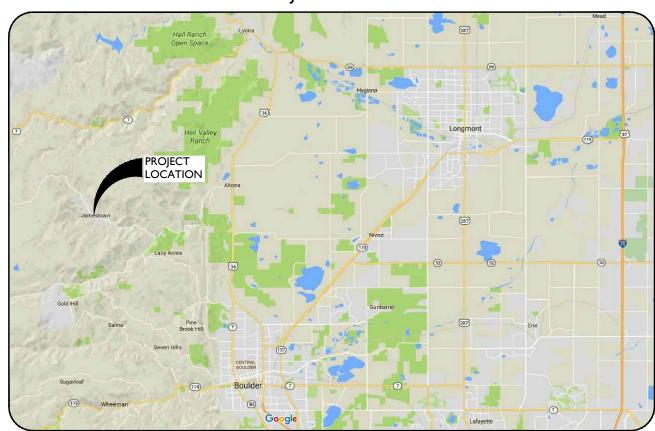
Appendix I 30% Design Drawings

30% CONCEPTUAL DESIGN PLANS PROJECT C

PREPARED FOR THE

TOWN OF JAMESTOWN, COLORADO

JULY 2017



VICINITY MAP

BENCHMARK

EXISTING TOPOGRAPHY BASED ON 2016 LIDAR DATA

CONTACT INFORMATION

OWNER

Town of Jamestown P.O. Box 298 Jamestown, CO 80455 (303) 449-1806



CIVIL ENGINEER

Ayres Associates
Jack Mathison, P.E.
Jack Brankway, Building 2, Suite 100
Fort Collins, Colorado 80525
Jack Brankway, Building 2, Suite 100
Jack Brankway, Buil

SHEET INDEX						
HEET	DRAWING	DESCRIPTION				
1	G01	COVER SHEET				
2	C01	OVERAL SITE PLAN				
3	C02	EXISTING CONDITIONS				
4	C03	MAIN STORM PLAN AND PROFILE				
5	C04	STORM A AND B PLAN AND PROFILE				
6	C05	STORM C AND D PLAN AND PROFILE				
7	C06	ANDERSEN HILL SWALE PLAN				
8	C07	DETAILS - 1 OF 4				
9	C08	DETAILS - 2 OF 4				
10	C09	DETAILS - 3 OF 4				
11	C10	DETAILS - 4 OF 4				



NOT FOR CONSTRUCTION

ONE INCH- IF NOT, SCALE ACCORDING IN

3665 JFK Parkway, Building 2, Suite 100 Fort Collins, CO 80525 \(\) TES (970) 223-5556

VER SHEET

PROJECT C 30% CONCEPTUAL DESIGN OWN OF JAMESTOWN

Revisions Date

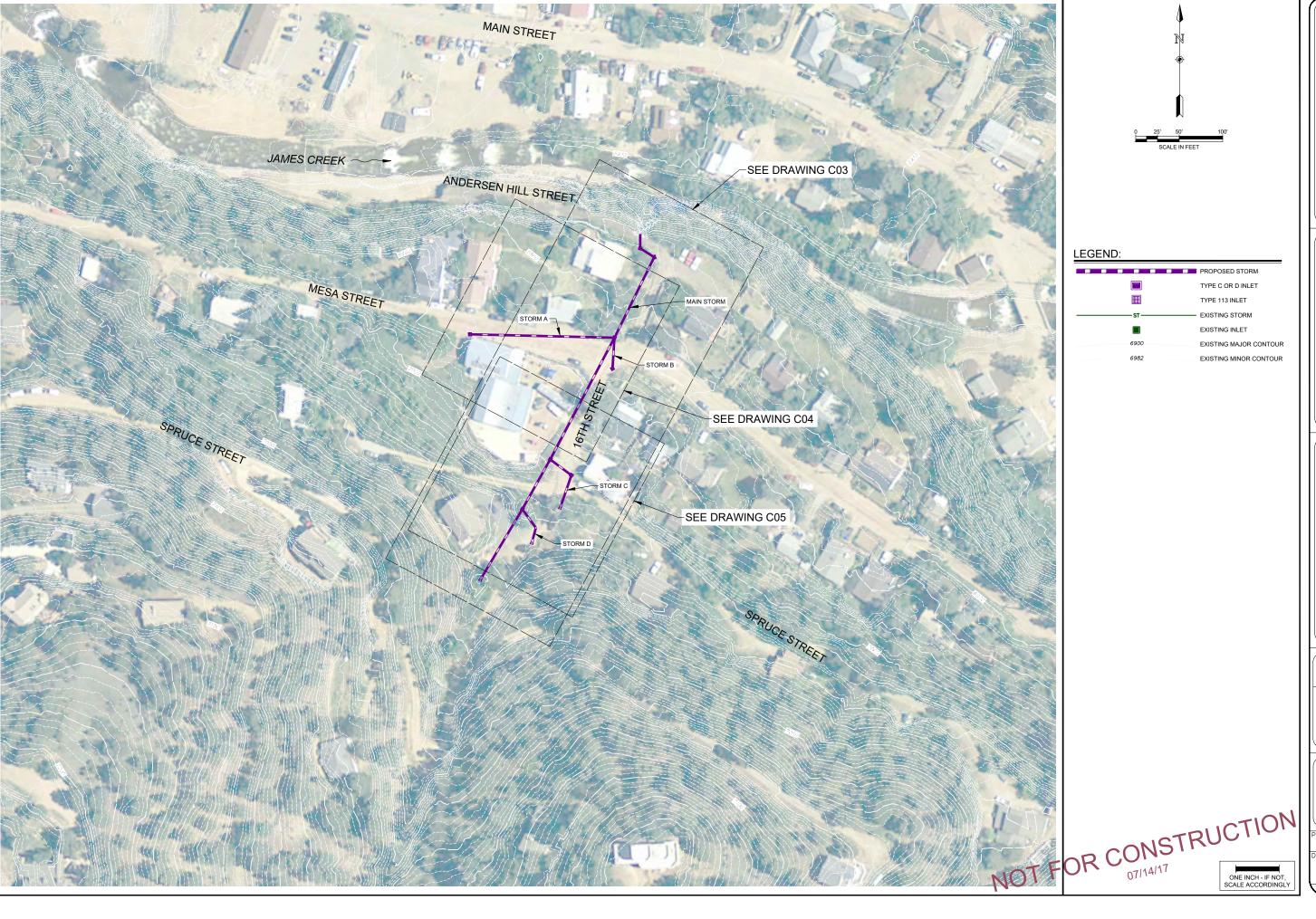
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wn By: RBR
roved By: DAM

SOJECT NO.

32-1882.00 DRAWING NO.

G01

SHEET 1 OF 11



OVERAL SITE PLAN

PROJECT C 30% CONCEPTUAL DESIGN TOWN OF JAMESTOWN

PROJECT NO. 32-1882.00

C01

SHEET 2 OF 11



ANTEES 3665 JFK Parkway, Building 2, Suite 100 Fort Collins, CO 80525 (970) 223-5656

EXISTING CONDITIONS

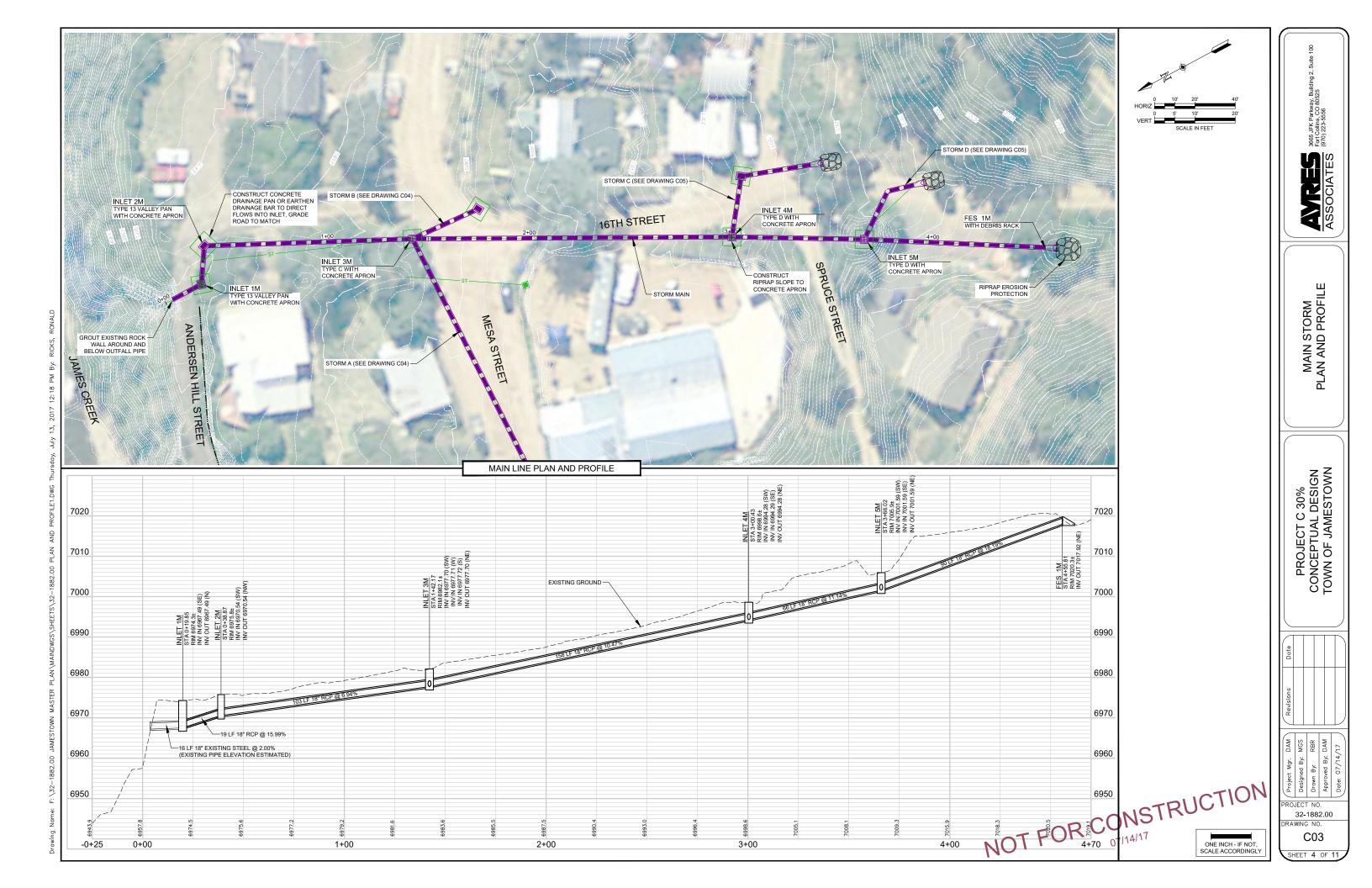
PROJECT C 30% CONCEPTUAL DESIGN TOWN OF JAMESTOWN

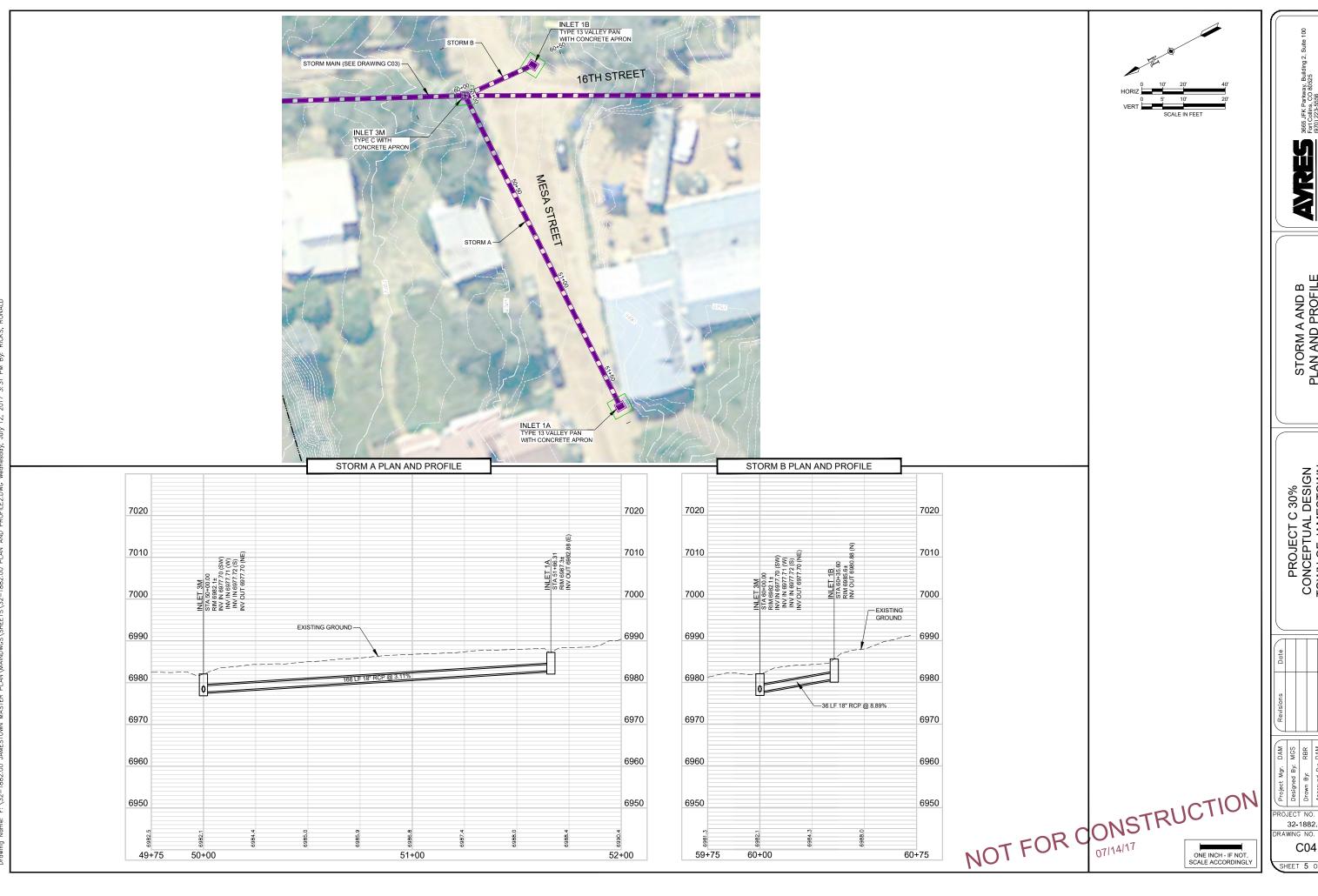
Designed By: MGS
Drawn By: RBR
Approved By: DAM
Date: 07/14/17

PROJECT NO.
32-1882.00
DRAWING NO.

C02

SHEET 3 OF 11





3665 JFK Parkway, Buildi Fort Collins, CO 80525 (970) 223-5556 ASSOCIATES ASSOCIATES

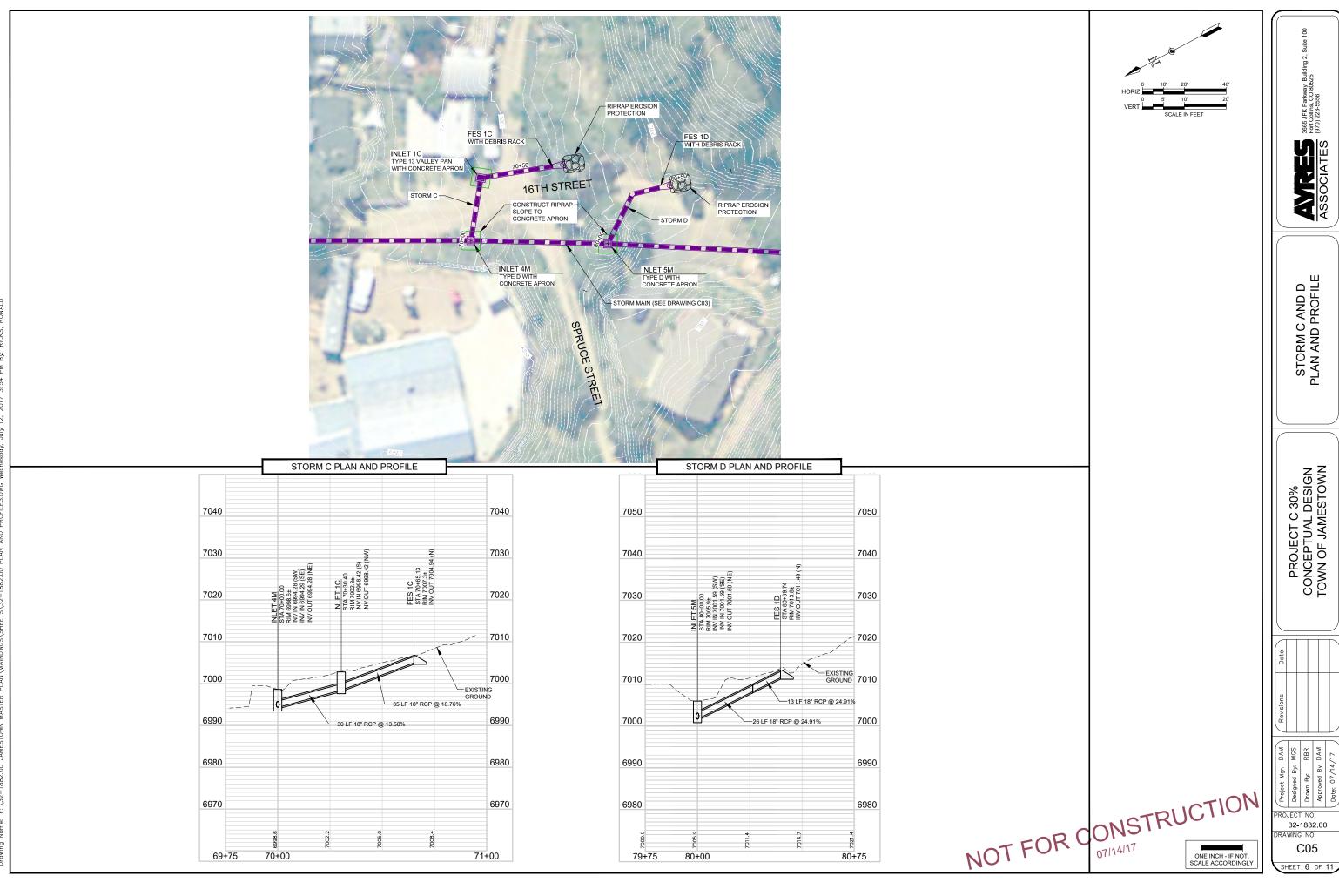
STORM A AND B PLAN AND PROFILE

PROJECT C 30% CONCEPTUAL DESIGN TOWN OF JAMESTOWN

32-1882.00

C04

SHEET 5 OF 11

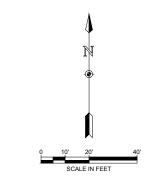


3665 JFK Parkway, Buildi Fort Collins, CO 80525 (970) 223-5556

PROJECT C 30% CONCEPTUAL DESIGN TOWN OF JAMESTOWN

32-1882.00

C05



NOTES:

ANDERSEN HILL SWALE PLAN

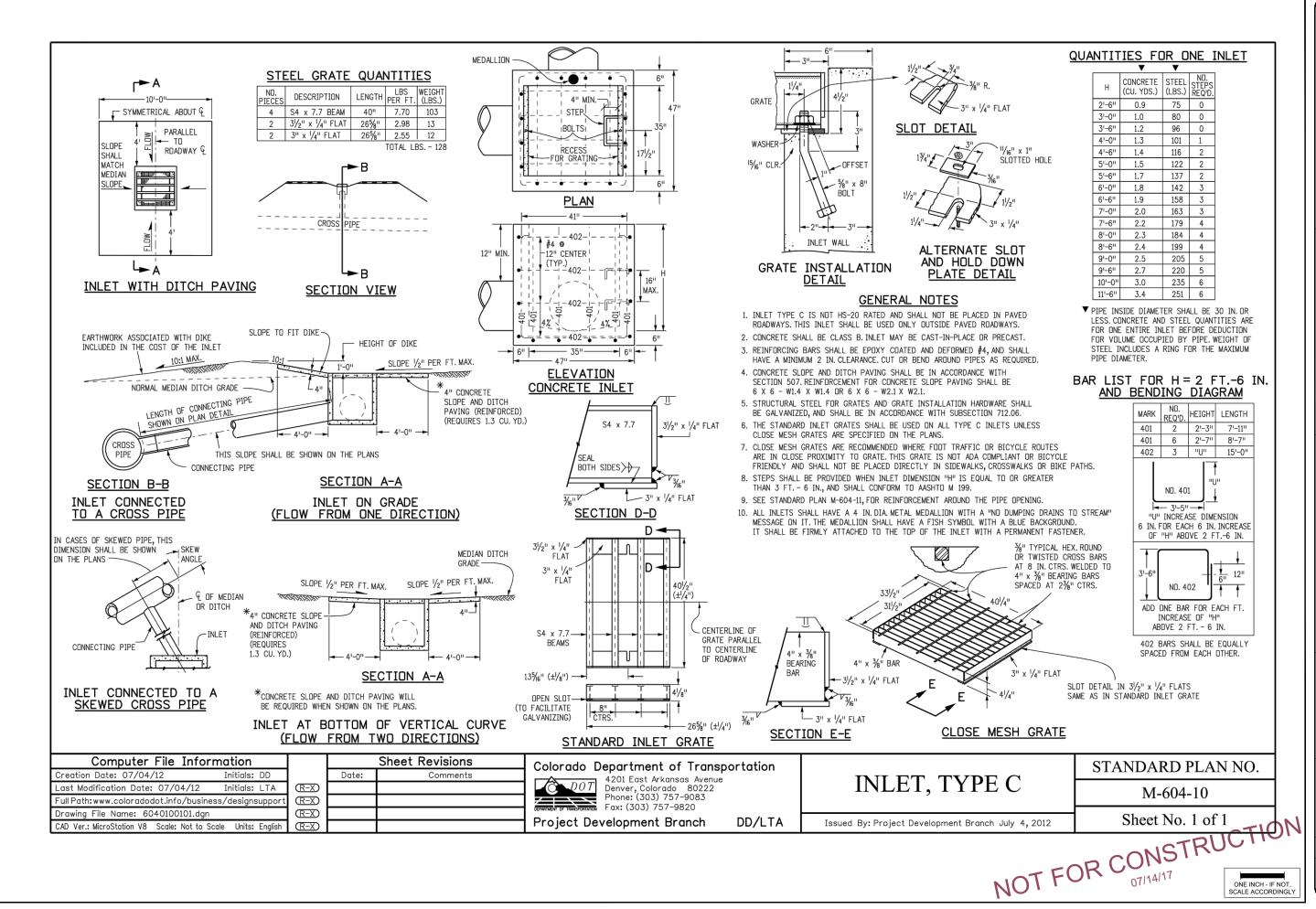
ASSOCIATES ASSOCIATES

PROJECT C 30% CONCEPTUAL DESIGN TOWN OF JAMESTOWN

PROJECT NO. 32-1882.00 RAWING NO.

C06 SHEET 7 OF 11

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AVRES ASSOCIATES

DETAILS - 1 OF 4

PROJECT C 30% CONCEPTUAL DESIGN TOWN OF JAMESTOWN

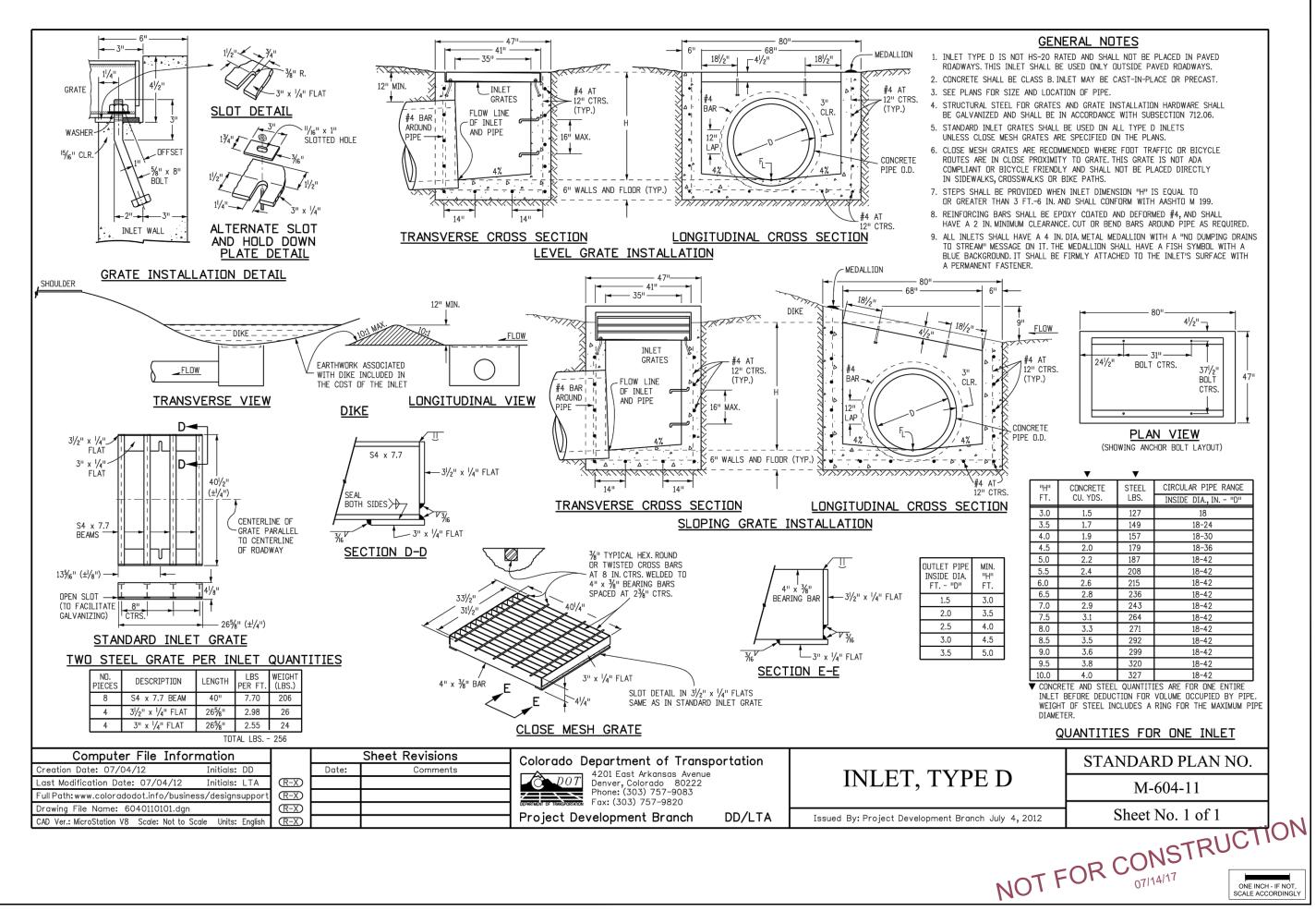
Revisions Date

roject Mgr. DAM
esigned By: MGS
rawn By: RBR
pproved By: DAM
ate: 07/14/17

PROJECT NO.
32-1882.00
DRAWING NO.

C07

SHEET 8 OF 11



8665 JFK Parkway, Building 2, Suite 100 Fort Collins, CO 80525 970) 223-5556

AVRES ASSOCIATES

DETAILS - 2 OF 4

PROJECT C 30% CONCEPTUAL DESIGN TOWN OF JAMESTOWN

Revisions Date

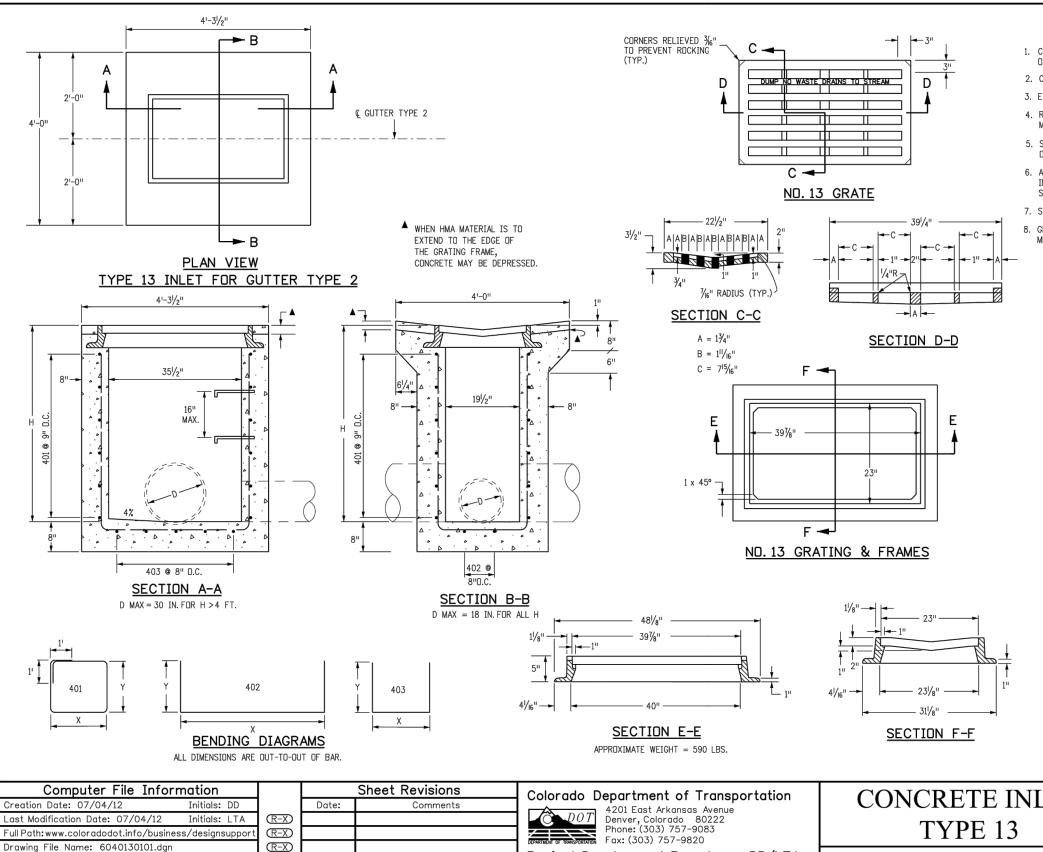
oject Mgr. DAMI signed By. MGS awn By. RBR proved By. DAM

PROJECT NO.

32-1882.00 DRAWING NO.

C08

SHEET 9 OF 11



4:03 PM By:

July 13, 2017

-1882.00 DETAILS4.DWG

GENERAL NOTES

- 1. CONCRETE SHALL BE CLASS B. INLET MAY BE CAST-IN-PLACE OR PRECAST.
- 2. CAST-IN-PLACE CONCRETE WALLS SHALL BE FORMED ON BOTH SIDES.
- 3. EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4 IN.
- 4. REINFORCING BARS SHALL BE DEFORMED #4 AND SHALL HAVE A 2 IN. MINIMUM CLEARANCE. ALL REINFORCING BARS SHALL BE EPOXY COATED.
- 5. STEPS SHALL BE PROVIDED WHEN INLET DIMENSION "H" IS EQUAL TO OR GREATER THAN 3 FT.-6 IN. AND SHALL CONFORM TO AASHTO M 199.
- 6. ALL GRATES AND FRAMES SHALL BE GRAY OR DUCTILE CAST IRON IN ACCORDANCE WITH SUBSECTION 712.06. GRATES AND FRAMES SHALL BE DESIGNED TO WITHSTAND HS 20 LOADING.
- 7. STATION POINT IS AT THE CENTER OF THE INLET.
- 8. GRATE SHALL HAVE "DUMP NO WASTE DRAINS TO STREAM" MESSAGE CAST ON SURFACE.

	CONCRETE	REINFORCING STEEL	NO. OF	MAXIMUM PIPE I.D.		
Н			401 BARS	SEC. A-A	SEC. B-B	
	CU. YDS.	θ LB.	REQ'D.	IN.	IN.	
3'-0"	1.3	72	4	18	18	
3'-6"	1.5	76	4	24	18	
4'-0"	1.6	90	5	30	18	
4'-6"	1.8	104	6	30	18	
5'-0"	1.9	109	6	30	18	
5'-6"	2.1	122	7	30	18	
6'-0"	2.2	136	8	30	18	
6'-6"	2.4	141	8	30	18	
7'-0"	2.5	154	9	30	18	
7'-6"	2.7	168	10	30	18	
8'-0"	2.8	173	10	30	18	
8'-6"	3.0	187	11	30	18	
9'-0"	3.1	200	12	30	18	
9'-6"	3.3	205	12	30	18	
10'-0"	3.4	219	13	30	18	

 θ INCLUDES 1% FOR OVERRUN.

NOTE: CONCRETE QUANTITIES INCLUDE VOLUME OCCUPIED BY PIPE.

QUANTITIES FOR ONE INLET

MARK	NO.	DIMENSIONS		LENGTH	
WARK	REQ'D.	Χ	Y	LENGTH	
401	4	3'-6"	2'-2"	13'-4"	
402	2	3'-41/2"	* 2'-61/2"	8'-51/2"	
403	5	2'-1/2"	* 2'-7"	7'-21/2"	

ADD 6 IN. TO THIS DIMENSION FOR EACH 6 IN. INCREASE OF "H" OVER 3 FT.-O IN.

BAR LIST FOR H = 3 FT.-O IN.

Computer File Information		Sheet Revisions		Colorado Department of Transportation	CONCRETE INLET	STANDARD PLAN NO.	
ion Date: 07/04/12 Initials: DD		Date:	Comments	4201 East Arkansas Avenue	CONCRETE INLET		
Modification Date: 07/04/12 Initials: LTA	(R-X)			DOT Denver, Colorado 80222	TVDE 12	M-604-13	
ath:www.coloradodot.info/business/designsupport	(R-X)			Phone: (303) 757-9083 DEPARTIMENT OF TRANSPORTATION Fax: (303) 757-9820	I YPE 13	171-004-13	
ing File Name: 6040130101.dgn						Sheet No. 1 of 1	
/er · MicroStation V8 Scale · Not to Scale Unite · English				Project Development Branch DD/LTA	Issued By: Project Development Branch July 4, 2012	Sheet No. 1 of 1	

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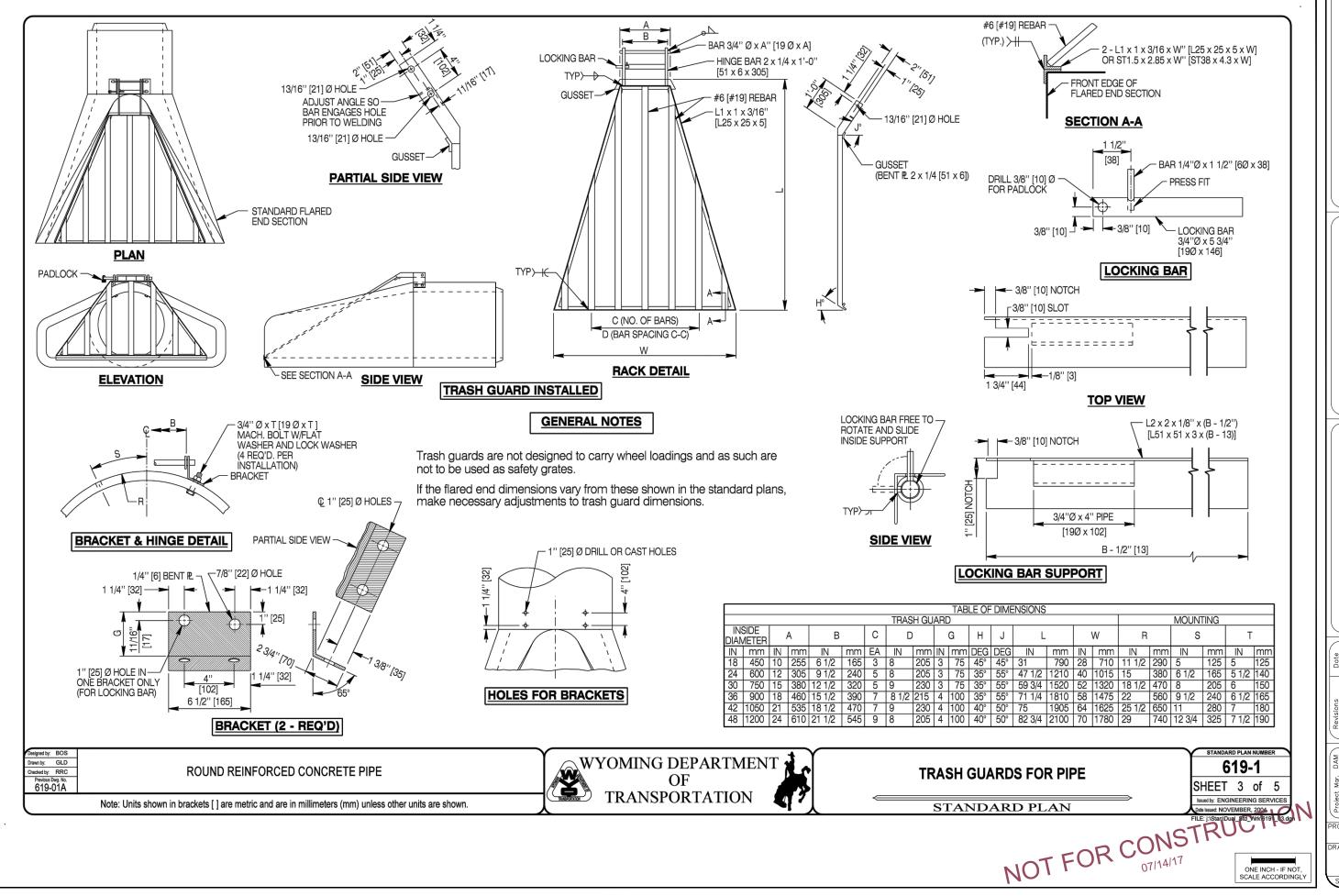
PROJECT C 30% CONCEPTUAL DESIGN TOWN OF JAMESTOWN

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Revisions			

PROJECT NO. 32-1882.00 DRAWING NO.

C09

SHEET 10 OF 11



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July 13, 2017

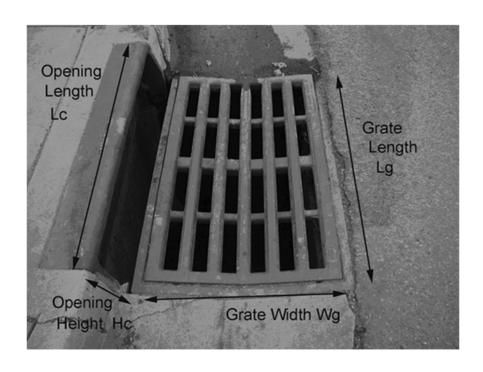
Я 4 DETAILS.

PROJECT C 30% CONCEPTUAL DESIGN TOWN OF JAMESTOWN

PROJECT NO. 32-1882.00 RAWING NO.

C10

SHEET 11 OF 11



Type 13 Combo Inlet



Type 13 Inlet



Type R Curb Inlet



Type C Inlet



Type D Inlet



Concrete Apron (Sloped Towards Inlet)



Flared End Section (FES) with Trash Rack