CITY OF Grand Junction COLORADO

Purchasing Division

ADDENDUM NO. 1

DATE: **December 29, 2016**
FROM: **City of Grand Junction Purchasing Division**
TO: **All Offerors**
RE: **1st Street Reconstruction (Ouray Ave to North Ave)**

Offerors responding to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

1. See attached plans/drawings to be added to this solicitation.

2. A bid line item for Quality Control Testing has been added to the solicitation Bid Schedule. Contractor shall utilize this Revised Bid Schedule when submitting their bid response to this solicitation process **(see attached)**.

The original solicitation for the project noted above is amended as noted.

All other conditions of subject remain the same.

Respectfully,

Duane Hoff Jr.
City of Grand Junction, Colorado

Bid Schedule: 1st Street Reconstruction

Company Name:_____ Addendum #1

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	108.2	8" Storm Drain Pipe (RCP)	10.	LF	$ _____	$ _____
2	108.2	12" Storm Drain Pipe (RCP)	358.	LF	$ _____	$ _____
3	108.2	30" Storm Drain Pipe (RCP)	5.	LF	$ _____	$ _____
4	108.2	42" Storm Drain Pipe (RCP)	406.	LF	$ _____	$ _____
5	108.5	Connect to Existing Manhole	4.	EA	$ _____	$ _____
6	108.5	Adjust storm Manhole Rim to Finish Grade (Replace ring and cover with Watertight)	2.	EA	$ _____	$ _____
7	108.6	Storm Sewer Basic Manhole (48" I.D.)	1.	EA	$ _____	$ _____
8	108.6	Tee Manhole Special (42" X 48")	2.	EA	$ _____	$ _____
9	108.6	Tee Manhole Special (48" X 60")	1.	EA	$ _____	$ _____
10	108.6	Single Storm Drain Inlet (Large Area Inlet)	9.	EA	$ _____	$ _____
11	108.6	Single Storm Drain Inlet (Vertical Curb)	3.	EA	$ _____	$ _____
12	202	Removal of Asphalt Mat (Milling)(1"-8")	18,150.	SY	$ _____	$ _____
13	202	Removal of concrete. Remove concrete as shown* indicated by cross hatch pattern(includes but not limited to Saw Cutting, curb, gutter, sidewalks, driveways slabs v-pans, curb ramps, intersection corners and aprons)	2,711.	SY	$ _____	$ _____
14	202	Remove Tree	9.	EA	$ _____	$ _____
15	202	Removal of Bush	43.	EA	$ _____	$ _____
16	202	Removal of Sod	4,900.	SF	$ _____	$ _____
17	202	Removal of Manhole (Storm)	2.	EA	$ _____	$ _____
18	202	Removal of Inlet	8.	EA	$ _____	$ _____
19	202	Removal of Ground Sign	1.	EA	$ _____	$ _____

Bid Schedule: 1st Street Reconstruction

Company Name:_____ Addendum #1

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
20	202	Removal of Pipe (12" and Smaller)	305.	LF	$ _____	$ _____
21	202	Removal of Pipe (18" and Larger)	75.	LF	$ _____	$ _____
22	202	Abandon Pipe by plugging Open end	2.	EA	$ _____	$ _____
23	202	Removal of wood boarder	171.	LF	$ _____	$ _____
24	202	Removal of Parking Chalks	4.	EA	$ _____	$ _____
25	202	Removal of Fence	64.	LF	$ _____	$ _____
26	202	Remove post	7.	EA	$ _____	$ _____
27	202	Remove buisness sign base (901 and 935 N 1st St and 2582 HWY 6 & 50)	5.	EA	$ _____	$ _____
28	202	Remove Pole Foundation	1.	EA	$ _____	$ _____
29	202	Remove Light Pole	2.	EA	$ _____	$ _____
30	203	Potholing	Lump	sum	---	$ _____
31	203	Unclassified Excavation	13,658.	CY	$ _____	$ _____
32	203	Sweeping with Pick-up Broom	70.	HR	$ _____	$ _____
33	203	Disposal of Radioctive Materials	250.	CY	$ _____	$ _____
34	206	Structural Backfill (Flowfill)(as Required)	100.	CY	$ _____	$ _____
35	208	Storm Drain Inlet Protection	14.	EA	$ _____	$ _____
36	208	Concrete Washout Facility	4.	EA	$ _____	$ _____
37	208	Vehical track Pad	4.	EA	$ _____	$ _____
38	208	Erosion Control (Complete In Place)	Lump	sum	---	$ _____
39	209	Dust Abatement	120.	Day	$ _____	$ _____
40	210	Reset Sprinkler System (Complete in Place)	6.	EA	$ _____	$ _____
41	210	Reset Sign Panel	21.	EA	$ _____	$ _____
42	210	Adjust Water Valve to Finish Grade	20.	EA	$ _____	$ _____

Bid Schedule: 1st Street Reconstruction

Company Name:_____ Addendum #1

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
43	210	Reset Fire Hydrant	1.	EA	$ _____	$ _____
44	210	Adjust Water meter to Finished Grade	27.	EA	$ _____	$ _____
45	210	Rest Backflow Preventor	3.	EA	$ _____	$ _____
46	210	Temporary Sidewalk	100.	LF	$ _____	$ _____
47	210	Adjust Manhole to Finished Grade	10.	EA	$ _____	$ _____
48	210	Adjust SSCO to Finished Grade	23.	EA	$ _____	$ _____
49	210	Reset Parking Blocks	6.	EA	$ _____	$ _____
50	210	Reset Business (Sign) (Price to include new Base)	2.	EA	$ _____	$ _____
51	210	Reference and Reset Monitoring Well Covers(Protect Monitoring Well in Place)	9.	EA	$ _____	$ _____
52	212	Sod (Behind BOW to restore sodded areas	2,205.	SF	$ _____	$ _____
53	213	Inorganic mulch (behind BOW to restore Xericscape or gravel driveway)(4" Deep)	17.	CY	$ _____	$ _____
54	304	Subgrade Stabilization (Class 3 ABC)20" Thick(Road Prism)(1st Street)	10,400.	SY	$ _____	$ _____
55	304	Aggregate Base Course (Class 6)(12" Thick)(1st St and North Ave)	10,700.	SY	$ _____	$ _____
56	304	Aggregate Base Course (Class 6)(6" thick) (Paving behind BOW to Restore Driveways and parking)(FOR HMA ONLY)	1,150.	SY	$ _____	$ _____
57	304	Aggregate Base Course (Class 6)(12" Thick)(Connector Roads)	1,250.	SY	$ _____	$ _____
58	401	Hot Mix Asphalt (3" Thick)(Gradin SX-75)(Binder 64-22)(Bottom Mat Connector Roads)	1,250.	SY	$ _____	$ _____

Bid Schedule: 1st Street Reconstruction

Company Name:_____ Addendum #1

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
59	401	Hot Mix Asphalt (2" Thick)(Gradin SX-75)(Binder 76-28)(Top Mat Connector Roads)	1,250.	SY	$ _____	$ _____
60	401	Hot Mix Asphalt (2" Thick) (Overlay Fuoco DWY)	800.	SY	$ _____	$ _____
61	401	Hot Mix Asphalt Grade Transition from Back of Curb to Existing Pavement Grade (Grading SX-75)(Binder 64-22)(Fuoco Driveway)	35.	TON	$ _____	$ _____
62	401	Hot Mix Asphalt (4" Thick) (Grading SX-75)(Binder 64-22)(2ea 2"Lifts)(Paving Behind Back of Walk to restore Drives and Parking)	1,150.	SY	$ _____	$ _____
63	412	Colored Concrete Pavement (Parking)(Class D)(8" Thick) (Omaha Tan)(Davis Color 5084)(Price to Include 4" Class 6 Aggregate Base Course)	1,190.	SY	$ _____	$ _____
64	412	Concrete Pavement (Alley)(Class D)(8" Thick)(Price to Include 4" Class 6 Aggregate Base Course)	250.	SY	$ _____	$ _____
65	412	Concrete Pavement (Paving Behind Back of Walk to restore Drives and Parking)(Class D)(6" Thick)(Price to Include 4" Class 6 Aggregate Base Course)	65.	SY	$ _____	$ _____
66	420	Geogrid (TriAxial)	1,000.	SY	$ _____	$ _____
67	608	Concrete Drainage Pan (1.5' Wide)	5.	LF	$ _____	$ _____
68	608	Concrete Drainage Pan (3' Wide)	35.	LF	$ _____	$ _____
69	608	Concrete Drainage Pan (6' Wide)	180.	LF	$ _____	$ _____
70	608	Concrete Curb (6" wide)	2,090.	LF	$ _____	$ _____
71	608	Concrete Curb with Spill Gutter (1.5' Wide)	510.	LF	$ _____	$ _____
72	608	Concrete Curb and Gutter (2' Wide)	1,350.	LF	$ _____	$ _____

Bid Schedule: 1st Street Reconstruction

Company Name:_____ Addendum #1

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
73	608	Concrete Curb and Gutter (2.5' Wide)	25.	LF	$ _____	$ _____
74	608	Concrete Drive Over Curb and Gutter (3' Wide)	470.	LF	$ _____	$ _____
75	608	Concrete Sidewalk (4" Thick)	2,710.	SY	$ _____	$ _____
76	608	Monolithic Curb Gutter and Sidewalk (7' Wide)	25.	SY	$ _____	$ _____
77	608	Monolithic Curb Gutter and Sidewalk (10' Wide)	300.	SY	$ _____	$ _____
78	608	Concrete Curb Ramp (8" thick)	255.	SY	$ _____	$ _____
79	608	Concrete Driveway Section (8" Thick)	1,690.	SY	$ _____	$ _____
80	608	Concrete Intersection Corner	340.	SY	$ _____	$ _____
81	608	Concrete Median Edgeing 1.5' Wide(Sunset Rose)(Davis Color 160)	410.	LF	$ _____	$ _____
82	608	Detectable Warning (Wet Set) (2'X2")	65.	EA	$ _____	$ _____
83	613	Large Splice Box (Quasite 24X36)(Labled "FIBER")	8.	EA	$ _____	$ _____
84	613	Splice Box (Quasite 13X24X15)(Labled "Fiber")	8.	EA	$ _____	$ _____
85	613	Large Splice Box (48" Manhole Cone Section on Blocks)(Price to include Manhole Ring and Cover labled "TRAFFIC")	7.	EA	$ _____	$ _____
86	613	6" Diameter SCH 80 PVC Conduit Duct (With a standard 8KN pull rope pre installed and #10 tracing wire)(to be installed in common trench)	2,500.	LF	$ _____	$ _____
87	613	2" Diameter SCH 80 PVC Conduit Duct (With a standard 8KN pull rope pre installed and #10 tracing wire)(to be installed in common trench)	4,300.	LF	$ _____	$ _____
88	613	Electrical Utility Trech (24" Wide X 30" Deep) (Including Backfill Material Per Special Provisions)	2,500.	LF	$ _____	$ _____

Bid Schedule: 1st Street Reconstruction

Company Name:_____ Addendum #1

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
89	620	Sanitary Facility	Lump	sum	---	$ _____
90	625	Construction Surveying	Lump	sum	---	$ _____
91	626	Mobilization	Lump	sum	---	$ _____
92	627	Preformed Thermoplastic Pavement Markings (Word Symbol)	360.	SF	$ _____	$ _____
93	627	Preformed Thermoplastic Pavement Markings (X-Walk/Stop Bar)	2,200.	SF	$ _____	$ _____
94	629	Reference and Reset Survey Monuments	7.	EA	$ _____	$ _____
95	629	Set Property Pin Per Legal Description	19.	EA	$ _____	$ _____
96	630	Traffic Control Plan	Lump	Sum	---	$ _____
97	630	Traffic Control (Complete In Place)	Lump	Sum	---	$ _____
98	630	Flagging	1,000.	HR	$ _____	$ _____
99		**Landscaping** (per Summary of Approximate Quantities in Drawing Package)	Lump	sum	---	$ _____
100		**Irrigation** (per Summary of Approximate Quantities in Drawing Package)	Lump	sum	---	$ _____
101	**INC**	**Incentive** (Maximum 30 Days @ $2500/Day)	---	---	---	$ 75,000.00
102	QC	Quality Control Testing	Lump	Sum	---	$ _____
MCR		Minor Contract Revisions	---	---	---	$ 100,000.00

Bid Amount: **$** _____

Bid Amount:

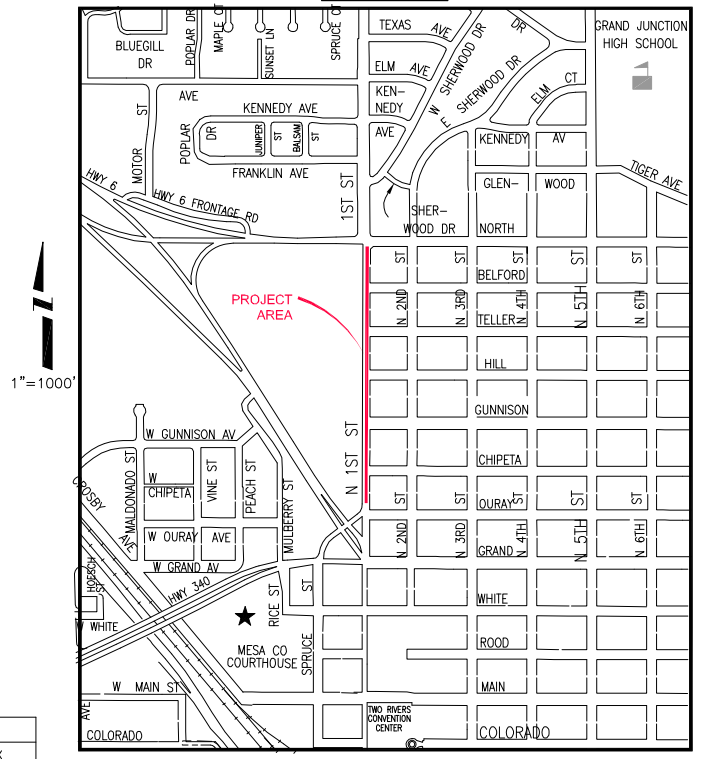
_____ **dollars**

PROJECT NO. 201-F1501

1ST STREET RECONSTRUCTION FROM OURAY AVE TO NORTH AVE

DECEMBER, 2016

VICINITY MAP



UTILITIES AND AGENCIES								
AGENCY	NAME	POSITION	ROLE	MAILING ADDRESS	STREET ADDRESS	CITY, STATE	VOICE-WK	FAX
GRAND JUNCTION, CITY OF	JEROD TIMOTHY	PROJECT ENGINEER	PROJECT ENGINEER	250 N. 5th STREET	250 N. 5th STREET	GRAND JCT., CO 81501	(970) 244-1565	(970) 256-4022
GRAND JUNCTION, CITY OF	BRET GUILLORY	UTILITY ENGINEER	SANITARY SEWER	250 N. 5th STREET	250 N. 5th STREET	GRAND JCT., CO 81501	(970) 244-1590	(970) 256-4022
GRAND VALLEY IRRIGATION CO.	PHIL BERTRAND		IRRIGATION	688 26 ROAD	688 26 ROAD	GRAND JCT., CO 81506	(970) 242-2762	
CHARTER	JEFF VALDEZ	MANAGER	CABLE TV	2502 FORESIGHT CIRCLE	2502 FORESIGHT CIRCLE	GRAND JCT., CO 81504	(970) 245-8750	(970) 245-6803
U.S. WEST/QWEST	CHRIS JOHNSON	ENGINEER	TELEPHONE	2524 BLICHMANN AVE	2524 BLICHMANN AVE	GRAND JCT., CO 81504	(970) 244-4311	(970) 240-4349
UTE WATER	JUSTIN BATES	SUPERVISOR	WATER	PO BOX 460		GRAND JCT., CO 81502	(970) 242-7491	(970) 242-9189
XCEL	SUE MERYMAN	UNIT MANAGER	GAS, ELECTRIC	2538 BLICHMANN AVE	2538 BLICHMANN AVE	GRAND JCT., CO 81506	(970) 244-2656	(970) 244-2661

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

DESCRIPTION	DATE
REVISION ⚠ XXX	- 201X
REVISION ⚠ XXX	- 201X
REVISION ⚠ XXX	- 201X
REVISION ⚠ XXX	- 201X

CITY OF Grand Junction COLORADO

Public Works
Engineering Division

811 Know what's below. Call before you dig.

DRAWING STATUS:	
	● PROGRESS ○ FINAL CONSTRUCTION DRAWINGS ○ ASBUILT
DESIGNED BY:	
JUSTIN VENSEL, PROJECT ENGINEER	2016
REVIEWED BY:	
TRENTON C. PRALL, CITY ENGINEER	2016
AUTHORIZED FOR CONSTRUCTION	
TRENTON C. PRALL, CITY ENGINEER	2016
ACCEPTED AS CONSTRUCTED	
	201X

1ST STREET RECONSTRUCTION.DECEMBER 2016 PLAN SET

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\TITLE SHEET.dwg, 11X17 TITLE, 12/15/2016 8:05:41 AM

PROJECT NO. Fxxxxx

ABBREVIATIONS

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

LEGEND

BSWMP DRAINAGE BASIN BOUNDARY

BSWMP ANCHORED STRAW BALES — ASB ASB ASB

BSWMP SILT FENCE — SF SF SF

BUILDING

CONCRETE CURB AND GUTTER — 2' CURB AND GUTTER

CONCRETE CURB,GUTTER, & SIDEWALK — 7' C, G, & SW

CONCRETE DITCH — CONCRETE

CONCRETE SIDEWALK — 4' SW

CULVERT — 18" RCP

EARTH DITCH — EARTH

EDGE OF GRAVEL

EDGE OF PAVEMENT

FENCE (BARBED WIRE)

FENCE (CHAIN LINK)

FENCE (IRON)

FENCE (PLASTIC)

FENCE (TEMPORARY CONSTRUCTION)

FENCE (WOOD)

FENCE (WOVEN WIRE)

GUARD RAIL — gr

HATCHING: INDICATES ASPHALT REMOVAL

HATCHING: INDICATES CONCRETE REMOVAL

HATCHING: INDICATES STAGING AREA — +STAGING AREA+

LINE (CENTER OF IMPROVEMENTS) — CENTERLINE

LINE (CITY LIMITS) — CITY LIMITS

LINE (CONTROL) — CONTROL LINE

LINE (EASEMENT)

LINE (MONUMENT/SECTION) — MONUMENT/SECTION LINE

LINE (PROPERTY)

LINE (RIGHT OF WAY)

MATCH LINE — MATCH LINE SEE SHEET NO ?

PIPE (IRRIGATION) — 4" IRR

PIPE (SIPHON) — 4" SIPHON

PROPOSED CONCRETE CURB AND GUTTER

PROPOSED CONCRETE CURB,GUTTER,& SIDEWALK

PROPOSED CONCRETE SIDEWALK

PROPOSED "WET" UTILITIES (CONSTRUCTION NOTE WILL INDICATE TYPE, SIZE, AND MATERIAL OF NEW MAIN) — 8" PVC SANITARY SEWER

ALL PROPOSED FEATURES NOT SHOWN IN LEGEND WILL BE SHOWN THE SAME AS THEIR EXISTING COUNTERPART, BUT INDICATED BY BOLDER LINETYPE

RAIL ROAD

RETAINING WALL — 1' RETAINING WALL

STRIPING (CONTINUOUS WHITE) — WHITE

STRIPING (DASHED WHITE) — WHITE

STRIPING (CONTINUOUS YELLOW) — YELLOW

STRIPING (DASHED YELLOW) — YELLOW

TOP OF SLOPE — 4570

CONTOUR LINES (SHOWN BETWEEN TOP & TOE) — 4580

TOE OF SLOPE — 4570

TRAFFIC DETECTOR LOOP

UTILITY LINE (ABANDON) (THIS CASE A WATER LINE) — (ABANDON)

UTILITY LINE (CABLE TV) — TV

UTILITY LINE (ELECTRIC) — E

UTILITY LINE (FIBER OPTIC) — FO QWEST FO

UTILITY LINE (GAS) — G 1 1/4" MW G

UTILITY LINE (HIGH VOLTAGE OVERHEAD POWER) — HVOHP

UTILITY LINE (OVERHEAD POWER) — OHP

UTILITY LINE (OVERHEAD TELEPHONE) — OHT

UTILITY LINE (SANITARY SEWER) — 8" SAN

UTILITY LINE (SANITARY SEWER FORCE MAIN) — 8" FM

UTILITY LINE (SANITARY SEWER SERVICE) — SS

UTILITY LINE (STORM SEWER) — 8" STM

UTILITY LINE (STORM SEWER, PERFORATED) — 8" PERF

UTILITY LINE (STORM/SANITARY SEWER SEWER COMBINATION) — 18" COMB

UTILITY LINE (TELEPHONE) — T

UTILITY LINE (WATER) — W 8" W

SYMBOLS

BENCH MARK
CATCH BASIN
CLEAN OUT
CURB STOP
FIRE HYDRANT
GUY WIRE ANCHOR
HEADGATE
IRRIGATION PUMP
MAILBOX
MANHOLE (ELECTRIC)
MANHOLE (GAS)
MANHOLE (SANITARY/STORM)
MANHOLE (TELEPHONE)
MANHOLE (TV)
MANHOLE (WATER)
METER (GAS)
METER (WATER)
PEDESTAL (TELEPHONE)
PEDESTAL (TV)
PROPERTY PIN
PULL BOX
REDUCER FITTING
SIGN OR POST (SIGN TYPE NOTED) — STOP
SPRINKLER HEAD
STREET LIGHT
SURVEY MONUMENT (CITY) — CSM
SURVEY MONUMENT (TYPE NOTED) — MCSM
TEST HOLE — TH #1
TRAFFIC PAINT MARKING
TRAFFIC SIGNAL POLE AND MAST ARM
UTILITY POLE
VALVE (GAS)
VALVE (IRRIGATION)
VALVE (WATER)
VEGETATION (HEDGE OR BUSH)
VEGETATION (TREE STUMP)
VEGETATION (TREE) (CALIPER SIZE NOTED)
WATER HYDRANT
WEIR
YARD LIGHT

NORTH ARROW:

BAR SCALE:
GRAPHIC SCALE

10 0 40 120

(IN FEET)
1 inch = 40 ft.

N:\Cadd\CITY STANDARDS\DRAFTING STANDARDS\dwg\Civil 3D\Civil 3d 2016\city standards_2016.DWG, 7/13/2016 7:37:48 AM

REVISION	DESCRIPTION	DATE
REVISION 1		
REVISION 2		
REVISION 3		
REVISION 4		

DRAWN BY JCS DATE 4-02
DESIGNED BY DATE
CHECKED BY DATE
APPROVED BY DATE

SCALES: PLAN & PROFILE HORIZONTAL 0 5 10 20 VERTICAL 0 5 10 20

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

CITY OF GRAND JUNCTION
STANDARD ABBREVIATIONS, LEGEND, AND SYMBOLS

2

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\SUMMARY OF APPROXIMATE QUANTITIES.dwg, 7/13/2016 7:49:06 AM

NOTES:

JUST A PLACE HOLDER IN THE PLAN SET FOR NOW

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

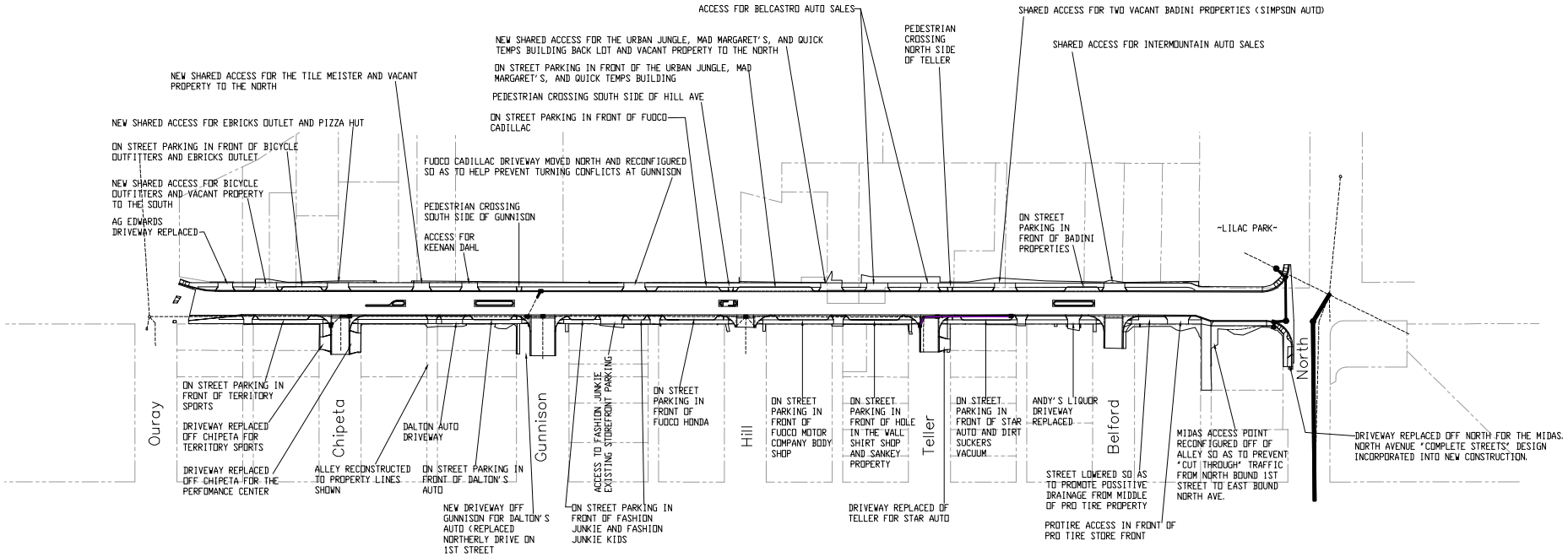
SCALES:
PLAN & PROFILE
HORIZONTAL 0 50 100 200
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
SUMMARY OF APPROXIMATE QUANTITIES

PROJECT NO. 201-F1501



NOTES:

-CONTINUOUS DETACHED SIDEWALK FROM OURAY TO ALLEY NORTH OF BELFORD BOTH SIDES OF 1ST STREET

-IN ADDITION TO VEHICULAR TRAVEL LANES (1 EACH NORTH AND SOUTH BOUND) THERE WILL BE BIKE LANES ON BOTH SIDES OF 1ST STREET FROM OURAY TO NORTH

-STREETSCAPING IN MEDIANS AND ISLANDS

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 50 100 200
VERTICAL 0 NA NA NA

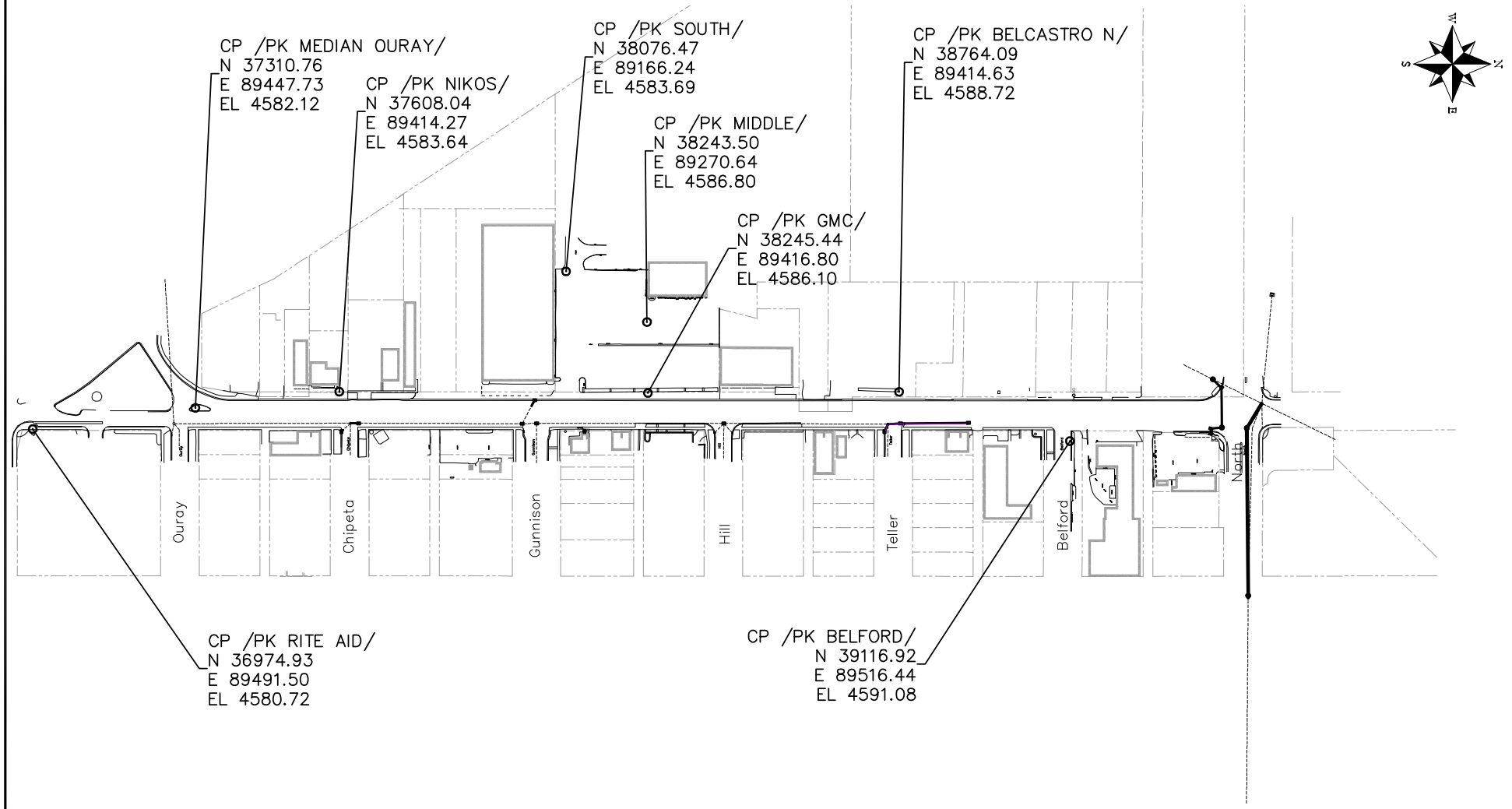
CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
PROJECT OVERVIEW

4

PROJECT NO. 201-F1501



DESCRIPTION	DATE
REVISION 1 XXX	– 201X
REVISION 2 XXX	– 201X
REVISION 3 XXX	– 201X
REVISION 4 XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 50 100 200
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
PROJECT CONTROL MAP

5

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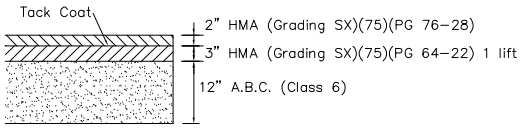
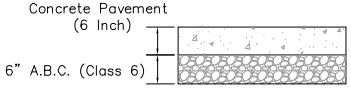
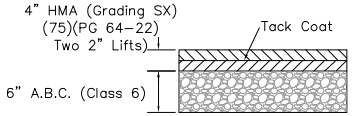


ROADWAY ASPHALT PAVEMENT DETAIL
(All Connecting Streets except North)



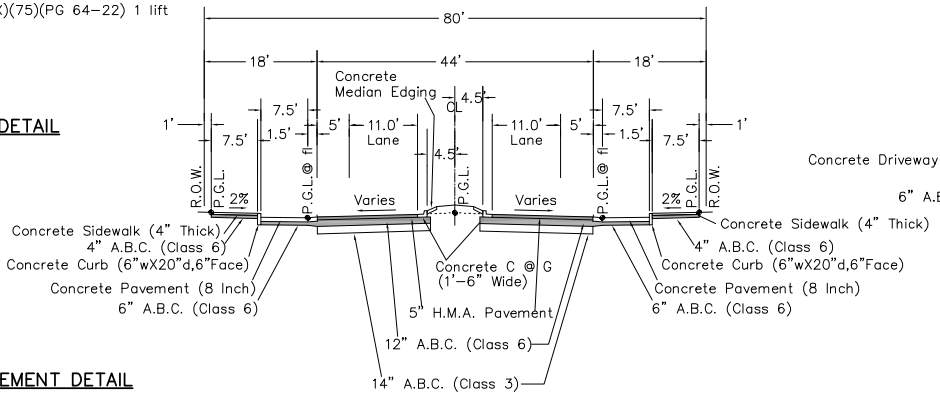
DRIVEWAY CONCRETE PAVEMENT DETAIL

TERRITORY SPORTS
URBAN JUNGLE THRIFT
MAD MARGARET'S
QUICK TEMPS
NORTH OF HOLE IN THE WALL SHIRT SHOP

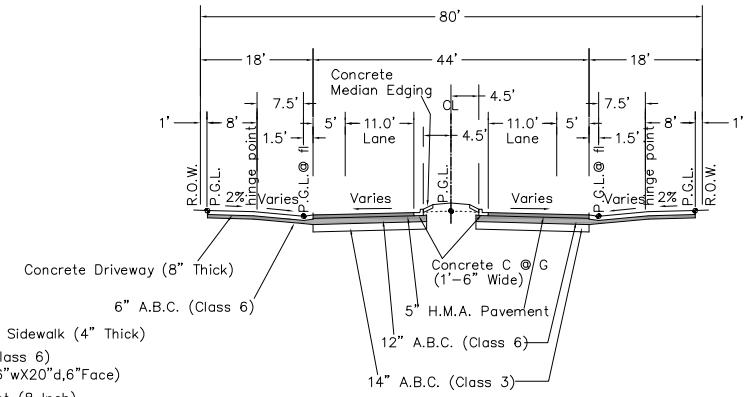


DRIVEWAY ASPHALT PAVEMENT DETAIL

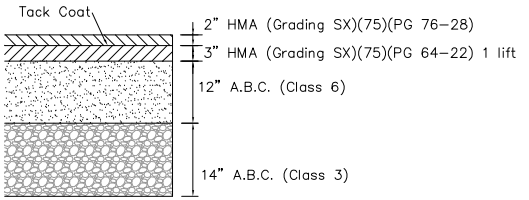
EDWARD JONES INVESTMENTS
BICYCLE OUTFITTERS
eBRICKS OUTLET
PIZZA HUT
TERRITORY SPORTS
PERFORMANCE CENTER
TILE MEISTER
KEENAN DAHL
FUOCO CADILLAC
DALTON'S AUTO
FASHION JUNKIE
BELCASTRO MOTORS
HILL TELLER ALLEY
NORTH OF HOLE IN THE WALL SHIRT SHOP
BADINI PROPERTIES
INTER MOUNTAIN AUTO SALES
ANDY'S LIQUOR
PRO TIRE AND ALIGNMENT
MIDAS



1st Street
On Street Parking Section

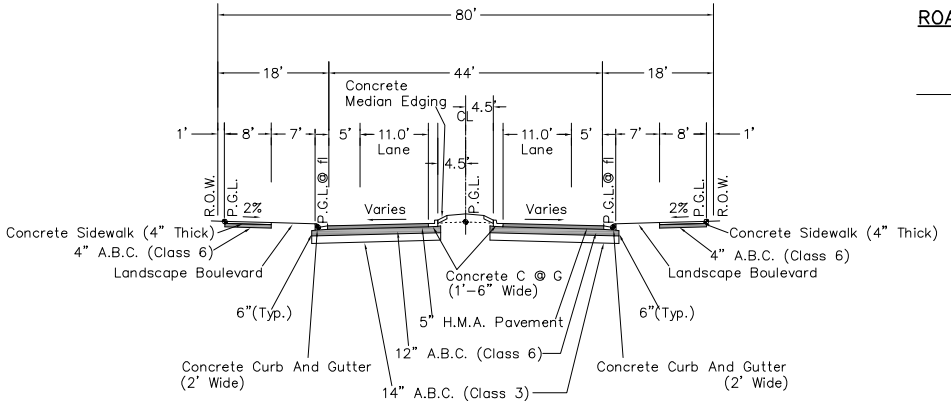


1st Street
Driveway/Detached Sidewalk Section



In North Ave Storm Drain Pipe
Shall have Pitrun or Class 3 up to
Roadway Subgrade

ROADWAY ASPHALT PAVEMENT DETAIL
(1ST Street and North Ave)



1st Street
Landscape Boulevard Section

Notes:

- Any Combination Of Landscape Boulevard, On Street Parking, Or Driveway/detached Sidewalk May Occur At Any Given Station Outside Of The 5' Bike Lane. See The Roadway Plan And The Staking Plan For Specific Beginning And Ending Stations. Sections Are Shown Symmetrical For Ease Of Illustration.
- Extend Full Pavement Base Section 6" Beyond Back Of Curbs (Typical)
- See Landscape Plans For Work Between Sidewalk and Back of Curb (Landscape Boulevard) and Medians
- See Pavement Plan For Extents Of Concrete Pavement and Asphalt Pavement Sections.
- See Roadway Plan and Striping Plan for Painted Median in lieu of Curbed Median

TYPICAL SECTION NOTES

P.G.L.	~	Profile Grade Line
P.C.C.P.	~	Portland Cement Concrete Pavement
H.M.A.	~	Hot Mix Asphalt
A.B.C.	~	Aggregate Base Course

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

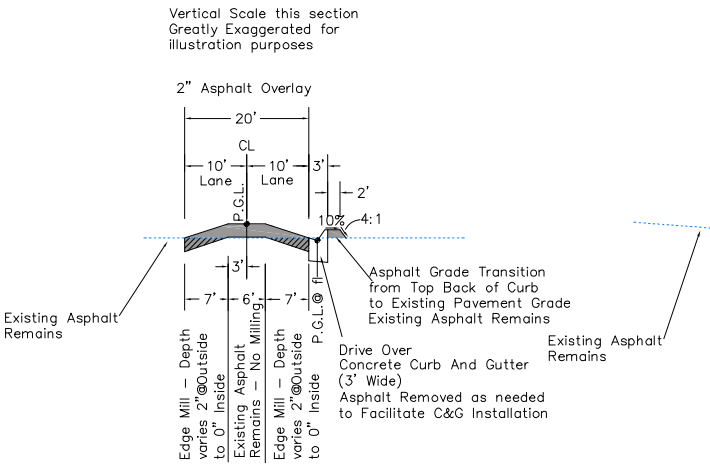
DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE HORIZONTAL 0 5 20 VERTICAL 0 NA NA NA

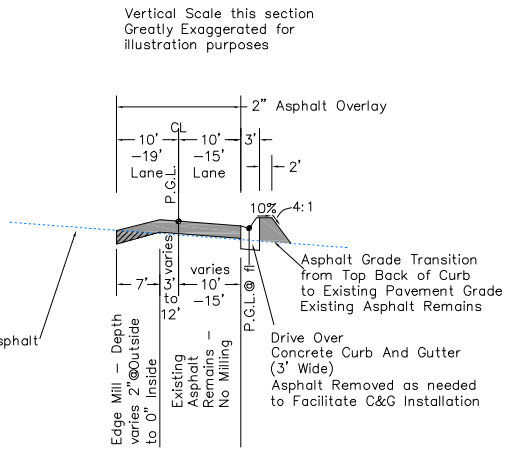
CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

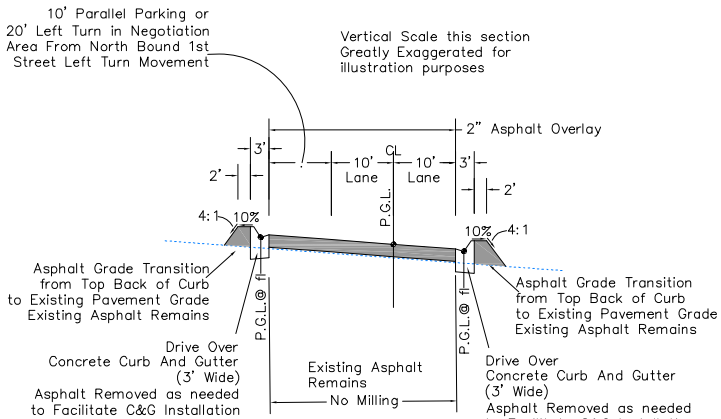
1ST STREET RECONSTRUCTION
TYPICAL CROSS SECTIONS



Fuoco Driveway
CL Sta 0+00 to 1+00



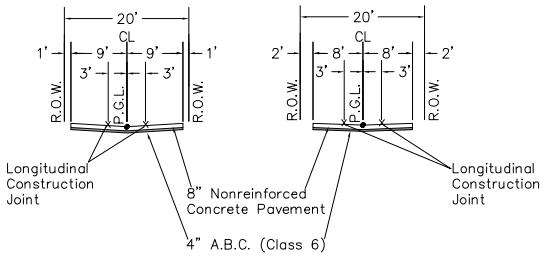
Fuoco Driveway
CL Sta 1+00 to 1+44



Fuoco Driveway
CL Sta 1+44 to 2+85

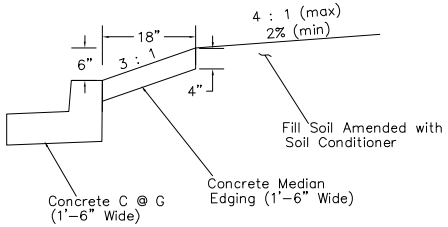
TYPICAL SECTION NOTES

P.G.L.	~	Profile Grade Line
P.C.C.P.	~	Portland Cement Concrete Pavement
H.M.A.	~	Hot Mix Asphalt
A.B.C.	~	Aggregate Base Course

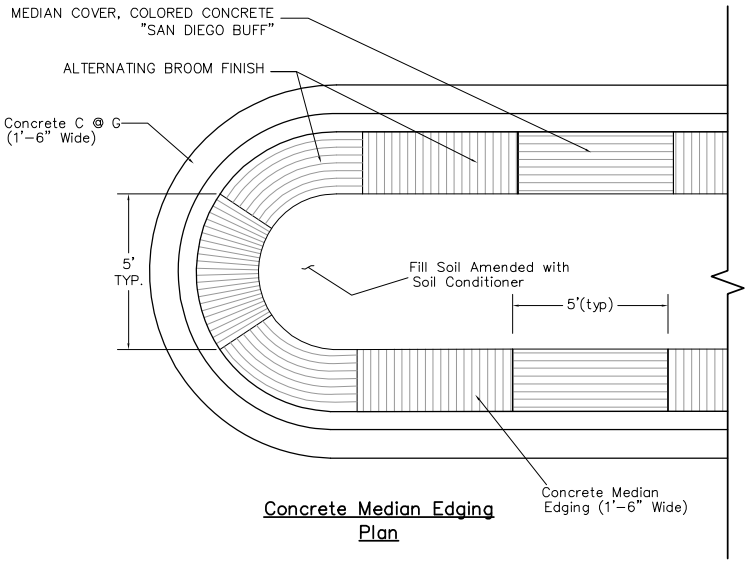


Belford/North Alley

Chipeta/Gunnison Alley



Concrete Median Edging
Section



Concrete Median Edging
Plan

DESCRIPTION	DATE
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REVISION ⚠ XXX	- 201X
REVISION ⚠ XXX	- 201X
REVISION ⚠ XXX	- 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE HORIZONTAL 0 5 10 20 VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
TYPICAL CROSS SECTIONS

7

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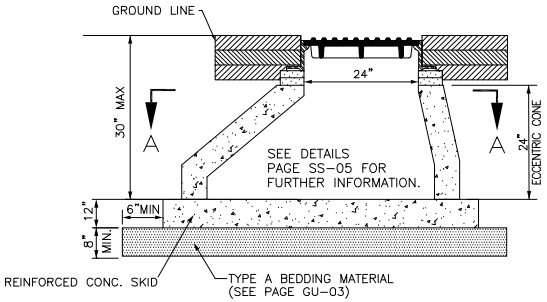
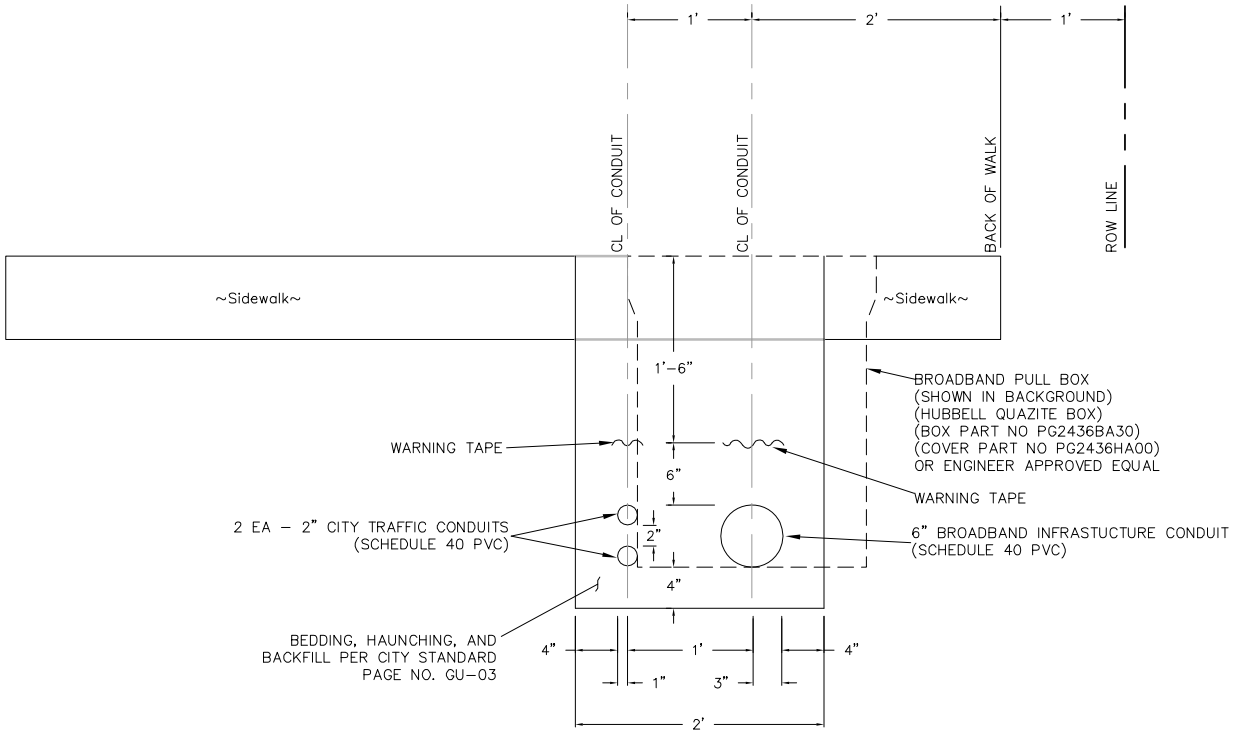


CITY TRAFFIC MANHOLE



TYPICAL CONDUIT JOINT TRENCH DETAIL

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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

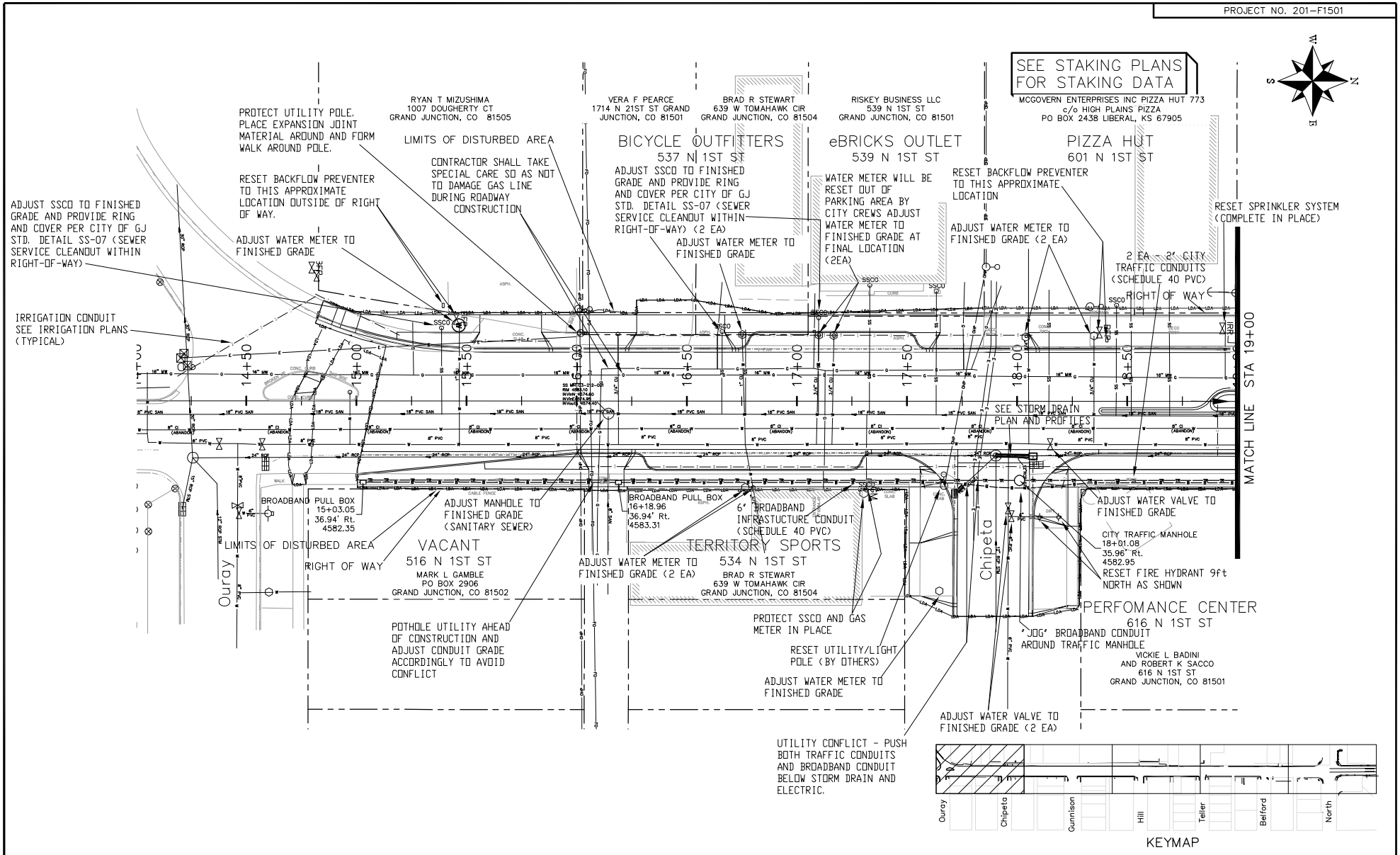
SCALES:
PLAN & PROFILE
HORIZONTAL 0 NA 1" NA
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
UTILITY DETAILS

PROJECT NO. 201-F1501



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DRAWN BY	JCS	DATE	2016
DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
UTILITY PLAN
STA 14+00 TO STA 19+00

9

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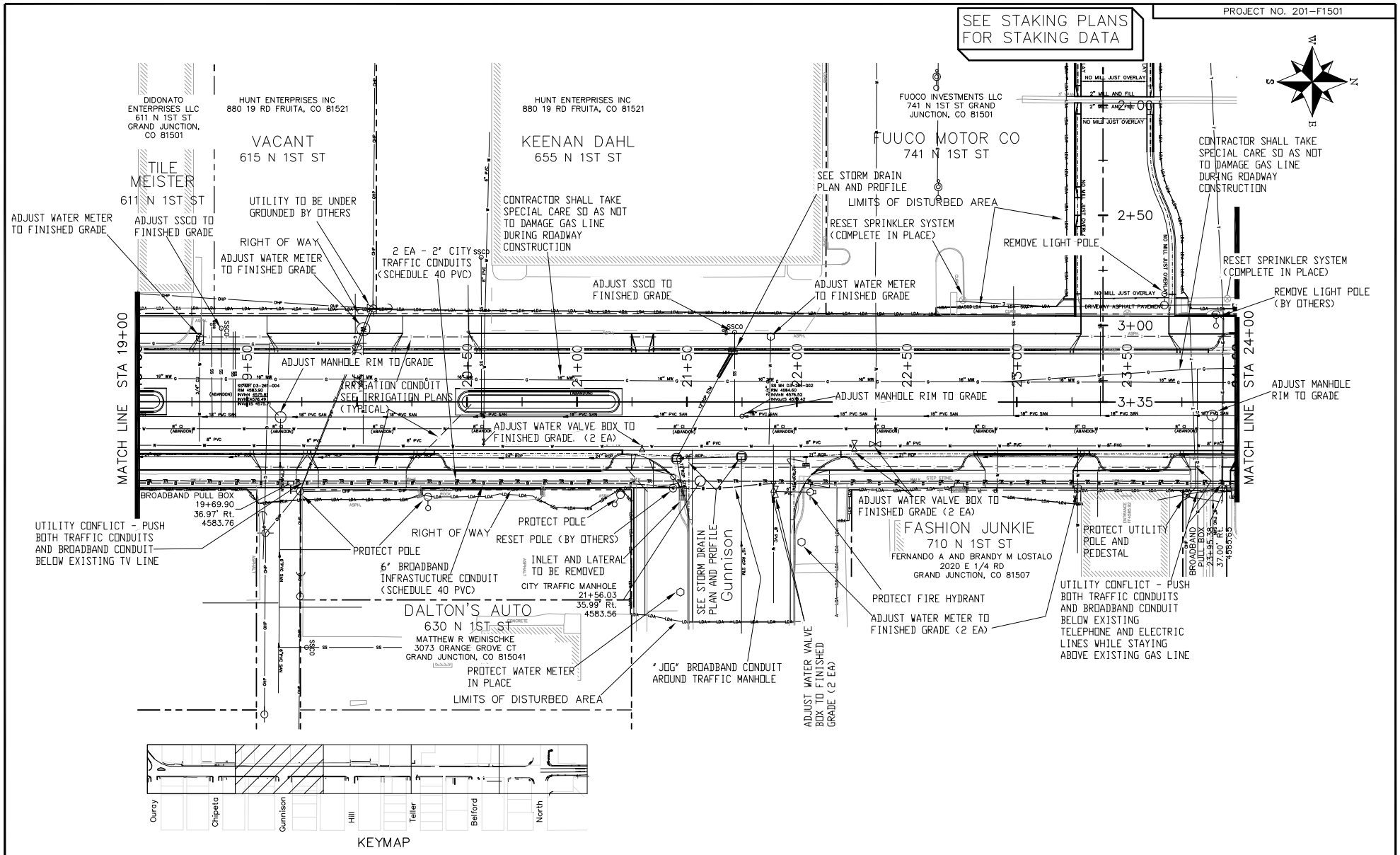

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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY	JCS	DATE	2016
DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES: PLAN & PROFILE HORIZONTAL 0 20 40 VERTICAL 0 NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
UTILITY PLAN
STA 19+00 TO STA 24+00

10

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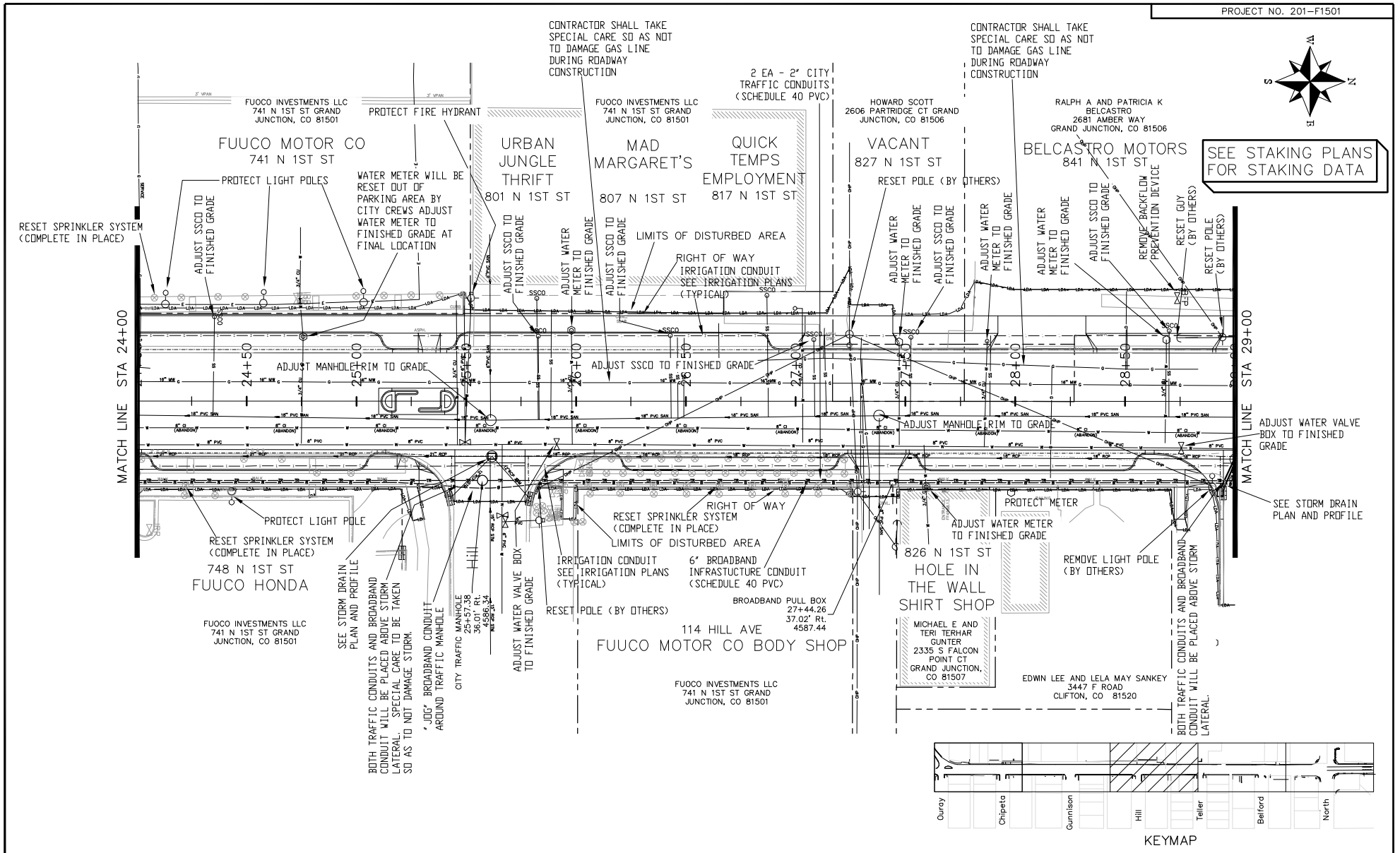

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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
UTILITY PLAN
STA 24+00 TO STA 29+00

11

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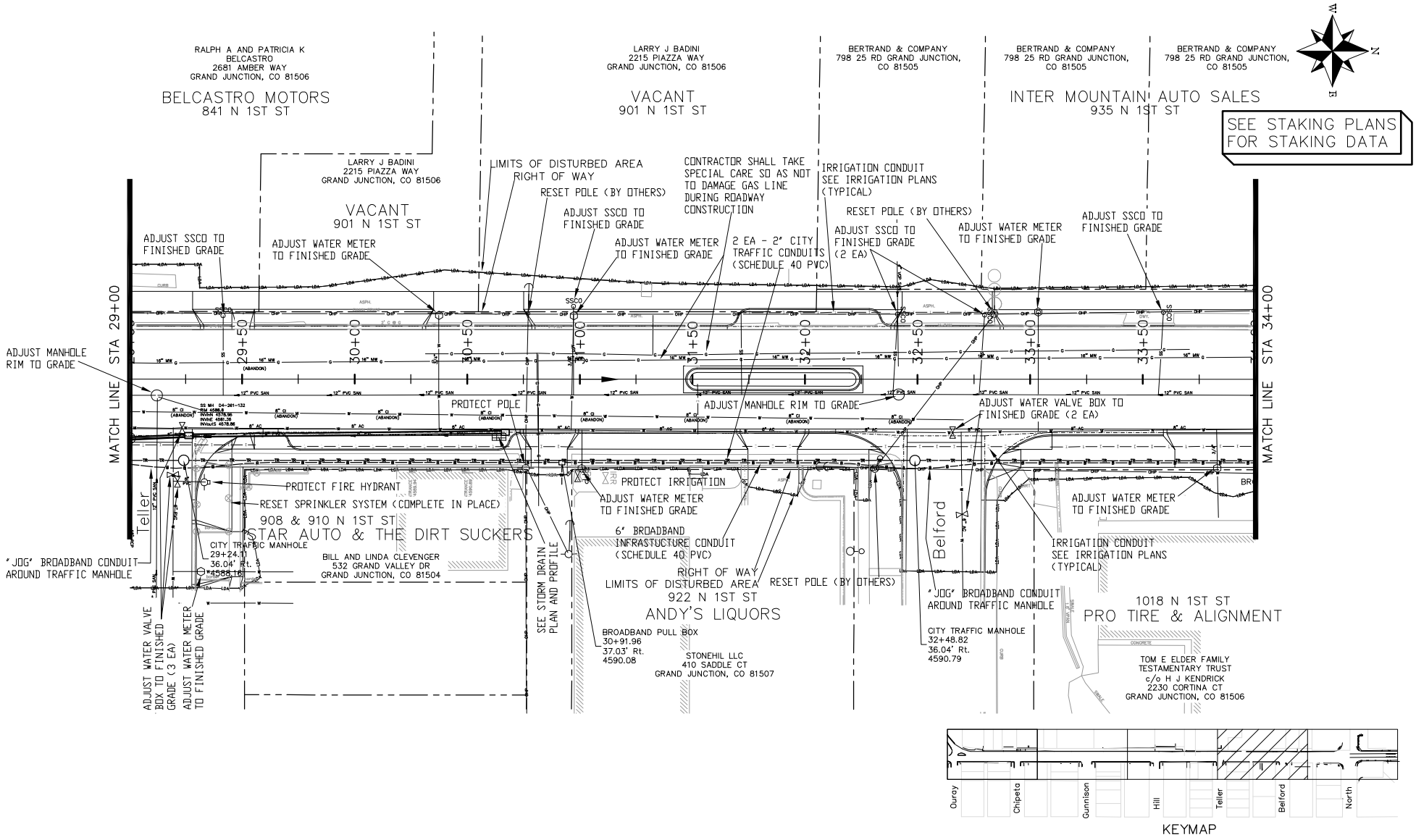
PROJECT NO. 201-F1501



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DRAWN BY	JCS	DATE	2016
DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
UTILITY PLAN
STA 29+00 TO STA 34+00

12

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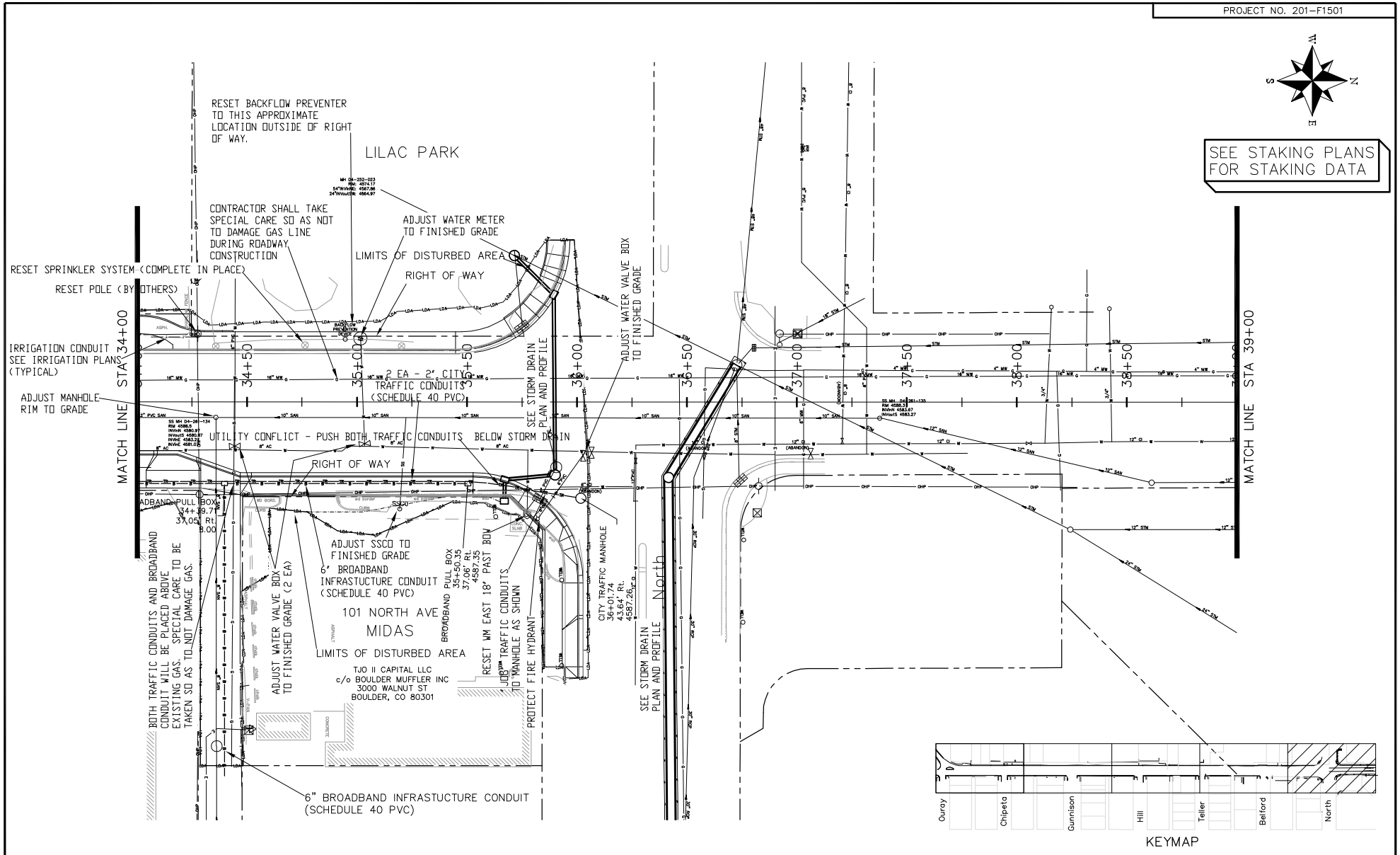
PROJECT NO. 201-F1501



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DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
UTILITY PLAN
STA 34+00 TO STA 39+00

13

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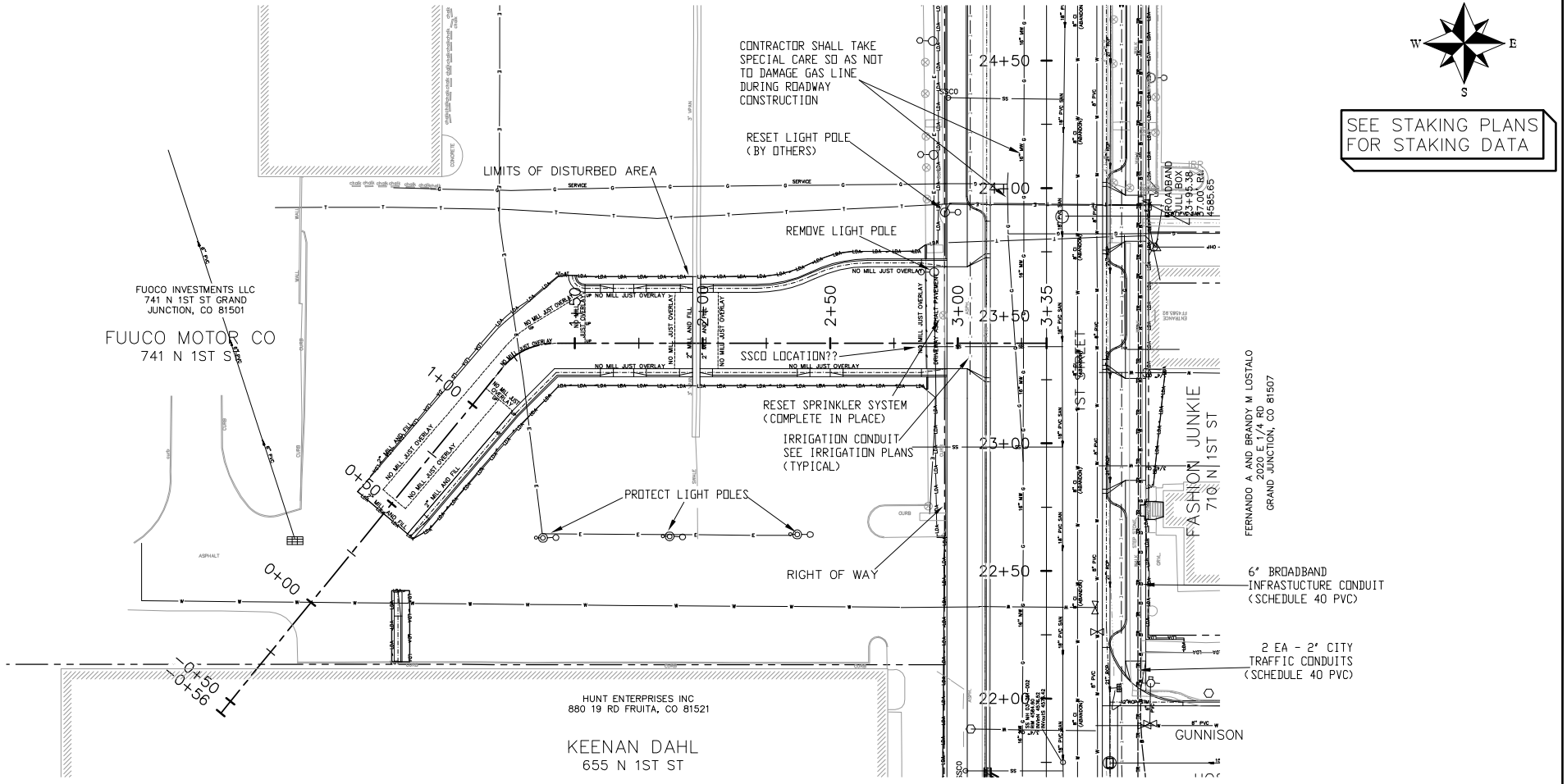
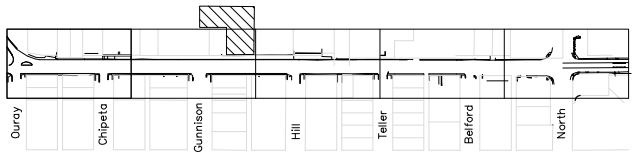
PROJECT NO. 201-F1501



SEE STAKING PLANS FOR STAKING DATA



KEYMAP

DESCRIPTION	DATE
REVISION 1 XXX	201X
REVISION 2 XXX	201X
REVISION 3 XXX	201X
REVISION 4 XXX	201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
UTILITY PLAN
FUOCO CADILLAC

14

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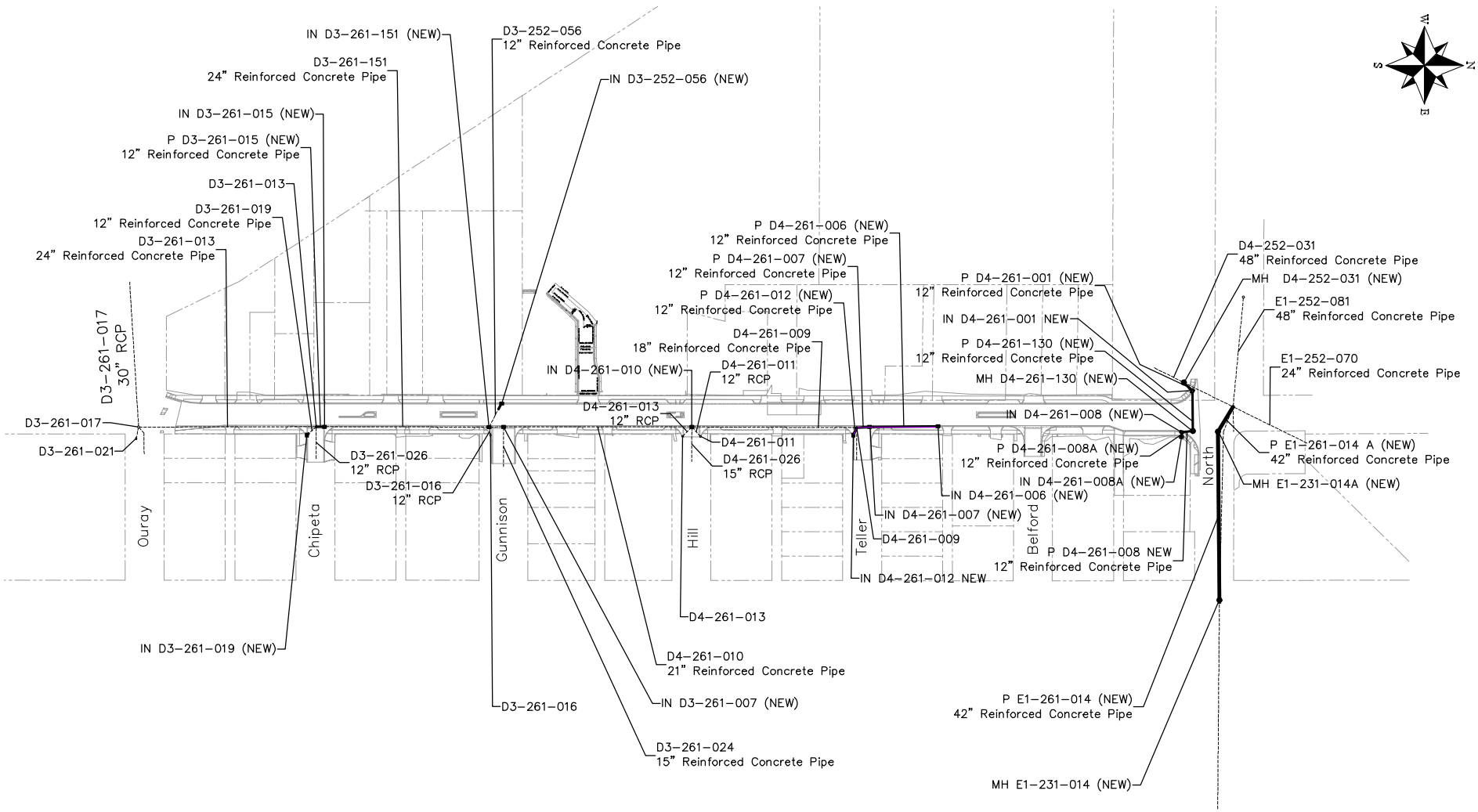
PROJECT NO. 201-F1501



DESCRIPTION	DATE
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REVISION XXX	201X
REVISION XXX	201X
REVISION XXX	201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 50 100 200
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM DRAIN
VICINITY MAP

15

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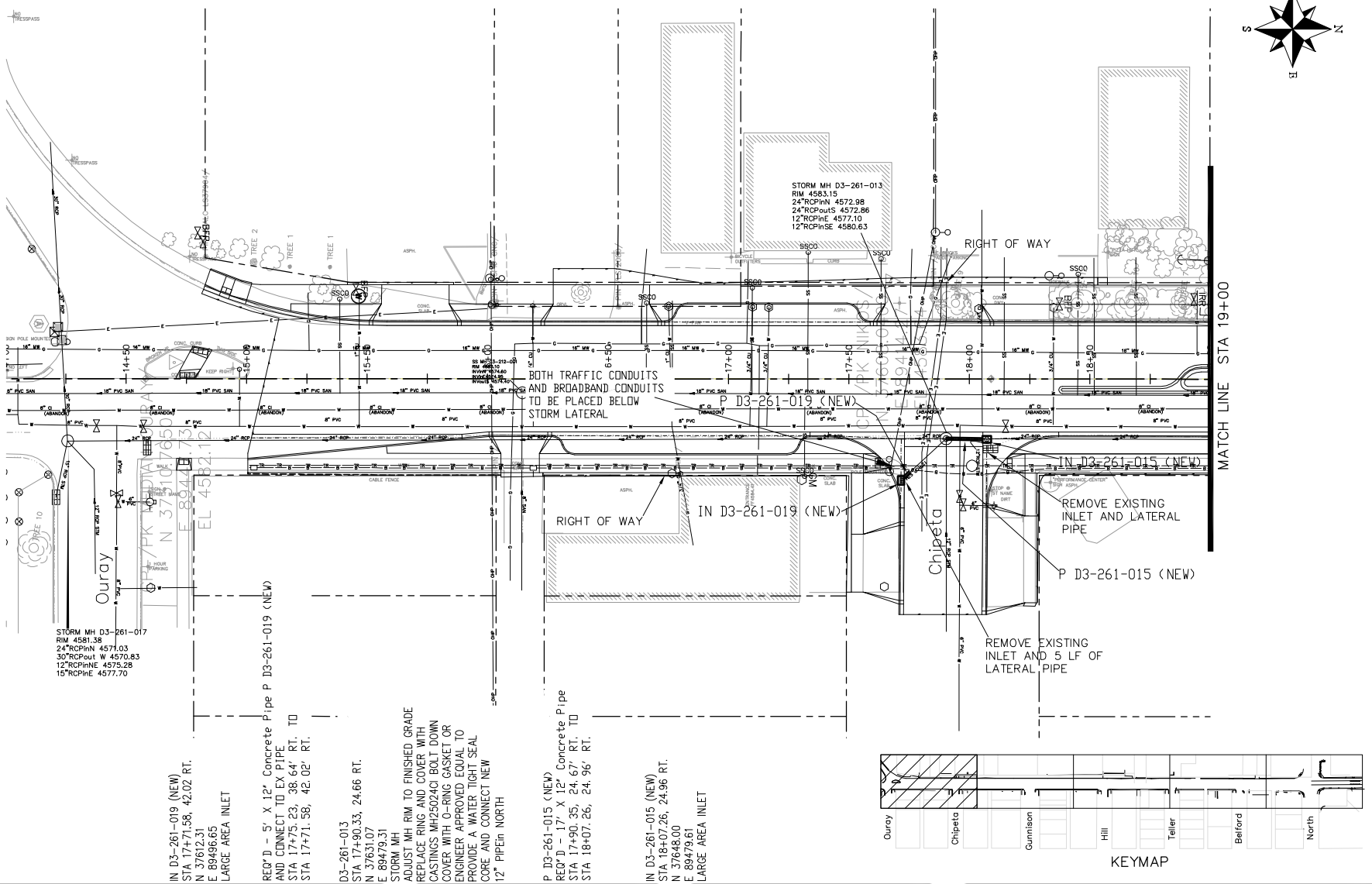
PROJECT NO. 201-F1501



DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY	JCS	DATE	2016
DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM DRAIN PLAN
STA 14+00 TO STA 19+00

16

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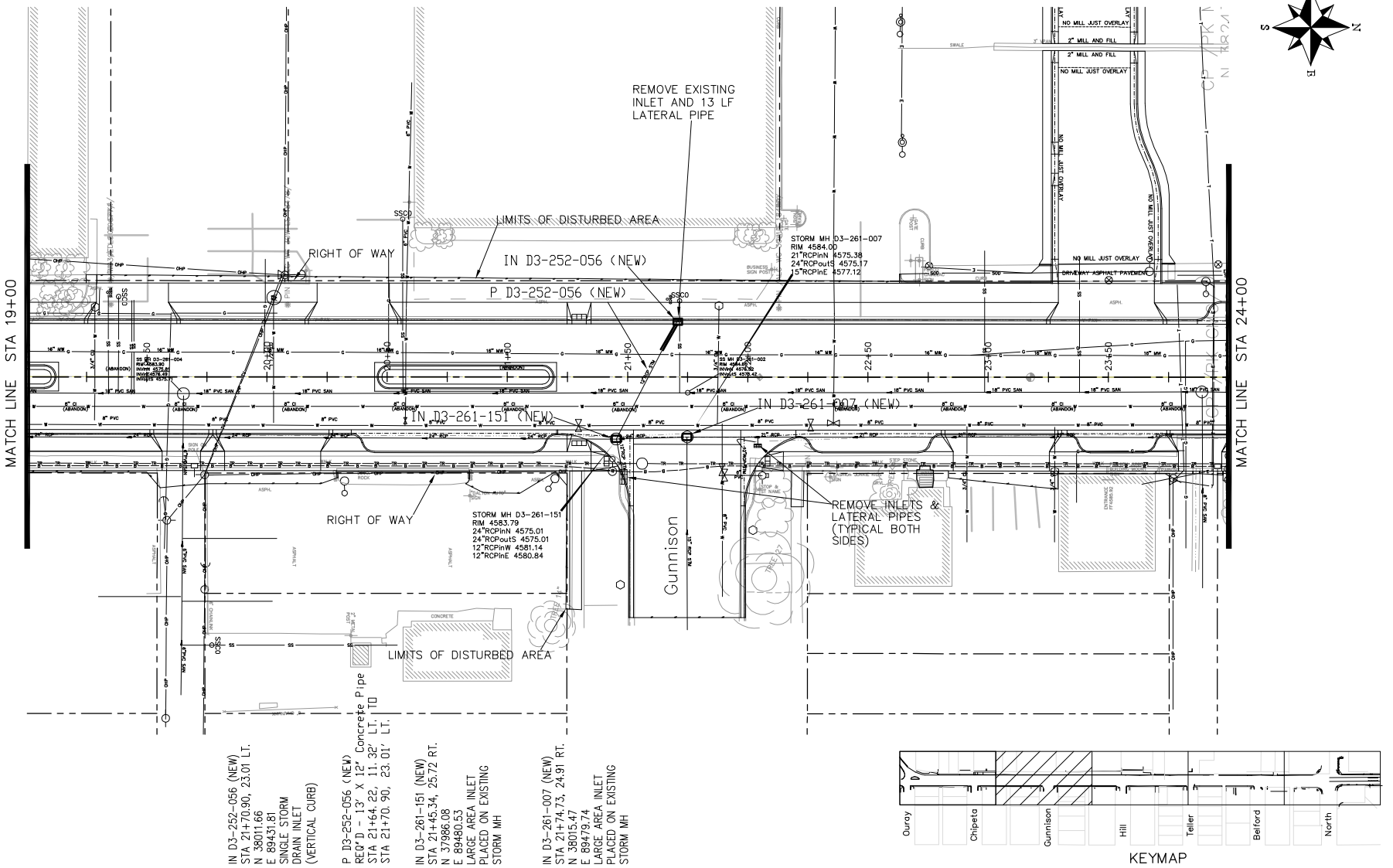
PROJECT NO. 201-F1501



IN D3-252-056 (NEW)
STA 21+70.90, 23.01 LT.
N 38011.66
E 89431.81
SINGLE STORM
DRAIN INLET
(VERTICAL CURB)

P D3-252-056 (NEW)
RE'D - 13' X 12" Concrete Pipe
STA 21+64.22, 11.32' LT. TO
STA 21+70.90, 23.01' LT.

IN D3-261-151 (NEW)
STA 21+45.34, 25.72 RT.
N 37986.08
E 89480.53
LARGE AREA INLET
PLACED ON EXISTING
STORM MH

IN D3-261-007 (NEW)
STA 21+74.73, 24.91 RT.
N 38015.47
E 89479.74
LARGE AREA INLET
PLACED ON EXISTING
STORM MH

KEYMAP

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM DRAIN PLAN
STA 19+00 TO STA 24+00

17

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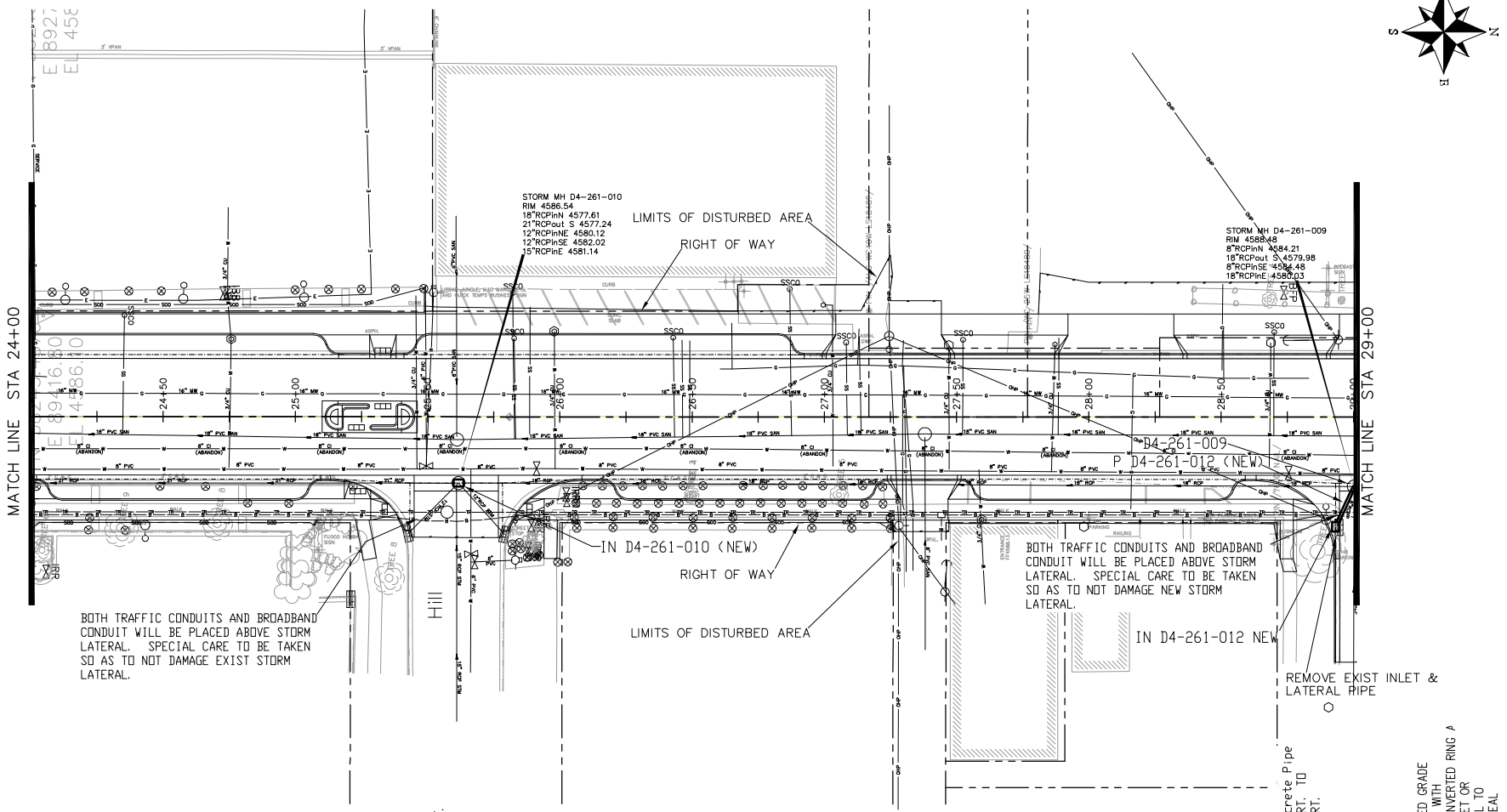
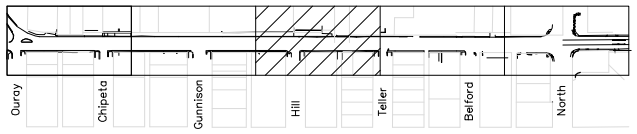
PROJECT NO. 201-F1501



IN D4-261-010 (NEW)
STA 25+61.71, 25.02 RT.
N 38402.46
E 89479.98
LARGE AREA INLET
PLACED ON EXISTING
STORM MH



KEYMAP

IN D4-261-012 NEW
STA 28+93.30, 41.48 RT.
N 38734.04
E 89496.52
LARGE AREA INLET

P D4-261-012 (NEW)
REQ'D - 17' X 12" Concrete Pipe
STA 29+00.27, 26.33' RT. TO
STA 28+93.30, 41.48' RT.

D4-261-009
STA 29+00.22, 26.29 RT.
N 38740.96
E 89481.34
STORM MH
ADJUST MH RIM TO FINISHED GRADE
REPLACE RING AND COVER WITH
CASTINGS #H2502AOIFPB INVERTED RING A
COVER WITH O-RING GASKET OR
ENGINEER APPROVED EQUAL TO
PROVIDE A WATER TIGHT SEAL
CORE AND CONNECT NEW
12" PIPEin NORTH AND SOUTH EAST

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

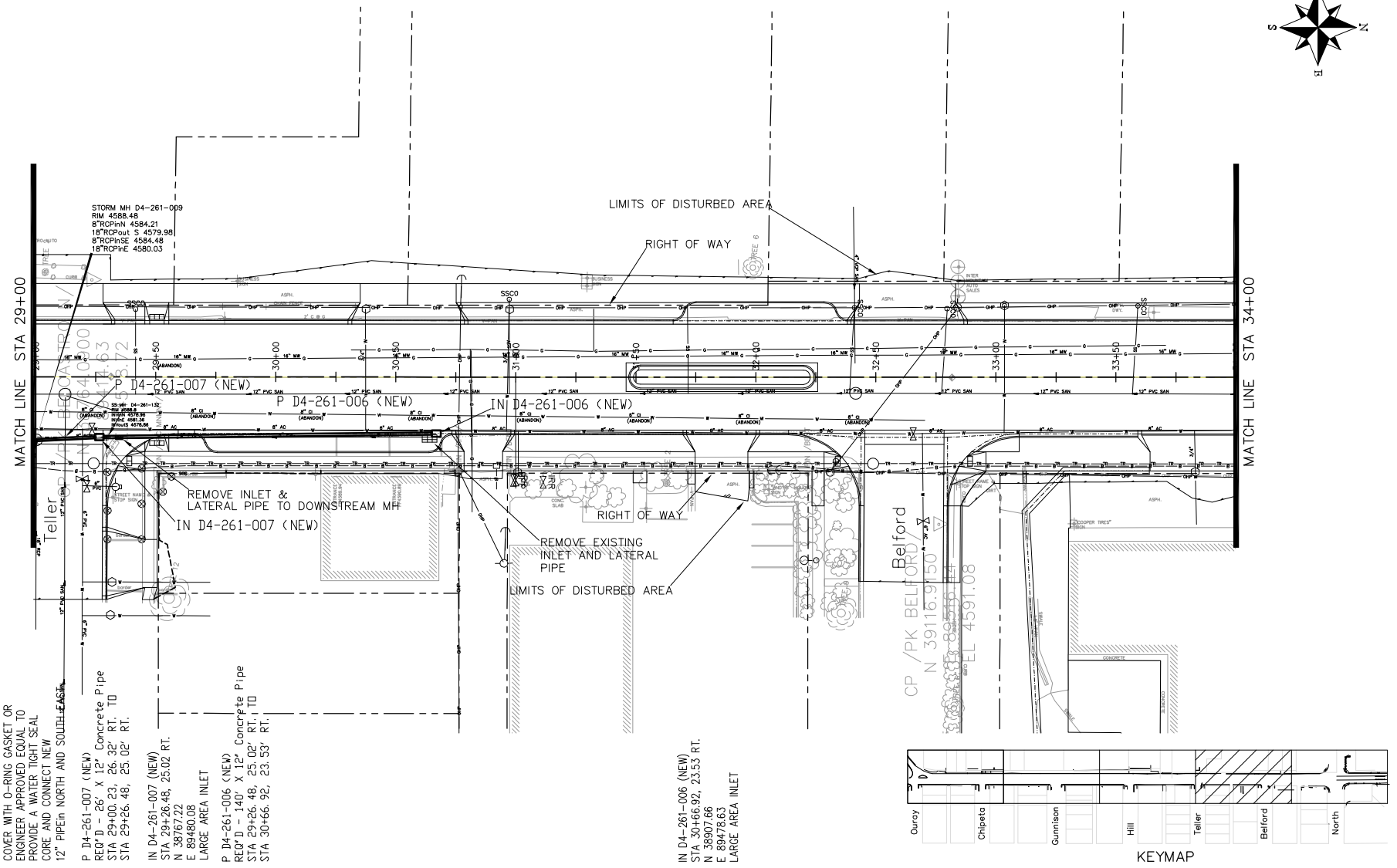
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM DRAIN PLAN
STA 24+00 TO STA 29+00

18

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\DESIGN\STORM DRAIN PLAN AND PROFILE.dwg, PLAN 003, 12/15/2016 8:19:30 AM

PROJECT NO. 201-F1501



DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

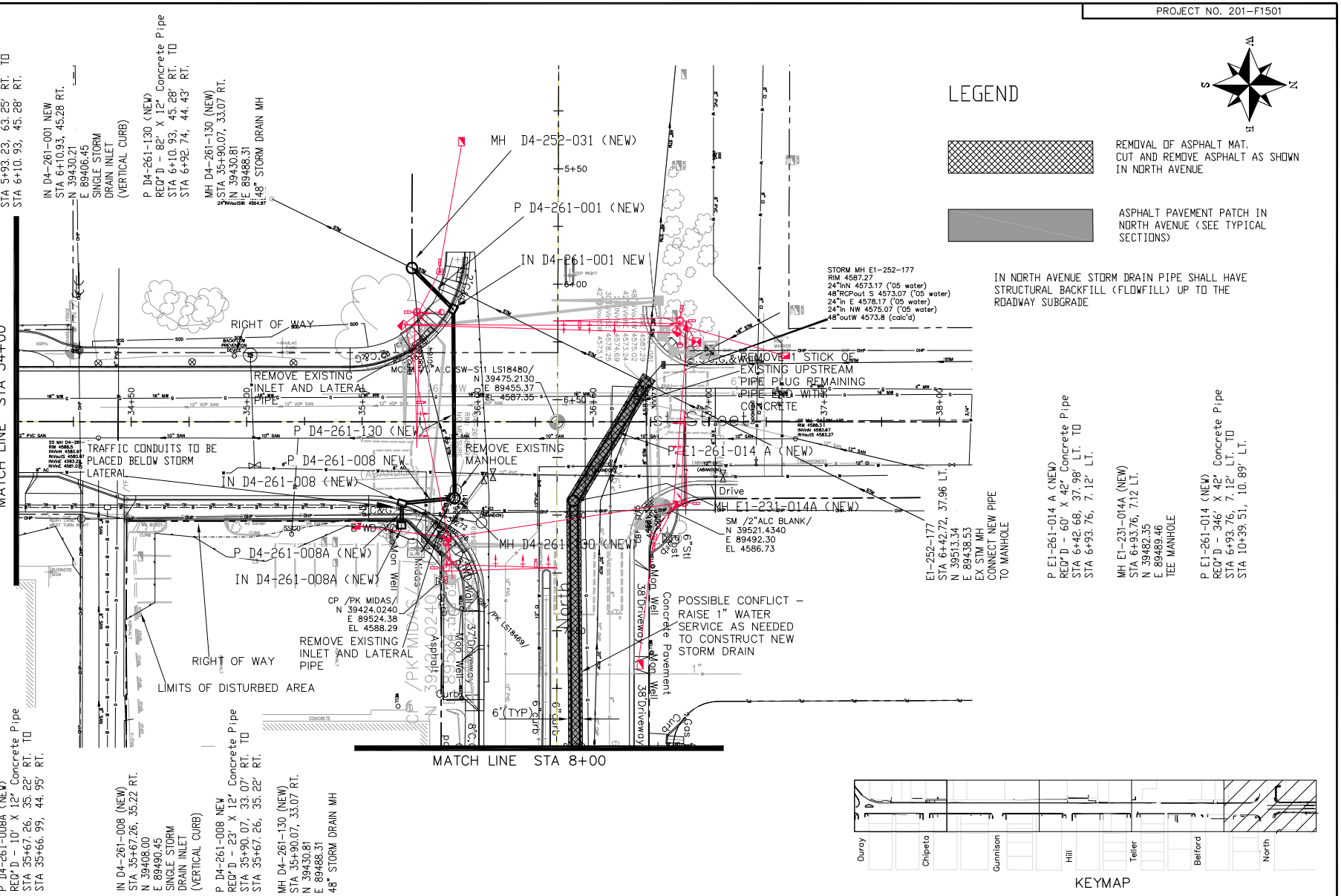
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM DRAIN PLAN
STA 29+00 TO STA 34+00

19

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\DESIGN\STORM DRAIN PLAN AND PROFILE.dwg, PLAN 004, 12/16/2016 6:19:54 AM

PROJECT NO. 201-F1501



N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\DESIGN\STORM DRAIN PLAN AND PROFILE.dwg, 8/31/2016 6:20:57 AM

DESCRIPTION	DATE
REVISION XXX	201X
REVISION XXX	201X
REVISION XXX	201X
REVISION XXX	201X

DRAWN BY	JCS	DATE	2016
DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES: PLAN & PROFILE HORIZONTAL 1" = 20' (0, 10, 20, 40) VERTICAL 1" = NA (0, NA, NA, NA)

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM DRAIN PLAN
STA 34+00 TO STA 39+00

20

PROJECT NO. 201-F1501

LEGEND

REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN IN NORTH AVENUE

ASPHALT PAVEMENT PATCH IN NORTH AVENUE (SEE TYPICAL SECTIONS)

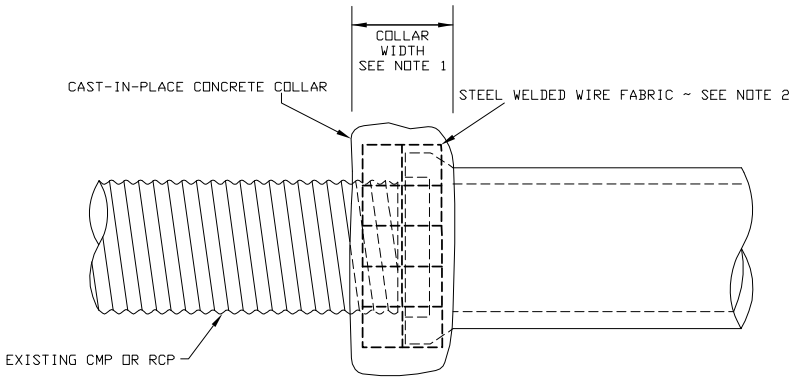
IN NORTH AVENUE STORM DRAIN PIPE SHALL HAVE STRUCTURAL BACKFILL (FLOWFILL) UP TO THE ROADWAY SUBGRADE

NOTES:

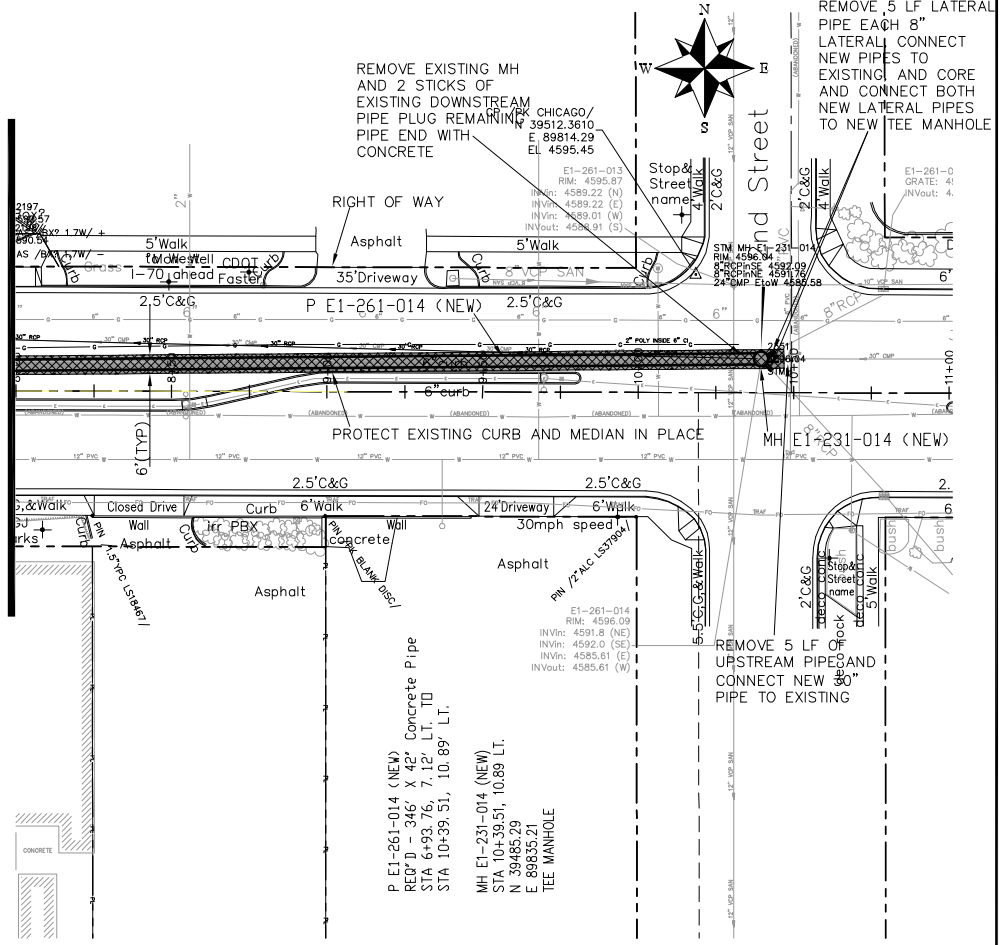
1. The Concrete Collar width shall be one half of the outside pipe diameter of the largest pipe. The minimum Concrete Collar width shall be 12". Concrete Collars may be used with all pipe materials and diameters. The Concrete Collar shall only be used to make pipe connections as specified on the plans.
2. Steel Welded Wire Fabric shall be in accordance with CDOT Standard Specification 602. Install two wraps for size x 6 x W.14 (10 Gage) Steel Welded Wire Fabric or one wrap for any of the following sizes:

   6 x 6 x W2.1 (8 Gage)
   6 x 6 x W2.9 (6 Gage)
   4 x 4 x W2.9 (8 Gage)
   4 x 4 x W4.0 (4 Gage)

3. Concrete collars will not be paid for separately, but shall be included in the cost of the pipe installation.



CONCRETE COLLAR
(TYPICAL PIPE TO PIPE CONNECTION)



KEYMAP

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE HORIZONTAL 0 20 40 VERTICAL 0 NA NA

CITY OF Grand Junction COLORADO

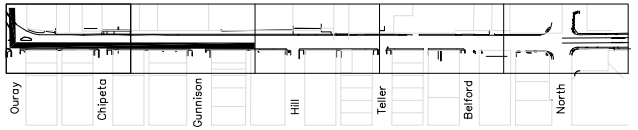
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

NORTH AVENUE STORM DRAIN
STORM DRAIN PLAN
STA 8+00 TO 11+00

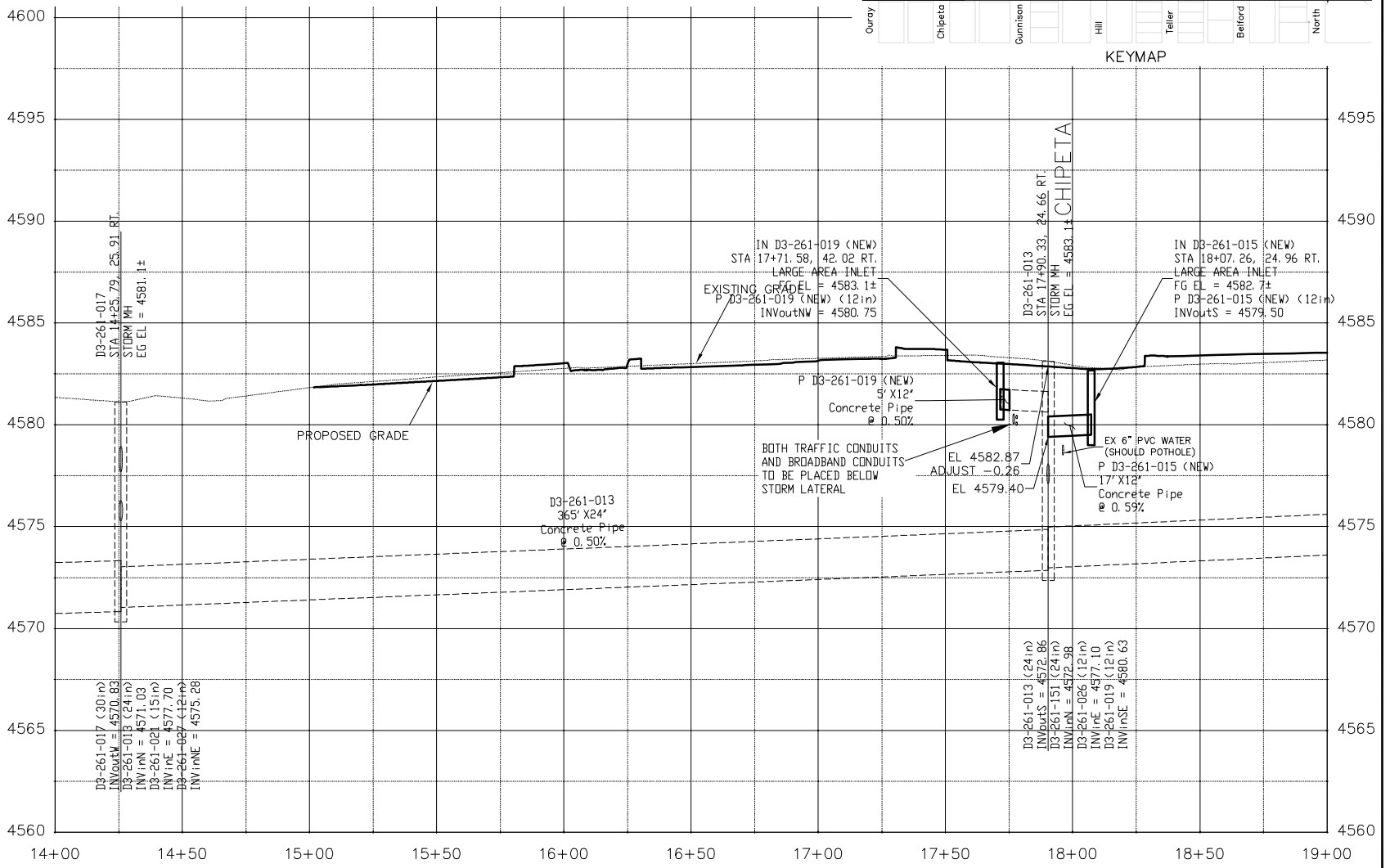
21

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\DESIGN\STORM DRAIN PLAN AND PROFILE.dwg, 8/12/2016 8:10:39 AM

PROJECT NO. 201-F1501



KEYMAP



PROFILE VIEW: EX STORM MAIN IN 1ST STREET (1) from 14+00.00 to 19+00.00

DESCRIPTION	DATE
REVISION 1 XXX	– 201X
REVISION 2 XXX	– 201X
REVISION 3 XXX	– 201X
REVISION 4 XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

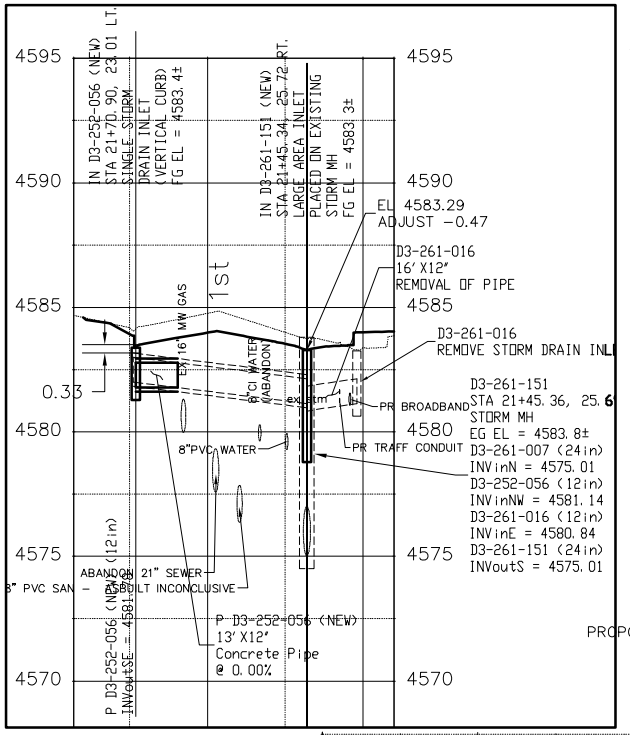
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

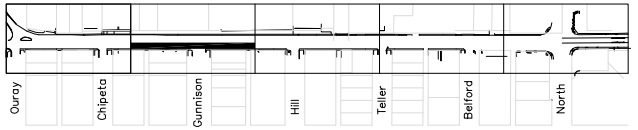
1ST STREET RECONSTRUCTION
STORM DRAIN PROFILE
STA 14+00 TO STA 19+00

22

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\DESIGN\STORM DRAIN PLAN AND PROFILE.dwg, 8/12/2016 8:11:27 AM

PROJECT NO. 201-F1501





KEYMAP

PROFILE VIEW: EX STORM MAIN IN 1ST STREET (2) from 19+00.00 to 24+00.00

DESCRIPTION	DATE
REVISION 1 XXX	– 201X
REVISION 2 XXX	– 201X
REVISION 3 XXX	– 201X
REVISION 4 XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

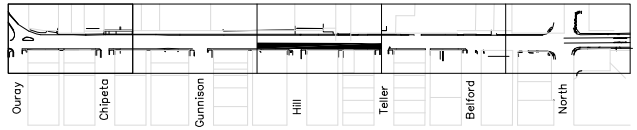
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM DRAIN PROFILE
STA 19+00 TO STA 24+00

23

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\DESIGN\STORM DRAIN PLAN AND PROFILE.dwg, 8/12/2016 8:12:42 AM

PROJECT NO. 201-F1501



KEYMAP

PROFILE VIEW: EX STORM MAIN IN 1ST STREET (3) from 24+00.00 to 29+00.70

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\DESIGN\STORM DRAIN PLAN AND PROFILE.dwg, 8/12/2016 8:13:31 AM

DESCRIPTION	DATE
REVISION 1 XXX	- 201X
REVISION 2 XXX	- 201X
REVISION 3 XXX	- 201X
REVISION 4 XXX	- 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE HORIZONTAL 0 10 20 40 VERTICAL 0 1.25 2.5 5

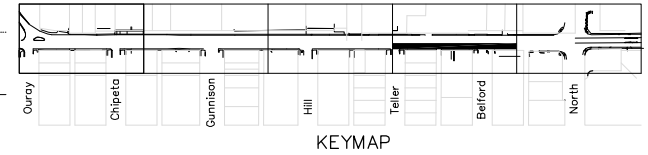
CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM DRAIN PROFILE
STA 24+00 TO STA 29+00

24

PROJECT NO. 201-F1501



KEYMAP

PROFILE VIEW: EX STORM MAIN IN 1ST STREET (4) from 29+00.00 to 34+00.00

DESCRIPTION	DATE
REVISION 1 XXX	– 201X
REVISION 2 XXX	– 201X
REVISION 3 XXX	– 201X
REVISION 4 XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

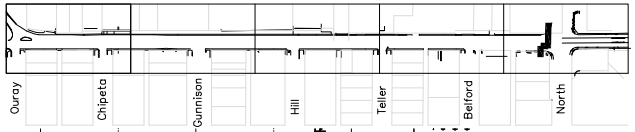
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM DRAIN PROFILE
STA 29+00 TO STA 34+00

25

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\DESIGN\STORM DRAIN PLAN AND PROFILE.dwg, 8/12/2016 8:14:19 AM

PROJECT NO. 201-F1501



KEY MAP

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\DESIGN\STORM DRAIN PLAN AND PROFILE.dwg, 8/12/2016 8:15:32 AM

DESCRIPTION	DATE
REVISION 1 XXX	– 201X
REVISION 2 XXX	– 201X
REVISION 3 XXX	– 201X
REVISION 4 XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

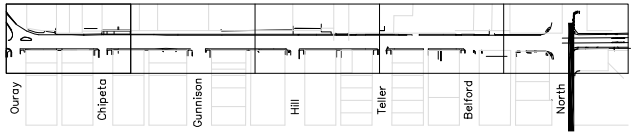
SCALES:
PLAN & PROFILE
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM DRAIN PROFILE
STA 34+00 TO 36+00 & NORTH TO 8+00

PROJECT NO. 201-F1501



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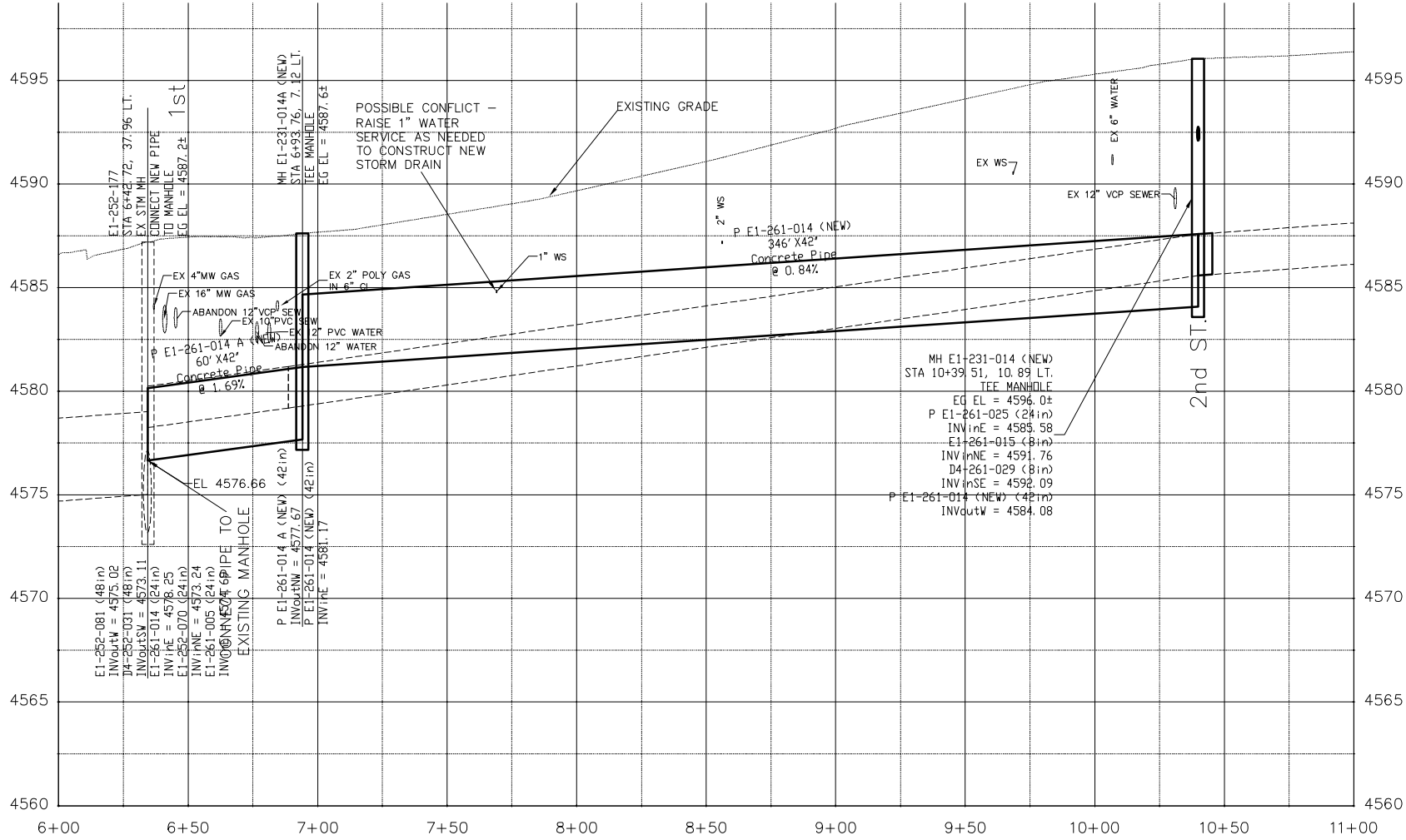


N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\DESIGN\STORM DRAIN PLAN AND PROFILE.dwg, 8/12/2016 8:16:04 AM

DESCRIPTION	DATE
REVISION 1 XXX	- 201X
REVISION 2 XXX	- 201X
REVISION 3 XXX	- 201X
REVISION 4 XXX	- 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

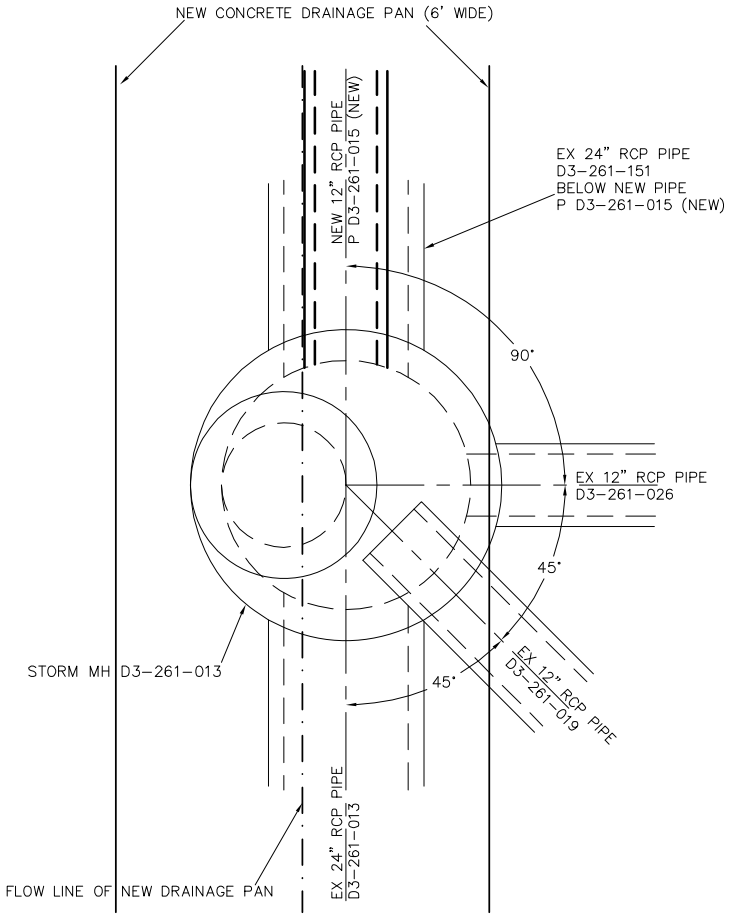
CITY OF Grand Junction COLORADO

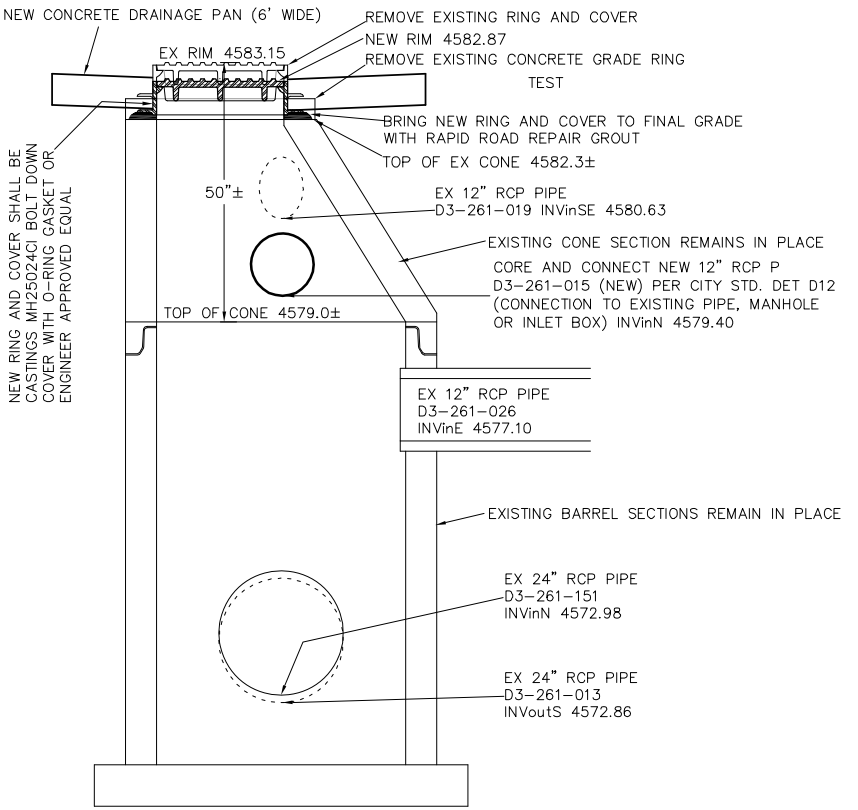
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

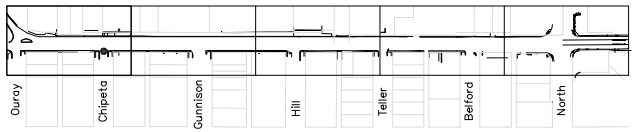
NORTH AVENUE STORM DRAIN
STORM DRAIN PROFILE
STA 8+00 TO 11+00

27

PROJECT NO. 201-F1501







KEYMAP

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\DESIGN\STORM DRAIN PLAN AND PROFILE.dwg, 7/13/2016 9:48:26 AM

DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

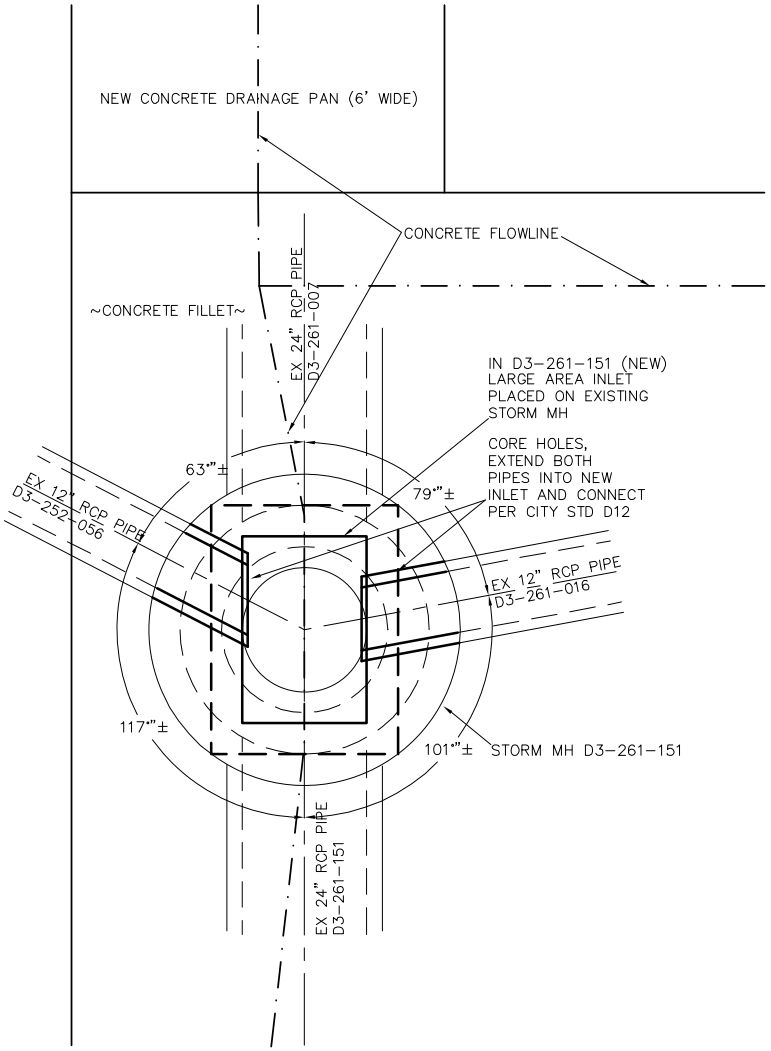
DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

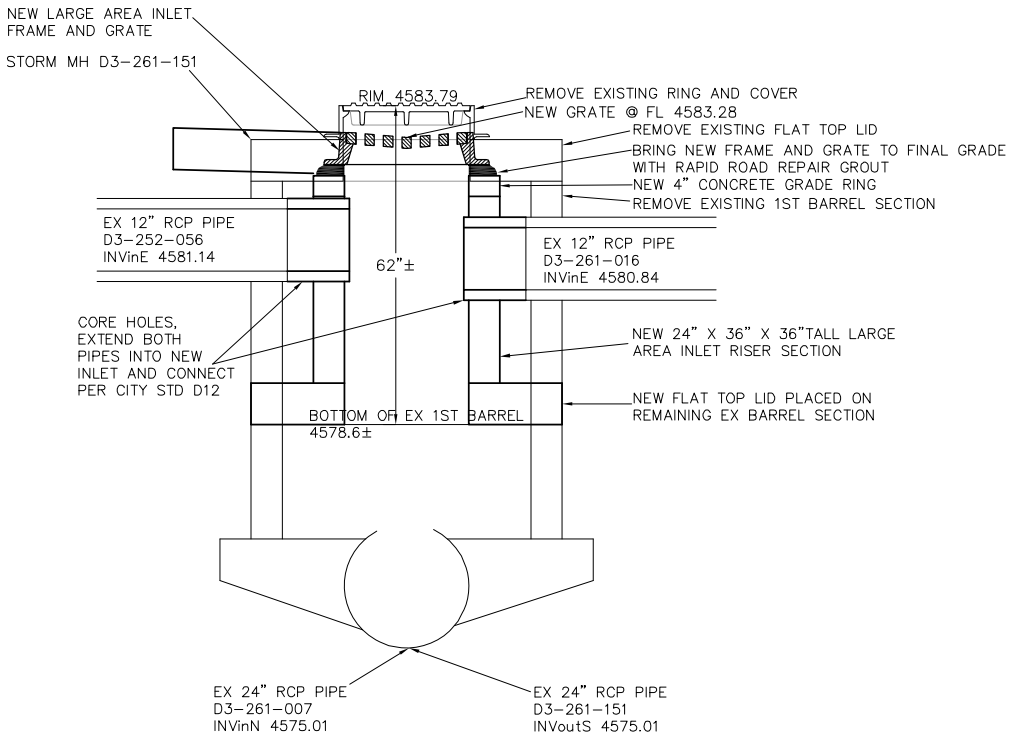
SCALES:
PLAN & PROFILE
HORIZONTAL 0 1 2
VERTICAL 0 NA NA NA

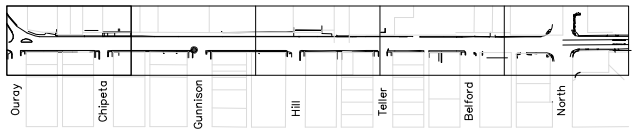
CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM DRAIN MH DETAIL
STORM MH D3-261-013 AT CHIPETA AVE







KEYMAP

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DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

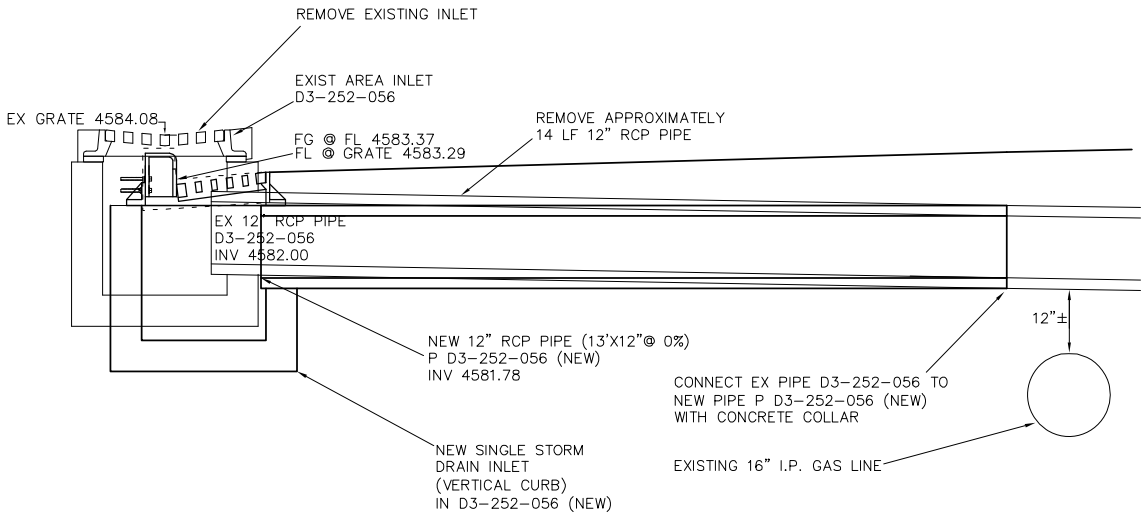
SCALES:
PLAN & PROFILE
HORIZONTAL 0 1 2
VERTICAL 0 NA NA NA

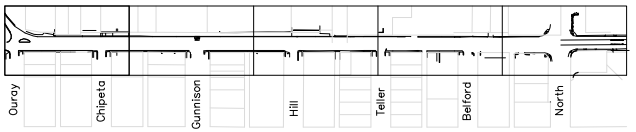
CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM DRAIN MH DETAIL
STORM MH D3-261-151 AT GUNNISON AVE

PROJECT NO. 201-F1501





KEYMAP

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DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 1 2
VERTICAL 0 NA NA NA

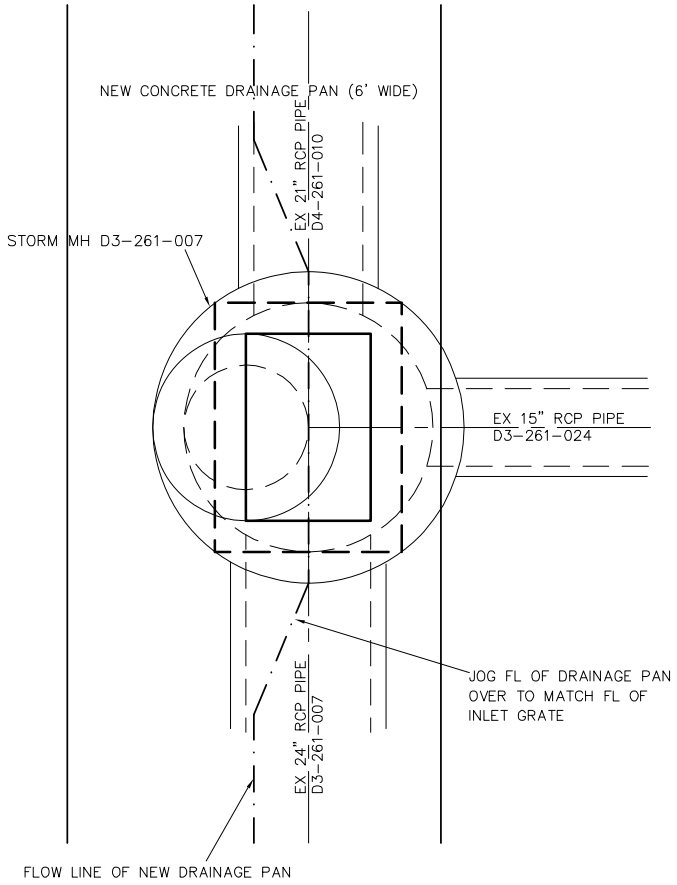
CITY OF Grand Junction COLORADO

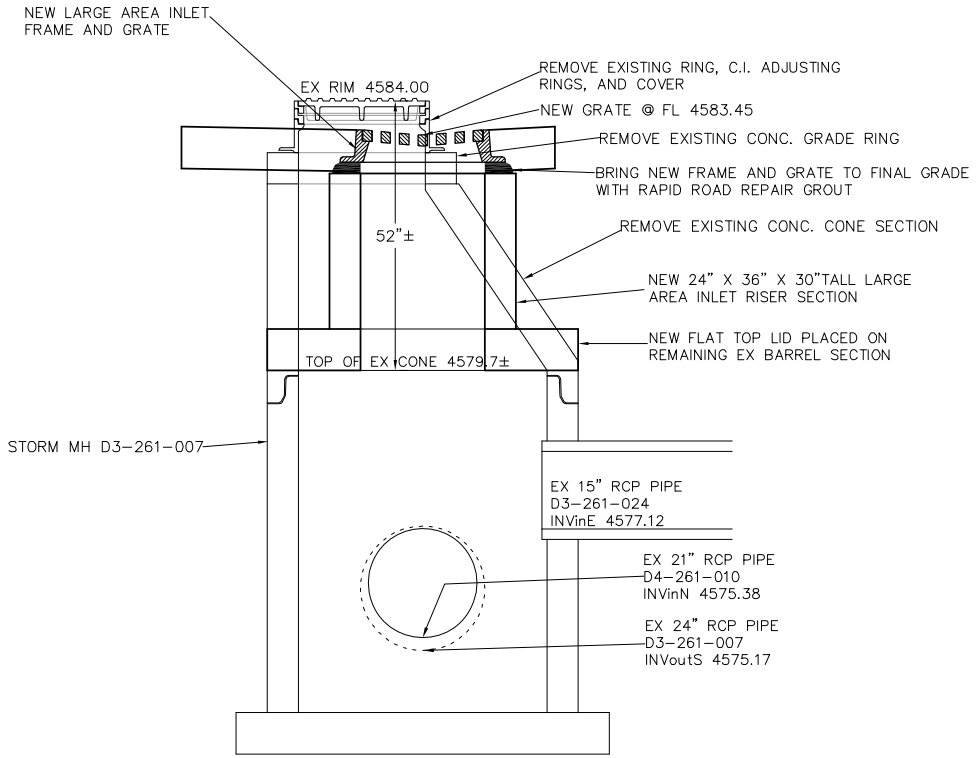
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

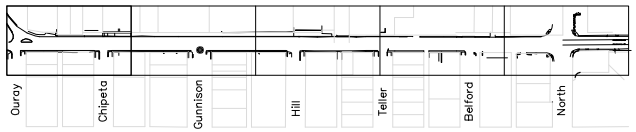
1ST STREET RECONSTRUCTION
STORM DRAIN INLET DETAIL
STORM INLET D3-252-056 AT GUNNISON AVE

30

PROJECT NO. 201-F1501







KEYMAP

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DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 1 2
VERTICAL 0 NA NA NA

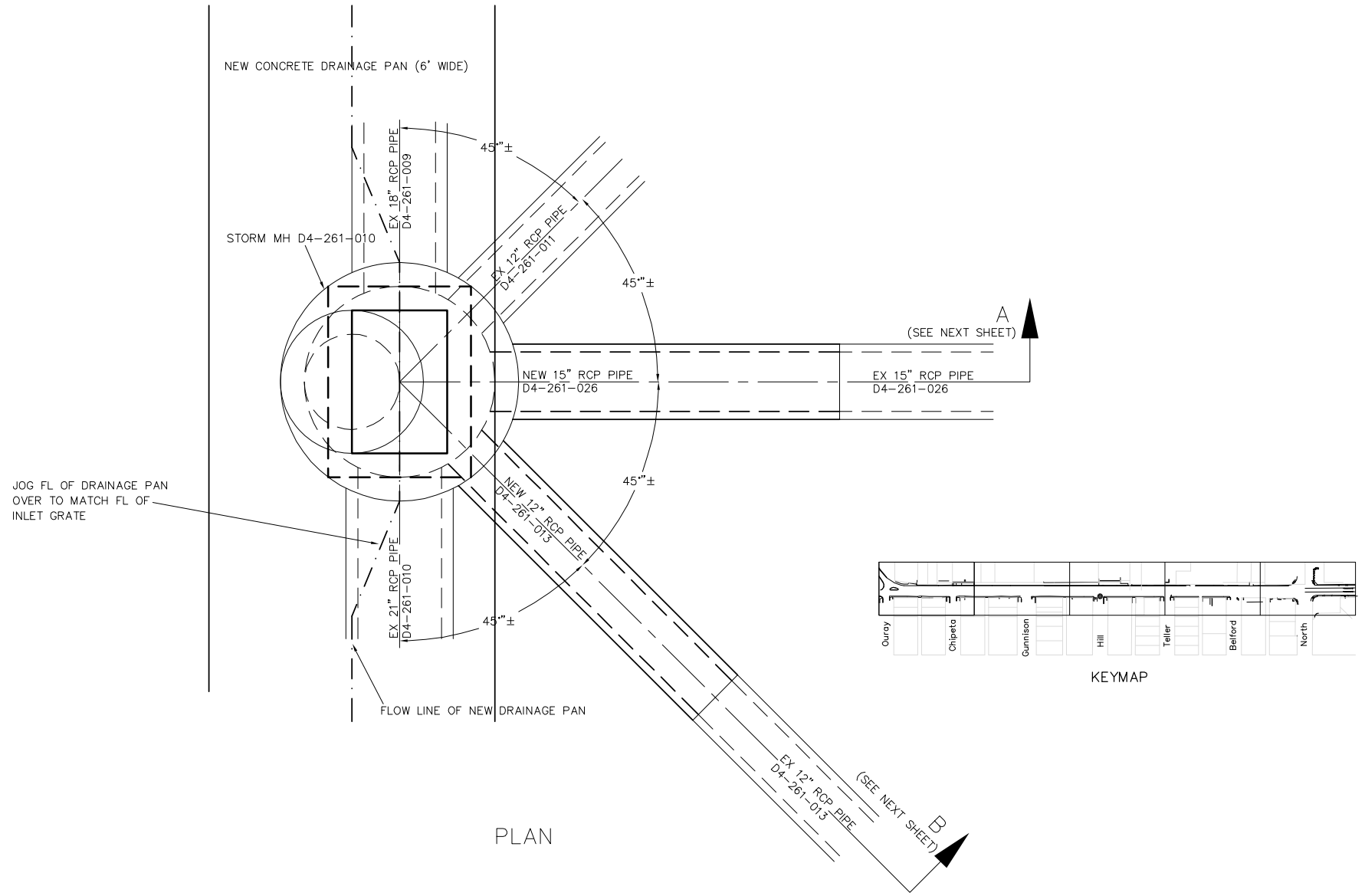
CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM DRAIN MH DETAIL
STORM MH D3-261-007 AT GUNNISON AVE

31

PROJECT NO. 201-F1501



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DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY	JCS	DATE	2016
DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 1 2
VERTICAL 0 NA NA NA

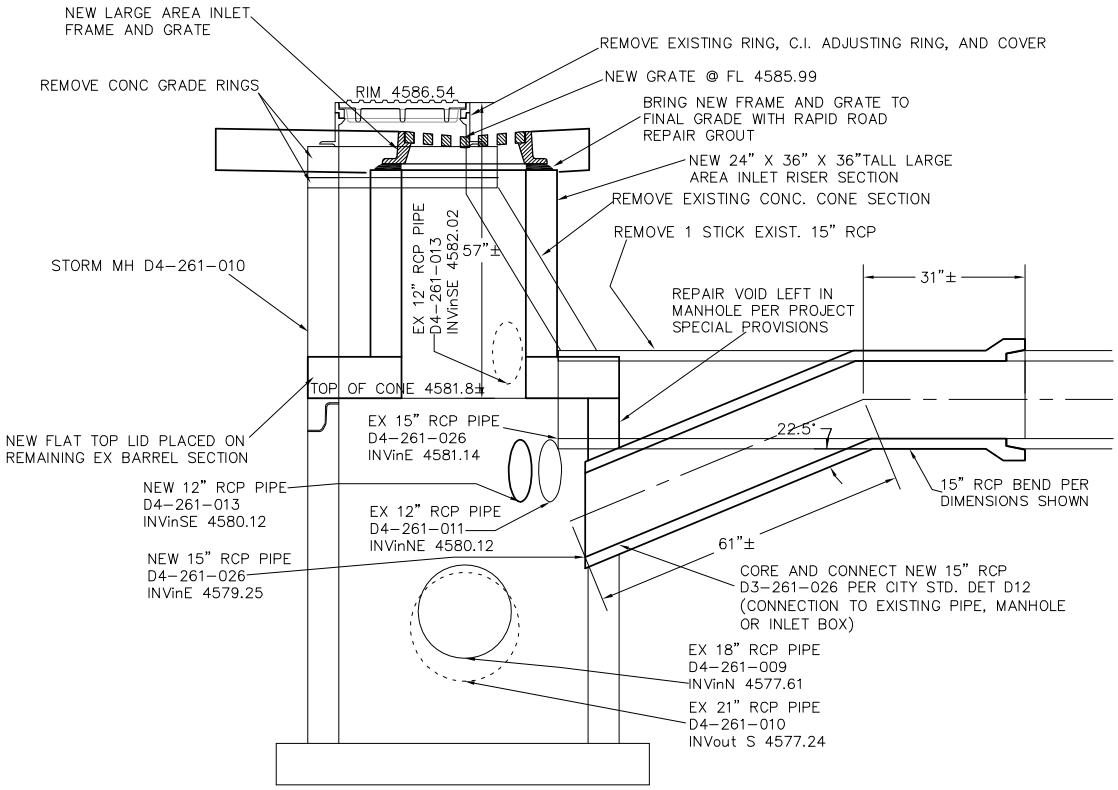
CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

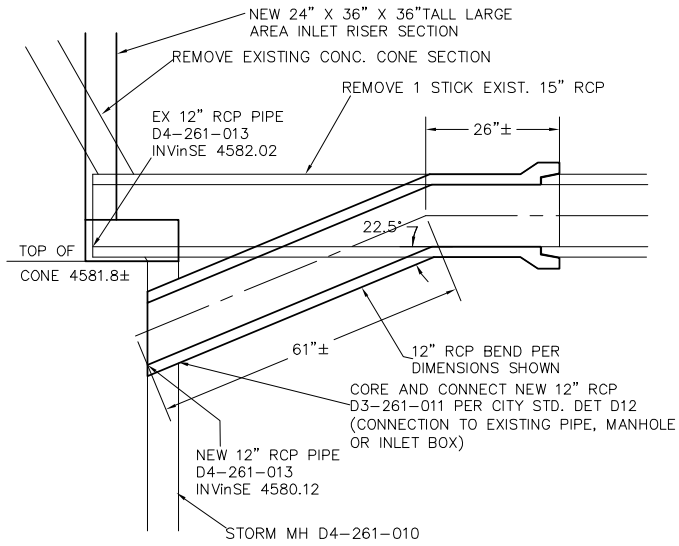
1ST STREET RECONSTRUCTION
STORM DRAIN MH DETAIL
STORM MH D4-261-010 AT HILL AVE

32

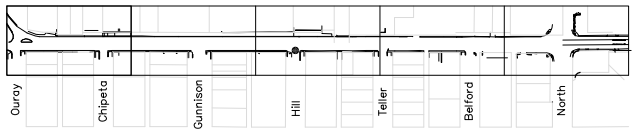
PROJECT NO. 201-F1501



SECTION A



SECTION B



KEYMAP

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DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE HORIZONTAL 0 1 2 VERTICAL 0 NA NA NA

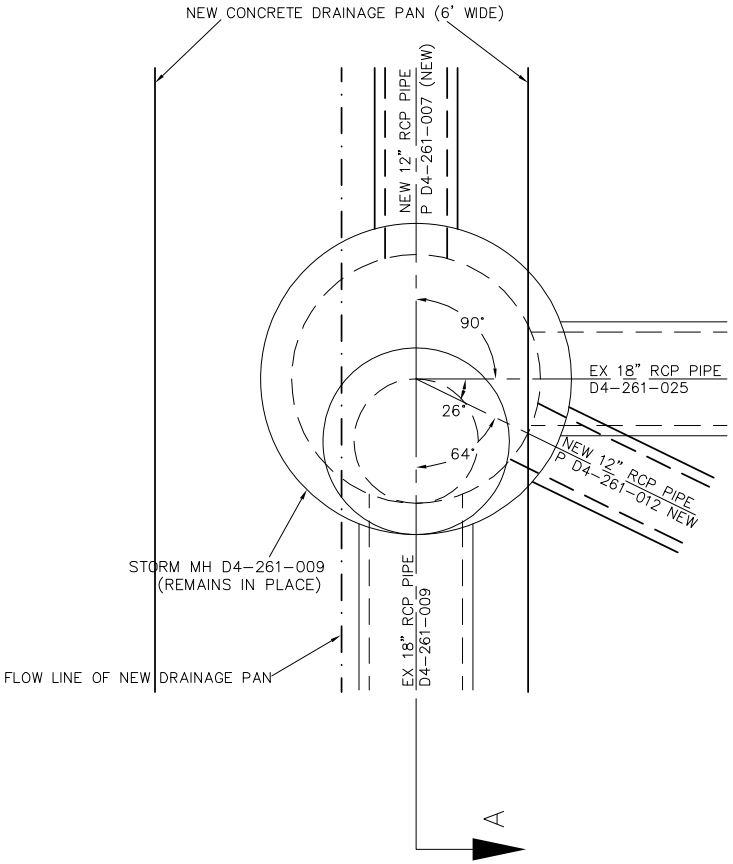
CITY OF Grand Junction COLORADO

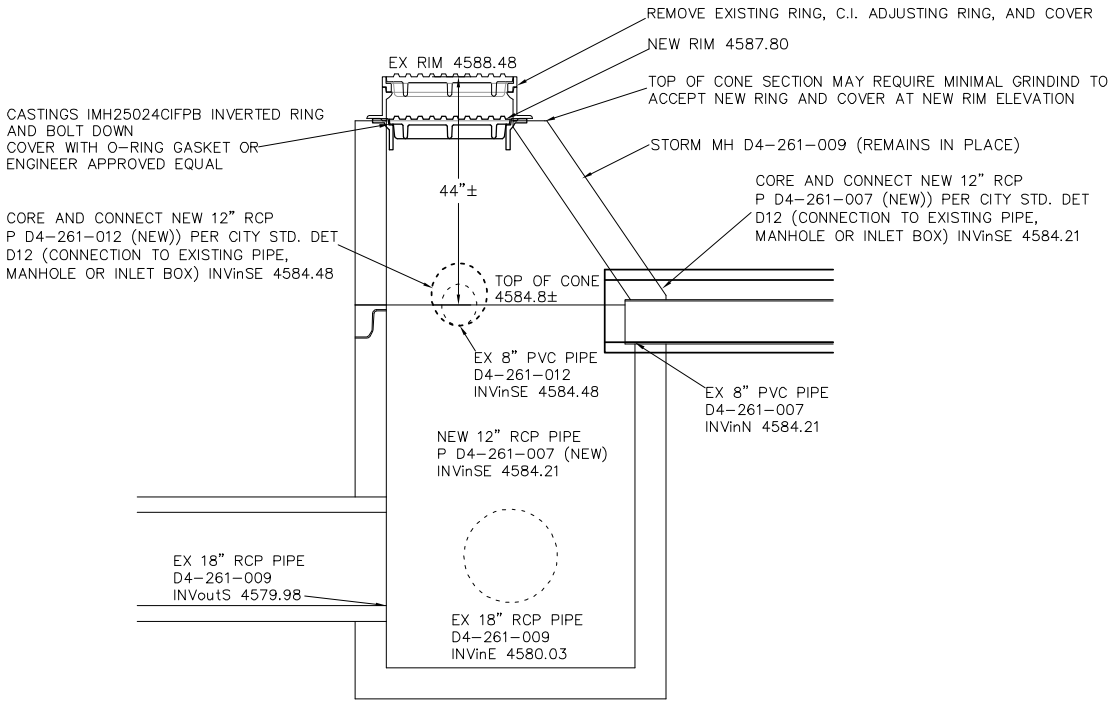
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM DRAIN MH DETAIL
STORM MH D4-261-010 AT HILL AVE

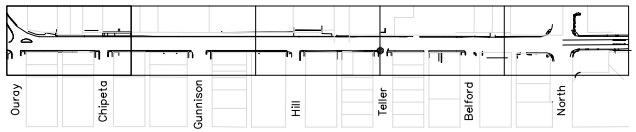
33

PROJECT NO. 201-F1501





SECTION A



KEYMAP

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DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
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CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM DRAIN MH DETAIL
STORM MH D4-261-009 AT TELLER AVE

1. SITE DESCRIPTION

To fulfill the CDPS-SCP (Colorado Discharge Permit System - Stormwater Construction Permit). The ECS shall update to reflect current project site conditions.

A. PROJECT SITE DESCRIPTION: Reconstruct 1st Street from Ouray Avenue to North Avenue. Project site is located in a fully developed section of Grand Junction, with businesses adjacent to 1st Street. The business properties currently have established landscaping that the reconstruction project will modify due to street reconfiguration of 1st Street and a few access driveways to businesses. Grading activities will be minor. The street reconstruction been designed to match existing grades as closely as possible while still allowing for good drainage to the storm inlets. Proposed new utilities include some new storm piping and inlets will be installed within the construction boundaries as well. There are a few dry utilities that will need relocating due to street reconstruction. This project will have both asphalt and concrete pavement installed. Excavation is limited to the construction of the new roadway sections and appurtenances. Landscaping is provided on this project in the form of sod, seeding, trees, shrubs and inorganic mulch; and irrigation will be provided to all new trees, shrubs and perennials.

B. PROPOSED SEQUENCING FOR MAJOR CONSTRUCTION ACTIVITIES:

1. Installation of initial erosion control items
2. Clearing and Grubbing
3. Removal and Stockpile of topsoil
4. Utility installation and relocations (water, storm, dry utilities)
5. Asphalt removal
6. Excavation for roadway construction
7. Roadway grading and sub grade preparation
8. Installation of interim erosion control items
9. Hot mix asphalt and concrete construction of proposed roadway
10. Landscape and Irrigation installation
11. Signing and Striping
12. Installation of final erosion control items (re-vegetation)

C. ACRES OF DISTURBANCE:

1. Total area of construction site: 4.795 acres
2. Total area of disturbance: 4.795 acres

D. EXISTING SOIL DATA: Killpack Silty Clay, 2 to 5 percent slopes. Parent Material: Residuum weathered from clayey shale. Runoff class is: Medium. Depth to water table: More than 80 inches. Hydrologic Soil Group: C.

E. EXISTING VEGETATION, INCLUDING PERCENT COVER:

Existing vegetation consists of maintained landscaping by the local businesses adjacent to the project. Existing vegetation consists of sod, trees, shrubs, perennials, inorganic mulch and native grasses.

A survey including general description of existing vegetation shall be conducted by TECS prior to any ground disturbance on project. The TECS shall photo-document existing vegetation where all work will be occurring. The TECS shall also perform the vegetation survey transect(s) including photo documentation as outlined in Chapter 4.11.2 of CDOT's Erosion Control and Stormwater Quality Guide.

Date of survey: _____ %Density: _____
Description of existing vegetation:
Map or table showing transect locations in tab 19:

F. POTENTIAL POLLUTANTS SOURCES: See First Construction Activities under Potential Pollutant Sources. The ECS shall prepare a list of all potential pollutants and their locations in accordance with subsection 107.25.

G. RECEIVING WATER:

1. Outfall locations: The owner of the existing and new storm pipes installed as part of this project that are underneath and crossing 1st Street will be owned and maintained by the City of Grand Junction. All storm drain piping that's part of this project conveys storm water to two separate centralized points and discharges the storm water into existing storm piping where the storm water is then conveyed and discharged into the Colorado River. This project is located within MS4 boundaries. This project increases the imperious area by 3%.
2. Names of receiving water(s) on site and the ultimate receiving water: the Colorado River as the ultimate receiving waters.
3. Distance ultimate receiving water is from project: 0.75 Miles

H. ALLOWABLE NON-STORMWATER DISCHARGES: Concrete washout, saw cutting, and dewatering are anticipated on the project. The ECS shall prepare a list of allowable non-stormwater discharges.

1. Groundwater and stormwater dewatering: Discharges to the ground of water from construction dewatering activities may be authorized provided that:
   a. the source is groundwater and/or groundwater combined with stormwater that does not contain pollutants
   b. the source and BMPs are identified in the SWMP
   c. discharges do not leave the site as surface runoff or to surface waters
   d. The contractor shall protect all work areas and facilities from water at all times. Areas and facilities subject to flooding, regardless of the source of water, shall be promptly dewatered and restored at no cost to the owner. This shall include removal of any debris caused by flooding. Any dewatering shall be done in accordance with Subsection 107.25

2. If discharges do not meet the above criteria a separate CDPS permit shall be obtained by the Contractor from the CDPHE. See standard special provision 250 Hazardous Waste and Contaminated Water.

I. ENVIRONMENTAL IMPACTS:
   1. Wetland Impacts: YES **NO**
   2. Stream Impacts: YES **NO**
   3. Threatened and Endangered Species: N/A

2. SITE MAP COMPONENTS:

Pre-construction

A. PROJECT CONSTRUCTION POTENTIAL SITE BOUNDARIES - Shown on the Storm Water Management Site Plans as the shaded area. The outer perimeter of the shaded area is the proposed limits of construction and/or the toe of fills or top of cuts. The existing right-of-way and temporary and permanent easement lines are shown on the Storm Water Management Site Plans.

B. ALL AREAS OF GROUND SURFACE DISTURBANCE - Shown on the Storm Water Management Site Plans. The shaded area represents all areas that are anticipated to have surface disturbance. This shaded area is what was used to calculate the acres of disturbance. Limits of disturbance are shown on the Storm Water Management Site Plans.

C. AREAS OF CUT AND FILL - Shown on the Roadway Plans, Grading and Drainage Plans and the Storm Water Management Site Plans. The areas of cut and fill are shown with their own specific line type.

D. LOCATION OF ALL STRUCTURAL BMPs IDENTIFIED IN THE SWMP - All proposed Structural BMP's are shown and labeled on the Storm Water Management Site Plans. The locations shown on the Storm Water Management Site Plans are approximate and can be changed by the Contractor and/or Project Engineer during construction to adapt with the construction phasing.

E. LOCATION OF NON-STRUCTURAL BMPs AS APPLICABLE IN THE SWMP - Location of the following to be located by the ECS: Material management, material usage, spill prevention and control, sanitary and septic waste management, liquid waste management, hazardous waste management, vehicle and equipment management, and concrete washout structure.

F. SPRINGS, STREAMS, WETLANDS AND OTHER SURFACE WATER – N/A

G. PROTECTION OF TREES, SHRUBS, CULTURAL RESOURCES AND MATURE VEGETATION - Protection of trees and shrubs are shown on the Landscape Plans and the Removal Plans.

H. AREAS USED FOR STORING AND STOCKPILING OF MATERIALS, STAGING AREAS (field trailer, fueling, etc.) and BATCH PLANTS

*ECS to revise site maps in accordance to 208.03

3. WMP ADMINISTRATORS:

A. SWMP ADMINISTRATOR FOR DESIGN:
Name/Title: Justin Vensel/Project Engineer Contact information: 970-256-4017, justinv@gjcity.org

4. STORMWATER MANAGEMENT CONTROLS FIRST CONSTRUCTION ACTIVITIES

THE CONTRACTOR SHALL PERFORM THE FOLLOWING:

A. POTENTIAL POLLUTANT SOURCES
Evaluate, identify and describe all potential sources of pollutants at the site in accordance with subsection 107.25 and place in the SWMP notebook. All BMPs related to potential pollutants shall be shown on the SWMP site map by the contractor's ECS.

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
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SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM WATER MANGAGEMENT PLAN

B. BEST MANAGEMENT PRACTICES (BMPs) FOR STORMWATER POLLUTION PREVENTION

PHASED BMP IMPLEMENTATION

During Design: "BMP as Designed" boxes are marked when used in the SWMP. During construction: the ECS shall update the "In use on site" boxes to match which BMPs are currently in use on site. Clearly describe the relationship between the phases of construction and the implementation of BMP controls.

STRUCTURAL BMPs that may be potentially used on the project for erosion and sediment control; practices may include, but are not limited to:

APPLICATION, BMP	NARRATIVE	BMP AS DESIGNED	IN USE ON SITE	BMP PHASING		
				FIRST/INITIAL CONSTRUCTION ACTIVITIES	INTERIM CONSTRUCTION ACTIVITIES	FINAL STABILIZATION
PROTECTION OF EXISTING WETLANDS Fence (plastic) and erosion logs	Fence (plastic) shall be placed in combination with erosion logs to prevent encroachment of construction traffic and sediment into state waters prior to start of construction disturbances. Fence (plastic) shall be placed adjacent to the wetlands; erosion logs shall be placed between the plastic fence and disturbance area. Logs shall be placed to direct flows away from or filter water running into wetlands from disturbance areas.			X	X	
PROTECTION OF EXISTING TREES/LANDSCAPING Fence (plastic)	Fence (plastic) shall be used in areas indicated in the plans to protect mature trees and/or existing landscaping prior to start of construction disturbances.			X	X	
CHECK DAM/DITCH CHECK Erosion log, silt berm, silt dike, rock check dam	Placed in ditches immediately upon completion of ditch grading to reduce velocity of runoff in ditch. For existing ditches, place prior to start of construction disturbances.			X	X	X
INLET PROTECTION Storm drain inlet protection (type 1,2 and 3)	Placed prior to construction disturbances to protect existing inlets or immediately upon completion of new inlets to prevent sediment from entering the inlet throughout construction.			X	X	X
STOCKPILE PROTECTION Temporary berm, erosion logs, aggregate bags*	Placed within specified distance from toe to contain sediment around stockpile. *Aggregate bags are easily moved and replaced for access during the work day. Place prior to start of stock pile, increase control as stock pile increases size.				X	
TOE OF FILL PROTECTION Erosion logs, temporary berm, silt fence, topsoil windrow*	Place prior to slope/embankment work to capture sediment and protect and delineate undisturbed areas. *Can be used to stockpile topsoil for salvage.			X	X	
PERIMETER CONTROL Erosion logs, silt fence, temporary berm, topsoil windrow*	Placed prior to construction commencing to address potential run-on water from off site, and to divert around disturbed area			X	X	
SEDIMENT CONTROL/ SLOPE CONTROL Silt fence, erosion logs	Placed on the contour on a slope to contain and slow down construction runoff. Place prior to start of construction disturbances.			X	X	
TEMPORARY SEDIMENT TRAP (ECS shall add locations to SWMP site maps)	Used to capture sediment laden runoff from disturbed areas < 5 acres during construction. Place prior to start of construction disturbances.			X	X	
PERMANENT SEDIMENT BASIN Extended detention basin	Constructed early in project, prior to storm sewer/ditches to capture storm flow as a temporary sediment trap. Outlet structure shall be modified for construction runoff.			X	X	
EMBANKMENT PROTECTION OR TEMPORARY SLOPE DRAIN	Placed as a conduit or chute to drain runoff down slope and to prevent erosion of slope.				X	X
OUTLET PROTECTION Riprap, or approved other	Material placed as energy dissipater to prevent erosion at outlet structure.				X	X

CONCRETE WASHOUT In-ground or fabricated	Construction control, used for waste management of concrete and concrete equipment cleaning. Place prior to start of concrete activities.			X	X	
VEHICLE TRACKING PAD	Source control, placed to prevent tracking of sediment from disturbed area to offsite surface. Place prior to start of construction disturbances.			X	X	
SWEEPING	Source control, used to remove sediment tracked onto paved surfaces and to prevent from entering drainage system. Sweep daily and at the end of the construction shift as needed. Kick brooms shall not be allowed.			X	X	
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.			X	X	
TEMPORARY STREAM CROSSING	Constructed over stream or drainage to prevent discharge of pollutants from construction equipment into water			X	X	
CLEAN WATER DIVERSION	Placed to divert clean surface or ground water around disturbance area to prevent it from mixing with construction runoff			X	X	
OTHER						

NON-STRUCTURAL BMPs that may be potentially used on the project for erosion and sediment control; practices may include, but are not limited to:

APPLICATION, BMP	NARRATIVE	BMP AS DESIGNED	IN USE ON SITE	BMP PHASING		
				FIRST/INITIAL CONSTRUCTION ACTIVITIES	INTERIM CONSTRUCTION ACTIVITIES	FINAL STABILIZATION
VEGETATIVE BUFFER STRIP Fence (plastic)	Filter sediment laden runoff from disturbance area. Area to be identified for preservation prior to construction starting.			X	X	X
LANDFORM (ECS shall add locations to SWMP site maps)	Existing landforms may be used as a BMP 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.			X	X	
TOPSOIL MANAGEMENT STOCKPILE/SALVAGE Windrow or stockpile	Prior to embankment work commencing, existing topsoil shall be scraped to a depth of 4 inches, and placed in stockpiles or windrows. Upon completion of slope work/final grading (less 4 inches), topsoil shall be evenly distributed over embankment to a depth of 4 inches.			X	X	
SURFACE ROUGHENING / GRADING TECHNIQUES Blading, Backhoe, Dozing, Combination Loader	Temporary stabilization of disturbance and to minimize wind and erosion.				X	
SEEDING TEMPORARY	Temporary stabilization used for over wintering of disturbance or used to control erosion for areas scheduled for future construction.				X	
BONDED FIBER MATRIX/HYDRAULIC MULCH (Not to be used in areas of concentrated flows, i.e. ditch lines.)	To be used in combination with surface roughening for temporary stabilization of disturbed soils, when work is temporarily halted and as approved by the Engineer. May be used as surface cover for temporary topsoil stockpiles				X	
MULCH/MULCH TACKIFIER	Temporary or Final 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				X	X

CONCRETE WASHOUT In-ground or fabricated	Construction control, used for waste management of concrete and concrete equipment cleaning. Place prior to start of concrete activities.			X	X	
VEHICLE TRACKING PAD	Source control, placed to prevent tracking of sediment from disturbed area to offsite surface. Place prior to start of construction disturbances.			X	X	
SWEEPING	Source control, used to remove sediment tracked onto paved surfaces and to prevent from entering drainage system. Sweep daily and at the end of the construction shift as needed. Kick brooms shall not be allowed.			X	X	
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.			X	X	
TEMPORARY STREAM CROSSING	Constructed over stream or drainage to prevent discharge of pollutants from construction equipment into water			X	X	
CLEAN WATER DIVERSION	Placed to divert clean surface or ground water around disturbance area to prevent it from mixing with construction runoff			X	X	
OTHER						

NON-STRUCTURAL BMPs that may be potentially used on the project for erosion and sediment control; practices may include, but are not limited to:

APPLICATION, BMP	NARRATIVE	BMP AS DESIGNED	IN USE ON SITE	BMP PHASING		
				FIRST/INITIAL CONSTRUCTION ACTIVITIES	INTERIM CONSTRUCTION ACTIVITIES	FINAL STABILIZATION
VEGETATIVE BUFFER STRIP Fence (plastic)	Filter sediment laden runoff from disturbance area. Area to be identified for preservation prior to construction starting.			X	X	X
LANDFORM (ECS shall add locations to SWMP site maps)	Existing landforms may be used as a BMP 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.			X	X	
TOPSOIL MANAGEMENT STOCKPILE/SALVAGE Windrow or stockpile	Prior to embankment work commencing, existing topsoil shall be scraped to a depth of 4 inches, and placed in stockpiles or windrows. Upon completion of slope work/final grading (less 4 inches), topsoil shall be evenly distributed over embankment to a depth of 4 inches.			X	X	
SURFACE ROUGHENING / GRADING TECHNIQUES Blading, Backhoe, Dozing, Combination Loader	Temporary stabilization of disturbance and to minimize wind and erosion.				X	
SEEDING TEMPORARY	Temporary stabilization used for over wintering of disturbance or used to control erosion for areas scheduled for future construction.				X	
BONDED FIBER MATRIX/HYDRAULIC MULCH (Not to be used in areas of concentrated flows, i.e. ditch lines.)	To be used in combination with surface roughening for temporary stabilization of disturbed soils, when work is temporarily halted and as approved by the Engineer. May be used as surface cover for temporary topsoil stockpiles				X	
MULCH/MULCH TACKIFIER	Temporary or Final 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				X	X

SPRAY-ON MULCH BLANKET (Not to be used in areas of concentrated flows, i.e. ditch lines.)	Temporary or Final 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				X	X
SEEDING PERMANENT	Final Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas.					X
SOIL RETENTION BLANKET (SRB)	Final Stabilization of disturbance and to reduce runoff and control erosion on disturbed areas.				X	X
TURF REINFORCEMENT MAT (TRM)	Final 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.				X	X
OTHER						

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 BMPs related to construction access and staging.
BMP locations are indicated on the SWMP site map.

NARRATIVES

BMP details and narratives not covered by the SWMP or Standard Plan M-208-1 shall be added to the SWMP notebook by the ECS.

D. OFFSITE DRAINAGE (RUN ON WATER)
1. Describe and record BMPs on the SWMP site map that has been implemented to address off site run-on water in accordance with subsection 208.03.

E. VEHICLE TRACKING PAD/VEHICLE TRACKING CONTROL
1. BMPs shall be implemented in accordance with subsection 208.04.

F. PERIMETER CONTROL
1. Perimeter control shall be established as the first item on the SWMP to prevent the potential for pollutants leaving the construction site boundaries, entering the stormwater drainage system, or discharging to state waters.
2. Perimeter control may consist of vegetation buffers, berms, silt fence, erosion logs, existing landforms, or other BMPs as approved.
3. Perimeter control shall be in accordance with subsection 208.04.

5. DURING CONSTRUCTION

RESPONSIBILITIES OF THE SWMP ADMINISTRATOR/TRANSPORTATION EROSION CONTROL SUPERVISOR DURING CONSTRUCTION
The SWMP should be considered a "living document" that is continuously reviewed and modified. During construction, the following items shall be added, updated, or amended as needed by the SWMP Administrator/Erosion Control Supervisor (ECS) in accordance with Section 208.
During construction, indicate how items that have not been addressed during design are being handled in construction. If items are covered in the template or other sections of the SWMP notebook indicate below what section the discussion takes place.

A. STOCKPILE MANAGEMENT - shall be done in accordance with subsection 107.25 and 208.07

B. CONCRETE WASHOUT - Concrete wash out water or waste from field laboratories and paving equipment shall be contained in accordance with subsection 208.05.

C. SAW CUTTING - shall be done in accordance with subsection 107.25, 208.04, 208.05

D. STREET CLEANING - shall be done in accordance with subsection 208.04

6. INSPECTIONS

A. Inspections shall be in accordance with subsection 208.03 (c).

7. BMP MAINTENANCE

A. Maintenance shall be in accordance with subsection 208.04 (f).

8. RECORD KEEPING

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

9. INTERIM AND FINAL STABILIZATON

A. SEEDING PLAN

Soil preparation, soil conditioning or topsoil, seeding (native), mulching (weed free) and mulch tackifier will be required for an estimated 2.67 acres of disturbed area within the right-of-way limits which are not surfaced. The following types and rates shall be used:

COMMON NAME	BOTANICAL NAME	% OF MIX BY QTY.
GALLETA GRASS	HILARIA JAMESII	20%
HARD FESCUE	FESTUCA OVINA 'DURAR'	20%
INDIAN RICEGRASS	ORIZOPSIS HYMENOIDES ' PALOMA'	12%
NEEDLE & THREAD GRASS	STIPA COMATA	1%
SHEEP FESCUE	FESTUCA OVINA 'COVAR'	8%
WESTERN WHEATGRASS	AGROPYRON SMITHII 'ARRIBA'	30%
SAND DROPSEED	SPOROBOLUS CRYPTANDRUS	1%
BLUE GRAMMA	BOUTELOUA GRACILIS	5%
SIDE OATS GRAMMA	BOUTELOUA CURTIPENDULA	3%
SEED AT 5 LB/ACRE PLS		

B. SEEDING APPLICATION: Drill seed 0.25 inch to 0.5 inch into the soil. In small areas not accessible to a drill, hand broadcast or hydroseed at double the rate and rake 0.25 inch to 0.5 inch into the soil.

C. MULCHING APPLICATION: Apply a minimum of 2 tons of certified weed free straw or 2 tons of certified weed free straw per acre and in accordance with Section 213, and mechanically crimp it into the soil in combination with an organic mulch tackifier.

a. Prior to winter shutdown or the summer seeding window: 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 per section 213.

D. SPECIAL REQUIREMENTS:

1. Due to high failure rates, hydroseeding will not be allowed.

E. SOIL CONDITIONING AND FERTILIZER REQUIREMENTS: [Minimum requirements for all disturbances to receive seeding (native). Compost is optional within areas above 8000 ft in elevation]

Soil conditioner paid for as Item 212- Soil Conditioning (Acre)		
Biological nutrient organic based fertilizer (lbs/acre)*	Humate (lbs/acre)	Compost (cy/acre) (1/2 inch depth)
600	200	261

*Biological nutrient shall not exceed 8-8-8 (N-P-K). Humate based material and compost shall be in accordance to Section 212.

F. SOIL RETENTION COVERING: On slopes and ditches requiring a blanket or turf reinforcement mat (trm), the blanket/trm shall be placed in lieu of mulch and mulch tackifier. See SWMP for blanket locations.

G. RESEEDING OPERATIONS/CORRECTIVE STABILIZATION
Prior to final acceptance:

1. Seeded areas shall be reviewed during the 14 day inspections by the Erosion Control Supervisor 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, mow to control weeds or apply herbicide to control weeds in the seeded areas until Final Acceptance.

10. PRIOR TO FINAL ACCEPTANCE

A. Final Acceptance shall be in accordance with subsection 208.10 At the Partial Acceptance of the project, it shall be determined by the ECS and the Engineer which temporary BMP's shall remain until 70% reestablishment or which shall be removed.
B. At the end of the project, all ditch checks shall either consist of temporary erosion logs or permanent rip-rap.

11. TABULATION OF STORMWATER QUANTITIES

Pay Item	Description	Pay Unit	*Quantity	As Const.
208-00035	Aggregate Bag	LF	112	
208-00045	Concrete Washout Structure	Each	4	
208-00052	Storm Drain Inlet Protection (Type2) (Option A)	Each	14	
208-00070	Vehicle Tracking Pad	Each	4	
208-00103	Removal and Disposal of Sediment (Labor)	Hour	30	
208-00105	Removal and Disposal of Sediment (Equipment)	Hour	30	
208-00106	Sweeping (Sediment Removal)	Hour	70	
208-00206	Erosion Control Supervisor	Day	150	
208-00300	Temporary Berms	LF	150	
209-00600	Dust Palliative (Magnesium Chloride)	Gallon	800	
212-00006	Seeding (Native)	Acre	0.1	
212-00032	Soil Conditioning**	Acre	0.1**	
213-00004	Mulching (Weed Free Straw)	Acre	0.1	
213-00061	Mulch Tackifier	LB	10	
607-11525	Fence (Plastic)	LF	200	
700-70380	Erosion Control	FA	1	

* It is anticipated that additional BMPs and BMP 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 subsection 208.03 and 208.04 (e). Quantities for all BMPs shown above are estimated, and have been increased for unforeseen Project conditions. 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.

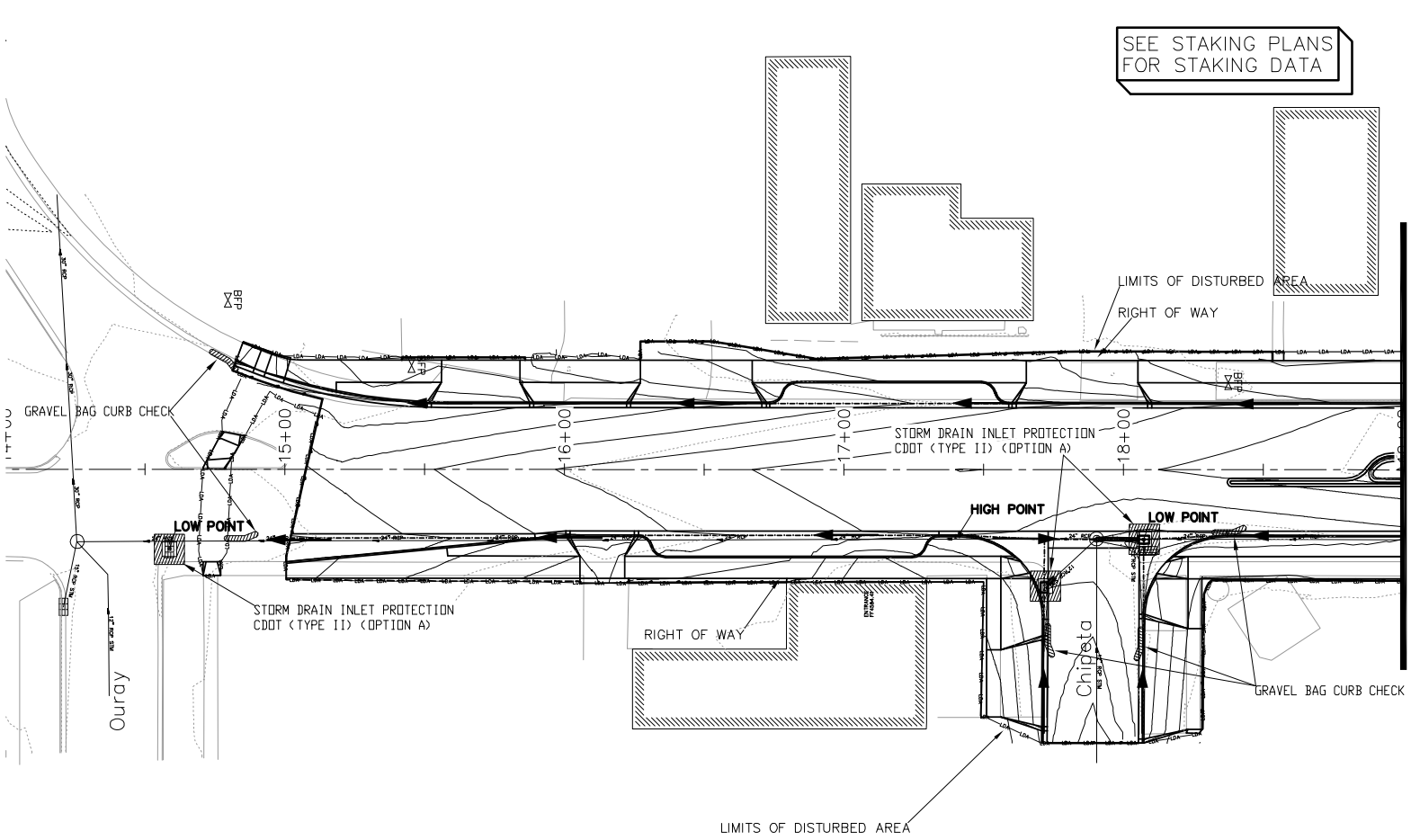
** Quantity carried over to Tabulation of Landscape Quantities.

A. BMP 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 BMP maintenance shall be included in the cost of the BMP Device.

B. It is estimated that 100 hours of labor, blading (130 - 140 horsepower), 100 hours of Sweeping (With Pickup Broom) may be required for miscellaneous erosion control work as directed by the Engineer. Work shall be paid for as: 203 Labor, 203 Blading, 203 Sweeping (With Pickup Broom).

C. Maintenance of seeded areas shall be paid for as: 212 Seeding (Native

PROJECT NO. 201-F1501



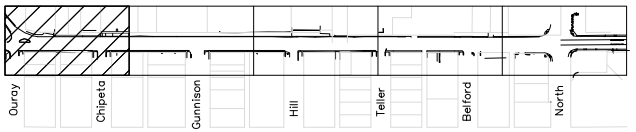
NOTES:
1. SEE ROADWAY PLANS FOR SEEDING AND INORGANIC MULCHING REQUIREMENTS.
2. BMPS NOT DRAWN TO SCALE.
3. BMP PLACEMENT IS APPROXIMATE.
4. SEE SWMP NARRATIVE FOR BMPS.
5. ECS TO UPDATE SWMP SITE PLANS DURING CONSTRUCTION.
6. ECS TO DETERMINE LOCATIONS FOR CONCRETE WASHOUTS AND STAGING AREAS.

LEGEND

GRAVEL BAG CURB CHECK

STORM DRAIN INLET PROTECTION TYPE AS NOTED

LDA LDA LDA LDA LIMITS OF DISTURBED AREA



KEYMAP

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

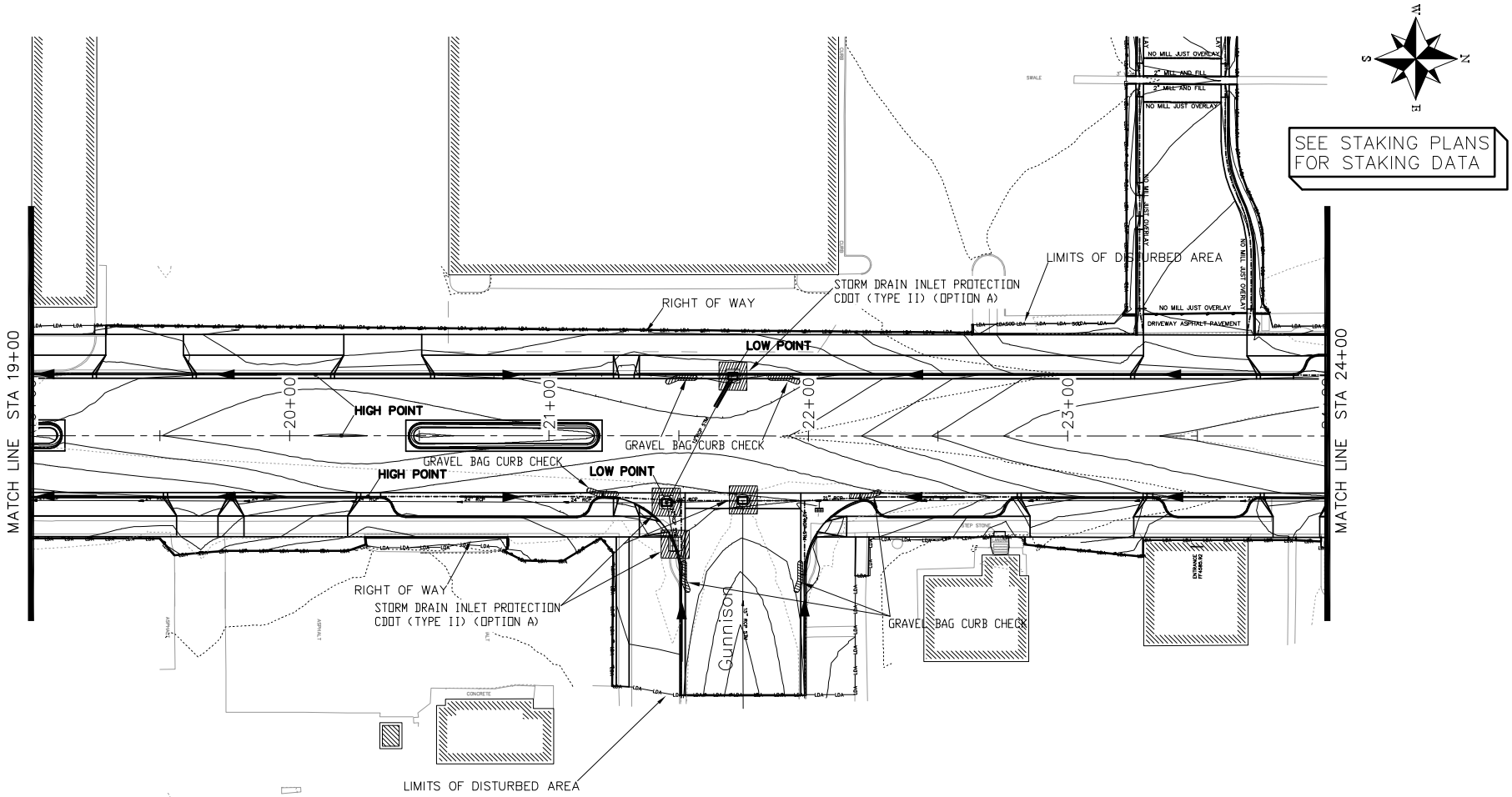
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM WATER MANGAGEMENT PLAN-SITE PLAN
STA 14+00 TO STA 19+00

43

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\SWMP-SP.dwg, (1), 11/2/2016 2:56:04 PM

PROJECT NO. 201-F1501



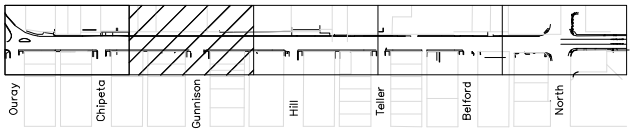
NOTES:
1. SEE ROADWAY PLANS FOR SEEDING AND INORGANIC MULCHING REQUIREMENTS.
2. BMPS NOT DRAWN TO SCALE.
3. BMP PLACEMENT IS APPROXIMATE.
4. SEE SWMP NARRATIVE FOR BMPS.
5. ECS TO UPDATE SWMP SITE PLANS DURING CONSTRUCTION.
6. ECS TO DETERMINE LOCATIONS FOR CONCRETE WASHOUTS AND STAGING AREAS.

LEGEND

GRAVEL BAG CURB CHECK

STORM DRAIN INLET PROTECTION TYPE AS NOTED

LDA LDA LDA LDA LIMITS OF DISTURBED AREA



KEYMAP

DESCRIPTION	DATE
REVISION 1 XXX	– 201X
REVISION 2 XXX	– 201X
REVISION 3 XXX	– 201X
REVISION 4 XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

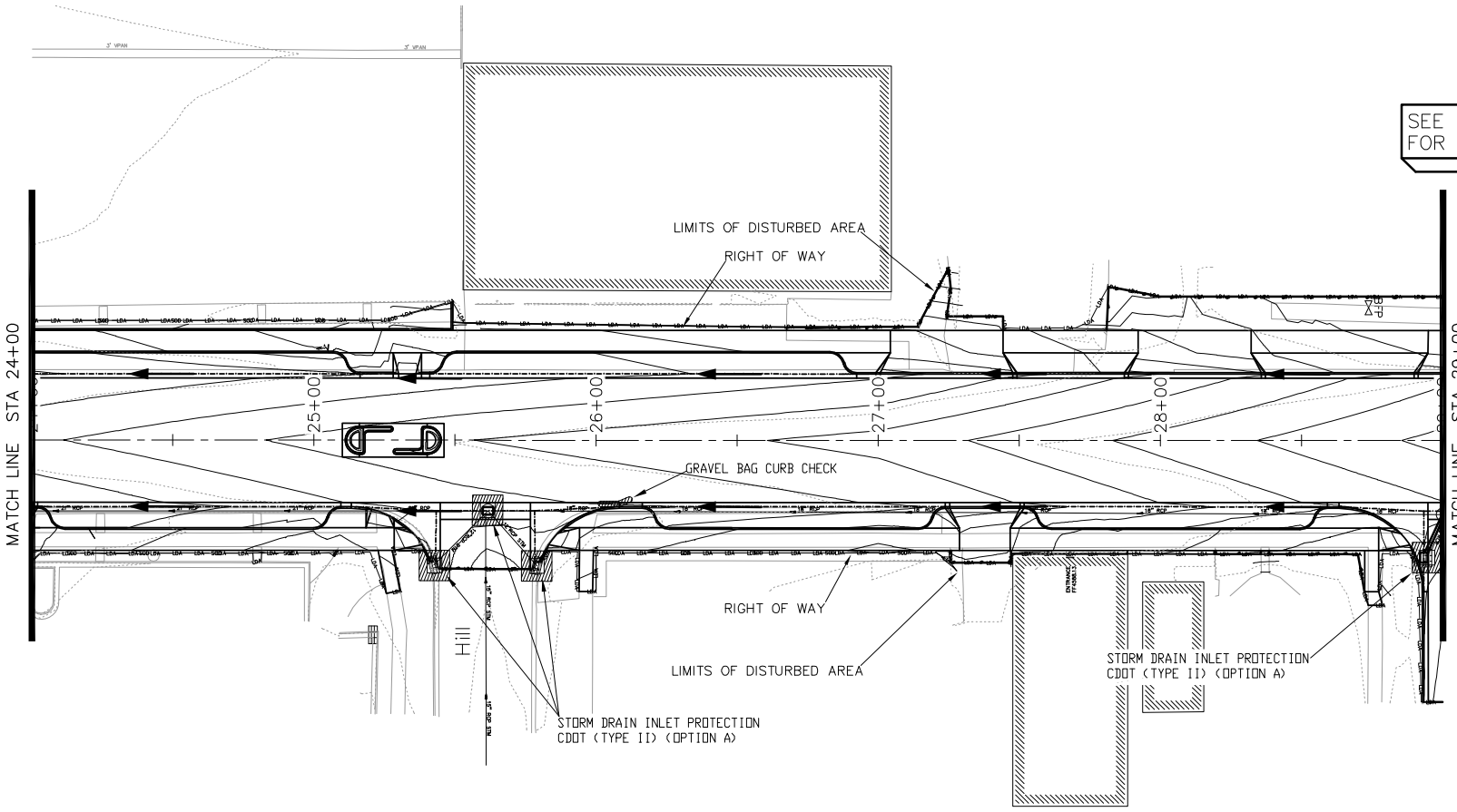
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM WATER MANGAGEMENT PLAN-SITE PLAN
STA 19+00 TO STA 24+00

44

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\SWMP-SP.dwg, (2), 11/2/2016 3:12:01 PM

PROJECT NO. 201-F1501



SEE STAKING PLANS FOR STAKING DATA

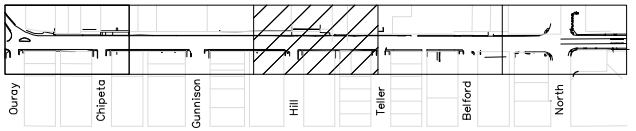
NOTES:
1. SEE ROADWAY PLANS FOR SEEDING AND INORGANIC MULCHING REQUIREMENTS.
2. BMPS NOT DRAWN TO SCALE.
3. BMP PLACEMENT IS APPROXIMATE.
4. SEE SWMP NARRATIVE FOR BMPS.
5. ECS TO UPDATE SWMP SITE PLANS DURING CONSTRUCTION.
6. ECS TO DETERMINE LOCATIONS FOR CONCRETE WASHOUTS AND STAGING AREAS.

LEGEND

GRAVEL BAG CURB CHECK

STORM DRAIN INLET PROTECTION TYPE AS NOTED

LDA LDA LDA LDA LIMITS OF DISTURBED AREA



KEYMAP

DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

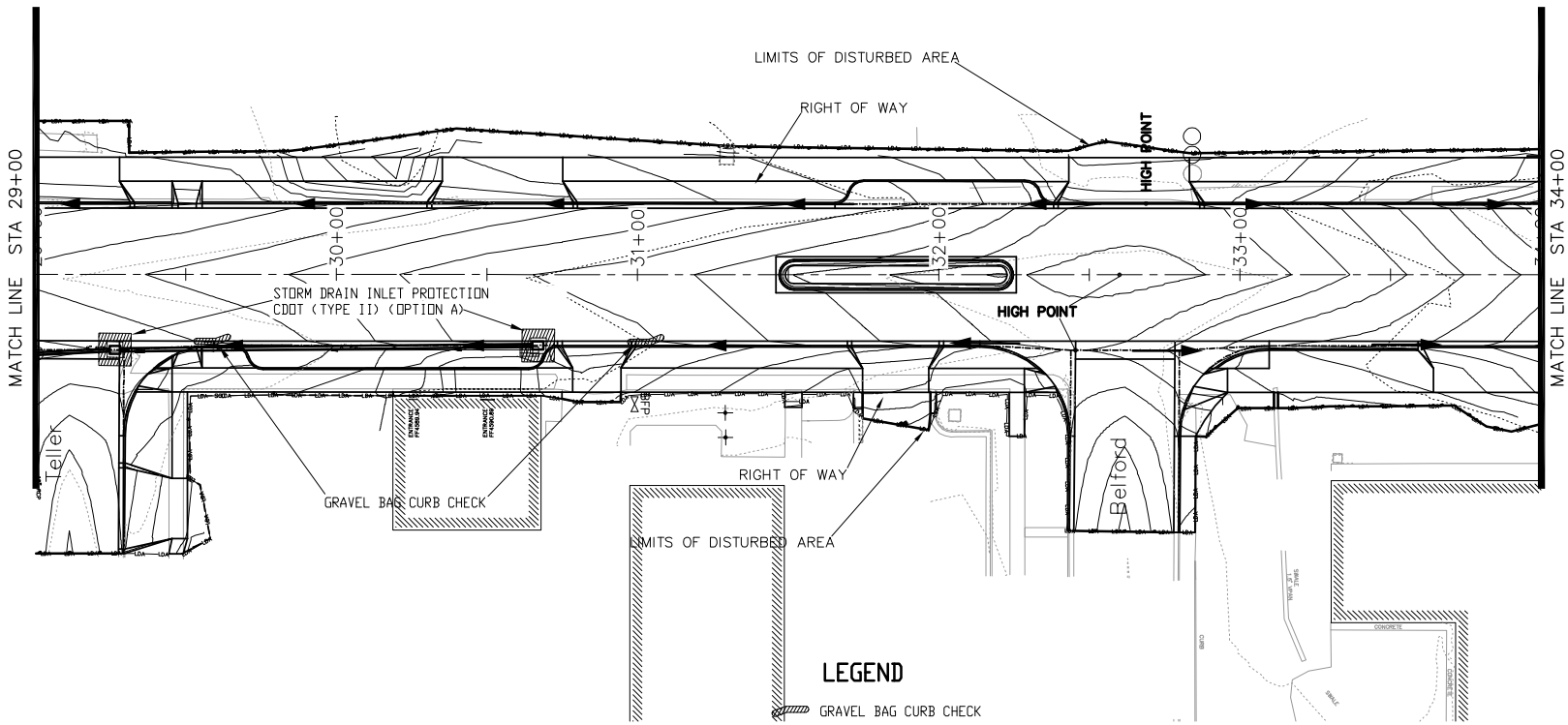
1ST STREET RECONSTRUCTION
STORM WATER MANGAGEMENT PLAN-SITE PLAN
STA 24+00 TO STA 29+00

45

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\SWMP-SP.dwg, (3), 12/15/2016 9:10:55 AM

PROJECT NO. 201-F1501

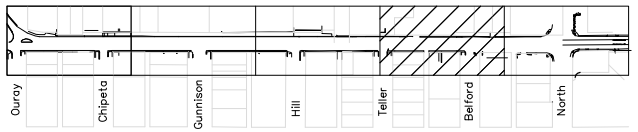
SEE STAKING PLANS FOR STAKING DATA



LEGEND

- GRAVEL BAG CURB CHECK
- STORM DRAIN INLET PROTECTION TYPE AS NOTED
- LDA LDA LDA LDA LIMITS OF DISTURBED AREA

NOTES:
1. SEE ROADWAY PLANS FOR SEEDING AND INORGANIC MULCHING REQUIREMENTS.
2. BMPS NOT DRAWN TO SCALE.
3. BMP PLACEMENT IS APPROXIMATE.
4. SEE SWMP NARRATIVE FOR BMPS.
5. ECS TO UPDATE SWMP SITE PLANS DURING CONSTRUCTION.
6. ECS TO DETERMINE LOCATIONS FOR CONCRETE WASHOUTS AND STAGING AREAS.



KEYMAP

DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

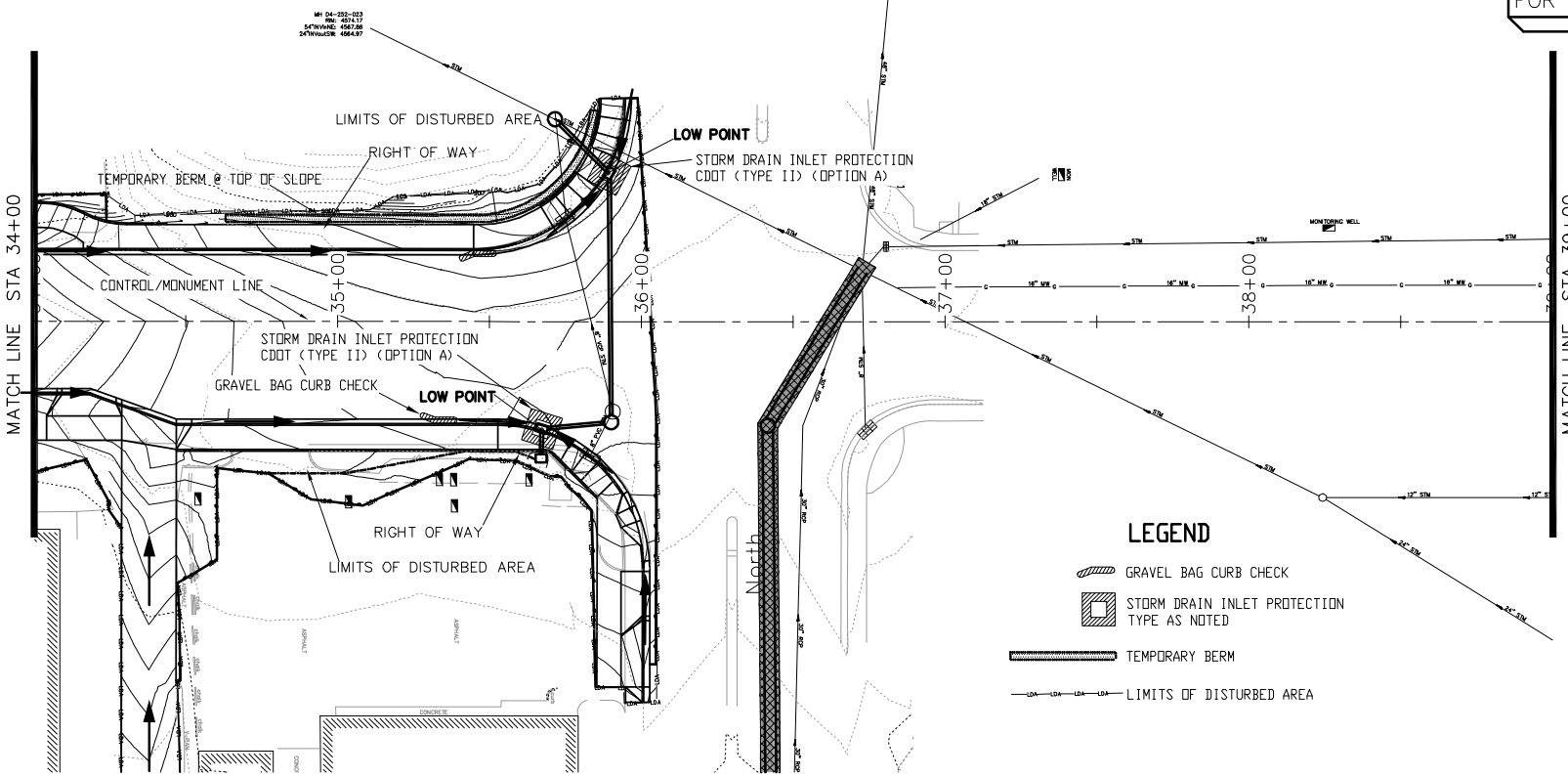
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM WATER MANGAGEMENT PLAN-SITE PLAN
STA 29+00 TO STA 34+00

46

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\SWMP-SP.dwg, (4), 12/16/2016 6:27:33 AM

PROJECT NO. 201-F1501



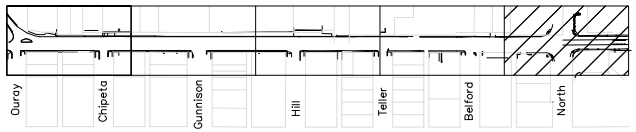
SEE STAKING PLANS FOR STAKING DATA

LEGEND

- GRAVEL BAG CURB CHECK
- STORM DRAIN INLET PROTECTION TYPE AS NOTED
- TEMPORARY BERM
- LIMITS OF DISTURBED AREA

NOTES:

1. SEE ROADWAY PLANS FOR SEEDING AND INORGANIC MULCHING REQUIREMENTS.
2. BMPS NOT DRAWN TO SCALE.
3. BMP PLACEMENT IS APPROXIMATE.
4. SEE SWMP NARRATIVE FOR BMPS.
5. ECS TO UPDATE SWMP SITE PLANS DURING CONSTRUCTION.
6. ECS TO DETERMINE LOCATIONS FOR CONCRETE WASHOUTS AND STAGING AREAS.



KEYMAP

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STORM WATER MANGAGEMENT PLAN-SITE PLAN
STA 34+00 TO STA 39+00

47

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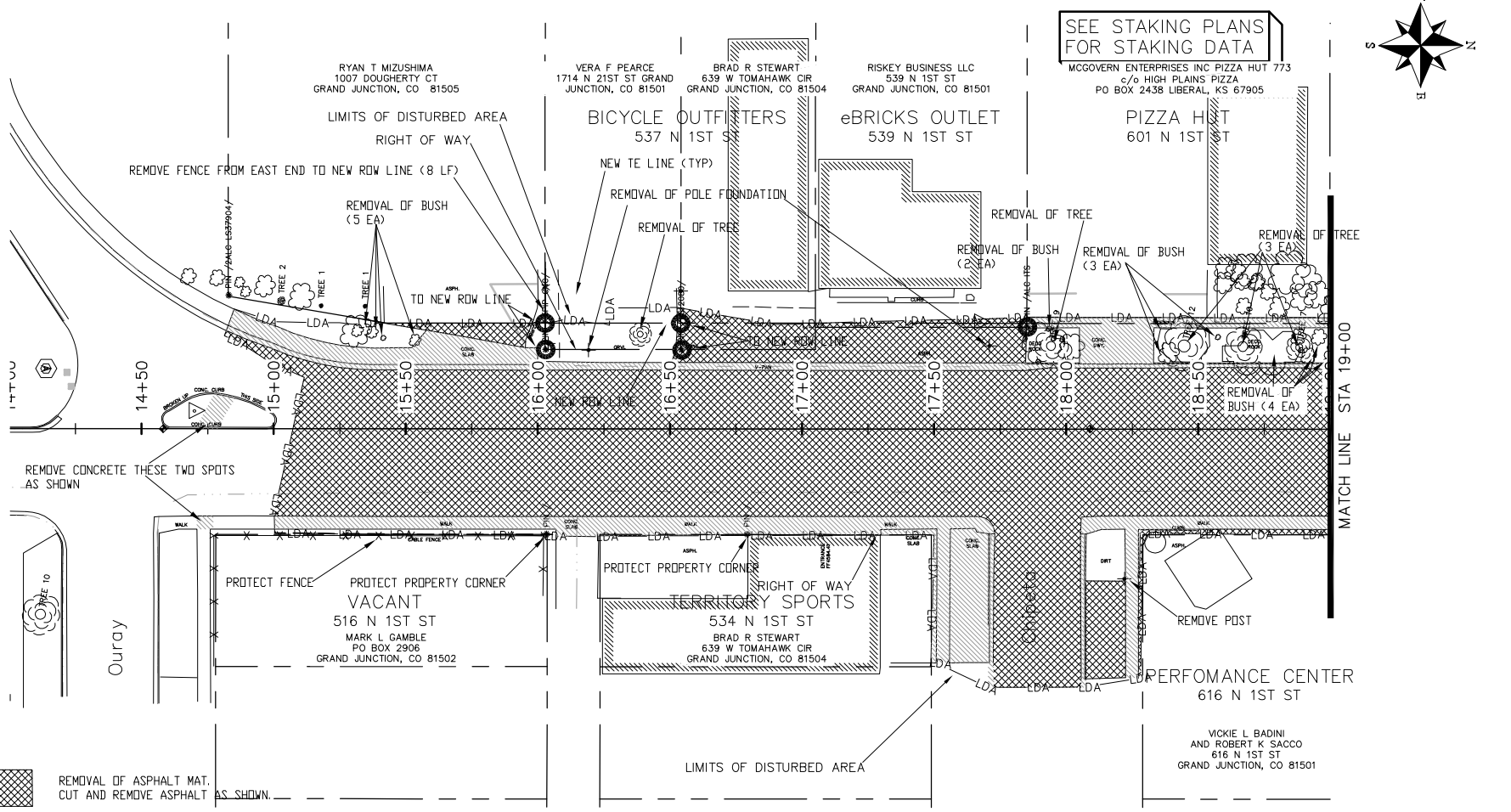
PROJECT NO. 201-F1501



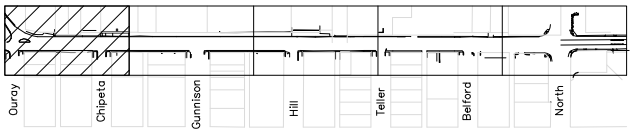
LEGEND

REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN.

REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.

REMOVAL OF SOD.

REFERENCE AND RESET SURVEY MONUMENT. PRIOR TO ANY CONSTRUCTION THE CONTRACTOR'S SURVEYOR MUST SUBMIT FIELD NOTES DETAILING THE PERMANENT REFERENCES PLACED FOR EACH MONUMENT IN DANGER OF LOSS DUE TO CONSTRUCTION. THE METHOD OF REFERENCING MUST BE APPROVED BY THE CITY SURVEYOR PRIOR TO ANY CONSTRUCTION. AFTER CONSTRUCTION, THE SURVEYOR MUST FILE A NEW MONUMENT RECORD FOR EACH POINT THAT WAS REPLACED.



KEYMAP

DESCRIPTION	DATE
REVISION 1 XXX	201X
REVISION 2 XXX	201X
REVISION 3 XXX	201X
REVISION 4 XXX	201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
REMOVAL PLAN
STA 14+00 TO STA 19+00

48

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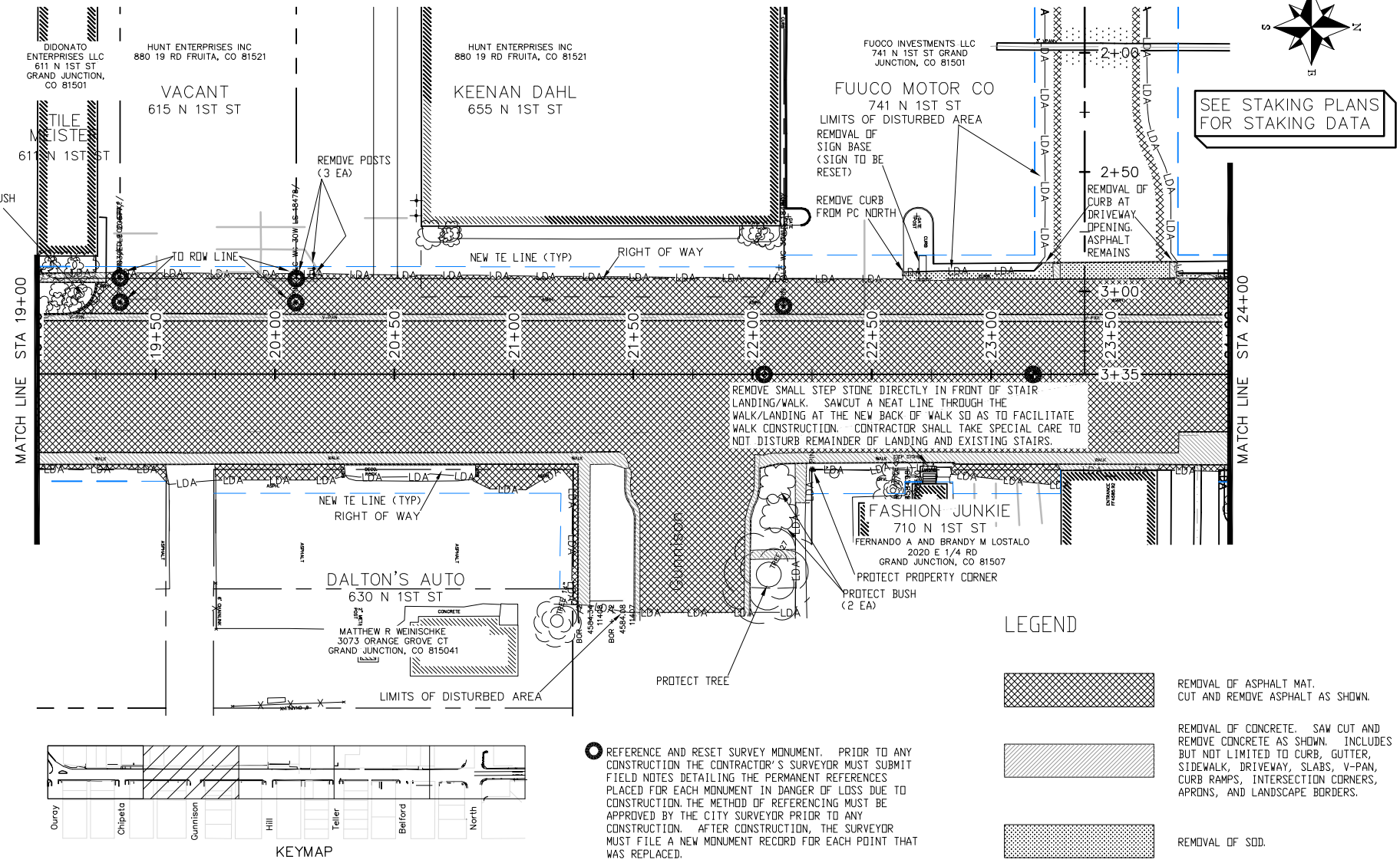
PROJECT NO. 201-F1501



KEYMAP

REFERENCE AND RESET SURVEY MONUMENT. PRIOR TO ANY CONSTRUCTION THE CONTRACTOR'S SURVEYOR MUST SUBMIT FIELD NOTES DETAILING THE PERMANENT REFERENCES PLACED FOR EACH MONUMENT IN DANGER OF LOSS DUE TO CONSTRUCTION. THE METHOD OF REFERENCING MUST BE APPROVED BY THE CITY SURVEYOR PRIOR TO ANY CONSTRUCTION. AFTER CONSTRUCTION, THE SURVEYOR MUST FILE A NEW MONUMENT RECORD FOR EACH POINT THAT WAS REPLACED.

DESCRIPTION	DATE
REVISION XXX	201X
REVISION XXX	201X
REVISION XXX	201X
REVISION XXX	201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE HORIZONTAL 0 10 20 40 VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

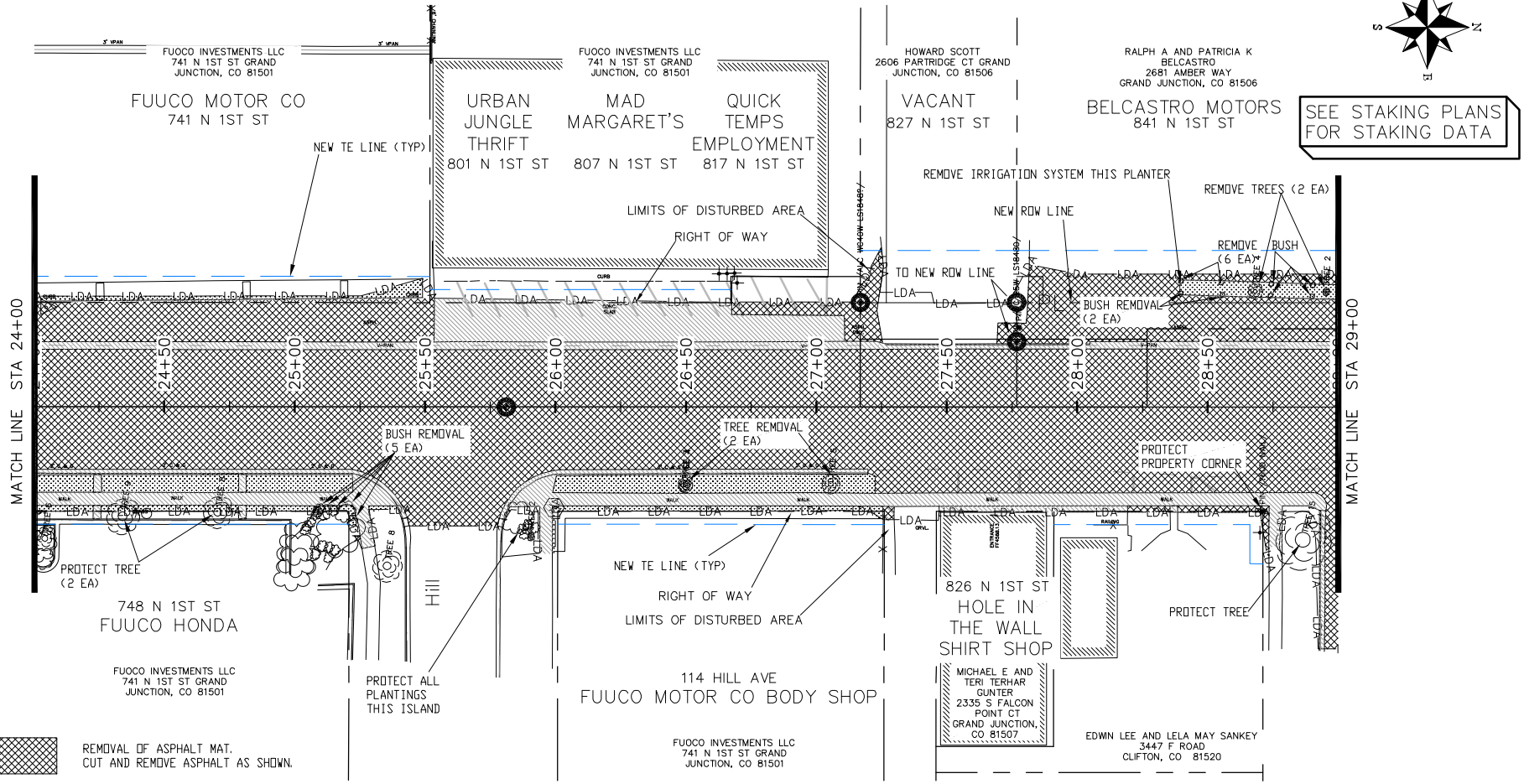
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
REMOVAL PLAN
STA 19+00 TO STA 24+00

49

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\REMOVAL PLAN.dwg, (2), 12/27/2016 5:12:30 PM

PROJECT NO. 201-F1501



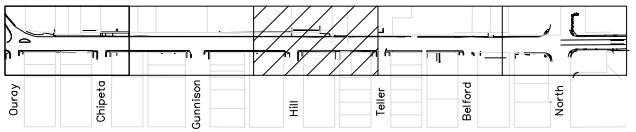
LEGEND

REMOVAL OF ASPHALT MAT.
CUT AND REMOVE ASPHALT AS SHOWN.

REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.

REMOVAL OF SOD.

REFERENCE AND RESET SURVEY MONUMENT. PRIOR TO ANY CONSTRUCTION THE CONTRACTOR'S SURVEYOR MUST SUBMIT FIELD NOTES DETAILING THE PERMANENT REFERENCES PLACED FOR EACH MONUMENT IN DANGER OF LOSS DUE TO CONSTRUCTION. THE METHOD OF REFERENCING MUST BE APPROVED BY THE CITY SURVEYOR PRIOR TO ANY CONSTRUCTION. AFTER CONSTRUCTION, THE SURVEYOR MUST FILE A NEW MONUMENT RECORD FOR EACH POINT THAT WAS REPLACED.



KEYMAP

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
REMOVAL PLAN
STA 24+00 TO STA 29+00

50

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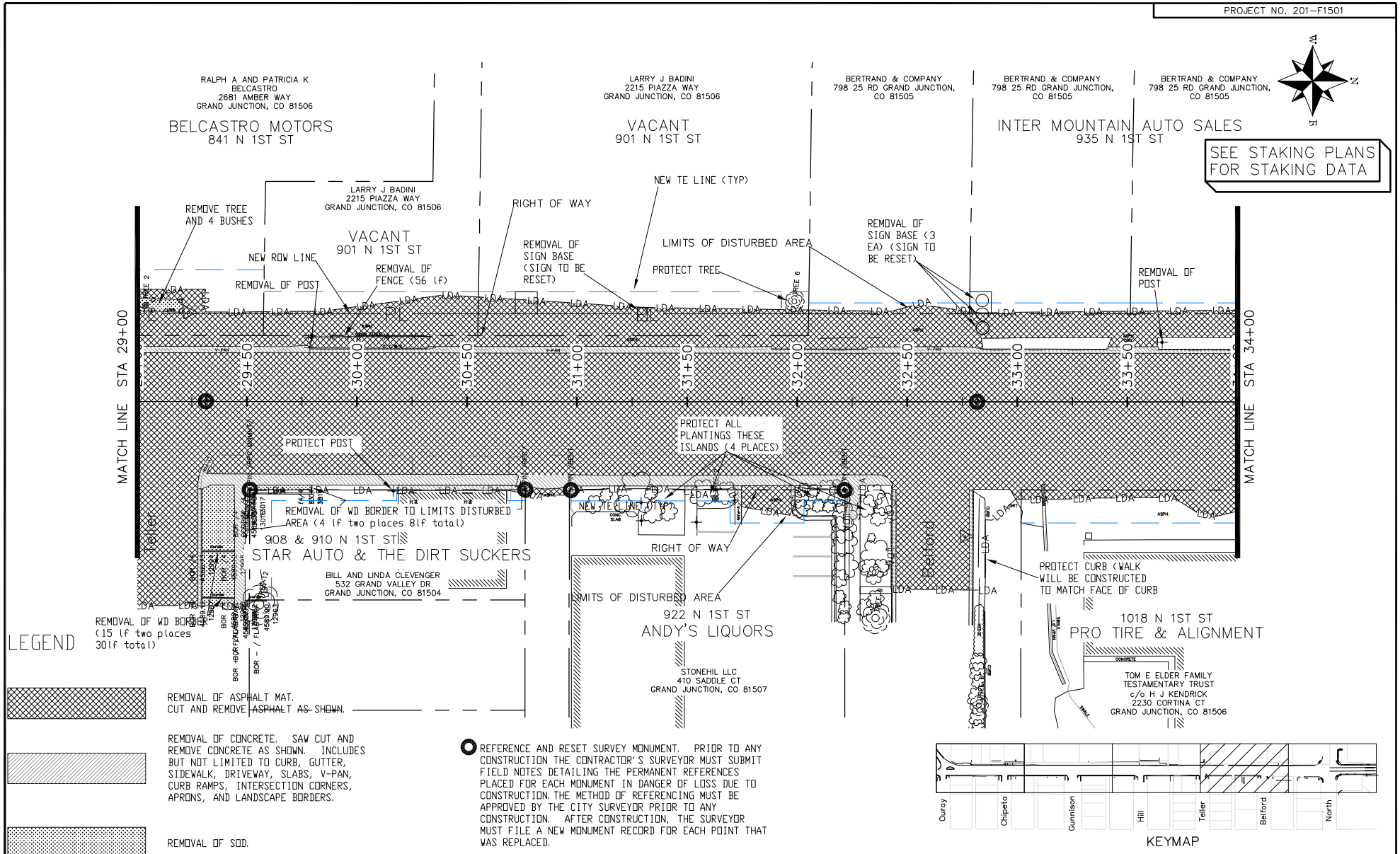
PROJECT NO. 201-F1501



DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE HORIZONTAL 0 10 20 40 VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
REMOVAL PLAN
STA 29+00 TO STA 34+00

51

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PROJECT NO. 201-F1501

LEGEND

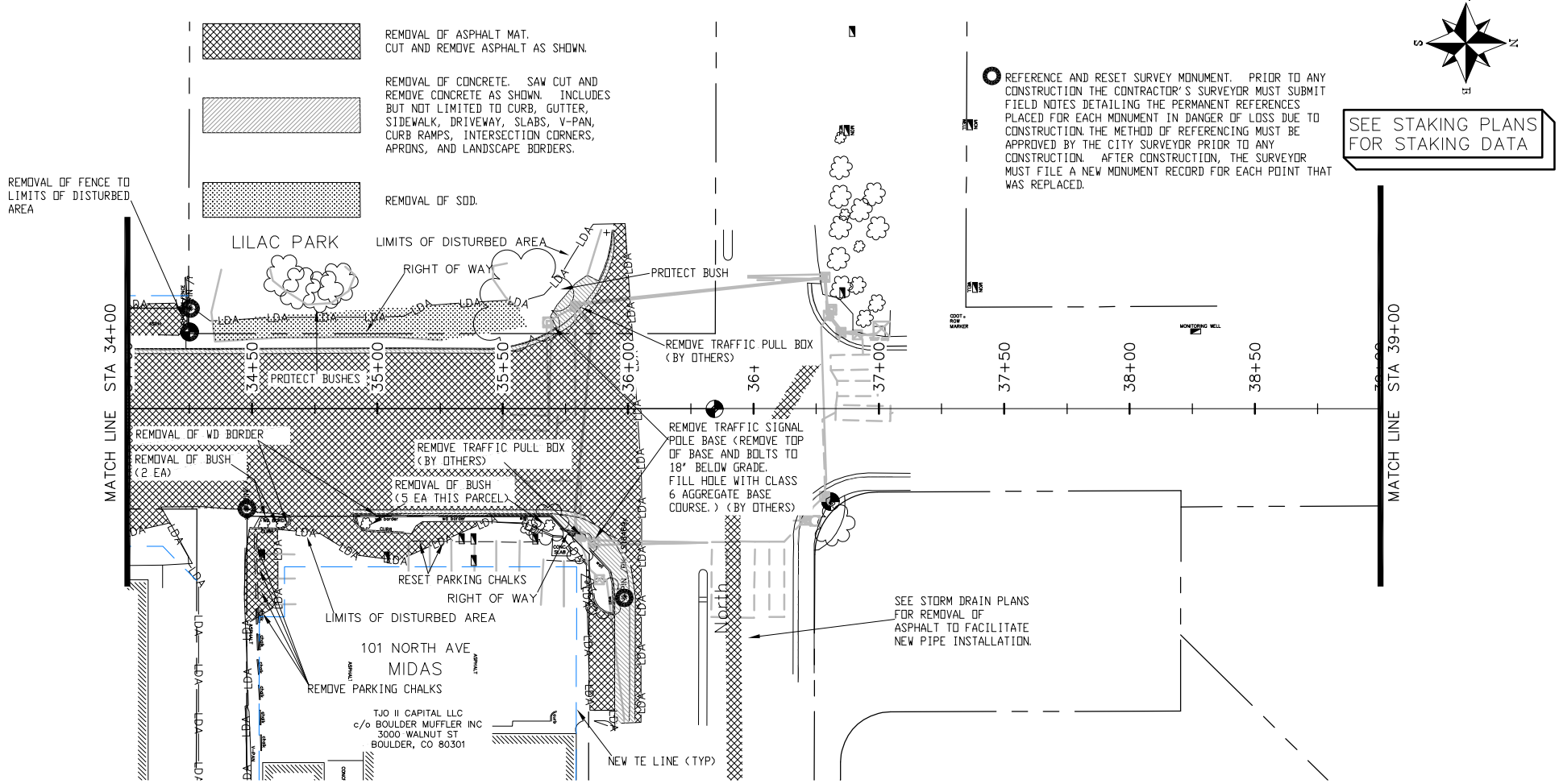
REMOVAL OF ASPHALT MAT.
CUT AND REMOVE ASPHALT AS SHOWN.

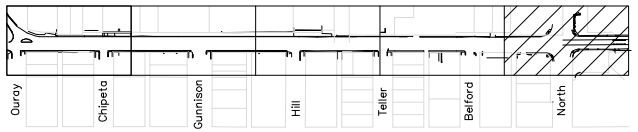
REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.

REMOVAL OF SOD.

REFERENCE AND RESET SURVEY MONUMENT. PRIOR TO ANY CONSTRUCTION THE CONTRACTOR'S SURVEYOR MUST SUBMIT FIELD NOTES DETAILING THE PERMANENT REFERENCES PLACED FOR EACH MONUMENT IN DANGER OF LOSS DUE TO CONSTRUCTION. THE METHOD OF REFERENCING MUST BE APPROVED BY THE CITY SURVEYOR PRIOR TO ANY CONSTRUCTION. AFTER CONSTRUCTION, THE SURVEYOR MUST FILE A NEW MONUMENT RECORD FOR EACH POINT THAT WAS REPLACED.

SEE STAKING PLANS FOR STAKING DATA





KEYMAP

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DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 NA NA

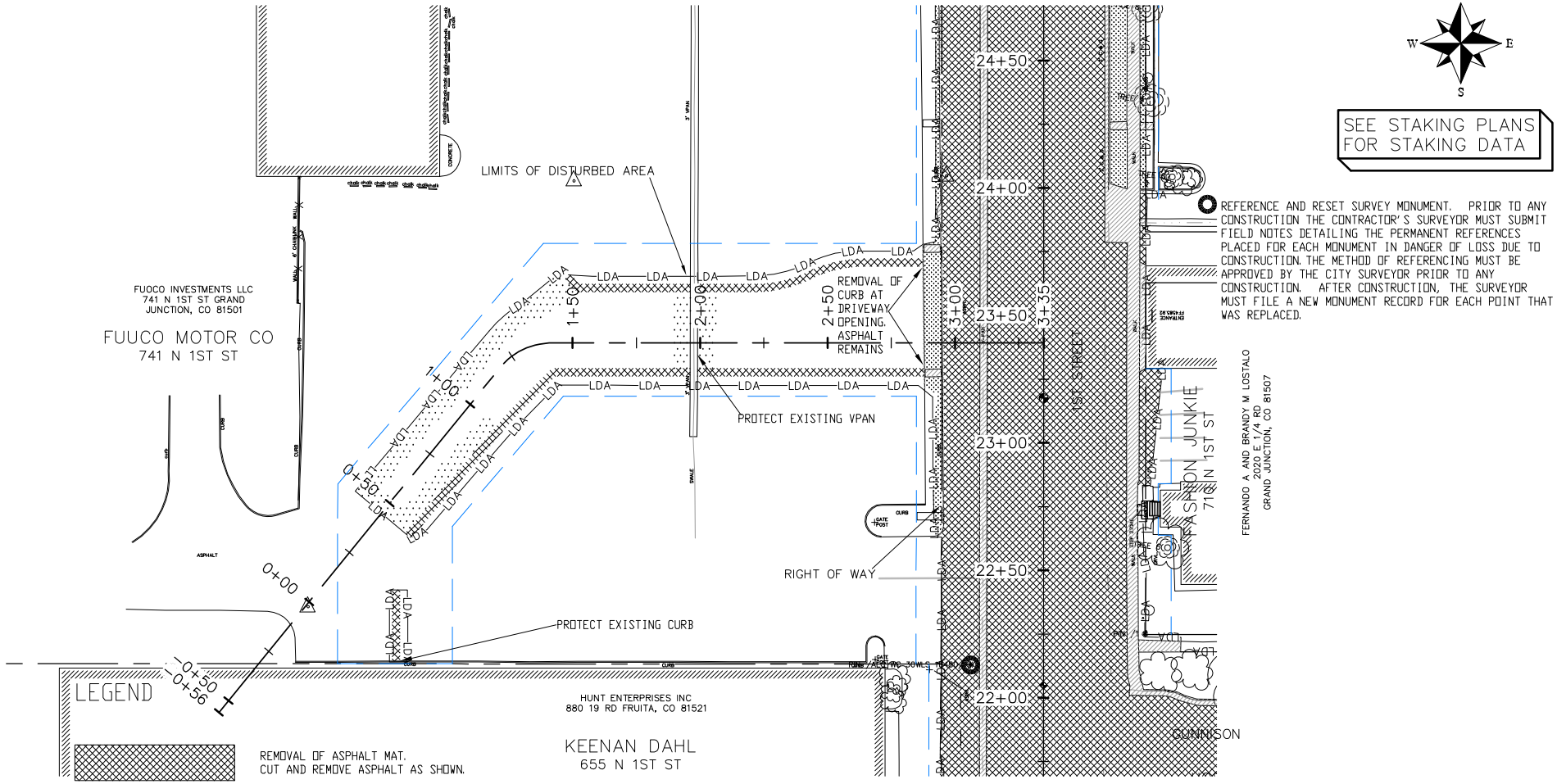
CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
REMOVAL PLAN
STA 34+00 TO STA 39+00

52

PROJECT NO. 201-F1501



SEE STAKING PLANS FOR STAKING DATA

REFERENCE AND RESET SURVEY MONUMENT. PRIOR TO ANY CONSTRUCTION THE CONTRACTOR'S SURVEYOR MUST SUBMIT FIELD NOTES DETAILING THE PERMANENT REFERENCES PLACED FOR EACH MONUMENT IN DANGER OF LOSS DUE TO CONSTRUCTION. THE METHOD OF REFERENCING MUST BE APPROVED BY THE CITY SURVEYOR PRIOR TO ANY CONSTRUCTION. AFTER CONSTRUCTION, THE SURVEYOR MUST FILE A NEW MONUMENT RECORD FOR EACH POINT THAT WAS REPLACED.

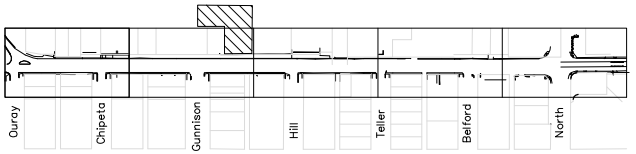
LEGEND

REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN.

REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.

EDGE MILL

REMOVAL OF SOD.



KEYMAP

DESCRIPTION	DATE
REVISION 1 XXX	201X
REVISION 2 XXX	201X
REVISION 3 XXX	201X
REVISION 4 XXX	201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

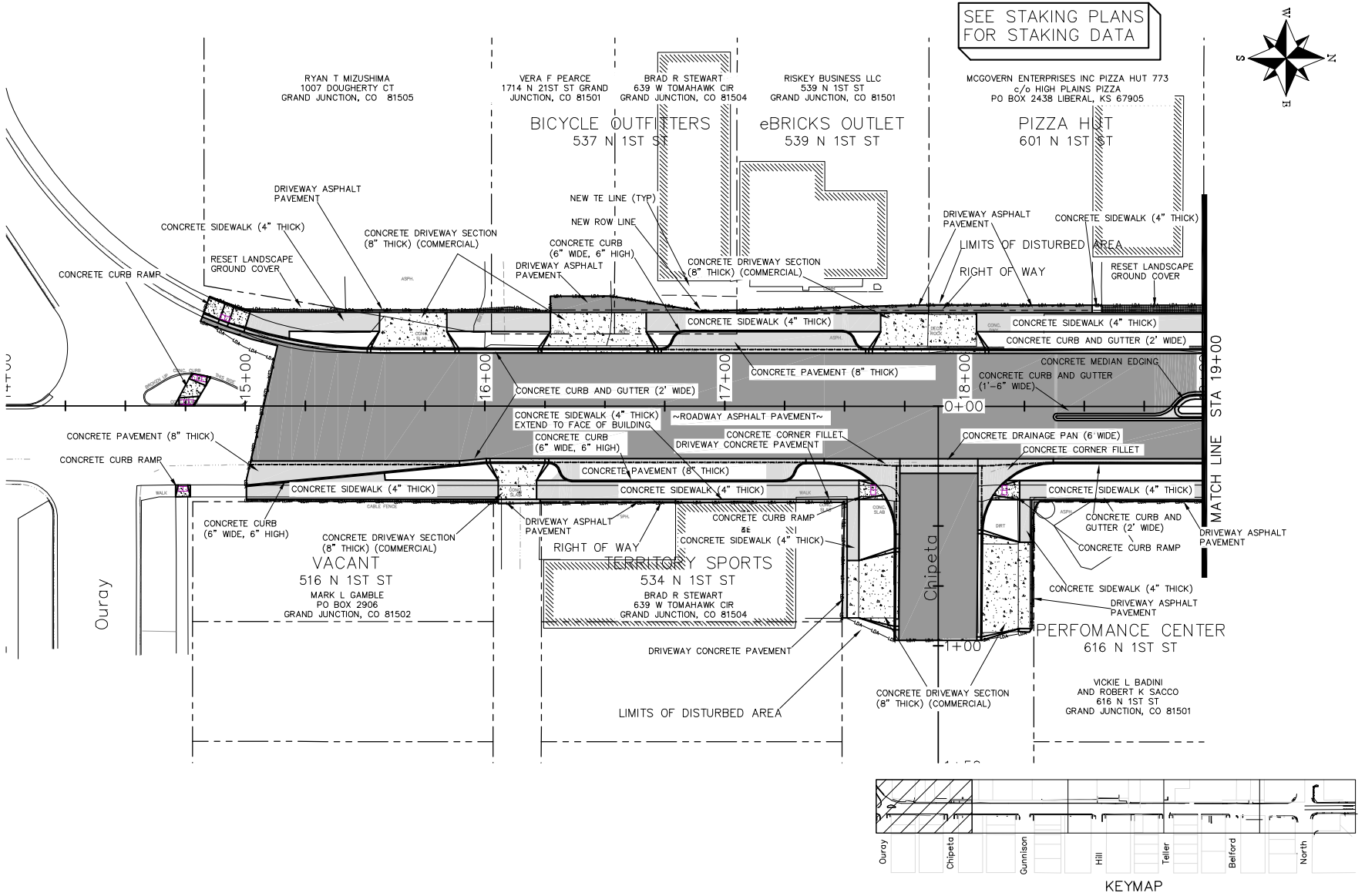
1ST STREET RECONSTRUCTION
REMOVAL PLAN
FUOCO CADILLAC

53

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\REMOVAL PLAN.dwg (6), 11/3/2016 2:24:43 PM

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



KEYMAP

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DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY	JCS	DATE	2016
DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES: PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

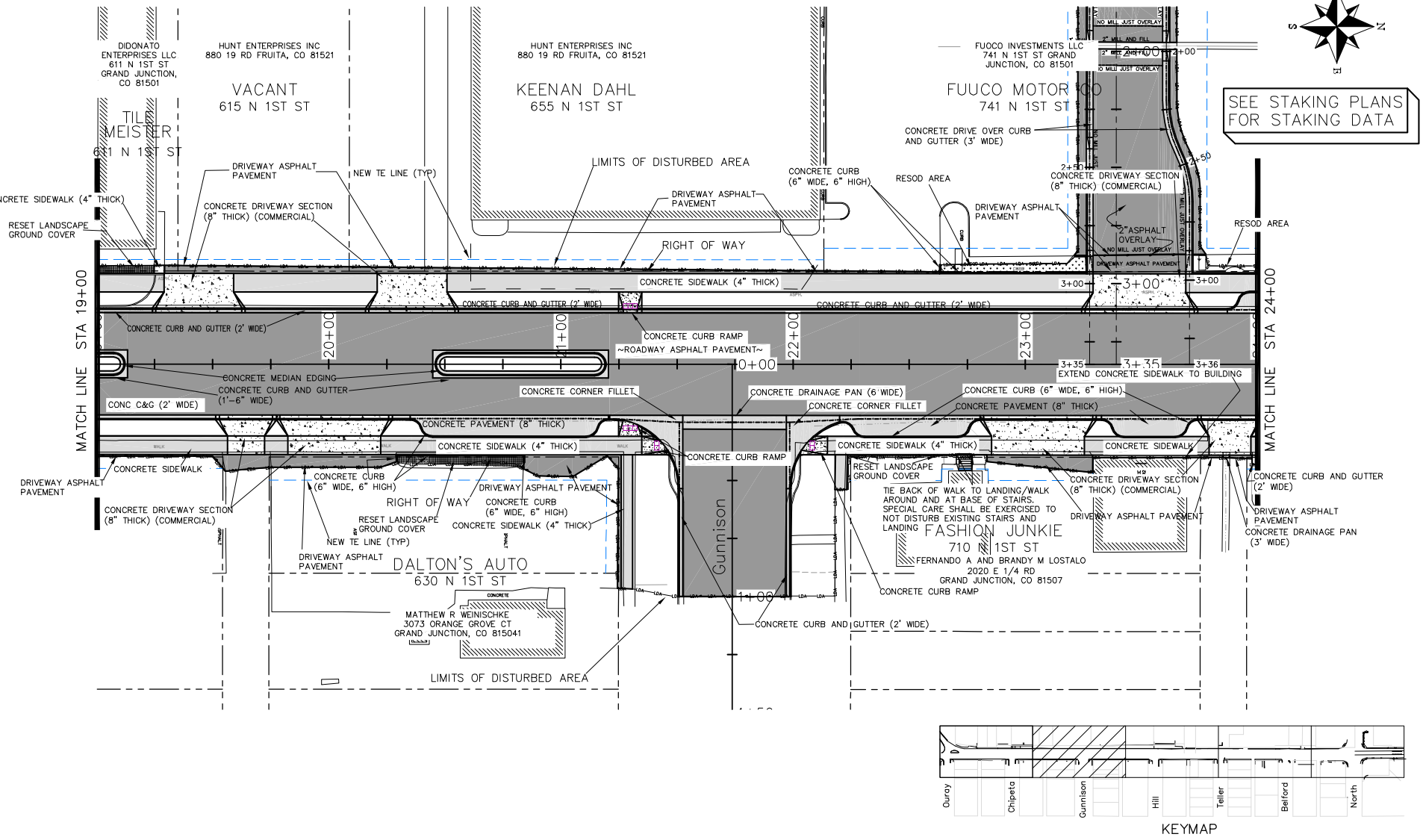
CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PLAN
STA 14+00 TO STA 19+00

54

PROJECT NO. 201-F1501



DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PLAN
STA 19+00 TO STA 24+00

55

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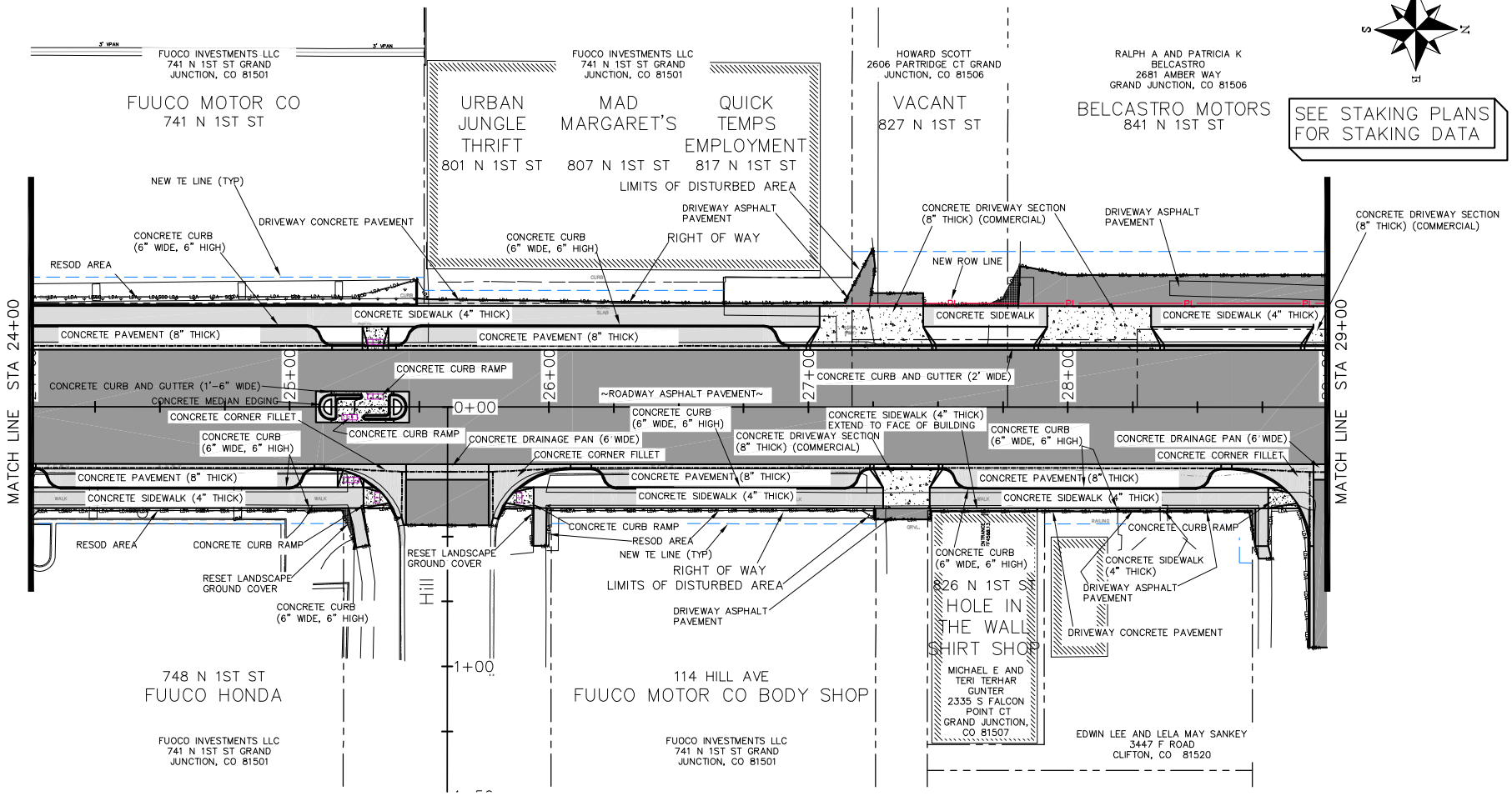
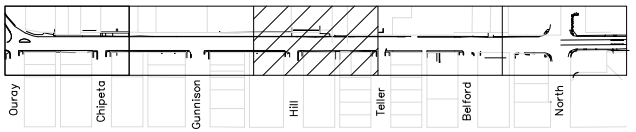
PROJECT NO. 201-F1501





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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PLAN
STA 24+00 TO STA 29+00

56

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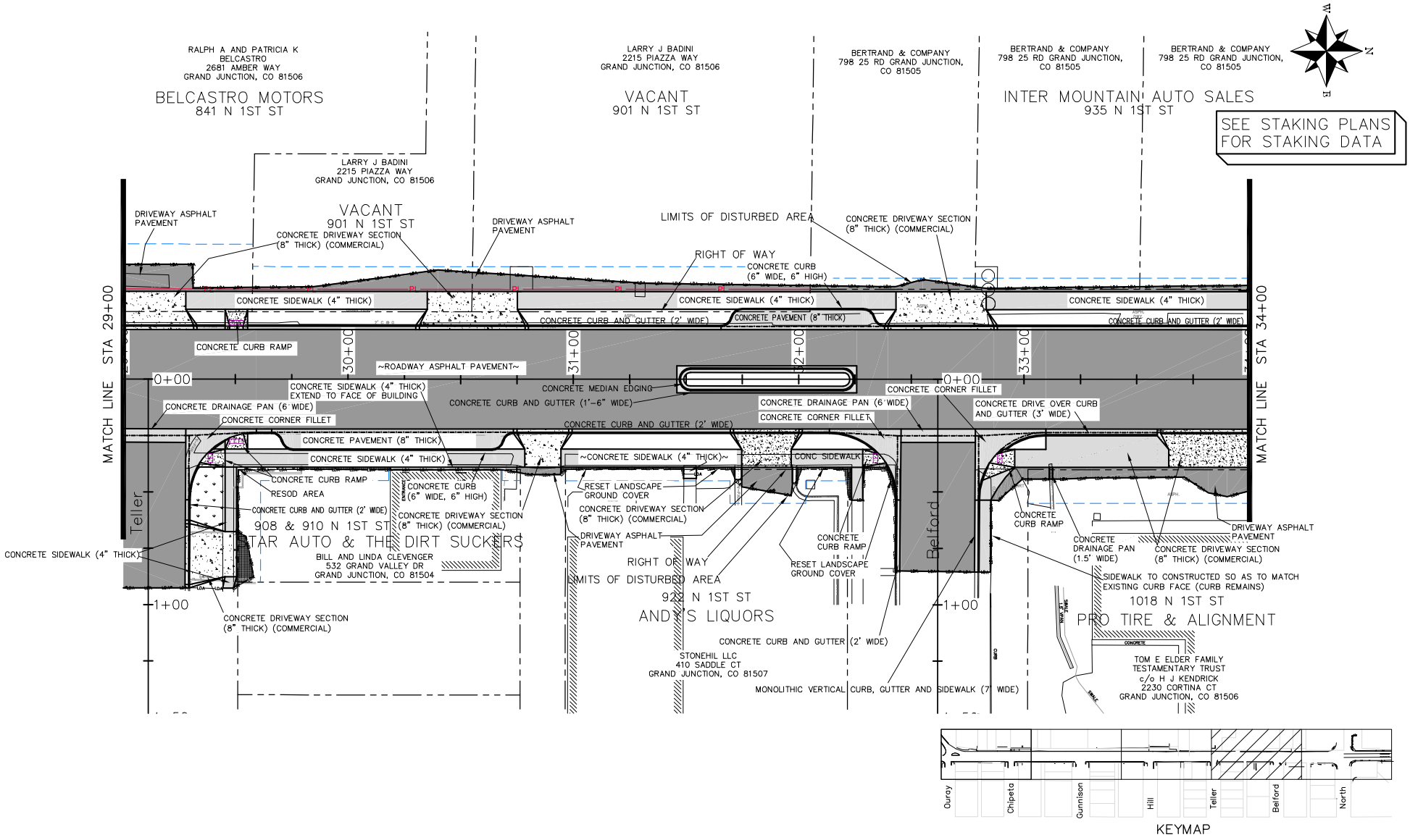
PROJECT NO. 201-F1501



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REVISION XXX	201X
REVISION XXX	201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PLAN
STA 29+00 TO STA 34+00

57

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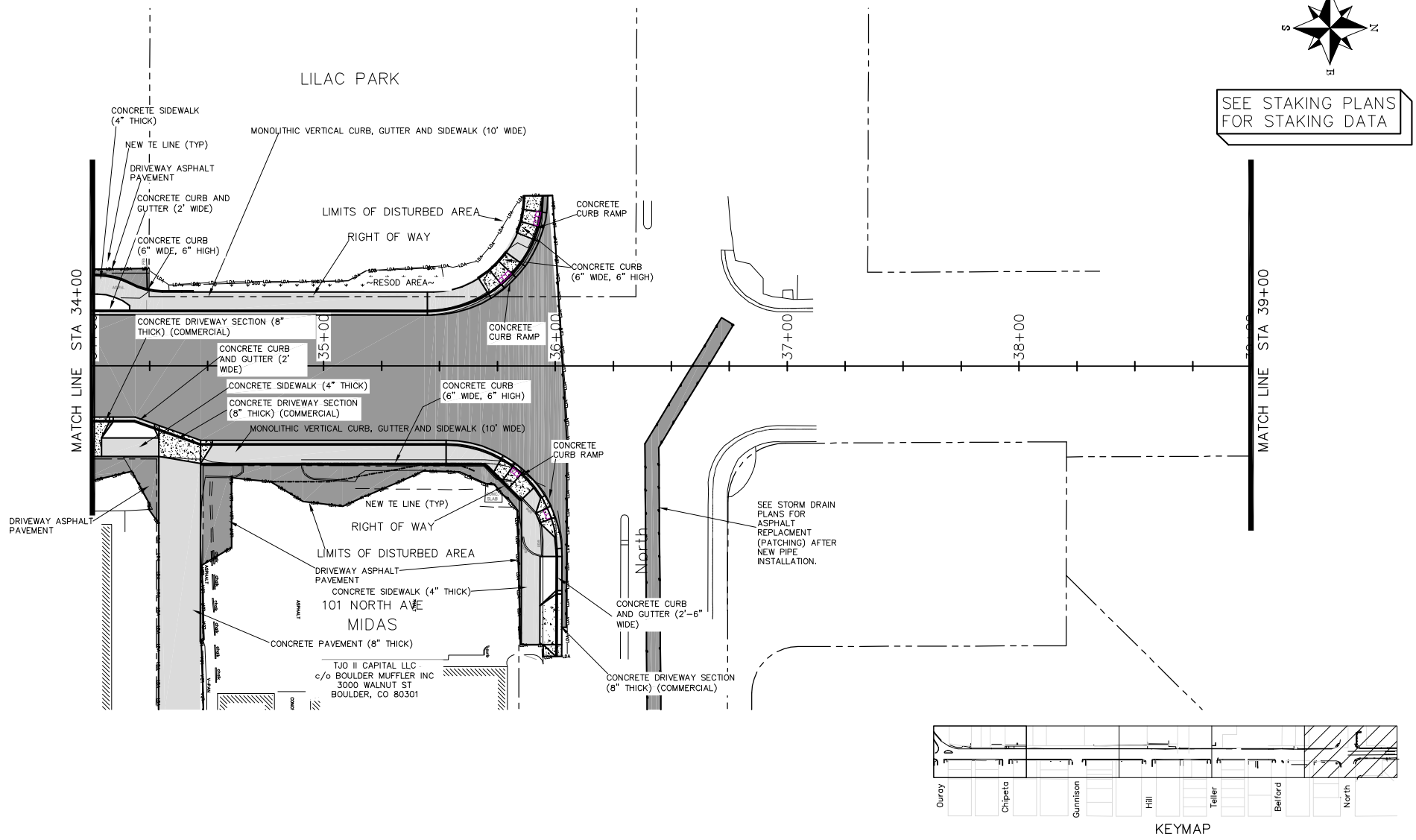
PROJECT NO. 201-F1501



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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

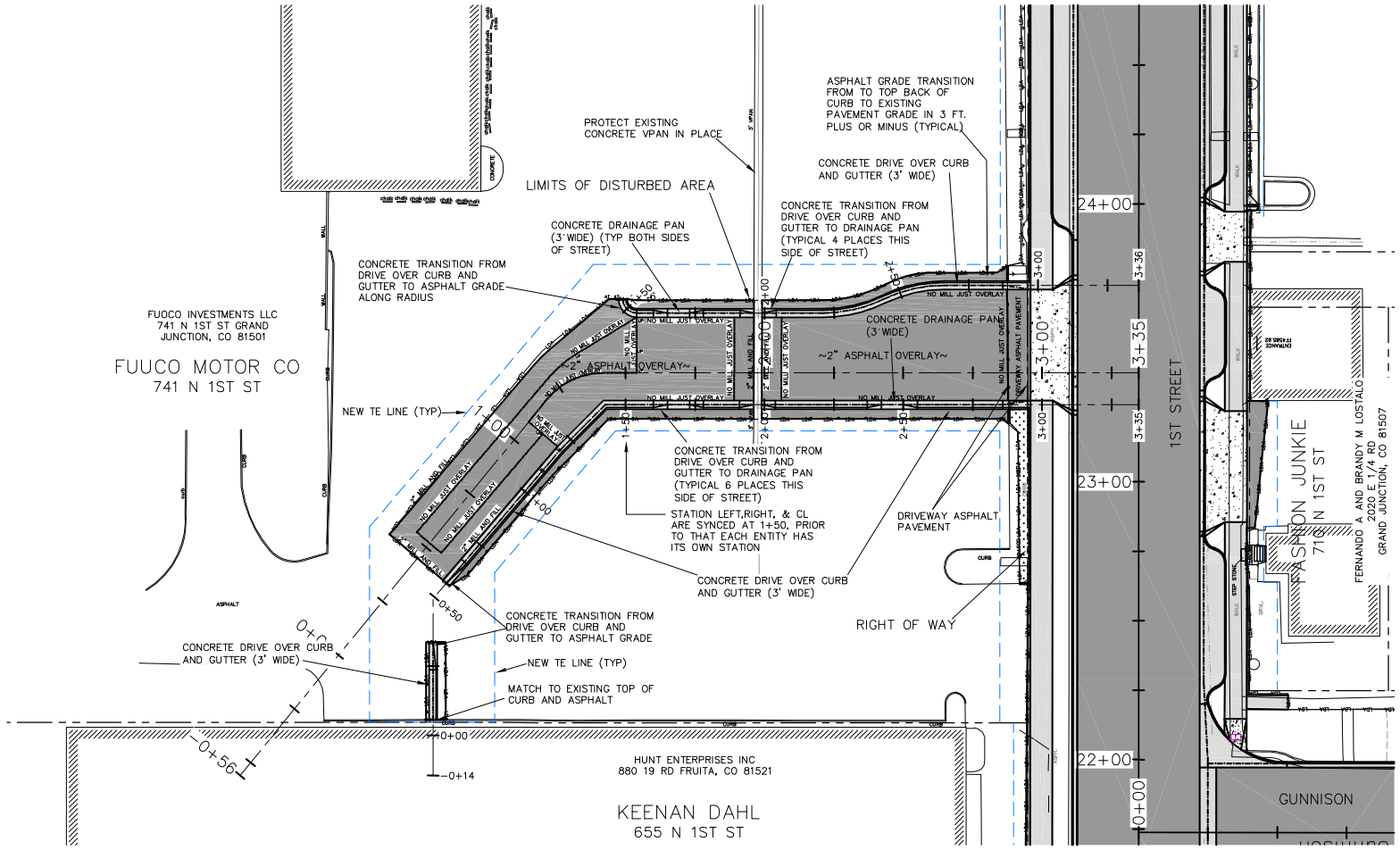
CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

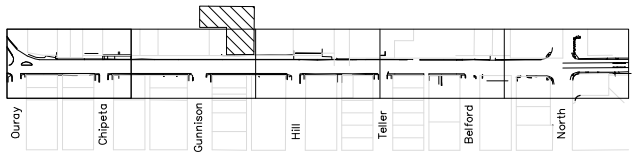
1ST STREET RECONSTRUCTION
ROADWAY PLAN
STA 34+00 TO STA 39+00

58

PROJECT NO. 201-F1501



SEE STAKING PLANS FOR STAKING DATA



KEYMAP

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REVISION 3 XXX	201X
REVISION 4 XXX	201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
DRIVEWAY PLAN
FUOCO CADILLAC

59

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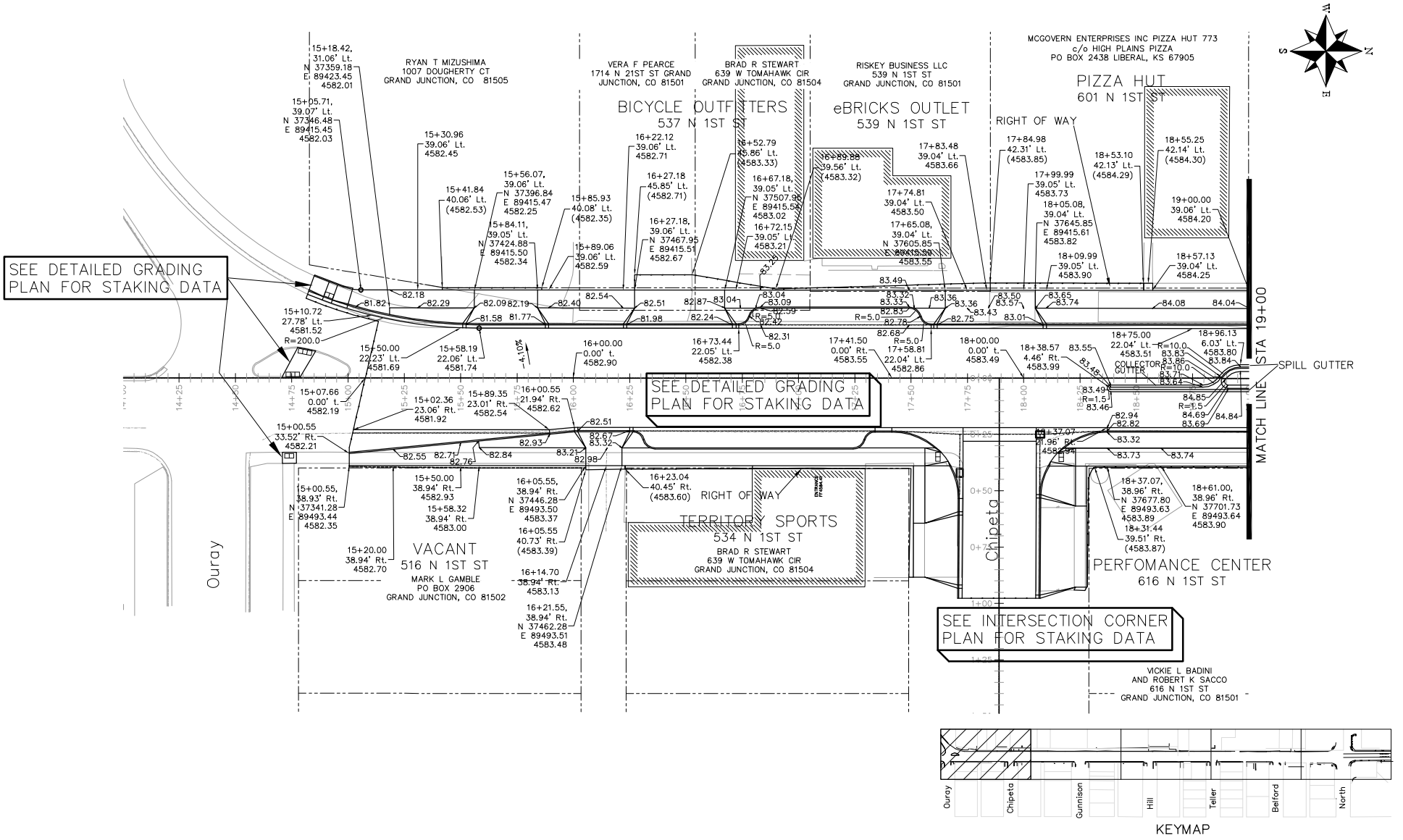
PROJECT NO. 201-F1501



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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY	JCS	DATE	2016
DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

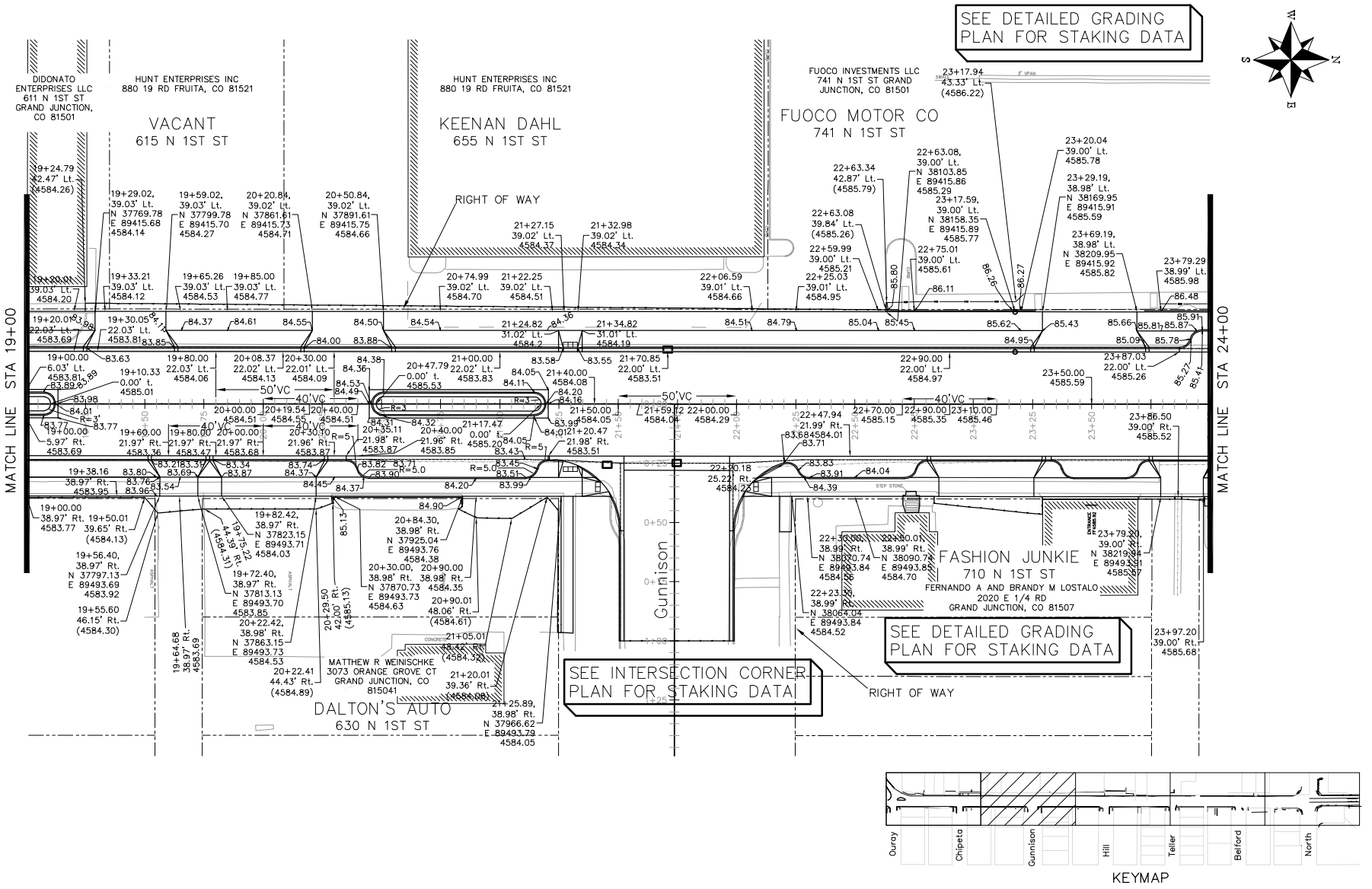
CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STAKING PLAN
STA 14+00 TO STA 19+00

60

PROJECT NO. 201-F1501



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DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES: PLAN & PROFILE HORIZONTAL 0 10 20 40 VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION STAKING PLAN STA 19+00 TO STA 24+00

61

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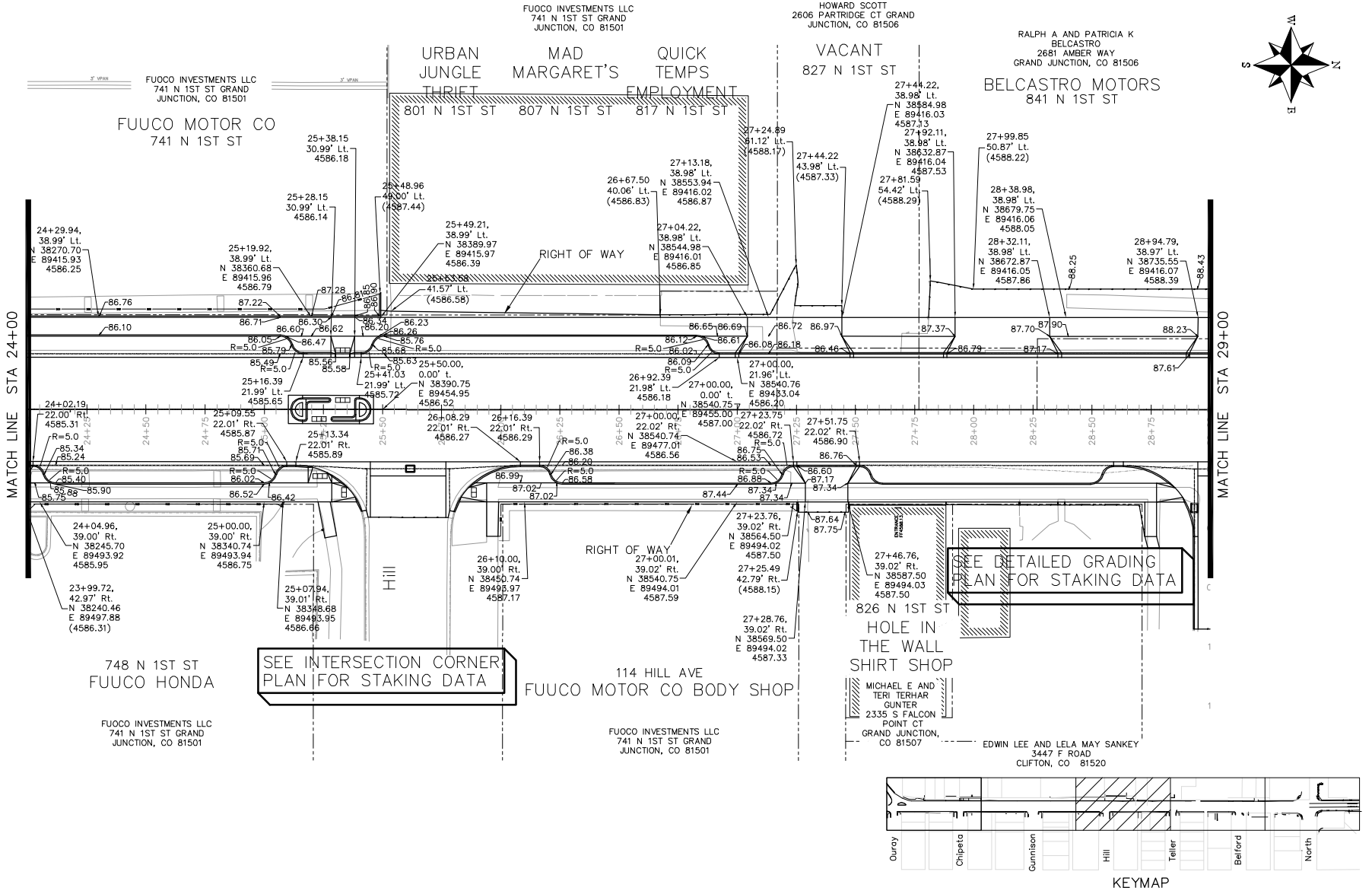
PROJECT NO. 201-F1501



DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

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DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES: PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STAKING PLAN
STA 24+00 TO STA 29+00

62

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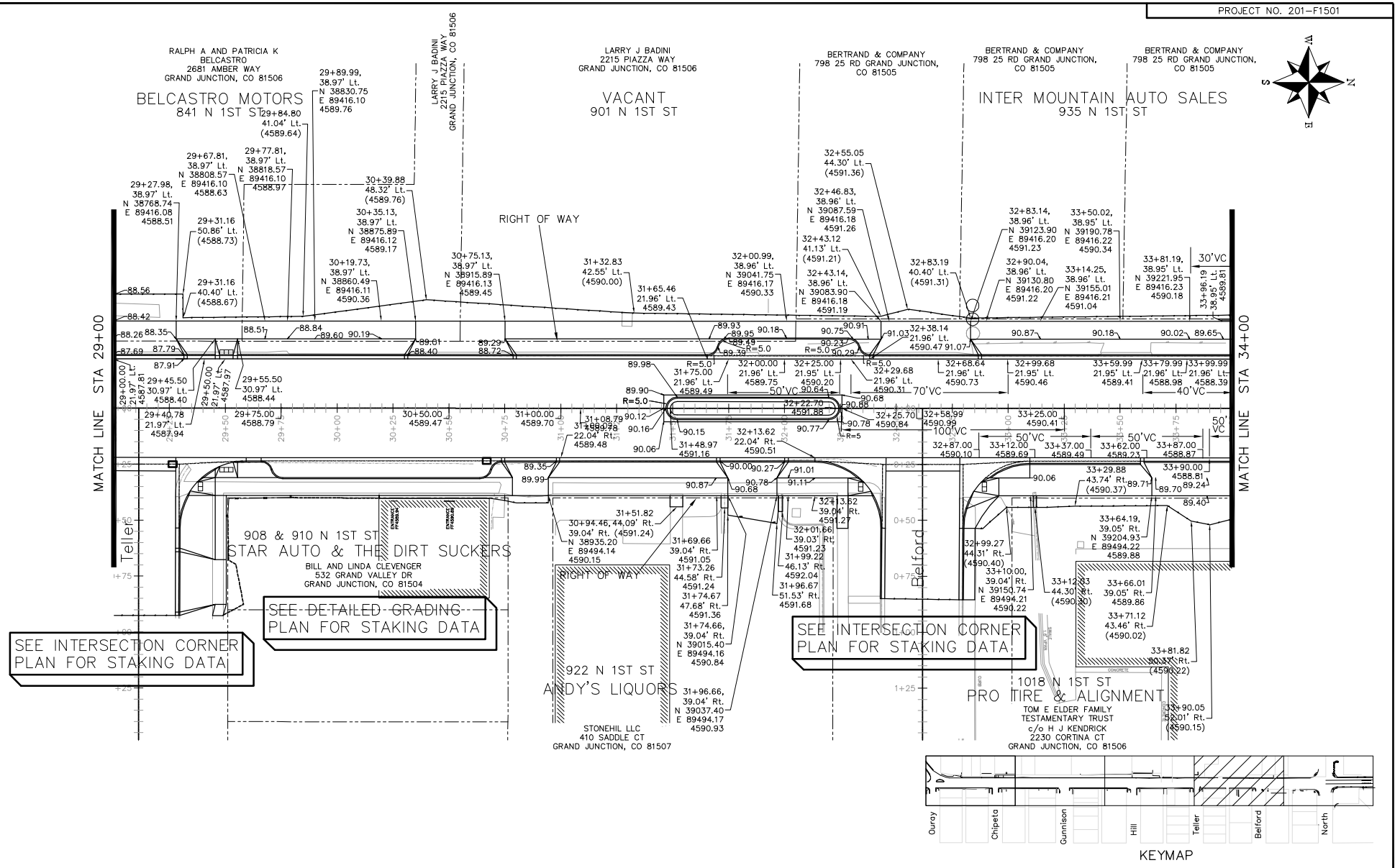
PROJECT NO. 201-F1501



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DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STAKING PLAN
STA 29+00 TO STA 34+00

63

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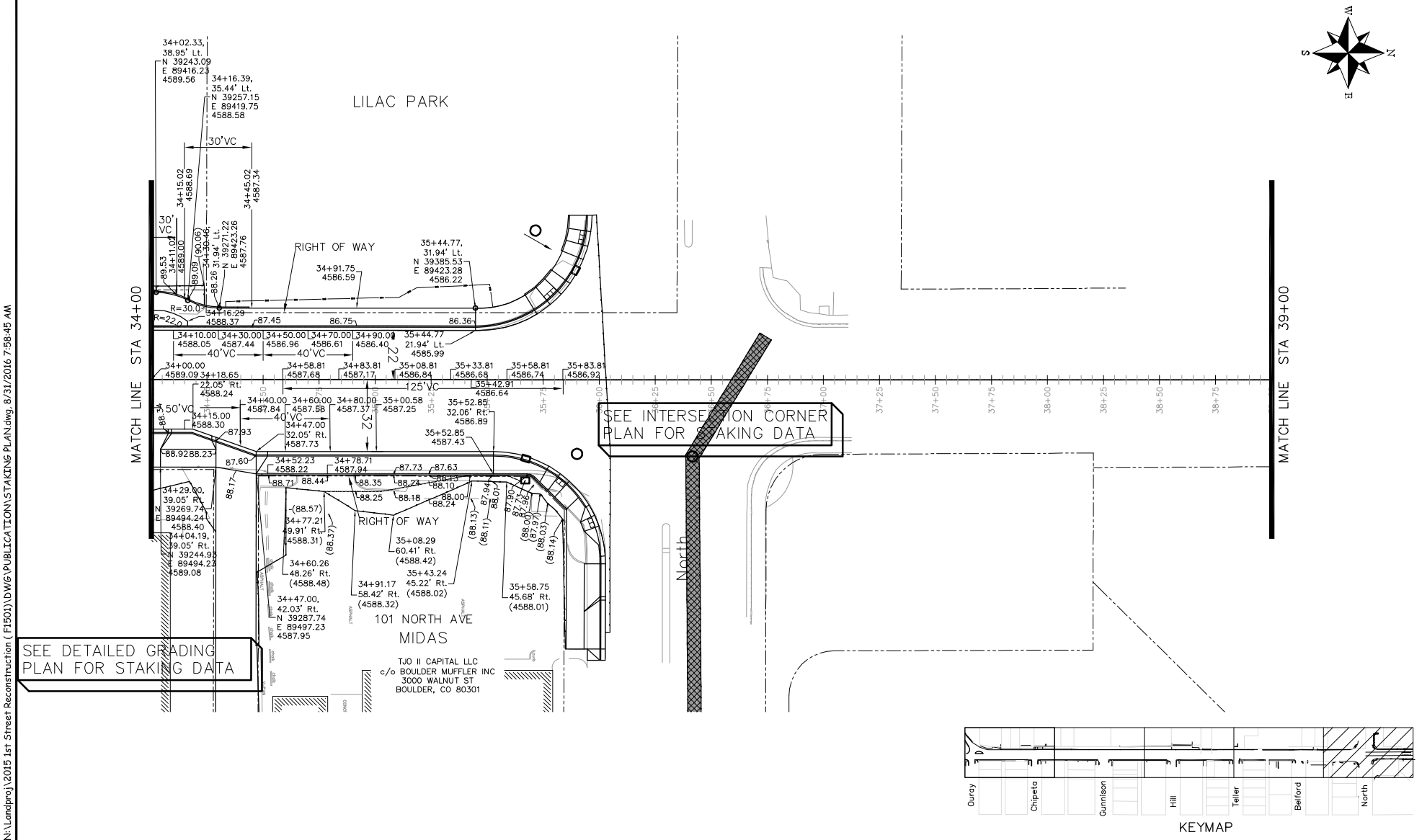
PROJECT NO. 201-F1501



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REVISION ⚠ XXX	– 201X

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DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES: PLAN & PROFILE HORIZONTAL 0 20 40 VERTICAL 0 NA NA

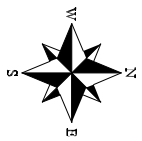
CITY OF Grand Junction COLORADO

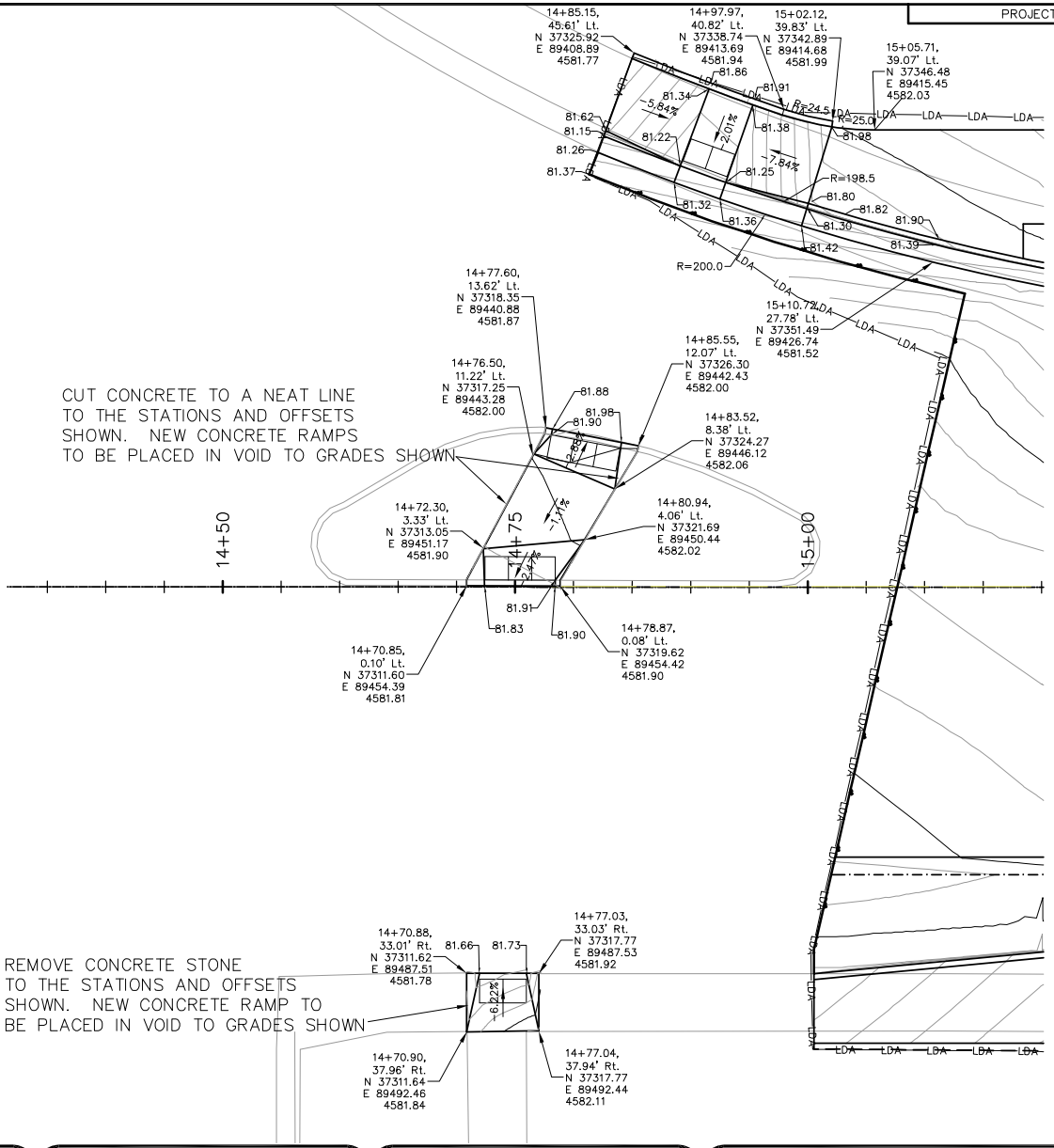
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

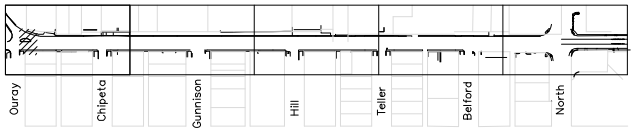
1ST STREET RECONSTRUCTION
STAKING PLAN
STA 34+00 TO STA 39+00

64

PROJECT NO. 201-F1501







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REVISION 3 XXX	– 201X
REVISION 4 XXX	– 201X

DRAWN BY	JCS	DATE	2016
DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

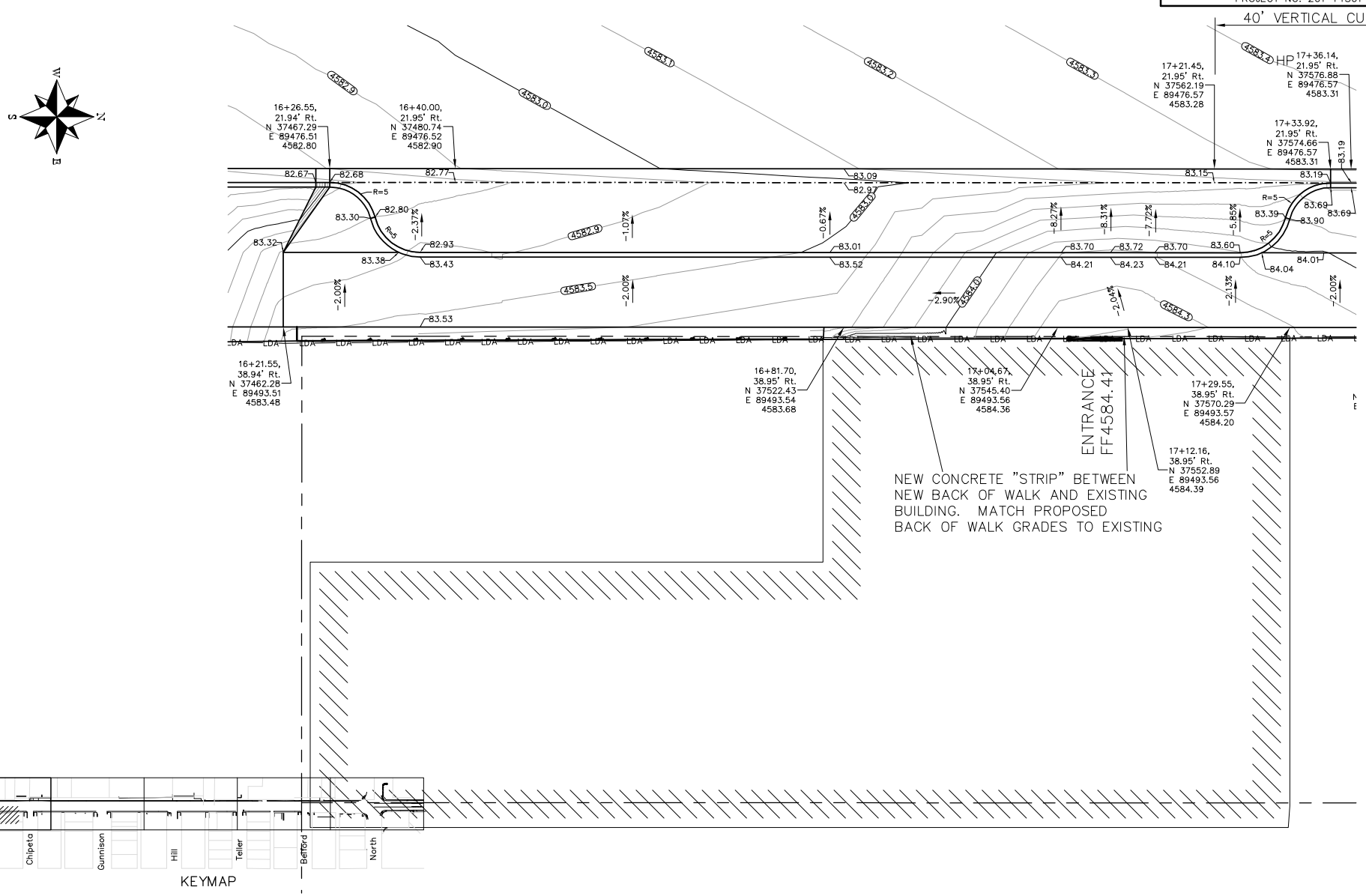
SCALES: PLAN & PROFILE
HORIZONTAL 0 5 10
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
DETAILED GRADING PLAN
PEDESTRIAN CROSSING AT OURAY

PROJECT NO. 201-F1501



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DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

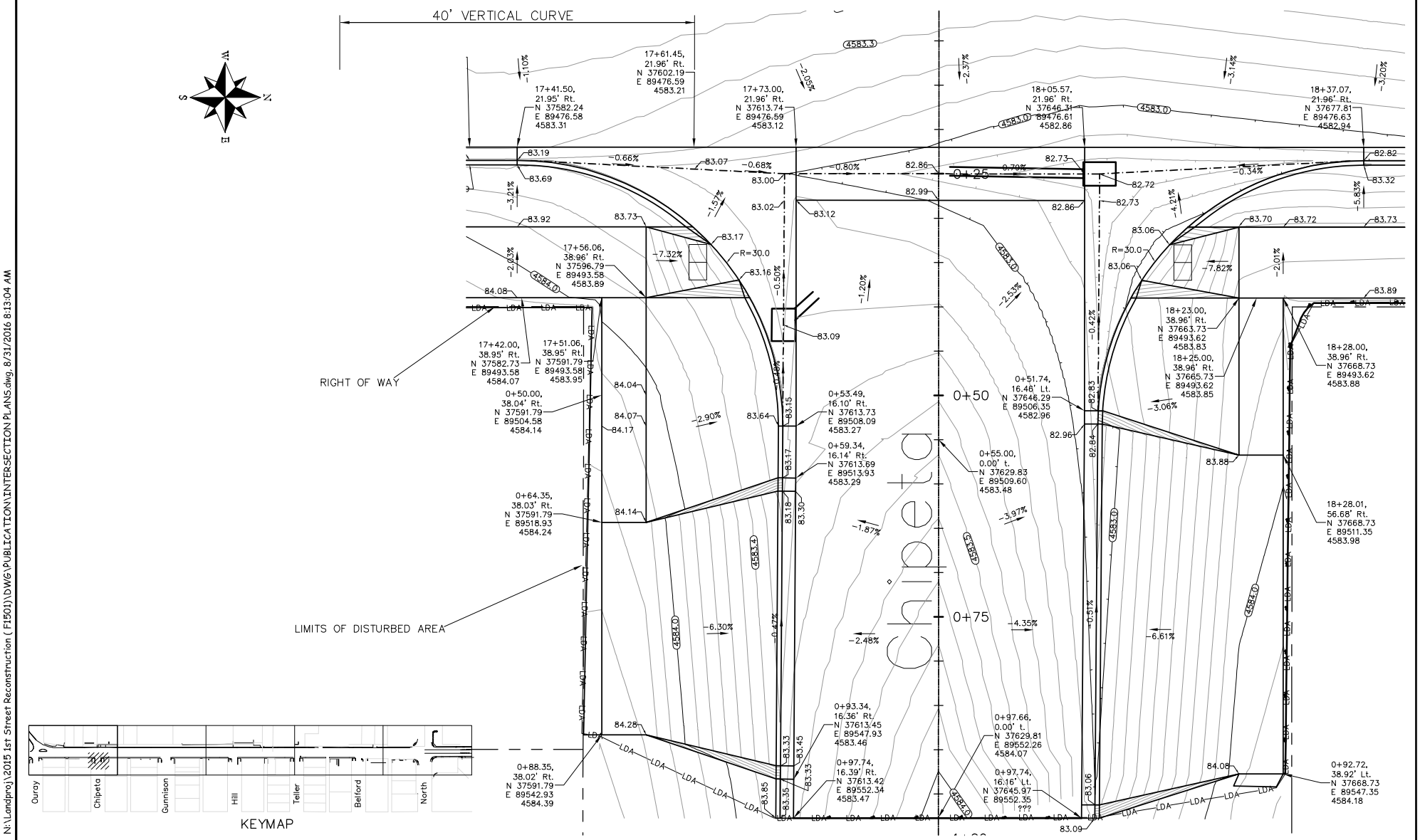
SCALES: PLAN & PROFILE HORIZONTAL 0 5 10 VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
DETAILED GRADING PLAN
TERRITORY SPORTS FRONT

PROJECT NO. 201-F1501



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DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 5 10
VERTICAL 0 NA NA NA

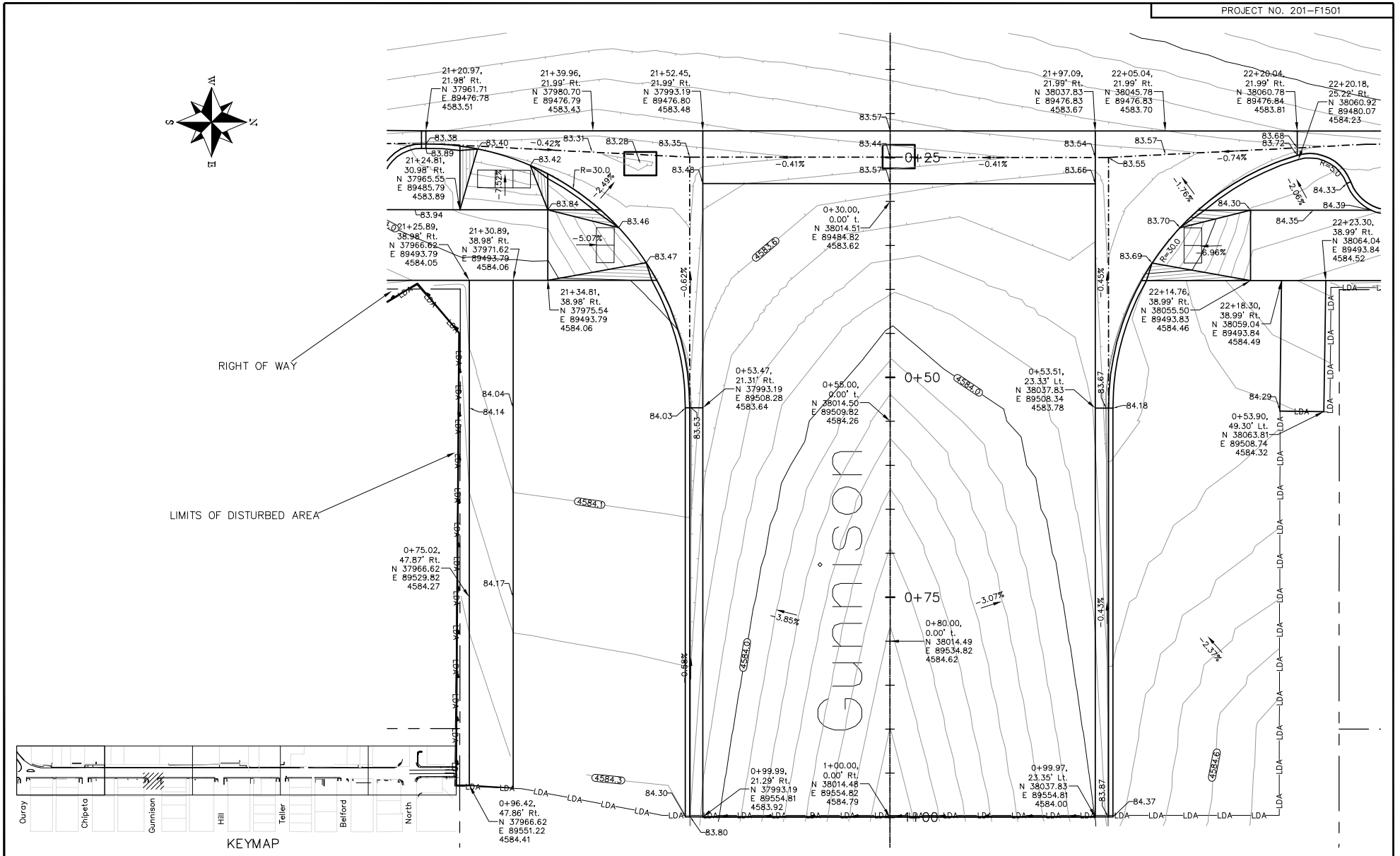
CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
INTERSECTION PLAN
1ST STREET AND CHIPETA

67

PROJECT NO. 201-F1501



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DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 2.5 5 10
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION INTERSECTION PLAN
1ST STREET AND GUNNISON

68

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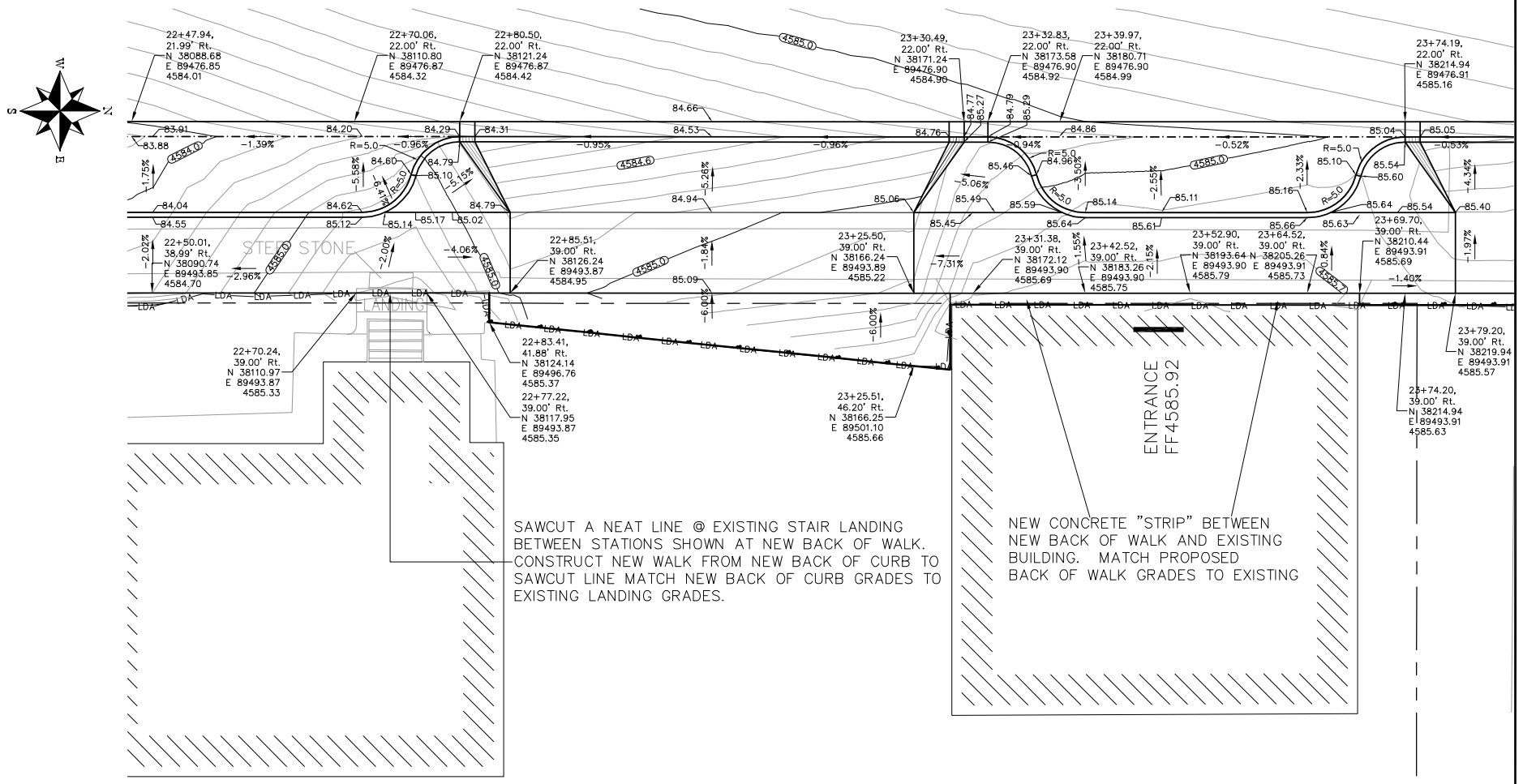

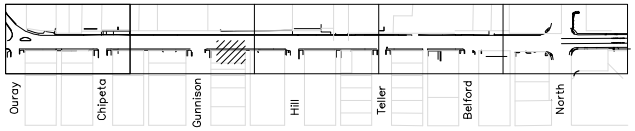

KEYMAP

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REVISION 4 XXX	201X

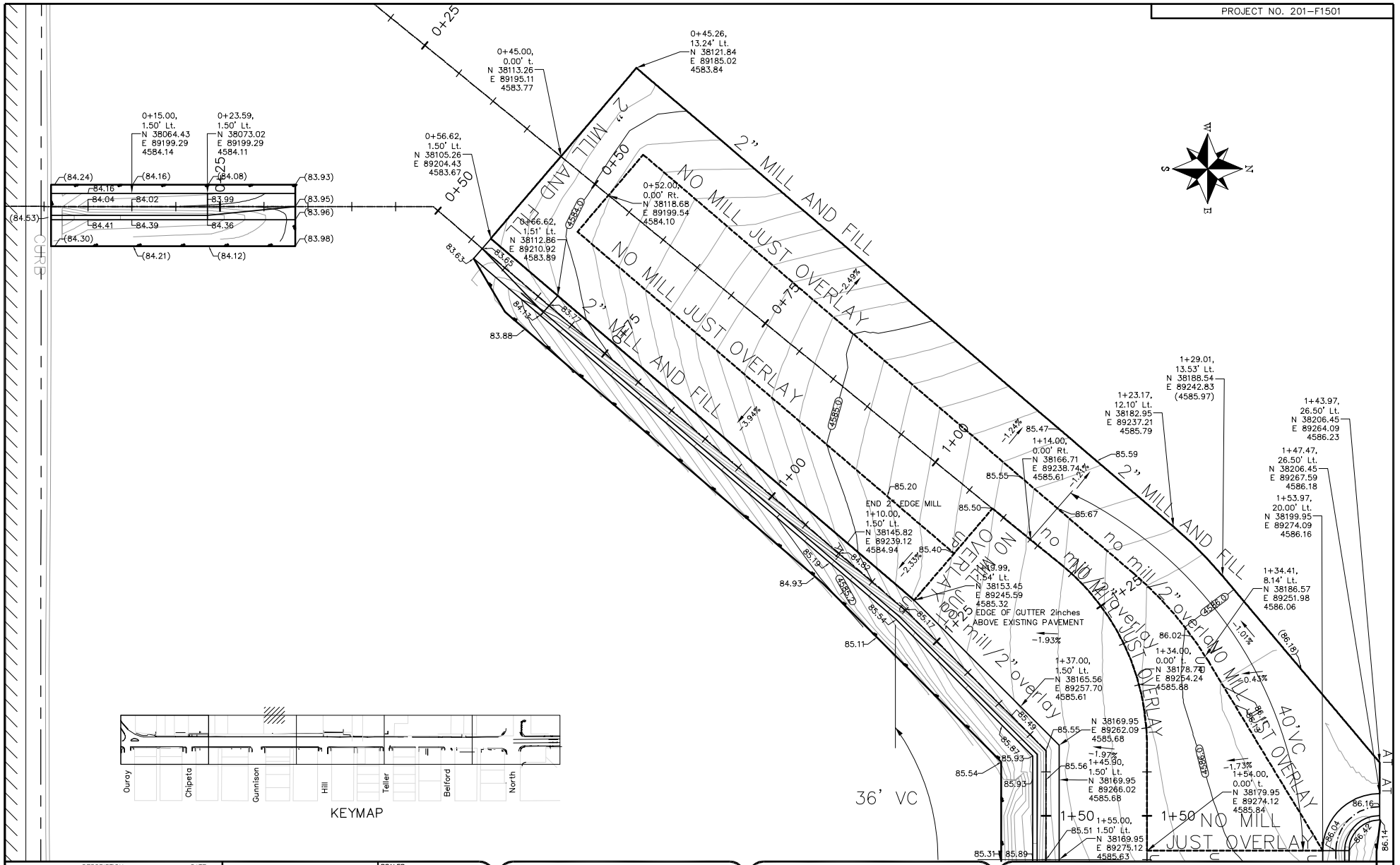
DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE
HORIZONTAL 0 5 10
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
DETAILED GRADING PLAN
FAHSION JUNKIE FRONT



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DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE
HORIZONTAL 0 5 10
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

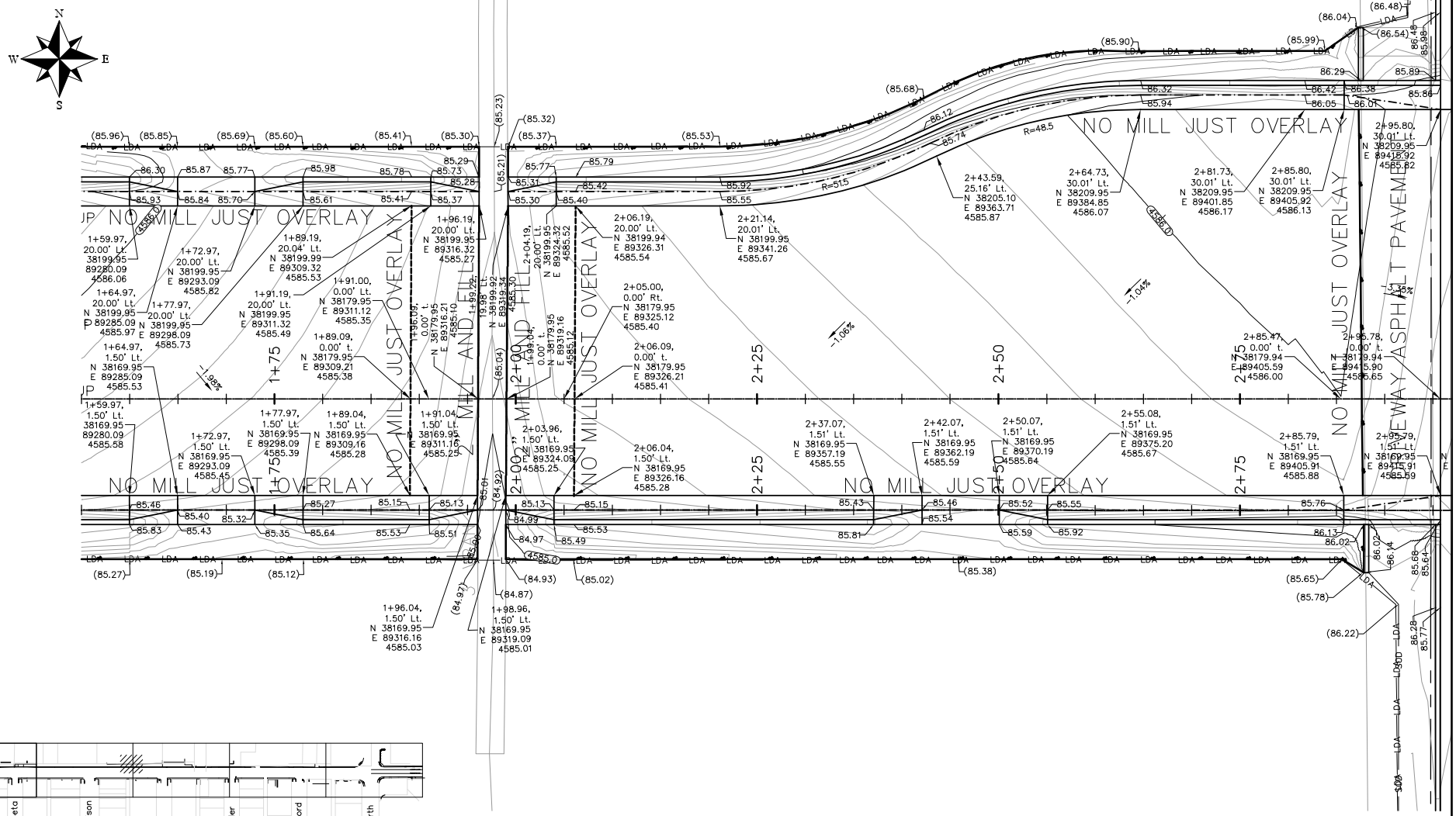
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
DETAILED GRADING PLAN
FUOCO DRIVEWAY SOUTH END

70

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\INTERSECTION PLANS.dwg, 06 Fuoco Driveway, 11/3/2016 8:26:27 AM

PROJECT NO. 201-F1501



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REVISION 4 XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 5 10
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
DETAILED GRADING PLAN
FUOCO CADILLAC DRIVEWAY

71

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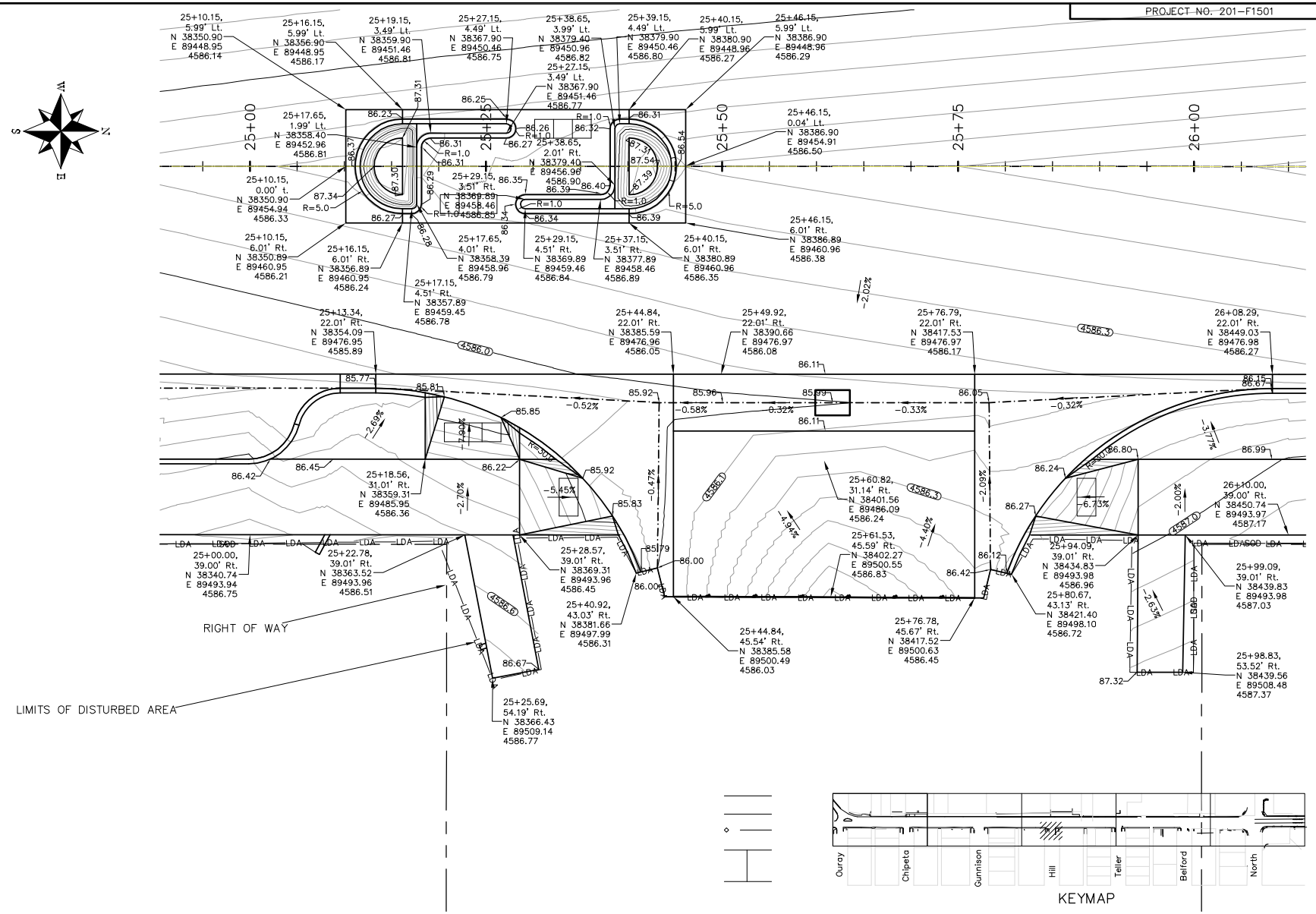

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DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

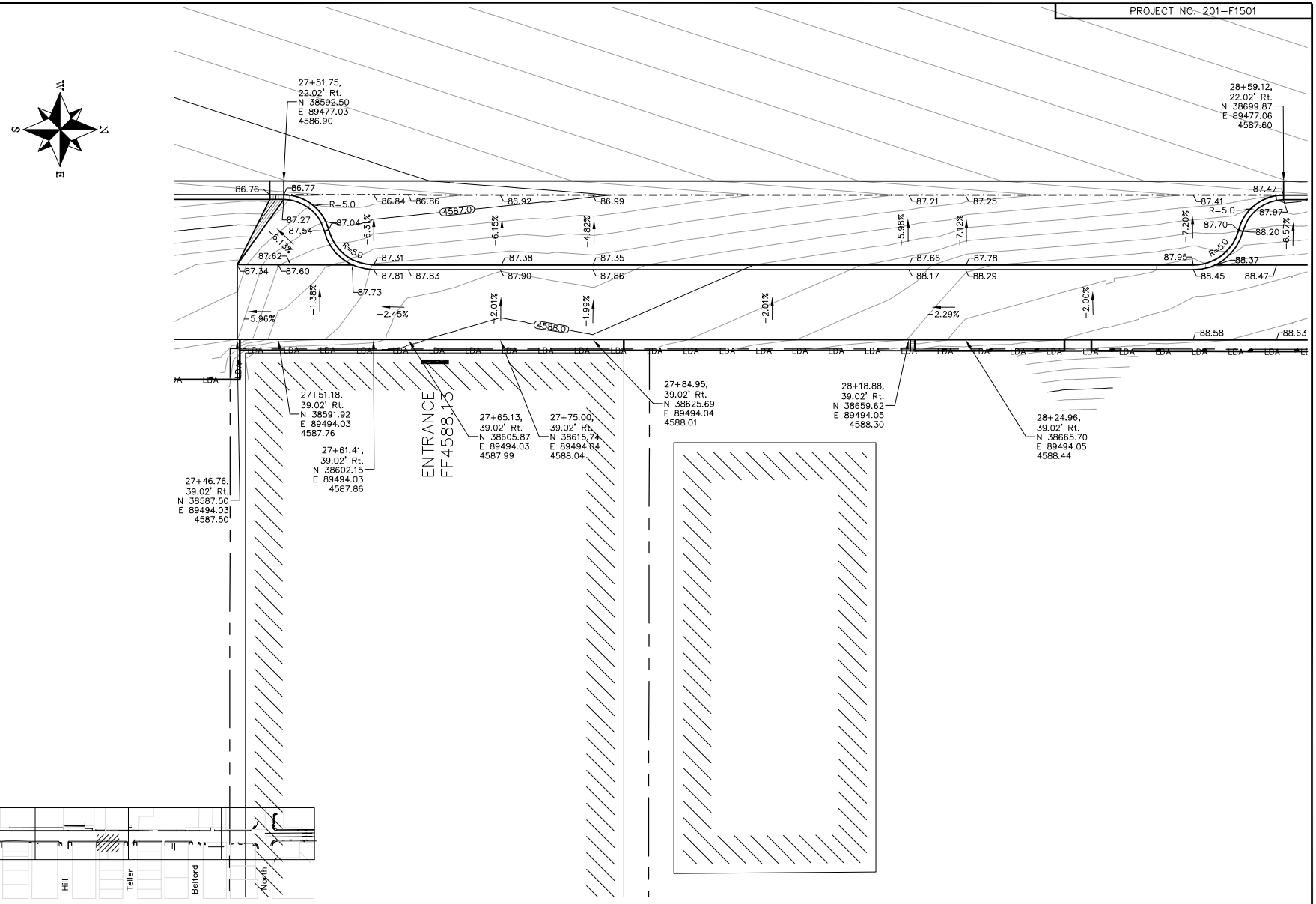
SCALES:
PLAN & PROFILE
HORIZONTAL 0 5 10
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
INTERSECTION PLAN
1ST STREET AND HILL

PROJECT NO: 201-F1501



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DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

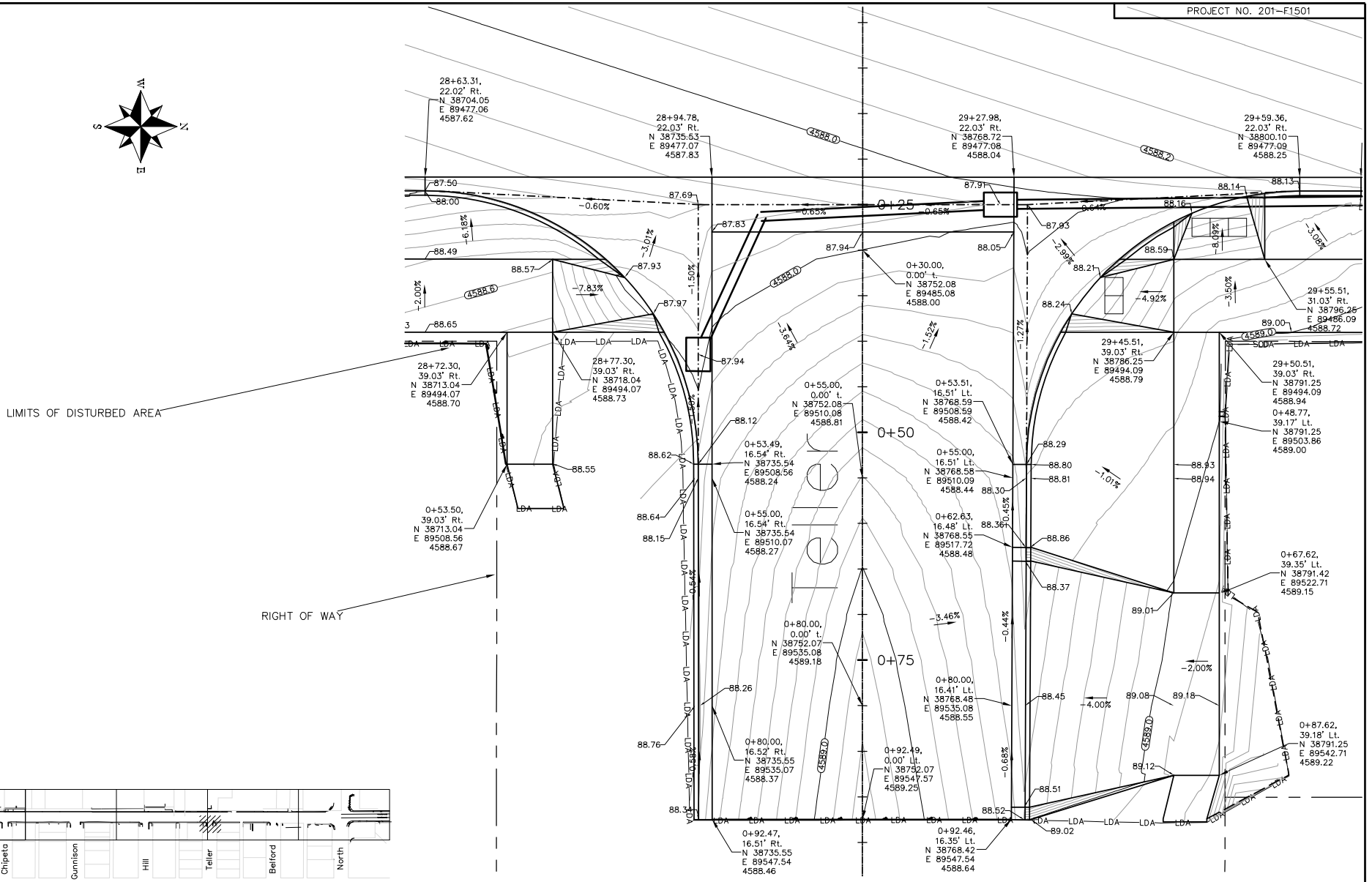
SCALES:
PLAN & PROFILE
HORIZONTAL 0 2.5 5 10
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
DETAILED GRADING PLAN
HOLE IN THE WALL SHIRT SHOP FRONT

PROJECT NO. 201-F1501



KEYMAP

DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
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REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 5 10
VERTICAL 0 NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
INTERSECTION PLAN
1ST STREET AND TELLER

74

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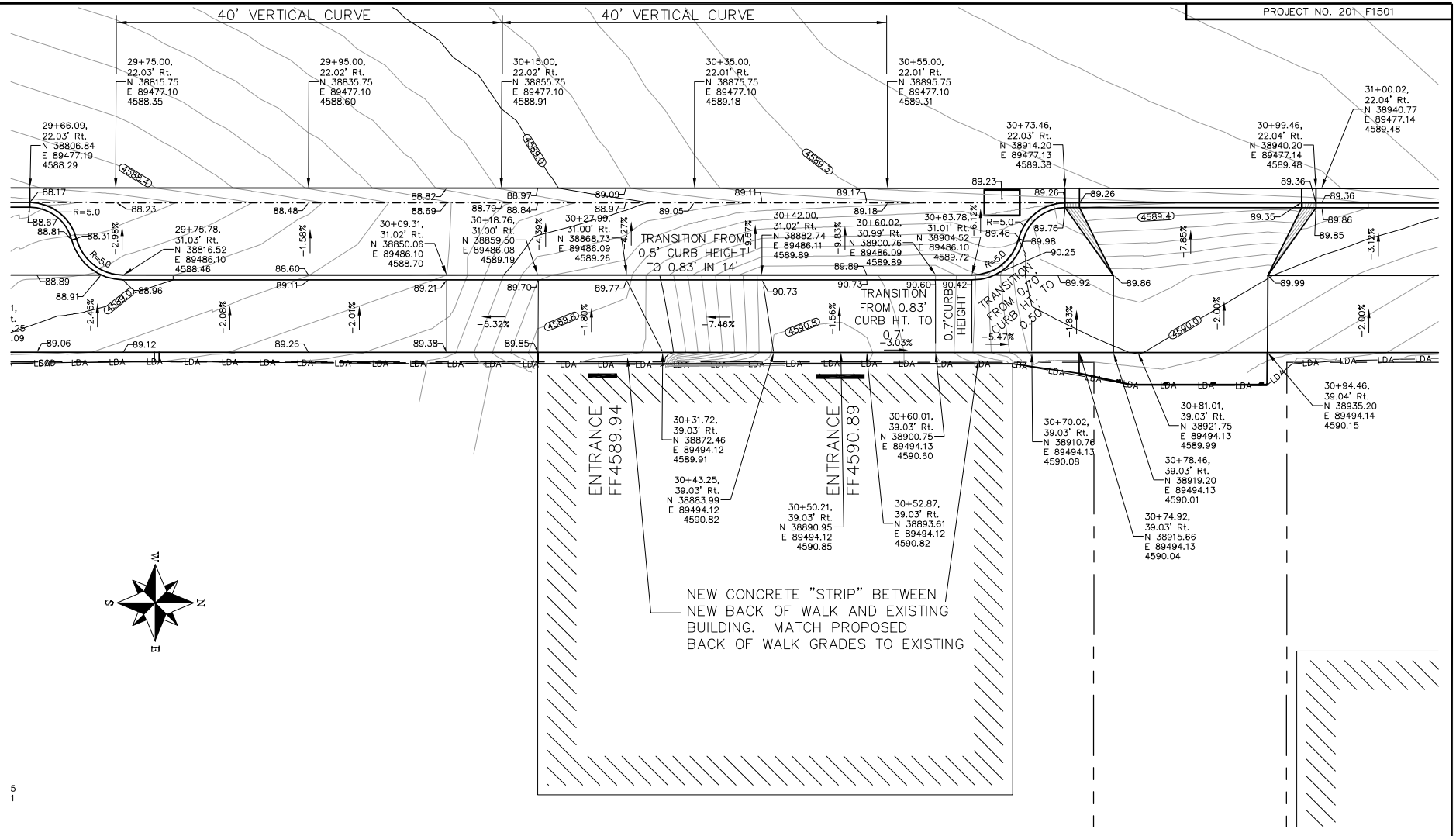

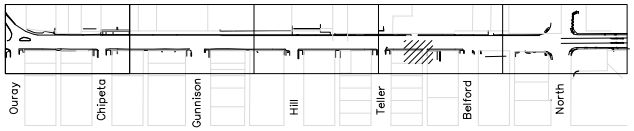

KEYMAP

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CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES: PLAN & PROFILE HORIZONTAL 0 5 10 VERTICAL 0 NA NA NA

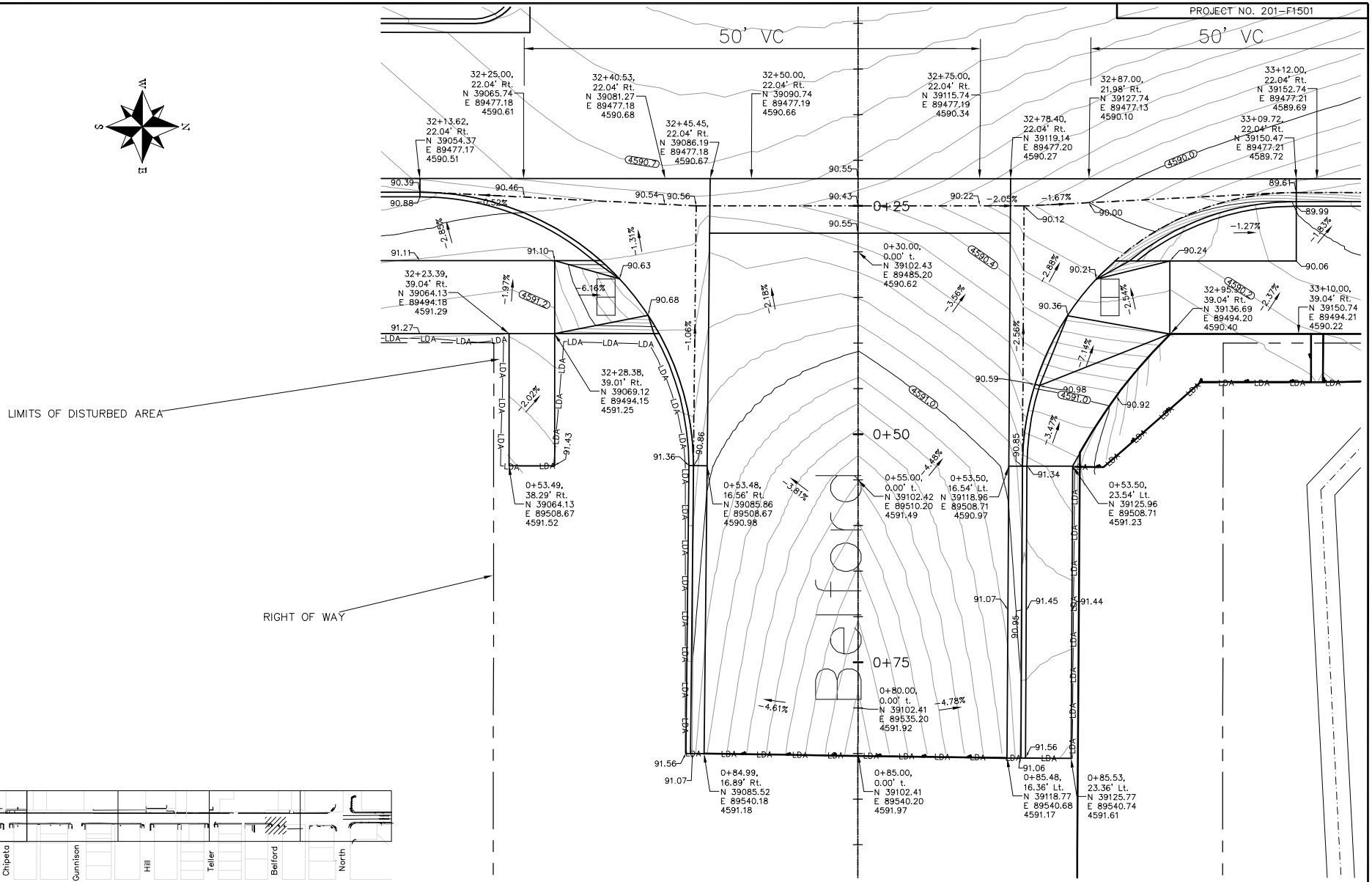
CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
DETAILED GRADING PLAN
DIRT SUCKERS VACUUM AND STAR AUTO FRONT

75

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\INTERSECTION PLANS.dwg, 8/31/2016 8:54:01 AM



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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY	JCS	DATE	2016
DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

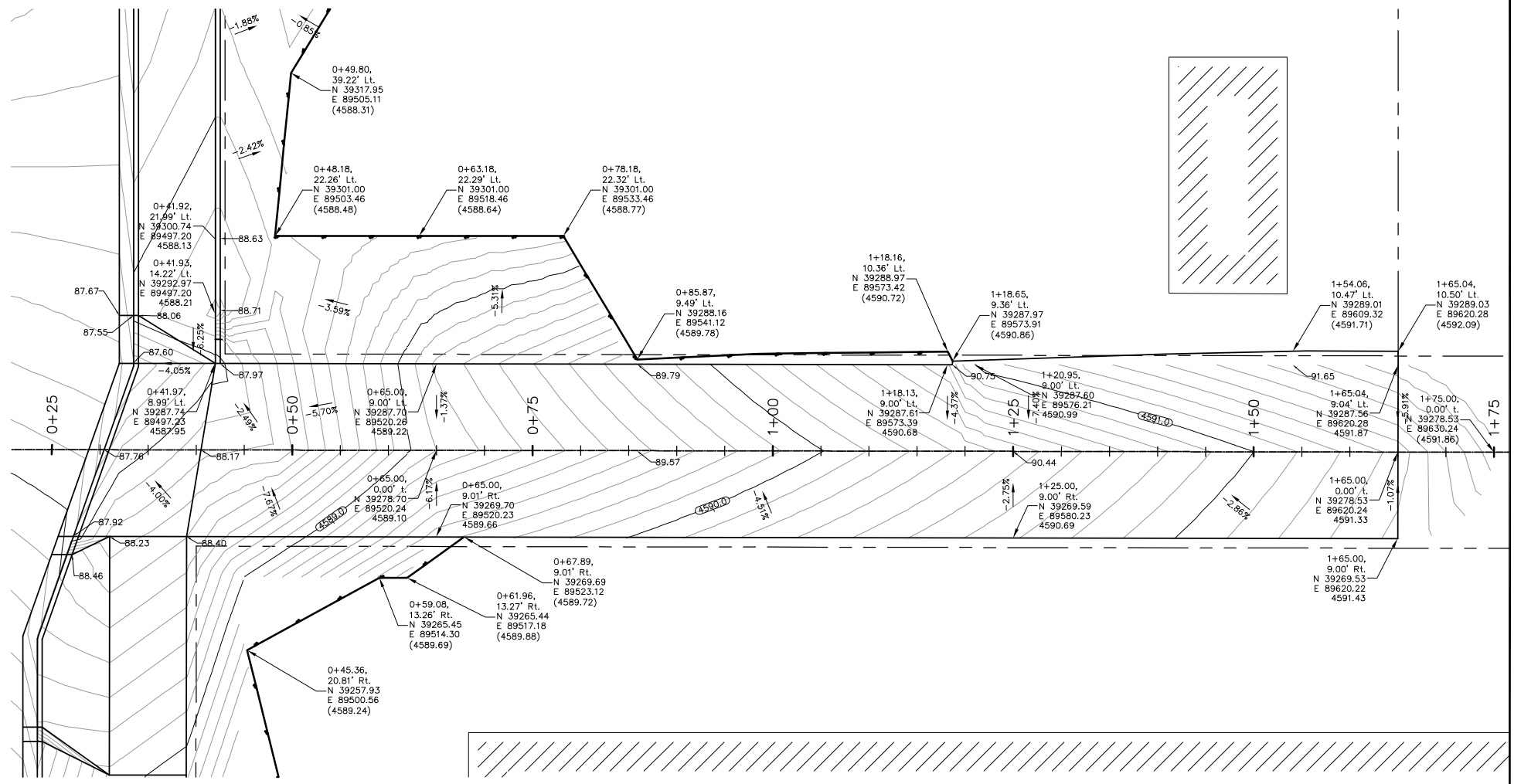
SCALES: PLAN & PROFILE HORIZONTAL 0 5 10 VERTICAL 0 NA NA NA

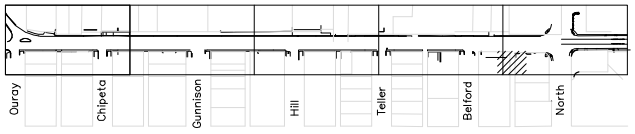
CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION INTERSECTION PLAN 1ST STREET AND BELFORD

PROJECT NO. 201-F1501





KEYMAP

N
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S

DESCRIPTION	DATE
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REVISION 2 XXX	- 201X
REVISION 3 XXX	- 201X
REVISION 4 XXX	- 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 5 10
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
DETAILED GRADING PLAN
BELFORD-NORTH ALLEY

77

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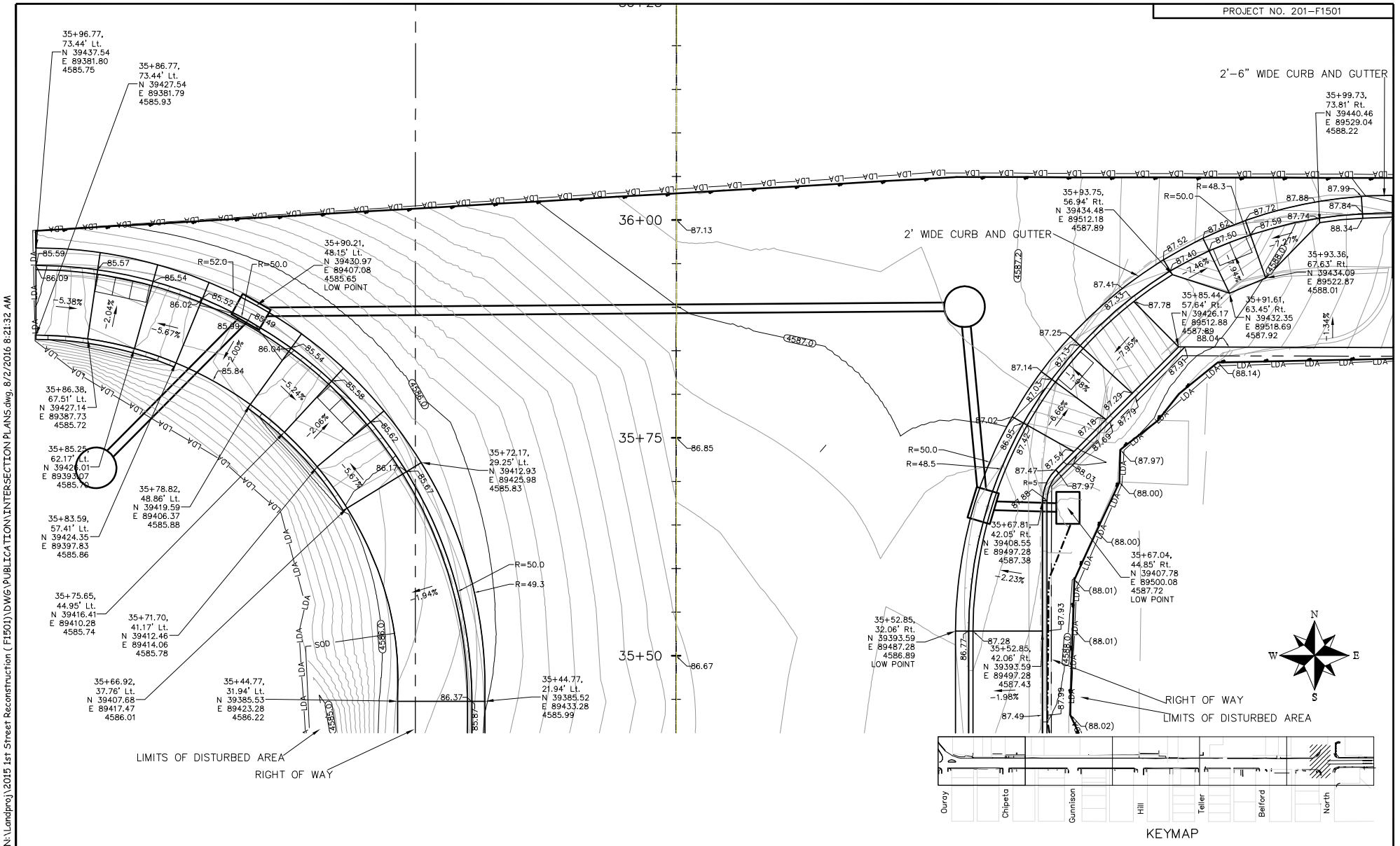
PROJECT NO. 201-F1501



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REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

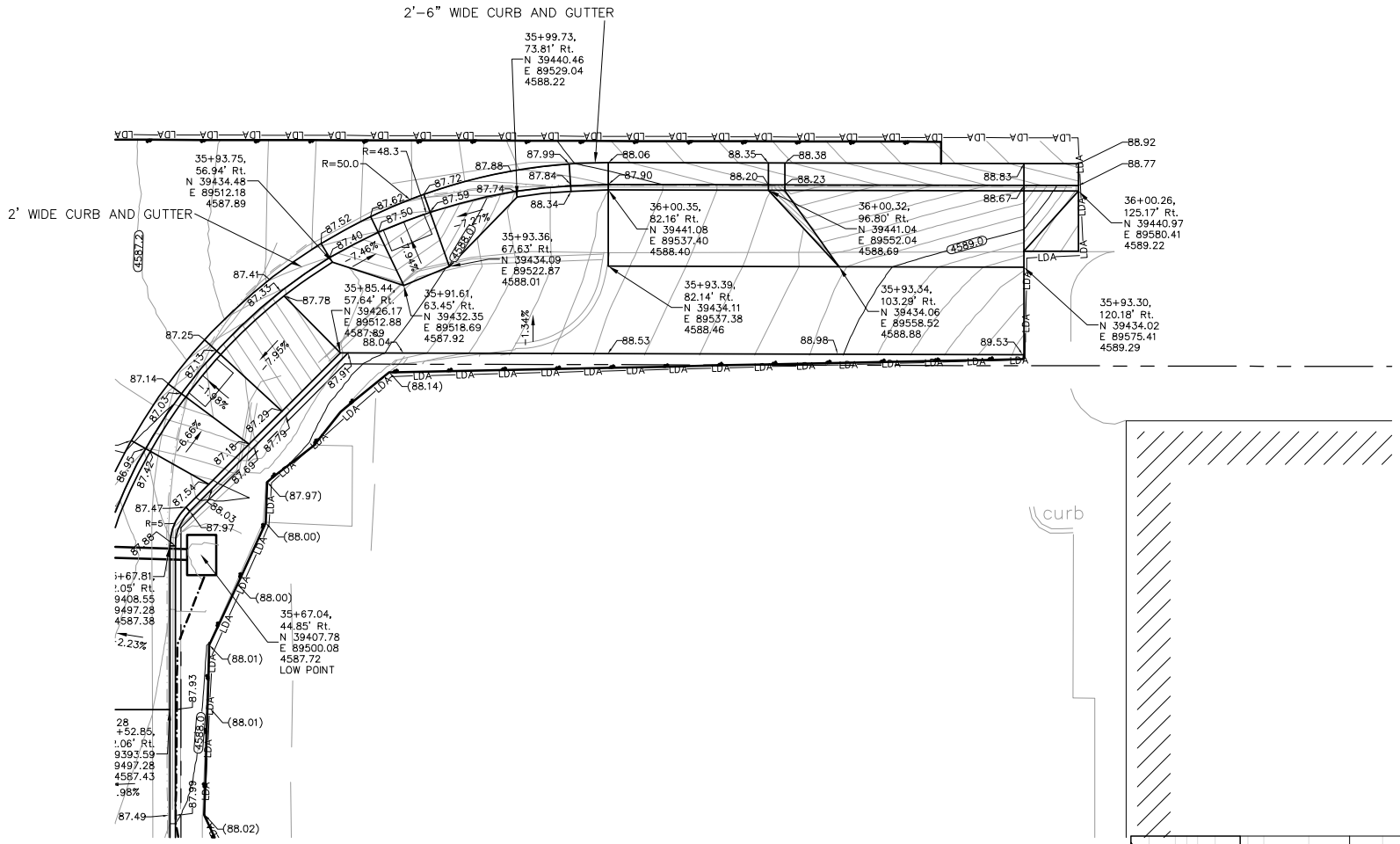
SCALES:
PLAN & PROFILE
HORIZONTAL 0 5 10
VERTICAL 0 NA NA NA

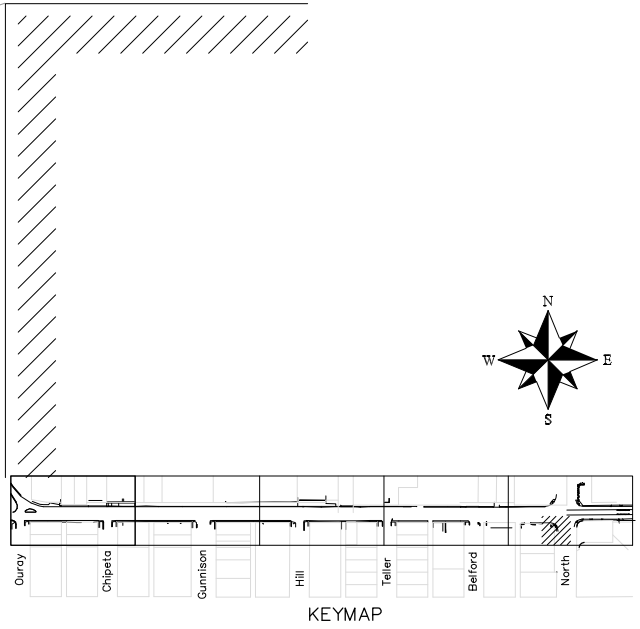
CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
INTERSECTION PLAN
NORTH AVENUE AND 1ST STREET

PROJECT NO. 201-F1501





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DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 5 10
VERTICAL 0 NA NA

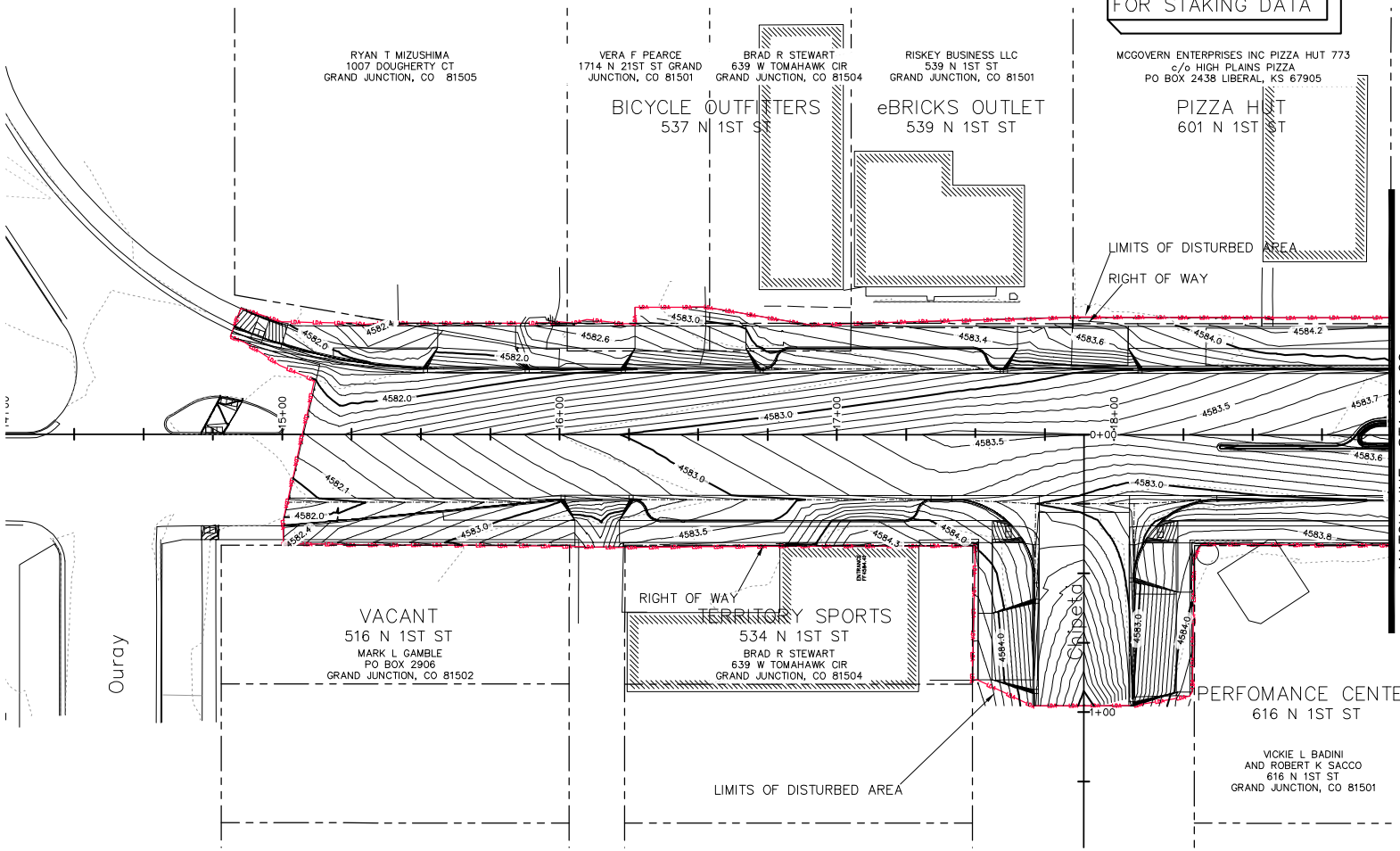
CITY OF Grand Junction COLORADO

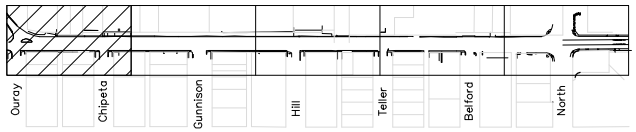
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
INTERSECTION PLAN
NORTH AVENUE AND 1ST STREET – MIDAS DRIVE

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA





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REVISION 3 XXX	– 201X
REVISION 4 XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

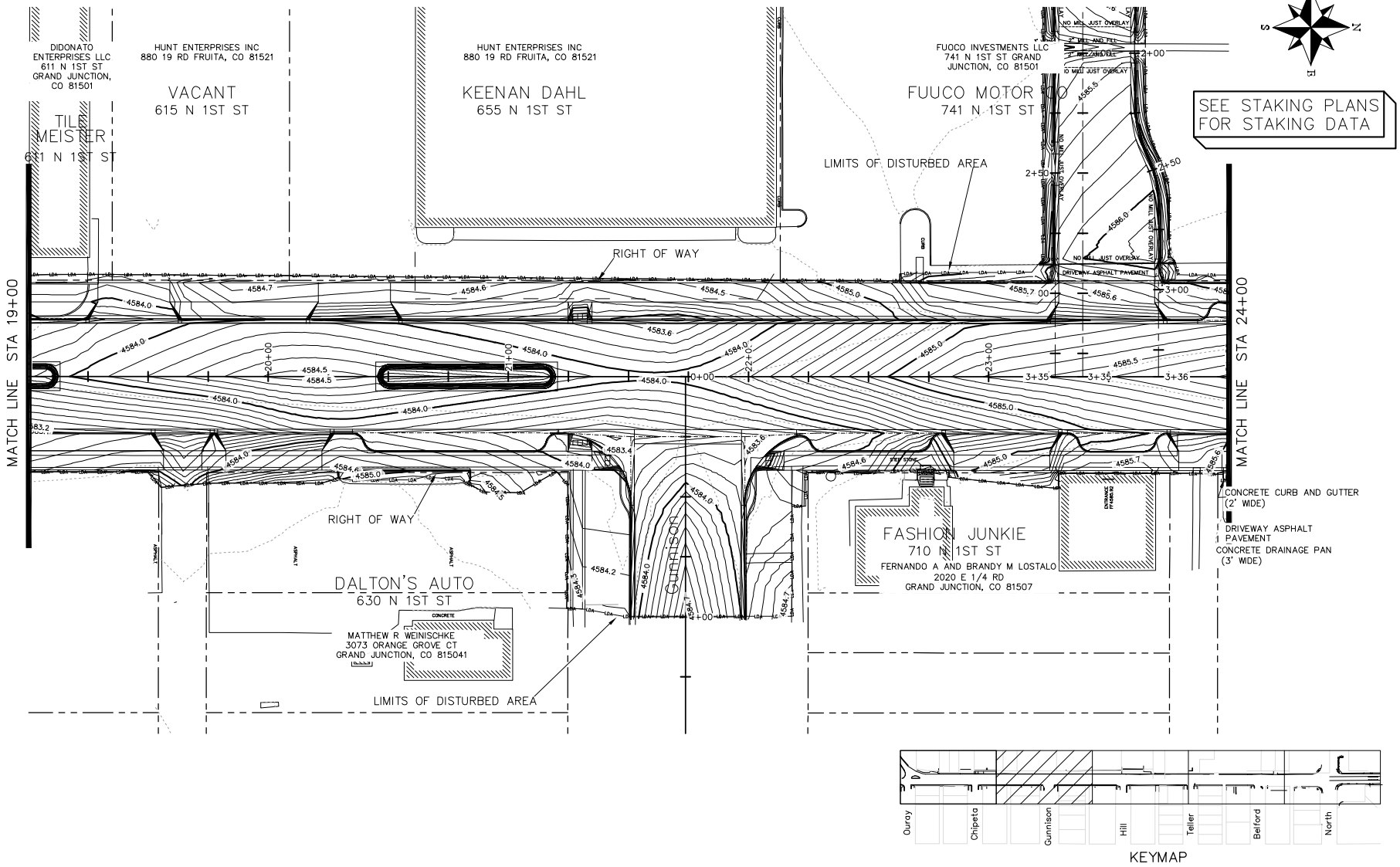
CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
0.10 foot FINISHED GROUND CONTOUR MAP
STA 14+00 TO STA 19+00

80

PROJECT NO. 201-F1501



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REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
0.10 foot FINISHED GROUND CONTOUR MAP
STA 19+00 TO STA 24+00

81

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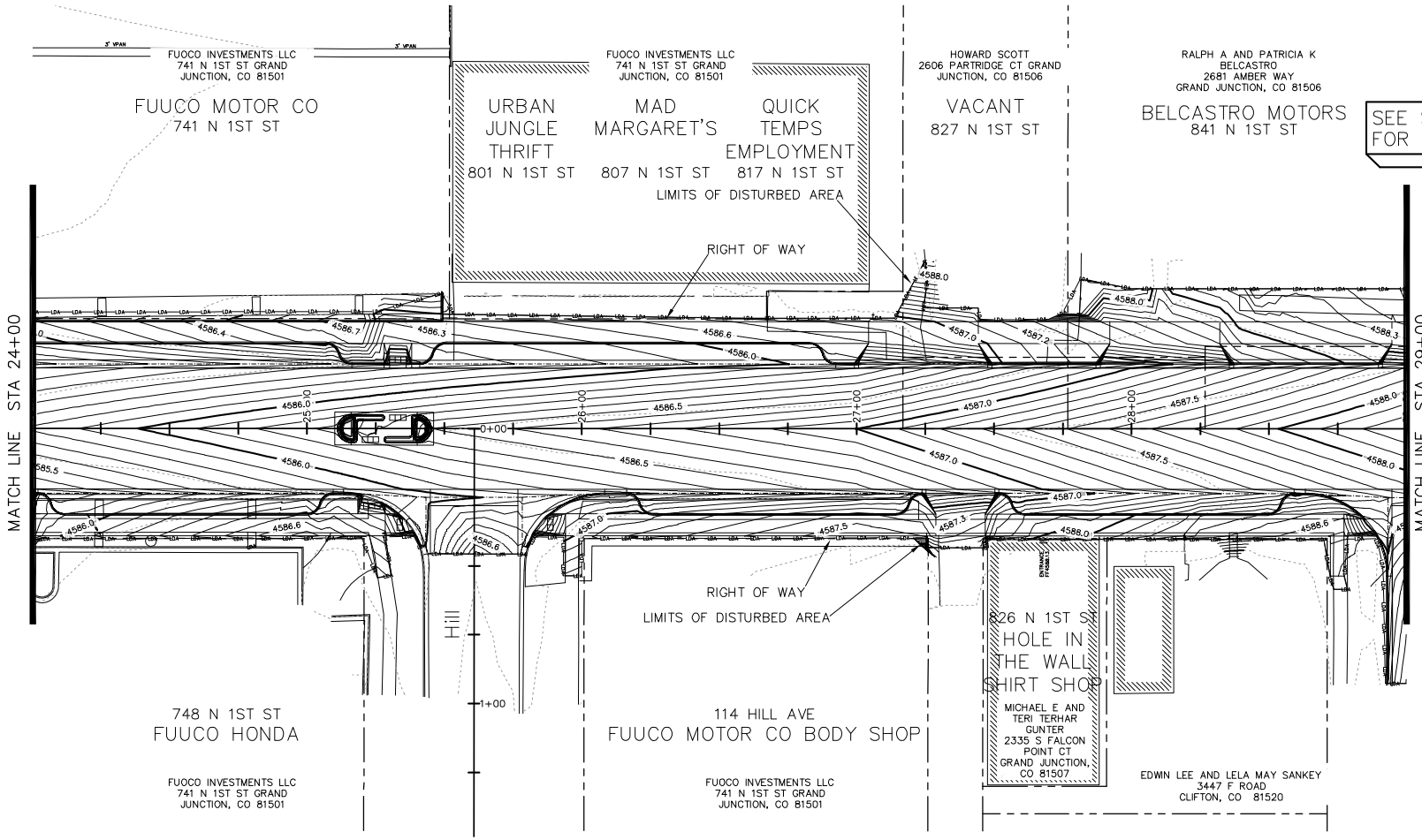
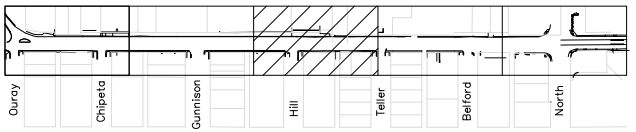
PROJECT NO. 201-F1501





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DESCRIPTION	DATE
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DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

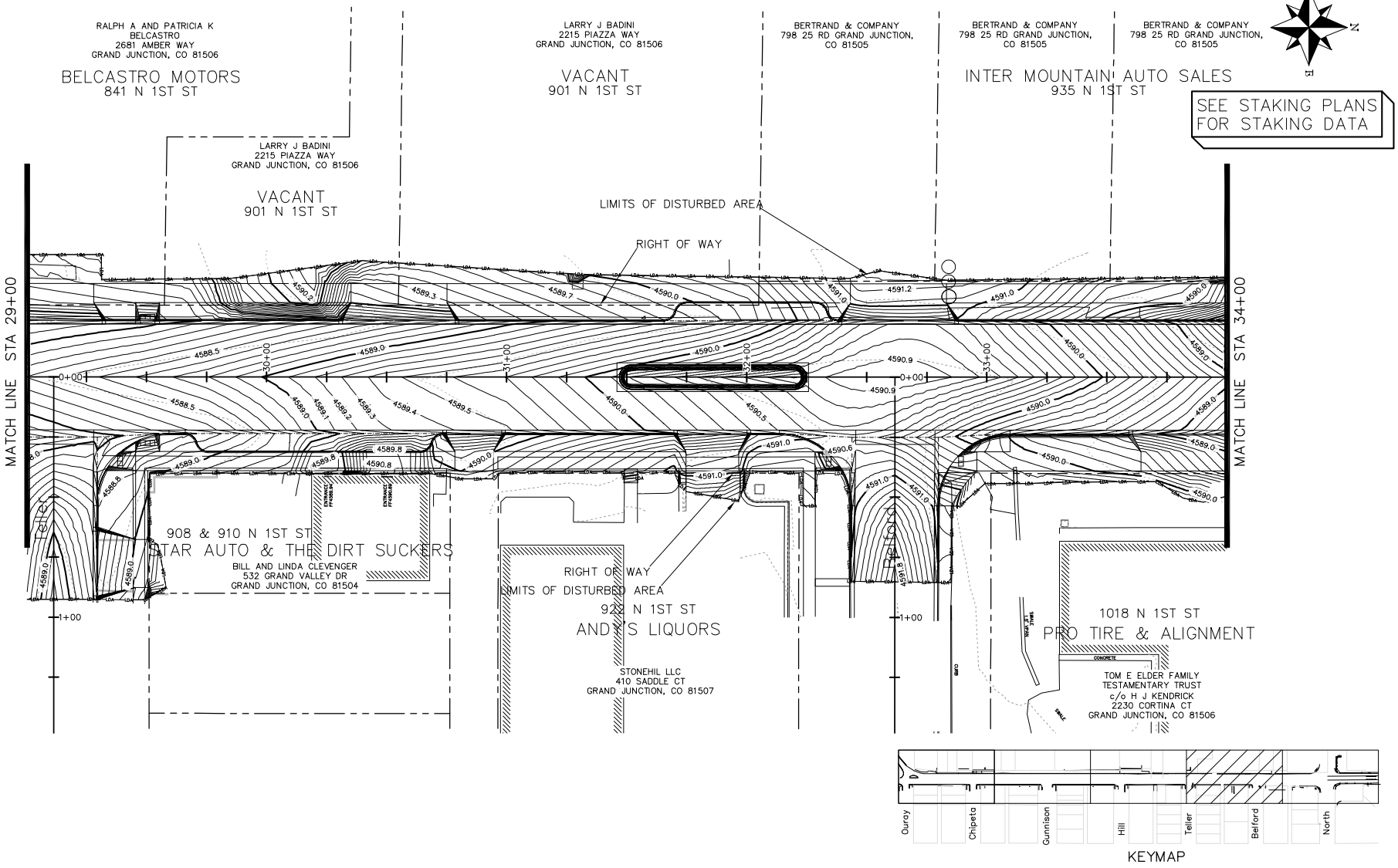
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
0.10 foot FINISHED GROUND CONTOUR MAP
STA 24+00 TO STA 29+00

82

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\PLOT 0.1FT PROPOSED CONTOUR MAP.dwg, 003, 12/15/2016 9:30:07 AM

PROJECT NO. 201-F1501



DESCRIPTION	DATE
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DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

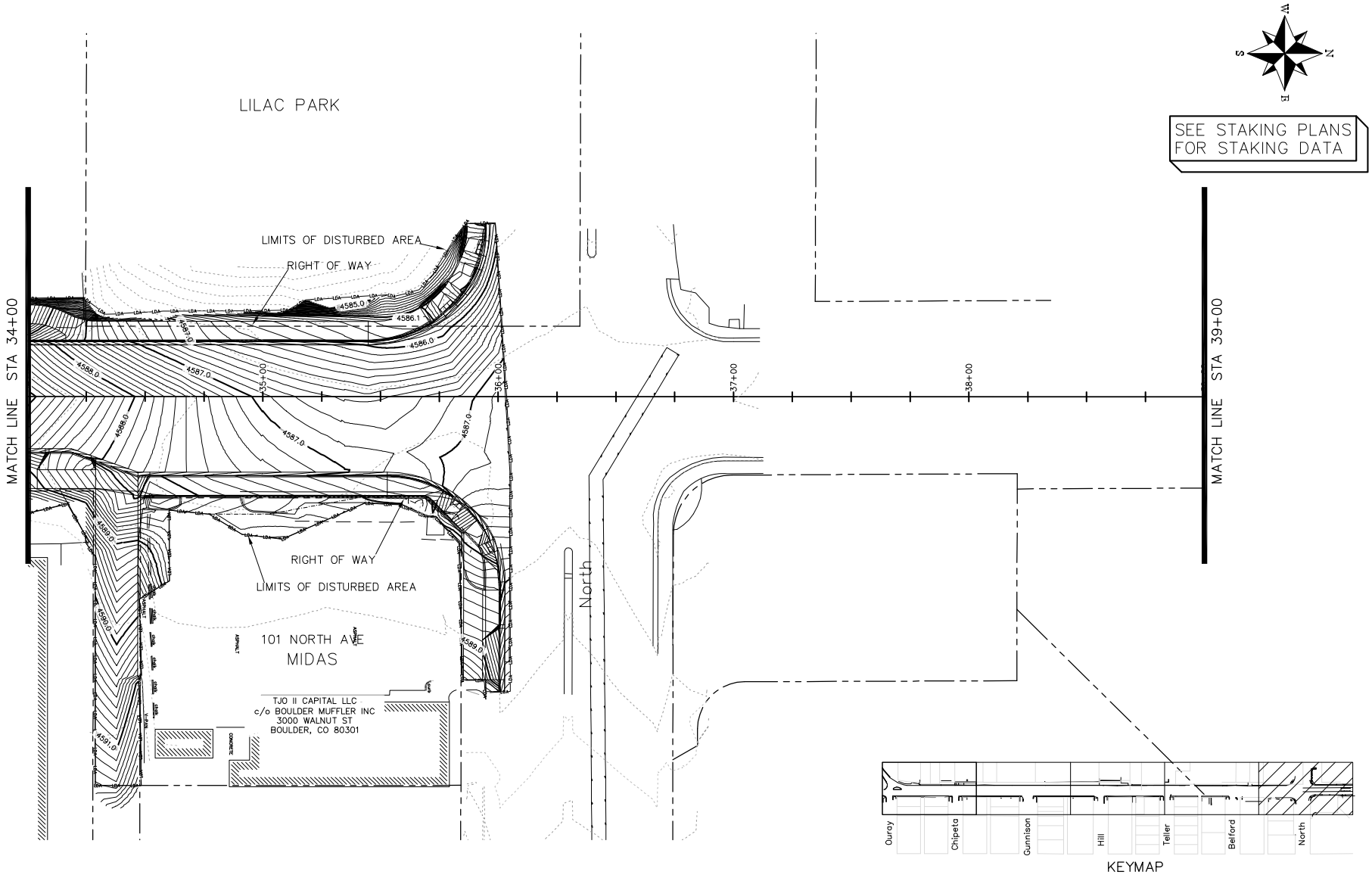
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
0.10 foot FINISHED GROUND CONTOUR MAP
STA 29+00 TO STA 34+00

83

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\PLOT 0.1FT PROPOSED CONTOUR MAP.dwg, 004, 12/16/2016 8:09:16 AM

PROJECT NO. 201-F1501



DESCRIPTION	DATE
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REVISION 3 XXX	– 201X
REVISION 4 XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

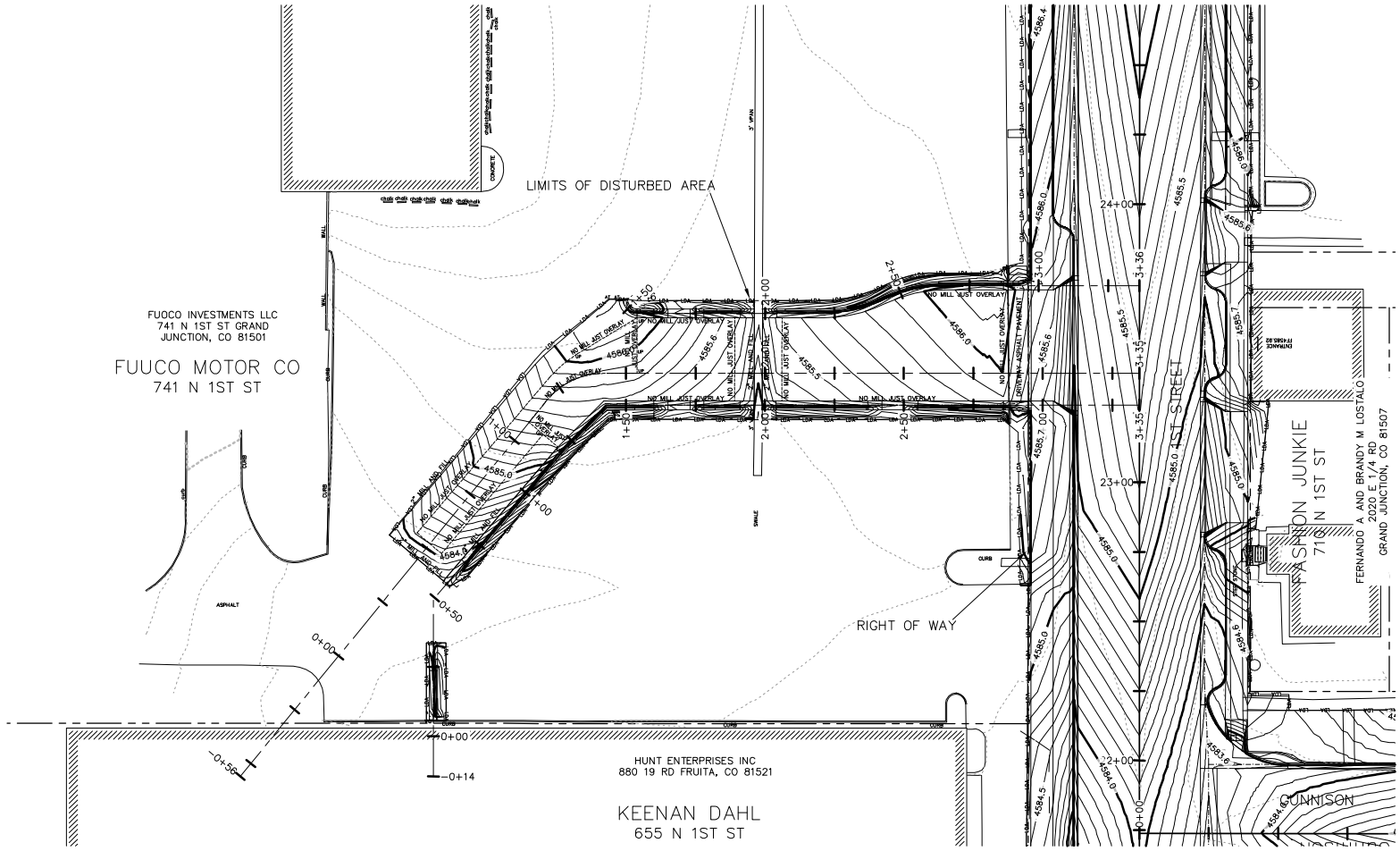
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
0.10 foot FINISHED GROUND CONTOUR MAP
STA 34+00 TO STA 39+00

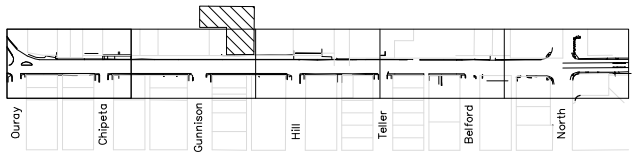
84

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\PLOT 0.1FT PROPOSED CONTOUR MAP.dwg, 005, 12/16/2016 8:10:41 AM

PROJECT NO. 201-F1501



SEE STAKING PLANS FOR STAKING DATA



KEYMAP

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REVISION 3 XXX	– 201X
REVISION 4 XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

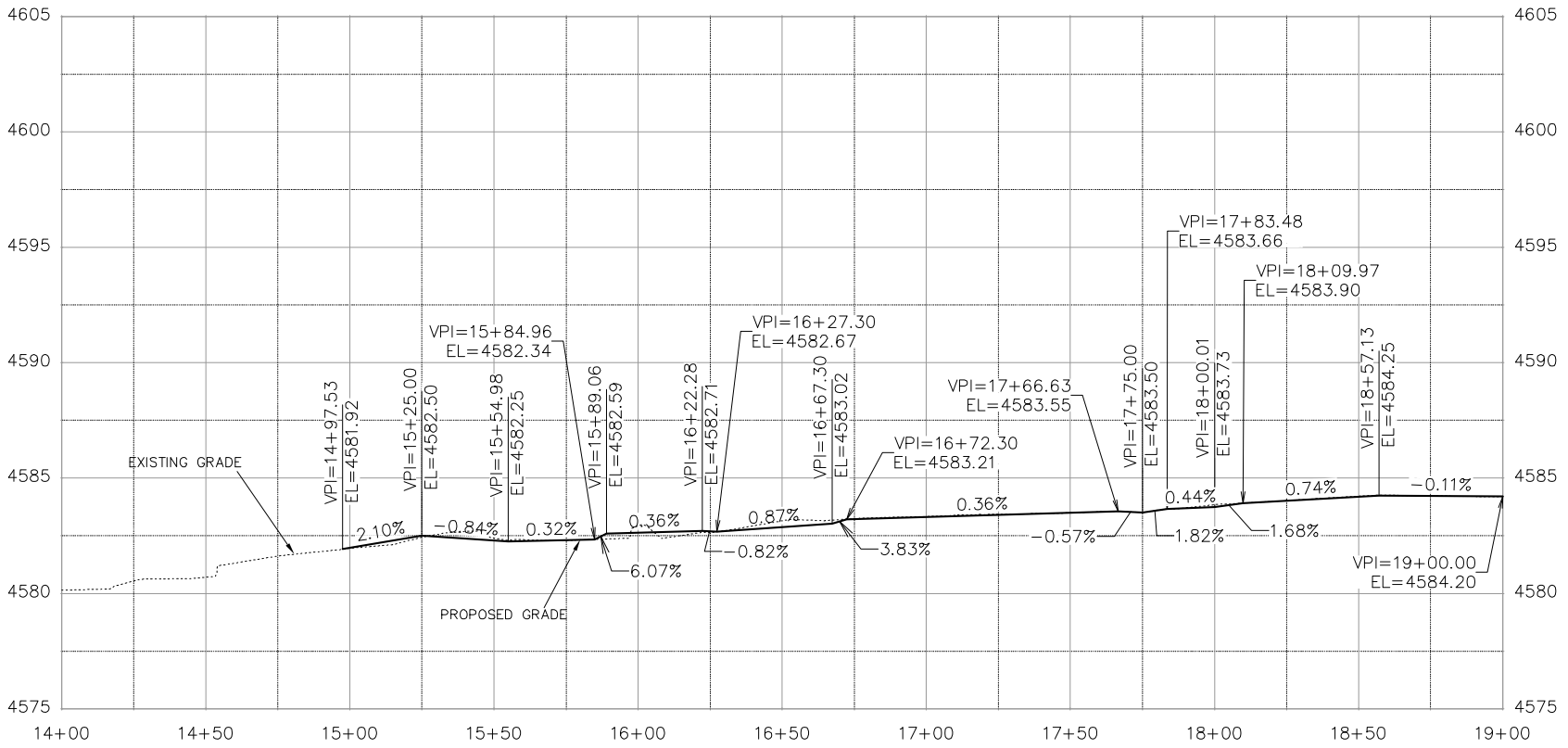
1ST STREET RECONSTRUCTION
DRIVEWAY PLAN
FUOCO CADILLAC

85

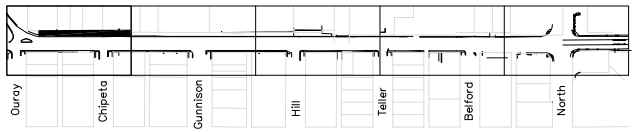
N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\PLOT 0.1FT PROPOSED CONTOUR MAP.dwg, 006, 11/3/2016 8:37:27 AM

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



BACK OF WALK WEST (LEFT) (1)



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DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

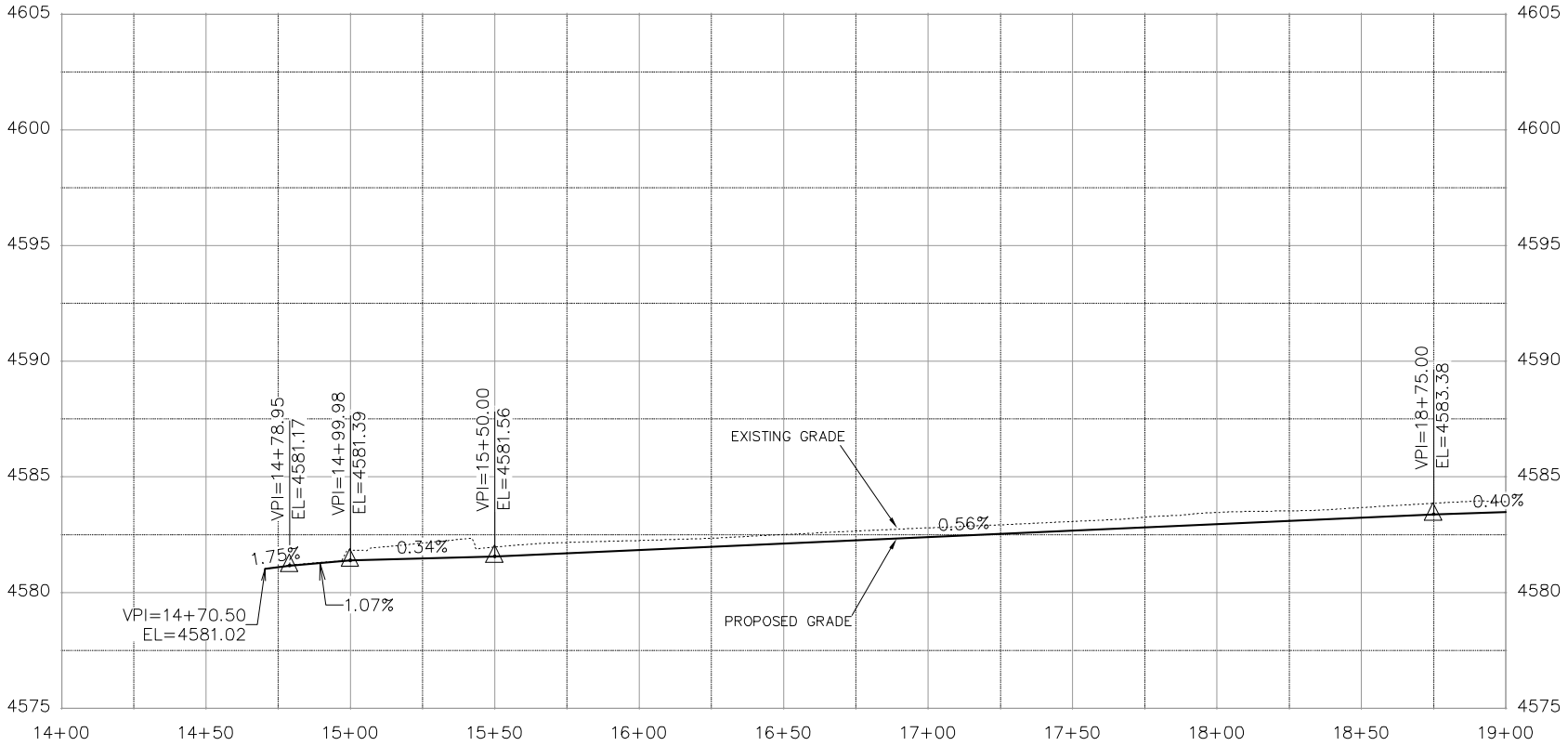
CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

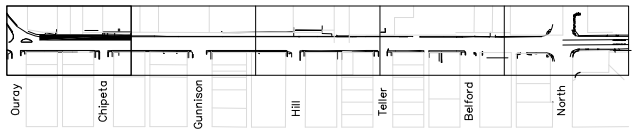
1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 14+00 TO STA 19+00

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



FLOW LINE OF GUTTER WEST (1)



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DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

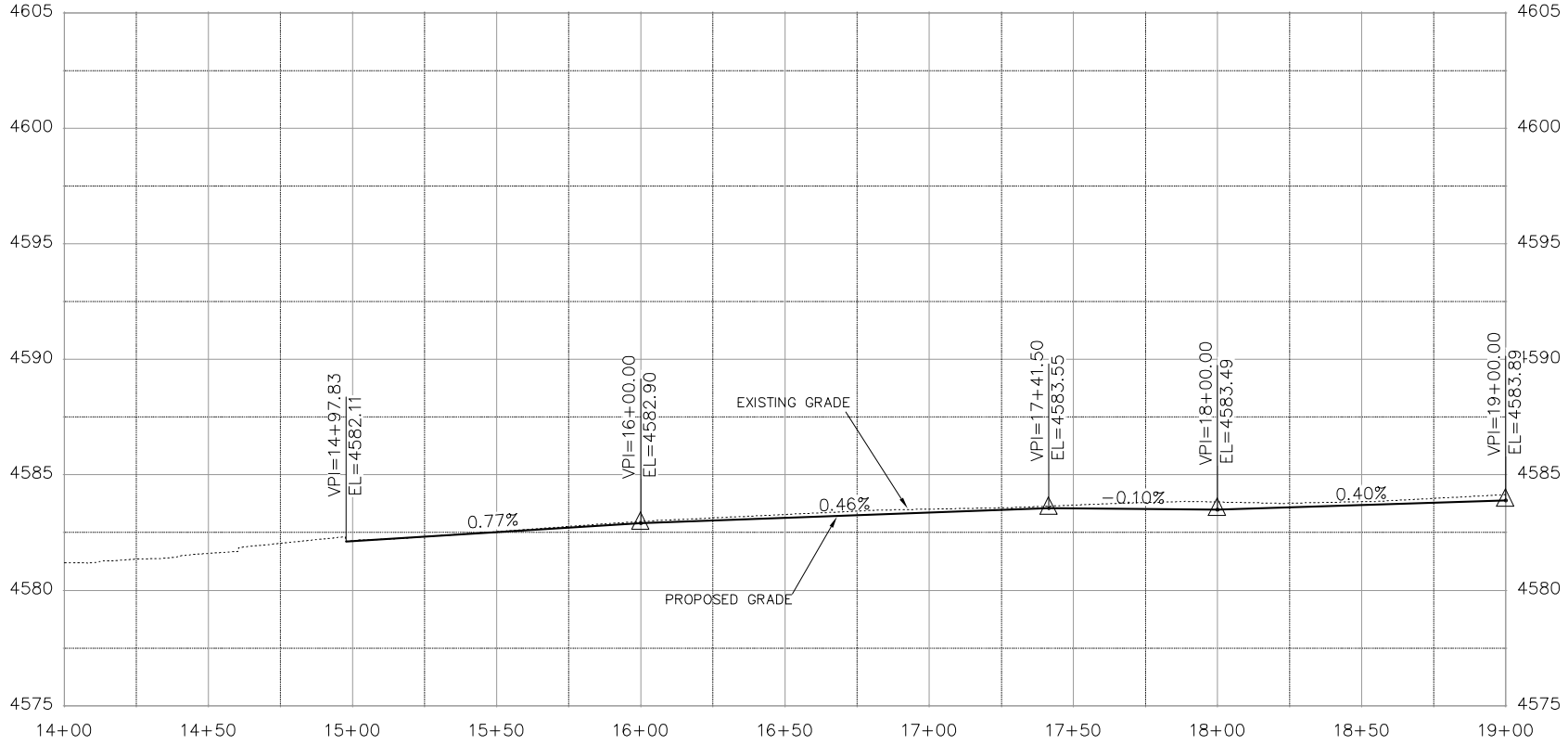
1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 14+00 TO STA 19+00

87

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\ROADWAY PROFILE.dwg, 7/13/2016 2:33:01 PM

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



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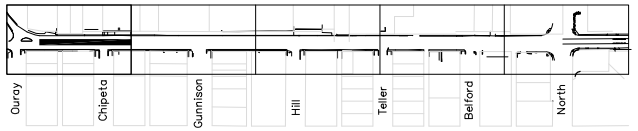

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DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
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REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 2.5 5

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 14+00 TO STA 19+00

88

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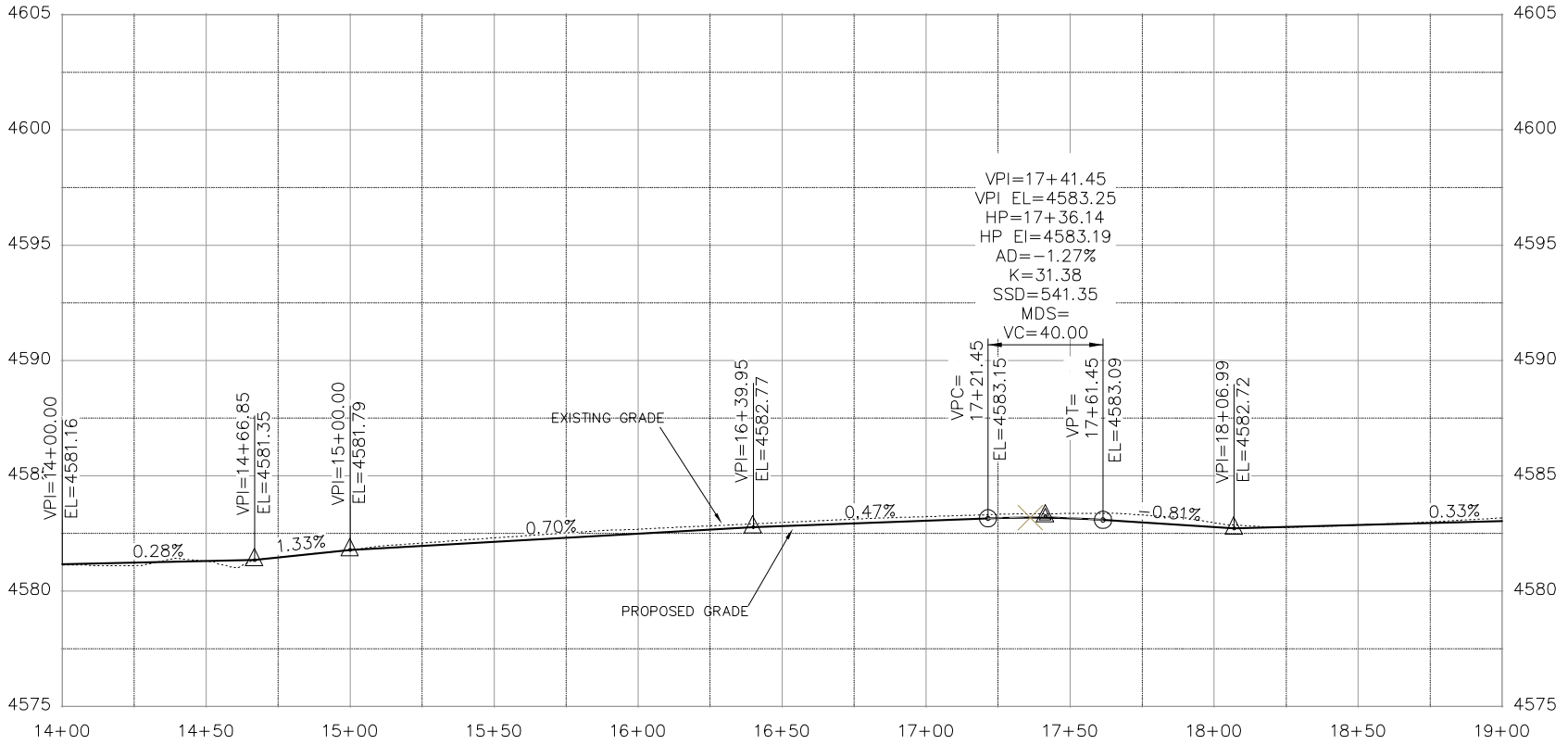
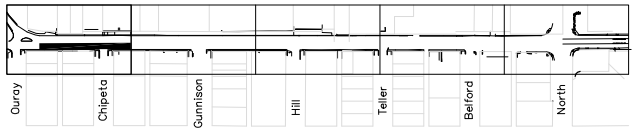
PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



FLOW LINE OF GUTTER EAST (1)



KEYMAP

DESCRIPTION	DATE
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DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 14+00 TO STA 19+00

89

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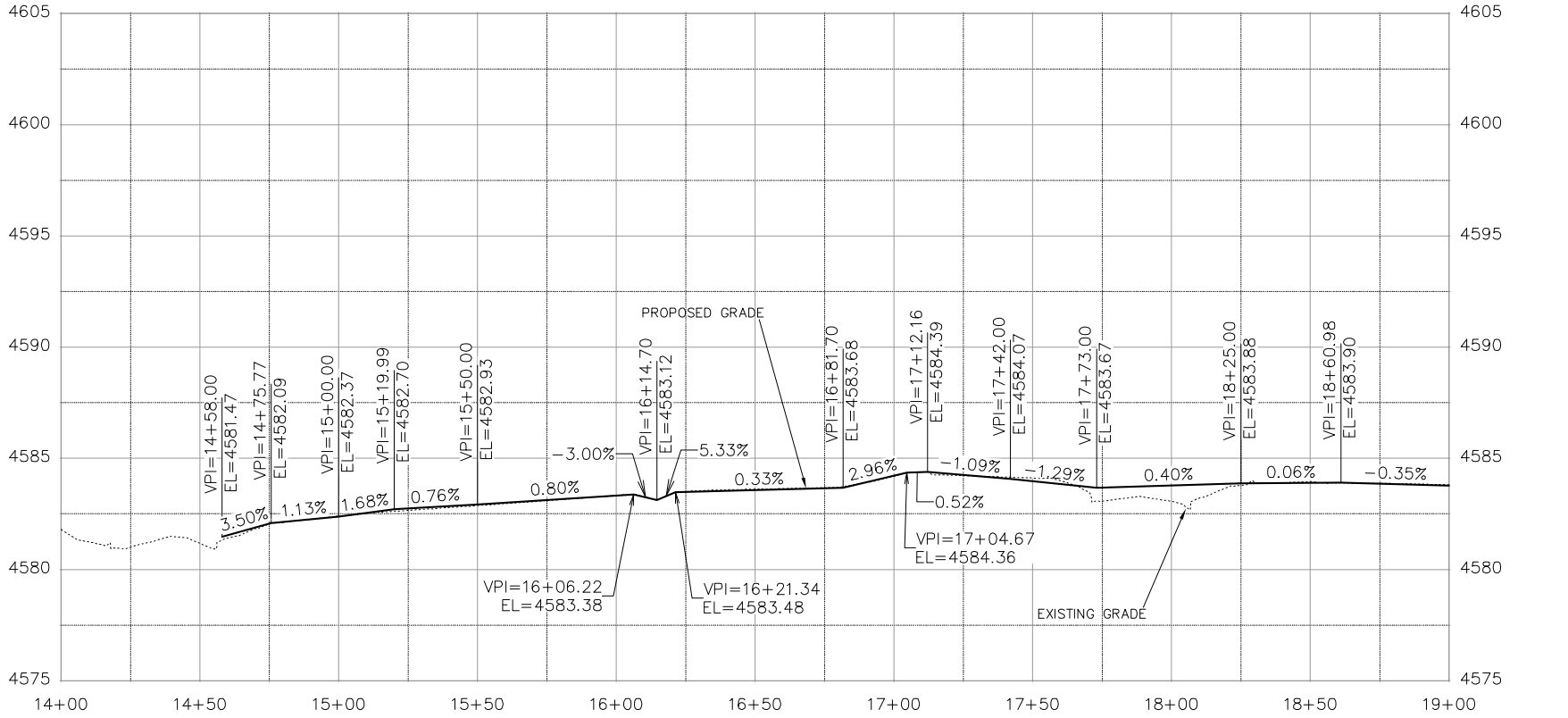
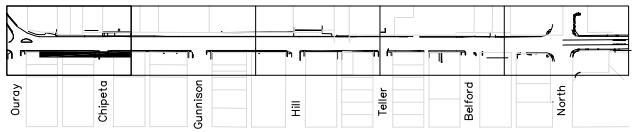
PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



BACK OF WALK EAST (RIGHT) (1)



KEYMAP

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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 2.5 5

CITY OF Grand Junction COLORADO

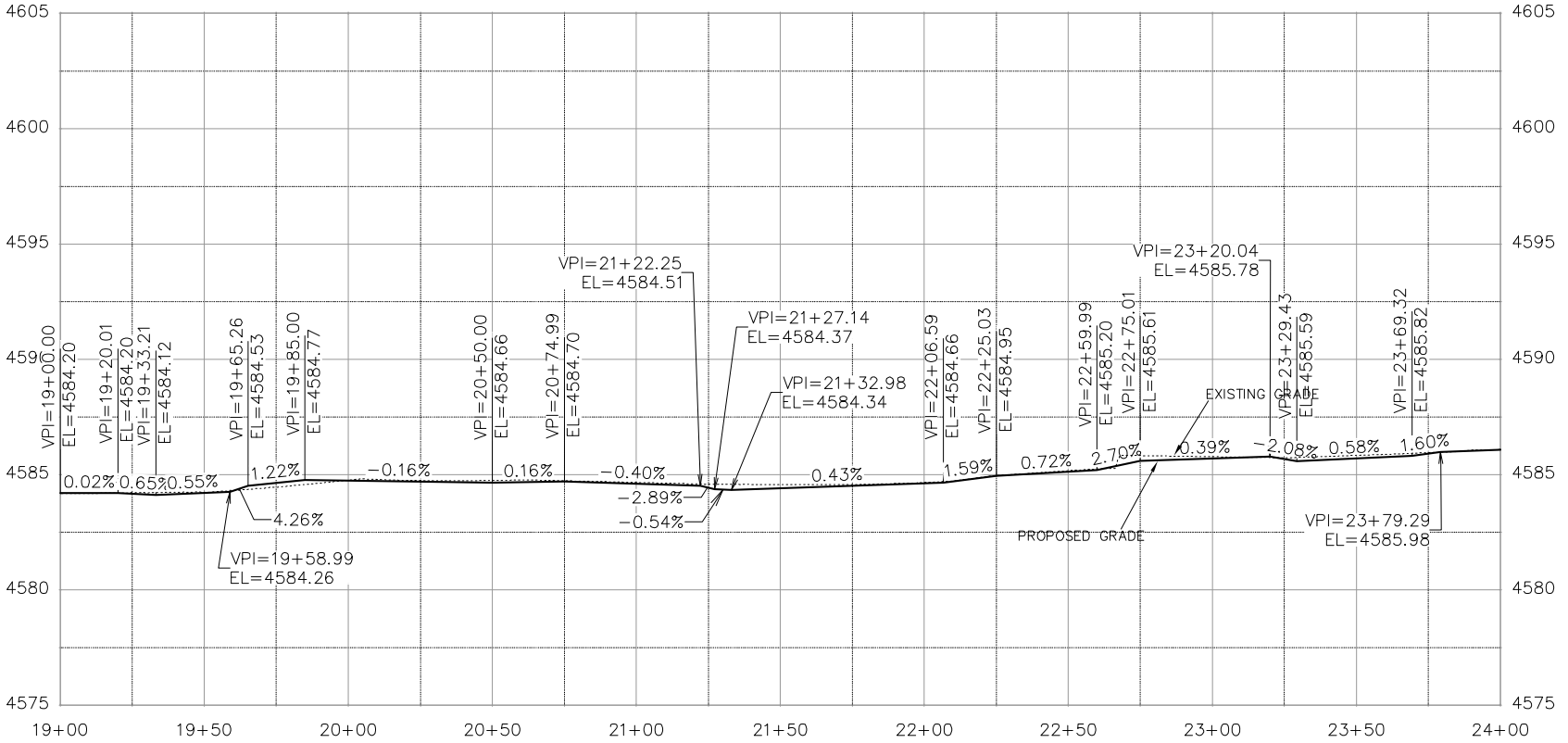
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 14+00 TO STA 19+00

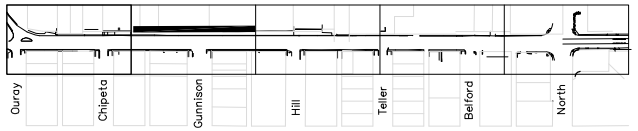
90

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



BACK OF WALK WEST (LEFT) (2)



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DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
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REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 19+00 TO STA 24+00

16

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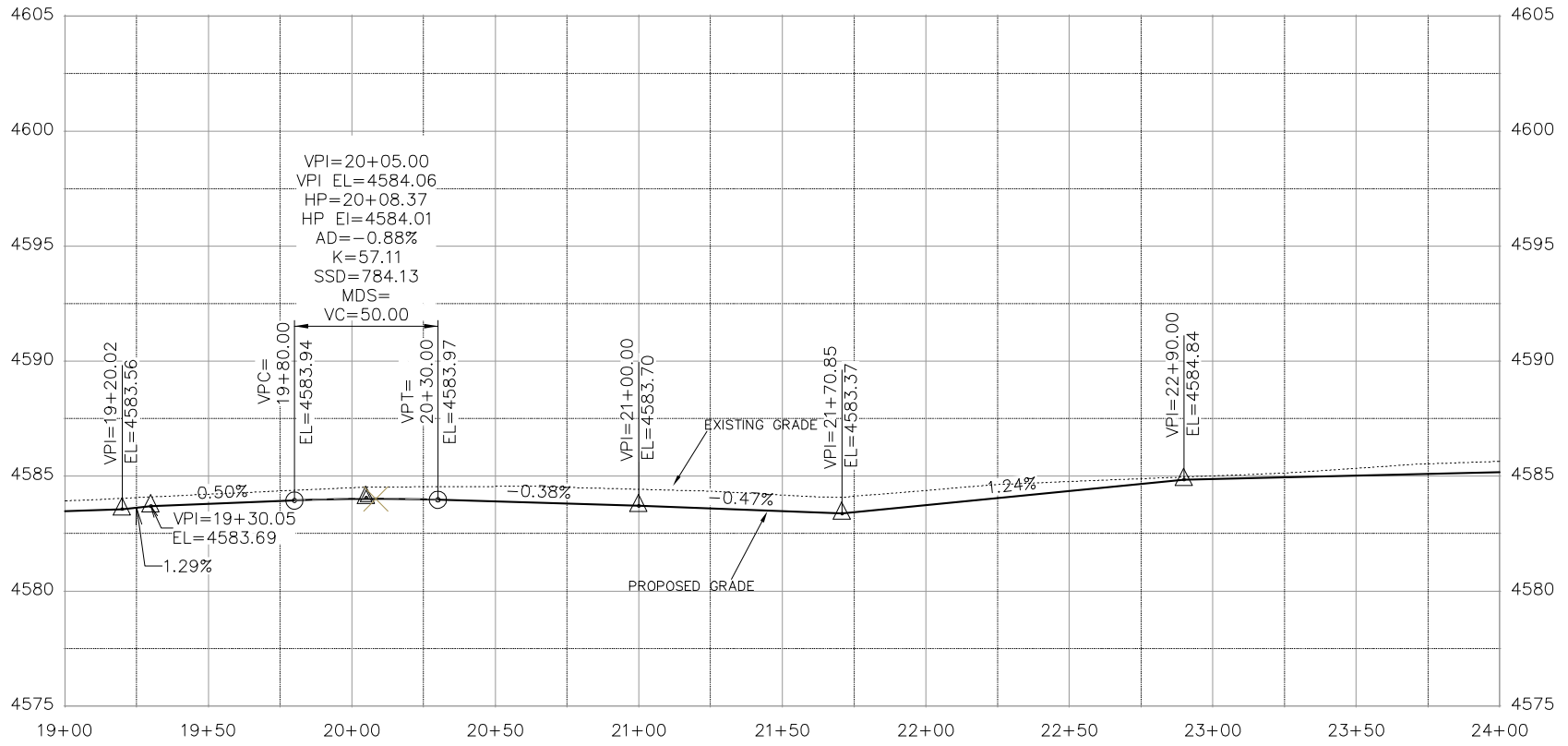
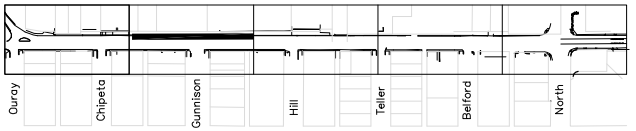
PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



FLOW LINE OF GUTTER WEST (2)



KEYMAP

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DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

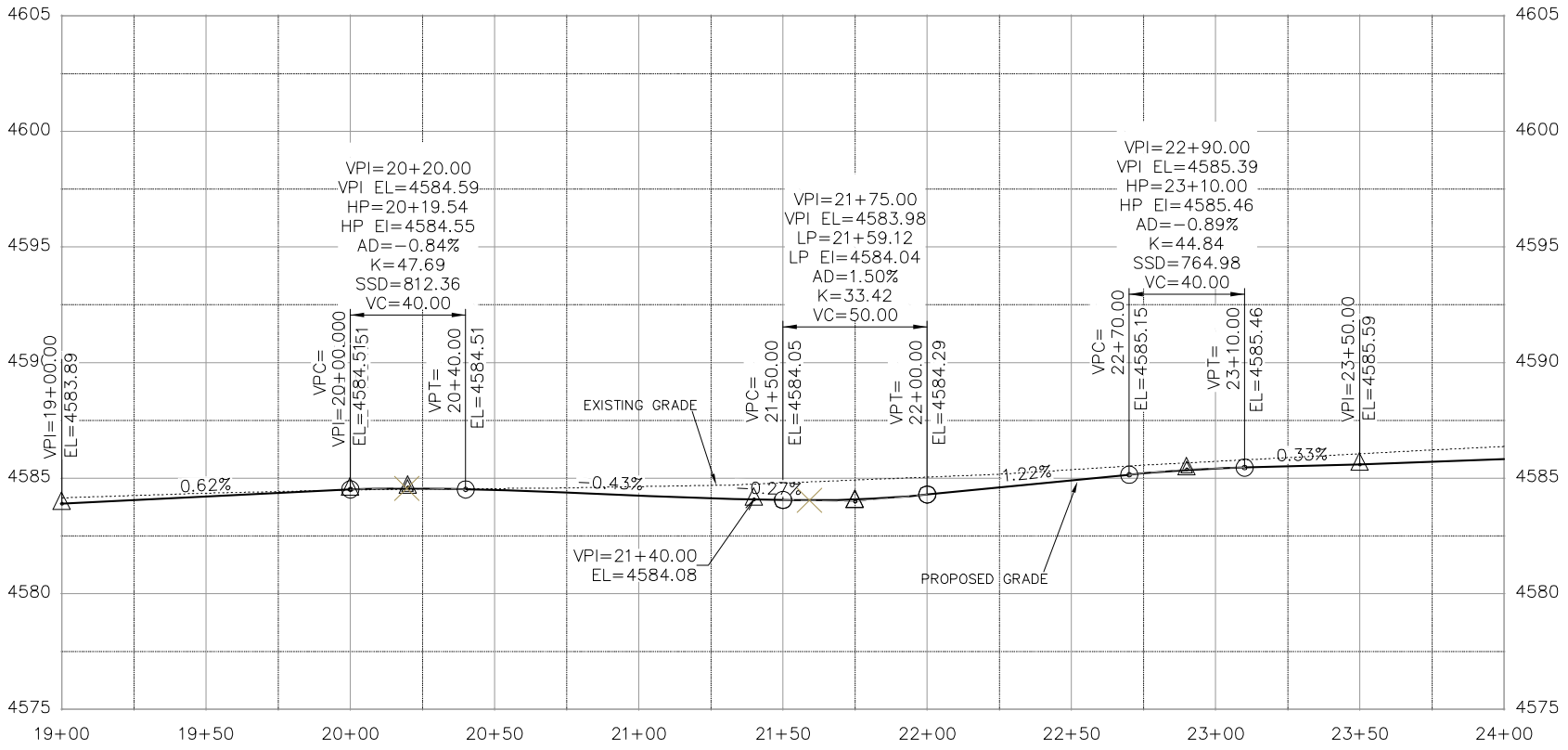
CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

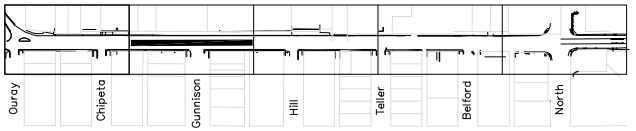
1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 19+00 TO STA 24+00

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



CONTROL-MONUMENT LINE (2)



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REVISION ⚠ XXX	- 201X
REVISION ⚠ XXX	- 201X
REVISION ⚠ XXX	- 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

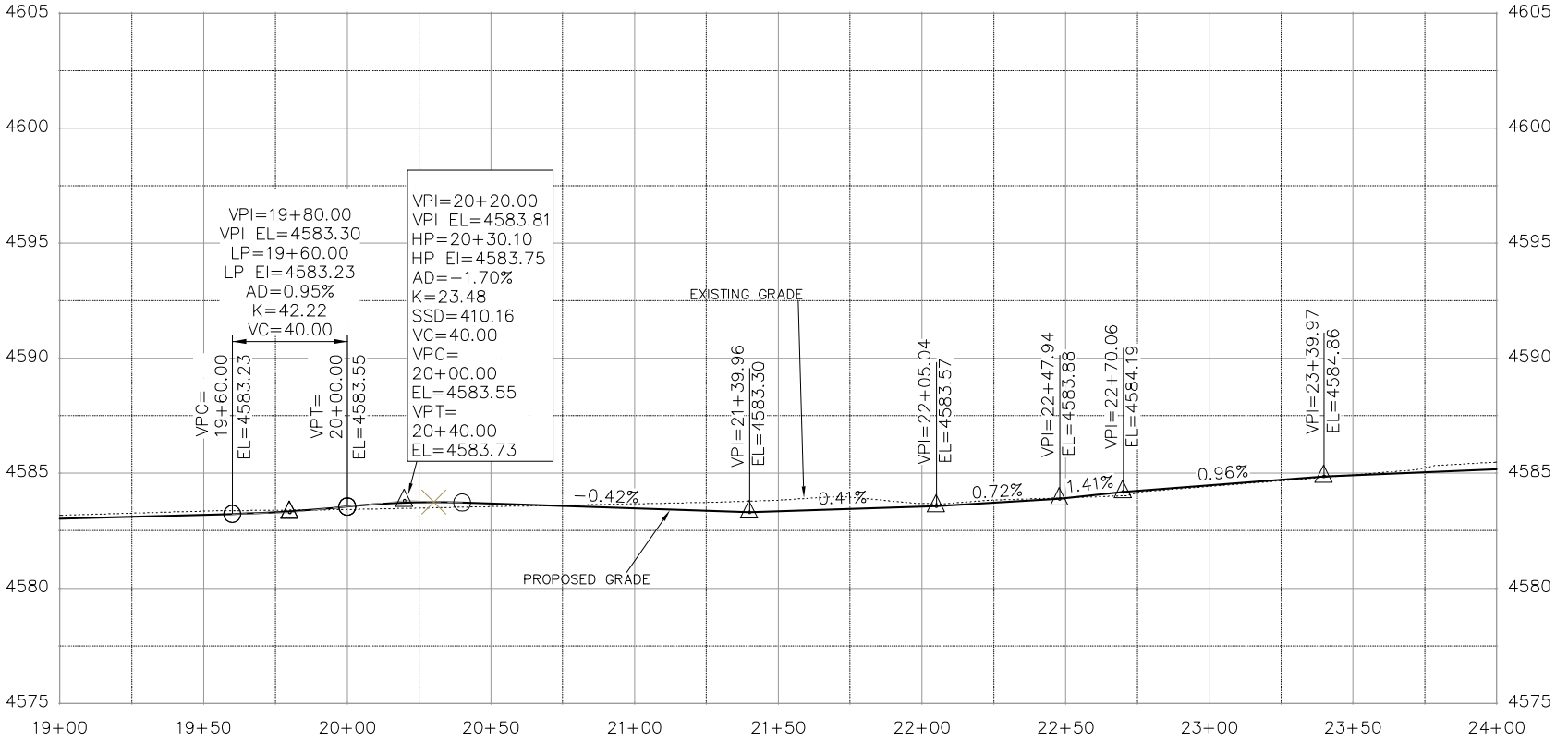
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 19+00 TO STA 24+00

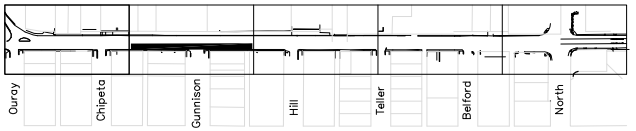
93

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



FLOW LINE OF GUTTER EAST (2)



KEYMAP

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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

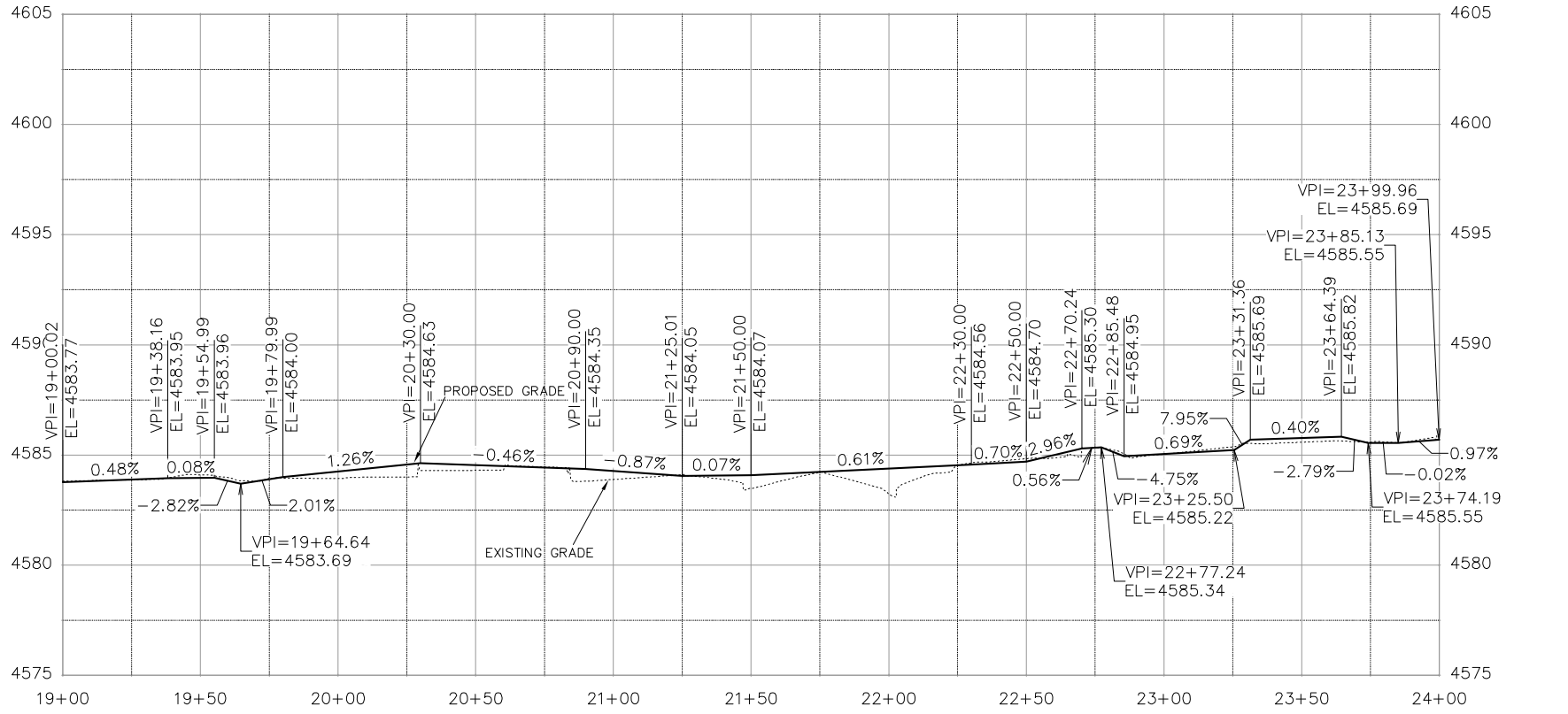
CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

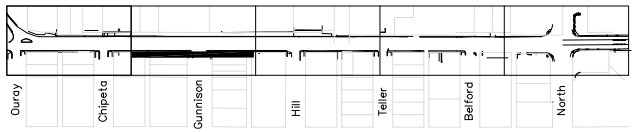
1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 19+00 TO STA 24+00

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



BACK OF WALK EAST (RIGHT) (2)



KEYMAP

DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

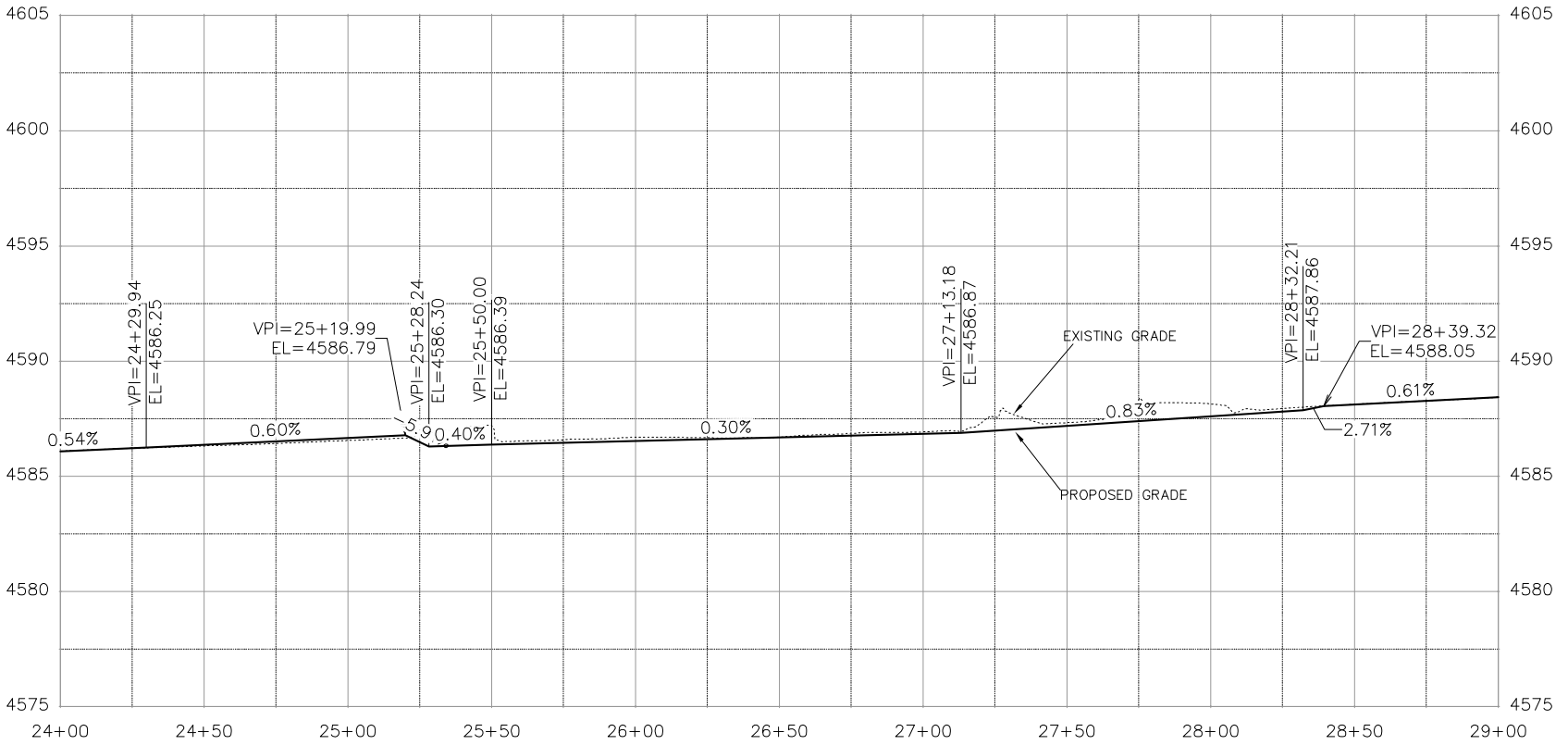
1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 19+00 TO STA 24+00

95

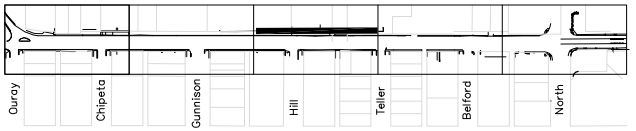
N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\ROADWAY PROFILE.dwg, 7/13/2016 2:40:51 PM

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



BACK OF WALK WEST (LEFT) (3)



KEYMAP

DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 2.5 5

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

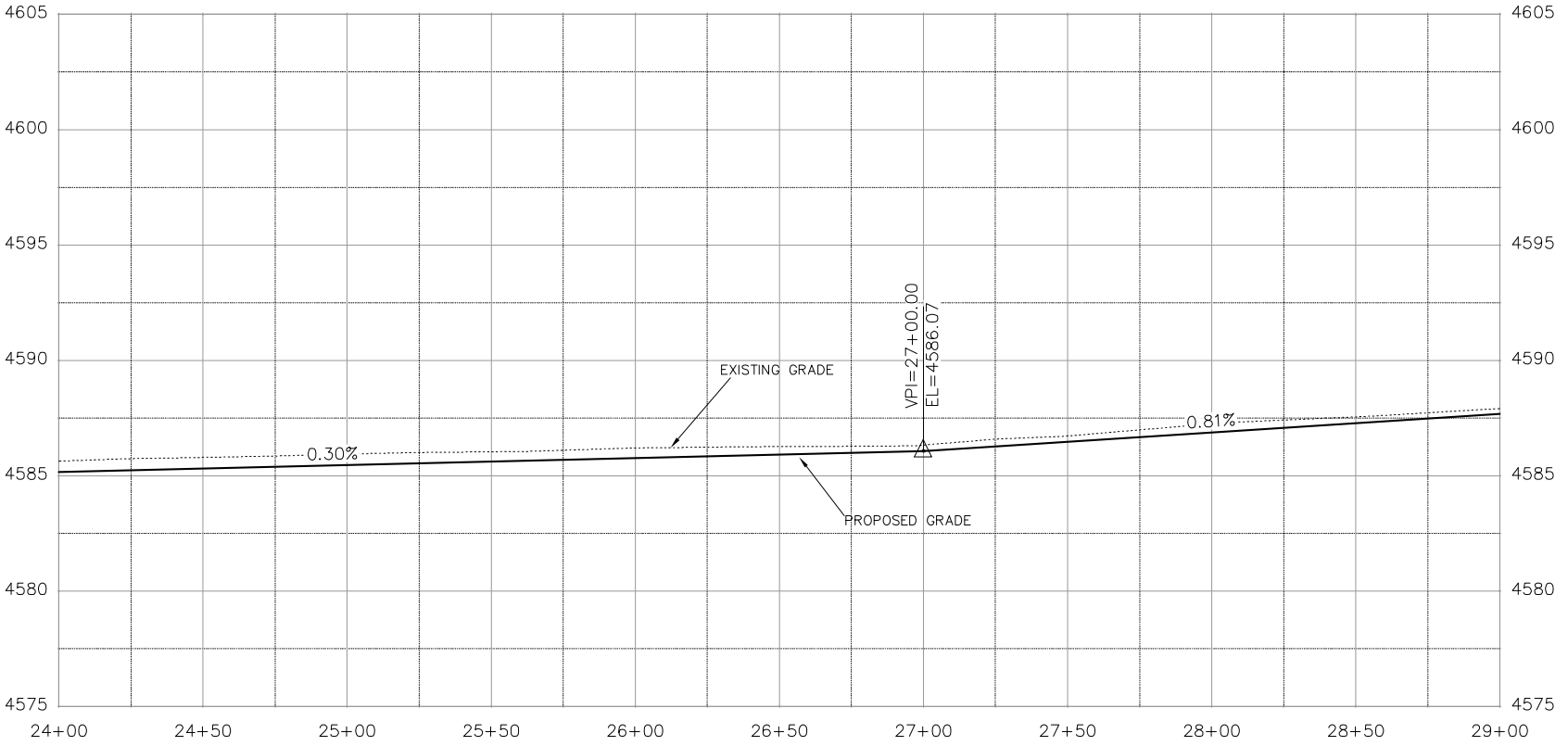
1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 24+00 TO STA 29+00

96

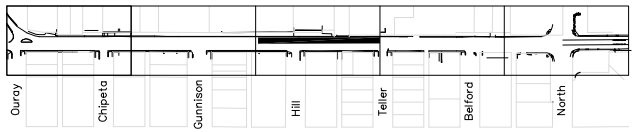
N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\ROADWAY PROFILE.dwg, 7/13/2016 2:41:43 PM

PROJECT NO. 201-F1501

SEE STAKING PLANS
FOR STAKING DATA



FLOW LINE OF GUTTER WEST (3)



KEYMAP

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

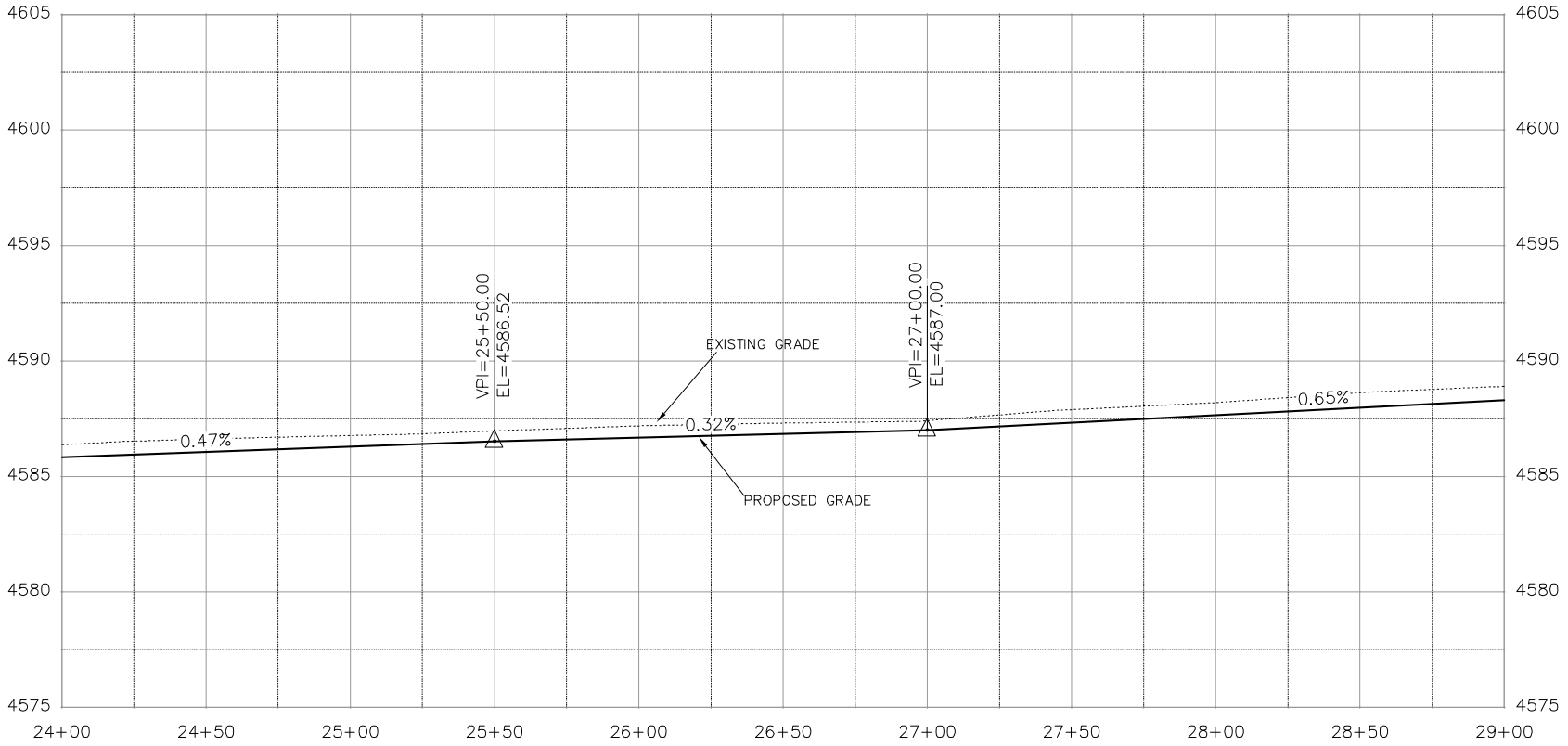
1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 24+00 TO STA 29+00

97

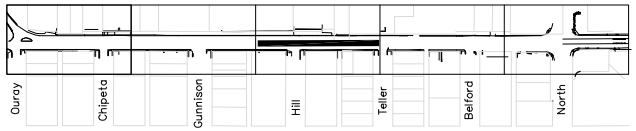
N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\ROADWAY PROFILE.dwg, 7/13/2016 2:42:32 PM

PROJECT NO. 201-F1501

SEE STAKING PLANS
FOR STAKING DATA



CONTROL-MONUMENT LINE (3)



KEYMAP

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DESCRIPTION	DATE
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REVISION 2 XXX	- 201X
REVISION 3 XXX	- 201X
REVISION 4 XXX	- 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

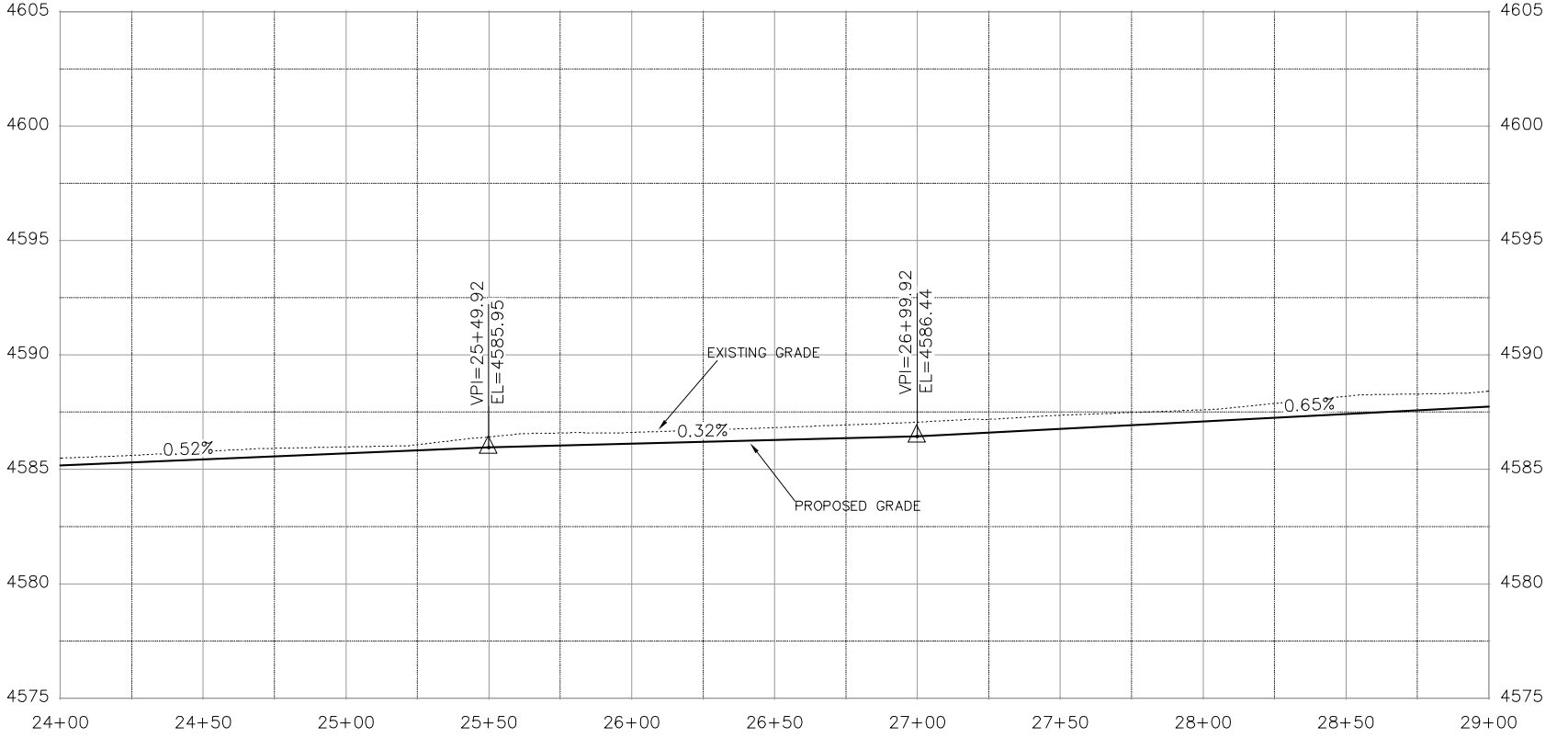
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 24+00 TO STA 29+00

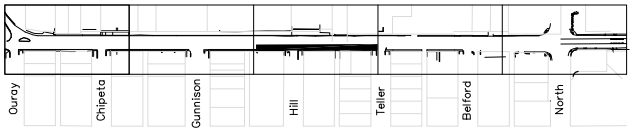
98

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



FLOW LINE OF GUTTER EAST (3)



KEYMAP

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DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 2.5 5

CITY OF Grand Junction COLORADO

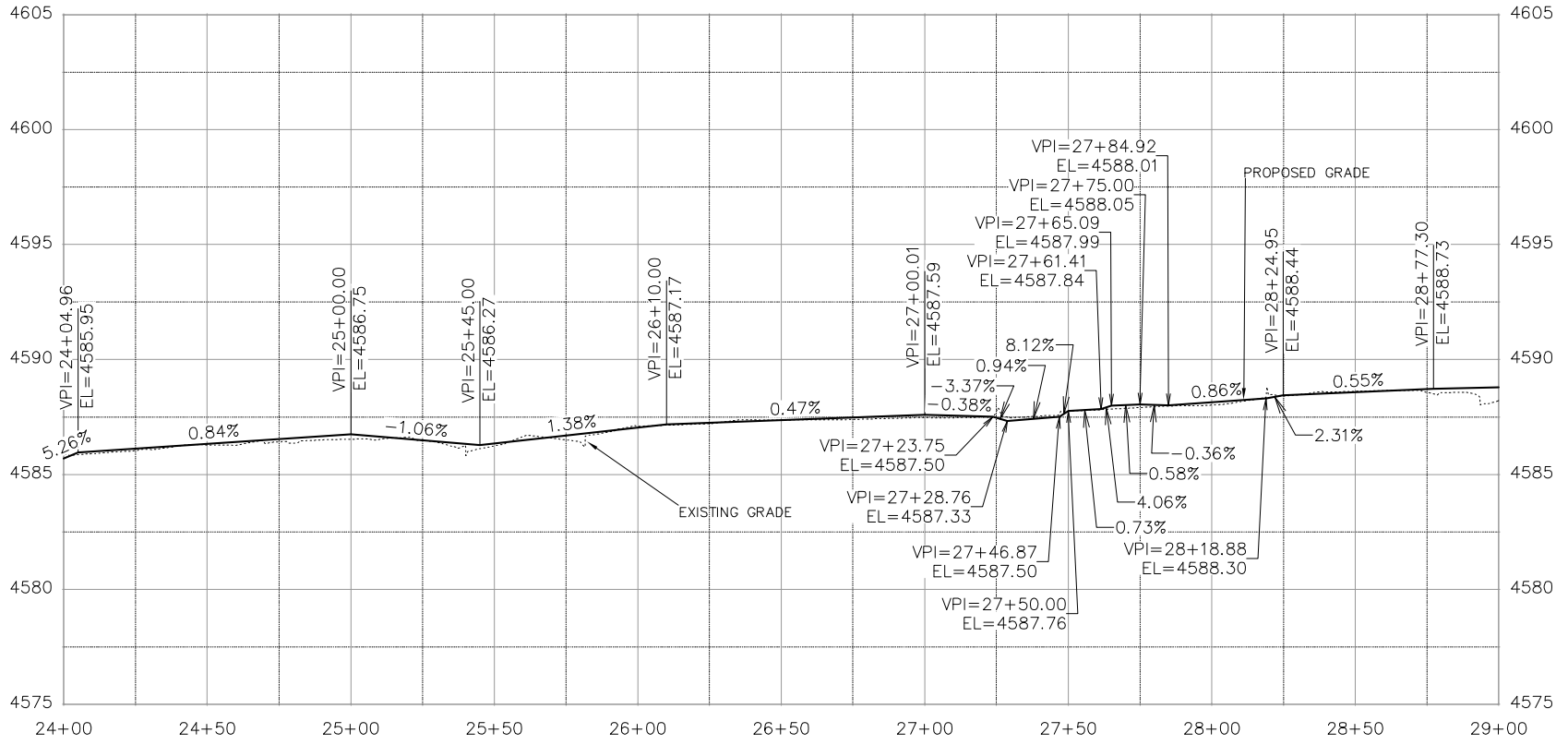
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 24+00 TO STA 29+00

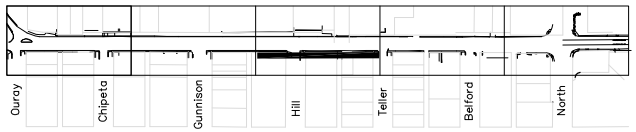
99

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



BACK OF WALK EAST (RIGHT) (3)



KEYMAP

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DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

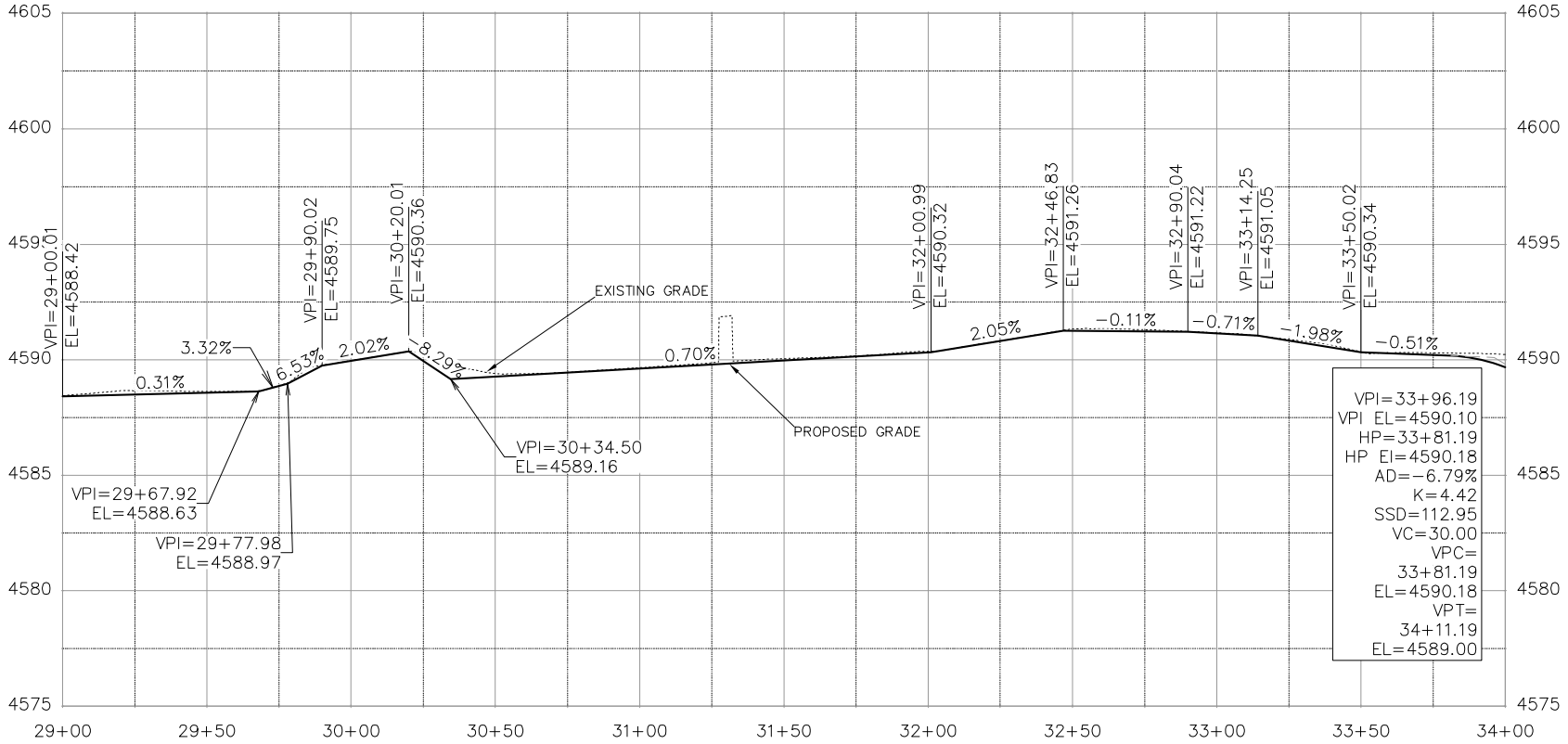
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 24+00 TO STA 29+00

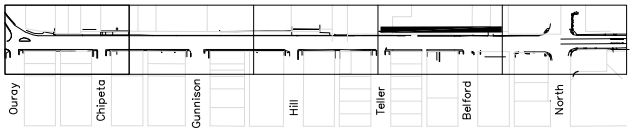
100

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



BACK OF WALK WEST (LEFT) (4)



KEYMAP

DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

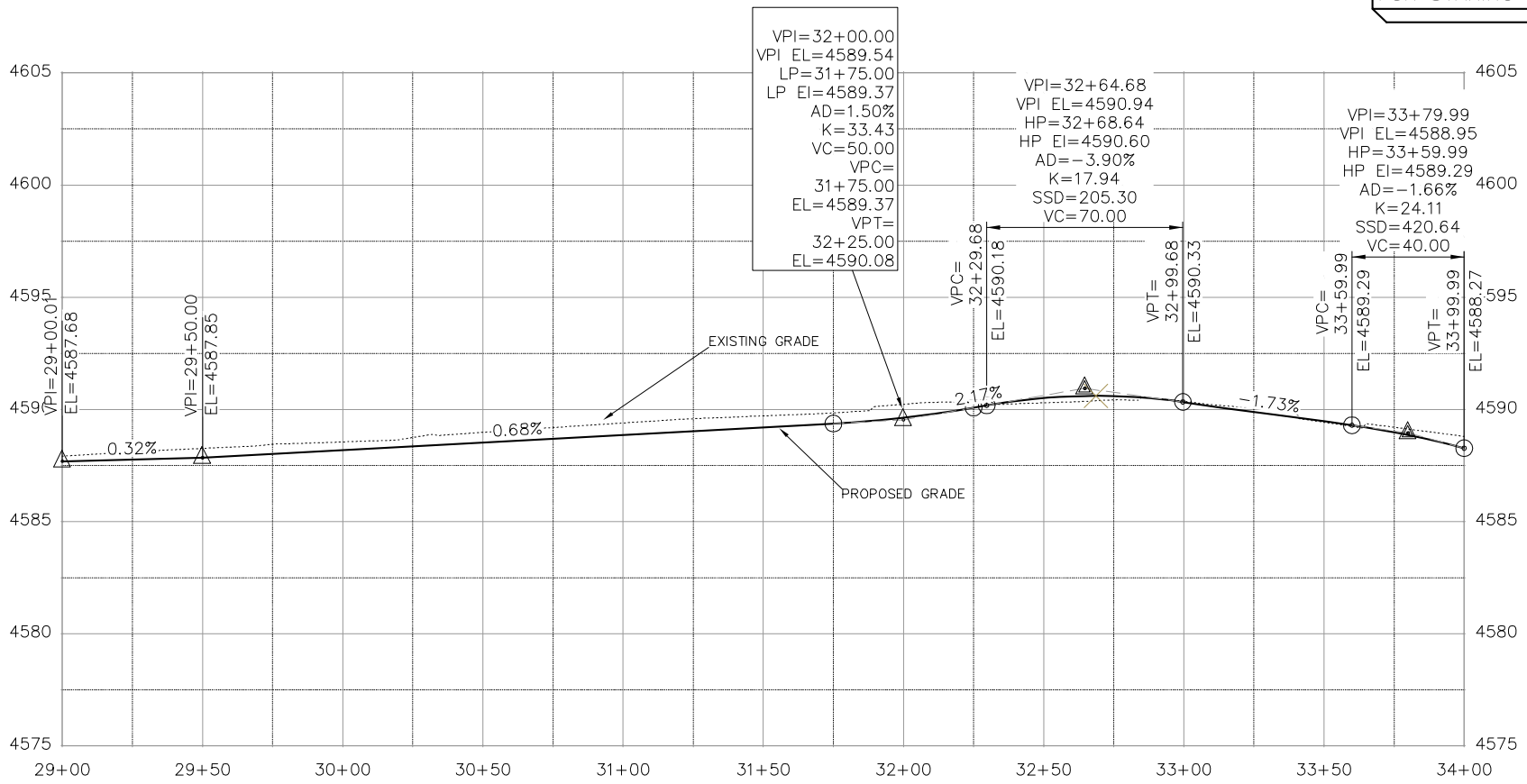
1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 29+00 TO STA 34+00

101

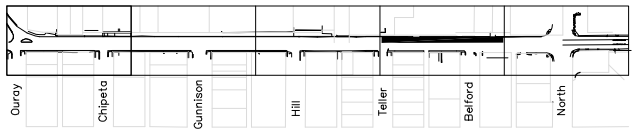
N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\ROADWAY PROFILE.dwg, 016 BOW 2934 W, 12/15/2016 4:42:20 PM

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



FLOW LINE OF GUTTER WEST (4)



KEYMAP

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DESCRIPTION	DATE
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REVISION 2 XXX	- 201X
REVISION 3 XXX	- 201X
REVISION 4 XXX	- 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

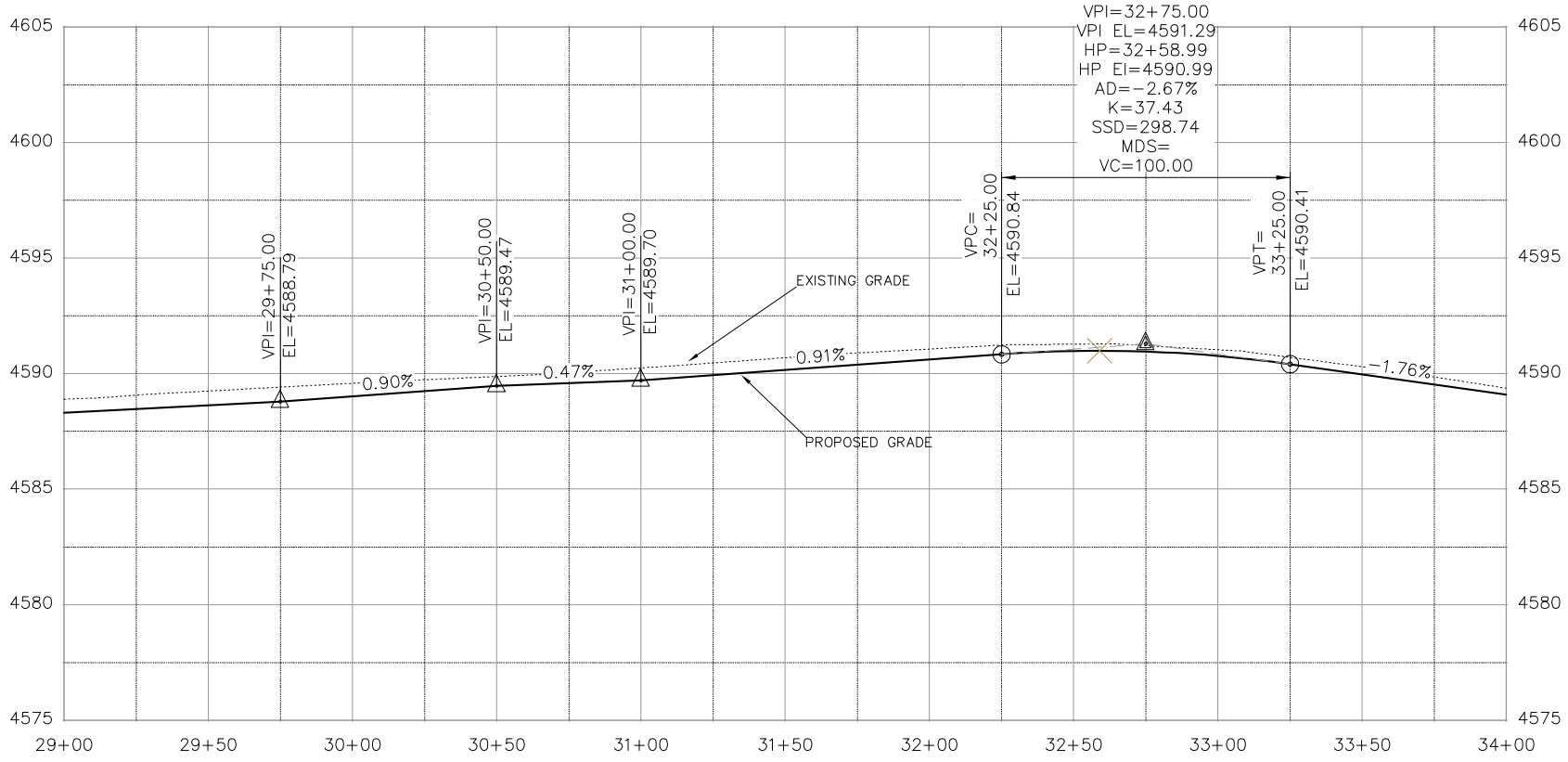
CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

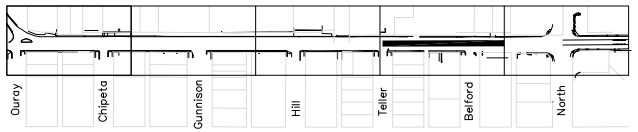
1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 29+00 TO STA 34+00

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



CONTROL-MONUMENT LINE (4)



KEYMAP

DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

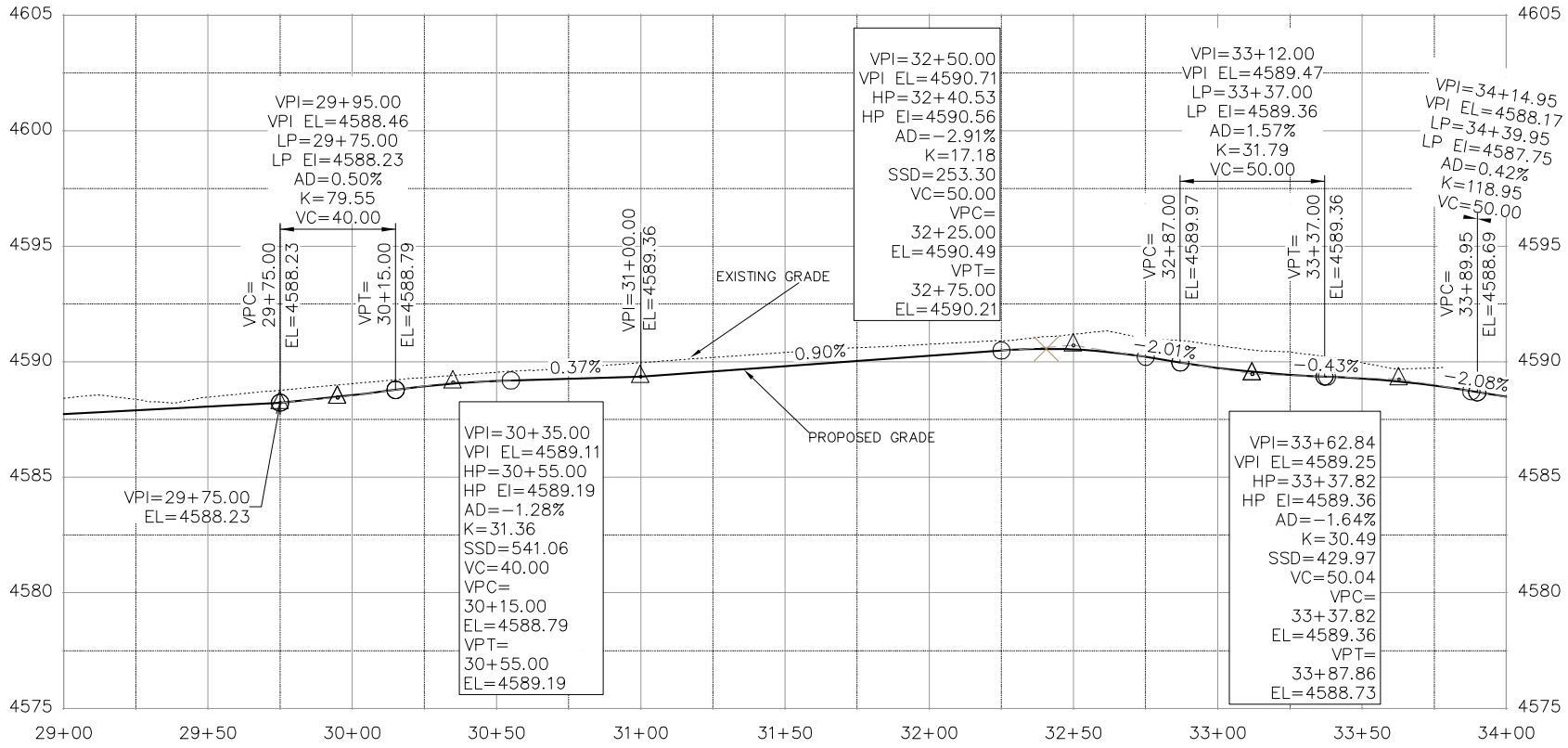
1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 29+00 TO STA 34+00

103

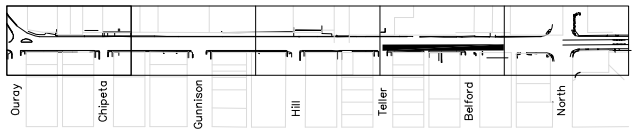
N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\ROADWAY PROFILE.dwg, 7/13/2016 2:47:04 PM

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



FLOW LINE OF GUTTER EAST (4)



KEYMAP

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DESCRIPTION	DATE
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REVISION 2 XXX	- 201X
REVISION 3 XXX	- 201X
REVISION 4 XXX	- 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

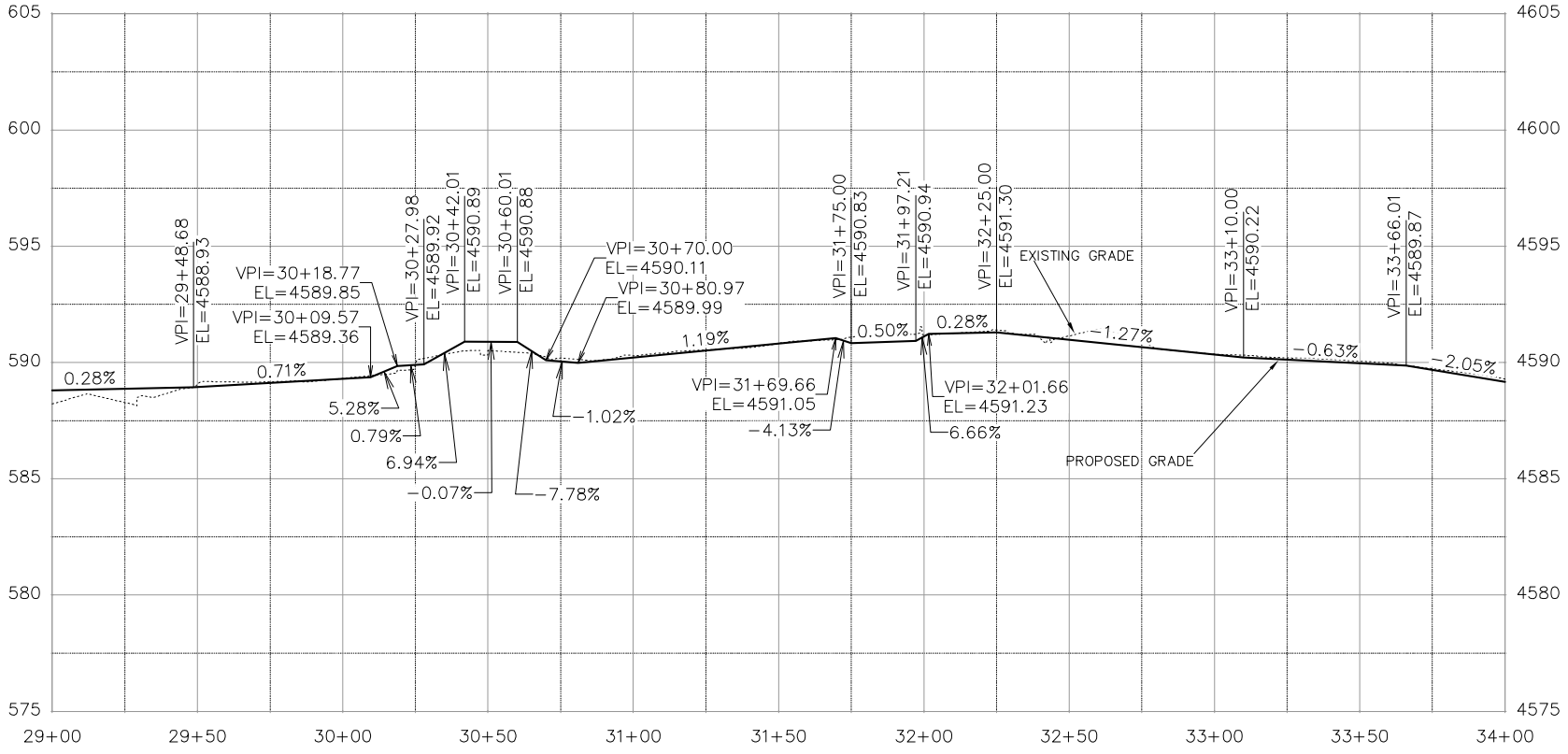
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 29+00 TO STA 34+00

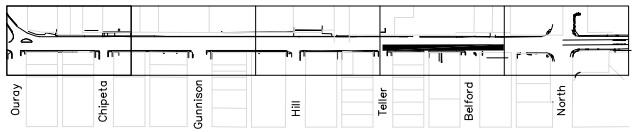
104

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



BACK OF WALK EAST (RIGHT) (4)



KEYMAP

DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 29+00 TO STA 34+00

105

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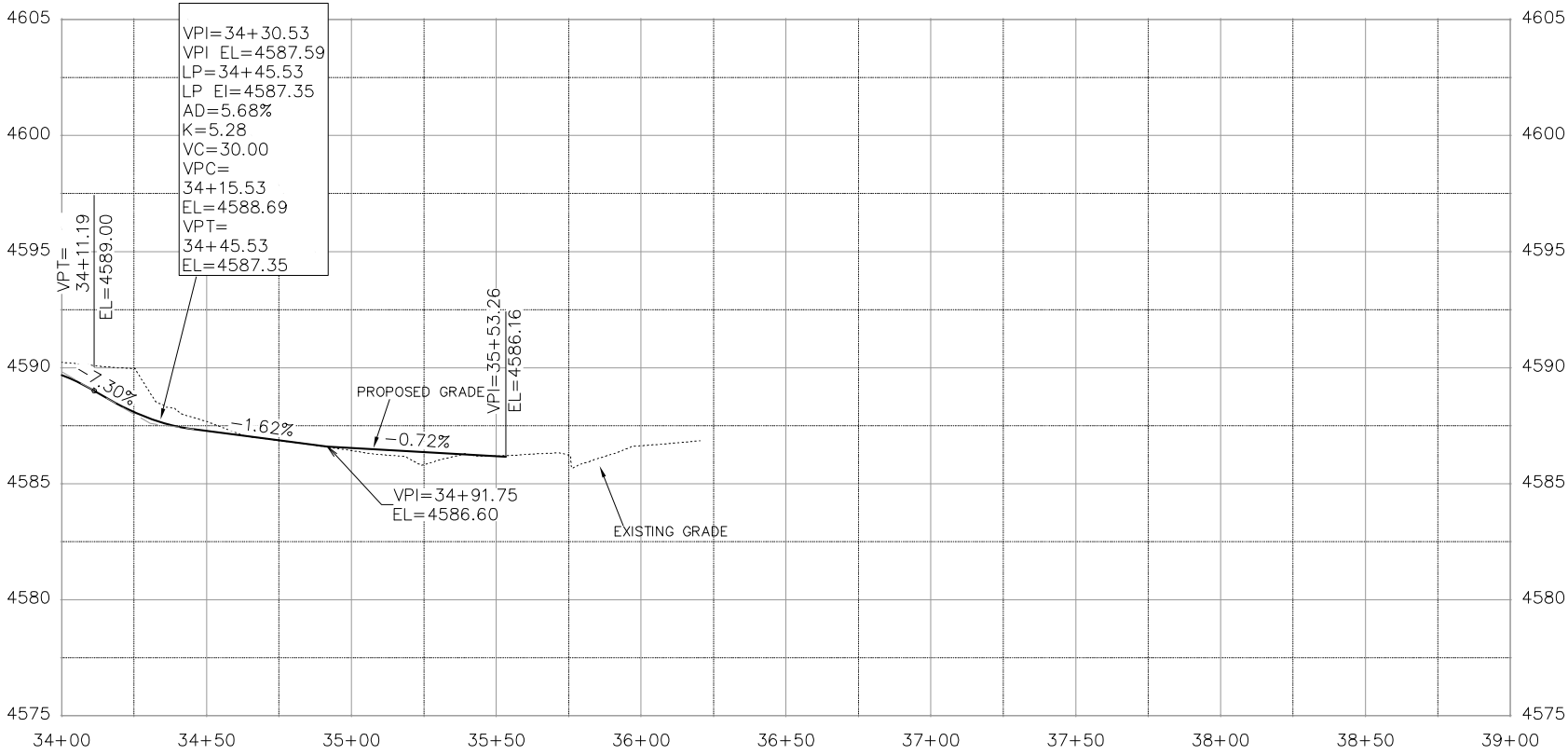
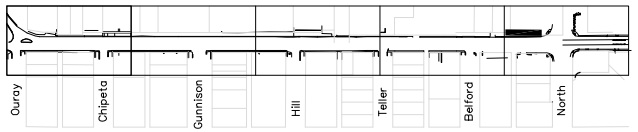
PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



BACK OF WALK WEST (LEFT) (5)



KEYMAP

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DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

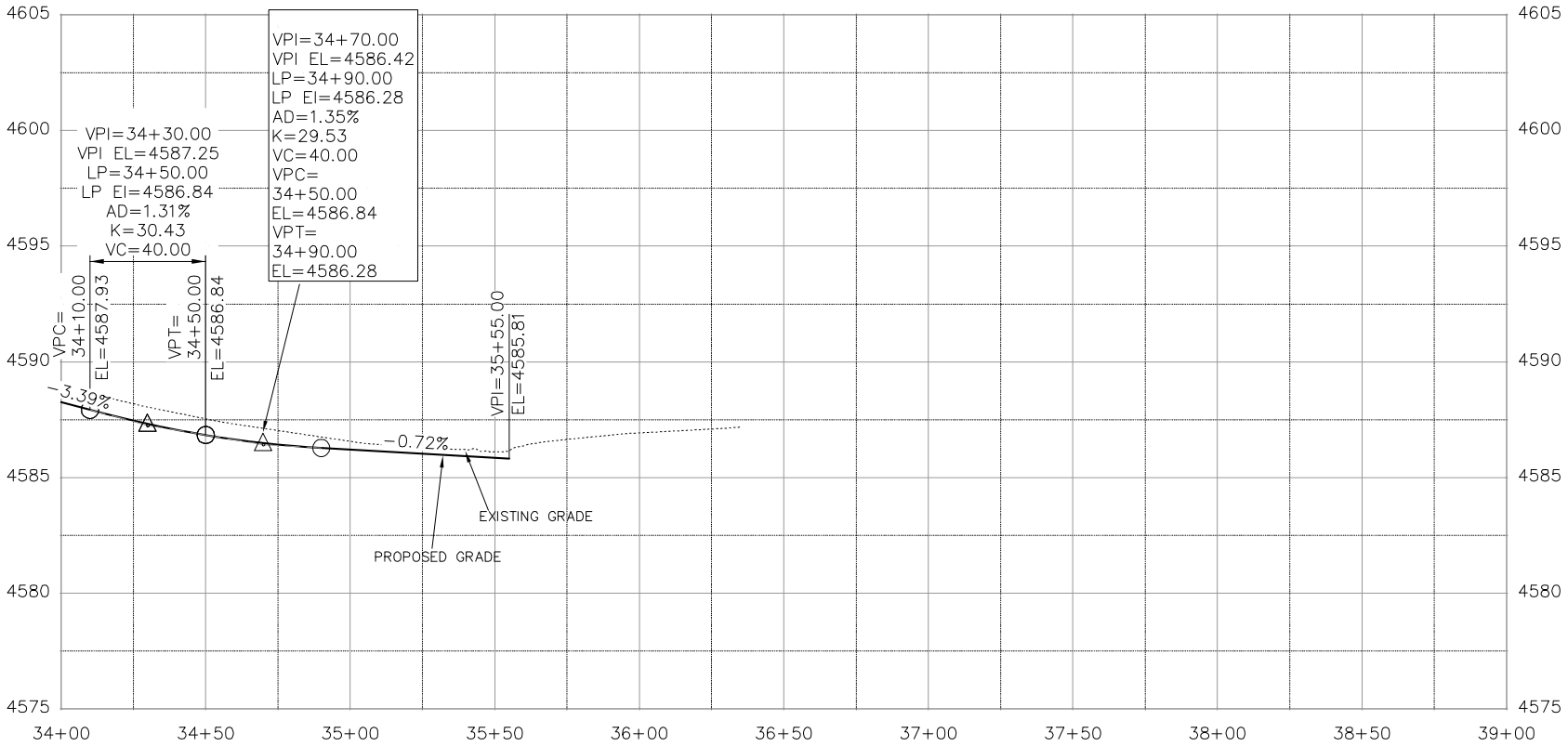
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 34+00 TO STA 39+00

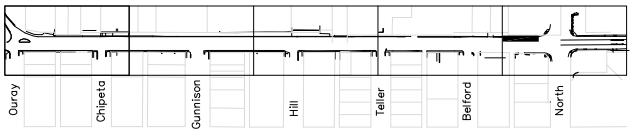
106

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



FLOW LINE OF GUTTER WEST (5)



KEYMAP

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

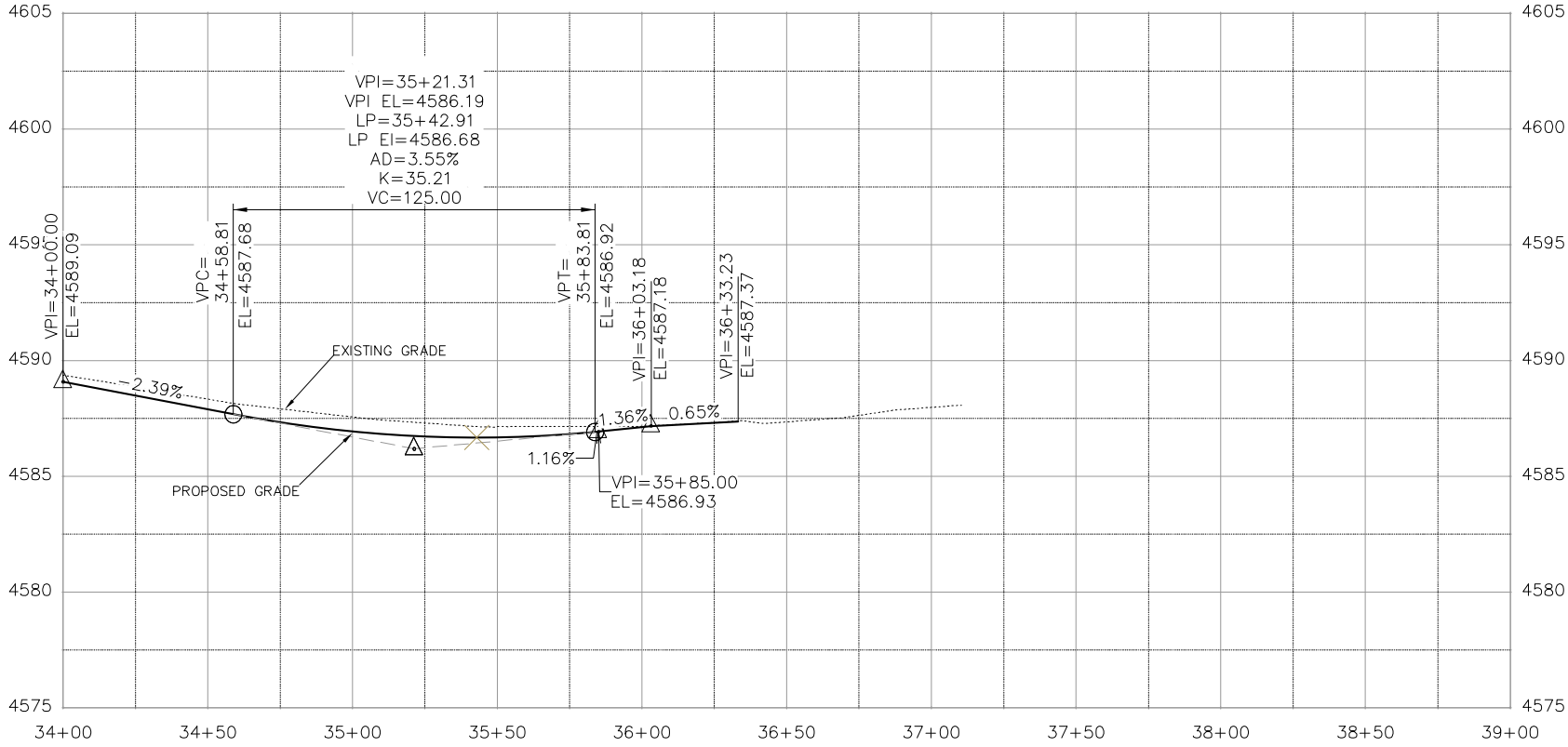
1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 34+00 TO STA 39+00

107

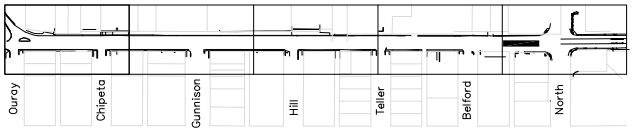
N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\ROADWAY PROFILE.dwg, 8/2/2016 9:07:03 AM

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



CONTROL-MONUMENT LINE (5)



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DESCRIPTION	DATE
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REVISION 2 XXX	- 201X
REVISION 3 XXX	- 201X
REVISION 4 XXX	- 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 2.5 5

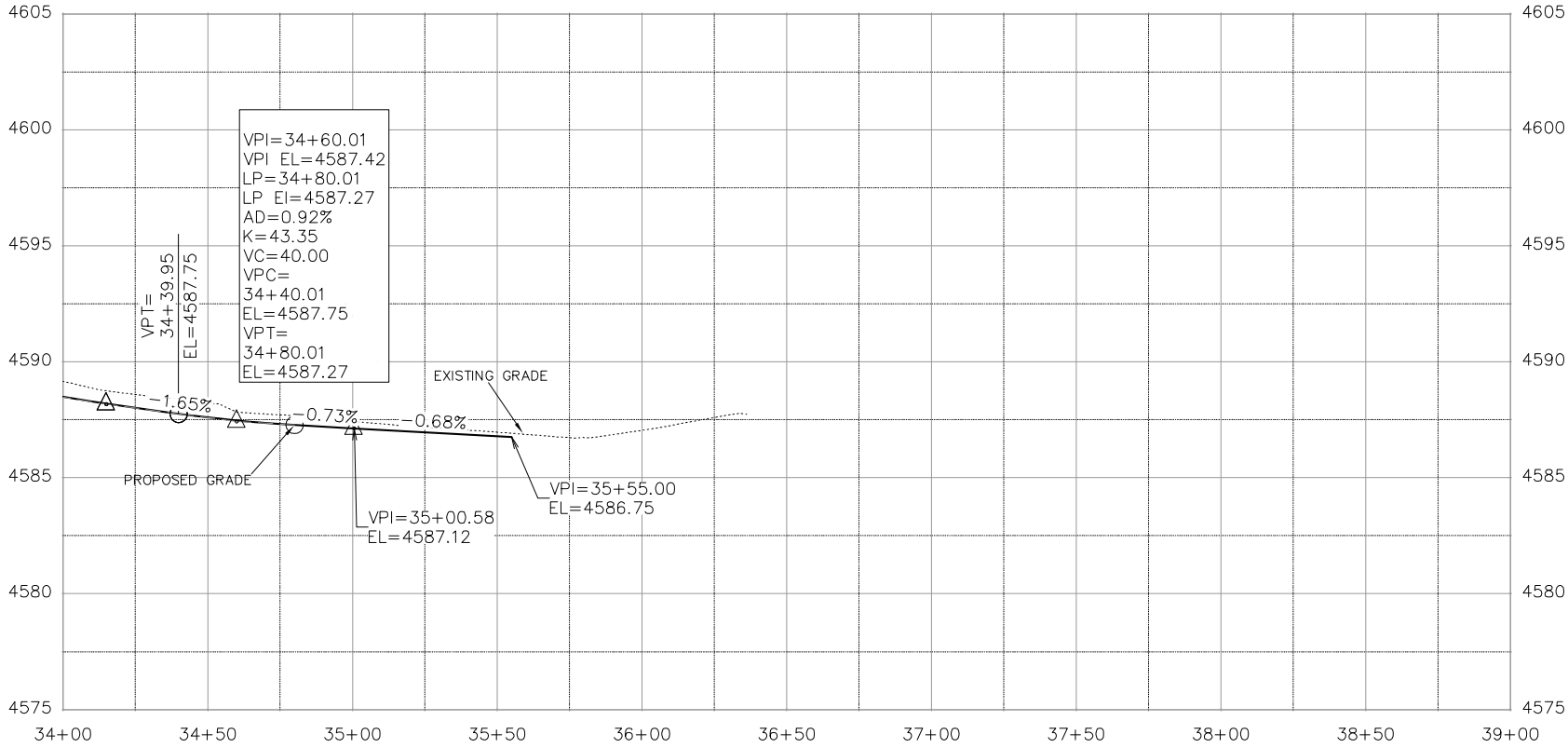
CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

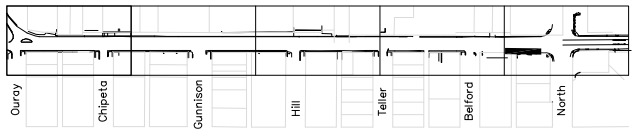
1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 34+00 TO STA 39+00

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



FLOW LINE OF GUTTER EAST (5)



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DESCRIPTION	DATE
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REVISION 2 XXX	- 201X
REVISION 3 XXX	- 201X
REVISION 4 XXX	- 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 34+00 TO STA 39+00

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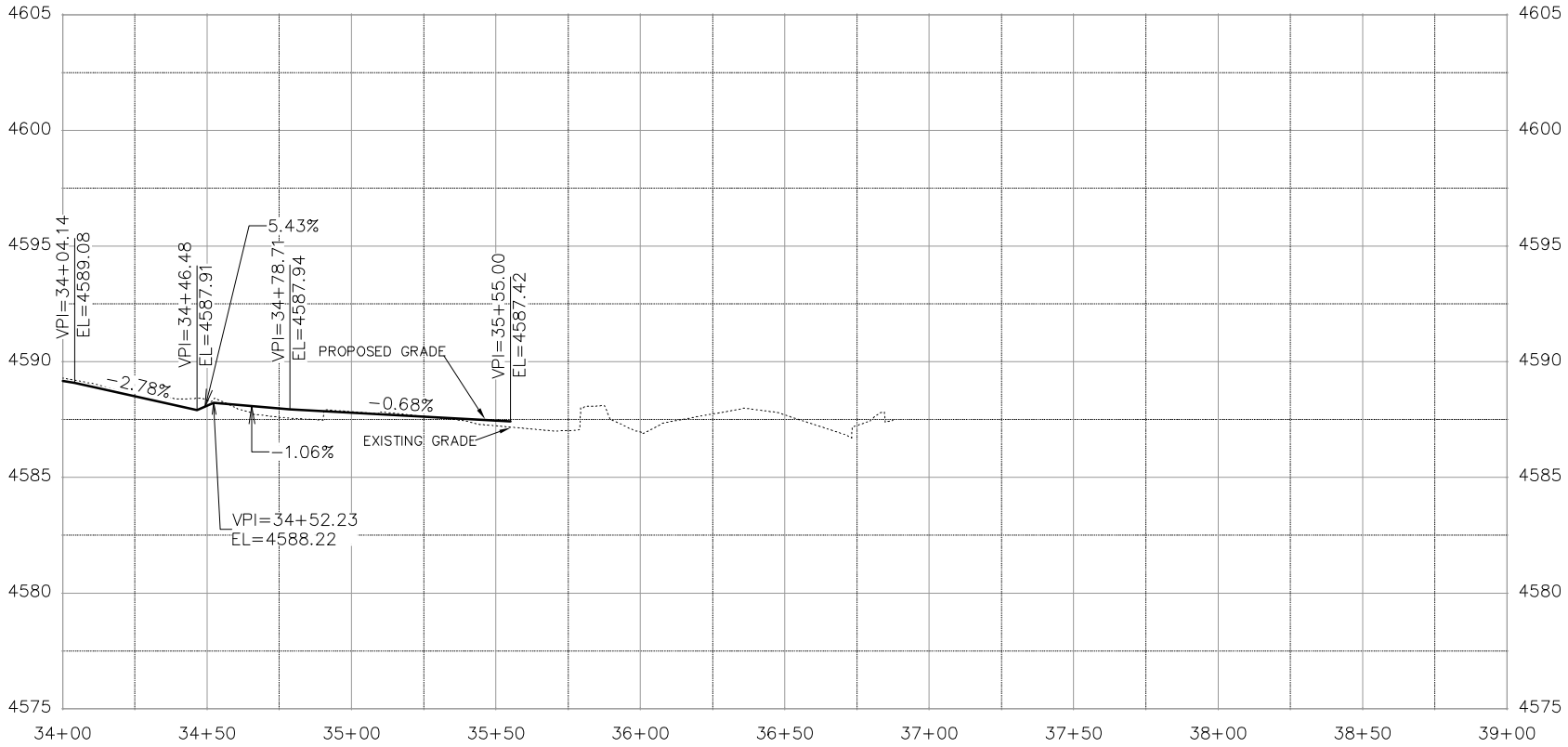
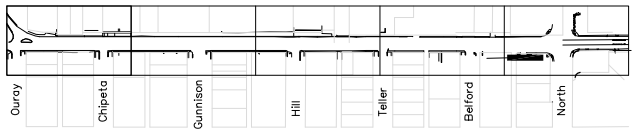
PROJECT NO. 201-F1501

SEE STAKING PLANS
FOR STAKING DATA



BACK OF WALK EAST (RIGHT) (5)



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DESCRIPTION	DATE
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REVISION 2 XXX	- 201X
REVISION 3 XXX	- 201X
REVISION 4 XXX	- 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

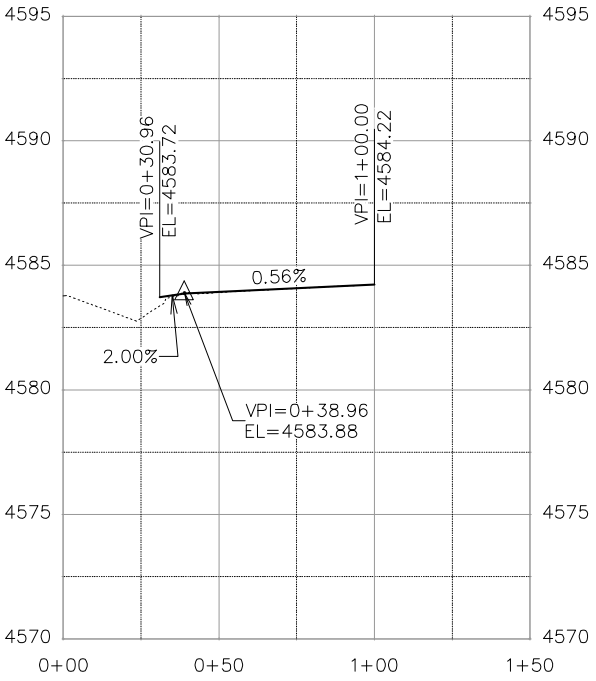
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
STA 34+00 TO STA 39+00

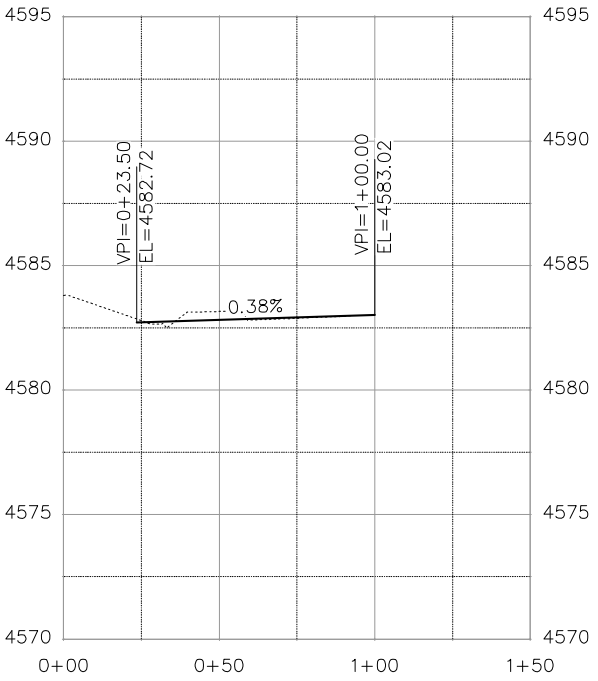
110

PROJECT NO. 201-F1501

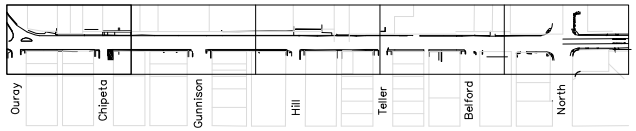
SEE STAKING PLANS
FOR STAKING DATA



CHIPETA NORTH BOW



CHIPETA NORTH FL



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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

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CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

CITY OF Grand Junction COLORADO

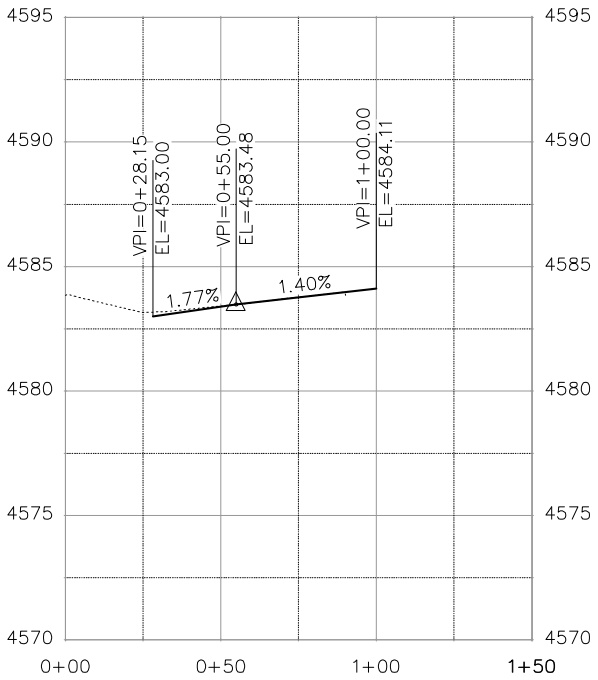
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
CHIPETA NORTH BOW & FL

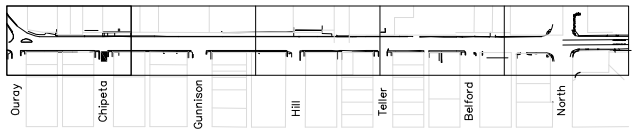
111

PROJECT NO. 201-F1501

SEE STAKING PLANS
FOR STAKING DATA



CHIPETA CL



KEYMAP

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

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APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

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AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
CHIPETA CL

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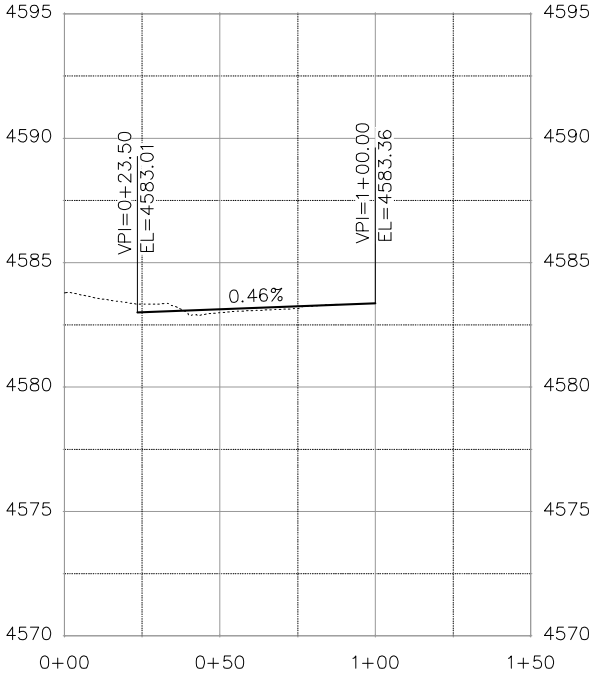
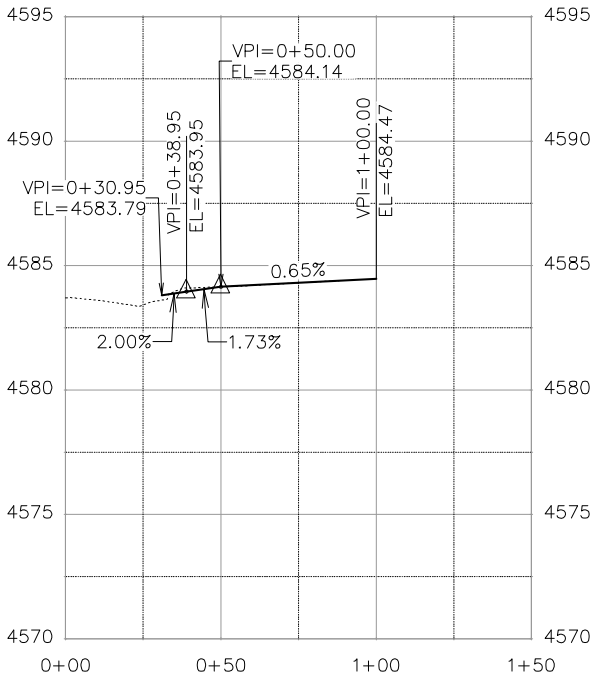
N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\ROADWAY PROFILE.dwg, 7/13/2016 2:55:39 PM

PROJECT NO. 201-F1501

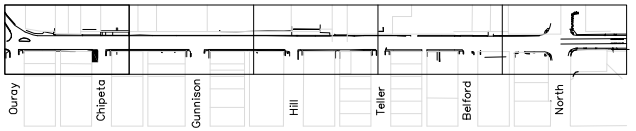
SEE STAKING PLANS FOR STAKING DATA



CHIPETA SOUTH FL



CHIPETA SOUTH BOW



KEYMAP

DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

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SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
CHIPETA SOUTH BOW & FL

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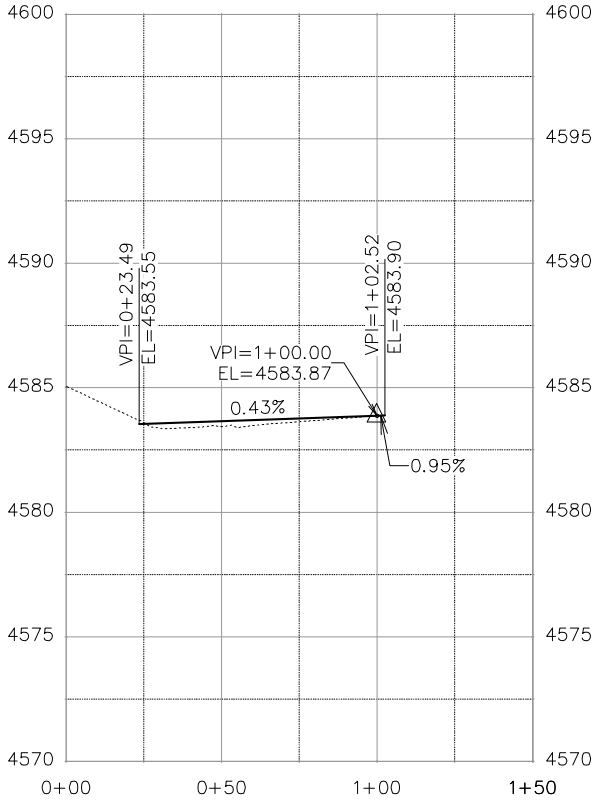
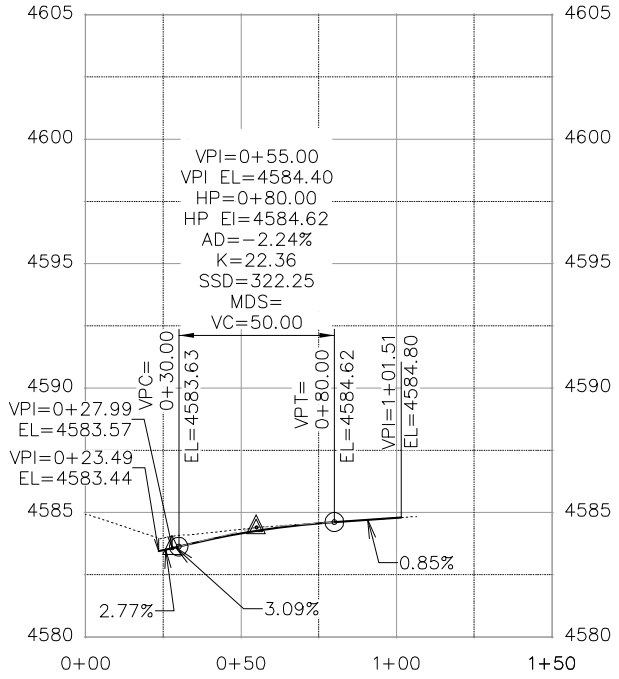
N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\ROADWAY PROFILE.dwg, 7/13/2016 2:56:25 PM

PROJECT NO. 201-F1501

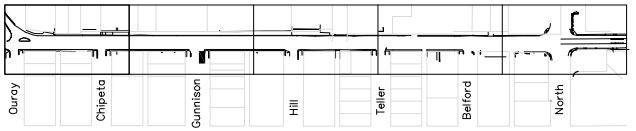
SEE STAKING PLANS FOR STAKING DATA



GUNNISON NORTH FL



GUNNISON CL



KEYMAP

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

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APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
GUNNISON NORTH FL & CL

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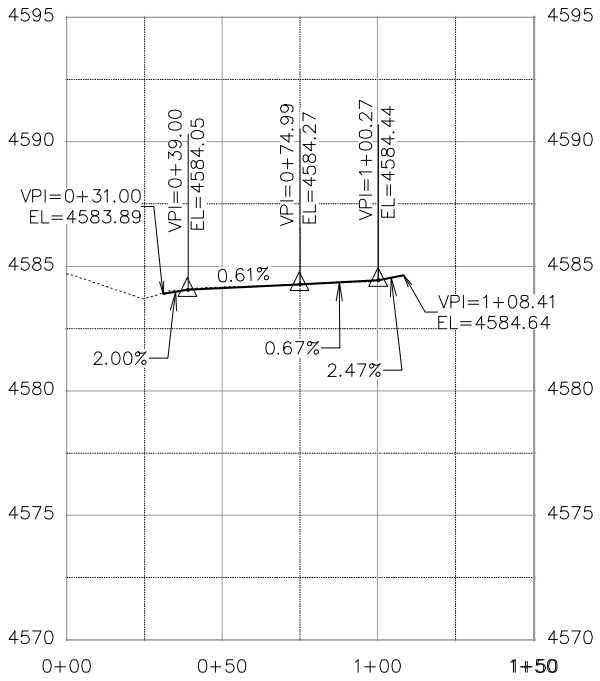
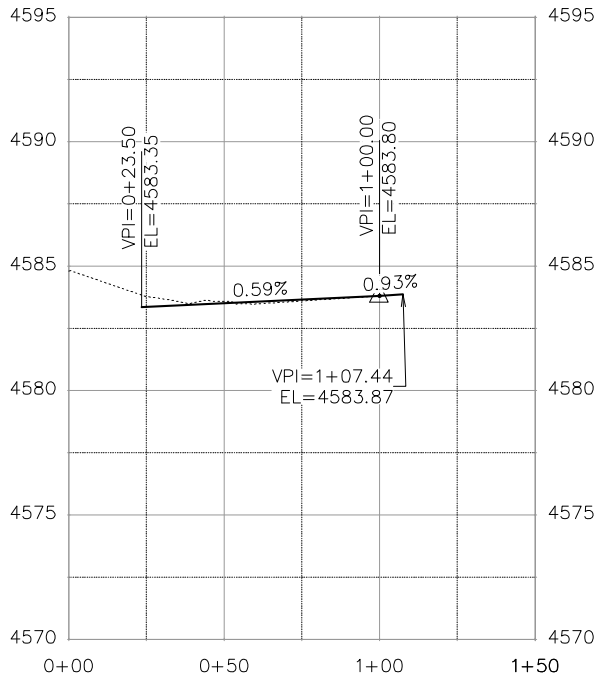
N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\ROADWAY PROFILE.dwg, 7/13/2016 2:57:27 PM

PROJECT NO. 201-F1501

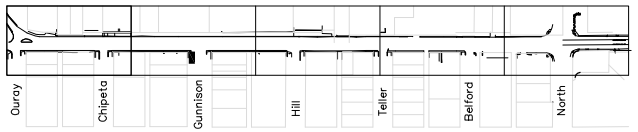
SEE STAKING PLANS
FOR STAKING DATA



GUNNISON SOUTH BOW



GUNNISON SOUTH FL



KEYMAP

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DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

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DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

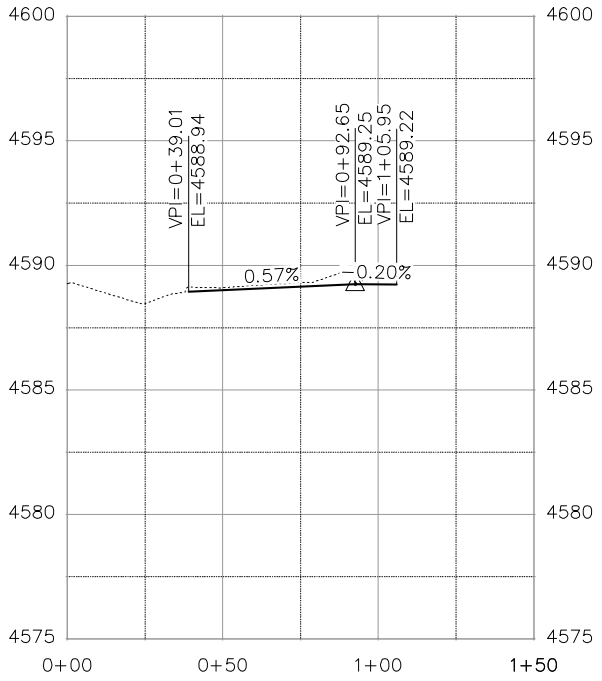
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
GUNNISON SOUTH BOW & FL

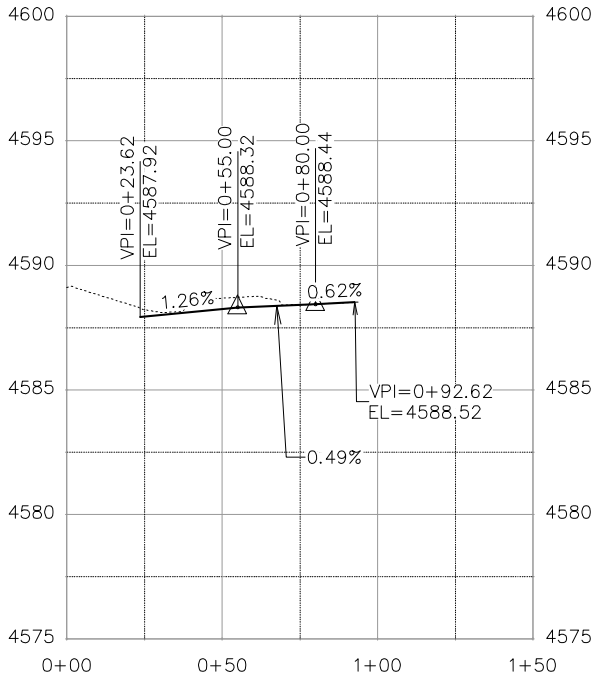
115

PROJECT NO. 201-F1501

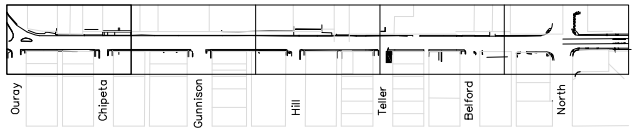
SEE STAKING PLANS
FOR STAKING DATA



TELLER NORTH BOW



TELLER NORTH FL



KEYMAP

DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

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SCALES:
PLAN & PROFILE
HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
TELLER NORTH BOW & FL

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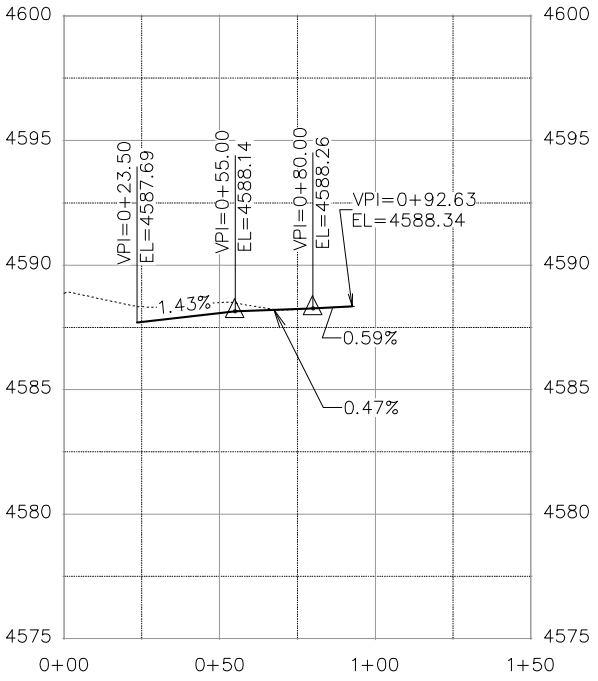
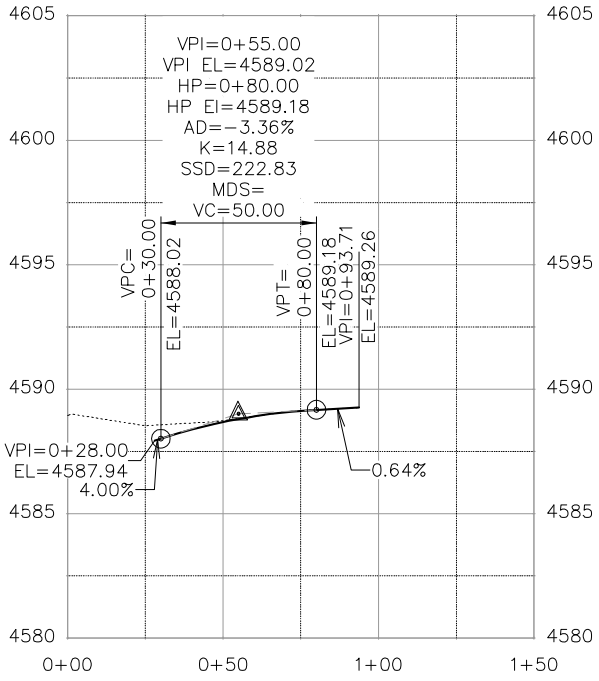
PROJECT NO. 201-F1501

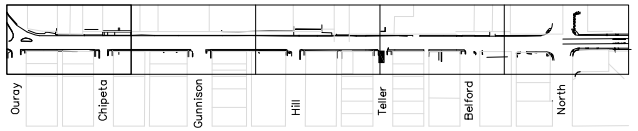
SEE STAKING PLANS
FOR STAKING DATA



TELLER SOUTH FL



TELLER CL



KEYMAP

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DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

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AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY PROFILE
TELLER SOUTH FL & CL

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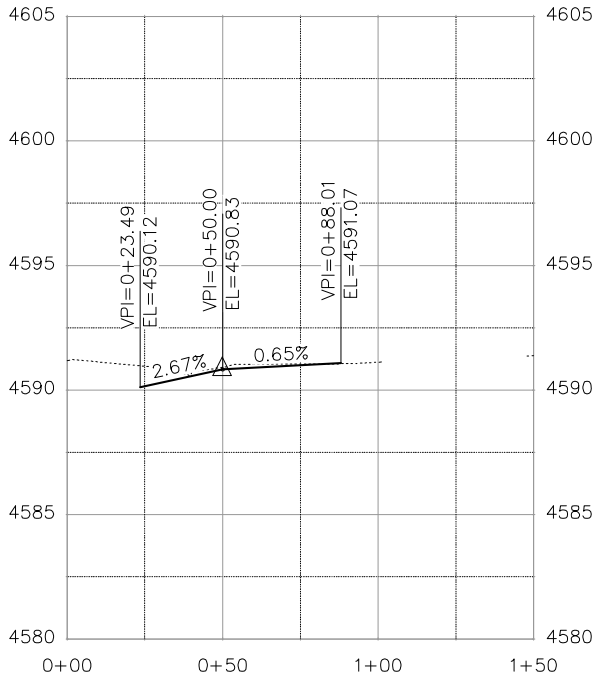
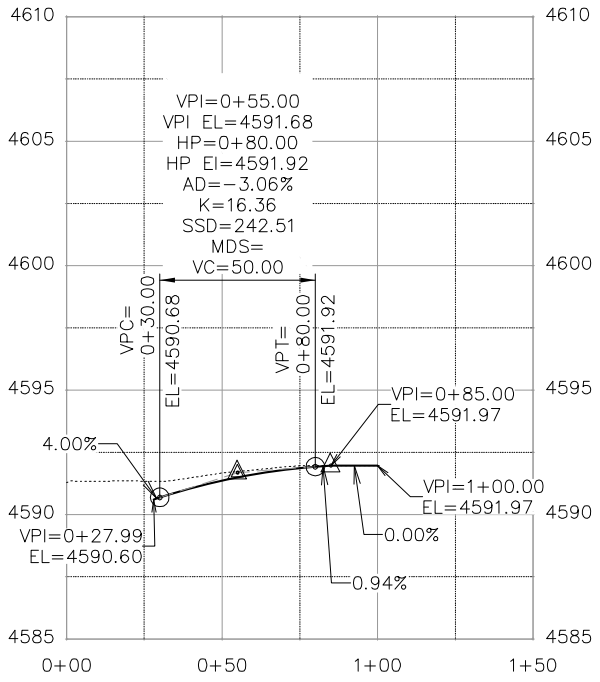
PROJECT NO. 201-F1501

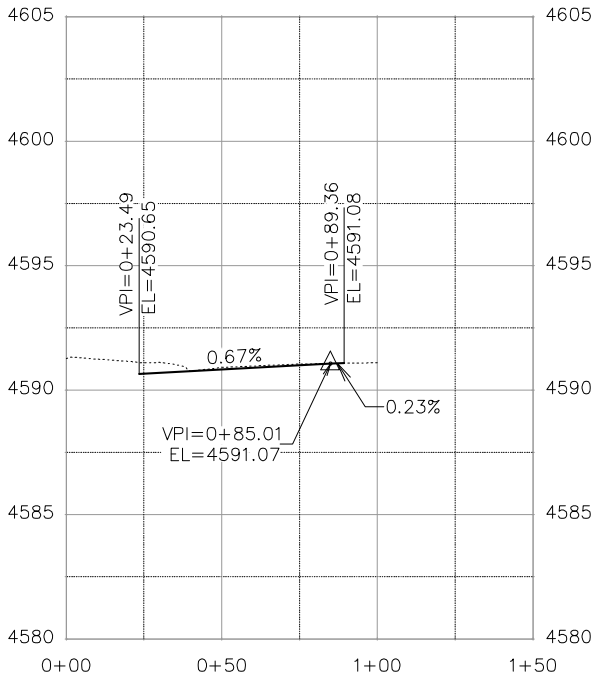
SEE STAKING PLANS FOR STAKING DATA



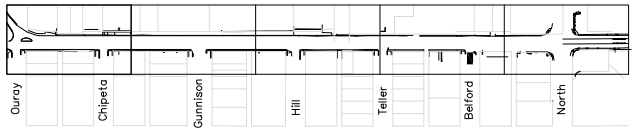
BELFORD NORTH FL



BELFORD CL



BELFORD SOUTH FL



KEYMAP

DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

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SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

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AND UTILITIES
ENGINEERING DIVISION

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BELFORD

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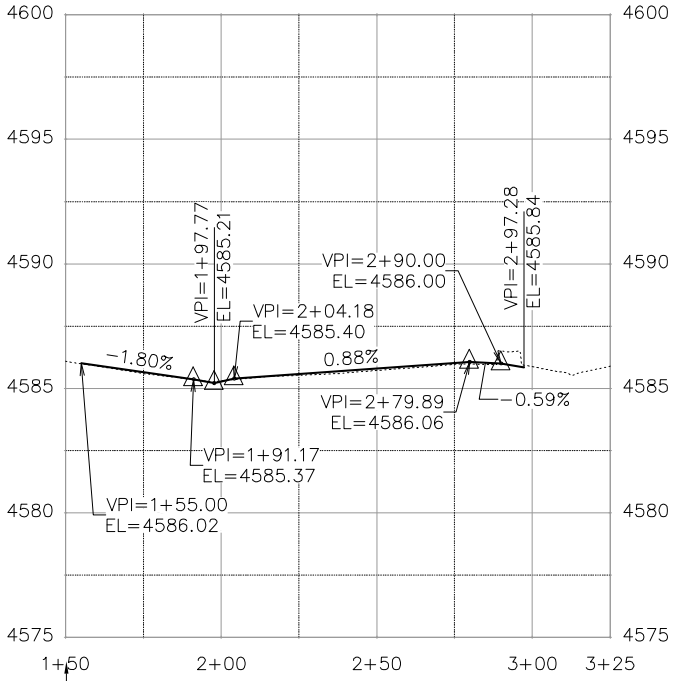
N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\ROADWAY PROFILE.dwg, 7/13/2016 3:02:41 PM

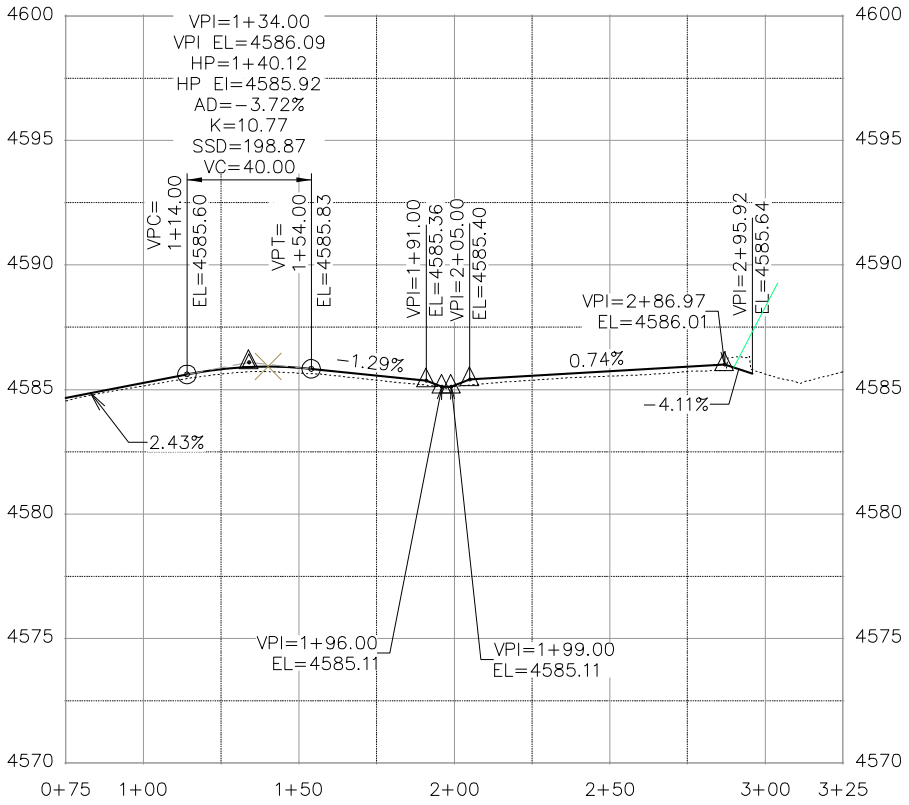
PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



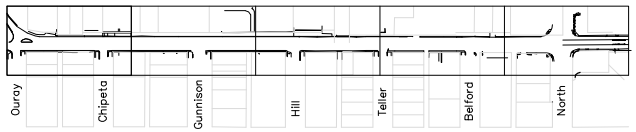
FUUCO NORTH FL

STATION LEFT,RIGHT, & CL ARE SYNCED AT 1+50, PRIOR TO THAT EACH ENTITY HAS ITS OWN STATION



FUUCO CL

STATION LEFT,RIGHT, & CL ARE SYNCED AT 1+50, PRIOR TO THAT EACH ENTITY HAS ITS OWN STATION



KEYMAP

DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

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SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

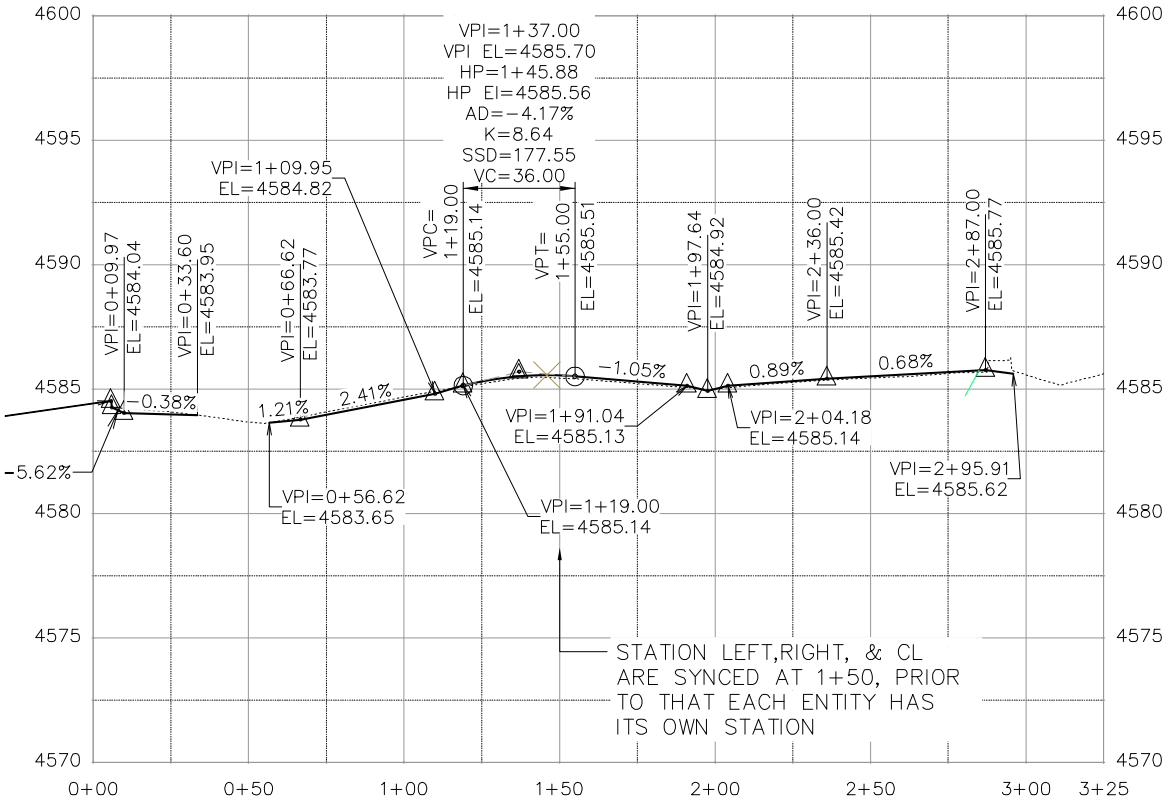
1ST STREET RECONSTRUCTION
ROADWAY PROFILE
BELFORD

119

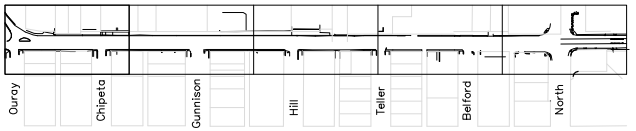
N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\ROADWAY PROFILE.dwg, 034 FUUCO DRIVE, 11/3/2016 8:46:16 AM

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



FUUCO SOUTH FL



KEYMAP

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

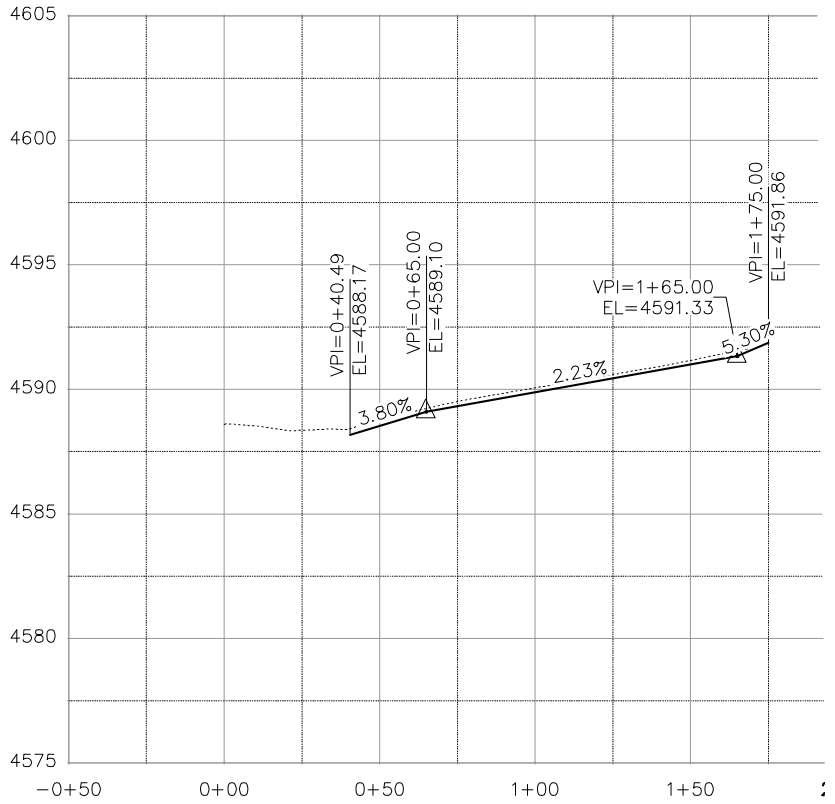
1ST STREET RECONSTRUCTION
ROADWAY PROFILE
BELFORD

120

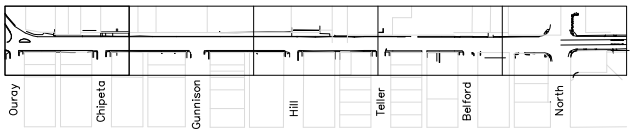
N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\ROADWAY PROFILE.dwg, 035 FUUCO DRIVE (2), 11/3/2016 8:51:15 AM

PROJECT NO. 201-F1501

SEE STAKING PLANS
FOR STAKING DATA



ALLEY BELFORD NORTH AVE - CL



KEYMAP

DESCRIPTION	DATE
REVISION ⚠ XXX	- 201X
REVISION ⚠ XXX	- 201X
REVISION ⚠ XXX	- 201X
REVISION ⚠ XXX	- 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 1.25 2.5 5

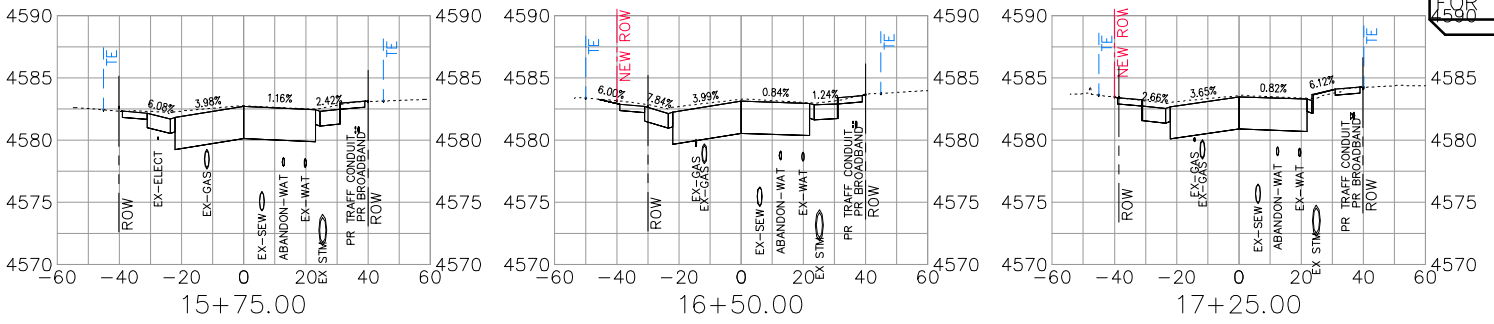
CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ALLEY PROFILE
CHIPETA-GUNNISON & BELFORD-NORTH

121

SEE STAKING PLANS FOR STAKING DATA



CONTRACTOR SHALL TAKE SPECIAL CARE SO AS NOT TO DAMAGE GAS LINES DURING ROADWAY CONSTRUCTION (TYPICAL ALL INSTANCES)

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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 2.5 5 10

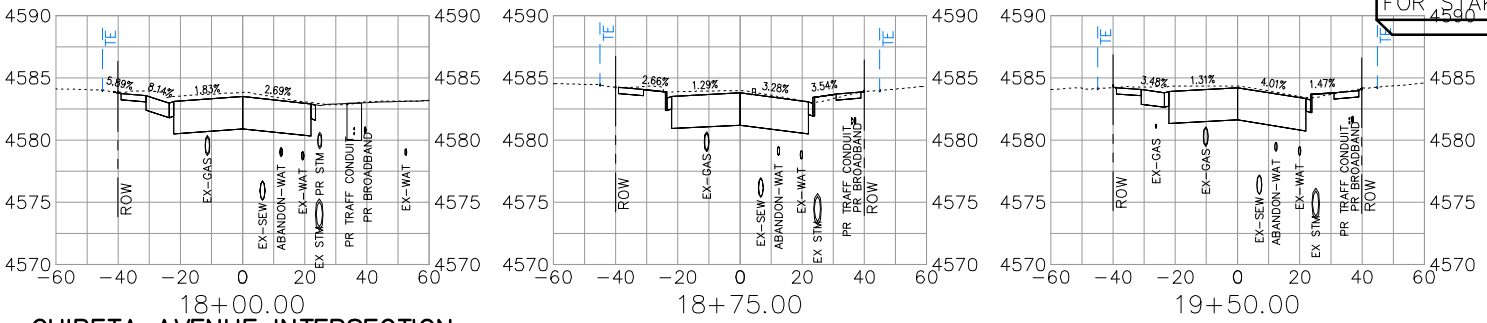
CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

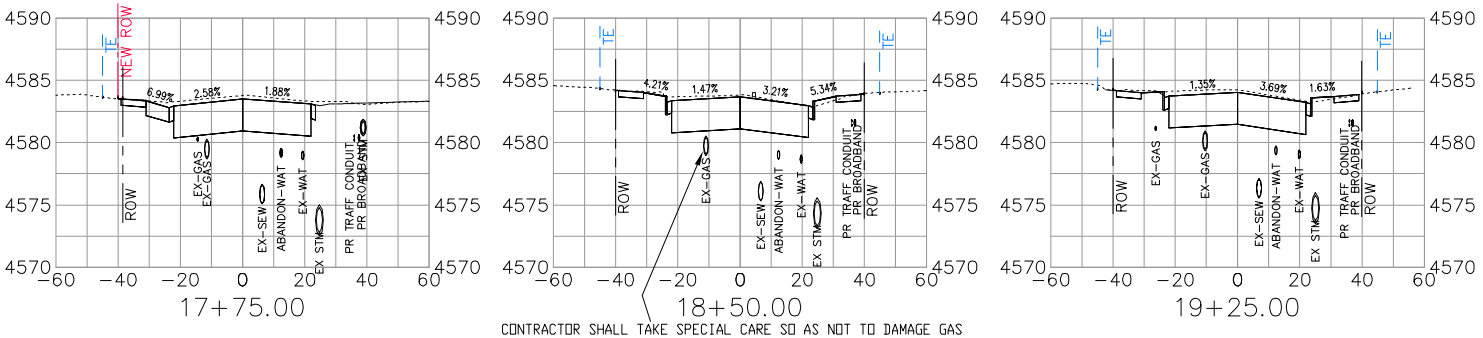
1ST STREET RECONSTRUCTION
ROADWAY CROSS SECTIONS
STA 15+25 TO STA 17+25

PROJECT NO. 201-F1501

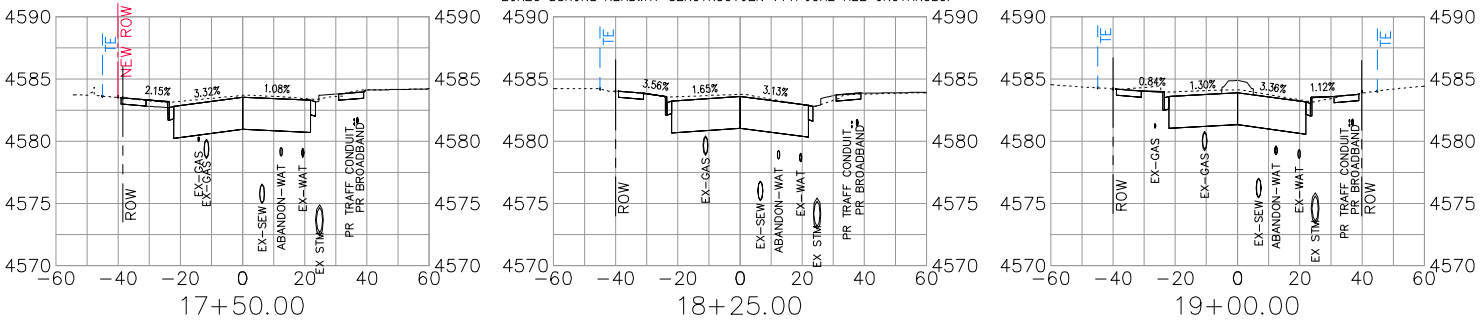
SEE STAKING PLANS FOR STAKING DATA



CHIPETA AVENUE INTERSECTION



CONTRACTOR SHALL TAKE SPECIAL CARE SO AS NOT TO DAMAGE GAS LINES DURING ROADWAY CONSTRUCTION (TYPICAL ALL INSTANCES)



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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE HORIZONTAL 0 10 20 40 VERTICAL 0 2.5 5 10

CITY OF Grand Junction COLORADO

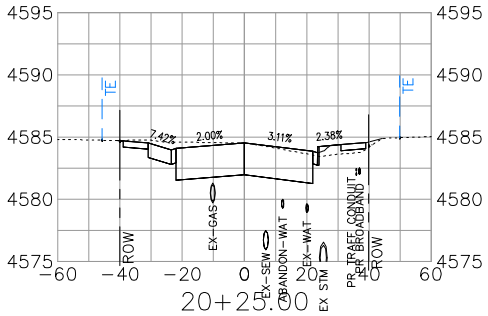
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

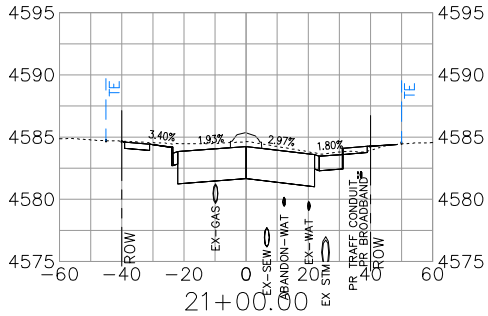
1ST STREET RECONSTRUCTION
ROADWAY CROSS SECTIONS
STA 17+50 TO STA 19+50

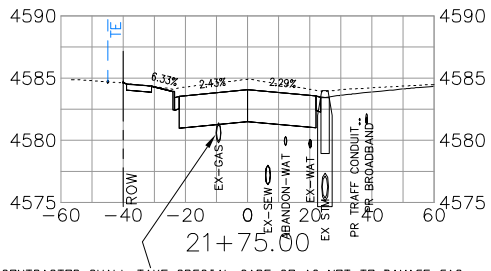
123

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA

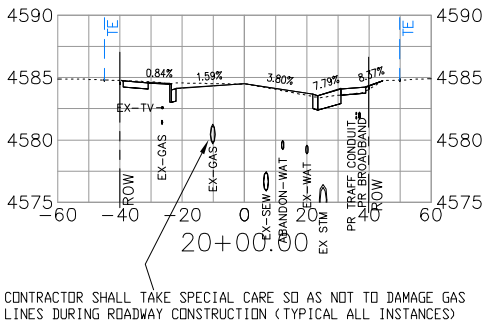


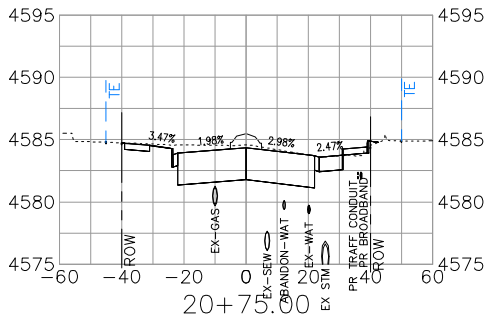


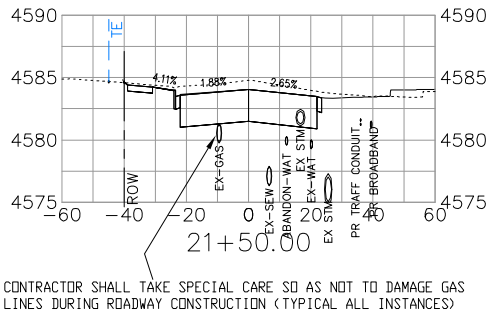


CONTRACTOR SHALL TAKE SPECIAL CARE SO AS NOT TO DAMAGE GAS LINES DURING ROADWAY CONSTRUCTION (TYPICAL ALL INSTANCES)

GUNNISON AVENUE INTERSECTION

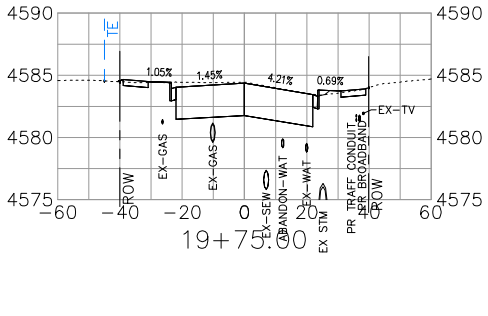


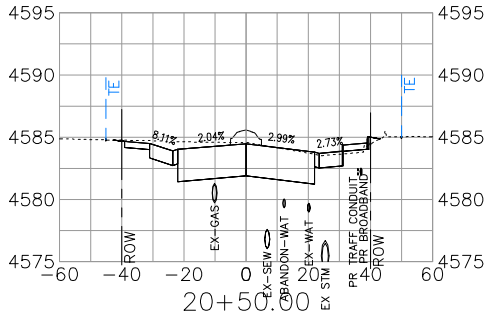


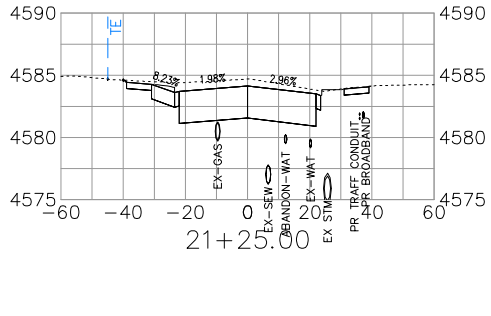


CONTRACTOR SHALL TAKE SPECIAL CARE SO AS NOT TO DAMAGE GAS LINES DURING ROADWAY CONSTRUCTION (TYPICAL ALL INSTANCES)

CONTRACTOR SHALL TAKE SPECIAL CARE SO AS NOT TO DAMAGE GAS LINES DURING ROADWAY CONSTRUCTION (TYPICAL ALL INSTANCES)







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DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE HORIZONTAL 0 10 20 40 VERTICAL 0 2.5 5 10

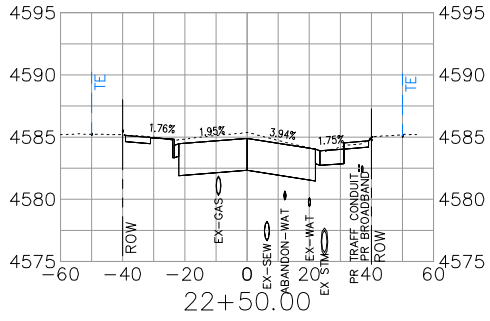
CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY CROSS SECTIONS
STA 19+75 TO STA 21+75

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



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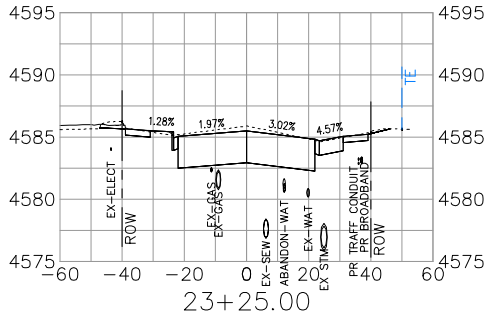

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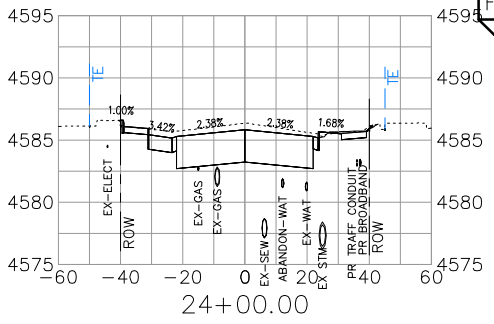
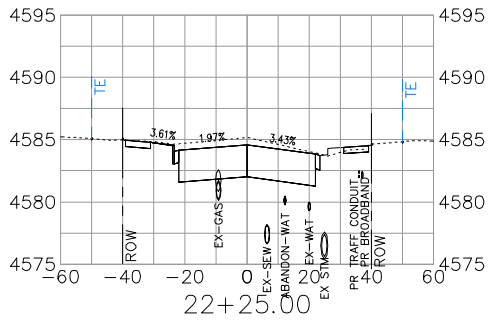
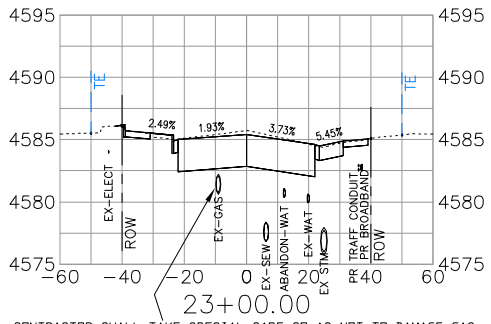


24+00.00

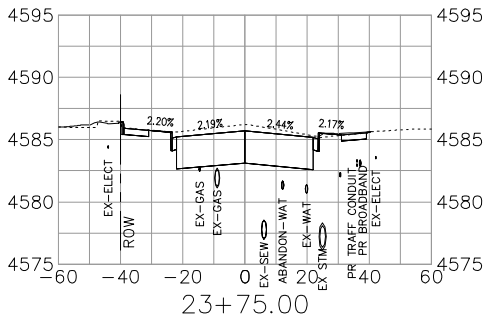


22+25.00



23+00.00

CONTRACTOR SHALL TAKE SPECIAL CARE SO AS NOT TO DAMAGE GAS LINES DURING ROADWAY CONSTRUCTION (TYPICAL ALL INSTANCES)



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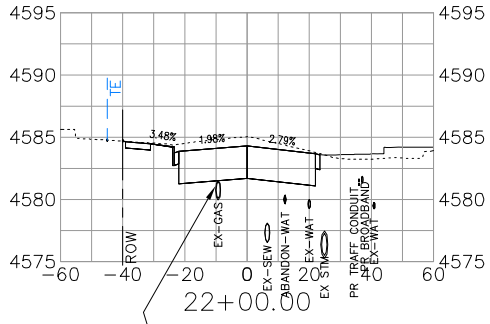
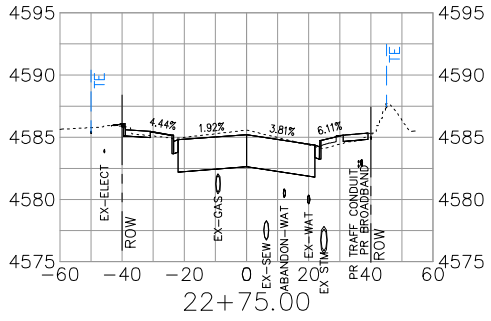


22+00.00

CONTRACTOR SHALL TAKE SPECIAL CARE SO AS NOT TO DAMAGE GAS LINES DURING ROADWAY CONSTRUCTION (TYPICAL ALL INSTANCES)



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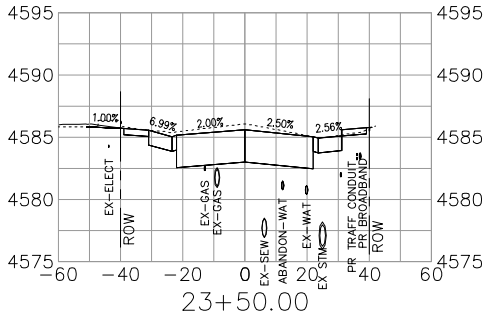

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DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 2.5 5 10

CITY OF Grand Junction COLORADO

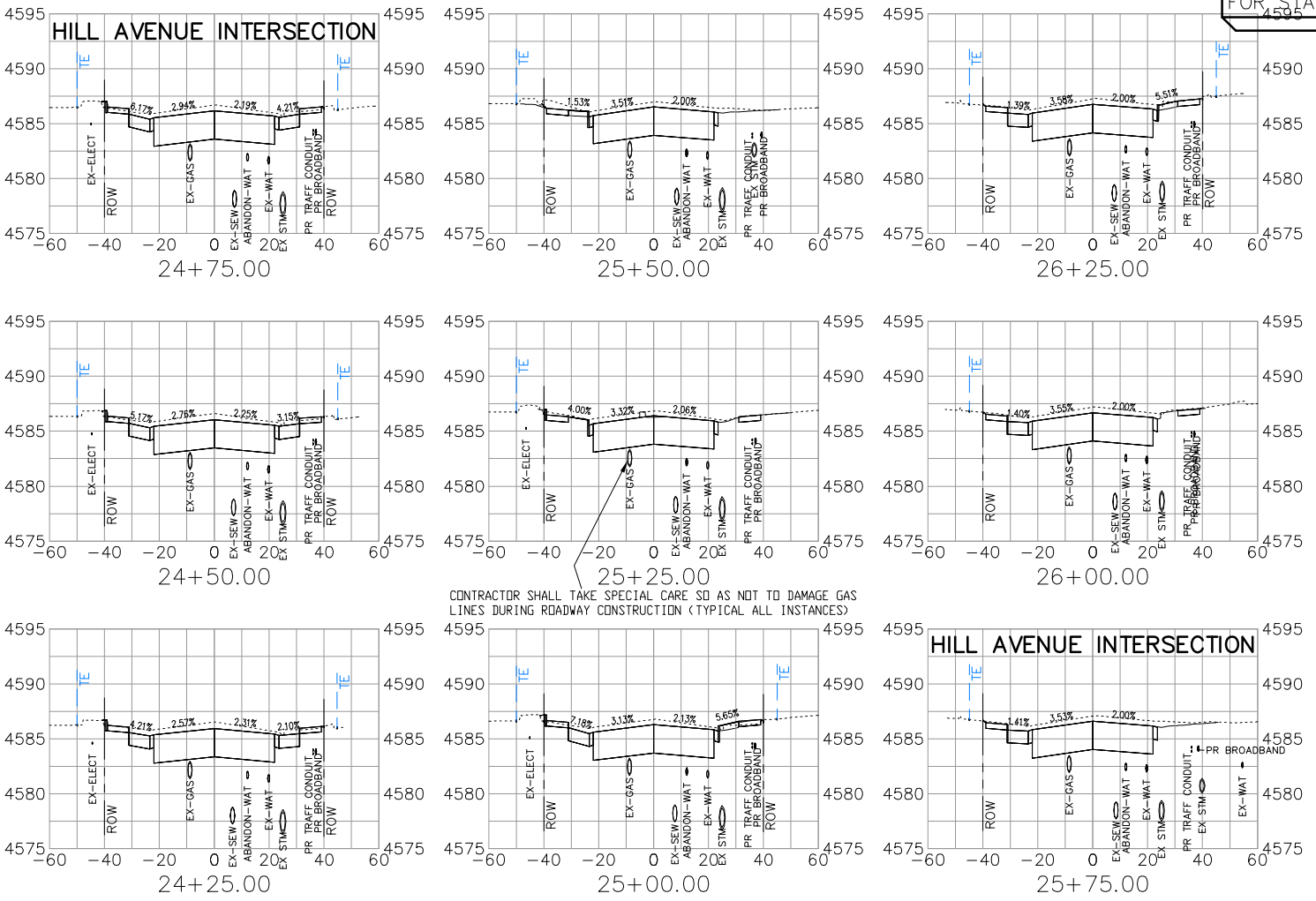
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY CROSS SECTIONS
STA 22+00 TO STA 24+00

125

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



CONTRACTOR SHALL TAKE SPECIAL CARE SO AS NOT TO DAMAGE GAS LINES DURING ROADWAY CONSTRUCTION (TYPICAL ALL INSTANCES)

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DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 2.5 5 10

CITY OF Grand Junction COLORADO

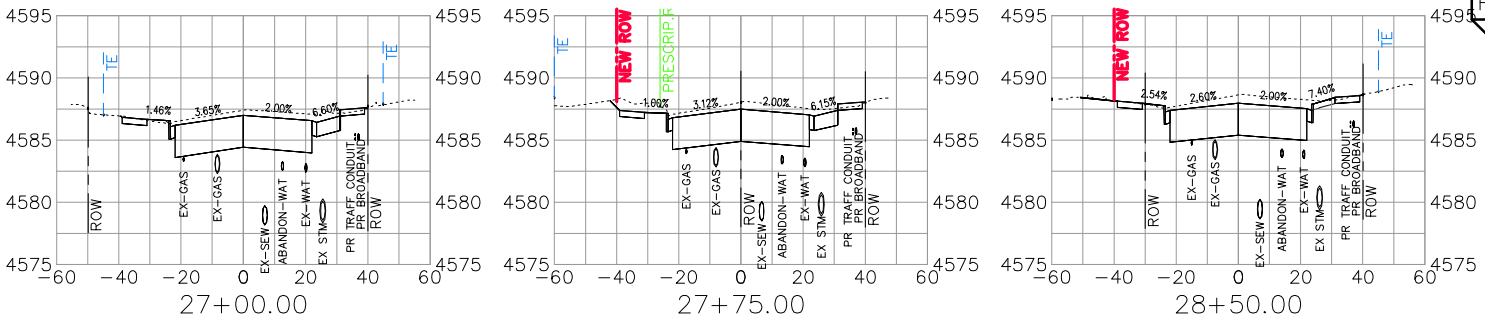
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

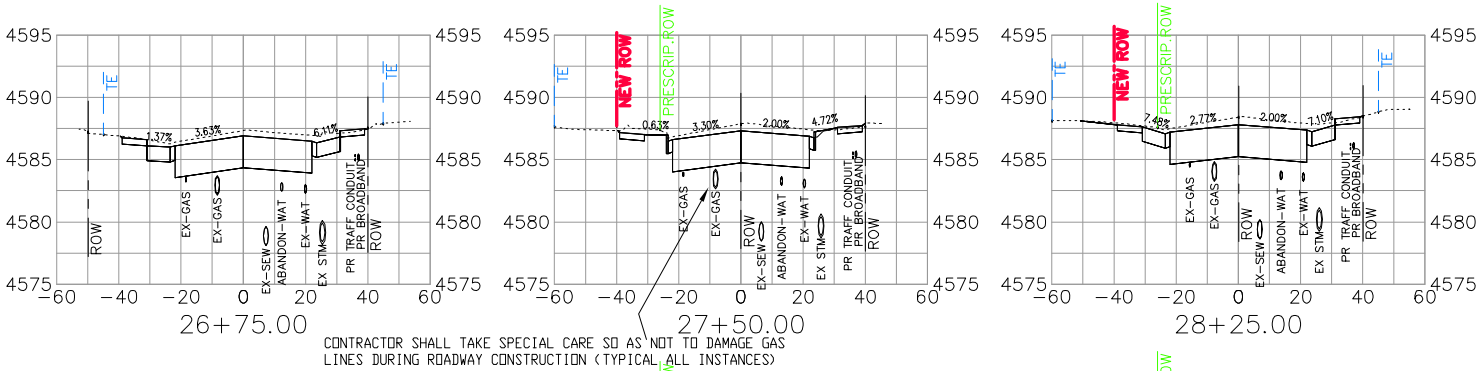
1ST STREET RECONSTRUCTION
ROADWAY CROSS SECTIONS
STA 24+25 TO STA 26+25

126

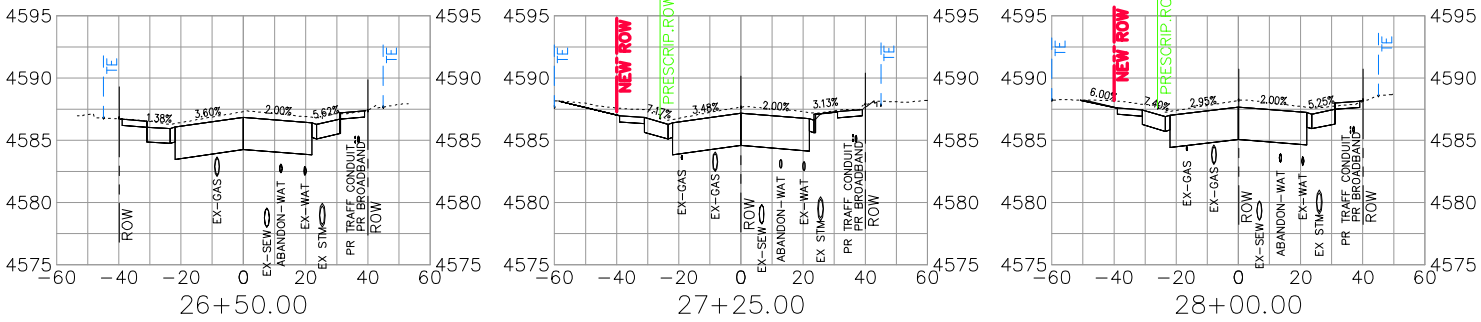
PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA





CONTRACTOR SHALL TAKE SPECIAL CARE SO AS NOT TO DAMAGE GAS LINES DURING ROADWAY CONSTRUCTION (TYPICAL ALL INSTANCES)



DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 2.5 5 10

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

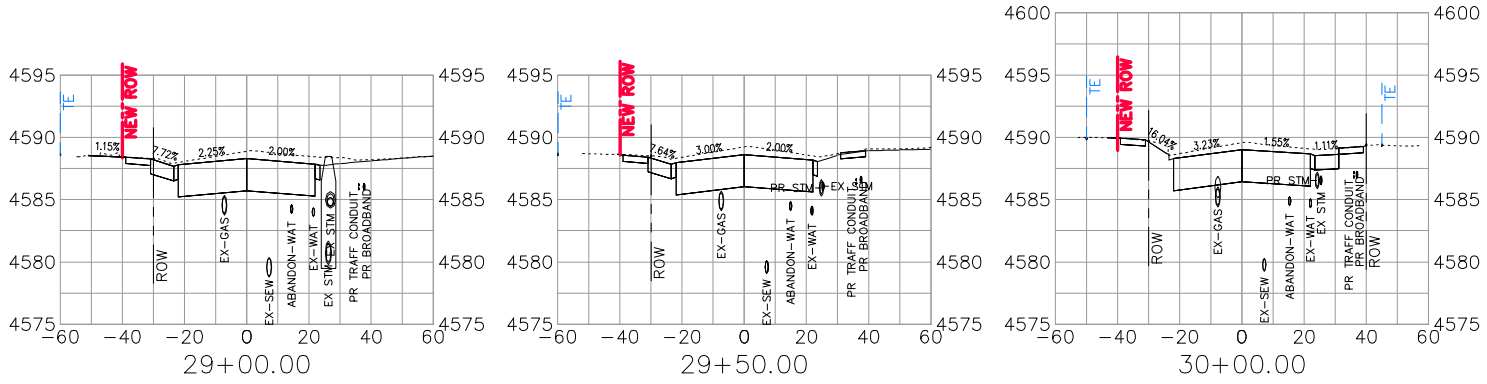
1ST STREET RECONSTRUCTION
ROADWAY CROSS SECTIONS
STA 26+50 TO STA 28+50

127

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\Section Views.dwg, 006, 12/15/2016 9:34:13 AM

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



TELLER AVENUE INTERSECTION

TELLER AVENUE INTERSECTION

CONTRACTOR SHALL TAKE SPECIAL CARE SO AS NOT TO DAMAGE GAS LINES DURING ROADWAY CONSTRUCTION (TYPICAL ALL INSTANCES)

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 2.5 5 10

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

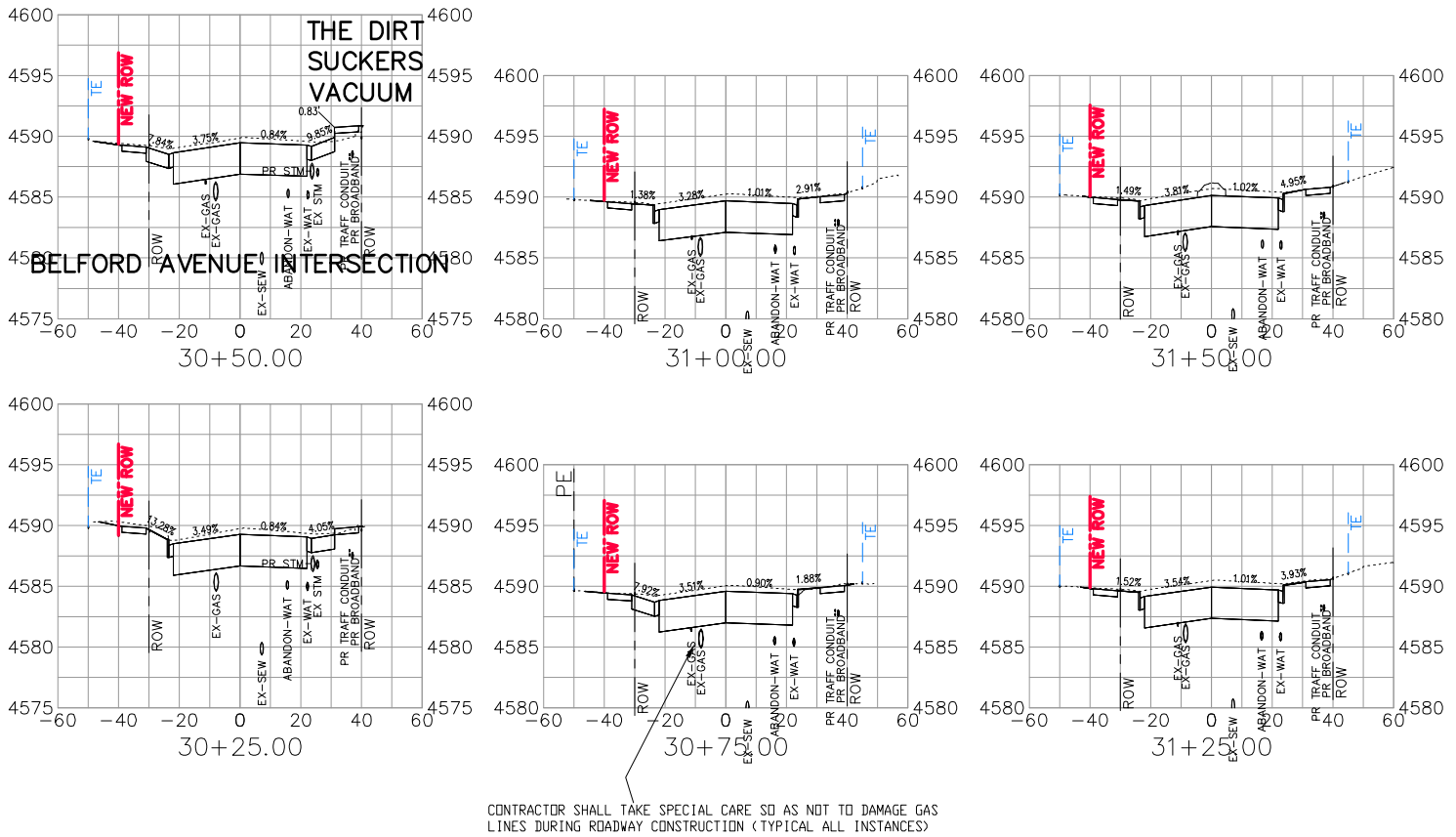
1ST STREET RECONSTRUCTION
ROADWAY CROSS SECTIONS
STA 28+75 TO STA 30+00

128

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\Section Views.dwg, 007, 12/16/2016 8:15:28 AM

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE HORIZONTAL 0 10 20 40 VERTICAL 0 2.5 5 10

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

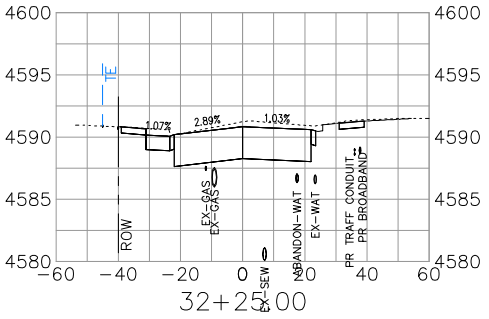
1ST STREET RECONSTRUCTION
ROADWAY CROSS SECTIONS
STA 30+25 TO STA 31+50

129

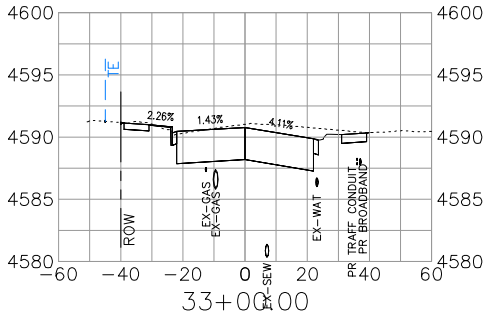
N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\Section Views.dwg, 008, 12/16/2016 8:17:19 AM

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



32+25.00



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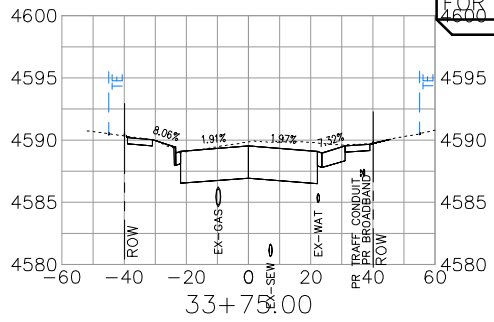

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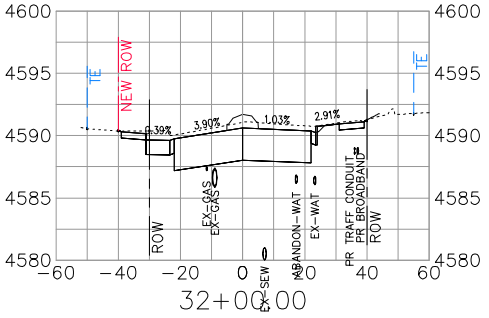
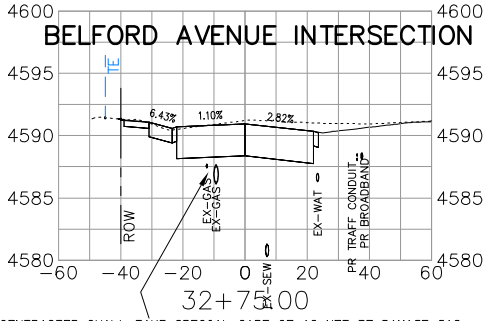


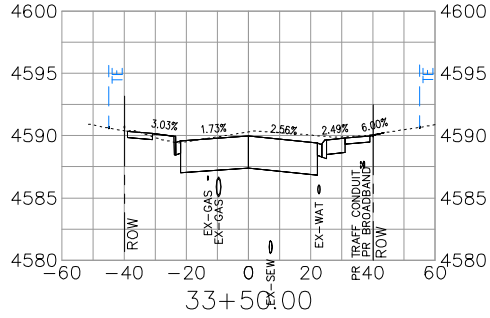
32+00.00

BELFORD AVENUE INTERSECTION

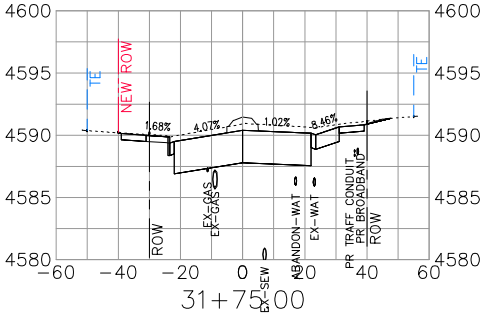


32+75.00

CONTRACTOR SHALL TAKE SPECIAL CARE SO AS NOT TO DAMAGE GAS LINES DURING ROADWAY CONSTRUCTION (TYPICAL ALL INSTANCES)

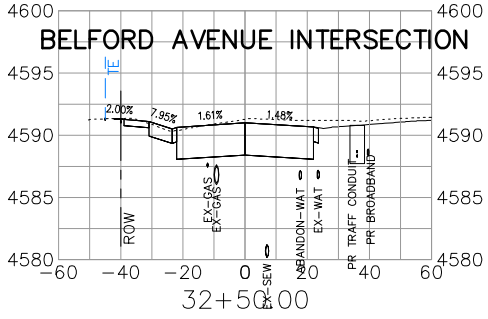


33+50.00



31+75.00

BELFORD AVENUE INTERSECTION



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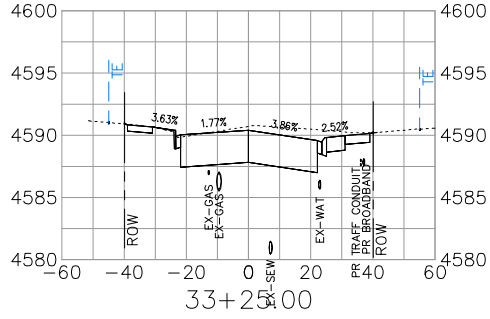


33+25.00

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\Section Views.dwg, 8/31/2016 9:33:44 AM

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY	JCS	DATE	2016
DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 2.5 5 10

CITY OF Grand Junction COLORADO

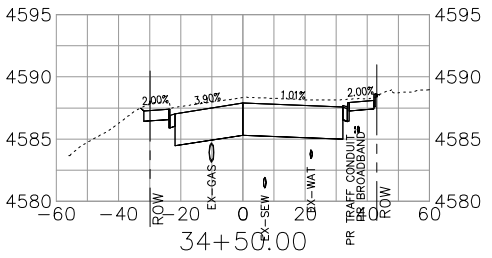
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY CROSS SECTIONS
STA 31+75 TO STA 33+75

130

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



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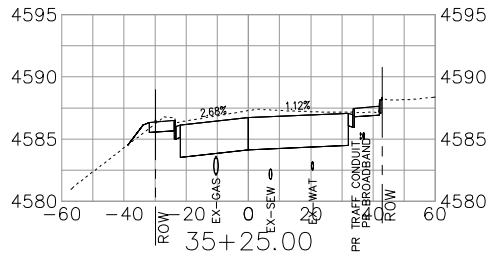

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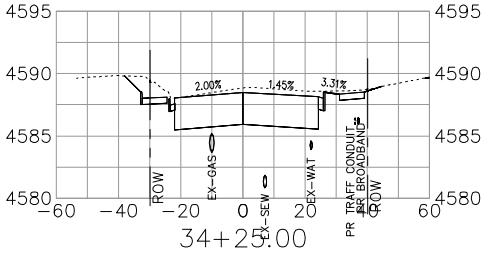
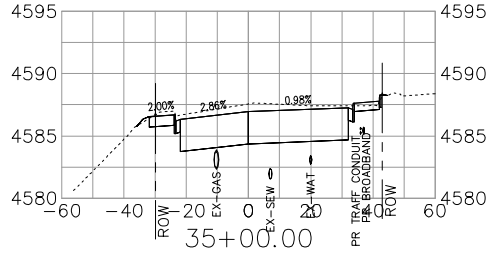


34+25.00



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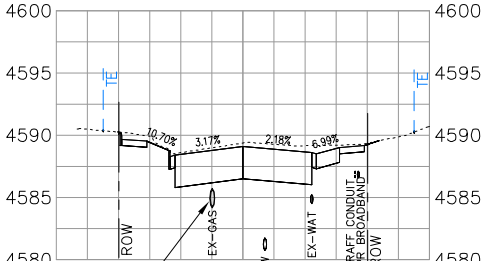
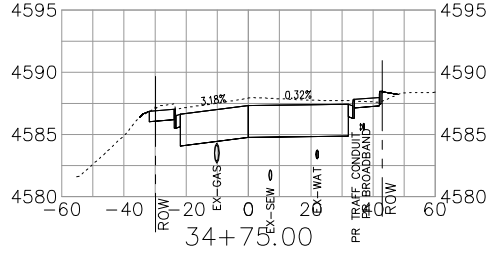


34+00.00

CONTRACTOR SHALL TAKE SPECIAL CARE SO AS NOT TO DAMAGE GAS LINES DURING ROADWAY CONSTRUCTION (TYPICAL ALL INSTANCES)



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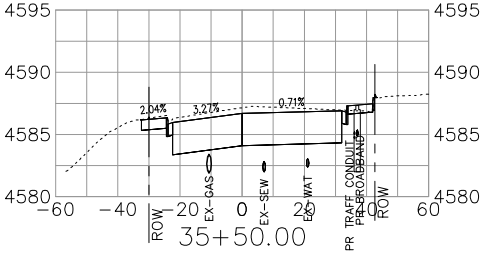

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DESCRIPTION	DATE
REVISION 1 XXX	- 201X
REVISION 2 XXX	- 201X
REVISION 3 XXX	- 201X
REVISION 4 XXX	- 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 2.5 5 10

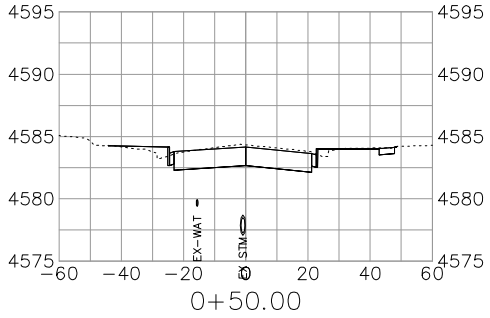
CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

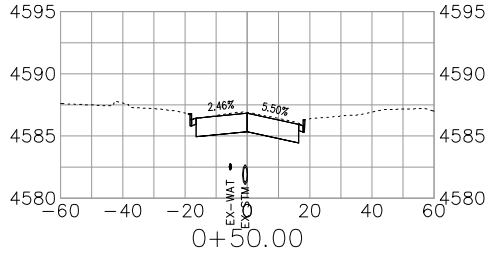
1ST STREET RECONSTRUCTION
ROADWAY CROSS SECTIONS
STA 34+00 TO STA 35+50

PROJECT NO. 201-F1501

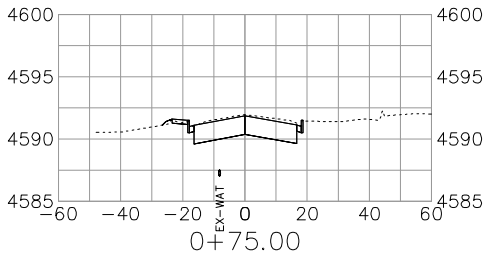
SEE STAKING PLANS FOR STAKING DATA

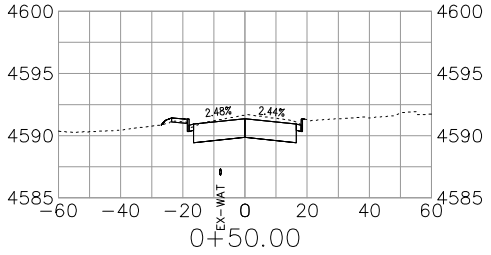


GUNNISON AVENUE

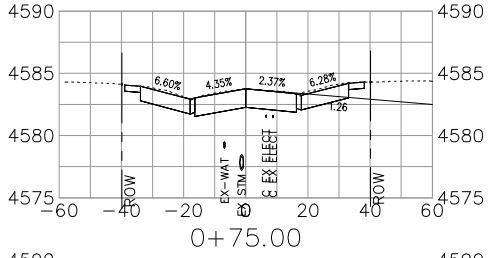


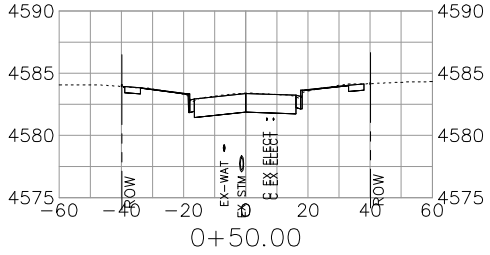
HILL AVENUE



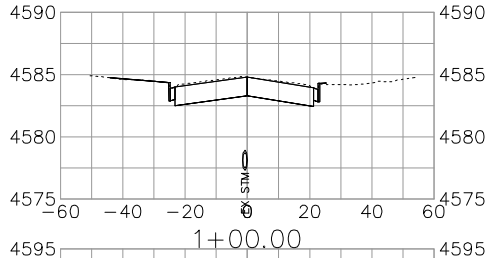


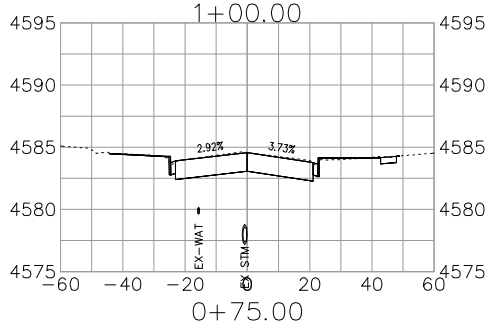
BELFORD AVENUE

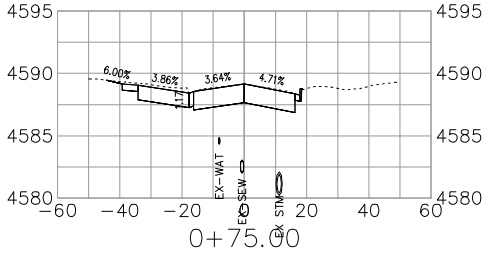


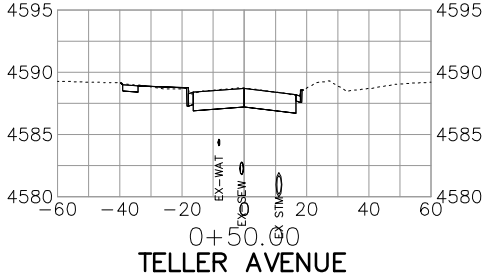


CHIPETA AVENUE









TELLER AVENUE

DESCRIPTION	DATE
REVISION 1 XXX	- 201X
REVISION 2 XXX	- 201X
REVISION 3 XXX	- 201X
REVISION 4 XXX	- 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 2.5 5 10

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

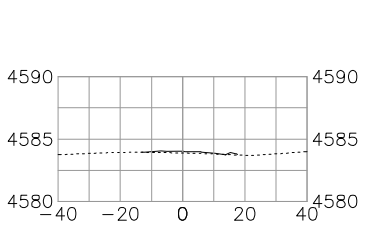
1ST STREET RECONSTRUCTION
ROADWAY CROSS SECTIONS-CHIPETA,
GUNNISON, HILL, TELLER, & BELFORD

132

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\Section Views.dwg, 010, 11/3/2016 9:08:44 AM

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



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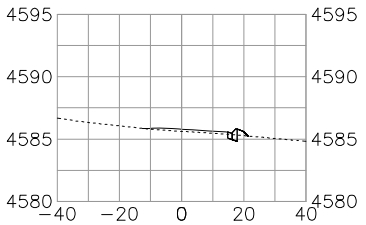

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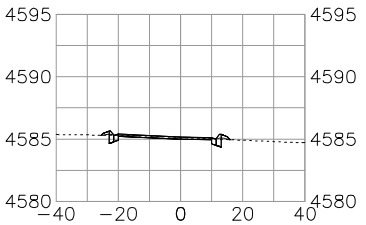

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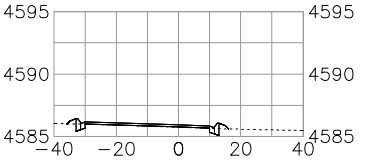

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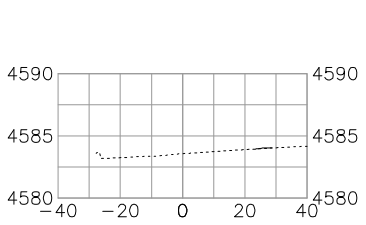

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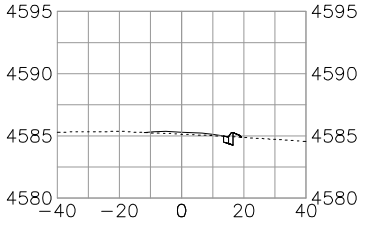

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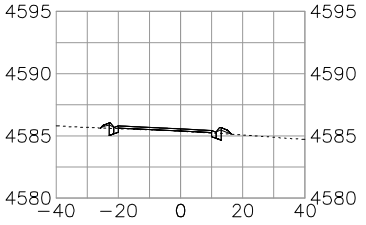

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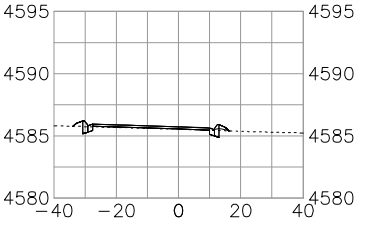

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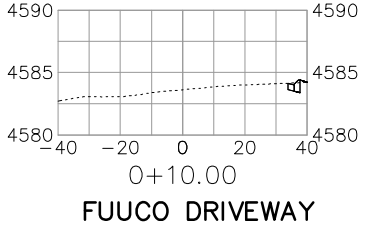

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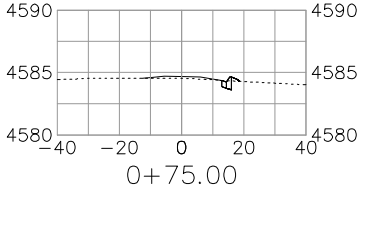
FUUCO DRIVEWAY



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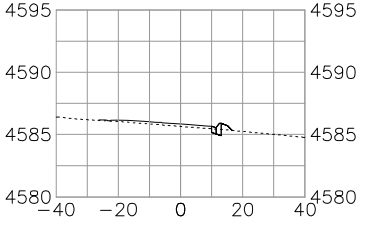

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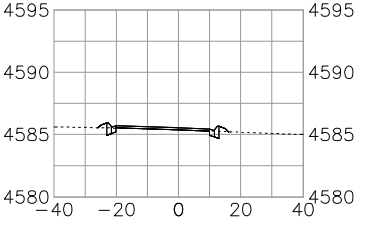


2+25.00

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 2.5 5 10

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

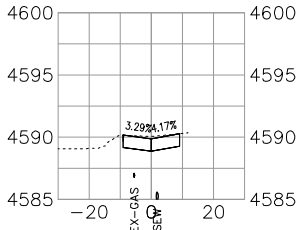
1ST STREET RECONSTRUCTION
ROADWAY CROSS SECTIONS
FUUCO DRIVEWAY

133

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\Section Views.dwg, 011, 11/3/2016 9:14:15 AM

PROJECT NO. 201-F1501

SEE STAKING PLANS FOR STAKING DATA



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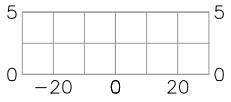

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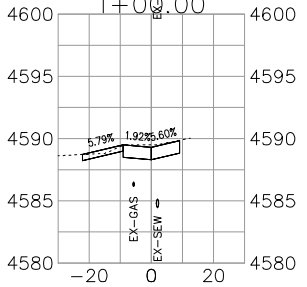

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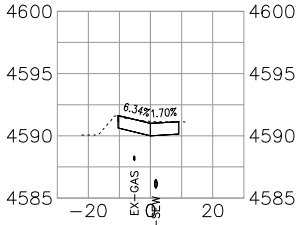

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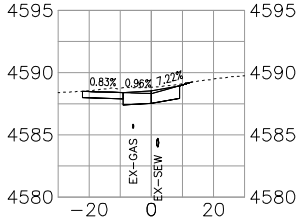

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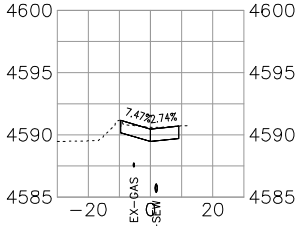

1+25.00

BELFORD/NORTH ALLEY

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 2.5 5 10

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
ROADWAY CROSS SECTIONS
BELFORD/NORTH ALLEY

134

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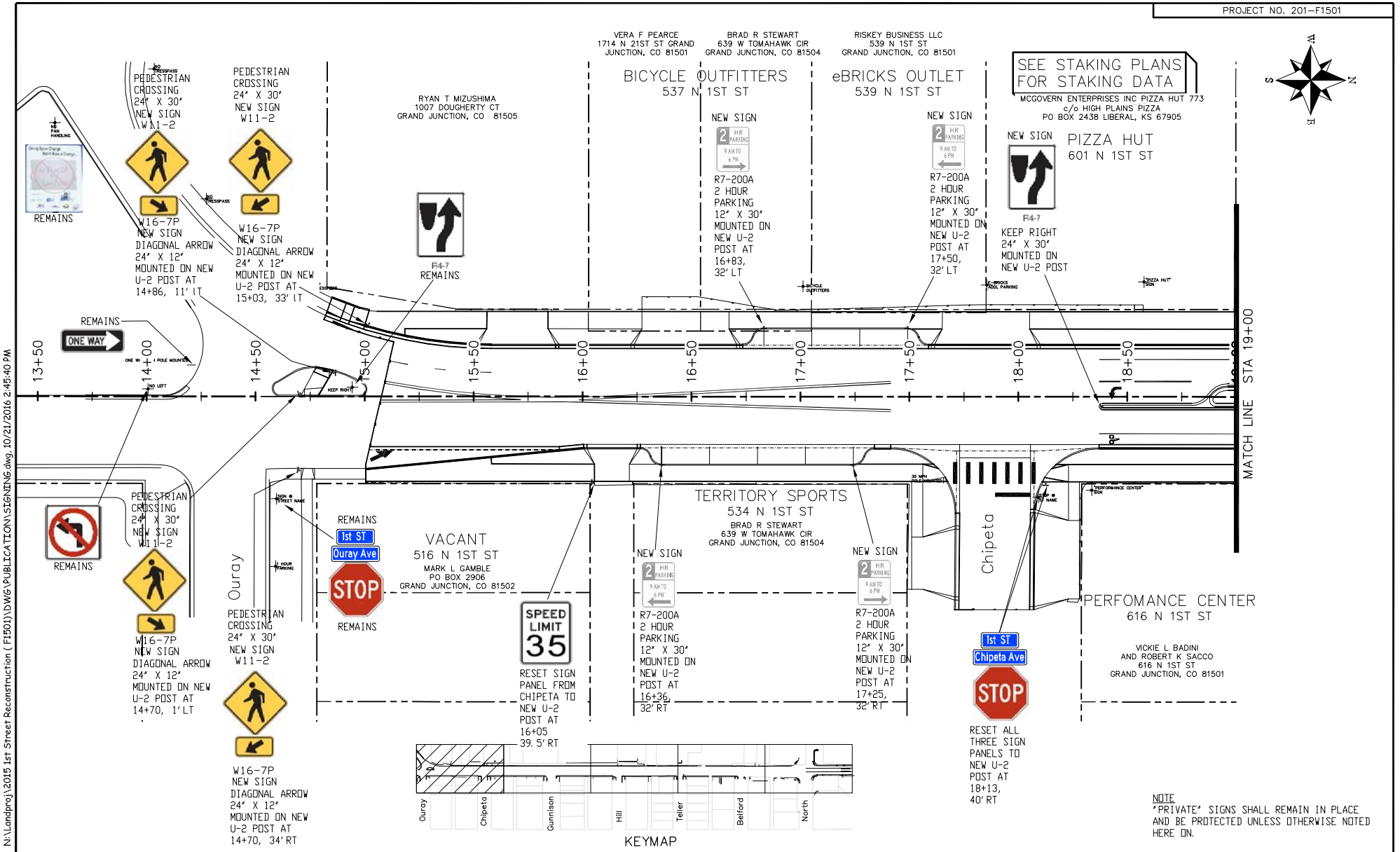
PROJECT NO. 201-F1501



NOTE
'PRIVATE' SIGNS SHALL REMAIN IN PLACE AND BE PROTECTED UNLESS OTHERWISE NOTED HERE ON.

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DESCRIPTION	DATE
REVISION XXX	201X
REVISION XXX	201X
REVISION XXX	201X
REVISION XXX	201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE HORIZONTAL 0 10 20 40 VERTICAL 0 NA NA NA

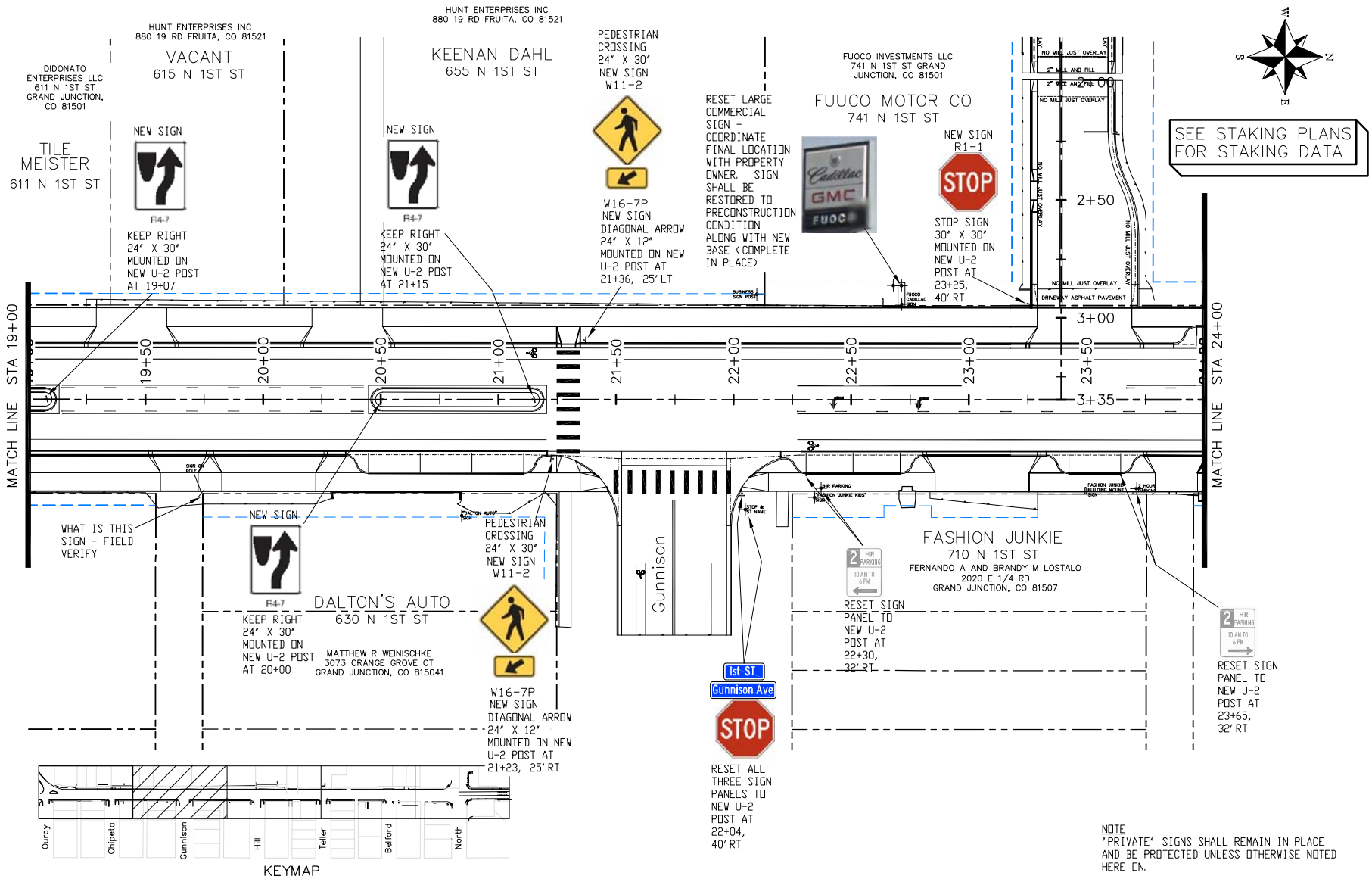
CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
SIGNING PLAN
STA 14+00 TO STA 19+00

135

PROJECT NO. 201-F1501



NOTE
'PRIVATE' SIGNS SHALL REMAIN IN PLACE AND BE PROTECTED UNLESS OTHERWISE NOTED HERE ON.

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY	JCS	DATE	2016
DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
SIGNING PLAN
STA 19+00 TO STA 24+00

136

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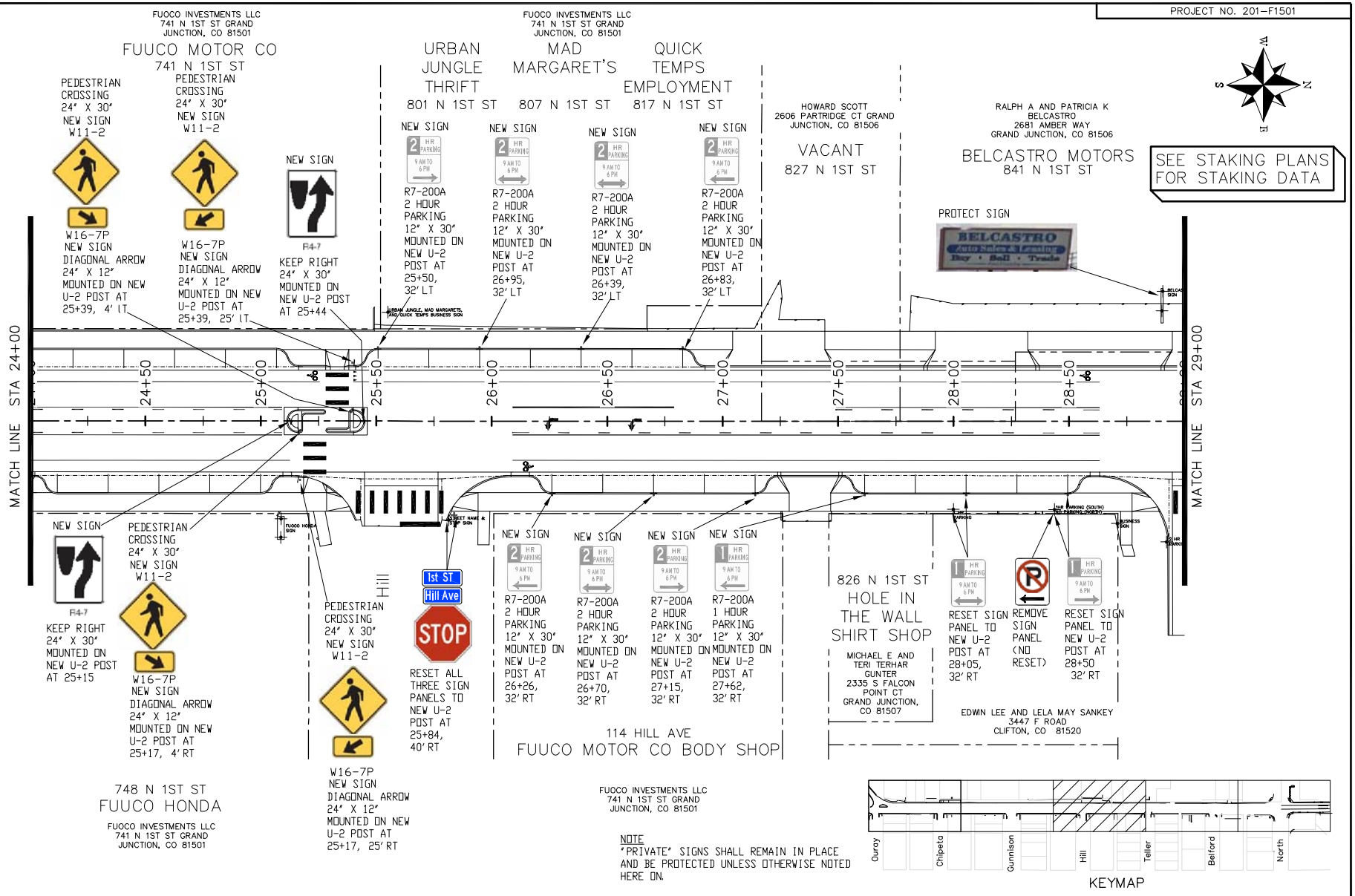
PROJECT NO. 201-F1501



NOTE
"PRIVATE" SIGNS SHALL REMAIN IN PLACE AND BE PROTECTED UNLESS OTHERWISE NOTED HERE ON.

KEYMAP

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
SIGNING PLAN
STA 24+00 TO STA 29+00

137

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\SIGNING.dwg, (3), 12/15/2016 9:36:33 AM

PROJECT NO. 201-F1501

RALPH A AND PATRICIA K
BELCASTRO
2681 AMBER WAY
GRAND JUNCTION, CO 81506

BELCASTRO MOTORS
841 N 1ST ST

PEDESTRIAN CROSSING
24" X 30"
NEW SIGN
W11-2

W16-7P
NEW SIGN
DIAGONAL ARROW
24" X 12"
MOUNTED ON NEW
U-2 POST AT
29+57, 25' LT

PROTECT SIGN

LARRY J BADINI
2215 PIAZZA WAY
GRAND JUNCTION, CO 81506

VACANT
901 N 1ST ST

RESET LARGE COMMERCIAL SIGN - COORDINATE FINAL LOCATION WITH PROPERTY OWNER. SIGN SHALL BE RESTORED TO PRECONSTRUCTION CONDITION ALONG WITH NEW BASE (COMPLETE IN PLACE)

LARRY J BADINI
2215 PIAZZA WAY
GRAND JUNCTION, CO 81506

VACANT
901 N 1ST ST

BERTRAND & COMPANY
798 25 RD GRAND JUNCTION, CO 81505

BERTRAND & COMPANY
798 25 RD GRAND JUNCTION, CO 81505

BERTRAND & COMPANY
798 25 RD GRAND JUNCTION, CO 81505

INTER MOUNTAIN AUTO SALES
935 N 1ST ST

NEW SIGN
R4-7
KEEP RIGHT
24" X 30"
MOUNTED ON
NEW U-2 POST
AT 32+23

RESET LARGE COMMERCIAL SIGN - COORDINATE FINAL LOCATION WITH PROPERTY OWNER. SIGN SHALL BE RESTORED TO PRECONSTRUCTION CONDITION ALONG WITH NEW BASE (COMPLETE IN PLACE)

SEE STAKING PLANS FOR STAKING DATA

MATCH LINE STA 29+00

MATCH LINE STA 34+00

29+50 30+00 30+50 31+00 31+50 32+00 32+50 33+00 33+50

Teller

Belford

908 & 910 N 1ST ST
STAR AUTO & THE DIRT SUCKERS

BILL AND LINDA CLEVENGER
532 GRAND VALLEY DR
GRAND JUNCTION, CO 81504

NEW SIGN
R4-7
KEEP RIGHT
24" X 30"
MOUNTED ON
NEW U-2 POST
AT 31+50

922 N 1ST ST
ANDY'S LIQUORS

STONEHIL LLC
410 SADDLE CT
GRAND JUNCTION, CO 81507

1st ST
Belford Ave
STOP

RESET ALL THREE SIGN PANELS TO NEW U-2 POST AT 32+82, 45' RT

1018 N 1ST ST
PRO TIRE & ALIGNMENT

TOM E ELDER FAMILY
TESTAMENTARY TRUST
c/o H J KENDRICK
2230 CORTINA CT
GRAND JUNCTION, CO 81506

PEDESTRIAN CROSSING
24" X 30"
NEW SIGN
W11-2

NEW SIGN
2 HR PARKING
9 AM TO 6 PM
R7-200A
2 HOUR PARKING
12" X 30"
MOUNTED ON
NEW U-2
POST AT
29+75,
32' RT

NEW SIGN
2 HR PARKING
9 AM TO 6 PM
R7-200A
2 HOUR PARKING
12" X 30"
MOUNTED ON
NEW U-2
POST AT
30+20,
32' RT

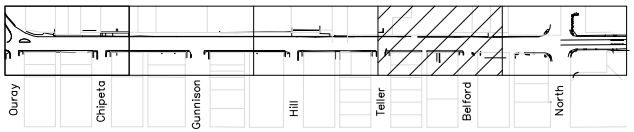
NEW SIGN
2 HR PARKING
9 AM TO 6 PM
R7-200A
2 HOUR PARKING
12" X 30"
MOUNTED ON
NEW U-2
POST AT
30+64,
32' RT

1st ST
Teller Ave
STOP

RESET ALL THREE SIGN PANELS TO NEW U-2 POST AT 29+35, 40' RT

W16-7P
NEW SIGN
DIAGONAL ARROW
24" X 12"
MOUNTED ON NEW
U-2 POST AT
29+45, 29' RT

NOTE
"PRIVATE" SIGNS SHALL REMAIN IN PLACE AND BE PROTECTED UNLESS OTHERWISE NOTED HERE ON.



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

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
SIGNING PLAN
STA 29+00 TO STA 34+00

138

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\SIGNING.dwg, (4), 12/16/2016 8:25:13 AM

PROJECT NO. 201-F1501

RESET COMPLETE SIGN TO NEW LOCATION 35+00, 36' LT WORK TO BE COMPLETED BY CITY PARK CREWS

LILAC PARK

SEE STAKING PLANS FOR STAKING DATA

MATCH LINE STA 34+00

34+50

35+00

35+50

36+00

36+50

37+00

37+50

38+00

38+50

MATCH LINE STA 39+00

RIGHT LANE MUST TURN RIGHT

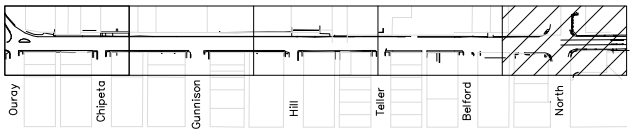
RESET SIGN PANEL TO NEW U-2 POST AT 34+18, 25' RT

101 NORTH AVE
MIDAS

TJO II CAPITAL LLC
c/o BOULDER MUFFLER INC
3000 WALNUT ST
BOULDER, CO 80301

North

NOTE
'PRIVATE' SIGNS SHALL REMAIN IN PLACE AND BE PROTECTED UNLESS OTHERWISE NOTED HERE ON.



KEYMAP

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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
SIGNING PLAN
STA 34+00 TO STA 39+00

139

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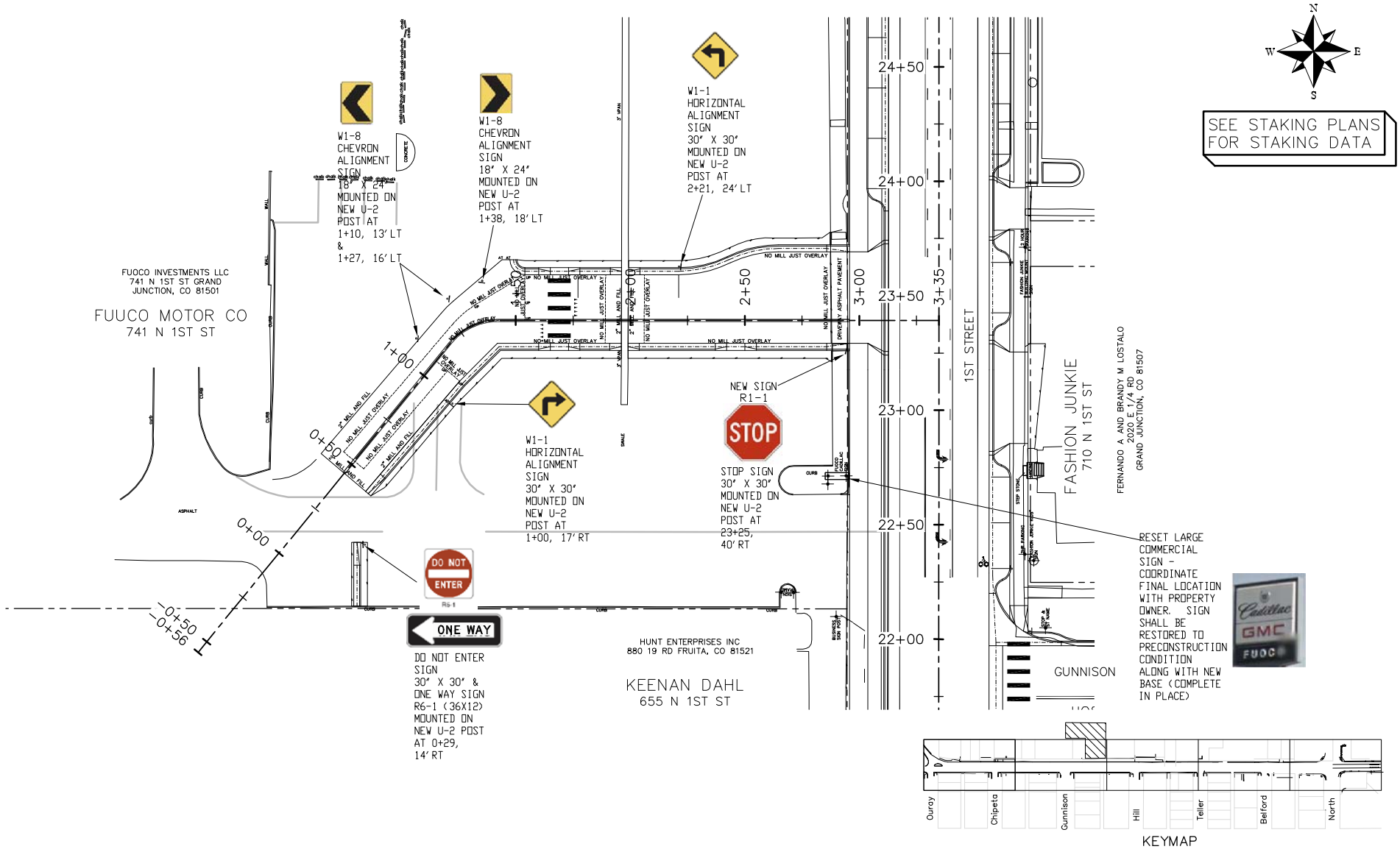
PROJECT NO. 201-F1501



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DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
SIGNING PLAN
FUOCO CADILLAC

140

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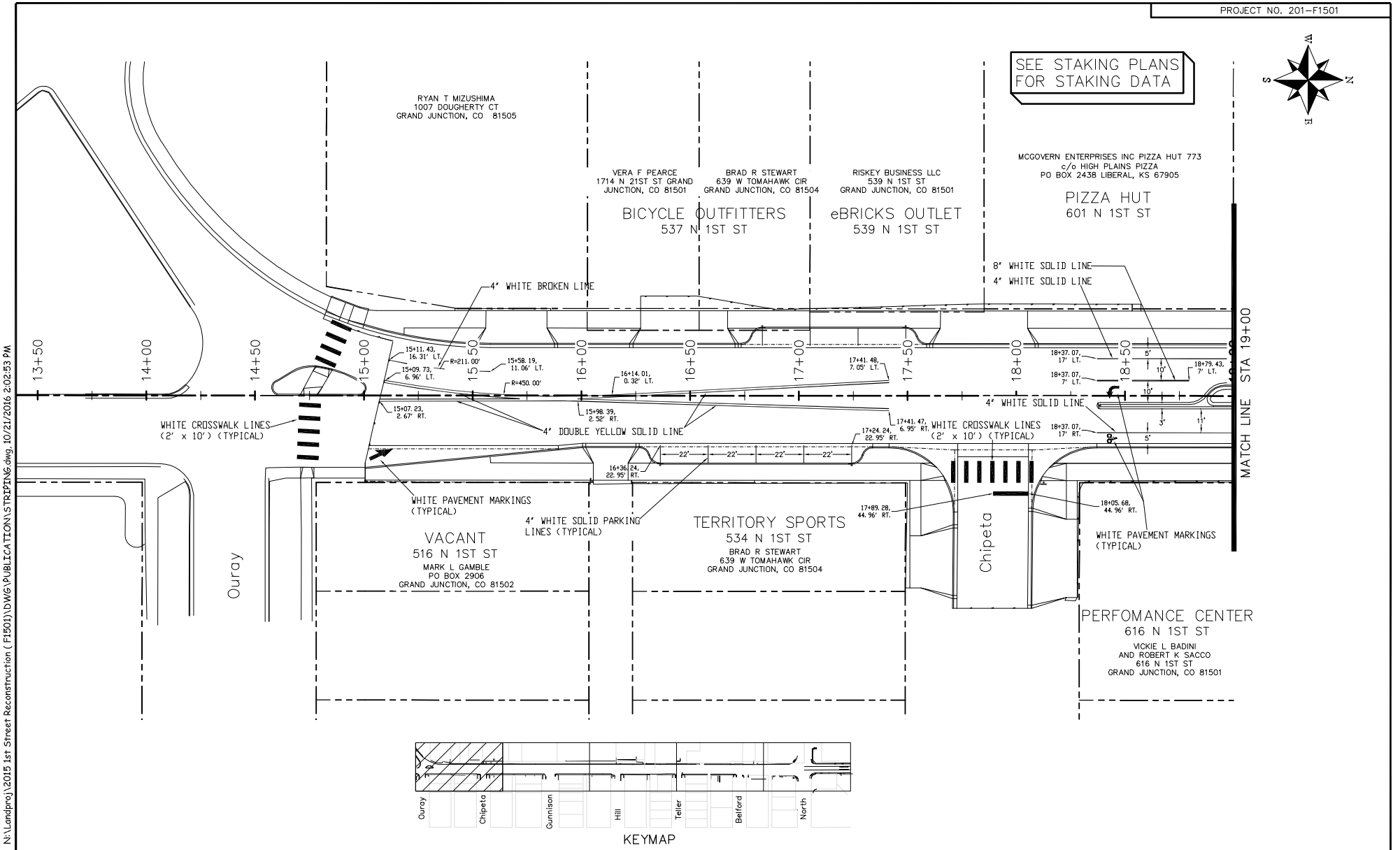
PROJECT NO. 201-F1501



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REVISION 3 XXX	– 201X
REVISION 4 XXX	– 201X

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DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 NA NA

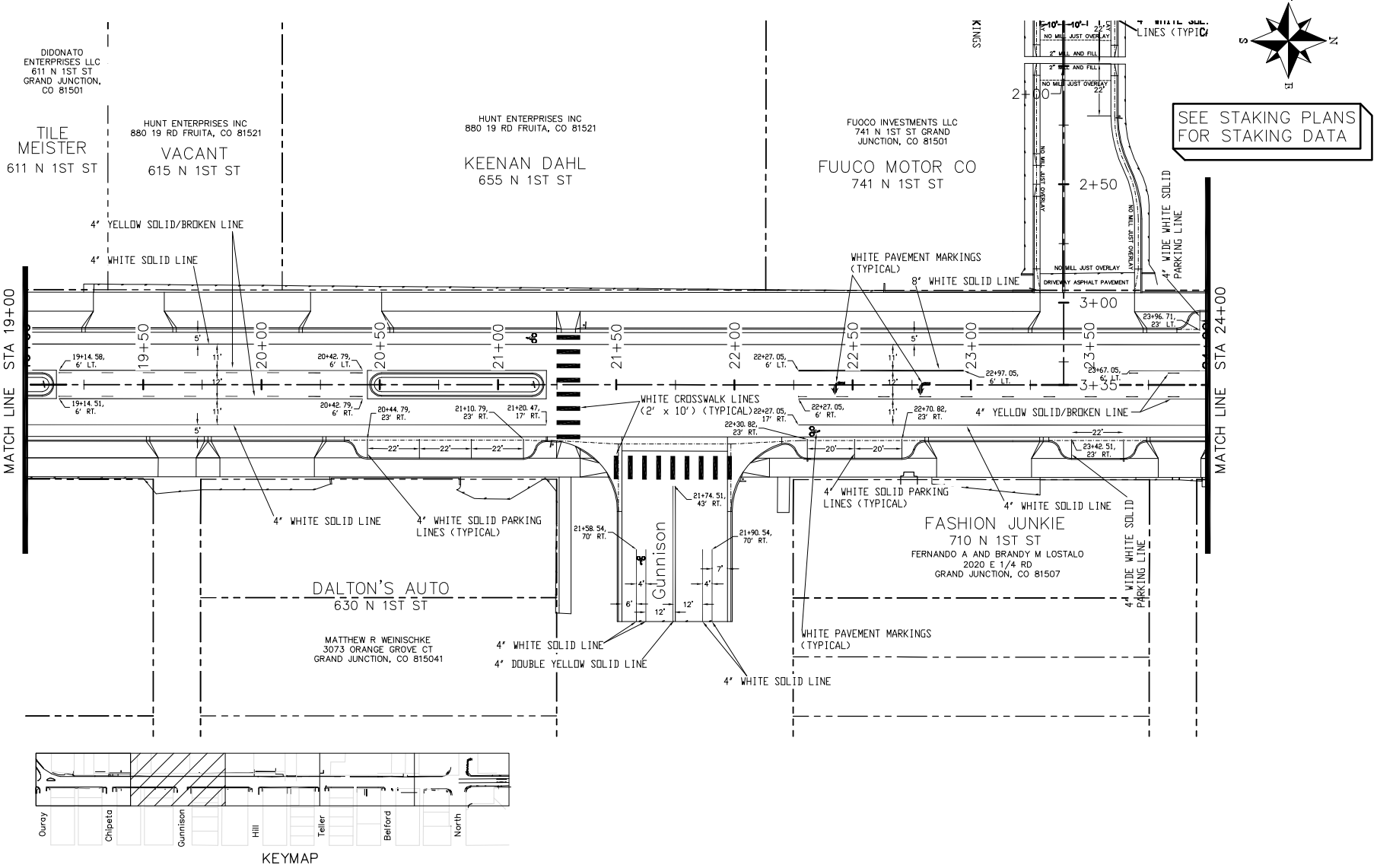
CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STRIPING PLAN
STA 14+00 TO STA 19+00

141

PROJECT NO. 201-F1501



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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STRIPING PLAN
STA 19+00 TO STA 24+00

142

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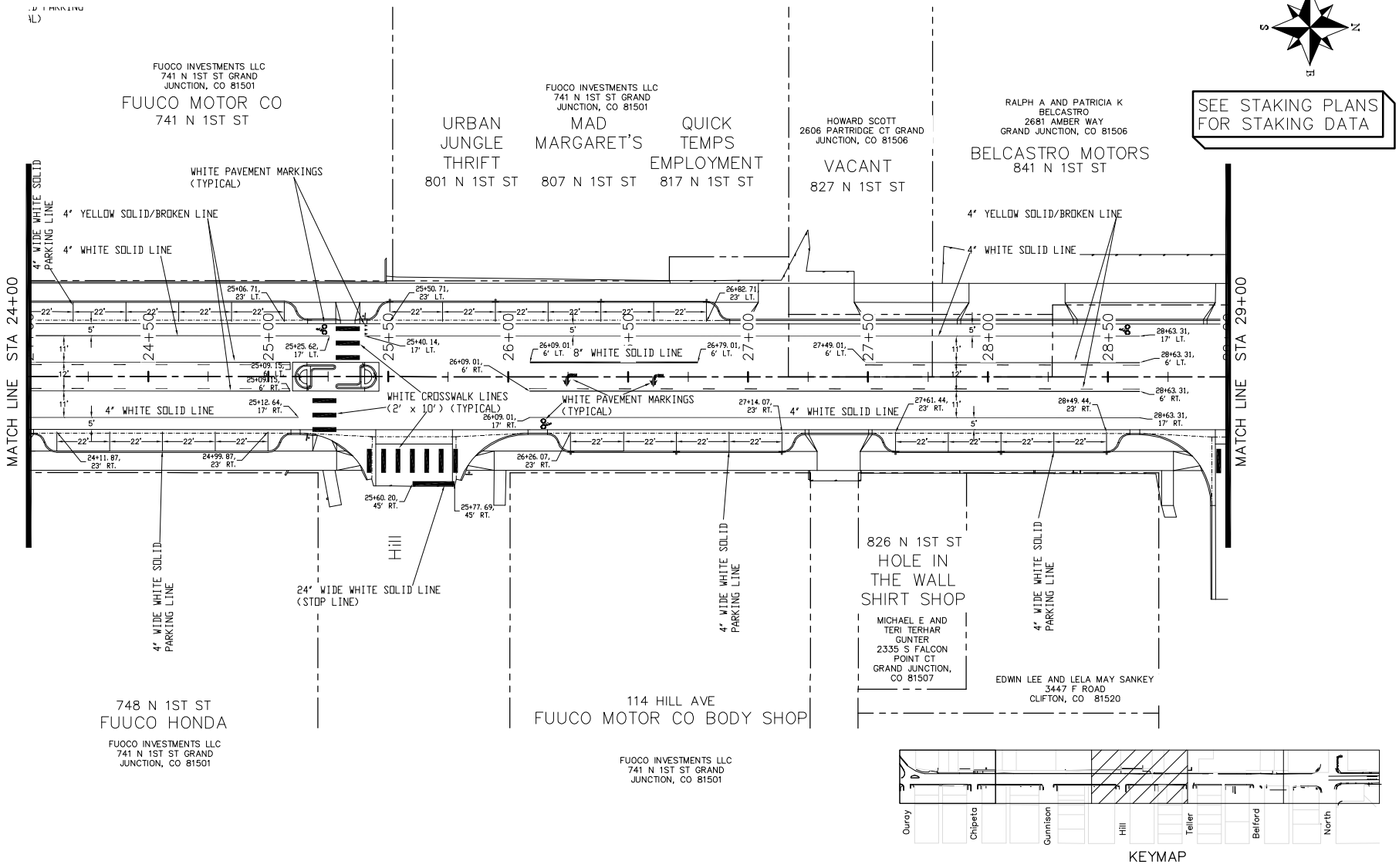
PROJECT NO. 201-F1501



KEYMAP

DESCRIPTION	DATE
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REVISION 2 XXX	– 201X
REVISION 3 XXX	– 201X
REVISION 4 XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STRIPING PLAN
STA 24+00 TO STA 29+00

143

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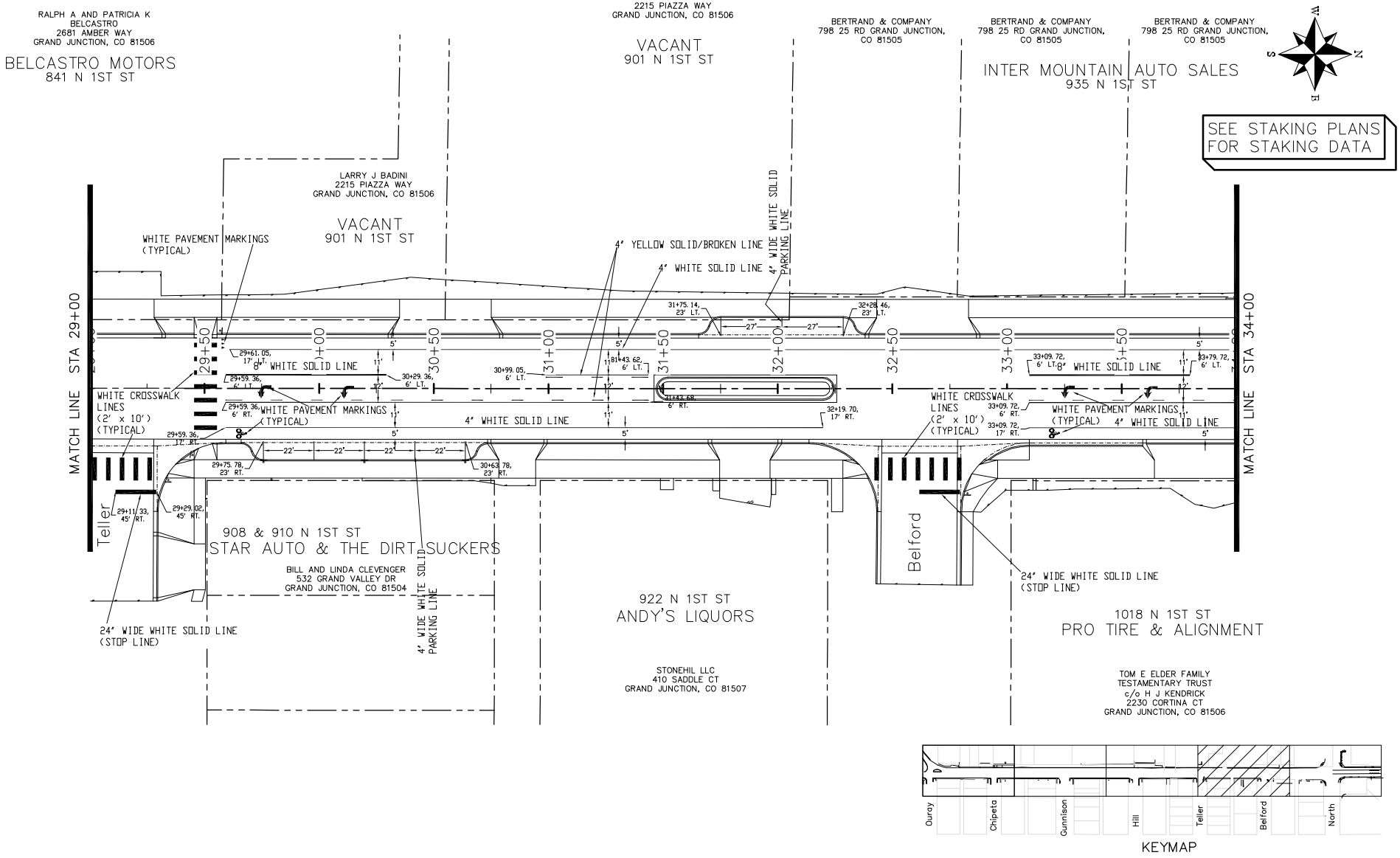
PROJECT NO. 201-F1501



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REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STRIPING PLAN
STA 29+00 TO STA 34+00

144

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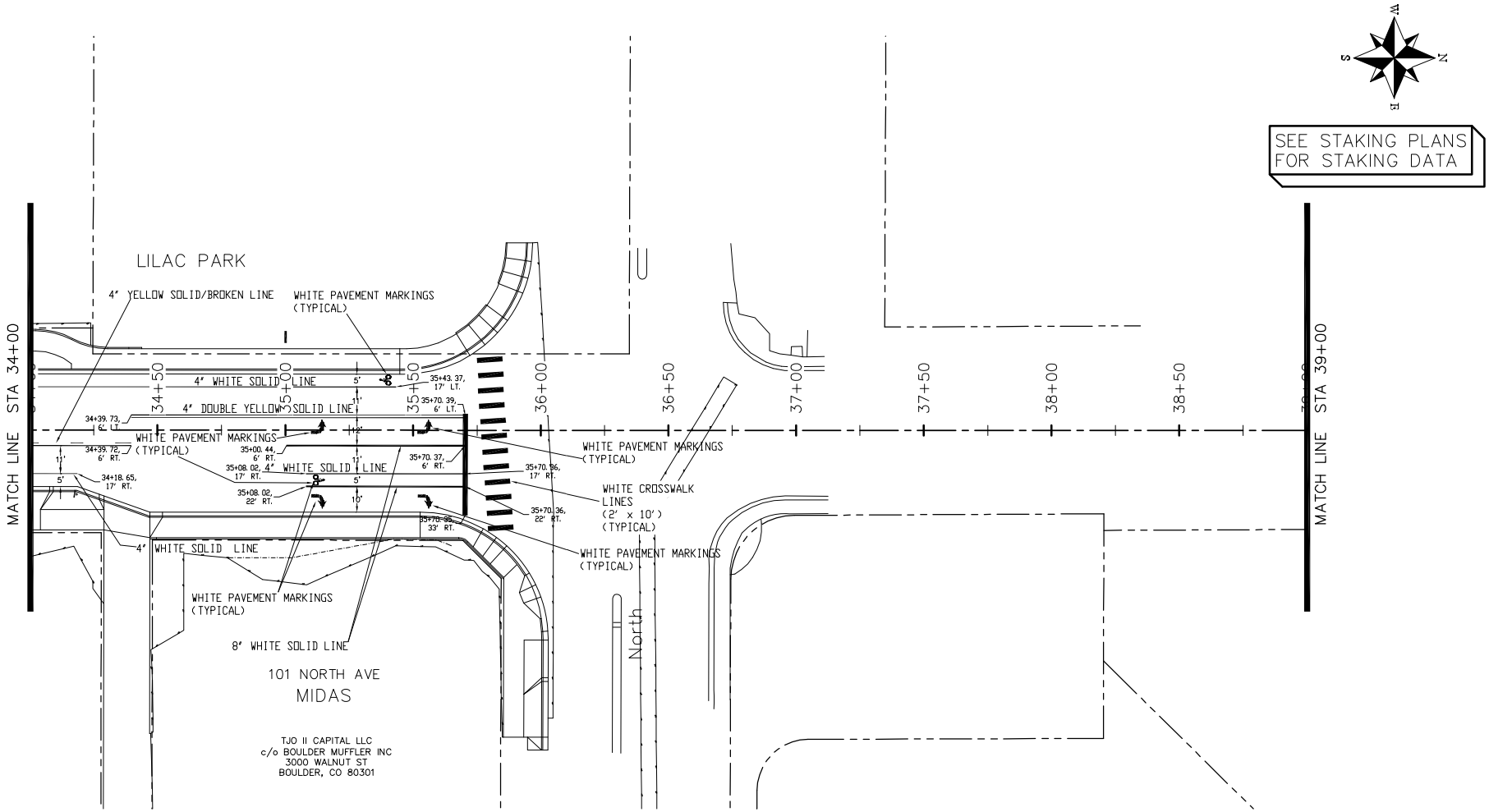
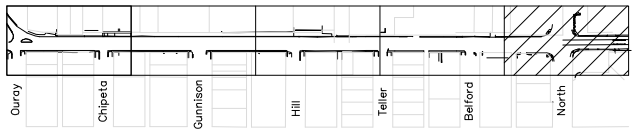
PROJECT NO. 201-F1501



SEE STAKING PLANS FOR STAKING DATA



KEYMAP

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REVISION ⚠ XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

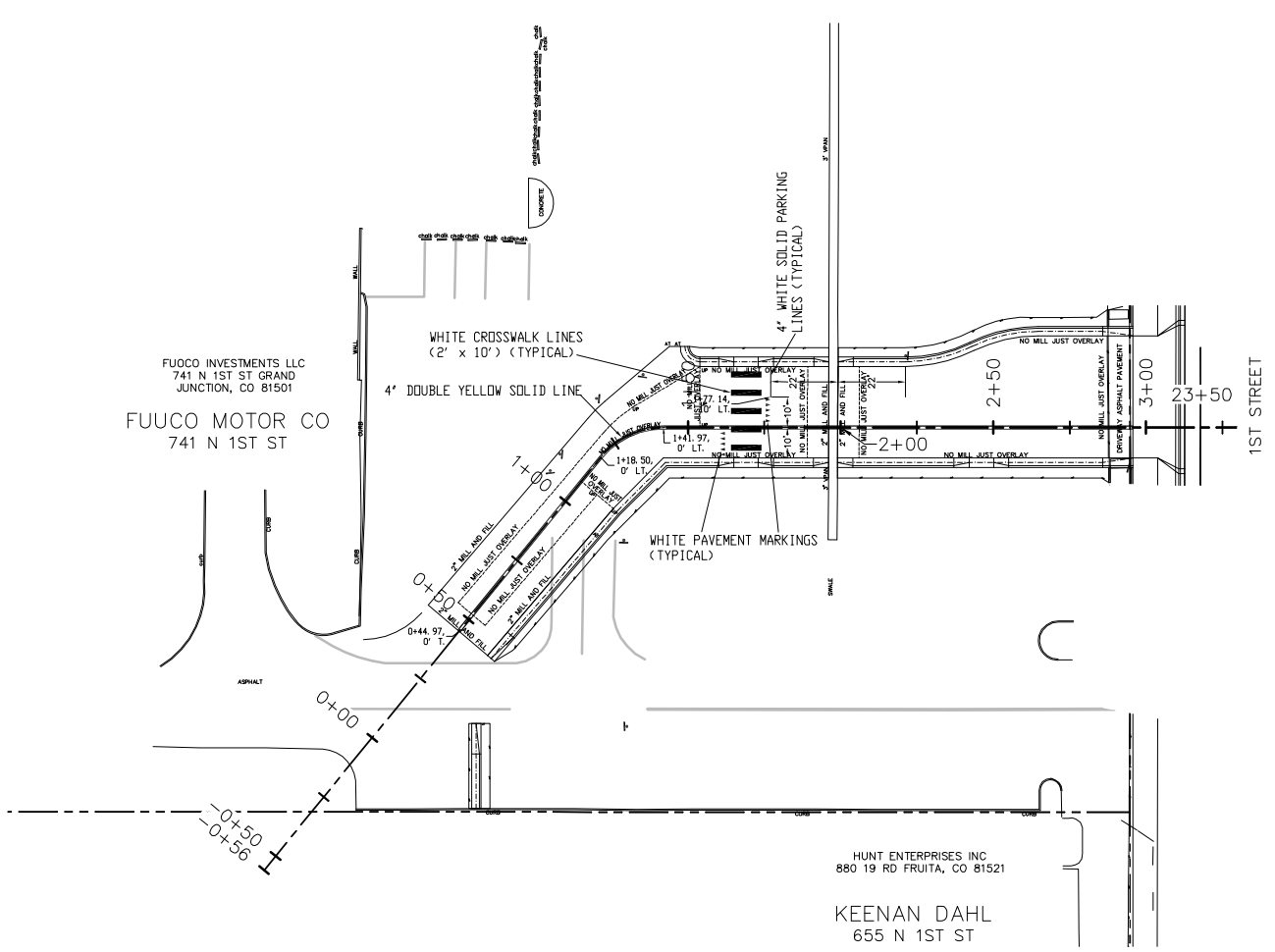
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION STRIPING PLAN STA 34+00 TO STA 39+00

145

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\STRIPING.dwg, 8/31/2016 9:42:08 AM

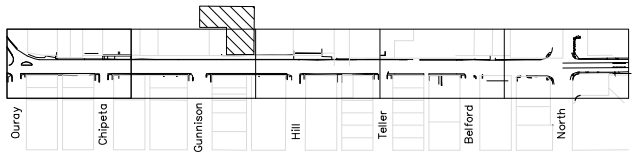
PROJECT NO. 201-F1501



SEE STAKING PLANS FOR STAKING DATA

FASHION JUNKIE
710 N 1ST ST

FERNANDO A AND BRANDY M LOSTALO
2020 E 1/4 RD
GRAND JUNCTION, CO 81507



KEYMAP

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DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
STRIPING PLAN
FUOCO CADILLAC

146

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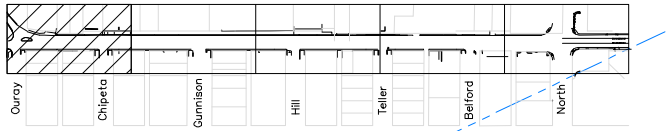
PROJECT NO. 201-F1501



KEYMAP

SEE STAKING PLANS FOR STAKING DATA

RYAN T MIZUSHIMA
1007 DOUGHERTY CT
GRAND JUNCTION, CO 81505

VERA F PEARCE
1714 N 21ST ST GRAND
JUNCTION, CO 81501

BRAD R STEWART
639 W TOMAHAWK CIR
GRAND JUNCTION, CO 81504

RISKEY BUSINESS LLC
539 N 1ST ST
GRAND JUNCTION, CO 81501

MCGOVERN ENTERPRISES INC PIZZA HUT 773
c/o HIGH PLAINS PIZZA
PO BOX 2438 LIBERAL, KS 67905

BICYCLE OUTFITTERS
537 N 1ST ST

eBRICKS OUTLET
539 N 1ST ST

PIZZA HUT
601 N 1ST ST

PERMANENT EASEMENT

PERMANENT EASEMENT

TEMPORARY CONSTRUCTION EASEMENTS

NEW RIGHT OF WAY LINE

NEW RIGHT OF WAY LINE

LIMITS OF DISTURBED AREA

RIGHT OF WAY

RIGHT OF WAY

RIGHT OF WAY

14+00

15+00

16+00

17+00

18+00

0+00

MATCH LINE STA 19+00

TEMPORARY CONSTRUCTION EASEMENT

TEMPORARY CONSTRUCTION EASEMENTS

TEMPORARY CONSTRUCTION EASEMENTS

VACANT
516 N 1ST ST
MARK L GAMBLE
PO BOX 2906
GRAND JUNCTION, CO 81502

TERRITORY SPORTS
534 N 1ST ST
BRAD R STEWART
639 W TOMAHAWK CIR
GRAND JUNCTION, CO 81504

PERFOMANCE CENTER
616 N 1ST ST

VICKIE L BADINI
AND ROBERT K SACCO
616 N 1ST ST
GRAND JUNCTION, CO 81501

Ouray

Chipeta

1+00

LIMITS OF DISTURBED AREA

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\TEMPORARY EASEMENT AND RIGHT OF WAY PLAN.dwg, 8/31/2016 9:44:13 AM

DESCRIPTION	DATE
REVISION 1 XXX	– 201X
REVISION 2 XXX	– 201X
REVISION 3 XXX	– 201X
REVISION 4 XXX	– 201X

DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

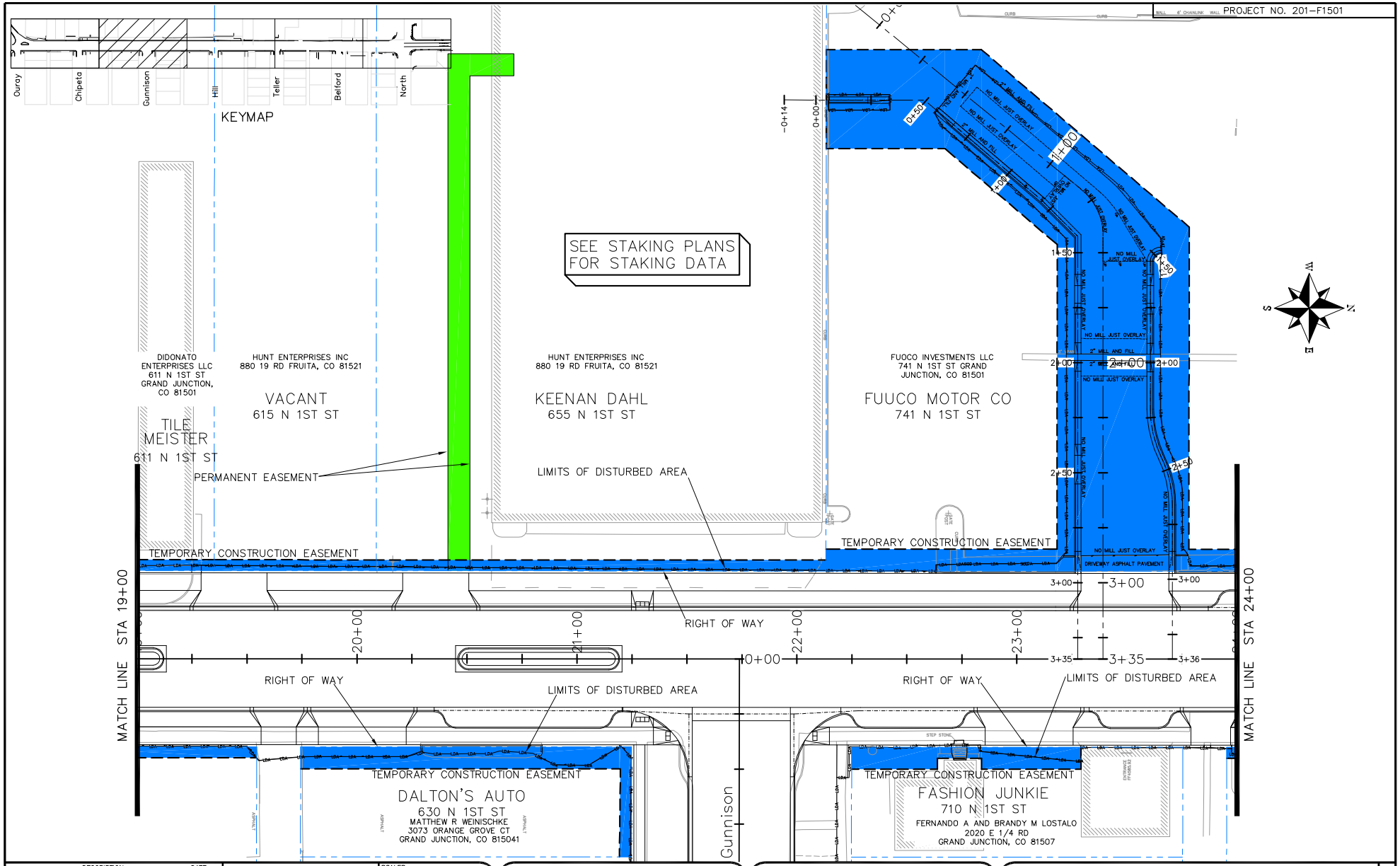
SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
TE, PE, AND ROW PLAN
STA 14+00 TO STA 19+00

147



DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X

DRAWN BY	JCS	DATE	2016
DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

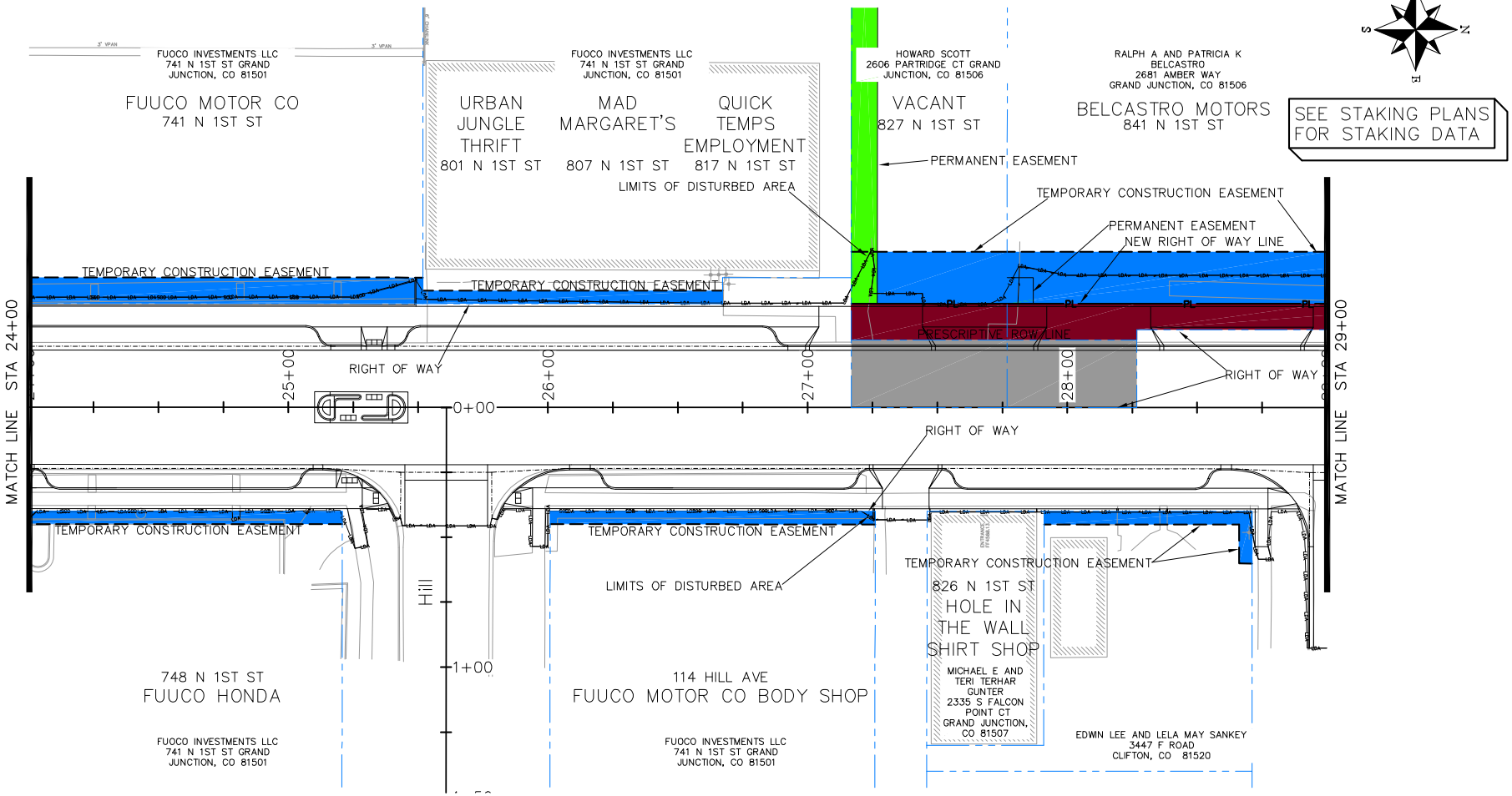
PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
TE, PE, AND ROW PLAN
STA 19+00 TO STA 24+00

148

N:\Landproj\2015 1st Street Reconstruction (F1501)\DWG\PUBLICATION\TEMPORARY EASEMENT AND RIGHT OF WAY PLAN.dwg, 002, 12/27/2016 4:35:20 PM

PROJECT NO. 201-F1501



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DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES: PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
TE, PE, AND ROW PLAN
STA 24+00 TO STA 29+00

149

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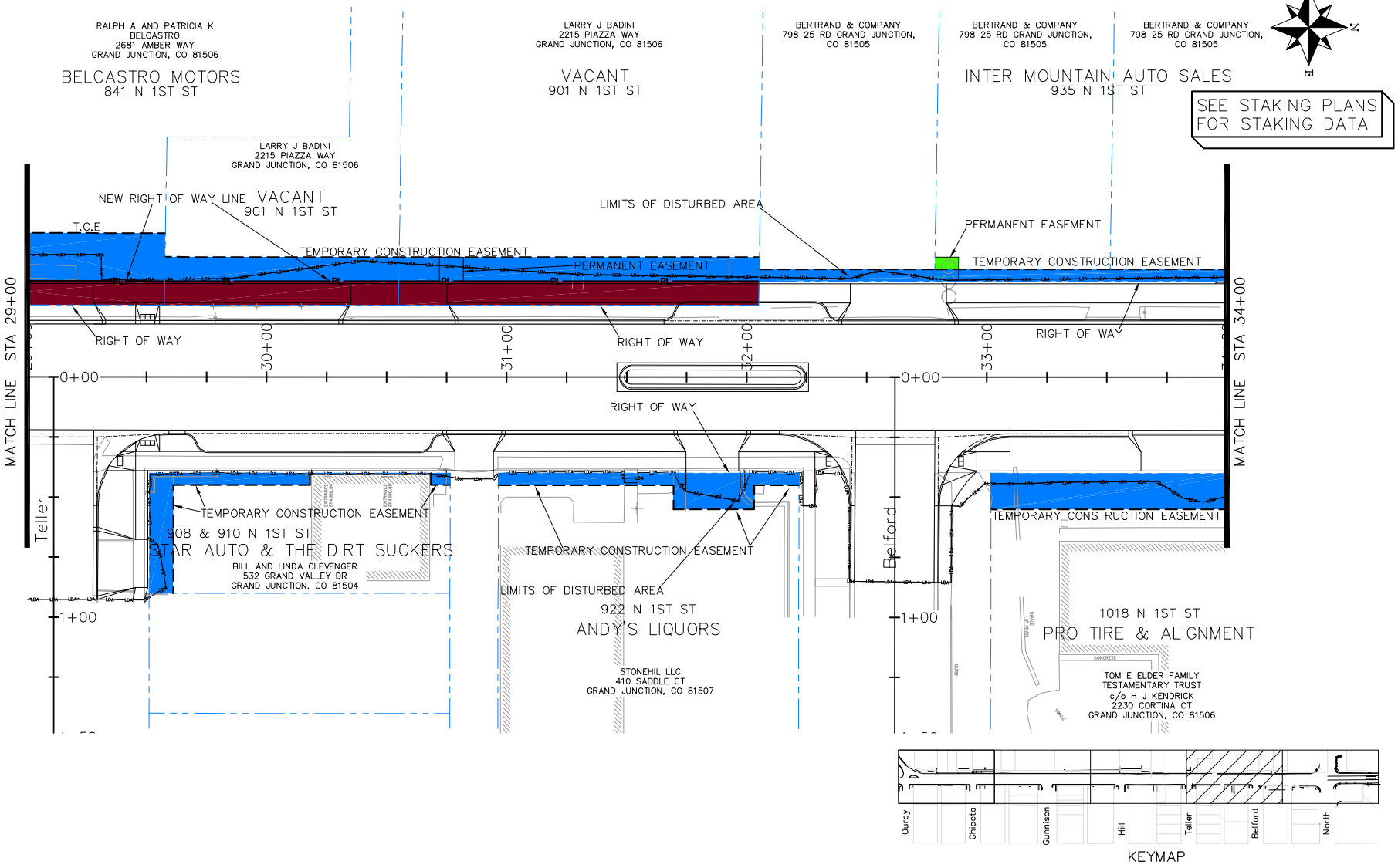
PROJECT NO. 201-F1501



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DRAWN BY JCS DATE 2016
DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
TE, PE, AND ROW PLAN
STA 29+00 TO STA 34+00

150

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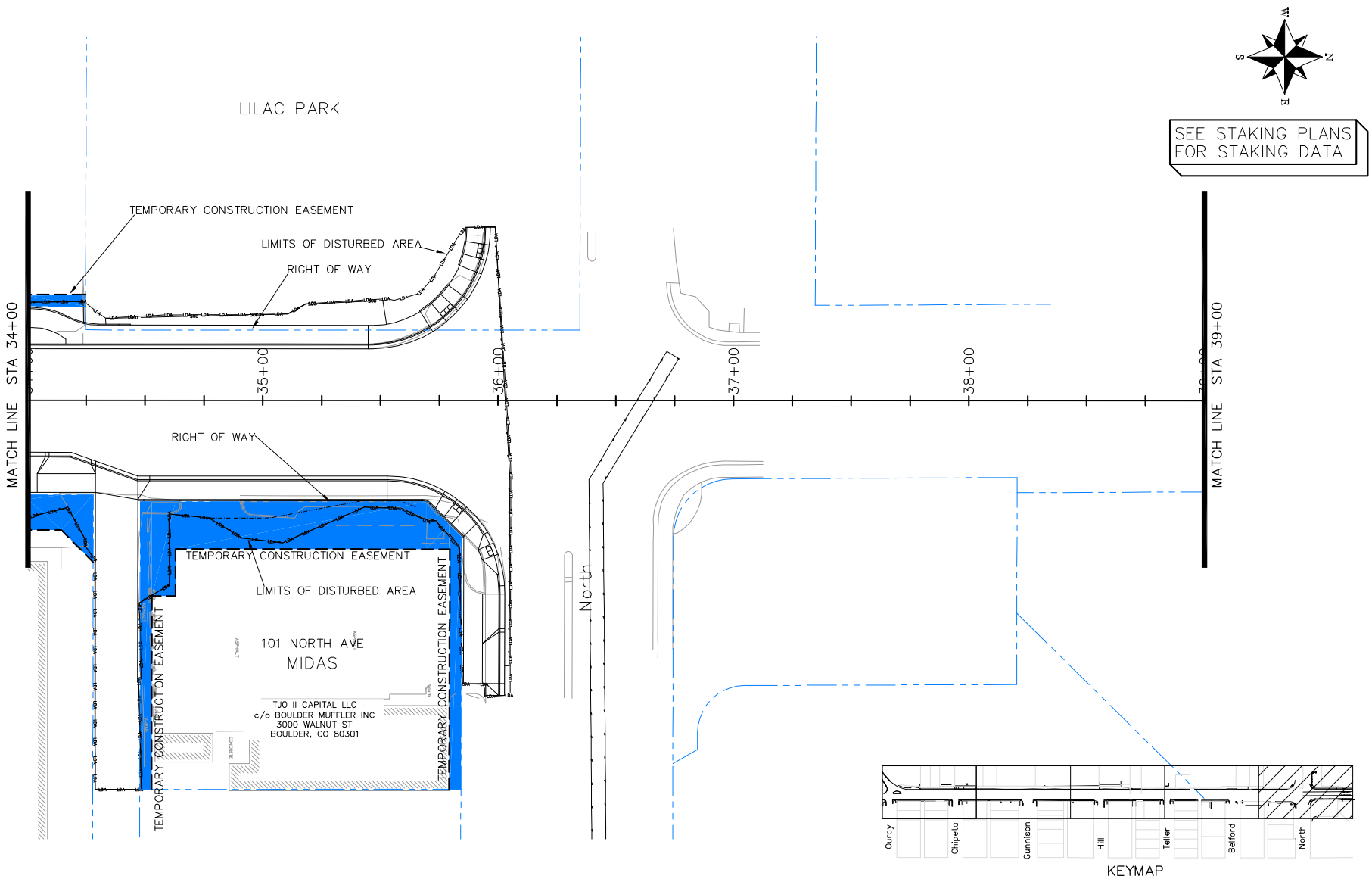

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DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 20 40
VERTICAL 0 NA NA

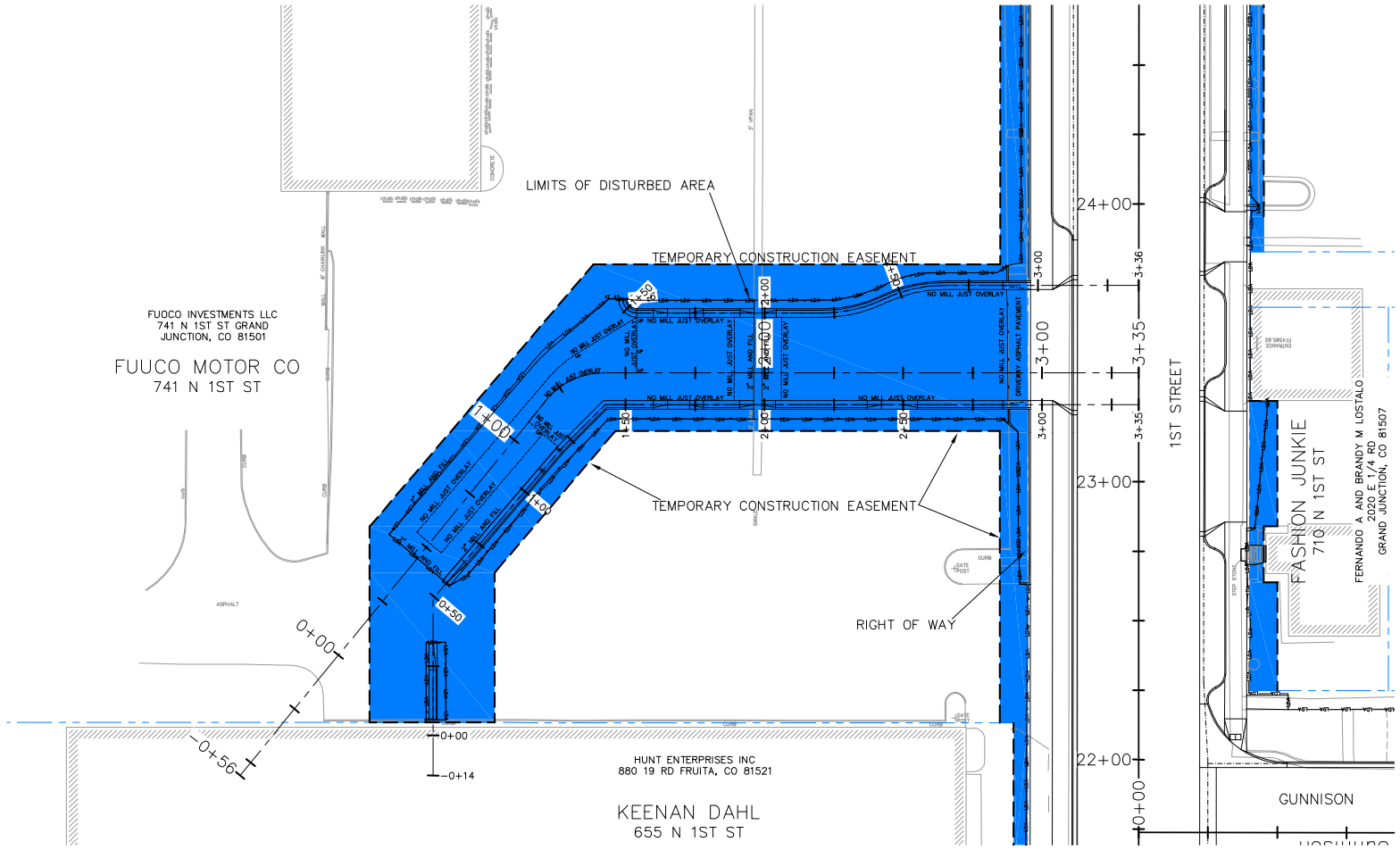
CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

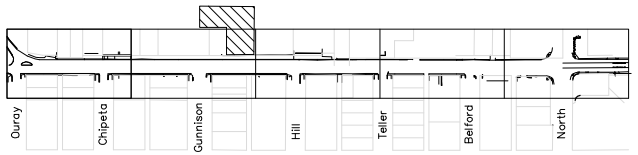
1ST STREET RECONSTRUCTION
TE, PE, AND ROW PLAN
STA 34+00 TO STA 39+00

151

PROJECT NO. 201-F1501



SEE STAKING PLANS FOR STAKING DATA



KEYMAP

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REVISION 2 XXX	– 201X
REVISION 3 XXX	– 201X
REVISION 4 XXX	– 201X

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DESIGNED BY JCS/JJV DATE 2016
CHECKED BY SBG DATE 2016
APPROVED BY TCP DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
TE, PE, AND ROW PLAN
FUOCO CADILLAC

152

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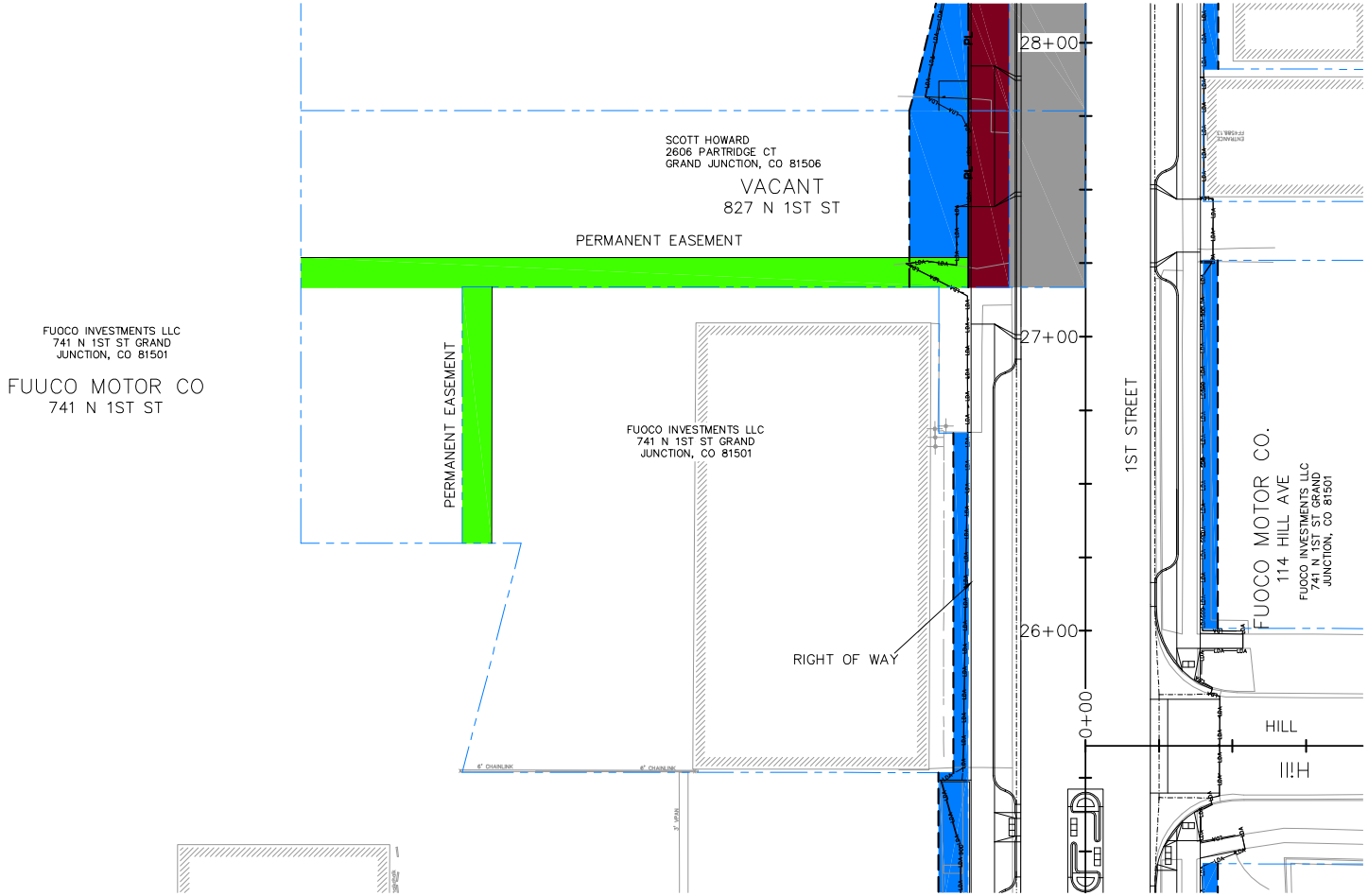
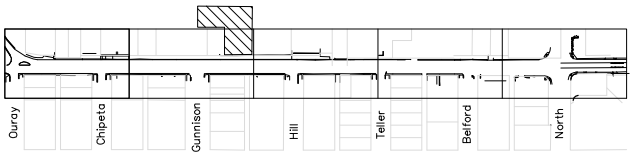
PROJECT NO. 201-F1501



SEE STAKING PLANS FOR STAKING DATA



KEYMAP

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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY	JCS	DATE	2016
DESIGNED BY	JCS/JJV	DATE	2016
CHECKED BY	SBG	DATE	2016
APPROVED BY	TCP	DATE	2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20 40
VERTICAL 0 NA NA NA

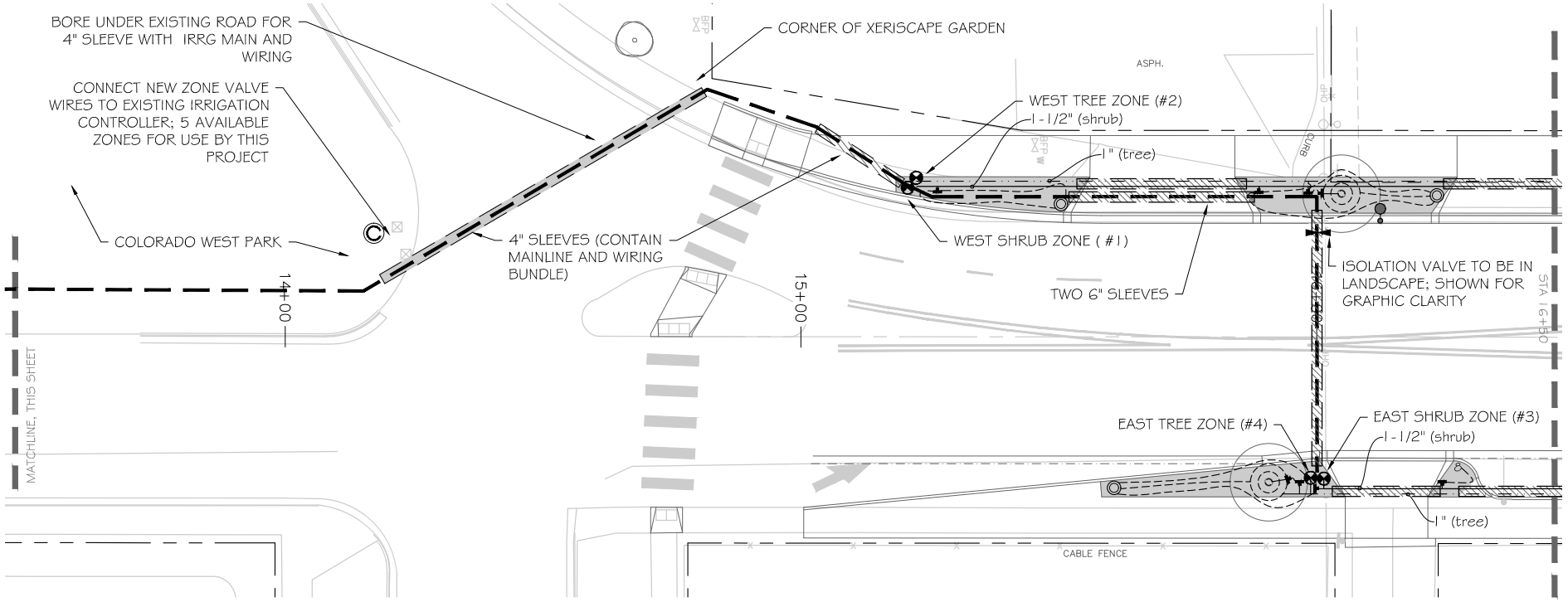
CITY OF Grand Junction COLORADO

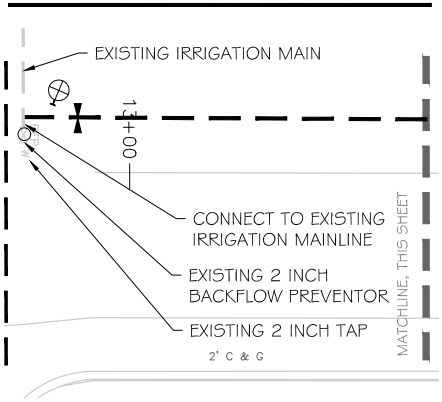
PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
TE, PE, AND ROW PLAN
FUOCO CADILLAC

153

PROJECT NO. 201-F1501



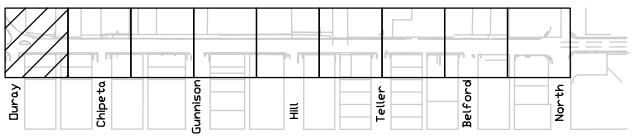


LEGEND

- CLASS 200 PVC MAIN, 1-1/2" UNLESS NOTED OTHERWISE
- LATERAL PVC PIPING - SHRUB -1" UNLESS NOTED OTHERWISE
- LATERAL PVC PIPING - TREE ZONE 1" UNLESS NOTED OTHERWISE
- TREE DRIPPER LINE ASSEMBLY DETAIL B/I-10
- 1/2" DRIP TUBE
- PIPE SIZING
- IRRIGATION SLEEVE, 6" UNLESS OTHERWISE NOTED
- DIRECTIONAL BORE WITH SLEEVE
- RAINBIRD DRIP ZONE VALVE, DETAIL C/I-10; SIZE PER VALVE SCHEDULE, SHEET I-11
- ISOLATION VALVE DETAIL E/I-10
- MANUAL DRAIN VALVE DETAIL D/I-10
- COMPRESSION "T" FITTING
- DRIP ZONE FLUSH BOX (>15 FT. LENGTH OF TUBING) DETAIL A/I-10
- 8 FIGURE 8 HOSE END (</= 15 FT. LENGTH OF TUBING)
- EXISTING IRRIGATION CONTROLLER

0 20 40 60

NORTH



KEYMAP

GIAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

DESCRIPTION	DATE
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

DRAWN BY MH DATE 2016
DESIGNED BY MH DATE 2016
CHECKED BY CR DATE 2016
APPROVED BY TC DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
IRRIGATION PLAN I-1
STA 12+80 TO STA 16+50

154

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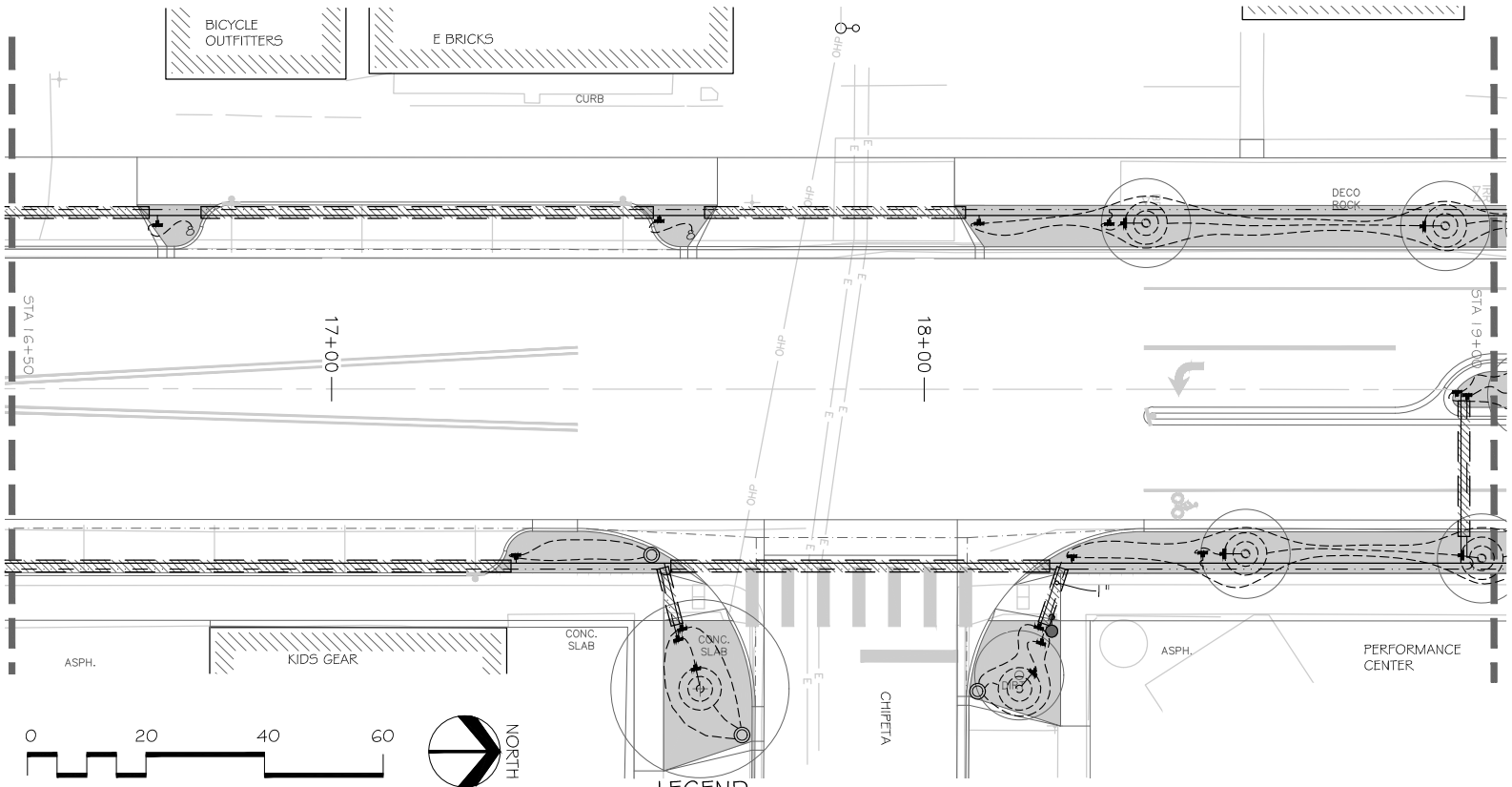
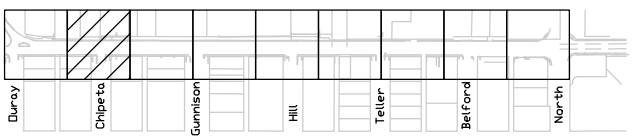
PROJECT NO. 201-F1501



LEGEND

- CLASS 200 PVC MAIN, 1-1/2" UNLESS NOTED OTHERWISE
- LATERAL PVC PIPING - SHRUB -1" UNLESS NOTED OTHERWISE
- LATERAL PVC PIPING - TREE ZONE 1" UNLESS NOTED OTHERWISE
- TREE DRIPPER LINE ASSEMBLY DETAIL B/I-10
- ½" DRIP TUBE
- 1" PIPE SIZING
- IRRIGATION SLEEVE, 6" UNLESS OTHERWISE NOTED
- DIRECTIONAL BORE WITH SLEEVE
- RAINBIRD DRIP ZONE VALVE, DETAIL C/I-10; SIZE PER VALVE SCHEDULE, SHEET I-11
- ISOLATION VALVE DETAIL E/I-10
- MANUAL DRAIN VALVE DETAIL D/I-10
- COMPRESSION "T" FITTING
- DRIP ZONE FLUSH BOX (>15 FT. LENGTH OF TUBING) DETAIL A/I-10
- FIGURE 8 HOSE END (</= 15 FT. LENGTH OF TUBING)
- EXISTING IRRIGATION CONTROLLER



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DRAWN BY MH DATE 2016
DESIGNED BY MH DATE 2016
CHECKED BY CR DATE 2016
APPROVED BY TC DATE 2016

SCALES: PLAN & PROFILE
HORIZONTAL 0 10 20
VERTICAL 0 NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
IRRIGATION PLAN I-2
STA 16+50 TO STA 19+00

155

GIAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

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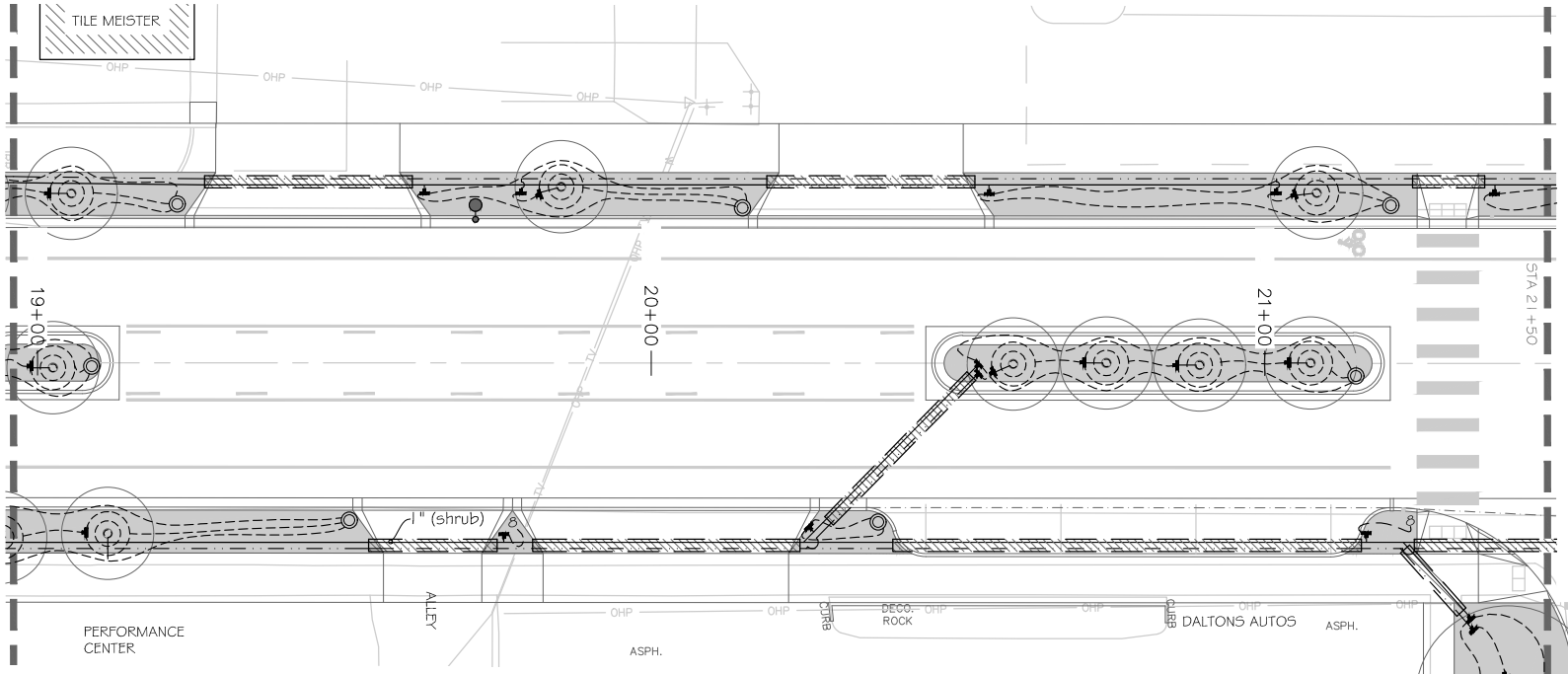
PROJECT NO. 201-F1501

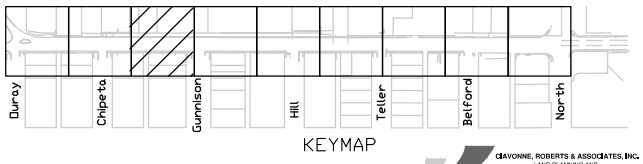


0 20 40 60

NORTH

LEGEND

- CLASS 200 PVC MAIN, 1-1/2" UNLESS NOTED OTHERWISE
- LATERAL PVC PIPING - SHRUB -1" UNLESS NOTED OTHERWISE
- LATERAL PVC PIPING - TREE ZONE 1" UNLESS NOTED OTHERWISE
- TREE DRIPPER LINE ASSEMBLY DETAIL B/I-10
- 1/2" DRIP TUBE
- PIPE SIZING
- IRRIGATION SLEEVE, 6" UNLESS OTHERWISE NOTED
- DIRECTIONAL BORE WITH SLEEVE
- RAINBIRD DRIP ZONE VALVE, DETAIL C/I-10; SIZE PER VALVE SCHEDULE, SHEET I-11
- ISOLATION VALVE DETAIL E/I-10
- MANUAL DRAIN VALVE DETAIL D/I-10
- COMPRESSION "T" FITTING
- DRIP ZONE FLUSH BOX (>15 FT. LENGTH OF TUBING) DETAIL A/I-10
- FIGURE 8 HOSE END (</= 15 FT. LENGTH OF TUBING)
- EXISTING IRRIGATION CONTROLLER



KEYMAP

GIAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

DESCRIPTION	DATE
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REVISION 2 XXX	– 201X
REVISION 3 XXX	– 201X
REVISION 4 XXX	– 201X

DRAWN BY MH DATE 2016
DESIGNED BY MH DATE 2016
CHECKED BY CR DATE 2016
APPROVED BY TC DATE 2016

SCALES: PLAN & PROFILE
HORIZONTAL 0 5 10 20
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
IRRIGATION PLAN I-3
STA 19+00 TO STA 21+50

156

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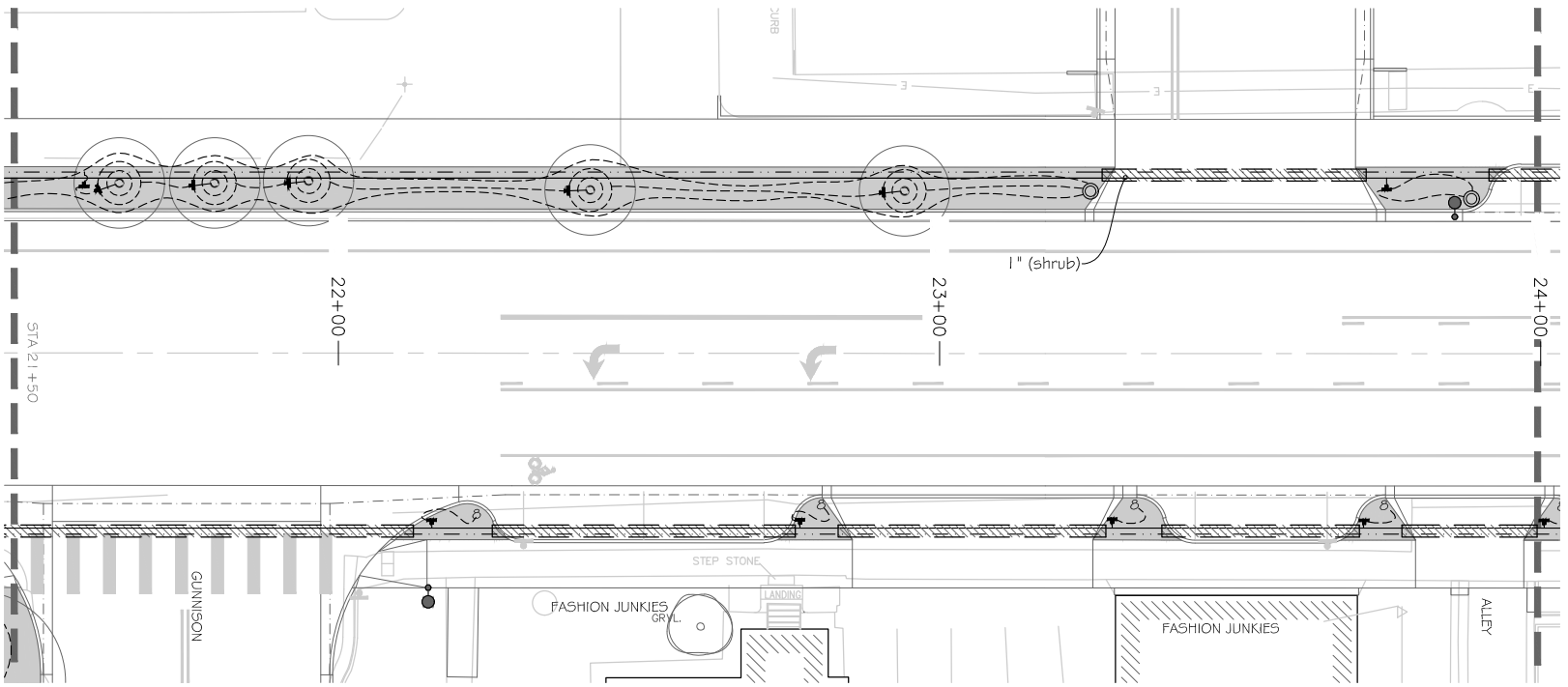
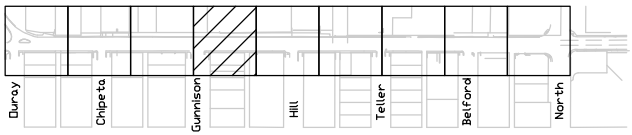
PROJECT NO. 201-F1501



0 20 40 60 NORTH

LEGEND

- CLASS 200 PVC MAIN, 1-1/2" UNLESS NOTED OTHERWISE
- LATERAL PVC PIPING - SHRUB -1" UNLESS NOTED OTHERWISE
- LATERAL PVC PIPING - TREE ZONE 1" UNLESS NOTED OTHERWISE
- TREE DRIPPER LINE ASSEMBLY DETAIL B/I-10
- ½" DRIP TUBE
- 1" PIPE SIZING
- IRRIGATION SLEEVE, 6" UNLESS OTHERWISE NOTED
- DIRECTIONAL BORE WITH SLEEVE
- RAINBIRD DRIP ZONE VALVE, DETAIL C/I-10; SIZE PER VALVE SCHEDULE, SHEET I-11
- ISOLATION VALVE DETAIL E/I-10
- MANUAL DRAIN VALVE DETAIL D/I-10
- COMPRESSION "T" FITTING
- DRIP ZONE FLUSH BOX (>15 FT. LENGTH OF TUBING) DETAIL A/I-10
- 8 FIGURE 8 HOSE END (</= 15 FT. LENGTH OF TUBING)
- © EXISTING IRRIGATION CONTROLLER



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DRAWN BY MH DATE 2016
DESIGNED BY MH DATE 2016
CHECKED BY CR DATE 2016
APPROVED BY TC DATE 2016

SCALES: PLAN & PROFILE
HORIZONTAL 0 5 10 20
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
IRRIGATION PLAN I-4
STA 21+50 TO STA 24+00

157

DAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

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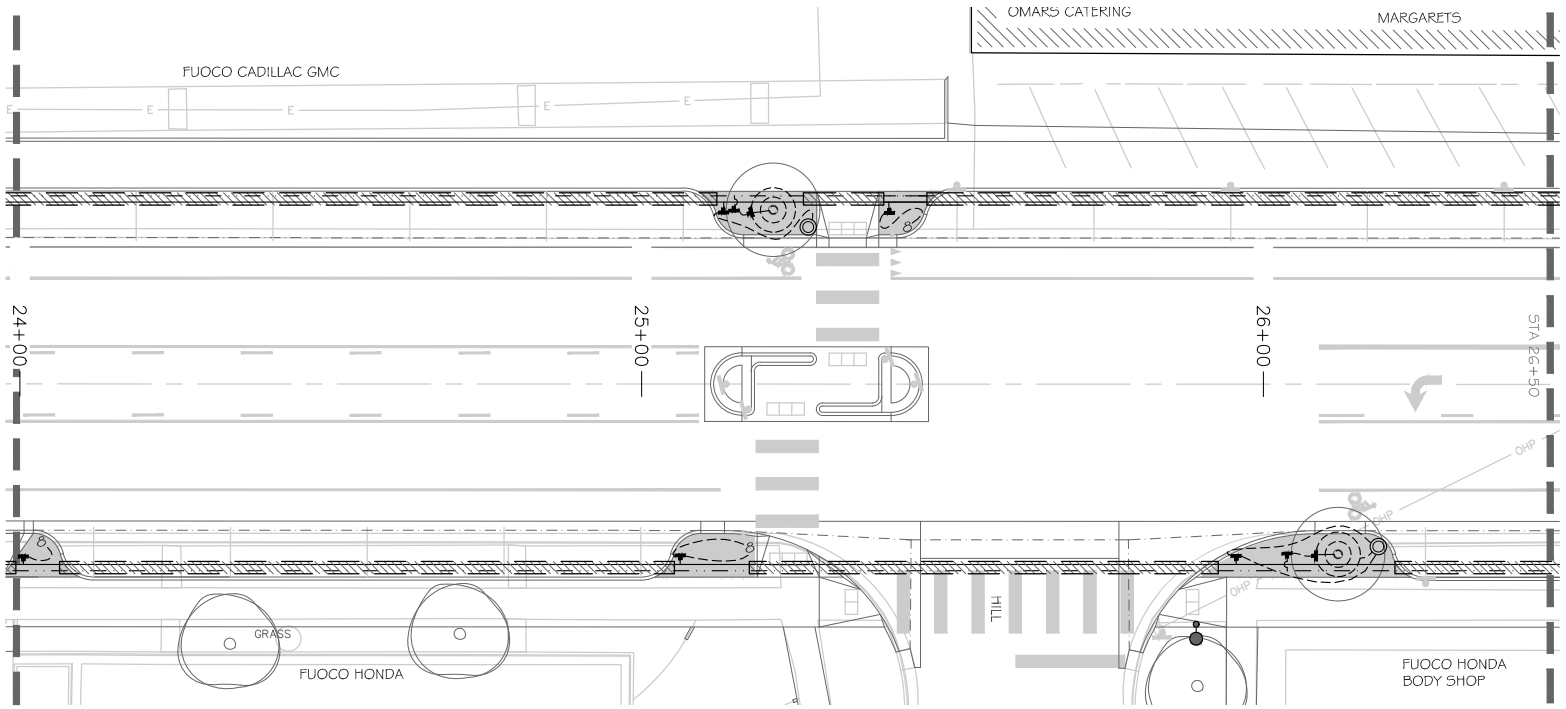
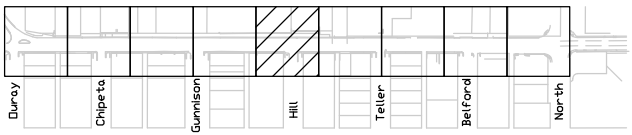
PROJECT NO. 201-F1501



0 20 40 60 NORTH

LEGEND

- CLASS 200 PVC MAIN, 1-1/2" UNLESS NOTED OTHERWISE
- LATERAL PVC PIPING - SHRUB -1" UNLESS NOTED OTHERWISE
- LATERAL PVC PIPING - TREE ZONE 1" UNLESS NOTED OTHERWISE
- TREE DRIPPER LINE ASSEMBLY DETAIL B/I-10
- 1/2" DRIP TUBE
- 1" PIPE SIZING
- IRRIGATION SLEEVE, 6" UNLESS OTHERWISE NOTED
- DIRECTIONAL BORE WITH SLEEVE
- RAINBIRD DRIP ZONE VALVE, DETAIL C/I-10; SIZE PER VALVE SCHEDULE, SHEET I-11
- ISOLATION VALVE DETAIL E/I-10
- MANUAL DRAIN VALVE DETAIL D/I-10
- COMPRESSION "T" FITTING
- DRIP ZONE FLUSH BOX (>15 FT. LENGTH OF TUBING) DETAIL A/I-10
- 8 FIGURE 8 HOSE END (</= 15 FT. LENGTH OF TUBING)
- C EXISTING IRRIGATION CONTROLLER



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DRAWN BY MH DATE 2016
DESIGNED BY MH DATE 2016
CHECKED BY CR DATE 2016
APPROVED BY TC DATE 2016

SCALES: PLAN & PROFILE
HORIZONTAL 0 5 10 20
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CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
IRRIGATION PLAN I-5
STA 24+00 TO STA 26+50

158

GIAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

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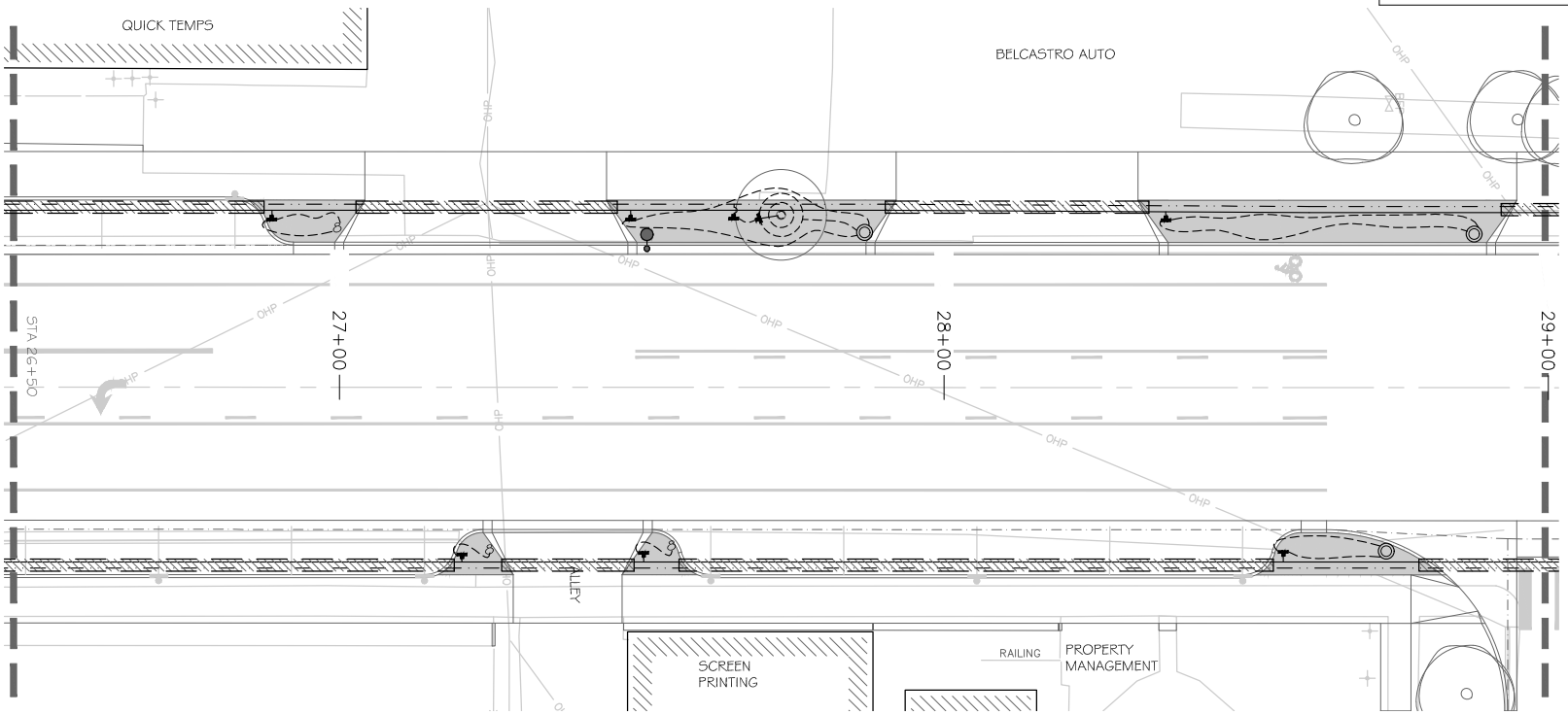
PROJECT NO. 201-F1501



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LEGEND

- CLASS 200 PVC MAIN, 1-1/2" UNLESS NOTED OTHERWISE
- LATERAL PVC PIPING - SHRUB -1" UNLESS NOTED OTHERWISE
- LATERAL PVC PIPING - TREE ZONE 1" UNLESS NOTED OTHERWISE
- TREE DRIPPER LINE ASSEMBLY DETAIL B/I-10
- 1/2" DRIP TUBE
- 1" PIPE SIZING
- IRRIGATION SLEEVE, 6" UNLESS OTHERWISE NOTED
- DIRECTIONAL BORE WITH SLEEVE
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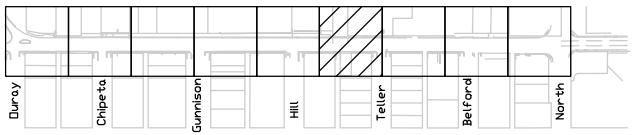
- ISOLATION VALVE DETAIL E/I-10
- MANUAL DRAIN VALVE DETAIL D/I-10
- COMPRESSION "T" FITTING
- DRIP ZONE FLUSH BOX (>15 FT. LENGTH OF TUBING) DETAIL A/I-10
- 8 FIGURE 8 HOSE END (</= 15 FT. LENGTH OF TUBING)
- C EXISTING IRRIGATION CONTROLLER



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DRAWN BY MH DATE 2016
DESIGNED BY MH DATE 2016
CHECKED BY CR DATE 2016
APPROVED BY TC DATE 2016

SCALES: PLAN & PROFILE HORIZONTAL 0 10 20 VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
IRRIGATION PLAN I-6
STA 12+80 TO STA 16+50

159

GAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

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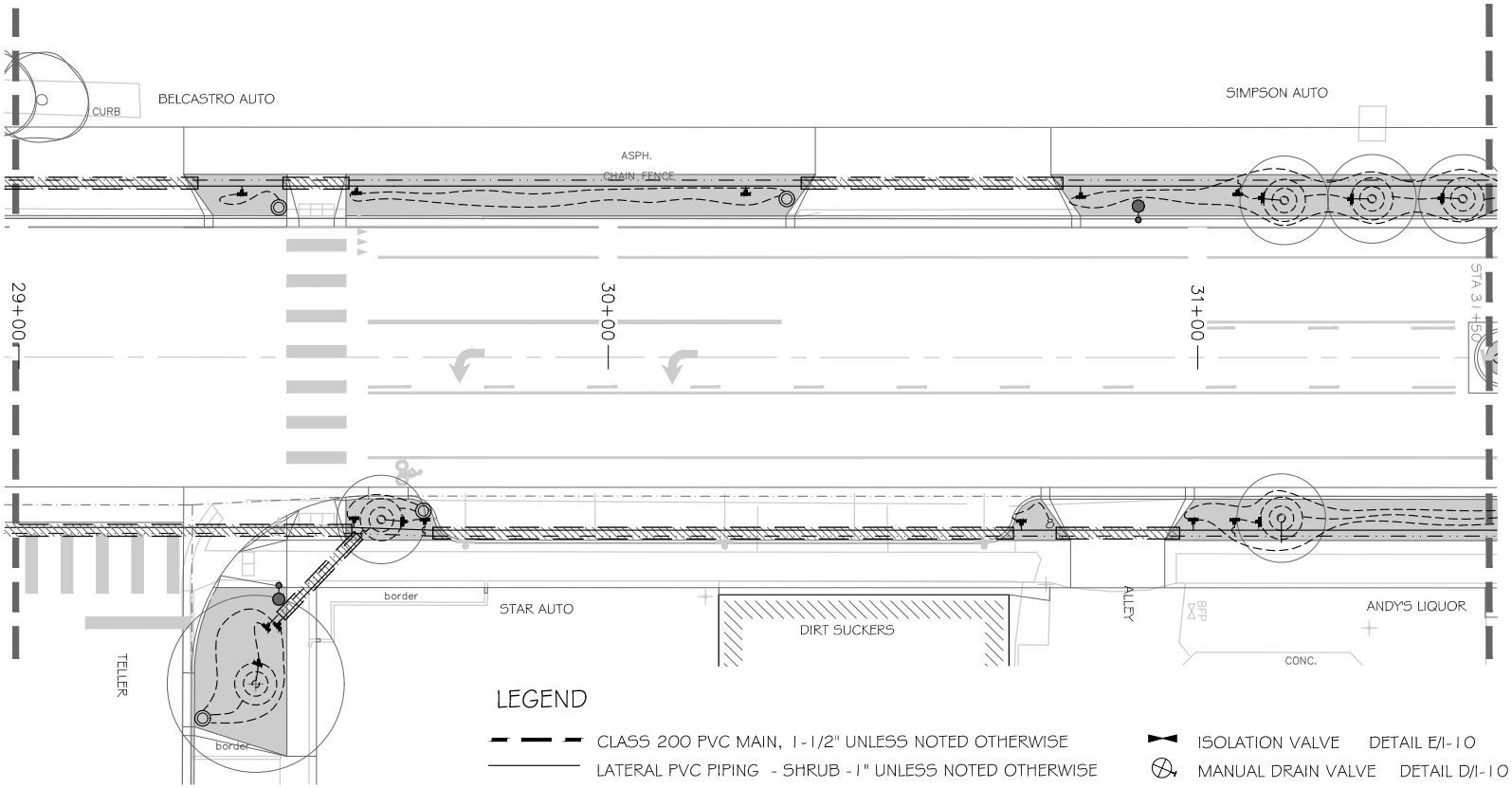
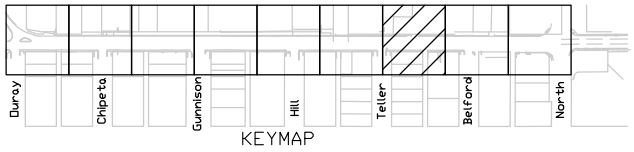
PROJECT NO. 201-F1501



LEGEND

- CLASS 200 PVC MAIN, 1-1/2" UNLESS NOTED OTHERWISE
- LATERAL PVC PIPING - SHRUB -1" UNLESS NOTED OTHERWISE
- LATERAL PVC PIPING - TREE ZONE 1" UNLESS NOTED OTHERWISE
- TREE DRIPPER LINE ASSEMBLY DETAIL B/I-10
- 1/2" DRIP TUBE
- 1" PIPE SIZING
- IRRIGATION SLEEVE, 6" UNLESS OTHERWISE NOTED
- DIRECTIONAL BORE WITH SLEEVE
- RAINBIRD DRIP ZONE VALVE, DETAIL C/I-10; SIZE PER VALVE SCHEDULE, SHEET I-11
- ISOLATION VALVE DETAIL E/I-10
- MANUAL DRAIN VALVE DETAIL D/I-10
- COMPRESSION "T" FITTING
- DRIP ZONE FLUSH BOX (>15 FT. LENGTH OF TUBING) DETAIL A/I-10
- 8 FIGURE 8 HOSE END (</= 15 FT. LENGTH OF TUBING)
- C EXISTING IRRIGATION CONTROLLER

0 20 40 60 NORTH



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DRAWN BY MH DATE 2016
DESIGNED BY MH DATE 2016
CHECKED BY CR DATE 2016
APPROVED BY TC DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
IRRIGATION PLAN I-7
STA 29+00 TO STA 31+50

160

DAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

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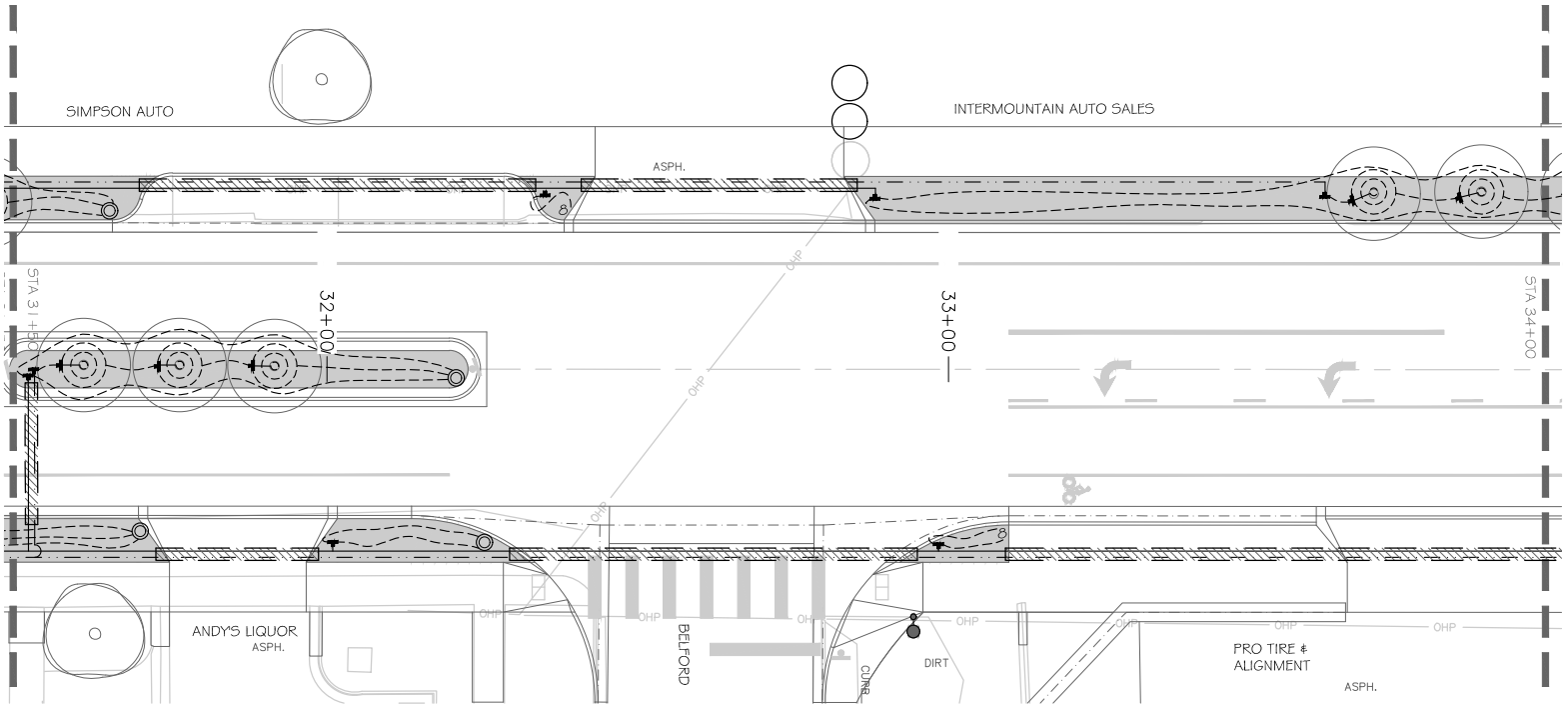
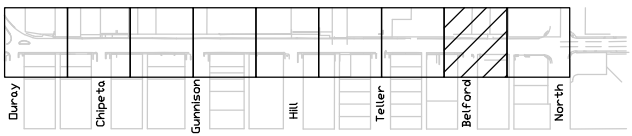
PROJECT NO. 201-F1501



0 20 40 60 NORTH

LEGEND

- CLASS 200 PVC MAIN, 1-1/2" UNLESS NOTED OTHERWISE
- LATERAL PVC PIPING - SHRUB - 1" UNLESS NOTED OTHERWISE
- LATERAL PVC PIPING - TREE ZONE 1" UNLESS NOTED OTHERWISE
- TREE DRIPPER LINE ASSEMBLY DETAIL B/I-10
- 1/2" DRIP TUBE
- 1" PIPE SIZING
- IRRIGATION SLEEVE, 6" UNLESS OTHERWISE NOTED
- DIRECTIONAL BORE WITH SLEEVE
- RAINBIRD DRIP ZONE VALVE, DETAIL C/I-10; SIZE PER VALVE SCHEDULE, SHEET I-11
- ISOLATION VALVE DETAIL E/I-10
- MANUAL DRAIN VALVE DETAIL D/I-10
- COMPRESSION "T" FITTING
- DRIP ZONE FLUSH BOX (>15 FT. LENGTH OF TUBING) DETAIL A/I-10
- 8 FIGURE 8 HOSE END (</= 15 FT. LENGTH OF TUBING)
- C EXISTING IRRIGATION CONTROLLER



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DRAWN BY MH DATE 2016
DESIGNED BY MH DATE 2016
CHECKED BY CR DATE 2016
APPROVED BY TC DATE 2016

SCALES: PLAN & PROFILE HORIZONTAL 0 10 20 VERTICAL 0 NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
IRRIGATION PLAN I-8
STA 31+50 TO STA 34+00

161

DAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

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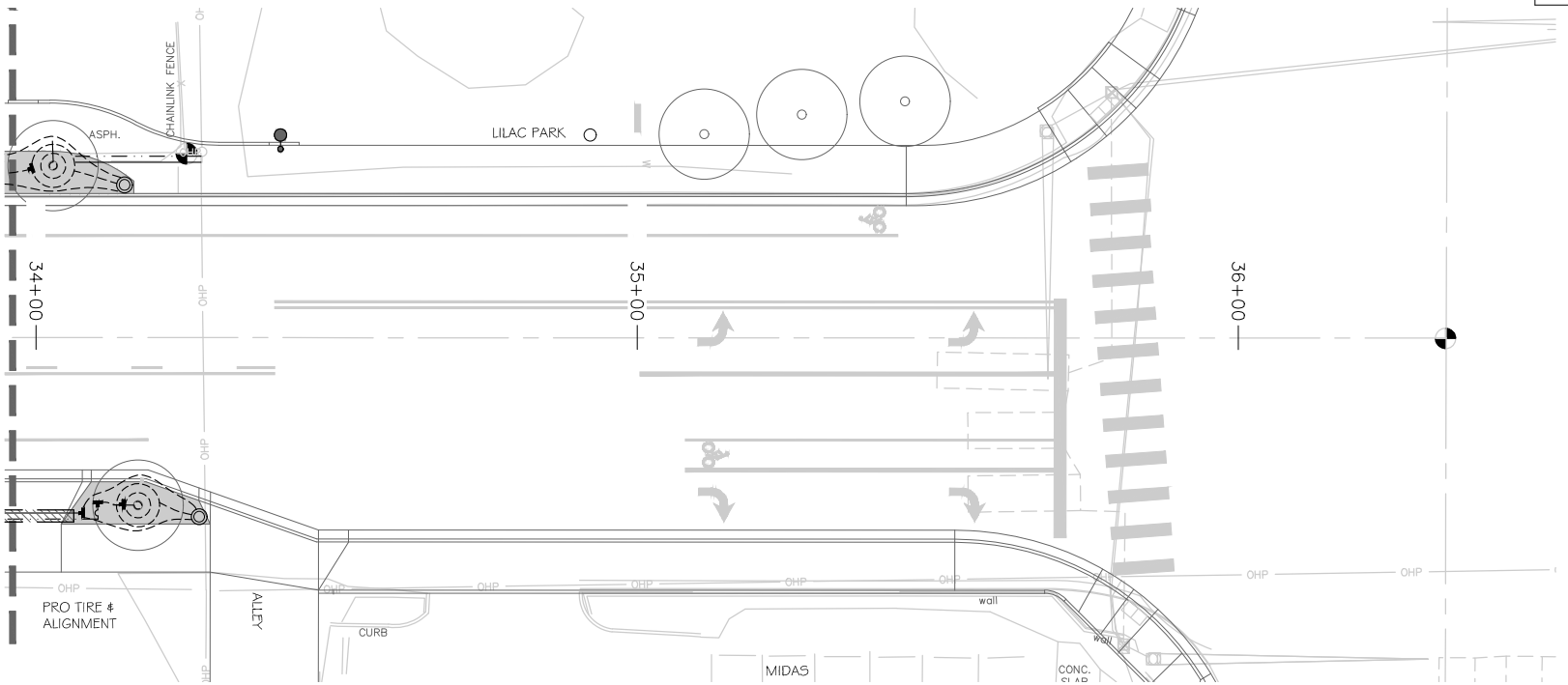
PROJECT NO. 201-F1501

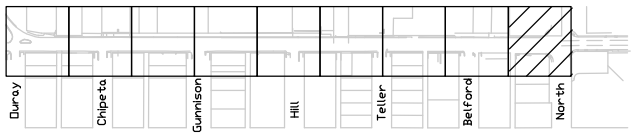


0 20 40 60

NORTH

LEGEND

- CLASS 200 PVC MAIN, 1-1/2" UNLESS NOTED OTHERWISE
- LATERAL PVC PIPING - SHRUB -1" UNLESS NOTED OTHERWISE
- LATERAL PVC PIPING - TREE ZONE 1" UNLESS NOTED OTHERWISE
- TREE DRIPPER LINE ASSEMBLY DETAIL B/I-10
- ½" DRIP TUBE
- 1" PIPE SIZING
- IRRIGATION SLEEVE, 6" UNLESS OTHERWISE NOTED
- DIRECTIONAL BORE WITH SLEEVE
- RAINBIRD DRIP ZONE VALVE, DETAIL C/I-10; SIZE PER VALVE SCHEDULE, SHEET I-11
- ISOLATION VALVE DETAIL E/I-10
- MANUAL DRAIN VALVE DETAIL D/I-10
- COMPRESSION "T" FITTING
- DRIP ZONE FLUSH BOX (>15 FT. LENGTH OF TUBING) DETAIL A/I-10
- FIGURE 8 HOSE END (</= 15 FT. LENGTH OF TUBING)
- EXISTING IRRIGATION CONTROLLER



KEYMAP

GIAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

DESCRIPTION	DATE
REVISION XXX	201X
REVISION XXX	201X
REVISION XXX	201X
REVISION XXX	201X

DRAWN BY MH DATE 2016
DESIGNED BY MH DATE 2016
CHECKED BY CR DATE 2016
APPROVED BY TC DATE 2016

SCALES: PLAN & PROFILE HORIZONTAL 0 10 20 VERTICAL 0 NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
IRRIGATION PLAN I-9
STA 34+00 TO STA 36+50

162

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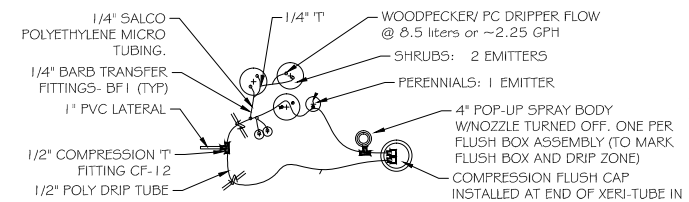
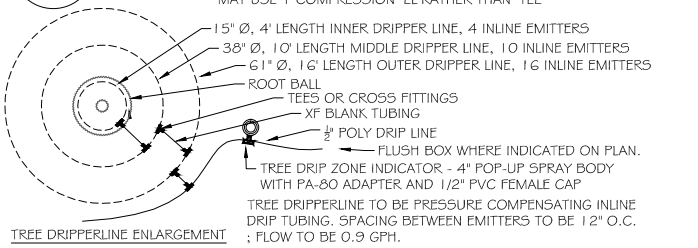
TUBING PLACEMENT AND LIMITS	EMITTER PLACEMENT	FLUSH BOX PLACEMENT
1/2" DISTRIBUTION TUBE-MAX. 200 GPH PER LENGTH. MAX. 200' LENGTH. TUBING MAY BRANCH BUT SHALL NOT LOOP. EACH BRANCH TO END WITH FLUSH CAP IN 6" ROUND VALVE BOX. 1/4" DISTRIBUTION TUBE-MAX. 15 GPH PER LENGTH. MAX. 10' LENGTH. CONNECTION WITH 1/2" TUBE TO BE 1/4" COUPLER, NOT PC DRIPPER (WITHIN GPH LIMIT). ALL TUBING TO BE PLACED BELOW WEED CONTROL FABRIC (WHERE FABRIC OCCURS. TUBING TO BE STAKED AT EMITTER AT MAX 5' INTERVALS WITH MAX. 8" STAPLES. 1/4" TUBING TO BE SALCO POLYETHYLENE MICRO TUBING.	PERENNIALS: ONE PC DRIPPER PER PLANT, LOCATED AND STAKED AT CENTER OF ROOT BALL. SHRUBS: TWO PC DRIPPERS PER PLANT, LOCATED AND STAKED AT CENTER OF ROOT BALL, MIN. 4" APART FROM EACH OTHER. TREES: 3 DRIPPER LINE RINGS; 7-1/2", 19" & 30" FROM CENTER OF ROOTBALL, TUBE IS TECHLINE CV, 12" DRIPPER SPACING, 0.9 GPH INLINE EMITTERS.	MINIMIZE NUMBER OF FLUSH BOXES. LOCATE ADJACENT TO WALKS OR DRIVES FOR MAINTENANCE ACCESS. INSTALL XERIPOP MICROSPRAY NOZZLE ADJACENT TO FLUSH BOX. DIRECT SPRAY TOWARD PLANTINGS. EMITTERS ARE NOT NECESSARY FOR THOSE PLANTS COVERED BY MICROSPRAY.

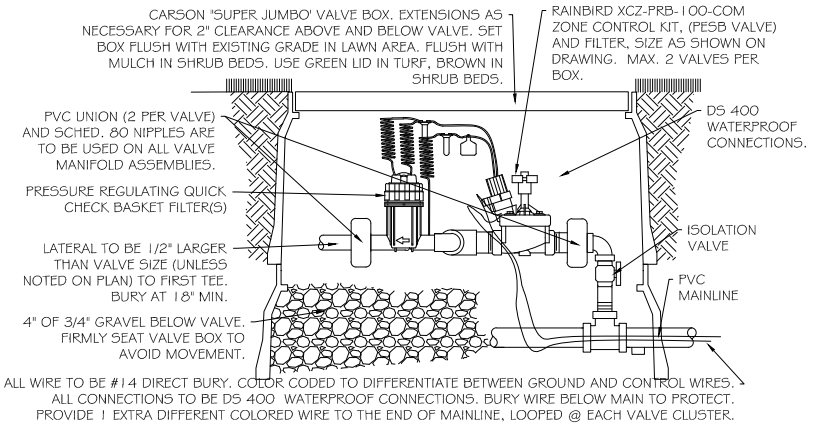


A 1-10 NETAFIM PC DRIPPER EMITTER LAYOUT - SHRUB ZONES
NOT TO SCALE

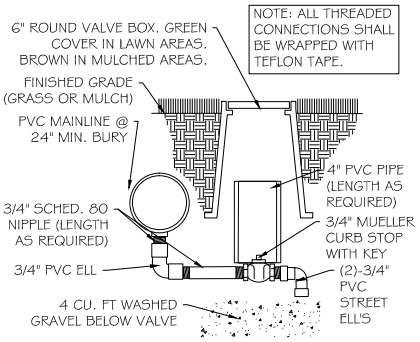
NOTE: WHERE DRAWING SHOWS ONE 1/2" POLY DRIP LINE, CONTRACTOR MAY USE 1 COMPRESSION 'EL'RATHER THAN "TEE"



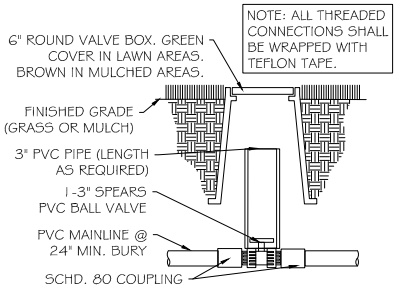
B 1-10 NETAFIM PC DRIPPER EMITTER LAYOUT - TREE ZONES
NOT TO SCALE



C 1-10 RAINBIRD XCZ DRIP ZONE CONTROL VALVE ASSEMBLY
NOT TO SCALE



D 1-10 MANUAL DRAIN VALVE (TYP)
NOT TO SCALE



E 1-10 ISOLATION VALVE (TYP 1-3" LINE)
NOT TO SCALE

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DESCRIPTION	DATE
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REVISION ⚠ XXX	– 201X
REVISION ⚠ XXX	– 201X

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CHECKED BY CR DATE 2016
APPROVED BY TC DATE 2016

SCALES: PLAN & PROFILE
HORIZONTAL 0 5 10 20
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
IRRIGATION PLAN I-10
CONSTRUCTION DETAILS

163

GIAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

IRRIGATION VALVE SCHEDULE

VALVE #	SIZE	TYPE	EMITTERS	GPM	PRECIP RATE
#1	1"	DRIP - WEST SIDE SHRUB	503	18.85	2.25 gal/emit/hr
#2	1"	DRIP - WEST SIDE TREES (19 TREES)	570	8.55	0.9 gal/emit/hr
#3	1"	DRIP - EAST SIDE SHRUB	478	17.19	2.25 gal/emit/hr
#4	1"	DRIP - EAST SIDE TREES (20 TREES)	600	9.0	0.9 gal/emit/hr

	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT
WATER BUDGET SETTINGS	90%	100%	130%	160%	120%	90%	70%

NOTES:
1. THIS CHART PROVIDES WATERING SCHEDULE RECOMMENDATIONS FOR ESTABLISHED PLANTS AND TURF.
2. CONTRACTOR IS OBLIGATED TO MONITOR SOIL MOISTURE TO AVOID SATURATION OR DROUGHT AND ADJUST SCHEDULE ACCORDINGLY DURING ESTABLISHMENT PERIOD.
3. TURF ZONES ARE CALCULATED TO 80% EFFICIENCY, DRIP ZONES TO 95% EFFICIENCY.
4. OPTIMUM PRESSURE FOR ZONES: 45 PSI

IRRIGATION SUMMARY OF APPROXIMATE QUANTITIES

BID ITEM	UNIT	QUANTITY
4 inch Conduit Sleeves, incl. trenching, backfill & compaction	LF	91
6 inch Conduit Sleeves, incl. trenching, backfill & compaction	LF	2,447
Zone Valve Wiring	LF	1,544
Tap into Existing Irrigation System	EACH	1
Drip Emitter, incl 1/4" tubing, fittings, stakes	EACH	981
1/2 Inch Drip Tubing	LF	5,687
Tree Ring Assembly	EACH	39
Riser Assembly to Compression T (not including into tree rings)	EACH	71
Flush Box Assembly	EACH	31
Figure 8 cap	EACH	18
Manual Drain Valve	EACH	1
1 Inch PESB Drip Zone Valve Assembly	EACH	4
Quick Coupler Valve	EACH	1
Isolation Valve	EACH	2
1 inch Class 160 PVC Lateral Piping, including trenching and filling	LF	6,491
1-1/2 inch Class 160 PVC Lateral Piping, including trenching and filling	LF	1,159
1-1/2 inch Class 200 PVC Mainline, including trenching and filling	LF	386

IRRIGATION NOTES:
1. ALL WORK SHALL BE PER EXISTING COUNTY OR STATE CODE AND IS SUBJECT TO INSPECTION AND APPROVAL BY APPROPRIATE INSPECTORS AND THE OWNER'S REPRESENTATIVE.
2. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
3. ALL LATERAL AND MAIN LINES IN SYSTEM WILL BE CONTAINED IN SLEEVES WHEREVER CONCRETE IS TO BE OVERLAID.
4. CONTRACTOR TO CONNECT ZONE VALVE WIRING TO EXISTING CLOCK AT NORTH END OF TRIANGLE PARK, WHERE SHOWN ON DRAWINGS.
5. ALL MAINS SHALL BE BURIED AT A MINIMUM DEPTH OF 24 IN. ALL LATERALS AT A DEPTH OF 18 IN. ALL VALVE WIRING SHALL BE BUNDLED BY TAPING AT 25 FT. INTERVALS AND PLACED BELOW IRRIGATION PIPING FOR PROTECTION.
6. CONTRACTOR TO INSTALL MANUAL DRAIN VALVES AT LOW POINT ON ALL MAIN LINES.
7. SEE SHEET I-10 FOR DETAILS AND SHEET I-11 FOR SHEET NOTES AND VALVE SCHEDULE.
8. SYSTEM IS DESIGNED TO OPERATE AT 45 PSI, PROVIDING MINIMUM 15 PSI AT EMITTERS.
9. WHERE IRRIGATION IS TO BE LOCATED ADJACENT TO SIDEWALKS, LATERALS SHALL BE LOCATED 12 INCHES FROM BACK OF WALK.
10. DRIP EMITTERS TO BE NETAFIM PC DRIPPER, 8 L/H (2.25 GPH)
11. PIPE FROM CONTROL VALVE TO FIRST " TEE" TO USE 1/2" LARGER THAN VALVE UNLESS NOTED OTHERWISE
12. PIPE SIZE NOTATION INDICATES MINIMUM PIPE SIZE DOWNSTREAM FROM THAT POINT.

CIAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

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APPROVED BY TC DATE 2016

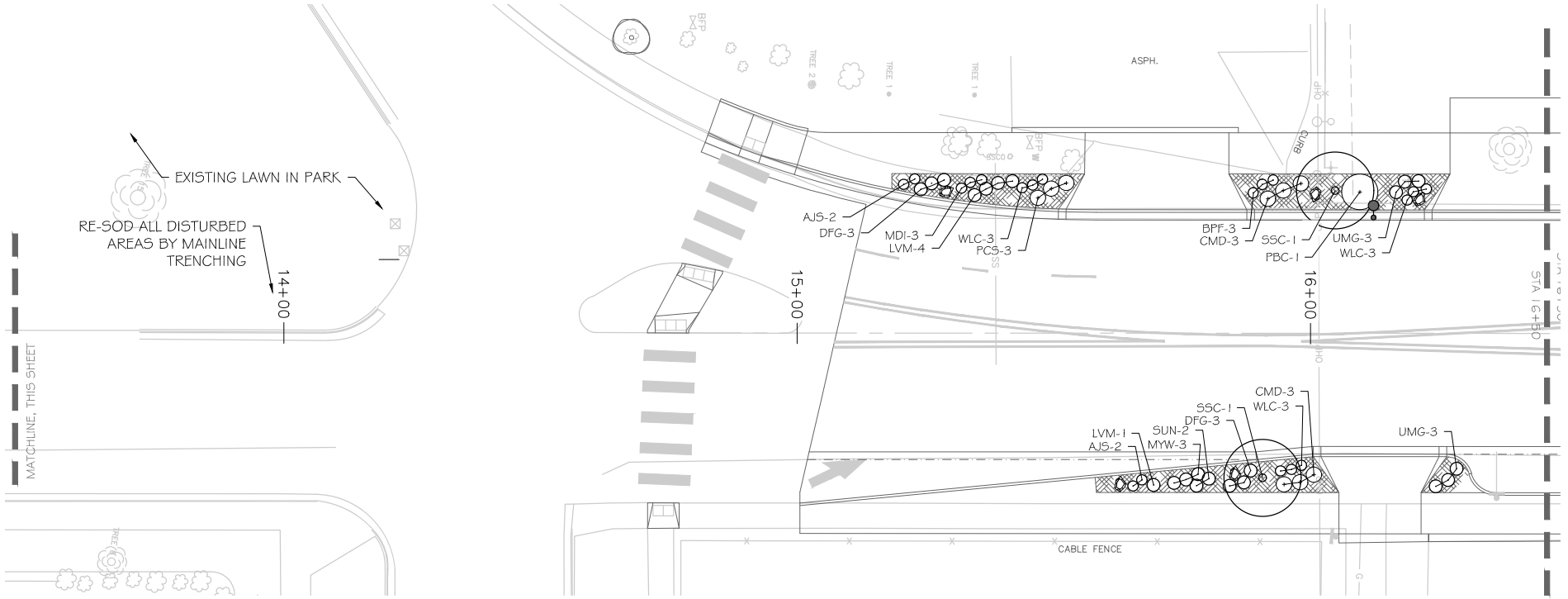
SCALES:
PLAN & PROFILE
HORIZONTAL 0 20
VERTICAL 0

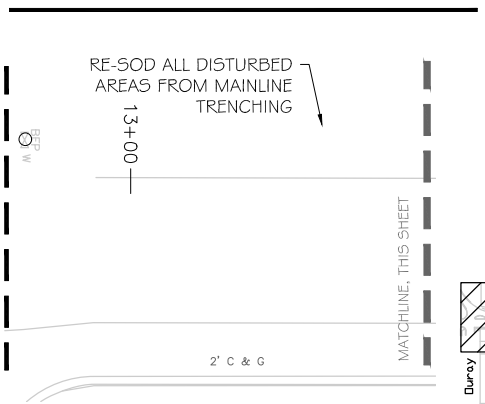
CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
IRRIGATION PLAN I-11
IRRIGATION NOTES

PROJECT NO. 201-F1501





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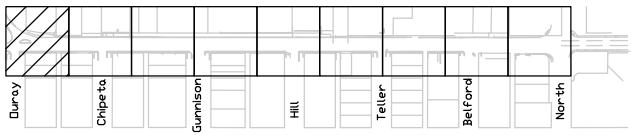

KEYMAP

LANDSCAPE LEGEND

- DECIDUOUS SHRUBS
- EVERGREEN SHRUBS
- PERENNIALS
- SHRUB BED
- BOULDERS, 2'X3'X3', TAN GRANITE
- EXISTING LIGHT POLE
- PROJECTED STREET LIGHT LOCATION
- SHADE TREE
- ORNAMENTAL TREE
- EXISTING TREE

GIAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

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CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
LANDSCAPE PLAN L-1
STA 12+80 TO STA 16+50

165

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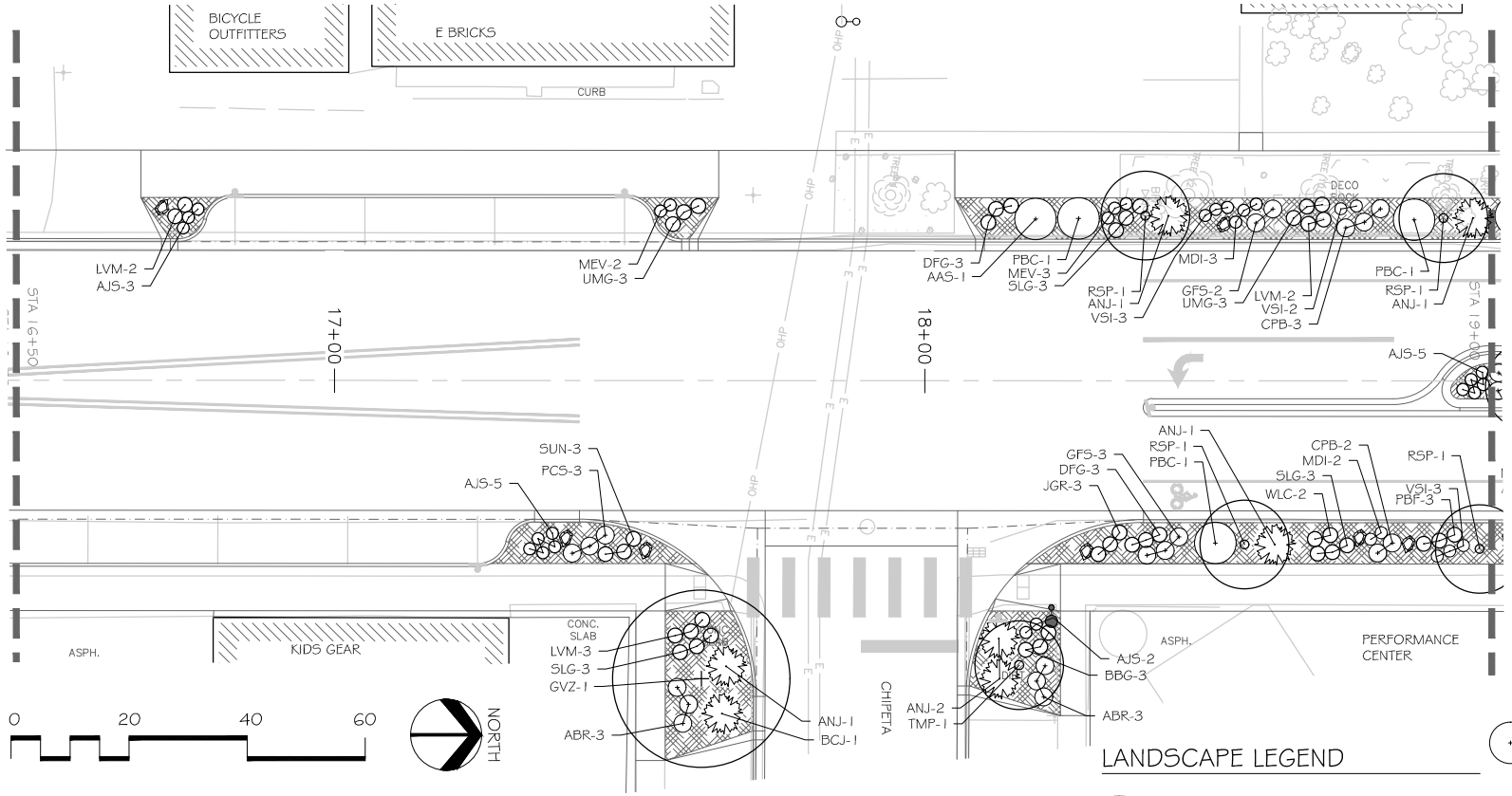

LANDSCAPE LEGEND

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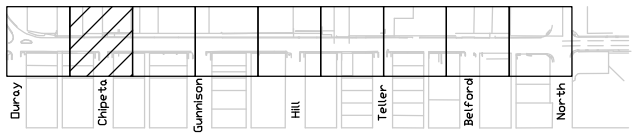

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VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
LANDSCAPE PLAN L-2
STA 16+50 TO STA 19+00

166

DAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

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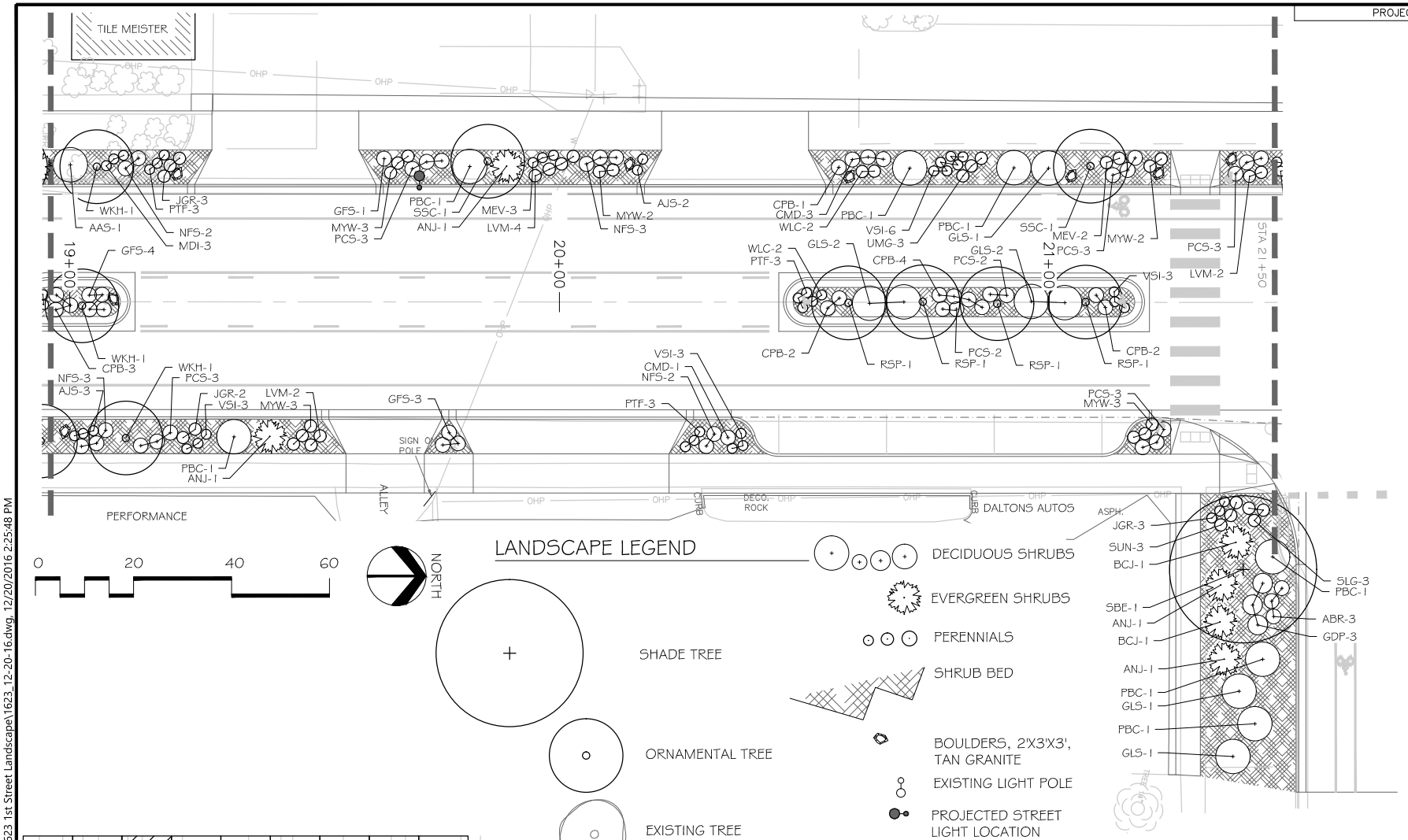

0 20 40 60

NORTH

LANDSCAPE LEGEND

- DECIDUOUS SHRUBS
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- PROJECTED STREET LIGHT LOCATION

KEYMAP

DAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

DESCRIPTION	DATE
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VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
LANDSCAPE PLAN L-3
STA 19+00 TO STA 21+50

167

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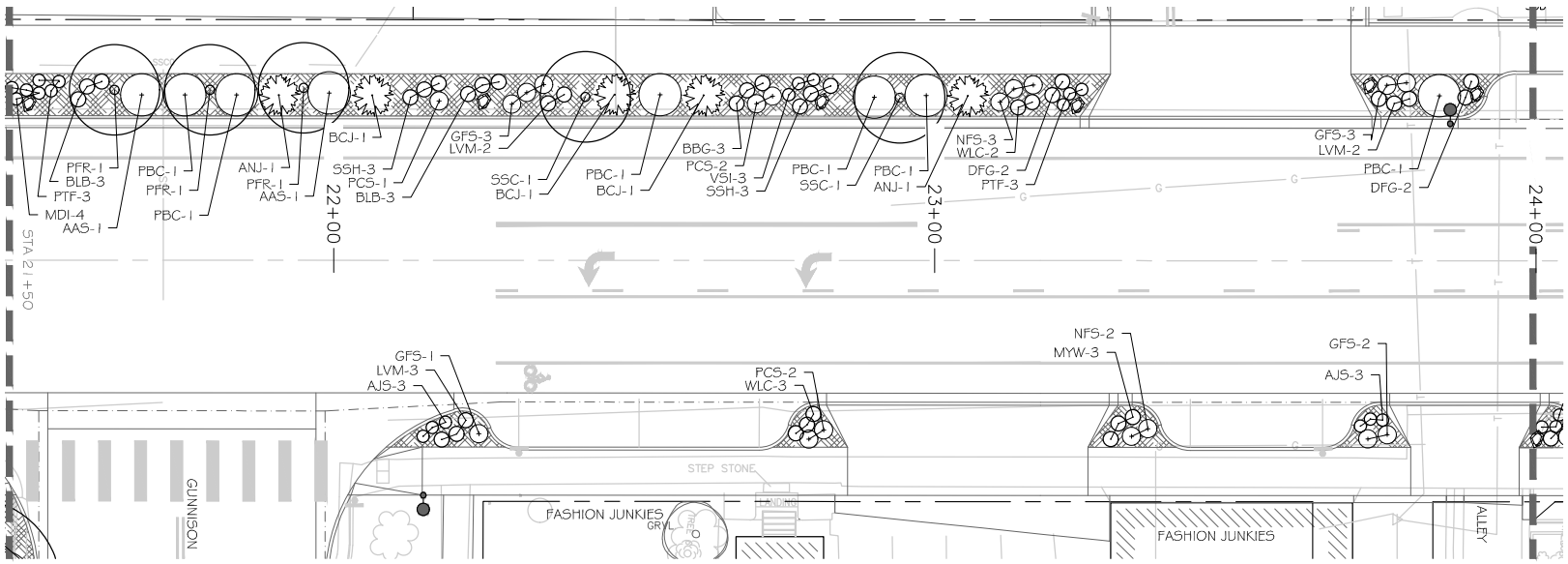

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A L-4 DECORATIVE BOULDER PLACEMENT (TYP)

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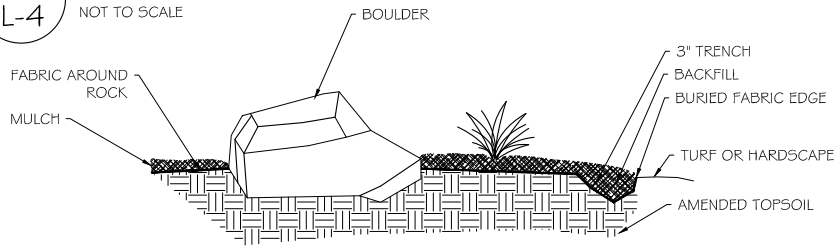

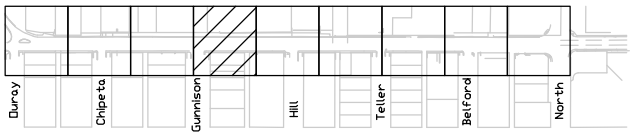

KEYMAP

LANDSCAPE LEGEND

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GIAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

DESCRIPTION	DATE
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APPROVED BY TC DATE 2016

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CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
LANDSCAPE PLAN L-4
STA 21+50 TO STA 24+00

168

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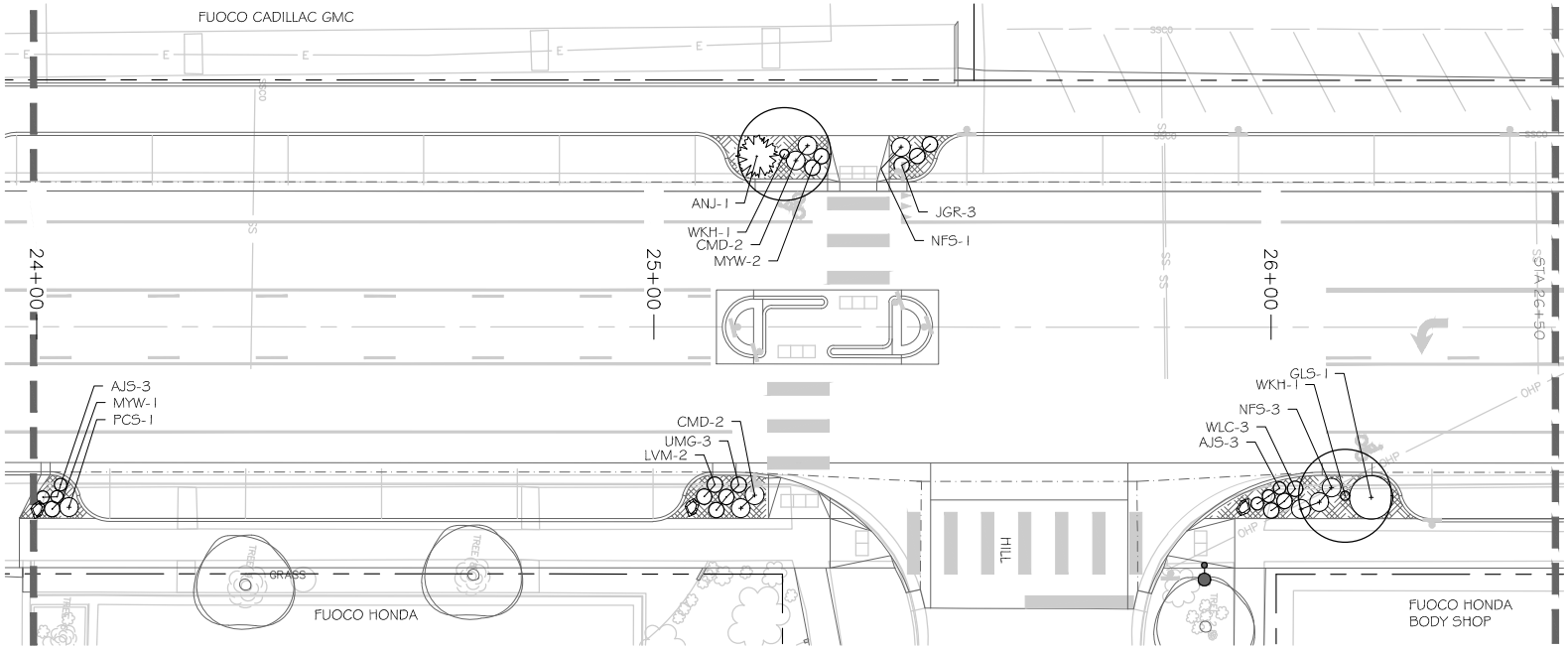

A
L-9

SHRUB BED DETAIL

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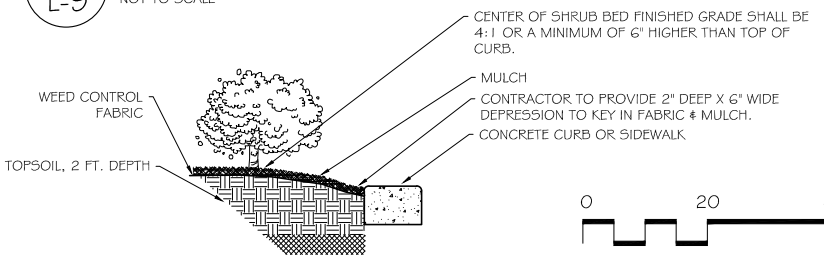
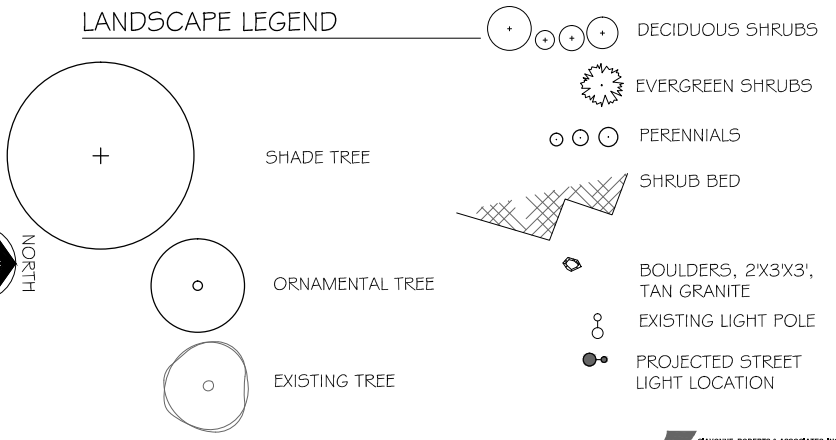


LANDSCAPE LEGEND



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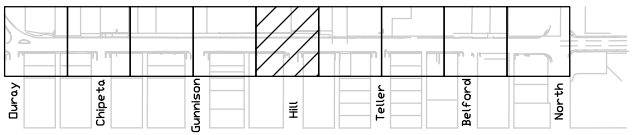
NORTH



KEYMAP

DAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

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CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
LANDSCAPE PLAN L-5
STA 24+00 TO STA 26+50

169

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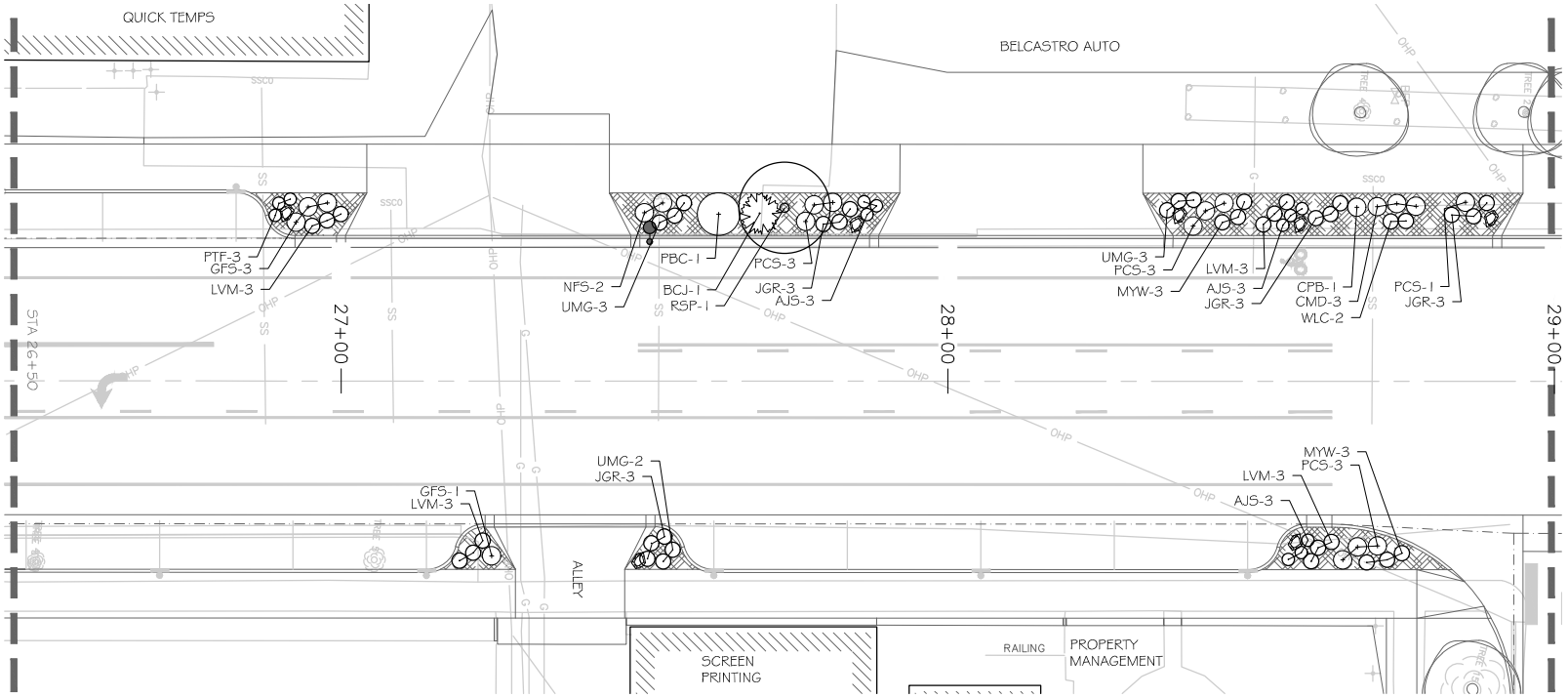

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NORTH

LANDSCAPE LEGEND

- DECIDUOUS SHRUBS
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- SHADE TREE
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- EXISTING LIGHT POLE
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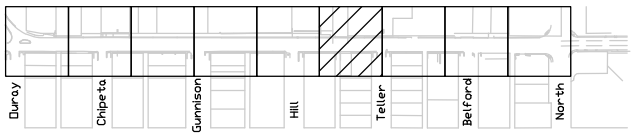

KEYMAP

DAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

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APPROVED BY TC DATE 2016

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HORIZONTAL 0 5 10 20
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
LANDSCAPE PLAN L-6
STA 26+50 TO STA 29+00

170

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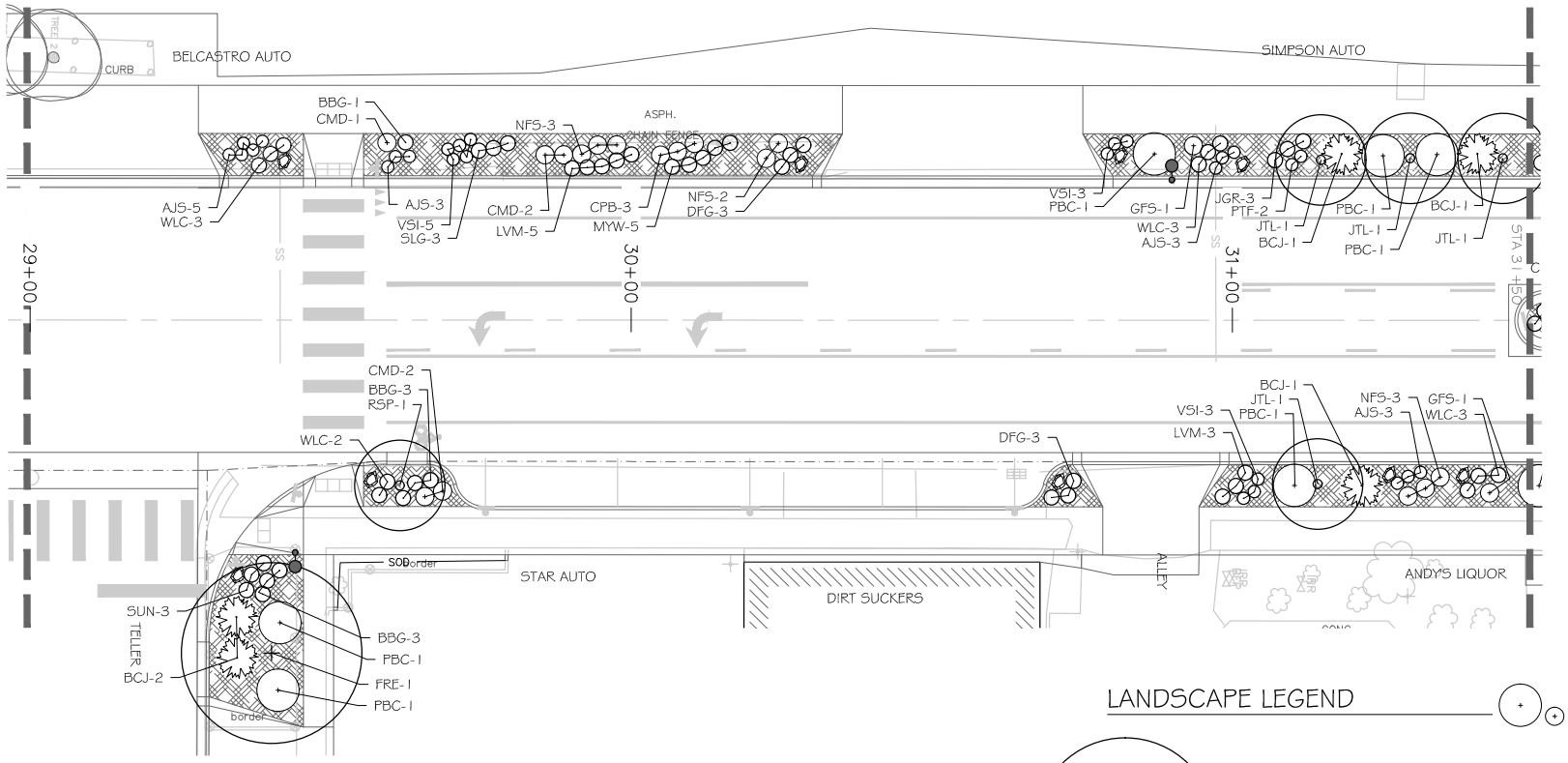

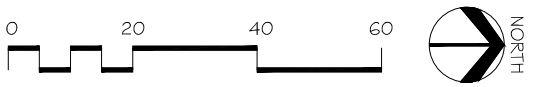

LANDSCAPE LEGEND

- DECIDUOUS SHRUBS
- EVERGREEN SHRUBS
- PERENNIALS
- SHRUB BED
- SHADE TREE
- ORNAMENTAL TREE
- EXISTING TREE
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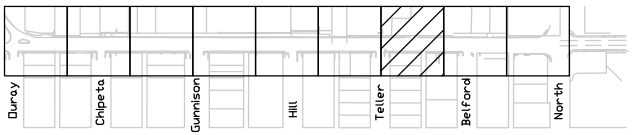
- EXISTING LIGHT POLE
- PROJECTED STREET LIGHT LOCATION



KEYMAP

DAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

DESCRIPTION	DATE
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DRAWN BY MH DATE 2016
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APPROVED BY TC DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 10 20
VERTICAL 0 NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
LANDSCAPE PLAN L-7
STA 29+00 TO STA 31+50

171

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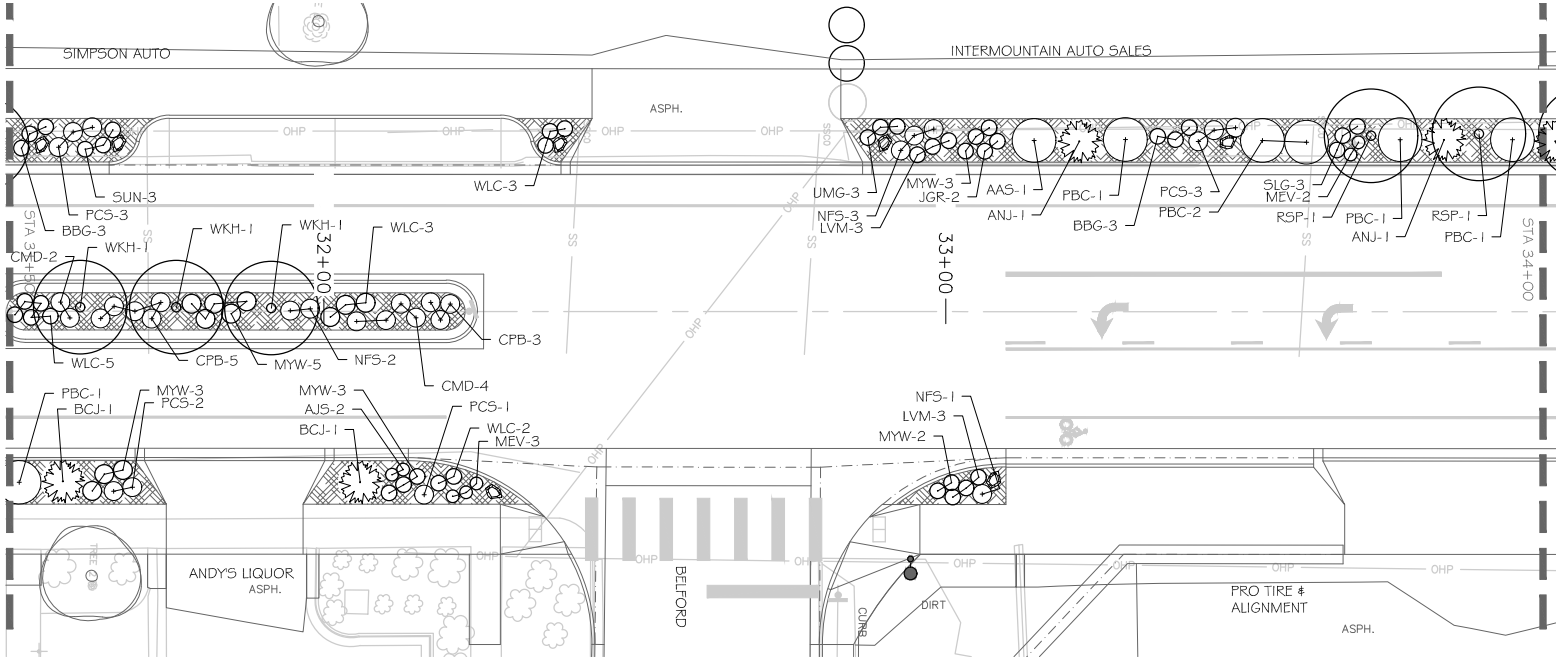
PROJECT NO. 201-F1501



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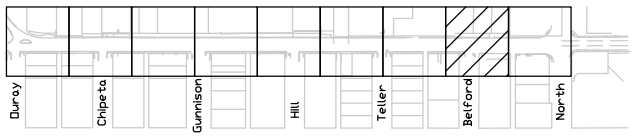
NORTH

LANDSCAPE LEGEND

- DECIDUOUS SHRUBS
- EVERGREEN SHRUBS
- PERENNIALS
- SHRUB BED
- SHADE TREE
- ORNAMENTAL TREE
- EXISTING TREE
- BOULDERS, 2'X3'X3', TAN GRANITE
- EXISTING LIGHT POLE
- PROJECTED STREET LIGHT LOCATION



KEYMAP

GIAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

DESCRIPTION	DATE
REVISION 1 XXX	– 201X
REVISION 2 XXX	– 201X
REVISION 3 XXX	– 201X
REVISION 4 XXX	– 201X

DRAWN BY MH DATE 2016
DESIGNED BY MH DATE 2016
CHECKED BY CR DATE 2016
APPROVED BY TC DATE 2016

SCALES:
PLAN & PROFILE
HORIZONTAL 0 5 10 20
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS
AND UTILITIES
ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
LANDSCAPE PLAN L-8
STA 31+50 TO STA 34+00

172

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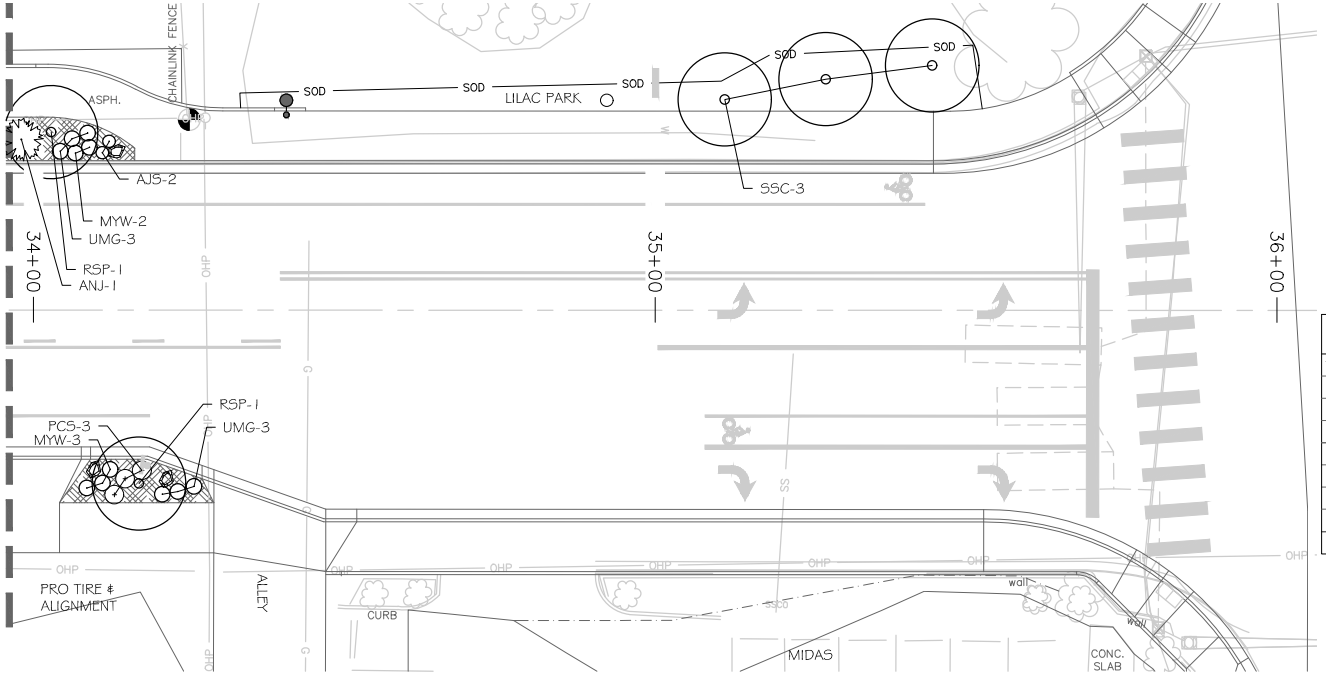
PROJECT NO. 201-F1501



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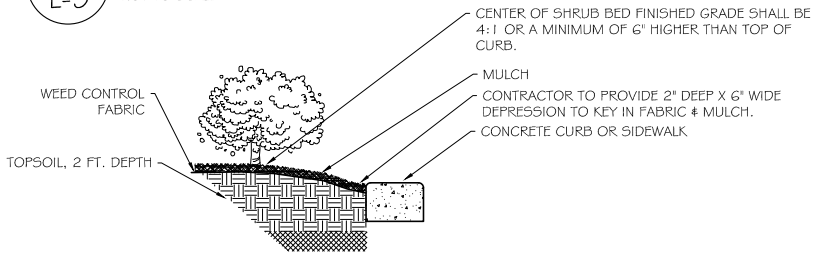
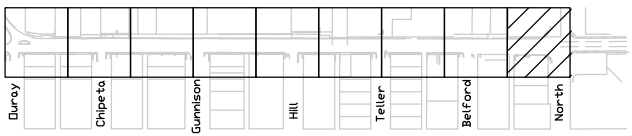
NORTH

LANDSCAPE SUMMARY OF APPROXIMATE QUANTITIES

BID ITEM	UNIT	QUANTITY
Topsoil, 12" depth, placed	CY	498
Soil Preparation for All Landscape Areas	SF	13,423
2" Canopy Trees	EACH	3
1-1/2" Ornamental Trees	EACH	39
5 gallon Deciduous Shrubs	EACH	228
5 Gallon Evergreen Shrubs	EACH	30
Perennials	EACH	465
Rock Mulch and Weed Fabric	SF	13,423
Boulders	EACH	55

A / L-9 SHRUB BED DETAIL
NOT TO SCALE





KEYMAP

LANDSCAPE LEGEND

SHADE TREE

ORNAMENTAL TREE

EXISTING TREE

DECIDUOUS SHRUBS

EVERGREEN SHRUBS

PERENNIALS

SHRUB BED

BOULDERS, 2'X3'X3', TAN GRANITE

EXISTING LIGHT POLE

PROJECTED STREET LIGHT LOCATION

DAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

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PLAN & PROFILE
HORIZONTAL 0 5 10 20
VERTICAL 0 NA NA NA

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
LANDSCAPE PLAN L-9
STA 34+00 TO STA 36+50

173

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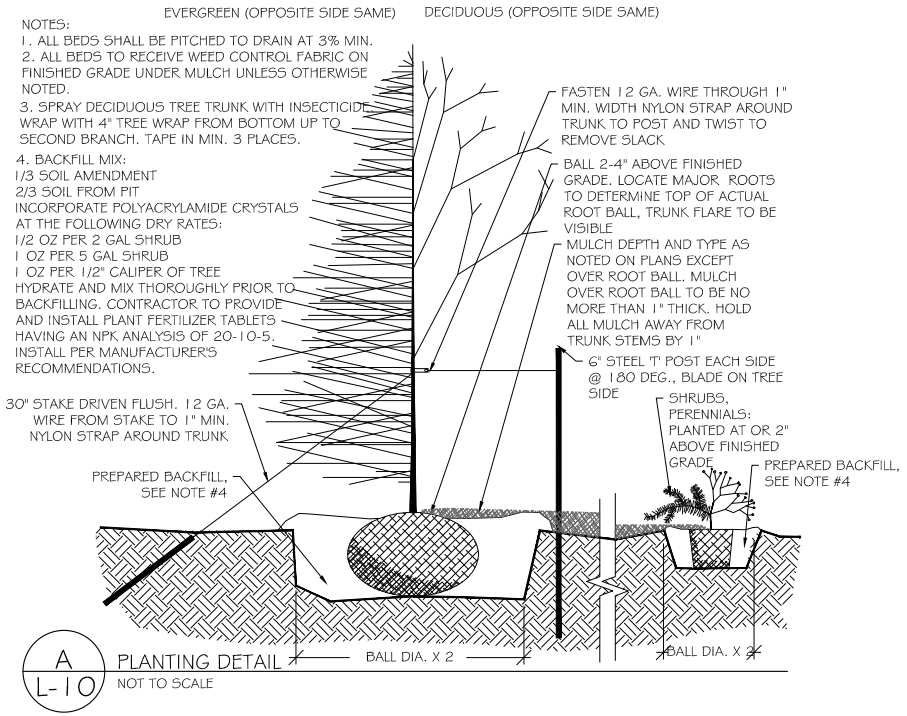

A L-10 PLANTING DETAIL
NOT TO SCALE

PLANTING NOTES

1. CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. ALL LANDSCAPING AND IRRIGATION TO CONFORM TO CURRENT ASSOCIATED LANDSCAPE CONTRACTORS OF COLORADO STANDARDS AND SPECIFICATIONS.
3. EQUAL PART MIXTURE OF ROUND-UP AND 2-4-D DILUTED AS PER MANUFACTURER'S RECOMMENDATIONS SHALL BE APPLIED TO ALL ACTIVELY GROWING WEEDS TWO WEEKS PRIOR TO ANY OPERATIONS.
4. ALL SHRUB BEDS TO RECEIVE SOIL AMENDMENT. SHRUB BEDS TO RECEIVE 3 INCH DEPTH OF MULCH.
5. EXCAVATE AREAS TO BE PLANTED (AS PER DRAWINGS) TO A SUFFICIENT DEPTH TO RECEIVE TOPSOIL, AND TO REMOVE UNSATISFACTORY MATERIAL (INCLUDING ROAD BASE, ASPHALT, CONCRETE AND TRASH) AND REMOVE FROM SITE. ALL LANDSCAPE AREAS TO RECEIVE 2 FEET MINIMUM OF SPECIFIED TOPSOIL. SCARIFY ALL AREAS TO RECEIVE TOP SOIL TO A DEPTH OF 6".
6. SOIL AMENDMENT IS TO CONSIST OF 50% GROUND WELL-AGED MANURE, 50% FINELY GROUND AND AGED WOOD CHIPS. AMENDMENT IS TO BE INCORPORATED INTO PLANTING PITS AT THE RATE SHOWN ON PLANTING DETAIL.
7. CONTRACTOR SHALL BACKFILL EXCAVATED SHRUB BEDS WITH SPECIFIED TOPSOIL.
8. SOIL IS TO BE COMPACTED TO 85% MODIFIED PROCTOR (WHEEL ROLL) TO MINIMIZE SETTLING. BEDS ARE TO BE FILLED TO A DEPTH OF 6" ABOVE ADJACENT EDGE OF CURB, SHAPED TO FORM MOUNDED PLANTING AREA. SHRUB BED TO BE FINISHED WITH A 4:1 SLOPE FROM 2" BELOW ADJACENT CONCRETE TO FINISH GRADE.
9. NO WEED FABRIC IS TO BE USED ON THIS PROJECT.
10. PERENNIALS, SHRUBS AND TREES ARE TO SPACED AS SCALED FROM THE PLANTING PLAN.
11. MULCH FOR SHRUB BEDS SHALL BE 1/2" TAN GRANITE. MULCH SHALL BE FREE OF TRASH, STICKS, ROOTS OR OTHER DEBRIS.
12. SEE CONSTRUCTION DETAILS ON SHEETS L-4, L-9 & L-10.
13. CONTRACTOR IS TO GUARANTEE ALL PLANT MATERIALS FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF WORK.

PLANT LIST

		Common Name	Scientific Name	Size	Mature Height
Deciduous Trees					
1	FRE	Frontier Elm	Ulmus x Frontier	2-1/2"	25-35'
1	GVZ	Green Vase Zelkova	Zelkova serrata 'Green Vase'	2-1/2"	40-60'
4	JTL	Japanese Tree Lilac	Syringa reticulata 'Ivory Silk'	2"	15-18'
3	PFR	Prairiefire Crabapple	Malus Sp. 'Prairiefire'	1-1/2"	15-20'
14	RSP	Redspire Pear	Pyrus calleryana 'Redspire'	2"	30-35'
1	SBE	Sensation Box Elder	Acer negundo 'Sensation'	2"	25-40'
9	SSC	Spring Snow Crabapple	Malus 'Spring Snow'	2"	15-20'
1	TMP	Tatarian Maple	Acer tataricum 'Hot Wings'	1-1/2"	12-17'
8	WKH	Winter King Hawthorn	Crataegus viridis 'Winter King'	1-1/2"	15-20'
Deciduous Shrubs					
5	AAS	Autumn Amber Sumac	Rhus trilobata 'Autumn Amber'	5 gal	1-2'
9	ABR	Appleblossom Carpet Rose	Rosa x Flower Carpet 'Noamel'	2 gal	2-3'
28	CMD	Carol Mackie Daphne	Daphne x burkwoodii 'Carol Mackie'	2 gal	2-3'
29	CPB	Crimson Pygmy Barberry	Berberis thunbergii 'Atropurpurea Nana'	5 gal	1.5-3'
3	GDP	Gold Drop Potentilla	Potentilla fruticosa 'Gold Finger'	5 gal	2-3'
28	GFS	Gold Flame Spiraea	Spiraea bumalda 'Gold Flame'	5 gal	1.5-3'
8	GLS	Gro-low Sumac	Rhus aromatica 'Gro-Low'	5 gal	1.5-2.5'
35	NFS	Neon Flash Spirea	Spiraea japonica 'Neon Flash'	5 gal	2-3'
30	PBC	Pawnee Buttes Sand Cherry	Prunus besseyi 'Pawnee Buttes'	5 gal	1-2'
53	PCS	Powis Castle Sage	Artemisia 'Powis Castle'	2 gal	2-3'
Evergreen Shrubs					
16	ANJ	Andorra Juniper	Juniperus horizontalis 'Andorra'	5 gal	1-1.5'
14	BCJ	Blue Chip Juniper	Juniperus horizontalis 'Blue Chip'	5 gal	.5-1'
Perennials/Ground Covers					
63	AJS	Autumn Joy Sedum	Sedum spectabile 'Autumn Joy'	1 gal	.5-1.5'
19	BBG	Blond Ambition Blue Grama Grass	Bouteloua gracilis 'Blond Ambition'	1 gal	2-3'
6	BLB	Blaze Little Bluestem Grass	Schizachyrium scoparium 'Blaze'	1 gal	3-4'
3	BPF	Blue Pincushion Flower	Scabiosa 'Blue Butterfly'	1 gal	1-2'
22	DFG	Dwarf Fountain Grass	Pennisetum alopecuroides 'Hameln'	1 gal	1.5-3'
31	JGR	Johnson's Blue Geranium	Geranium x himalayense 'Johnson's Blue'	1 gal	1-1.5'
55	LVM	Munstead Lavender	Lavendula 'Munstead'	1 gal	1-2.5'
15	MDI	Magenta Dianthus	Dianthus deltoides "Whatfield magenta"	1 gal	0.5-1'
15	MEV	Missouri Evening Primrose	Oenothera missouriensis	1 gal	0.5-1'
54	MYW	Moonshine Yarrow	Achillea millefolium 'Moonshine'	1 gal	1-2.5'
3	PBF	Pink Whirling Butterflies	Gaura lindheimeri 'Siskiyou Pink'	1 gal	2-3'
20	PTF	Partridge Feather	Tanacetum densum ssp. amani	1 gal	0.5-1'
18	SLG	Sand Love Grass	Eragrostis trichodes	1 gal	2-4'
6	SSH	Sonoran Sunset Hyssop	Agastache cana 'Sonoran Sunset'	1 gal	1.5-3'
14	SUN	Sunset Hyssop	Agastache rupestris	1 gal	1.5-3'
35	UMG	Undaunted Ruby Muhly Grass	Muhlenbergia reverchonii 'Undaunted'	1 gal	2-3'
37	VSI	Variegated Sweet Iris	Iris pallida 'Variegata'	1 gal	1.5-2.5'
49	WLC	Walker's Low Catmint	Nepeta x Walker's Low	1 gal	1.5-2'

NOTES:
1. PLANT GROWTH CHARACTERISTICS VARY DUE TO ENVIRONMENTAL CONDITIONS, THEREFORE A RANGE OF AVERAGE MATURE HEIGHTS ARE INDICATED.
2. ALL LANDSCAPE AREAS TO BE WATERED WITH AN UNDERGROUND, PRESSURIZED IRRIGATION SYSTEM.

GIAVONNE, ROBERTS & ASSOCIATES, INC.
LAND PLANNING AND LANDSCAPE ARCHITECTURE

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CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

1ST STREET RECONSTRUCTION
LANDSCAPE PLAN L-10
PLANTING DETAILS LISTS AND NOTES