



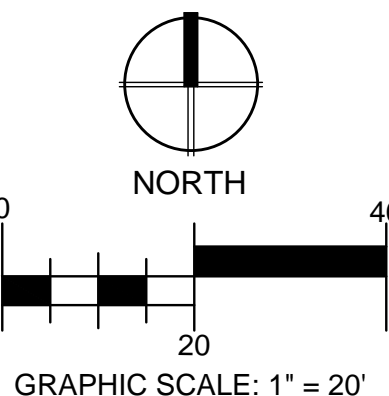
GENERAL NOTES:

1. EROSION SEDIMENT AND SPILL CONTROL SHALL MEET THE REQUIREMENT OF CDPHE.
2. SILT FENCE AND/OR WATTLES SHALL BE INSTALLED AS SHOWN ON THE DRAWINGS. IN LOCATION(S) WHERE HEAVY SEDIMENT TRANSPORT IS EXPECTED, A DOUBLE LAYER OF SILT FENCE SHALL BE INSTALLED.
3. EROSION CONTROL SHOWN SHALL BE FIELD ADJUSTED BY THE CONTRACTOR AS NECESSARY DURING CONSTRUCTION. EROSION CONTROL SHOWN IS A MINIMUM. CONTRACTOR SHALL ADD ADDITIONAL MEASURES AS NECESSARY. NO EXTRA PAYMENT WILL BE MADE FOR ADDITIONAL MEASURES NECESSARY TO PREVENT AND CONTROL SEDIMENT AND MEET CDPHE STORMWATER PERMIT REQUIREMENTS.
4. EROSION CONTROL MEASURES SHOWN ARE BASED ON THE ENGINEER'S JUDGEMENT.
5. SEDIMENT CONTROL PRACTICES SHALL BE ESTABLISHED ON ALL DOWN GRADIENT PERIMETERS BEFORE UP GRADIENT LAND DISTURBING ACTIVITIES BEGIN.
6. ALL STORM DRAIN INLETS SHALL BE PROTECTED BY APPROPRIATE BMPs DURING CONSTRUCTION UNTIL ALL SOURCES OF RUNOFF WITH THE POTENTIAL FOR DISCHARGING TO THE INLET HAVE BEEN STABILIZED.
7. ALL SILT FENCES OR WATTLES MUST BE REPAIRED, REPLACED, OR SUPPLEMENTED WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES 1/3 OF THE HEIGHT OF THE FENCE. THESE REPAIRS MUST BE MADE WITHIN 24 HOUR OF DISCOVERY, OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
8. CONSTRUCTION SITE VEHICLE EXIT LOCATIONS MUST BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING ONTO PAVED SURFACES. TRACKED SEDIMENT MUST BE REMOVED FROM ALL OFF-SITE PAVED SURFACES, WITHIN 24 HOURS OF DISCOVERY. CONSTRUCTION SITE VEHICLE EXIT LOCATIONS SHALL BE RELOCATED AS NECESSARY DEPENDENT UPON PHASING.
9. APPROVED EROSION AND SEDIMENT CONTROL "BEST MANAGEMENT PRACTICES" (BMPs) SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. A SWPPP SHALL BE REQUIRED FOR THIS PROJECT. THIS PROJECT SHALL COMPLY WITH ALL CONDITIONS OF THE STORMWATER PERMIT.
10. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REMEDIATION OF ANY ADVERSE IMPACTS TO ADJACENT WATERWAYS, WETLANDS, ETC., RESULTING FROM WORK DONE AS PART OF THIS PROJECT.
11. THE CONTRACTOR SHALL PREVENT SEDIMENT, DEBRIS AND ALL OTHER POLLUTANTS FROM ENTERING THE STORM SEWER SYSTEM DURING ALL DEMOLITION, EXCAVATION, TRENCHING, BORING, GRADING OR OTHER CONSTRUCTION OPERATIONS OF THIS PROJECT.
12. THE CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL ENSURE THAT ALL LOADS OF CUT AND FILL MATERIAL IMPORTED TO OR EXPORTED FROM THIS SITE ARE PROPERLY CONTAINED TO PREVENT LOSS OF THE MATERIAL DURING TRANSPORT ON PUBLIC RIGHT OF WAYS.
13. THE DISCHARGE OF WATER CONTAINING WASTE CEMENT TO THE STORM SYSTEM IS PROHIBITED. THE CONTRACTOR SHALL PROVIDE A CONCRETE WASHOUT AREA OFF-SITE THAT MEETS THE PERMIT REQUIREMENTS.
14. THE DISCHARGE OF ANY WATER CONTAMINATED BY WASTE PRODUCTS FROM SAW CUTTING OPERATIONS TO THE STORM SEWER IS PROHIBITED.
15. THE SITE SHALL BE CLEANED FOLLOWING PROJECT COMPLETION PRIOR TO FINAL ACCEPTANCE.
16. THE CONTRACTOR SHALL INSTALL BMPs CORRECTLY AND MAINTAIN THEM REGULARLY THROUGH THE CONSTRUCTION PROCESS. INSPECTIONS OF BMP'S SHALL BE CONDUCTED ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS.
17. ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE REMOVED BY CONTRACTOR WHEN SITE IS STABILIZED.
18. SOILS TO BE STOCKPILED FOR MORE THAN 60 DAYS SHALL BE SEEDDED WITH A TEMPORARY OR PERMANENT GRASS COVER WITHIN 14 DAYS AFTER COMPLETION OF STOCKPILE CONSTRUCTION. MULCHING IS RECOMMENDED TO ASSURE VEGETATION ESTABLISHMENT. IF STOCKPILES ARE LOCATED WITHIN CLOSE PROXIMITY TO A DRAINAGEWAY (i.e., ONE HUNDRED [100] FEET), ADDITIONAL SEDIMENT CONTROL MEASURES, SUCH AS A TEMPORARY DIVERSION DIKE, SILT FENCE OR FILTER SOCK SHALL BE PROVIDED. ALL COSTS FOR SEEDING AND EROSION CONTROL FOR STOCKPILES SHALL BE INCIDENTAL TO EROSION CONTROL.

LEGEND

- (IP) INLET PROTECTION DEVICES: INSTALL SEDIMENT FILTERING AT STORM DRAIN INLETS.
- (PP) PERIMETER PROTECTION: INSTALL SEDIMENT FILTERING DEVICES AND/OR DIVERSION DEVICES TO PREVENT SHEET FLOW OF POLLUTED WATER FROM SITE. TYPE OF PERIMETER PROTECTION DEVICES SHALL BE DETERMINED BY THE CONTRACTOR. EXTENT AND LOCATION OF PERIMETER PROTECTION DEVICES SHOWN ARE CONSIDERED TO BE ADJUSTED BY THE CONTRACTOR BASED ON FIELD CONDITIONS AND HIS OPERATIONS.
- (OP) OUTLET PROTECTION: RIPRAP
- (VAP) VEHICLE ACCESS PAD: CONSTRUCTION ACCESS AT ALL LOCATIONS OF VEHICULAR INGRESS AND EGRESS TO CONSTRUCTION SITE. SIZE AS NECESSARY, VERIFY AND FIELD ADJUST LOCATIONS

- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROJECT LIMITS
- CONSTRUCTION FENCE



DETAIL LISTING:

DETAIL	DETAIL No.	SHEET
SEDIMENT CONTROL WATTLE	F1	C-702
VEHICLE ACCESS PAD	B7	C-703
OUTLET RIPRAP	F7	C-703

CONSULTANTS:

Terracon
Consulting Engineers and Scientists
10625 W 170 FRONTAGE RD N, STE 3
Wheatridge, CO 80033
P (303) 423-3300
F (303) 423-3363

ONES LAND SURVEYING, INC.
Licensed in:
WY, CO, MT, SD,
ND, ID, UT, NV
6750 Say Kally Rd., Cheyenne, WY 82009
Ph: 307-637-7107
Cell: 307-630-6550
Email: cotton.jones@msn.com

ARCHITECT/ENGINEERS:

FOURFRONT DESIGN INC.
11344 W 28th PL
Lakewood, CO 80215
p 720.217.6482
www.4front.biz

Drawing Title
EROSION CONTROL PLAN

Approved Project Director

Project Title
FORT LOGAN NATIONAL CEMETERY
MATERIAL OR EQUIPMENT STORAGE
BUILDING AND RENOVATE
MAINTENANCE YARD

Location
DENVER, COLORADO

Date	Checked	Drawn
3/26/2015	AN	KM

CONSTRUCTION DOCUMENTS

Project Number
888CM3039

Building Number
N/A

Drawing Number
C-400
Dwg. 8 of 28

NCA DESIGN
AND CONSTRUCTION
SERVICE

Department of
Veterans Affairs

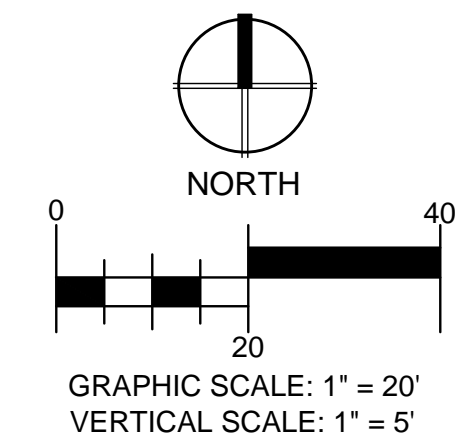
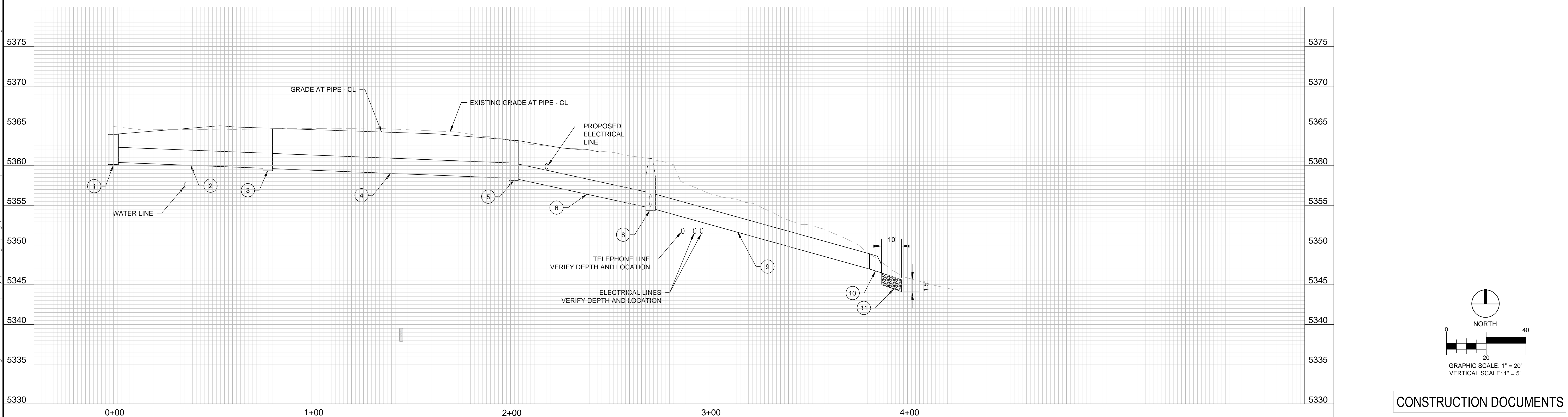
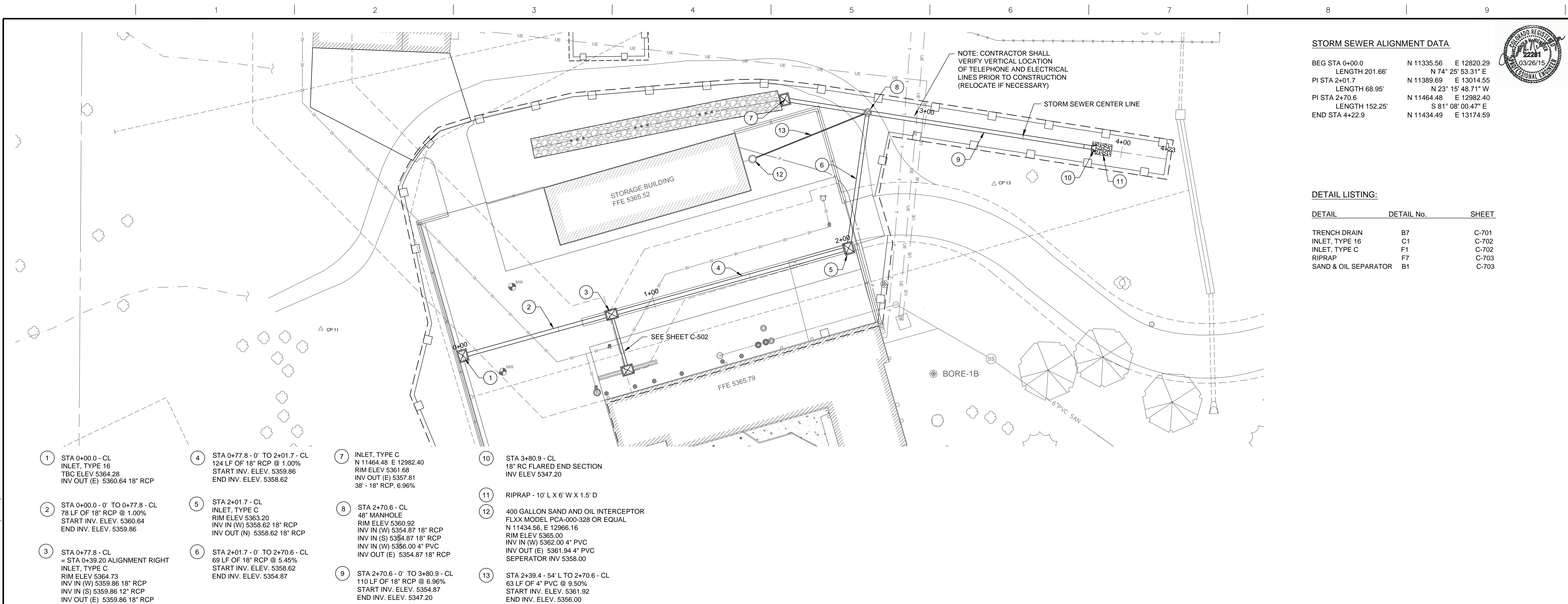


STORM SEWER ALIGNMENT DATA




BEG STA 0+00.0	N 11335.56	E 12820.29
LENGTH 201.66'	N 74° 25' 53.31" E	
PI STA 2+01.7	N 11389.69	E 13014.55
LENGTH 68.95'	N 23° 15' 48.71" W	
PI STA 2+70.6	N 11464.48	E 12982.40
LENGTH 152.25'	S 81° 08' 00.47" E	
END STA 4+22.9	N 11434.49	E 13174.59

DETAIL LISTING:

DETAIL	DETAIL No.	SHEET
TRENCH DRAIN	B7	C-701
INLET, TYPE 16	C1	C-702
INLET, TYPE C	F1	C-702
RIPRAP	F7	C-703
SAND & OIL SEPARATOR	B1	C-703

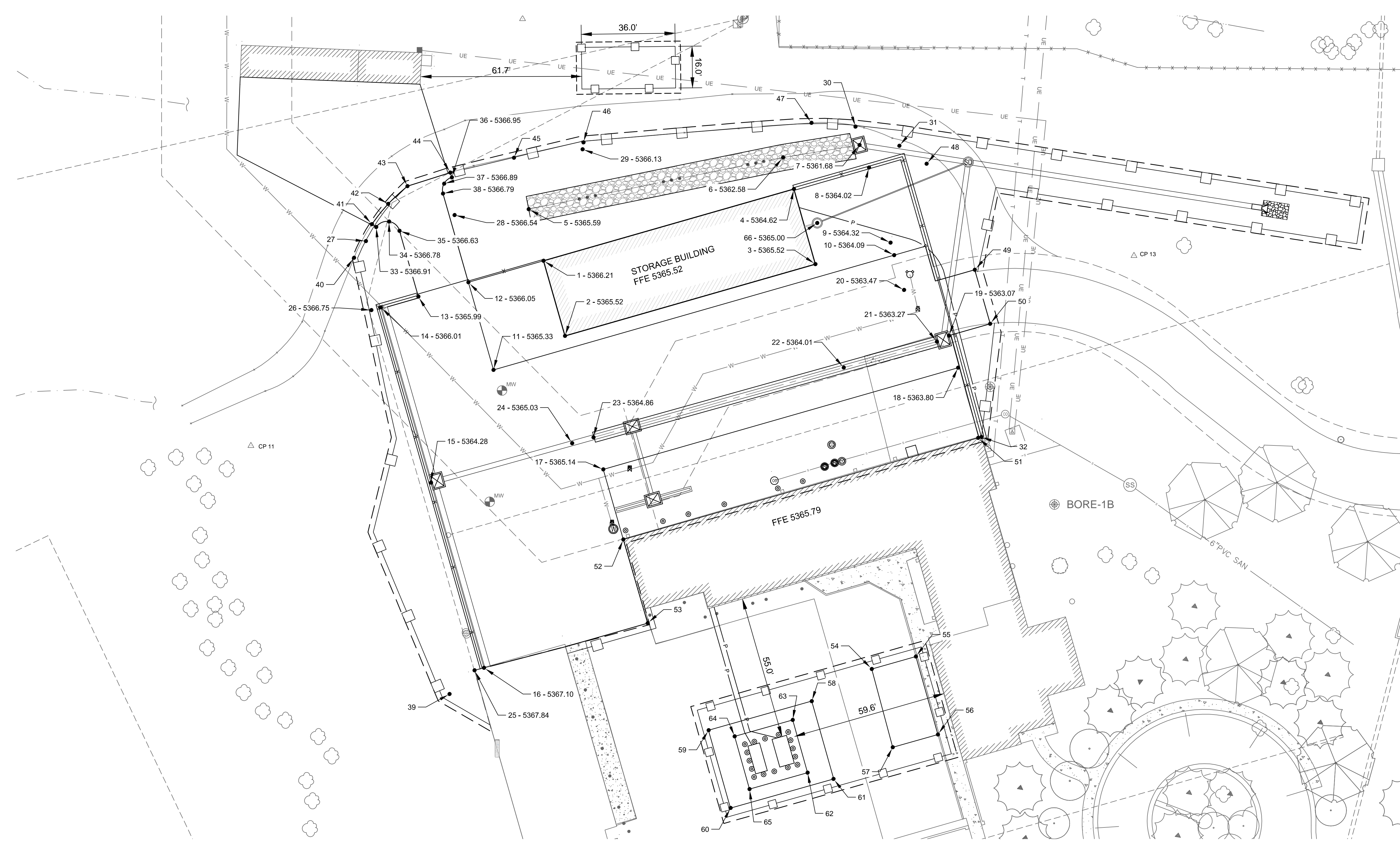


CONSTRUCTION DOCUMENTS

CONSULTANTS:  Consulting Engineers and Scientists 10625 W 170 FRONTAGE RD N, STE 3 Wheatridge, CO 80033 P (303) 423-3300 F (303) 423-3353		ARCHITECT/ENGINEERS:  11344 W 28th PL Lakewood, CO 80215 P 720.217.6482 www.4front.biz		Drawing Title STORM SEWER PLAN AND PROFILE	Project Title FORT LOGAN NATIONAL CEMETERY MATERIAL OR EQUIPMENT STORAGE BUILDING AND RENOVATE MAINTENANCE YARD	Project Number 888CM3039	NCA DESIGN AND CONSTRUCTION SERVICE  Department of Veterans Affairs	
Revisions Date				Approved Project Director	Location DENVER, COLORADO	Building Number N/A		
					Date 3/26/2015	Checked AN	Drawn KM	Dwg. 9 of 28



POINT TABLE				
POINT NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
1	BLDG	11420.06	12861.09	5366.21
2	BLDG	11391.22	12869.36	5365.52
3	BLDG	11418.76	12865.49	5365.52
4	BLDG	11447.60	12957.23	5364.62
5	SWALE	11439.87	12855.42	5365.59
6	SWALE	11459.70	12953.06	5362.58
7	SWALE/ INLET	11464.48	12862.40	5361.68
8	EOC	11455.86	12866.07	5364.02
9	EOC	11427.02	12994.33	5364.32
10	EOC	11422.22	12995.71	5364.01
11	EOC	11378.15	12841.90	5365.33
12	EOC	11411.79	12832.26	5366.05
13	EOA	11406.28	12813.03	5365.99
14	TBC	11402.15	12798.61	5366.01
15	TBC INLET	11334.89	12817.88	5364.28
16	TBC	11263.79	12838.25	5367.10
17	EOC	11339.96	12884.04	5365.14
18	EOC	11379.00	13020.28	5363.80
19	EOA	11391.32	13016.75	5363.07
20	EOA	11408.84	12999.54	5363.47
21	PAN CL	11389.02	13012.15	5363.27
22	PAN CL	11379.04	12976.35	5364.01
23	PAN CL	11352.28	12880.29	5364.86
24	HP	11349.99	12872.08	5365.03
25	FNC	11262.84	12834.61	5367.84
26	FNC	11401.12	12794.99	5366.75
27	FNC ME	11427.62	12792.90	
28	FNC	11437.60	12826.94	5366.54
29	FNC	11462.83	12876.09	5366.13
30	FNC ME	11471.54	12980.87	
31	FNC ME	11464.21	12997.72	
32	FNC ME	11352.43	13029.21	
33	EOA PT	11432.99	12796.86	5366.91
34	EOA MPC	11435.10	12801.79	5366.78
35	EOA PC	11431.54	12805.79	5366.63
36	EOA PC	11452.03	12825.91	5366.95
37	EOA PC	11449.65	12822.93	5366.89
38	EOA MPC	11445.85	12822.50	5366.79
39	ME	11253.72	12825.01	
40	ME	11421.22	12788.34	
41	EOA ME	11434.12	12795.21	
42	EOA ME	11441.92	12801.47	
43	EOA ME	11448.68	12808.84	
44	EOA ME	11453.92	12825.31	
45	ME	11459.61	12849.76	
46	ME	11465.49	12876.44	
47	ME	11473.02	12963.96	
48	ME	11457.31	13008.18	
49	EOA ME	11416.62	13026.68	
50	EOA ME	11395.65	13032.58	
51	EOC ME	11352.08	13027.99	
52	EOA ME	11313.05	12891.76	
53	EOA ME	11280.94	12901.11	
54	EOC ME	11263.33	12987.14	
55	EOC ME	11268.11	13004.07	
56	EOC ME	11238.19	13012.52	
57	EOC ME	11233.30	12995.19	
58	EOA ME	11250.98	12964.09	
59	EOA ME	11239.85	12924.50	
60	EOA ME	11209.97	12932.92	
61	EOA ME	11221.12	12972.43	
62	EOC	11223.51	12962.49	
63	EOC	11243.76	12956.77	
64	EOC	11237.47	12934.48	
65	EOC	11217.22	12940.19	
66	SAND & OIL INTERCEPTOR	11434.56	12966.16	5365.05



DRAWING LEGEND



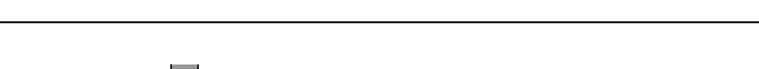

----- PROJECT LIMITS

—■— CONSTRUCTION FENCE

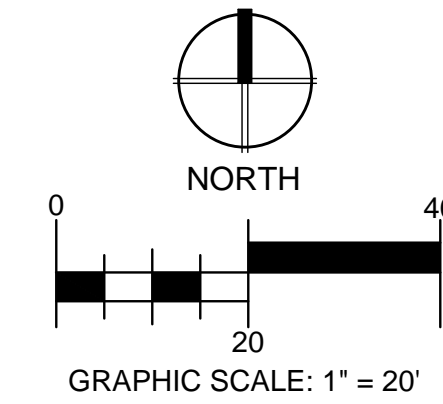
ABBREVIATIONS

BLDG	BUILDING CORNER
EOA	EDGE OF ASPHALT
EOC	EDGE OF CONCRETE
PAN	CONCRETE PAN
SWALE	SWALE CENTER LINE
TD	TRENCH DRAIN
MPC	MID POINT OF CURVE
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENT
CL	CENTER LINE
FL	FLOW LINE
ME	MATCH EXISTING
R	RADIUS
HP	HIGH POINT
FNC	FENCE

XX - XXXX POINT NUMBER - ELEVATION IN FEET

		CONSULTANTS:				ARCHITECT/ENGINEERS:		Drawing Title STAKEOUT PLAN		Project Title FORT LOGAN NATIONAL CEMETERY MATERIAL OR EQUIPMENT STORAGE BUILDING AND RENOVATE MAINTENANCE YARD		Project Number 888CM3039		NCA DESIGN AND CONSTRUCTION SERVICE  Department of Veterans Affairs	
		 Consulting Engineers and Scientists 10625 W I-70 FRONTAGE RD N, STE3 WHEATRIIDGE, CO 80003 p (303) 423-3300 f (303) 423-3353		 6750 Say Kally Rd., Cheyenne, WY 82099 Ph: 307-637-1107 Cell: 307-630-8560 Email: cotton.jones@gmail.com Licensed in: WY, CO, WY, SD, ND, ID, UT, NV		 11344 W 28th PL Lakewood, CO 80215 p 720.217.6482 www.4front.biz FOURFRONT DESIGN INC.		Approved Project Director		Location DENVER, COLORADO		Drawing Number C-600 Dwg. 11 of 28			
Revisions		Date								Date 3/26/2015		Checked AN		Drawn KM	

[illegible]

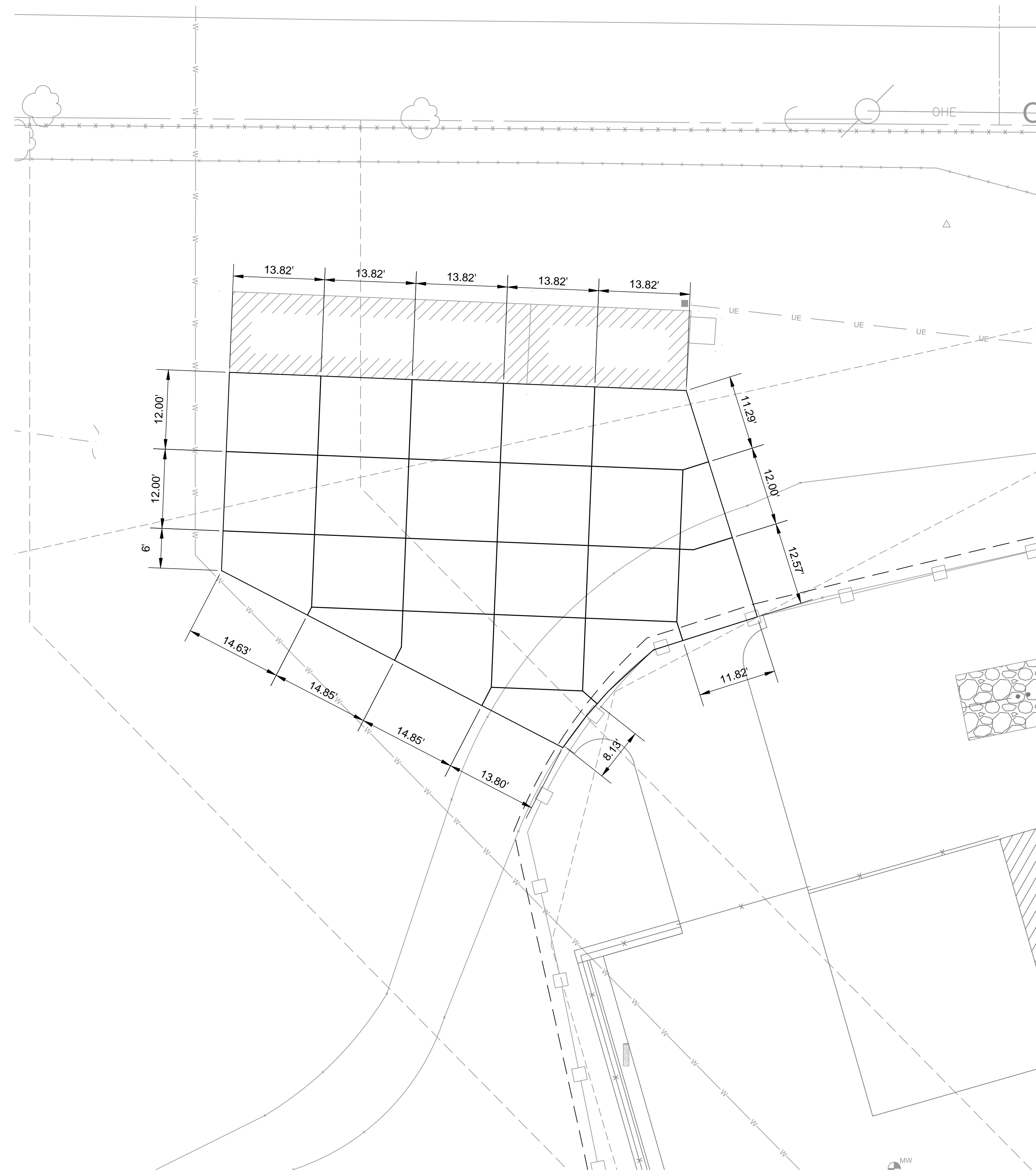


NCA DESIGN
AND CONSTRUCTION
SERVICE

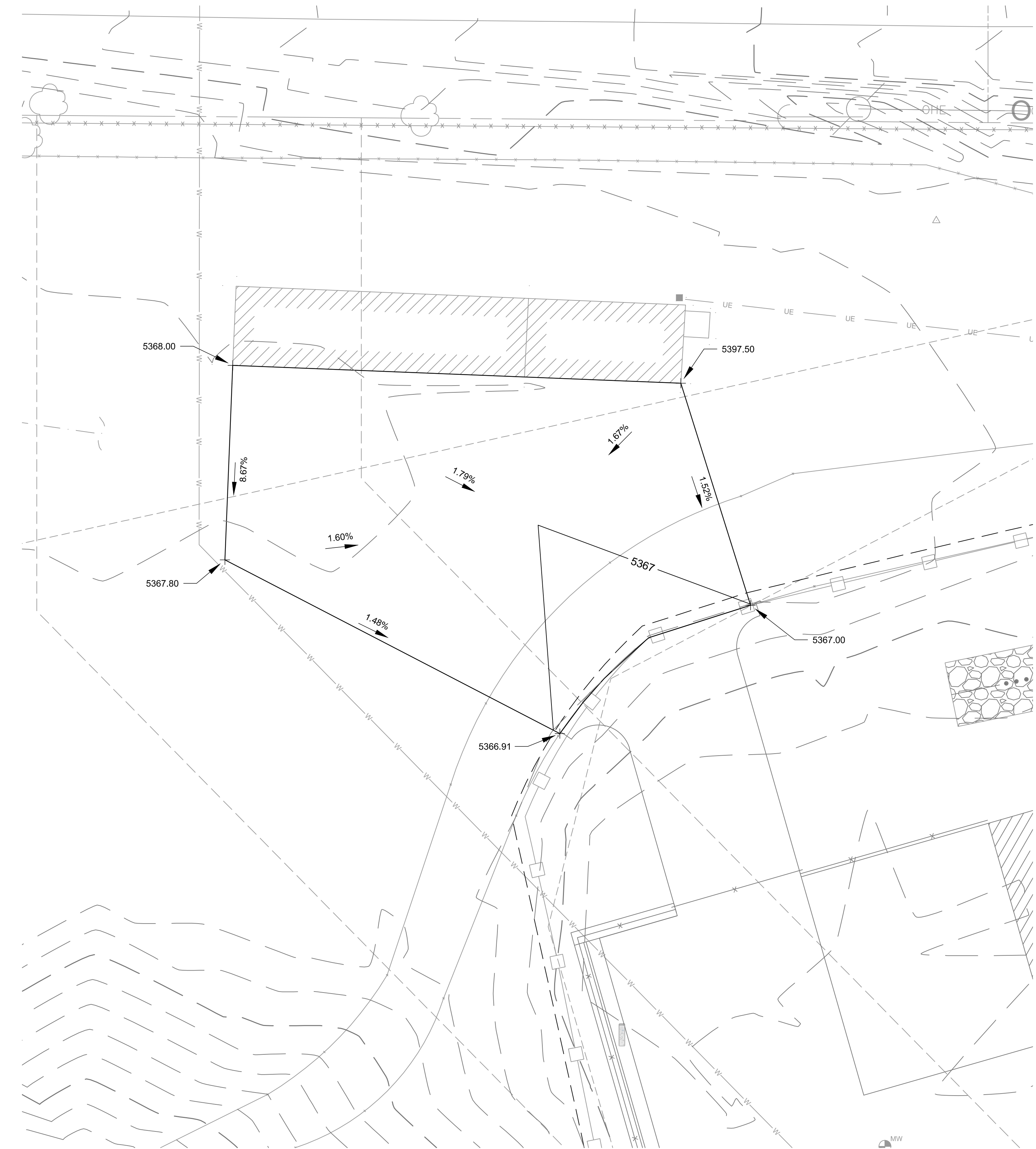
 Department of
Veterans Affairs



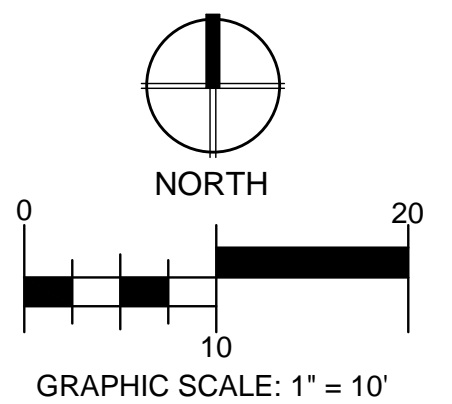
Department of
Veterans Affairs



BID ALTERNATE No. 1 JOINT LAYOUT PLAN



BID ALTERNATE No. 1 GRADING PLAN

[illegible]

CONSULTANTS:

Terracon
Consulting Engineers and Scientists
10625 W I-70 FRONTAGE RD N, STE3
Wheatridge, CO 80033
p (303) 423-3300
f (303) 423-3353



JONES LAND SURVEYING, INC.

Licensed in:
WY, CO, MT, SD,
ND, ID, UT, NV

6750 Say Kally Rd., Cheyenne, WY
Ph: 307-637-7107
Cell: 307-630-8550
Email: colton.jones@msn.com

ARCHITECT/ENGINEERS:



FOURFRONT
DESIGN INC.

11344 W 28TH PL
Lakewood, CO 80215
p 720.217.6482
www.4front.biz

Drawing Title	BID ALTERNATE NO. 1 OPTIONAL PCC PAVEMENT
---------------	--

Approved: Project Director

Project Title	FORT LOGAN NATIONAL CEMETERY MATERIAL OR EQUIPMENT STORAGE BUILDING AND RENOVATE MAINTENANCE YARD
---------------	--

Location
DENVER, COLORADO

☐ Checked

Drawn

Project Number	888CM3039
----------------	-----------

Building Number	N/A
-----------------	-----

	Drawing Number

C-602

NCA DESIGN
AND CONSTRUCTION
SERVICE

 Department of
Veterans Affairs