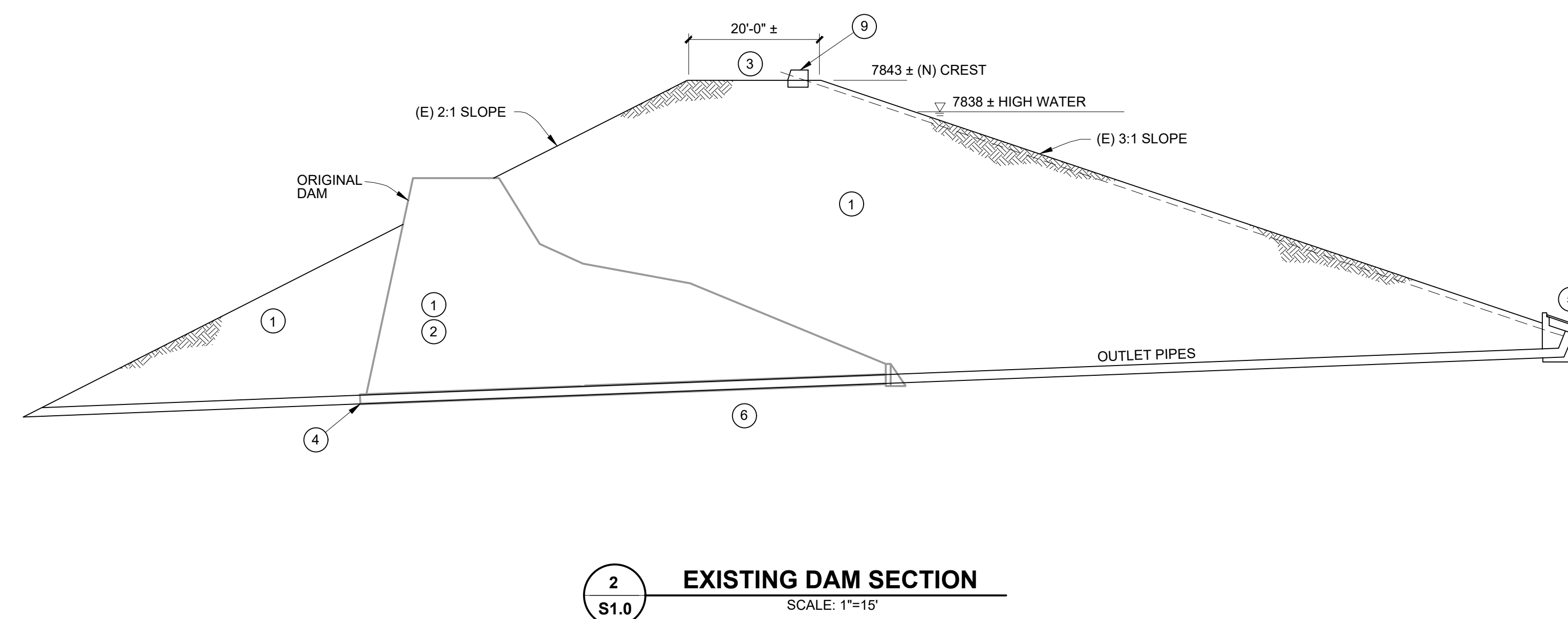


1 EXISTING DAM PLAN
SCALE: 1"=40'



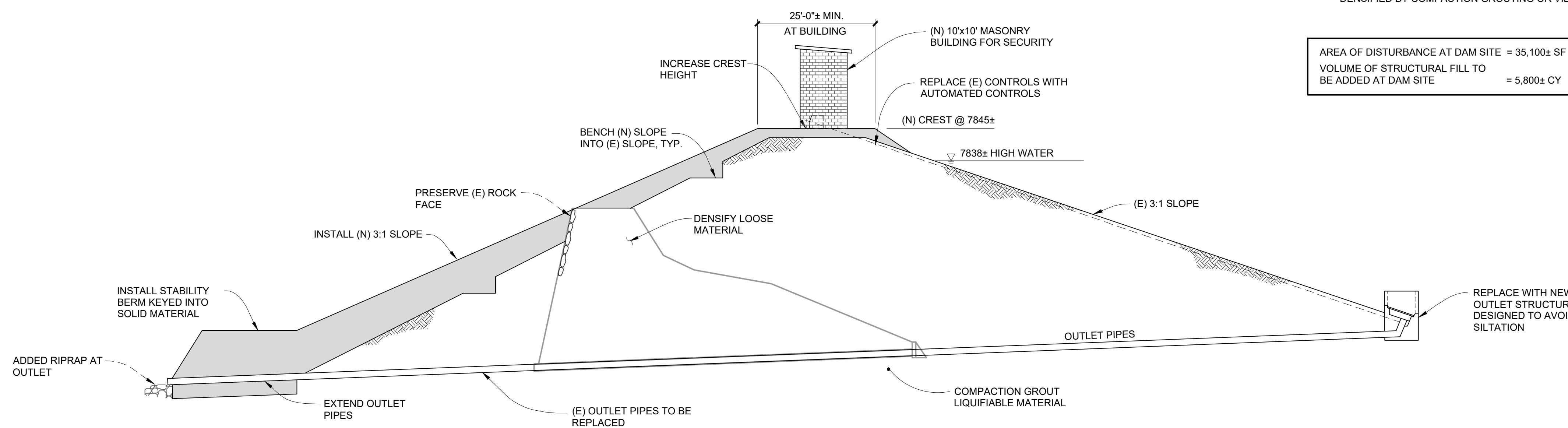
2 EXISTING DAM SECTION
SCALE: 1"=15'

POTENTIAL DEFICIENCY MATRIX

MARK	DEFICIENCY	PREFERRED UPGRADE
1	EMBANKMENT UNSTABLE DURING A SEISMIC EVENT	INSTALL (N) 3:1 SLOPE AND STABILITY BERM - SEE 3/S1.0 & NOTE 1
2	INADEQUATE COMPACTION LEADING TO SETTLEMENT DURING A SEISMIC EVENT	DENSIFY ORIGINAL DAM EMBANKMENT - SEE 3/S1.0
3	OVERTOPPING OF CREST DURING A SEISMIC EVENT	INCREASE CREST HEIGHT - SEE 3/S1.0
4	LEAKAGE AND CORROSION IN OUTLET PIPES	REPLACE OUTLET PIPES - SEE 3/S1.0
5	DETERIORATED OUTLET STRUCTURE	REPLACE - SEE 3/S1.0
6	POTENTIAL LIQUIFACTION DURING A SEISMIC EVENT	COMPACTION GROUT
7	UNSTABLE SLOPE ABOVE SPILLWAY	SEE 2/S2.0
8	DETERIORATION IN SPILLWAY WALLS; SPILLWAY FILLS w/ SNOW	SEE 2/S2.0
9	INADEQUATE MANUAL CONTROLS	REPLACE

NOTES: 1. AS AN ALTERNATIVE TO CONSTRUCTING A NEW EMBANKMENT SLOPE, THE EXISTING EMBANKMENT COULD BE DENSIFIED BY COMPACTION GROUTING OR VIBRO COMPACTION.

AREA OF DISTURBANCE AT DAM SITE = 35,100± SF
VOLUME OF STRUCTURAL FILL TO BE ADDED AT DAM SITE = 5,800± CY



3 PROPOSED DAM SECTION w/ PREFERRED UPGRADES
SCALE: 1"=15'

REV.	DATE	DESCRIPTION

BAR IS 1 INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

S1.0
DATE: NOV. 13, 2018
DRAWN BY: S.R.M.
DESIGNED BY: T.R.T.
CHECKED BY: -
JOB NO.: 9624.000
SHEET: 1 OF 3

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