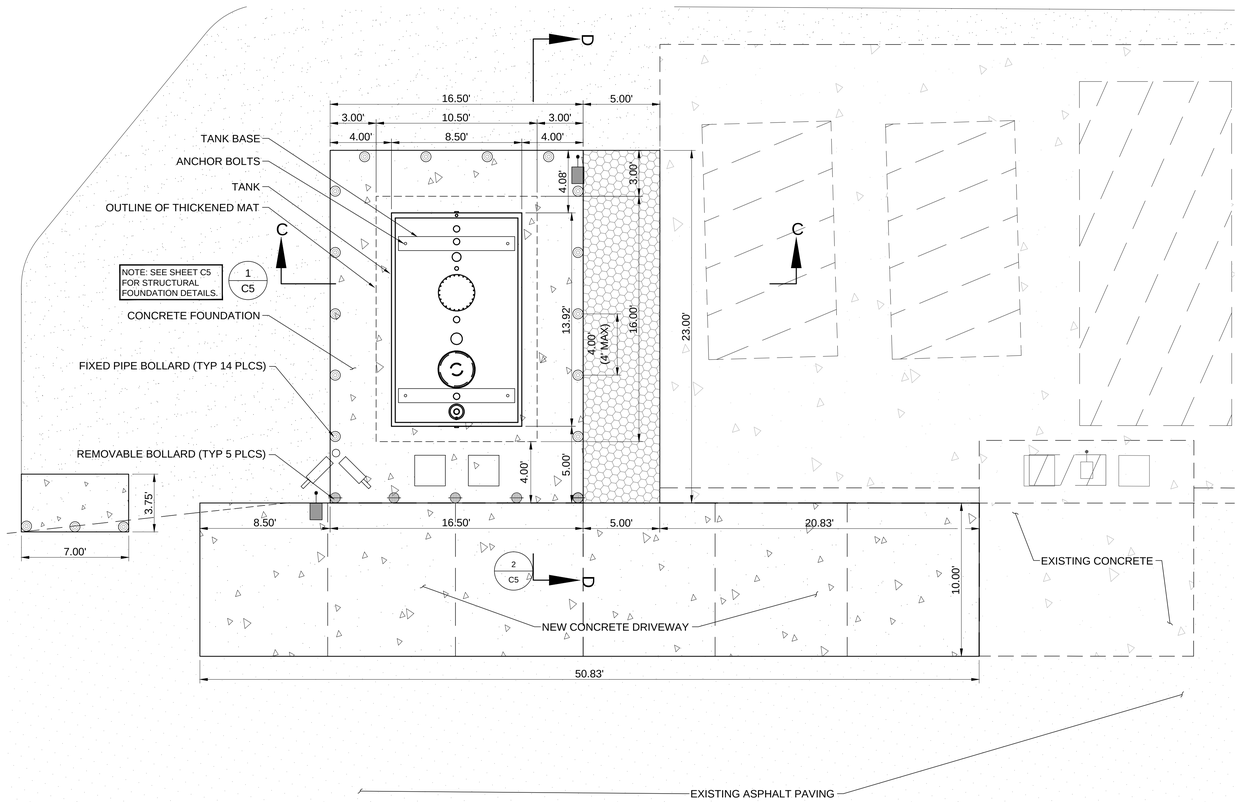
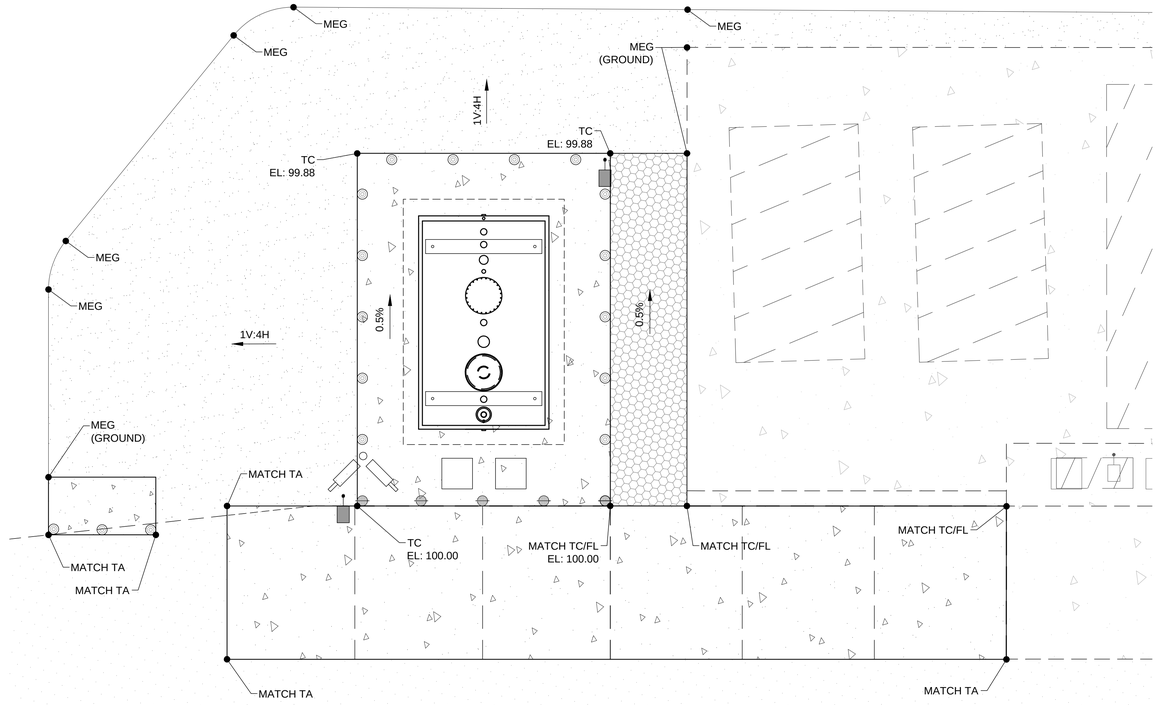




1 C3 FUEL TANK FOUNDATION PLAN

1" = 4'

NORTH REF

0 2' 4' 8'

COMPACTION NOTE: COMPACT EACH LAYER (SUBGRADE, BASE & SUBBASE) TO NOT LESS THAN 95 PERCENT OF THE MAXIMUM DENSITY DETERMINED IN ACCORDANCE WITH THE FOLLOWING TEST METHOD AASHTO T99 METHOD A. LANDSCAPE AREAS TO NOT LESS THAN 90 PERCENT OF THE MAXIMUM DENSITY DETERMINED IN ACCORDANCE WITH THE FOLLOWING TEST METHOD AASHTO T99 METHOD A.

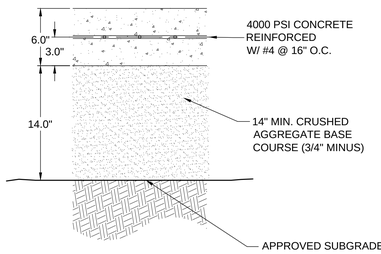
NOTE: DATUM IS ASSUMED.
BASE ELEVATION = 100.00

5 C3 GRADING PLAN

1" = 4'

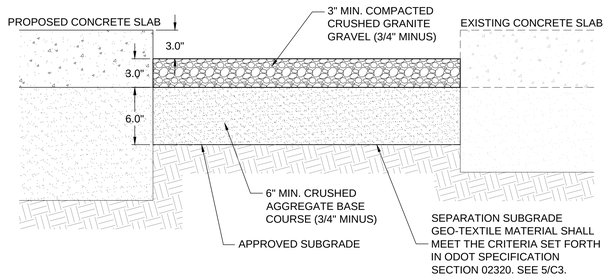
NORTH REF

0 2' 4' 8'



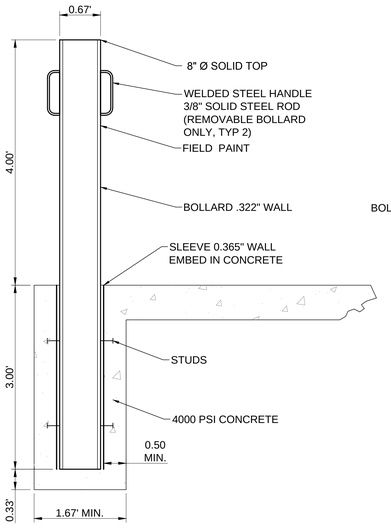
2 C3 CONCRETE PAVING

NTS



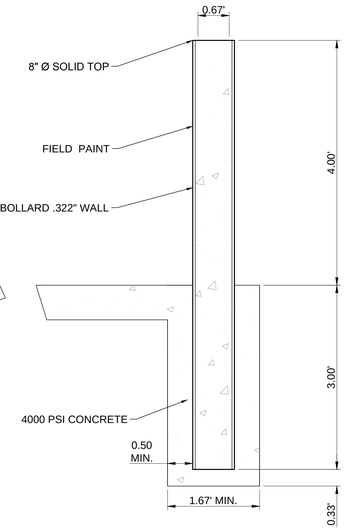
2A C3 COMPACTED GRAVEL PAD

NTS



3 C3 REMOVABLE BOLLARD

NTS



4 C3 FIXED PIPE BOLLARD

NTS

ODOT Table 02320-1 Geotextile Property Values

Geotextile Property	Test Method	Units	Separation Subgrade Geotextile
Grab tensile strength (minimum) Machine Direction Cross Machine Direction	ASTM D 4632	lb	180 180
Grab Elongation (minimum)	ASTM D 4632	%	-
Burst Strength, Diaphragm method (minimum)	ASTM D 3786	psi	290
Puncture strength (minimum)	ASTM D 4833	lb	80
Apparent opening size (AOS) (maximum), U.S. Standard Sieve	ASTM D 4751 (CW-02215 Corps of Engineers)	in	No. 30
Permittivity (minimum)	ASTM D 4491	s^{-1}	0.01
Ultraviolet stability (Retained Strength) (minimum)	ASTM D 4355 At 500 hours	%	-
Asphalt retention (minimum)	ODOT TM 817	oz/ft^2	-
Melting point (minimum)	ASTM D 276	°F	-
Silt film or slit tape fabrics are not acceptable. As measured according to ASTM D 4632.			

5 C3 SUBGRADE GEOTEXTILE PROPERTIES

LEGEND

- PROPOSED LANDSCAPE RESTORATION
- PROPOSED GRAVEL PAD
- PROPOSED CONCRETE
- NEW SITE LIGHTING
- NEW REMOVABLE BOLLARD
- NEW STANDARD BOLLARD
- NEW SECURITY CAMERA
- 0.5% PROPOSED SLOPE
- MEG MATCH EXISTING GRADE
- TC TOP OF CONCRETE ELEVATION
- TA TOP OF ASPHALT ELEVATION
- FL FLOW LINE ELEVATION
- BP NEW BURIED POWER
- UG NEW BURIED DATA/COMM/VIDEO
- bp EXISTING BURIED POWER
- bt EXISTING BURIED TELEPHONE
- ng EXISTING NATURAL GAS
- ss EXISTING SANITARY SEWER
- sd EXISTING STORMED DRAIN
- wm EXISTING WATER MAIN
- PROPOSED EXPANSION JOINT
- PROPOSED CONSTRUCTION JOINT
- PROPOSED CONTRACTION JOINT

Revisions:	Date

CONSULTANTS:

REGISTERED PROFESSIONAL ENGINEER 88148PE 21 OREGON 10/24/13 RENEWAL DATE: JUNE 30, 2015 TODD SWINEHART
EXPIRATION DATE: 06/30/14

ARCHITECT/ENGINEERS:

CTA®
121 SOUTH MAIN STREET
LIVINGSTON, MONTANA
P:406-222-0104/F:406-222-1007
WWW.CTAGROUP.COM

Drawing Title: FUEL TANK FOUNDATION PLAN & GRADING PLAN

Approved: Project Director
APPROVED-BY-NAME
APPROVED-BY-TITLERANK
STATION-MNGT

Project Title: ROSEBURG VA
E85 FUELING STATION

Location: ROSEBURG MEDICAL CENTER, ROSEBURG, OREGON

Date: 10/24/13 | Checked: TRS | Drawn: RDI

Project Number: 653-327, VA701-13-J-0087 (Rb)

Building Number: -

Drawing Number: C3

Dwg. 4 of 8

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08-6231

K:\RVISN20_E85\Civil\RWC3.dwg 10-23-13 02:11:05 PM mikelj

one eighth inch = one foot | one quarter inch = one foot | three eighths inch = one foot | one half inch = one foot | three quarters inch = one foot | one inch = one foot | one and one half inches = one foot | three inches = one foot