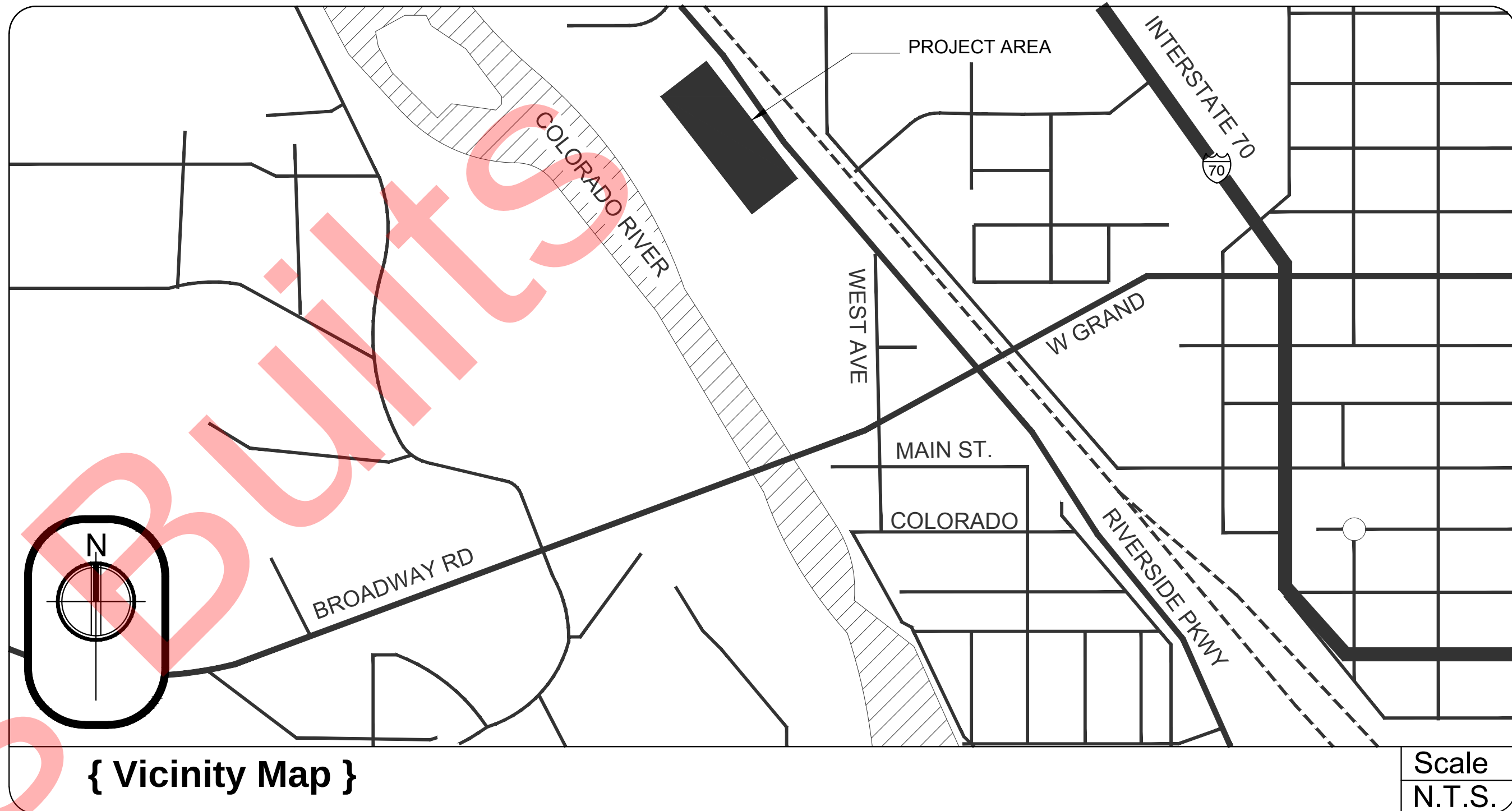
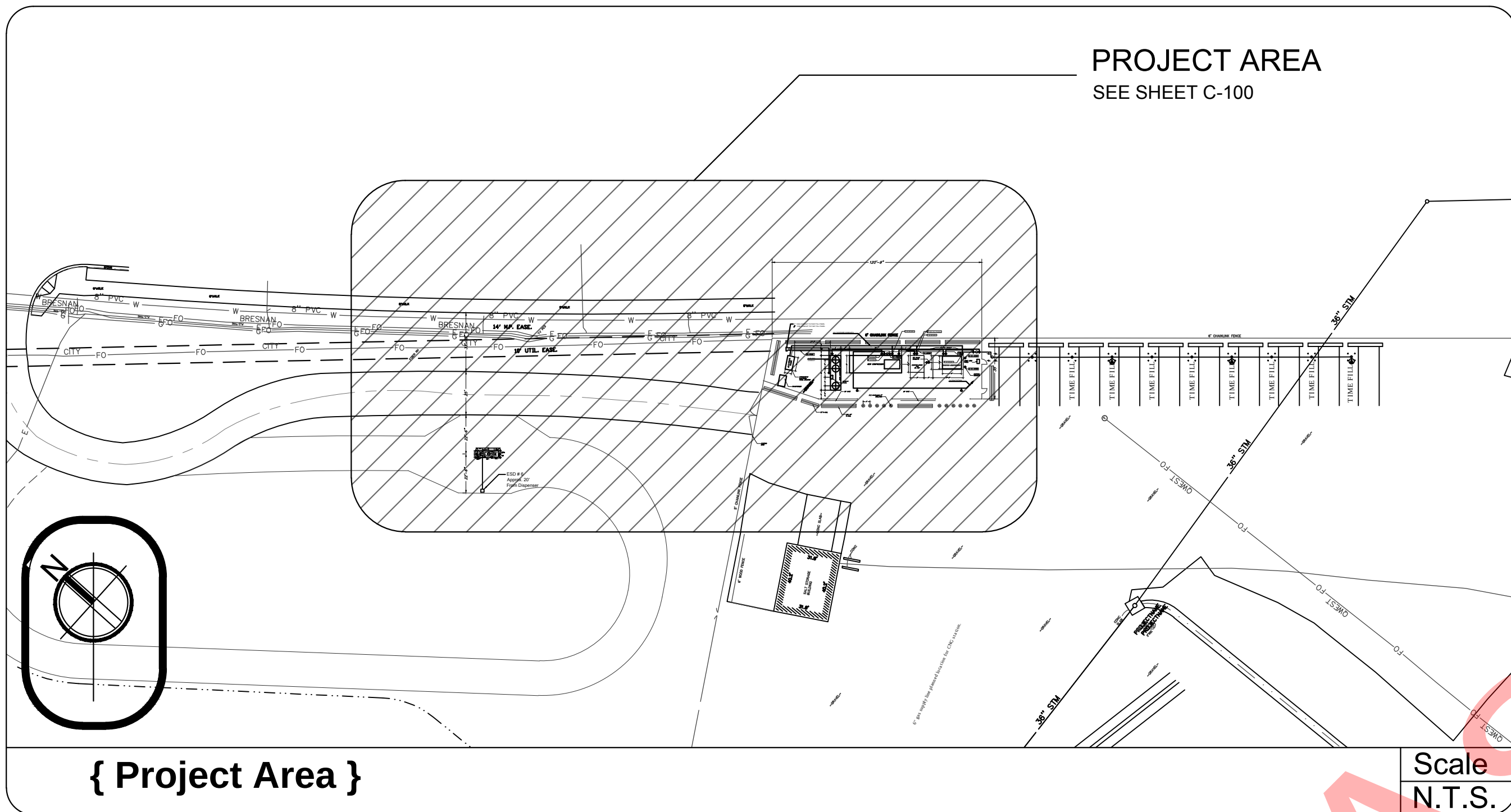


CITY OF GRAND JUNCTION, CO
UPGRADE FOR FAST FILL TO EXISTING CNG STATION
333 WEST AVENUE
GRAND JUNCTION, CO 81501



Owner:
City Of Grand Junction
333 West Avenue
Grand Junction, CO 81501

Revisions:		
01	11/12/2010	80% Preliminary
02	11/19/10	90% Preliminary
03	11/30/10	Final
04	2/16/2011	Removed Cal-Osha Reference

Drawn By:	J.V.
Checked By:	B.B.
Date:	12/06/10
Scale:	As Noted
Job No.	

Site Information:

GRAND JUNCTION
UPGRADE FOR FAST FILL TO EXISTING CNG STATION
333 WEST AVENUE
GRAND JUNCTION, CO 81501

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Seal:

Plans Prepared By:

GESI
GAS EQUIPMENT SYSTEMS, INC.
Specialists in Gas Compression Equipment for NGV's
8753 LION STREET RANCHO CUCAMONGA, CA 91730 OFFICE: (909) 466-6920 LICENSE# 763360

Sheet Title:

COVER SHEET

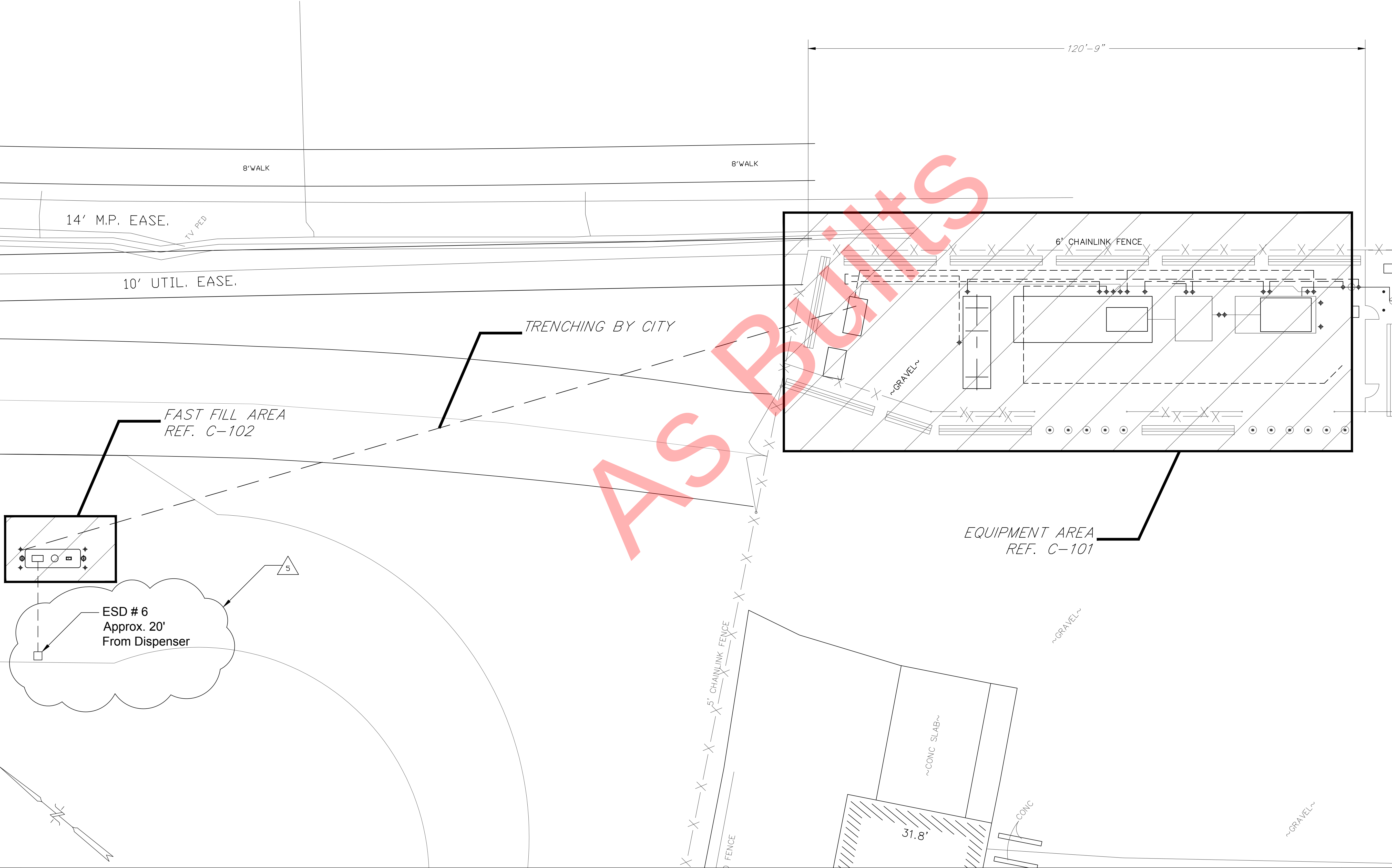
Sheet Number:

CS-100

Project Summary:	General Notes:	Build Codes:	Sheet #	Description:
Project Summary: City Of Grand Junction 333 West Avenue Grand Junction, CO 81501 Project Description: Upgrade for Fast Fill to existing CNG Station Equipment: -CNG Compressor 1-58 CFM GESI Natural Gas Compressor Skid -3 x CNG Storage Tanks -Priority Panel Fast Fill: -Dual GESI/Kraus Fast Fill dispenser dual hose 3600 PSI -Card Reader Fuelmaster ALL EQUIPMENT PER SUBMITTAL DOCUMENTS	- The contractor shall verify and be responsible for; all contract documents, omissions and/or conflicts between various elements of contract documents, and all dimensions elevations and conditions at the site. - Contractor is responsible for any and all permits required for this project. - Contractor is responsible for the project design compliant with the scope of work (this page). - All work shall conform to the minimum standards of all regulating agencies having jurisdiction over any or all portions of the work including the state of california. - All work to conform to the best practices prevailing in the various trades at the time of the work. - Specific notes and details shall take precedence over general notes and typical details. do not scale dimensions from drawings. - It is the responsibility of the contractor to locate all existing utilities whether shown on these drawings or not, and to protect them from damage. the contractor shall bear all cost of repair or replacement due to such damage in the execution of his work. - Contractor shall assume sole and complete responsibility for the job site conditions during the course of the construction of the project, including safety of all persons and not limited to normal working hours. the contractor shall indemnify and hold the owner and the engineer harmless from any and all liability real or alleged in the connection with the performance of work on the project, excepting for liability rising from the sole negligence of the owner or the engineer. - The contract structural drawings and specifications represent the finished structure. they do not indicate the method of construction, the contractor shall provide all measures necessary to protect the structure during construction. such measures shall include but are not limited to bracing, shoring for loads due to construction equipment, temporary structural and partial structures, and partially completed work, etc. observation visits to the site by the structural engineer shall not include inspection of these protection measures. - Contractor shall verify all measurements and take all necessary field measurements prior to fabrication. - Contractor's scope of work includes the coordinating of the work of all subcontractors and consultants. - Any damage to the existing building and its contents during the execution of this work shall be repaired or restored to original condition at the contractor's expense. - Contractor shall maintain a set of as-built drawings of all work as it progresses on the job site. - Access to fire safety equipment must be provided and maintained serviceable prior to and during construction. - Contractor to remove all excavated material and debris. - New concrete to be 2500 PSI strength after 28 days. - Parking lot striping is the responsibility of others.	The system shall be designed in full compliance with the latest edition of the applicable sections of the following codes, standards, and guidelines. Where conflict exists, contractor shall follow the most stringent requirements. in case of a conflict between the uniform fire code, national fire prevention association and OSHA standards, the most stringent condition shall apply: 2010 National Fire Protection Association (NFPA)-#52-2010 National Electric Code (NEC) Underwriters Laboratory (UL) or Factory Mutual (FM)	CS-100	Cover Sheet & Layout
			C-100	Site layout
			C-101	Enlarged Site Layout
			C-102	Fast Fill Site Layout
			C-200	Concrete Specs
			M-100	Mechanical P&ID Details
			M-200	Compressor
			M-300	Dispenser Card Reader Details
			M-400	CNG Storage Tank Details
			E-100	Electrical Single Line Diagram

CONSTRUCTION WARNING:

THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THE PLANS WERE MADE BY SEARCHING AVAILABLE EXISTING RECORDS. HOWEVER, NO GUARANTEE IS MADE THAT SUBSTRUCTURES OR THEIR LOCATIONS ARE EXACT. THE CONTRACTOR SHALL TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITY LINES INCLUDING THOSE NOT SHOWN OR NOT ON RECORD BY CALLING USA 48 HOURS BEFORE EXCAVATING. CONTRACTOR SHALL EXPOSE AND POT HOLE (HAND DIG) ALL EXISTING UTILITIES WITHIN CONSTRUCTION ZONE.



Owner:
City Of Grand Junction
333 West Avenue
Grand Junction, CO 81501

Revisions:		
01	11/12/2010	80% Preliminary
02	11/19/10	90% Preliminary
03	11/30/10	Final
04	12/06/2010	Added Trenching
05	4/11/2011	As Builts

Drawn By:	J.V.
Checked By:	B.B.
Date:	12/06/10
Scale:	As Noted
Job No.	

Site Information:

GRAND JUNCTION
UPGRADE FOR FAST FILL TO EXISTING CNG STATION
333 WEST AVENUE
GRAND JUNCTION, CO 81501

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Seal:

Plans Prepared By:

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GAS EQUIPMENT SYSTEMS, INC.
Specialists in Gas Compression Equipment for NGV's
8753 LION STREET RANCHO CUCAMONGA, CA 91730 OFFICE: (909) 466-6920 LICENSE# 763360

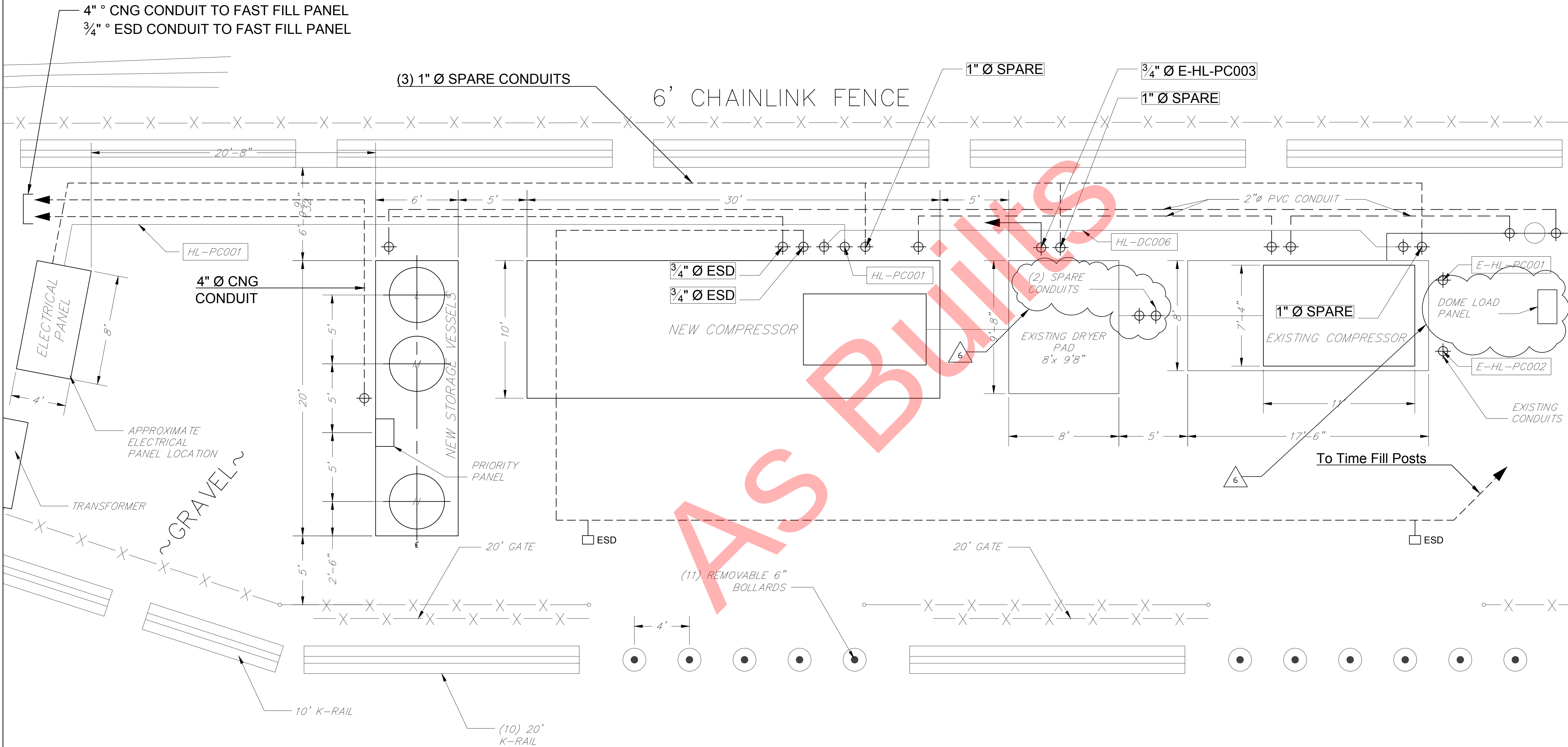
Sheet Title:

SITE LAYOUT

Sheet Number:

C-100

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Owner:
City Of Grand Junction
333 West Avenue
Grand Junction, CO 81501

Revisions:		
01	11/12/2010	80% Preliminary
02	11/19/10	90% Preliminary
03	12/06/10	Added PVC Conduit
04	12/06/10	Updated Design Template
05	12/09/10	Final
06	5/11/2011	As Builts

Drawn By:	J.V.
Checked By:	B.B.
Date:	12/06/10
Scale:	As Noted
Job No.	

Site Information:

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UPGRADE FOR FAST FILL TO EXISTING CNG STATION
333 WEST AVENUE
GRAND JUNCTION, CO 81501

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Plans Prepared By:

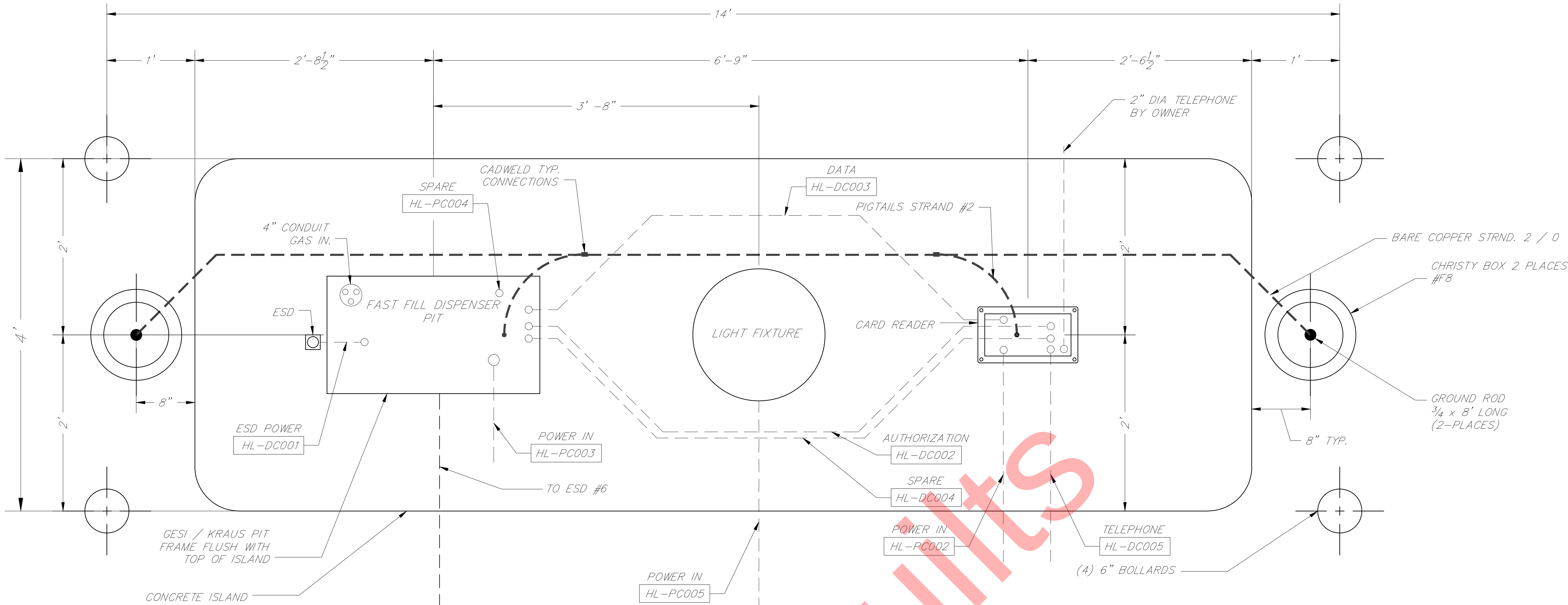
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Sheet Title:

CIVIL LAYOUT

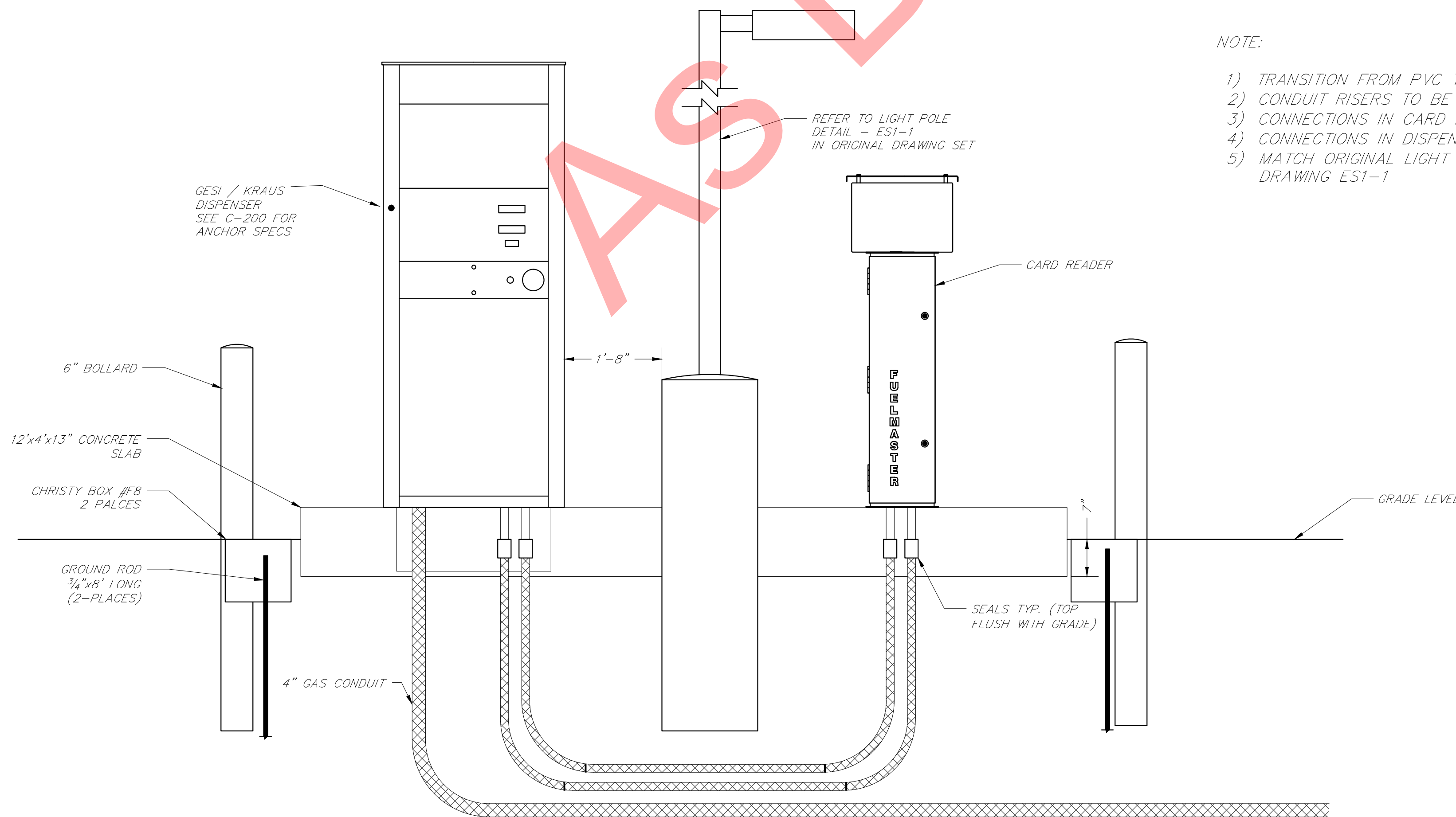
Sheet Number:

C-101



1 { Fast Fill Island Layout }

Scale
1 1/2" = 1'-0"



2 { Fast Fill Island Elevation }

Scale
3/4" = 1'-0"

Owner:
City Of Grand Junction
333 West Avenue
Grand Junction, CO 81501

Revisions:		
01	11/12/2010	80% Preliminary
02	11/19/10	90% Preliminary
03	12/06/10	Added Light Fixture
04	12/06/10	Updated Design Template
05	12/08/10	Final
06	4/12/2011	As Builts

Drawn By:	J.V.
Checked By:	B.B.
Date:	12/06/10
Scale:	As Noted
Job No.	

Site Information:

GRAND JUNCTION
UPGRADE FOR FAST FILL TO EXISTING CNG STATION
333 WEST AVENUE
GRAND JUNCTION, CO 81501

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Plans Prepared By:

GESI
GAS EQUIPMENT SYSTEMS, INC.
Specialists in Gas Compression Equipment for NGV's
8753 LION STREET RANCHO CUCAMONGA, CA 91730 OFFICE: (909) 466-6920 LICENSE# 763360

Sheet Title:

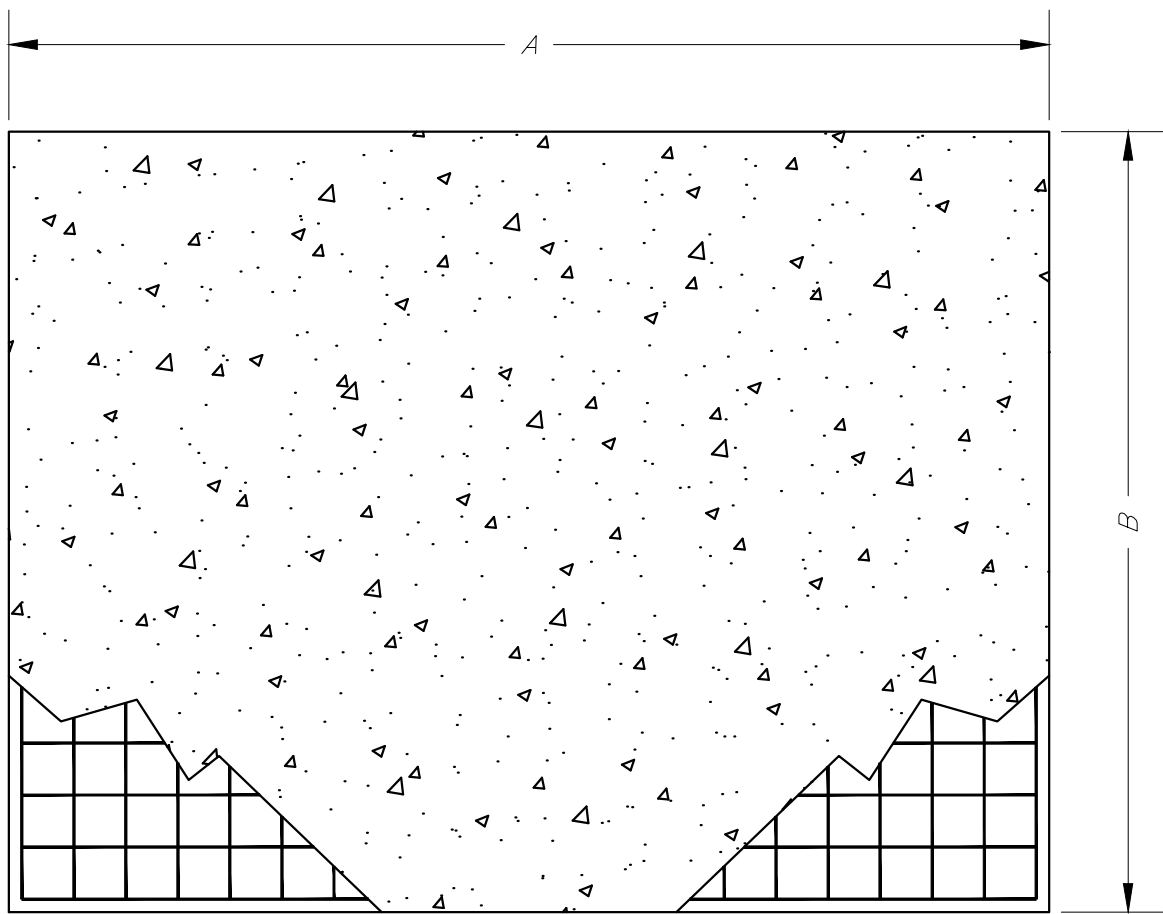
**FAST FILL
LAYOUT**

Sheet Number:

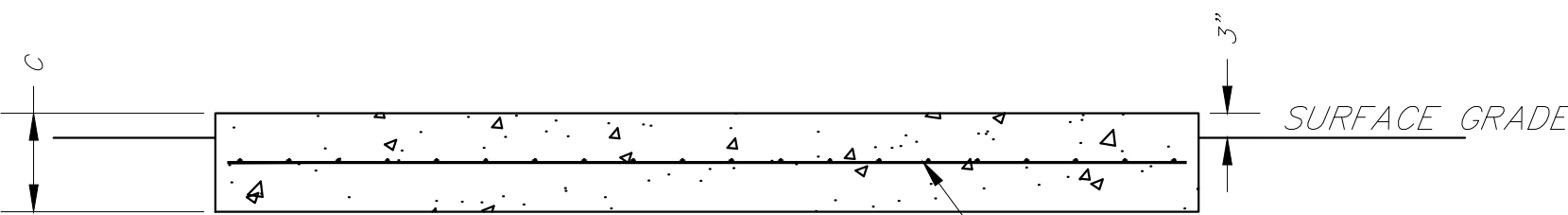
C-102

EQUIPMENT PAD FOUNDATIONS LIST						
ID	DESCRIPTION	"A"	"B"	"C"	BOLT	MATTE LOCATION
P1	STORAGE VESSEL	20'-0"	6'0"	18"	3/4"Ø	#5-8" O/C-MID. HT.
P3	FAST FILL DISPENSER	12'-0"	4'-0"	13"	NOTE	#5-12" O/C-MID. HT.
P3	CARD READER	12'-0"	4'-0"	13"	3/8"Ø	#5-12" O/C-MID. HT.

FAST FILL DISPENSER NOTE:
1. ANCHOR FAST FILL DISPENSER TO EXISTING PIT FRAME
WHICH INCLUDE 1/2" NC BOLTS ON FRAME



PAD PLAN VIEW



PAD CROSS-SECTION

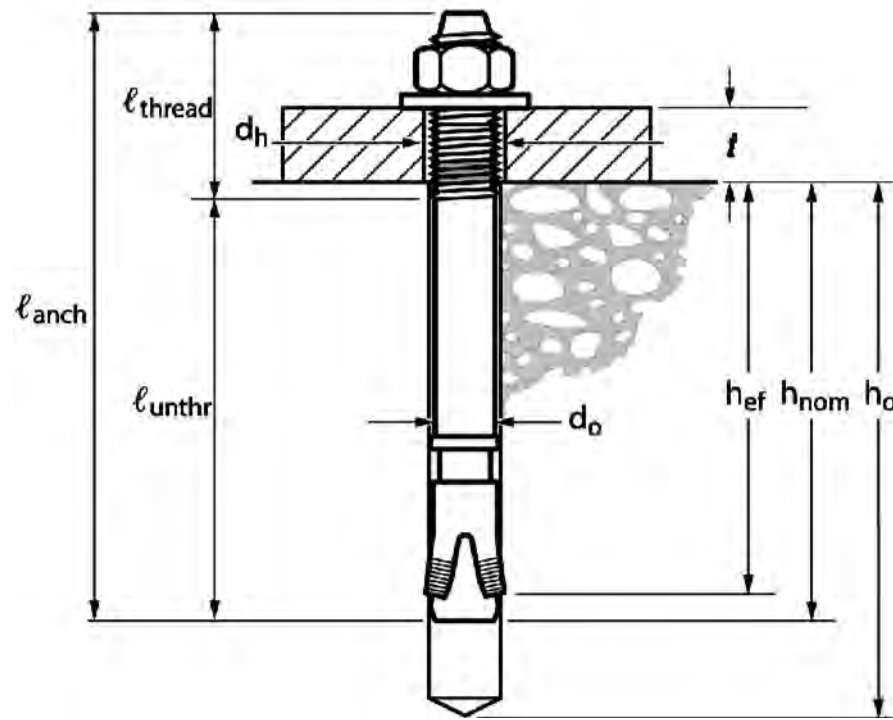
SEE NOTES FOR REBAR GRADE & SPACING

- EQUIPMENT PAD NOTES:
1. CONCRETE DESIGNED FOR 2500 PSI AFTER 28 DAYS, USE 3000 PSI, NO SPECIAL INSPECTION REQUIRED. 2% SLOPE WITH BROOM FINISH.
 2. POSITION REBAR NO CLOSER THAN 3" TO EDGE.
 3. ALL EQUIPMENT WILL BE ANCHORED AFTER PLACEMENT.

- EQUIPMENT INSTALLATION NOTES:
1. USE HILTI KWIK BOLT TZ ANCHORS.
 2. TRANSFER DRILL HOLES THRU EQUIPMENT MOUNTING BRACKETS. DRILL HOLE SAME SIZE AS THE NOMINAL DIAMETER OF THE KWIK BOLT TZ ANCHOR. HOLE DEPTH MUST EXCEED THE ANCHOR EMBEDMENT BY AT LEAST 1/4".
 3. CLEAN OUT DRILLED HOLE USING COMPRESSED AIR.
 4. DRIVE THE ANCHOR INTO THE HOLE USING A HAMMER. THE ANCHOR MUST BE DRIVEN UNTIL AT LEAST FOUR (4) THREADS ARE BELOW THE SURFACE OF THE MOUNTING BRACKET.
 5. TIGHTEN THE NUT TO THE RECOMMENDED INSTALLATION TORQUE.

SETTING INFORMATION	Symbol	Units	Nominal anchor diameter (in.)							
			3/8	1/2	5/8	3/4	3/8	1/2	5/8	3/4
Anchor O.D.	d_o	in. (mm)	0.375 (9.5)	0.5 (12.7)	0.625 (15.9)	0.75 (19.1)				
Nominal bolt diameter	d_{bt}	in.	3/8	1/2	5/8	3/4				
Effective min. embedment	h_{ef}	in. (mm)	2 (51)	2 (51)	3-1/4 (83)	4 (102)	3-3/4 (95)	4-3/4 (121)		
Min. hole depth	h_o	in. (mm)	2-5/8 (67)	2-5/8 (67)	4 (102)	3-3/4 (95)	4-5/8 (121)	5-3/4 (146)		
Min. thickness of fixture ¹	t_{min}	in. (mm)	1/4 (6)	3/4 (19)	1/4 (6)	3/8 (9)	3/4 (19)	1/8 (3)	1-5/8 (41)	
Max. thickness of fixture	t_{max}	in. (mm)	2-1/4 (57)	4 (101)	2-3/4 (70)	5-5/8 (143)	4-3/4 (121)	4-5/8 (117)	3-5/8 (92)	
Installation torque	T_{inst}	ft-lb (Nm)	25 (34)	40 (54)	60 (81)	110 (149)				
Min. dia. of hole in fixture	d_h	in. (mm)	7/16 (11.1)	9/16 (14.3)	11/16 (17.5)	13/16 (20.6)				
Available anchor lengths	l_{anch}	in. (mm)	3 (76)	3-3/4 (95)	5 (127)	3-3/4 (95)	4-1/2 (114)	5-1/2 (140)	7 (178)	4-3/4 (121)
Threaded length including dog point	l_{thread}	in. (mm)	7/8 (22)	1-5/8 (41)	2-7/8 (73)	1-5/8 (41)	2-3/8 (60)	3-3/8 (86)	4-7/8 (125)	1-1/2 (38)
Unthreaded length	l_{unthr}	in. (mm)	2-1/8 (54)	2-1/8 (54)	3-1/4 (83)	3-1/4 (83)	4-1/2 (114)	4-3/8 (111)	5-3/8 (137)	
Installation embedment	h_{nom}	in. (mm)	2-1/4 (57)	2-3/8 (60)	3-5/8 (92)	3-5/8 (92)	4-1/2 (114)	4-3/8 (111)	5-3/8 (137)	

¹ The minimum thickness of the fastened part is based on use of the anchor at minimum embedment and is controlled by the length of the thread. If a thinner fastening thickness is required, increase the anchor embedment to suit.



Owner:
City Of Grand Junction
333 West Avenue
Grand Junction, CO 81501

Revisions:

01	11/12/2010	80% Preliminary
02	11/19/10	90% Preliminary
03	12/06/10	Updated Design Template
04	12/08/10	Final
05	12/08/2011	Added Dispenser Anchor Note

Drawn By:	J.V.
Checked By:	B.B.
Date:	12/06/10
Scale:	As Noted
Job No.	

Site Information:

GRAND JUNCTION
UPGRADE FOR FAST FILL TO EXISTING CNG STATION
333 WEST AVENUE
GRAND JUNCTION, CO 81501

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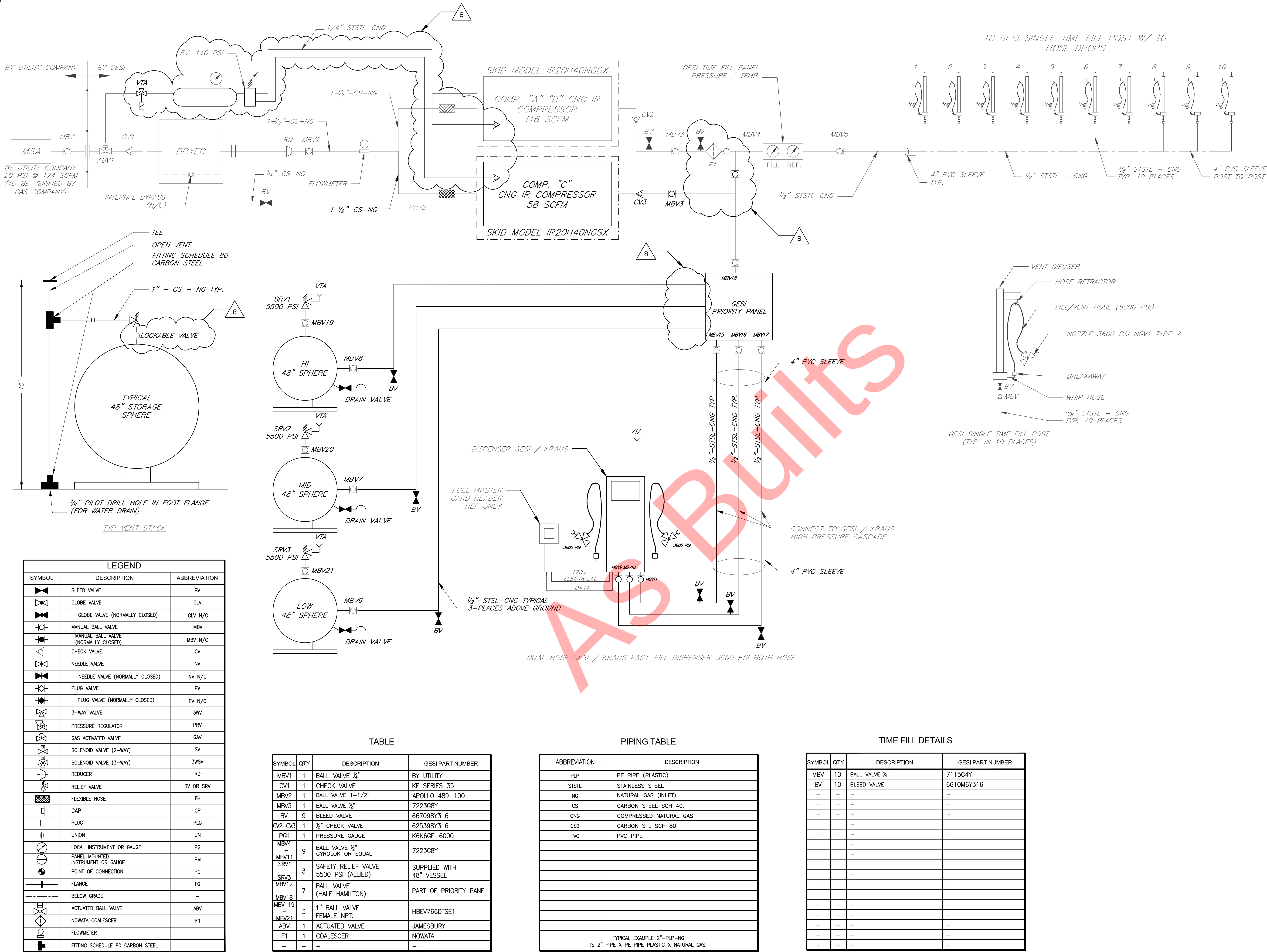
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GAS EQUIPMENT SYSTEMS, INC.
Specialists in Gas Compression Equipment for NGV's
8753 LION STREET RANCHO CUCAMONGA, CA 91730 OFFICE: (909) 466-6920 LICENSE# 783360

Sheet Title:

CONCRETE
SPECS

Sheet Number:

C-200



Owner:

City Of Grand Junction

333 West Avenue

Grand Junction, CO 81501

Revisions:

01	11/12/2010	80% Preliminary
02	11/19/10	90% Preliminary
03	11/26/10	1/4" CNG Line Added
04	12/6/10	Added Nowata Coalescer
05	12/6/10	Updated Design Template
06	12/10/10	Final
07	2/14/2011	Faded Existing
08	4/6/2011	As Built Modifications

Drawn By:

J.V.

Checked By:

B.B.

Date:

12/06/10

Scale:

As Noted

Job No.

Site Information:

GRAND JUNCTION

UPGRADE FOR FAST FILL TO EXISTING CNG STATION

333 WEST AVENUE

GRAND JUNCTION, CO 81501

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Plans Prepared By:

GESI

GAS EQUIPMENT SYSTEMS, INC.

Specialists in Gas Compression Equipment for NGV's

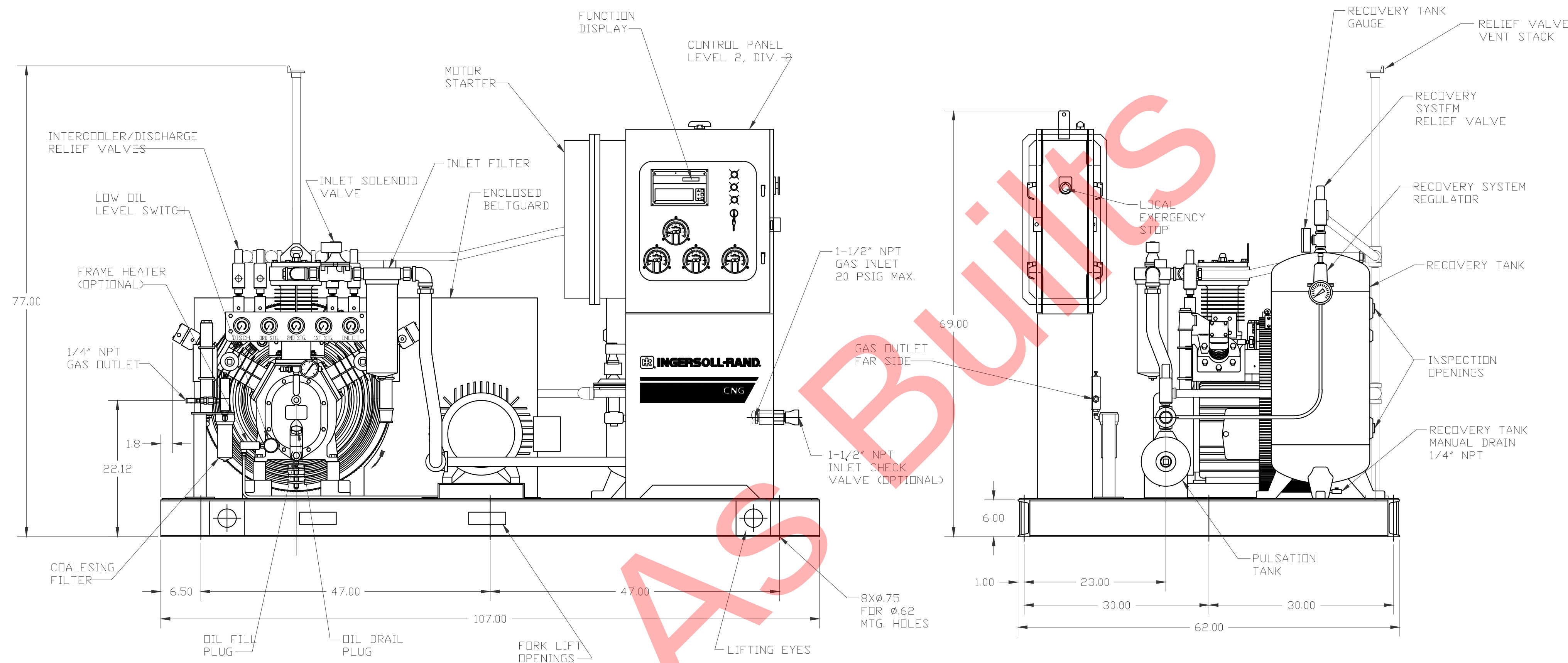
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Sheet Title:

P&ID

Sheet Number:

M-100



- NOTES:
1. FOUNDATION OR FLOOR MUST BE LEVEL AND SUPPORT THE UNIT EQUALLY; IF NECESSARY SHIM OR GROUT.
 2. FOUNDATION BOLTS SHOULD PROJECT THRU NUTS AT LEAST 1/2\"

INGERSOLL-RAND Co.
RECIPROCATING COMPRESSOR DIVISION
SMALL COMPRESSOR BUSINESS UNIT
CAMBELLSVILLE, KY
REF: SIMPLEX CNG, (LEVEL II, DIV. 2)
TITLE
GENERAL ARRANGEMENT, 20H40NGSX

Owner:
City Of Grand Junction
333 West Avenue
Grand Junction, CO 81501

Revisions:		
01	11/12/2010	80% Preliminary
02	11/19/10	90% Preliminary
03	11/30/10	Updated Design Template
04	12/08/10	Final

Drawn By:	J.V.
Checked By:	B.B.
Date:	12/06/10
Scale:	As Noted
Job No.	

Site Information:

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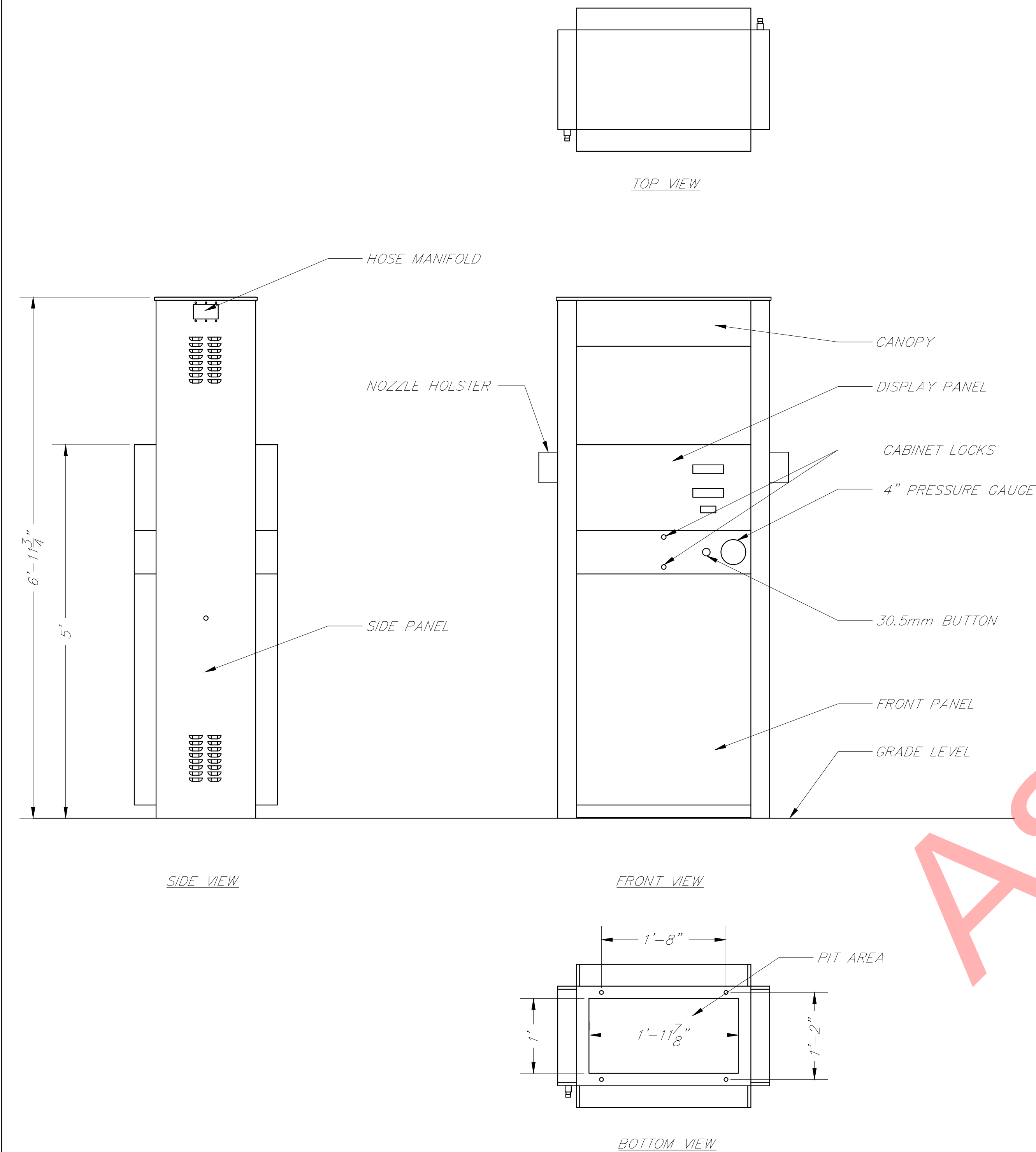
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GAS EQUIPMENT SYSTEMS, INC.
Specialists in Gas Compression Equipment for NGV's
8753 LION STREET
RANCHO CUCAMONGA, CA 91730
OFFICE: (909) 466-6920
LICENSE# 783360

Sheet Title:

COMPRESSOR

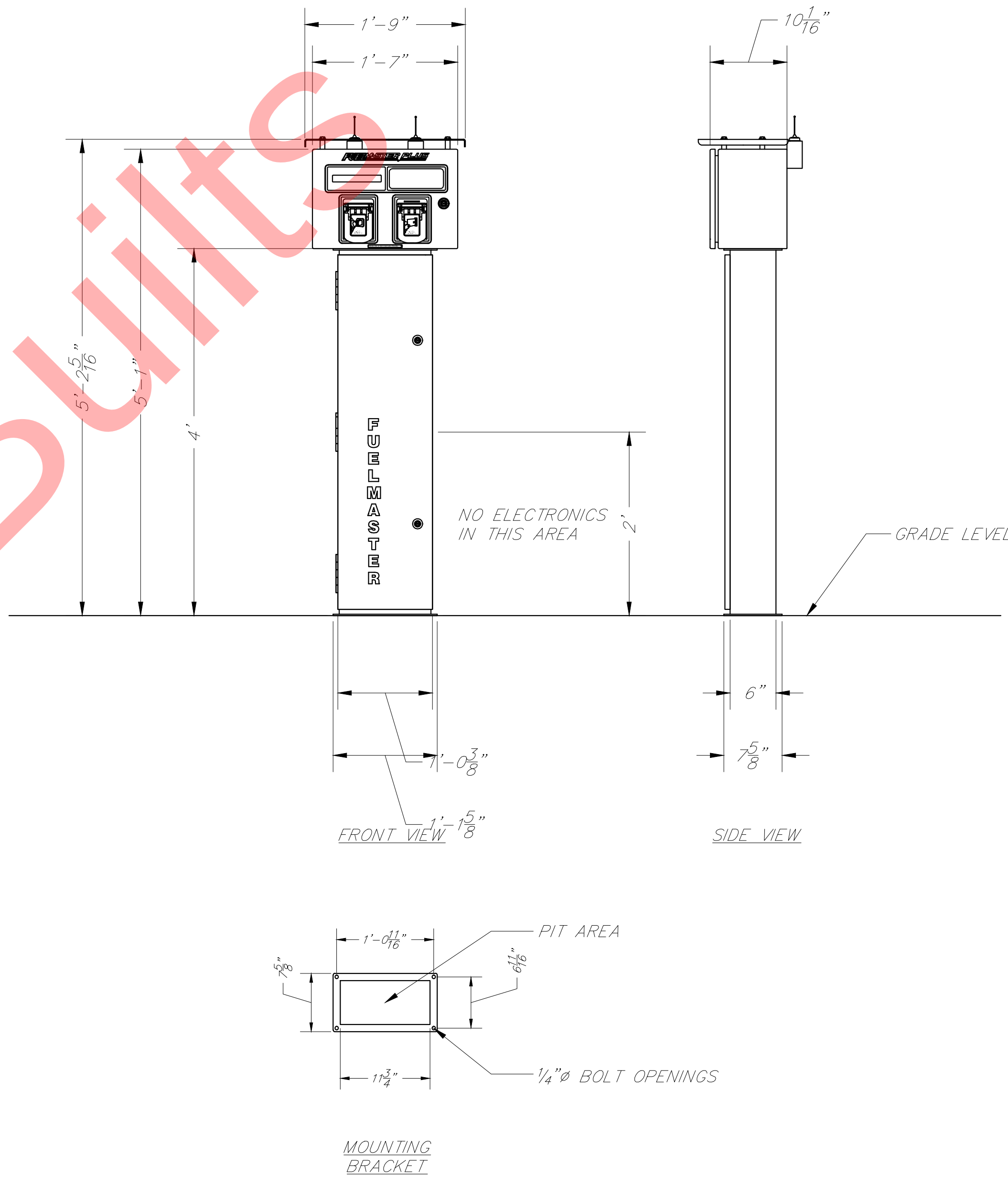
Sheet Number:

M-200



NOTE:
THIS DRAWING SHOWS A GEN3 CABINET WITH FRONT CONTROLS
EQUIPPED WITH TYPICAL SIDE PANELS. CANOPY COVER & BRACKETS,
DASH PANELS AND DISPLAY PANELS.

DISPENSER ANCHORED TO EXISTING PIT FRAME- SEE C-200 FOR DETAILS



Owner:
City Of Grand Junction
333 West Avenue
Grand Junction, CO 81501

Revisions:		
01	11/12/2010	80% Preliminary
02	11/19/10	90% Preliminary
03	11/30/10	Updated Design Template
04	12/8/10	Final
05	4/11/2011	As Builts

Drawn By:	J.V.
Checked By:	B.B.
Date:	12/06/10
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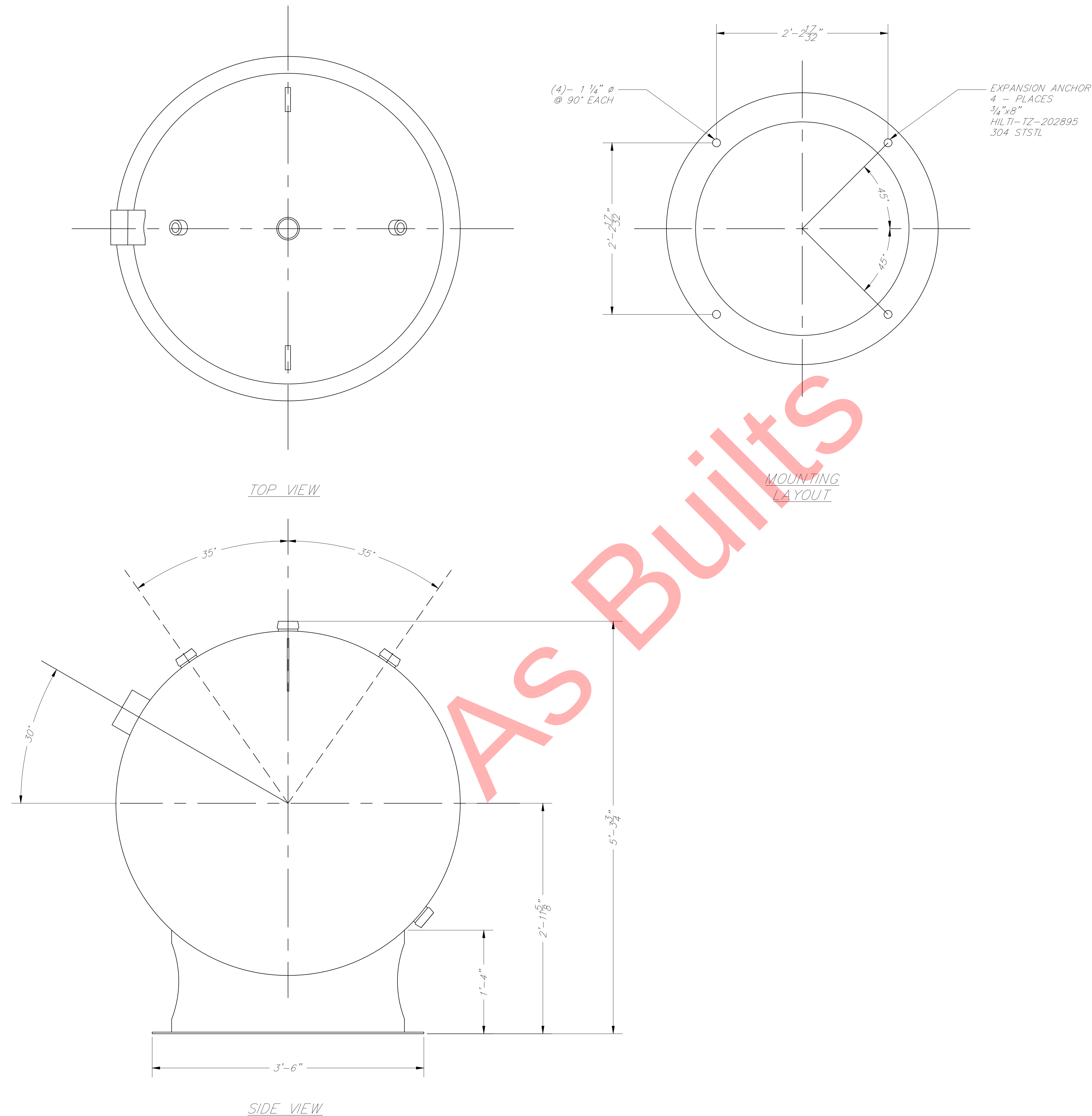
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Sheet Title:

**DISPENSER /
CARD READER**

Sheet Number:

M-300



Owner:
City Of Grand Junction
333 West Avenue
Grand Junction, CO 81501

Revisions:		
01	11/12/2010	80% Preliminary
02	11/19/10	90% Preliminary
03	12/07/10	Updated Design Template
04	12/08/10	Final

Drawn By:	J.V.
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Sheet Title:

CNG STORAGE

Sheet Number:

M-400

ELECTRICAL POWER CONDUIT SCHEDULE					
#	SIZE	WIRE	FROM	TO	NOTES
E-NHL-UTILITY.1	(2) 3"	4 x #350MCM 1 X1 (GRD) IN EACH	UTILITY TRANSFORMER	CT's & METER	VERIFY ALL REQUIREMENTS WITH LOCAL UTILITY COMPANY
E-NHL-UTILITY.2	(2) 3"	4 x #350MCM 1 X1 (GRD) IN EACH	CT's & METER	SERVICE "MSCG"	-
E-HL-PC001	1 1/4"	3 x #4 1 x#8 (GRD)	SERVICE "MSCG"	COMPRESSOR A	-
E-HL-PC002	1 1/4"	3 x #4 1 x#8 (GRD)	SERVICE "MSCG"	COMPRESSOR B	-
E-HL-PC003	3/4"	3 x#10 1x#10 (GND)	SERVICE "MSCG"	DRYER POWER	REFER TO ES-1-3 FOR ALL CONDUIT, CONDUCTOR AND CIRCUIT BREAKER REQUIREMENTS
E-NHL-PC001	1"	2 x #6 1 x#10 (GRD)	SERVICE "MSCG"	TRANSFORMER IN MINI PANEL "LV1"	-
E-NHL-PC002	3/4"	2 x #10 1 x#10	MINI PANEL "LV1"	AREA POLE LIGHTING	SEE SITE PLAN FOR LOCATIONS
HL-PC001	1 1/4"	3 x#4 1 x#8 (GND)	SERVICE "MSCG"	COMPRESSOR C	-
HL-PC002	3/4"	2 x#12 1 x#12 (GND)	MINI PANEL "LV1"	CARD READER	-
HL-PC003	3/4"	3 x#12 1 x#12 (GND)	MINI PANEL "LV1"	FAST FILL DISPENSER	-
HL-PC004	3/4"	NOT APPLICABLE	MINI PANEL "LV1"	FAST FILL DISPENSER	VERIFY ALL REQUIREMENTS WITH LOCAL UTILITY COMPANY
HL-PC005	3/4"	3 x#12 1 x#12 (GND)	MINI PANEL "LV1"	FAST FILL ISLAND LIGHT	-

ELECTRICAL DATA CONDUIT SCHEDULE					
#	SIZE	WIRE	FROM	TO	NOTES
E-HL-DC001	3/4"	2 x#16 1 x#16 (GND)	CNG CONTROL PANEL	EMERGENCY ESD PUSH BUTTONS	REMOTE LOCATION SEE E-100
HL-DC001	3/4"	2 x#16 1 x#16 (GND)	CNG CONTROL PANEL	EMERGENCY ESD PUSH BUTTONS	REMOTE LOCATION SEE E-100
HL-DC002	3/4"	5 X #14 (RD, RD, GN, BE, BE)	CARD READER	FAST FILL DISPENSER	-
HL-DC003	3/4"	2 x BELDEN #9180 OR EQUAL	FAST FILL DISPENSER	CARD READER	DATA / MONITORING
HL-DC004	3/4"	NOT APPLICABLE	CARD READER	FAST FILL DISPENSER	CONDUIT ONLY
HL-DC005	3/4"	(1) CATSE CABLE	CARD READER	OWNER'S TELEPHONE BACKBOARD	COMMUNICATION
HL-DC006	3/4"	REQUIRED COMMUNICATION AND MONITORING CABLES	CNG CONTROL PANEL #1	CNG CONTROL PANEL #2	DATA / MONITORING

- NOTES:
- ALL WIRE TO BE THWN, CU, STRANDED UNLESS OTHERWISE NOTED
 - ALL CALLOUTS NOTED WITH "N-HL, HL-PL & HL-DC" SHALL BE NEW AND SHALL FOR NEW ADDITIONS (COMPRESSOR #3 AND FAST FILL SYSTEM)
 - ALL SWITCHBOARDS CONFORM TO U.I., ANSI, AND NEMA STANDARDS
 - ALL CIRCUIT BREAKERS ARE LOCKABLE

EXISTING LOAD SUMMARY:

COMPRESSOR A	=	43.4 KVA
COMPRESSOR B	=	43.9 KVA
DRYER	=	15.8 KVA
MINI LOW VOLTAGE PANEL LV1	=	30.0 KVA
CONNECTED LOAD	=	133.1 KVA
43.4 KVA x 25% (LCL PER N.E.C.)	=	14.7 KVA
TOTAL LOAD	=	147.8 KVA
		177.8 AMPS
		@ 480/277V, 3Ø 4W.

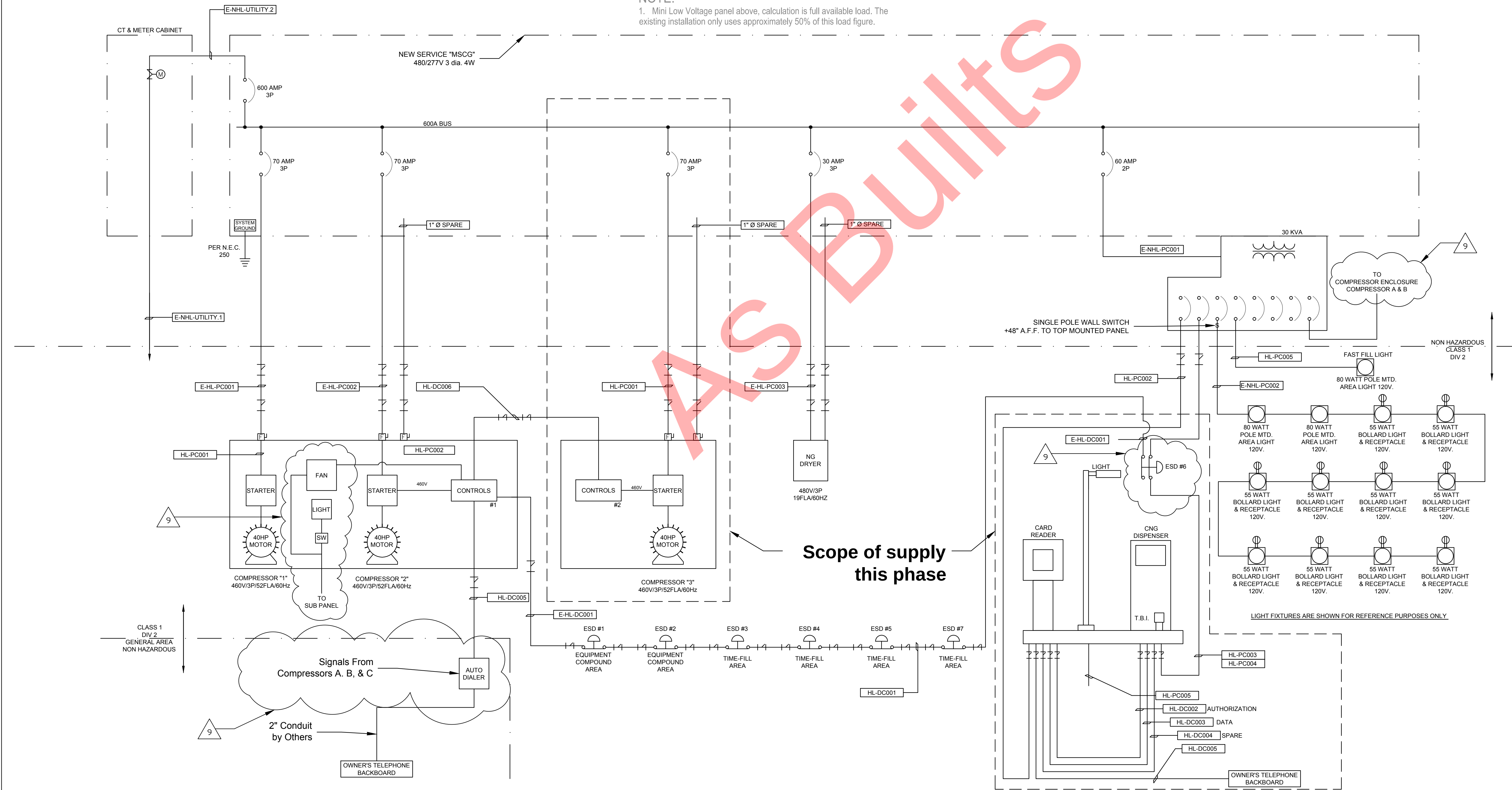
Additional Load Summary This Phase

Compressor C	=	43.9 KVA
CONNECTED LOAD	=	43.9 KVA
43.9 KVA x 25% (LCL PER N.E.C.)	=	10.98 KVA
TOTAL LOAD	=	54.88 KVA
		66.1 AMPS
		@ 480/277V / 3Ø 4W.

Area Light	=	0.8 KVA
CNG Dispenser	=	0.6 KVA
Card Reader	=	0.6 KVA
CONNECTED LOAD	=	1.28 KVA
1.28 KVA x 25% (LCL PER N.E.C.)	=	.32 KVA
TOTAL LOAD	=	1.6 KVA
		13.33 AMPS
		@ 120V / 1Ø

NOTE:

- Mini Low Voltage panel above, calculation is full available load. The existing installation only uses approximately 50% of this load figure.



Owner:
City Of Grand Junction
333 West Avenue
Grand Junction, CO 81501

Revisions:		
01	11/12/2010	80% Preliminary
02	11/19/10	90% Preliminary
03	11/22/10	Updated Conduit Line
04	12/06/10	Added ESD #7
05	12/06/10	Updated Design Template
06	12/08/10	Final
07	1/13/11	Updated E-HL-PC003
08	1/26/11	Added Fast Fill Load Summary
09	4/11/11	As BUILTS

Drawn By:	J.V.
Checked By:	B.B.
Date:	12/06/10
Scale:	As Noted
Job No.	

Site Information:

GRAND JUNCTION
UPGRADE FOR FAST FILL TO EXISTING CNG STATION
333 WEST AVENUE
GRAND JUNCTION, CO 81501

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Plans Prepared By:

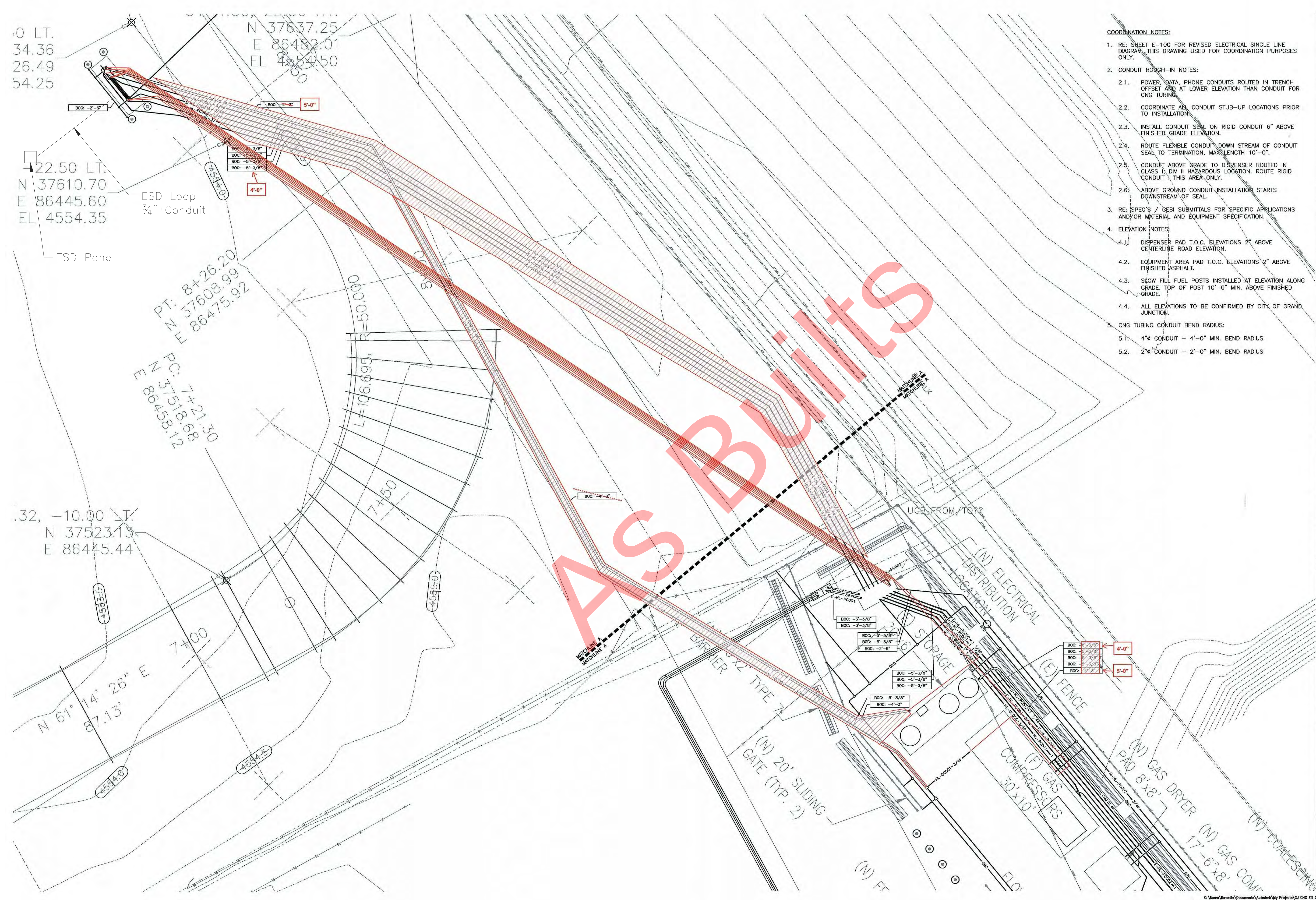
GES
GAS EQUIPMENT SYSTEMS, INC.
Specialists in Gas Compression Equipment for NGV's
8753 LION STREET OFFICE: (909) 466-6020
RANCHO CUCAMONGA, CA 91730 LICENSE# 783360

Sheet Title:

**ELECTRICAL
SINGLE LINE
DIAGRAM**

Sheet Number:

E-100



- COORDINATION NOTES:
1. RE: SHEET E-100 FOR REVISED ELECTRICAL SINGLE LINE DIAGRAM. THIS DRAWING USED FOR COORDINATION PURPOSES ONLY.
 2. CONDUIT ROUGH-IN NOTES:
 - 2.1. POWER, DATA, PHONE CONDUITS ROUTED IN TRENCH OFFSET AND AT LOWER ELEVATION THAN CONDUIT FOR CNG TUBING.
 - 2.2. COORDINATE ALL CONDUIT STUB-UP LOCATIONS PRIOR TO INSTALLATION.
 - 2.3. INSTALL CONDUIT SEAL ON RIGID CONDUIT 6" ABOVE FINISHED GRADE ELEVATION.
 - 2.4. ROUTE FLEXIBLE CONDUIT DOWN STREAM OF CONDUIT SEAL TO TERMINATION, MAX LENGTH 10'-0".
 - 2.5. CONDUIT ABOVE GRADE TO DISPENSER ROUTED IN CLASS I, DIV II HAZARDOUS LOCATION. ROUTE RIGID CONDUIT 1' THIS AREA ONLY.
 - 2.6. ABOVE GROUND CONDUIT INSTALLATION STARTS DOWNSTREAM OF SEAL.
 3. RE: SPEC'S / GESI SUBMITTALS FOR SPECIFIC APPLICATIONS AND/OR MATERIAL AND EQUIPMENT SPECIFICATION.
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 - 4.1. DISPENSER PAD T.O.C. ELEVATIONS 2" ABOVE CENTERLINE ROAD ELEVATION.
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 5. CNG TUBING CONDUIT BEND RADIUS:
 - 5.1. 4" CONDUIT - 4'-0" MIN. BEND RADIUS
 - 5.2. 2" CONDUIT - 2'-0" MIN. BEND RADIUS

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01	11/12/2010	80% Preliminary
02	11/19/10	90% Preliminary
03	11/30/10	Final
04	12/06/2010	Added Trenching
05	4/11/2011	As Builts

Drawn By:	J.V.
Checked By:	B.B.
Date:	12/06/10
Scale:	As Noted
Job No.	

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Plans Prepared By:

GAS EQUIPMENT SYSTEMS, INC.
Specialists in Gas Compression Equipment for NGV's

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RANCHO CUCAMONGA, CA 91730

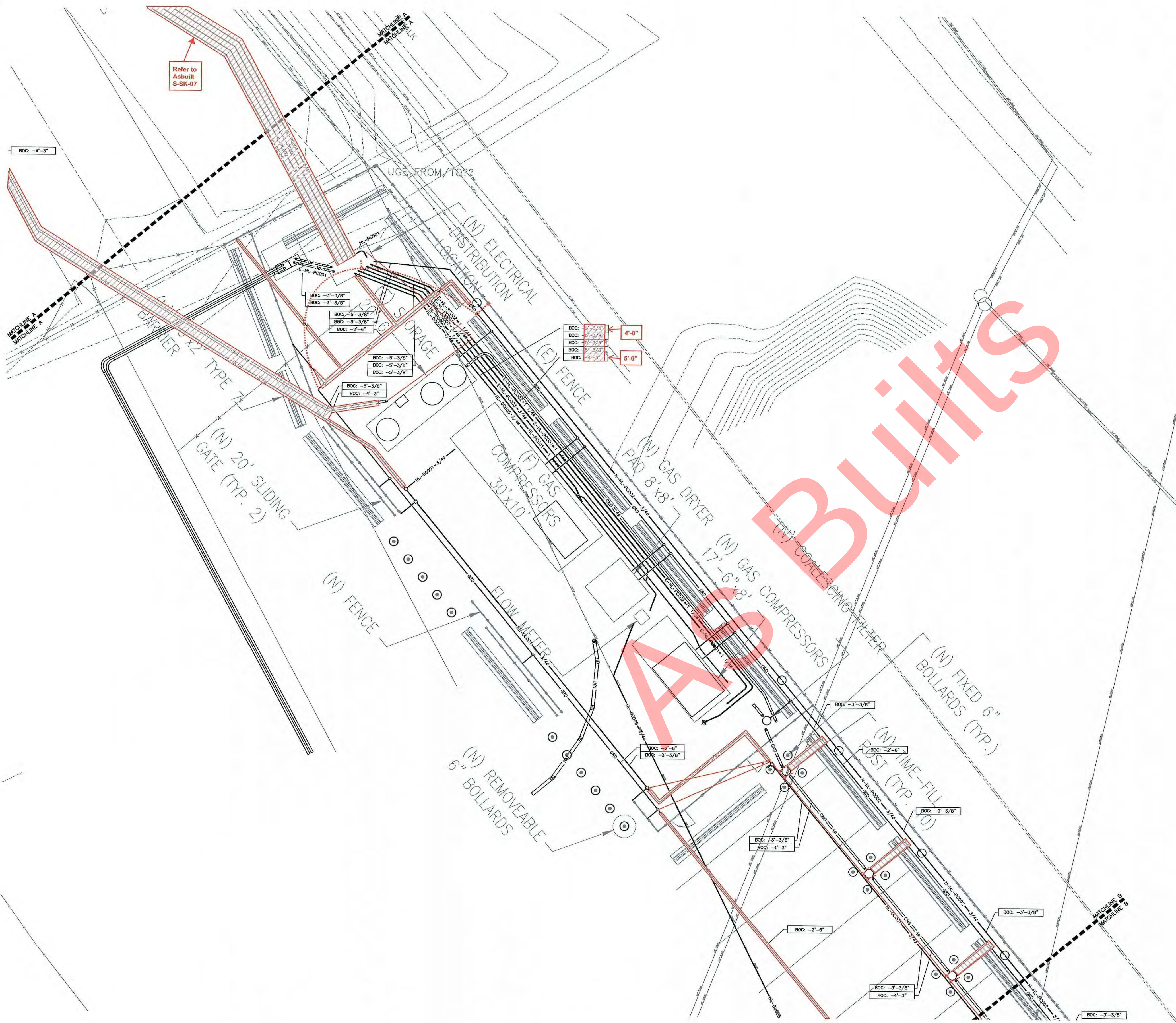
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LICENSE# 763360

Sheet Title:

**Tusca II
Conduit Runs**

Sheet Number:

T.001



- COORDINATION NOTES:
1. RE: SHEET E-100 FOR REVISED ELECTRICAL SINGLE LINE DIAGRAM. THIS DRAWING USED FOR COORDINATION PURPOSES ONLY.
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Drawn By:

J.V.

Checked By:

B.B.

Date:

12/06/10

Scale:

As Noted

Job No.:

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Plans Prepared By:

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RANCHO CUCAMONGA, CA 91730

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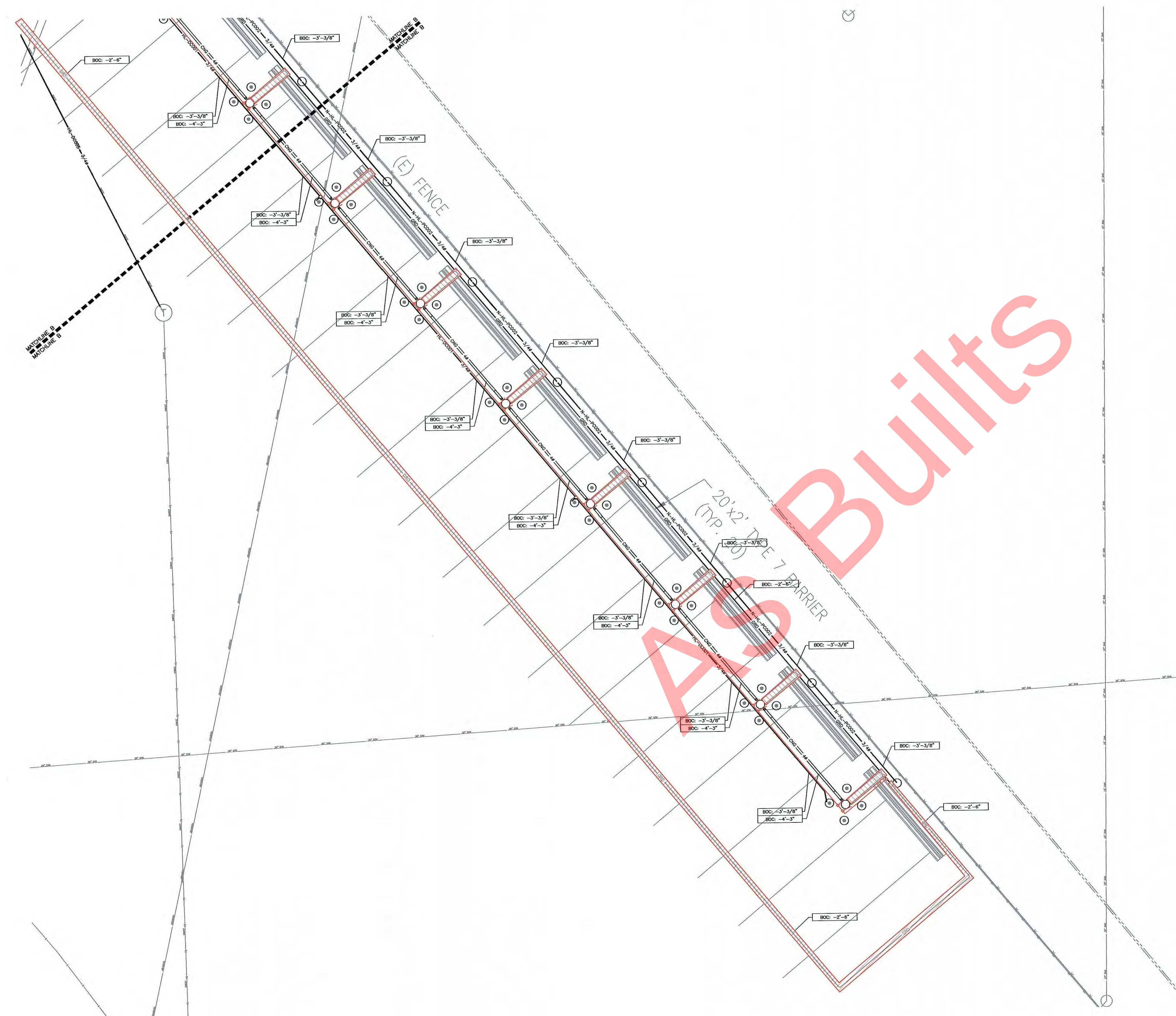
Tusca II

Conduit Runs

Sheet Number:

T.002

1 { Tusca II Conduit Runs }



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Drawn By:

J.V.

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B.B.

Date:

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As Noted

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Sheet Title:

Tusca II

Conduit Runs

Sheet Number:

T.003

1 { Tusca II Conduit Runs }