

CITY OF GRAND JUNCTION

SAFE ROUTES TO SCHOOL – ELLA STREET

December 24, 2025



SHEET INDEX

- 1 COVER
- 2 STANDARD ABBREVIATIONS LEGENDS AND SYMBOLS
- 3 SUMMARY OF APPROXIMATE QUANTITIES
- 4 TYPICAL SECTION
- 5 PARCEL MAP
- 6 REMOVAL PLAN
- 7 IMPROVEMENT PLAN
- 8 CROSS SECTIONS
- 9 STAKING PLAN

VICINITY MAP



*Engineering and
Transportation Department*

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE COVER SHEET WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

REVISION	DESCRIPTION	DATE
REVISION		
REVISION		
REVISION		



Know what's below.
Call before you dig.

ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
ABC	AGGREGATE BASE COURSE
AC	ASBESTOS CEMENT
AP	ANGLE POINT
ASB	ANCHORED STRAW BALES
ASP	ALUMINIZED STEEL PIPE
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC	BACK OF CURB
BF	BUTTERFLY VALVE
BOW	BACK OF WALK
BCR	BEGIN CURB RETURN
BOT	BOTTOM
BSWMP	BETTER STORM WATER MANAGEMENT PRACTICES
CH	CHORD
CAP	CORRUGATED ALUMINUM PIPE
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION
CI	CAST IRON
C.G.& SW	CURB, GUTTER & SIDEWALK
CL	CENTER LINE
CL	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
COMB	COMBINATION (AS IN STORM SEWER AND SANITARY SEWER)
CONC	CONCRETE
CSM	CITY SURVEY MONUMENT
CSP	CORRUGATED STEEL PIPE
CU	COPPER
DI	DUCTILE IRON
DWY	DRIVEWAY
E	ELECTRIC
ECR	END CURB RETURN
EG	EDGE OF GUTTER
EL	ELEVATION
EP	EDGE OF PAVEMENT
EX	EXISTING
FB	FULL BODY
FC	FACE OF CURB
FG	FINISHED GRADE
F	FLOW LINE
FL	FLANGE
FM	FORCE MAIN
FO	FIBER OPTICS
FS	FAR SIDE
FTG	FOOTING
G	GAS
GB	GRADE BREAK
GM	GAS METER
GV	GATE VALVE
HBP	HOT BITUMINOUS PAVEMENT
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
IRR	IRRIGATION
L	LENGTH OF ARC
LC	LONG CHORD
LF	LINEAR FEET
LL	LONG ARC
LS	SHORT ARC
LT	LEFT
MB	MAILBOX
MCSM	MESA COUNTY SURVEY MONUMENT
MH	MANHOLE
MJ	MECHANICAL JOINT
MW	MILL WRAP
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOP	NO ONE PERSON
NRCP	NON-REINFORCED CONCRETE PIPE
NS	NEAR SIDE
NTS	NOT TO SCALE
OHP	OVERHEAD POWER
OHT	OVERHEAD TELEPHONE
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PE	POLYETHYLENE
PERF	PERFORATED
PI	POINT OF INTERSECTION
PIP	PLASTIC IRRIGATION PIPE
POC	POINT ON CURVE
POT	POINT ON TANGENT
PR	PROPOSED
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
RG	RESTRAINED GLANDS
RL	LONG RADIUS
ROW	RIGHT OF WAY
RP	RADIUS POINT
RR	RAIL ROAD
RS	SHORT RADIUS
RT	RIGHT
S	SLOPE
SAN	SANITARY
SC	SHORT CHORD
SCD	STANDARD CONTRACT DOCUMENTS
SCH	SCHEDULE
SF	SILT FENCE
SL	SECTION LINE
SSRB	STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION
SSUU	STANDARD SPECIFICATIONS FOR CONSTRUCTION OF UNDERGROUND UTILITIES
STA	STATION
STL	STEEL
STM	STORM
T	TELEPHONE
TAN	LENGTH OF TANGENT
TC	TOP OF CURB
TH	TEST HOLE
TV	TELEVISION
(TYP)	TYPICAL
UU	UNDERGROUND UTILITIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VPC	VERTICAL POINT OF CURVATURE
VPCC	VERTICAL POINT OF COMPOUND CURVATURE
VPRC	VERTICAL POINT OF REVERSE CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY

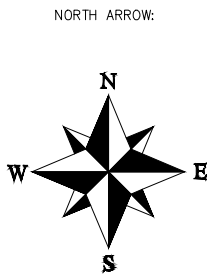
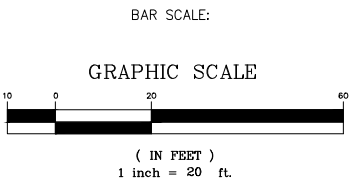
LEGEND

BSWMP	
DRAINAGE BASIN BOUNDARY	
BSWMP	
ANCHORED STRAW BALES	ASB ASB ASB
BSWMP	
SILT FENCE	SF SF SF
BUILDING	
CONCRETE CURB AND GUTTER	2' CURB AND GUTTER
	7' C. G. & SW
CONCRETE CURB,GUTTER, & SIDEWALK	
CONCRETE DITCH	CONCRETE
CONCRETE SIDEWALK	4' SW
CULVERT	18" RCP
EARTH DITCH	EARTH
EDGE OF GRAVEL	
EDGE OF PAVEMENT	
FENCE (HT & MATL NOTED)	6' CHAINLINK
GUARD RAIL	
HATCHING: INDICATES ASPHALT REMOVAL	
HATCHING: INDICATES CONCRETE REMOVAL	
HATCHING: INDICATES STAGING AREA	*STAGING AREA*
LINE (CENTER OF IMPROVEMENTS)	CENTERLINE
LINE (CITY LIMITS)	CITY LIMITS
LINE (CONTROL)	CONTROL LINE
LINE (EASEMENT)	
LINE (MONUMENT/SECTION)	MONUMENT/SECTION LINE
LINE (PROPERTY)	
LINE (RIGHT OF WAY)	
MATCH LINE	MATCH LINE
PIPE (IRRIGATION)	
PIPE (SIPHON)	

PROPOSED CONCRETE CURB AND GUTTER	
PROPOSED CONCRETE CURB,GUTTER,& SIDEWALK	
PROPOSED CONCRETE SIDEWALK	
PROPOSED "WET" UTILITIES (CONSTRUCTION NOTE WILL INDICATE TYPE, SIZE, AND MATERIAL OF NEW MAIN)	8" PVC SANITARY SEWER
ALL PROPOSED FEATURES NOT SHOWN IN LEGEND WILL BE SHOWN THE SAME AS THEIR EXISTING COUNTERPART, BUT INDICATED BY BOLDER LINETYPE	
RAIL ROAD	
RETAINING WALL	1' RETAINING WALL
STRIPING (CONTINUOUS WHITE)	WHITE
STRIPING (DASHED WHITE)	WHITE
STRIPING (CONTINUOUS YELLOW)	YELLOW
STRIPING (DASHED YELLOW)	YELLOW
TOP OF SLOPE	4580
CONTOUR LINES (SHOWN BETWEEN TOP & TOE)	4570
TOE OF SLOPE	
TRAFFIC DETECTOR LOOP	
UTILITY LINE (ABANDON) (THIS CASE A WATER LINE)	(ABANDONED)
UTILITY LINE (CABLE TV)	TV TV
UTILITY LINE (ELECTRIC)	E E
UTILITY LINE (FIBER OPTIC)	FO QWEST FO
UTILITY LINE (GAS)	G 1.1/4" MW G
UTILITY LINE (HIGH VOLTAGE OVERHEAD POWER)	HVHWP
UTILITY LINE (OVERHEAD POWER)	OHP
UTILITY LINE (OVERHEAD TELEPHONE)	OHT
UTILITY LINE (SANITARY SEWER)	8" SAN
UTILITY LINE (SANITARY SEWER FORCE MAIN)	8" FM
UTILITY LINE (SANITARY SEWER SERVICE)	SS
UTILITY LINE (STORM SEWER)	8" STM
UTILITY LINE (STORM SEWER, PERFORATED)	8" PERF
UTILITY LINE (STORM/SANITARY SEWER SEWER COMBINATION)	18" COMB
UTILITY LINE (TELEPHONE)	T T
UTILITY LINE (WATER)	W 8" W

SYMBOLS

BENCH MARK	A
CATCH BASIN	BBB
CLEAN OUT	SSGO
CURB STOP	◄
FIRE HYDRANT	⊕
GUY WIRE ANCHOR	→
HEADGATE	田
IRRIGATION PUMP	田
MAILBOX	MB
MANHOLE (ELECTRIC)	ⓔ
MANHOLE (GAS)	ⓖ
MANHOLE (SANITARY/STORM)	○
MANHOLE (TELEPHONE)	Ⓣ
MANHOLE (WATER)	Ⓦ
METER (GAS)	ⓖ
METER (WATER)	○
PEDESTAL (TELEPHONE)	△
PEDESTAL (TV)	△TV
PROPERTY PIN	Pin
PULL BOX	☒
REDUCER FITTING	◄
SIGN OR POST (SIGN TYPE NOTED)	↑STOP
SPRINKLER HEAD	⊗
STREET LIGHT	○-○
SURVEY MONUMENT (CITY)	CSM
SURVEY MONUMENT (TYPE NOTED)	MCSM
TEST HOLE	TH #1
TRAFFIC PAINT MARKING	➡
TRAFFIC SIGNAL POLE AND MAST ARM	☒
UTILITY POLE	○
VALVE (GAS)	ⓖ
VALVE (IRRIGATION)	ⓖ
VALVE (WATER)	Ⓦ
VEGETATION (HEDGE OR BUSH)	☁
VEGETATION (TREE STUMP)	☼
VEGETATION (TREE) (CALIPER SIZE NOTED)	6"
WATER HYDRANT	⊕
WEIR	≡
YARD LIGHT	☼



REVISION	DESCRIPTION	DATE	DRAWN BY	MAC	DATE	2025
REVISION			DESIGNED BY	MAC	DATE	2025
REVISION			CHECKED BY	LF	DATE	2025
REVISION			APPROVED BY	LF	DATE	2025

SCALES:

NO SCALE



ENGINEERING AND
TRANSPORTATION DEPARTMENT

PROJECT NO. C1071

SAFE ROUTES TO SCHOOL – ELLA
STANDARD ABBREVIATIONS, LEGENDS, AND SYMBOLS

December 24, 2025

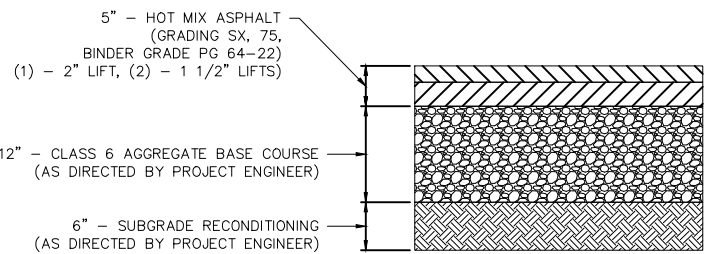
ITEM NO.	CDOT / CITY REF.	DESCRIPTION	QUANTITY	UNIT
1	201	Clearing and Grubbing	1	LS
2	202	Tree Trimming (216 Lilac Lane)	1	LS
3	202	Removal of Existing Concrete (Includes Curb & Gutter, Sidewalk & Pavement)	14	SY
4	202	Removal of Asphalt Mat (Full Depth)	101	SY
5	202	Removal of Asphalt Mat (Planing)(2" Depth)	46	SY
6	203	Unclassified Excavation (Complete in Place)	36	CY
7	203	Unclassified Embankment (Complete in Place)	20	CY
8	203	Muck Excavation (Subgrade Stabilization as directed by Project Engineer)	20	CY
9	207	Topsoil (4" Depth)	10	CY
10	208	Erosion Control (Complete in Place)	1	LS
11	208	Concrete Washout Facility	1	EA
12	304	Class 3 Aggregate Base Course (Subgrade Stabilization as directed by Project Engineer)	18	TON
13	304	Aggregate Base Course (Class 6)	71	TON
14	306	Reconditioning (6" Deep)	182	SY
15	401	Hot Mix Asphalt (5" Thick) (Grading SX, 75 Binder Grade, PG 64-22) (One (1) - 3" Lift & Two (2) - 1 1/2" Lifts)	13.05	TON
16	401	Hot Mix Asphalt (2" & Variable Thickness) (Grading SX, 75 Binder Grade, PG 64-22) (One (1) - 2" Lift)	5.04	TON
17	420	Geotextile Separator (CI 2) (Subgrade Stabilization as directed by Project Engineer)	5647	SY
18	608	Monolithic Drive Over Concrete Curb, Gutter & Sidewalk (6") (City of Grand Junction Std. Detail C-03)	118	SY
20	608	Concrete Curb Ramp (Per CDOT M&S Std. Plan M-608-1, Sht. 5)	17	SY
21	608	Detectable Warnings (Per CDOT M&S Std. Plan M-608-1, Sht. 9)	2	EA
22	620	Sanitary Facility	1	LS
23	625	Construction Surveying (Includes As-Built Drawings)	1	LS
24	626	Mobilization	1	LS
25	630	Traffic Control (Complete in Place)	1	LS
MCR		Minor Contract Revisions		

REVISION 	DESCRIPTION	DATE	DRAWN BY	MAC	DATE	2025	SCALES:
REVISION 			DESIGNED BY	MAC	DATE	2025	NO SCALE
REVISION 			CHECKED BY	LF	DATE	2025	
REVISION 			APPROVED BY	LF	DATE	2025	



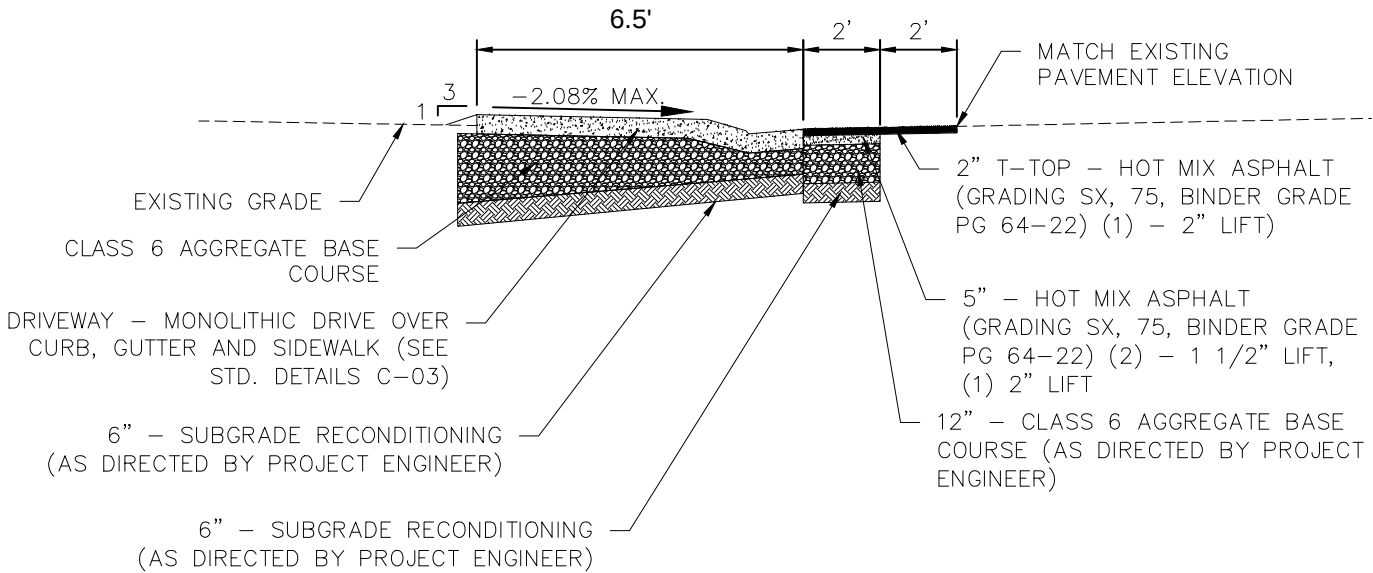
ENGINEERING AND
TRANSPORTATION DEPARTMENT
PROJECT NO. C1071

SAFE ROUTES TO SCHOOL – ELLA
QUANTITIES
December 24, 2025

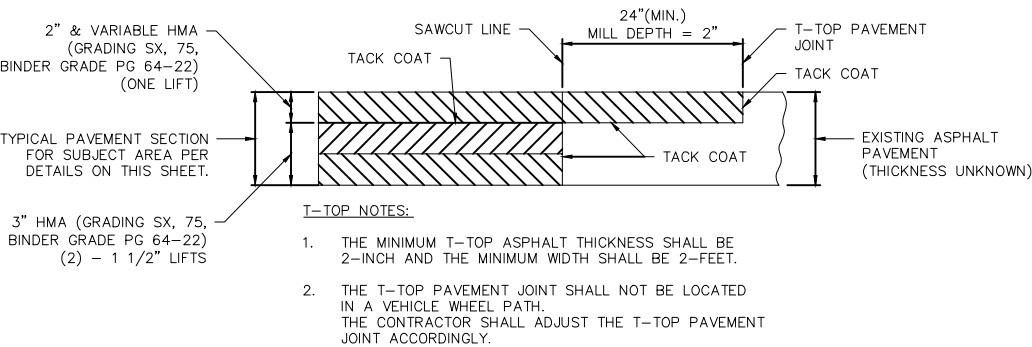


TYPICAL ASPHALT PAVEMENT SECTION

(SEE IMPROVEMENT PLANS FOR EXTENTS OF THIS ASPHALT PAVEMENT DETAIL)



TYPICAL SIDEWALK SECTION



T-TOP DETAIL

(SEE IMPROVEMENT PLANS FOR EXTENTS OF THIS T-TOP DETAIL)

REVISION	DESCRIPTION	DATE	DRAWN BY	XXX	DATE	202X
REVISION			DESIGNED BY	XXX	DATE	202X
REVISION			CHECKED BY	XXX	DATE	202X
REVISION			APPROVED BY	XXX	DATE	202X

SCALES:
NO SCALE



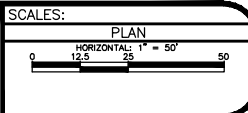
ENGINEERING AND
TRANSPORTATION DEPARTMENT
PROJECT NO. C1071

SAFE ROUTES TO SCHOOL – ELLA
ROADWAY DETAILS
December 24, 2025



PARCEL DESIGNATION	PARCEL NO.	PARCEL OWNER	PARCEL ADDRESS
PARCEL 01	2945-101-04-008	LUCERO JOSE U	305 RIDGEWOOD LN GRAND JUNCTION, CO. 81505
PARCEL 02	2945-101-03-004	BOU-MATAR OMAR W	2120 ELLA ST. GRAND JUNCTION, CO. 81505
PARCEL 03	2945-101-04-007	STOREY ROBERT W	308 LILAC LN. GRAND JUNCTION, CO. 81505
PARCEL 04	2945-101-03-001	MCKEE MELVIN R	216 LILAC LN. GRAND JUNCTION, CO. 81505

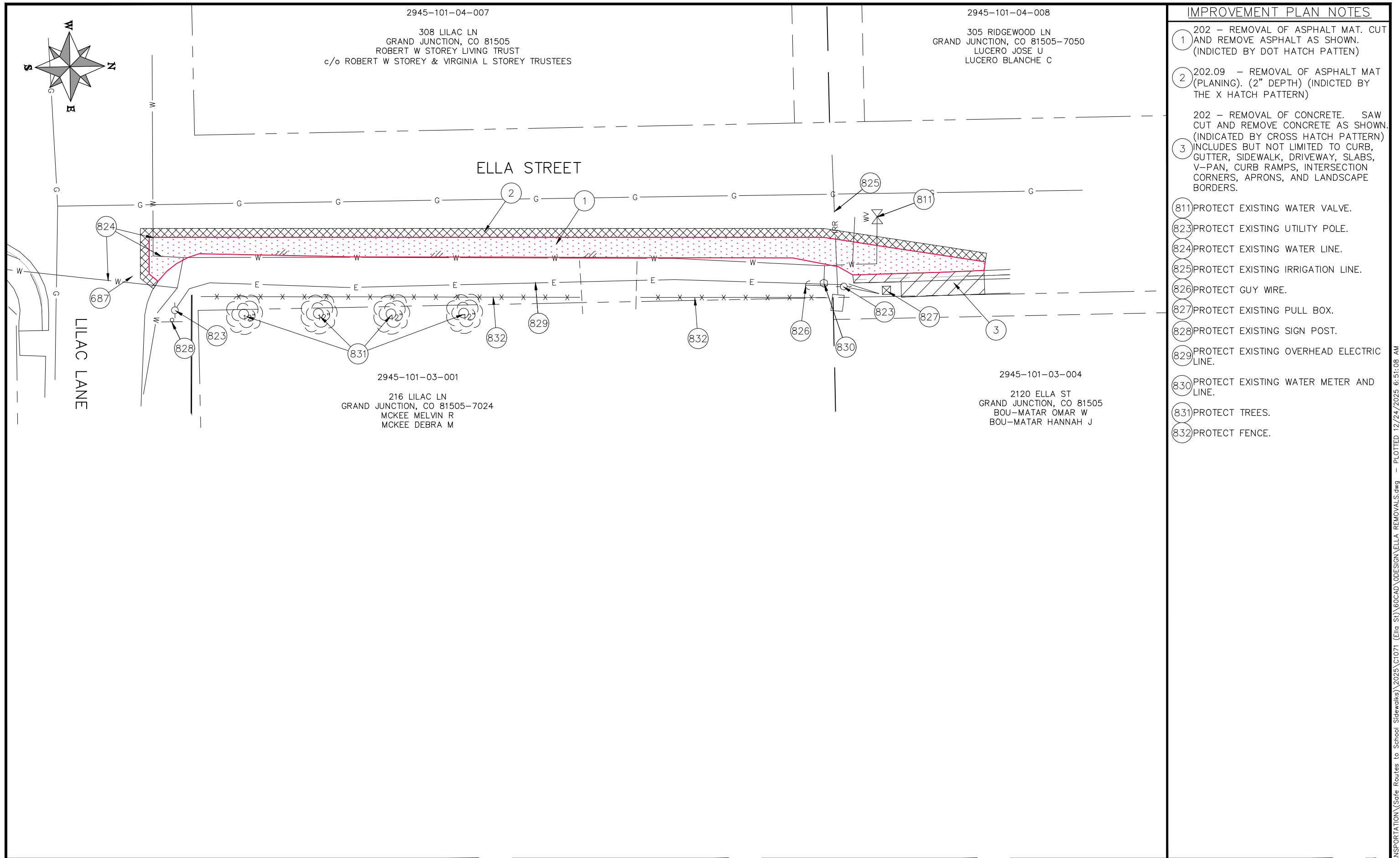
REVISION	DESCRIPTION	DATE	DRAWN BY	MAC	DATE	2025
REVISION			DESIGNED BY	MAC	DATE	2025
REVISION			CHECKED BY	LF	DATE	2025
REVISION			APPROVED BY	LF	DATE	2025



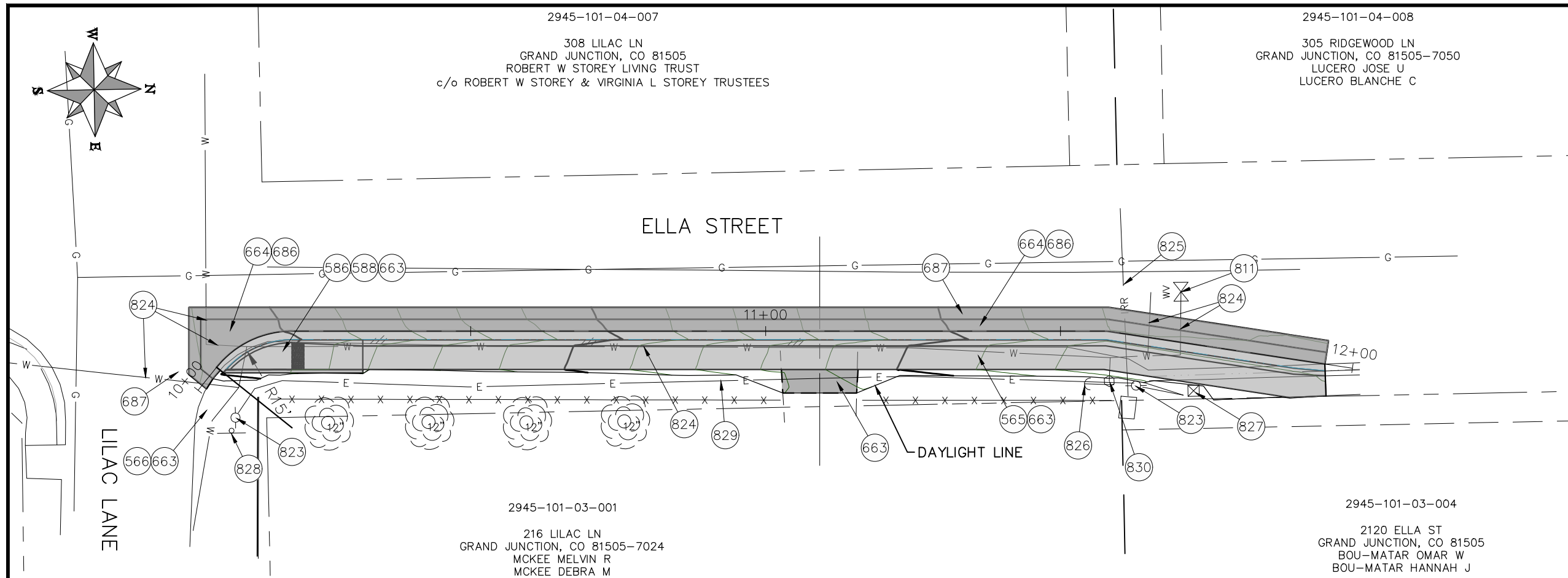
ENGINEERING AND
TRANSPORTATION DEPARTMENT

PROJECT NO. C1071

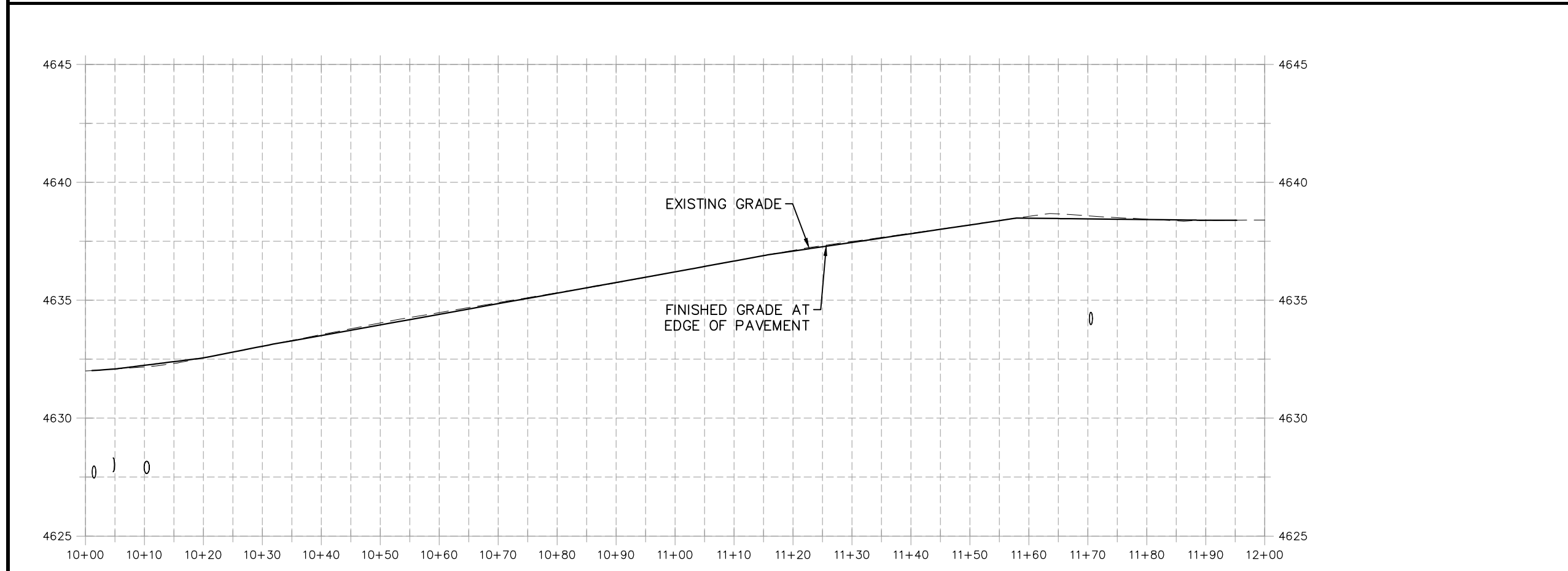
SAFE ROUTES TO SCHOOL – ELLA
PARCEL MAP
December 24, 2025

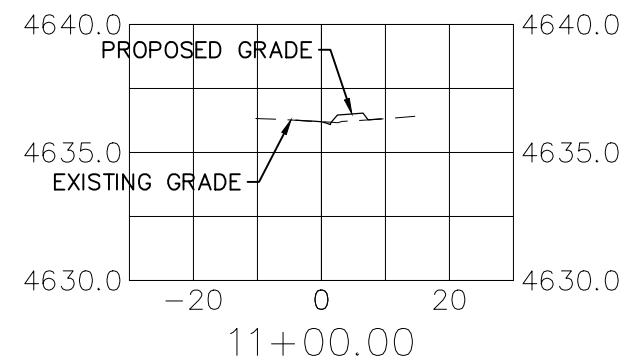
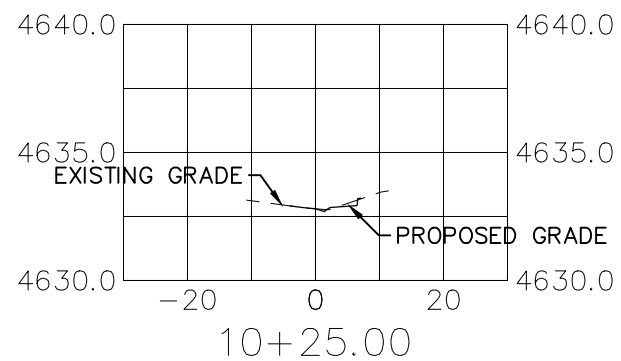
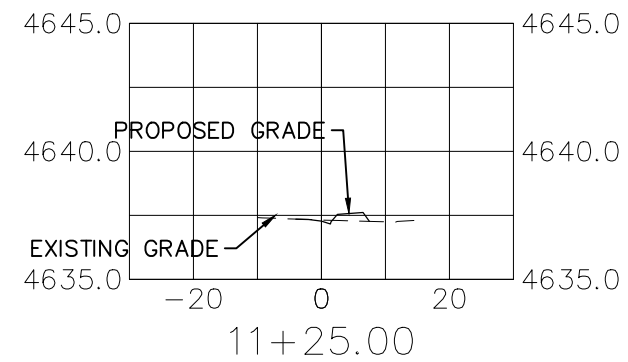
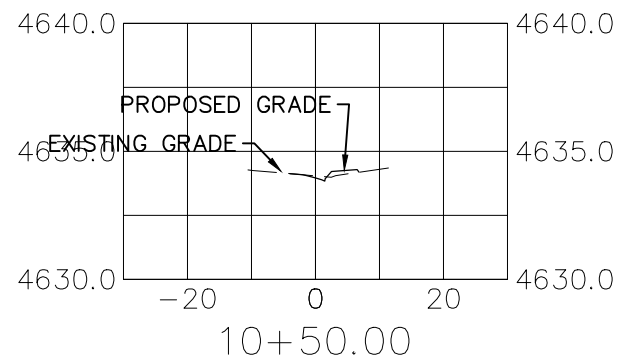
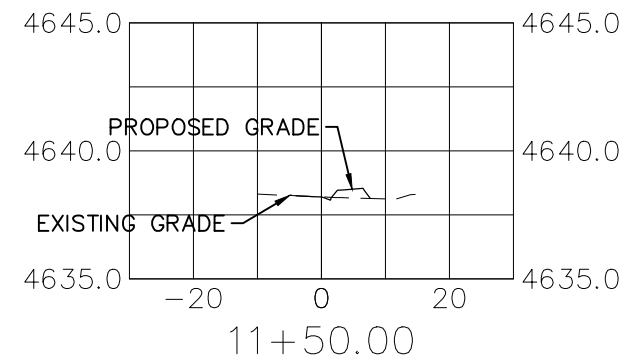
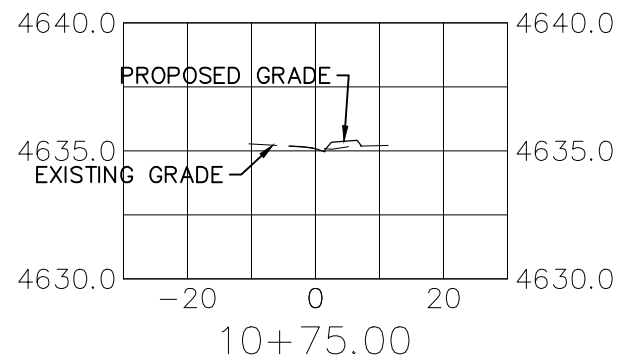


- IMPROVEMENT PLAN NOTES**
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICTED BY DOT HATCH PATTEN)
 - 2 202.09 - REMOVAL OF ASPHALT MAT (PLANING). (2" DEPTH) (INDICTED BY THE X HATCH PATTERN)
 - 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
- 811 PROTECT EXISTING WATER VALVE.
 - 823 PROTECT EXISTING UTILITY POLE.
 - 824 PROTECT EXISTING WATER LINE.
 - 825 PROTECT EXISTING IRRIGATION LINE.
 - 826 PROTECT GUY WIRE.
 - 827 PROTECT EXISTING PULL BOX.
 - 828 PROTECT EXISTING SIGN POST.
 - 829 PROTECT EXISTING OVERHEAD ELECTRIC LINE.
 - 830 PROTECT EXISTING WATER METER AND LINE.
 - 831 PROTECT TREES.
 - 832 PROTECT FENCE.



- ### IMPROVEMENT PLAN NOTES
- 565 CONCRETE MONOLITHIC DRIVE OVER CURB, GUTTER, AND SIDEWALK PER CITY OF GRAND JUNCTION STD. CONCRETE DETAIL C-03.
 - 566 CONCRETE VERTICAL CURB AND GUTTER PER CITY OF GRAND JUNCTION STD. CONCRETE DETAIL C-05.
 - 586 CONCRETE CURB RAMP WITH VERTICAL CURB (15 FT. RADIUS) TYPE 2 SMALL RADIUS CURB RAMP FOR CROSSINGS ON DIRECTION PER CDOT STD. PLAN NO. M-608-1 (STD. SHT NO. 5)
 - 588 DETECTABLE WARNING PER CDOT M&S STANDARD PLAN M-608-1, SHEETS 9 & 10 OF 10.
 - 686 401.08 - HOT BITUMINOUS PAVEMENT (5" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 1 1/2" LIFTS AND ONE 2" LIFT) (SEE TYPICAL ROADWAY SECTIONS)
 - 687 401.08 - T-TOP HOT BITUMINOUS PAVEMENT (2" THICK) (ONE 2" LIFT) (GRADING SX, BINDER GRADE PG 64-22) (SEE TYPICAL ROADWAY SECTIONS)
 - 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 664 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - 811 PROTECT EXISTING WATER VALVE.
 - 823 PROTECT EXISTING UTILITY POLE.
 - 824 PROTECT EXISTING WATER LINE.
 - 825 PROTECT EXISTING IRRIGATION LINE.
 - 826 PROTECT GUY WIRE.
 - 827 PROTECT EXISTING PULL BOX.
 - 828 PROTECT EXISTING SIGN POST.
 - 829 PROTECT EXISTING OVERHEAD ELECTRIC LINE.
 - 830 PROTECT EXISTING WATER METER AND LINE.



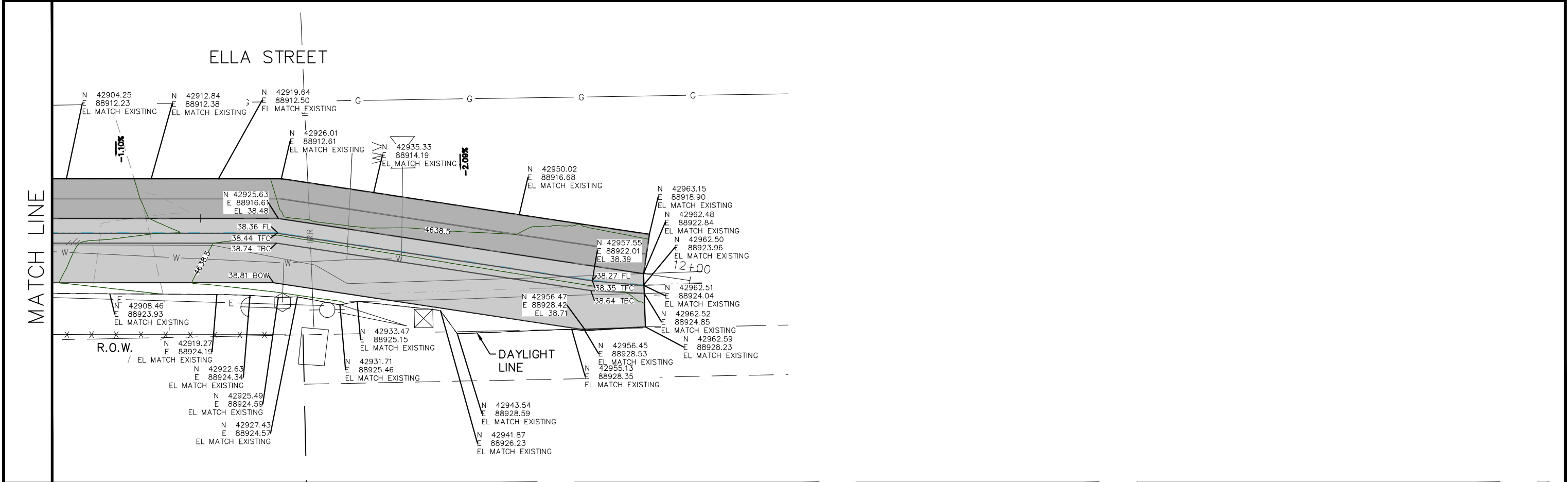
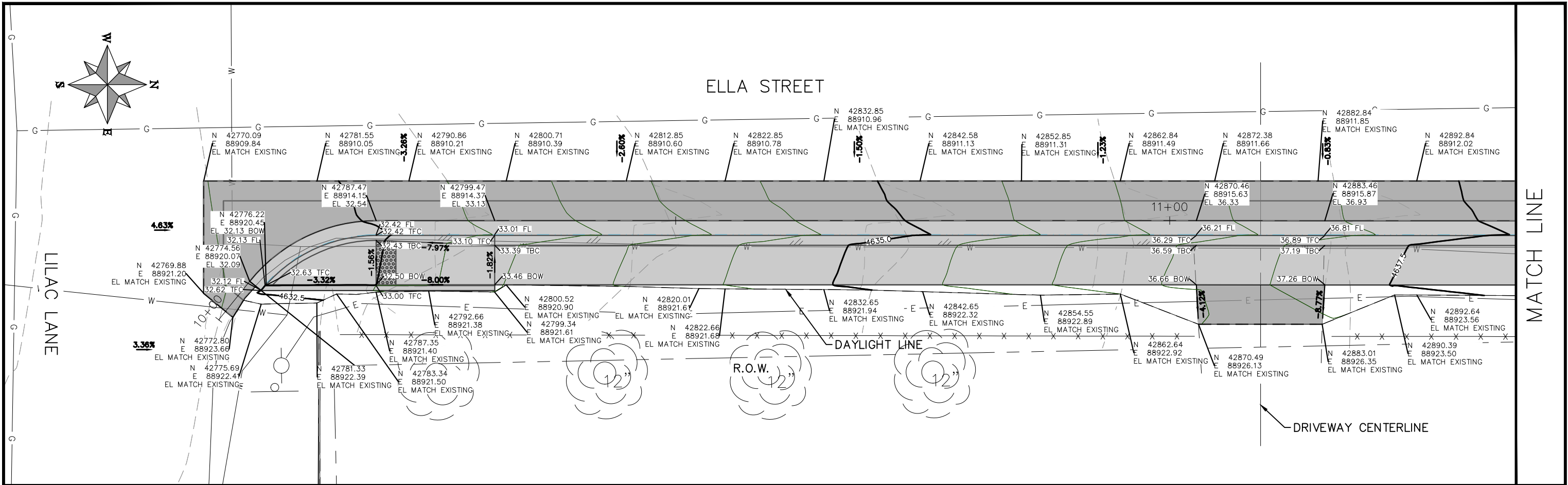


REVISION	DESCRIPTION	DATE	DRAWN BY	MAC	DATE	2025	SCALES:	PLAN
REVISION			DESIGNED BY	MAC	DATE	2025		
REVISION			CHECKED BY	LF	DATE	2025		
REVISION			APPROVED BY	LF	DATE	2025		



ENGINEERING AND
TRANSPORTATION DEPARTMENT
PROJECT NO. C1071

SAFE ROUTES TO SCHOOL – ELLA
CROSS SECTIONS
December 24, 2025



REVISION Δ REVISION Δ REVISION Δ REVISION Δ	DESCRIPTION DATE DATE	DRAWN BY XXX DATE 202X DESIGNED BY XXX DATE 202X CHECKED BY XXX DATE 202X APPROVED BY XXX DATE 202X	SCALES: PLAN HORIZONTAL: 1" = 10' 0 2.5 5 10		ENGINEERING AND TRANSPORTATION DEPARTMENT PROJECT NO. C1071	SAFE ROUTES TO SCHOOL – ELLA STAKING PLAN December 24, 2025	9
--	-----------------------------	--	---	--	---	---	---

N:\EngPro\TRANSPORTATION\Safe Routes to School Sidewalks\2025\C1071 (Ella St)\60CAD\DESIGN\ELLA STAKING PLAN.dwg - PLOTTED 12/24/2025 6:51:35 AM