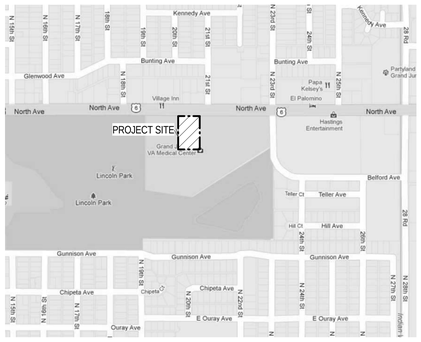
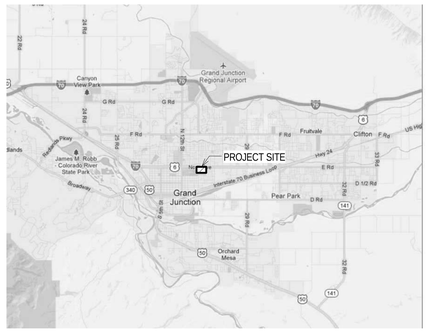
GRAND JUNCTION VA MEDICAL CENTER

PARKING GARAGE

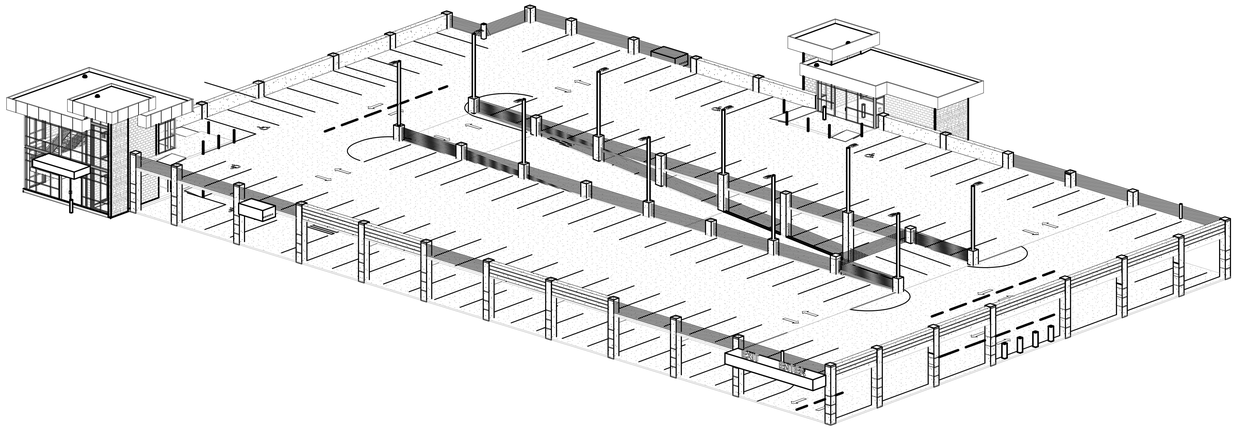
ADDENDUM #1 FOR CONSTRUCTION



LOCATION MAP
NTS



VICINITY MAP
NTS



OWNER

GRAND JUNCTION VA MEDICAL CENTER

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John Bartman
General Engineer

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e: John.Bartman@va.gov

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TERRACON

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AMERICAN STRUCTUREPOINT

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APOGEE CONSULTING GROUP

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MEP Engineer

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LANDSCAPE

COOVER CLARK

Contact:
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Project Manager

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RTM CONSULTANTS

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Principal

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Indianapolis, IN 46254

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AMERICAN STRUCTUREPOINT

Contact:
Jeromy Grenard
Traffic Engineer

7260 Shadeland Station
Indianapolis, IN 46256

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PARKING COUNT

TOTAL PARKING STALLS
1ST LEVEL - 76
2ND LEVEL - 95
ALL LEVELS - 171

TOTAL HANDICAP STALLS
1ST LEVEL - 15
2ND LEVEL - 4
ALL LEVELS - 19 (11%)

DIRECTOR

ITP CHAIRMAN

CHIEF, FACILITIES MANAGEMENT

SAFETY OFFICER

NAGE

SHEET INDEX

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G-101 CODE ANALYSIS PLANS

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Revisions: Date

Grand Junction VA
Medical Center
2121 North Avenue
Grand Junction, CO 81501

APOGEE Consulting Group, PA
CooverClark
AMERICAN STRUCTUREPOINT INC.

PROJECT LEADER/ARCHITECT:
GUIDON DESIGN
2453 N. DELAWARE ST. INDIANAPOLIS, IN. 46205
317.800.6388 WWW.GUIDONDESIGN.COM
SUSTAINABLE ARCHITECTURE + ENGINEERING

ADDENDUM #1 FOR CONSTRUCTION

Drawing Title: TITLE PAGE	Project Title: PARKING GARAGE	Project Number: 12.1042	OFFICE OF FACILITIES MANAGEMENT
		Building Number: Bldg-39	
Approved for Design Concept: John Bartman John.Bartman@va.gov 970-263-5016	Location: Grand Junction VAMC	Drawing Number: G-001	VA Project Number: 575-206
	Date: 03/10/2014 · Checked By: UJ · Drawn By: ARO		Department of Veterans Affairs

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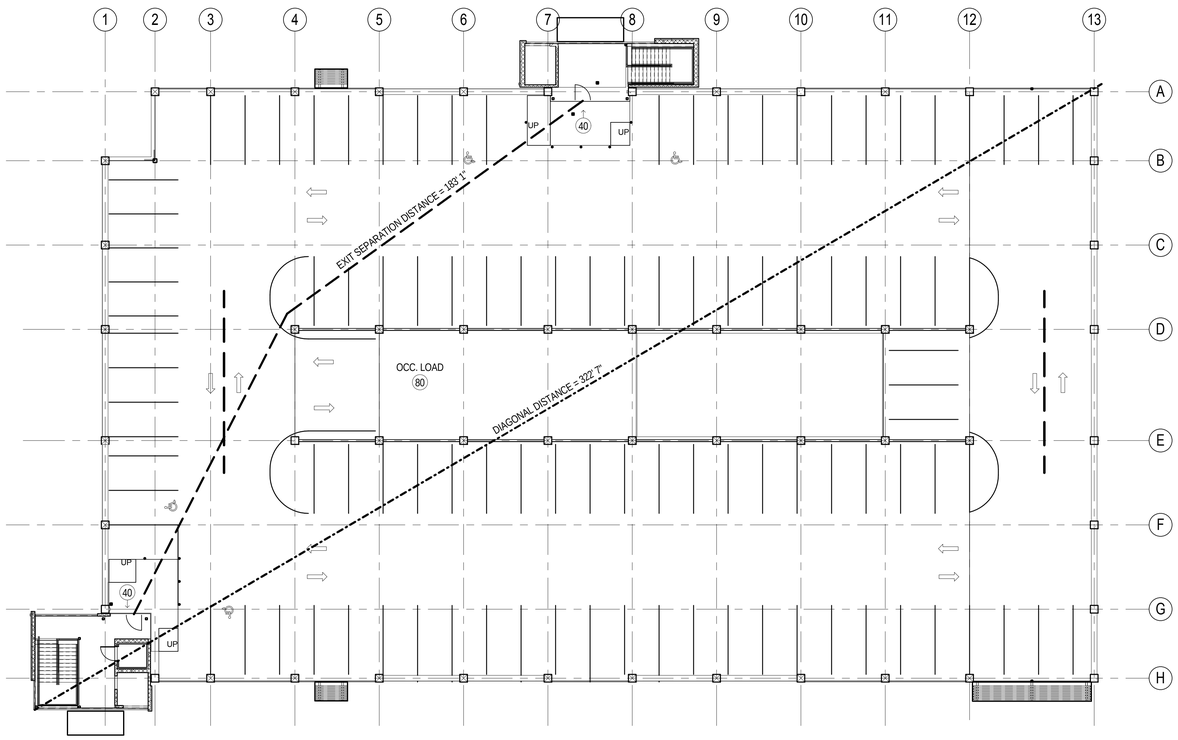
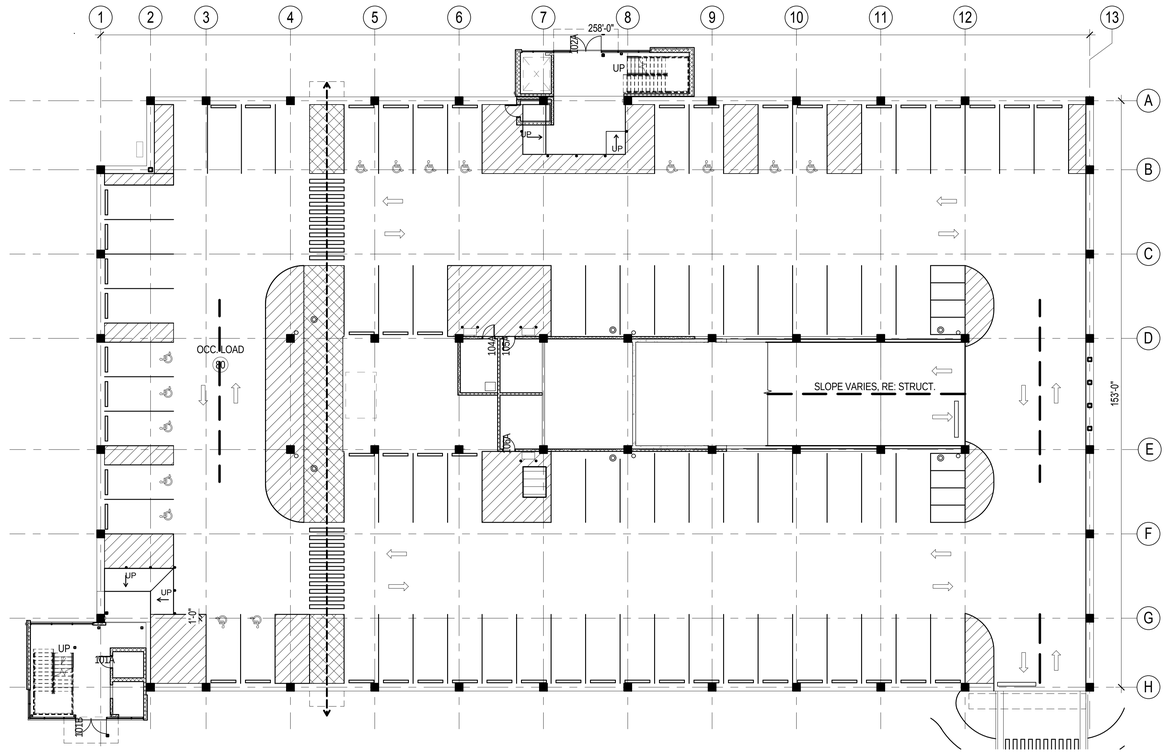


2 G101 **SECOND FLOOR CODE PLAN**

1/16" = 1'-0"



1 G101 **FIRST FLOOR CODE PLAN**

1/16" = 1'-0"

NORTH

0' 4' 8' 16'

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SUSTAINABLE ARCHITECTURE + ENGINEERING

ADDENDUM #1 FOR CONSTRUCTION

Drawing Title: CODE ANALYSIS PLANS	Project Title: PARKING GARAGE	Project Number: 12.1042	OFFICE OF FACILITIES MANAGEMENT
		Building Number: Bldg-39	
Approved for Design Concept: John Bartman, John.Bartman@va.gov, 970-263-5016	Location: Grand Junction VAMC	Drawing Number: G101	VA Project Number: 575-206
	Date: 03/10/2014 — Checked By: UJ — Drawn By: ARO		Department of Veterans Affairs

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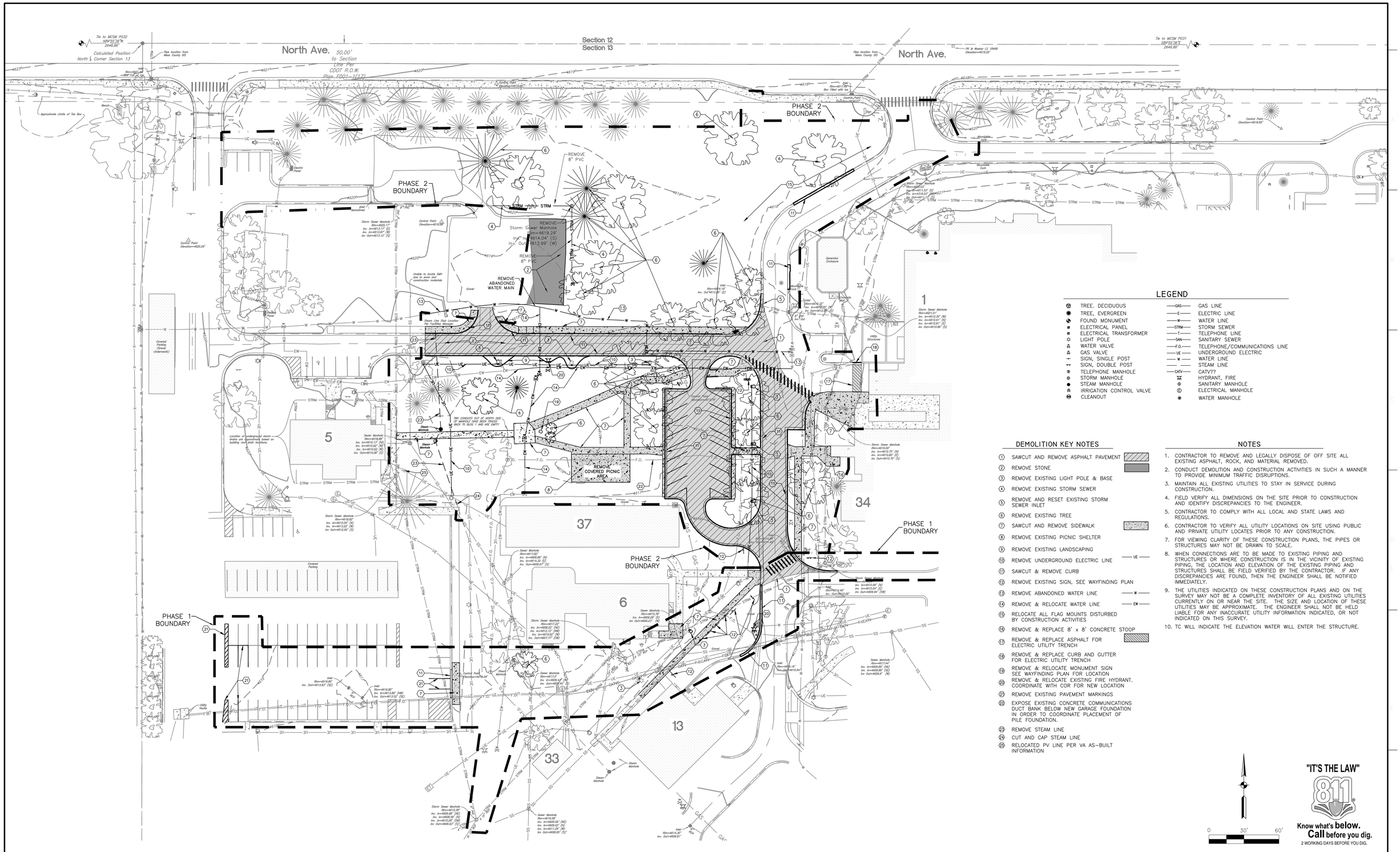

LEGEND

- TREE, DECIDUOUS
- TREE, EVERGREEN
- FOUND MONUMENT
- ELECTRICAL PANEL
- ELECTRICAL TRANSFORMER
- LIGHT POLE
- WATER VALVE
- GAS VALVE
- SIGN, SINGLE POST
- SIGN, DOUBLE POST
- TELEPHONE MANHOLE
- STORM MANHOLE
- STEAM MANHOLE
- IRRIGATION CONTROL VALVE
- CLEANOUT
- GAS — GAS LINE
- E — ELECTRIC LINE
- W — WATER LINE
- STRM — STORM SEWER
- T — TELEPHONE LINE
- SAN — SANITARY SEWER
- F.O. — TELEPHONE/COMMUNICATIONS LINE
- UE — UNDERGROUND ELECTRIC
- W — WATER LINE
- STEAM LINE
- CATV — CATV??
- HYDRANT, FIRE
- SANITARY MANHOLE
- ELECTRICAL MANHOLE
- WATER MANHOLE

DEMOLITION KEY NOTES

1. SAWCUT AND REMOVE ASPHALT PAVEMENT
2. REMOVE STONE
3. REMOVE EXISTING LIGHT POLE & BASE
4. REMOVE EXISTING STORM SEWER
5. REMOVE AND RESET EXISTING STORM SEWER INLET
6. REMOVE EXISTING TREE
7. SAWCUT AND REMOVE SIDEWALK
8. REMOVE EXISTING PICNIC SHELTER
9. REMOVE EXISTING LANDSCAPING
10. REMOVE UNDERGROUND ELECTRIC LINE — UE —
11. SAWCUT & REMOVE CURB
12. REMOVE EXISTING SIGN, SEE WAYFINDING PLAN
13. REMOVE ABANDONED WATER LINE — W —
14. REMOVE & RELOCATE WATER LINE — EW —
15. RELOCATE ALL FLAG MOUNTS DISTURBED BY CONSTRUCTION ACTIVITIES
16. REMOVE & REPLACE 8' x 8' CONCRETE STOOP
17. REMOVE & REPLACE ASPHALT FOR ELECTRIC UTILITY TRENCH
18. REMOVE & REPLACE CURB AND GUTTER FOR ELECTRIC UTILITY TRENCH
19. REMOVE & RELOCATE MONUMENT SIGN SEE WAYFINDING PLAN FOR LOCATION
20. REMOVE & RELOCATE EXISTING FIRE HYDRANT. COORDINATE WITH COR FOR NEW LOCATION
21. REMOVE EXISTING PAVEMENT MARKINGS
22. EXPOSE EXISTING CONCRETE COMMUNICATIONS DUCT BANK BELOW NEW GARAGE FOUNDATION IN ORDER TO COORDINATE PLACEMENT OF PILE FOUNDATION.
23. REMOVE STEAM LINE
24. CUT AND CAP STEAM LINE
25. RELOCATED PV LINE PER VA AS-BUILT INFORMATION

NOTES

1. CONTRACTOR TO REMOVE AND LEGALLY DISPOSE OF OFF SITE ALL EXISTING ASPHALT, ROCK, AND MATERIAL REMOVED.
2. CONDUCT DEMOLITION AND CONSTRUCTION ACTIVITIES IN SUCH A MANNER TO PROVIDE MINIMUM TRAFFIC DISRUPTIONS.
3. MAINTAIN ALL EXISTING UTILITIES TO STAY IN SERVICE DURING CONSTRUCTION.
4. FIELD VERIFY ALL DIMENSIONS ON THE SITE PRIOR TO CONSTRUCTION AND IDENTIFY DISCREPANCIES TO THE ENGINEER.
5. CONTRACTOR TO COMPLY WITH ALL LOCAL AND STATE LAWS AND REGULATIONS.
6. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS ON SITE USING PUBLIC AND PRIVATE UTILITY LOCATES PRIOR TO ANY CONSTRUCTION.
7. FOR VIEWING CLARITY OF THESE CONSTRUCTION PLANS, THE PIPES OR STRUCTURES MAY NOT BE DRAWN TO SCALE.
8. WHEN CONNECTIONS ARE TO BE MADE TO EXISTING PIPING AND STRUCTURES OR WHERE CONSTRUCTION IS IN THE VICINITY OF EXISTING PIPING, THE LOCATION AND ELEVATION OF THE EXISTING PIPING AND STRUCTURES SHALL BE FIELD VERIFIED BY THE CONTRACTOR. IF ANY DISCREPANCIES ARE FOUND, THEN THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
9. THE UTILITIES INDICATED ON THESE CONSTRUCTION PLANS AND ON THE SURVEY MAY NOT BE A COMPLETE INVENTORY OF ALL EXISTING UTILITIES CURRENTLY ON OR NEAR THE SITE. THE SIZE AND LOCATION OF THESE UTILITIES MAY BE APPROXIMATE. THE ENGINEER SHALL NOT BE HELD LIABLE FOR ANY INACCURATE UTILITY INFORMATION INDICATED, OR NOT INDICATED ON THIS SURVEY.
10. TC WILL INDICATE THE ELEVATION WATER WILL ENTER THE STRUCTURE.

0 30' 60'

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Current Revision Description	Date
Revisions:	Date

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Medical Center
2121 North Avenue
Grand Junction, CO 81501

[redacted]

APOGEE Consulting Group, PA
CooverClark
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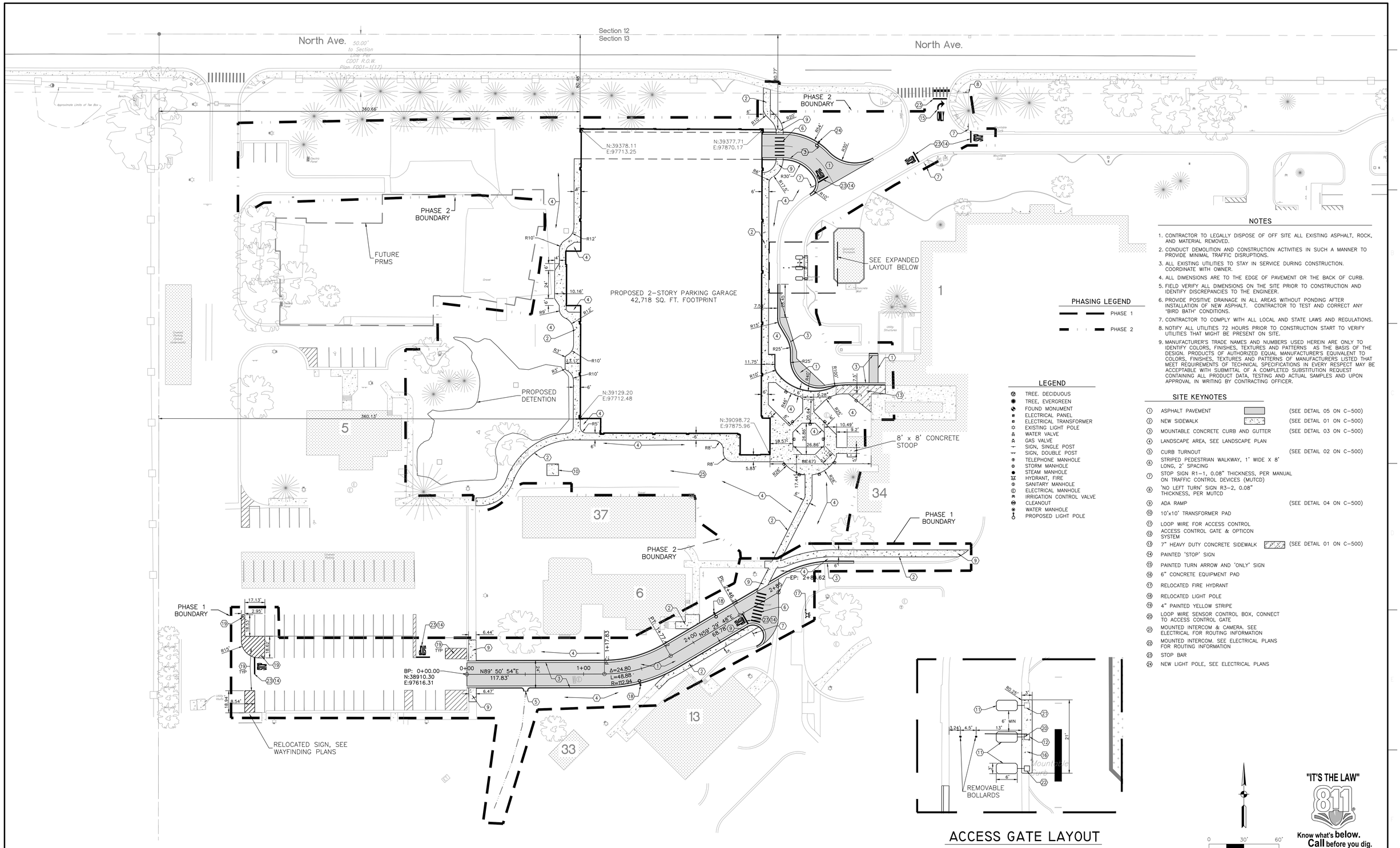
317.800.6388 WWW.GUIDONDESIGN.COM
SUSTAINABLE ARCHITECTURE + ENGINEERING

ADDENDUM #1 FOR CONSTRUCTION

Drawing Title: EXISTING CONDITIONS & DEMOLITION PLAN	Project Title: PARKING STRUCTURE	Project Number: 12.1042	OFFICE OF FACILITIES MANAGEMENT
		Building Number: Bldg-39	
Approved for Design Concept: John Bartman, John.Bartman@va.gov, 970-263-5016	Location: Grand Junction VA	Drawing Number: C-100	VA Project Number: 575-206
	Date: 03/10/14 — Checked By: CHK — Drawn By: MEC		Department of Veterans Affairs

File Path



NOTES

1. CONTRACTOR TO LEGALLY DISPOSE OF OFF SITE ALL EXISTING ASPHALT, ROCK, AND MATERIAL REMOVED.
2. CONDUCT DEMOLITION AND CONSTRUCTION ACTIVITIES IN SUCH A MANNER TO PROVIDE MINIMAL TRAFFIC DISRUPTIONS.
3. ALL EXISTING UTILITIES TO STAY IN SERVICE DURING CONSTRUCTION. COORDINATE WITH OWNER.
4. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR THE BACK OF CURB.
5. FIELD VERIFY ALL DIMENSIONS ON THE SITE PRIOR TO CONSTRUCTION AND IDENTIFY DISCREPANCIES TO THE ENGINEER.
6. PROVIDE POSITIVE DRAINAGE IN ALL AREAS WITHOUT PONDING AFTER INSTALLATION OF NEW ASPHALT. CONTRACTOR TO TEST AND CORRECT ANY "BIRD BATH" CONDITIONS.
7. CONTRACTOR TO COMPLY WITH ALL LOCAL AND STATE LAWS AND REGULATIONS.
8. NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION START TO VERIFY UTILITIES THAT MIGHT BE PRESENT ON SITE.
9. MANUFACTURER'S TRADE NAMES AND NUMBERS USED HEREIN ARE ONLY TO IDENTIFY COLORS, FINISHES, TEXTURES AND PATTERNS AS THE BASIS OF THE DESIGN. PRODUCTS OF AUTHORIZED EQUAL MANUFACTURER'S EQUIVALENT TO COLORS, FINISHES, TEXTURES AND PATTERNS OF MANUFACTURERS LISTED THAT MEET REQUIREMENTS OF TECHNICAL SPECIFICATIONS IN EVERY RESPECT MAY BE ACCEPTABLE WITH SUBMITTAL OF A COMPLETED SUBSTITUTION REQUEST CONTAINING ALL PRODUCT DATA, TESTING AND ACTUAL SAMPLES AND UPON APPROVAL IN WRITING BY CONTRACTING OFFICER.

PHASING LEGEND

- PHASE 1
- PHASE 2

LEGEND

- TREE, DECIDUOUS
- TREE, EVERGREEN
- FOUND MONUMENT
- ELECTRICAL PANEL
- ELECTRICAL TRANSFORMER
- EXISTING LIGHT POLE
- WATER VALVE
- GAS VALVE
- SIGN, SINGLE POST
- SIGN, DOUBLE POST
- TELEPHONE MANHOLE
- STORM MANHOLE
- STEAM MANHOLE
- HYDRANT, FIRE
- SANITARY MANHOLE
- ELECTRICAL MANHOLE
- IRRIGATION CONTROL VALVE
- CLEANOUT
- WATER MANHOLE
- PROPOSED LIGHT POLE

SITE KEYNOTES

1	ASPHALT PAVEMENT	(SEE DETAIL 05 ON C-500)
2	NEW SIDEWALK	(SEE DETAIL 01 ON C-500)
3	MOUNTABLE CONCRETE CURB AND GUTTER	(SEE DETAIL 03 ON C-500)
4	LANDSCAPE AREA, SEE LANDSCAPE PLAN	
5	CURB TURNOUT	(SEE DETAIL 02 ON C-500)
6	STRIPED PEDESTRIAN WALKWAY, 1' WIDE X 8' LONG, 2' SPACING	
7	STOP SIGN R1-1, 0.08" THICKNESS, PER MANUAL ON TRAFFIC CONTROL DEVICES (MUTCD)	
8	'NO LEFT TURN' SIGN R3-2, 0.08" THICKNESS, PER MUTCD	
9	ADA RAMP	(SEE DETAIL 04 ON C-500)
10	10'x10' TRANSFORMER PAD	
11	LOOP WIRE FOR ACCESS CONTROL	
12	ACCESS CONTROL GATE & OPTICON SYSTEM	
13	7" HEAVY DUTY CONCRETE SIDEWALK	(SEE DETAIL 01 ON C-500)
14	PAINTED 'STOP' SIGN	
15	PAINTED TURN ARROW AND 'ONLY' SIGN	
16	6" CONCRETE EQUIPMENT PAD	
17	RELOCATED FIRE HYDRANT	
18	RELOCATED LIGHT POLE	
19	4" PAINTED YELLOW STRIPE	
20	LOOP WIRE SENSOR CONTROL BOX, CONNECT TO ACCESS CONTROL GATE	
21	MOUNTED INTERCOM & CAMERA. SEE ELECTRICAL FOR ROUTING INFORMATION	
22	MOUNTED INTERCOM. SEE ELECTRICAL PLANS FOR ROUTING INFORMATION	
23	STOP BAR	
24	NEW LIGHT POLE, SEE ELECTRICAL PLANS	

ACCESS GATE LAYOUT

0 30' 60'

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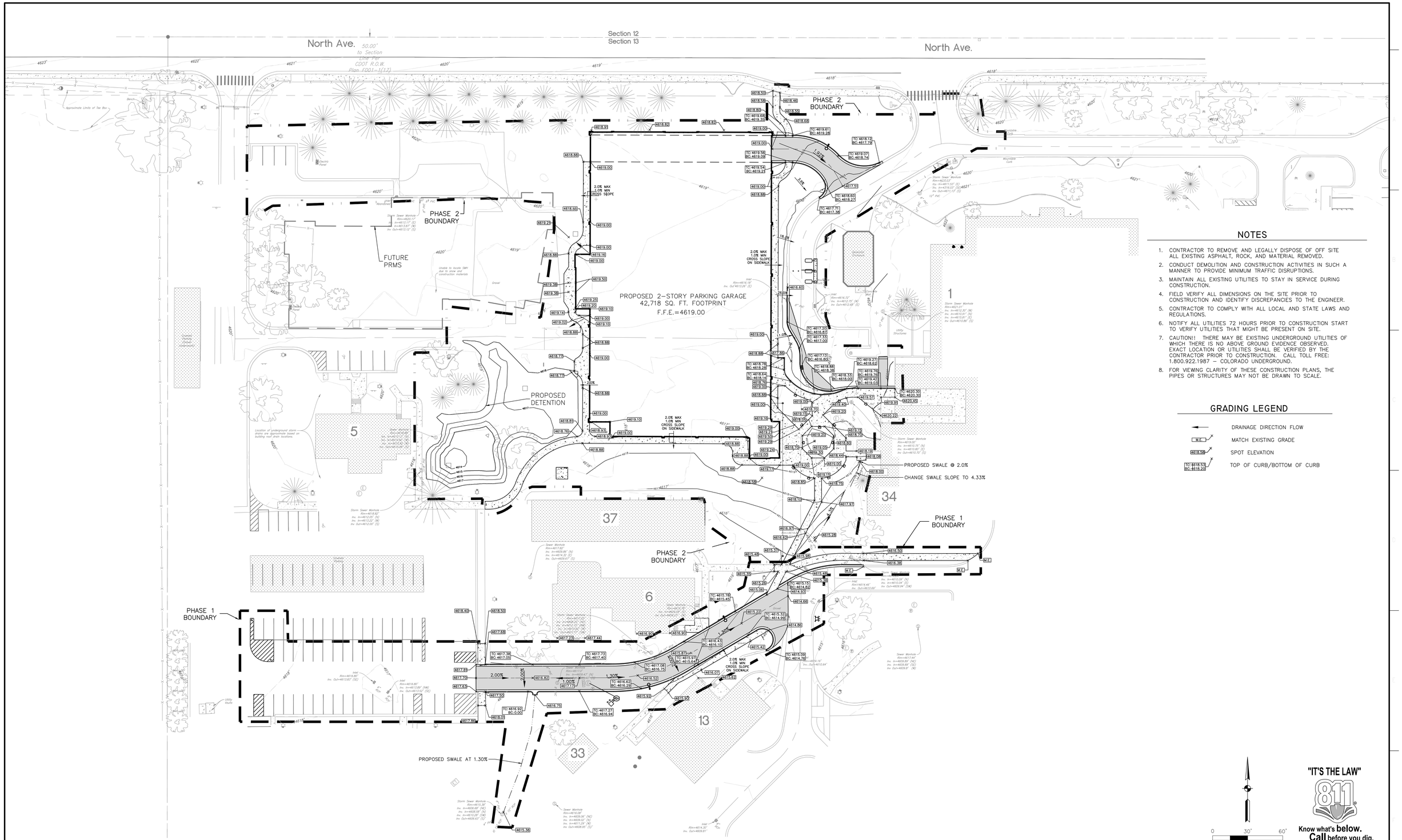
SUSTAINABLE ARCHITECTURE + ENGINEERING

ADDENDUM #1 FOR CONSTRUCTION

Drawing Title: SITE PLAN	Project Title: PARKING STRUCTURE	Project Number: 12.1042 / Building Number: Bldg-39	OFFICE OF FACILITIES MANAGEMENT
Approved for Design Concept: John Bartman, John.Bartman@va.gov, 970-263-5016	Location: Grand Junction VA	Drawing Number: C-110	VA Project Number: 575-206
	Date: 03/10/14 / Checked By: SLP / Drawn By: MEC		Department of Veterans Affairs



NOTES

1. CONTRACTOR TO REMOVE AND LEGALLY DISPOSE OF OFF SITE ALL EXISTING ASPHALT, ROCK, AND MATERIAL REMOVED.
2. CONDUCT DEMOLITION AND CONSTRUCTION ACTIVITIES IN SUCH A MANNER TO PROVIDE MINIMUM TRAFFIC DISRUPTIONS.
3. MAINTAIN ALL EXISTING UTILITIES TO STAY IN SERVICE DURING CONSTRUCTION.
4. FIELD VERIFY ALL DIMENSIONS ON THE SITE PRIOR TO CONSTRUCTION AND IDENTIFY DISCREPANCIES TO THE ENGINEER.
5. CONTRACTOR TO COMPLY WITH ALL LOCAL AND STATE LAWS AND REGULATIONS.
6. NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION START TO VERIFY UTILITIES THAT MIGHT BE PRESENT ON SITE.
7. CAUTION!! THERE MAY BE EXISTING UNDERGROUND UTILITIES OF WHICH THERE IS NO ABOVE GROUND EVIDENCE OBSERVED. EXACT LOCATION OR UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL TOLL FREE: 1.800.922.1987 – COLORADO UNDERGROUND.
8. FOR VIEWING CLARITY OF THESE CONSTRUCTION PLANS, THE PIPES OR STRUCTURES MAY NOT BE DRAWN TO SCALE.

GRADING LEGEND

←	DRAINAGE DIRECTION FLOW
M.E.	MATCH EXISTING GRADE
4618.XX	SPOT ELEVATION
TC: 4618.53 BC: 4618.23	TOP OF CURB/BOTTOM OF CURB

0 30' 60'

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SUSTAINABLE ARCHITECTURE + ENGINEERING

ADDENDUM #1 FOR CONSTRUCTION

Drawing Title: GRADING PLAN	Project Title: PARKING STRUCTURE	Project Number: 12.1042	OFFICE OF FACILITIES MANAGEMENT
		Building Number: Bldg–39	
Approved for Design Concept: John Bartman John.Bartman@va.gov 970–263–5016	Location: Grand Junction VA	Drawing Number: C–120	VA Project Number: 575–206
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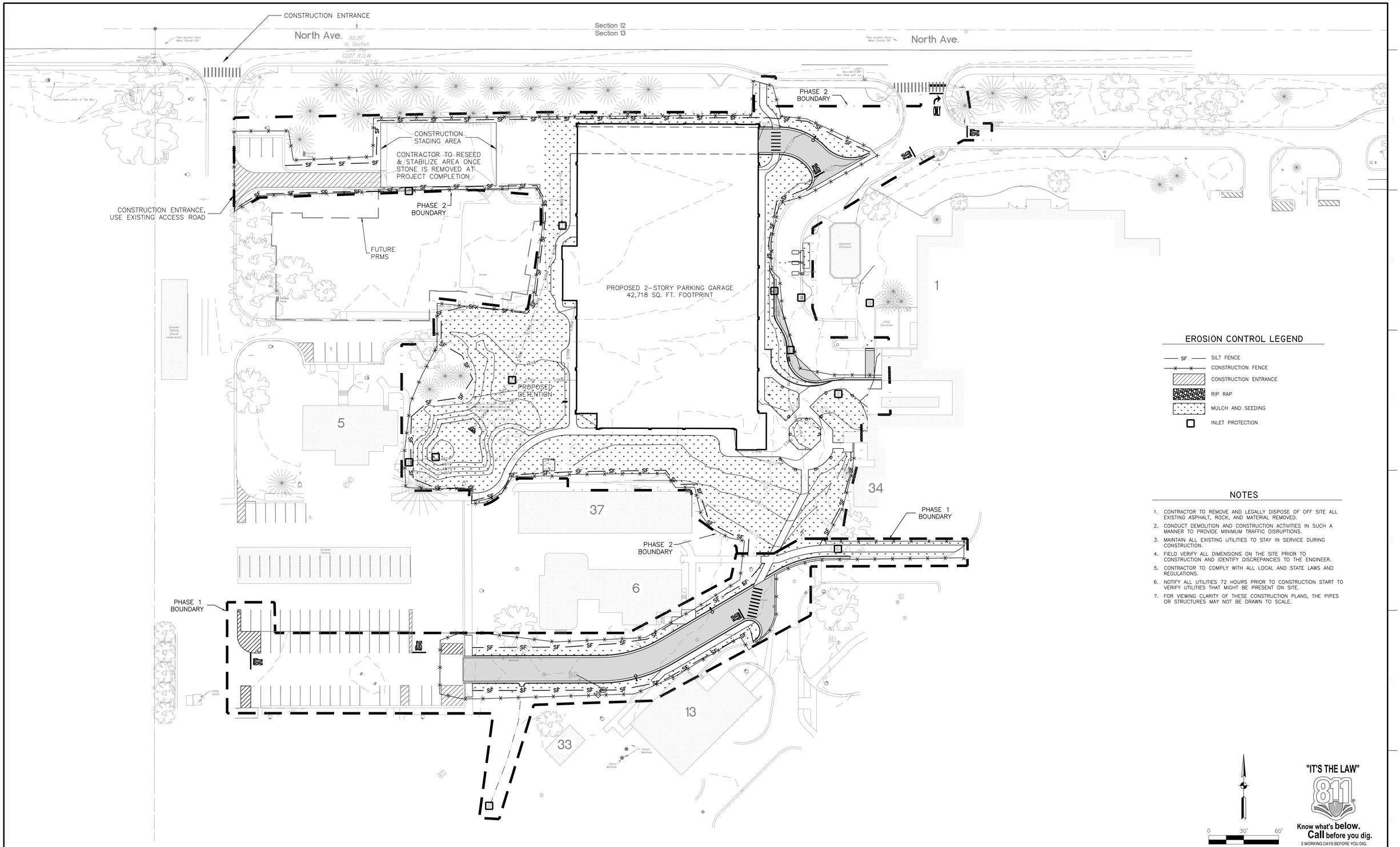

EROSION CONTROL LEGEND

- SF — SILT FENCE
- CONSTRUCTION FENCE
- CONSTRUCTION ENTRANCE
- RIP RAP
- MULCH AND SEEDING
- INLET PROTECTION

NOTES

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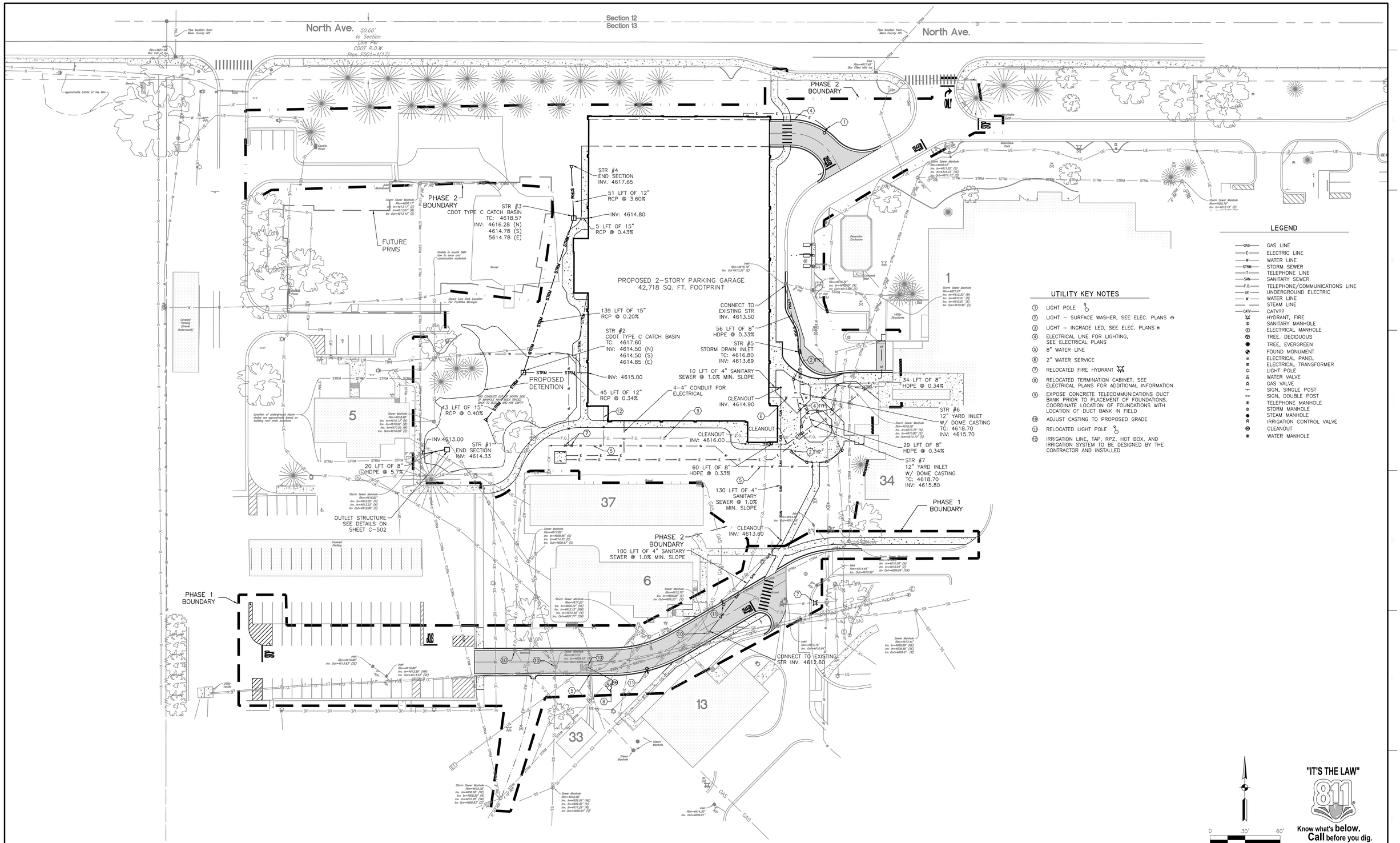
AMERICAN STRUCTUREPOINT INC.

PROJECT LEADER/ARCHITECT:
GUIDON DESIGN
2453 N. DELAWARE ST. INDIANAPOLIS, IN. 46205
317.800.6388 WWW.GUIDONDESIGN.COM
SUSTAINABLE ARCHITECTURE + ENGINEERING

ADDENDUM #1 FOR CONSTRUCTION

Drawing Title: EROSION CONTROL PLAN	Project Title: PARKING STRUCTURE	Project Number: 12.1042	OFFICE OF FACILITIES MANAGEMENT
		Building Number: Bldg-39	
Approved for Design Concept: John Bartman, John.Bartman@va.gov, 970-263-5016	Location: Grand Junction VA	Drawing Number: C-130	VA Project Number: 575-206
	Date: 03/10/14 · Checked By: SLP · Drawn By: TPK		Department of Veterans Affairs



LEGEND

- GAS — GAS LINE
- E — ELECTRIC LINE
- W — WATER LINE
- STRM — STORM SEWER
- T — TELEPHONE LINE
- SAN — SANITARY SEWER
- F.O. — TELEPHONE/COMMUNICATIONS LINE
- UE — UNDERGROUND ELECTRIC
- W — WATER LINE
- — STEAM LINE
- CATV — CATV??
- HYDRANT, FIRE
- SANITARY MANHOLE
- ELECTRICAL MANHOLE
- TREE, DECIDUOUS
- TREE, EVERGREEN
- FOUND MONUMENT
- ELECTRICAL PANEL
- ELECTRICAL TRANSFORMER
- LIGHT POLE
- WATER VALVE
- GAS VALVE
- SIGN, SINGLE POST
- SIGN, DOUBLE POST
- TELEPHONE MANHOLE
- STORM MANHOLE
- STEAM MANHOLE
- IRRIGATION CONTROL VALVE
- CLEANOUT
- WATER MANHOLE

UTILITY KEY NOTES

1. LIGHT POLE
2. LIGHT – SURFACE WASHER, SEE ELEC. PLANS
3. LIGHT – INGRADE LED, SEE ELEC. PLANS
4. ELECTRICAL LINE FOR LIGHTING, SEE ELECTRICAL PLANS
5. 8" WATER LINE
6. 2" WATER SERVICE
7. RELOCATED FIRE HYDRANT
8. RELOCATED TERMINATION CABINET, SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION
9. EXPOSE CONCRETE TELECOMMUNICATIONS DUCT BANK PRIOR TO PLACEMENT OF FOUNDATIONS. COORDINATE LOCATION OF FOUNDATIONS WITH LOCATION OF DUCT BANK IN FIELD
10. ADJUST CASTING TO PROPOSED GRADE
11. RELOCATED LIGHT POLE
12. IRRIGATION LINE, TAP, RPZ, HOT BOX, AND IRRIGATION SYSTEM TO BE DESIGNED BY THE CONTRACTOR AND INSTALLED

0 30' 60'

"IT'S THE LAW" 811 Know what's below. Call before you dig. 2 WORKING DAYS BEFORE YOU DIG.

Current Revision Description	Date
Revisions:	Date

Grand Junction VA
Medical Center
2121 North Avenue
Grand Junction, CO 81501

[redacted]

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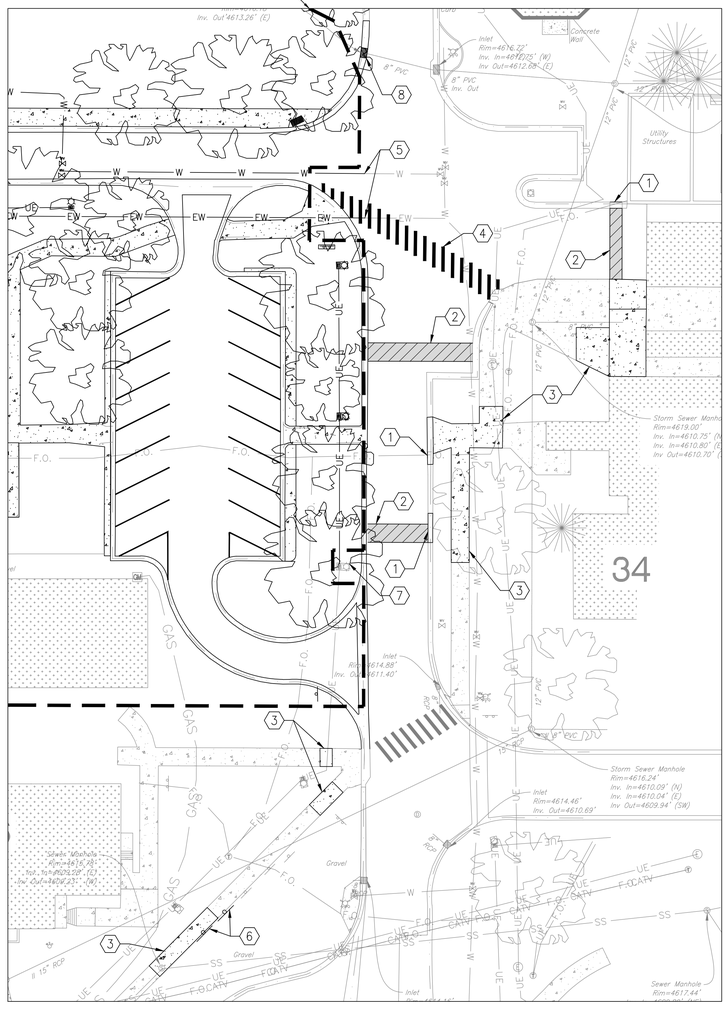
ADDENDUM #1 FOR CONSTRUCTION

Drawing Title: UTILITY PLAN	Project Title: PARKING STRUCTURE	Project Number: 12.1042	OFFICE OF FACILITIES MANAGEMENT
		Building Number: Bldg-39	
Approved for Design Concept: John Bartman, John.Bartman@va.gov, 970-263-5016	Location: Grand Junction VA	Drawing Number: C-140	VA Project Number: 575-206
	Date: 03/10/13 · Checked By: SLP · Drawn By: TPK		Department of Veterans Affairs

File Path:

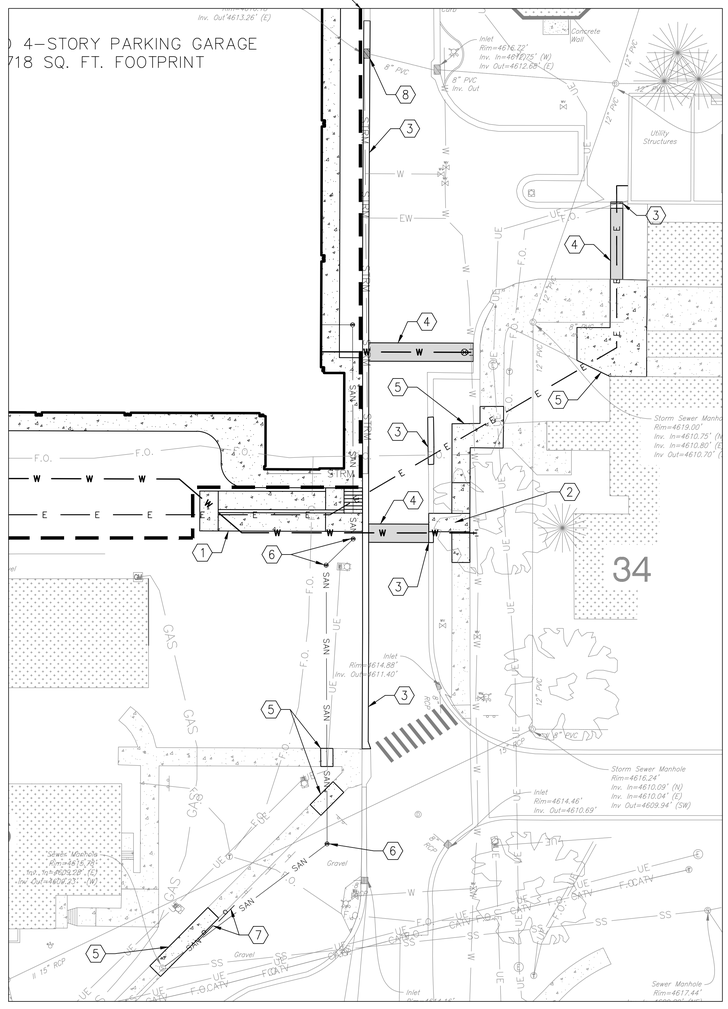
SEE SHEET C-100 FOR BASE BID DEMOLITION WEST AND NORTH OF THIS LINE



DEMOLITION PLAN

1. REMOVE CURB AND GUTTER
2. REMOVE ASPHALT PAVEMENT
3. REMOVE CONCRETE SIDEWALK
4. REMOVE CROSSWALK BY GRINDING
5. CUT AND CAP WATER LINE
6. REMOVE SIGN FOR SANITARY SEWER TRENCH. REPLACE AFTER CONSTRUCTION OF SANITARY LINE
7. LIGHT POLE NOT TO BE REMOVED
8. REMOVE CASTING AND STORE ON SITE FOR REUSE

SEE SHEET C-110 AND C-140 FOR BASE BID SITE WORK WEST AND NORTH OF THIS LINE



SITE/UTILITY PLAN

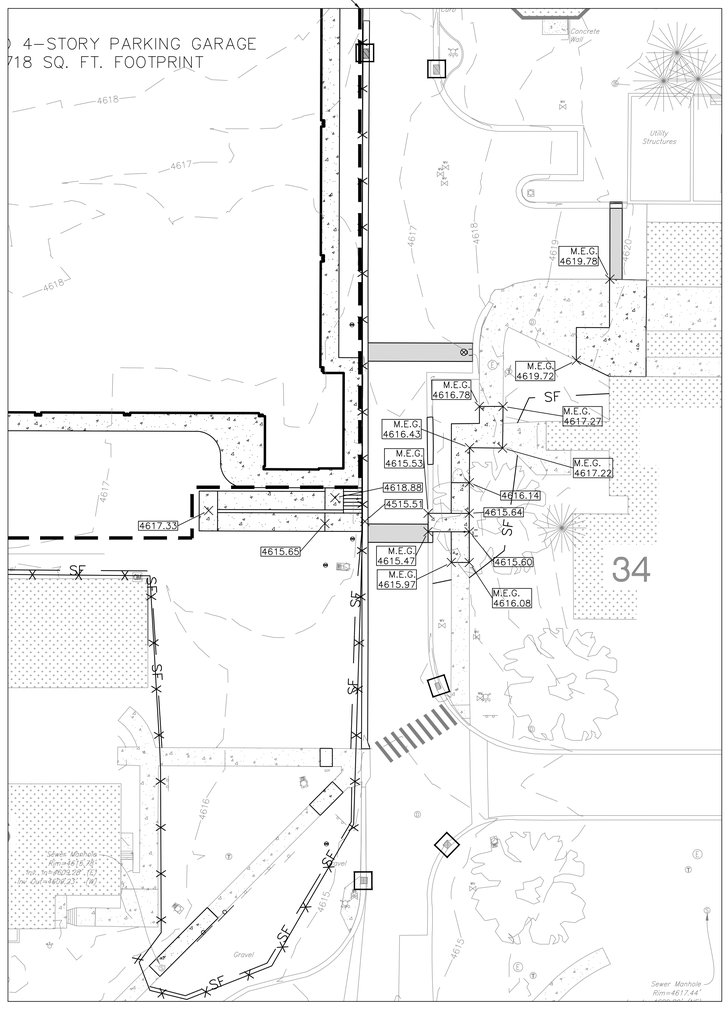
1. ACCESSIBILITY (ADA) RAMP
2. ACCESSIBILITY (ADA) CURB RAMP
3. CONCRETE CURB AND GUTTER
4. ASPHALT PAVEMENT
5. CONCRETE SIDEWALK
6. SANITARY CLEANOUT
7. REUSED SIGNAGE
8. REMOVE AND RESET CASTING

NOTE: THIS SHEET ONLY CALLS OUT SITE WORK THAT DIFFERS FROM THE BASE BID DUE TO ALTERNATE #7.

ALTERNATE #7: DO NOT CONSTRUCT SOUTH ACCESS DRIVE. DO NOT PROVIDE/RELOCATE SITE LIGHTING ALONG SOUTH ACCES DRIVE. DO NOT RELOCATE TELECOMMUNICATIONS, MANHOLE, OR ASSOCIATED WIRING. DO NOT CONSTRUCT PLAZA COURTYARD. DO NOT PROVIDE ACCESS CONTROL EQUIPMENT.

CONSTRUCT SIDEWALK AND PEDESTRIAN CROSSING ALONG WITH ADA RAMP AS INDICATED IN DRAWINGS FOR THIS ALTERNATE.

SEE SHEET C-120 AND C-130 FOR BASE BID SITE WORK WEST AND NORTH OF THIS LINE



GRADING/EROSION CONTROL PLAN

SEEDING

SILT FENCE — SF —

CONSTRUCTION FENCE — x — x —

INLET PROTECTION

0 20' 30'

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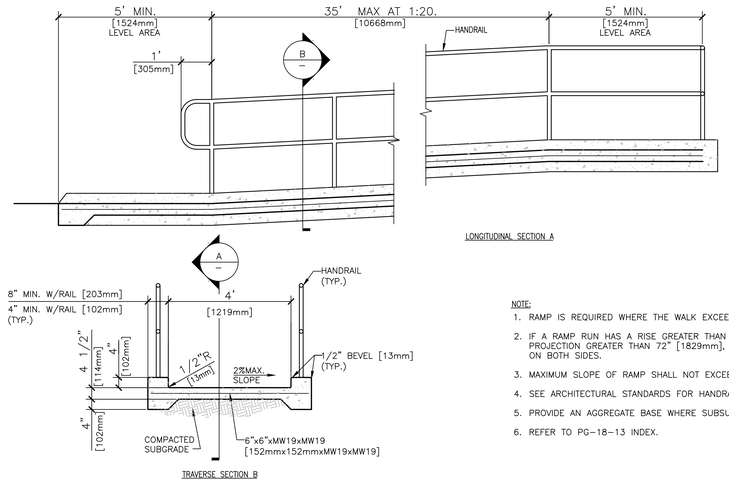
ADDENDUM #1 FOR CONSTRUCTION

Drawing Title: SITE DEVELOPMENT PLAN ALTERNATE #7	Project Title: PARKING STRUCTURE	Project Number: 12.1042	OFFICE OF FACILITIES MANAGEMENT
		Building Number: Bldg-39	
Approved for Design Concept: John Bartman John.Bartman@va.gov 970-263-5016	Location: Grand Junction VA	Drawing Number: C-150	VA Project Number: 575-206
	Date: 03/10/14 · Checked by: SLP · Drawn By: MEC		Department of Veterans Affairs

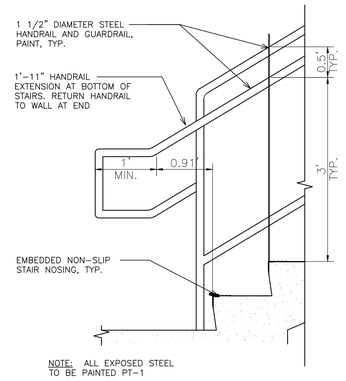


NOTE:

1. RAMP IS REQUIRED WHERE THE WALK EXCEEDS 3%.
2. IF A RAMP RUN HAS A RISE GREATER THAN 6" [152mm] OR A HORIZONTAL PROJECTION GREATER THAN 72" [1829mm], THEN IT SHALL HAVE HANDRAILS ON BOTH SIDES.
3. MAXIMUM SLOPE OF RAMP SHALL NOT EXCEED 5.0%.
4. SEE ARCHITECTURAL STANDARDS FOR HANDRAIL DETAILS.
5. PROVIDE AN AGGREGATE BASE WHERE SUBSURFACE CONDITIONS WARRANT IT.
6. REFER TO PG-18-13 INDEX.

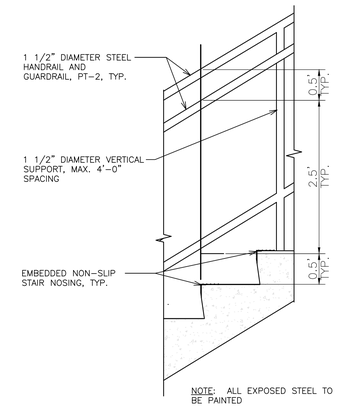
1 RAMP FOR DISABLED PERSONS

NTS



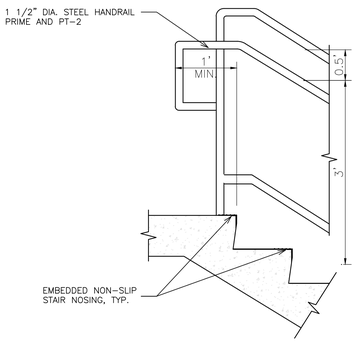
2 STAIR BASE DETAIL

NTS



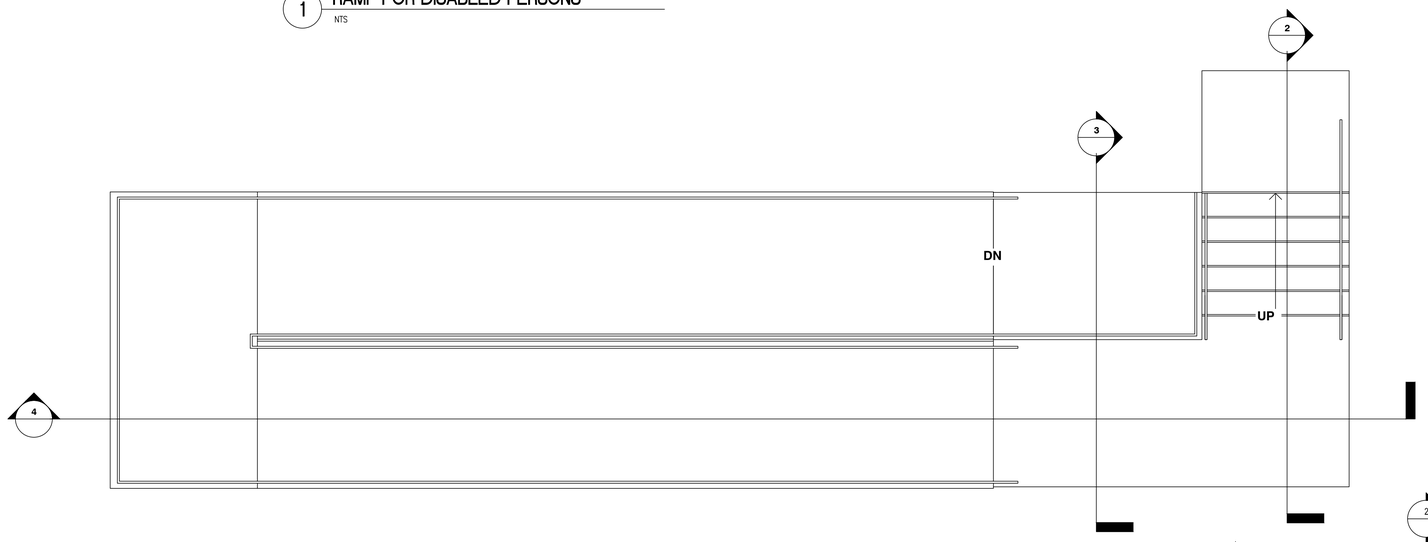
3 STAIR DETAIL, TYP.

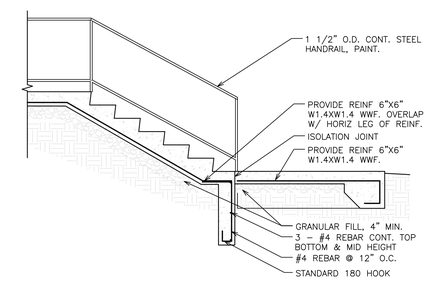
NTS

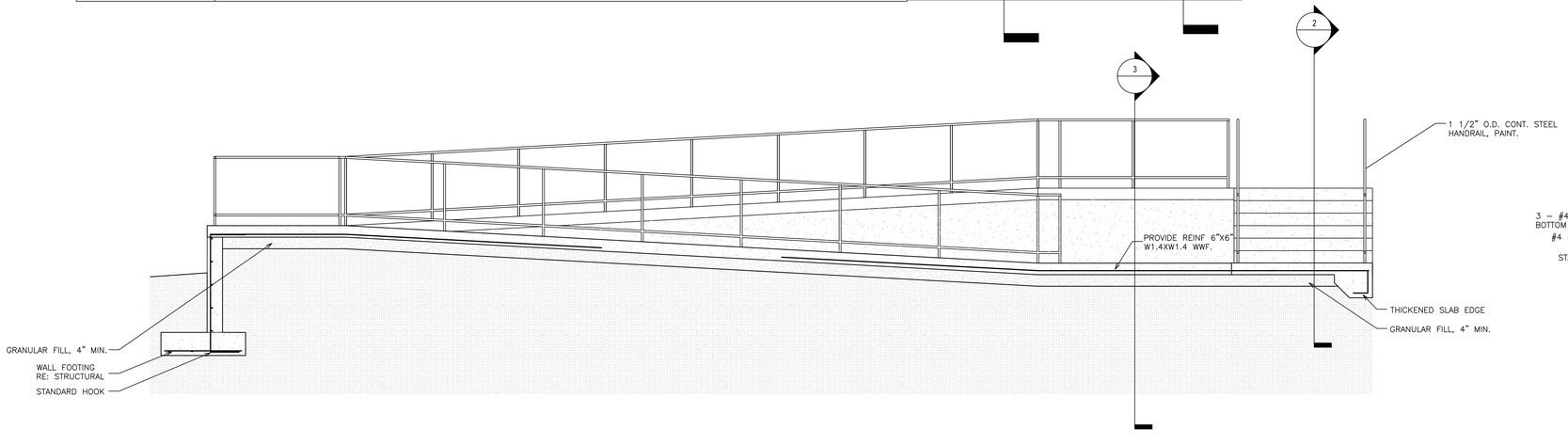


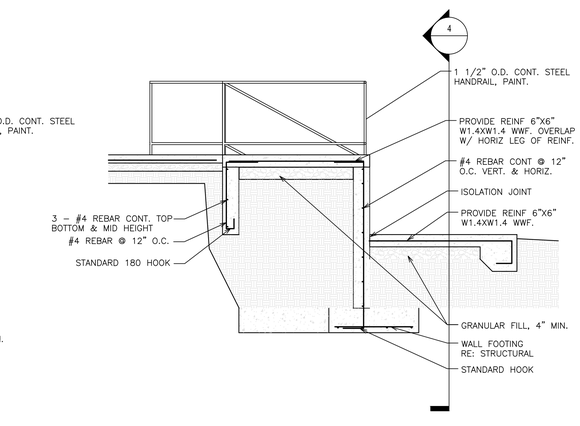
4 STAIR HEAD DETAIL

NTS









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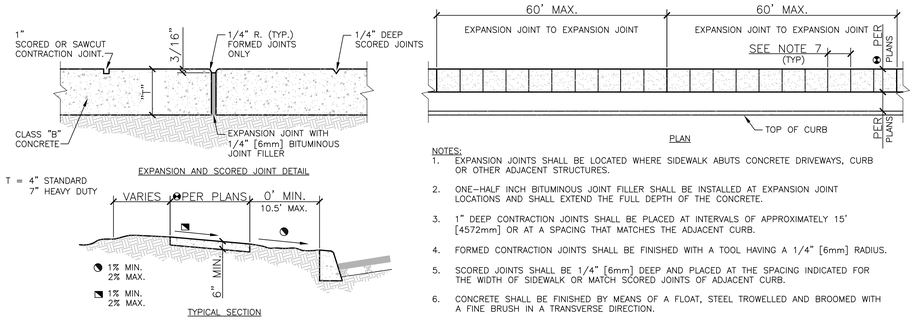
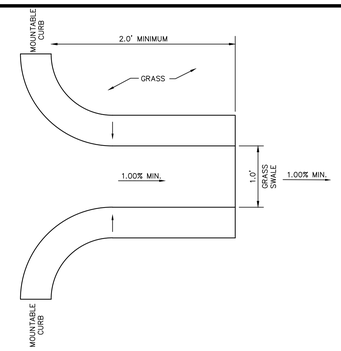
SUSTAINABLE ARCHITECTURE + ENGINEERING

Drawing Title: SITE DEVELOPMENT DETAILS ALTERNATE #7	Project Title: PARKING STRUCTURE	Project Number: 12.1042	OFFICE OF FACILITIES MANAGEMENT
		Building Number: Bldg-39	
Approved for Design Concept: John Bartman, John.Bartman@va.gov, 970-263-5016	Location: Grand Junction VA	Drawing Number: C-151	VA Project Number: 575-206
	Date: 03/10/13 · Checked By: SLP · Drawn By: MEC		Department of Veterans Affairs

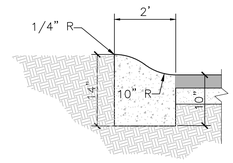


NOTES:
1. EXPANSION JOINTS SHALL BE LOCATED WHERE SIDEWALK ABUTS CONCRETE DRIVEWAYS, CURB OR OTHER ADJACENT STRUCTURES.
2. ONE-HALF INCH BITUMINOUS JOINT FILLER SHALL BE INSTALLED AT EXPANSION JOINT LOCATIONS AND SHALL EXTEND THE FULL DEPTH OF THE CONCRETE.
3. 1" DEEP CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF APPROXIMATELY 15' [4572mm] OR AT A SPACING THAT MATCHES THE ADJACENT CURB.
4. FORMED CONTRACTION JOINTS SHALL BE FINISHED WITH A TOOL HAVING A 1/4" [6mm] RADIUS.
5. SCORED JOINTS SHALL BE 1/4" [6mm] DEEP AND PLACED AT THE SPACING INDICATED FOR THE WIDTH OF SIDEWALK OR MATCH SCORED JOINTS OF ADJACENT CURB.
6. CONCRETE SHALL BE FINISHED BY MEANS OF A FLOAT, STEEL TROWELLED AND BROOMED WITH A FINE BRUSH IN A TRANSVERSE DIRECTION.
7. 1/4" DEEP SCORED JOINTS (TYP) SPACED AT 6' [1829mm] OR EQUAL TO SIDEWALK WIDTH.

1 CONCRETE SIDEWALK AND PLAZA PAVEMENT
NTS

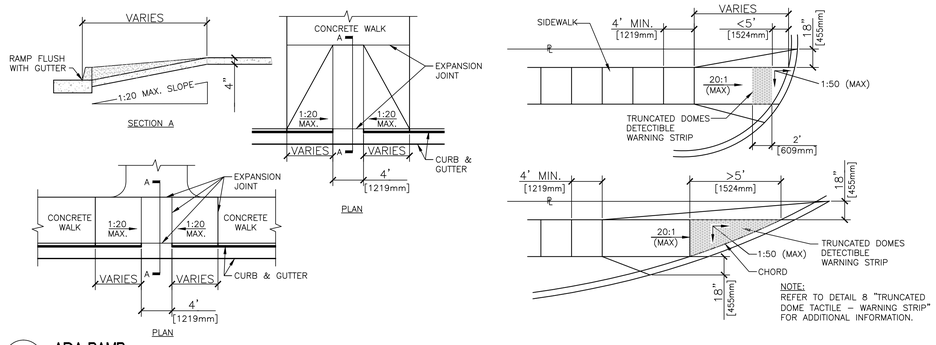


2 CURB TURNOUT
NTS



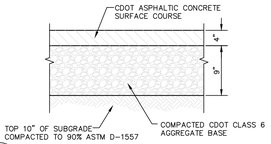
NOTES:
1. ALL CONCRETE CURBS SHALL SHALL BE 4,000 PSI WITH 6% AIR ENTRAINED CONCRETE.
2. MAXIMUM SPACING ON SCORED JOINTS SHALL BE 15'.
3. 1/2" THICK EXPANSION JOINTS SHALL BE LOCATED AT TANGENT POINTS IN CURB RETURNS, TRANSITIONS, AND AT A MAXIMUM OF 60' [1828.8cm] INTERVALS. EXPANSION MATERIAL SHALL ALSO BE PLACED BETWEEN CURBS AND ADJACENT STRUCTURES, SIDEWALKS, DRIVEWAYS AND CURB ACCESS RAMPS. THE 1/2" JOINT FILLER SHALL EXTEND THE FULL DEPTH OF THE CONCRETE.
4. CONCRETE SHALL BE FINISHED WITH A STEEL TROWEL FOLLOWED BY BRUSHING WITH A FINE BRUSH ALONG THE LENGTH OF THE CURB OR CURB AND GUTTER.
5. SINGLE CURB MAY BE CONSTRUCTED BY THE USE OF FORMS OR MAY BE SLIP FORMED.
6. ALL EXPOSED EDGES AND HAND TOOLED JOINTS SHALL BE FINISHED WITH A TOOL HAVING A 1/4" RADIUS UNLESS A LARGER RADIUS IS INDICATED BY THE APPLICABLE STANDARD DETAIL OR PROJECT PLANS.

3 MOUNTABLE CONCRETE CURB
NTS

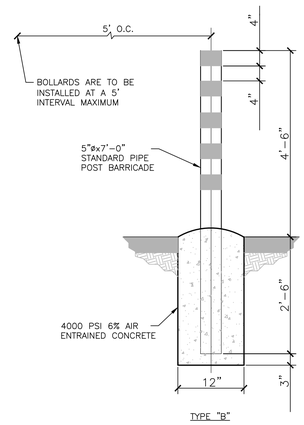


NOTE:
REFER TO DETAIL 8 "TRUNCATED DOME TACTILE - WARNING STRIP" FOR ADDITIONAL INFORMATION.

4 ADA RAMP
NTS

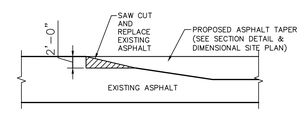


5 HEAVY DUTY PAVEMENT SECTION
ON SITE

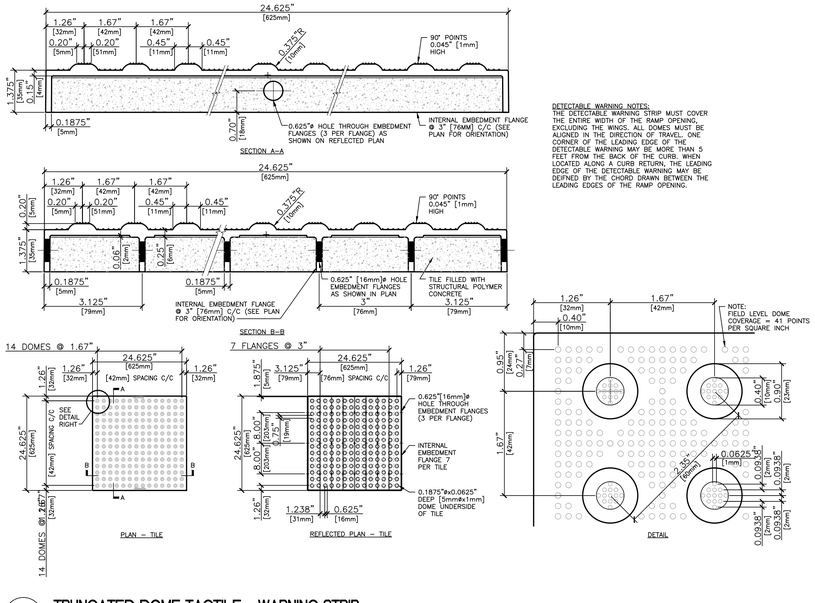


NOTES:
1. POST BARRICADES SHALL BE PAINTED WITH ONE PRIME COAT OF RED OXIDE (PAINT NO.1). ONE FINISH COAT OF DULL BLACK ENAMEL PER VA SPECIFICATIONS AND STRIPES CONSISTING OF 4" [102mm] BANDS OF YELLOW REFLECTORIZED TAPE SHALL BE USED UNLESS OTHERWISE SPECIFIED ON THE PLANS.
2. FINISH COLOR COMBINATIONS, OTHER THAN THAT SPECIFIED ABOVE, SHALL BE SUBMITTED TO THE AGENCY FOR APPROVAL.
3. SEE DETAILS 20 AND 21 ON C-502 FOR ADDITIONAL INFORMATION ON CONNECTION OF REMOVABLE POST BARRICADES.

6 CONCRETE POST BARRICADES
NTS

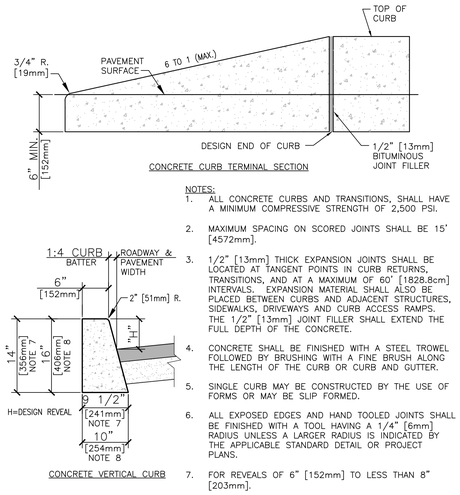


7 ASPHALT TAPER TO EXISTING PAVEMENT
NTS



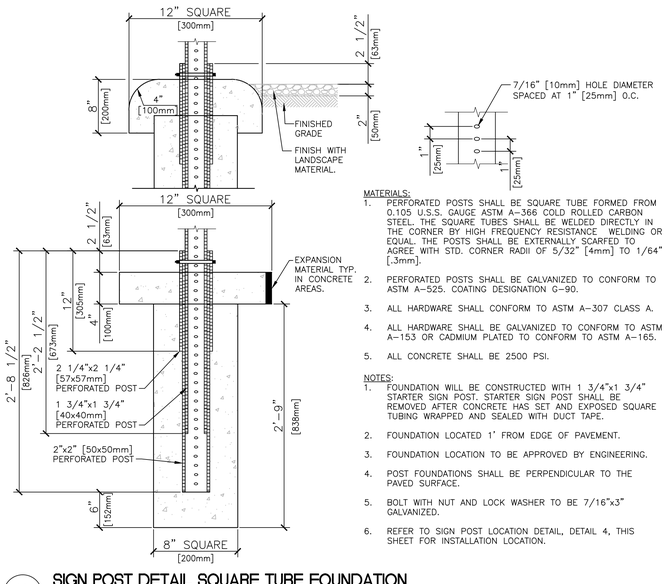
DETECTABLE WARNING NOTES:
THE DETECTABLE WARNING STRIP MUST COVER THE ENTIRE WIDTH OF THE RAMP OPENING, EXCLUDING THE WINGS. ALL DOMES MUST BE ALIGNED IN THE DIRECTION OF TRAVEL. ONE CORNER OF THE LEADING EDGE OF THE DETECTABLE WARNING MAY BE MORE THAN 5 FEET FROM THE BACK OF THE CURB. WHEN LOCATED ALONG A CURB RETURN, THE LEADING EDGE OF THE DETECTABLE WARNING MAY BE DEFINED BY THE CHORD DRAWN BETWEEN THE LEADING EDGES OF THE RAMP OPENING.

8 TRUNCATED DOME TACTILE - WARNING STRIP



NOTES:
1. ALL CONCRETE CURBS AND TRANSITIONS, SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI.
2. MAXIMUM SPACING ON SCORED JOINTS SHALL BE 15' [4572mm].
3. 1/2" [13mm] THICK EXPANSION JOINTS SHALL BE LOCATED AT TANGENT POINTS IN CURB RETURNS, TRANSITIONS, AND AT A MAXIMUM OF 60' [1828.8cm] INTERVALS. EXPANSION MATERIAL SHALL ALSO BE PLACED BETWEEN CURBS AND ADJACENT STRUCTURES, SIDEWALKS, DRIVEWAYS AND CURB ACCESS RAMPS. THE 1/2" [13mm] JOINT FILLER SHALL EXTEND THE FULL DEPTH OF THE CONCRETE.
4. CONCRETE SHALL BE FINISHED WITH A STEEL TROWEL FOLLOWED BY BRUSHING WITH A FINE BRUSH ALONG THE LENGTH OF THE CURB OR CURB AND GUTTER.
5. SINGLE CURB MAY BE CONSTRUCTED BY THE USE OF FORMS OR MAY BE SLIP FORMED.
6. ALL EXPOSED EDGES AND HAND TOOLED JOINTS SHALL BE FINISHED WITH A TOOL HAVING A 1/4" [6mm] RADIUS UNLESS A LARGER RADIUS IS INDICATED BY THE APPLICABLE STANDARD DETAIL OR PROJECT PLANS.
7. FOR REVEALS OF 6" [152mm] TO LESS THAN 8" [203mm].
8. FOR REVEALS OF 8" [203mm] TO 10" [254mm].

9 CONCRETE CURB AND TERMINAL SECTION
NTS



MATERIALS:
1. PERFORATED POSTS SHALL BE SQUARE TUBE FORMED FROM 0.105 U.S.S. GAUGE ASTM A-366 COLD ROLLED CARBON STEEL. THE SQUARE TUBES SHALL BE WELDED DIRECTLY IN THE CORNER BY HIGH FREQUENCY RESISTANCE WELDING OR EQUAL. THE POSTS SHALL BE EXTERNALLY SCARFED TO AGREE WITH STD. CORNER RADII OF 5/32" [4mm] TO 1/64" [.3mm].
2. PERFORATED POSTS SHALL BE GALVANIZED TO CONFORM TO ASTM A-525. COATING DESIGNATION G-90.
3. ALL HARDWARE SHALL CONFORM TO ASTM A-307 CLASS A.
4. ALL HARDWARE SHALL BE GALVANIZED TO CONFORM TO ASTM A-153 OR CADMIUM PLATED TO CONFORM TO ASTM A-165.
5. ALL CONCRETE SHALL BE 2500 PSI.

NOTES:
1. FOUNDATION WILL BE CONSTRUCTED WITH 1 3/4"x1 3/4" STARTER SIGN POST. STARTER SIGN POST SHALL BE REMOVED AFTER CONCRETE HAS SET AND EXPOSED SQUARE TUBING WRAPPED AND SEALED WITH DUCT TAPE.
2. FOUNDATION LOCATED 1' FROM EDGE OF PAVEMENT.
3. FOUNDATION LOCATION TO BE APPROVED BY ENGINEERING.
4. POST FOUNDATIONS SHALL BE PERPENDICULAR TO THE PAVED SURFACE.
5. BOLT WITH NUT AND LOCK WASHER TO BE 7/16"x3" GALVANIZED.
6. REFER TO SIGN POST LOCATION DETAIL, DETAIL 4, THIS SHEET FOR INSTALLATION LOCATION.

10 SIGN POST DETAIL SQUARE TUBE FOUNDATION
NTS

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Grand Junction, CO 81501

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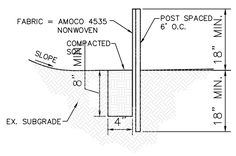
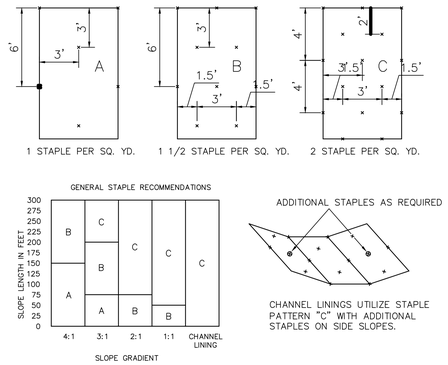
ADDENDUM #1 FOR CONSTRUCTION

Drawing Title: DETAIL SHEET	Project Title: PARKING STRUCTURE	Project Number: 12.1042	OFFICE OF FACILITIES MANAGEMENT
		Building Number: BIdg-39	
Approved for Design Concept: John Bartman, John.Bartman@va.gov, 970-263-5016	Location: Grand Junction VA	Drawing Number: C-500	VA Project Number: 575-206
	Date: 03/10/14 · Checked by: SLP · Drawn by: MEC		Department of Veterans Affairs



11 SEDIMENT CONTROL FENCE

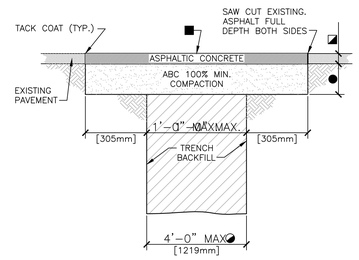


NOTES:

1. STAPLE PATTERNS APPLY TO ALL NORTH AMERICAN GREEN EROSION BLANKETS.
2. STAPLE PATTERNS MAY VARY DEPENDING UPON SOIL TYPE AND AVERAGE ANNUAL RAINFALL.
3. AT SLOPE LENGTHS GREATER THAN 300 FEET OR WHERE DRAINAGE OVER LARGE AREAS IS DIRECTED ONTO BLANKETS, STAPLE PATTERN "C" SHOULD BE UTILIZED.
4. CHANNEL LININGS REQUIRE A 2' (MIN.) OVERLAP AT LONGITUDINAL JOINTS AND SIDE SLOPES REQUIRE A 6" (MIN.) OVERLAP. WHERE OVERLAPS OCCUR, THE UPSTREAM BLANKET SHALL OVERLAP THE DOWNSTREAM.
5. IF OTHER THAN NORTH AMERICAN GREEN EROSION CONTROL BLANKETS ARE INSTALLED FOLLOW THE INSTALLATION DIRECTIONS RECOMMENDED BY THAT MANUFACTURER.

12 EROSION CONTROL BLANKET STAPLE PATTERN

N.T.S.

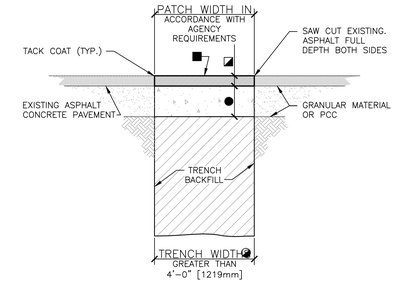


- ◕ FOR TRENCH WIDTHS EXCEEDING 4' [1219mm] REFER TO VA STANDARD DETAIL 32 12 16-02 "TYPE 2 UTILITY TRENCH PATCH". FOR TRENCH WHERE PORTLAND CEMENT CONCRETE (PCC) PAVEMENT EXISTS, REFER TO 32 12 16-03 "TYPE 3 UTILITY TRENCH PATCH".
- ◪ 2" [50mm] MINIMUM OR THICKNESS OF EXISTING PAVEMENT WHICHEVER IS GREATER.
- ■ BITUMINOUS SURFACE TREATMENT (CHIPSEAL) REQUIRED ONLY FOR LONGITUDINAL TRENCHES WITH WIDTHS GREATER THAN 6' [1829mm].
- ● 4" [100mm] MINIMUM ABC OR THICKNESS OF EXISTING GRANULAR BASE COURSE MATERIALS (E.G. ABC & SELECT MATERIAL) WHICHEVER IS GREATER.

REFER TO VA STANDARD DETAIL 32 12 16-04 "UTILITY TRENCH PAVEMENT PATCH NOTES" FOR ADDITIONAL INFORMATION.

13 TYPE 1 UTILITY TRENCH PATCH

NTS



- ◕ FOR TRENCH WIDTHS 4' [1219mm] OR LESS REFER TO VA STANDARD DETAIL 32 12 16-01 "TYPE 1 UTILITY TRENCH PATCH". FOR TRENCH WHERE PORTLAND CEMENT CONCRETE (PCC) PAVEMENT EXISTS, REFER TO 32 12 16-03 "TYPE 3 UTILITY TRENCH PATCH".
- ◪ 2" [50mm] MINIMUM OR THICKNESS OF EXISTING PAVEMENT WHICHEVER IS GREATER.
- ■ BITUMINOUS SURFACE TREATMENT (CHIPSEAL) REQUIRED ONLY FOR LONGITUDINAL TRENCHES WITH WIDTHS GREATER THAN 6' [1829mm].
- ● 4" [100mm] MINIMUM ABC OR THICKNESS OF EXISTING GRANULAR BASE COURSE MATERIALS (E.G. ABC & SELECT MATERIAL) WHICHEVER IS GREATER.
  PORTLAND CEMENT CONCRETE (PCC) THICKNESS EQUAL TO EXISTING.

REFER TO VA STANDARD DETAIL 32 12 16-04 "UTILITY TRENCH PAVEMENT PATCH NOTES" FOR ADDITIONAL INFORMATION.

14 TYPE 2 UTILITY TRENCH PATCH

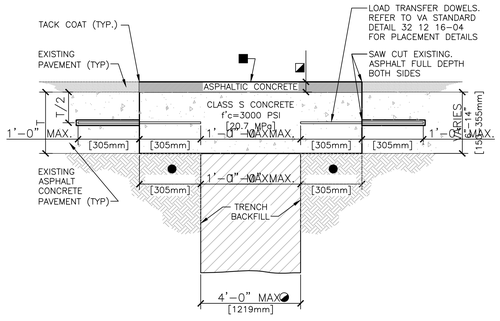
NTS

GENERAL NOTES

1. MATERIAL AND COMPACTION REQUIREMENTS FOR PIPE BEDDING/SHADING SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS FOR THE APPLICABLE UTILITY PIPE.
2. TRENCH BACKFILL SHALL COMMENCE 1 FOOT [305mm] ABOVE THE TOP OF PIPE AND SHALL BE PER SECTION XXX.
3. BACKFILL COMPACTION REQUIREMENTS SHALL BE PER SECTION XXX.
4. THE 1 FOOT [305mm] TRENCH "SHOULDER" AREAS SHALL BE DELETED FOR TYPE 2 TRENCHES.
5. ABC SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION XXX.
6. PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION XXX.
7. ASPHALTIC TACK MATERIAL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION XXX.
8. ASPHALTIC CONCRETE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION XXX FOR THE TYPE SPECIFIED.
9. BITUMINOUS SURFACE TREATMENT (CHIP SEAL) SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION XXX FOR THE TYPE SPECIFIED.
10. LOAD TRANSFER DOWELS FOR JOINTS TRANSVERSE TO THE ROADWAY CENTERLINE SHALL BE SMOOTH STEEL DOWELS IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION XXX. DOWELS SHALL BE SIZED AND SPACED AS FOLLOWS:

PCCP THICKNESS	DOWEL SIZE	DOWEL LENGTH	DOWEL SPACING
6" [150mm]	#5 [No. 16]	12" [305mm]	18" [455mm]
7" [180mm]	#6 [No. 19]	15" [380mm]	15" [380mm]
8" [180mm]	#8 [No. 19]	15" [380mm]	12" [305mm]
10" [180mm]	#10 [No. 19]	15" [380mm]	12" [305mm]

11. DEFORMED TIE BARS SHALL BE USED IN TRENCH PATCHES LONGITUDINAL TO THE ROADWAY CENTERLINE WHEN THE TRENCH LENGTH IS GREATER THAN 50 FEET [15240mm]. TIE BARS SHALL BE 24 INCHES [610mm] LONG. DEFORMED #4 [No. 13] BARS FOR PCCP LESS THAN 8 INCHES [205mm] THICK AND #5 [No. 16] BARS IF 8 INCHES [205mm] THICK OR MORE. TIE BARS SHALL BE PLACED 30 INCHES [760mm] CENTER-TO-CENTER.
12. HOLES SHALL BE DRILLED 1 FOOT [305mm] INTO THE EXISTING SLAB FOR TIE BARS AND 7 INCHES [180mm] FOR DOWELS. HOLES SHALL BE OF A DIAMETER SUFFICIENT TO ACCOMMODATE THE TIE BAR ANCHORAGE OR DOWEL CAP. TIE BARS SHALL BE ANCHORED WITH AN APPROVED HIGH VISCOSITY EPOXY.
13. IF THE CONCRETE SLAB REMAINING NEXT TO A LONGITUDINAL OR TRANSVERSE JOINT IS LESS THAN 6 FEET [1829mm] AT ITS NARROWEST WIDTH, REMOVE AND REPLACE THE EXISTING CONCRETE TO THE JOINT.

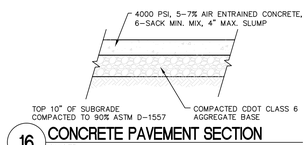


- ◕ FOR TRENCH WIDTHS EXCEEDING 4' [1219mm] DELETE LOAD TRANSFER DOWELS.
- ◪ 2" [50mm] MINIMUM OR THICKNESS OF EXISTING PAVEMENT WHICHEVER IS GREATER.
- ■ BITUMINOUS SURFACE TREATMENT (CHIPSEAL) REQUIRED ONLY FOR LONGITUDINAL TRENCHES WITH WIDTHS GREATER THAN 6' [1829mm].
- ● REFER TO NOTE 13 ON VA STANDARD DETAIL 32 12 16-04 "UTILITY TRENCH PAVEMENT PATCH NOTES".

REFER TO VA STANDARD DETAIL 32 12 16-04 "UTILITY TRENCH PAVEMENT PATCH NOTES" FOR ADDITIONAL INFORMATION.

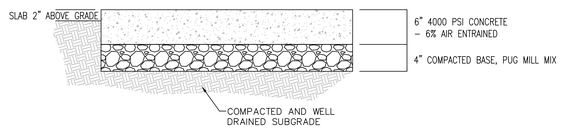
15 TYPE 3 UTILITY TRENCH PATCH

NTS



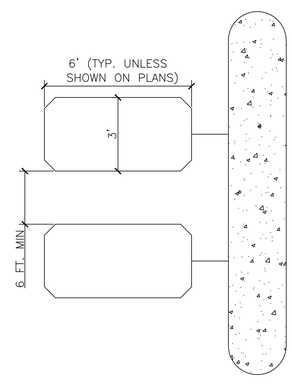
16 CONCRETE PAVEMENT SECTION

ON SITE

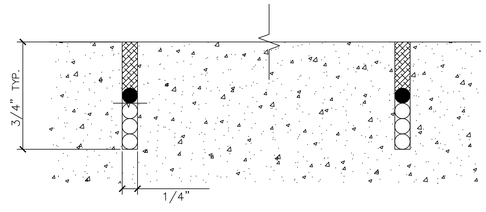


17 CONCRETE EQUIPMENT PAD

NTS

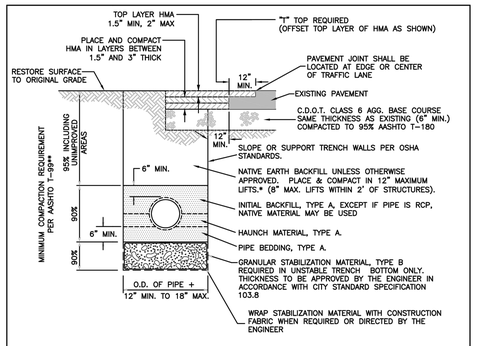


1.) TYPICAL CONFIGURATION. SEE PLANS FOR SPECIFIC LAYOUT (VARIES).
2.) IF REPLACING LOOP WIRE, REUSE EXISTING CONDUIT. IF INSTALLING IN NEW LOCATION, PROVIDE ½" PVC CONDUIT AS SHOWN IN DETAIL 10.



18 TRAFFIC LOOP SENSOR

NTS



SIEVE SIZE	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES		
	PIPE BEDDING, HAUNCH & INITIAL BACKFILL MATERIAL (CRUSHED ROCK, TYPE A)	GRANULAR STABILIZATION MATERIAL (SCREENED OR CRUSHED ROCK, TYPE B)	IMPORTED BACKFILL MATERIAL (USE ONLY WHERE SPECIFIED OR DIRECTED BY THE ENGINEER
12 INCH	---	---	100
2 INCH	---	100	---
1 INCH	100	---	---
NO 4	20 MAX	15 MAX	---
NO 200	---	---	20 MAX ***

* 24" COMPACTED BACKFILL REQUIRED OVER ALL PLASTIC PIPE PRIOR TO VEHICLE OR HEAVY EQUIPMENT LOADING.

** COMPACT PER AASHTO T-180 WHEN SPECIFIED, DIRECTED OR APPROVED BY THE ENGINEER.

*** PLASTIC INDEX (PI) SHALL NOT BE MORE THAN 7.

ALL BACKFILL MATERIAL SHALL BE UNIFORMLY ADJUSTED TO WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT PRIOR TO PLACEMENT AND COMPACTION.

TYPICAL TRENCH DETAIL

DEPARTMENT OF PUBLIC WORKS AND PLANNING
ENGINEERING DIVISION
CITY OF GRAND JUNCTION, COLORADO

GENERAL UTILITY DETAIL

APPROVED: DN
REVISED: JAN 2009
DRAWN: JAH

PAGE GU-03

N:\Cadd\CITY STANDARDS\STANDARD DRAWING DETAILS\2008 October Revisions\2008 General Utility Details.DWG, GU-03 (REV 1-2009), 3/2/2009 10:56:33 AM

Current Revision Description	Date
Revisions:	Date

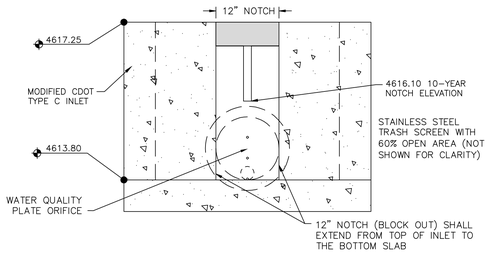
Grand Junction VA
Medical Center
2121 North Avenue
Grand Junction, CO 81501

APOGEE Consulting Group, PA
CooverClark
AMERICAN STRUCTUREPOINT INC.

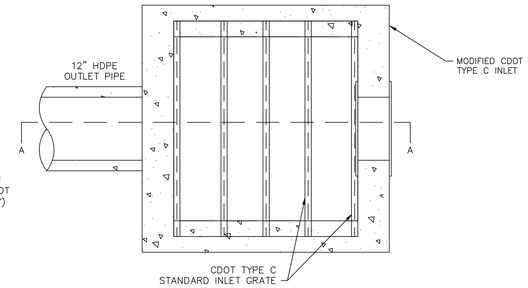
PROJECT LEADER/ARCHITECT:
GUIDON DESIGN
2453 N. DELAWARE ST. INDIANAPOLIS, IN. 46205
317.800.6388 WWW.GUIDONDESIGN.COM
SUSTAINABLE ARCHITECTURE + ENGINEERING

ADDENDUM #1 FOR CONSTRUCTION

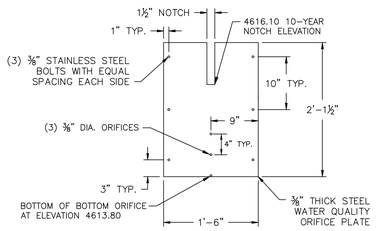
Drawing Title: DETAIL SHEET	Project Title: PARKING STRUCTURE	Project Number: 12.1042	OFFICE OF FACILITIES MANAGEMENT
		Building Number: Bldg-39	
Approved for Design Concept: John Bartman, John.Bartman@va.gov, 970-263-5016	Location: Grand Junction VA	Drawing Number: C-501	VA Project Number: 575-206
	Date: 03/10/14 · Checked by: SLP · Drawn by: MEC		Department of Veterans Affairs



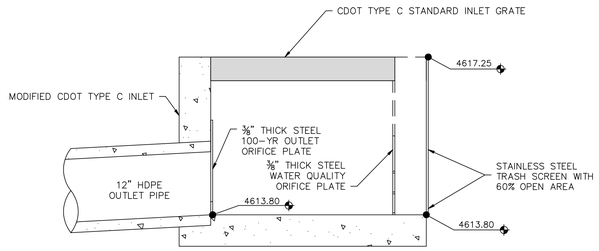
DETENTION POND OUTLET STRUCTURE ELEVATION



DETENTION POND OUTLET STRUCTURE PLAN



WATER QUALITY ORIFICE PLATE

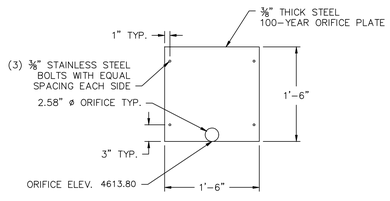


DETENTION POND OUTLET STRUCTURE PROFILE

(A-A)

NOTE:

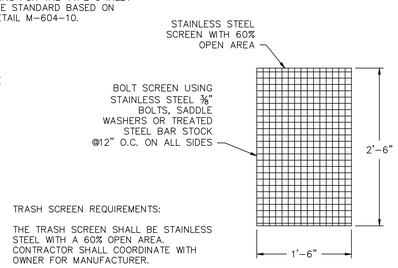
1. UNLESS OTHERWISE SHOWN, ALL DIMENSIONS FOR THE TYPE C INLET SHALL BE STANDARD BASED ON CDOT DETAIL M-604-10.



100-YEAR ORIFICE PLATE

TRASH SCREEN REQUIREMENTS:

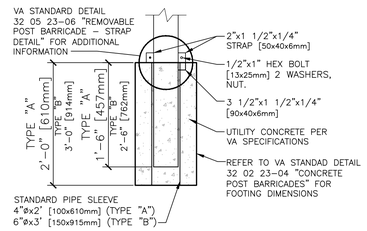
THE TRASH SCREEN SHALL BE STAINLESS STEEL WITH A 60% OPEN AREA. CONTRACTOR SHALL COORDINATE WITH OWNER FOR MANUFACTURER.



TRASH SCREEN

19 DETENTION AREA OUTLET DETAILS

NTS

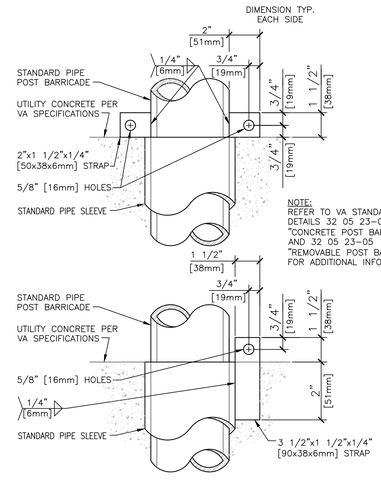


NOTES:

1. REMOVABLE POST BARRICADE SHALL NOT BE CONCRETE FILLED.
2. HAND TIGHTEN BOLT & NUT USING WASHERS EACH SIDE OF STRAPS. CUT BOLT APPROX. 1/8" [6mm] FROM FACE OF NUT & PEEN EXPOSED END OF BOLT.
3. REFER TO VA STANDAD DETAIL 32 02 23-04 "CONCRETE POST BARRICADES" FOR POST DETAILS.

20 REMOVABLE POST BARRICADE

NTS



NOTE:
REFER TO VA STANDARD DETAILS 32 05 23-04 "CONCRETE POST BARRICADES" AND 32 05 23-05 "REMOVABLE POST BARRACADE" FOR ADDITIONAL INFORMATION.

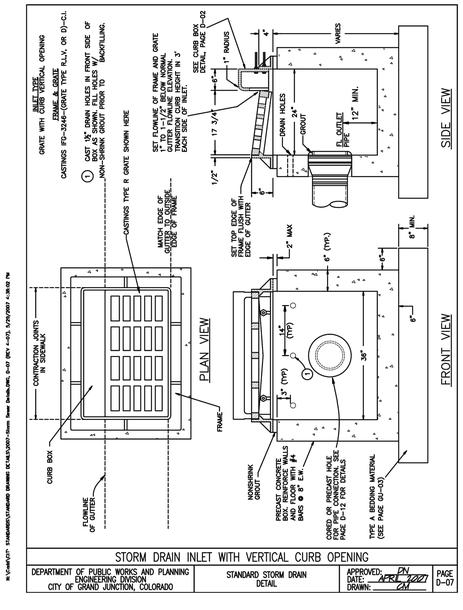
21 REMOVABLE POST BARRICADE - STRAP DETAIL

NTS

1. BACKFILL AROUND MANHOLES, INLET BOXES, AND OTHER STRUCTURES SHALL BE PLACED IN 8" LIFTS AND COMPACTED TO 95% AASHTO T-180.
2. ALL PORTLAND CEMENT CONCRETE SHALL BE COLORADO DEPARTMENT OF TRANSPORTATION CLASS "B". (SECTION 601.02).
3. ANY EXISTING PAVEMENT NOT DESIGNATED FOR REMOVAL WHICH IS DAMAGED BY CONSTRUCTION SHALL BE REPLACED IN-KIND BY CONTRACTOR.
4. ALL CONCRETE WORK WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A LICENSED CITY CONTRACTOR.
5. SEE APPROVED CONSTRUCTION DRAWINGS FOR ALL LOCATIONS, GRADES AND ELEVATIONS OF ALL DRAINAGE IMPROVEMENTS.
6. MANHOLE RING AND COVER AND INLET GRATE AND FRAME SHALL BE ADJUSTED TO FINISHED GRADE USING NON-SHRINK GROUT AND PRE-CAST CONCRETE GRADE RINGS OR WITH THE "WHIRLY GIG" METHOD. GROUT THICKNESS SHALL NOT EXCEED 2 INCHES. GROUT SHALL BE PLACED UNDER THE CAST IRON RING OR FRAME. NO GROUT SHALL BE PLACED BETWEEN THE CONCRETE GRADE RINGS. STEEL GRADE ADJUSTMENT RINGS MAY BE USED FOR ADJUSTMENT OF MANHOLE COVERS ONLY WHEN STREETS ARE OVERLAID.
7. SEE THE CITY OF GRAND JUNCTION STORMWATER MANAGEMENT MANUAL FOR STORMWATER DESIGN CRITERIA.
8. ALL WORK SHALL BE IN ACCORDANCE WITH APPROVED PLANS, STANDARD STORM DRAIN DETAILS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF UNDERGROUND UTILITIES.
9. STORM DRAIN INLET BOXES MAY BE MADE FROM STACKABLE PRECAST BOX SECTIONS WITH TONGUE AND GROOVE JOINTS AND FLEXIBLE SEALANT BETWEEN SECTIONS. THE TOP SECTION OF THE INLET BOX SHALL HAVE A GROOVE-LESS FLAT SURFACE TO SUPPORT THE INLET FRAME AND GRATE.

GENERAL NOTES

DEPARTMENT OF PUBLIC WORKS AND PLANNING ENGINEERING DIVISION CITY OF GRAND JUNCTION, COLORADO	STANDARD STORM DRAIN DETAIL	APPROVED: PN REV: DRAWN: DEW	PAGE D-01



STORM DRAIN INLET WITH VERTICAL CURB OPENING

DEPARTMENT OF PUBLIC WORKS AND PLANNING ENGINEERING DIVISION CITY OF GRAND JUNCTION, COLORADO	STANDARD STORM DRAIN DETAIL	APPROVED: PN DATE: APRIL 2007 DRAWN: DM	PAGE D-07

Current Revision Description	Date
Revisions:	Date

Grand Junction VA
Medical Center
2121 North Avenue
Grand Junction, CO 81501

APOGEE Consulting Group, PA

CooverClark

AMERICAN STRUCTUREPOINT INC.

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SUSTAINABLE ARCHITECTURE + ENGINEERING

ADDENDUM #1 FOR CONSTRUCTION

Drawing Title	Project Title	Project Number / Building Number	OFFICE OF FACILITIES MANAGEMENT
DETAIL SHEET	PARKING STRUCTURE	12.1042 / Bldg-39	
Approved for Design Concept: John Bartman, John.Bartman@va.gov, 970-263-5016	Location: Grand Junction VA	Drawing Number: C-502	VA Project Number: 575-206
	Date: 03/10/14 · Checked By: SLP · Drawn By: MEC		Department of Veterans Affairs