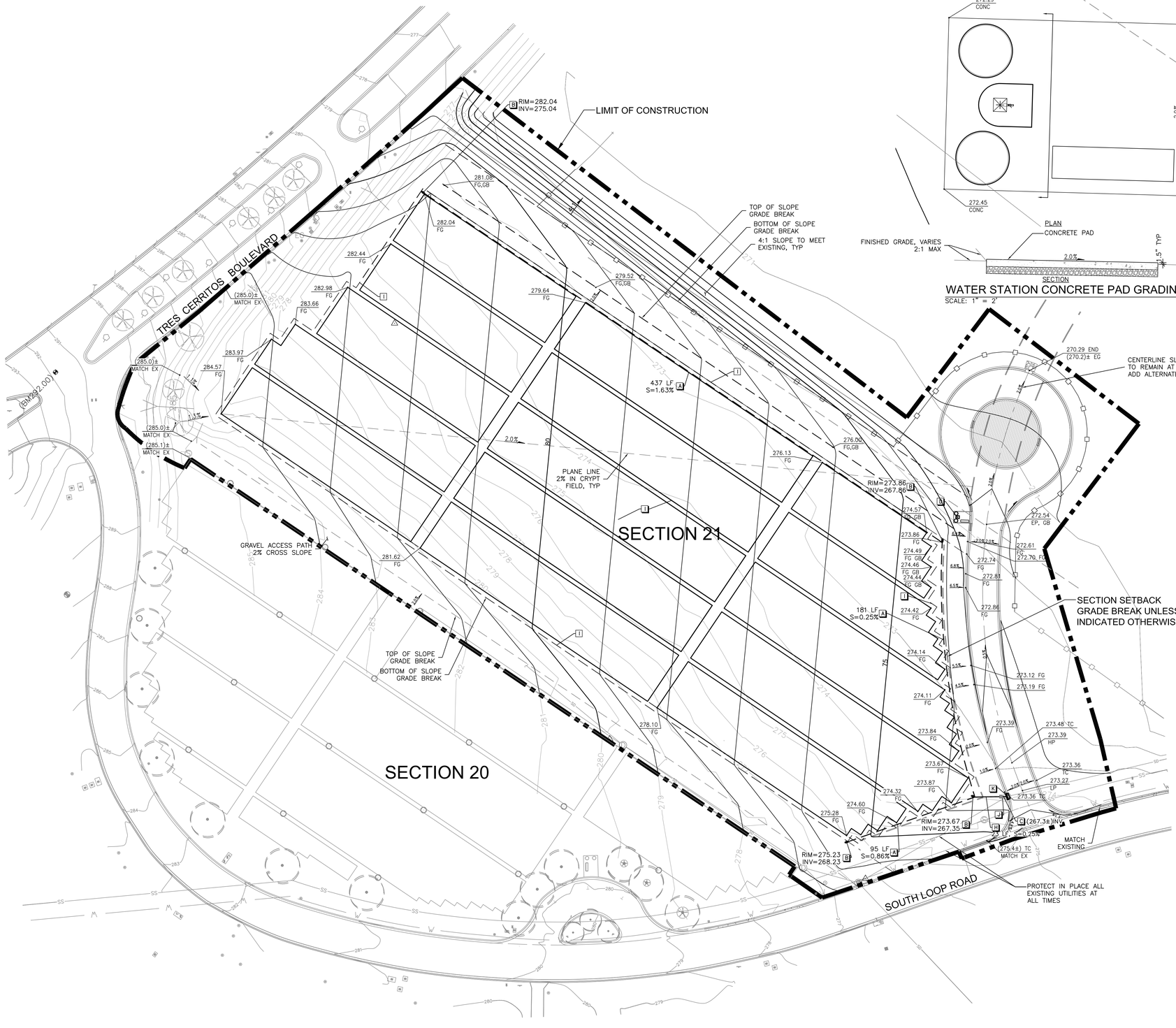

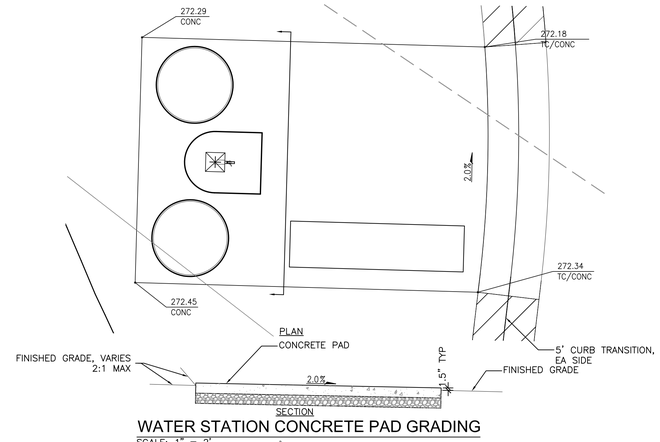

WATER STATION CONCRETE PAD GRADING

SCALE: 1" = 2'

SITE LEGEND

KEY	SITE ELEMENT	DETAIL REFERENCE
A	4" Perforated HDPE Drain Pipe	B1/501 F1/501
B	Drainage Clean Out	C1/501
C	Core Connection to Existing Manhole Ex Manhole Rim=(274.2)±, Inv=(267.3)±	C3/501
D	3/4" Irrigation Connection to Water Station Refer to Irrigation Plans.	B1/501 B3/501
E	Not used	
F	Not used	
G	Not used	
H	6" HDPE	
I	Overexcavate to 3' below crypt subgrade and 3' laterally from crypt footprint; scarify 12", moisture condition to 3–5% above optimum, and recompact; backfill and compact to 95% per geotechnical report recommendations	
J	24"W trench plug, full width of trench, to top of intermediate backfill layer. Plug of clay or concrete per geotechnical report recommendations.	
K	Replace existing storm drain manhole lid with curb inlet frame and grate; install square-to-round adapter and connect to existing manhole base.	C5/501

LEGEND

- LIMIT OF CONSTRUCTION
- CLEANOUT
- PERFORATED CRYPT DRAIN
- 80 — CONTOUR (MAJOR CONTOUR IF NUMBERED)

GENERAL NOTES

1. ADJUST ALL MANHOLE RIMS AND LIDS, VALVE BOXES, ELECTRICAL BOXES, VAULTS, AND APPURTENANCES WITHIN LIMIT OF CONSTRUCTION TO FINISHED GRADE.
2. MATCH TO EXISTING GRADE AT LIMIT OF CONSTRUCTION WITH SMOOTH TRANSITION.
3. CONTOURS SHOWN ARE A GRAPHICAL DEPICTION OF PROPOSED GRADING BASED ON COMPUTER-GENERATED SURFACE MODELING AND ARE FOR REFERENCE ONLY.
4. CONTRACTOR SHALL CONTACT THE COR REGARDING ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND PLANS PRIOR TO PROCEEDING WITH WORK.
5. TOPOGRAPHIC SURVEY AND EXISTING CONDITIONS INFORMATION IS BASED ON FIELD SURVEY BY BLAIR, CHURCH & FLYNN DATED 11/05/2014.
6. ALL GRADING WORK SHALL COMPLY WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL INVESTIGATION AND REPORT BY STEVENS, FERRONE, & BAILEY DATED 11/05/2014.
7. ALL UTILITIES TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATION.
8. REFER TO IRRIGATION PLAN, I-2, FOR IRRIGATION MAINLINE CONNECTION TO EXISTING WATER ALONG SOUTH LOOP ROAD.

EARTHWORK SUMMARY

ASSUMPTIONS:

STRIPPING: 0.1' OFFHAUL
SHRINKAGE: NO
PAVING SECTION: 3"AC / 14" AB

REGION	RAW CUT CY	RAW FILL CY	
STRIPPING	694	–	
EARTHWORK	242	21,501	
CRYPT SECTION	19,994	–	
TOPSOIL, GRAVELS	1,948	–	
ROADWAY	680	–	
TOTAL	22,278	21,501	777 NET CUT

THE EARTHWORK SUMMARY IS PROVIDED AS A COURTESY AND CONVENIENCE TO THE GOVERNMENT AND IS FOR REFERENCE ONLY. THE QUANTITIES SHOWN ARE APPROXIMATE CALCULATED QUANTITIES BASED ON THE DIFFERENCE BETWEEN EXISTING GROUND ELEVATIONS AND FINISH ROUGH GRADE ELEVATIONS. THE CALCULATION MAKES NO PROVISIONS FOR STRIPPING, SUB-EXCAVATION, SHRINK/SWELL POTENTIAL OF THE SOILS, ETC UNLESS SPECIFICALLY LISTED. FOR THIS REASON AND BECAUSE OF VARIABLES THAT OCCUR IN THE FIELD DUE TO CONTRACTOR'S MEANS AND METHODS, THE VOLUME OF DIRT MOVED IN THE FIELD WILL IN ALL LIKELIHOOD DEVIATE TO SOME EXTENT FROM THE CALCULATED VOLUME. THE EARTHWORK SUMMARY DOES NOT RELIEVE THE CONTRACTOR OF HIS/HER RESPONSIBILITY TO DETERMINE FOR HIM/HERSELF THE QUANTITY OF EARTH MOVING THAT WILL BE REQUIRED TO ROUGH GRADE THE PROJECT AND SHALL NOT CONSTITUTE THE BASIS FOR A CHANGE ORDER TO THE GOVERNMENT. ALL GRADING SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL STUDY.

NORTH

GRAPHIC SCALE: 1" = 30'

CONSTRUCTION DOCUMENTS

Revisions: | Date

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Drawing Title: GRADING & UTILITY PLAN

Approved: Project Director

Project Title: SAN JOAQUIN VALLEY NATIONAL CEMETERY PRE-PLACED CRYPTS IN SECTION 21

Project Number: 913CM3012

Building Number

Location: SAN JOAQUIN VALLEY NATIONAL CEMETERY SANTA NELLA, CALIFORNIA

Date: 09/28/2015 | Checked: MIS | Drawn: RJM

Drawing Number: L-300

Dwg. 13 of 25

NATIONAL CEMETERY ADMINISTRATION DESIGN AND CONSTRUCTION SERVICE

Department of Veterans Affairs

VA FORM 08-6231