

PoDI / NHS

FHWA PROJECT OF DIVISION INTEREST (PoDI)?

☒ NO ☐ YES

NATIONAL HIGHWAY SYSTEM?

☒ NO ☐ YES

CITY OF DURANGO, COLORADO

MIDTOWN SAFETY AND CONNECTIVITY PROJECT

MARCH 7, 2025

TABULATION OF LENGTH & DESIGN DATA					
STATION	FEET				MAJOR ST.
	2ND AVE.	13TH ST.	14TH ST.	15TH ST.	
BEGIN 2ND AVE IMPROVEMENTS STA 20+57 (13TH ST INTERSECTION)	1093				
END 2ND AVE IMPROVEMENTS STA 31+50 (NORTH OF 15TH ST)					
BEGIN 13TH ST IMPROVEMENTS STA 130+22 (AT MAIN AVE)					
END 13TH ST IMPROVEMENTS STA 133+85 (2ND AVE INTERSECTION)		363			
BEGIN 14TH ST IMPROVEMENTS STA 140+18 (AT MAIN AVE)					
END 14TH ST IMPROVEMENTS STA 147+52 (AT 3RD AVE)			734		
BEGIN 15TH ST IMPROVEMENTS STA 150+08 (AT MAIN AVE)					
END 15TH ST IMPROVEMENTS STA 156+00 (EAST OF 2ND AVE)				592	
TOTAL	1093	363	734	592	0
SUMMARY PROJECT LENGTH	FEET				MILES
MAJOR STRUCTURE	0				0
PROJECT GROSS LENGTH	2782				0.53

DESIGN DATA	2ND AVE.	13TH ST.	14TH ST.	15TH ST.
MAXIMUM RADIUS OF CURVE	MATCH EX.	MATCH EX.	MATCH EX.	MATCH EX.
MAXIMUM GRADE	MATCH EX.	MATCH EX.	MATCH EX.	MATCH EX.
MINIMUM S.S.D. HORIZONTAL	MATCH EX.	MATCH EX.	MATCH EX.	MATCH EX.
MINIMUM S.S.D. VERTICAL	MATCH EX.	MATCH EX.	MATCH EX.	MATCH EX.
MAXIMUM DESIGN SPEED	25 MPH	25 MPH	25 MPH	25 MPH
2040 DESIGN TRAFFIC	5390	3000	3210	13630
DHV TRUCK	108	60	64	273
CLEAR ZONE DISTANCE (TANGENT)	1.5 FT.	1.5 FT.	1.5 FT.	1.5 FT.
CONSTRUCTION CLEAR ZONE	10 FT.	10 FT.	10 FT.	10 FT.



VICINITY MAP
1"=300'

SHEET NO.	SHEET NAME
1	TITLE SHEET
2	GENERAL NOTES
3	SURVEY TABULATION
4	M&S STANDARD PLANS LIST
5-6	SUMMARY OF APPROXIMATE QUANTITIES
7	SITE PLAN & GEOMETRIC CONTROL
8	TYPICAL SECTIONS
9-13	REMOVAL PLANS
14-17	UTILITY PLANS
18-22	ROADWAY PLANS
23-34	LAYOUT PLANS
35-40	SIGNING AND STRIPING PLANS
41-42	ROADWAY DETAILS
43-53	STORMWATER MANAGEMENT PLANS
54-58	LANDSCAPE PLANS

GENERAL NOTES:

1. PRIOR TO CONSTRUCTION WITH ALL SUBCONTRACTORS AND THE CITY OF DURANGO, THE CONTRACTOR SHALL TRANSMIT THE FOLLOWING INFORMATION TO THE CITY OF DURANGO OR DESIGNATED REPRESENTATIVE 7 DAYS PRIOR TO PRE-CONSTRUCTION CONFERENCE:
 - a. ALL MIX DESIGNS
 - b. ALL METHODS OF HANDLING TRAFFIC (MHTS) AND WORK ZONE SAFETY PLAN
 - c. ALL MATERIALS CERTIFICATES OF COMPLIANCE
 - d. ALL METHOD STATEMENTS
 - e. WORK ZONE SAFETY PLAN, INCLUDING FENCE (PLASTIC) USED TO DELINEATE WORK ZONE SAFETY HAZARDS. 607 FENCE (PLASTIC) TO BE PAID FOR INITIAL SET ONLY AS A 630 ITEM.
2. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST VERSIONS (INCLUDING ANY REVISIONS) OF THE CDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION AND M&S STANDARD PLANS.
3. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS PRIOR TO THE COMMENCEMENT OF ANY WORK ON THE PROJECT.
4. A QUALIFIED SUPERINTENDENT, WHO IS ACCEPTABLE TO THE OWNER, SHALL BE ON THE WORK SITE DURING ALL WORKING HOURS AND GIVE SUFFICIENT SUPERVISION TO THE WORK UNTIL PROJECT COMPLETION. THE SUPERINTENDENT SHALL HAVE FULL AUTHORITY TO ACT ON BEHALF OF THE CONTRACTOR, AND ALL DIRECTION GIVEN TO THE SUPERINTENDENT SHALL BE CONSIDERED GIVEN TO THE CONTRACTOR. IN GENERAL, THE SUPERINTENDENT SHALL NOT BE ENGAGED IN THE FULL-TIME OPERATION OF EQUIPMENT/MACHINERY ON THE WORK.
5. THE CONTRACTOR SHALL HAVE ALL APPROVED MHTS, PLANS SPECIFICATIONS, CDOT STANDARD PLANS, M&S STANDARDS, AND OTHER APPLICABLE DOCUMENTS/PERMITS ON SITE AT ALL TIMES DURING WORK HOURS.
6. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE CITY OF DURANGO, OR DESIGNATED REPRESENTATIVE, OF ANY PROBLEMS IN CONFORMING TO THE APPROVED PLANS FOR ANY ELEMENT OF THE PROPOSED IMPROVEMENTS PRIOR TO ITS CONSTRUCTION.
7. THE CITY OF DURANGO, OR DESIGNATED REPRESENTATIVE, SHALL BE THE RESPONSIBLE PARTY DURING CONSTRUCTION ACTIVITIES TO RESOLVE CONSTRUCTION PROBLEMS DUE TO CHANGED CONDITIONS OR DESIGN ERRORS ENCOUNTERED BY THE CONTRACTOR DURING THE PROGRESS OF ANY PORTION OF THE PROPOSED WORK. ANY IMPROVEMENTS CONSTRUCTED NOT IN ACCORDANCE WITH THE APPROVED PLANS OR THE APPROVED REVISED PLANS, SHALL BE REMOVED AND THE IMPROVEMENTS SHALL BE RECONSTRUCTED ACCORDING TO THE APPROVED PLANS AT THE EXPENSE OF THE CONTRACTOR.
8. THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO ALL PRIVATE PROPERTIES ADJACENT TO THE WORK THROUGHOUT THE PERIOD OF CONSTRUCTION.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE SET OF "AS CONSTRUCTED" PLANS TO THE CITY OF DURANGO OR DESIGNATED REPRESENTATIVES PRIOR TO FINAL ACCEPTANCE OF WORK.
10. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS AT AND ADJACENT TO THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
11. FIELD CONDITIONS MAY EXIST THAT REQUIRE CHANGES TO THE DRAWINGS. IF SUCH CONDITIONS ARE ENCOUNTERED, STANDARD ENGINEERING PRACTICES SHALL BE FOLLOWED, AND MUST BE APPROVED IN WRITING BY THE CITY OF DURANGO OR DESIGNATED REPRESENTATIVE PRIOR TO DOING WORK.
12. SEH WILL PROVIDE ELECTRONIC FILES WITH HORIZONTAL AND VERTICAL CONTROL AT THE REQUEST OF THE CONTRACTOR.
13. CONTRACTOR SHALL PROVIDE THE CITY OF DURANGO AND ENGINEER WITH PREFERRED TEMPORARY STAGING LOCATIONS ALONG THE PROJECT. THE CITY OF DURANGO AND ENGINEER WILL PROVIDE THE CONTRACTOR WITH UP TO 5 PARKING STALLS AT NO MORE THAN 2 LOCATIONS AT A TIME.
14. THE CONTRACTOR SHALL WORK WITHIN EXISTING STREET RIGHT-OF-WAY AND EXISTING PUBLIC EASEMENTS. HAND TOOLS MAY NEED TO BE USED FOR CERTAIN CONSTRUCTION ACTIVITIES TO AVOID TRESPASS ON PRIVATE PROPERTY.
15. ALL EQUIPMENT SHALL BE RUBBER Tired OR RUBBER TRACKED.
16. PER SECTION 203.06 OF THE CDOT SPECIFICATIONS, EXCAVATION FOR COMPACTION OF BASES OF CUTS AND FILLS WILL BE SUBSIDIARY TO THAT OPERATION AND WILL NOT BE PAID FOR SEPARATELY.
17. ANY MATERIAL THAT CANNOT BE REUSED ON THE PROJECT SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE HAULED OFF SITE.
18. PROOF-ROLLING IS REQUIRED FOR SUBGRADE AND ABC CLASS 6 AS DIRECTED BY THE ENGINEER USING A VEHICLE SPECIFIED BY THE ENGINEER. MATERIAL THAT IS PUMPING OR DEFORMING SHALL BE RE-WORKED, REPLACED, OR MODIFIED TO FORM A SMOOTH, STABLE, NON-YIELDING BASE FOR SUBSEQUENT COURSES AS DETERMINED BY THE INSPECTOR. THE CONTRACTOR IS TO CONTACT THE OWNER'S REPRESENTATIVE (INSPECTOR) AT LEAST 48 HOURS BEFORE PROOF-ROLLING.
19. COMPACTION OF SOILS, AGGREGATE BASES, AND STRUCTURE BACKFILL SHALL BE PER CDOT SPECIFICATIONS. ALL BASE GRAVELS SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DEFINED BY AASHTO T-180 (MODIFIED PROCTOR).

GENERAL NOTES (CONT):

20. SAWCUTS SHALL BE LOCATED AT PLANS UNLESS OTHERWISE APPROVED BY THE ENGINEER. SAWCUTTING SHALL NOT BE PAID FOR SEPARATELY AND SHALL BE INCIDENTAL TO REMOVAL OPERATIONS.
21. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL SAWCUT EDGES. ANY PATCHING IS THE RESPONSIBILITY OF THE CONTRACTOR.
22. ALL PAVING EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
23. FOR PLAN QUANTITIES OF PAVEMENT MATERIALS, THE FOLLOWING RATES WERE USED.

HOT MIX ASPHALT	147 LBS./CU. FT.
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24. APPLY TACK COAT (EMULSIFIED ASPHALT) BETWEEN ALL HMA LAYERS. TACK COAT WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCIDENTAL TO PAVING OPERATIONS.
25. DILUTED EMULSIFIED ASPHALT SHALL CONSIST OF 1 PART WATER AND 1 PART EMULSIFIED ASPHALT. RATES OF APPLICATION SHALL BE AS DETERMINED BY THE ENGINEER AT THE TIME OF APPLICATION.
26. CLEANING AND SWEEPING OF THE ROAD IS REQUIRED AS DIRECTED BY PROJECT ENGINEER.
27. ALL CONCRETE ITEMS SHALL MEET THE REQUIREMENTS FOR CLASS 2 SULFATE EXPOSURE LEVEL.
28. THE CONTRACTOR SHALL CONTAIN ALL CEMENTATION MATERIALS AND WASTEWATER IN THE CONCRETE WASHOUT FACILITY. THE CONTRACTOR SHALL SUBMIT A PLAN TO CONTAIN AND DISPOSE OF CONCRETE WASTES WITH A CONTINGENCY PLAN DESCRIBING LOCATION OF CONCRETE WASHOUT FACILITY AND A PLAN FOR ADDRESSING ACCIDENTAL RELEASES PER STANDARD SPECIFICATION 107.25(B)(5).
29. ITEM 608, CONCRETE SIDEWALK INCLUDES FIBER-REINFORCED CONCRETE PER REVISION OF SECTION 601. FIBER SHALL BE ADDED AT AN AMOUNT OF 1.5 LBS/CY.
30. PAVEMENT MARKING PAINT INCLUDES BEADS.
31. THE CONTRACTOR SHALL NOTIFY THE CITY OF DURANGO OR DESIGNATED REPRESENTATIVE AT LEAST 24 HOURS PRIOR TO ANY DESIRED CONSTRUCTION INSPECTIONS AND 3 DAYS PRIOR TO PERMANENT STRIPING AND/OR PAVEMENT MARKINGS. THE CONTRACTOR SHALL PROVIDE LIGHT PAINT MARKS SHOWING LOCATIONS OF WORD SYMBOL LOCATIONS.
32. THE COST FOR DETECTABLE WARNINGS SHALL BE INCIDENTAL TO THE COST OF THE CONCRETE CURB RAMP WHEN INSTALLING NEW CONCRETE.
33. ALL CURB RAMPS, SIDEWALK, AND CURB SHALL BE ADA/PROWAG COMPLIANT. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AN INSPECTION, BY THE PROJECT ENGINEER, OF ALL PEDESTRIAN RAMPS, SIDEWALKS AND CURB TO ADDRESS ANY PROBLEMS PRIOR TO CONCRETE PLACEMENT. NON-COMPLIANT RAMPS, SIDEWALK, AND CURB PLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
34. THE CONTRACTOR'S METHODS OF HANDLING TRAFFIC (MHT'S) SHALL INCLUDE ACCOMMODATING PEDESTRIANS IN AN ADA COMPLIANT MANNER, PER LATEST MUTCD REQUIREMENTS.
35. SIDEWALK CLOSED SIGNS SHALL BE MOUNTED ON AN ADA/PROWAG COMPLIANT BARRICADE WHICH INCLUDES A BOTTOM RAIL THAT IS DETECTABLE WITH A CANE.
36. A 1.5% CROSS SLOPE VALUE WAS USED FOR DESIGN PURPOSES TO HELP THE CONTRACTOR COMPLY WITH THE 2% MAXIMUM CROSS SLOPE PER ADA/PROWAG. ROADWAY PROFILE GRADE MAY ALLOW GREATER THAN 2%. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF LOCATIONS THAT MAY EXCEED 2% TO DISCUSS THE ALTERNATIVES.
35. RAMP SLOPES SHALL NOT EXCEED A 12:1 (8.33%). THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF LOCATIONS THAT MAY EXCEED 12:1 TO DISCUSS ALTERNATIVES.
36. FLARE SLOPES SHALL NOT EXCEED 10%. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF LOCATIONS THAT MAY EXCEED 10% TO DISCUSS ALTERNATIVES.
37. SIDEWALK AND RAMP WIDTHS SHOWN DO NOT INCLUDE CURBS.
38. CONTRACTOR SHALL SAWCUT AT EDGE OF PAVEMENT (EOP) FOR REMOVAL OF CURB AND GUTTER AND MATCH EXISTING EOP GRADE UNLESS OTHERWISE NOTED.
39. EVERY EFFORT IS MADE TO COMPLY WITH A 2% MAXIMUM CROSS SLOPE ON CURB RAMPS. HOWEVER, CURB RAMP CROSS SLOPES IN SOME LOCATIONS MATCH ROADWAY PROFILE AND THEREFORE MAY EXCEED 2% CROSS SLOPE.

UTILITY NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY LOCATES PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL PERFORM POTHOLING AS NECESSARY PRIOR TO CONSTRUCTION TO ENSURE UTILITIES ARE NOT DISTURBED.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES HAVING UNDERGROUND OR OVERHEAD UTILITIES IN THE CONSTRUCTION AREA. SUCH NOTIFICATION SHALL BE MADE PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION AND SHALL ADVISE THE COMPANIES OF THE CONTRACTOR'S CONSTRUCTION SCHEDULE AND NATURE OF WORK. CONTRACTOR SHALL PLACE WARNING SIGNS AT OVERHEAD POWER LINE LOCATIONS.
4. SEH CERTIFIES THAT THE UTILITIES SHOWN HEREIN HAVE BEEN DEPICTED AS QUALITY LEVEL D. SPECIFIC CONSTRUCTION MEASURE HAVE BEEN TAKEN TO MITIGATE FOR KNOWN UTILITY CONFLICTS BY PROTECTION THE SAME IN PLACE OR BY REQUIRING RELOCATION WORK TO BE COORDINATE WITH CONSTRUCTION. INFORMATION PERTAINING TO THE UTILITY WORK HAVE BEEN PERFORMED AS A PART OF THE PROJECT BY THE UTILITY OWNER AND/ OR THE CONTRACTOR.
5. UTILITY LOCATES/ QUALITY LEVEL DOES NOT RELIEVE CONTRACTOR OF THEIR DUTY TO CALL IN LOCATES FROM 811 OR THEIR REQUIRED DUE DILIGENCE PRIOR TO EXCAVATION.

PROJECT CONTACT LIST:

1. LPEA INC
970-247-5786
2. CENTURYLINK
970-259-1441
3. CITY OF DURANGO - DEVIN KING
970-375-5000
4. ATMOS ENERGY
970-565-7575
5. SEH, INC. - STEVE WINTERS
970-799-3779
6. CDOT - SAM SANDERS
970-739-0450

90% DESIGN SUBMITTAL

NO.	REVISIONS	DATE	BY	COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING: 811	DESIGNED <u>JBN</u>	DATE <u>3/7/2025</u>	 CITY OF DURANGO PUBLIC WORKS 105 S. CAMINO DEL RIO DURANGO, CO 80131	 PHONE: 970.385.4546 934 MAIN AVENUE SUITE C DURANGO, COLORADO 81301-51 www.sehinc.com	MIDTOWN SAFETY & CONNECTIVITY PROJECT	GENERAL NOTES		SHEET NO.
1					DRAWN <u>JBN</u>	DATE <u>3/7/2025</u>						2
2					CHECKED <u>SW</u>	DATE <u>3/7/2025</u>				SEH PROJECT NO.	DATE ISSUED	
3										161088	3/7/2025	2 OF 58
4												
5												

TO ESTABLISH GEOMETRIC CONTROL FOR THE CONSTRUCTION OF THIS PROJECT, THE DEPARTMENT HAS PROVIDED THE FOLLOWING INFORMATION:

Format *

☐ 3D Design Modeling Electronic Files

☒ Horizontal Control

☒ Vertical Control

☒ Roadway Alignment

☐ Original Terrain Data

☐ Other:

AUTOCAD DWG

AUTOCAD DWG

AUTOCAD DWG

* Specify the information format, ie., plan sheet, computer disk, computer printout, or other. The information marked is either contained on the plans or is available from the Engineer.

TYPE OF PROJECT

☒ Landscaping

☐ Signalization

☒ Safety Improvement

☐ Asphalt Overlay

☐ Concrete Overlay

☒ Minor Widening

☒ Major Reconstruction

☐ New Roadway Construction

☐ Bridge Replacement

☐ Bridge Widening

☐ New Bridge

☐ Other:

SURVEY WORK TO BE PERFORMED BY OTHERS:

WORK PERFORMED BY THE CONTRACTOR'S SURVEYOR UNDER SECTION 625:

☐ A complete passing Base Line report (completed within 6 months prior to the start of the project)

☒ An instrument calibration Certification (completed within 6 months prior to the start of the project)

☒ Establish and Maintain Project Centerline or Engineer Approved Offset Line(s)

☒ Verification and Maintenance of Horizontal and Vertical Control

☒ Verify or Determine existing grades and alignments

☒ Verify or Determine existing topography

☐ Clearing and Grubbing Limits (Section 201)

☒ Removal Limits (Section 202)

☒ Reset Items (Section 210)

☐ Excavation and Embankment (Section 203)

☐ Excavation

☐ Unclassified

☐ Stripping

☐ Muck

☐ Rock

☐ Borrow

☐ Other:

☐ Potholing

☐ Embankment

☐ Site Grading

☐ Erosion Control (Perm)

☐ Other:

☐ As Staked Earthwork Quantities

(See General Notes)

Excavation	Slope Staking (Y/N)	Grid (Y/N)	Grade (Y/N)	Special Interval
	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-

Embankment	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-

☒ Landscaping

☐ Top Soil (Section 207)

☐ Seeding (Section 212)

☐ Mulching (Section 213)

☒ Planting (Section 214)

☐ Herbicide (Section 217)

☐ Other:

☐ Erosion Control (Section 208)

☐ Seeding (Temp)

☐ Silt Fence

☐ Erosion Bales

☐ Erosion Logs

☐ Riprap (Temp)

☐ Other:

☐ Roadway Bases

☐ Untreated Subgrade

☐ Treated Subgrade

☐ Aggregate Base Course (Section 304)

☐ Reconditioning

☐ PMBB – Plant Mix Bituminous Base

☐ Other:

Roadway Bases	Grid (Y/N)	Grade (Y/N)	Special Interval	Special Offset
	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-

☐ Pavements

☒ HMA – Hot Mix Asphalt (Section 403)

☒ Concrete (Section 412)

☐ Heating & Scarifying Treatment

☐ Prime Coat, Tack Coat & Rejuvenating Agent (Section 407)

☐ Seal Coat or Chip Seal (Section 409)

☐ Other:

☐ Roadway Elements

☒ Curb and Gutter (Section 609)

☒ Drop inlets – alignment and grades (Section 604)

☐ Retaining Walls

☐ Guard Rail (Section 606)

☒ Sidewalk (Section 608)

☐ Overlay Stationing

☐ Other:

☐ Riprap (Perm) (Section 506)

☐ Slope and Ditch Paving (Section 507)

☒ Minor Structures

☐ Structure Excavation limits (Section 206)

☐ Culverts (Section 603)

☐ Culverts w/ Headwalls and Wingwalls (Section 601)

☐ Concrete Box Culverts w/ Headwalls and Wingwalls

☐ Pipes (Section 603)

☐ Sanitary Sewer

☐ Storm Sewer

☐ Water

☐ Irrigation

☐ Miscellaneous

☐ Manholes (Section 604)

☒ Inlets (Section 604)

☐ Permanent Water Quality BMP (Section 208)

☐ Other:

☐ Major Structures – Overhead Signs (Section 614), Concrete Box Culverts, Bridges – and all other structures assigned a structure number

☐ Structure Excavation limits (Section 206)

☐ Concrete Box Culverts (Section 603) w/ Headwalls and Wingwalls (Section 601)

☐ Piling locations and cut off elevations (Section 502)

☐ Caisson locations and elevations (Section 503)

☐ Footing locations, alignment, and elevations

☐ Abutment/Pier locations, alignment, and elevations

☐ Wingwall skew angles/offsets

☐ Structural concrete form locations

☐ Substructure As-constructed survey required for Bridges (Subsection 601 .12) and Overhead signs (S-614-50)

☐ Bridge expansion joint(s) alignment and grade (longitudinal and transverse)

☐ Deck grades at Girder 10th or "n" th point locations and elevations

☐ Slope and Ditch Paving (Section 507)

☐ Other:

☐ Fencing (Section 607)

☐ Temporary

☐ Permanent

☐ Sound Barrier

☐ Other:

☐ Delineators (Section 612)

☐ Temporary

☐ Permanent

☐ Lighting (Section 613) and Traffic Control Devices (Permanent) (Section 614)

☐ Signal pole locations and elevations

☐ Light pole locations and elevations

☐ Sign locations

☐ Field verify sign post locations, elevations, and lengths before fabrication.

☐ Other:

☐ UTILITIES (See PLANSHEETS in this plan set and Special Provision for 625)

☐ As-Constructed survey of ALL fiber optic lines installed by Contractor

☐ As-Constructed survey of ALL empty conduit installed by Contractor

As-Constructed survey to be submitted in one of the following formats: dxf, dwg, or dgn

Pavements	Grid (Y/N)	Special Interval	Special Offset
	-	-	-
	-	-	-
	-	-	-
	-	-	-

Curb & Gutter	Tangent Interval	Curve Interval	Special Offset
	-	-	-

Stationing	Left Interval	Center Interval	Right Interval
	-	-	-

☒ Pavement Marking (Section 627)

☐ Striping (Temp)

☒ Striping (Perm)

☒ Symbols

☐ Other:

☐ Temporary Lighting and Construction Traffic Control Devices (Section 630)

☐ Signal pole locations and elevations (Temp)

☐ Light pole locations and elevations (Temp)

☐ Sign Locations (Temp)

☐ Other:

☒ All Easements (Temp Staking by P.L.S. Only)

☒ Right of Way (Temp Staking by P.L.S. Only)

WORK PERFORMED BY THE CONTRACTOR'S SURVEYOR UNDER SECTION 629:

☐ Monumentation (Section 629)

☐ Control

☐ Right of Way

☐ Land corners, Aliquot corners

☐ Easements

☐ Reference the specified existing monuments: **

☐ Replace the specified existing monuments: **

☐ Locate monuments. It is estimated ____ hours are required.

NOTE: All 629 items shallinclude adequate research, calculations, and evaluations of evidence for monuments to be set.

** A Tabulation of Survey Monuments may be provided on the plans.

GENERAL NOTES:

- Unless indicated otherwise on this Survey Tabulation Sheet, all survey work and staking intervals shall be done in accordance with the latest edition of the CDOT Survey Manual.
- Adequate information for establishing lines, grades, and locations for all work items have been specified on the plans. Any additional information required to stake the item or element shall be generated by the Contractor's surveyor.
- The Contractor's surveyor shall provide an estimate of the man-hours necessary to complete the work items indicated on this sheet. A copy of this sheet, with the estimated man-hours written on the blank line to the left of the specified items, shall be submitted with the Survey Schedule to the Engineer 7 days prior to the Presurvey Conference – Construction Survey.
- Stakes and Monuments which are damaged or destroyed by the progress of construction shall be replaced by the Contractor at no additional cost to the Department.
- The Contractor shall furnish an As Staked (or 3D Design Modeling Electronic Files) Earthwork Quantity report to the Engineer prior to completion of twenty percent (20%) of the planned earthwork in any phase as per the CDOT Survey Manual. A printed copy of the As Staked (or 3D Design Modeling Electronic Files) Earthwork data report and a computer disk with that information on it, in the specified format shall be submitted to the Engineer. The Contractor shall field verify original ground cross sections at a maximum 500 feet intervals.
- Prior to beginning work on any subsequent operation, such as placing base course or paving, the Contractor shall certify in writing to the Engineer that the final grade is within specified tolerance.
- The Contractor's surveyor shall perform all field surveying and calculations necessary to tie plan grades into field grades.
- The Contractor shall coordinate construction staking on the project with any utility work.
- Fieldbooks shall contain daily records of points set and or measurements observed. The information recorded shall contain: date, crew members' names, point no., description, staking information, and sketches. If the survey information is collected electronically, information recorded shall be provided to the Project Engineer in a hard copy format that is intuitive, clear and related to the supplemental information recorded in the field books. All linear surveys, such as slope stakes and blue tops, shall have the station and offset information related to the measured information. Non-linear surveys such as structures staking shall have sketches relating electronic information, such as point numbers, to the sketch.
- The Contractor's surveyor shall submit the following fieldbooks to the Engineer:

☒ Horizontal Control (Primary & Secondary)

☒ Vertical Control (i.e. Benchmarks)

☒ Property Pin Ties

☒ Horizontal Alignment

☐ Grading

☐ Slope Staking

☒ Minor Structures

☐ Major Structures

☒ One fieldbook for each work category shown on this sheet

☐ Other Fieldbook(s):
- The Contractor's surveyor shall submit the following (prior to surveying on the project) to the Engineer:

☒ All required Instrument Calibrations

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		3										
1						DRAWN <u>JBN</u>	DATE <u>3/7/2025</u>			SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	3 OF 58
2												
3						CHECKED <u>SW</u>	DATE <u>3/7/2025</u>					
4												
5												

COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING:

811

PLAN NUMBER				M STANDARD TITLE				PAGE NUMBER				PLAN NUMBER				M STANDARD TITLE				PAGE NUMBER				PLAN NUMBER				S STANDARD TITLE				PAGE NUMBER			
■ M-100-1				STANDARD SYMBOLS (3 SHEETS)				1-3				□ M-606-1				MIDWEST GUARDRAIL SYSTEM TYPE 3 W-BEAM 31 INCHES (19 SHEETS) <i>(REVISED ON MARCH 5, 2020)</i>				79-97				□ S-612-1				DELINEATOR INSTALLATIONS (8 SHEETS) <i>(REVISED ON APRIL 30, 2024)</i>				171-178			
■ M-100-2				ACRONYMS AND ABBREVIATIONS (4 SHEETS)				4-7				□ M-606-13				GUARDRAIL TYPE 7 F-SHAPE BARRIER (4 SHEETS)				98-101				□ S-613-1				ROADWAY LIGHTING (6 SHEETS) <i>(REVISED ON SEPTEMBER 30, 2020)</i>				179-186			
□ M-203-1				APPROACH ROADS				8				□ M-606-14				PRECAST TYPE 7 CONCRETE BARRIER (4 SHEETS) <i>(REVISED ON FEBRUARY 9, 2023)</i>				102-104				□ S-613-2				ALTERNATIVE ROADWAY LIGHTING (4 SHEETS) <i>(NEW, ISSUED ON SEPTEMBER 30, 2020)</i>							
□ M-203-2				DITCH TYPES				9				□ M-606-15				GUARDRAIL TYPE 9 SINGLE SLOPE BARRIER (11 SHEETS) <i>(REVISED ON FEBRUARY 17, 2023)</i>				105-115				□ S-613-3				PULL BOX DETAIL (2 SHEETS) <i>(NEW, ISSUED ON APRIL 4, 2024)</i>							
□ M-203-11				SUPERELEVATION CROWNED AND DIVIDED HIGHWAYS (3 SHEETS)				10-12				□ M-607-1				WIRE FENCES AND GATES (3 SHEETS)				116-118				□ S-613-4				TRAFFIC SIGNAL ONE-LINE DIAGRAMS (6 SHEETS) <i>(NEW, ISSUED ON JUNE 15, 2023)</i> <i>(REVISED ON MARCH 1, 2024)</i>				187-188			
□ M-203-12				SUPERELEVATION STREETS (2 SHEETS)				13-14				□ M-607-2				CHAIN LINK FENCE (3 SHEETS)				119-121				■ S-614-1				GROUND SIGN PLACEMENT (2 SHEETS)							
□ M-206-1				EXCAVATION AND BACKFILL FOR STRUCTURES (2 SHEETS)				15-16				□ M-607-3				BARRIER FENCE				122				■ S-614-2				CLASS I SIGNS <i>(REVISED ON MARCH 1, 2024)</i>				189			
□ M-206-2				EXCAVATION AND BACKFILL FOR BRIDGES (2 SHEETS)				17-18				□ M-607-4				DEER FENCE, GATES, AND GAME RAMPS (7 SHEETS) <i>(REVISED ON JULY 13, 2020)</i>				123-127				■ S-614-3				CLASS II SIGNS <i>(REVISED ON MARCH 1, 2024)</i>				190			
■ M-208-1				TEMPORARY EROSION CONTROL (11 SHEETS) <i>(REVISED ON MAY 16, 2024)</i>				19-29				□ M-607-10				PICKET SNOW FENCE				128				□ S-614-4				CLASS III SIGNS (3 SHEETS) <i>(REVISED ON MARCH 1, 2024)</i>				191-193			
□ M-210-1				MAILBOX SUPPORTS (2 SHEETS)				30-31				□ M-607-15				ROAD CLOSURE GATE (9 SHEETS)				129-137				□ S-614-5				BREAK-AWAY SIGN SUPPORT DETAILS FOR CLASS III SIGNS (2 SHEETS)				194-195			
■ M-214-1				NURSERY STOCK DETAILS				32				■ M-608-1				CURB RAMPS (10 SHEETS)				138-147				□ S-614-6				CONCRETE FOOTINGS AND SIGN ISLANDS FOR CLASS III SIGNS (2 SHEETS)				196-197			
□ M-216-1				SOIL RETENTION COVERING (2 SHEETS)				33-34				■ M-609-1				CURBS, GUTTERS, AND SIDEWALKS (4 SHEETS)				148-151				■ S-614-8				TUBULAR STEEL SIGN SUPPORT DETAILS (7 SHEETS) <i>(REVISED ON MARCH 1, 2024)</i>				198-204			
□ M-400-1				SAFETYEDGE FOR PAVEMENT <i>(NEW, ISSUED ON DECEMBER 12, 2024)</i>								□ M-611-1				CATTLE GUARD (2 SHEETS)				152-153				~~□ S-614-9~~				~~PEDESTRIAN PUSH BUTTON POST ASSEMBLY (2 SHEETS) <i>(SUPERSEDED ON JANUARY 23, 2020 BY S-614-45)</i>~~				~~205-206~~			
□ M-412-1				CONCRETE PAVEMENT JOINTS (9 SHEETS) <i>(REVISED ON JANUARY 31, 2022)</i>				35-39				□ M-611-2				DEER GUARD (2 SHEETS)				154-155				□ S-614-10				MARKER ASSEMBLY INSTALLATIONS				207			
□ M-412-2				CONCRETE PAVEMENT CRACK REPAIR (6 SHEETS) <i>(REVISED ON SEPTEMBER 6, 2022)</i>								□ M-614-1				RUMBLE STRIPS (3 SHEETS)				156-158				□ S-614-11				MILEPOST SIGN DETAIL FOR HIGH SNOW AREAS				208			
□ M-510-1				STRUCTURAL PLATE PIPE H-20 LOADING				40				□ M-614-2				SAND BARREL ARRAYS (2 SHEETS)				159-160				□ S-614-12				STRUCTURE NUMBER INSTALLATION (2 SHEETS)				209-210			
□ M-601-1				SINGLE CONCRETE BOX CULVERT (CAST-IN-PLACE) (2 SHEETS)				41-42				□ M-615-1				EMBANKMENT PROTECTOR TYPE 3				161				□ S-614-14				FLASHING BEACON AND SIGN INSTALLATIONS (4 SHEETS)				211-214			
□ M-601-2				DOUBLE CONCRETE BOX CULVERT (CAST-IN-PLACE) (2 SHEETS)				43-44				□ M-615-2				EMBANKMENT PROTECTOR TYPE 5				162				□ S-614-15				CHAIN STATION SIGNAGE (1 SHEET) <i>(NEW, ISSUED ON APRIL 30, 2024)</i>							
□ M-601-3				TRIPLE CONCRETE BOX CULVERT (CAST-IN-PLACE) (2 SHEETS)				45-46				□ M-616-1				INVERTED SIPHON				163				■ S-614-20				TYPICAL POLE MOUNT SIGN INSTALLATIONS <i>(REVISED ON MARCH 1, 2024)</i>				215			
□ M-601-10				HEADWALL FOR PIPES				47				□ M-620-1				FIELD LABORATORY CLASS 1				164				□ S-614-21				CONCRETE BARRIER SIGN POST INSTALLATIONS (2 SHEETS) <i>(REVISED ON SEPTEMBER 21, 2020)</i>				216-217			
□ M-601-11				TYPE "S" SADDLE HEADWALLS FOR PIPE				48				□ M-620-2				FIELD LABORATORY CLASS 2 (2 SHEETS)				165-166				■ S-614-22				TYPICAL MULTI-SIGN INSTALLATIONS				218			
□ M-601-12				HEADWALLS AND PIPE OUTLET PAVING				49				□ M-620-11				FIELD OFFICE CLASS 1				167				■ S-614-23				J-POST SIGN SUPPORT (3 SHEETS) <i>(NEW, ISSUED ON MAR. 1, 2024)</i>							
□ M-601-20				WINGWALLS FOR PIPE OR BOX CULVERTS (2 SHEETS)				50-51				□ M-620-12				FIELD OFFICE CLASS 2				168				□ S-614-40				TYPICAL TRAFFIC SIGNAL 30'-75' DOUBLE MAST ARMS 65'-75' SINGLE MAST ARMS (5 SHEETS) <i>(REVISED ON JULY 22, 2022)</i>							
□ M-603-1				METAL PIPE (4 SHEETS)				52-55				□ M-629-1				SURVEY MONUMENTS (2 SHEETS)				169-170				□ S-614-40A				ALTERNATIVE TRAFFIC SIGNAL 25'-55' SINGLE MAST ARMS (4 SHEETS) <i>(REVISED ON JULY 22, 2022)</i>				224-227			
□ M-603-2				REINFORCED CONCRETE PIPE				56																□ S-614-41				TEMPORARY SPAN WIRE SIGNALS (13 SHEETS)				228-240			
□ M-603-3				PRECAST CONCRETE BOX CULVERT <i>(REVISED ON SEPTEMBER 10, 2020)</i>				57																□ S-614-42				CABINET FOUNDATION DETAIL (4 SHEETS) <i>(REVISED ON APRIL 4, 2024)</i>				241-244			
□ M-603-4				CORRUGATED POLYETHYLENE PIPE (AASHTO M294) AND CORRUGATED POLYPROPYLENE PIPE (AASHTO M330) (2 sheets) <i>(REVISED ON MARCH 7, 2022)</i>				58																□ S-614-43				TRAFFIC LOOP AND MISCELLANEOUS SIGNAL DETAILS (7 SHEETS) <i>(REVISED ON APRIL 4, 2024)</i>				245-252			
□ M-603-5				POLYVINYL CHLORIDE (PVC) PIPE (AASHTO M304)				59																□ S-614-44				PEDESTAL POLE SIGNALS (2 SHEETS)				253-254			
□ M-603-6				STEEL REINFORCED POLYETHYLENE RIBBED PIPE (AASHTO MP 20)				60																■ S-614-45				PEDESTRIAN PUSH BUTTON POST ASSEMBLY DETAILS (6 SHEETS) <i>(REVISED ON DECEMBER 3, 2020)</i>				255-266			
□ M-603-10				CONCRETE AND METAL END SECTIONS				61																□ S-614-50				STATIC SIGN MONOTUBE STRUCTURES (12 SHEETS)				267-280			
□ M-603-12				TRAVERSABLE END SECTIONS AND SAFETY GRATES (3 SHEETS)				62-64																□ S-614-60				DYNAMIC SIGN MONOTUBE STRUCTURES (14 SHEETS)				281-289			
□ M-604-10				INLET, TYPE C				65																■ S-627-1				PAVEMENT MARKINGS (11 SHEETS) <i>(REV. DEC. 20, 2024)</i>				290-313			
□ M-604-11				INLET, TYPE D				66																■ S-630-1				TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION (26 SHEETS) <i>(REVISED ON APRIL 30, 2024)</i>				314			
□ M-604-12				CURB INLET TYPE R (2 SHEETS)				67-68																■ S-630-2				BARRICADES, DRUMS, CONCRETE BARRIERS (TEMP) AND VERTICAL PANELS				315			
□ M-604-13				CONCRETE INLET TYPE 13				69																■ S-630-3				FLASHING BEACON (PORTABLE) DETAILS				316-317			
□ M-604-20				MANHOLES (3 SHEETS)				70-72																■ S-630-4				STEEL SIGN SUPPORT (TEMPORARY) INSTALLATION DETAILS (2 SHEETS)				318-319			
□ M-604-25				VANE GRATE INLET (5 SHEETS) <i>(REVISED ON FEBRUARY 3, 2023)</i>				73-77																□ S-630-5				PORTABLE RUMBLE STRIPS (TEMPORARY) (2 SHEETS)				320			
□ M-605-1				SUBSURFACE DRAINS				78																□ S-630-6				EMERGENCY PULL-OFF AREA (TEMPORARY)				321-323			

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INDEX			CONTRACT ITEM NUMBER	CONTRACT ITEM	PAY UNIT	QUANTITIES	
BOOK	PAGE	SHEET				PLAN	AS CONST
			201-00000	CLEARING AND GRUBBING	L S	1	
			202-00010	REMOVAL OF TREE	EACH	12	
			202-00019	REMOVAL OF INLET	EACH	1	
			202-00200	REMOVAL OF SIDEWALK	SY	967	
			202-00201	REMOVAL OF CURB	LF	65	
			202-00202	REMOVAL OF GUTTER	LF	62	
			202-00203	REMOVAL OF CURB AND GUTTER	LF	1572	
			202-00210	REMOVAL OF CONCRETE PAVEMENT	SY	159	
			202-00220	REMOVAL OF ASPHALT MAT	SY	2927	
			202-00250	REMOVAL OF PAVEMENT MARKING	SF	100	
			202-00810	REMOVAL OF GROUND SIGN	EACH	5	
			203-00010	UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY	800	
			203-01500	BLADING	HOURL	8	
			203-01594	COMBINATION LOADER	HOURL	15	
			203-01597	POTHOLING	HOURL	8	
			203-02330	LABORER	HOURL	20	
			207-00700	TOPSOIL (ONSITE)	CY	117	
			207-00704	SUBGRADE SOIL PREPARATION	SY	704	
			208-00002	EROSION LOG TYPE 1 (12 INCH)	LF	639	
			208-00035	AGGREGATE BAG	LF	153	
			208-00046	PRE-FABRICATED CONCRETE WASHOUT STRUCTURE (TYPE 1)	EACH	2	
			208-00051	STORM DRAIN INLET PROTECTION (TYPE I)	LF	22	
			208-00054	STORM DRAIN INLET PROTECTION (TYPE II)	EACH	11	
			208-00075	PRE-FABRICATED VEHICLE TRACKING PAD	EACH	4	
			208-00103	REMOVAL AND DISPOSAL OF SEDIMENT (LABOR)	HOURL	12	
			208-00105	REMOVAL AND DISPOSAL OF SEDIMENT (EQUIPMENT)	HOURL	12	
			208-00106	SWEEPING (SEDIMENT REMOVAL)	HOURL	20	
			208-00207	EROSION CONTROL MANAGEMENT	DAY	30	
			210-00035	RESET WATER METER	EACH	1	
			210-00750	RESET LIGHT STANDARD	EACH	1	
			210-00810	RESET GROUND SIGN	EACH	5	
			210-00827	RESET PULL BOX	EACH	2	
			210-00858	RESET PEDESTAL POLE	EACH	1	
			210-00901	RESET RAILROAD CROSSING POLE	EACH	1	
			210-04010	ADJUST MANHOLE	EACH	6	
			210-04025	MODIFY STRUCTURE	EACH	1	
			210-04050	ADJUST VALVE BOX	EACH	3	
			212-00700	ORGANIC FERTILIZER	LB	45	
			212-00701	COMPOST (MECHANICALLY APPLIED)	CY	10	
			212-00704	MYCORRHIZAE	LB	9	
			212-00708	SEEDING (NATIVE) BROADCAST	ACRE	0.15	
			213-00004	MULCHING (WEED FREE STRAW)	ACRE	0.15	
			213-00061	MULCH TACKIFIER	LB	22	
			213-00500	TREE GRATE	EACH	5	
			214-00220	DECIDUOUS TREE (2 INCH CALIPER)	EACH	18	
			214-00225	DECIDUOUS TREE (2.5 INCH CALIPER)	EACH	3	
			304-06007	AGGREGATE BASE COURSE (CLASS 6)	CY	751	
			403-00720	HOT MIX ASPHALT (PATCHING) (ASPHALT)	TON	669	
			412-00600	CONCRETE PAVEMENT (6 INCH)	SY	417	
			604-19000	INLET SPECIAL	EACH	1	

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NO.		REVISIONS	DATE	BY	COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING: 811	DESIGNED <u>JBN</u>	DATE <u>3/7/2025</u>	CITY OF DURANGO PUBLIC WORKS 105 S. CAMINO DEL RIO DURANGO, CO 80131 PHONE: 970.385.4546 934 MAIN AVENUE SUITE C DURANGO, COLORADO 81301-51 www.sehinc.com	MIDTOWN SAFETY & CONNECTIVITY PROJECT		SUMMARY OF APPROXIMATE QUANTITIES		SHEET NO.			
1													5			
2																
3																
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5																
						DRAWN <u>JBN</u>	DATE <u>3/7/2025</u>						SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	5 OF 58	
						CHECKED <u>SW</u>	DATE <u>3/7/2025</u>									

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INDEX			CONTRACT ITEM NUMBER	CONTRACT ITEM	PAY UNIT	QUANTITIES	
BOOK	PAGE	SHEET				PLAN	AS CONST
			607-11525	FENCE (PLASTIC)	LF	150	
			608-00000	CONCRETE SIDEWALK	SY	928	
			608-00010	CONCRETE CURB RAMP	SY	314	
			609-20010	CURB TYPE 2 (SECTION B)	LF	165	
			609-21010	CURB AND GUTTER TYPE 2 (SECTION I-B)	LF	342	
			609-21020	CURB AND GUTTER TYPE 2 (SECTION II-B)	LF	1837	
			609-21021	CURB AND GUTTER TYPE 2 (SECTION II-M)	LF	60	
			609-24003	GUTTER TYPE 2 (3 FOOT)	LF	210	
			609-24006	GUTTER TYPE 2 (6 FOOT)	LF	311	
			609-40130	CURB (MEDIAN) (SPECIAL)	LF	235	
			609-60900	CURB TYPE 6 (SECTION M) SPECIAL	LF	160	
			609-71000	CURB (SPECIAL)	LF	171	
			610-00020	MEDIAN COVER MATERIAL (PATTERNED CONCRETE)	SF	457	
			612-00036	DELINEATOR (FLEXIBLE) (SQUARE BASE)	EACH	18	
			613-01200	2 INCH ELECTRICAL CONDUIT (PLASTIC)	LF	50	
			613-00206	2 INCH ELECTRICAL CONDUIT (BORED)	LF	15	
			613-10000	WIRING	L S	1	
			614-00011	SIGN PANEL (CLASS I)	SF	27	
			614-00012	SIGN PANEL (CLASS II)	SF	8	
			614-01503	STEEL SIGN SUPPORT (2-INCH ROUND)(POST AND SOCKET)	EACH	7	
			614-72863	PEDESTRIAN PUSH BUTTON POST ASSEMBLY	EACH	2	
			614-72860	PEDESTRIAN PUSH BUTTON	EACH	2	
			620-00020	SANITARY FACILITY	EACH	1	
			621-00650	PEDESTRIAN STAIR STRUCTURE	L S	1	
			622-00270	BOLLARD	EACH	11	
			622-00095	BUS SHELTER	EACH	1	
			623-06900	VALVE BOX	EACH	2	
			625-00000	CONSTRUCTION SURVEYING	L S	1	
			626-00000	MOBILIZATION	L S	1	
			627-00013	PAVEMENT MARKING PAINT (HIGH BUILD)	GAL	93	
			627-30405	PREFORMED THERMOPLASTIC PAVEMENT MARKING (WORD-SYMBOL)	SF	591	
			627-30410	PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK-STOP LINE)	SF	1600	
			630-00000	FLAGGING	HOUR	320	
			630-00007	TRAFFIC CONTROL INSPECTION	DAY	78	
			630-00012	TRAFFIC CONTROL MANAGEMENT	DAY	102	
			630-80336	BARRICADE (TYPE 3 M-B) (TEMPORARY)	EACH	4	
			630-80340	PEDESTRIAN BARRICADE (ADA)	LF	60	
			630-80341	CONSTRUCTION TRAFFIC SIGN (PANEL SIZE A)	EACH	20	
			630-80342	CONSTRUCTION TRAFFIC SIGN (PANEL SIZE B)	EACH	5	
			630-80355	PORTABLE MESSAGE SIGN PANEL	EACH	4	
			630-80360	DRUM CHANNELIZING DEVICE	EACH	40	
			630-80363	DRUM CHANNELIZING DEVICE (WITH LIGHT) (FLASHING)	EACH	15	
			630-80364	DRUM CHANNELIZING DEVICE (WITH LIGHT) (STEADY BURN)	EACH	15	
			630-80380	TRAFFIC CONE	EACH	100	
			700-70010	F/A MINOR CONTRACT REVISIONS	F A	1	
			700-70380	F/A EROSION CONTROL	F A	1	

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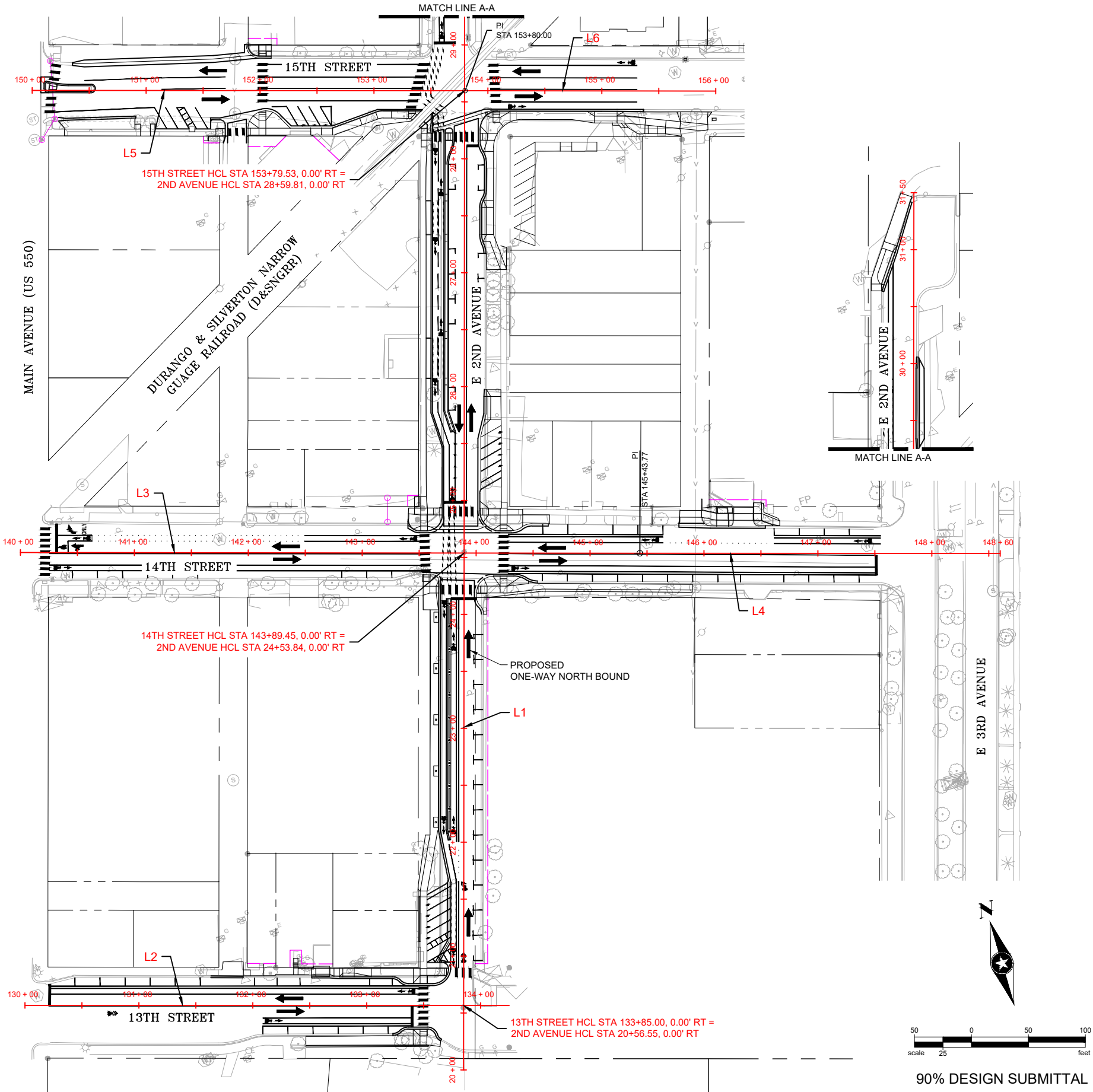
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1						DRAWN <u>JBN</u>	DATE <u>3/7/2025</u>							6			
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												SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	6 OF 58			

HORIZONTAL CONTROL LINE DATA - 2ND AVENUE HCL								
POINT ID	LENGTH	BEARING	START STATION	END STATION	START NORTHING	START EASTING	END NORTHING	END EASTING
L1	1150.00	N 16° 18' 06" E	20+00.00	31+50.00	1231142.97	2308160.79	1232246.74	2308483.59

HORIZONTAL CONTROL LINE DATA - 13TH STREET HCL								
POINT ID	LENGTH	BEARING	START STATION	END STATION	START NORTHING	START EASTING	END NORTHING	END EASTING
L2	425.00	S 73° 44' 22" E	130+00.00	134+25.00	1231305.05	2307807.06	1231186.05	2308215.06

HORIZONTAL CONTROL LINE DATA - 14TH STREET HCL								
POINT ID	LENGTH	BEARING	START STATION	END STATION	START NORTHING	START EASTING	END NORTHING	END EASTING
L3	543.77	S 73° 41' 38" E	140+00.00	145+43.77	1231687.91	2307914.40	1231535.23	2308436.29
L4	316.23	S 73° 42' 47" E	145+43.77	148+60.00	1231535.23	2308436.29	1231446.54	2308739.83

HORIZONTAL CONTROL LINE DATA - 15TH STREET HCL								
POINT ID	LENGTH	BEARING	START STATION	END STATION	START NORTHING	START EASTING	END NORTHING	END EASTING
L5	380.00	S 73° 43' 34" E	150+00.00	153+80.00	1232074.57	2308037.81	1231968.08	2308402.58
L6	220.00	S 73° 39' 21" E	153+80.00	156+00.00	1231968.08	2308402.58	1231906.17	2308613.69



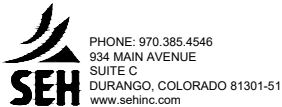
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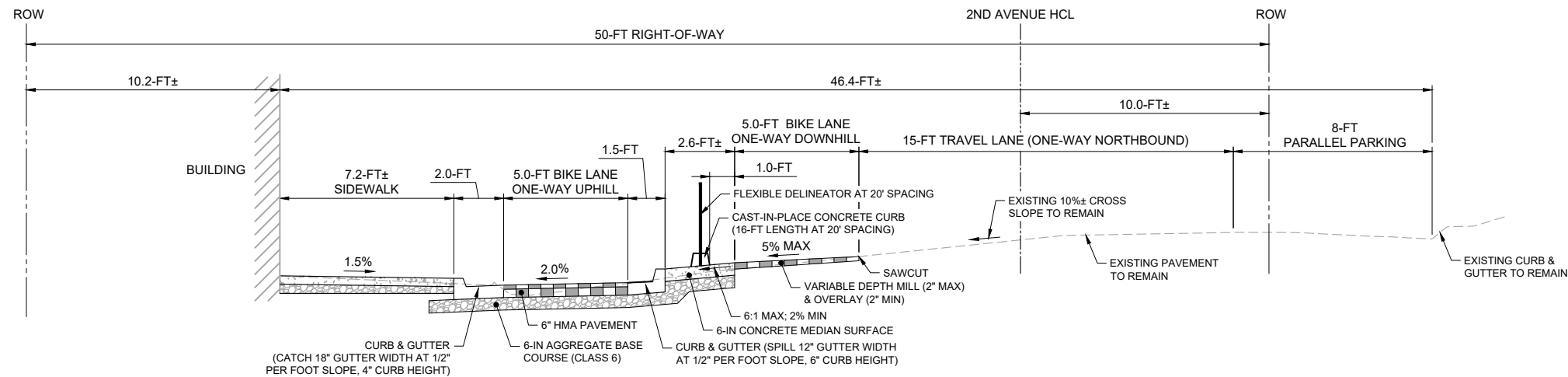
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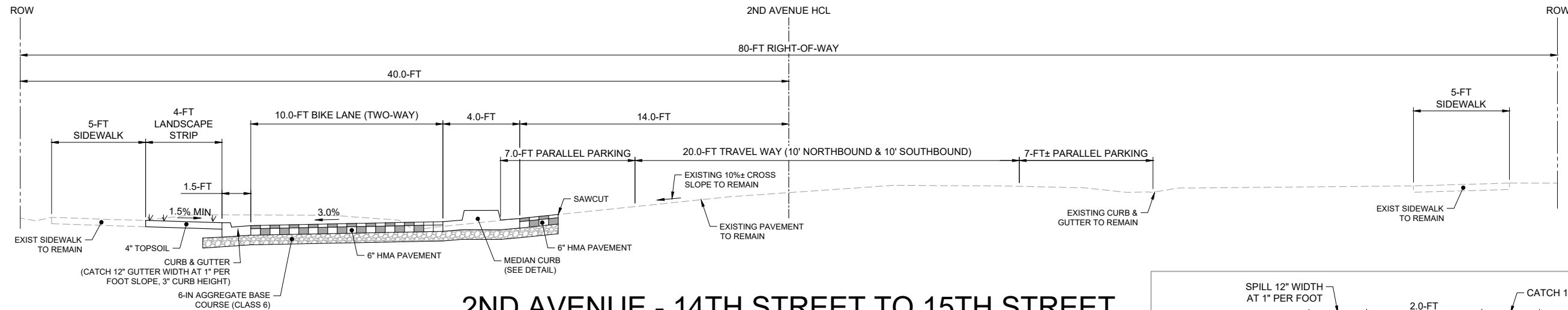
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CONTROL

SEH PROJECT NO. 161088
DATE ISSUED 3/7/2025
SHEET NO. 7 OF 58



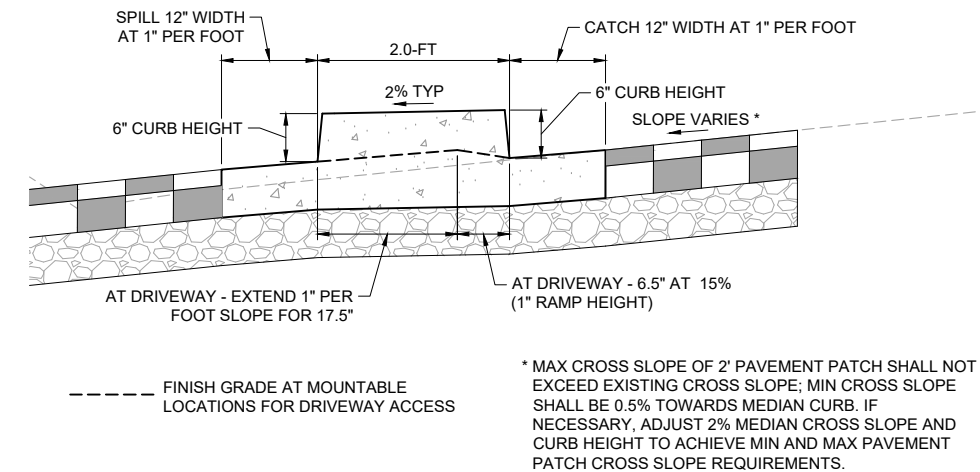
2ND AVENUE - 13TH STREET TO 14TH STREET

STA 22+10 TO STA 24+10



2ND AVENUE - 14TH STREET TO 15TH STREET

STA 25+80 TO STA 27+95



MEDIAN CURB DETAIL

90% DESIGN SUBMITTAL

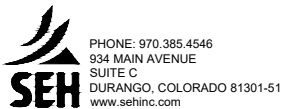
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COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING:
811

DESIGNED JBN DATE 3/7/2025
DRAWN JBN DATE 3/7/2025
CHECKED SW DATE 3/7/2025



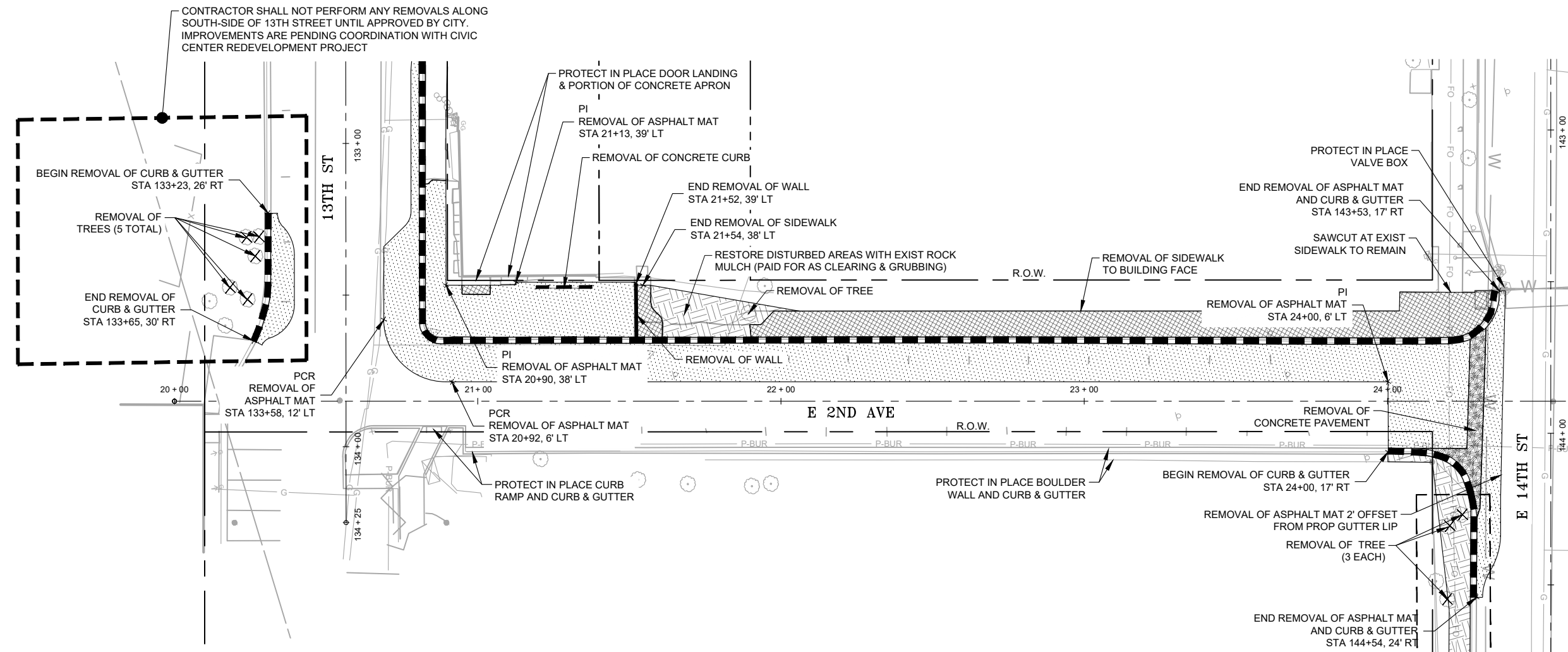
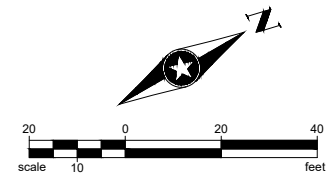
CITY OF DURANGO
PUBLIC WORKS
105 S. CAMINO DEL RIO
DURANGO, CO 80131



MIDTOWN SAFETY & CONNECTIVITY PROJECT

TYPICAL SECTIONS
2ND AVENUE

SEH PROJECT NO. 161088 DATE ISSUED 3/7/2025 SHEET NO. 8 OF 58



NOTES:

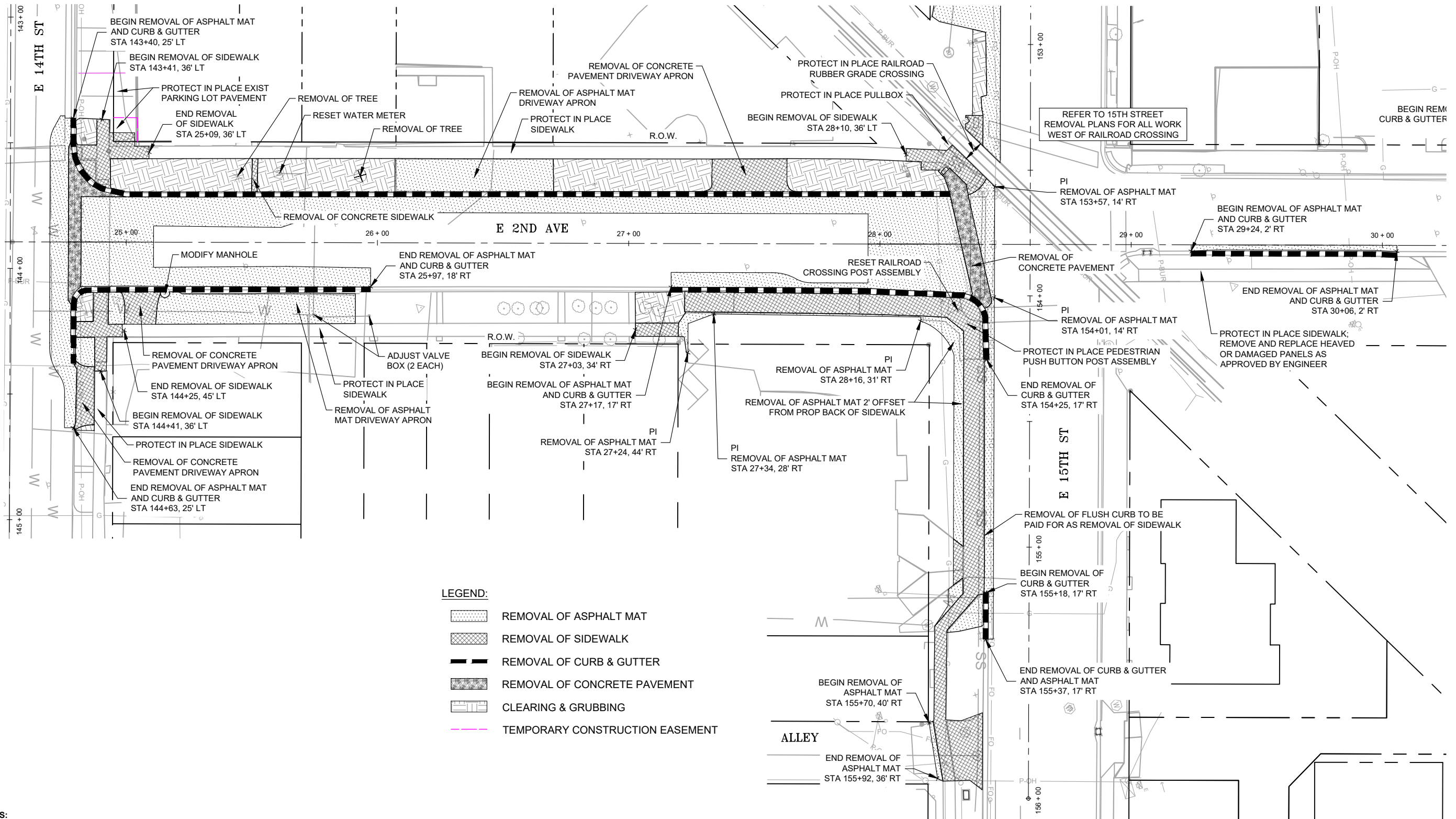
1. FOR REMOVAL OF ASPHALT LIMITS NOT DETAILED, REFER TO ROADWAY PLANS. SAWCUTTING OF EXISTING PAVEMENT SHALL BE 2' FROM PROPOSED GUTTER LIP UNLESS OTHERWISE SHOWN ON PLANS OR APPROVED BY ENGINEER.
2. CONTRACTOR SHALL PROTECT IN PLACE ALL TREES UNLESS OTHERWISE NOTED. TREE PROTECTION SHALL BE PROVIDED AND PAID FOR UNDER FENCE (PLASTIC) PAY ITEM.
3. REFER TO UTILITY PLANS FOR UTILITY RELATED IMPROVEMENTS, INCLUDING RESETS AND ADJUSTMENTS.
4. REFER TO SIGNING & STRIPING PLANS FOR PAVEMENT MARKING AND SIGN REMOVALS AND RESETS.

LEGEND:

- REMOVAL OF ASPHALT MAT
- REMOVAL OF SIDEWALK
- REMOVAL OF CURB & GUTTER
- REMOVAL OF CONCRETE PAVEMENT
- CLEARING & GRUBBING
- TEMPORARY CONSTRUCTION EASEMENT

90% DESIGN SUBMITTAL

NO.	REVISIONS	DATE	BY	COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING: 811	DESIGNED <u>JBN</u>	DATE <u>3/7/2025</u>	 CITY OF DURANGO PUBLIC WORKS 105 S. CAMINO DEL RIO DURANGO, CO 80131	 PHONE: 970.385.4546 934 MAIN AVENUE SUITE C DURANGO, COLORADO 81301-51 www.sehinc.com	MIDTOWN SAFETY & CONNECTIVITY PROJECT	REMOVAL PLANS 2ND AVE 13TH ST TO 14TH ST		SHEET NO.
1					DRAWN <u>JBN</u>	DATE <u>3/7/2025</u>				9		
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NOTES:

1. FOR REMOVAL OF ASPHALT LIMITS NOT DETAILED, REFER TO ROADWAY PLANS. SAWCUTTING OF EXISTING PAVEMENT SHALL BE 2' FROM PROPOSED GUTTER LIP UNLESS OTHERWISE SHOWN ON PLANS OR APPROVED BY ENGINEER.
2. CONTRACTOR SHALL PROTECT IN PLACE ALL TREES UNLESS OTHERWISE NOTED. TREE PROTECTION SHALL BE PROVIDED AND PAID FOR UNDER FENCE (PLASTIC) PAY ITEM.
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4. REFER TO SIGNING & STRIPING PLANS FOR PAVEMENT MARKING AND SIGN REMOVALS AND RESETS.

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COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING:
811

DESIGNED JBN DATE 3/7/2025
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CHECKED SW DATE 3/7/2025

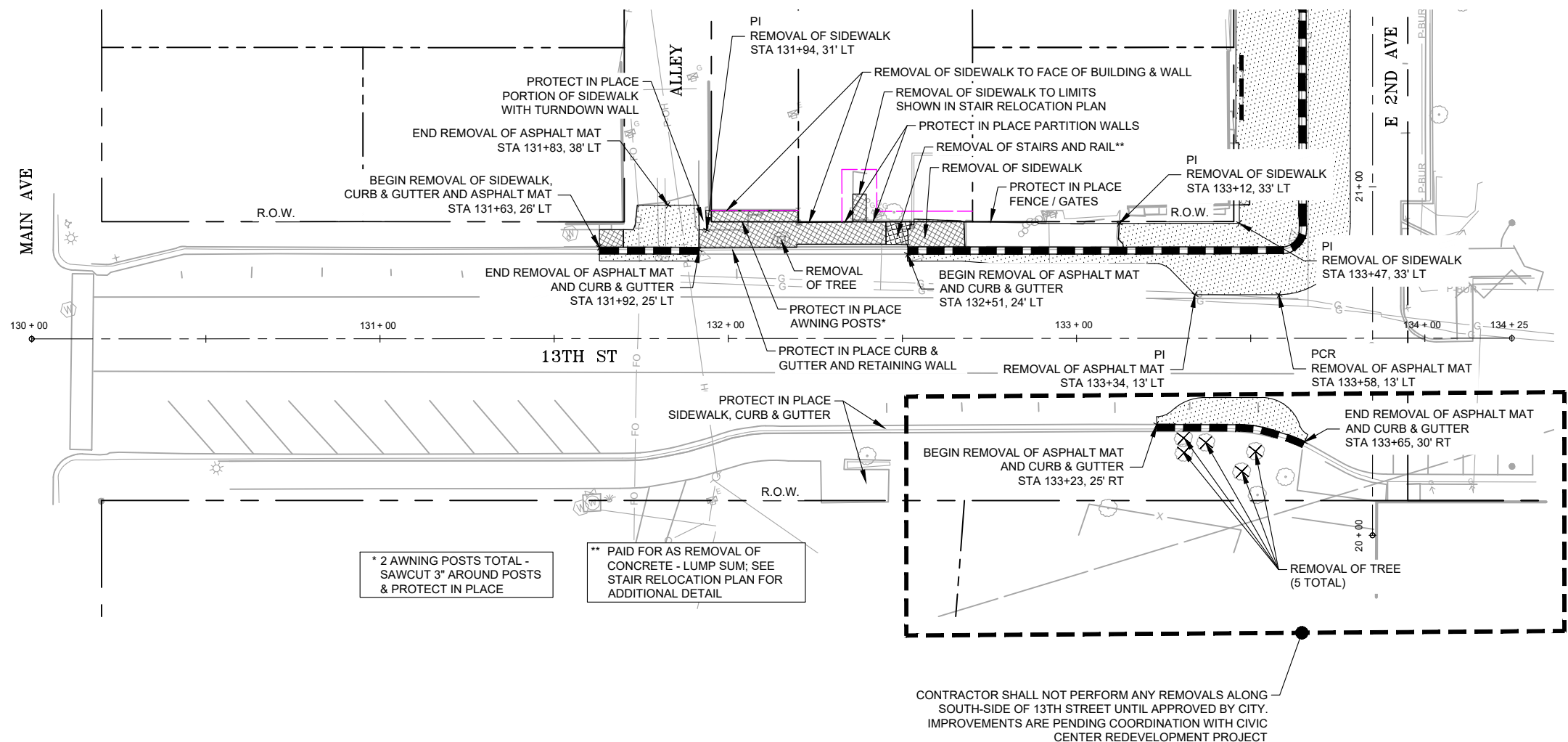


CITY OF DURANGO
PUBLIC WORKS
105 S. CAMINO DEL RIO
DURANGO, CO 80131



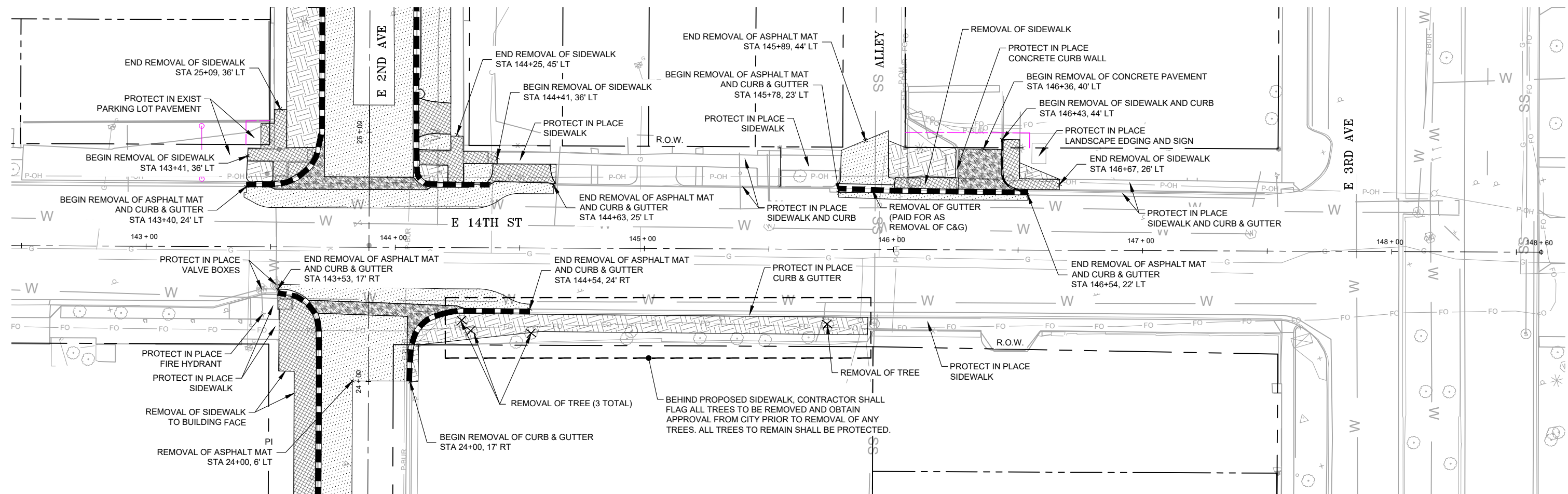
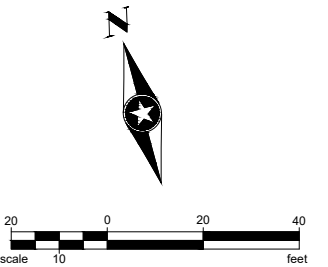
MIDTOWN SAFETY & CONNECTIVITY PROJECT

REMOVAL PLANS 2ND AVE 14TH ST TO 15TH ST		SHEET NO. 10
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	10 OF 58



	REMOVAL OF ASPHALT MAT
	REMOVAL OF SIDEWALK
	REMOVAL OF CURB & GUTTER
	REMOVAL OF CONCRETE PAVEMENT
	CLEARING & GRUBBING
	TEMPORARY CONSTRUCTION EASEMENT

REMOVAL PLANS 13TH ST MAIN AVE TO 2ND AVE		SHEET NO. 11
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	11 OF 5



NOTES:

1. FOR REMOVAL OF ASPHALT LIMITS NOT DETAILED, REFER TO ROADWAY PLANS. SAWCUTTING OF EXISTING PAVEMENT SHALL BE 2' FROM PROPOSED GUTTER LIP UNLESS OTHERWISE SHOWN ON PLANS OR APPROVED BY ENGINEER.
2. CONTRACTOR SHALL PROTECT IN PLACE ALL TREES UNLESS OTHERWISE NOTED. TREE PROTECTION SHALL BE PROVIDED AND PAID FOR UNDER FENCE (PLASTIC) PAY ITEM.
3. REFER TO UTILITY PLANS FOR UTILITY RELATED IMPROVEMENTS, INCLUDING RESETS AND ADJUSTMENTS.
4. REFER TO SIGNING & STRIPING PLANS FOR PAVEMENT MARKING AND SIGN REMOVALS AND RESETS.

LEGEND:

- REMOVAL OF ASPHALT MAT
- REMOVAL OF SIDEWALK
- REMOVAL OF CURB & GUTTER
- REMOVAL OF CONCRETE PAVEMENT
- CLEARING & GRUBBING
- TEMPORARY CONSTRUCTION EASEMENT

90% DESIGN SUBMITTAL

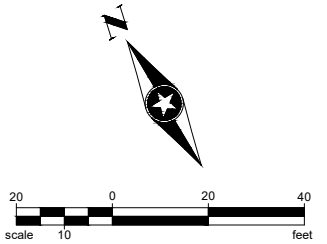
NO.		REVISIONS	DATE	BY	COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING: 811	DESIGNED <u>JBN</u>	DATE <u>3/7/2025</u>	 CITY OF DURANGO PUBLIC WORKS 105 S. CAMINO DEL RIO DURANGO, CO 80131	 PHONE: 970.385.4546 934 MAIN AVENUE SUITE C DURANGO, COLORADO 81301-51 www.sehinc.com	MIDTOWN SAFETY & CONNECTIVITY PROJECT		REMOVAL PLANS 14TH ST 2ND AVE TO 3RD AVE		SHEET NO. 12	
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COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING:

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	REMOVAL OF ASPHALT MAT
	REMOVAL OF SIDEWALK
	REMOVAL OF CURB & GUTTER
	REMOVAL OF CONCRETE PAVEMENT
	CLEARING & GRUBBING
	TEMPORARY CONSTRUCTION EASEMENT

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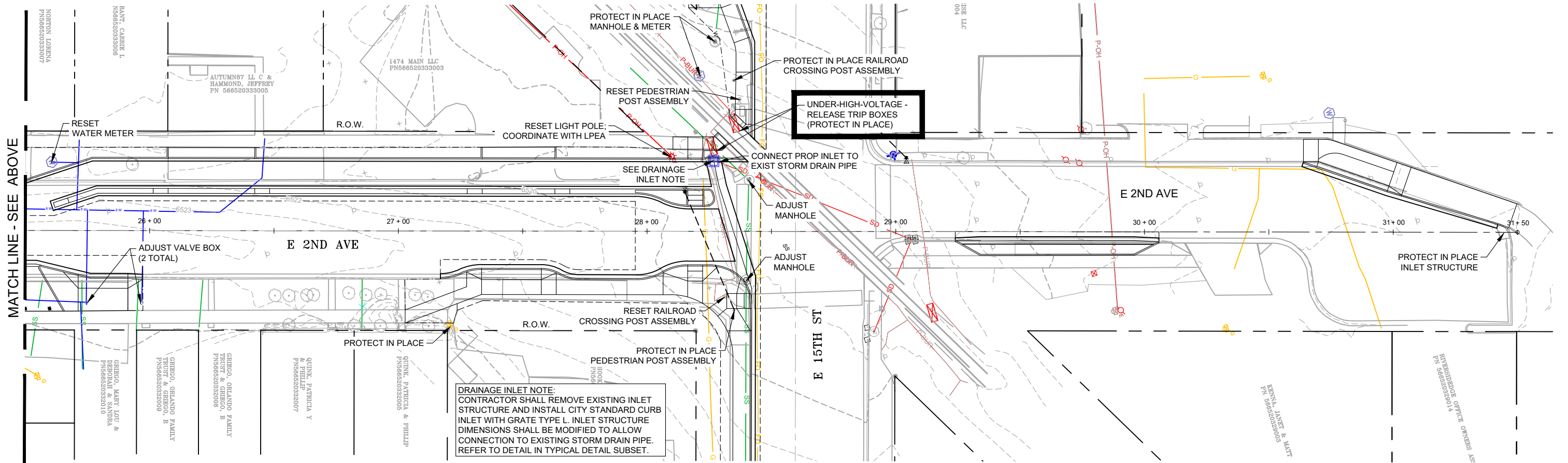
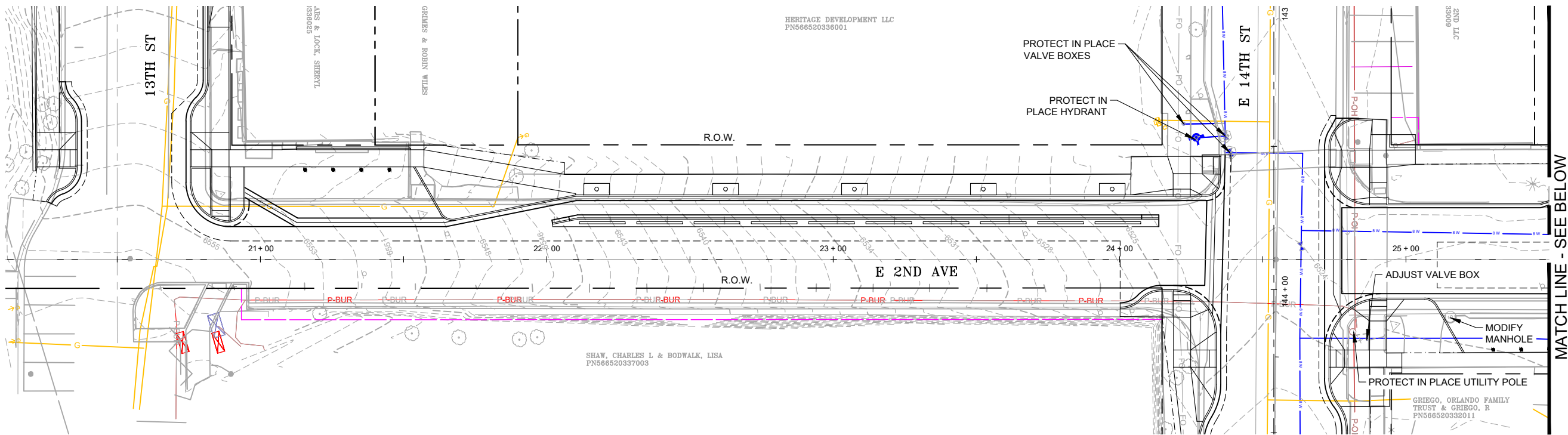


CITY OF DURANGO
PUBLIC WORKS
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DURANGO, CO 80131



MIDTOWN SAFETY &
CONNECTIVITY PROJECT

REMOVAL PLANS 15TH ST MAIN AVE TO 2ND AVE		SHEET NO. 13
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	13 OF 58



90% DESIGN SUBMITTAL

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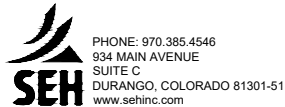
COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING:

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DESIGNED JBN DATE 3/7/2025
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CHECKED SW DATE 3/7/2025

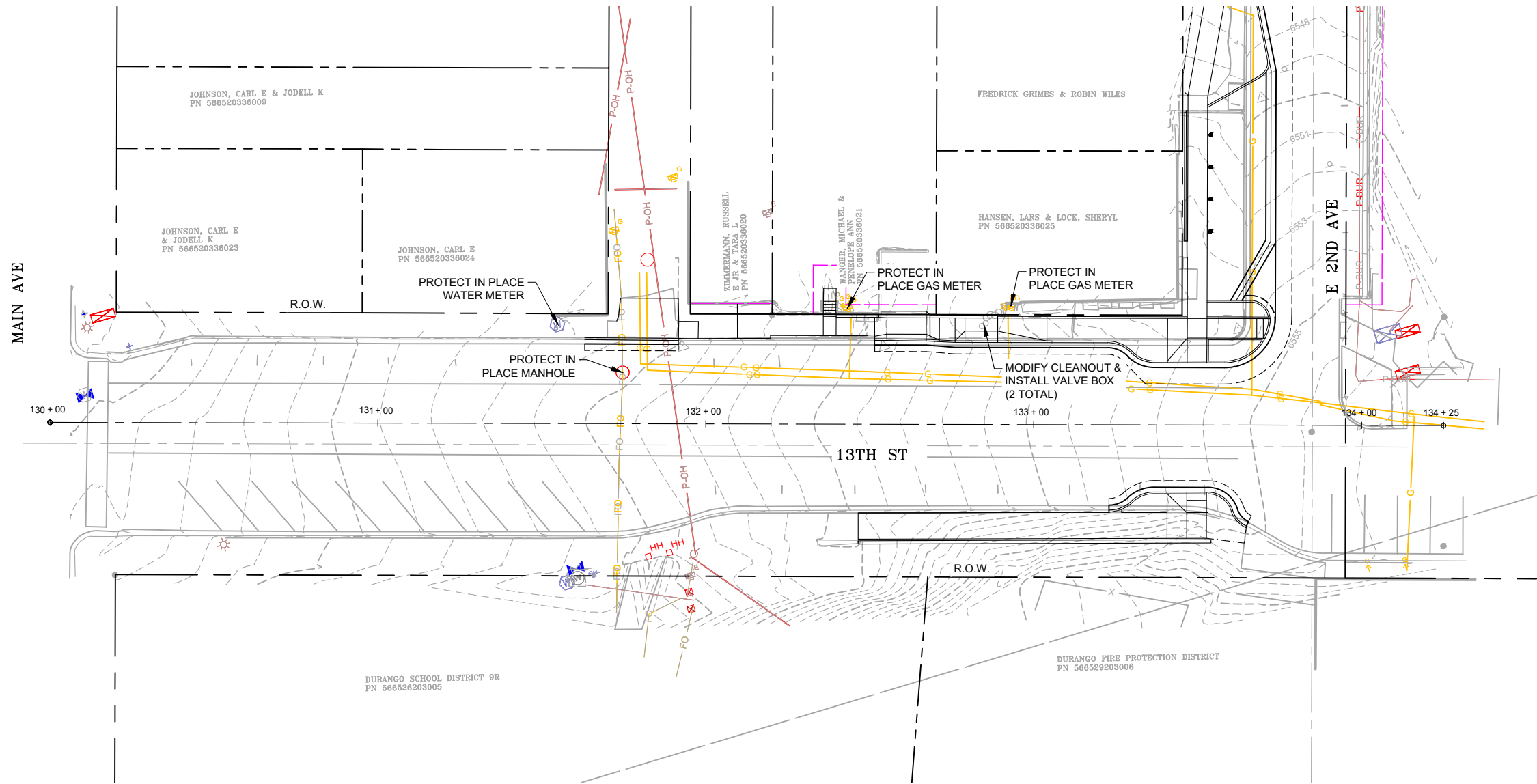
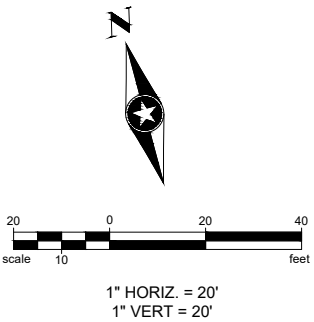


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DURANGO, CO 80131



MIDTOWN SAFETY &
CONNECTIVITY PROJECT

UTILITY PLANS 2ND AVE 13TH ST TO 15TH ST		SHEET NO. 14
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	14 OF 58



90% DESIGN SUBMITTAL

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COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING:
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DESIGNED JBN DATE 3/7/2025
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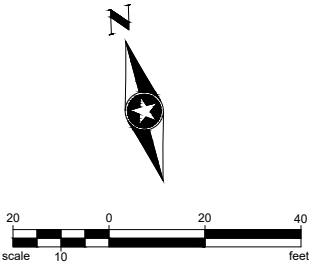
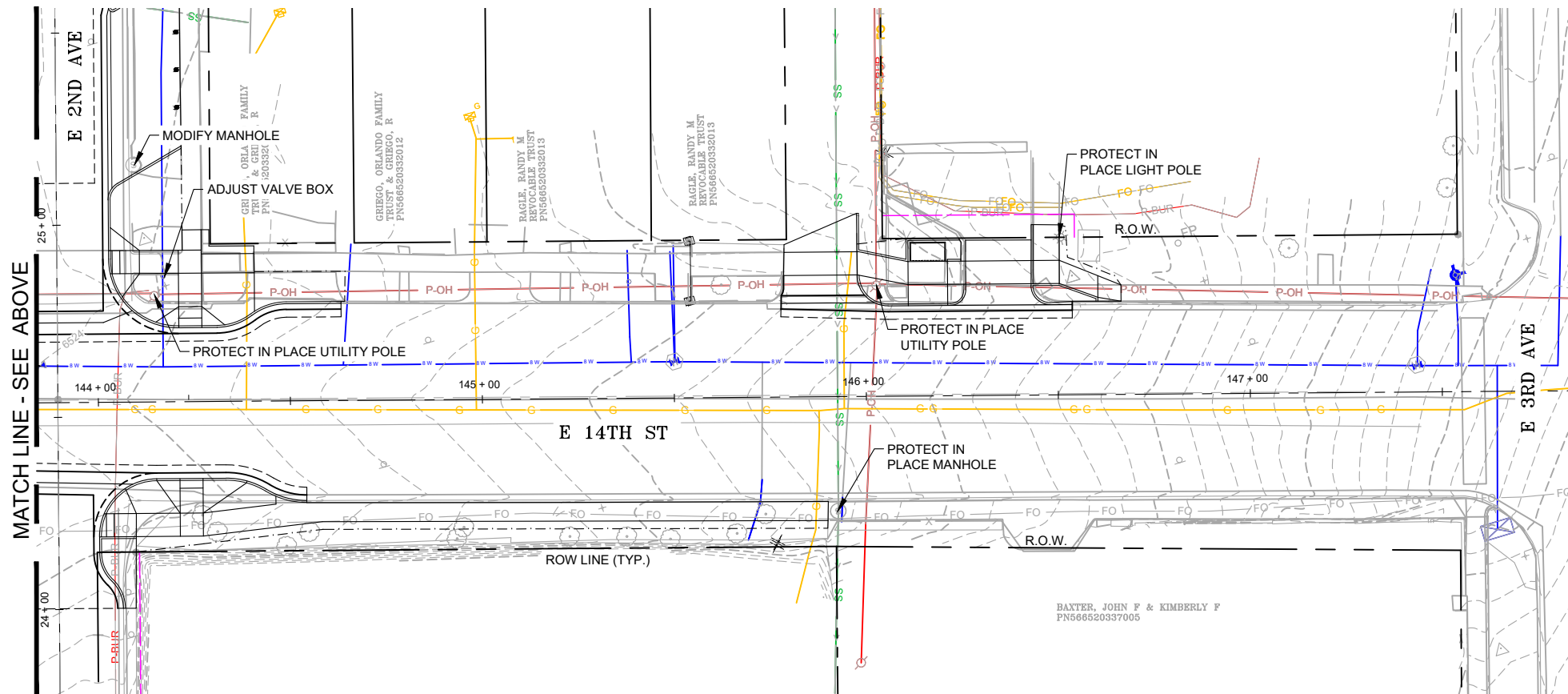
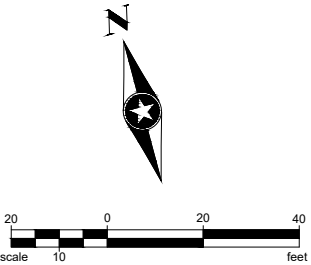
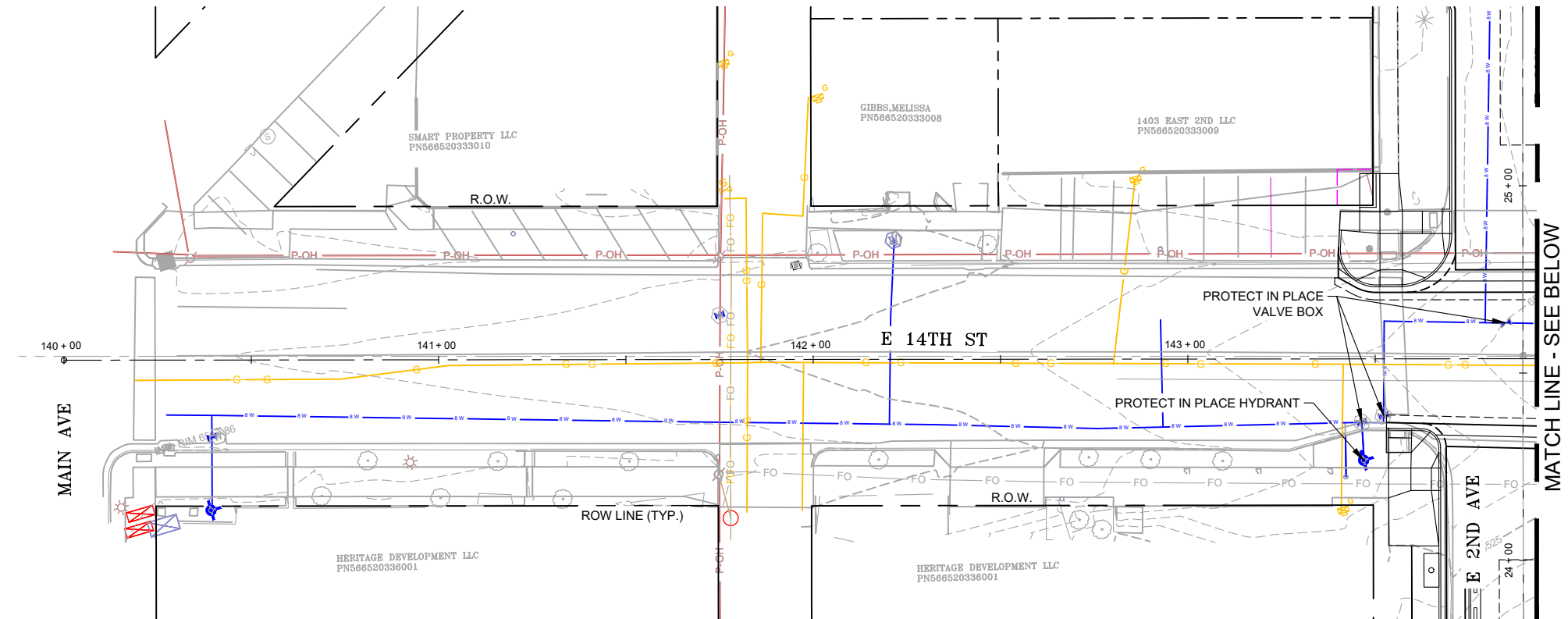


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DURANGO, CO 80131



MIDTOWN SAFETY &
CONNECTIVITY PROJECT

UTILITY PLANS		SHEET NO.
13TH ST MAIN AVE TO 2ND AVE		15
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	15 OF 58



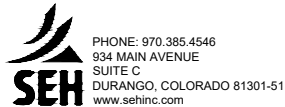
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COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING:
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DESIGNED JBN DATE 3/7/2025
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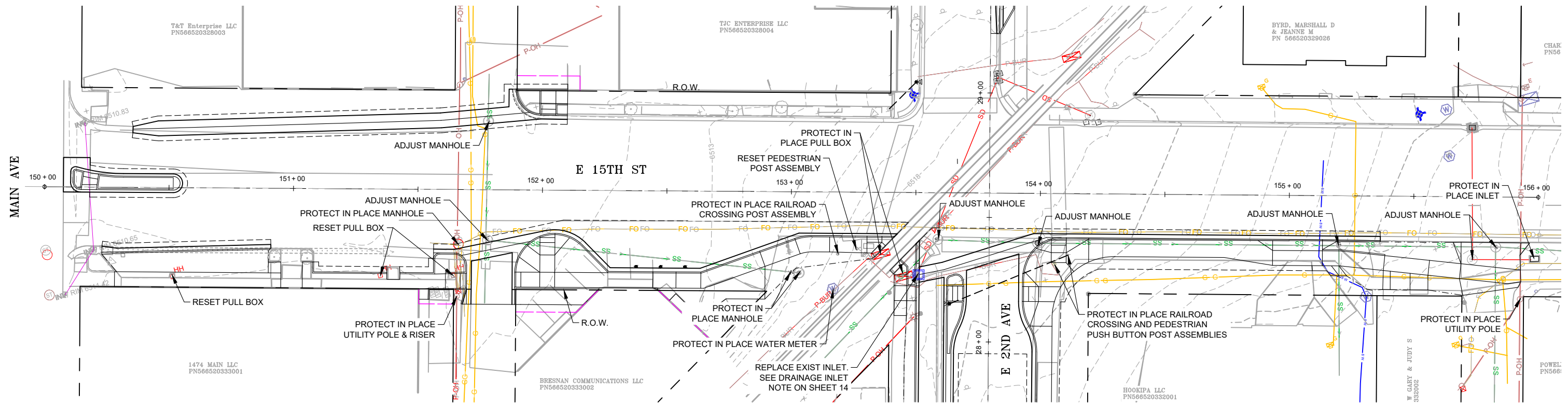
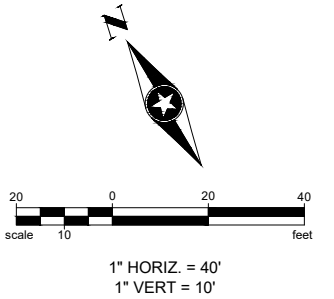


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PUBLIC WORKS
105 S. CAMINO DEL RIO
DURANGO, CO 80131



MIDTOWN SAFETY &
CONNECTIVITY PROJECT

UTILITY PLANS 14TH ST 2ND AVE TO 3RD AVE		SHEET NO. 16
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	16 OF 58



90% DESIGN SUBMITTAL

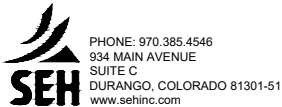
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COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING:
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DRAWN JBN DATE 3/7/2025
CHECKED SW DATE 3/7/2025



CITY OF DURANGO
PUBLIC WORKS
105 S. CAMINO DEL RIO
DURANGO, CO 80131

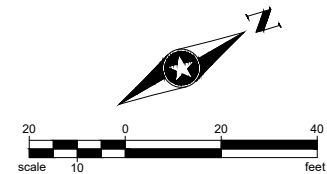
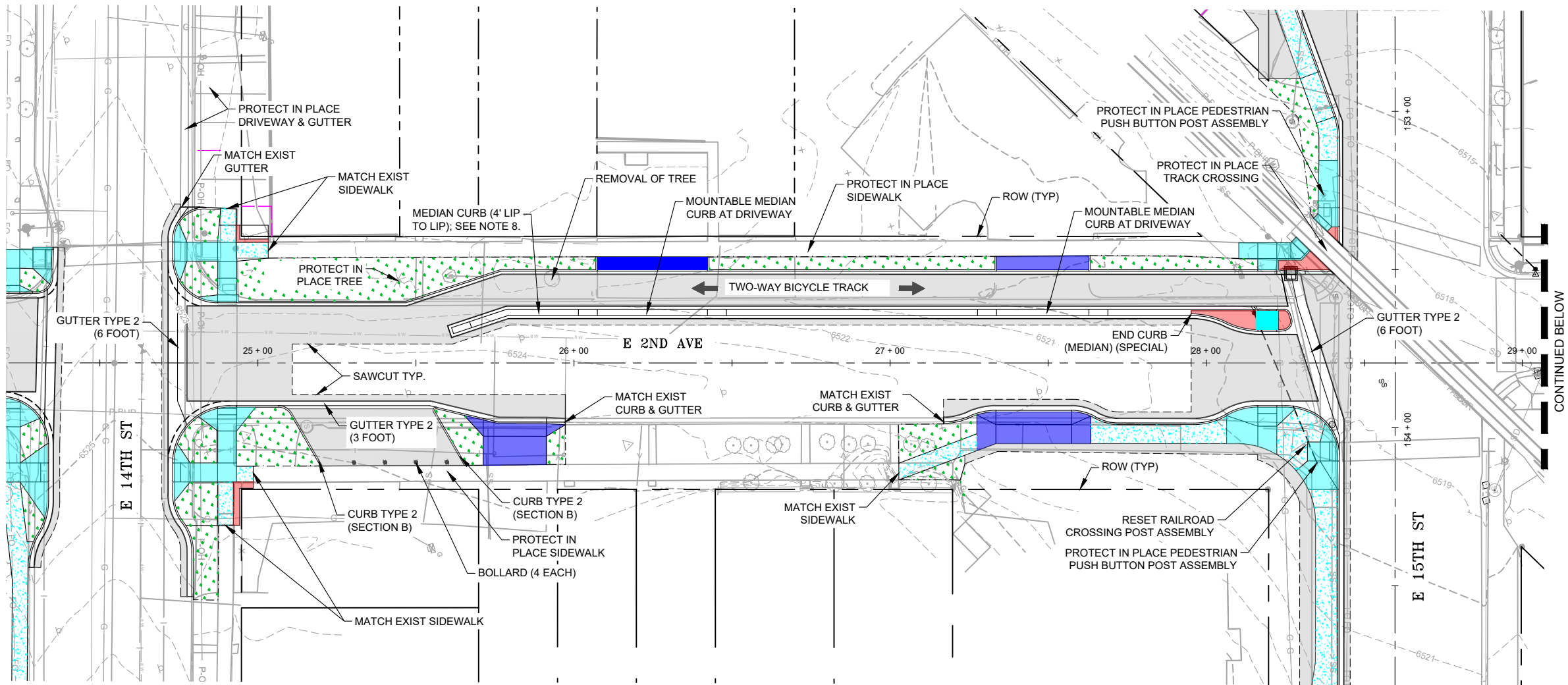


MIDTOWN SAFETY &
CONNECTIVITY PROJECT

UTILITY PLANS 15TH ST MAIN AVE TO 2ND AVE		SHEET NO. 17
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	17 OF 58

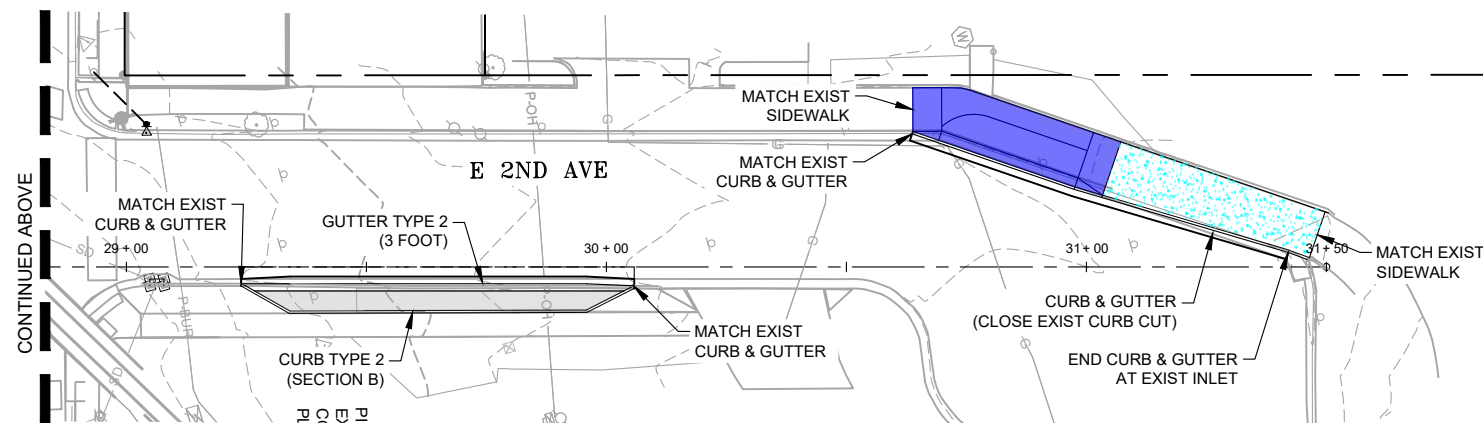


SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	18 OF 58
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NOTES:

1. ALL PROPOSED CURB & GUTTER TO BE CITY STANDARD CURBING WITH 18-INCH PAN AT 1/2" PER FOOT AND 6-INCH CURB HEIGHT, UNLESS OTHERWISE NOTED. SEE LAYOUT PLANS FOR CURB & GUTTER LAYOUT INFORMATION AND TYPES.
2. CURB & GUTTER WITH 18-INCH PAN SHALL BE PAID FOR AS 'CURB AND GUTTER TYPE 2 (SECTION II-B)'. ALL PROPOSED GUTTER CROSS PANS SHALL BE CONSTRUCTED PER CITY "STANDARD CROSS GUTTER" DETAIL.
3. ALL AREAS DENOTED AS 'CONCRETE PAVEMENT' SHALL BE 6-INCH DEPTH AND PAID FOR AS 6-INCH CONCRETE PAVEMENT.
4. SIDEWALK WIDTHS ARE FROM BACK OF CURB TO BACK OF SIDEWALK AND DO NOT INCLUDE TOP OF CURB WIDTH.
5. SEE REMOVAL PLANS FOR ADDITIONAL REMOVAL AND RESET INFORMATION. SEE SIGNING & STRIPING PLANS FOR SIGN AND PAVEMENT MARKING REMOVALS AND RESETS.
6. PEDESTRIAN CURB AND CURB TYPE 2 (SECTION B) ADJACENT TO CONCRETE SIDEWALK SHALL BE PAID FOR AS CONCRETE SIDEWALK.
7. MEDIAN CURB WITH 4-FOOT WIDTH LIP TO LIP SHALL BE PAID FOR AS CURB (MEDIAN) (SPECIAL). MEDIAN WITH WIDTH GREATER THAN 4-FOOT SHALL BE PAID FOR AS CURB & GUTTER AND MEDIAN COVER MATERIAL PAY ITEMS.



KEY

- HMA PAVEMENT
- CONCRETE SIDEWALK
- CONCRETE RAMP
- MEDIAN COVER MATERIAL
- CONCRETE PAVEMENT
- LANDSCAPE
- TEMPORARY CONSTRUCTION EASEMENT

90% DESIGN SUBMITTAL

NO.	REVISIONS	DATE	BY
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COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING:

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DESIGNED JBN DATE 3/7/2025
 DRAWN JBN DATE 3/7/2025
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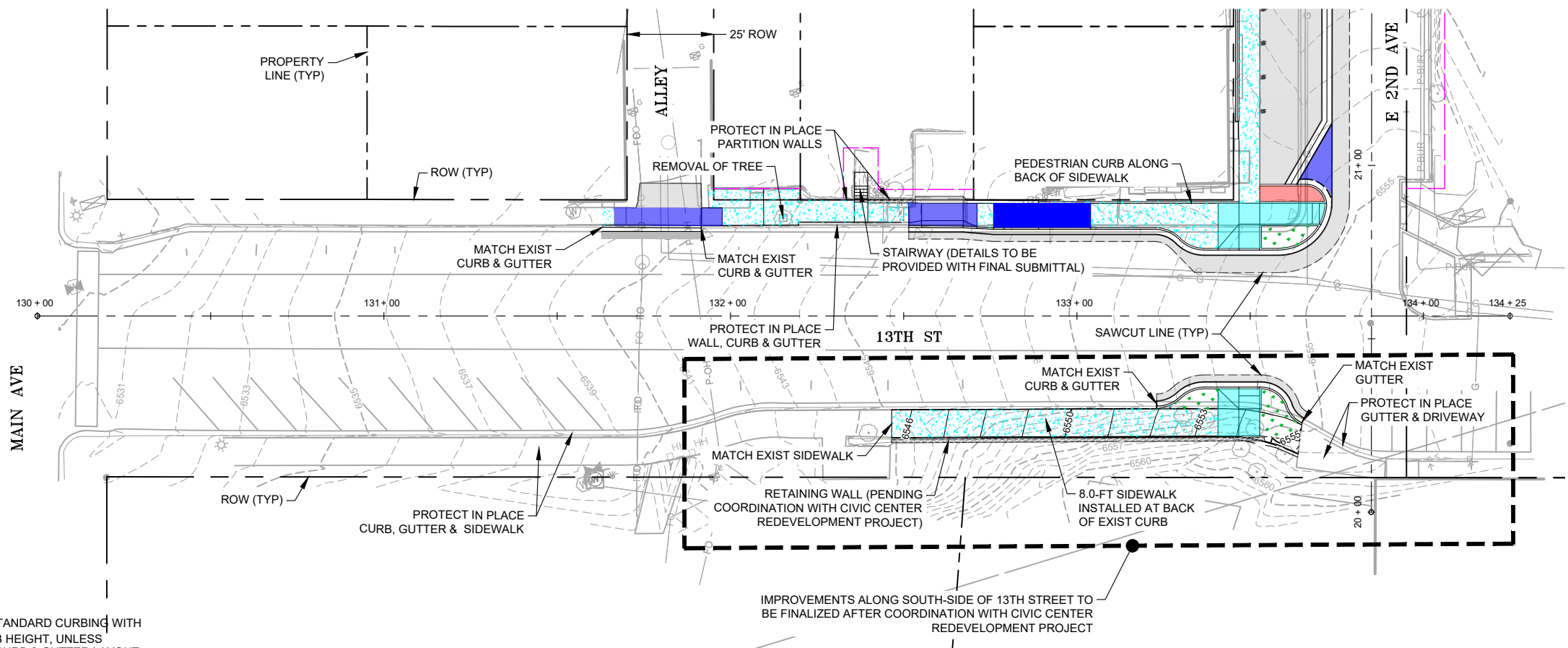
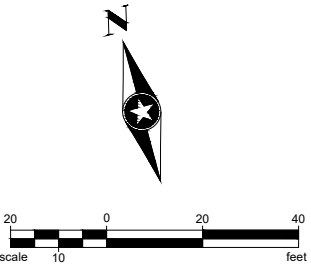
CITY OF DURANGO
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105 S. CAMINO DEL RIO
DURANGO, CO 80131



PHONE: 970.385.4546
934 MAIN AVENUE
SUITE C
DURANGO, COLORADO 81301-51
www.sehinc.com

MIDTOWN SAFETY & CONNECTIVITY PROJECT

ROADWAY PLAN 2ND AVE 14TH ST TO 15TH ST		SHEET NO. 19
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	19 OF 58



NOTES:

1. ALL PROPOSED CURB & GUTTER TO BE CITY STANDARD CURBING WITH 18-INCH PAN AT 1/2" PER FOOT AND 6-INCH CURB HEIGHT, UNLESS OTHERWISE NOTED. SEE LAYOUT PLANS FOR CURB & GUTTER LAYOUT INFORMATION AND TYPES.
2. CURB & GUTTER WITH 18-INCH PAN SHALL BE PAID FOR AS 'CURB AND GUTTER TYPE 2 (SECTION II-B).
3. ALL PROPOSED GUTTER CROSS PANS SHALL BE CONSTRUCTED PER CITY "STANDARD CROSS GUTTER" DETAIL.
4. ALL AREAS DENOTED AS 'CONCRETE PAVEMENT' SHALL BE 6-INCH DEPTH AND PAID FOR AS 6-INCH CONCRETE PAVEMENT.
5. SIDEWALK WIDTHS ARE FROM BACK OF CURB TO BACK OF SIDEWALK AND DO NOT INCLUDE TOP OF CURB WIDTH.
6. SEE REMOVAL PLANS FOR ADDITIONAL REMOVAL AND RESET INFORMATION. SEE SIGNING & STRIPING PLANS FOR SIGN AND PAVEMENT MARKING REMOVALS AND RESETS.
7. PEDESTRIAN CURB AND CURB TYPE 2 (SECTION B) ADJACENT TO CONCRETE SIDEWALK SHALL BE PAID FOR AS CONCRETE SIDEWALK.
8. MEDIAN CURB WITH 4-FOOT WIDTH LIP TO LIP SHALL BE PAID FOR AS CURB (MEDIAN) (SPECIAL). MEDIAN WITH WIDTH GREATER THAN 4-FEET SHALL BE PAID FOR AS CURB & GUTTER AND MEDIAN COVER MATERIAL PAY ITEMS.

KEY

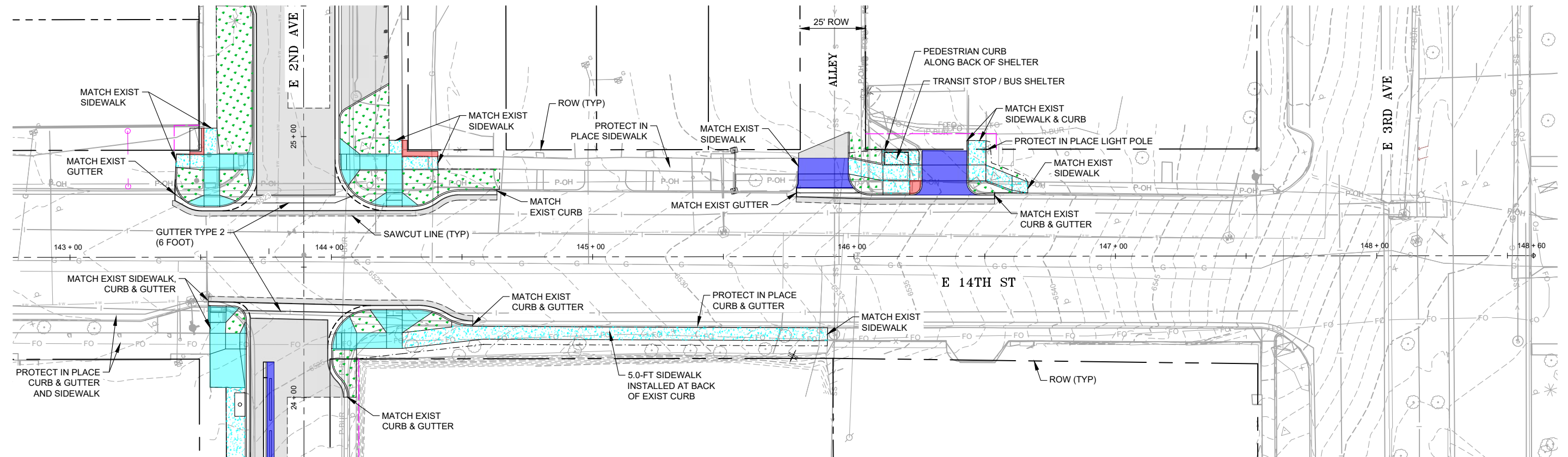
- HMA PAVEMENT
- CONCRETE SIDEWALK
- CONCRETE RAMP
- MEDIAN COVER MATERIAL
- CONCRETE PAVEMENT
- LANDSCAPE
- TEMPORARY CONSTRUCTION EASEMENT

90% DESIGN SUBMITTAL

NO.		REVISIONS	DATE	BY	COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING: 811	DESIGNED <u>JBN</u>	DATE <u>3/7/2025</u>	 CITY OF DURANGO PUBLIC WORKS 105 S. CAMINO DEL RIO DURANGO, CO 80131  PHONE: 970.385.4546 934 MAIN AVENUE SUITE C DURANGO, COLORADO 81301-51 www.sehinc.com	MIDTOWN SAFETY & CONNECTIVITY PROJECT	ROADWAY PLAN 13TH ST MAIN AVE TO 2ND AVE		SHEET NO. 20
1				DRAWN <u>JBN</u>		DATE <u>3/7/2025</u>	SEH PROJECT NO. 161088			DATE ISSUED 3/7/2025	20 OF 58	
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COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING:

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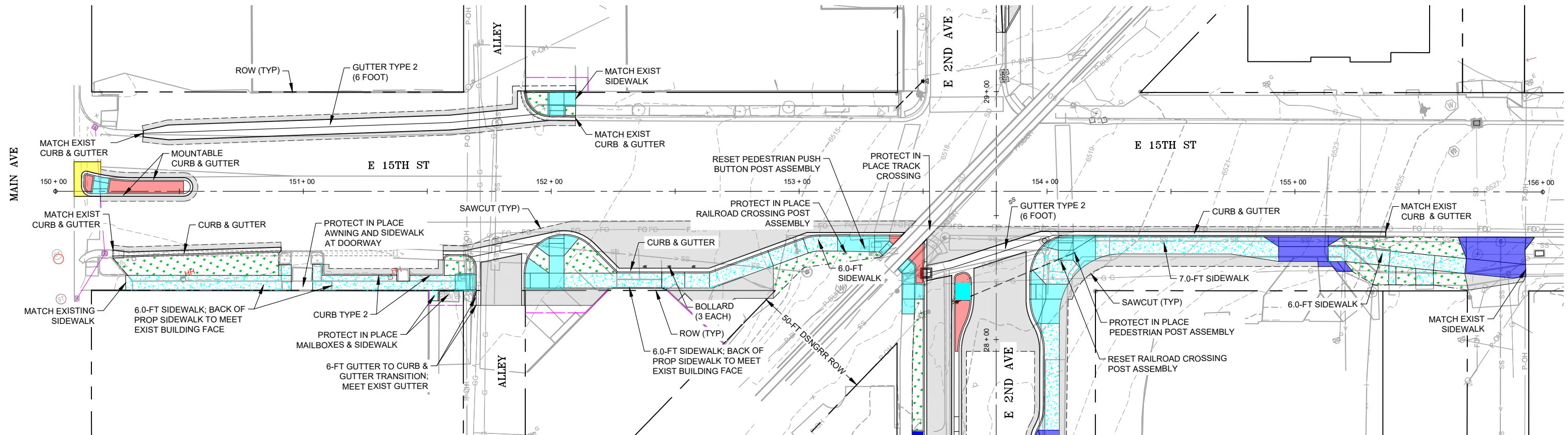
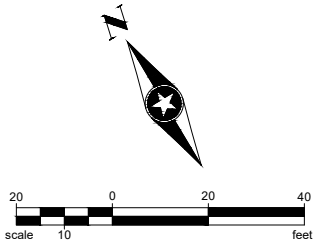
1. ALL PROPOSED CURB & GUTTER TO BE CITY STANDARD CURBING WITH 18-INCH PAN AT $\frac{1}{2}$ " PER FOOT AND 6-INCH CURB HEIGHT, UNLESS OTHERWISE NOTED. SEE LAYOUT PLANS FOR CURB & GUTTER LAYOUT INFORMATION AND TYPES.
2. CURB & GUTTER WITH 18-INCH PAN SHALL BE PAID FOR AS 'CURB AND GUTTER TYPE 2 (SECTION II-B).
3. ALL PROPOSED GUTTER CROSS PANS SHALL BE CONSTRUCTED PER CITY "STANDARD CROSS GUTTER" DETAIL.
4. ALL AREAS DENOTED AS 'CONCRETE PAVEMENT' SHALL BE 6-INCH DEPTH AND PAID FOR AS 6-INCH CONCRETE PAVEMENT.
5. SIDEWALK WIDTHS ARE FROM BACK OF CURB TO BACK OF SIDEWALK AND DO NOT INCLUDE TOP OF CURB WIDTH.
6. SEE REMOVAL PLANS FOR ADDITIONAL REMOVAL AND RESET INFORMATION. SEE SIGNING & STRIPING PLANS FOR SIGN AND PAVEMENT MARKING REMOVALS AND RESETS.
7. PEDESTRIAN CURB AND CURB TYPE 2 (SECTION B) ADJACENT TO CONCRETE SIDEWALK SHALL BE PAID FOR AS CONCRETE SIDEWALK.
8. MEDIAN CURB WITH 4-FOOT WIDTH LIP TO LIP SHALL BE PAID FOR AS CURB (MEDIAN) (SPECIAL). MEDIAN WITH WIDTH GREATER THAN 4-FEET SHALL BE PAID FOR AS CURB & GUTTER AND MEDIAN COVER MATERIAL PAY ITEMS.

KEY

-  HMA PAVEMENT
 CONCRETE SIDEWALK
 CONCRETE RAMP
 MEDIAN COVER MATERIAL
 CONCRETE PAVEMENT
 LANDSCAPE
 TEMPORARY CONSTRUCTION EASEMENT

90% DESIGN SUBMITTAL

NO.	REVISIONS	DATE	BY	COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING: 811	DESIGNED <u>JBN</u>	DATE <u>3/7/2025</u>	 CITY OF DURANGO PUBLIC WORKS 105 S. CAMINO DEL RIO DURANGO, CO 80131	 PHONE: 970.385.4546 934 MAIN AVENUE SUITE C DURANGO, COLORADO 81301-51 www.sehinc.com	MIDTOWN SAFETY & CONNECTIVITY PROJECT	ROADWAY PLAN		SHEET NO.
1					DRAWN <u>JBN</u>	DATE <u>3/7/2025</u>				14TH ST		21
2					CHECKED <u>SW</u>	DATE <u>3/7/2025</u>				2ND AVE TO 3RD AVE		21 OF 58
3												
4												
5												
SEH PROJECT NO.		DATE ISSUED										
161088		3/7/2025										



NOTES:

1. ALL PROPOSED CURB & GUTTER TO BE CITY STANDARD CURBING WITH 18-INCH PAN AT $\frac{1}{2}$ " PER FOOT AND 6-INCH CURB HEIGHT, UNLESS OTHERWISE NOTED. SEE LAYOUT PLANS FOR CURB & GUTTER LAYOUT INFORMATION AND TYPES.
2. CURB & GUTTER WITH 18-INCH PAN SHALL BE PAID FOR AS 'CURB AND GUTTER TYPE 2 (SECTION II-B).
3. ALL PROPOSED GUTTER CROSS PANS SHALL BE CONSTRUCTED PER CITY "STANDARD CROSS GUTTER" DETAIL.
4. ALL AREAS DENOTED AS 'CONCRETE PAVEMENT' SHALL BE 6-INCH DEPTH AND PAID FOR AS 6-INCH CONCRETE PAVEMENT.
5. SIDEWALK WIDTHS ARE FROM BACK OF CURB TO BACK OF SIDEWALK AND DO NOT INCLUDE TOP OF CURB WIDTH.
6. SEE REMOVAL PLANS FOR ADDITIONAL REMOVAL AND RESET INFORMATION. SEE SIGNING & STRIPING PLANS FOR SIGN AND PAVEMENT MARKING REMOVALS AND RESETS.
7. PEDESTRIAN CURB AND CURB TYPE 2 (SECTION B) ADJACENT TO CONCRETE SIDEWALK SHALL BE PAID FOR AS CONCRETE SIDEWALK.
8. MEDIAN CURB WITH 4-FOOT WIDTH LIP TO LIP SHALL BE PAID FOR AS CURB (MEDIAN) (SPECIAL). MEDIAN WITH WIDTH GREATER THAN 4-FEET SHALL BE PAID FOR AS CURB & GUTTER AND MEDIAN COVER MATERIAL PAY ITEMS.

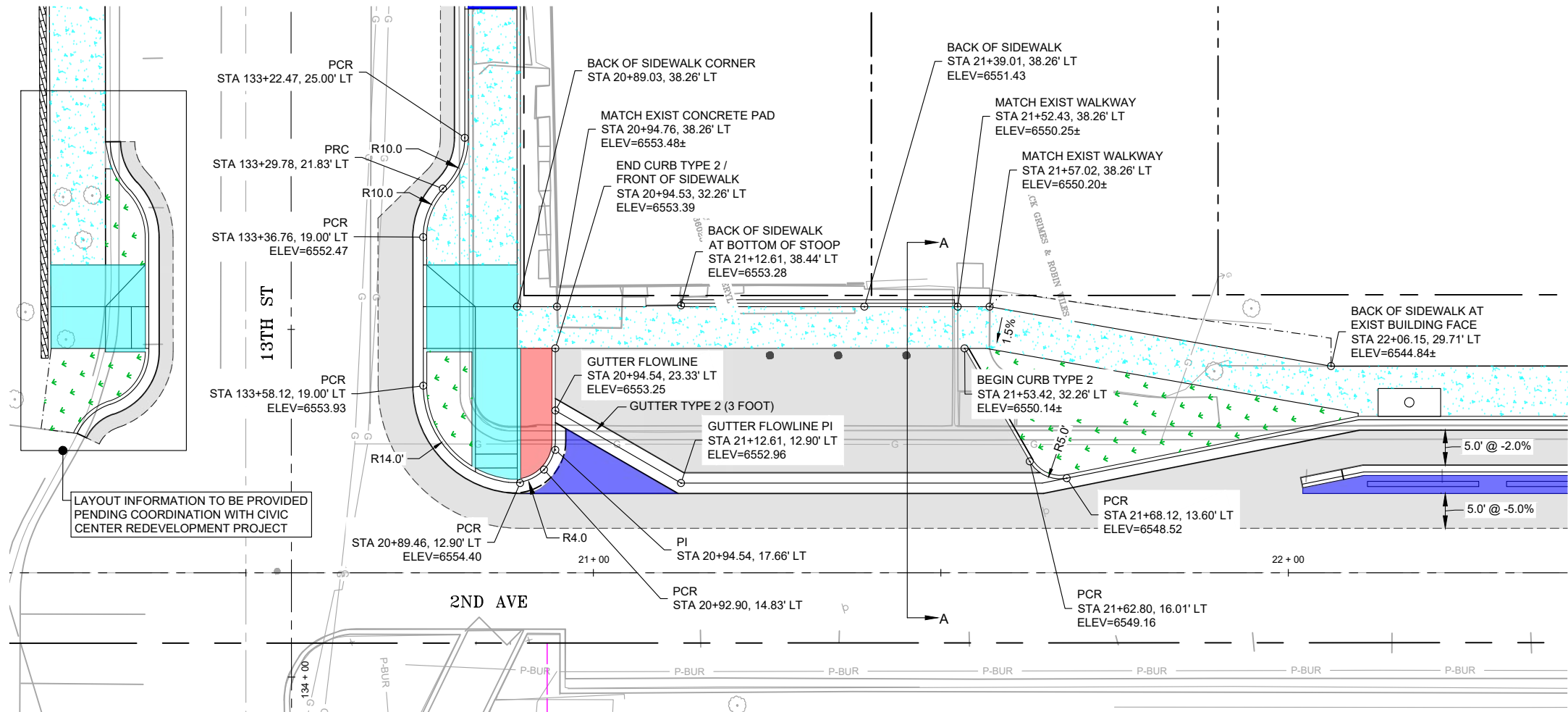
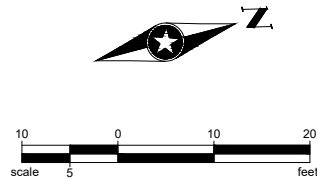
KEY

- HMA PAVEMENT
- CONCRETE SIDEWALK
- CONCRETE RAMP
- MEDIAN COVER MATERIAL
- CONCRETE PAVEMENT
- LANDSCAPE
- TEMPORARY CONSTRUCTION EASEMENT

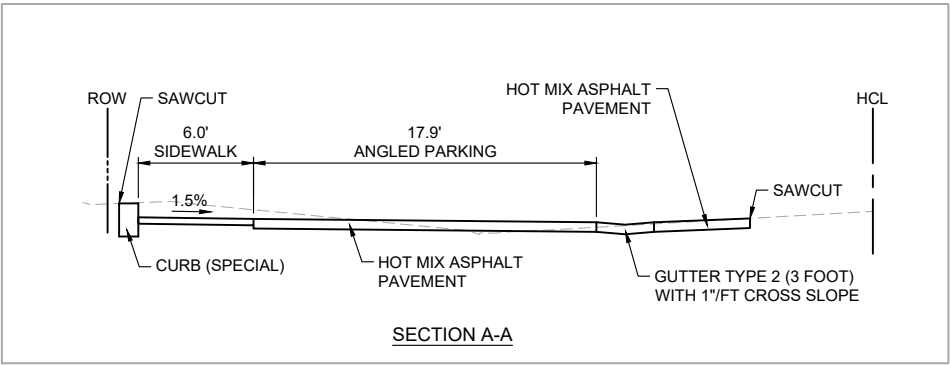
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NO.	REVISIONS	DATE	BY	COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING: 811	DESIGNED <u>JBN</u>	DATE <u>3/7/2025</u>	 CITY OF DURANGO PUBLIC WORKS 105 S. CAMINO DEL RIO DURANGO, CO 80131  PHONE: 970.385.4546 934 MAIN AVENUE SUITE C DURANGO, COLORADO 81301-51 www.sehinc.com	MIDTOWN SAFETY & CONNECTIVITY PROJECT	ROADWAY PLAN 15TH ST MAIN AVE TO 2ND AVE		SHEET NO.
1					DRAWN <u>JBN</u>	DATE <u>3/7/2025</u>					22
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					SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	22 OF 58				

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LAYOUT INFORMATION TO BE PROVIDED
PENDING COORDINATION WITH CIVIC
CENTER REDEVELOPMENT PROJECT



- KEY**
- HMA PAVEMENT
 - CONCRETE SIDEWALK
 - CONCRETE RAMP
 - MEDIAN COVER MATERIAL
 - CONCRETE DRIVEWAY
 - LANDSCAPE
 - TEMP CONSTRUCTION EASEMENT

90% DESIGN SUBMITTAL

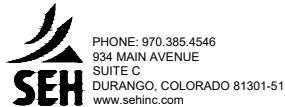
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COLORADO LAW (SENATE BILL 93-155) REQUIRES
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DRAWN JBN DATE 3/7/2025
CHECKED SW DATE 3/7/2025



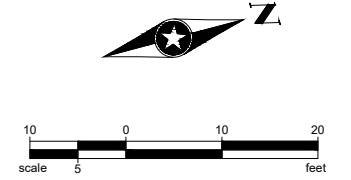
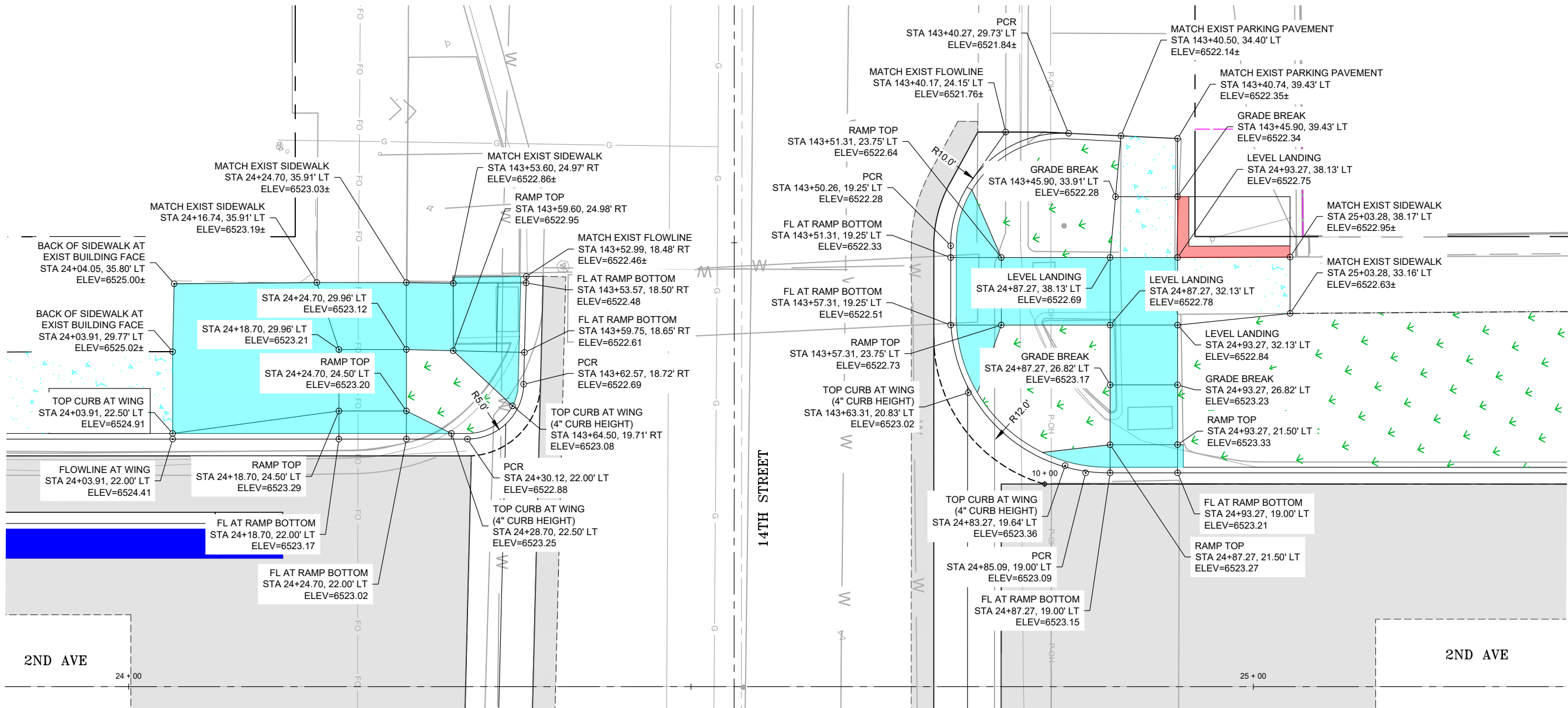
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MIDTOWN SAFETY &
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LAYOUT PLAN 2ND AVENUE 13TH ST TO STA 22+50		SHEET NO. 23
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	23 OF 58

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- KEY**
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 - CONCRETE SIDEWALK
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 - LANDSCAPE
 - TEMP CONSTRUCTION EASEMENT

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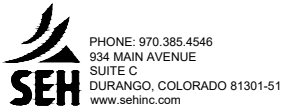
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DRAWN JBN DATE 3/7/2025
CHECKED SW DATE 3/7/2025



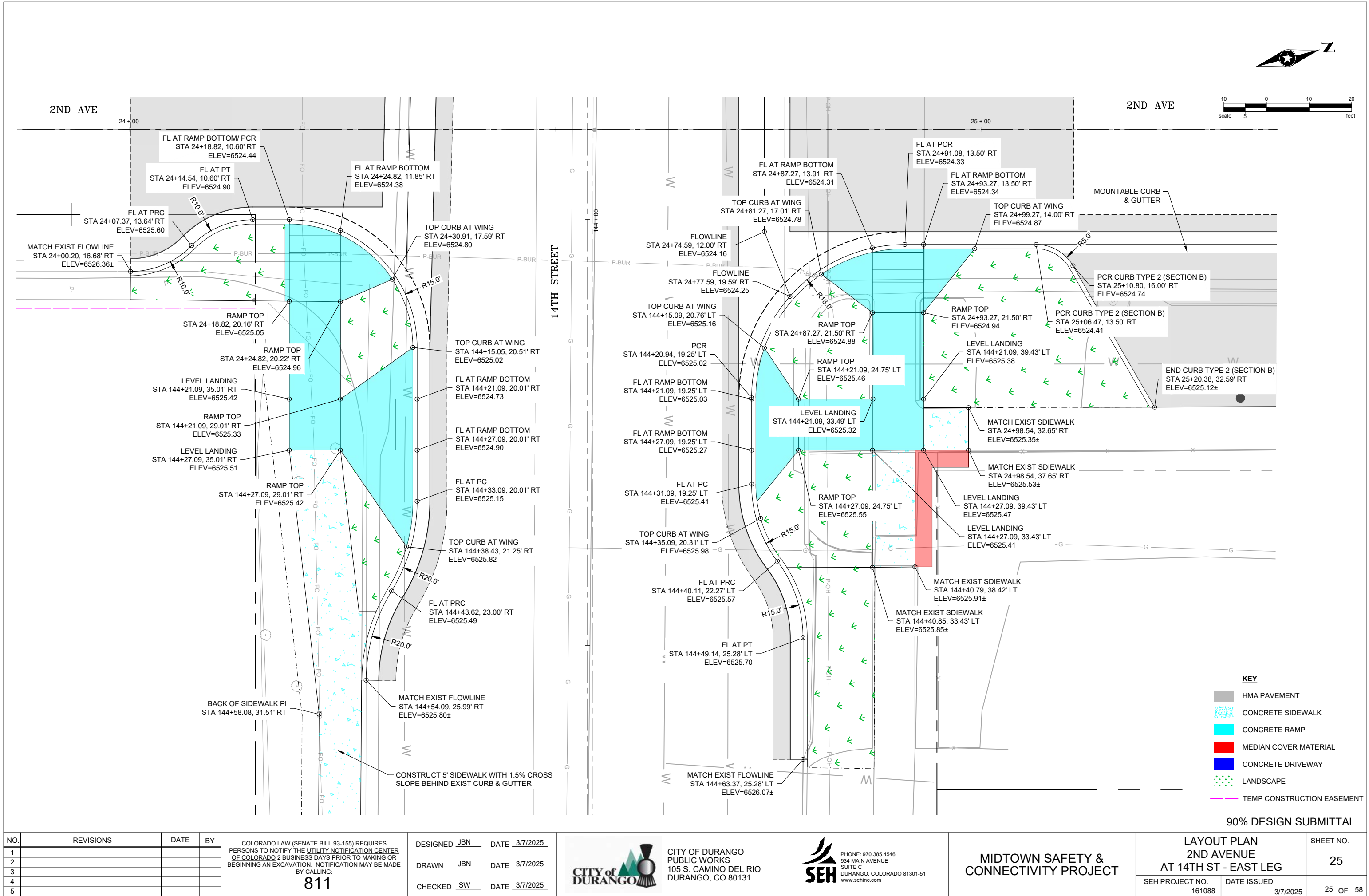
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MIDTOWN SAFETY & CONNECTIVITY PROJECT

LAYOUT PLAN 2ND AVENUE AT 14TH ST - WEST LEG		SHEET NO. 24
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	24 OF 58

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CHECKED	SW	DATE	3/7/2025



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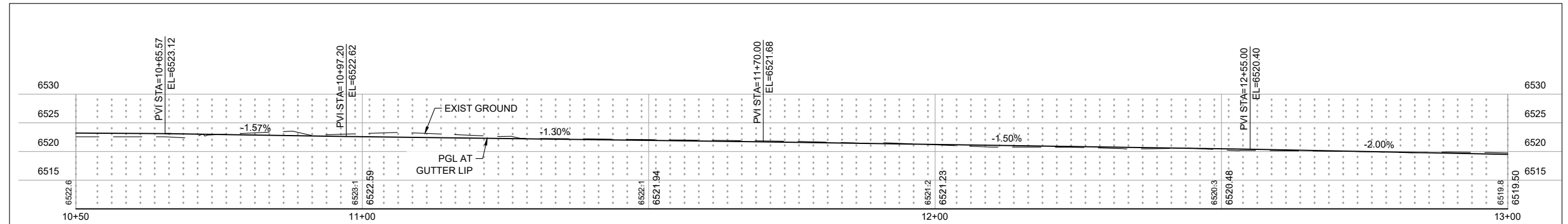
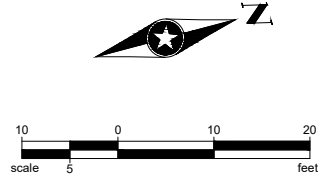
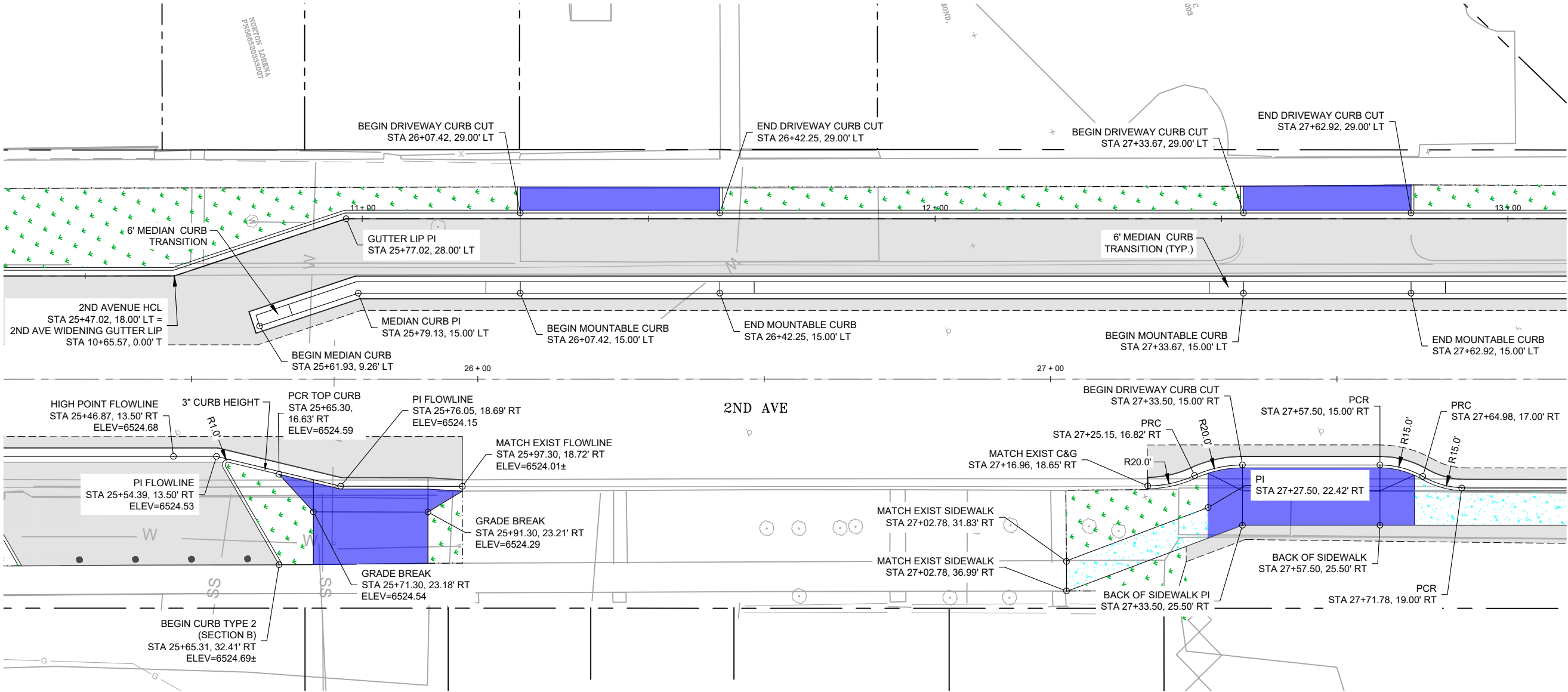


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LAYOUT PLAN 2ND AVENUE AT 14TH ST - EAST LEG		SHEET NO.
SEH PROJECT NO. 161088		25
DATE ISSUED 3/7/2025	25 OF 58	

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- KEY**
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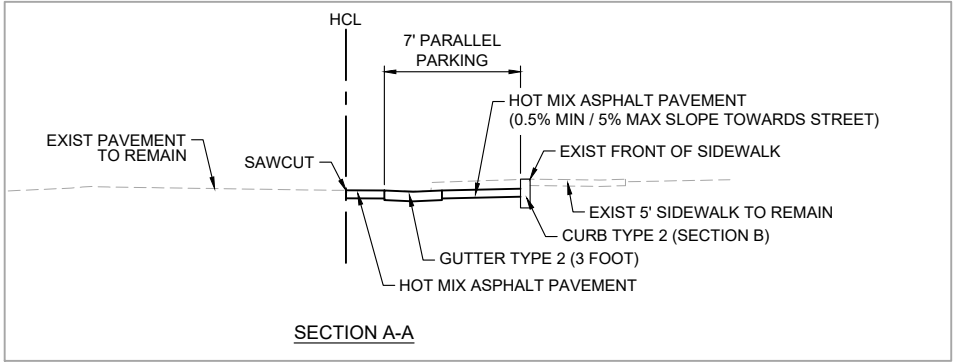
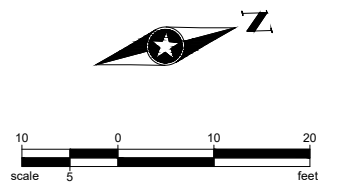
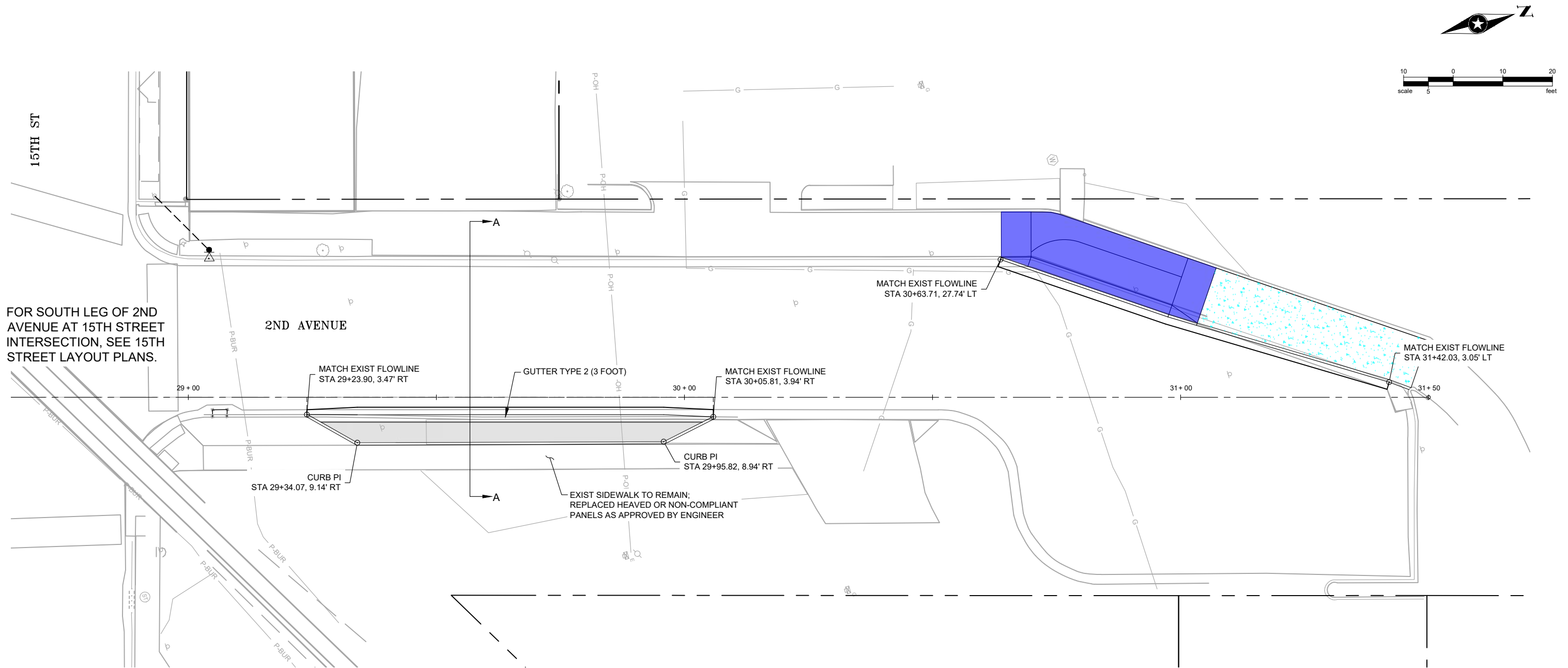
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MIDTOWN SAFETY &
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LAYOUT PLAN 2ND AVENUE STA 25+20 TO STA 27+90		SHEET NO. 26
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	26 OF 58

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- KEY**
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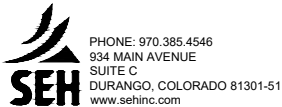
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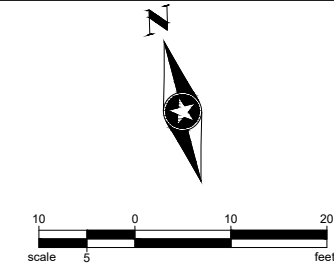
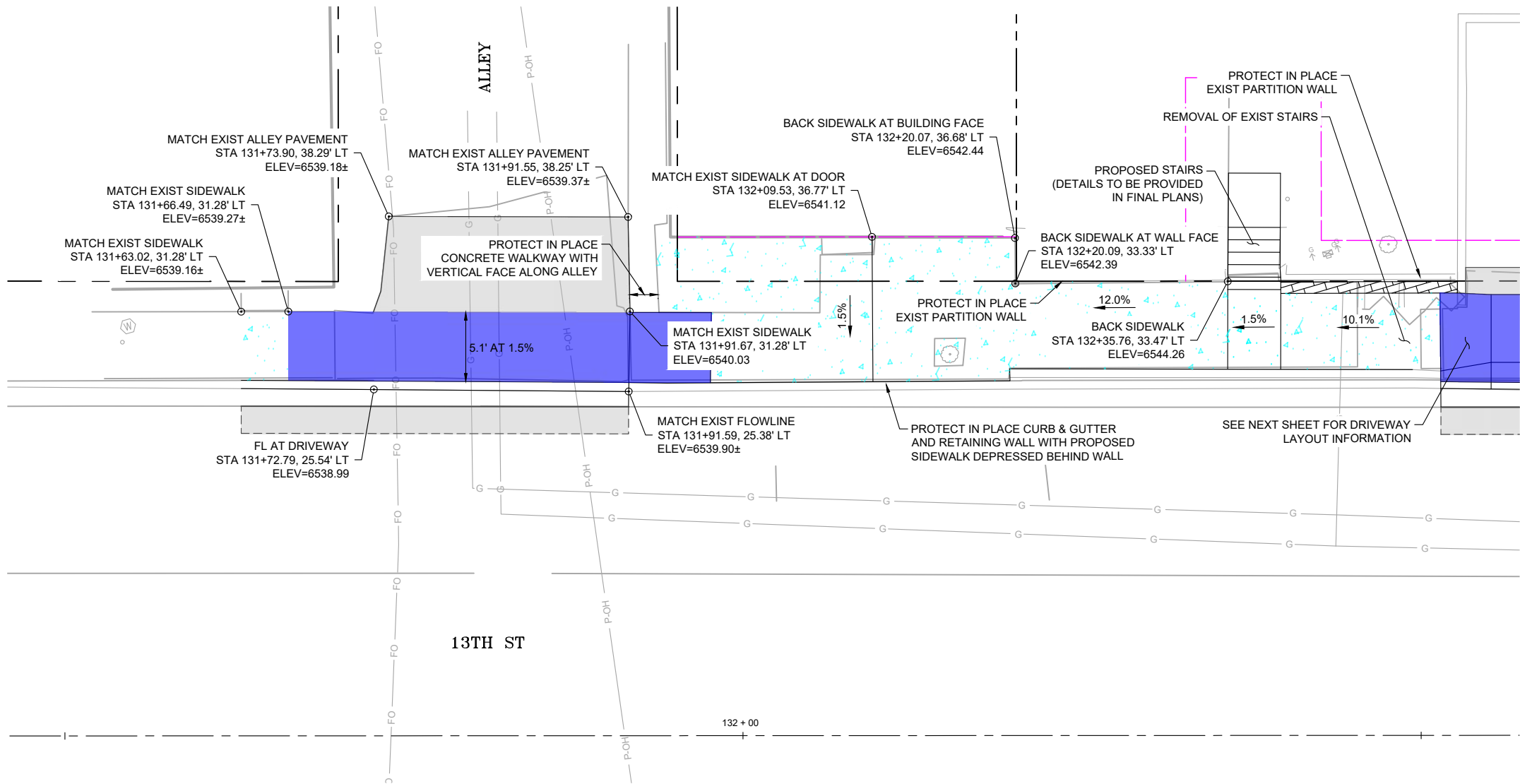
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MIDTOWN SAFETY &
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LAYOUT PLAN 2ND AVENUE NORTH OF 15TH STREET		SHEET NO. 27
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	27 OF 58

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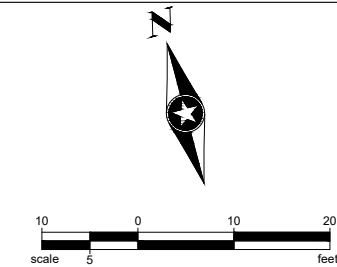
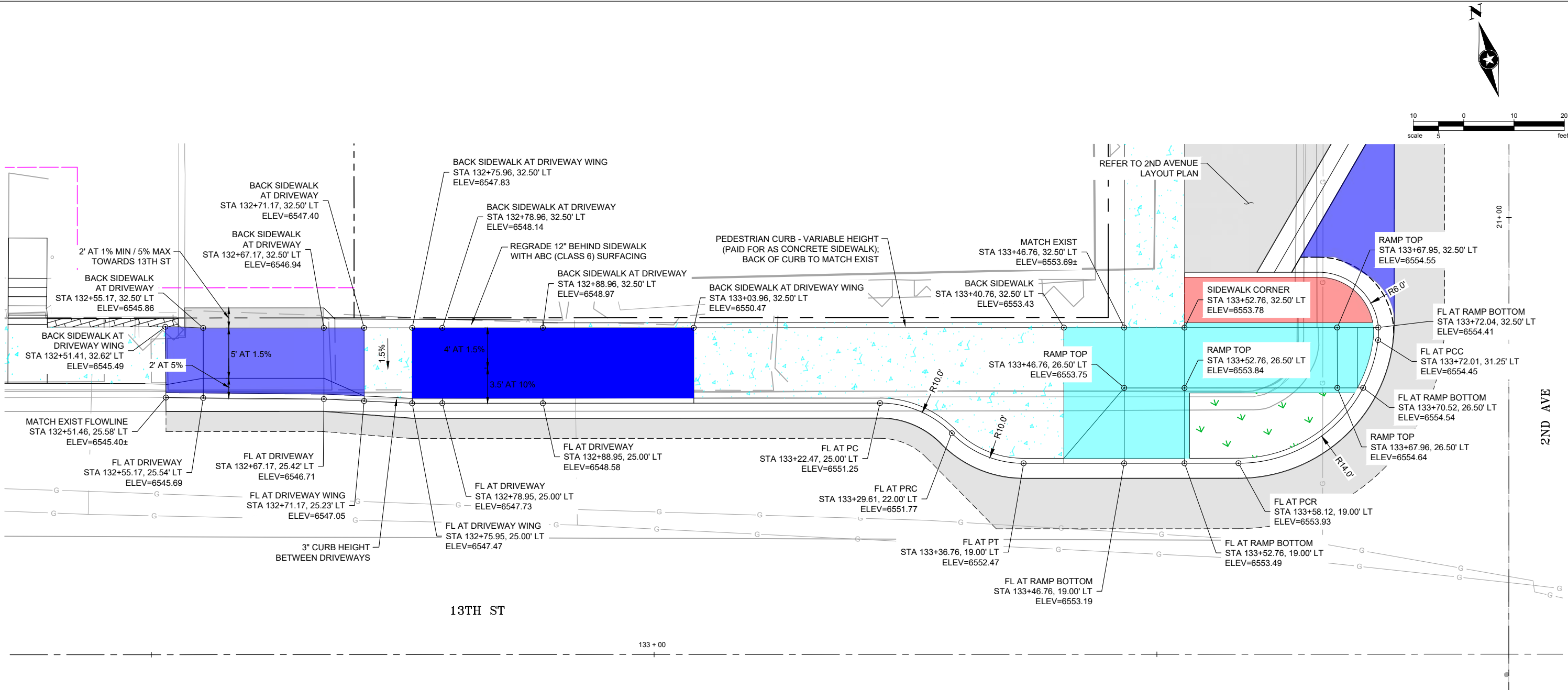


MIDTOWN SAFETY &
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LAYOUT PLAN 13TH STREET ALLEY TO STA 132+50		SHEET NO. 28
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	28 OF 58

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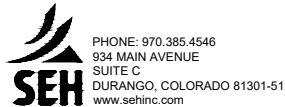
COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING:

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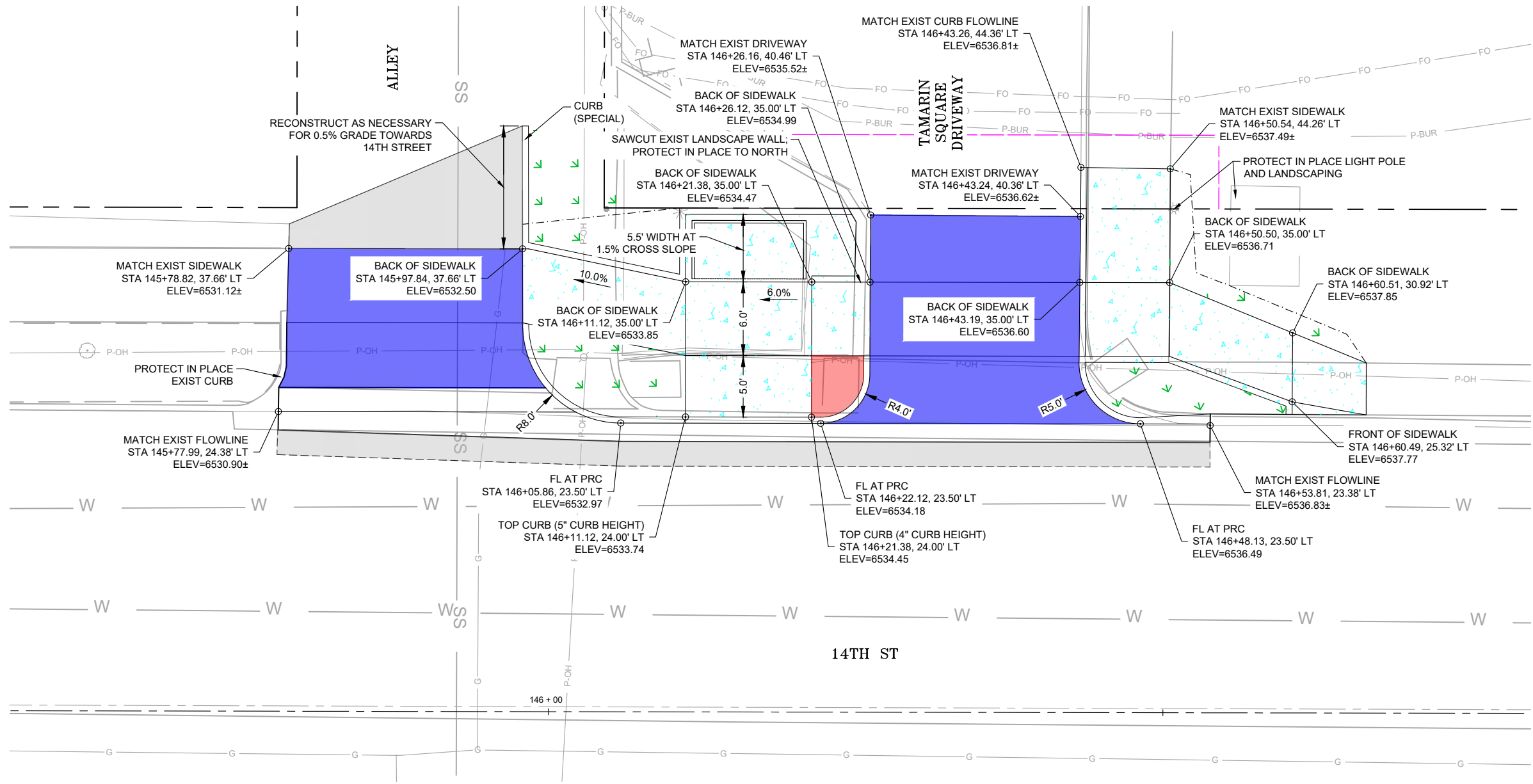
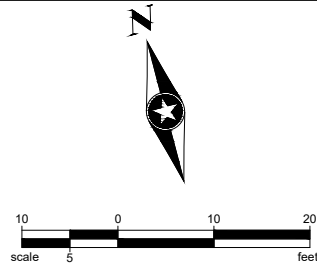
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MIDTOWN SAFETY &
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LAYOUT PLAN 13TH STREET STA 132+50 TO 2ND AVE		SHEET NO. 29
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	29 OF 58

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- KEY**
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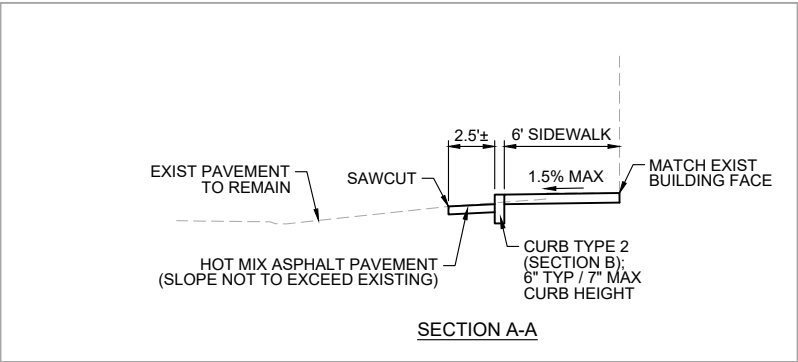
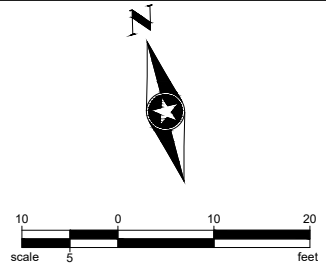
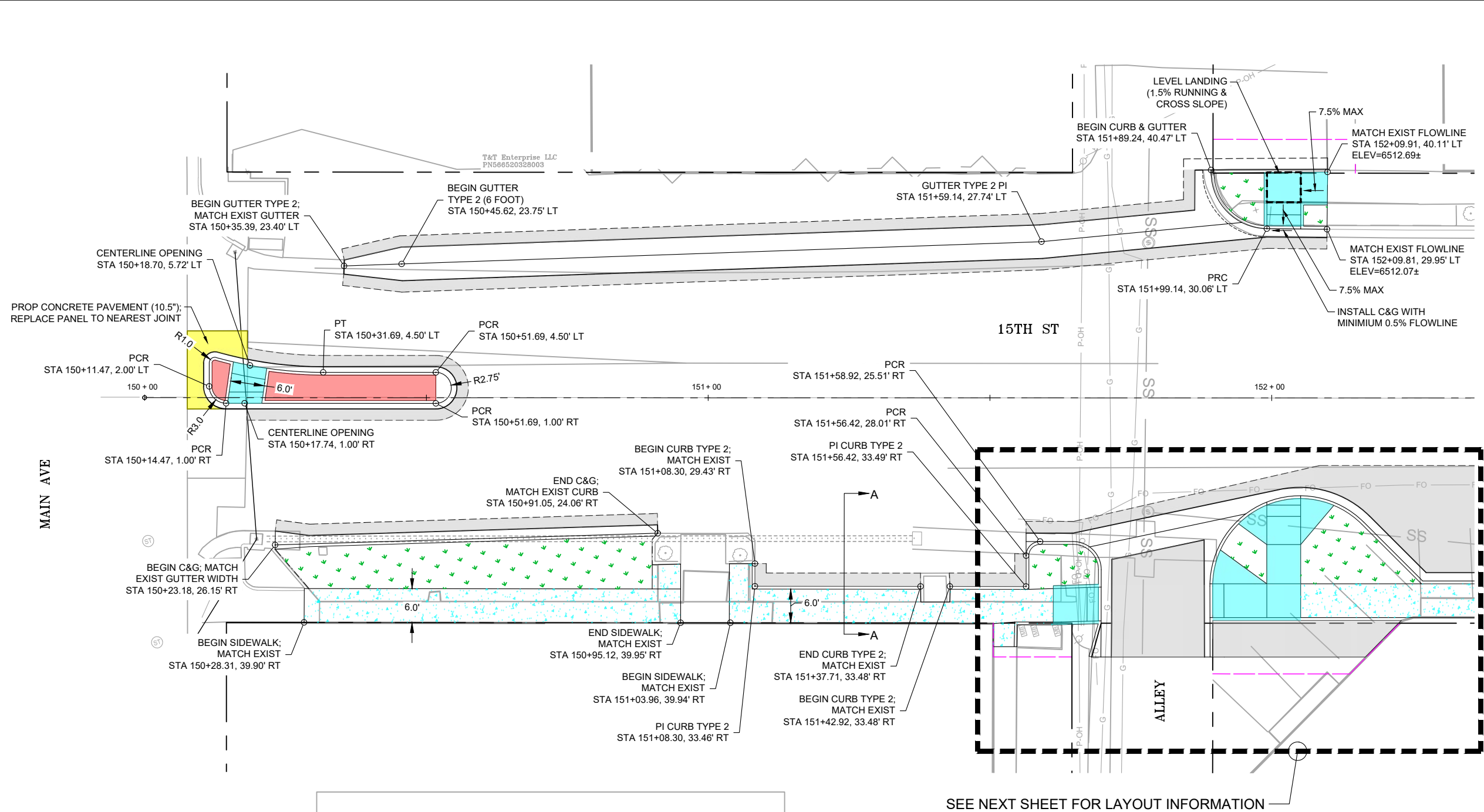
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MIDTOWN SAFETY &
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LAYOUT PLAN 14TH STREET AT TRANSIT STOP		SHEET NO.
SEH PROJECT NO. 161088		30
DATE ISSUED 3/7/2025	30 OF 58	

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- KEY**
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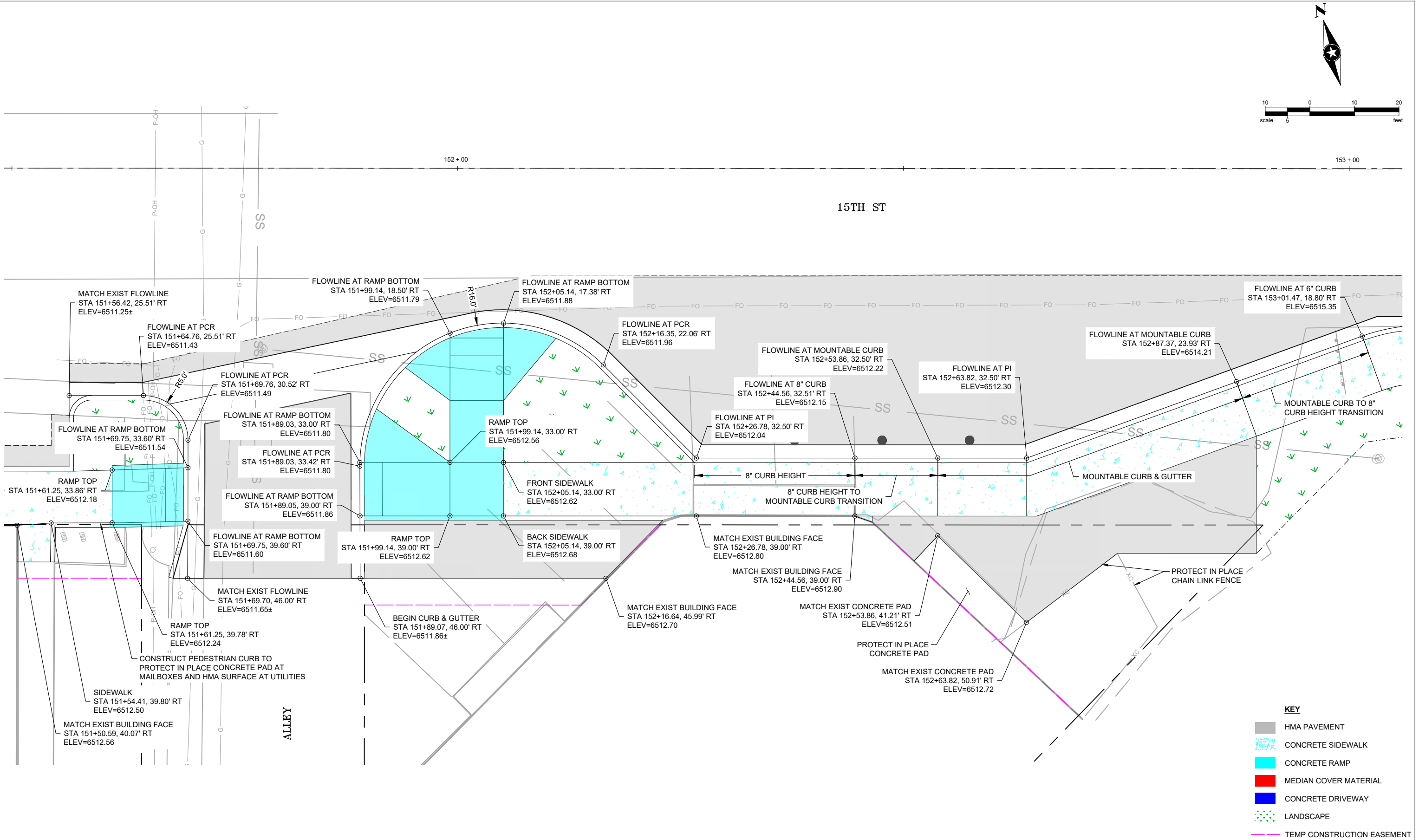


MIDTOWN SAFETY &
CONNECTIVITY PROJECT

LAYOUT PLAN
15TH STREET
MAIN AVE TO ALLEY

SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	SHEET NO. 31 31 OF 58
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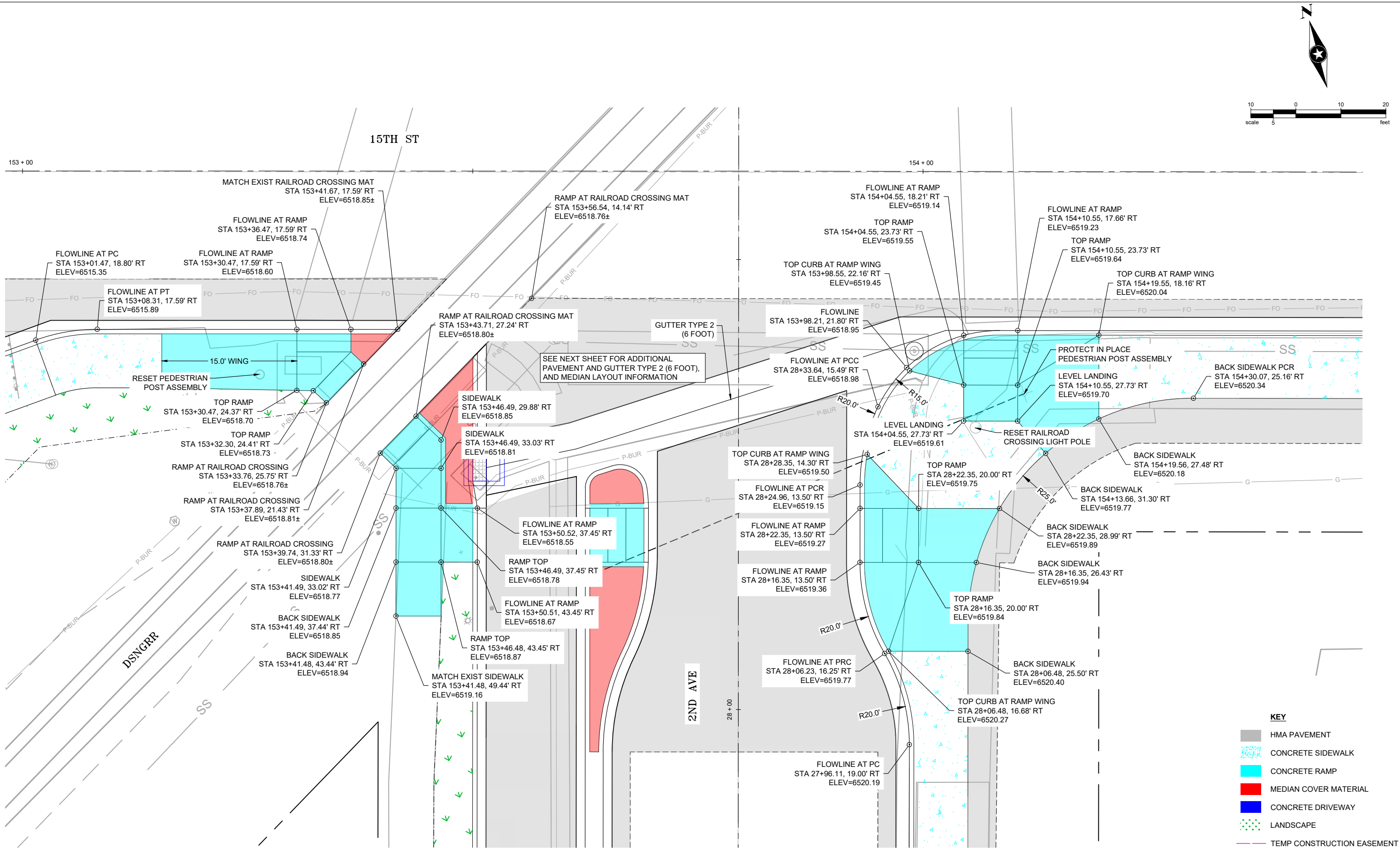
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DURANGO, CO 80131

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SUITE C
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MIDTOWN SAFETY & CONNECTIVITY PROJECT

LAYOUT PLAN 15 STREET ALLEY TO STA 153+00		SHEET NO. 32
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	32 OF 58

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- KEY**
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 - MEDIAN COVER MATERIAL
 - CONCRETE DRIVEWAY
 - LANDSCAPE
 - TEMP CONSTRUCTION EASEMENT

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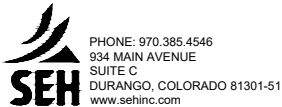
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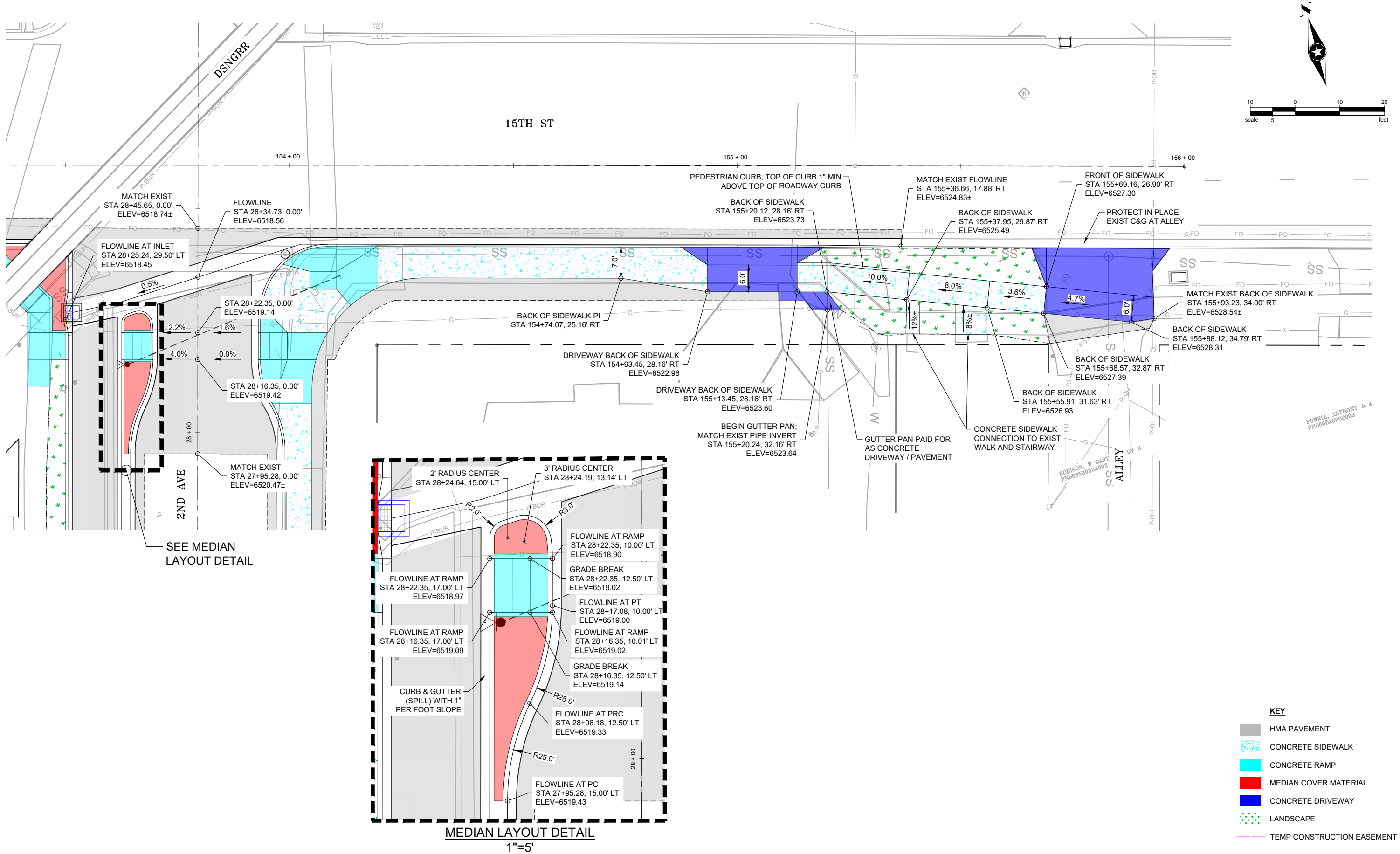
MIDTOWN SAFETY &
CONNECTIVITY PROJECT

LAYOUT PLAN
15TH STREET
AT 2ND AVE - SOUTH LEG

SHEET NO.
33

SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	33 OF 58
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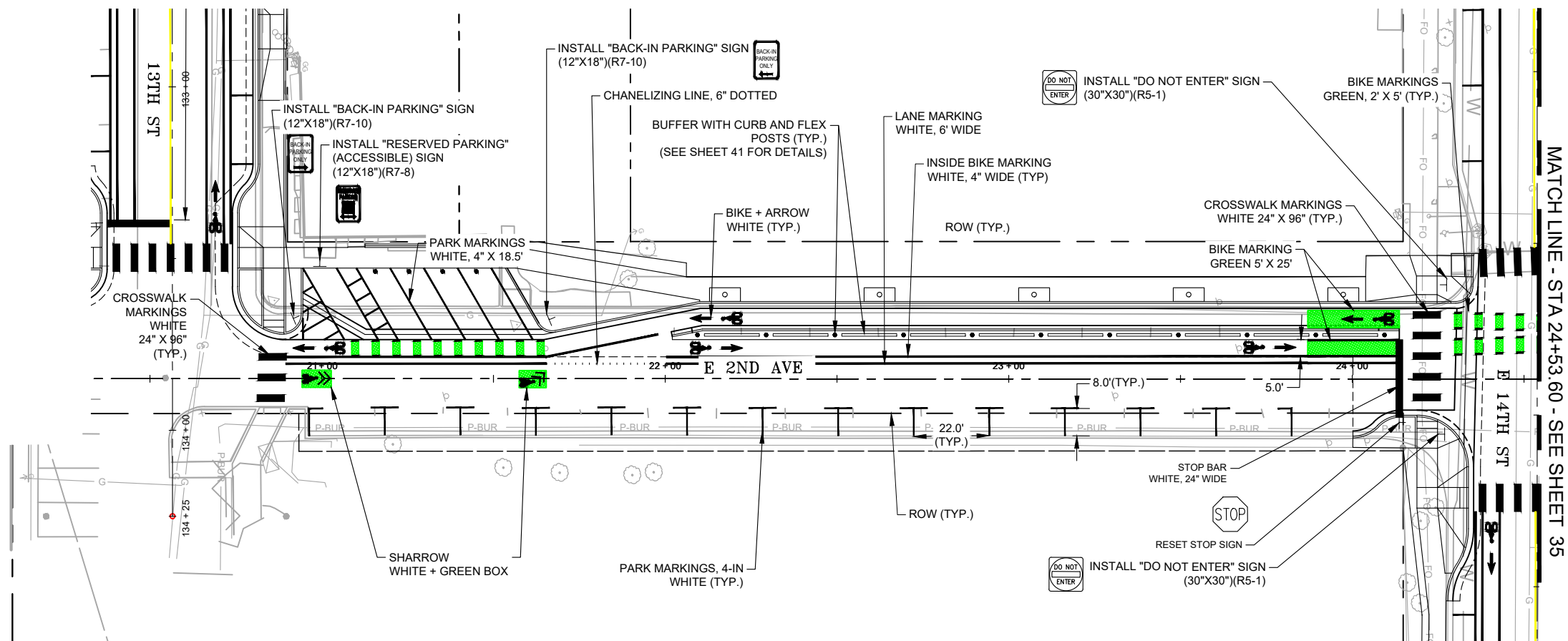
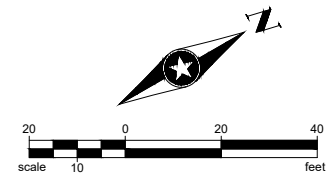


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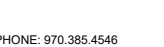
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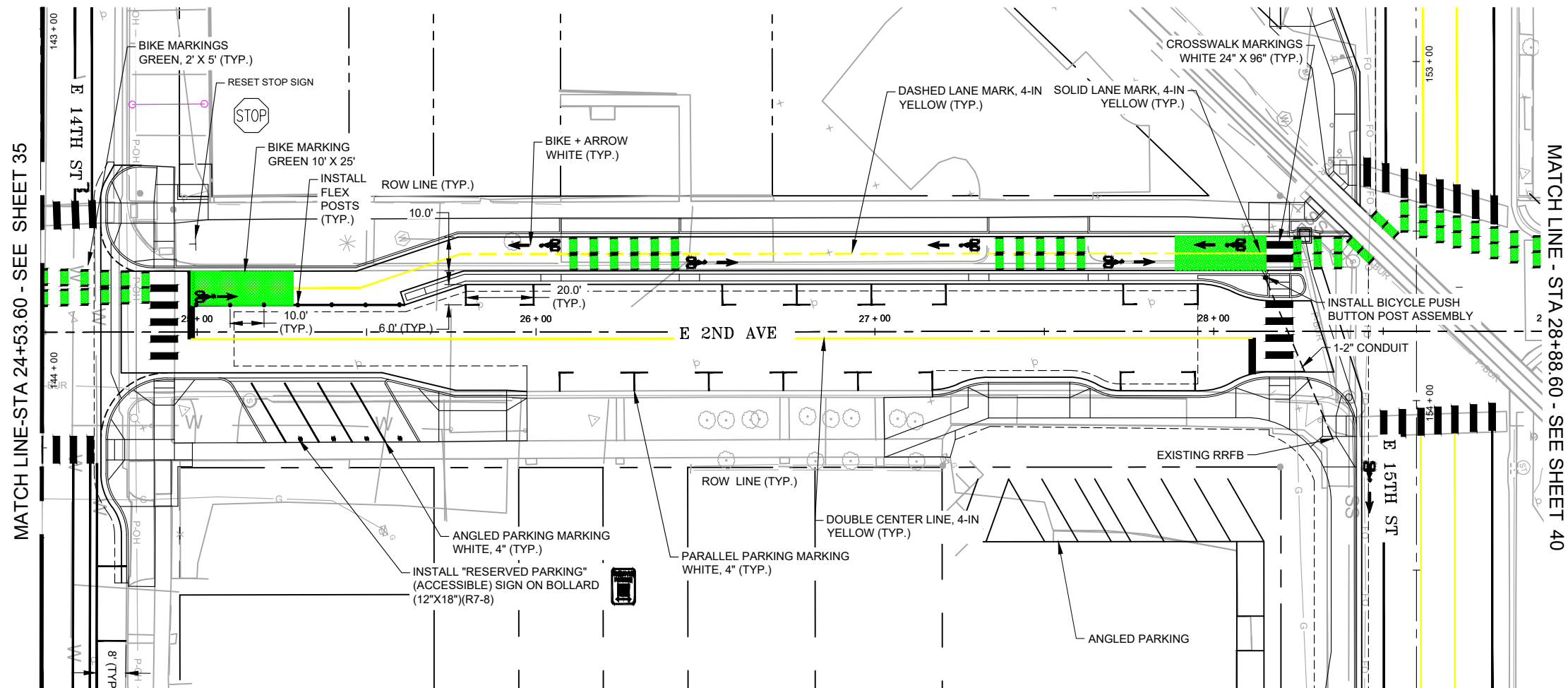
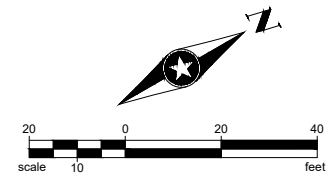
MIDTOWN SAFETY & CONNECTIVITY PROJECT

LAYOUT PLAN 15TH STREET 2ND AVE TO ALLEY		SHEET NO.
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SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	34 OF 58



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NO.	REVISIONS	DATE	BY
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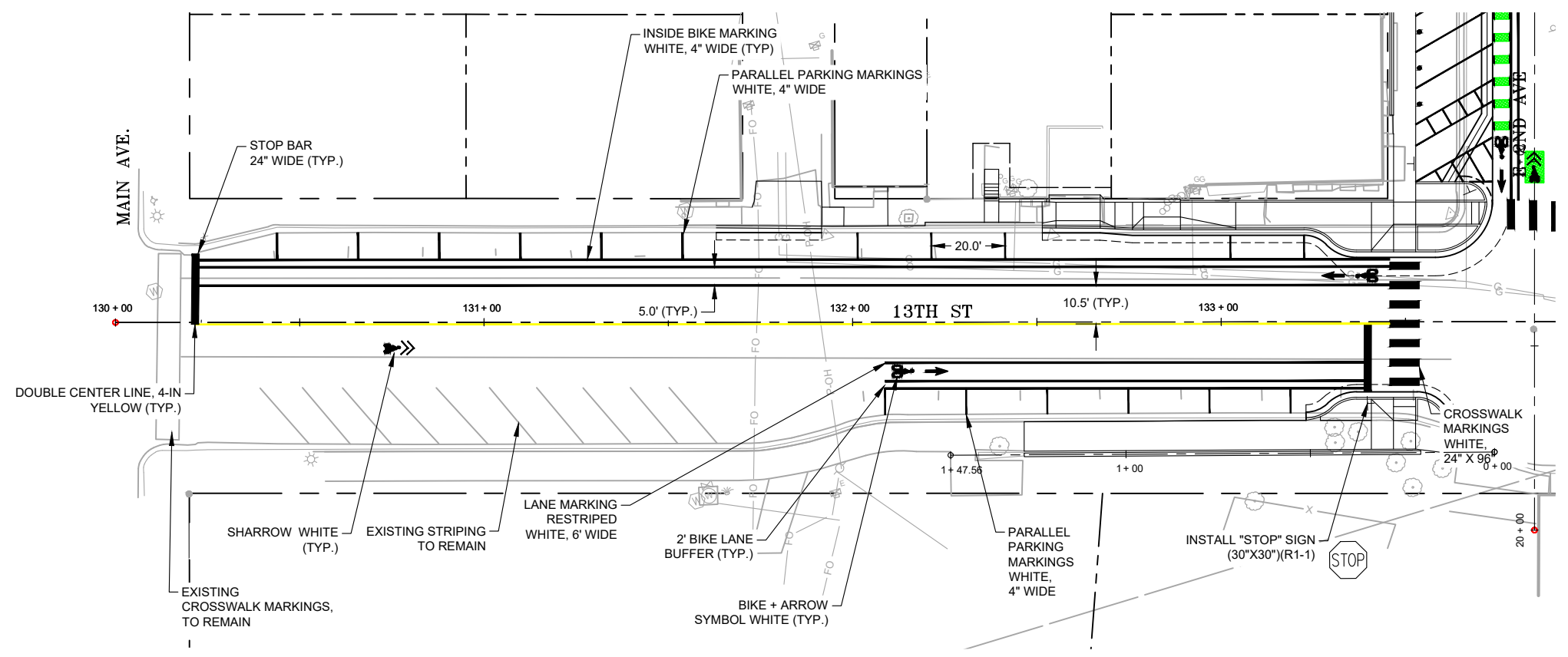
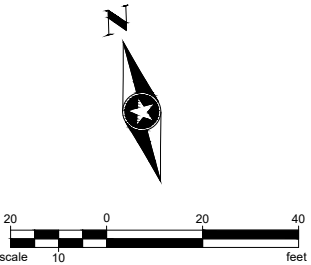
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SEH PROJECT NO. 161088		36
DATE ISSUED 3/7/2025	36 OF 58	



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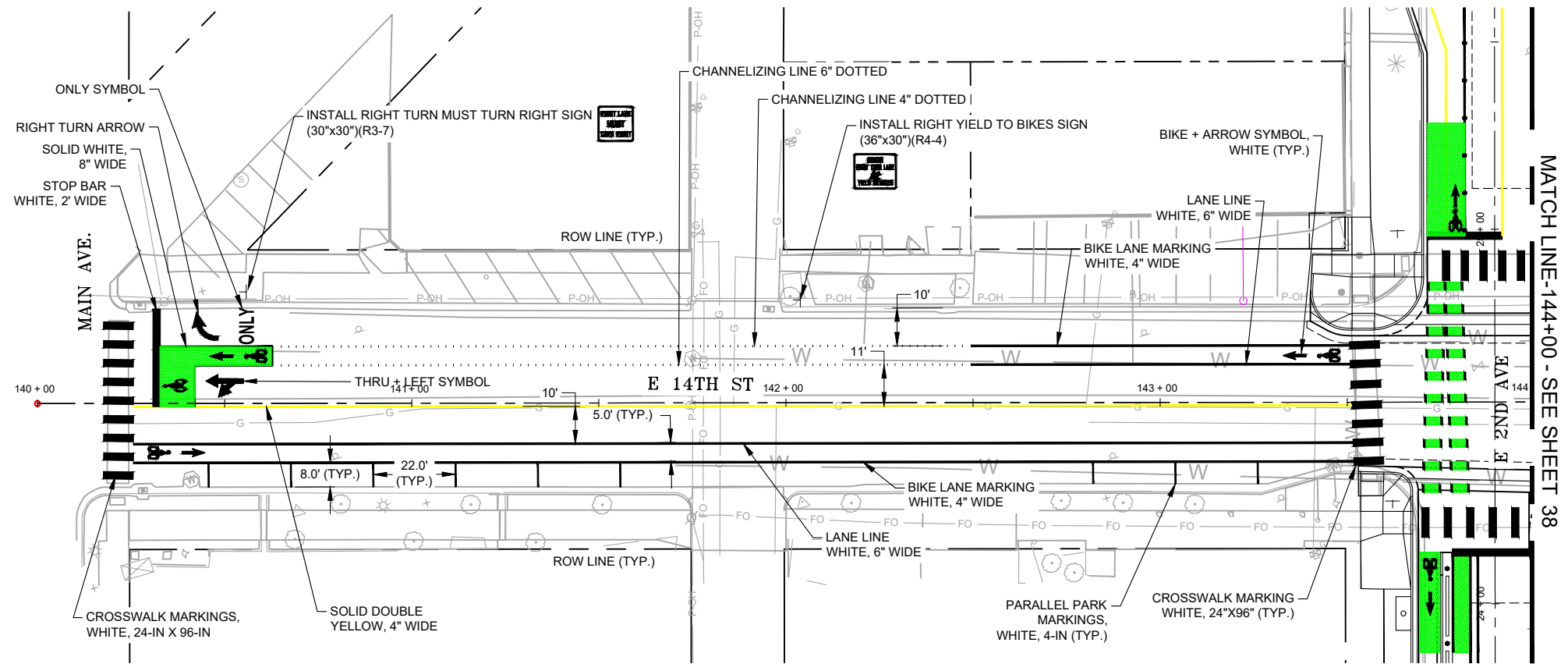
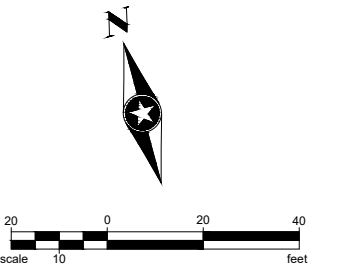
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SIGNING & STRIPING 13TH
MAIN AVE TO 2ND AVE

SEH PROJECT NO. 161088
DATE ISSUED 3/7/2025

SHEET NO.
37



MATCH LINE-144+00 - SEE SHEET 38

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NO.	REVISIONS	DATE	BY
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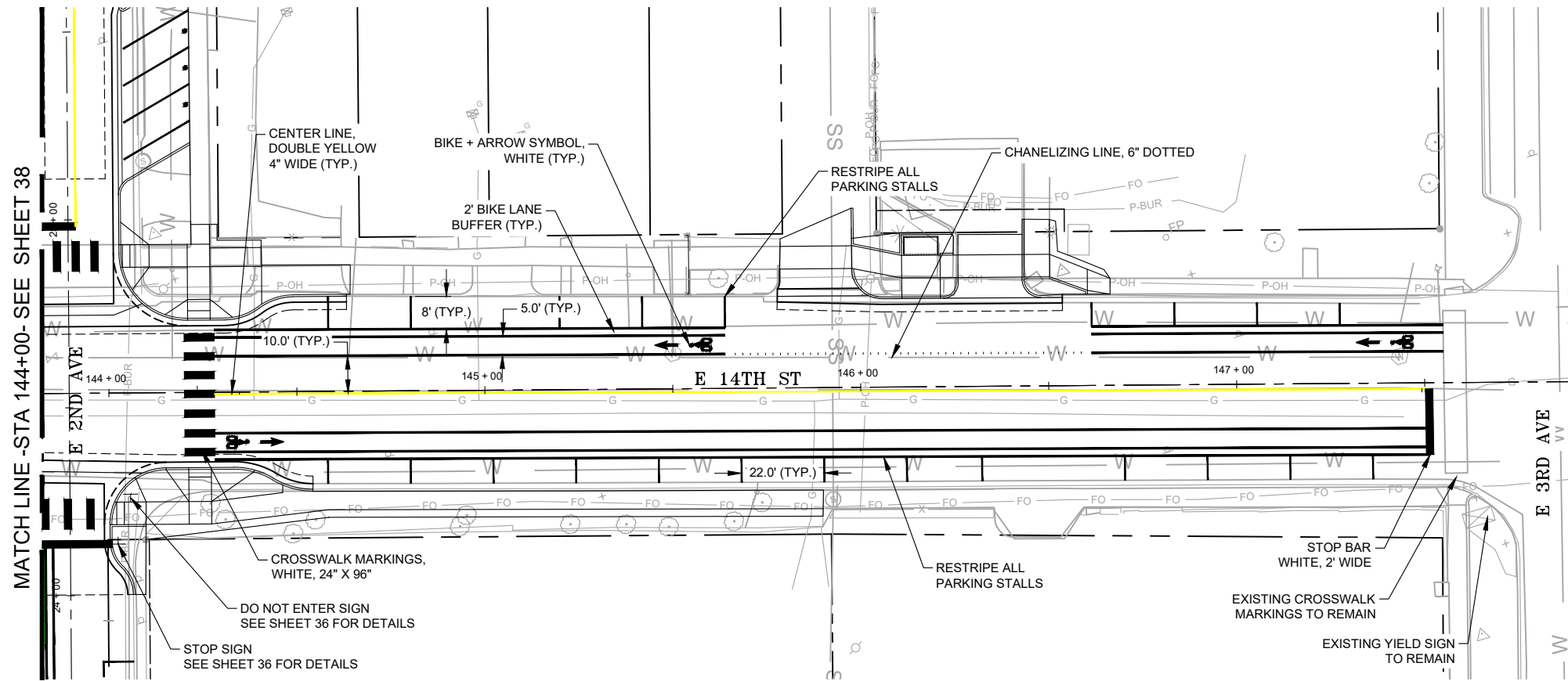
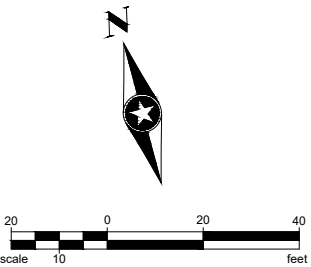
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MAIN AVE TO 2ND AVE

SEH PROJECT NO. 161088
DATE ISSUED 3/7/2025

SHEET NO.
38
38 OF 58



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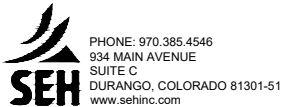
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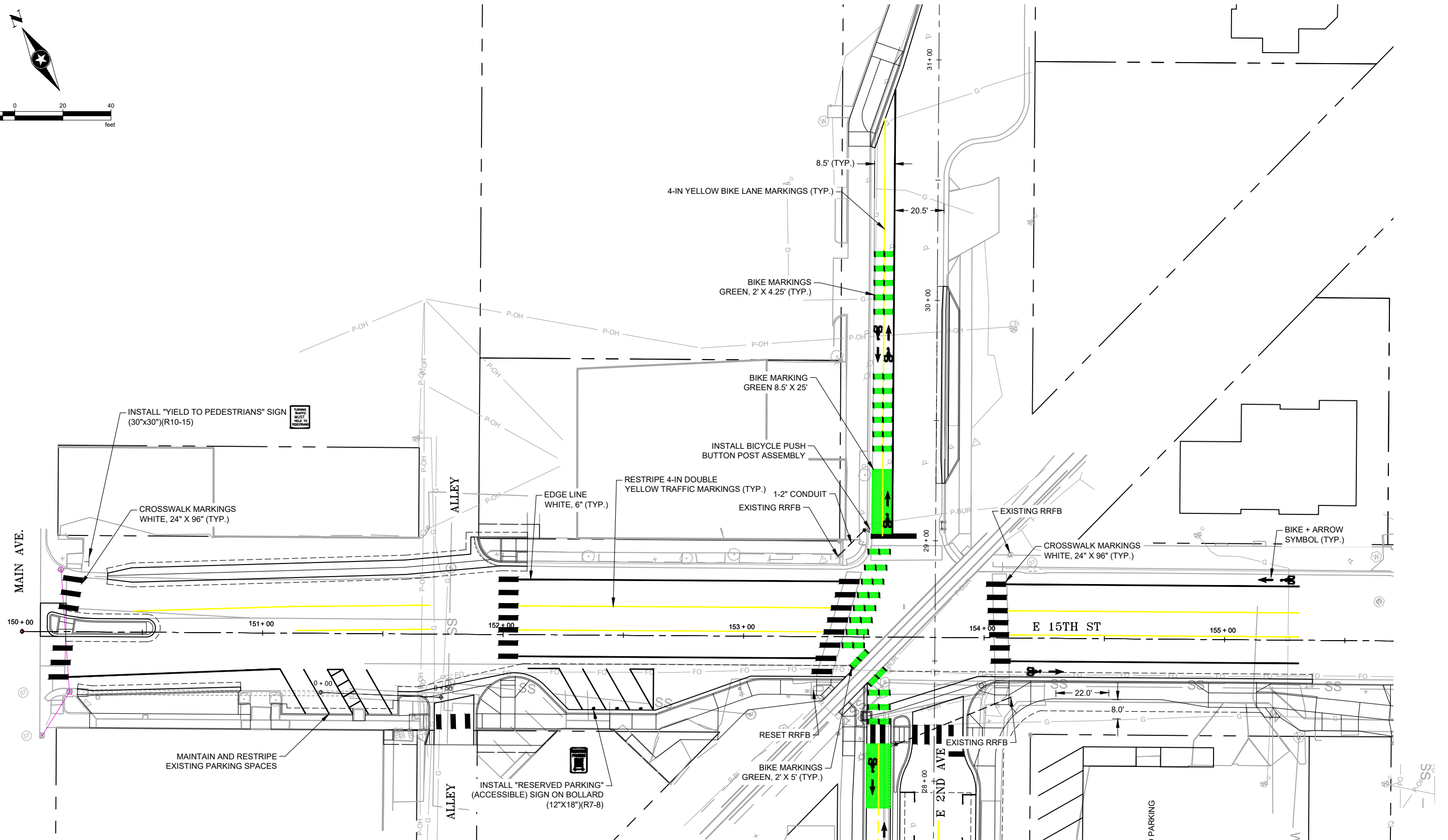
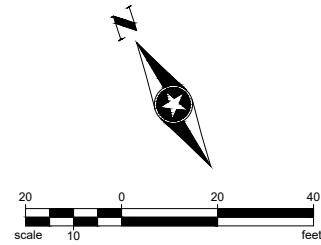


MIDTOWN SAFETY &
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2ND AVE TO 3RD AVE

SEH PROJECT NO. 161088
DATE ISSUED 3/7/2025

SHEET NO.
39
39 OF 58



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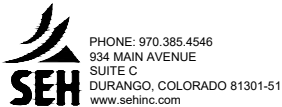
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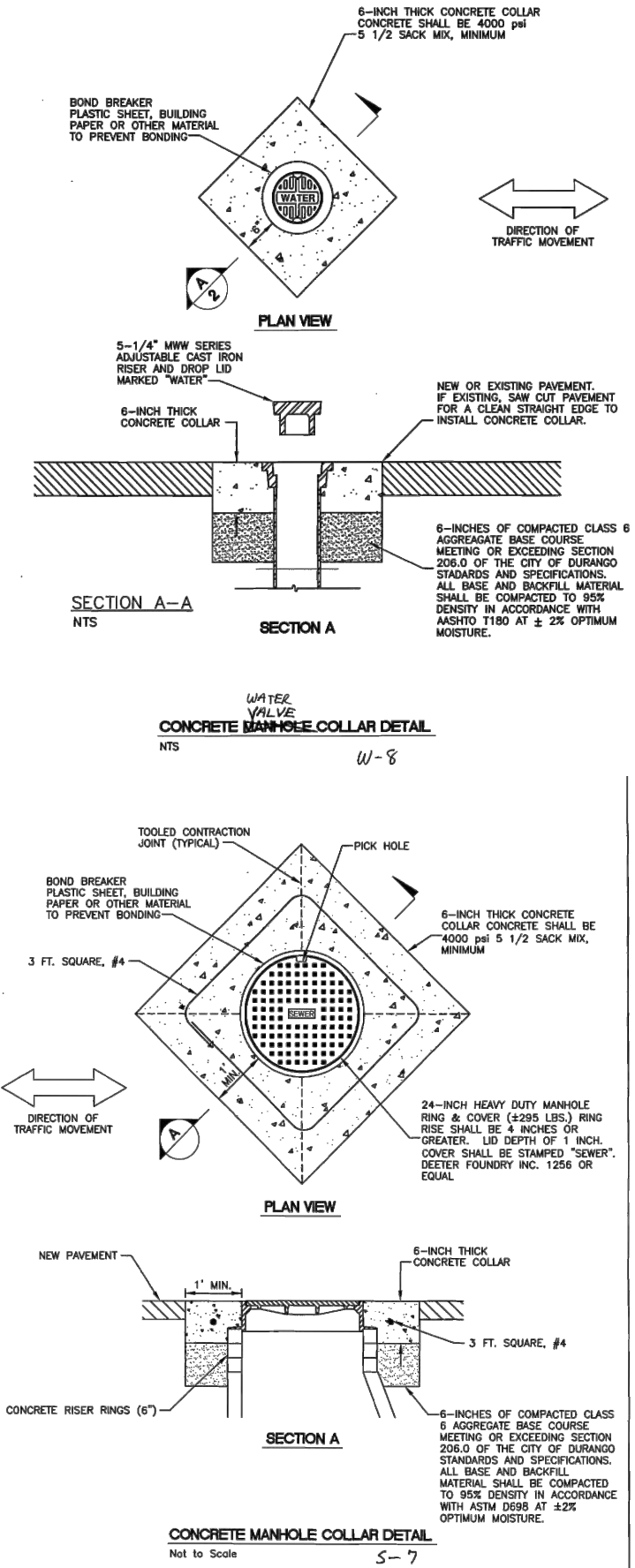
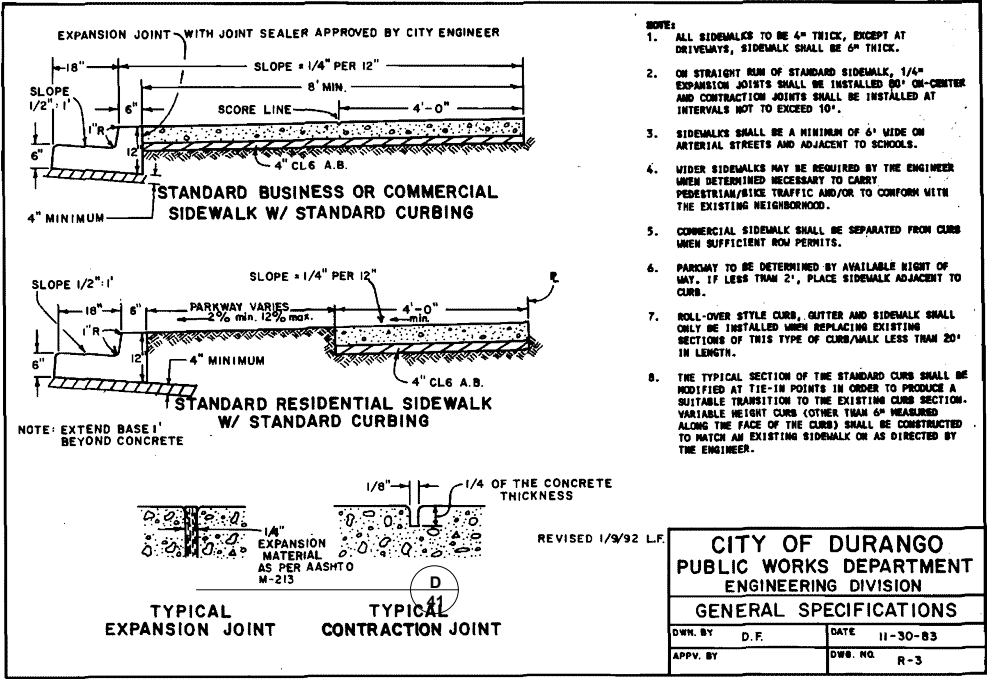
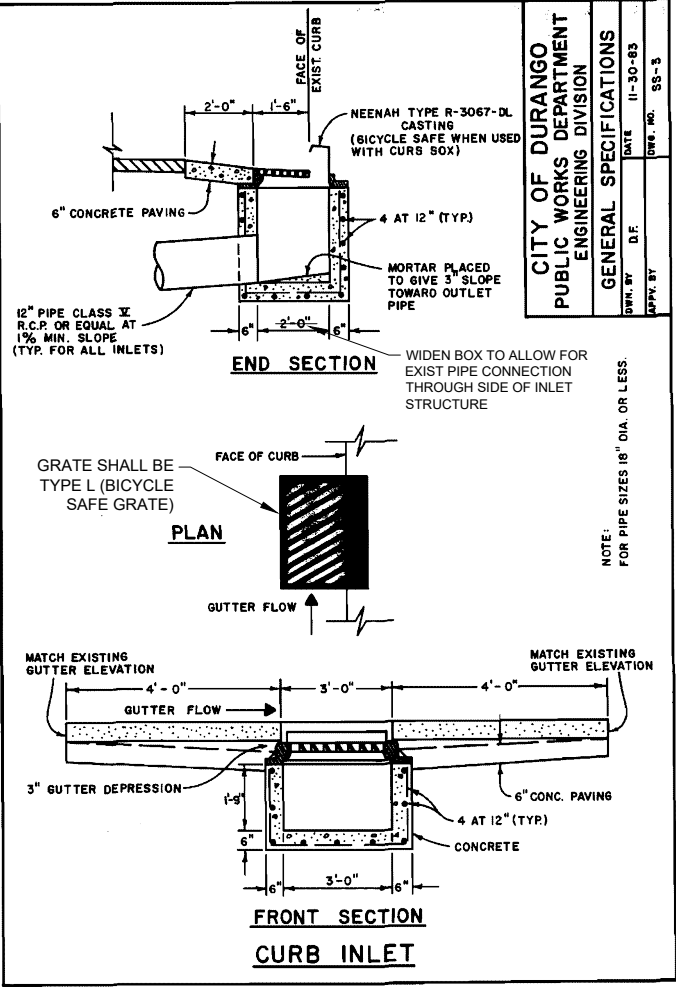
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SIGNING & STRIPING 15TH
MAIN AVE TO 2ND AVE

SEH PROJECT NO. 161088
DATE ISSUED 3/7/2025

SHEET NO.
40

40 OF 58



4-IN X 8-IN HERRINGBONE PATTERN TO BE STAMPED INTO CONCRETE AT 45° FROM DIRECTION OF TRAVEL. CONCRETE COLORED WITH MESA BLUFF, TAN OR ENGINEER APPROVED EQUAL.

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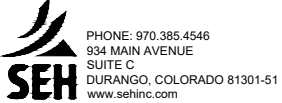
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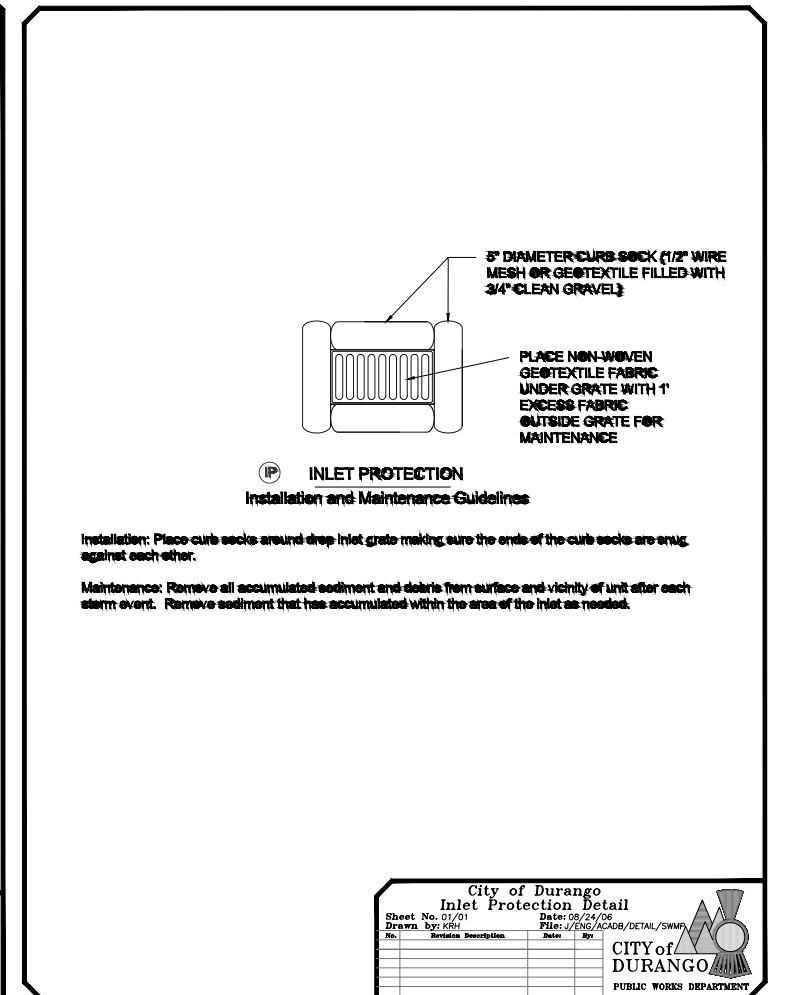
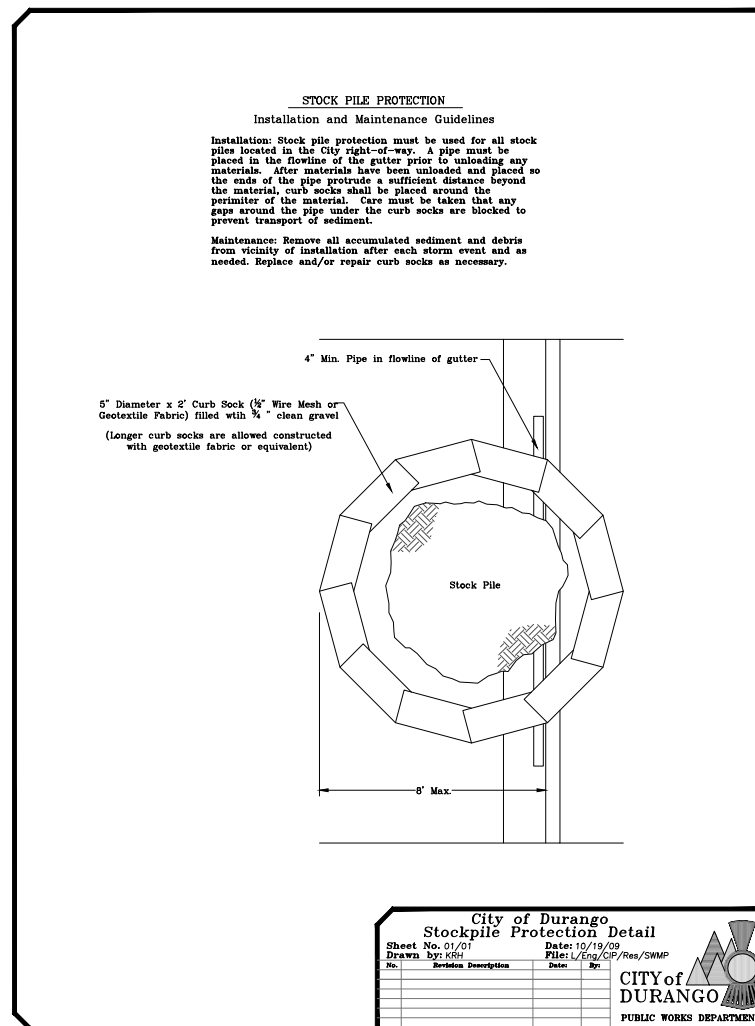
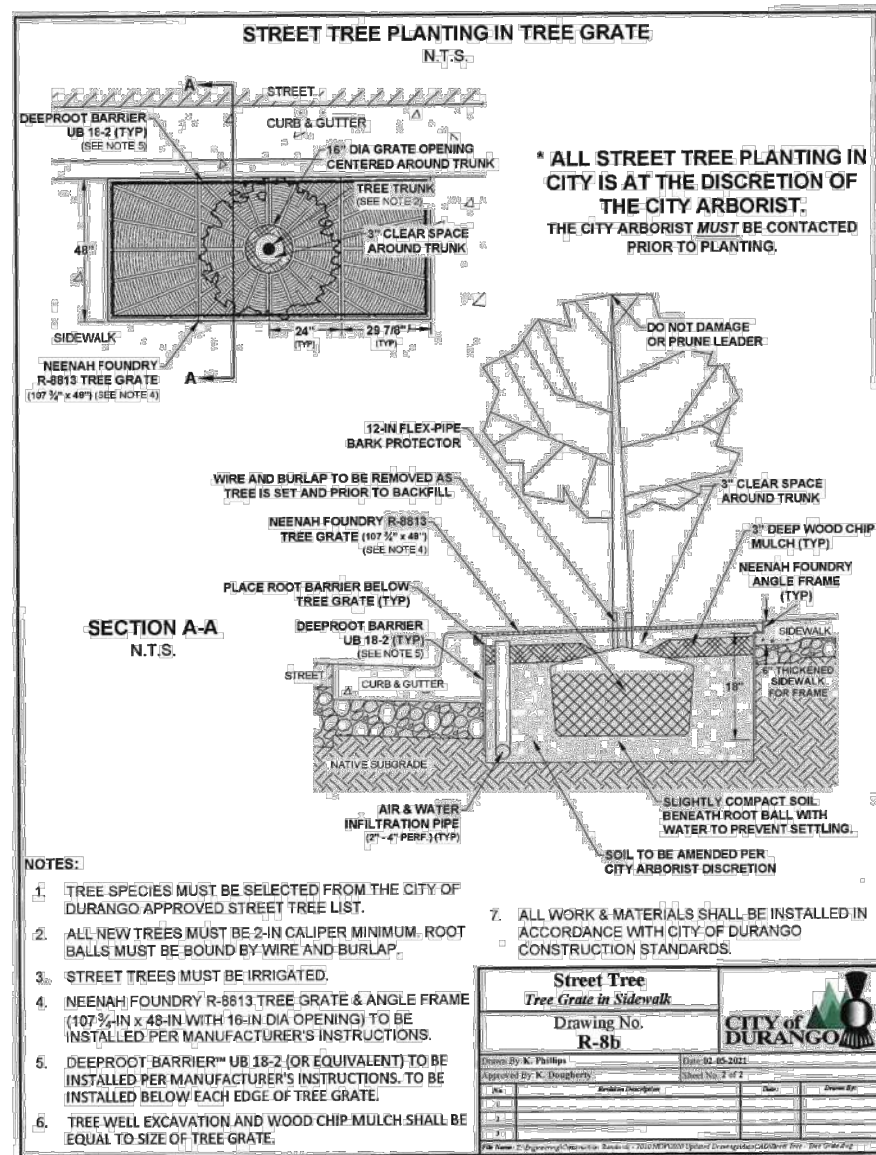
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MIDTOWN SAFETY & CONNECTIVITY PROJECT

TYPICAL DETAILS 1

SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	SHEET NO. 41 OF 58
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NO.	REVISIONS	DATE	BY	COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING: 811	DESIGNED <u>JBN</u>	DATE <u>3/7/2025</u>	 CITY OF DURANGO PUBLIC WORKS 105 S. CAMINO DEL RIO DURANGO, CO 80131  PHONE: 970.385.4546 934 MAIN AVENUE SUITE C DURANGO, COLORADO 81301-51 www.sehinc.com	MIDTOWN SAFETY & CONNECTIVITY PROJECT	TYPICAL DETAILS 2		SHEET NO.		
1						SEH PROJECT NO. 161088					DATE ISSUED 3/7/2025	42	
2													42 OF 58
3													
4													
5													

STORMWATER MANAGEMENT PLAN (SWMP) TEMPLATE 1 ACRE OR MORE ACRES OF DISTURBANCE (6/20/2024)

1. Site Description

The Contractor shall comply with all CDOT contractual requirements, and all requirements associated with the CDPS-SCP on this project. The SWMP Administrator for Construction shall update the SWMP to reflect current project site conditions.

A. Project Site Location:

Location or address of construction office: TBD
The project area encompasses the following streets in the City of Durango, Colorado (La Plata County):
-East 2nd Avenue, from 13th Street to East 15th Street
-East 3rd Avenue, from East 14th Street to East 15th Street
-13th Street, from Main Street to East 2nd Avenue
-East 14th Street and East 15th Street, both from Main Street to East 3rd Avenue.

B. Project Site Description:

This project includes the reconstruction of sidewalk, curbs and curb ramps using Public Right-of-Way Accessibility Guides (PROWAG Standards), lane reduction from a two-way lane to one-way southbound lane on East 2nd Avenue from 13th Street to East 15th Street, and lane reduction from a two-way lane to a one-way westbound lane from East 2nd Avenue to Main Street. This project also involves the improvement of the transit stop on East 14th Street and an addition of retaining wall and sidewalks on the south side of 13th Street.

This project also includes clearing and grubbing, removals, drainage improvements, traffic control, construction surveying, utility coordination, and striping.

C. Proposed Schedule for Sequence for Major Construction Activities:

- Stabilize all areas that are not paved or landscaped through establishment of vegetation cover.
1. Erosion Control Measures
 2. Clearing and Grubbing
 3. Structure Removals
 4. Structure Construction
 5. Roadway/Concrete Removals
 6. Concrete Construction
 7. Roadway Construction
 8. Final Striping
 9. Final Stabilization

D. Acres of Disturbance:

1. Total area of construction site (LOC (PERMITTED AREA)): 4.20 acres
2. Total area of proposed disturbance (LDA): 2.00 acres
3. Total area of seeding: 0.15 acres
4. Total area of pre-project impervious surface: 14,624 sq. ft.
5. Total area of final impervious surface: 20,472 sq. ft.

E. Existing Soil Data:

Soil Classification = Cobbly Loam and Loam; Wind Erodibility Group = 6; Wind Erodibility Index = 48 tons per acre per year. RUSLE2 K factor ranges from 0.28 to 0.32 (moderate erodibility).
Data Source(s): NRCS Web Soil Survey

F. Existing Vegetation, Including Percent of Vegetative Cover:

During design, the SWMP Administrator for Design in consultation with the Engineer will determine if the SWMP Administrator for Design or the SWMP Administrator for Construction will conduct the Vegetation Transects. If the site is disturbed, an Adequate Reference Site(s) may be utilized, refer to the CDPS-SCP. Vegetation Transect instruction is located on CDOT Landscape Architecture website.
<https://www.codot.gov/programs/environmental/landscape-architecture/construction-specifications-details-tools-1/207-and-212-psp-required-swmp-development-tools/vegetative-transect-procedure.pdf>

Pre-Construction Date of survey: _____ Percent Existing Vegetative Cover: _____
Description of existing vegetation:
Method for determining percent vegetative cover:
Include a map or table showing transect locations, photos documenting pre-Construction vegetative cover, and methodology used to determine existing vegetative cover to SWMP Tab 17:

Post-Construction Date of survey: _____ Percent Vegetative Cover: _____

Description of vegetation:
The method used to determine pre-construction percent cover shall be used to determine post construction percent cover.
Include map or table showing transect locations, photos documenting post-Construction vegetative cover, and methodology used to determine existing vegetative cover to SWMP Tab 17:

G. Potential Pollutants Sources:

Refer to Potential Pollutant Sources in SWMP Section 4A. The SWMP Administrator for Construction shall prepare a list of all potential pollutants and their locations in accordance with subsection 107.25.

H. Drainage Patterns and Receiving Water(s):

1. Description of drainage patterns from the Site:
Drainage from the site generally flows from east to west by roadside curbs and City-owned storm sewers to the Animas River.
2. Names of immediate and ultimate receiving water(s) on site:
Animas River.
Does the on-site receiving water(s) have 303d impaired designation: Animas River.
3. Description of all stream crossings located within the Limits of Construction:
No steam crossings within Limits of Construction.

I. Allowable Non-Stormwater Discharges:

Discharge Description	Site Map #	Method Statement (Location)
Uncontaminated Springs	N/A	
Concrete and Masonry Washout Water (in-ground washout structure)#	N/A	
Landscape Irrigation Return Flows	N/A	
Discharges from Diversions of State Waters	N/A	
Emergency Fire Fighting	N/A	
Discharges to the ground of water used to wash vehicles, equipment, and external buildings	N/A	

#Concrete and masonry washout water associated with the washing of concrete and masonry tools and concrete mixer chutes can be discharged to the ground if site is managed accordingly to prevent the water from leaving the site as surface runoff or reaching receiving waters. Soaps and solvents shall not be added to concrete and masonry washout water.

J. Diversion Criteria:

1. Is a diversion planned for the Site? _____ No _____.
2. If yes, complete information below:
 - a. What is the 2-year peak flow for the waterway being diverted (cubic feet per second)?
 - b. What are the monthly averages if available? (provide averages for Jan-Dec if available)
 - c. What is the upstream contributing drainage area and imperviousness?
 - d. A method statement must be prepared by the Contractor and approved by CDOT for each diversion. Diversion structures must minimize soil transport and erosion within the entire diversion, minimize erosion during discharge, and minimize run-on into the diversion and meet the conditions in the SCP.
 - e. If the conditions in the SCP cannot be met and an alternative is required, CDOT must approve the alternative and then it must be submitted and approved by CDPHE's Water Quality Control Division prior to implementation.

2. Site Map Components:

Pre-construction

A. Project Construction Potential Site Boundaries:

See Erosion Control Plans.

B. Flow Arrows that Depict Stormwater Flow Directions On-Site, Run-On and Runoff Direction:

See Erosion Control Plans.

C. All Areas of Ground Surface Disturbance:

See Erosion Control Plans.

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1						43	43 OF 58							
2						DRAWN <u>JBN</u>					DATE <u>3/7/2025</u>	SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	
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- D. Areas of Cut and Fill:
See Erosion Control Plans.
- E. Areas Used for Storing and Stockpiling of Materials, Staging Areas (field trailer, fueling, etc.) and Locations of All Waste Storage and Batch Plants Including Masonry Mixing Stations:
See Erosion Control Plans.
- F. Location of All Structural Control Measures Identified in the SWMP:
See Erosion Control Plans.
- G. Location of Non-Structural Control Measures as Applicable in the SWMP:
See Erosion Control Plans.
- H. Springs, Streams, Wetlands, Diversions, And Other State Waters Within or Bordering The Site, Including Areas That Require Pre-Existing Vegetation Be Maintained Within 50 Feet Of A Receiving Water:
See Erosion Control Plans.
- I. Locations of All Stream Crossing Located Within the Limits of Construction:
Not Applicable.
- J. Protection of Trees, Shrubs, Sensitive Habitat, and Cultural Resources:
See Erosion Control Plans.
- K. Locations of Pumped Stormwater Including Intake and Discharge Points and Locations of Dewatering Activities
Not Applicable.

3. Qualified Stormwater Managers:

- A. SWMP Administrator for Design:
CDOT Certified Individual responsible for developing SWMP Plan Sheets and SWMP Site Maps during the design phase.

Name/Title	Contact Information [phone & email]	Certification #
Katie Holloway Engineer	303-586-5814 kholloway@sehinc.com	A34F8036

- B. SWMP Administrator for Construction: (As defined in Section 208) The Contractor shall designate a SWMP Administrator for Construction upon accepting co-permittee of the permit. The SWMP Administrator for Construction shall become the operator for the SWMP and assume responsibility for all design changes to the SWMP implementation and maintenance in accordance to 208.03, the SWMP shall remain the property of CDOT. The SWMP Administrator for Construction shall be responsible for implementing, maintaining, and revising SWMP, including the title and contact information. The activities and responsibilities of the SWMP Administrator for Construction shall address all aspects of the project's SWMP. (Update the information below for each new SWMP Administrator for Construction) (A copy of current TECS Certification must be included in the SWMP.)

Name/Title	Contact Information (phone & email)	Certification #	Certification Expiration Date	Start Date

- C. Erosion Control Inspector: (As defined in Section 208) The Contractor shall designate an Erosion Control Inspector. The Erosion Control Inspector shall complete duties in accordance with subsection 208.03(c) (Copy of current TECS Certification must also be included in the SWMP.)

Name/Title	Contact Information (phone & email)	TECS Certification #	Certification Expiration Date	Start Date

- D. Permanent Stabilization Subject Matter Expert: This qualified individual will be either a Regional Environmental Staff member, or an Independent Contractor Controller (Independent Assurance Program). This expert is a project team leader responsible for ensuring project adherence to requirements of the 207 and 212 Project Special Provisions as follows and will be available for questions regarding permanent stabilization requirements.

1. Review the Topsoil Management Plan and the Permanent Stabilization Site Maps.
2. Attend the Environmental Pre-Construction Conference.
3. Coordinate the Site Pre-Vegetation Conference.
4. Review and recommend approval of products.
5. Attend the Partial Landscape Completion Walkthrough.
6. Attend the Final Landscape Completion Walkthrough.

Name/Title	Contact Information [phone & email]

4. Stormwater Management Controls for Initial Construction Activities Associated with Water Quality

The Contractor Shall Perform the Following:

- A. Potential Pollutant Sources:
Evaluate, identify, locate, and describe all potential sources of pollutants at the site in accordance with subsection 107.25, CDPS-SCP, and place in the SWMP. All control measures related to potential pollutants shall be shown on the SWMP Site Map by the Contractor's SWMP Administrator for Construction.
- B. Offsite Drainage (Run on Water):
Describe and record control measures on the SWMP Site Map that have been implemented to address off site run-on water in accordance with subsection 208.03.
- C. Vehicle Tracking Control:
Control measures shall be implemented in accordance with subsection 208.04.
- D. Perimeter Control:
 1. Temporary control measures shall be installed prior to commencing construction activities associated with water quality in accordance with subsection 208.04.
 2. Perimeter control may consist of berms, silt fence, erosion logs (sediment control logs), existing landforms, or other control measures as approved.

5. During Construction

Responsibilities of the SWMP Administrator for Construction: Considered a "living document", the SWMP is continuously reviewed and modified throughout the construction phases. During construction, the SWMP Administrator for Construction shall have full responsibility to maintain and update the SWMP in accordance with subsection 208.03(c).

During construction, indicate how items that were not addressed during design are being handled in construction. If items are covered in other sections of the SWMP, indicate below what section the discussion takes place.

- A. Materials Handling and Spill Prevention and Response Plan: Prior to commencing Construction Activities Associated with Water Quality, the Contractor shall submit a Spill Response Plan. Materials handling and Spill Response Plan shall be in accordance with subsection 208.06.
- B. Other CDPS Permits or Guidance Documents: List applicable CDPS permits or guidance documents associated with the permitted site and activities.
- C. Stockpile Management: Shall be done in accordance with subsections 107.25 and 208.07.
- D. Concrete Washout: Concrete and masonry washout water or waste from field laboratories and paving equipment shall be contained in accordance with subsection 208.05.

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1				DRAWN <u>JBN</u>		DATE <u>3/7/2025</u>	44								
2				CHECKED <u>SW</u>		DATE <u>3/7/2025</u>	44 OF 58								
3															
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										SEH PROJECT NO. 161088		DATE ISSUED 3/7/2025			

- E. Saw Cutting: Shall be done in accordance with subsections 107.25, 208.02, 208.04, 208.05.
- F. Street Sweeping: Shall be done in accordance with subsection 208.04.

6. **Inspections**

- A. Form 1176 Inspections shall be in accordance with subsection 208.03(c).
- B. Permanent Stabilization Inspections shall be in accordance with subsections 208.04(e)4 and 208.10.

7. **Control Measure Maintenance**

At any time, regardless of the inspection schedule, CDOT or the Contractor shall identify control measures requiring corrective action. Identified noncompliance shall be corrected immediately, but no later than 2 calendar days from the time of observation. Corrective actions shall be in accordance with subsection 208.04(f).

8. **Record Keeping**

Records shall be kept in accordance with subsection 208.03(d).

9. **Temporary, Permanent Stabilization and Long-Term Stormwater Management**

The Contractor shall comply with all temporary stabilization and permanent stabilization requirements in accordance with subsection 208.04(e).

A. Seeding Plan:

The following seed mix(es) and rates are for drill seeding method as shown on the Permanent Stabilization Site Maps shall be used:

COMMON NAME	BOTANICAL NAME	LBS. PLS PER ACRE
'Rimrock' Indian Ricegrass	Achnatherum hymenoides 'Rimrock'	6.0
'Hycres' Crested Wheatgrass	Agropyron desertorum 'Hycres'	8.0
'Lovington' Blue Gramma	Bouteloua gracilis 'Lovington'	6.0
'Garnet' Mountain Brome	Bromus marginatus 'Garnet'	6.0
Thickspike Wheatgrass	Elymus lanceolatus	4.0
'San Luis' Slender Wheatgrass	Elymus trachycaulus	6.0
Arizona Fescue	Festuca arizonica 'Redondo'	5.0
'Arriba' Western Wheatgrass	Pascopyrum smithii ' Arriba'	5.0
'Sherman' Big Bluegrass	Poa secunda 'Sherman'	1.0
Ryegrass, Wild Russian Bozoisky	Psathyrostachys juncea	3.0
Comflower	Centaurea cyanus	0.5
Hairy Golden Aster	Chrysopsis villosa	0.5
Perennial Gaillardia	Gaillardia pulchella	0.7
Purple Coneflower	Echinacea purpurea	0.5
Siberian Wallflower	Erysimum hieraciifolium	0.3
California Poppy	Eschscholzia caespitosa	0.3
Blue Flax	Linum lewisii	0.6
Silvery Lupine	Lupinus argenteus	1.0
Firecracker Penstemon	Penstemon eatonii	0.2
Rocky Mountain Penstemon	Penstemon strictus	3.0
Prairie Yellow Coneflower	Ratibida columnifera	0.5
'Delar' Small Burnet	Sanquisorba minor	1.0
Total		59.0 lbs

B. Seeding Application Method:

The following seeding methods shall be used for all areas shown on the Permanent Stabilization Site Maps. Soil compaction shall be minimized for areas where permanent stabilization will be achieved through vegetative cover.

Pay Item	Seeding Method (subsection 212.05)	Acre
212-00708	Seeding (Native) Broadcast	0.15
Total		0.15

C. Soil Stabilization Methods:

Minimum soil stabilization methods (attached mulch) for all disturbances to receive seeding.

1. Apply a minimum of 2 tons/ac certified weed free hay or 2 ½ tons/ac of certified weed free straw and mechanically crimp into the soil in combination with natural mulch tackifier in accordance with Section 213. Prior to winter shutdown or the summer seeding window closure: Uncompleted slopes shall be mulched with 2 tons of mulching (weed free) per acre, mechanically crimped into the topsoil in combination with an organic mulch tackifier in accordance with Sections 208 and 213.
2. Apply Spray-on Mulch Blanket hydraulically in accordance with Section 213.
3. Apply Bonded Fiber Matrix hydraulically in accordance with Section 213.
4. Install Soil Retention Blankets in accordance with Standard Plan M-216-1 and Section 216.

D. Special Requirements:

1. Soil amendments, seedbed preparation, and permanent stabilization mulching shall be accomplished within four working days of placing the topsoil on the de-compacted civil subgrades. If placed topsoil is not mulched with permanent stabilization mulch within four working days, the Contractor shall complete temporary stabilization methods in accordance with subsection 208.04(e) at no additional cost to the Department.
2. Complete permanent stabilization mulching within 24 hours of hydraulic application of native seed.
3. The Contractor shall submit a proposed Permanent Stabilization Phasing Plan to the Engineer for approval showing how implementation of SWMP Permanent Stabilization Plans will minimize damage to seeded areas.

E. Soil Amendment Requirements: Minimum amendment material requirements for all disturbances to receive seeding.

0.15 Total Acres of Seeding (Native) Broadcast (Pay Item 212-00708)

Pay Item	Description	Amount/ Acre	Units	Total For This Method
212-00700	Organic Fertilizer	300	Pounds	45
212-00701	Compost (Mechanically Applied)	65	CY	10
212-00704	Mycorrhizae	40	Pounds	9

F. Permanent Stabilization Application Under Structures:

Under structures, shade patterns should be considered and the use of Median Cover Material (Stone) or other stabilized options with an approved Project Special Provision should be used. See SWMP Site Map for locations.

G. Reseeding Operations/Corrective Stabilization:

Prior to stormwater construction work partial acceptance.

1. All seeded areas shall be reviewed by the SWMP Administrator for Construction and or Erosion Control Inspector for bare soils caused by surface or wind erosion. Bare areas caused by surface or gully erosion, blown away mulch, etc. shall be re-graded, seeded, and have the designated mulching applied as necessary, at no additional cost to the project.
2. The Contractor shall maintain seeding/mulch/tackifier/blanket/TRM, mow to control weeds or apply herbicide to control weeds in the seeded areas, at no additional cost to the project.

H. Location and Description of Planned Permanent Control Measures:

Is Permanent Water Quality Required. No .

10. **Prior to Project Final Acceptance**

- A. When directed by the Engineer, removal and disposal of temporary control measures shall be included in the cost of work.
- B. At the end of the project, all ditch checks shall consist of either temporary erosion logs (sediment control logs) (or equivalent) or permanent riprap.
- C. All storm drains shall be cleaned prior to the Final Acceptance of the project. If required, include work in 202-04002 Clean Culvert.
- D. Refer to subsection 208.10 for Items to be completed prior to requesting partial acceptance of water quality work.

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45															
1						DRAWN <u>JBN</u>	DATE <u>3/7/2025</u>					SEH PROJECT NO.	DATE ISSUED	45 OF 58	
2												161088	3/7/2025		
3						CHECKED <u>SW</u>	DATE <u>3/7/2025</u>								
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Control Measure Matrixes During Construction:

- Structural Control Measures** that may be potentially used on the project for erosion and sediment control; practices may include, but are not limited to the following:

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1				DRAWN <u>JBN</u>		DATE <u>3/7/2025</u>	46									
2						CHECKED <u>SW</u>	DATE <u>3/7/2025</u>				SEH PROJECT NO. 161088		DATE ISSUED 3/7/2025		46 OF 58	
3																
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Application, Control measure	Narrative	M- 208 Standard or "X" For Non- Standard	In Use on Site	Initial Activities	Interim Activities	Permanent Stabilization
Outlet Protection Riprap, or approved other	Material placed as an energy dissipater to prevent erosion at outlet structure.	M-601-12				
Concrete Washout In-ground or fabricated	Construction control, used for waste management of concrete/masonry and concrete/masonry equipment cleaning. Place prior to the start of concrete and masonry activities.	M-208			X	
Vehicle Tracking Pad	Vehicle tracking pads shall be used at all vehicle and equipment exit points from the site to prevent sediment exiting the LOC. Place prior to the start of construction activities associated with water quality.	M-208		B	X	
Engineered Sediment Basin	Constructed early in the project, prior to storm sewer/ditches and in accordance with 208.05(q) to capture storm flow. Outlet structure and/or outfall shall be modified for temporary sediment control using an approved non-standard detail. Outlets that withdraw water from or near the surface shall be installed when discharging from basins and impoundments, unless infeasible					
Dewatering (Contractor is responsible for obtaining a permit from Colorado Department of Health and Environment.)	Shall be done in such a manner to prevent potential pollutants from entering State waters.					
Temporary Stream Crossing	Constructed over stream or drainage to prevent discharge of pollutants from construction equipment into water.					
Clean Water Diversion	Placed to divert clean surface or groundwater around the disturbance area to prevent it from mixing with construction runoff.					
Other						

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1					DRAWN <u>JBN</u> DATE <u>3/7/2025</u>						47
2					CHECKED <u>SW</u> DATE <u>3/7/2025</u>						
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5									SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	47 OF 58

Erosion control devices are used to limit the amount of soil loss on site. Sediment control devices are designed to capture sediment on the project site. Construction controls are control measures related to construction access and staging. Control Measure locations are indicated on the SWMP Site Map.

Application, Control measure	Narrative	M- 208 Standard Or "X" for Non- Standard	In Use on Site	Initial Activities	Interim Activities	Permanent Stabilization
Vegetative Buffer Strip	Finishing component for filtering sediment-laden runoff from disturbance area. Area within CDOT ROW or temporary easement to be identified on SWMP prior to construction activities associated with water quality starting. Upgradient control measures must be installed immediately adjacent to vegetative buffers.			X	X	
Grading Applications (Landform)	Existing or created landforms may be used as a control measure if they prevent sediment from entering or leaving the disturbance area. If a landform directs flow of water to a concentrated outfall point, the outfall point shall be protected to prevent erosion. Area to be identified on SWMP prior to construction activities associated with water quality starting.	M-208		X	X	
Topsoil Management Stockpile/Salvage Stockpile	Prior to any site disturbance work commencing, existing topsoil shall be scraped to a depth six inches or as specified, and placed in stockpiles or windrows. Upon completion of final grading, topsoil shall be evenly distributed over embankment to a depth of six inches or as specified.	M-208			X	X
Surface Roughening / Grading Techniques	Daily stabilization of disturbance and to minimize wind erosion.				X	
Seeding (Temporary)	Temporary stabilization used for over wintering of disturbance or used to control erosion for areas scheduled for future construction.					
Bonded Fiber Matrix or Mulching (Hydraulic)	Not to be used in areas of concentrated flows, i.e. ditch lines. To be for either Temporary or Permanent Stabilization placed as a surface cover for erosion control. May be used as surface cover when work is temporarily halted and as approved by the Engineer for stockpiles.					
Straw or Hay Mulch/Mulch Tackifier	Temporary or Permanent Stabilization placed as a surface cover for erosion control and or seeding establishment. To be installed as Temporary Stabilization as a surface cover when work is temporarily halted and as approved by the Engineer					X
Spray-On Mulch Blanket (Not to be used in areas of concentrated flows, i.e. ditch lines.)	Temporary or Permanent Stabilization placed as a surface cover for erosion control and or seeding establishment. To be installed as temporary surface cover when work is temporarily halted and as approved by the Engineer					
Seeding Permanent (Native Perennial)	Permanent Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas.					X
Soil Retention Blanket (SRB)	Temporary or Permanent Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas.	M-216				
Turf Reinforcement Mat (TRM)	Permanent Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas. Placed in channels or on slopes for erosion control, channel liner and seeding establishment.	M-216				
Sweeping	Source control, used to remove sediment tracked onto paved surfaces and to prevent sediment from leaving the LOC. Sweep daily and at the end of the construction shift as needed. Kick brooms shall not be permitted.			X	X	X
Other						

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1					DRAWN <u>JBN</u>	DATE <u>3/7/2025</u>						48
2					CHECKED <u>SW</u>	DATE <u>3/7/2025</u>				SEH PROJECT NO.	DATE ISSUED	
3										161088	3/7/2025	48 OF 58
4												
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12. Tabulation of Stormwater Quantities

- A. Control Measure sediment removal and disposal shall be paid for as: 208 Removal and Disposal of Sediment (Equipment) and 208 Removal and Disposal of Sediment (Labor). All other control measure maintenance shall be included in the cost of the control measure.
- B. It is estimated that 15 hours of blading (140-250 horsepower), dozing (130-250 horsepower) and/or combination loader (80-125 horsepower) may be required for miscellaneous erosion control work as directed by the Engineer. Work shall be paid for as: 203 Combination Loader

PSP Spec.	Pay Item	Description	Pay Unit	Initial Const	Interim Const.	Permanent Stabilization	*Total Quantity
X	203-01594	Combination Loader	Hour	5	5	5	15
	207-00700	Topsoil (Onsite)	CY			117	117
	207-00704	Subgrade Soil Preparation	SY			704	704
	208-00002	Erosion Log Type 1 (12 Inch)	LF	639			639
	208-00035	Aggregate Bag	LF	117	36		153
	208-00046	Pre-fabricated Concrete Washout Structure (Type 1)	Each		2		2
	208-00051	Storm Drain Inlet Protection (Type I)	LF	13	5		18
	208-00054	Storm Drain Inlet Protection (Type II)	Each	8	3		11
	208-XXXXX	Storm Drain Inlet Protection (City of Durango)	LF	3	1		4
	208-00075	Pre-fabricated Vehicle Tracking Pad	Each	2	2		4
	208-00103	Removal and Disposal of Sediment (Labor)	Hour	4	4	4	12
	208-00105	Removal and Disposal of Sediment (Equipment)	Hour	4	4	4	12
	208-00106	Sweeping (Sediment Removal)	Hour		10	10	20
	208-00207	Erosion Control Management (ECM)	Day	10	10	10	30
	212-00700	Organic Fertilizer	Pounds			45	45
	212-00701	Compost (Mechanically Applied)-	CY			10	10
	212-00704	Mycorrhizae	Pounds			9	9
	212-00708	Seeding (Native) Broadcast	Acre			0.15	0.15
	213-00004	Mulching (Weed Free Straw)	Acre			0.15	0.15
	213-00061	Mulch Tackifier	LB			22	22
X	700-70380	Force Account Erosion Control	FA	0.33	0.33	0.33	1

*It is anticipated that additional control measures and control measure quantities not shown on the SWMP Site Maps shall be required on the project for unforeseen conditions and replacement of items that are beyond their useful service life, see subsections 208.03 and 208.04. **Quantities for all control measures shown above are estimated and have been increased for unforeseen conditions and normal control measure life expectancy.** Quantities shall be adjusted according to the conditions encountered in the field as directed and approved by the Engineer. Payment shall be for the actual work completed and material used.

**Pay Item 208-00071 is included for anticipated maintenance of vehicle tracking pads based on the service life of the control measure in the field. The use of the material shall be directed and approved by the Engineer.

13. Biological Impacts and Dewatering

- A. Environmental Impacts:
- 1. Wetland Impacts: No
 - 2. Stream Impacts: No
 - 3. Threatened and Endangered Species: No species are anticipated to be impacted by the project.
- B. Dewatering:
(Not covered under the CDPHE guidance document Low Risk Discharge Guidance Discharges of Uncontaminated Groundwater to Land):
https://drive.google.com/open?id=17ck1ZJojHSacJ_wxp2FfUr4rAxNgVWZv
- 1. Dewatering: Refer to other environmental permits in accordance with subsection 107.02 and the permits contained in Tab 16 of the SWMP.
 - 2. If groundwater does not meet water quality standards for receiving water a separate CDPS Dewatering Permit shall be obtained by the Contractor from CDPHE in accordance with subsections 107.02 and 107.25.

14. Notes

- 1. Mulch Tackifier is calculated at an application rate of 150 lbs per acre in accordance with Chapter 7 of the City of Durango Storm Drainage Criteria Manual.

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NOTES:

1.

CONCRETE WASHOUT STRUCTURE IS SHOWN FOR REFERENCE ONLY. LOCATION WILL BE AT THE DISCRETION OF THE CONTRACTOR, AND APPROVED BY THE ENGINEER. CONCRETE WASHOUT STRUCTURE SHALL BE PLACED AT A MINIMUM OF 50 FEET AWAY FROM ANY WATERWAY.

2.

VEHICLE TRACKING PAD IS SHOWN FOR REFERENCE ONLY. VEHICLE TRACKING PADS WILL BE PLACED AT THE DISCRETION OF THE CONTRACTOR AT ALL POINTS OF INGRESS AND EGRESS AT THE SITE. LOCATION OF VEHICLE TRACKING SHALL BE ADJUSTED DURING CONSTRUCTION IN COORDINATION WITH TRAFFIC PHASING PLAN TO MAINTAIN VEHICULAR TRAFFIC THROUGH THE SITE DURING CONSTRUCTION.

3.

EROSION LOGS SHALL BE USED ON FILL SLOPES. SILT FENCE CAN BE USED IN PLACE OF EROSION LOGS, AND SHALL BE APPROVED BY THE ENGINEER.

4.

LOCATION OF STAGING AREA WILL BE AT THE DISCRETION OF THE CONTRACTOR, AND APPROVED BY THE CITY ENGINEER. PERIMETER CONTROL SHALL BE INSTALLED AS NEEDED TO PREVENT SEDIMENT FROM ENTERING WATERWAYS.

LEGEND

SEEDING, MULCHING, MULCH TACKIFIER, & TOPSOIL

EROSION LOG (PERIMETER CONTROL)

EROSION LOG (CULVERT PROTECTION)

ANGLED AGGREGATE BAG

STORM DRAIN INLET PROTECTION (TYPE I)

STORM DRAIN INLET PROTECTION (TYPE II)

EROSION LOG FILTER (DROP INLET)

INLET PROTECTION (CITY OF DURANGO)

CONCRETE WASHOUT STRUCTURE

VEHICLE TRACKING PAD

LOC — LIMITS OF CONSTRUCTION

LDA — LIMITS OF DISTURBANCE

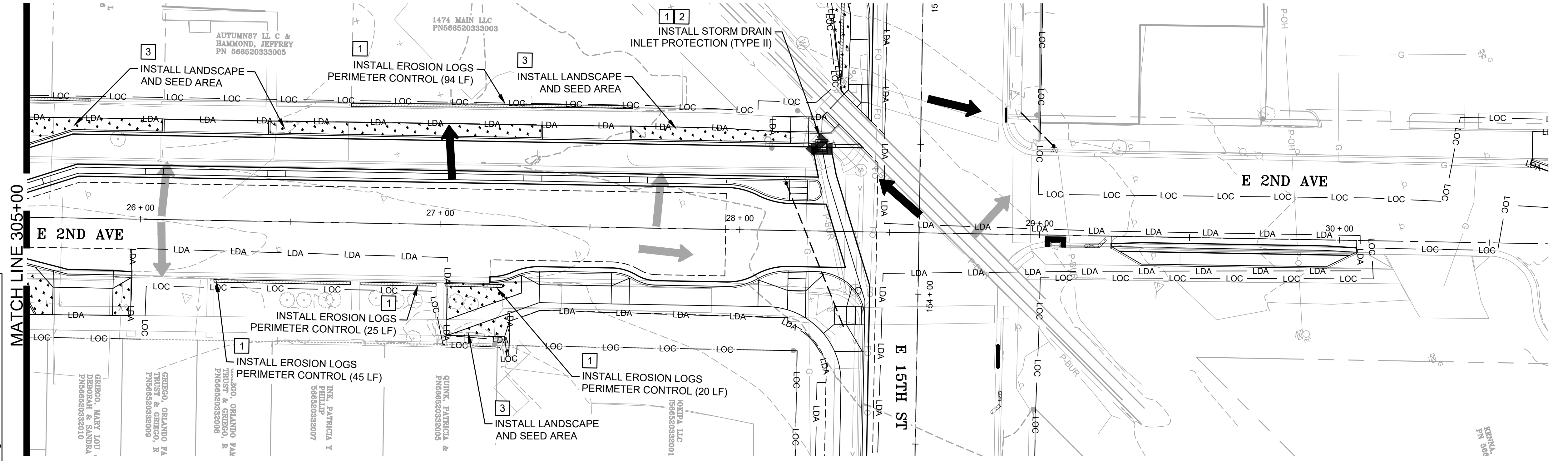
EXISTING FLOW DIRECTION

PROPOSED FLOW DIRECTION

INITIAL BMP TO BE INSTALLED PRIOR TO CONSTRUCTION

INTERIM BMP TO BE INSTALLED DURING CONSTRUCTION

FINAL BMP TO BE INSTALLED AFTER CONSTRUCTION



NO.	REVISIONS	DATE	BY
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811

DESIGNED	JBN	DATE	3/7/2025
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CHECKED	SW	DATE	3/7/2025

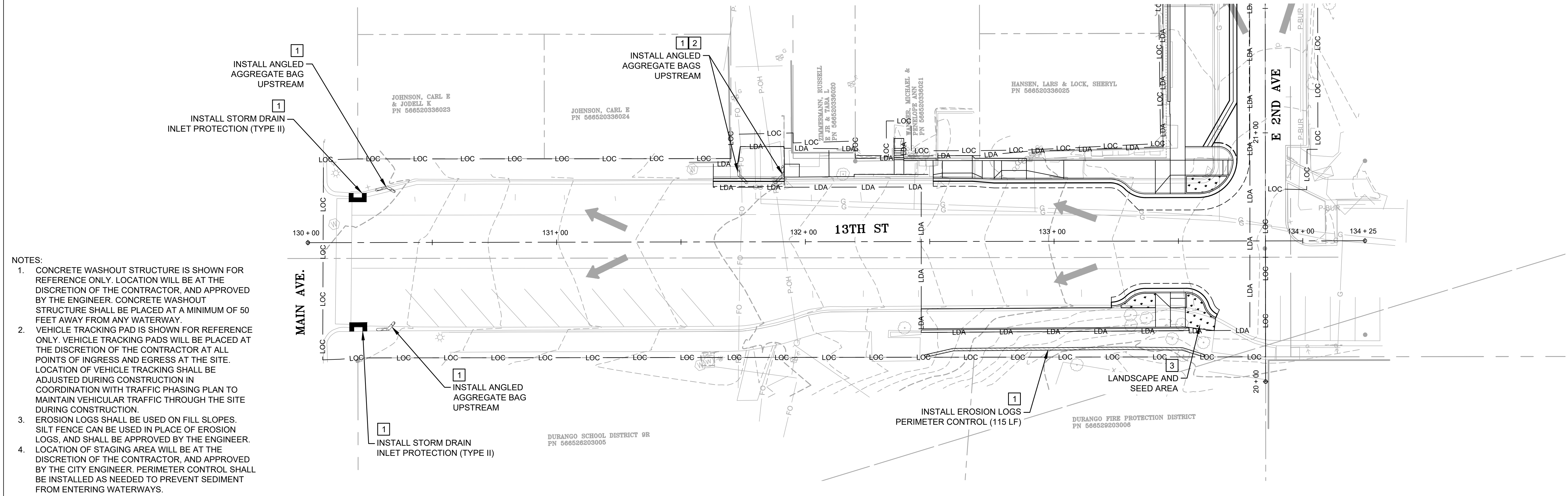
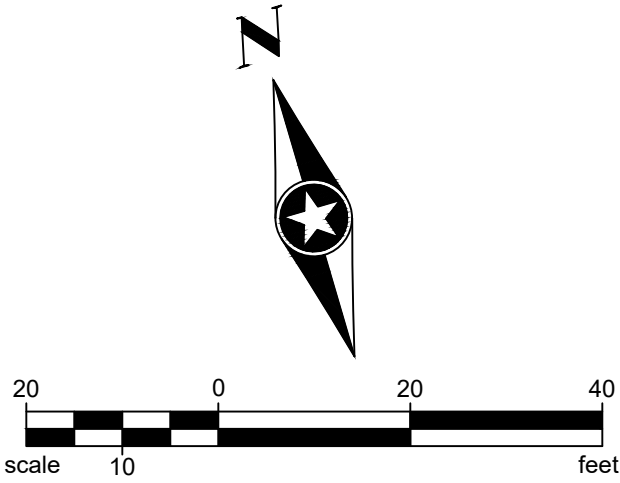
CITY OF DURANGO
PUBLIC WORKS
105 S. CAMINO DEL RIO
DURANGO, CO 80131

PHONE: 970.385.4546
934 MAIN AVENUE
SUITE C
DURANGO, COLORADO 81301-51
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MIDTOWN SAFETY & CONNECTIVITY PROJECT

EROSION CONTROL- E 2ND AVE.		SHEET NO.	50
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	50	OF 58

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- NOTES:
1. CONCRETE WASHOUT STRUCTURE IS SHOWN FOR REFERENCE ONLY. LOCATION WILL BE AT THE DISCRETION OF THE CONTRACTOR, AND APPROVED BY THE ENGINEER. CONCRETE WASHOUT STRUCTURE SHALL BE PLACED AT A MINIMUM OF 50 FEET AWAY FROM ANY WATERWAY.
 2. VEHICLE TRACKING PAD IS SHOWN FOR REFERENCE ONLY. VEHICLE TRACKING PADS WILL BE PLACED AT THE DISCRETION OF THE CONTRACTOR AT ALL POINTS OF INGRESS AND EGRESS AT THE SITE. LOCATION OF VEHICLE TRACKING SHALL BE ADJUSTED DURING CONSTRUCTION IN COORDINATION WITH TRAFFIC PHASING PLAN TO MAINTAIN VEHICULAR TRAFFIC THROUGH THE SITE DURING CONSTRUCTION.
 3. EROSION LOGS SHALL BE USED ON FILL SLOPES. SILT FENCE CAN BE USED IN PLACE OF EROSION LOGS, AND SHALL BE APPROVED BY THE ENGINEER.
 4. LOCATION OF STAGING AREA WILL BE AT THE DISCRETION OF THE CONTRACTOR, AND APPROVED BY THE CITY ENGINEER. PERIMETER CONTROL SHALL BE INSTALLED AS NEEDED TO PREVENT SEDIMENT FROM ENTERING WATERWAYS.

LEGEND			
	SEEDING, MULCHING, MULCH TACKIFIER, & TOPSOIL		CONCRETE WASHOUT STRUCTURE
	EROSION LOG (PERIMETER CONTROL)		VEHICLE TRACKING PAD
	EROSION LOG (CULVERT PROTECTION)		LOC — LIMITS OF CONSTRUCTION
	ANGLED AGGREGATE BAG		LDA — LIMITS OF DISTURBANCE
	STORM DRAIN INLET PROTECTION (TYPE I)		EXISTING FLOW DIRECTION
	STORM DRAIN INLET PROTECTION (TYPE II)		PROPOSED FLOW DIRECTION
	EROSION LOG FILTER (DROP INLET)		1 INITIAL BMP TO BE INSTALLED PRIOR TO CONSTRUCTION
	INLET PROTECTION (CITY OF DURANGO)		2 INTERIM BMP TO BE INSTALLED DURING CONSTRUCTION
			3 FINAL BMP TO BE INSTALLED AFTER CONSTRUCTION

NO.	REVISIONS	DATE	BY
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MIDTOWN SAFETY &
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EROSION CONTROL- E 13TH		SHEET NO.
		51
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	51 OF 58

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- NOTES:
1. CONCRETE WASHOUT STRUCTURE IS SHOWN FOR REFERENCE ONLY. LOCATION WILL BE AT THE DISCRETION OF THE CONTRACTOR, AND APPROVED BY THE ENGINEER. CONCRETE WASHOUT STRUCTURE SHALL BE PLACED AT A MINIMUM OF 50 FEET AWAY FROM ANY WATERWAY.
 2. VEHICLE TRACKING PAD IS SHOWN FOR REFERENCE ONLY. VEHICLE TRACKING PADS WILL BE PLACED AT THE DISCRETION OF THE CONTRACTOR AT ALL POINTS OF INGRESS AND EGRESS AT THE SITE. LOCATION OF VEHICLE TRACKING SHALL BE ADJUSTED DURING CONSTRUCTION IN COORDINATION WITH TRAFFIC PHASING PLAN TO MAINTAIN VEHICULAR TRAFFIC THROUGH THE SITE DURING CONSTRUCTION.
 3. EROSION LOGS SHALL BE USED ON FILL SLOPES. SILT FENCE CAN BE USED IN PLACE OF EROSION LOGS, AND SHALL BE APPROVED BY THE ENGINEER.
 4. LOCATION OF STAGING AREA WILL BE AT THE DISCRETION OF THE CONTRACTOR, AND APPROVED BY THE CITY ENGINEER. PERIMETER CONTROL SHALL BE INSTALLED AS NEEDED TO PREVENT SEDIMENT FROM ENTERING WATERWAYS.

LEGEND	
	SEEDING, MULCHING, MULCH TACKIFIER, & TOPSOIL
	EROSION LOG (PERIMETER CONTROL)
	EROSION LOG (CULVERT PROTECTION)
	ANGLED AGGREGATE BAG
	STORM DRAIN INLET PROTECTION (TYPE I)
	STORM DRAIN INLET PROTECTION (TYPE II)
	EROSION LOG FILTER (DROP INLET)
	INLET PROTECTION (CITY OF DURANGO)
	CONCRETE WASHOUT STRUCTURE
	VEHICLE TRACKING PAD
	LOC — LIMITS OF CONSTRUCTION
	LDA — LIMITS OF DISTURBANCE
	EXISTING FLOW DIRECTION
	PROPOSED FLOW DIRECTION
	1 INITIAL BMP TO BE INSTALLED PRIOR TO CONSTRUCTION
	2 INTERIM BMP TO BE INSTALLED DURING CONSTRUCTION
	3 FINAL BMP TO BE INSTALLED AFTER CONSTRUCTION

NO.	REVISIONS	DATE	BY
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COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING:

811

DESIGNED JBN DATE 3/7/2025
DRAWN JBN DATE 3/7/2025
CHECKED SW DATE 3/7/2025



CITY OF DURANGO
PUBLIC WORKS
105 S. CAMINO DEL RIO
DURANGO, CO 80131



PHONE: 970.385.4546
934 MAIN AVENUE
SUITE C
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www.sehinc.com

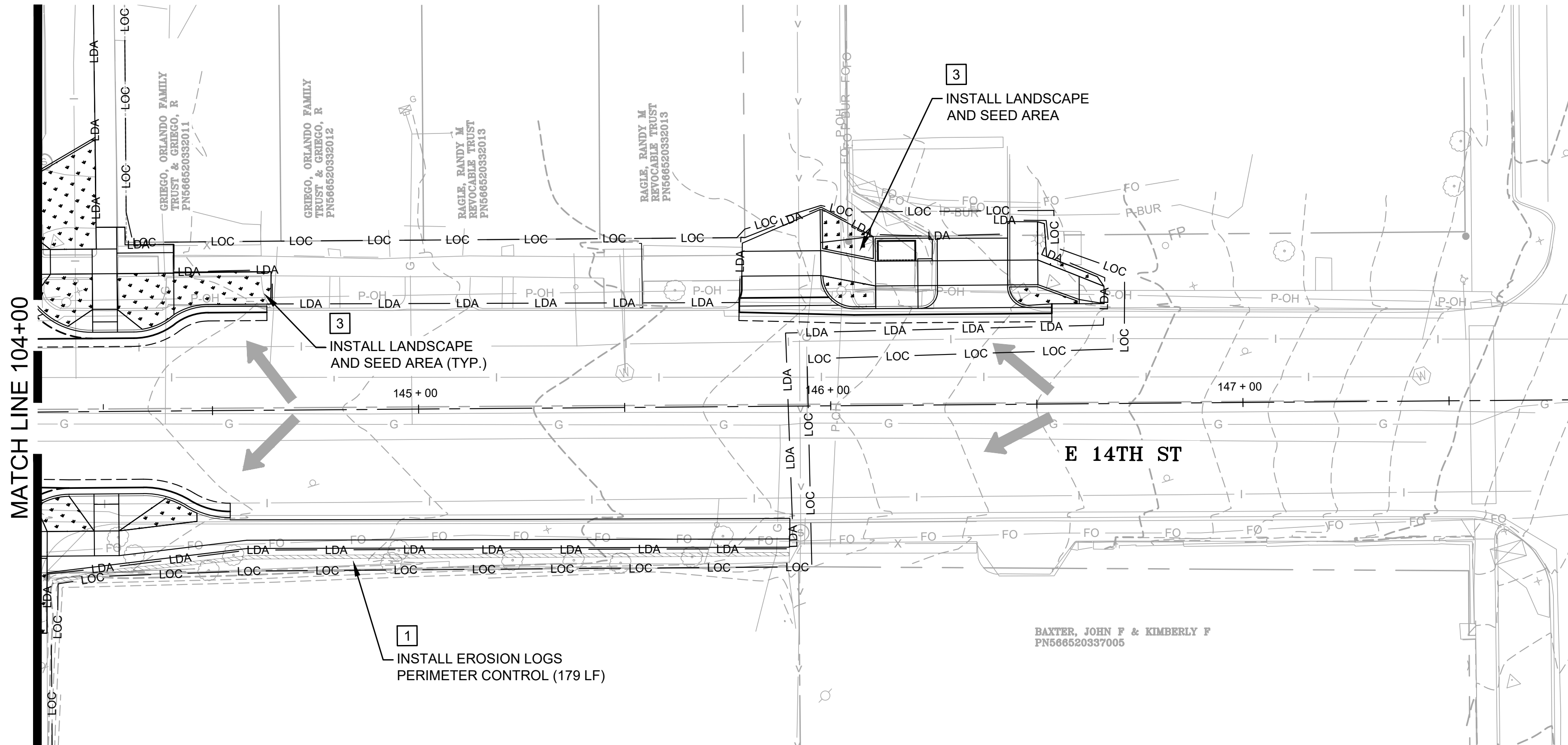
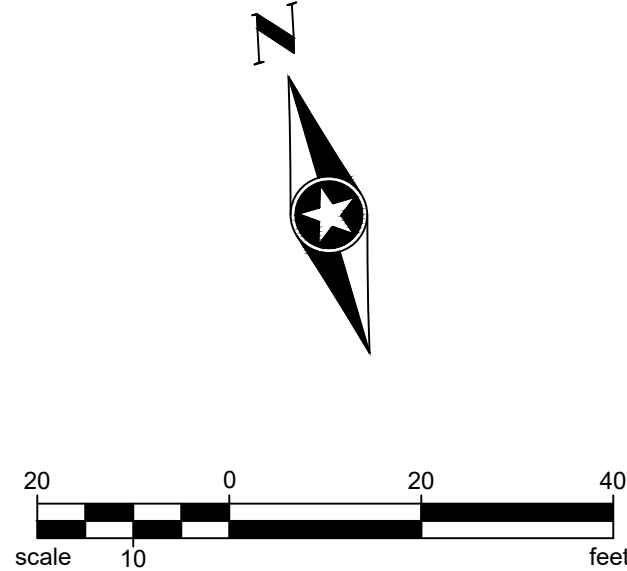
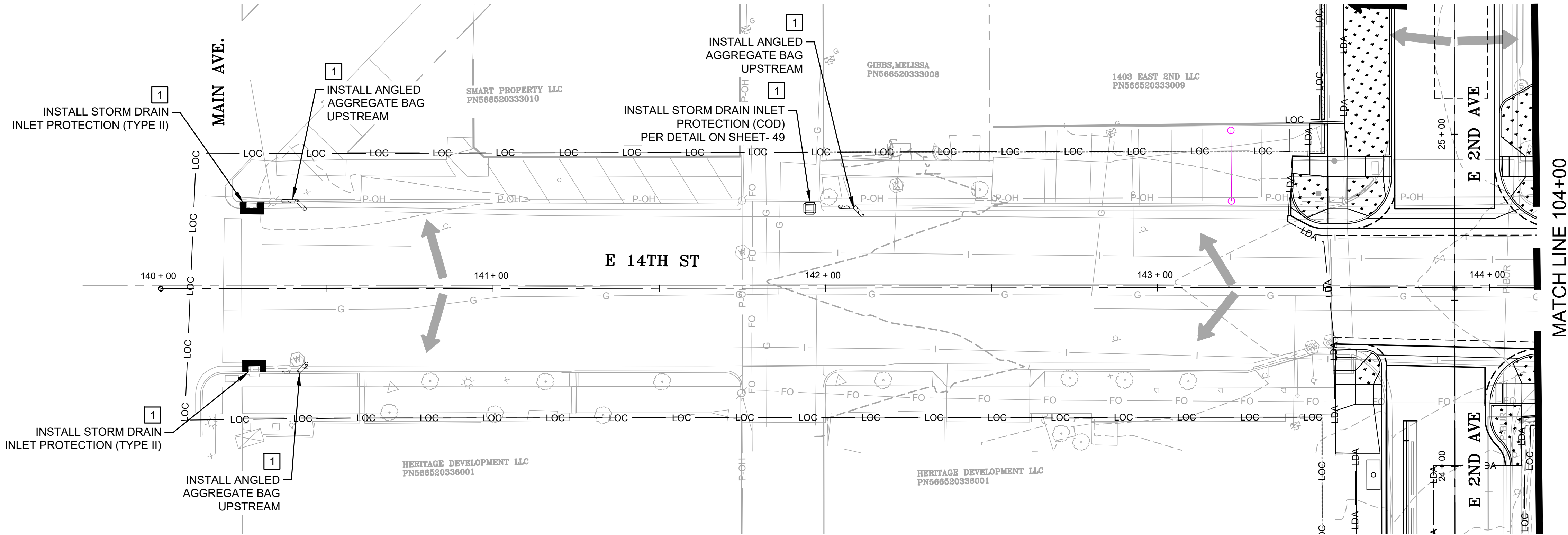
MIDTOWN SAFETY &
CONNECTIVITY PROJECT

EROSION CONTROL- E 14TH ST

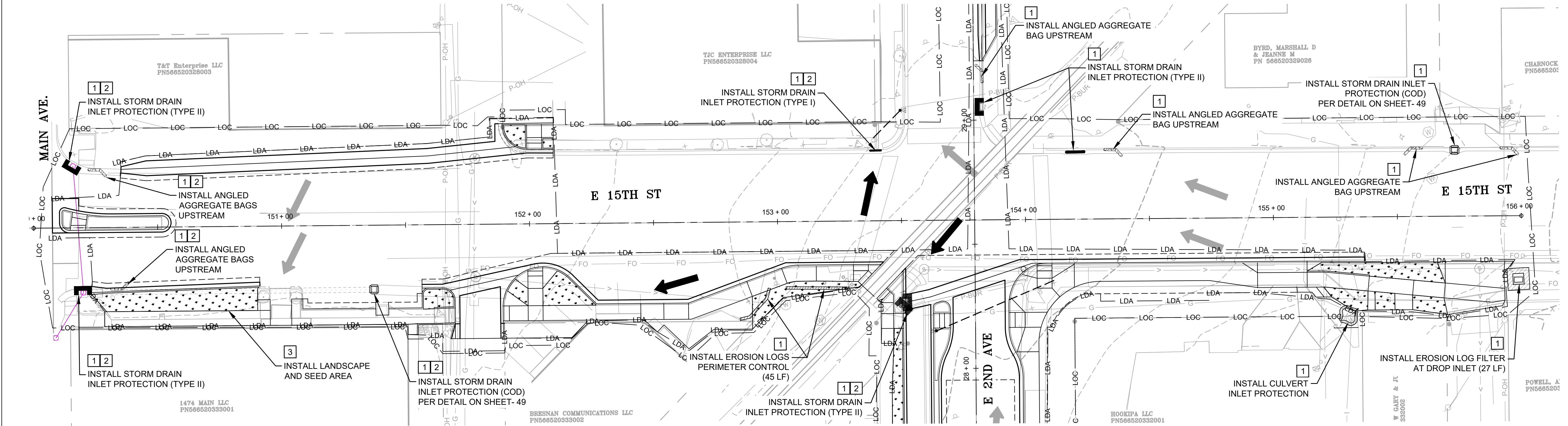
SEH PROJECT NO. 161088 DATE ISSUED 3/7/2025 52 OF 58

SHEET NO.
52

90% DESIGN SUBMITTAL



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- NOTES:
1. CONCRETE WASHOUT STRUCTURE IS SHOWN FOR REFERENCE ONLY. LOCATION WILL BE AT THE DISCRETION OF THE CONTRACTOR, AND APPROVED BY THE ENGINEER. CONCRETE WASHOUT STRUCTURE SHALL BE PLACED AT A MINIMUM OF 30 FEET AWAY FROM ANY WATERWAY.
 2. VEHICLE TRACKING PAD IS SHOWN FOR REFERENCE ONLY. VEHICLE TRACKING PADS WILL BE PLACED AT THE DISCRETION OF THE CONTRACTOR AT ALL POINTS OF INGRESS AND EGRESS AT THE SITE. LOCATION OF VEHICLE TRACKING SHALL BE ADJUSTED DURING CONSTRUCTION IN COORDINATION WITH TRAFFIC PHASING PLAN TO MAINTAIN VEHICULAR TRAFFIC THROUGH THE SITE DURING CONSTRUCTION.
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LEGEND			
	SEEDING, MULCHING, MULCH TACKIFIER, & TOPSOIL		CONCRETE WASHOUT STRUCTURE
	EROSION LOG (PERIMETER CONTROL)		VEHICLE TRACKING PAD
	EROSION LOG (CULVERT PROTECTION)		Limits of Construction
	ANGLED AGGREGATE BAG		Limits of Disturbance
	STORM DRAIN INLET PROTECTION (TYPE I)		EXISTING FLOW DIRECTION
	STORM DRAIN INLET PROTECTION (TYPE II)		PROPOSED FLOW DIRECTION
	EROSION LOG FILTER (DROP INLET)		INITIAL BMP TO BE INSTALLED PRIOR TO CONSTRUCTION
	INLET PROTECTION (CITY OF DURANGO)		INTERIM BMP TO BE INSTALLED DURING CONSTRUCTION
			FINAL BMP TO BE INSTALLED AFTER CONSTRUCTION

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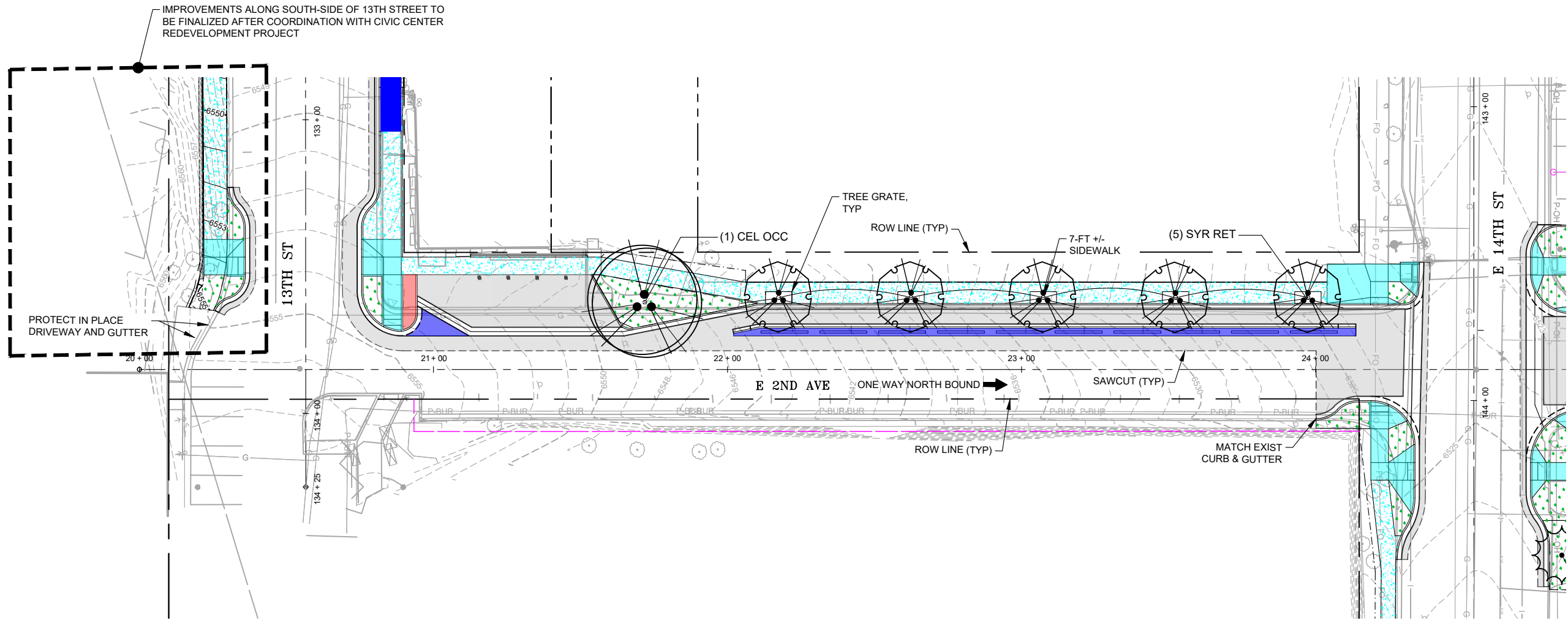
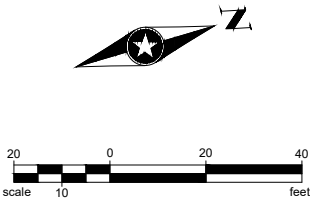
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CONNECTIVITY PROJECT

EROSION CONTROL- E 15TH ST

SEH PROJECT NO. 161088 DATE ISSUED 3/7/2025 53 OF 58

90% DESIGN SUBMITTAL

SHEET NO.
53



PLANT SCHEDULE 2ND 13TH TO 14TH

SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	QTY
ORNAMENTAL TREES				
	SYR RET	SYRINGA RETICULATA / JAPANESE TREE LILAC	2" CAL	5
DECIDUOUS TREES				
	CEL OCC	CELTIS OCCIDENTALIS / COMMON HACKBERRY	2.5" CAL	1

KEY	
	HMA PAVEMENT
	CONCRETE SIDEWALK
	CONCRETE RAMP
	MEDIAN COVER MATERIAL
	CONCRETE PAVEMENT
	LANDSCAPE
	TEMPORARY CONSTRUCTION EASEMENT

90% DESIGN SUBMITTAL

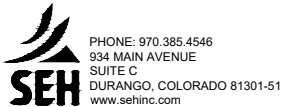
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COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING:
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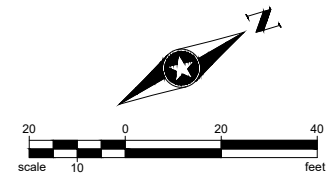
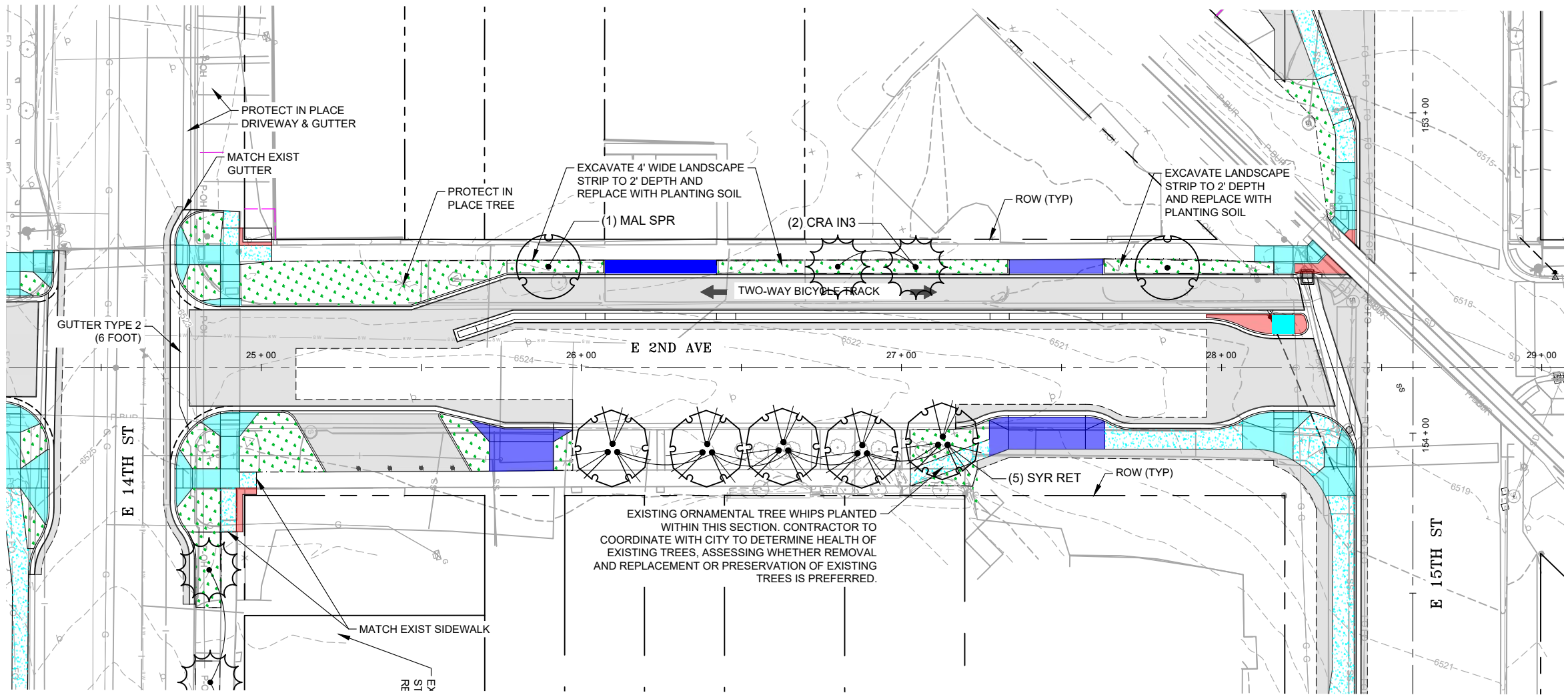
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DURANGO, CO 80131



MIDTOWN SAFETY &
CONNECTIVITY PROJECT

LANDSCAPE 2ND AVE
13TH ST TO 14TH ST

SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	SHEET NO. 54 OF 58
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PLANT SCHEDULE 2ND 14TH TO 15TH

SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	QTY
ORNAMENTAL TREES				
	CRA IN3	CRATAEGUS CRUS-GALLI 'INERMIS' / THORNLESS HAWTHORN	2" CAL	2
	MAL SPR	MALUS X 'SPRING SNOW' / SPRING SNOW CRABAPPLE	2" CAL	2
	SYR RET	SYRINGA RETICULATA / JAPANESE TREE LILAC	2" CAL	5

KEY	
	HMA PAVEMENT
	CONCRETE SIDEWALK
	CONCRETE RAMP
	MEDIAN COVER MATERIAL
	CONCRETE PAVEMENT
	LANDSCAPE
	TEMPORARY CONSTRUCTION EASEMENT

NO.	REVISIONS	DATE	BY
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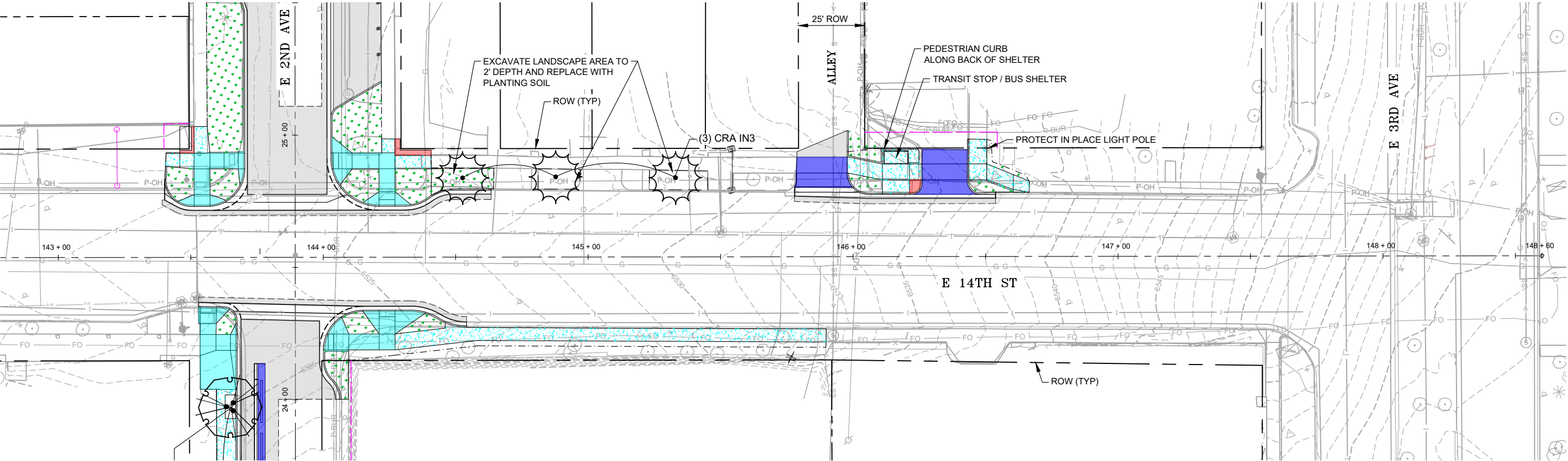
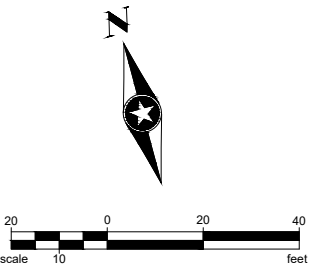
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MIDTOWN SAFETY & CONNECTIVITY PROJECT

LANDSCAPE 2ND AVE 14TH TO 15TH ST ----		SHEET NO. 55
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	55 OF 58



PLANT SCHEDULE 14TH 2ND TO 3RD

SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	QTY
ORNAMENTAL TREES				
	CRA IN3	CRATAEGUS CRUS-GALLI 'INERMIS' / THORNLESS HAWTHORN	2" CAL	3

KEY	
	HMA PAVEMENT
	CONCRETE SIDEWALK
	CONCRETE RAMP
	MEDIAN COVER MATERIAL
	CONCRETE PAVEMENT
	LANDSCAPE
	TEMPORARY CONSTRUCTION EASEMENT

90% DESIGN SUBMITTAL

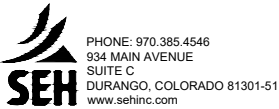
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COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING:
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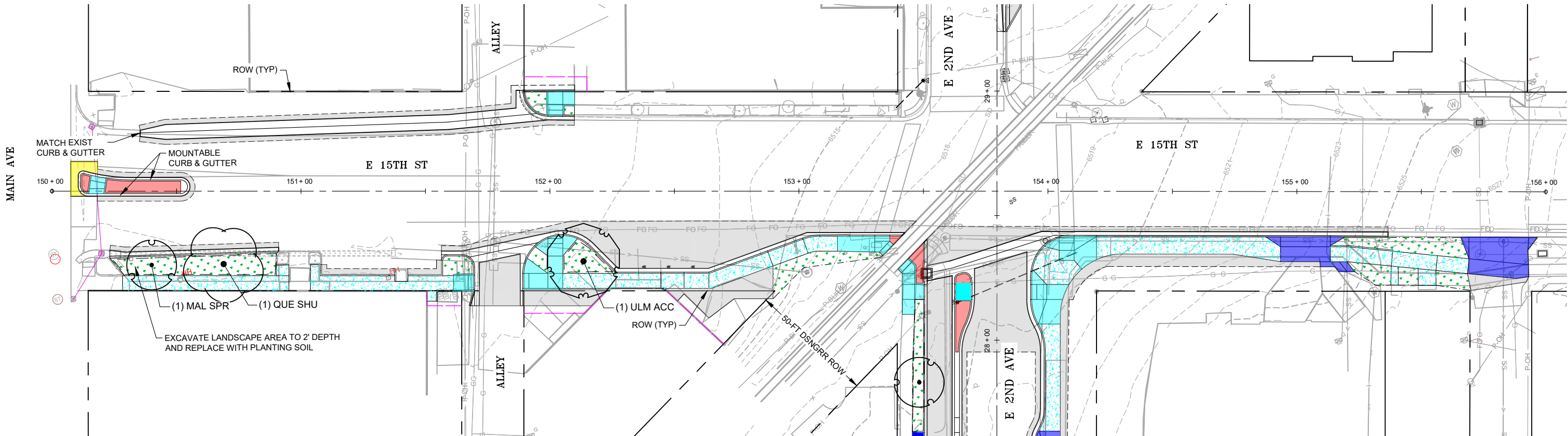
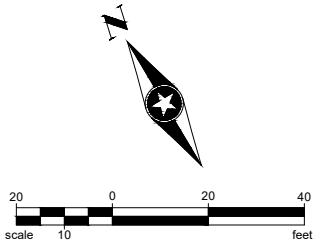


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MIDTOWN SAFETY &
CONNECTIVITY PROJECT

LANDSCAPE 14TH ST 2ND AVE TO 3RD AVE		SHEET NO.
---		56
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	56 OF 58



PLANT SCHEDULE 15TH MAIN TO 2ND

SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	QTY
ORNAMENTAL TREES				
	MAL SPR	MALUS X 'SPRING SNOW' / SPRING SNOW CRABAPPLE	2" CAL	1
DECIDUOUS TREES				
	QUE SHU	QUERCUS SHUMARDII / SHUMARD OAK	2.5" CAL	1
	ULM ACC	ULMUS X 'MORTON' / ACCOLADE™ ELM	2.5" CAL	1

KEY	
	HMA PAVEMENT
	CONCRETE SIDEWALK
	CONCRETE RAMP
	MEDIAN COVER MATERIAL
	CONCRETE PAVEMENT
	LANDSCAPE
	TEMPORARY CONSTRUCTION EASEMENT

90% DESIGN SUBMITTAL

NO.	REVISIONS	DATE	BY
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COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING:
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MIDTOWN SAFETY & CONNECTIVITY PROJECT

LANDSCAPE 15TH ST MAIN TO 2ND AVE		SHEET NO.
---		57
SEH PROJECT NO. 161088	DATE ISSUED 3/7/2025	57 OF 58

PLANTING NOTES

1. EXISTING TREES FOUND ON SITE SHALL BE PROTECTED AND MAINTAINED UNLESS NOTED TO BE REMOVED OR ARE LOCATED IN AN AREA TO BE GRADED. QUESTIONS REGARDING EXISTING PLANT MATERIAL SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO REMOVAL.
2. THE LAYOUT OF ALL PLANTING BEDS AND INDIVIDUAL TREES SHALL BE STAKED BY THE CONTRACTOR IN ADVANCE OF INSTALLATION. FLAGGING, STAKES, OR PAINT MAY BE USED TO DELINEATE LOCATIONS AS SCALED FROM THE PLANS. THE LANDSCAPE ARCHITECT WILL REVIEW THESE LOCATIONS WITH THE CONTRACTOR AND MAKE MINOR ADJUSTMENTS AS NECESSARY. BED LAYOUT SHALL ALSO INCLUDE PERENNIAL GROUPINGS BY SPECIES.
3. THE CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY DETERMINING THE PLANT MATERIAL QUANTITIES REQUIRED BY THE LANDSCAPE PLANS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
4. SALVAGE TOPSOIL FROM THE EARTHWORK AREAS AS APPROPRIATE AND/OR AS DIRECTED BY LANDSCAPE ARCHITECT AND STOCKPILE FOR REUSE IN LOCATION APPROVED BY OWNER.
5. AREAS UNDER PLANTING BEDS SHALL NOT CONTAIN COMPACTED AGGREGATE TO ALLOW FOR PROPER DRAINAGE AND GROWTH OF PLANT MATERIAL. REMOVE AGGREGATE AND PERFORM SUBSOILING AS NECESSARY TO OBTAIN LOOSE, FREE DRAINING SUBGRADE BELOW PLANTING BEDS. UNDESIRABLE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER SURFACE AND SUBSURFACE DRAINAGE IN ALL AREAS.
6. CONTRACTOR SHALL ENSURE THAT SOIL CONDITIONS AND COMPACTION ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AROUND THE CONSTRUCTION SITE. UNDESIRABLE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER SURFACE AND SUBSURFACE DRAINAGE IN ALL AREAS.
7. ALL PLANTING BEDS SHALL RECEIVE 24" DEPTH OF PREPARED SOIL.
8. ALL DISTURBED AREAS OUTSIDE THE LIMITS OF WORK SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER.
9. ALL PLANTING BEDS AND PLANTED TREES SHALL BE MULCHED WITH 3" DEEP SHREDDED HARDWOOD MULCH PER PLANTING DETAILS. MULCH SHALL BE CONSIDERED INCIDENTAL TO PLANT MATERIALS.
10. NO PLANT MATERIAL SUBSTITUTIONS WILL BE ACCEPTED UNLESS APPROVAL BY THE LANDSCAPE ARCHITECT. ALL PLANT MATERIAL AND SEED SHALL BE PROVIDED FROM A NURSERY (WITHIN 200 MILES) WITH A SIMILAR PLANT HARDINESS ZONE AS PROJECT LOCATION.
11. CONTRACTOR IS RESPONSIBLE FOR ON-GOING MAINTENANCE OF ALL NEWLY INSTALLED MATERIALS UNTIL TIME OF OWNER ACCEPTANCE. ANY ACTS OF VANDALISM OR DAMAGE WHICH MAY OCCUR PRIOR TO OWNER ACCEPTANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

PLANT SCHEDULE

<u>SYMBOL</u>	<u>CODE</u>	<u>BOTANICAL / COMMON NAME</u>	<u>SIZE</u>	<u>QTY</u>
<u>ORNAMENTAL TREES</u>				
	CRA IN3	CRATAEGUS CRUS-GALLI 'INERMIS' / THORNLESS HAWTHORN	2" CAL	5
	MAL SPR	MALUS X 'SPRING SNOW' / SPRING SNOW CRABAPPLE	2" CAL	3
	SYR RET	SYRINGA RETICULATA / JAPANESE TREE LILAC	2" CAL	10
<u>DECIDUOUS TREES</u>				
	CEL OCC	CELTIS OCCIDENTALIS / COMMON HACKBERRY	2.5" CAL	1
	QUE SHU	QUERCUS SHUMARDII / SHUMARD OAK	2.5" CAL	1
	ULM ACC	ULMUS X 'MORTON' / ACCOLADE™ ELM	2.5" CAL	1

90% DESIGN SUBMITTAL

NO.	REVISIONS	DATE	BY	COLORADO LAW (SENATE BILL 93-155) REQUIRES PERSONS TO NOTIFY THE UTILITY NOTIFICATION CENTER OF COLORADO 2 BUSINESS DAYS PRIOR TO MAKING OR BEGINNING AN EXCAVATION. NOTIFICATION MAY BE MADE BY CALLING: 811	DESIGNED	JBN	DATE	3/7/2025	 CITY OF DURANGO PUBLIC WORKS 105 S. CAMINO DEL RIO DURANGO, CO 80131	 PHONE: 970.385.4546 934 MAIN AVENUE SUITE C DURANGO, COLORADO 81301-51 www.sehinc.com	MIDTOWN SAFETY & CONNECTIVITY PROJECT	LANDSCAPE		SHEET NO.
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