GENERAL NOTES: (CONT.)

9. DESIGN NEW TAKEOFF TOWER FOUNDATIONS IN ACCORDANCE WITH SECTION 33 00 00.01 26. TAKEOFF TOWERS TO HAVE A MINIMUM 3 FOOT EDGE DISTANCE AS SHOWN. DRILLED PIERS SHOWN ARE CONCEPTUAL IN NATURE. FINAL DESIGN, QUANTITY, PLACEMENT, AND DEPTH ARE TO BE PERFORMED BY THE CONTRACTOR.

10. SEE SECTION 33 00 00.01 26 FOR DESIGN REQUIREMENTS FOR SWITCHYARD CIVIL STRUCTURES.

11. PROVIDE REBAR TO PREVENT RE-ENTRANT CRACKING AT 90° JOINTS.

GENERAL NOTES:

1. LOCATE THE TRANSFORMER BASE AND PLATE FOUNDATION SUCH THAT ANY OIL FILLED COMPONENT IS A MINIMUM OF 5' FROM THE EDGE OF CONTAINMENT CURBING. FOUNDATION DIMENSIONS SHOWN REPRESENT THE MAXIMUM TANK DIMENSIONS SPECIFIED BY THE SUPPLY CONTRACT. IF THE MAXIMUM TANK WIDTH IS NEEDED, CONTRACTOR TO ADJUST CONTAINMENT CURBING TO ACHIEVE 5' EDGE DISTANCE AT AS MUCH OF THE CURBING PERIMETER AS POSSIBLE.

2. ALL METAL TO BE HOT DIP GALVANIZED IN SHOP UNLESS OTHERWISE INDICATED.

3. PROVIDE CONCRETE CONTAINMENT CURBING AND PIER FOUNDATION TO SUPPORT THE NEW TRANSFORMER. DRILLED PIERS SHOWN ARE CONCEPTUAL IN NATURE. FINAL DESIGN, QUANTITY, PLACEMENT, AND DEPTH ARE TO BE PERFORMED BY THE CONTRACTOR. ALTERNATE FOUNDATION DESIGNS MAY BE UTILIZED, BUT TRANSFORMER FOUNDATIONS MUST PREVENT LATERAL LOADING TO THE CABLE TUNNELEXISTING UTILITIES MAY NOT BE DAMAGED AS PART OF FOUNDATION INSTALLATION.

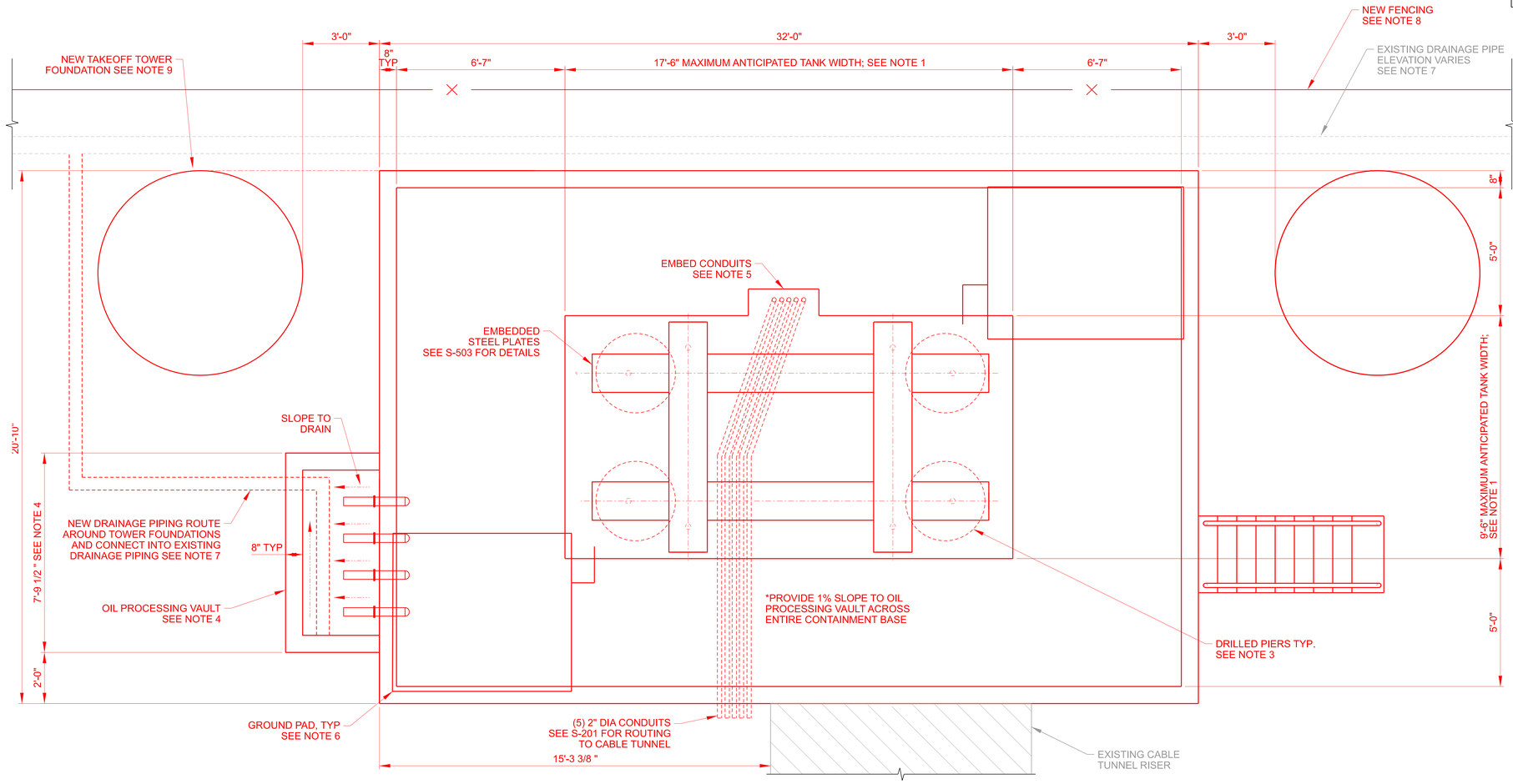
4. FINAL OIL PROCESSING VAULT DIMENSIONS TO BE DETERMINED BY CONTRACTOR. USE A MINIMUM OF 4 OIL FILERS. CURBING FOR CONTAINMENT VAULT TO BE A MINIMUM OF 8 INCHES. PROVIDE HATCH TO ACCESS VAULT AS SHOWN ON S-501. EDGE OF VAULT CURBING TO BE A MINIMUM OF 2'-0" AWAY FROM EDGE OF ADJACENT CONTAINMENT CURBING.

5. CONTRACTOR TO LAYOUT CONDUITS AS REQUIRED FOR ROUTING TO TRANSFORMER CONTROL AND POWER CABINETS. PROVIDE EXTENSION IN TRANSFORMER FOUNDATION TO EMBED CONDUITS. FINAL EXTENSION AND WIDTH TO BE DETERMINED BY CONTRACTOR. PROVIDE EXTENSION GEOMETRY TO ALLOW FOR CONCRETE ANCHORAGE OF THE STEEL GRATING SUPPORT SYSTEM WITHOUT IMPACTING EMBEDDED MATERIALS.

1 6. PROVIDE A MINIMUM OF TWO GROUND CONNECTIONS FOR THE NEW TRANSFORMER THAT CONNECT TO THE EXISTING GROUND GRID. CONNECTIONS SHALL ALIGN WITH THE LOCATION OF THE GROUND PADS ON THE NEW TRANSFORMER.

7. ROUTE OIL PROCESSING VAULT DRAINAGE PIPING AROUND NEW TAKEOFF TOWER FOUNDATIONS. CONTRACTOR TO FINALIZE OIL PROCESSING VAULT ELEVATIONS TO PROVIDE A MINIMUM 1% SLOPE TO THE EXISTING DRAIN LINE. CONNECT INTO EXISTING 8" SWITCHYARD DRAINAGE PIPING, SEE REFERENCE DRAWINGS FOR DETAILS. CONTRACTOR TO SURVEY EXISTING DRAINAGE PIPING TO VERIFY CRITICAL ELEVATIONS.

8. REMOVE EXISTING FENCING AS SHOWN. PROVIDE TEMPORARY FENCING DURING CONSTRUCTION. PROVIDE NEW PERMANENT FENCING AFTER TRANSFORMER INSTALLATION.



G7 / S-101 A2 PLAN - FOUNDATION
SCALE: 1/2" = 1'-0"

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE
1	CLARIFIED NOTE #6 GROUND CONNECTIONS.	01/19/2023

MARK	DESCRIPTION	DATE

U.S. ARMY CORPS OF ENGINEERS
NASHVILLE DISTRICT
NASHVILLE, TENNESSEE

U.S. ARMY CORPS OF ENGINEERS
HYDROELECTRIC DESIGN CENTER
PORTLAND, OREGON

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ISSUE DATE: 06/2023
SOLICITATION NO.: W912P522R0013
CONTRACT NO.:
DRAWING NUMBER:
FILE NAME: S-103XXX.DGN
SIZE: ARCH D

WOLF CREEK DAM
CUMBERLAND RIVER
GSU REPLACEMENT

CONCRETE BANK 2
PLAN VIEW
INSTALL

SHEET ID
S-103

File Name - $$File$$
Plot Date - $Date$
Plot Time - $Time$

CERTIFIED FINAL DOCUMENTS – RTA