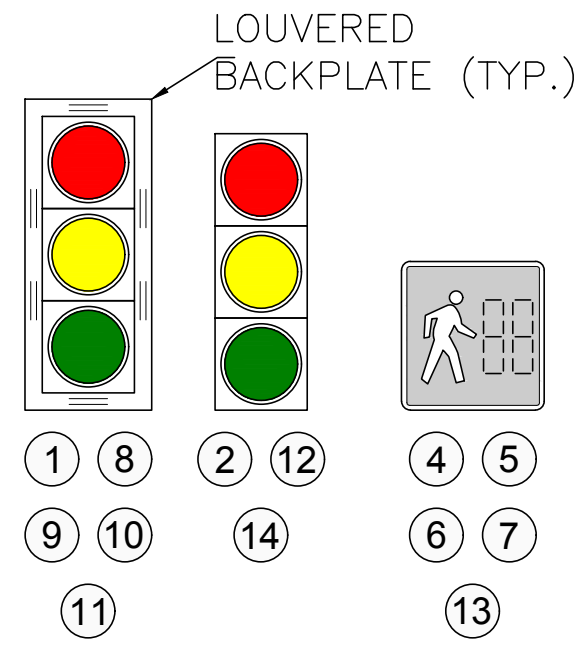


JOB NO.: 65121240
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File Location: \\1122093-01_RidgeGate_Couplet_Signal_Designs\CADD\Traffic\TSD\Drawings\Third Road\1122093-01\FSIG 22634.dwg Plot Date: 9/27/2023 8:59 AM Last Saved By: THOMAS BRIGHTWELL

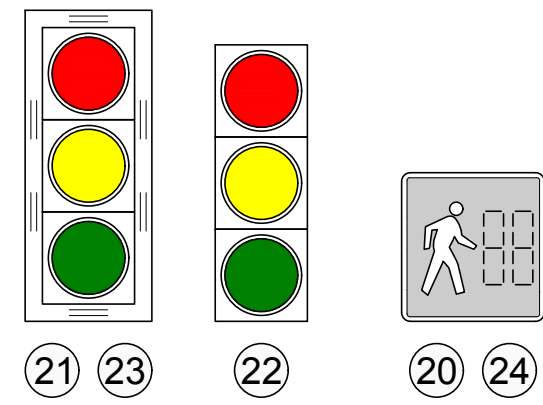
EXISTING TRAFFIC SIGNAL HEADS TO REMAIN



EXISTING TRAFFIC SIGNAL HEADS TO BE REMOVED OR RESET



NEW TRAFFIC SIGNAL HEADS

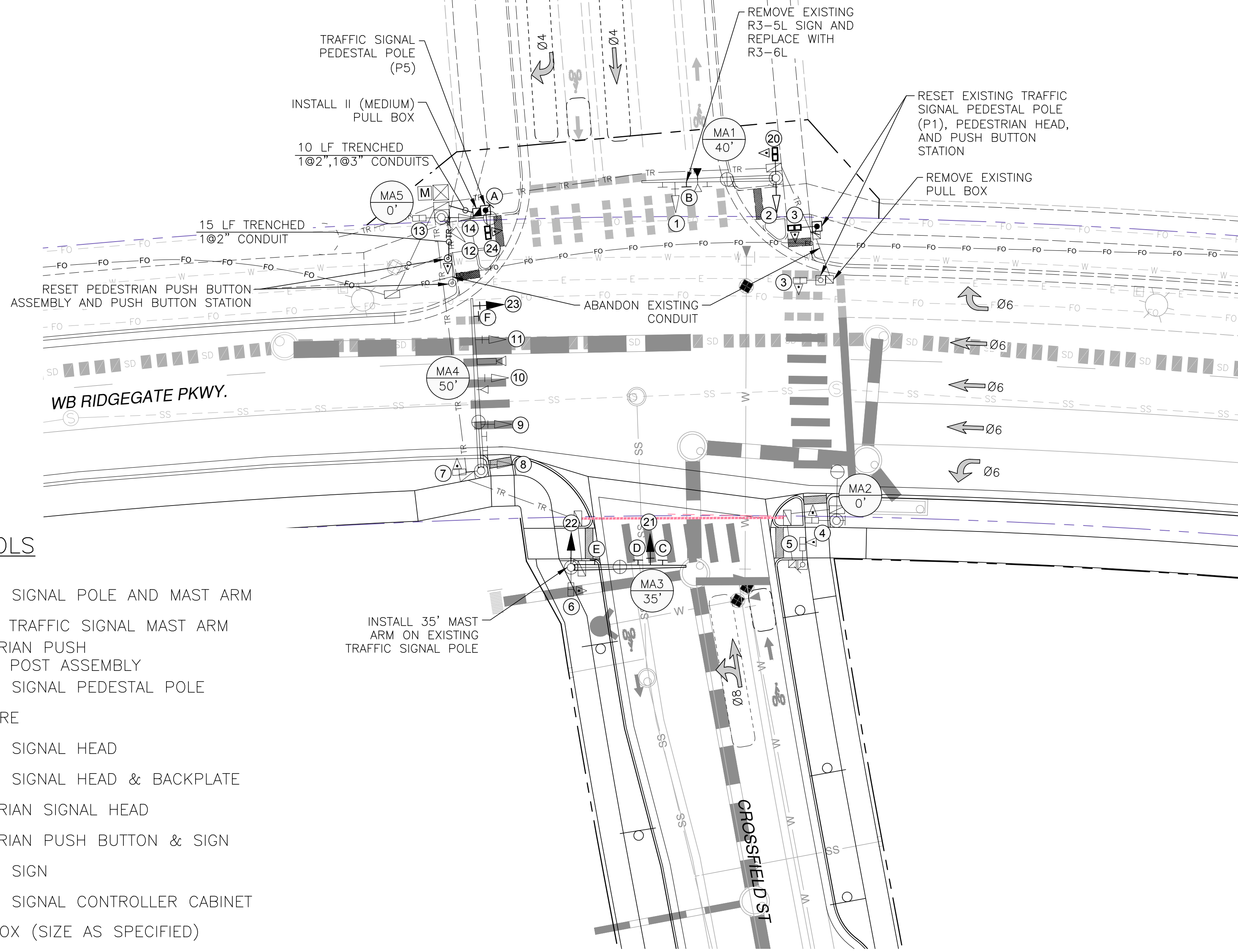


TRAFFIC SIGNAL SYMBOLS

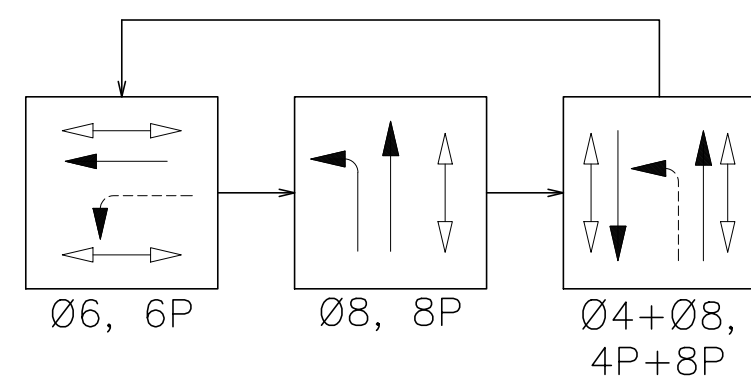
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		FUTURE TRAFFIC SIGNAL MAST ARM
		PEDESTRIAN PUSH BUTTON POST ASSEMBLY
		TRAFFIC SIGNAL PEDESTAL POLE
		LUMINAIRE
		TRAFFIC SIGNAL HEAD
		TRAFFIC SIGNAL HEAD & BACKPLATE
		PEDESTRIAN SIGNAL HEAD
		PEDESTRIAN PUSH BUTTON & SIGN
		TRAFFIC SIGN
		TRAFFIC SIGNAL CONTROLLER CABINET
		PULL BOX (SIZE AS SPECIFIED)
		TRAFFIC SIGNAL CONDUIT(S)
		FIRE PREEMPTION UNIT
		GRIDSMART ADVANCED DETECTION CAMERA
		GRIDSMART DOME CAMERA
		VEHICLE AND BICYCLE DETECTION ZONES
		SERVICE METER CABINET

LANE USE ARROWS ARE SHOWN FOR INFORMATION ONLY

NOTE: CONDUIT LENGTHS REPRESENT THE HORIZONTAL DISTANCE BETWEEN PULL BOXES AND/OR OTHER TRAFFIC SIGNAL INFRASTRUCTURE. QUANTITY ESTIMATES IN THE SUMMARY OF APPROXIMATE QUANTITIES INCLUDE THE NUMBER/SIZE OF CONDUITS, VERTICAL CONDUIT LENGTHS AT THE PULL BOXES/INFRASTRUCTURE AND AN ADDITIONAL 5% FOR HORIZONTAL AND VERTICAL PATHWAY ALLOWANCE.



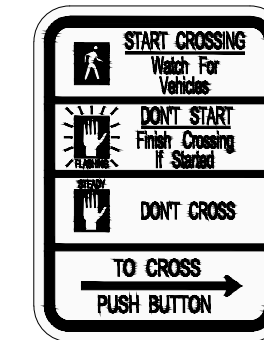
SIGNAL PHASING DIAGRAM



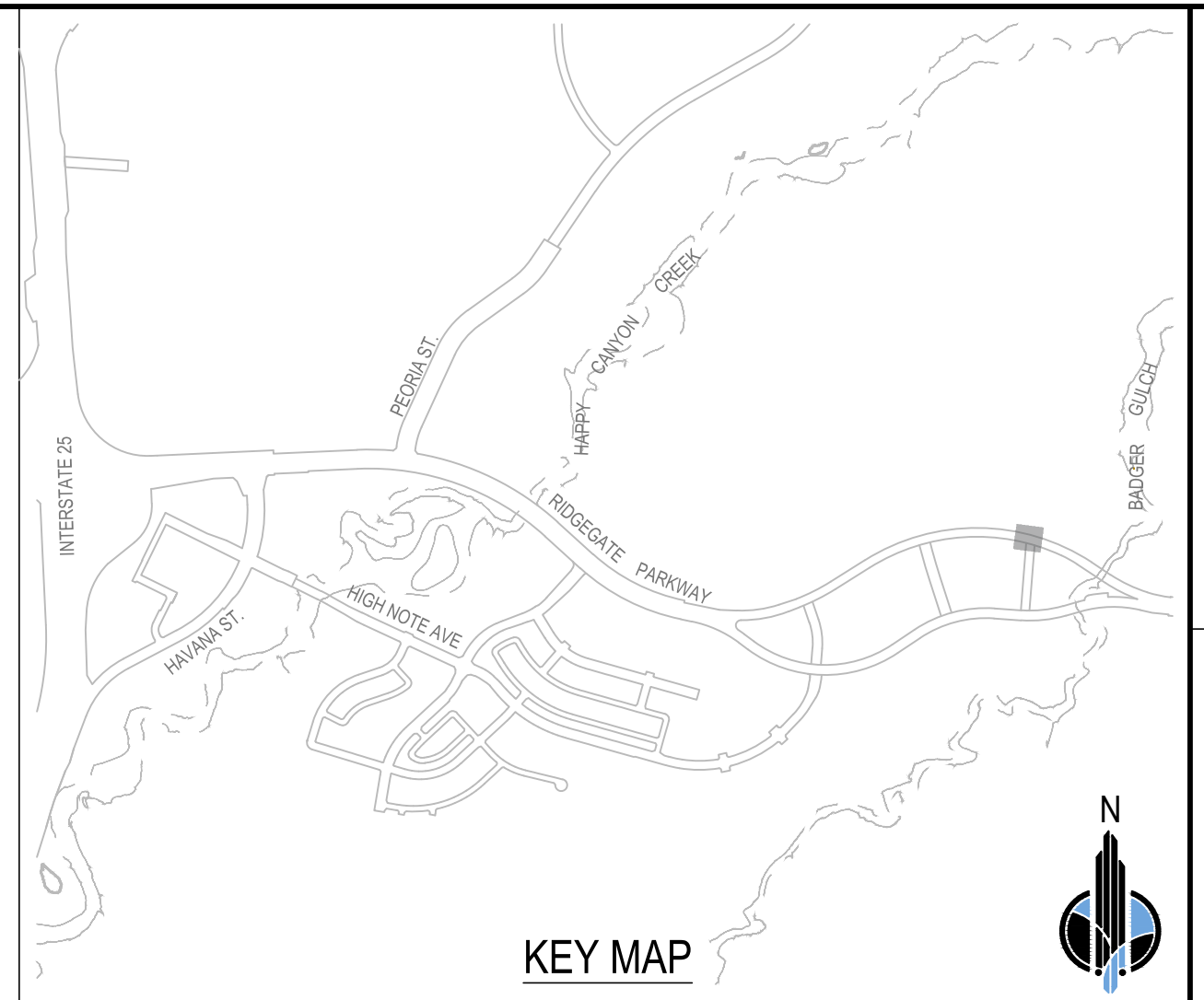
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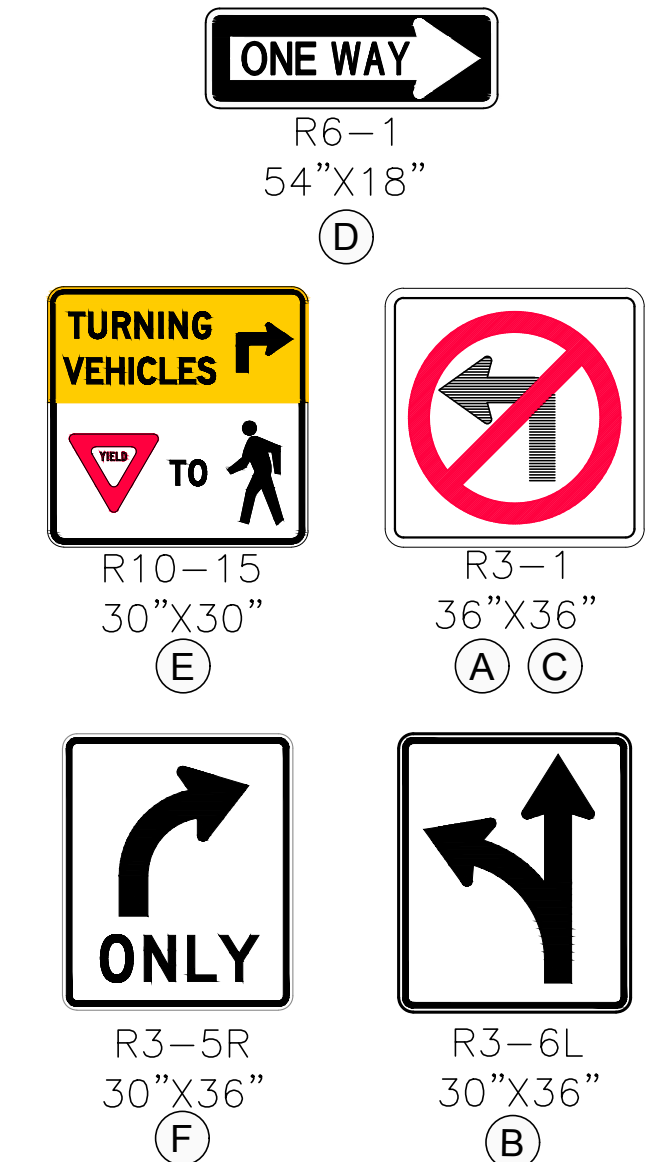
PEDESTRIAN PUSH BUTTON STATIONS



R10-3b
9"x12"
1 - RIGHT ARROW
1 - LEFT ARROW



TRAFFIC SIGNS



FSIG-1

City of Lone Tree
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Engineering Division Acceptance Block

FELSBUrg HOLT & ULLEVIG
6400 South Fiddlers Green Circle, Suite 1500
Greenwood Village, CO 80111
Phone: 303.771.1140
www.FHULVIG.com

REV	REVISION DESCRIPTION	DATE	DRWN/CHKD/APPR

RIDGEGATE EAST FILING NO. 3
STREET AND STORM SEWER
PLANS
FINAL TRAFFIC
SIGNAL PLANS

ISSUED FOR REVIEW
FOR AND ON BEHALF OF HERRICK & COMPANY

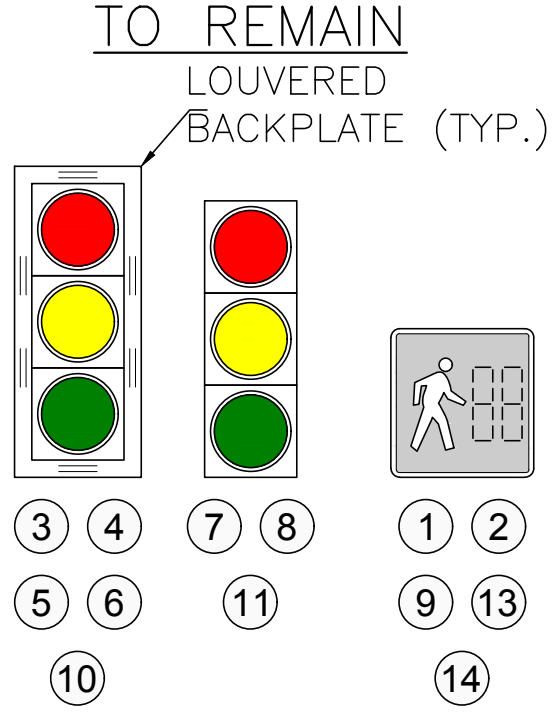
JOB NO.: 65121240
DATE: 9/27/2023
SHEET: 47 OF 48



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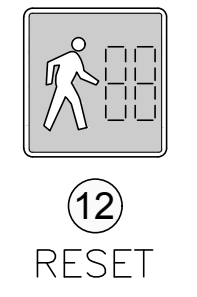
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EXISTING TRAFFIC SIGNAL HEADS TO REMAIN

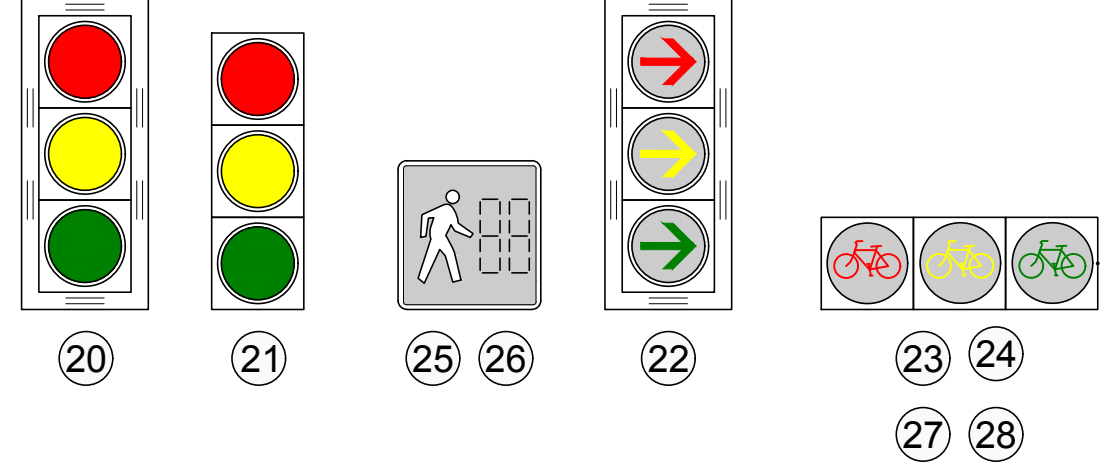


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EXISTING TRAFFIC SIGNAL HEADS TO BE REMOVED OR RESET



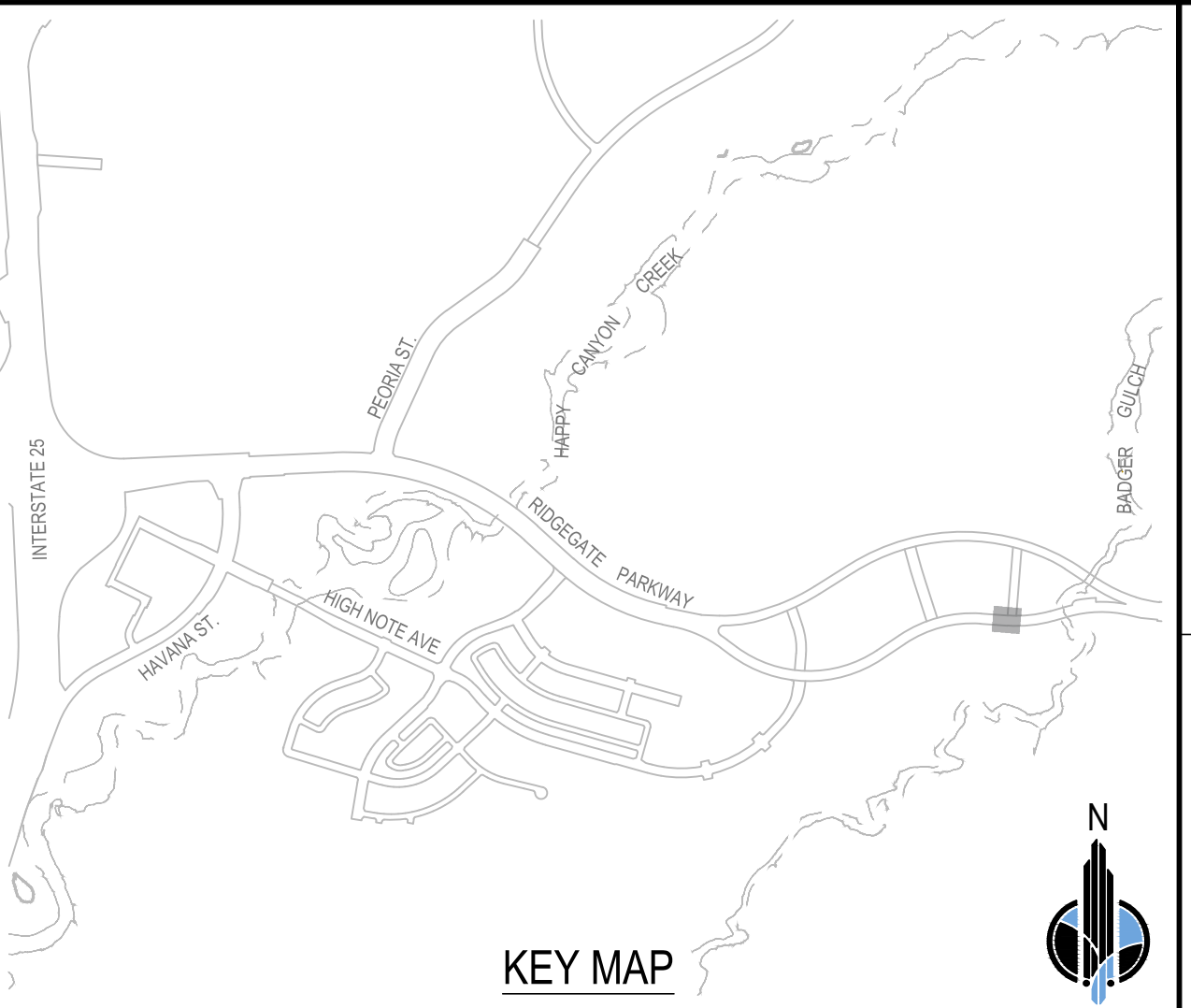
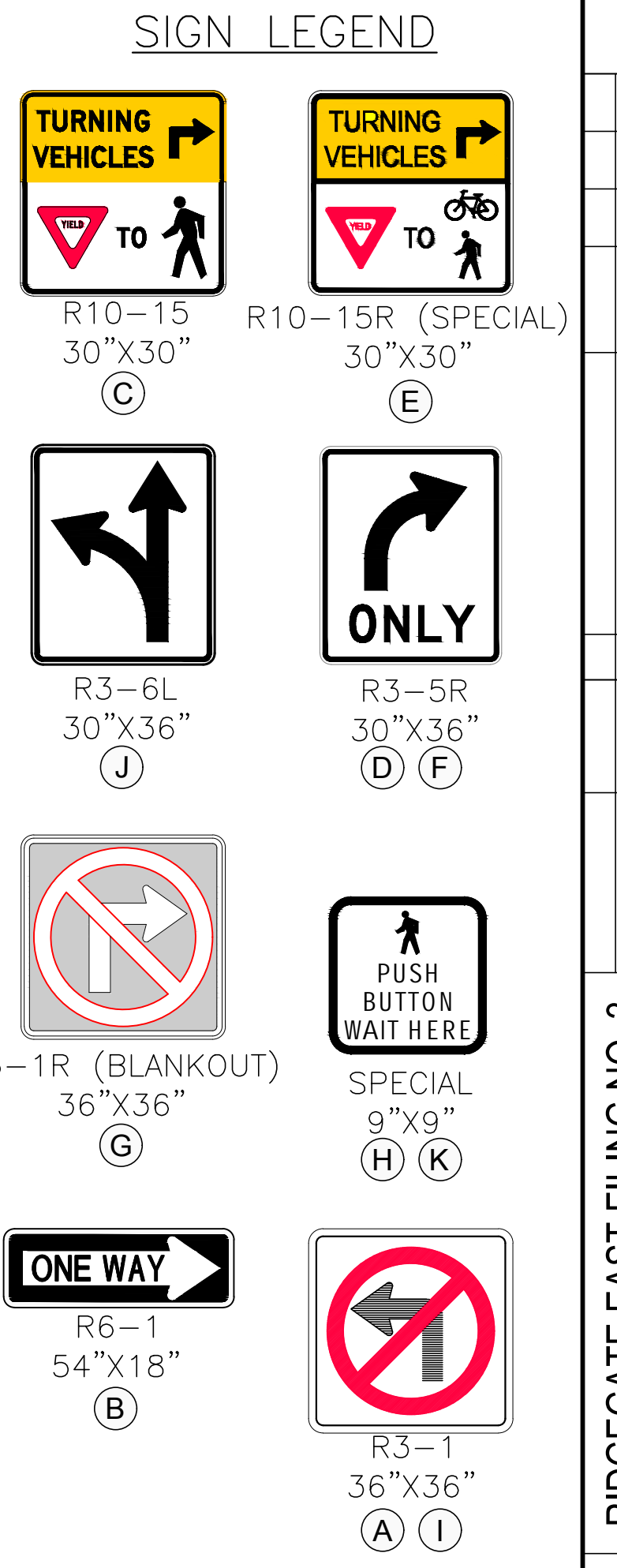
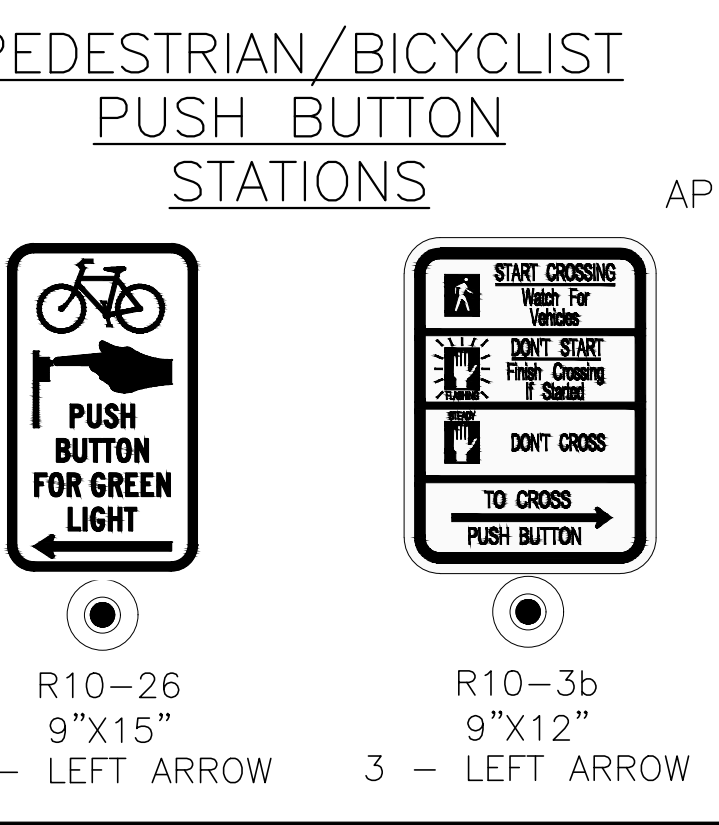
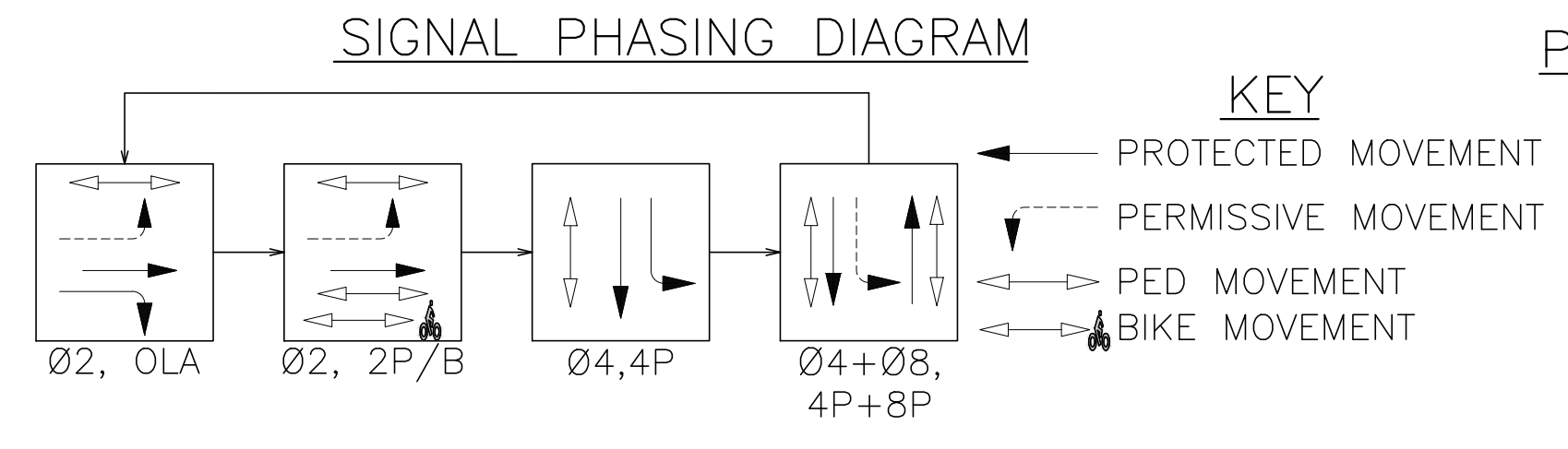
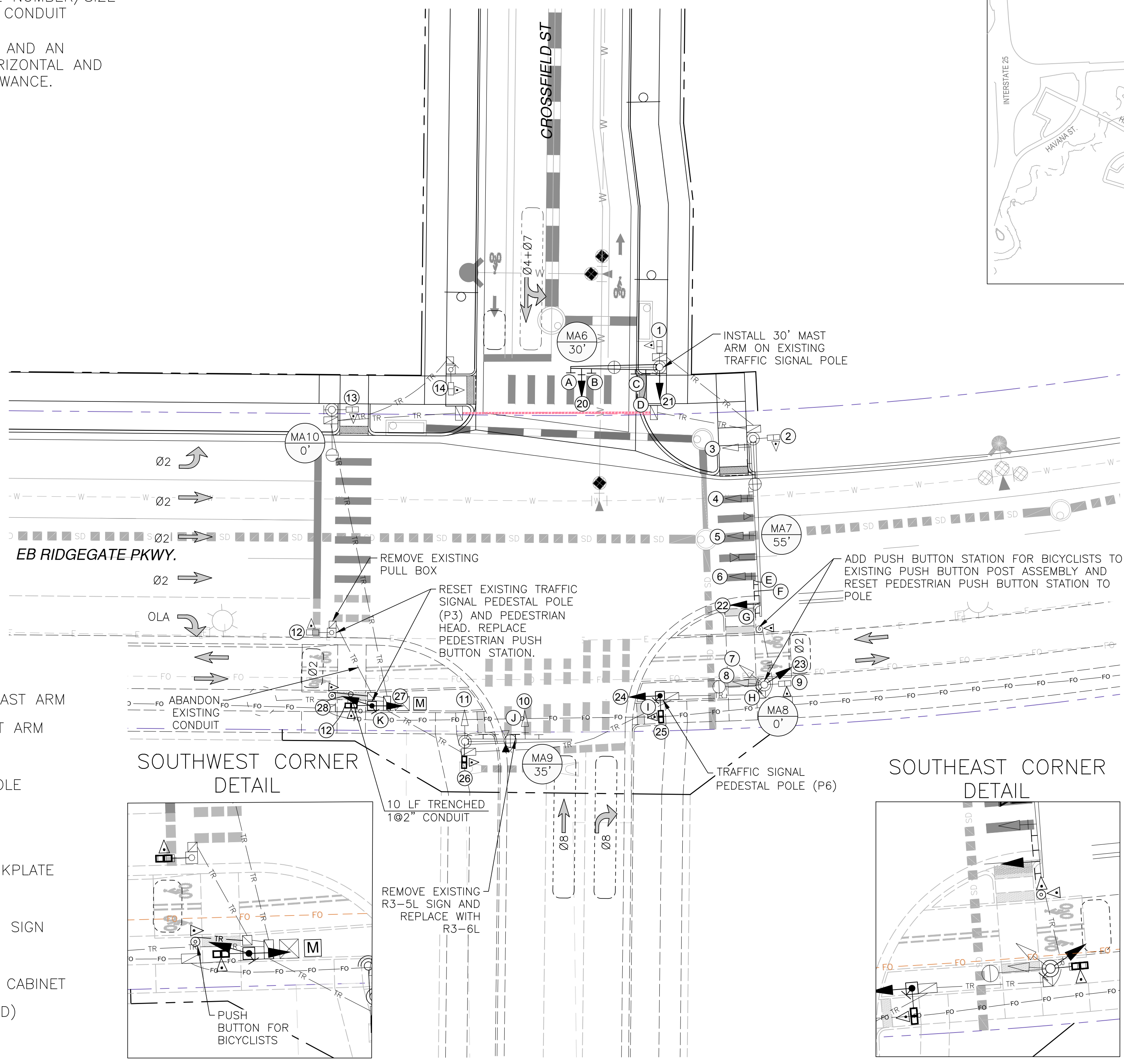
NEW TRAFFIC SIGNAL HEADS



TRAFFIC SIGNAL SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		TRAFFIC SIGNAL POLE AND MAST ARM
		FUTURE TRAFFIC SIGNAL MAST ARM
		PEDESTRIAN PUSH BUTTON POST ASSEMBLY
		TRAFFIC SIGNAL PEDESTAL POLE
		LUMINAIRE
		TRAFFIC SIGNAL HEAD
		TRAFFIC SIGNAL HEAD & BACKPLATE
		PEDESTRIAN SIGNAL HEAD
		PEDESTRIAN PUSH BUTTON & SIGN
		TRAFFIC SIGN
		TRAFFIC SIGNAL CONTROLLER CABINET
		PULL BOX (SIZE AS SPECIFIED)
		TRAFFIC SIGNAL CONDUIT(S)
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RIDGEGATE EAST FILING NO. 3
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