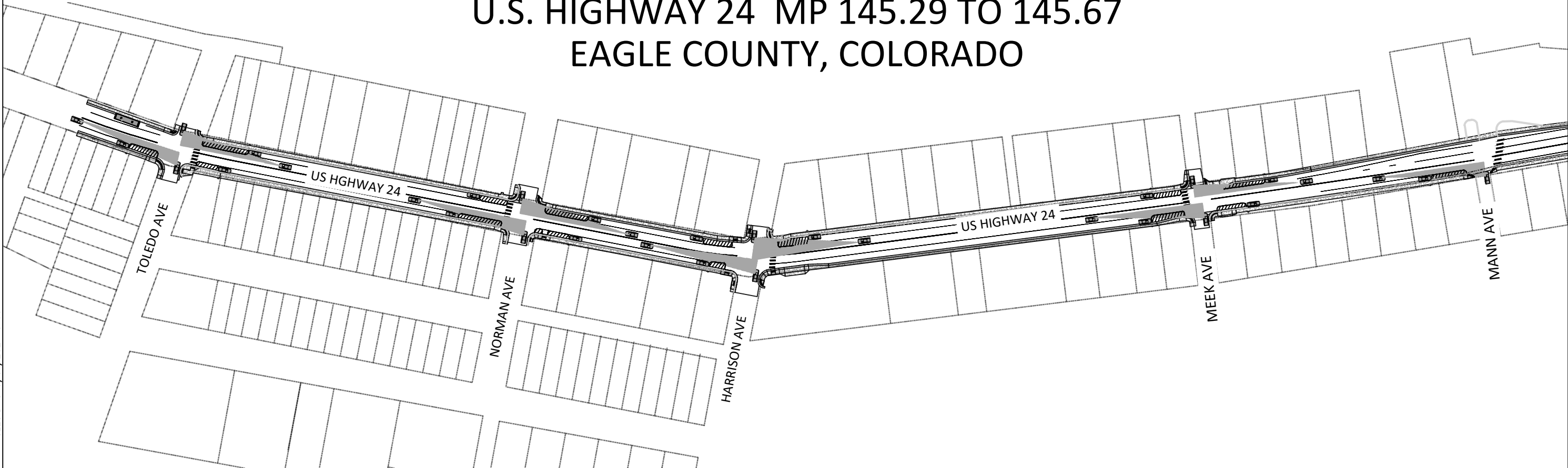


TOWN OF MINTURN INTERSECTION CHANNELIZATION PROJECT
U.S. HIGHWAY 24 MP 145.29 TO 145.67
EAGLE COUNTY, COLORADO



GENERAL NOTES:

1.

THE CONTRACTOR SHALL CONFORM TO ALL COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) AND TOWN OF MINTURN (TOM) RULES, REGULATIONS AND STIPULATIONS WHILE ACCESSING THROUGH OR WORKING ON SITE. THE CONTRACTOR SHALL CONFORM TO THE TERMS, CONDITIONS, AND STIPULATIONS OF THE CDOT RIGHT-OF-WAY PERMIT, AND CDOT UTILITY PERMIT. THE TOWN WILL PROVIDE PERMIT COPIES.
2.

ALL MATERIALS, EQUIPMENT, INSTALLATION, AND CONSTRUCTION WORK WITHIN THE STATE HIGHWAY RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING STANDARD REFERENCES AS APPLICABLE:
A. CDOT FIELD MATERIAL MANUAL-2021
B. CDOT CONSTRUCTION MANUAL -2019 (UPDATED MARCH 15, 2022)
C. CDOT SURVEY MANUAL -2021 (UPDATED 2022)
D. CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION-2021 (UPDATED APRIL 11,2022)
E. CDOT STANDARD SPECIAL PROVISIONS, AS APPLICABLE TO THE PROJECT
F. CDOT STANDARD PLANS (M&S STANDARDS)-2019
G. FHWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS-2009 (UPDATED JULY 2022)
H. AASHTO ROADSIDE DESIGN GUIDE-2011 (UPDATED FEBRUARY 2012)
3.

CONSTRUCTION SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE ENGINEER OWNER, OR CDOT WILL BE RESPONSIBLE FOR MONITORING OR ASSURING CONTRACTOR'S COMPLIANCE WITH ANY APPLICABLE SAFETY LAWS, PROGRAMS, REGULATIONS, OR POLICES.
4.

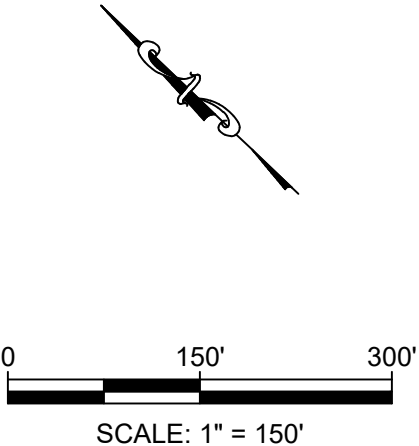
THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE OWNER, ENGINEER, CDOT, AND PROPERTY OWNERS AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION. NO CONSTRUCTION WILL BE PERMITTED PRIOR TO THE PRE-CONSTRUCTION MEETING. THE CONTRACTOR SHALL NOTIFY THE OWNER AND CDOT A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO STARTING CONSTRUCTION.
5.

HOURS OF CONSTRUCTION SHALL BE LIMITED TO MONDAY TO FRIDAY FROM 6:30AM TO 7:00 PM. NO WORK WILL BE ALLOWED AT NIGHT, SATURDAYS, SUNDAYS, OR LEGAL HOLIDAYS WITHOUT PRIOR AUTHORIZATION FROM THE OWNER IN COMPLIANCE WITH THE CONDITIONS OF THE PROJECT PERMITS. CDOT MAY ALSO RESTRICT WORK WITHIN THE HIGHWAY RIGHT-OF-WAY DURING ADVERSE WEATHER CONDITIONS OR SPECIAL EVENTS.
6.

THE CONTRACTOR SHALL PREPARE THE TRAFFIC CONTROL PLAN. A TRAFFIC CONTROL PLAN MUST BE PREPARED BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED INDIVIDUAL OR A PROFESSIONAL TRAFFIC ENGINEER, CONSISTENT WITH THE MUTCD. SAID PLAN MUST BE SIGNED AND STAMPED BY COLORADO REGISTERED PROFESSIONAL ENGINEER, OR OTHERWISE CERTIFIED BY THE ATSSA WORK-SITE CONTROL SUPERVISOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR FOLLOWING THE TRAFFIC CONTROL PLAN APPROVED BY CDOT AND THE LOCAL ISSUING AUTHORITY (7) DAYS PRIOR TO ANY CONSTRUCTION WITHIN THE RIGHT-OF-WAY. THE CONTRACTOR SHALL DESIGNATE A CERTIFIED TRAFFIC CONTROL SUPERVISOR (TCS) TO MANAGE CONSTRUCTION SIGNAGE AND SAFETY OF OPERATIONS DURING ACTIVITIES WITHIN CDOT RIGHT-OF-WAY. THE TCS SHALL BE AVAILABLE WHENEVER WORK IS IN PROGRESS.
7.

THE PLACEMENT OF STATE HIGHWAY STRIPING ON THE ASPHALT HIGHWAY MUST BE VERIFIED AND ACCEPTED BY CDOT A MINIMUM OF 24 HOURS PRIOR TO ACTUAL STRIPING. ALL STRIPING MUST BE PLACED IN ACCORDANCE WITH CDOT M&S STANDARDS DESCRIBED ON STANDARD PLAN NO. S-627-1, UNLESS OTHERWISE NOTED ON THE PLANS.

DRAWING INDEX	
Sheet Number:	Title:
1 of 8	COVER SHEET
2 of 8	TOLEDO AVENUE INTERSECTION
3 of 8	NORMAN AVENUE INTERSECTION
4 of 8	HARRISON AVENUE INTERSECTION
5 of 8	MEEK AVENUE INTERSECTION
6 of 8	MANN AVENUE INTERSECTION
7 of 8	DELINEATOR DETAILS
8 of 8	ADDITIONAL DETAILS



SHEET REVISIONS			
NO.	DATE:	DESCRIPTION:	BY:
1	5-8-24	Remove Street Art	JA
2	5-31-24	Revised Per CDOT Comments	BS

Inter-Mountain
ENGINEERING
Civil Engineers & Surveyors

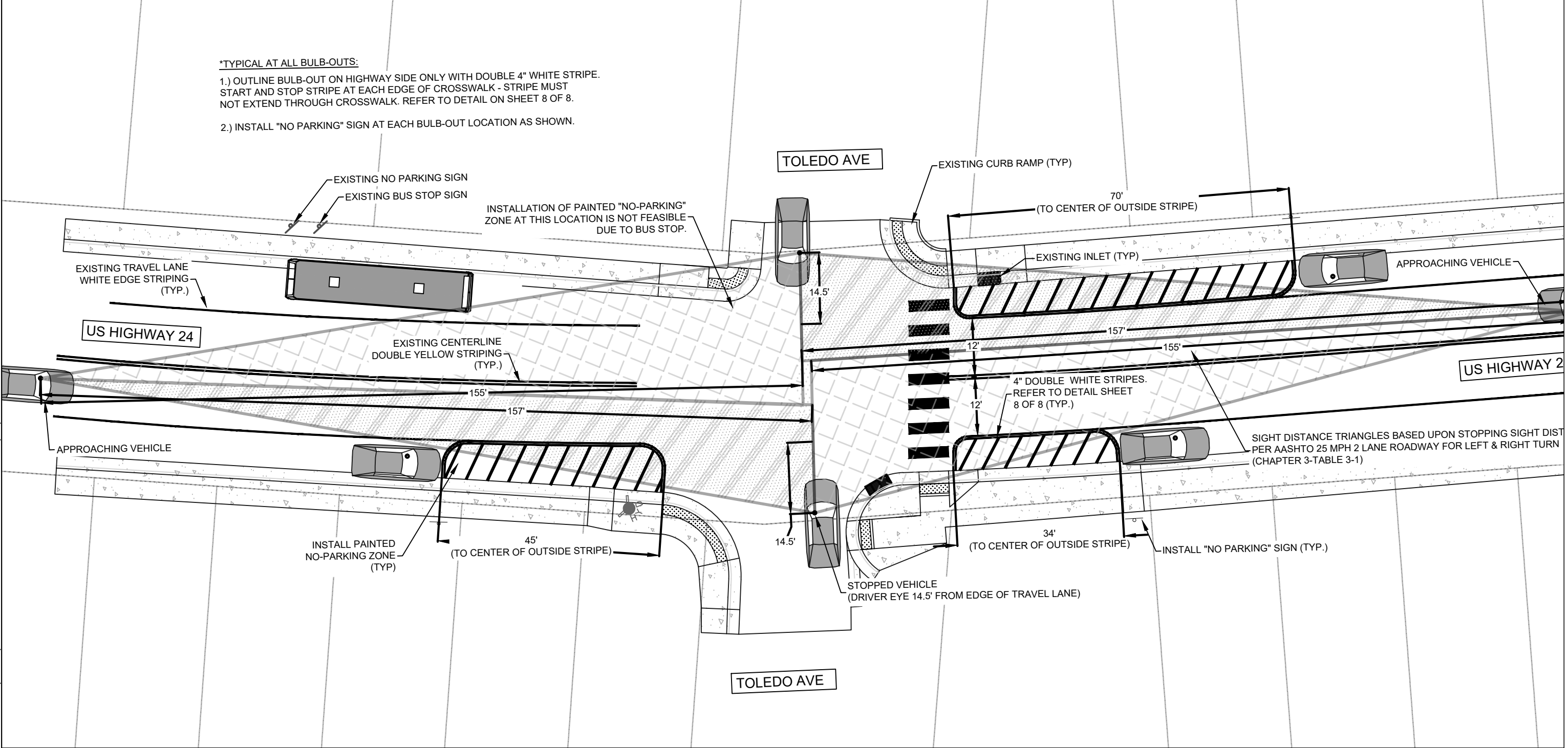
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CLIENT: TOWN OF MINTURN

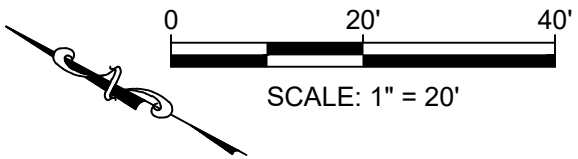
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COVER SHEET	
US HIGHWAY 24 TOWN OF MINTURN STATE OF COLORADO	
DESIGNED BY: JA	CHECKED BY: JS
DATE ISSUED: 5-8-24	PROJECT NO. 23-0001
SHEET NO. 1 of 8	

C:\NINE DROPBOX\CAD\CIVIL 3D\230001\MAIN STREET BULB-OUTS\DWG'S\230001-BULB-OUTS WITH TRIANGLES.DWG 5/31/2024 3:01 PM



MAIN STREET & TOLEDO AVENUE INTERSECTION



SHEET REVISIONS			
NO.	DATE:	DESCRIPTION:	BY:
1	5-8-24	Remove Street Art	JA
2	5-31-24	Revised Per CDOT Comments	BS



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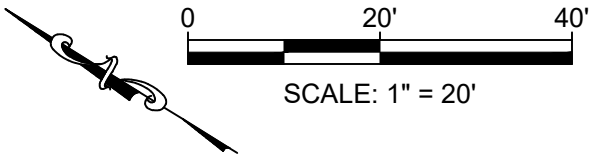
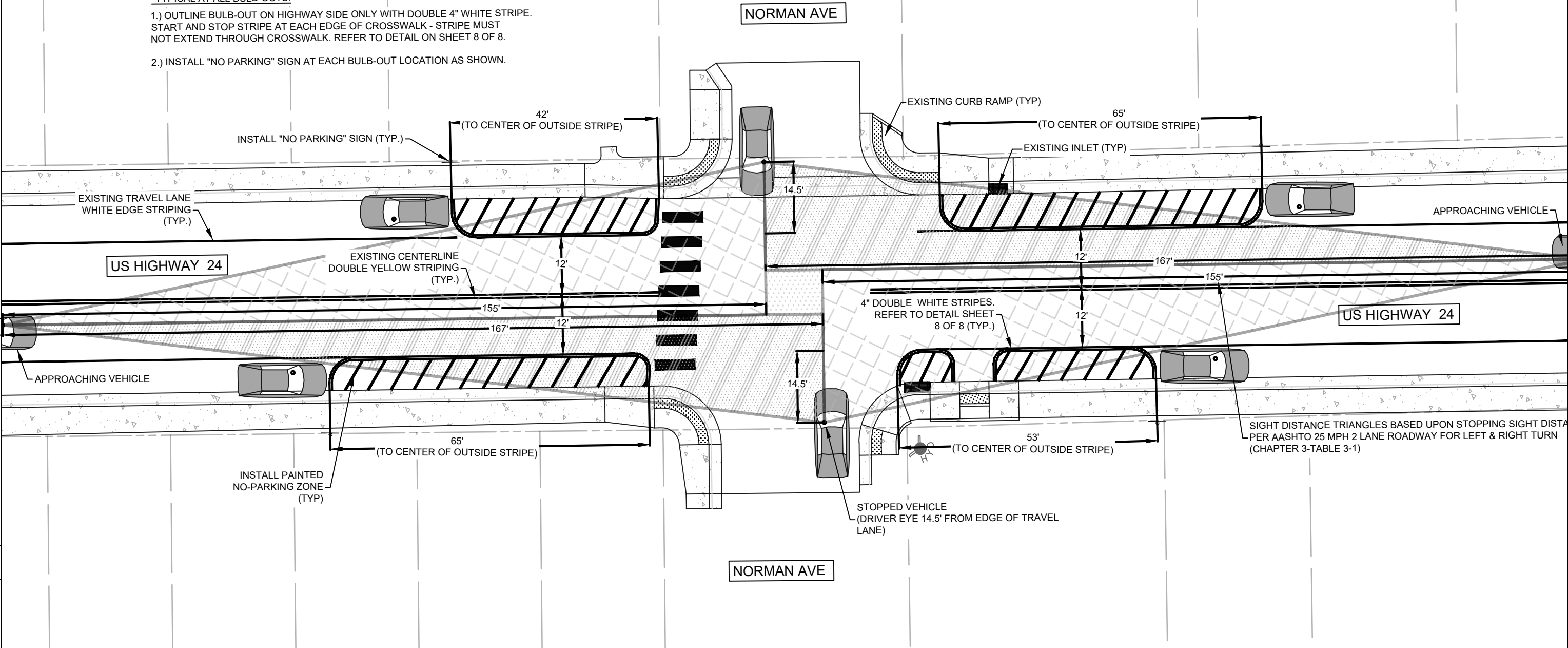
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TOLEDO AVENUE INTERSECTION		DESIGNED BY: JA
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		DATE ISSUED: 5-8-2024
		PROJECT NO. 23-0001
		SHEET NO. 2 of 8

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***TYPICAL AT ALL BULB-OUTS:**

- 1.) OUTLINE BULB-OUT ON HIGHWAY SIDE ONLY WITH DOUBLE 4" WHITE STRIPE. START AND STOP STRIPE AT EACH EDGE OF CROSSWALK - STRIPE MUST NOT EXTEND THROUGH CROSSWALK. REFER TO DETAIL ON SHEET 8 OF 8.
- 2.) INSTALL "NO PARKING" SIGN AT EACH BULB-OUT LOCATION AS SHOWN.



MAIN STREET & NORMAN AVENUE INTERSECTION

SHEET REVISIONS			
NO.	DATE:	DESCRIPTION:	BY:
1	5-8-24	Remove Street Art	JA
2	5-31-24	Revised Per CDOT Comments	BS

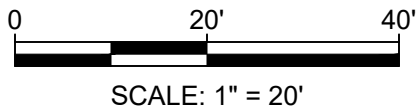
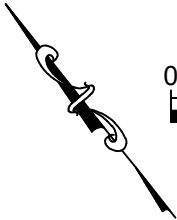
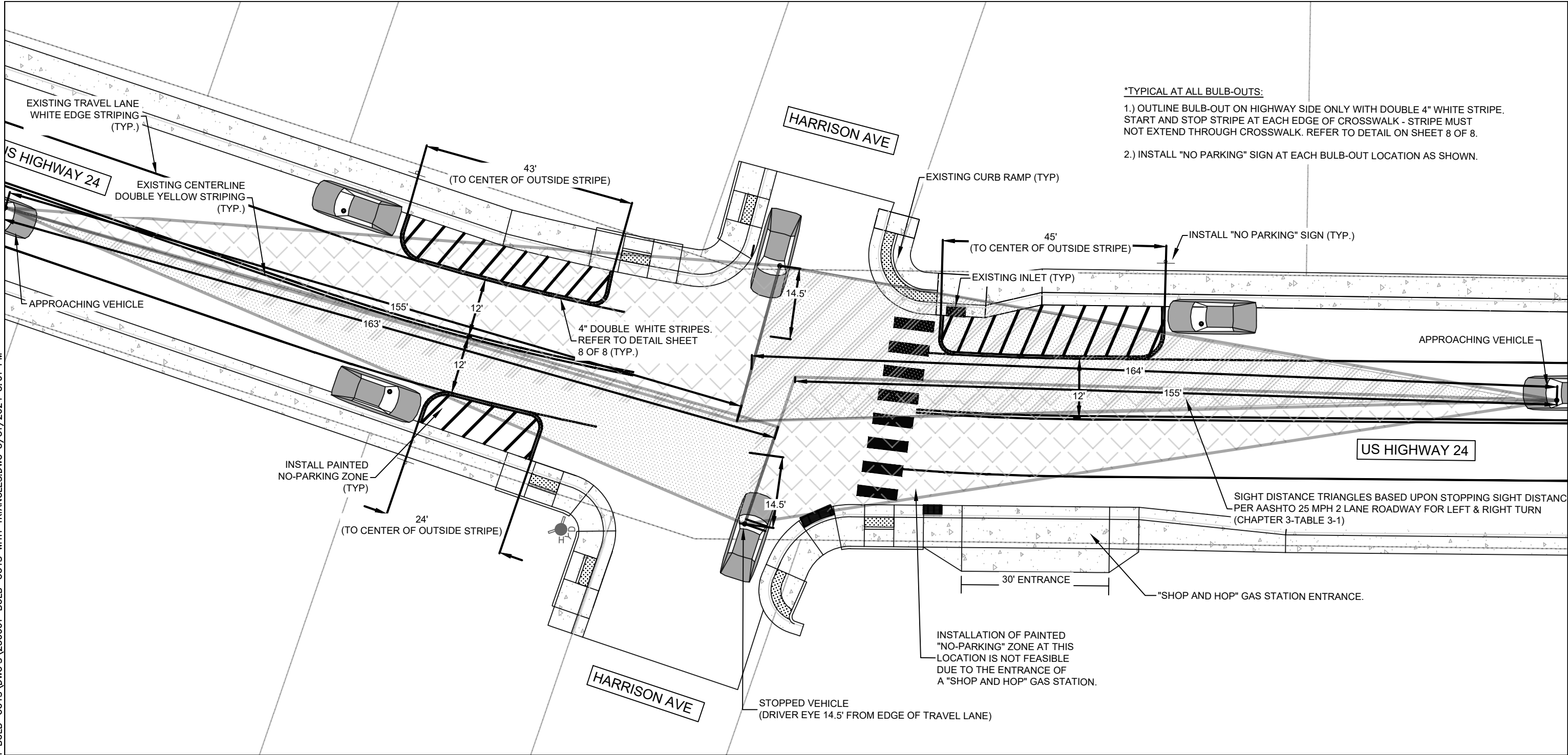


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NORMAN AVENUE INTERSECTION	
US HIGHWAY 24 TOWN OF MINTURN STATE OF COLORADO	
DESIGNED BY: JA	CHECKED BY: JS
DATE ISSUED: 5-8-2024	PROJECT NO. 23-0001
SHEET NO. 3 of 8	

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MAIN STREET & HARRISON AVENUE INTERSECTION

SHEET REVISIONS			
NO.	DATE:	DESCRIPTION:	BY:
1	5-8-24	Remove Street Art	JA
2	5-31-24	Revised Per CDOT Comments	BS

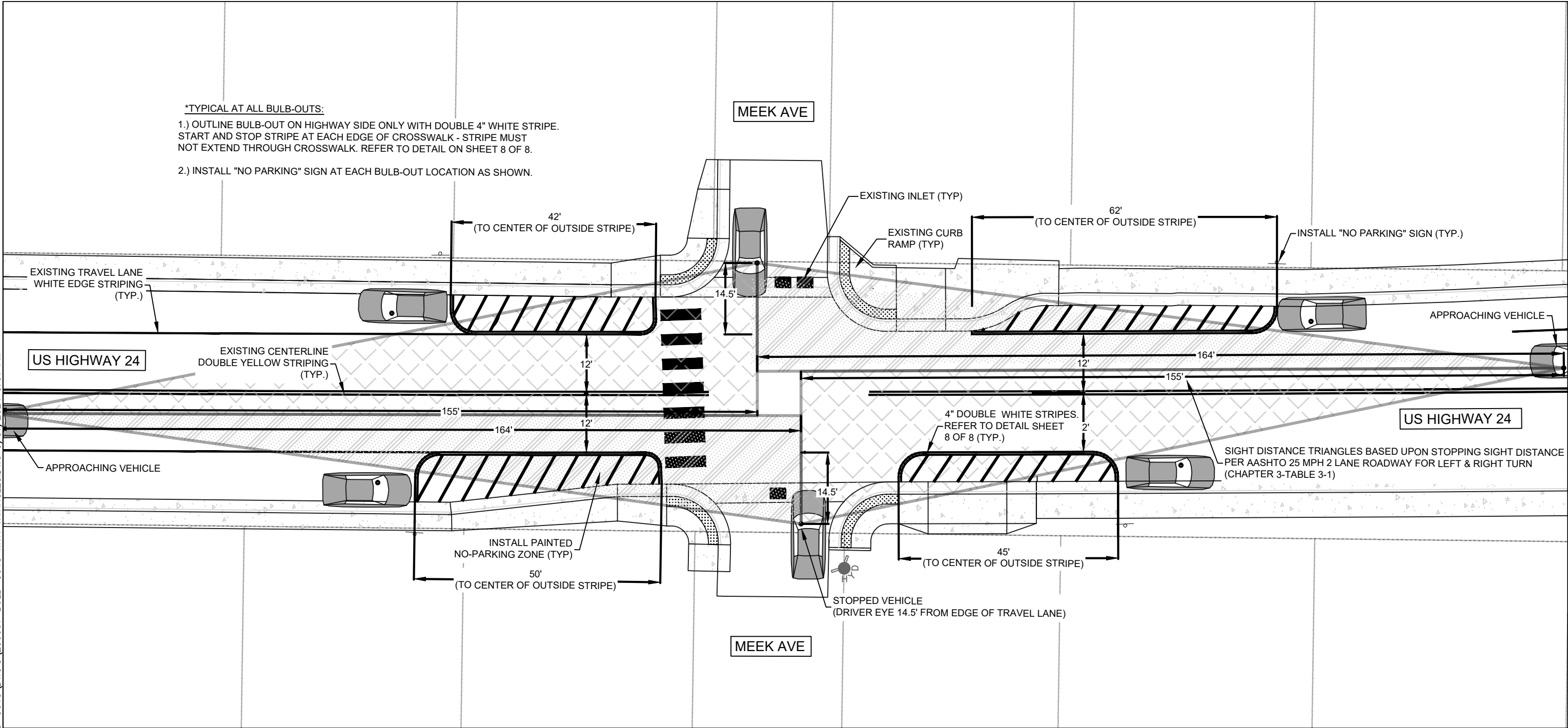


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HARRISON AVENUE INTERSECTION US HIGHWAY 24 TOWN OF MINTURN STATE OF COLORADO	DESIGNED BY: JA
	CHECKED BY: JS
	DATE ISSUED: 5-8-2024
	PROJECT NO. 23-0001
	SHEET NO. 4 of 8

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MAIN STREET & MEEK AVENUE INTERSECTION

SHEET REVISIONS			
NO.	DATE:	DESCRIPTION:	BY:
1	5-8-24	Remove Street Art	JA
2	5-31-24	Revised Per CDOT Comments	BS



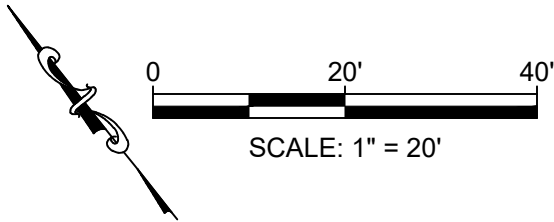
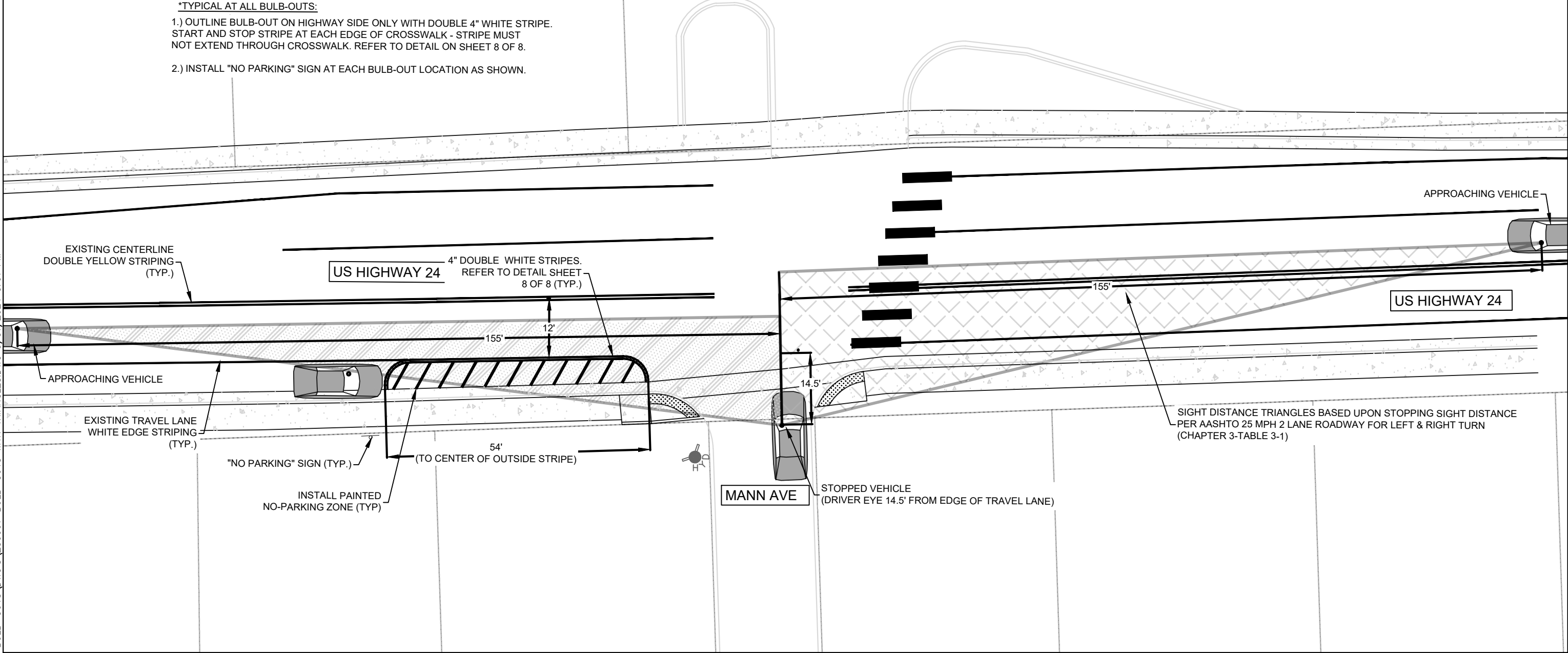
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MEEK AVENUE INTERSECTION	DESIGNED BY: JA
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TOWN OF MINTURN	DATE ISSUED: 5-8-2024
STATE OF COLORADO	PROJECT NO. 23-0001
	SHEET NO. 5 of 8

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- *TYPICAL AT ALL BULB-OUTS:
- 1.) OUTLINE BULB-OUT ON HIGHWAY SIDE ONLY WITH DOUBLE 4" WHITE STRIPE. START AND STOP STRIPE AT EACH EDGE OF CROSSWALK - STRIPE MUST NOT EXTEND THROUGH CROSSWALK. REFER TO DETAIL ON SHEET 8 OF 8.
 - 2.) INSTALL "NO PARKING" SIGN AT EACH BULB-OUT LOCATION AS SHOWN.



MAIN STREET & MANN AVENUE INTERSECTION

SHEET REVISIONS			
NO.	DATE:	DESCRIPTION:	BY:
1	5-8-24	Remove Street Art	JA
2	5-31-24	Revised Per CDOT Comments	BS

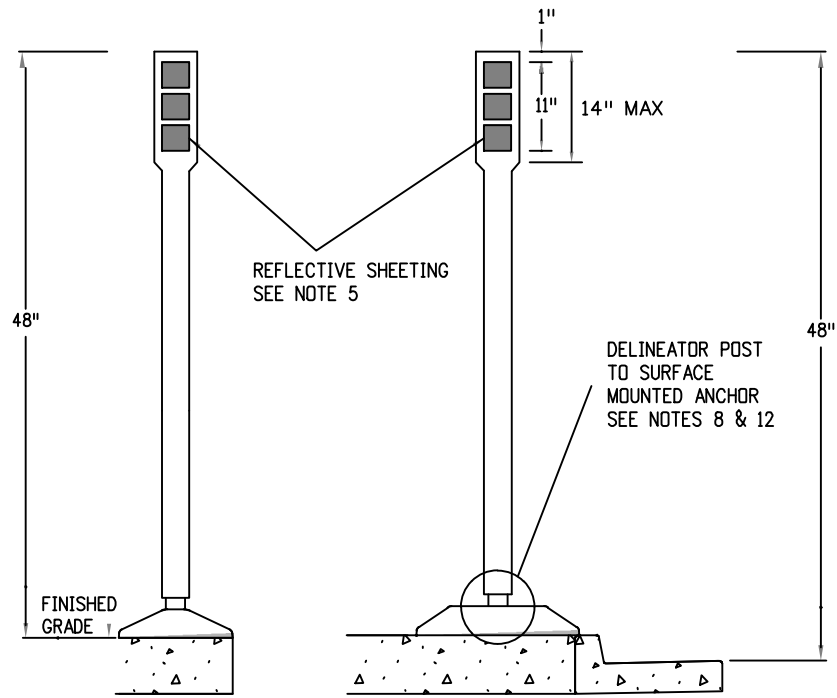


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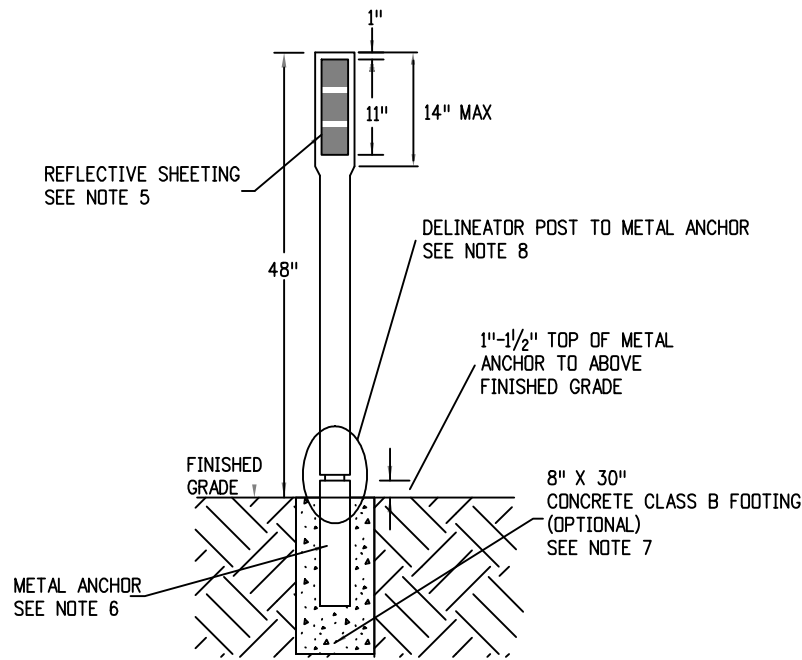
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MANN AVENUE INTERSECTION	DESIGNED BY: JA
US HIGHWAY 24	CHECKED BY: JS
TOWN OF MINTURN	DATE ISSUED: 5-8-2024
STATE OF COLORADO	PROJECT NO. 23-0001
	SHEET NO. 6 of 8

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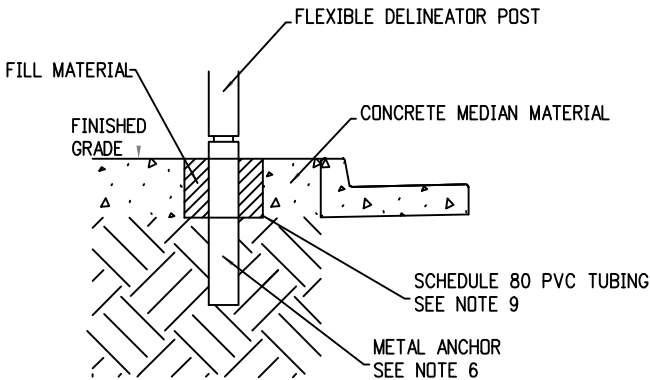


SURFACE MOUNTED

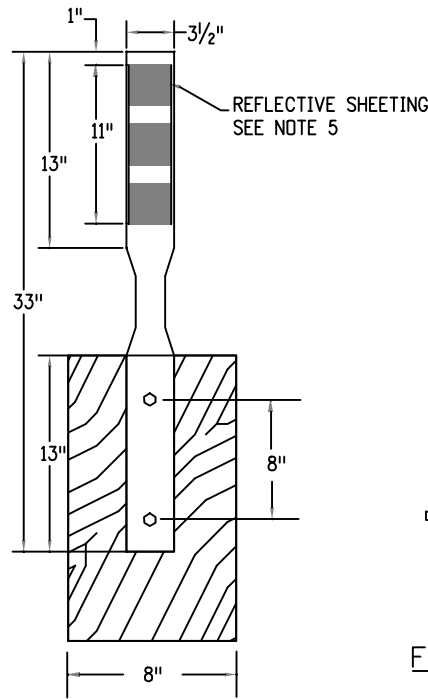


TYPICAL SOIL CONDITIONS

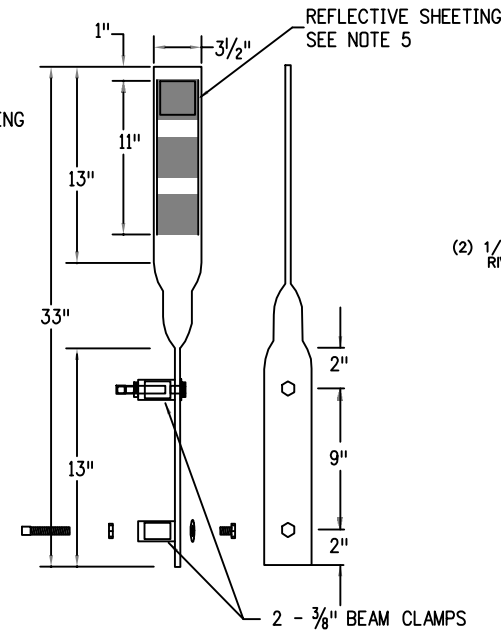
DRIVEABLE METHOD



CONCRETE MEDIAN MATERIAL

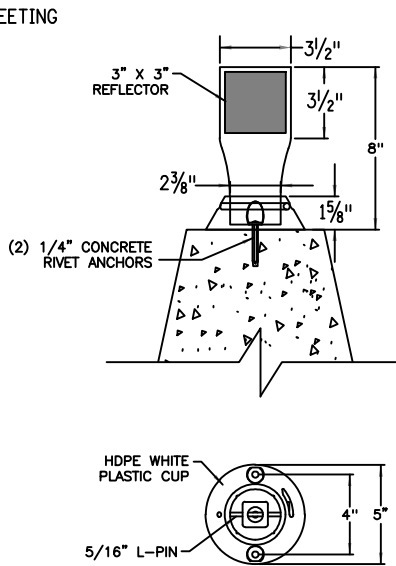


POST MOUNTED
GUARDRAIL



FRONT AND SIDE VIEW

CLAMP MOUNTED
CABLE RAIL



FRONT AND TOP VIEW

CUP MOUNTED
CONCRETE BARRIER

GENERAL NOTES

1. FLEXIBLE DELINEATOR POSTS SHALL FOLLOW THE REQUIREMENTS AS OUTLINED IN CDOT'S MOST RECENT VERSION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". FLEXIBLE DELINEATOR POSTS SHALL BE LISTED ON CDOT'S "APPROVED PRODUCTS LIST" PRIOR TO INSTALLATION.
2. THE LENGTH OF THE FLEXIBLE DELINEATOR POST SHALL BE INSTALLED AS TO PROVIDE A HEIGHT OF 48 INCHES ABOVE THE EDGE OF PAVEMENT.
3. FLEXIBLE DELINEATOR POSTS SHALL BE INSTALLED SO THAT THE REFLECTIVE ELEMENTS FACE ONCOMING TRAFFIC.
4. REFLECTIVE ELEMENTS SHALL BE PRE-INSTALLED AT THE MANUFACTURER'S FACILITY.
5. REFLECTIVE ELEMENTS (SHEETING) SHALL BE TYPE IV OR TYPE V. REFLECTIVE SHEETS SHALL BE 3 INCH SQUARED. REFLECTIVE SHEETS SHALL BE PLACED IN A STRAIGHT VERTICAL COLUMN STARTING 1 INCH FROM THE TOP EDGE AND SEPARATED BY 1 INCH VERTICALLY IN THE COLUMN. SHEETING QUANTITY AND COLOR ARE DEPENDENT ON THE LOCATION OF THE DELINEATOR. SEE SHEET 2 OF S-612-01 FOR TYPICAL CONFIGURATIONS.
6. THE METAL ANCHOR SHALL BE 2 INCH GALVANIZED STEEL PERFORATED SQUARE TUBING MEASURING 24 INCHES IN LENGTH AND SHALL HAVE AN ANCHORING DEPTH OF 22 1/2 TO 23 INCHES.
7. WHEN A CONCRETE BASE IS REQUIRED OR AS DIRECTED BY THE ENGINEER, THE METAL ANCHOR SHALL BE ENCASED IN AN 8 INCH DIAMETER BY 30 INCH DEPTH CONCRETE CLASS B FOOTING. CONCRETE SHALL BE INCLUDED IN THE COST OF THE PAY ITEM.
8. THE CONNECTION BETWEEN THE FLEXIBLE DELINEATOR POST AND THE METAL ANCHOR IS PRODUCT SPECIFIC. ALL FLEXIBLE DELINEATOR POSTS SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
9. CONCRETE MEDIAN INSTALLATIONS SHALL INCLUDE A 4 INCH DIAMETER SCHEDULE 80, PVC TUBE. THE TUBE LENGTH SHALL MATCH THE THICKNESS OF THE CONCRETE MEDIAN MATERIAL, BE CUT FLUSH WITH THE CONCRETE, AND BE BACKFILLED WITH SOIL.
10. "DRIVABLE METHOD" IS THE PREFERRED INSTALLATION METHOD FOR GROUND INSTALLATIONS.
11. "SURFACE MOUNTED" INSTALLATION SHALL ONLY BE INSTALLED DURING RETROFIT APPLICATIONS OR AS DIRECTED BY THE ENGINEER.
12. SURFACE MOUNTED DELINEATORS SHOULD ONLY BE UTILIZED FOR TEMPORARY CONFIGURATIONS DURING CONSTRUCTION. SURFACE MOUNTED DELINEATORS MAY BE UTILIZED FOR CURB AND GUTTER APPLICATIONS; HOWEVER, THE DRIVABLE METHOD IS PREFERRED. SURFACE MOUNTED BASES SHALL BE ATTACHED TO THE SURFACE VIA EITHER BOLT DOWN OR GLUE DOWN METHODS.

FLEXIBLE DELINEATOR INSTALLATIONS (STANDARD PLAN NO. S-612-1)

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NO.	DATE:	DESCRIPTION:	BY:
1	5-8-24	Remove Street Art	JA
2	5-31-24	Revised Per CDOT Comments	BS

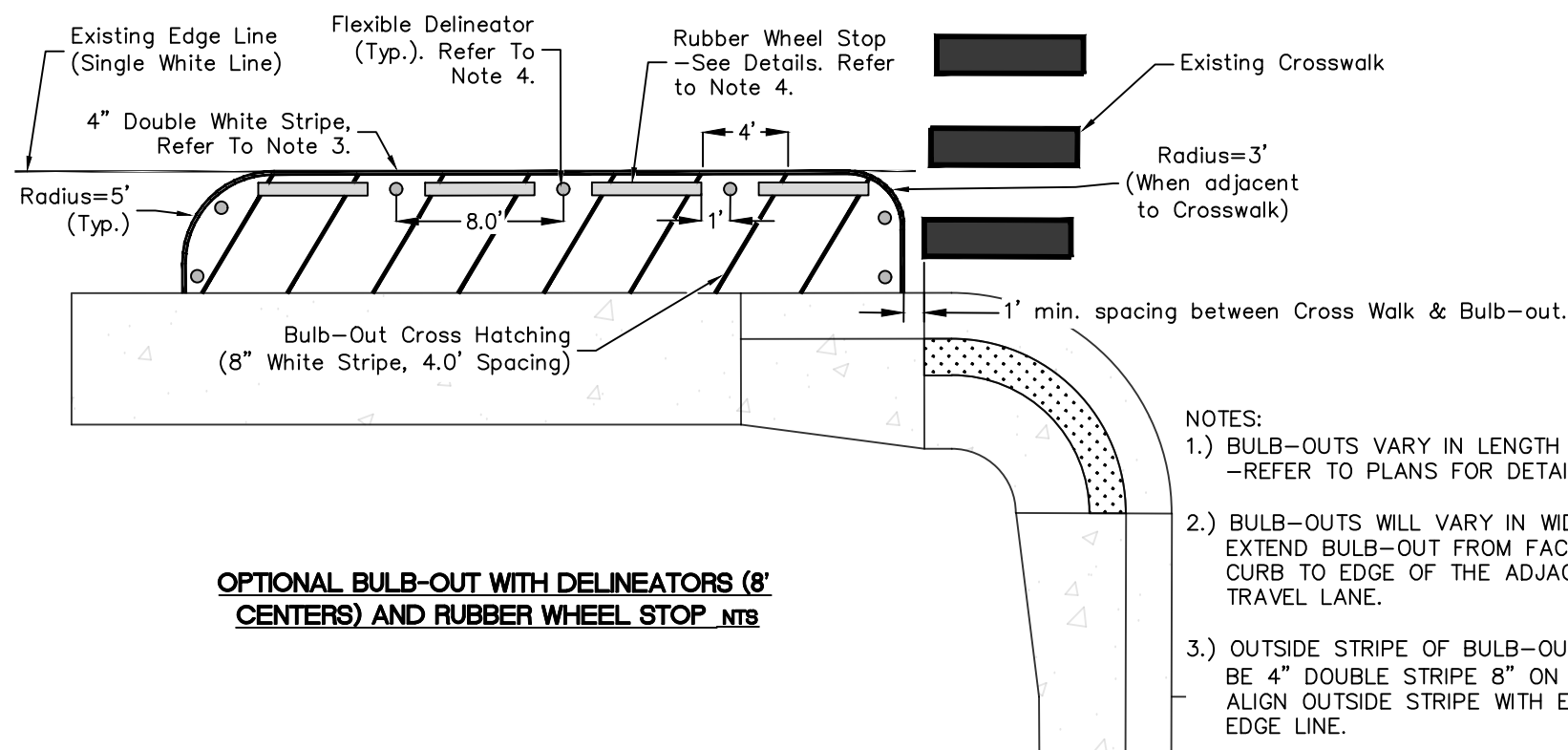


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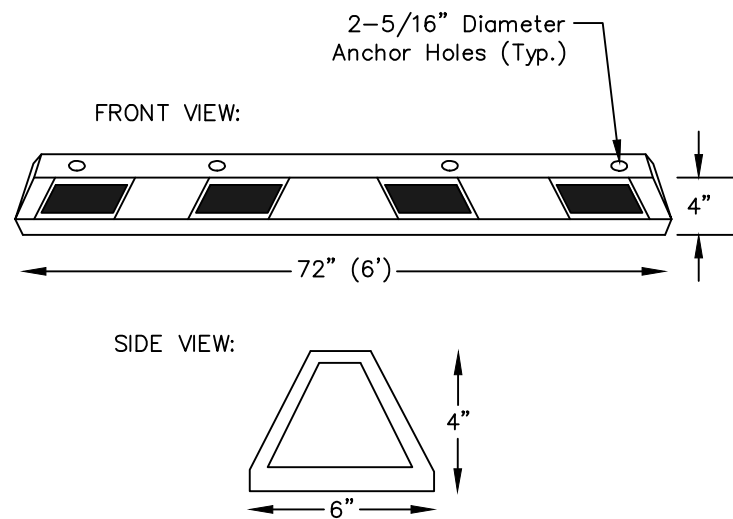
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DELINEATOR DETAILS	DESIGNED BY: JA
US HIGHWAY 24 TOWN OF MINTURN STATE OF COLORADO	CHECKED BY: JS
	DATE ISSUED: 5-8-2024
	PROJECT NO. 23-0001
	SHEET NO. 7 of 8

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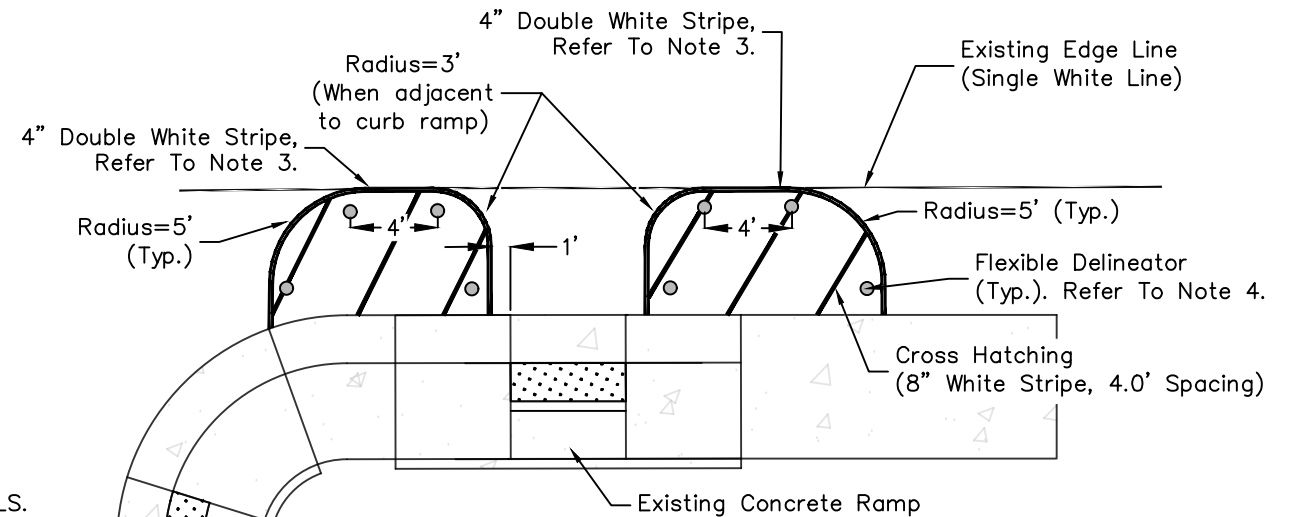
OPTIONAL BULB-OUT WITH DELINEATORS (8' CENTERS) AND RUBBER WHEEL STOP NTS



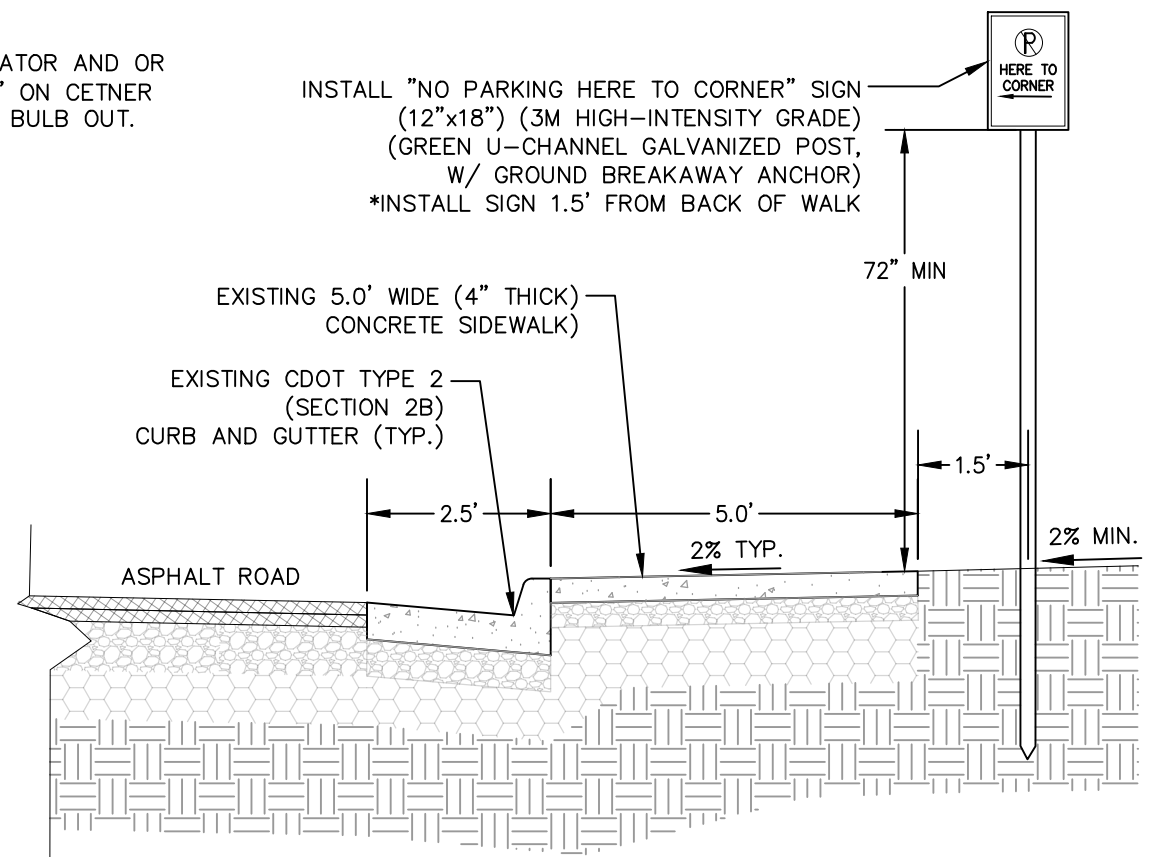
TYPICAL RUBBER WHEEL STOP NTS

- NOTES:
- 1.) THE CONNECTION BETWEEN THE RUBBER CURB AND THE METAL ANCHOR IS PRODUCT SPECIFIC. ALL RUBBER CURB SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
 - 2.) SURFACE MOUNTED RUBBER CURB SHOULD ONLY BE UTILIZED FOR TEMPORARY CONFIGURATIONS DURING CONSTRUCTION. SURFACE MOUNTED RUBBER CURB MAY BE UTILIZED FOR CURB AND GUTTER APPLICATIONS; HOWEVER, THE DRIVABLE METHOD IS PREFERRED. SURFACE MOUNTED BASES SHALL BE ATTACHED TO THE SURFACE VIA EITHER BOLT DOWN OR GLUE METHODS.

- NOTES:
- 1.) BULB-OUTS VARY IN LENGTH -REFER TO PLANS FOR DETAILS.
 - 2.) BULB-OUTS WILL VARY IN WIDTH. EXTEND BULB-OUT FROM FACE OF CURB TO EDGE OF THE ADJACENT TRAVEL LANE.
 - 3.) OUTSIDE STRIPE OF BULB-OUT SHALL BE 4" DOUBLE STRIPE 8" ON CENTER ALIGN OUTSIDE STRIPE WITH EXISTING EDGE LINE.
 - 4.) PLACE FLEXIBLE DELINEATOR AND OR RUBBER WHEEL STOP 8" ON CENTER FROM INSIDE STRIPE OF BULB OUT.



TYPICAL BULB-OUT WITH DELINEATORS (4' CENTERS) NTS



TYPICAL SIDEWALK-SIGN-FENCE CROSS SECTION NTS

SHEET REVISIONS

NO.	DATE:	DESCRIPTION:	BY:
1	5-8-24	Remove Street Art	JA
2	5-31-24	Revised Per CDOT Comments	BS



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ADDITIONAL DETAILS

US HIGHWAY 24
TOWN OF MINTURN
STATE OF COLORADO

DESIGNED BY:	JA
CHECKED BY:	JS
DATE ISSUED:	5-8-24
PROJECT NO.	23-0001
SHEET NO.	8 of 8