Purchasing Division

ADDENDUM NO. 1

DATE: **August 27, 2015**
FROM: **City of Grand Junction Purchasing Division**
TO: **All Offerors**
RE: **IFB-4093-15-DH G Road – Phase II Improvements Project**

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to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.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. Q. Will alternate pipe material be accepted or considered for the 54" & 60" pipe? Specifically, will large diameter, smooth interior and exterior wall, engineered profile wall HDPE pipe manufactured to the ASTM – F894 specification and suitable for highway loading be accepted?

   A. No. The specifications for this product shall not be changed for this project.

2. The City shall provide Quality Assurance materials testing on the project, and the Contractor shall provide for all Quality Control materials testing.

3. See attached updated drawings for C-3, C-7, C-8, C-9, and C-10

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

All other conditions of subject remain the same.

Respectfully,

Duane Hoff Jr., Senior Buyer
City of Grand Junction, Colorado

GENERAL CONSTRUCTION NOTES

1. Locations of existing utilities shown on these plans are approximate only. Contractor is to contact affected utility for specific locations before digging.

2. The Contractor shall notify the engineer if unanticipated conditions area encountered during completion of the work which require modifications to the contract drawings. The engineer can be reached at 970–242–7540.

3. Contractor shall give 48–hour notice to all authorized inspectors, superintendents, or person in charge of public and private utilities affected by his operations prior commencement of work. Contractor shall assure himself that all construction permits are current.

4. Contractor shall confine his construction operations to the right–of–way, easements, and lots, as shown on plans and plat. Any damage to private facilities outside these limits shall be repaired by the Contractor at no expense to the Owner.

5. All construction, related work, materials, performance and quality of work provided shall conform to the requirements of the City of Grand Junction Standard Specifications for Capital Improvements Construction and the applicable sections of the most current edition of the Division of Highways, State of Colorado Standard Specifications for Road and Bridge Construction, Colorado Standard Plans, Division of Highways M & S Standards.

6. Contractor shall familiarize himself with the geotechnical testing requirements of the City of Grand Junction. The results of the required types of tests and numbers of passing tests shall be furnished to the Engineer for verification before final acceptance by the Owner will be granted. All failing tests shall be brought to the immediate attention of the Engineer and retests shall be performed until passing results are obtained. All utility lines, including service lines falling shall be tested.

7. All earthwork operations shall be completed in accordance with the recommendations and requirements of the geotechnical report prepared by Huddleston Berry Titled: Pavement Section Alternatives G Road – Grand Junction, Colorado", dated July 18,2013.

8. Only materials on which a proctor test can be performed and accurate nuclear density tests can be run are approved for utility trench back fill unless otherwise approved by the Engineer.

9. The contractor shall provide red–lined as–constructed drawings prepared by a licensed Colorado Surveyor for storm sewer alignment and vertical grade verification prior to placement of any roadbase material.

10. The contractor shall provide red–lined as–constructed drawings prepared by a licensed Colorado Surveyor for concrete curb/gutter alignment and vertical grade verification prior to placement of any asphalt pavement.

11. In the event of a descrepancy between the construction notes contained herein and the notes and details in the City of Grand Junction Standard Contract Documents for Capital Improvements Construction manual, the City's manual shall control.

12. The contractor shall provide traffic control plans for the City's approval prior to completing any work in the right–of–way.

13. Contractor to protect existing utilities and appurtenances. Manholes, drainage inlets, utility lines, etc., damaged, covered, or filled with dirt or debris by the Contractor shall be cleaned and repaired at no expense to the Owner.

15. All concrete pavement in the bus stop areas subject to vehicle traffic shall be 8–inches thick, CDOT Class P and include #4 rebar at 12–inches on center, unless otherwise noted.

14. All concrete shall have a minimum of 6" Class VI ABC, unless otherwise noted.

15, Dowel bars shall be placed at all concrete construction or cold joint locations.

16. Curb, gutter, and drainage pans are to have expansion joints at each change in horizontal alignment of curb and gutter, but in no case at a greater distance apart than 100 feet. Locate dummy grooved joints between expansion joints at intervals not exceeding 10 feet. Where length of pour precludes 10 foot intervals, the end sections may be less then 10 feet but not less than 5 feet.

17. All handicap ramps shall be cast–iron truncated dome type unless otherwise approved by the Engineer.

18. Earth backfill material shall be non–expansive, free from muck, large rocks, frozen lumps, ashes, trash, vegetation and other debris.

PAVING CONSTRUCTION NOTES

1. All road widths and radii are to flow line or edge of pavement unless noted otherwise. Any "spot" design elevations are to flow line of curb and gutter unless otherwise noted.

2. Prior to pavement placement, the pavement prism should be stripped of all unsuitable materials. The subgrade soils shall be scarified to a depth of 12–inches, moisture conditioned, and recompacted to a minimum of 95% of the standard Proctor maximum dry density, within ±2% of optimum moisture as determined by AASHTO T–99.

3. All existing asphalt pavement areas where new pavement will be placed shall be milled a minimum of 2" deep for a 2–ft width, unless otherwise noted.

4. Asphalt pavement mix shall be Grade SX, PG 64–22, 75 gyration unless otherwise noted.

5. Asphalt pavement section shall be 6–inch HMA (3 lifts of 2–inches) over 6–inch CDOT Class VI over 15–inches of Class III / Pit Run material.

WATER LINE CONSTRUCTION

1. The contractor may need to relocate an 8–inch water main where it crosses the storm sewer near 23–1/2 Road.

2. All water line and water service construction shall be constructed in accordance with the Ute Water District Standards and Specifications.

3. Contractor shall notify the Ute Water Conservancy 24 hours prior to the beginning of construction of any water line related work.

4. Minimum cover required over top of new waterlines is 4'–6".

5. All water mains to be DR–18 PVC, conforming to AWWA C–900.

6. Ductile Iron fittings to conform to AWWA C–110.

7. All materials labor and equipment required for testing and disinfection of water lines shall be furnished by Contractor. Disinfection of water lines shall conform to AWWA C–651–86 or latest revision thereof.

8. All pipe bends/angle points, both horizontal and vertical, as called for on the plans are to be thrust blocked per Ute Water Conservancy District details and Technical Specifications.

9. All Ute Water Mains are to be bedded per City of Grand Junction Standards.

STORM SEWER CONSTRUCTION NOTES

1. All storm sewer line construction shall be in accordance with the City of Grand Junction Standards and Specifications.

2. All Reinforced Concrete storm sewer pipe shall conform to ASTM Standard Specifications, C–76, Class III unless otherwise noted.

3. All High Density Polyethylene (HDPE) pipe and fittings shall be watertight ADS N–12 WT or equal and shall conform to the following:
12 inch to 36 inch shall meet ASSHTO M294
42 inch to 48 inch shall meet ASSHTO MP6

4. Storm / Irrigation waste ditch lines 24–inches and smaller placed in the Canning Factory Drain and/or 23–1/2 Road Drain shall be Class III reinforced concrete pipe installed without pipe gaskets, unless otherwise noted.

5. Storm sewer pipe used for the Canning Factory & 23–1/2 Road Drains shall include 2–ft of 1–1/2" rock stabilization below the pipe and continue to a minimum of 6–inches above the top of the pipe. A Class A geofabric wrap along the bottom, south, and top of 1–1/2" rock bedding.

6. Class III Pit Run trench backfill material shall be used in all storm sewer locations located under asphalt pavement or concrete.

FUGITIVE DUST CONTROL PLAN

1. Before clearing/grubbing areas within the project, the surface is to be pre–wet to control dust.

2. Any stockpiles of stripping materials are to be periodically sprayed with water or a crusting agent to stabilize potentially wind blown material.

3. Haul road both into and around the site are to be sprayed as needed to suppress dust.

4. Trucks hauling import fill are to be tarped to aid in the control of airborne dust.

Bid Schedule: G Road - Phase II Improvements Project

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	201	Clearing and Grubbing	1.	Lump Sum	$ _____	$ _____
2	201	Clearing and Grubbing (3-ft deep to remove tree roots on southside of G Road)	1.	Lump Sum	$ _____	$ _____
3	202	Removal of Asphalt Mat (Full-Depth)	323.	Sq. Yd.	$ _____	$ _____
4	202	Removal of Asphalt Mat (Planing) (2-ft wide x 2-Inch deep)	353.	Sq. Yd.	$ _____	$ _____
5	202	Removal of Pavement Marking	1.	Lump Sum	$ _____	$ _____
6	202	Removal of Curb and Gutter	110.	Lin. Ft.	$ _____	$ _____
7	202	Removal of Pipe (Various Sizes)	506.	Lin. Ft.	$ _____	$ _____
8	202	Removal of End Section (54" RCP) (Return to City Shops)	1.	Each	$ _____	$ _____
9	210	Reset Ground Sign	5.	Each	$ _____	$ _____
10	102.10/ 108.2	10" Storm Drain Pipe (PVC Sewer Pipe) (Includes Type A Bedding and Haunching Material and Backfill of Trench with Native Materials meeting 103.16 Earth Backfill Material)	10.	Lin. Ft.	$ _____	$ _____
11	102.10/ 108.2	12" Storm Drain Pipe (PVC Sewer Pipe) (Includes Type A Bedding and Haunching Material and Backfill of Trench with Native Materials meeting 103.16 Earth Backfill Material)	45.	Lin. Ft.	$ _____	$ _____
12	102.10/ 108.2	18" Storm Drain Pipe (Class II RCP) (Includes Type A Bedding and Haunching Material and Backfill of Trench with Native Materials meeting 103.16 Earth Backfill Material)	76.	Lin. Ft.	$ _____	$ _____
13	102.10/ 108.2	36" Storm Drain Pipe (Class II RCP) (Includes Type B Bedding and Haunching Material and Backfill of Trench with Native Materials meeting 103.16 Earth Backfill Material) (DO NOT USE GASKETS ON PIPE JOINTS EXCEPT WHERE SPECIFIED)	40.	Lin. Ft.	$ _____	$ _____
14	102.10/ 108.2	54" Storm Drain Pipe (Class II RCP) (Includes Type B Bedding and Haunching Material and Backfill of Trench with Native Materials meeting 103.16 Earth Backfill Material) (DO NOT USE GASKETS ON PIPE JOINTS EXCEPT WHERE SPECIFIED)	359.	Lin. Ft.	$ _____	$ _____
15	102.10/ 108.2	60" Storm Drain Pipe (Class II RCP) (Includes Type B Bedding and Haunching Material and Backfill of Trench with Native Materials meeting 103.16 Earth Backfill Material) (DO NOT USE GASKETS ON PIPE JOINTS EXCEPT WHERE SPECIFIED)	828.	Lin. Ft.	$ _____	$ _____
16	102.11/ 108.2	Connect Existing Pipe to Manhole (Various Size Pipe)	7.	Each	$ _____	$ _____
17	108.2	Water Main (8") (C-900 PVC, DR-18) (Includes cost of connection to existing waterline / valve / fitting)	50.	Lin. Ft.	$ _____	$ _____
18	108.2	Imported Trench Backfill (Class 3) (Includes haul and disposal of unsuitable excavated material) (Assumed Unit Weight = 133 lbs/ft^3)	11,000.	Ton	$ _____	$ _____
19	108.2	36" Culvert End Section (Flared RCP)	1.	Each	$ _____	$ _____
20	108.2	60" Culvert End Section (Flared RCP)	1.	Each	$ _____	$ _____
21	108.3	Elbow (8" x 45 deg)	4.	Each	$ _____	$ _____
22	108.5	CDOT 54" dia. Manhole T-Base	1.	Each	$ _____	$ _____
23	108.5	CDOT 60" dia. Manhole T-Base	4.	Each	$ _____	$ _____
24	108.5	CDOT 5' x 8' Special Manhole Box	1.	Each	$ _____	$ _____
25	108.5	Manhole Barrel Section (D>5') (48" I.D.)	25.	Lin. Ft.	$ _____	$ _____
26	108.6	Single Storm Drain Inlet (Vertical Curb)	1.	Each	$ _____	$ _____
27	108.6	Small Area Inlet w/ Concrete Collar	1.	Each	$ _____	$ _____
28	108.6	Small Area Inlet	1.	Each	$ _____	$ _____
29	108.6	Inlet Box Riser Section (D>5')	6.	Lin. Ft.	$ _____	$ _____
30	108.7	Granular Stabilization Material (Type B) (Crushed Rock) (2-ft Thick) (Includes haul and disposal of unsuitable excavated material) (Assumed material unit weight = 133 lbs/ft^3)	1,200.	Ton	$ _____	$ _____
31	203	Unclassified Excavation (For Roadway Construction) (Stockpile useable material for reuse as trench backfill material or for fill slopes) (Depth varies from 0 to 27 inches)	1,800.	Cu. Yd.	$ _____	$ _____
32	208	Concrete Washout Structure	1.	Each	$ _____	$ _____
33	208	Storm Drain Inlet Protection (CDOT Type II)	3.	Each	$ _____	$ _____
34	208	Sweeping (Sediment Removal)	50.	Hours	$ _____	$ _____
35	208	Temporary Earth Berms	1,200.	Lin. Ft.	$ _____	$ _____
36	209	Dust Abatement	30.	Day	$ _____	$ _____
37	210	Adjust Manhole Rim to Finish Grade	1.	Each	$ _____	$ _____
38	210	Adjust Valve Boxes to Finish Grade	6.	Each	$ _____	$ _____
39	212	Seeding (Native)	0.25	Acre	$ _____	$ _____
40	213	Mulching (Hydraulic)	0.25	Acre	$ _____	$ _____
41	213	Mulch Tackifier	25.	Pound	$ _____	$ _____
42	304	Aggregate Base Course (Class 6) (6" Thick)	2,930.	Sq. Yd.	$ _____	$ _____
43	304	Aggregate Base Course (Class 3) (15" Thick)	2,930.	Sq. Yd.	$ _____	$ _____
44	304	Aggregate Base Course (Class 6) (4" Thick) (Roadway Shoulders)	420.	Sq. Yd.	$ _____	$ _____
45	306	Reconditioning (12" deep)	3,300.	Sq. Yd.	$ _____	$ _____
46	401	Hot Mix Asphalt (6" Thick) (Grading SX) (PG 64-22) (3 Lifts)	2,202.	Sq. Yd.	$ _____	$ _____
47	401	Hot Mix Asphalt (4" Thick) (Grading SX) (PG 64-22) (2 Lifts)	31.	Sq. Yd.	$ _____	$ _____
48	401	Hot Mix Asphalt (2" Thick) (T-Top) (Grading SX) (PG 64-22)	353.	Sq. Yd.	$ _____	$ _____
49	412	Concrete Pavement (8") (Class P) (Includes Steel Reinforcement, #4 bar @ 12" O.C. Eachway)	198.	Sq. Yd.	$ _____	$ _____
50	420	Geotextile (Separator) (Class 2) (Mirafi 140N or Engineer Approved Equal)	4,800.	Sq. Yd.	$ _____	$ _____
51	506	Geogrid Reinforcement (Tensar BX-1200 or Engineer Approved Equal)	1,400.	Sq. Yd.	$ _____	$ _____
52	608.06	Concrete Curb (CDOT Type 2, Section B, 6" wide)	100.	Lin. Ft.	$ _____	$ _____
53	608.06	Concrete Sidewalk (4" Thick) (Includes 6" Thick of Class 6 ABC)	128.	Sq. Yd.	$ _____	$ _____
54	608.06	Concrete Curb and Gutter (2' wide)	410.	Lin. Ft.	$ _____	$ _____
55	608.06	Concrete Curb Ramp	6.	Sq. Yd.	$ _____	$ _____
56	608.06	Detectable Warning (wet set)	64.	Sq. Ft.	$ _____	$ _____
57	608.06	Concrete Drainage Pan (6' wide)	24.	Sq. Yd.	$ _____	$ _____
58	608.06	Concrete Corner Fillet	53.	Sq. Yd.	$ _____	$ _____
59	613	1 Inch Electrical Conduit (Plastic) (Includes 90-degree sweep elbows and pull string)	120.	Lin. Ft.	$ _____	$ _____
60	620	Portable Sanitary Facility	1.	Each	$ _____	$ _____
61	625	Construction Surveying	1.	Lump Sum	$ _____	$ _____
62	626	Mobilization	1.	Lump Sum	$ _____	$ _____
63	627	Epoxy Pavement Marking (Double Yellow Striping, 4" wide) (Dashed and/or Solid)	3,120.	Lin. Ft.	$ _____	$ _____
64	627	Epoxy Pavement Marking (White Edge Striping, 4" wide, Solid)	2,610.	Lin. Ft.	$ _____	$ _____
65	627	Epoxy Pavement Marking (White Channel Line, 8" wide, Solid)	120.	Lin. Ft.	$ _____	$ _____
66	627	Preformed Thermoplastic Pavement Marking (X-walk)	160.	Sq. Ft.	$ _____	$ _____
67	627	Preformed Thermoplastic Pavement Marking (Turn Arrows)	4.	Each	$ _____	$ _____
68	630	Traffic Control Plan	1.	Lump Sum	$ _____	$ _____
69	630	Traffic Control (Complete in Place)	1.	Lump Sum	$ _____	$ _____
70	630	Flaggers	80.	Hours	$ _____	$ _____
71	UU	Bypass Pumping	1.	Lump Sum	$ _____	$ _____
MCR		Minor Contract Revsions	---	---	---	$ 50,000.00

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1	ADDENDUM #1	08-26-15	mra

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AUSTIN CIVIL GROUP, INC
Land Planning • Civil Engineering • Development Services
123 N. 7th Street, Suite 300 • Grand Junction, Colorado 81501
(970) 242-7540

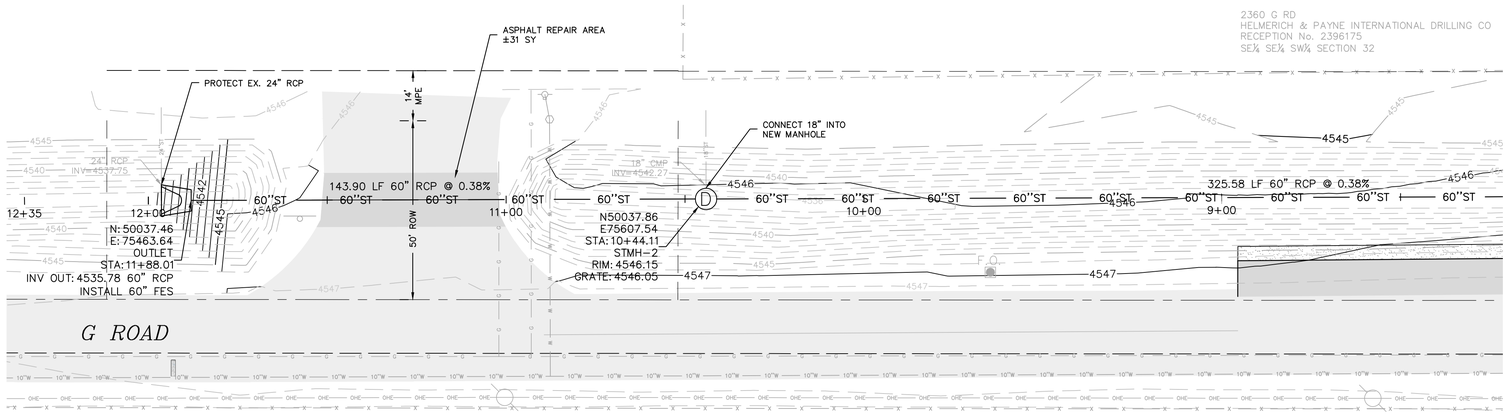
G ROAD – PHASE II

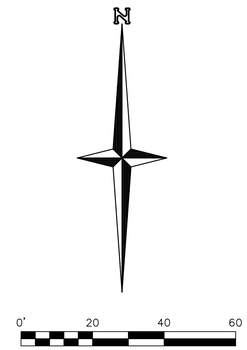
description
GENERAL NOTES AND QUANTITIES

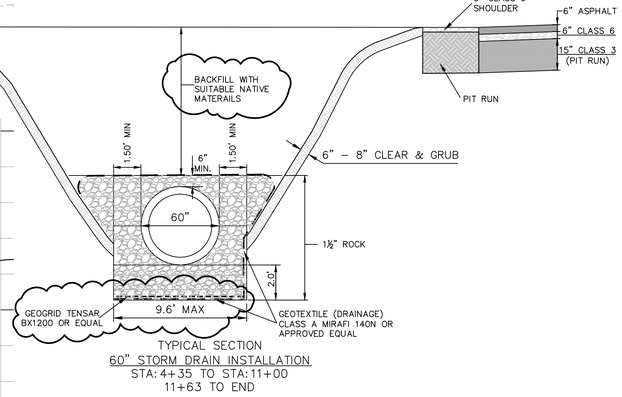
prepared for
CITY OF GRAND JUNCTION

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
LMS	LMS	MRA	MRA

JOB NUMBER: 1024.0004
DATE: 04/20/15
SCALE: NTS
SHEET NO: C-3

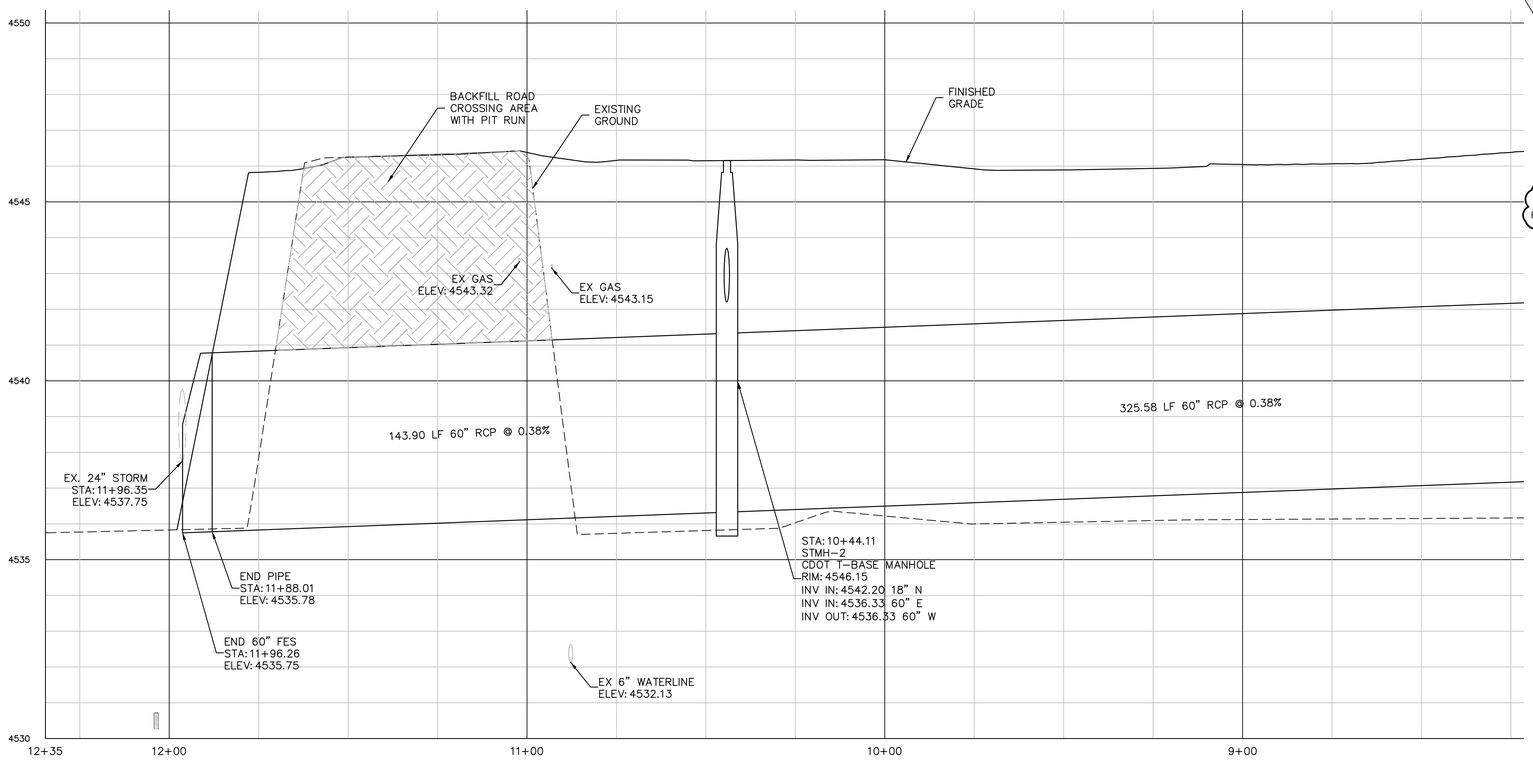






TYPICAL SECTION
60" STORM DRAIN INSTALLATION
STA: 4+35 TO STA: 11+00
11+63 TO END

STA: 11+00 TO STA: 11+63
TO BE BACKFILL WITH PIT RUN



STORM LINE-1
HORIZONTAL: 1"=20', VERTICAL: 1"=2'

COLORADO REGISTERED
MARK A. RINKER
29778
8/24/15
PROFESSIONAL ENGINEER

GRAND VALLEY DRAINAGE DISTRICT
APPROVED FOR CONSTRUCTION FOR ONE YEAR FROM THIS DATE.
BY: _____ DATE: _____
ACCEPTED AS CONSTRUCTED
BY: _____ DATE: _____
CITY OF GRAND JUNCTION ENGINEERING
APPROVED FOR CONSTRUCTION FOR ONE YEAR FROM THIS DATE.
BY: _____ DATE: _____
ACCEPTED AS CONSTRUCTED
BY: _____ DATE: _____

"All details, construction, inspections, and testing shall conform to the City of Grand Junction Standard Contract Documents for Capital Improvements Construction. Contractor shall have a copy of the accepted plans and current City of Grand Junction Standard Documents for Capital Improvements Construction on site and available at all times."

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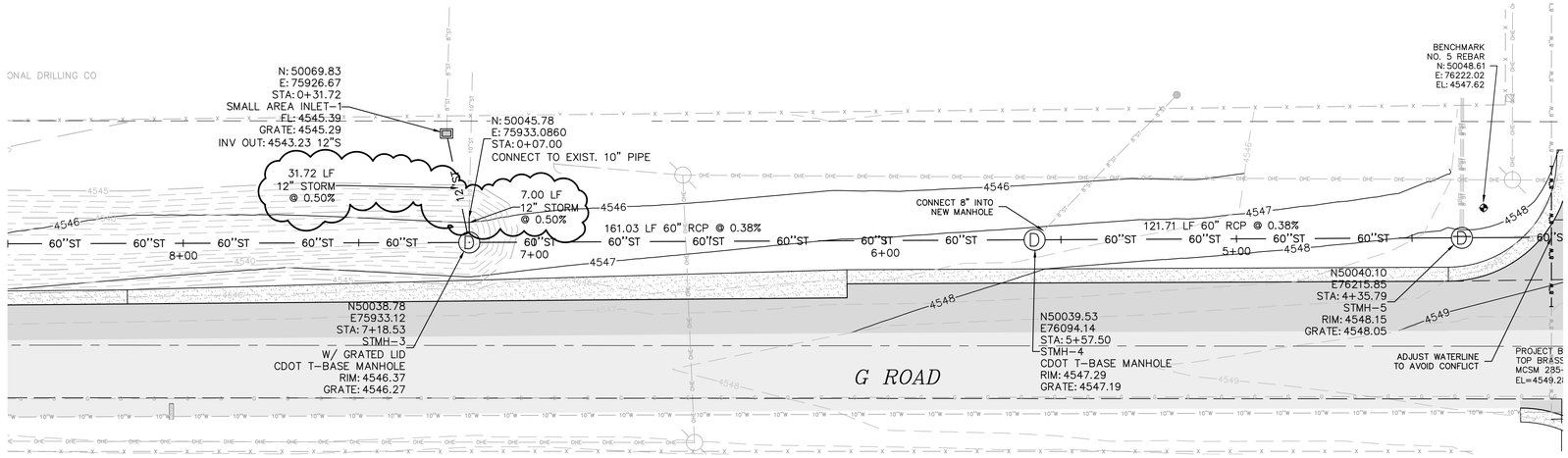
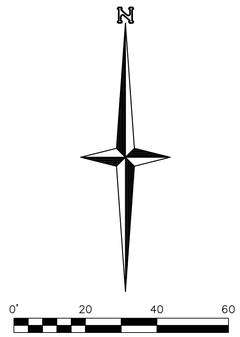
AUSTIN CIVIL GROUP, INC
Land Planning • Civil Engineering • Development Services
123 N. 7th Street, Suite 301 • Grand Junction, Colorado 81501
(970) 242-7540

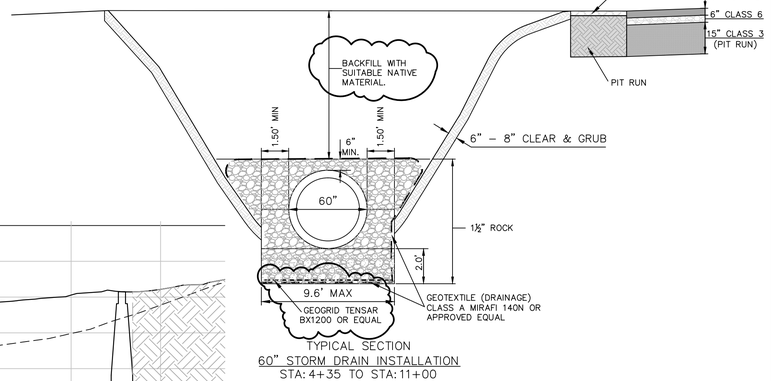
description: G ROAD
STORM SEWER LINE-1
PLAN AND PROFILE
prepared for
CITY OF GRAND JUNCTION

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
LMS	LMS	MRA	MRA

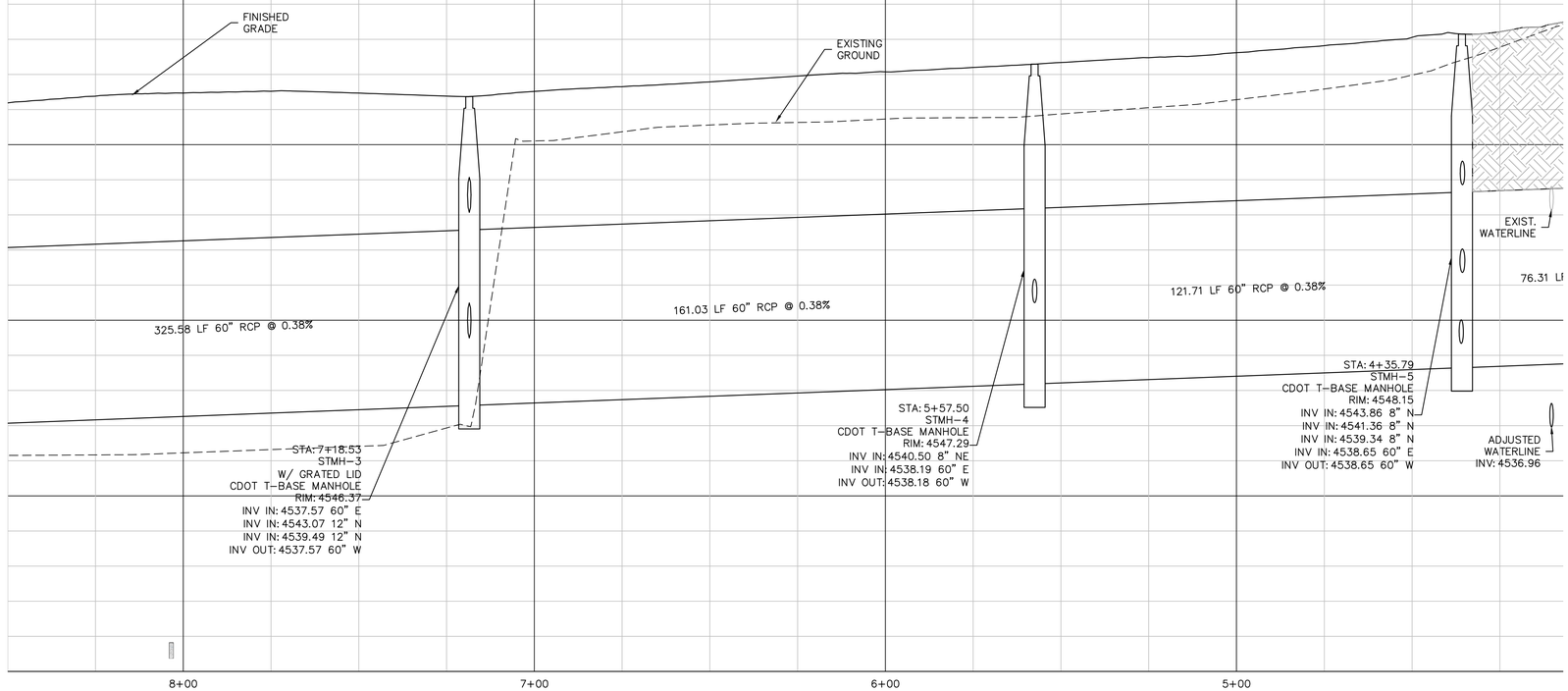
JOB NUMBER: 1024.0004
DATE: 04/20/15
SCALE: 1"= 20'
SHEET NO: C-7







TYPICAL SECTION
60" STORM DRAIN INSTALLATION
STA: 4+35 TO STA: 11+00



STORM LINE–1
HORIZONTAL: 1"=20', VERTICAL: 1"=2'

GRAND VALLEY DRAINAGE DISTRICT
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BY: _____ DATE: _____

COLORADO REGISTERED
MARK R. ALLEN
29779
8/26/15
PROFESSIONAL ENGINEER

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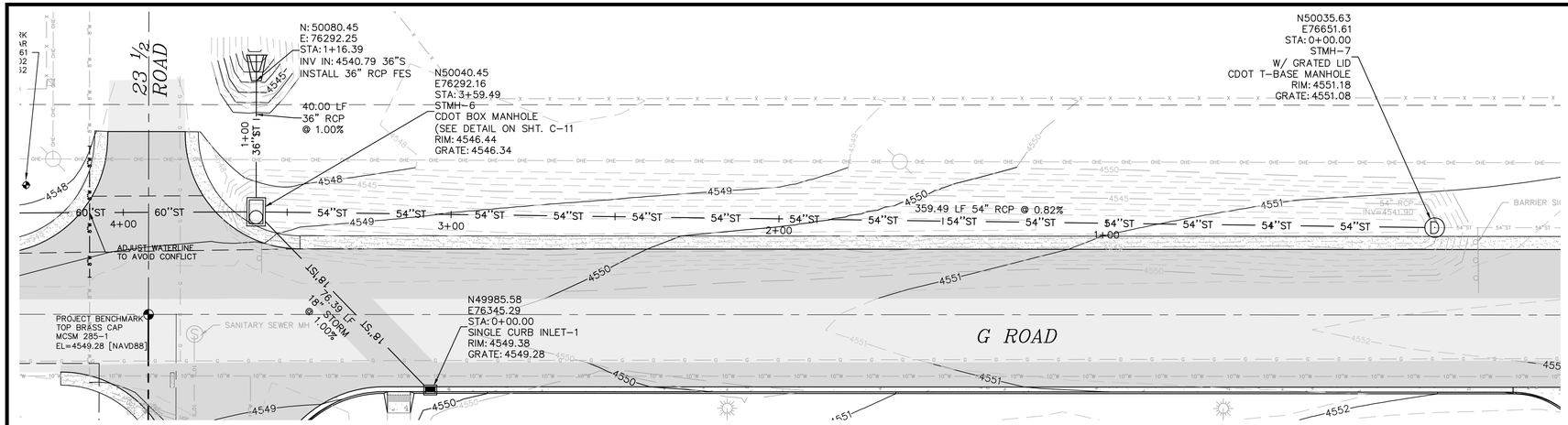
Land Planning • Civil Engineering • Development Services
123 N. 7th Street, Suite 301 • Grand Junction, Colorado 81501
(970) 242-7540

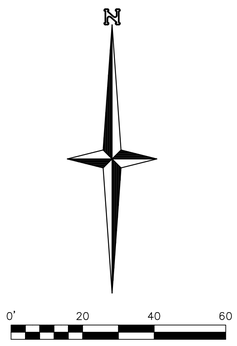
description: G ROAD
STORM SEWER LINE–1
PLAN AND PROFILE

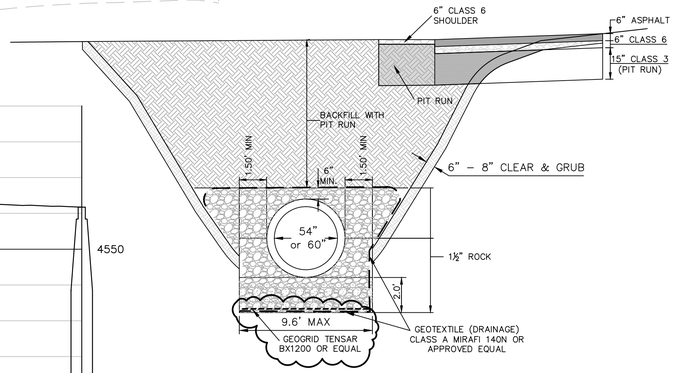
prepared for: CITY OF GRAND JUNCTION

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
LMS	LMS	MRA	MRA

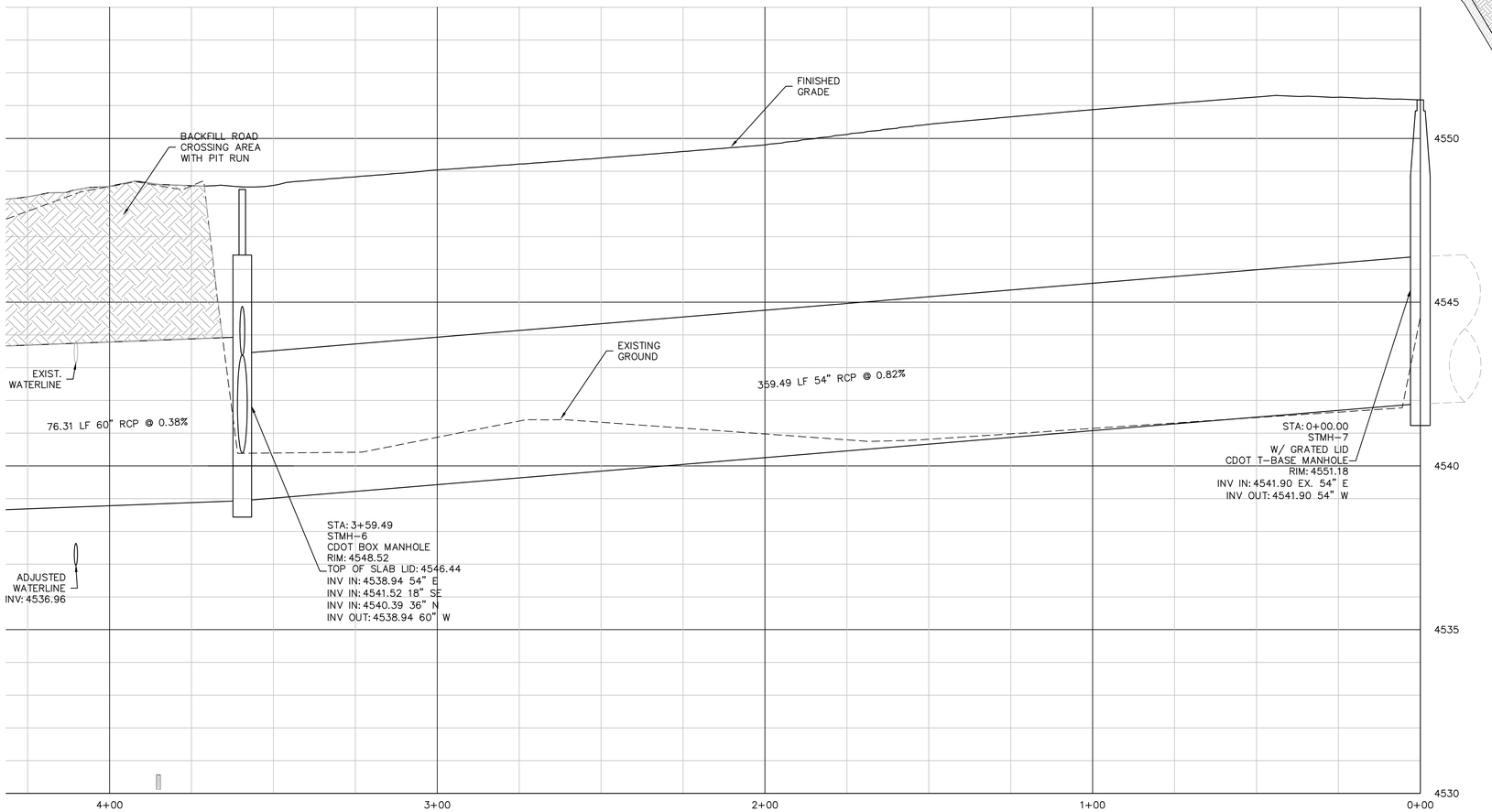
JOB NUMBER: 1024.0004
DATE: 04/20/15
SCALE: 1"= 20'
SHEET NO: C-8







TYPICAL SECTION
60" & 54" STORM DRAIN INSTALLATION
STA: 0+00 TO 4+35



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COLORADO REGISTERED
MARK R. ALLEN
29778
PROFESSIONAL ENGINEER
5/4/15

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REVISIONS

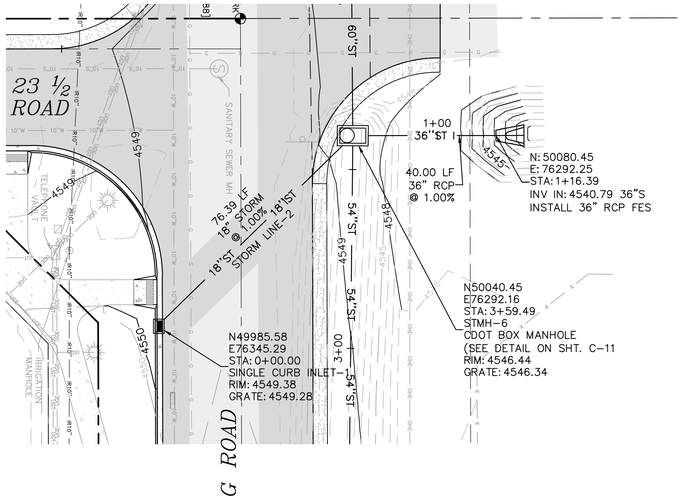
NO.	DESCRIPTION	DATE	BY
1	ADDENDUM #1	8-26-15	mra

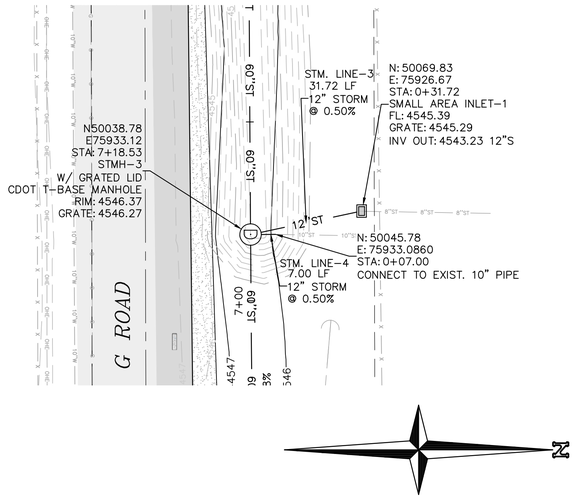
A·C·G
AUSTIN CIVIL GROUP, INC
Land Planning • Civil Engineering • Development Services
123 N. 7th Street, Suite 300 • Grand Junction, Colorado 81501
(970) 242-7540

G ROAD
description
STORM SEWER LINE-1
PLAN AND PROFILE
prepared for
CITY OF GRAND JUNCTION

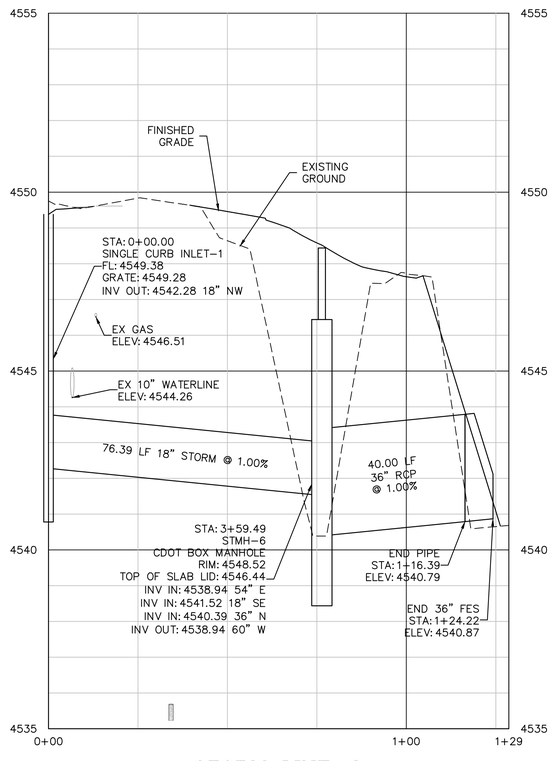
DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
LWS	LWS	MRA	MRA

JOB NUMBER: 1024.0004
DATE: 04/20/15
SCALE: 1"= 20'
SHEET NO: C-9

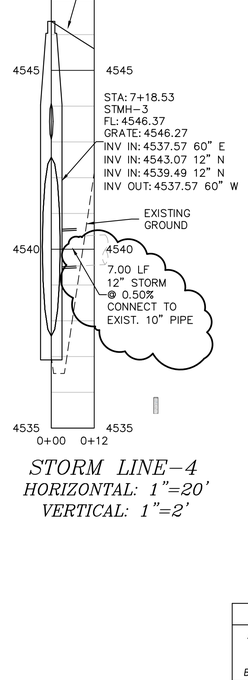




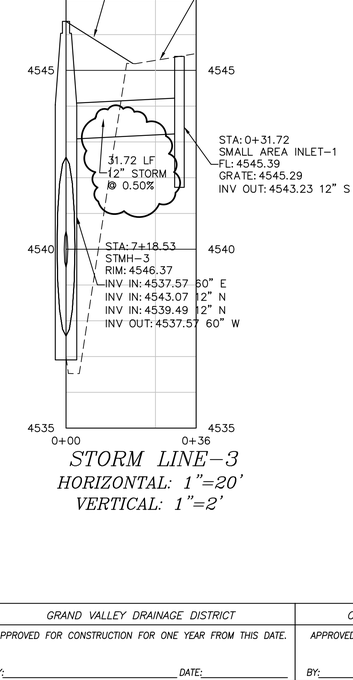
0' 20 40 60



STORM LINE-2
HORIZONTAL: 1"=20', VERTICAL: 1"=2'



STORM LINE-4
HORIZONTAL: 1"=20'
VERTICAL: 1"=2'



STORM LINE-3
HORIZONTAL: 1"=20'
VERTICAL: 1"=2'

COLORADO REGISTERED MARK R. ALLEN 29778 PROFESSIONAL ENGINEER 5/4/15

GRAND VALLEY DRAINAGE DISTRICT	CITY OF GRAND JUNCTION ENGINEERING
APPROVED FOR CONSTRUCTION FOR ONE YEAR FROM THIS DATE.	APPROVED FOR CONSTRUCTION FOR ONE YEAR FROM THIS DATE.
BY:_____ DATE:_____	BY:_____ DATE:_____
ACCEPTED AS CONSTRUCTED	ACCEPTED AS CONSTRUCTED
BY:_____ DATE:_____	BY:_____ DATE:_____

"All details, construction, inspections, and testing shall conform to the City of Grand Junction Standard Contract Documents for Capital Improvements Construction. Contractor shall have a copy of the accepted plans and current City of Grand Junction Standard Documents for Capital Improvements Construction on site and available at all times."

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

SCALE VERIFICATION
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET
ADJUST SCALES ACCORDINGLY

REVISIONS

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G ROAD
description
STORM SEWER LINES-2 THRU 4
PLAN AND PROFILE

prepared for
CITY OF GRAND JUNCTION

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
LMS	LMS	MRA	MRA

JOB NUMBER: 1024.0004
DATE: 04/20/15
SCALE: 1"= 20'
SHEET NO: C-10