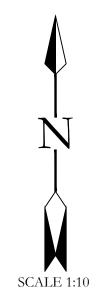
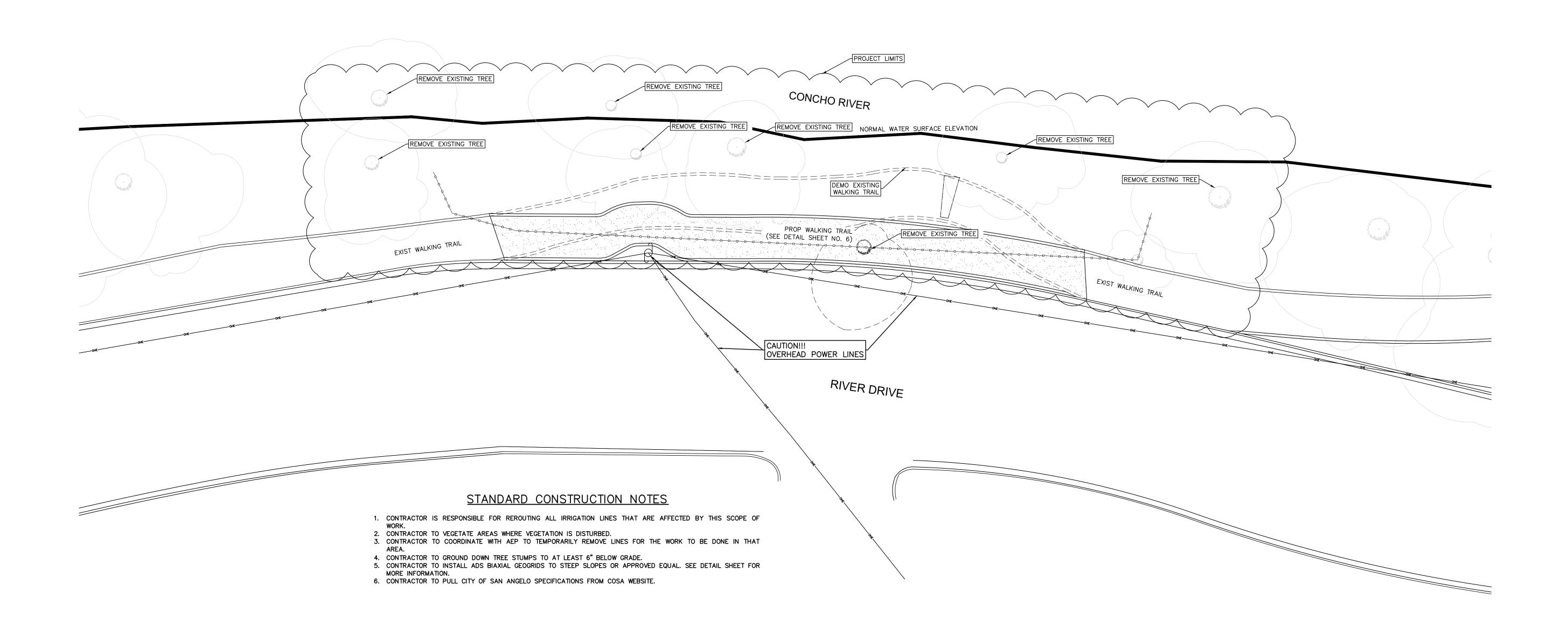
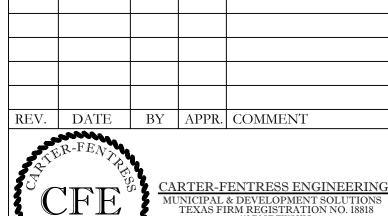
CONSTRUCTION DRAWINGS FOR CITY OF SAN ANGELO

CONCHO RIVER BANK STABILIZATION OCTOBER 2019









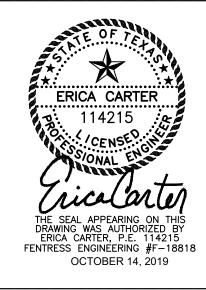
CITY OF SAN ANGELO 52 W. COLLEGE AVE. SAN ANGELO, TEXAS 76903 (325) 657-4239

MR. ALFONSO TORRES

SITE/DEMO PLAN LOCATION NO. 1

EMERGENCY CONCHO RIVER BANK STABILIZATION

CITY OF SAN ANGELO TOM GREEN COUNTY, TEXAS



ENGINEER: ERICA CARTER, P.E.

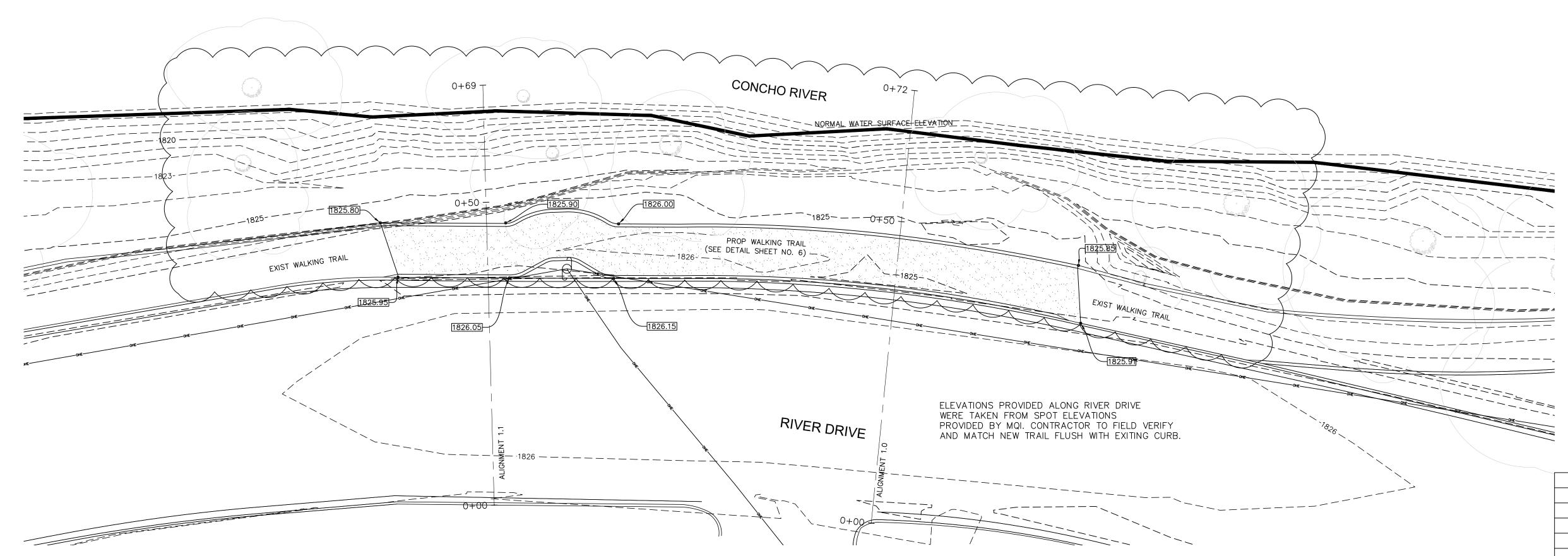
ENG. EMAIL: ECARTER@FENTRESSENG.COM

DESIGNER: EBC

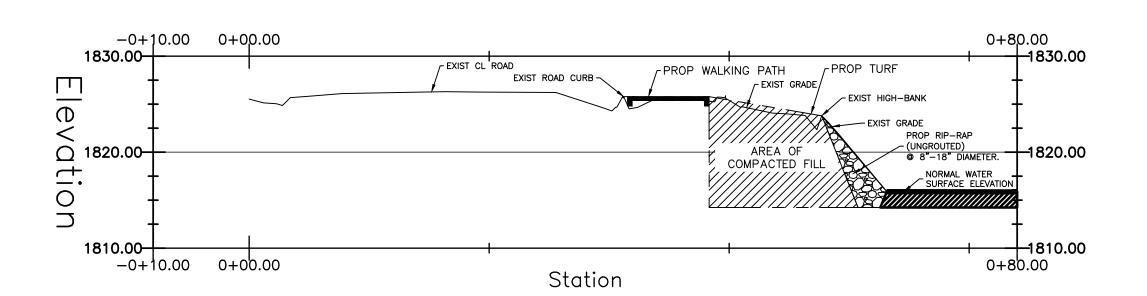
DRAFTER: EBC

PROJECT NO.: 1093

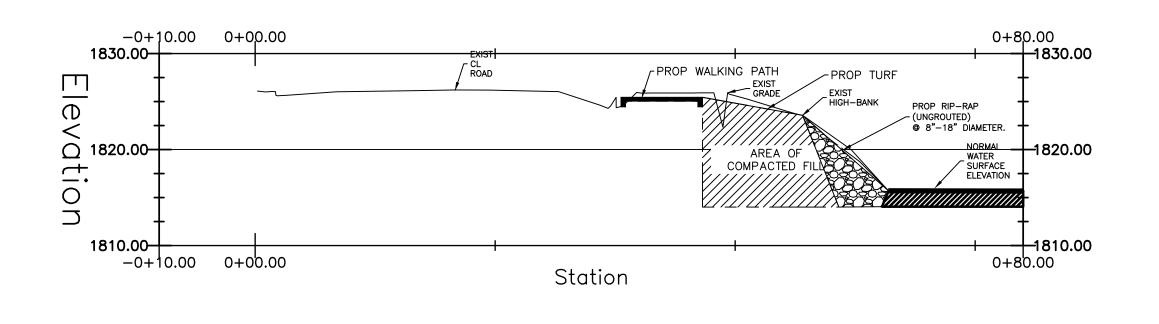
SHEET: 2 OF 6



ALIGNMENT 1.0 PROFILE



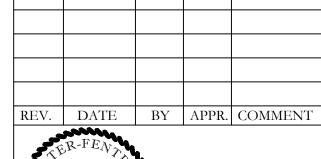
ALIGNMENT 1.1 PROFILE





GRADING LEGEND







CLIENT:

CITY OF SAN ANGELO 52 W. COLLEGE AVE. SAN ANGELO, TEXAS 76903

(325) 657-4239

MR. ALFONSO TORRES

GRADING PLAN LOCATION NO. 1

EMERGENCY CONCHO RIVER BANK STABILIZATION

CITY OF SAN ANGELO TOM GREEN COUNTY, TEXAS



ENGINEER: ERICA CARTER, P.E.

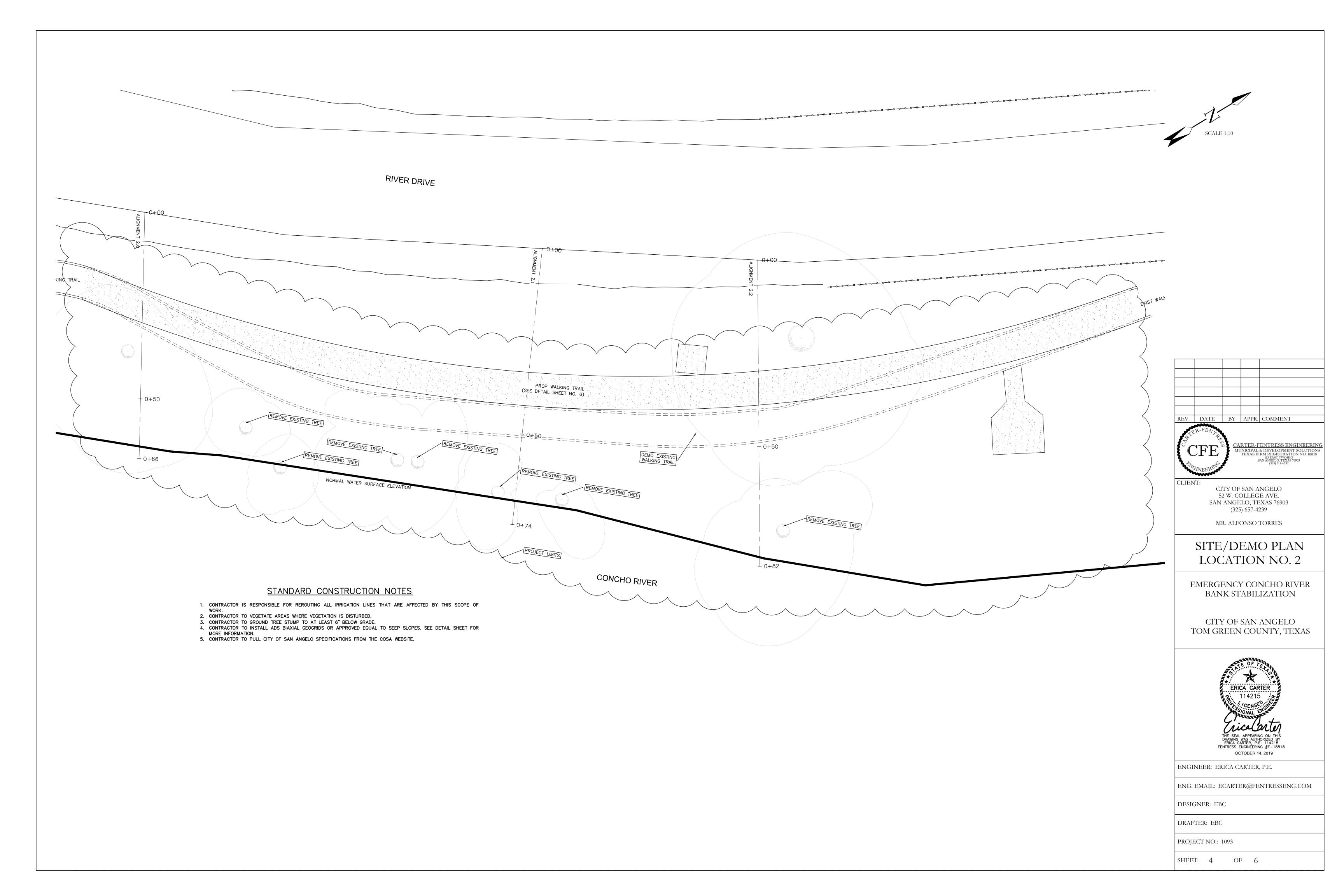
ENG. EMAIL: ECARTER@FENTRESSENG.COM

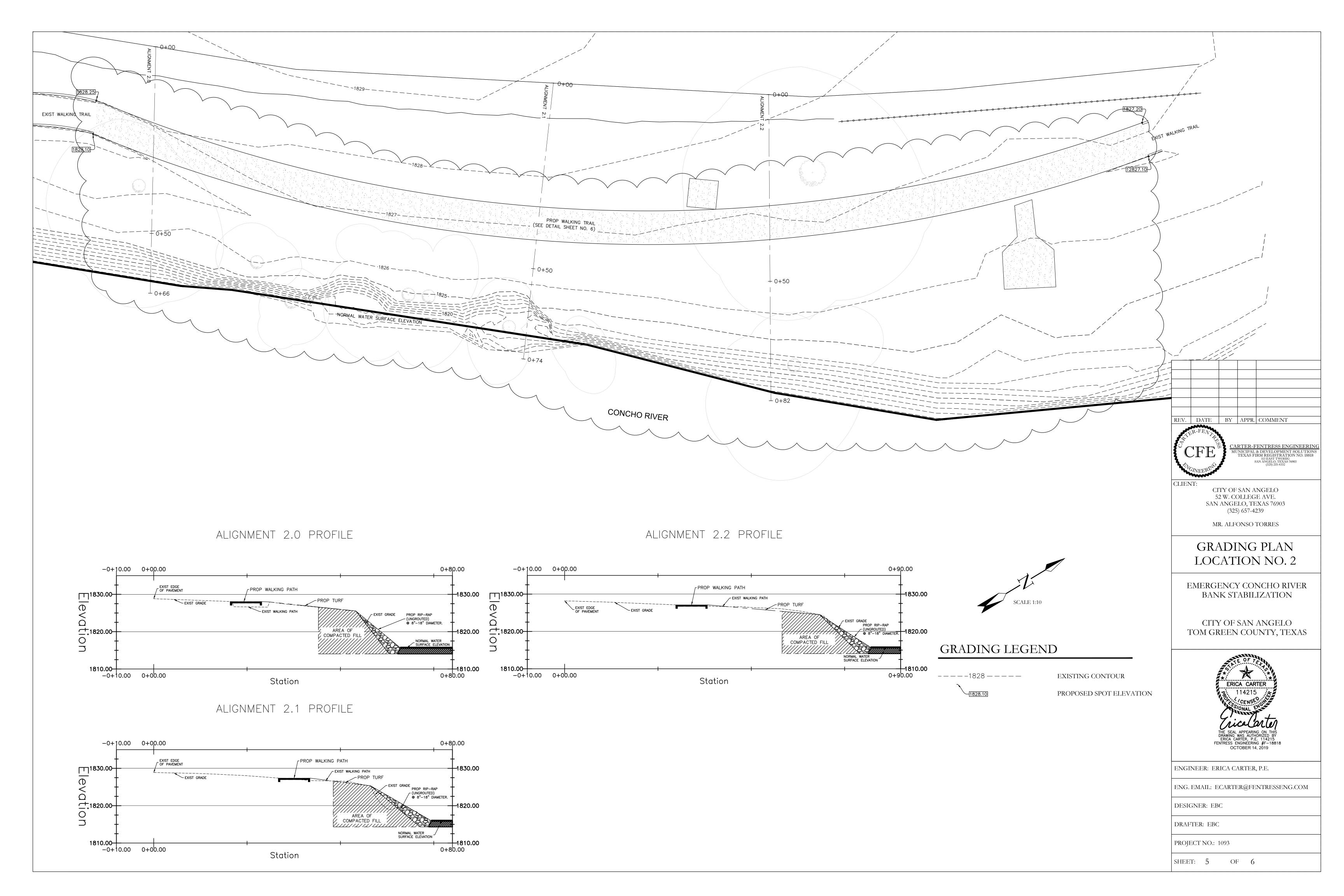
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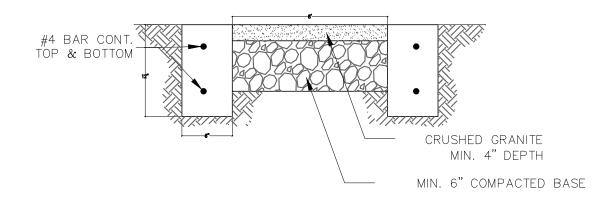
DRAFTER: EBC

PROJECT NO.: 1093

SHEET: OF



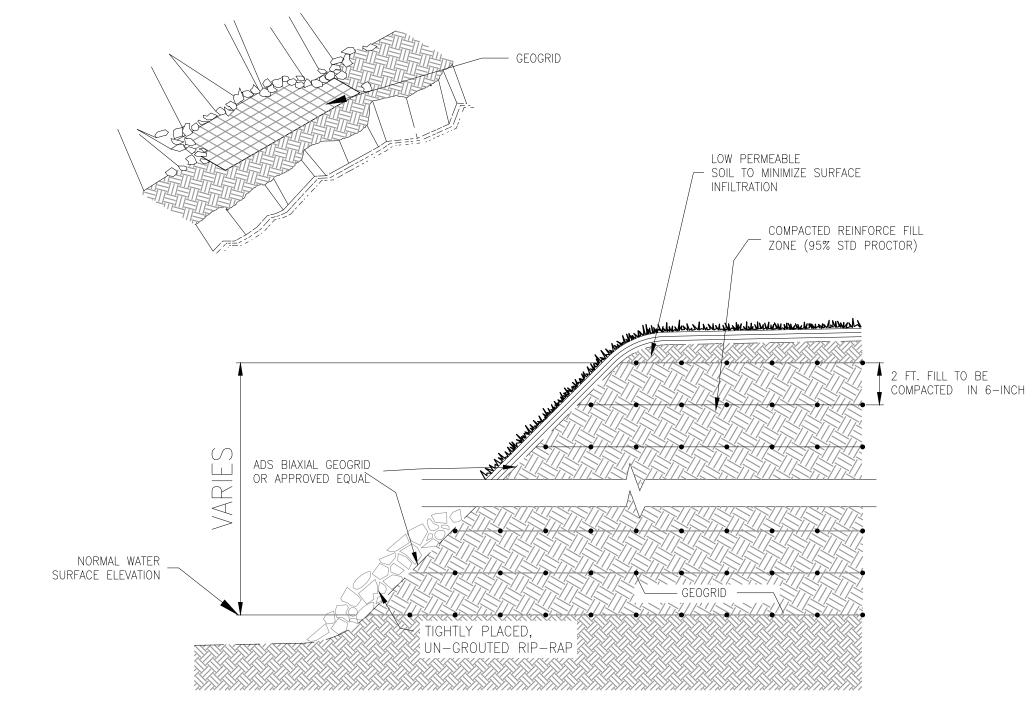




- 1. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 psi, A SLUMP BETWEEN 4 TO 6 INCHES, AND AN AIR CONTENT BETWEEN 3% AND 6%.
- 2. EXPANSION JOINTS ARE REQUIRED AT THE BEGINNING AND END OF CURVES, (RADIUS LESS THAT 100') AND ON A SPACING NOT TO EXCEED 50'. PRE-FORMED EXPANSION JOINT MATERIAL SHALL BE USED.
- 3. DUMMY JOINTS ARE REQUIRED ON 10' CENTERS AND SHALL BE CUT TO A 1" MINIMUM DEPTH.
- 4. TWO #4 DOWELS 24" LONG TO BE PLACED AT EACH EXPANSION JOINT.

WALKING TRAIL DETAIL

SCALE: NONE



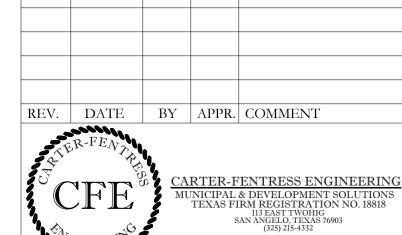
NOTES:

- NOTES:

 1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- 2. STRUCTURAL GEOGRIDS OFFER A BROAD RANGE OF OPTIONS IN THE CONSTRUCTION OF EARTH RETENTION SYSTEMS. THESE OPTIONS ARE BASED ON THE USE OF GEOGRIDS TO INTERNALLY REINFORCE SOIL, WHICH ALLOWS YOU TO BUILD EARTH STRUCTURES COST EFFECTIVELY AND RELIABLY. NO LONGER LIMITED BY THE NATURAL ANGLE OF REPOSE OF SOILS, LEADING DESIGNERS ARE CREATING STEEPENED, NATURAL SLOPES RATHER THAN CONVENTIONAL CONCRETE RETAINING WALLS. ON SITE FILL CAN BE USED RATHER THAN EXPENSIVE, SELECT GRANULAR BACKFILLS. REINFORCED EARTH RETENTION SYSTEMS LOWER BOTH THE COST AND COMPLEXITY OF CONSTRUCTION. REINFORCED SLOPES HAVE BEEN USED FROM COMMERCIAL DEVELOPMENT AND RESIDENTIAL CONSTRUCTION AS WELL AS FOR CONSTRUCTION OF HIGHWAY ENBANKMENT AND BRIDGE APPROACH RAMPS.

EMBANKMENT REPAIR DETAIL

CALE: NONE



CLIENT:

CITY OF SAN ANGELO 52 W. COLLEGE AVE. SAN ANGELO, TEXAS 76903 (325) 657-4239

MR. ALFONSO TORRES

DETAILS

EMERGENCY CONCHO RIVER BANK STABILIZATION

CITY OF SAN ANGELO TOM GREEN COUNTY, TEXAS



ENGINEER: ERICA CARTER, P.E.

ENG. EMAIL: ECARTER@FENTRESSENG.COM

DESIGNER: EBC

DRAFTER: EBC

PROJECT NO.: 1093

SHEET: 6 OF 6