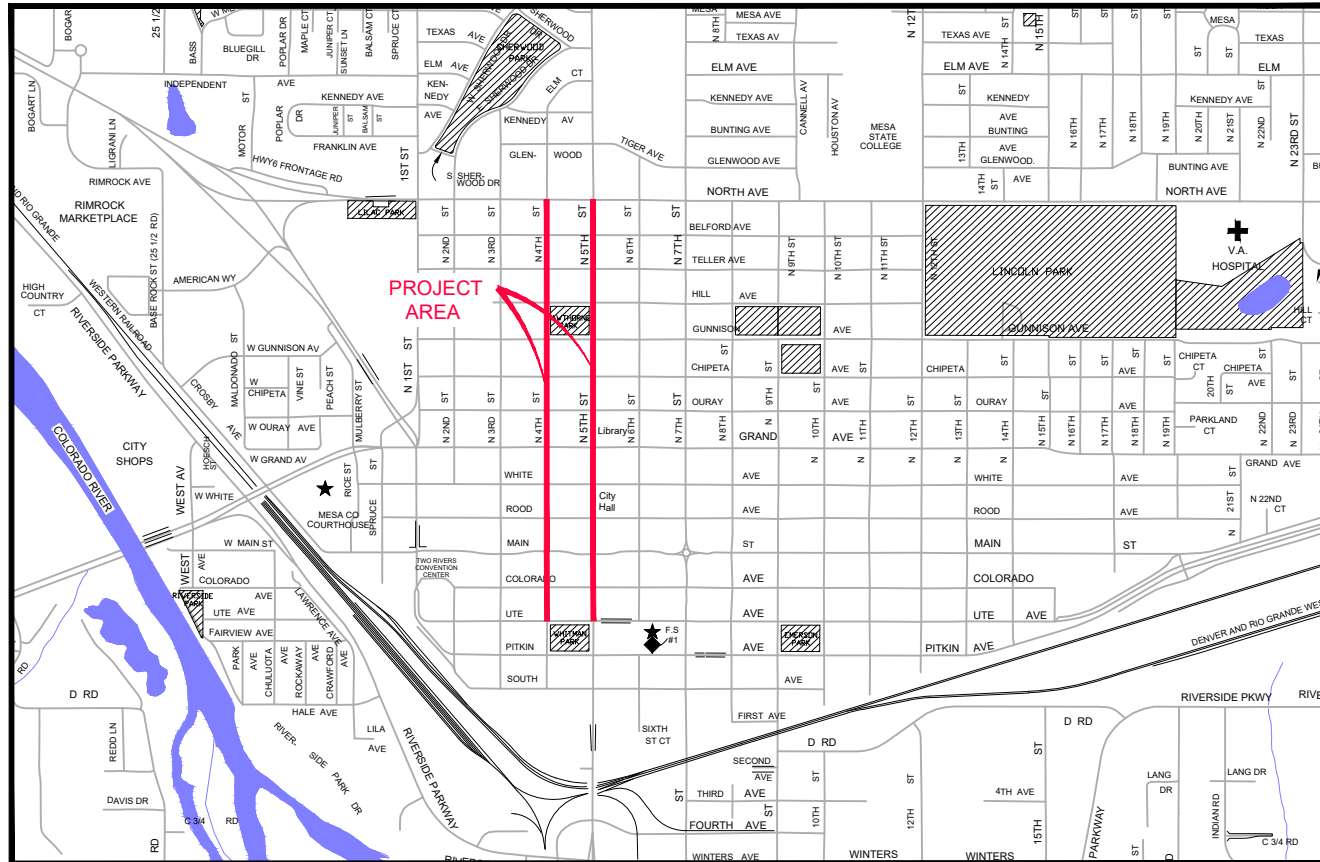


4th & 5th Streets Improvements

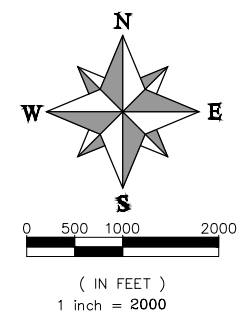
VICINITY MAP



- 1 Cover Sheet
- 2 Standard Abbreviations, Legend, and Symbols
- 3 Typical Pavement Section
- 4 Striping Details
- 5-7 Removal Plan
- 8-10 Improvement Plan
- 11-13 Staking Plan
- 14 Utility Plan & Profile
- 15- Striping Plan

UTILITIES AND AGENCIES

AGENCY	NAME	POSITION	ROLE	MAILING ADDRESS	STREET ADDRESS	CITY, STATE	VOICE-WK	FAX
CITY OF GRAND JUNCTION	Toby Thieman	PROJECT ENGINEER	PROJECT ENGINEER	333 WEST AVE BLDG C	333 WEST AVE BLDG C	GRAND JCT., CO 81501	(970) 244-1559	(970) 256-4022
CITY OF GRAND JUNCTION	Toby Thieman	PROJECT ENGINEER	SANITARY SEWER	333 WEST AVE BLDG C	333 WEST AVE BLDG C	GRAND JCT., CO 81501	(970) 244-1559	(970) 256-4022
ORCHARD MESA IRRIGATION	MAX SCHMIDT	MANAGER	IRRIGATION	668 38 RD	668 38 RD	PALISADE, CO 81526	(970) 464-7885	(970) 464-5928
SPECTRUM	JEFF VALDEZ	MANAGER	CABLE TV	2502 FORESIGHT CIRCLE	2502 FORESIGHT CIRCLE	GRAND JCT., CO 81504	(970) 245-8750	(970) 245-6803
CENTURYLINK	CHRIS JOHNSON	ENGINEER	TELEPHONE	2524 BLICHMANN AVE	2524 BLICHMANN AVE	GRAND JCT., CO 81504	(970) 244-4311	(970) 240-4349
UTE WATER	JUSTIN BATES	SUPERVISOR	WATER	PO BOX 460	2190 H 1/4 RD	GRAND JCT., CO 81502	(970) 242-7491	(970) 242-9189
XCEL	STEVE PIBURN	UNIT MANAGER	ELECTRIC	2538 BLICHMANN AVE	2538 BLICHMANN AVE	GRAND JCT., CO 81506	(970) 244-2664	(970) 244-2664
XCEL	SARAH DARRICAU	UNIT MANAGER	GAS	2538 BLICHMANN AVE	2538 BLICHMANN AVE	GRAND JCT., CO 81506	(970) 244-2656	(970) 244-2656



PROJECT NO. F2201

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 Δ XXX		201X
REVISION Δ XXX		201X
REVISION Δ XXX		201X
REVISION Δ XXX		201X



*Public Works
Engineering Division*



Know what's below.
Call before you dig.

DRAWING STATUS:	
●	PROGRESS
○	FINAL CONSTRUCTION DRAWINGS
○	ASBUILT
DESIGNED BY:	
ERIC MOCKO, TRANSPORTATION ENGINEER	03/2024
REVIEWED BY:	
ERIC MOCKO, TRANSPORTATION ENGINEER	03/2024
AUTHORIZED FOR CONSTRUCTION	
KEN HALEY, ENGINEERING MANAGER	03/2024
ACCEPTED AS CONSTRUCTED	
ERIC MOCKO, TRANSPORTATION ENGINEER	03/2024

F2201 (4th-5th Street Improvements)

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
C	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
W	WATER
Δ	DELTA ANGLE

LEGEND

BSWMP DRAINAGE BASIN BOUNDARY	
BSWMP ANCHORED STRAW BALES	
BSWMP SILT FENCE	
BSWMP EROSION LOG	
BUILDING	
CONCRETE CURB AND GUTTER	
CONCRETE CURB, GUTTER, & SIDEWALK	
CONCRETE DITCH	
CONCRETE SIDEWALK	
CULVERT	
EARTH DITCH	
EDGE OF GRAVEL	
EDGE OF PAVEMENT	
FENCE (BARBED WIRE)	
FENCE (CHAIN LINK)	
FENCE (IRON)	
FENCE (PLASTIC)	
FENCE (WOOD)	
FENCE (WOVEN WIRE)	
GUARD RAIL	
HATCHING: INDICATES ASPHALT REMOVAL	
HATCHING: INDICATES CONCRETE REMOVAL	
HATCHING: INDICATES STAGING AREA	
LINE (CENTER OF IMPROVEMENTS)	
LINE (CITY LIMITS)	
LINE (CONTROL)	
LINE (EASEMENT)	
LINE (MONUMENT/SECTION)	
LINE (PROPERTY)	
LINE (RIGHT OF WAY)	
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)	
RAIL ROAD	
RETAINING WALL	
STRIPING (CONTINUOUS WHITE)	
STRIPING (DASHED WHITE)	
STRIPING (CONTINUOUS YELLOW)	
STRIPING (DASHED YELLOW)	
TOP OF SLOPE	
CONTOUR LINES (SHOWN BETWEEN TOP & TOE)	
TOE OF SLOPE	
TRAFFIC DETECTOR LOOP	
UTILITY LINE (ABANDON) (THIS CASE A WATER LINE)	
UTILITY LINE (CABLE TV)	
UTILITY LINE (ELECTRIC)	
UTILITY LINE (FIBER OPTIC)	
UTILITY LINE (GAS)	
UTILITY LINE (HIGH VOLTAGE OVERHEAD POWER)	
UTILITY LINE (OVERHEAD POWER)	
UTILITY LINE (OVERHEAD TELEPHONE)	
UTILITY LINE (SANITARY SEWER)	
UTILITY LINE (SANITARY SEWER FORCE MAIN)	
UTILITY LINE (SANITARY SEWER SERVICE)	
UTILITY LINE (STORM SEWER)	
UTILITY LINE (STORM SEWER, PERFORATED)	
UTILITY LINE (STORM/SANITARY SEWER SEWER COMBINATION)	
UTILITY LINE (TELEPHONE)	
UTILITY LINE (WATER)	

SYMBOLS

BENCH MARK	
CATCH BASIN	
CLEAN OUT	
CURB STOP	
DELINEATOR (WHITE)	
DELINEATOR (YELLOW)	
FIRE HYDRANT	
GUY WIRE ANCHOR	
HEADGATE	
IRRIGATION PUMP	
MAILBOX	
MANHOLE (ELECTRIC)	
MANHOLE (GAS)	
MANHOLE (SANITARY/STORM)	
MANHOLE (TELEPHONE)	
MANHOLE (TV)	
MANHOLE (WATER)	
METER (GAS)	
METER (WATER)	
PEDESTAL (TELEPHONE)	
PEDESTAL (TV)	
PROPERTY PIN	
PULL BOX	
REDUCER FITTING	
SIGN OR POST (SIGN TYPE NOTED)	
SPRINKLER HEAD	
STREET LIGHT	
SURVEY MONUMENT (CITY)	
SURVEY MONUMENT (TYPE NOTED)	
TEST HOLE	
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)	
WATER HYDRANT	
WEIR	
YARD LIGHT	

NORTH ARROW:

BAR SCALE:
0 5 10 20
(IN FEET)
1 inch = 20 feet

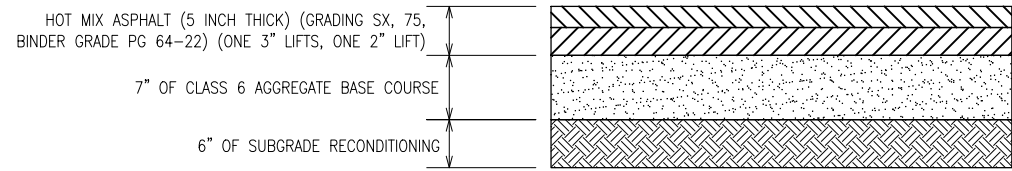
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REVISION Δ			DESIGNED BY DATE
REVISION Δ			CHECKED BY DATE
REVISION Δ			APPROVED BY DATE

SCALES: PLAN & PROFILE

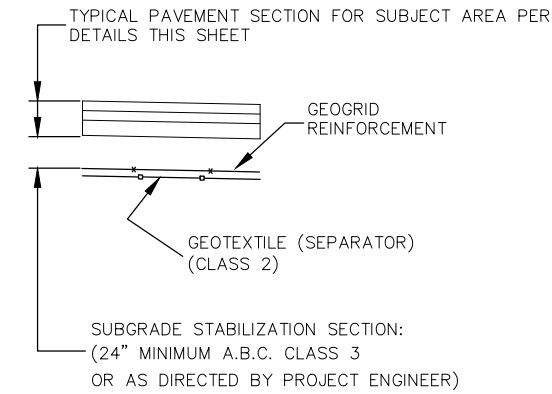


PUBLIC WORKS ENGINEERING DIVISION

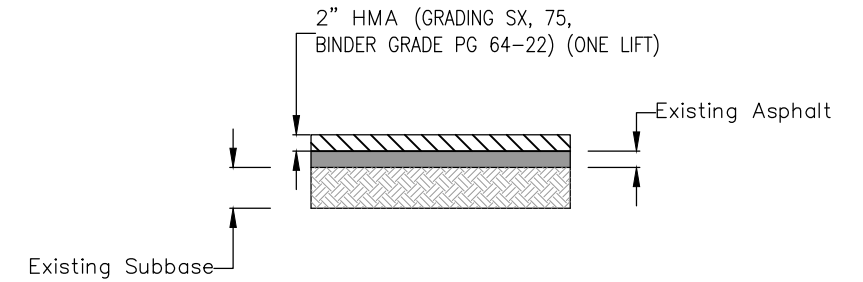
4TH & 5TH STREET IMPROVEMENTS
STANDARD ABBREVIATIONS, LEGEND,
AND SYMBOLS



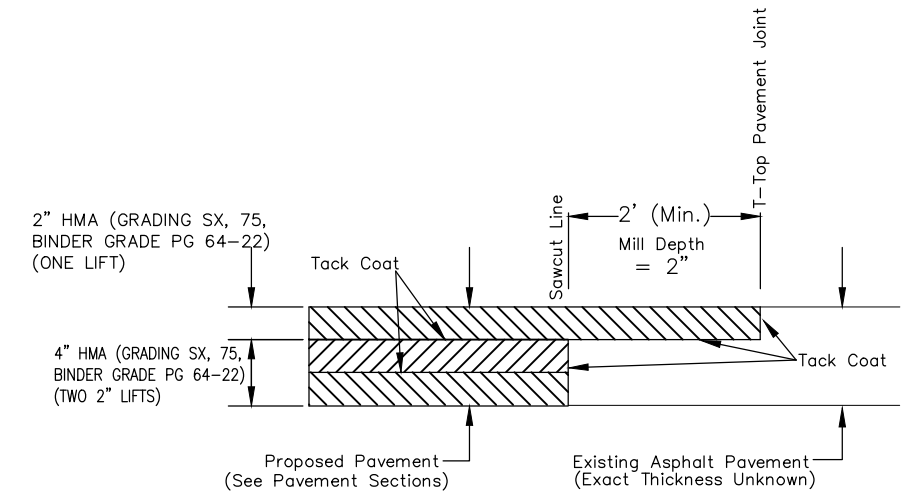
TYPICAL FULL DEPTH ASPHALT PAVEMENT SECTION
(SEE IMPROVEMENT PLAN FOR EXTENTS OF THIS ASPHALT PAVEMENT DETAIL)



SUBGRADE STABILIZATION
(REQUIRED IN SOFT SPOTS AS DIRECTED BY PROJECT ENGINEER)



PAVEMENT "MILL AND FILL" SECTION
2" MILL AND HOT MIX ASPHALT OVERLAY
(SEE IMPROVEMENT PLAN FOR EXTENTS OF THIS ASPHALT PAVEMENT DETAIL)



T-TOP DETAIL

T-TOP NOTES

1. THE MINIMUM T-TOP ASPHALT THICKNESS SHALL BE 2-INCH AND THE MINIMUM WIDTH SHALL BE 2- FEET.
2. THE T-TOP PAVEMENT JOINT SHALL NOT BE LOCATED IN A VEHICLE WHEEL PATH. THE CONTRACTOR SHALL ADJUST THE T-TOP PAVEMENT JOINT ACCORDINGLY.

Note:

- The Contractor shall account for up to 25% of the total roadway reconstruction areas (requiring base course and surfacing) requiring subgrade stabilization, as detailed in the Subgrade Stabilization detail, in coming up with his schedule. No adjustment in allowable working time will be considered if the amount of subgrade stabilization is less than 25% of the total roadway reconstruction areas. The work for subgrade stabilization will be paid for separately as Muck Excavation, Aggregate Base Course (Class 3), Geotextile (Separator) (Class 2), and Geogrid Reinforcement.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION A REV 1			JOE	2030
REVISION A REV 2			JOE	2030
REVISION A REV 3			JOE	2030
REVISION A REV 4			JOE	2030

NO SCALE



**PUBLIC WORKS
ENGINEERING DIVISION**
PROJECT NO. F2201

4TH & 5TH STREET IMPROVEMENTS
TYPICAL PAVEMENT DETAIL & SECTION
April 12, 2024



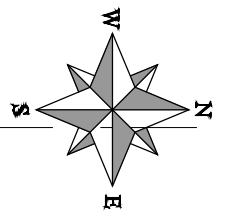
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△ REV 2			JOE	2030
△ REV 3			JOE	2030
△ REV 4			JOE	2030

NO SCALE



PUBLIC WORKS
ENGINEERING DIVISION
PROJECT NO. F2201

4TH & 5TH STREET IMPROVEMENTS
STRIPING DETAILS
April 12, 2024

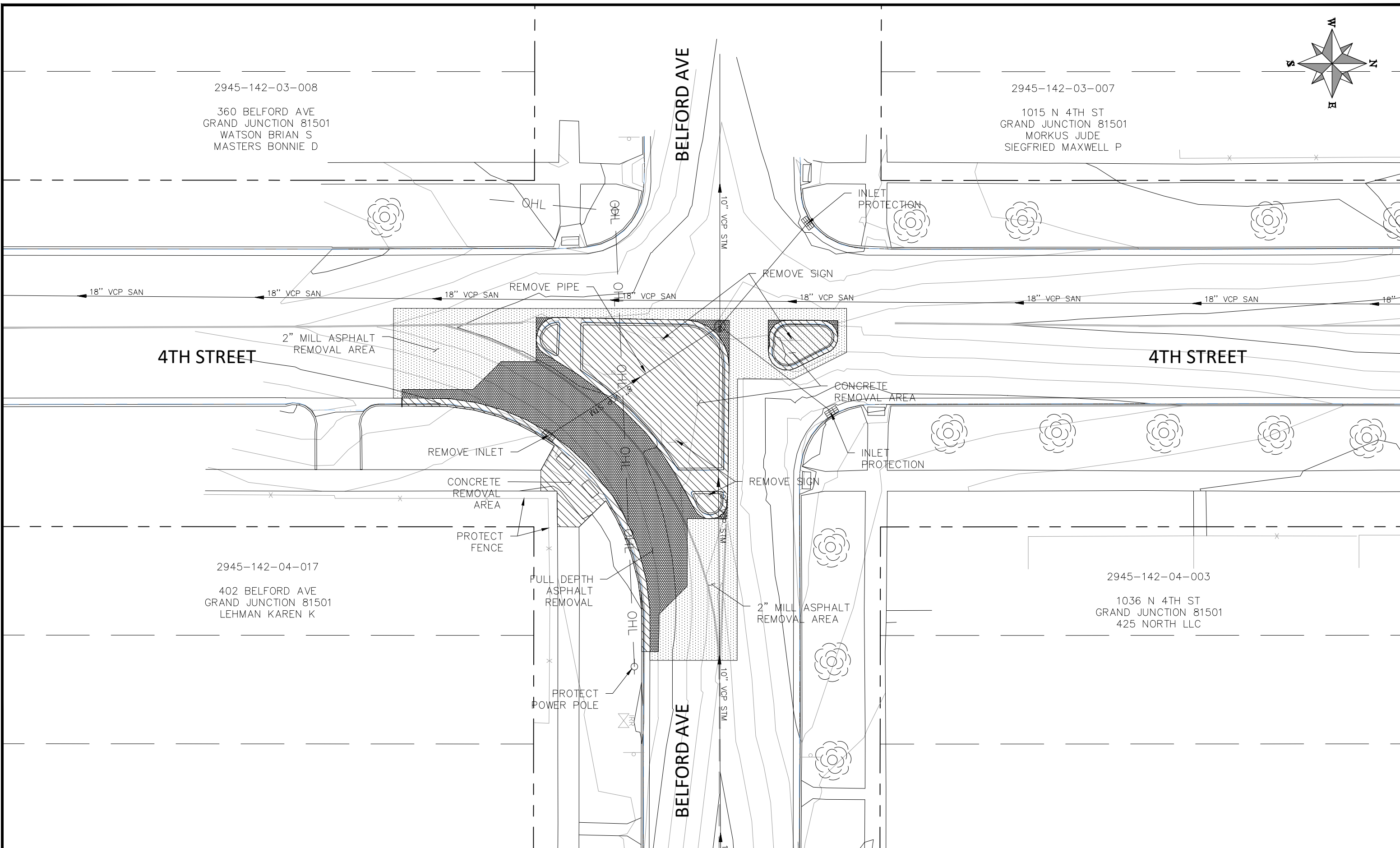


2945-142-03-008
 360 BELFORD AVE
 GRAND JUNCTION 81501
 WATSON BRIAN S
 MASTERS BONNIE D

2945-142-03-007
 1015 N 4TH ST
 GRAND JUNCTION 81501
 MORKUS JUDE
 SIEGFRIED MAXWELL P

2945-142-04-017
 402 BELFORD AVE
 GRAND JUNCTION 81501
 LEHMAN KAREN K

2945-142-04-003
 1036 N 4TH ST
 GRAND JUNCTION 81501
 425 NORTH LLC



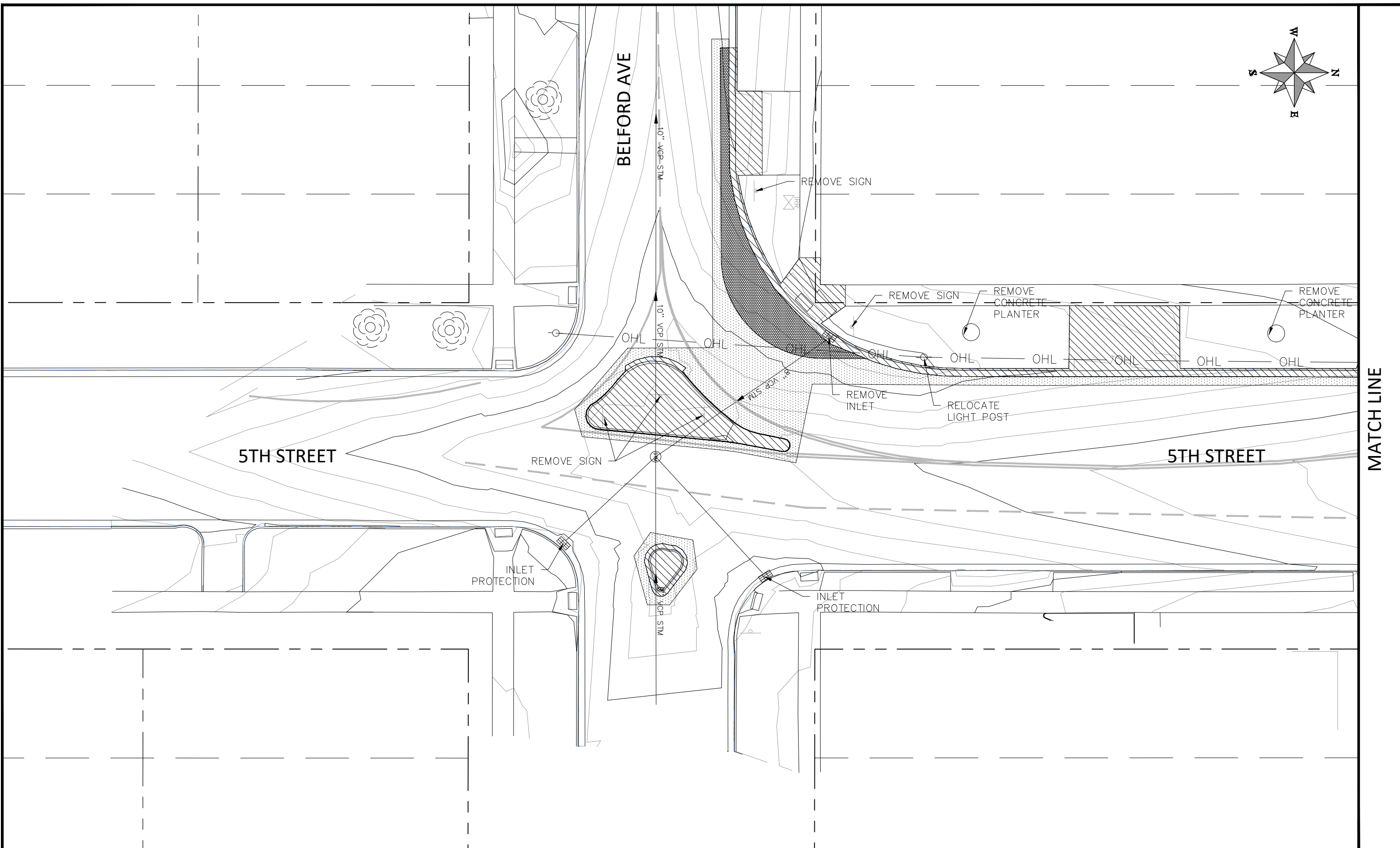
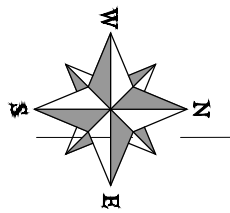
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REVISION Δ XXX		- 202X	DESIGNED BY DJM DATE 04/2024
REVISION Δ XXX		- 202X	CHECKED BY EM DATE 04/2024
REVISION Δ XXX		- 202X	APPROVED BY KH DATE 04/2024

SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 20'	0 5 10 20
VERTICAL: 1" =	N/A



**PUBLIC WORKS
 ENGINEERING DIVISION**

**4TH & 5TH STREETS IMPROVEMENTS
 4TH STREET AND BELFORD AVE
 REMOVAL PLAN - 1**



MATCH LINE

REVISION	DESCRIPTION	DATE
△ XXX		202X
△ XXX		202X
△ XXX		202X
△ XXX		202X

PROJECT NO. F2201
DRAWN BY DJM DATE 04/2024
DESIGNED BY DJM DATE 04/2024
CHECKED BY EM DATE 04/2024
APPROVED BY KH DATE 04/2024

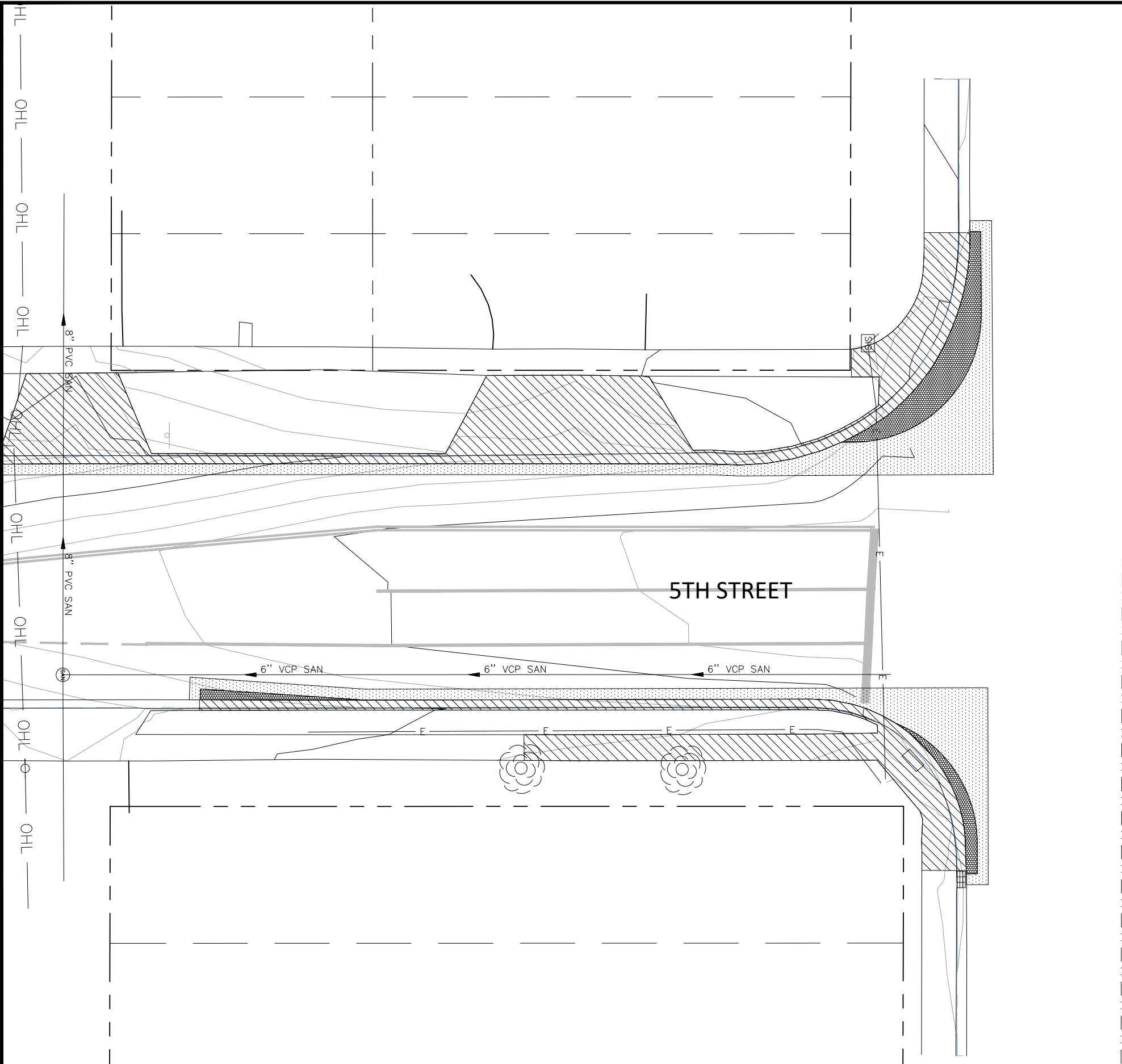
SCALES: PLAN & PROFILE
HORIZONTAL: 1" = 20'
VERTICAL: 1" = N/A



**PUBLIC WORKS
ENGINEERING DIVISION**

**4TH & 5TH STREETS IMPROVEMENTS
4TH STREET AND BELFORD AVE
REMOVAL PLAN - 1**

MATCH LINE



NORTH AVE

REVISION	DESCRIPTION	DATE
REVISION Δ XXX		- 202X
REVISION Δ XXX		- 202X
REVISION Δ XXX		- 202X
REVISION Δ XXX		- 202X

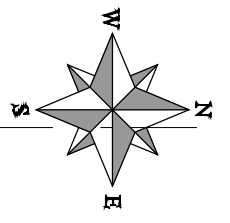
PROJECT NO. F2201	
DRAWN BY DJM	DATE 04/2024
DESIGNED BY DJM	DATE 04/2024
CHECKED BY EM	DATE 04/2024
APPROVED BY KH	DATE 04/2024

SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 20'	
VERTICAL: 1" =	N/A



**PUBLIC WORKS
ENGINEERING DIVISION**

**4TH & 5TH STREETS IMPROVEMENTS
4TH STREET AND BELFORD AVE
REMOVAL PLAN - 1**

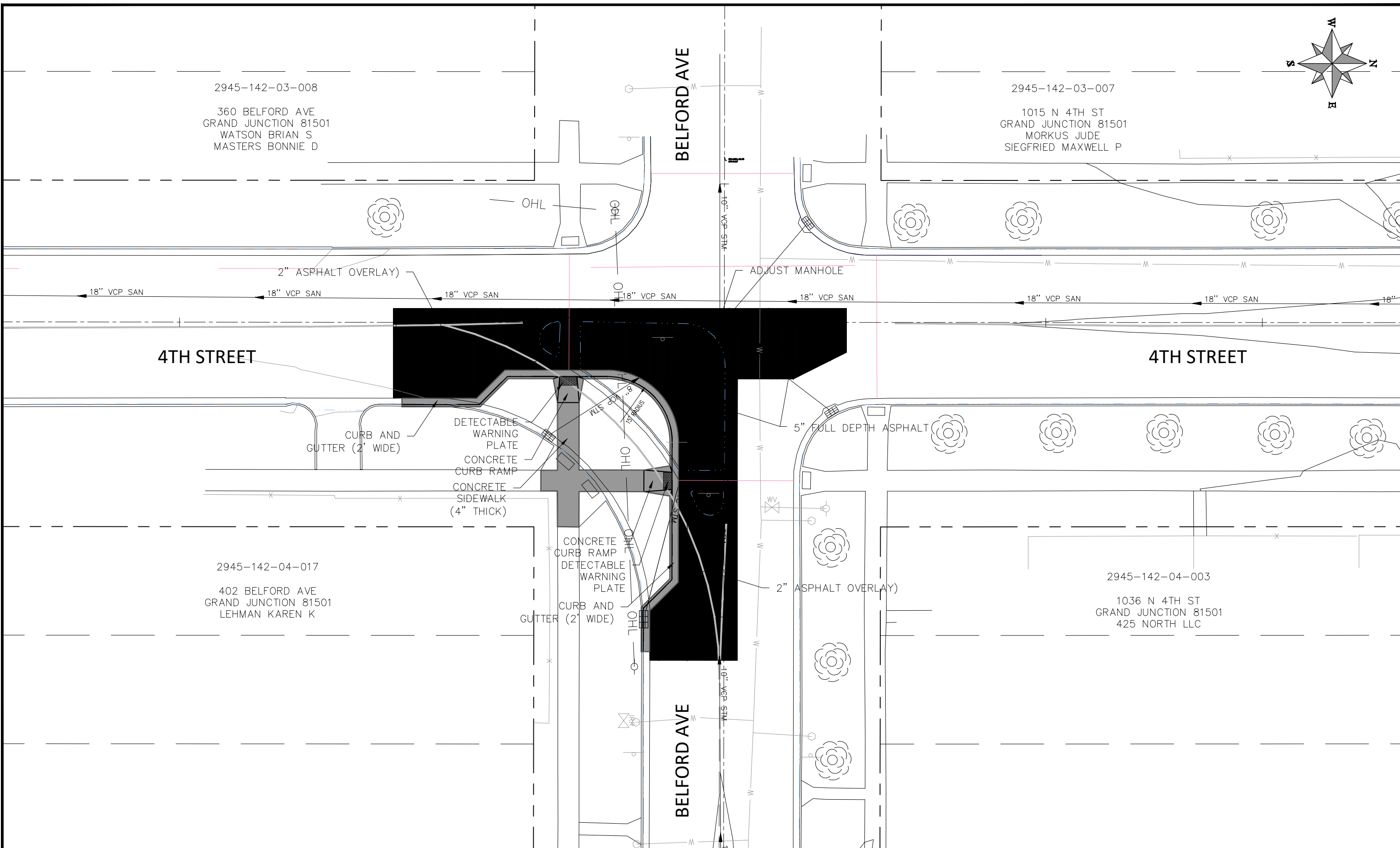


2945-142-03-008
 360 BELFORD AVE
 GRAND JUNCTION 81501
 WATSON BRIAN S
 MASTERS BONNIE D

2945-142-03-007
 1015 N 4TH ST
 GRAND JUNCTION 81501
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2945-142-04-017
 402 BELFORD AVE
 GRAND JUNCTION 81501
 LEHMAN KAREN K

2945-142-04-003
 1036 N 4TH ST
 GRAND JUNCTION 81501
 425 NORTH LLC



REVISION	DESCRIPTION	DATE
REVISION Δ XXX		- 202X
REVISION Δ XXX		- 202X
REVISION Δ XXX		- 202X
REVISION Δ XXX		- 202X

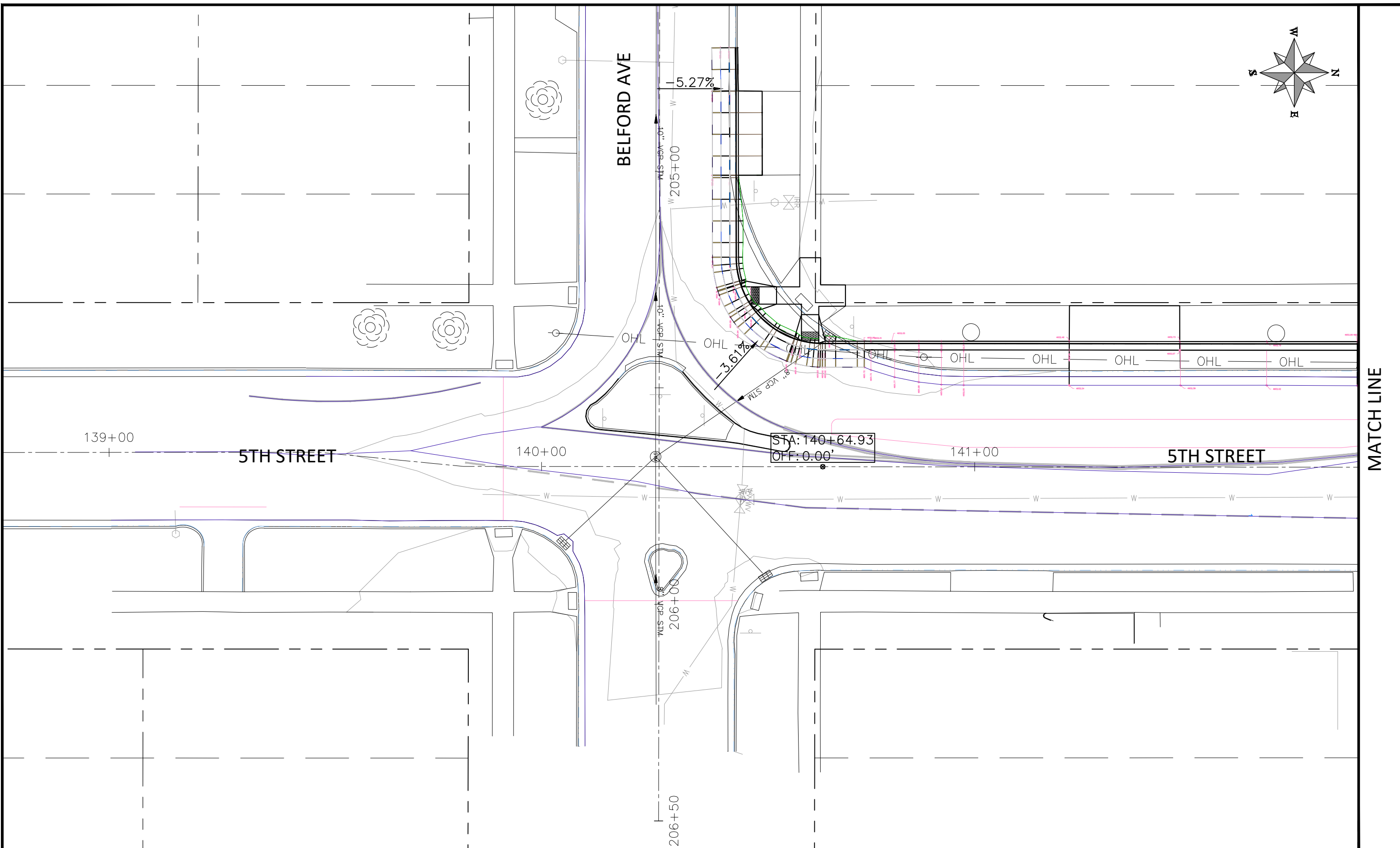
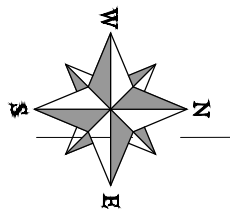
PROJECT NO. F2201	DRAWN BY DJM	DATE 04/2024
	DESIGNED BY DJM	DATE 04/2024
	CHECKED BY EM	DATE 04/2024
	APPROVED BY KH	DATE 04/2024

SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 20'	0 5 10 20
VERTICAL: 1" =	N/A



**PUBLIC WORKS
 ENGINEERING DIVISION**

**4TH & 5TH STREETS IMPROVEMENTS
 4TH STREET AND BELFORD AVE
 IMPROVEMENT PLAN - 1**



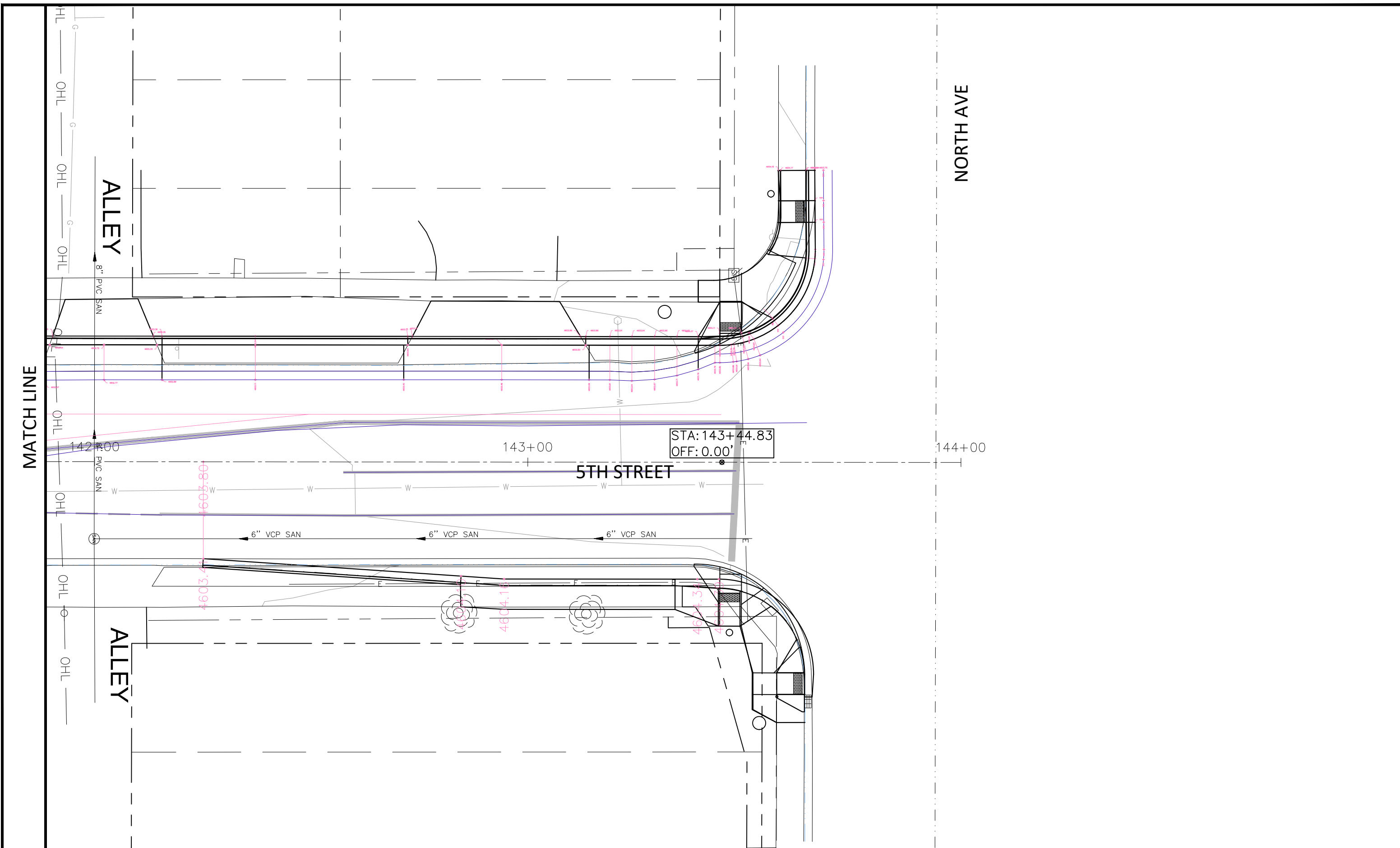
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△ XXX		202X	DRAWN BY DJM DATE 04/2024
△ XXX		202X	DESIGNED BY DJM DATE 04/2024
△ XXX		202X	CHECKED BY EM DATE 04/2024
△ XXX		202X	APPROVED BY KH DATE 04/2024

SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 20'	0 5 10 20
VERTICAL: 1" = 4'	N/A



**PUBLIC WORKS
ENGINEERING DIVISION**

**4TH & 5TH STREETS IMPROVEMENTS
5TH STREET AND BELFORD AVE
IMPROVEMENT PLAN - 2**



MATCH LINE

NORTH AVE

STA: 143+44.83
OFF: 0.00'

5TH STREET

ALLEY

ALLEY

REVISION	DESCRIPTION	DATE
REVISION Δ XXX		- 202X
REVISION Δ XXX		- 202X
REVISION Δ XXX		- 202X
REVISION Δ XXX		- 202X

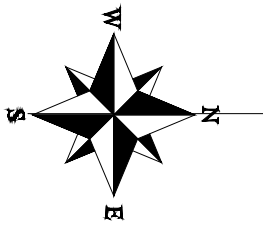
PROJECT NO.	DATE
F2201	04/2024
DRAWN BY DJM	04/2024
DESIGNED BY DJM	04/2024
CHECKED BY EM	04/2024
APPROVED BY KH	04/2024

SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 20'	0 5 10 20
VERTICAL: 1" =	N/A



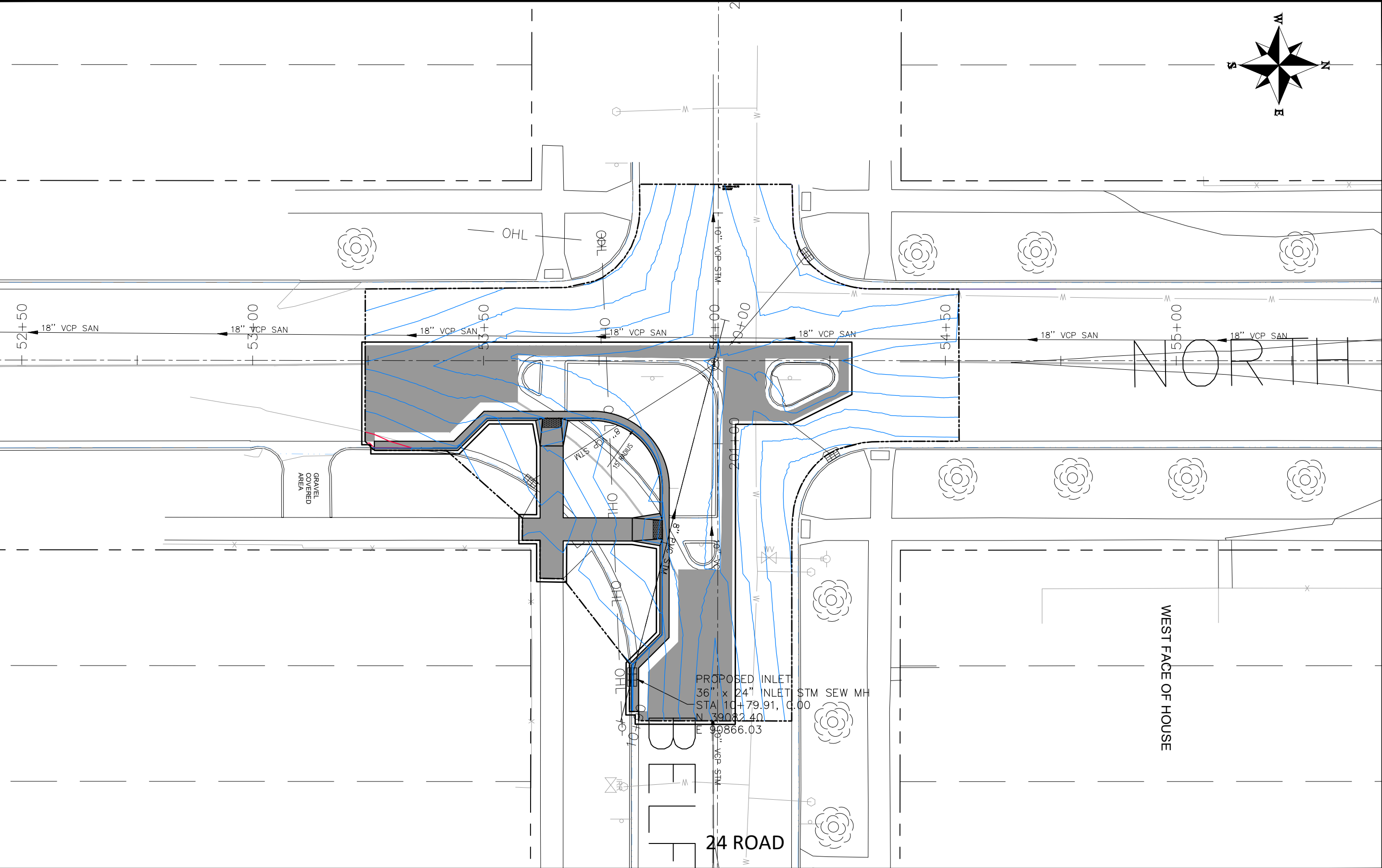
PUBLIC WORKS
ENGINEERING DIVISION

4TH & 5TH STREETS IMPROVEMENTS
5TH STREET AND NORTH AVE
IMPROVEMENT PLAN - 3



MATCH LINE

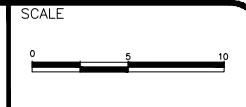
MATCH LINE



MATCH LINE

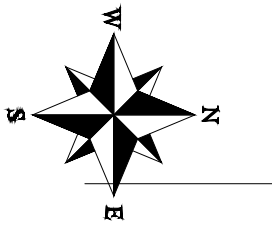
REVISION	DESCRIPTION	DATE
REVISION A REV 1		- DATE
REVISION B REV 2		- DATE
REVISION C REV 3		- DATE
REVISION D REV 4		- DATE

DRAWN BY	JOE	DATE	2030
DESIGNED BY	JOE	DATE	2030
CHECKED BY	JOE	DATE	2030
APPROVED BY	JOE	DATE	2030



**PUBLIC WORKS
ENGINEERING DIVISION**
PROJECT NO. F2201

D 1/2 RD, 29 TO 30 RD
STAKING PLAN - 1
April 12, 2024



MATCH LINE

MATCH LINE

-4.9%

5.27%

-5.0%

-4.2%

-3.61%

-4.1%

24 ROAD

-2.7%

-2.5%

OHL

OHL

OHL

OHL

OHL

OHL

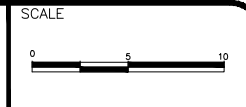
OHL

OHL

8" VCP STM

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION A REV 1		- DATE	JOE	2030
REVISION B REV 2		- DATE	JOE	2030
REVISION C REV 3		- DATE	JOE	2030
REVISION D REV 4		- DATE	JOE	2030

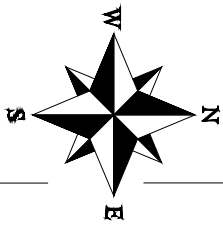
DESIGNED BY	JOE	DATE	2030
CHECKED BY	JOE	DATE	2030
APPROVED BY	JOE	DATE	2030



PUBLIC WORKS
ENGINEERING DIVISION
PROJECT NO. F2201

D 1/2 RD, 29 TO 30 RD
STAKING PLAN - 2
April 12, 2024

N:\EngProj\F2201 (4th-5th Street Improvements)\60CAD\DESIGN\04STAKING PLAN.dwg - PLOTTED 4/12/2024 1:46:03 PM



MATCH LINE

MATCH LINE

ALLEY

8" PVC SAN

24 ROAD

-2.3%

-1.5%

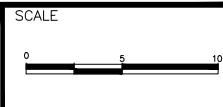
-1.7%

-1.8%

MATCH LINE

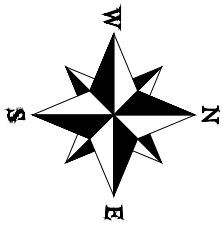
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REVISION Δ REV 2		
REVISION Δ REV 3		
REVISION Δ REV 4		

DRAWN BY	JOE	DATE	2030
DESIGNED BY	JOE	DATE	2030
CHECKED BY	JOE	DATE	2030
APPROVED BY	JOE	DATE	2030



PUBLIC WORKS
ENGINEERING DIVISION
PROJECT NO. F2201

D 1/2 RD, 29 TO 30 RD
STAKING PLAN - 3
April 12, 2024



MATCH LINE

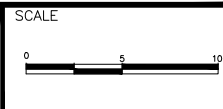
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24 ROAD

MATCH LINE

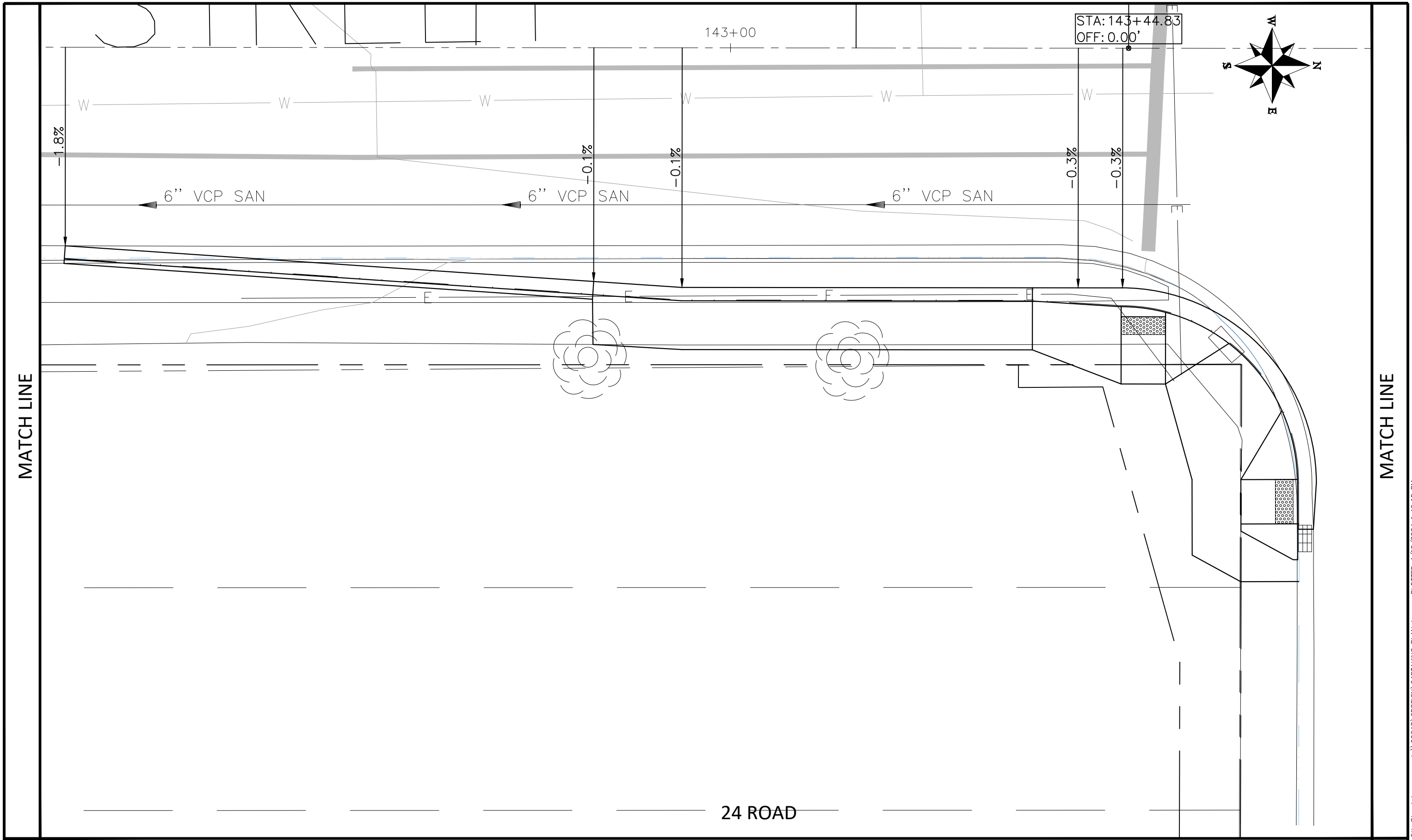
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△ REV 2		
△ REV 3		
△ REV 4		

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DESIGNED BY	JOE	DATE	2030
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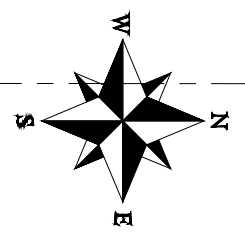


PUBLIC WORKS
ENGINEERING DIVISION
PROJECT NO. F2201

D 1/2 RD, 29 TO 30 RD
STAKING PLAN - 4
April 12, 2024



STA: 143+44.83
OFF: 0.00'



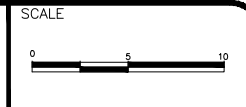
MATCH LINE

MATCH LINE

MATCH LINE

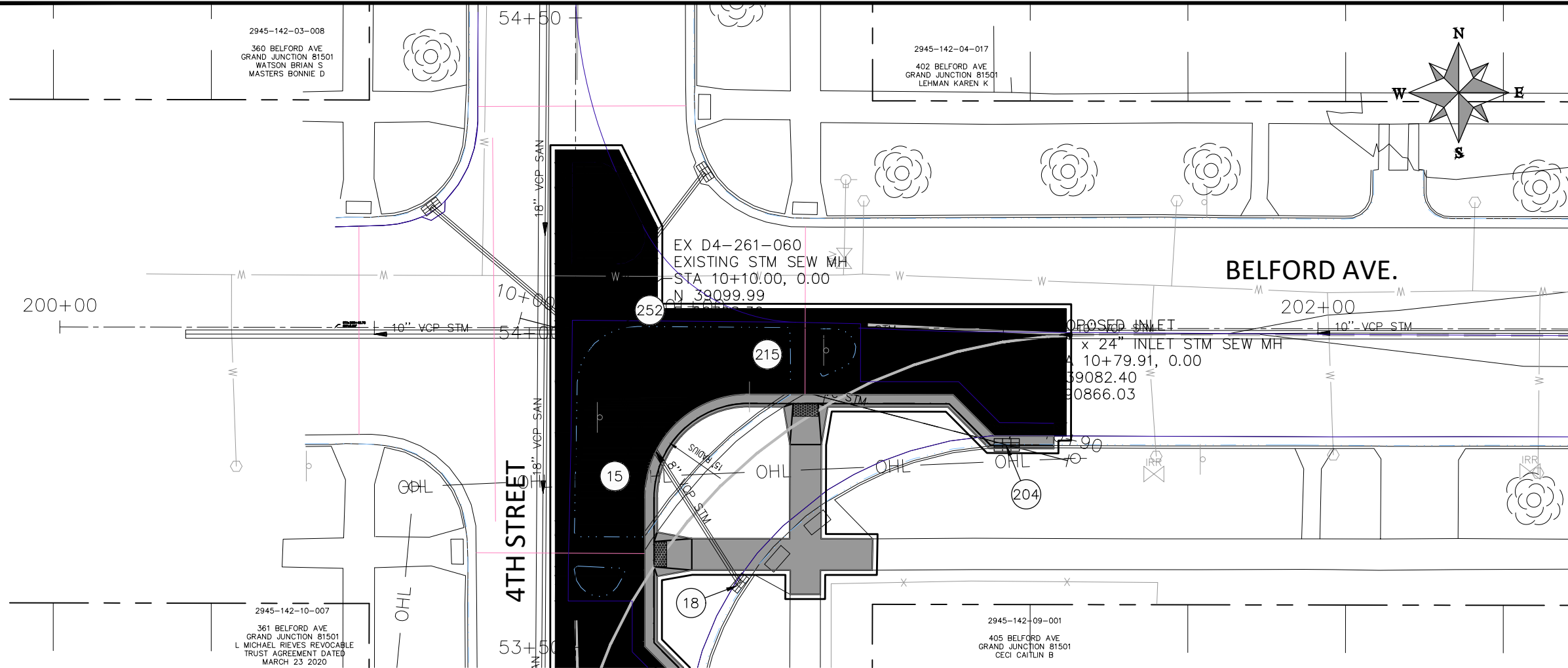
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REVISION Δ REV 1		- DATE
REVISION Δ REV 2		- DATE
REVISION Δ REV 3		- DATE
REVISION Δ REV 4		- DATE

DRAWN BY	JOE	DATE	2030
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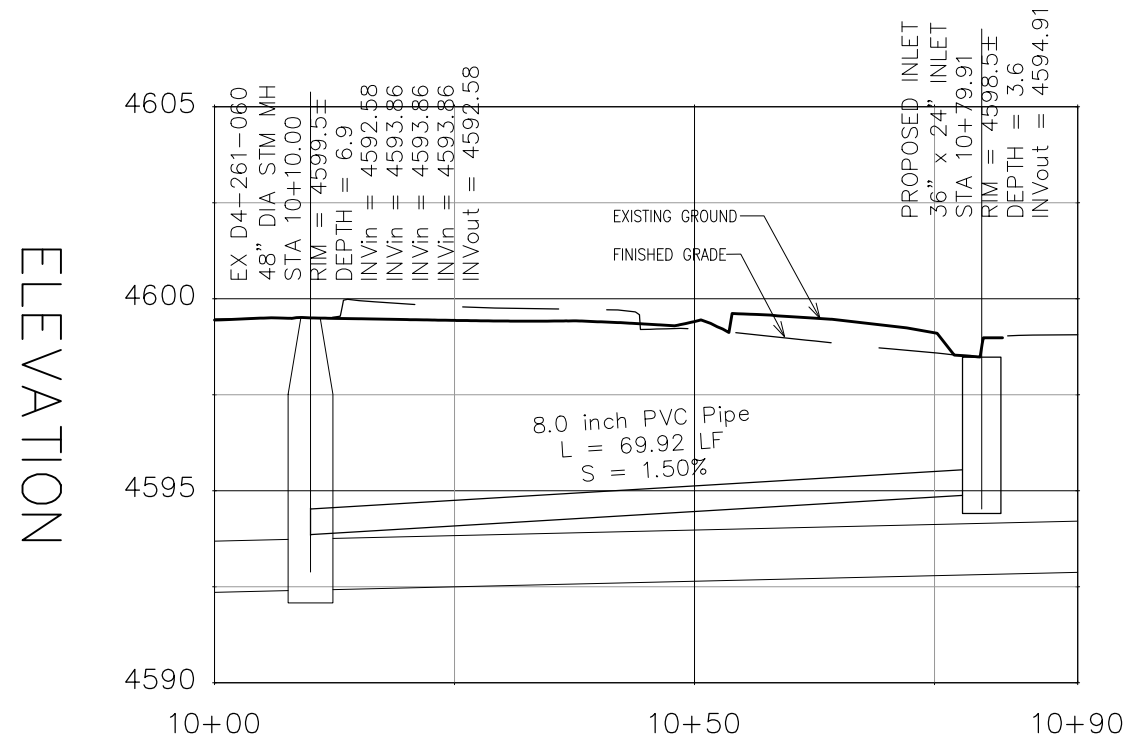


**PUBLIC WORKS
ENGINEERING DIVISION**
PROJECT NO. F2201

D 1/2 RD, 29 TO 30 RD
STAKING PLAN - 5
April 12, 2024



- ### CONSTRUCTION NOTES
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 18 202 - REMOVE STORM DRAIN INLET. CONTRACTOR SHALL SALVAGE FRAME AND GRATE AND DELIVER TO CITY SHOPS.
 - 204 102.13/108.6 - SINGLE STORM DRAIN INLET (VERTICAL CURB) (SEE CITY OF GRAND JUNCTION STANDARD DETAIL D-07).
 - 215 102.10/108.2 - 8" STORM DRAIN PIPE (PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 252 102.10/108.2 - CONNECT TO EXISTING MANHOLE (8" PIPE). (SEE CITY OF GRAND JUNCTION STANDARD DETAIL D-12).



REVISION	DESCRIPTION	DATE	PROJECT NO. F2201
REVISION Δ XXX		202X	DRAWN BY DJM DATE 09/2022
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REVISION Δ XXX		202X	CHECKED BY EM DATE 02/2023
REVISION Δ XXX		202X	APPROVED BY KH DATE 02/2023

SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 20'	0 5 10 20
VERTICAL: 1" = 5'	0 1.25 2.5 5



**PUBLIC WORKS
ENGINEERING DIVISION**

**4TH & 5TH STREETS IMPROVEMENTS
4TH STREET AND BELFORD AVENUE
UTILITY PLAN & PROFILE - 1**

NOTES:

1. CENTER LINES
 - a. BROKEN YELLOW, 4 IN. WIDE - 10 FT. SEGMENTS WITH 30 FT. GAPS.
 - b. SOLID YELLOW, 4 IN. WIDE. THESE LINES SEPARATE ADJACENT-OPPOSITE DIRECTION TRAFFIC LANES. DOUBLE LINES SHALL BE SPACED 4 IN. APART.
2. LANE LINES
 - a. BROKEN WHITE, 4 IN. WIDE - 10 FT. SEGMENTS WITH 30' GAPS.
 - b. SOLID WHITE, 4 IN. WIDE. THESE LINES SEPARATE ADJACENT-SAME DIRECTION TRAFFIC LANES. A SOLID LINE MAY BE USED TO DISCOURAGE LANE CHANGING, WHILE TWO PARALLEL SOLID WHITE LINES ARE REQUIRED TO PROHIBIT LANE CHANGING.
3. EDGE LINES
 - a. SOLID WHITE OR YELLOW EDGE LINES SHALL BE 4 IN. WIDE. YELLOW EDGE LINES SHALL BE USED ONLY FOR LEFT EDGE, IN THE DIRECTION OF TRAVEL OF DIVIDED STREETS AND HIGHWAYS (SEPARATED BY OTHER THAN A PAINTED MEDIAN) AND ONE-WAY ROADWAYS (INCLUDING RAMPS).
 - b. EDGE LINES ARE NOT CONTINUED THROUGH INTERSECTIONS AND ARE NOT BROKEN FOR DRIVEWAYS. CARE MUST BE TAKEN TO AVOID EDGE LINE APPEARING AS LANE LINE ALONG ROADWAYS WITH WIDE SHOULDERS AND/OR CLOSELY SPACED DRIVEWAYS.
4. DOTTED EXTENSION LINES

BROKEN WHITE, WIDTH MATCHING THE LINE BEING EXTENDED-2 FT. SEGMENTS WITH 4 FT. GAPS. THESE LINES ARE USED TO DELINEATE THE EXTENSION OF A LINE THROUGH AN INTERSECTION OR INTERCHANGE AREA.
5. CHANNELIZING LINES

SOLID WHITE, 8 IN. WIDE. THESE LINES ARE USED WITH ACCELERATION-DECELERATION LANES, PAVEMENT WIDTH TRANSITIONS, AND LEFT-RIGHT TURN SLOTS OR ISLANDS.
6. CROSS-HATCHING LINES
 - a. SOLID WHITE OR YELLOW, 8 IN. WIDE-45 DEGREE DIAGONAL, SPACED AT 25 FT. INTERVALS. THESE LINES ARE OPTIONAL AND MAY BE PLACED AT LOCATIONS INDICATED ON THE PLANS OR DETERMINED BY THE ENGINEER. YELLOW SHALL BE USED FOR PAINTED MEDIANS OR PAVEMENT WIDTH TRANSITIONS ONLY.
 - b. OPTIONAL DIAGONAL SHOULDER MARKINGS SHALL BE SOLID WHITE, 8 IN. WIDE, SPACED AT INTERVALS OF 20 FT. MINIMUM TO 100 FT. MAXIMUM
7. PARKING LINES

SOLID WHITE, 3 IN. WIDE-DIAGONAL OR PARALLEL AS SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
8. STOP LINES

SOLID WHITE, 24 IN. WIDE-EXTEND PARALLEL TO INTERSECTED ROADWAY ACROSS ALL APPROACH LANES OR AS INDICATED AT LOCATIONS ON THE PLANS. LOCATE AT THE DESIRED STOPPING POINT, NOT MORE THAN 30 FT, NOR LESS THAN 4 FT. FROM THE NEAREST EDGE OF THE INTERSECTED TRAFFIC LANE.

9. LANE DROP/ AUX LINES

BROKEN WHITE, 8 IN. WIDE - 3 FT. SEGMENTS WITH 12 FT. GAPS. THESE LINES SHOULD BEGIN 2600 FT. IN ADVANCE OF THE THEORETICAL GORE POINT TO DISTINGUISH THE LANE DROP FROM A CONTINUOUS LANE. THE CHANNELIZING LINE MAY BE EXTENDED APPROXIMATELY 300 FT. UPSTREAM.
10. ACCEL LANE LINES

BROKEN WHITE, 4 IN WIDE - 3 FT SEGMENTS WITH 12 FT GAPS. THESE LINES WOULD BE USED WHERE TWO THRU LANES OR AN ACCEL LANE MERGE INTO ONE THRU LANE.
11. CROSSWALK LINES
 - a. SOLID WHITE, 12 IN. WIDE FOR TRANSVERSE LINE TYPE - EXTEND ACROSS ENTIRE WIDTH OF PAVEMENT. IF NO ADVANCE STOP LINE IS PROVIDED, INCREASE THE WIDTH OF THE CROSSWALK LINES TO 24 IN. THE DISTANCE BETWEEN THE LINES IS USUALLY DETERMINED BY THE WIDTH OF THE SIDEWALKS SO CONNECTED, HOWEVER, IN NO CASE SHALL THIS BE LESS THAN 6 FT.
 - b. COMPLICATED AND/OR CHANNELIZED INTERSECTIONS AND MID-BLOCK CROSSWALKS SHALL BE SOLID WHITE, 12 IN. TO 24 IN. WIDE AND 8 FT. TO 10 GAPS. LONG FOR LONGITUDINAL LINE TYPE AS DETAILED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
12. WORD, ARROW AND SYMBOL MARKINGS

ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH "THE STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" ADOPTED BY THE FEDERAL HIGHWAY ADMINISTRATION.
13. MERGING TAPER LENGTH

L = MINIMUM LENGTH OF TAPER.
 S = DESIGN SPEED FOR NEW CONSTRUCTION OR NUMERICAL VALUE OF THE POSTED SPEED LIMIT OF THE 85TH PERCENTILE SPEED OF EXISTING TRAFFIC.
 W = WIDTH TRANSITIONED.

FORMULA: FOR SPEED 45 MPH OR MORE, $L=S \times W$
 FOR SPEED 40 MPH OR LESS, $L= WS^2/60$
14. TRANSITION LINES

SOLID YELLOW, 8 IN. WIDE. THESE LINES ARE USED WHERE ADDITIONAL EMPHASIS OR VISIBILITY IS DESIRABLE AT PAVEMENT WIDTH TRANSITIONS. PLACE AT LOCATIONS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
15. SPEED MEASURING MARKING

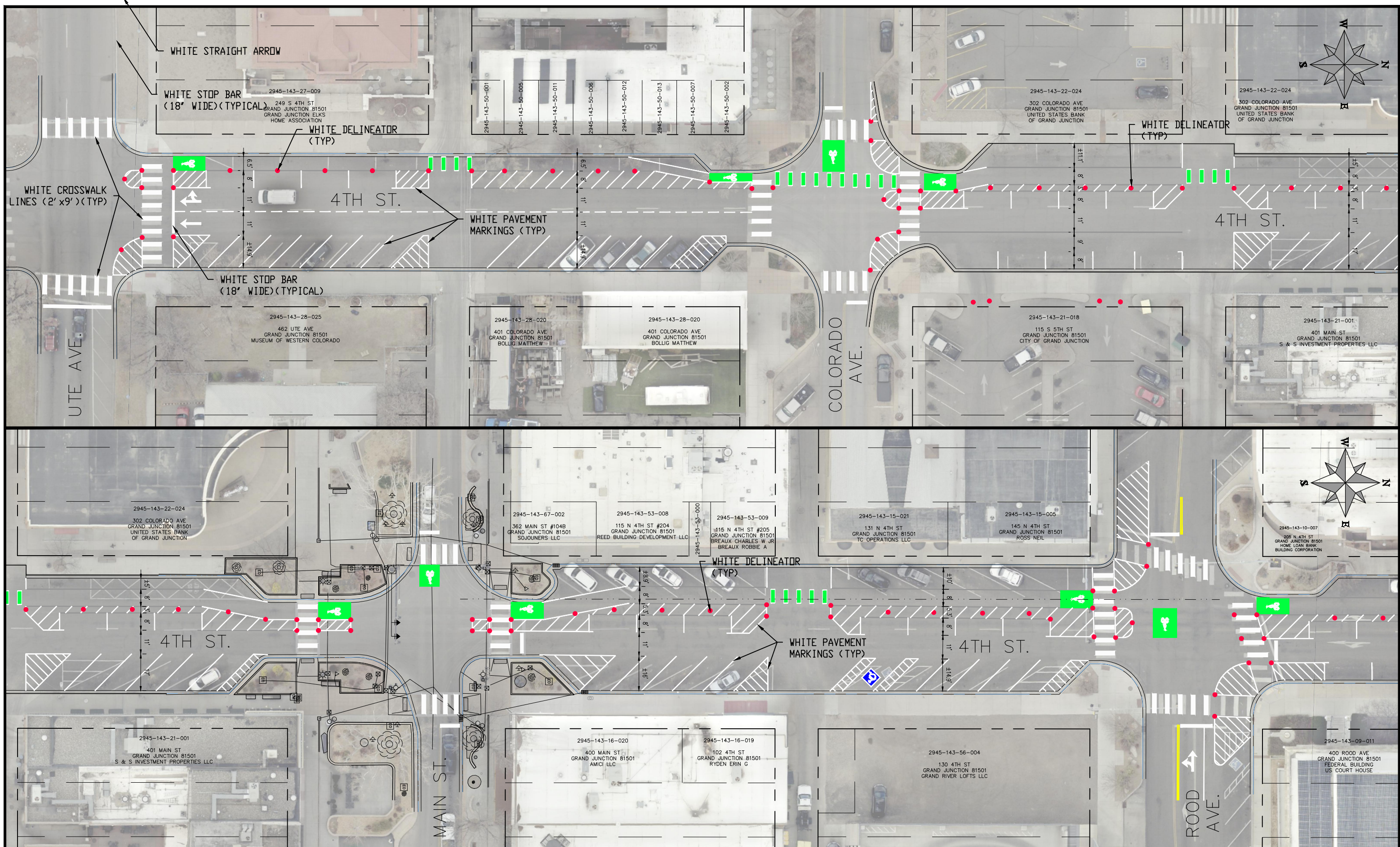
SOLID WHITE, 24 IN. - EXTEND 4 FT. FROM OUTSIDE OF EDGE LINES ON SHOULDERS.

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PUBLIC WORKS
ENGINEERING DIVISION

4TH & 5TH STREETS IMPROVEMENTS
GENERAL NOTES - STRIPING



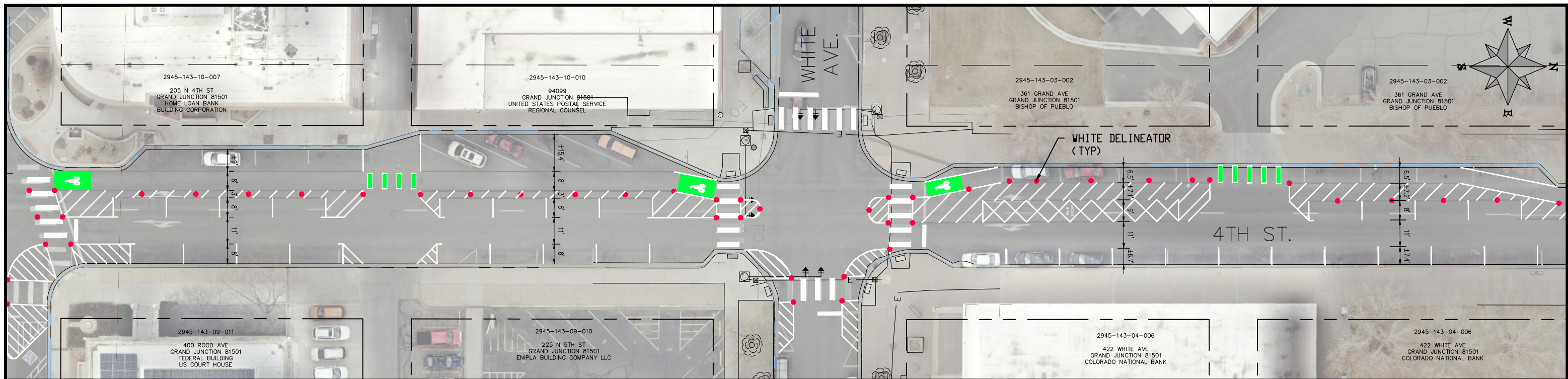
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SCALE: PLAN & PROFILE
HORIZONTAL: 1" = 40'
VERTICAL: 1" = N/A



**PUBLIC WORKS
ENGINEERING DIVISION**

**4TH & 5TH STREETS IMPROVEMENTS
4TH STREET (UTE AVE. TO ROOD AVE.)
STRIPING PLAN - 1**



REVISION	DESCRIPTION	DATE	PROJECT NO. F2201
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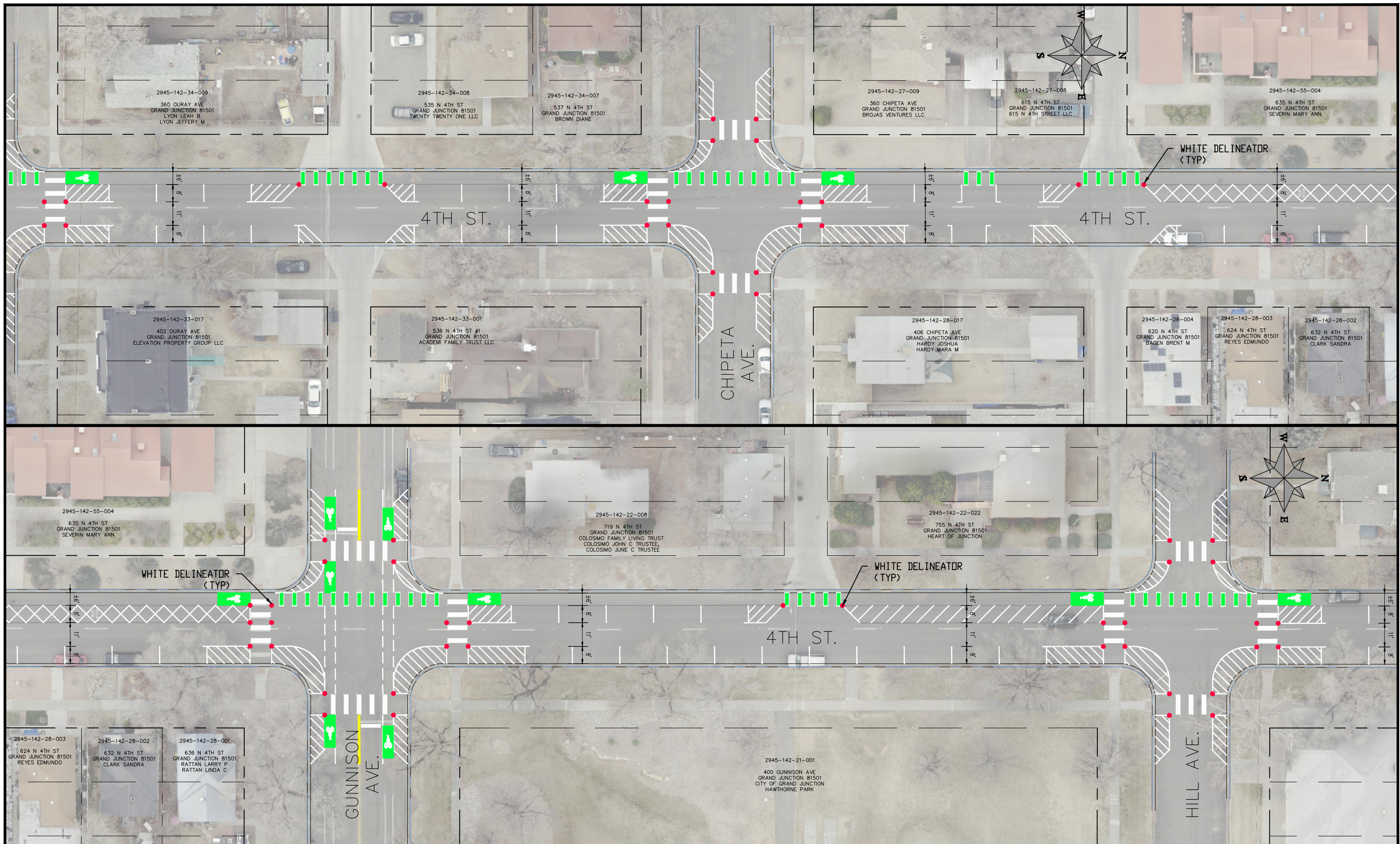
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VERTICAL: 1" = 10'	N/A



PUBLIC WORKS
ENGINEERING DIVISION

4TH & 5TH STREETS IMPROVEMENTS
4TH STREET (ROOD AVE. TO OURAY AVE.)
STRIPING PLAN - 2

OURAY AVE.



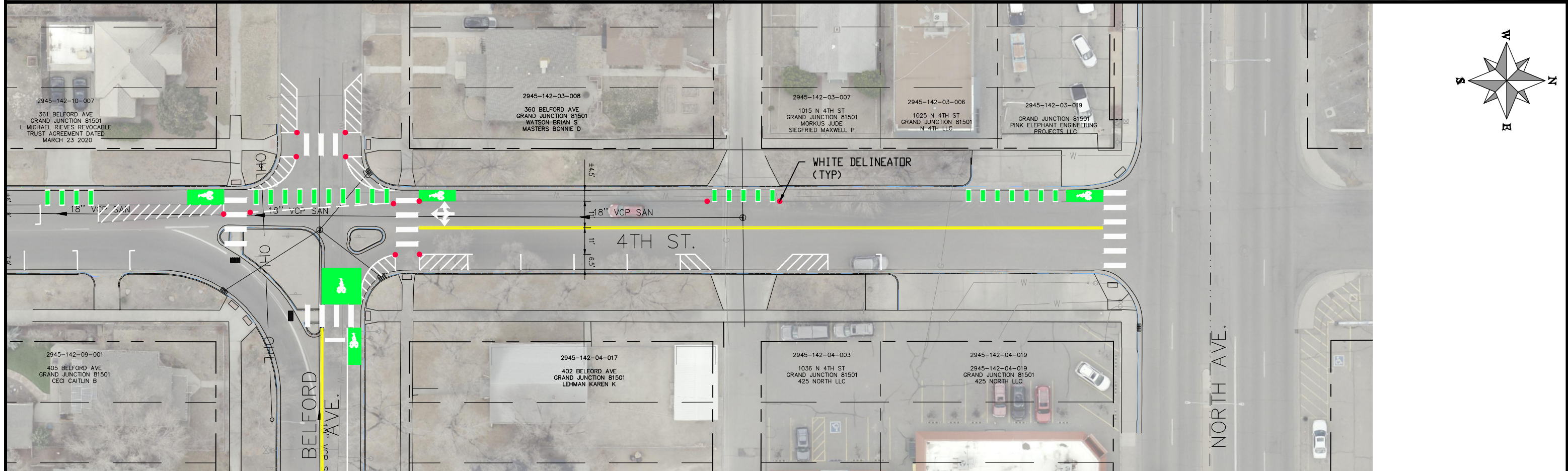
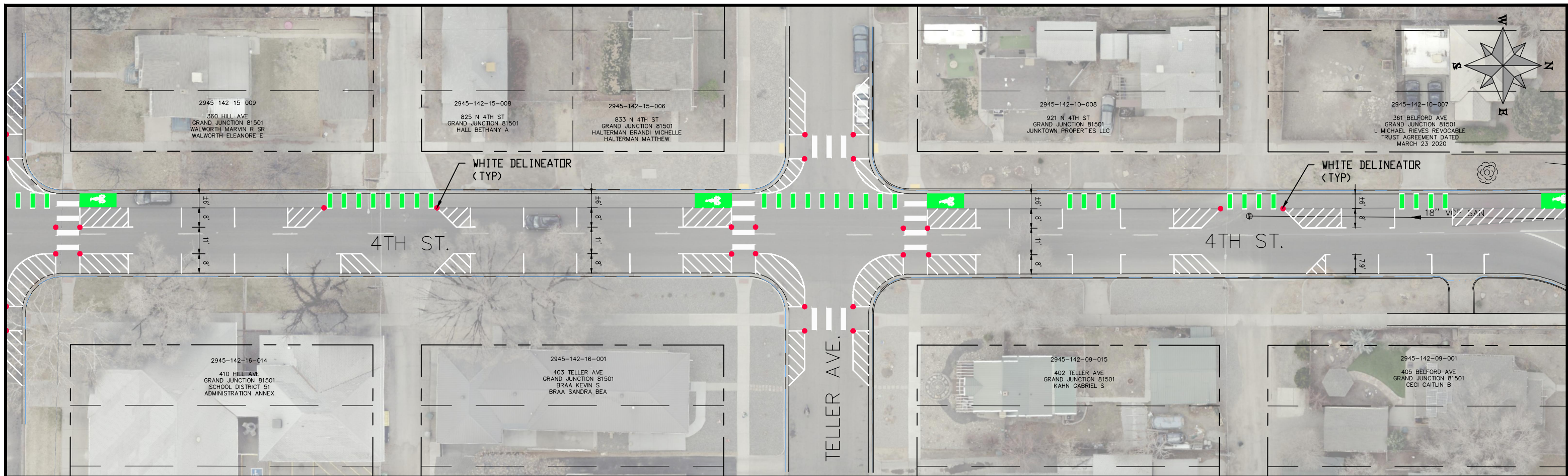
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REVISION Δ XXX		202X	APPROVED BY KH DATE 02/2023

SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 40'	0 10 20 40
VERTICAL: 1" =	N/A



**PUBLIC WORKS
ENGINEERING DIVISION**

**4TH & 5TH STREETS IMPROVEMENTS
4TH STREET (OURAY AVE. TO HILL AVE.)
STRIPING PLAN - 3**



REVISION	DESCRIPTION	DATE
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REVISION Δ XXX		202X

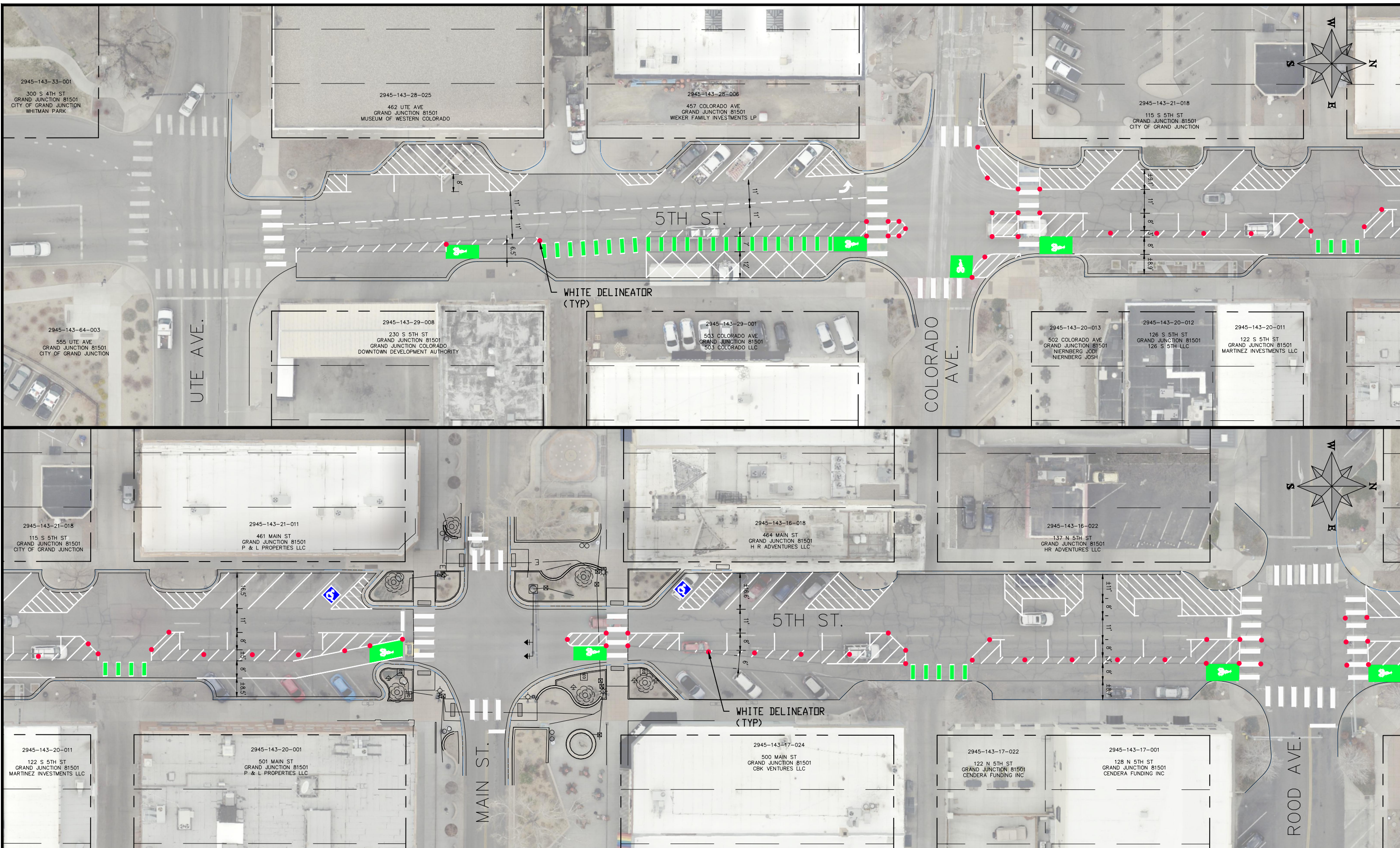
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APPROVED BY	02/2023

SCALE	PLAN & PROFILE
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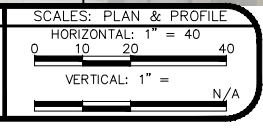


**PUBLIC WORKS
ENGINEERING DIVISION**

**4TH & 5TH STREETS IMPROVEMENTS
4TH STREET (HILL AVE. TO NORTH AVE.)
STRIPING PLAN - 4**

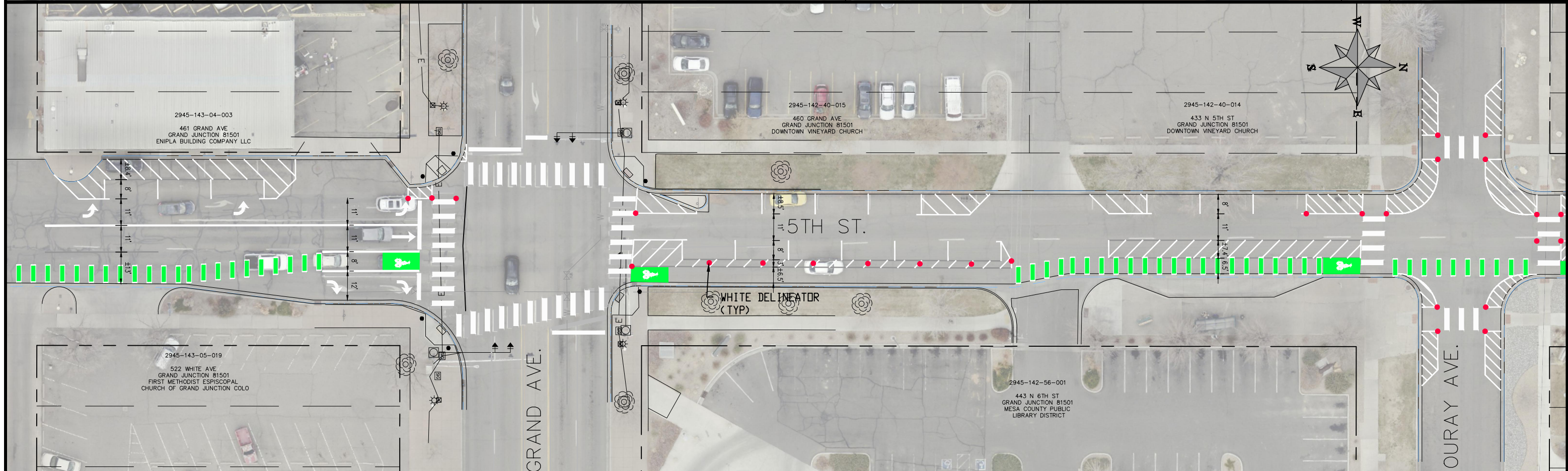
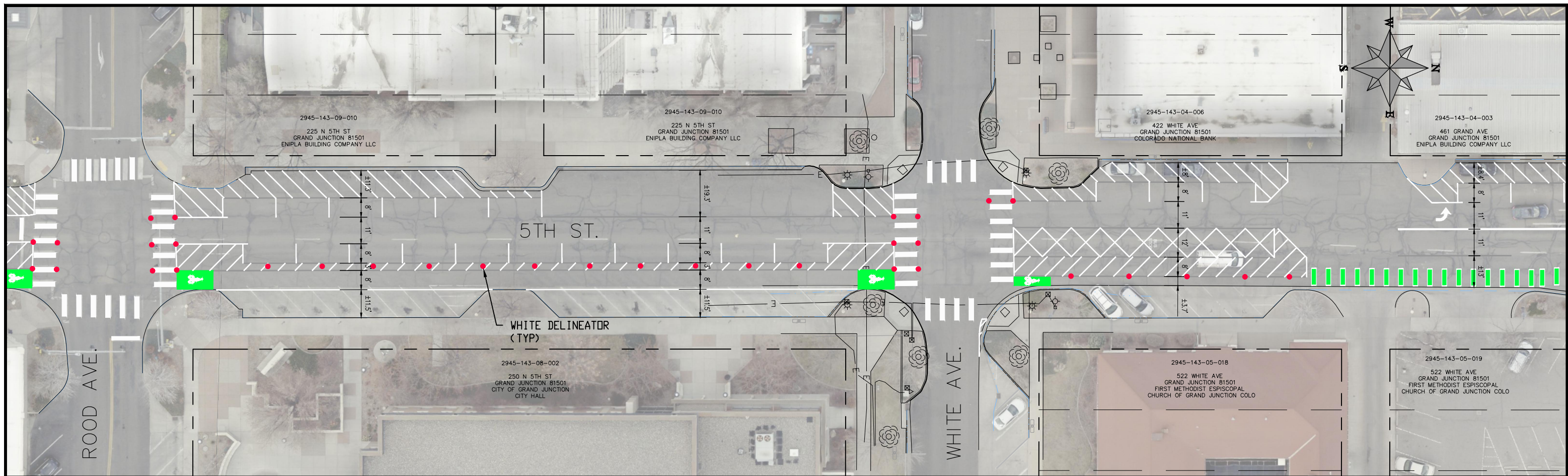


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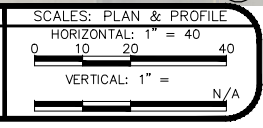


**PUBLIC WORKS
ENGINEERING DIVISION**

**4TH & 5TH STREETS IMPROVEMENTS
5TH STREET (UTE AVE. TO ROOD AVE.)
STRIPING PLAN - 5**

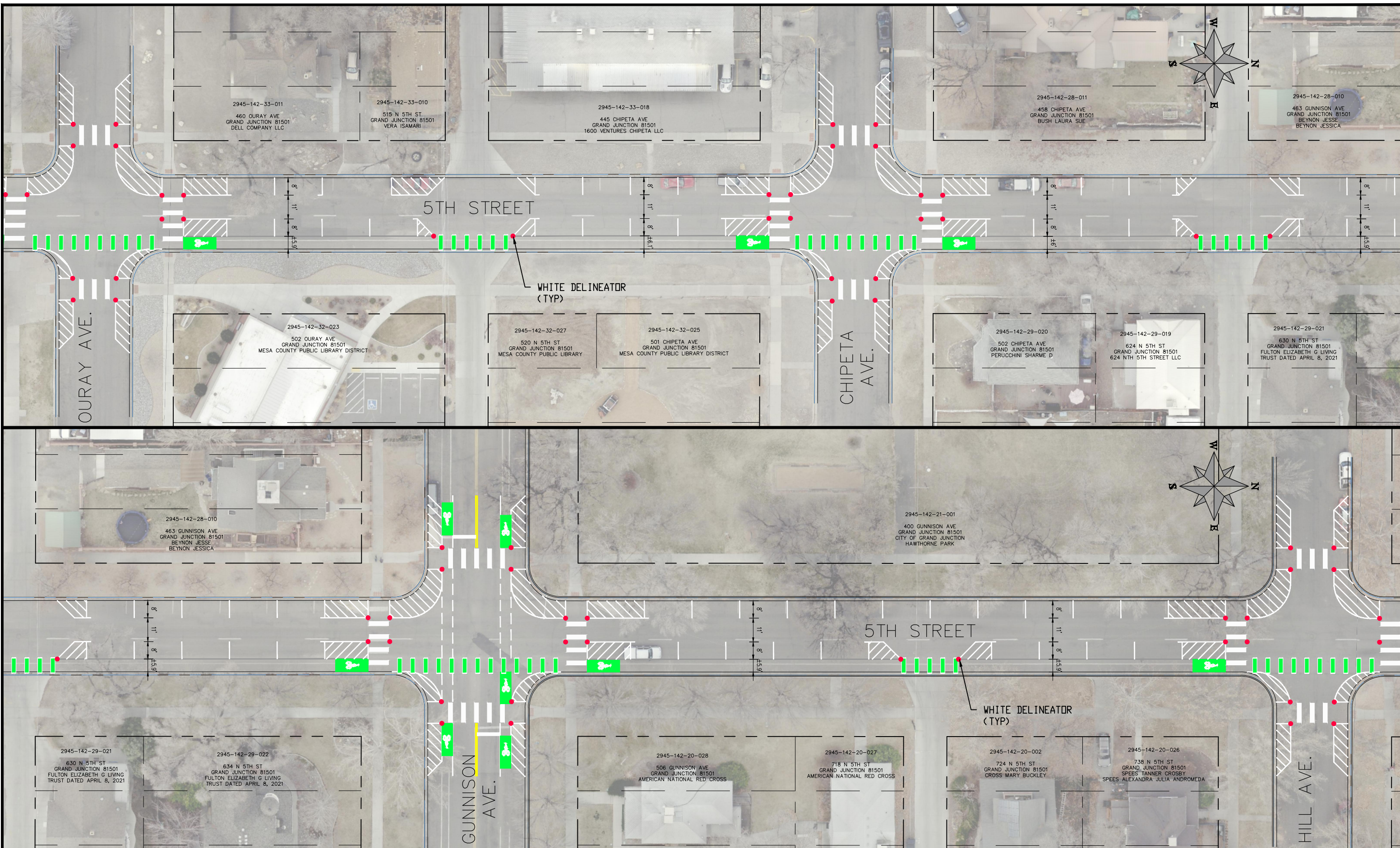


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**PUBLIC WORKS
ENGINEERING DIVISION**

**4TH & 5TH STREETS IMPROVEMENTS
5TH STREET (ROOD AVE. TO OURAY AVE.)
STRIPING PLAN - 6**



REVISION	DESCRIPTION	DATE	PROJECT NO. F2201
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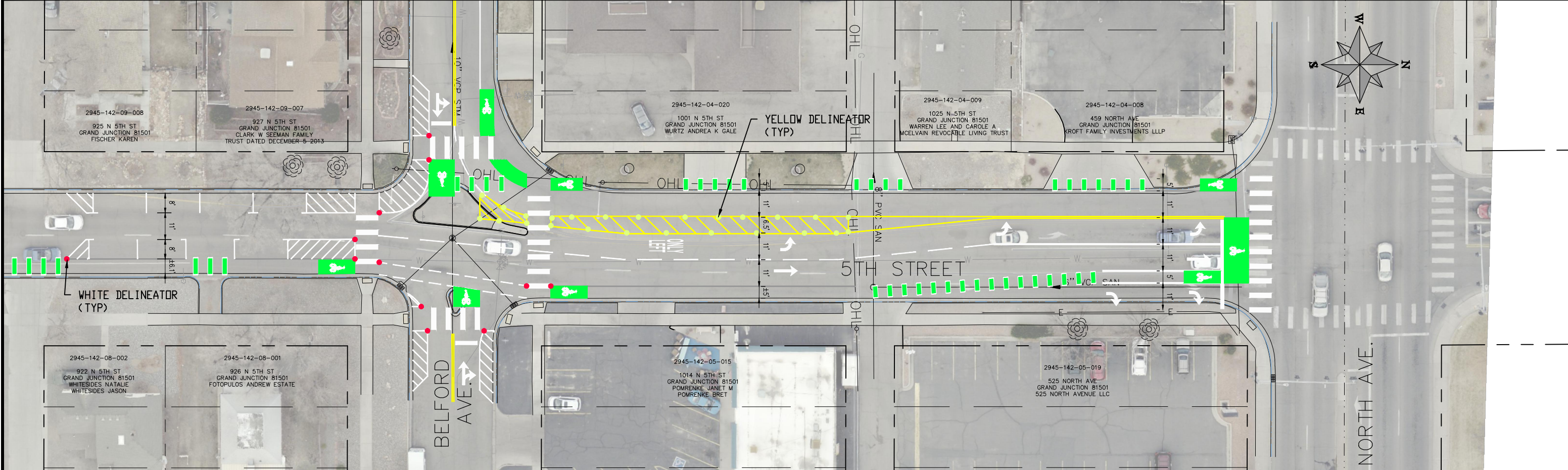
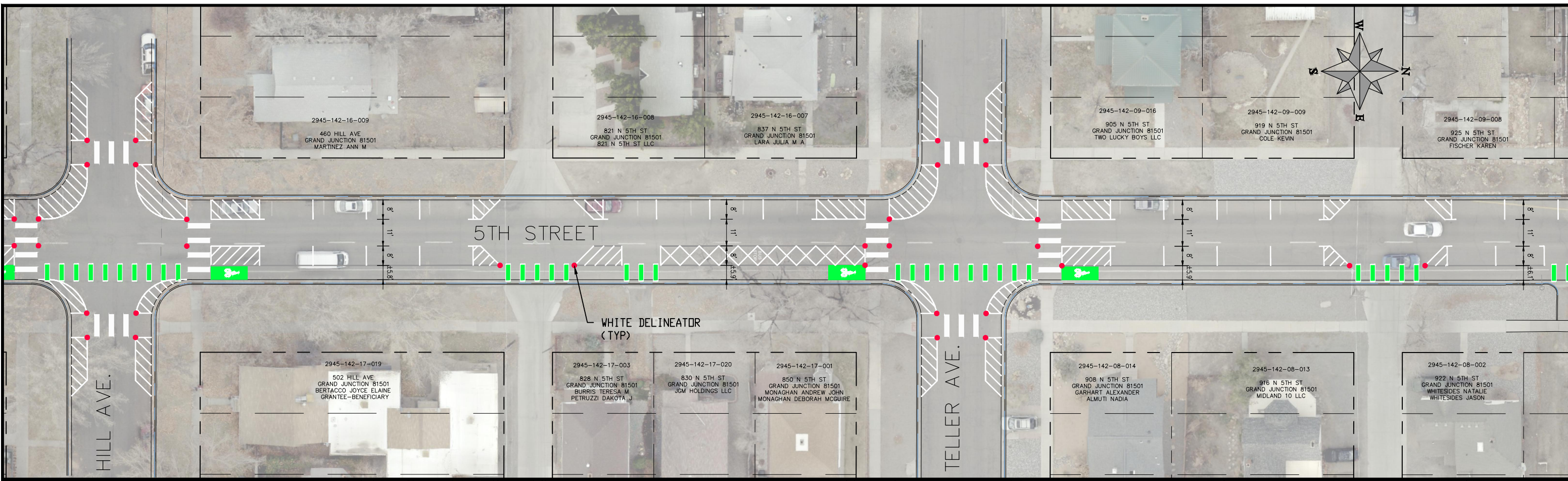
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SCALES: PLAN & PROFILE	
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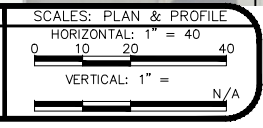


**PUBLIC WORKS
ENGINEERING DIVISION**

**4TH & 5TH STREETS IMPROVEMENTS
5TH STREET (OURAY AVE. TO HILL AVE.)
STRIPING PLAN - 7**

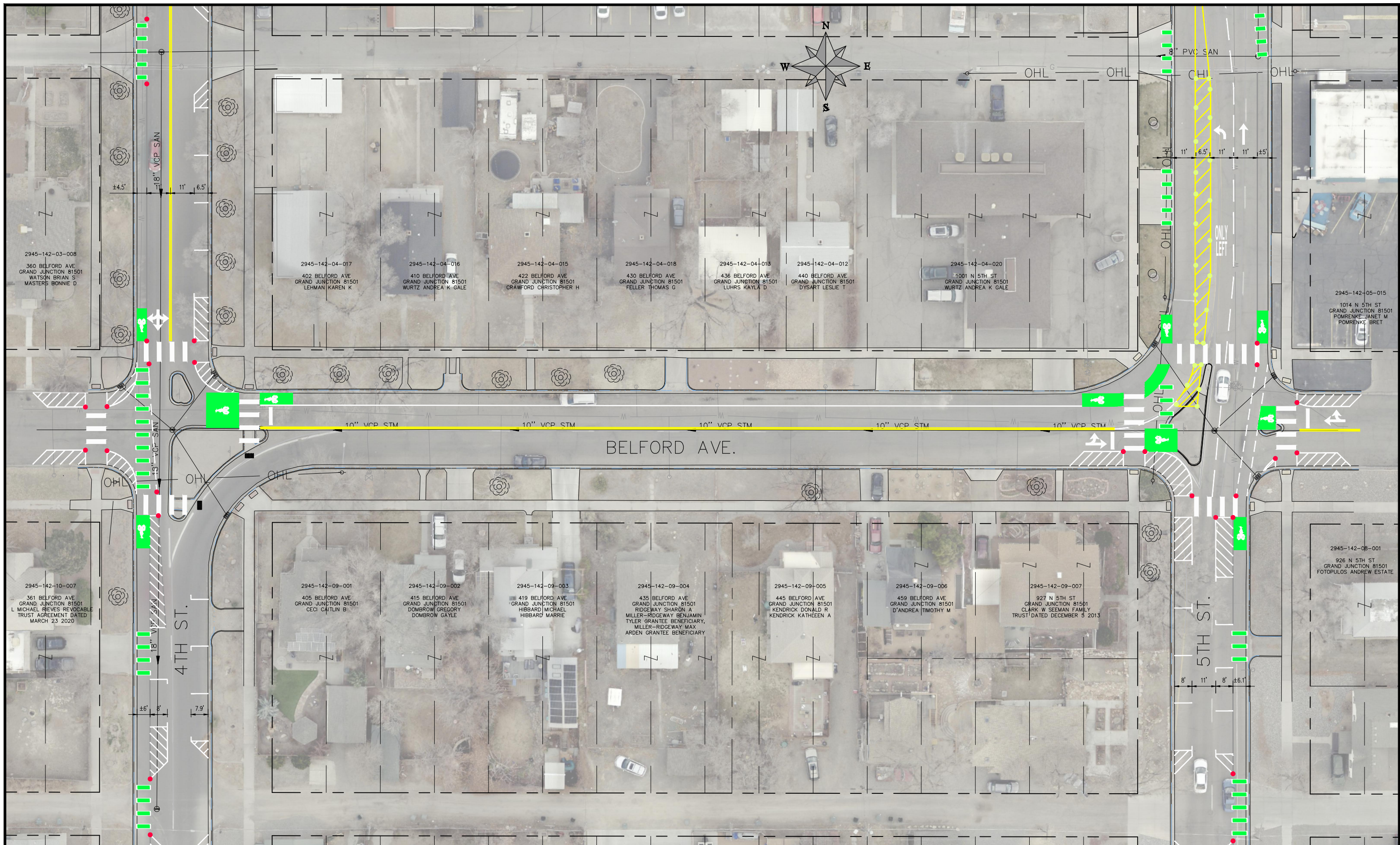


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REVISION Δ XXX		202X	CHECKED BY EM DATE 02/2023
REVISION Δ XXX		202X	APPROVED BY KH DATE 02/2023



PUBLIC WORKS
ENGINEERING DIVISION

4TH & 5TH STREETS IMPROVEMENTS
5TH STREET (HILL AVE. TO NORTH AVE.)
STRIPING PLAN - 9



REVISION	DESCRIPTION	DATE
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PROJECT NO.	DATE
F2201	09/2022
DESIGNED BY DJM	01/2023
CHECKED BY EM	02/2023
APPROVED BY KH	02/2023

SCALE: PLAN & PROFILE
HORIZONTAL: 1" = 40'
VERTICAL: 1" = N/A



**PUBLIC WORKS
ENGINEERING DIVISION**

**4TH & 5TH STREETS IMPROVEMENTS
BELFORD AVE. (4TH ST. TO 5TH ST.)
STRIPING PLAN - 9**