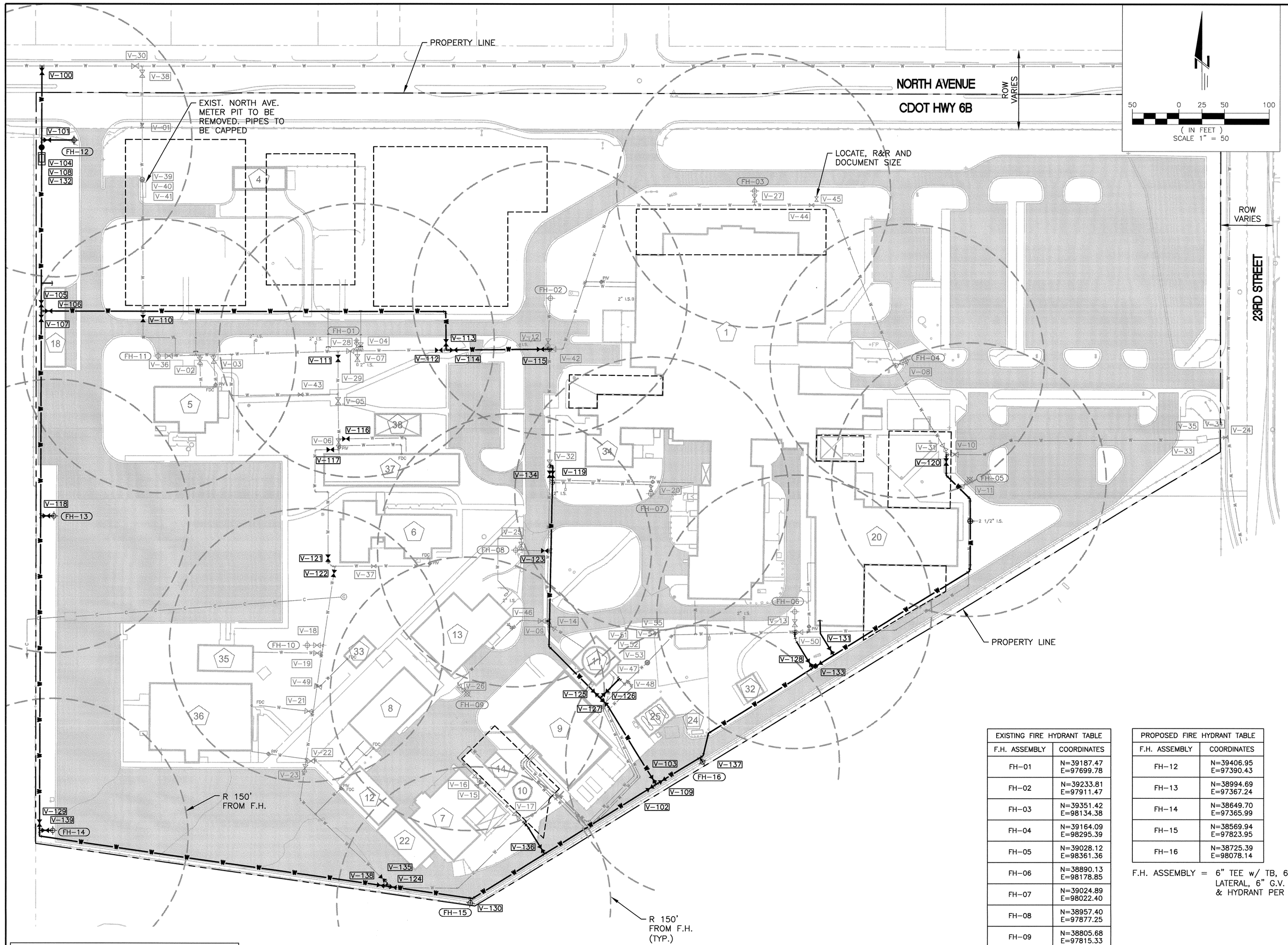

EXISTING VALVE COORDINATE TABLE					
VALVE #	STATUS	BUILDING	COORDINATES	ACTION	SIZE
V-01	N.O.	–	N=39422.87 E=97465.68	A	–
V-02	N.O.	5	N=39169.31 E=97528.82	R&R	2"
V-03	N.C.	5	N=39166.85 E=97543.72	R&R	4"
V-04	N.O.	2	N=39176.80 E=97704.41	R&C	2"
V-05	N.O.	–	N=39120.94 E=97679.52	R&R	6"
V-06	N.O.	37	N=39072.44 E=97680.18	R&R	6"
V-07	N.C.	37	N=39173.98 E=97700.74	R&R	2"
V-08	N.O.	–	N=39161.73 E=98289.95	R&R	6"
V-09	N.O.	13	N=38879.89 E=97905.78	R&R	6"
V-10	N.O.	–	N=39062.55 E=98346.77	R&R	6"
V-11	N.O.	–	N=39026.13 E=98359.94	R&R	6"
V-12	N.O.	–	N=39179.62 E=97908.66	R&R	6"
V-13	N.O.	–	N=38877.66 E=98178.94	R&R	6"
V-14	N.O.	–	N=38873.17 E=97913.21	R&R	8"
V-15	N.O.	–	N=38702.11 E=97834.58	R&R	2"
V-16	–	–	N=38704.67 E=97833.57	R&R	2"
V-17	N.O.	–	N=38666.12 E=97874.33	R&R	UNK
V-18	N.O.	–	N=38853.07 E=97656.29	R&R	6"
V-19	N.O.	–	N=38844.37 E=97659.92	–	2"
V-20	N.O.	–	N=39025.24 E=98022.41	R&R	6"
V-21	N.O.	36	N=38780.70 E=97646.87	–	2"
V-22	N.O.	8	N=38726.20 E=97647.27	R&R	4"
V-23	N.O.	12	N=38718.30 E=97642.47	R&R	6"
V-24	N.O.	–	N=39081.83 E=98651.52	R&R	6"
V-25	N.O.	–	N=38958.90 E=97879.49	R&R	4"
V-26	N.O.	–	N=38808.30 E=97812.86	R&R	6"
V-27	N.O.	–	N=39347.59 E=98134.49	R&R	6"
V-28	N.O.	–	N=39178.23 E=97700.24	R&R	6"
V-29	N.O.	–	N=39175.83 E=97692.85	R&R	6"
V-30	N.O.	–	N=39488.14 E=97457.80	R	–
V-31	N.O.	–	N=39063.76 E=98344.25	R&R	8"
V-32	N.O.	–	N=39060.62 E=97911.21	R	8"
V-33 *	N.O.	–	N=39078.69 E=98623.55	R&R	6"
V-34 *	N.O.	–	N=39079.25 E=98627.55	R&R	2"
V-35 *	N.O.	–	N=39080.37 E=98625.27	R&R	6"
V-36	N.O.	–	N=39170.37 E=97494.97	R&R	–
V-37	N.O.	–	N=38939.76 E=97718.85	R&R	4"
V-38	N.O.	–	N=39479.81 E=97465.68	R	–
V-39 *	N.O.	–	N=39356.76 E=97467.11	R	6"
V-40 *	N.O.	–	N=39354.91 E=97468.54	R	2"
V-41 *	N.O.	–	N=39352.76 E=97467.26	R	6"
V-42	N.O.	–	N=39177.98 E=97913.54	R&R	8"
V-43	N.C.	VA	N=39128.08 E=97638.23	R&R	6"
V-44	N.O.	VA	N=39335.98 E=98197.49	R&R	8"
V-45	N.C.	VA	N=39342.71 E=98202.83	R&R	UNK
V-46	N.O.	VA	N=38874.28 E=97866.94	R&R	4"
V-47	N.O.	VA	N=38812.20 E=97994.97	R&R	6"
V-48	N.O.	VA	N=38810.73 E=97999.48	R&R	6"
V-49	N.O.	–	N=38807.84 E=97657.40	R&R	4"
V-50	N.O.	–	N=38867.74 E=98183.98	R&R	6"
V-51**	N.O.	11	N=38856.68 E=97974.15	R&R	6"
V-52**	N.O.	11	N=38850.01 E=97978.26	R&R	6"
V-53**	N.O.	11	N=38848.39 E=97982.34	R&R	6"
V-54**	N.O.	11	N=38852.44 E=97979.29	R&R	6"
V-55**	N.O.	11	N=38853.66 E=97980.25	R&R	2"

PROPOSED VALVE COORDINATE TABLE		
VALVE #	COORDINATES	SIZE
V-100 *	N=39478.19 E=97354.55	8"
V-101	N=39406.97 E=97360.38	6"
V-102	N=38696.48 E=98021.32	8"
V-103	N=38706.41 E=98024.57	8"
V-104 *	N=39390.05 E=97354.27	8"
V-105	N=39227.47 E=97353.65	8"
V-106	N=39219.47 E=97361.62	8"
V-107	N=39211.47 E=97353.60	8"
V-108	N=39387.12 E=97355.10	2"
V-109	N=38704.92 E=98034.91	8"
V-110	N=39211.38 E=97466.51	6"
V-111	N=39167.70 E=97679.52	6"
V-112	N=39176.78 E=97790.04	6"
V-113	N=39184.85 E=97797.96	8"
V-114	N=39176.93 E=97806.04	8"
V-115	N=39177.85 E=97900.57	8"
V-116	N=39079.53 E=97688.09	6"
V-117	N=39067.70 E=97670.93	6"
V-118	N=38994.75 E=97359.14	6"
V-119	N=39040.81 E=97913.81	8"
V-120	N=39054.64 E=98344.18	8"
V-121	N=38948.61 E=97668.46	6"
V-122	N=38931.85 E=97674.88	6"
V-123	N=38956.85 E=97905.23	6"
V-124	N=38588.36 E=97735.60	8"
V-125	N=38799.54 E=97955.36	8"
V-126	N=38801.05 E=97971.97	8"
V-127	N=38790.76 E=97970.94	8"
V-128	N=38830.42 E=98197.66	6"
V-129	N=38649.77 E=97354.22	6"
V-130	N=38573.10 E=97824.40	6"
V-131	N=38845.20 E=98220.39	2"
V-132	N=39387.15 E=97356.18	6"
V-133	N=38829.89 E=98201.53	8"
V-134	N=39040.20 E=97901.17	8"
V-135	N=38594.41 E=97731.47	6"
V-136	N=38629.45 E=97901.99	6"
V-137	N=38727.86 E=98076.61	6"
V-138	N=38589.07 E=97730.65	8"
V-139	N=38661.22 E=97363.73	8"

* V-100 AND V-104 TO BE PROVIDED BY THE CITY. TO BE INSTALLED UNDER THIS CONTRACT.

EXISTING FIRE HYDRANT TABLE	
F.H. ASSEMBLY	COORDINATES
FH-01	N=39187.47 E=97699.78
FH-02	N=39233.81 E=97911.47
FH-03	N=39351.42 E=98134.38
FH-04	N=39164.09 E=98295.39
FH-05	N=39028.12 E=98361.36
FH-06	N=38890.13 E=98178.85
FH-07	N=39024.89 E=98022.40
FH-08	N=38957.40 E=97877.25
FH-09	N=38805.68 E=97815.33
FH-10	N=38853.07 E=97645.54
FH-11	N=39170.36 E=97483.08

PROPOSED FIRE HYDRANT TABLE	
F.H. ASSEMBLY	COORDINATES
FH-12	N=39406.95 E=97390.43
FH-13	N=38994.69 E=97367.24
FH-14	N=38649.70 E=97365.99
FH-15	N=38569.94 E=97823.95
FH-16	N=38725.39 E=98078.14

F.H. ASSEMBLY = 6" TEE w/ TB, 6" LATERAL, 6" G.V. & BOX & HYDRANT PER SPEC.

* V-33, V-34, V-35, V-39, V-40, AND V-41 ARE INSTALLED IN METER PIT

** V-51 THRU V55 APPURTENANCES ARE LOCATED WITHIN THE METER PIT. SEE DETAIL C-7. ALL SHALL BE REPLACED WITH EQUAL OR BETTER IN THIS CONTRACT.

N.O. = NORMALLY OPEN
N.C. = NORMALLY CLOSED
R = REMOVE
R&R = REMOVE AND REPLACE
VA = VA VALVE LOCATIONS NOT VERIFIED BY SURVEY
A = ABANDONED CLOSED
R&C = REMOVE AND CAP

LEGEND

EXISTING		PROPOSED
⋈	GATE VALVE	⋈
⌖	FIRE HYDRANT	⌖
FH-00	FIRE HYDRANT LABEL	FH-00
V-00	VALVE LABEL	V-00
00	BUILDING NUMBER	
FDC	FIRE DEPARTMENT CONNECTION	
PIV	POST INDICATOR VALVE	
	CONCEPTUAL FUTURE BUILDING ENVELOPE	

NOTES:

1. ALL EXISTING WATER MAIN TO BE CONSIDERED 6" PVC UNLESS OTHERWISE NOTED (U.O.N.).
2. ALL NEW WATER MAIN TO BE CONSIDERED 8" PVC U.O.N.
3. ALL EXISTING VALVES TO BE REMOVED & REPLACED PER SPEC. U.O.N.
4. FIRE HYDRANT & VALVE SYMBOLS ARE EXAGGERATED FOR CLARITY, SEE FIRE HYDRANT & VALVE TABLE FOR ACTUAL COORDINATE LOCATION.
5. IF TRAFFIC FLANGE ELEVATION IS CALLED OUT AS 0.00' THE FLANGE SHALL BE SET 3" ABOVE EXISTING GRADE & SHALL NOT BE MORE THAN 3" ABOVE FINAL GRADE ± 2".

BENCHMARK:

PROJECT BENCHMARK CP2, PK & WASHER ON WEST END OF ISLAND BEING JUST EAST OF VA NORTH AVE. ENTRANCE. ELEVATION=4619.20 (NAVD 1988 DATUM).

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

UTILITY LOCATIONS:

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, VA, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST FORTY-EIGHT (48) HOURS BEFORE ANY EXCAVATION OR REQUEST TO EXACT FIELD LOCATIONS OF THE UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RECONFIGURE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.

CONSULTANTS:

SEAL: COLORADO REGISTERED DONALD A. GEURTS 33542 PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

CRG & ASSOCIATES ENGINEERING SERVICES

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CENTENNIAL, CO 80111
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PROJECT #311002

Drawing Title: FIRE HYDRANTS AND VALVES

Approved: Project Director

Project Title: REPLACE INCOMING WATER MAINS TO BUILDINGS

Location: GRAND JUNCTION, COLORADO

Date: 10/26/2011 | Checked: RAG | Drawn: JRF

Project Number: 575-11-RP-0059

Building Number: GJ-VAMC

Drawing Number: C-4 Dwg. 4 of 9

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

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