

# GRADING AND DRAINAGE PLAN

POTHOLE #	FOUND / NOT FOUND	ELEVATION AT TOP OF UTILITY OR STRUCTURE
1	FOUND	2.67' TO CONCRETE ENCASEMENT (EX.G.=97.35)
2	FOUND	5.4'± TO TOP OF STEAM TUNNEL (EX.G.=3697.78)
3	FOUND	TOP OF CONC 4.8'± DEEP TOP OF PIPE 3.2'± DEEP (EX.G.=3698.91)
20	FOUND	TOP OF STEAM TUNNEL 3.8'± DEEP (EX.G.=3696.40)
21	FOUND	TOP OF PIPE 5.1'± DEEP (EX.G.=3696.37)

## CONSTRUCTION NOTES

### PAVING NOTES:

- EXISTING PAVEMENT TO REMAIN
- EXISTING 6" CURB AND GUTTER TO REMAIN
- INSTALL 6" CONCRETE CURB PER DETAIL ON SHEET 1.6
- EXISTING TREE TO REMAIN
- REMOVE EXISTING CONCRETE
- EXISTING SIDEWALK TO REMAIN
- REMOVE EXISTING SIDEWALK
- EXISTING STRIPING TO REMAIN
- RESTRIP AS ADA PARKING PER ARCHITECT PLAN
- INSTALL CURB AND GUTTER PER DETAIL ON SHEET 1.5
- REMOVE EXISTING TREE
- SOIL BORE LOCATION
- REMOVE AND REPLACE SIDEWALK TO ADA STANDARDS MATCHING EXISTING BACK OF CURB
- NEW E.R. BUILDING FF=3698.37
- REMOVE EXISTING STRUCTURE
- INSTALL NEW DRIVEWAY
- REMOVE EXISTING CURB
- INSTALL NEW CATCH BASIN PER DETAIL ON SHEET C1.5
- REMOVE AND RELOCATE VENT MANHOLE TO STEAM TUNNEL
- REMOVE, REGRADE AND REPLACE EXISTING PAVEMENT
- REMOVE AND REPLACE EXISTING SIDEWALK PER ADA AND VA STANDARDS
- INSTALL UNIFORM SIDEWALK AND CURB PER DETAIL ON SHEET 1.5
- RELOCATE EXISTING MONUMENT SIGN
- INSTALL NEW HEAVY DUTY PAVEMENT WITH 3" AC ON 8" ABC PER GEOTECH SPEC-003132
- INSTALL NEW LIGHT DUTY PAVEMENT WITH 2" AC ON 6" ABC PER GEOTECH SPEC-003132
- INSTALL NEW HEAVY DUTY CONCRETE WITH 5" CONCRETE ON 6" ABC PER GEOTECH SPEC-003132
- INSTALL NEW LIGHT DUTY CONCRETE WITH 4" CONCRETE ON 6" ABC PER GEOTECH SPEC-003132
- INSTALL TYPE-1 "PERPENDICULAR" ACCESS RAMP PER DETAIL ON SHEET 1.5
- 26"± HIGH RET. WALL PER ARCHITECT/STRUCTURAL PLANS
- ADJUST, LOWER MANHOLE COVERS DOWN TO FINISH GRADE, SEE M.E.P. PLANS. REPLACE COVER FRAME WITH SHORTER FRAME AND COVER IF NECESSARY
- SCREEN WALL PER ARCHITECT PLANS
- INSTALL RETAINING WALL PER STRUCTURAL PLANS
- ADJUST SEWER CLEAN OUT TO GRADE AND INSTALL CLASS "A" CONCRETE COLLAR PER STD DTL ON SHEET C1.5
- INSTALL R.P.M. MATS, 2' MIN WIDTH PER VA STD DTL SD320523-20
- INSTALL 4" CONCRETE FILLED 6" STEEL BOLLARD, 4' TALL PER STD DTL ON SHEET C1.5
- REMOVE EXISTING LIGHT POLE AND BASE
- EXISTING CATCH BASIN TO REMAIN
- REMOVE AND CAP EXISTING STORM DRAIN PIPE 5' MIN FROM WALL (WATER TIGHT SEAL)
- NEW GATE PER ARCHITECT PLAN
- NEW ADA SIGN POST DETAIL PER VA STD DTL SD320523-19
- ADJUST VALVE COVER TO GRADE & 24" DIA. CONCRETE COLLAR

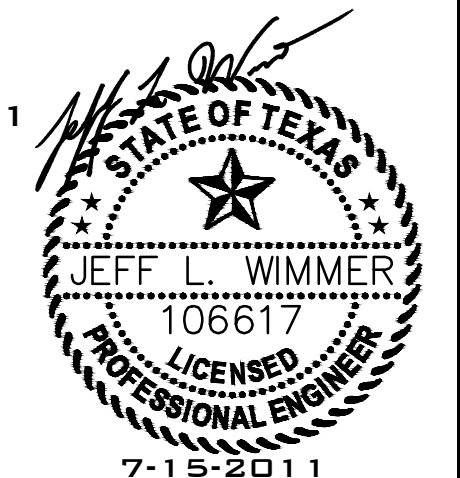
### STORM DRAIN NOTES:

- REMOVE EXISTING CATCH BASIN
- NEW 12" H.D.P.E. STORM DRAIN PIPE
- CUT AND CAP EXISTING STORM DRAIN PIPE
- REMOVE SLOTTED DRAIN AND CAP PIPE
- CUT AND REMOVE EXISTING STORM DRAIN PIPE FROM CATCH BASIN TO NEW STORM DRAIN LINE
- CORE DRILL IN EXISTING MANHOLE, WATER TIGHT SEAL. CONSTRUCT NEW MANHOLE IF MANHOLE IS NOT FOUND.
- REMOVE EXISTING STORM DRAIN PIPE
- REMOVE EXISTING STORM DRAIN PIPE & WATER TIGHT SEAL PIPE OPENING OF CATCH BASIN WITH C.I.P. CONCRETE & REBAR DRILLED AND EPOXIED INTO WALLS. THIS OPENING ONLY.

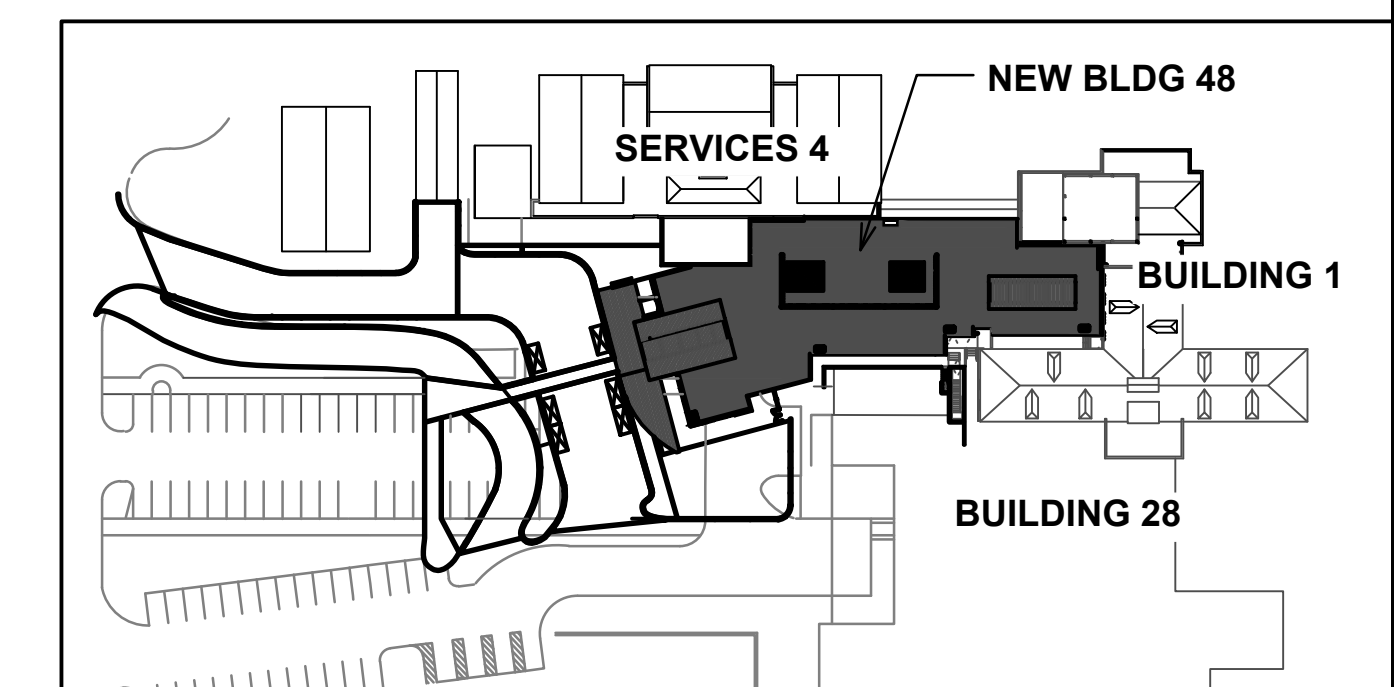
**WARNING:**  
EXISTING GAS, OXYGEN, ELECTRICAL, TELECOM, FIRE AND OTHER UTILITIES EXIST WITHIN CONSTRUCTION AREA. CONTRACTOR TO USE EXTREME CAUTION AND UTILIZE A PRIVATE UTILITY CONTRACTOR TO LOCATE ALL UTILITIES PRIOR TO ALL CONSTRUCTION ACTIVITIES.

B.E.L. JOB NO. 10-111

**RODERICK ENGINEERING L.L.C.**  
CIVIL & STRUCTURAL ENGINEERS  
6859 E. REMBRANDT AVE. SUITE 124  
MESA, AZ 85212  
PH 480-926-6333 FAX 480-926-3999

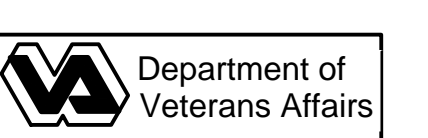


6350 N. CAMINO DE LA TIERRA SUITE 140  
TUCSON, AZ 85741  
PH 520-887-9416 FAX 520-887-9466



KEY PLAN

VA-258-P-0196



ARCHITECT OF RECORD:

SBBL Architecture + Planning  
1101 North Alvarado Way # 105 Tucson Arizona 85711  
T: 520.620.0255 F: 520.620.0355 E: info@sbbl.biz



**EMERGENCY DEPARTMENT**  
AMARILLO VA HEALTH CARE SYSTEM  
AMARILLO, TEXAS

Approved: VA Area Proj. Mgr.

V.A. PROJECT NO: VA258-P-0196

SBBL PROJECT NO: 1010

DRAWN BY: MPZ

CHECKED BY: JLW

DATE: 07/15/2011

Δ	Date	Revision

Approved: Med. Ctr. Director

Approved: Asst. Admin Engineering Service

Approved: Asst. VA Medical Director

Approved: Chief of Facilities

Approved: Chief of Engineering

Approved: Chief of Projects

CIVIL PLAN  
GRADING

48-GS-1.2