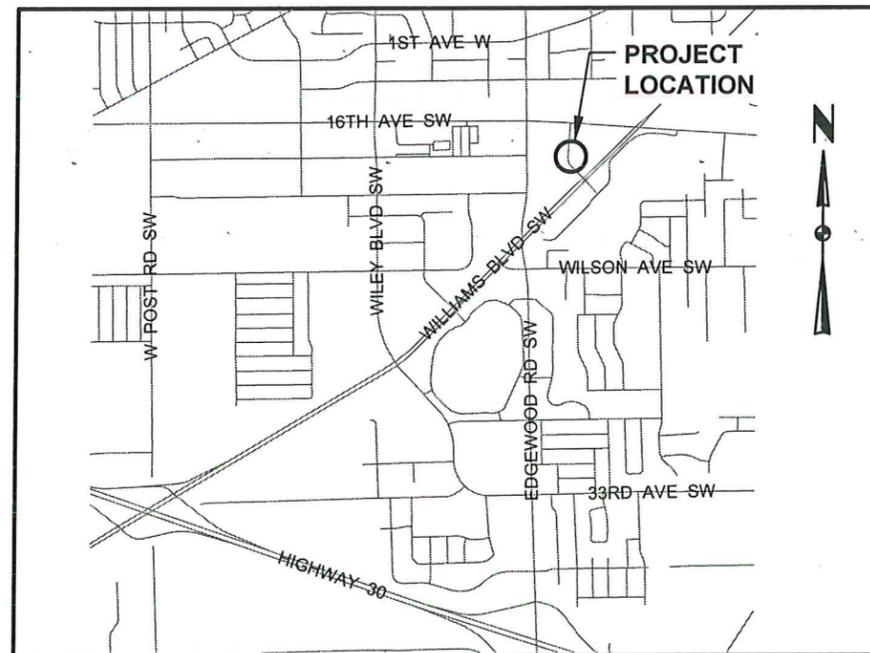


PLANS OF IMPROVEMENTS FOR:
2016
TRENT STREET SW NORTH OF WILLIAMS
BOULEVARD DRAINAGE IMPROVEMENTS
CITY OF CEDAR RAPIDS, IOWA
CIP NUMBER 304446
CONTRACT NUMBER 304446-02



LOCATION MAP
NOT TO SCALE

INDEX OF SHEETS	
SHEET No.	DESCRIPTION
A.01	TITLE SHEET
A.02	GENERAL PLAN, LEGEND AND NOTES
D.01	PROPOSED IMPROVEMENT PLAN
J.01	TRAFFIC CONTROL PLAN

CITY OF CEDAR RAPIDS	
THIS ENGINEERING DOCUMENT IS APPROVED.	
<i>Dave Wilcox</i>	<i>1-19-16</i>
CITY ENGINEER OR DESIGNEE	DATE
<i>Kenneth Russell</i>	<i>JAN. 19. 2016</i>
UTILITIES ENGINEER OR DESIGNEE	DATE
<i>Matthew C. Myers</i>	<i>1/19/2016</i>
CITY TRAFFIC ENGINEER OR DESIGNEE	DATE

PLANS PREPARED BY:
CITY OF CEDAR RAPIDS, PUBLIC WORKS 500 15TH AVENUE SW, CEDAR RAPIDS, IA 52404 PHONE: 319-286-5802

PLANS PREPARED FOR:	
 CEDAR RAPIDS City of Five Seasons	
CITY COUNCIL:	
MAYOR:	RON CORBETT
AT LARGE:	ANN POE
AT LARGE:	RALPH RUSSELL
AT LARGE:	SUSIE WEINACHT
DISTRICT 1:	KRIS GULICK
DISTRICT 2:	SCOTT OVERLAND
DISTRICT 3:	PAT SHEY
DISTRICT 4:	SCOTT OLSON
DISTRICT 5:	JUSTIN SHIELDS

NOTE:
 THE PROPOSED IMPROVEMENTS INCLUDED IN THESE DRAWINGS
 HAVE BEEN DESIGNED IN ACCORDANCE WITH THE CEDAR RAPIDS
 METROPOLITAN AREA DESIGN STANDARDS MANUAL (LATEST
 EDITION) WITH NO DESIGN EXCEPTIONS.

	I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.
	<i>Garrett C. Prestegard</i> <i>1-15-16</i> GARRETT C. PRESTEGARD, P.E. DATE LICENSE NUMBER: 22312 MY LICENSE RENEWAL DATE IS: DECEMBER 31, 2017 PAGES OR SHEETS COVERED BY THIS SEAL: THIS SHEET

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EXISTING		LEGEND		PROPOSED (AS-BUILT)	
—(SS)—	SANITARY SEWER	—SS—		—SS—	
—(ST)—	STORM SEWER	—ST—		—ST—	
—(W)—	WATER	—W—		—W—	
—(G)—	GAS	—G—		—G—	
—(OHE)—	ELECTRICAL - OVERHEAD	—OHE—		—OHE—	
—(E)—	ELECTRICAL - UNDERGROUND	—E—		—E—	
—(T)—	TELEPHONE - UNDERGROUND	—T—		—T—	
—(FO)—	FIBER OPTIC - UNDERGROUND	—FO—		—FO—	
⊙	LIGHT POLE W/O MAST	⊙		⊙	
⊕	FIRE HYDRANT	⊕		⊕	
⊘	UTILITY POLE	⊘		⊘	
→	GUY ANCHOR	→		→	
○	MANHOLE	○		○	
⊗	VALVE, WATER OR GAS	⊗		⊗	

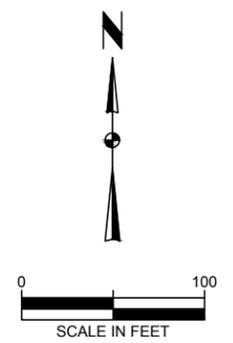
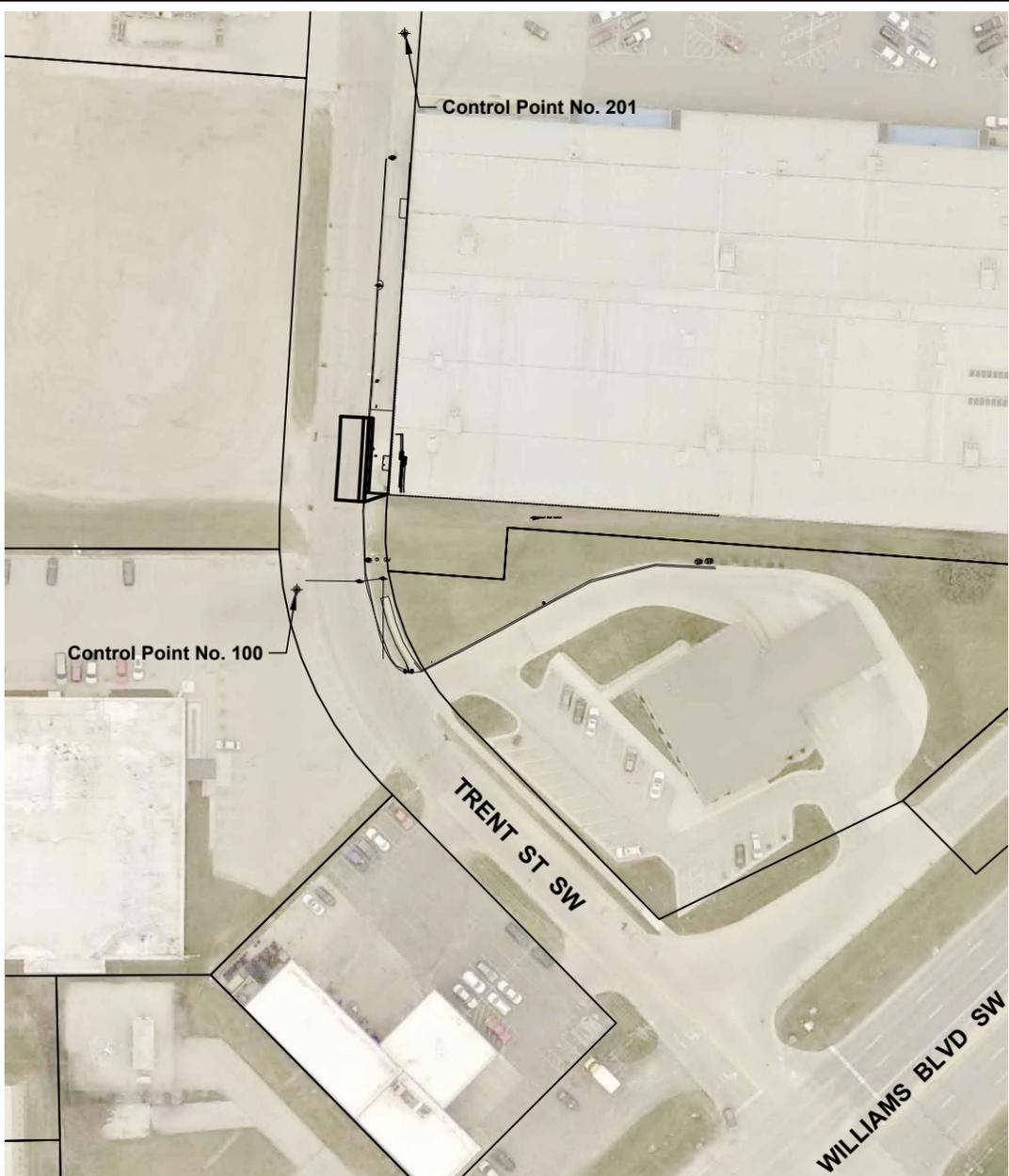
UTILITY AND EMERGENCY PHONE NUMBERS	
Agency	Contact Number
City of Cedar Rapids, Iowa	
Public Works:	(319) 286-5802
Engineering	
Traffic Engineering	
Sewer Maintenance Program	
Utilities Department	
Water Division	(319) 286-5910
Police Department	
Business	(319) 286-5491
Emergency	911
Fire Department	
Business	(319) 286-5200
Emergency	911
Iowa One Call (Utilities)	(800) 292-8989
MidAmerican Energy	
Business	(319) 286-5162
Emergency	(800) 595-5325
Centurylink	
Engineer	(319) 399-7600
Alliant (Electric, Steam)	
Business	(319) 398-4406
Locates	(800) 292-8989
Mediacom	
Business	(319) 395-9699
Locates	(800) 292-8989
AT&T (Telephone)	(319) 364-6111
ImOn Communications	
Business	(319) 261-4640
Emergency	(800) 298-6484



UTILITY QUALITY SERVICE LEVELS
 UNLESS OTHERWISE NOTED, QUALITY LEVELS OF UTILITIES SHOWN ON THESE PLANS ARE LEVEL "B" (APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND HORIZONTAL POSITION OF SUBSURFACE UTILITIES).

SANITARY SEWER UTILITIES ARE LEVEL "C" (INFORMATION IS DERIVED FROM SURVEYING VISIBLE ABOVE GROUND UTILITY FACILITIES AND CORRELATING THIS INFORMATION WITH EXISTING UTILITY RECORDS).

THE QUALITY LEVELS ARE BASED ON THE CI / ASCE 38-02 STANDARD.



GENERAL NOTES (ENTIRE PROJECT):

1. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CEDAR RAPIDS METROPOLITAN AREA STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC IMPROVEMENTS, LATEST EDITIONS.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES AND PAVED AREAS, INCLUDING ANY NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IF ANY CONFLICTS WITH THE DRAWINGS OCCUR. ANY DAMAGE TO EXISTING UTILITIES, SOD, LANDSCAPE AND/OR PAVED AREAS CAUSED BY TRENCHING, GRADING, AND PAVING OPERATIONS NOT IDENTIFIED FOR REPLACEMENT SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE.
3. PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREAS. DO NOT ALLOW WATER TO DRAIN OR TO POND ONTO ADJOINING PROPERTY OR PUBLIC RIGHT-OF-WAY.
4. ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE PROPERLY DISPOSED OF OFF-SITE.
5. RESTORE LANDSCAPED AND LAWN AREAS DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION UPON COMPLETION OF CONSTRUCTION.
6. ALL WORK TO BE COMPLETED WITHIN PUBLIC R.O.W.

EROSION CONTROL NOTES:

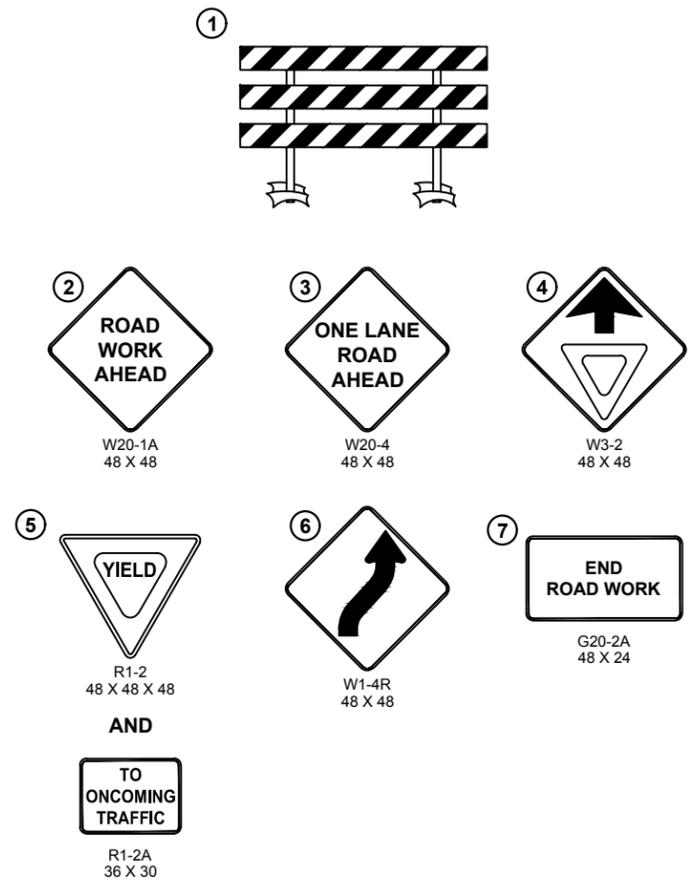
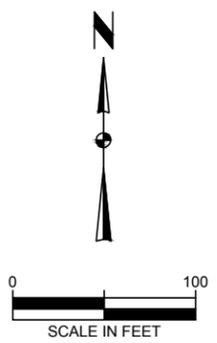
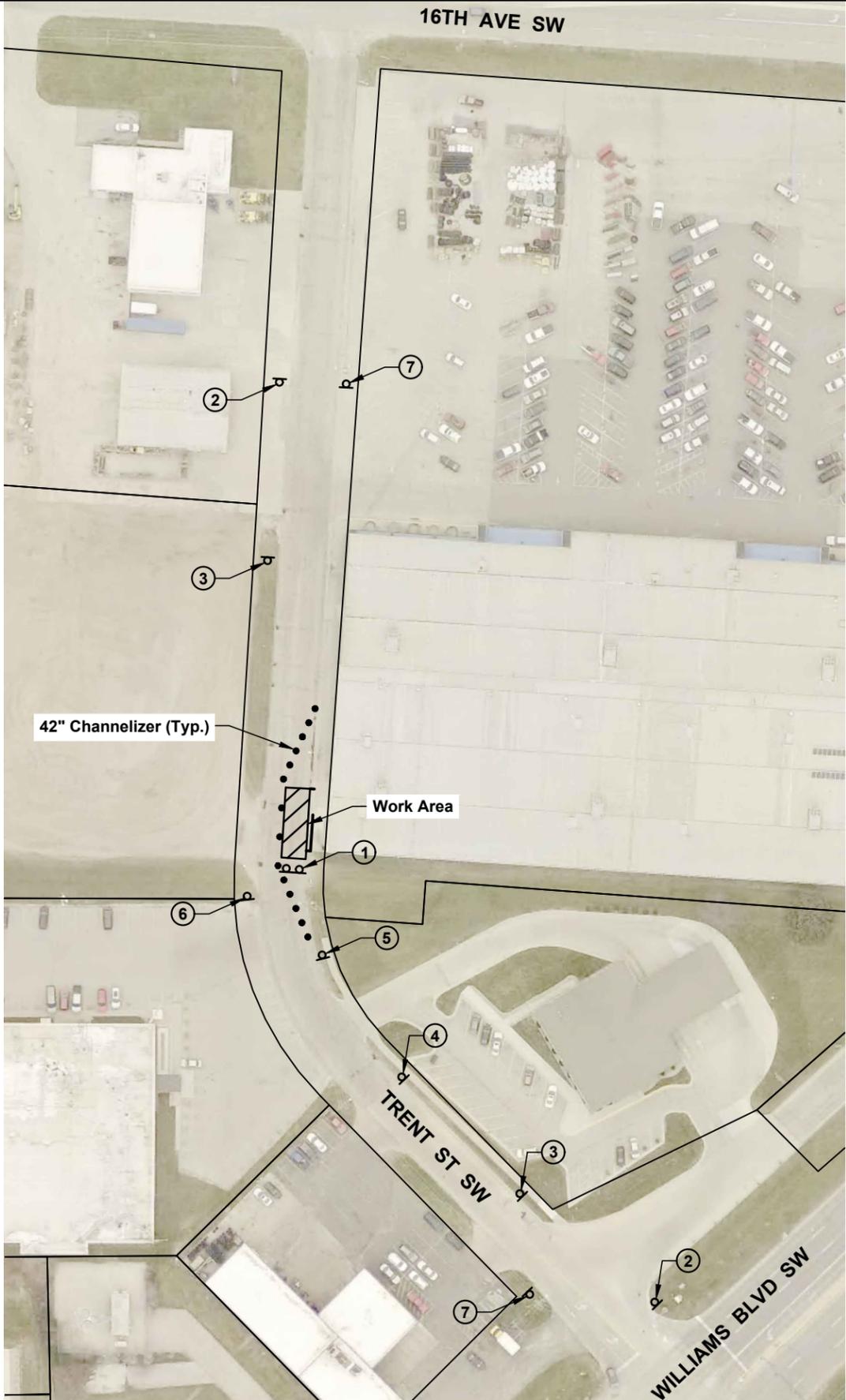
1. THIS PROJECT SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE LATEST EDITION OF MUNICIPAL CODE CHAPTER 71 "EROSION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES" AND CHAPTER 72 "STORM WATER MANAGEMENT".
2. THE EROSION AND SEDIMENT CONTROL MEASURES INDICATED ON THE PLAN ARE THE MINIMUM REQUIRED. ADDITIONAL OR CORRECTIVE MEASURES MAY BE REQUIRED AS DIRECTED BY THE ENGINEERS. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBING ACTIVITIES.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR WILL BE RESPONSIBLE FOR PERMITTING, INSPECTION, AND REPAIR OF EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION.
4. PRESERVE EXISTING VEGETATION WHEN POSSIBLE BY MINIMIZING THE DISTURBED AREA DURING CONSTRUCTION.
5. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND PROPERLY DISPOSED OF AFTER PERMANENT VEGETATION HAS BEEN ESTABLISHED ON UP-SLOPE AREAS.

SUMMARY OF QUANTITIES				
Item No.	Bid Item	Total Units	Unit of Measure	
1	01100-01 Mobilization	1	LS	
2	01100-10 Construction Surveys	1	LS	
3	01110-02 Sub-grade and Subbase Compaction Testing	1	LS	
4	01200-01 Traffic Control	1	LS	
5	01300-01 Temporary Erosion and Sediment Controls, Erosion Control Sock	40	LF	*
6	01400-10 Removal of Existing Pavements, Driveways, Curb, and Gutter	30	SY	*
7	01400-21 Milling of ACC Pavement	92	SY	*
8	02100-01 Subgrade Preparation, 12-inch	30	SY	*
9	02100-50 Granular Sub-base, 6-inch	30	SY	*
10	02700-01 Portland Cement Concrete Pavement, 6-in	10	SY	*
11	02700-60 Portland Cement Concrete Curb and Gutter	51	LF	*
12	02750-50 Asphalt Cement Concrete Overlay	8	TON	*
13	02905-20 Sodding	5	SY	*

Includes 5% Contingency (Added To Plan Quantity) = *

CONTROL POINT DATA				
No.	NORTHING	EASTING	ELEV.	DESC.
100	N 3454201.606	E 5407124.810	839.10	PK Nail
201	N 3454524.124	E 5407187.502	833.70	PK Nail

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TRAFFIC CONTROL NOTES

1. TRAFFIC CONTROL PROVIDED SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), IOWA DOT STANDARD ROAD PLANS AND/OR CEDAR RAPIDS METROPOLITAN AREA STANDARD DETAILS FOR PUBLIC IMPROVEMENTS.
2. TRAFFIC CONTROL ITEMS SHALL BE FURNISHED, INSTALLED, MAINTAINED AND REMOVED BY THE CONTRACTOR.
3. THE INFORMATION SHOWN ON THESE TRAFFIC CONTROL PLANS ARE FOR GENERAL INFORMATION AND GUIDANCE PURPOSES ONLY. THE TRAFFIC CONTROL FEATURES ARE NOT INTENDED TO BE COMPREHENSIVE OR TO DICTATE SEQUENCE OF OPERATIONS. ADJUSTMENTS TO ADVANCED SIGNAGE AND BARRICADING ARE SUBJECT TO ENGINEER APPROVAL AND ARE CONSIDERED INCIDENTAL.

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PREPARED BY:
CITY OF CEDAR RAPIDS, PUBLIC WORKS
500 15TH AVENUE SW, CEDAR RAPIDS, IA 52404
PHONE: 319-286-5802

No.	REVISION DESCRIPTION	APPROVED	DATE



Date: 1-6-2016
Drawn By: MAM
Approved By: GP
CIP No: 304446-02

TRENT STREET SW NORTH OF WILLIAMS BOULEVARD DRAINAGE IMPROVEMENTS

TRAFFIC CONTROL PLAN

SHEET No.
J.01