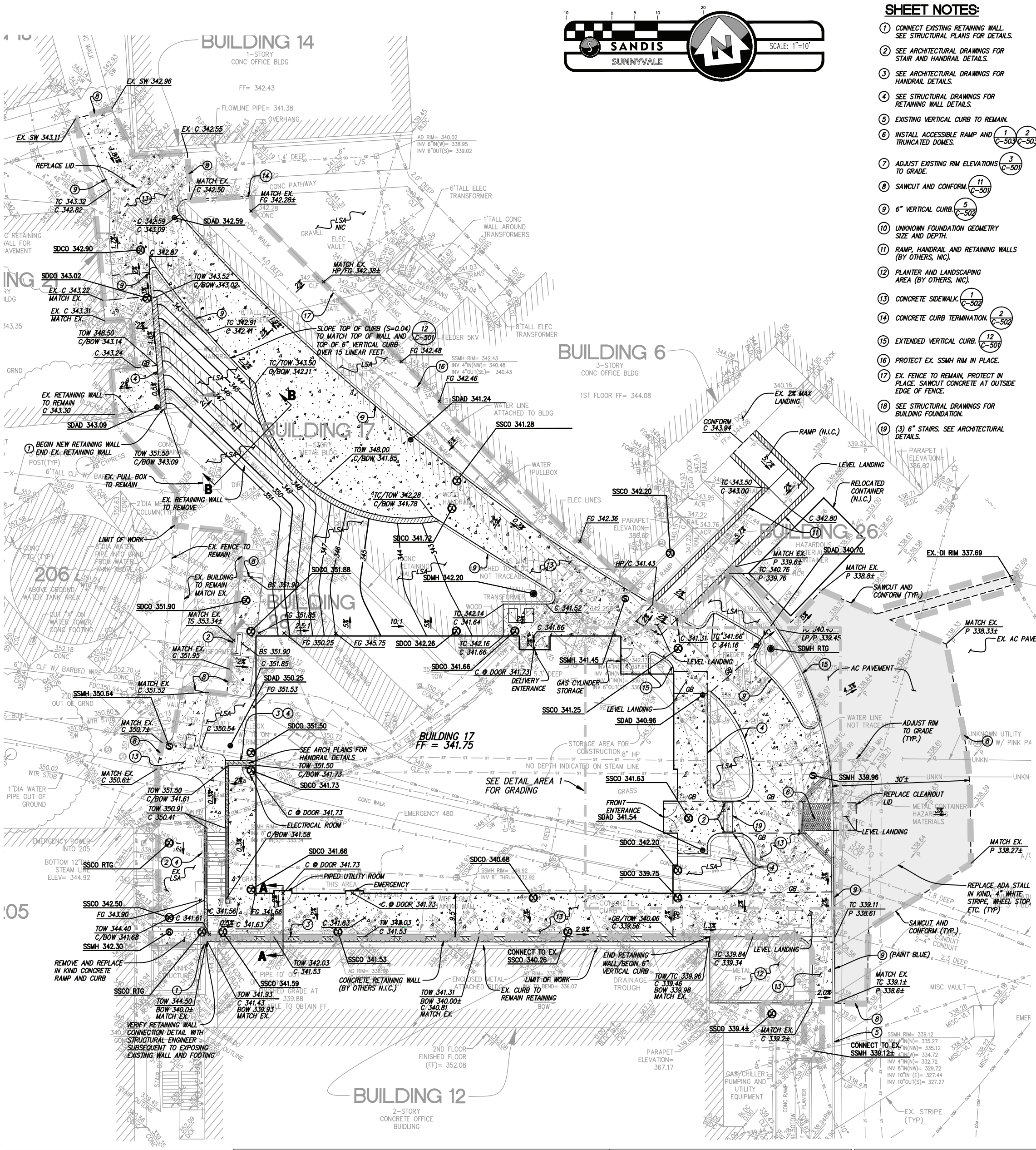
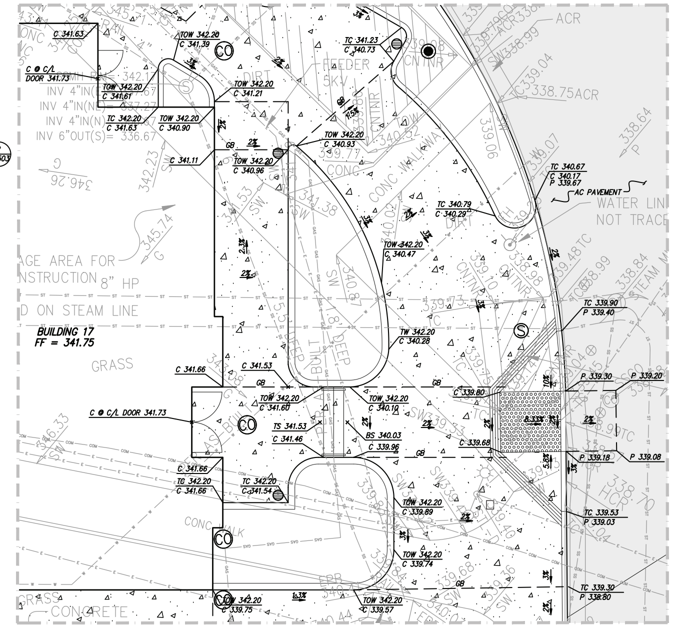


SHEET NOTES:

1. CONNECT EXISTING RETAINING WALL. SEE STRUCTURAL PLANS FOR DETAILS.
2. SEE ARCHITECTURAL DRAWINGS FOR STAIR AND HANDRAIL DETAILS.
3. SEE ARCHITECTURAL DRAWINGS FOR HANDRAIL DETAILS.
4. SEE STRUCTURAL DRAWINGS FOR RETAINING WALL DETAILS.
5. EXISTING VERTICAL CURB TO REMAIN.
6. INSTALL ACCESSIBLE RAMP AND TRUNCATED DOMES. (1/C-503) (2/C-503)
7. ADJUST EXISTING RIM ELEVATIONS TO GRADE. (3/C-501)
8. SAWCUT AND CONFORM. (11/C-501)
9. 6" VERTICAL CURB. (5/C-502)
10. UNKNOWN FOUNDATION GEOMETRY SIZE AND DEPTH.
11. RAMP, HANDRAIL AND RETAINING WALLS (BY OTHERS, NIC).
12. PLANTER AND LANDSCAPING AREA (BY OTHERS, NIC).
13. CONCRETE SIDEWALK. (1/C-502)
14. CONCRETE CURB TERMINATION. (2/C-502)
15. EXTENDED VERTICAL CURB. (12/C-501)
16. PROTECT EX. SSMH RIM IN PLACE.
17. EX. FENCE TO REMAIN, PROTECT IN PLACE. SAWCUT CONCRETE AT OUTSIDE EDGE OF FENCE.
18. SEE STRUCTURAL DRAWINGS FOR BUILDING FOUNDATION.
19. (3) 6" STAIRS. SEE ARCHITECTURAL DETAILS.



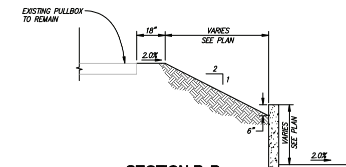
DETAIL AREA 1
1" = 5'

GENERAL NOTES:

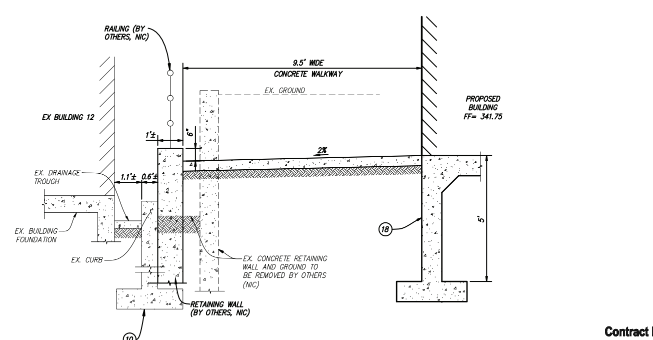
1. BACKFILL AND SUBGRADE PREPERATION UNDER CONCRETE FLATWORK SHALL BE OBSERVED AND/OR TESTED BY GEOTECHNICAL ENGINEER.

LEGEND:

- CONCRETE RETAINING WALL (4)
- AC PAVEMENT (1/C-501)



SECTION B-B
NTS



SECTION A-A
1"=2'

DATE MARCH 10, 2011

KENNETH N. OLCOTT
R.C.E. NO. 51079, EXPIRES 9-30-11

Contract Documents Submission (CD3 - 100%)

FULLY SPRINKLERED

NO	REVISIONS	DATE

CONSULTANTS:

CONSULTANT:

SANDIS — CIVIL ENGINEERS, SURVEYORS, PLANNERS
www.sandis.net
936 E. Duane Ave. | Sunnyvale, CA 94085 | P. 408.636.0900 | F. 408.636.0999
SUNNYVALE ROSEVILLE OAKLAND

ARCHITECTS/ENGINEERS:

HDR Architecture, Inc.
560 MISSION STREET, SUITE 900
SAN FRANCISCO, CA 94105
PH: 415-5464200 FAX: 415-5464202

Drawing Title: GRADING PLAN

Approved : Project Director

Project Title: VMU Replacement And Expansion Project

Location: San Francisco VA Medical Center, 4150 Clement Street, San Francisco, CA 94121

Date: 04 March 2011 | Checked by: BC | Drawn: SG

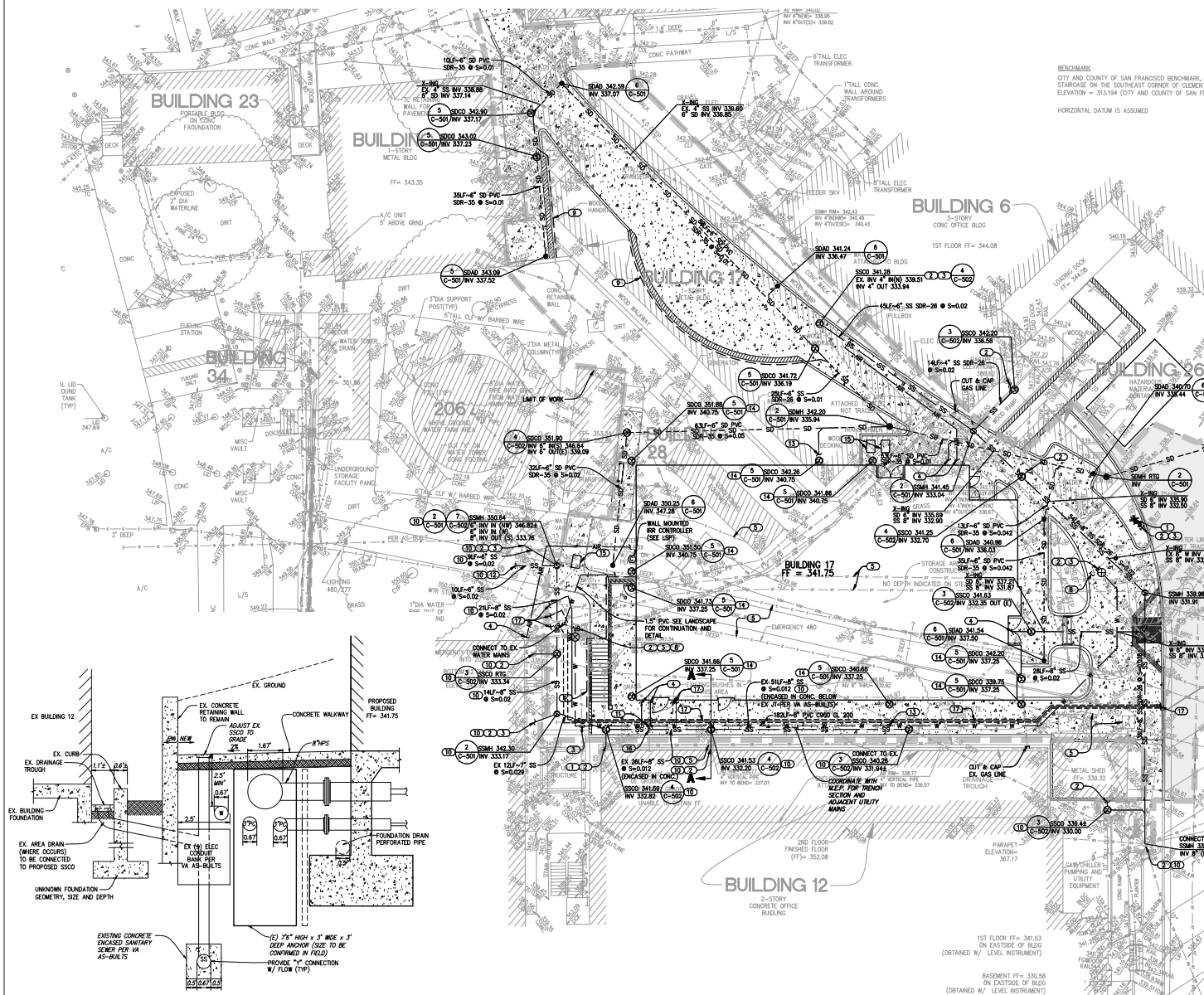
Project Number: 662-10-608

Building Number: 17

Drawing number: C-102

Office of Construction and Facilities Management
Department of Veterans Affairs

File: X:\P\210084\ENG\CONTRACT\C-102_GRAD.dwg Date:Mar 10, 2011 – 5:04pm, dmanville



SANDIS SUNNYVALE

SCALE: 1"=10'

BENCHMARK

CITY AND COUNTY OF SAN FRANCISCO BENCHMARK, BEING A CUT "+" ON THE LOWER STEP OF A BRICK STAIRCASE ON THE SOUTHEAST CORNER OF CLEMENT ST AND VETERANS DRIVE.
ELEVATION = 313.194 (CITY AND COUNTY OF SAN FRANCISCO DATUM)

HORIZONTAL DATUM IS ASSUMED

UTILITY NOTES:

1. FIRE HYDRANT (7 / C-501)
2. CONNECT TO EXISTING UTILITY.
3. CONTRACTOR TO POTHOLE AND LOCATE THE LOCATION AND ELEVATION OF EXISTING UTILITY PRIOR TO CONSTRUCTION.
4. SEE M.E.P. DRAWINGS FOR CONTINUATION
5. EXISTING UTILITIES REMOVED/RELOCATED PER DEMOLITION NOTES, SHEET C-101.
6. ADJUST EXISTING RIM ELEVATIONS TO GRADE. (3 / C-501)
7. SEE STRUCTURAL PLANS FOR RETAINING WALL DETAILS.
8. PLUG WATERLINE TEE (4 / C-501)
9. PERFORATED PIPE (SEE STRUCTURAL PLANS FOR DETAILS)
10. PORTION OF SANITARY SEWER NETWORK BY OTHERS (NIC)
11. CONNECT TO EXISTING 4" WATERLINE
12. PROVIDE 6" SS STUB OUT & PVC MARKER TO GRADE FOR FUTURE CONNECTION
13. SEE STRUCTURAL PLANS FOR CONTINUATION.
14. SEE STRUCTURAL PLANS FOR PERIMETER PIPE DETAILS.
15. NEW ELECTRICAL PULLBOX, SEE MEP PLANS.
16. CONTRACTOR SHALL INSTALL VERTICALLY OFFSET WATERLINE AS NECESSARY TO PROVIDE BUILDING 12 LATERAL CONNECTION. EXISTING LATERAL SHALL BE PROTECTED IN PLACE DURING PROPOSED RETAINING WALL CONSTRUCTION (NIC).
17. HOT AND COLD WATER LINES SHOWN FOR REFERENCE ONLY. SEE M.E.P. FOR DETAILS AND CONTINUATION.

GENERAL SHEET NOTES:

1. UTILITY TRENCH BACKFILL AND SUBGRADE PREPARATION UNDER CONCRETE FLATWORK SHALL BE OBSERVED AND/OR TESTED BY GEOTECHNICAL ENGINEER.
2. CONTRACTOR SHALL PROVIDE 12"(MIN) VERTICAL CLEARANCE AT UTILITY CROSSINGS.

DATE JANUARY 25, 2013

REGISTERED PROFESSIONAL ENGINEER KENNETH N. OLCOTT No. 51079 CIVIL STATE OF CALIFORNIA

KENNETH N. OLCOTT
R.C.E. NO. 51079, EXPIRES 9-30-13

Contract Documents Submission (CD3 - 100%)

FULLY SPRINKLERED

NO	REVISIONS	DATE
	NONE FOR NO	1/07/2013

CONSULTANTS:

CONSULTANT:

SANDIS CIVIL ENGINEERS SURVEYORS PLANNERS

ARCHITECTS/ENGINEERS:

HDR

HDR Architecture, Inc.

Drawing Title: UTILITY PLAN

Project Title: VMU Replacement And Expansion Project

Project Number: 603-10-000

Drawing Number: 17

Location: San Francisco VA Medical Center, 4150 Clement Street, San Francisco, CA 94121

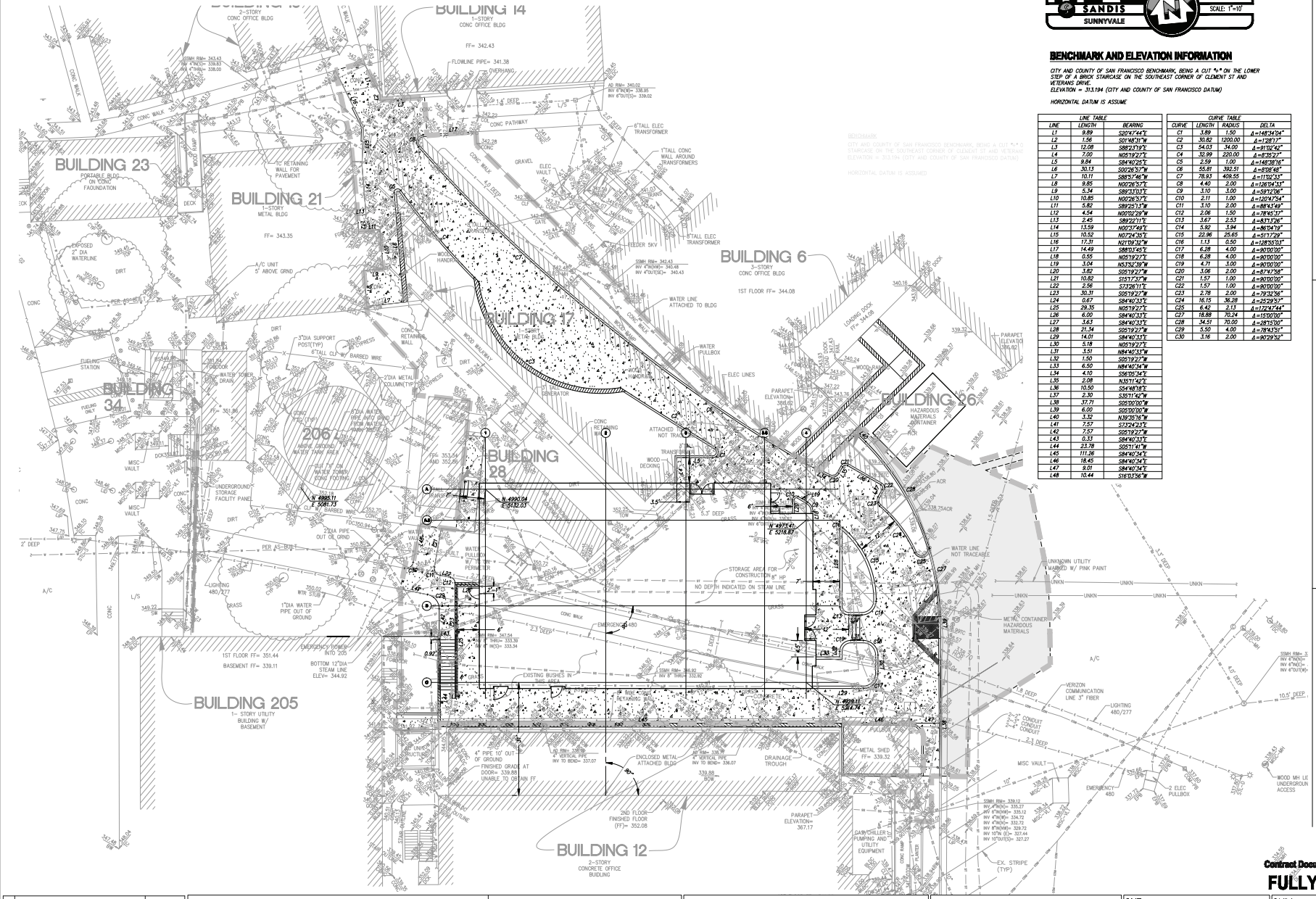
Date: 04 March 2011 | Drawn by: BC | Checked by: BG

Drawing number: C-103

Office of Construction and Facilities Management

Department of Veterans Affairs

File: X:\P\210084\ENG\CONTRACT\C-103_UTIL.dwg Date: Jan 25, 2013 - 12:05pm, dmanville



BENCHMARK AND ELEVATION INFORMATION

CITY AND COUNTY OF SAN FRANCISCO BENCHMARK, BEING A CUT "+" ON THE LOWER STEP OF A BRICK STAIRCASE ON THE SOUTHEAST CORNER OF CLEMENT ST AND VETERANS DRIVE.
ELEVATION = 313.194 (CITY AND COUNTY OF SAN FRANCISCO DATUM)

HORIZONTAL DATUM IS ASSUME

LINE TABLE		
LINE	LENGTH	BEARING
L1	9.89	S20°47'44"E
L2	1.56	S01°48'31"W
L3	12.08	S88°21'19"E
L4	7.00	N05°19'27"E
L5	9.84	S84°40'25"E
L6	30.13	S00°26'57"W
L7	10.11	S885°7'46"W
L8	9.85	N00°26'57"E
L9	5.34	S89°33'03"E
L10	10.85	N00°26'57"E
L11	5.82	S89°25'13"W
L12	4.54	N00°02'29"W
L13	2.45	S89°22'11"E
L14	13.59	N00°37'49"E
L15	10.52	N07°24'55"E
L16	17.31	N21°08'32"W
L17	14.49	S88°01'45"E
L18	0.55	N05°19'27"E
L19	3.04	N53°52'39"W
L20	3.82	S05°19'27"W
L21	10.82	S15°17'37"W
L22	2.56	S73°26'11"E
L23	30.31	S05°19'27"W
L24	0.67	S84°40'33"E
L25	29.35	N05°19'27"E
L26	6.00	S84°40'33"E
L27	3.63	S84°40'33"E
L28	21.34	S05°19'27"W
L29	14.01	S84°40'33"E
L30	3.18	N05°19'27"E
L31	3.51	S84°40'33"E
L32	1.50	S05°19'27"W
L33	6.50	N84°40'34"W
L34	4.10	S56°00'34"E
L35	2.08	N35°11'42"E
L36	10.50	S54°48'18"E
L37	2.30	S35°11'42"W
L38	17.71	S05°00'00"W
L39	6.00	S05°00'00"W
L40	3.32	N39°35'16"W
L41	7.57	S73°24'23"E
L42	7.57	S05°19'27"W
L43	0.33	S84°40'33"E
L44	23.78	S85°11'41"W
L45	11.26	S84°40'34"E
L46	18.45	S84°40'34"E
L47	9.01	S84°40'34"E
L48	10.44	S16°13'56"W

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	3.89	1.50	Δ=148°34'24"
C2	30.62	1200.00	Δ=1°28'17"
C3	54.03	34.00	Δ=91°02'42"
C4	32.99	220.00	Δ=8°35'27"
C5	2.59	1.00	Δ=148°38'16"
C6	55.81	392.51	Δ=8°08'46"
C7	78.93	409.55	Δ=11°02'33"
C8	4.40	2.00	Δ=126°14'33"
C9	3.10	3.00	Δ=59°22'26"
C10	2.11	1.00	Δ=120°47'54"
C11	3.10	2.00	Δ=88°43'49"
C12	2.06	1.50	Δ=78°45'37"
C13	3.67	2.53	Δ=83°13'26"
C14	5.92	3.94	Δ=86°04'19"
C15	22.96	25.65	Δ=51°17'29"
C16	1.13	0.50	Δ=128°55'03"
C17	6.28	4.00	Δ=90°00'00"
C18	6.28	4.00	Δ=90°00'00"
C19	4.71	3.00	Δ=90°00'00"
C20	3.06	2.00	Δ=87°47'58"
C21	1.57	1.00	Δ=90°00'00"
C22	1.57	1.00	Δ=90°00'00"
C23	2.78	2.00	Δ=79°32'56"
C24	16.15	36.28	Δ=25°29'57"
C25	6.42	2.13	Δ=172°47'44"
C27	18.88	70.24	Δ=15°00'00"
C28	34.51	70.00	Δ=28°15'00"
C29	5.50	4.00	Δ=78°43'51"
C30	3.16	2.00	Δ=90°29'52"

DATE MARCH 10, 2011
REGISTERED PROFESSIONAL ENGINEER
KENNETH N. OLCOTT
Exp. 9/30/11
CIVIL
STATE OF CALIFORNIA

KENNETH N. OLCOTT
R.C.E. NO. 51079, EXPIRES 9-30-11

Contract Documents Submission (CD3 - 100%)

FULLY SPRINKLERED

NO	REVISIONS	DATE

CONSULTANTS:

ARCHITECT: HDR Architecture, Inc. | STRUCTURAL/SEISMIC ENGINEER: HDR Architecture, Inc. | MECHANICAL: HDR Architecture, Inc. | CIVIL/SURVEYOR: Sandis | LANDSCAPE: Hood Design Partners | FIRE PROTECTION: Rist-Frost Associates

CONSULTANT:

SANDIS | CIVIL ENGINEERS SURVEYORS PLANNERS
www.sandis.net
1500 N. Chrisman Ave. | Sunnyvale, CA 94089 | P. 408-745-8000 | F. 408-745-8001

ARCHITECTS/ENGINEERS:

HDR
HDR Architecture, Inc.
350 SANSOME STREET, SUITE 600
SAN FRANCISCO, CA 94105
PH: 415-543-9500 FAX: 415-543-9501

Drawing Title: HORIZONTAL CONTROL PLAN

Project Title: VMU Replacement And Expansion Project

Project Number: 082-10-000

Building Number: 17

Location: San Francisco VA Medical Center, 4150 Clement Street, San Francisco, CA 94121

Date: 04 March 2011 | Checked by: DC | Drawn: DG

Drawing Number: C-104

Office of Construction and Facilities Management
Department of Veterans Affairs

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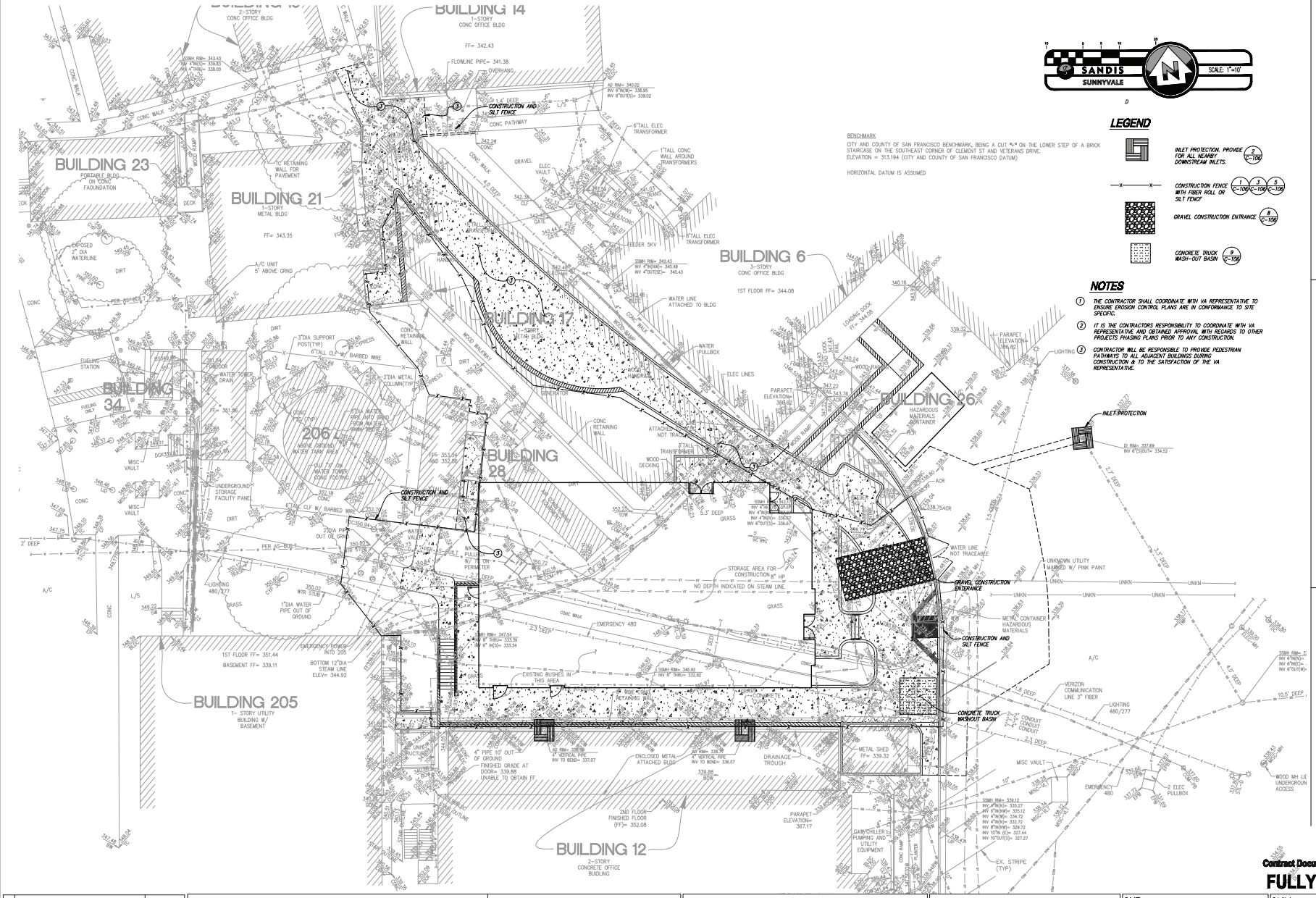

BENCHMARK

CITY AND COUNTY OF SAN FRANCISCO BENCHMARK, BEING A CUT "+" ON THE LOWER STEP OF A BRICK STAIRCASE ON THE SOUTHEAST CORNER OF CLEMENT ST AND VETERANS DRIVE.
ELEVATION = 313.194 (CITY AND COUNTY OF SAN FRANCISCO DATUM)

HORIZONTAL DATUM IS ASSUMED

LEGEND

- INLET PROTECTION. PROVIDE FOR ALL NEARBY DOWNSTREAM INLETS. (2 / C-106)
- CONSTRUCTION FENCE WITH FIBER ROLL OR SILT FENCE (1 / C-106, 3 / C-106, 5 / C-106)
- GRAVEL CONSTRUCTION ENTRANCE (8 / C-106)
- CONCRETE TRUCK WASH-OUT BASIN (9 / C-106)

NOTES

1. THE CONTRACTOR SHALL COORDINATE WITH VA REPRESENTATIVE TO ENSURE EROSION CONTROL PLANS ARE IN CONFORMANCE TO SITE SPECIFIC.
2. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE WITH VA REPRESENTATIVE AND OBTAINED APPROVAL WITH REGARDS TO OTHER PROJECTS PHASING PLANS PRIOR TO ANY CONSTRUCTION.
3. CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE PEDESTRIAN PATHWAYS TO ALL ADJACENT BUILDINGS DURING CONSTRUCTION & TO THE SATISFACTION OF THE VA REPRESENTATIVE.

DATE MARCH 10, 2011

REGISTERED PROFESSIONAL ENGINEER
KENNETH N. OLCOTT
No. 51079
Exp. 9/30/11
CIVIL
STATE OF CALIFORNIA

KENNETH N. OLCOTT
R.C.E. NO. 51079, EXPIRES 9-30-11

Contract Documents Submission (CD3 - 100%)

FULLY SPRINKLERED

NO	REVISIONS	DATE

CONSULTANTS:

CONSULTANT:

SANDIS CIVIL ENGINEERS SURVEYORS PLANNERS

ARCHITECTS/ENGINEERS:

HDR

HDR Architecture, Inc.
[illegible]
SAN FRANCISCO, CA 94105
PH: [illegible]

Drawing Title: EROSION CONTROL PLAN

Project Title: VMU Replacement And Expansion Project

Project Number: [illegible]

Building Number: 17

Location: San Francisco VA Medical Center, 4150 Clement Street, San Francisco, CA 94121

Date: 04 March 2011 | Checked by: BC | Drawn: BG

Drawing Number: C-105

Office of Construction and Facilities Management

Department of Veterans Affairs

File: X:\P\210084\ENG\CONTRACT\C-105_EROS.dwg Date:Mar 10, 2011 - 4:19pm, dmanville