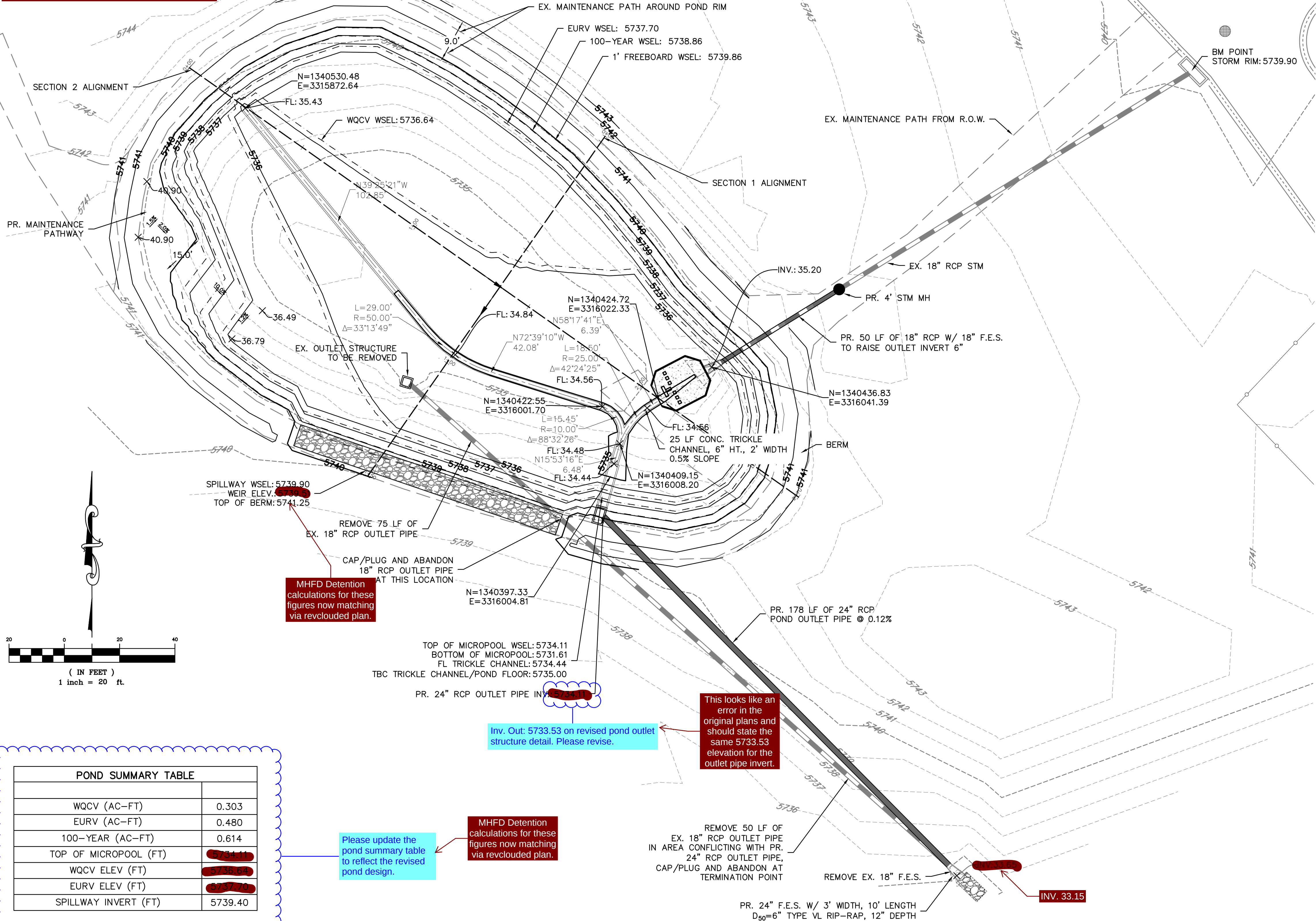


Please update the Pond 2 plan to be consistent with the revised pond outlet structure and forebay details shown on Sheets 20-22. Several elevations on the current Pond 2 sheet—including top of micropool, WQCV WSEL, EURV WSEL, and 100-year WSEL—do not match the updated design information.

Please note that ELX does not have access to previous CAD files from original approved CDR plans. Any revisions and changes required on this plan sheet are directly done via PDF, consistent with the revisions in the last CDR application for the subdivision.

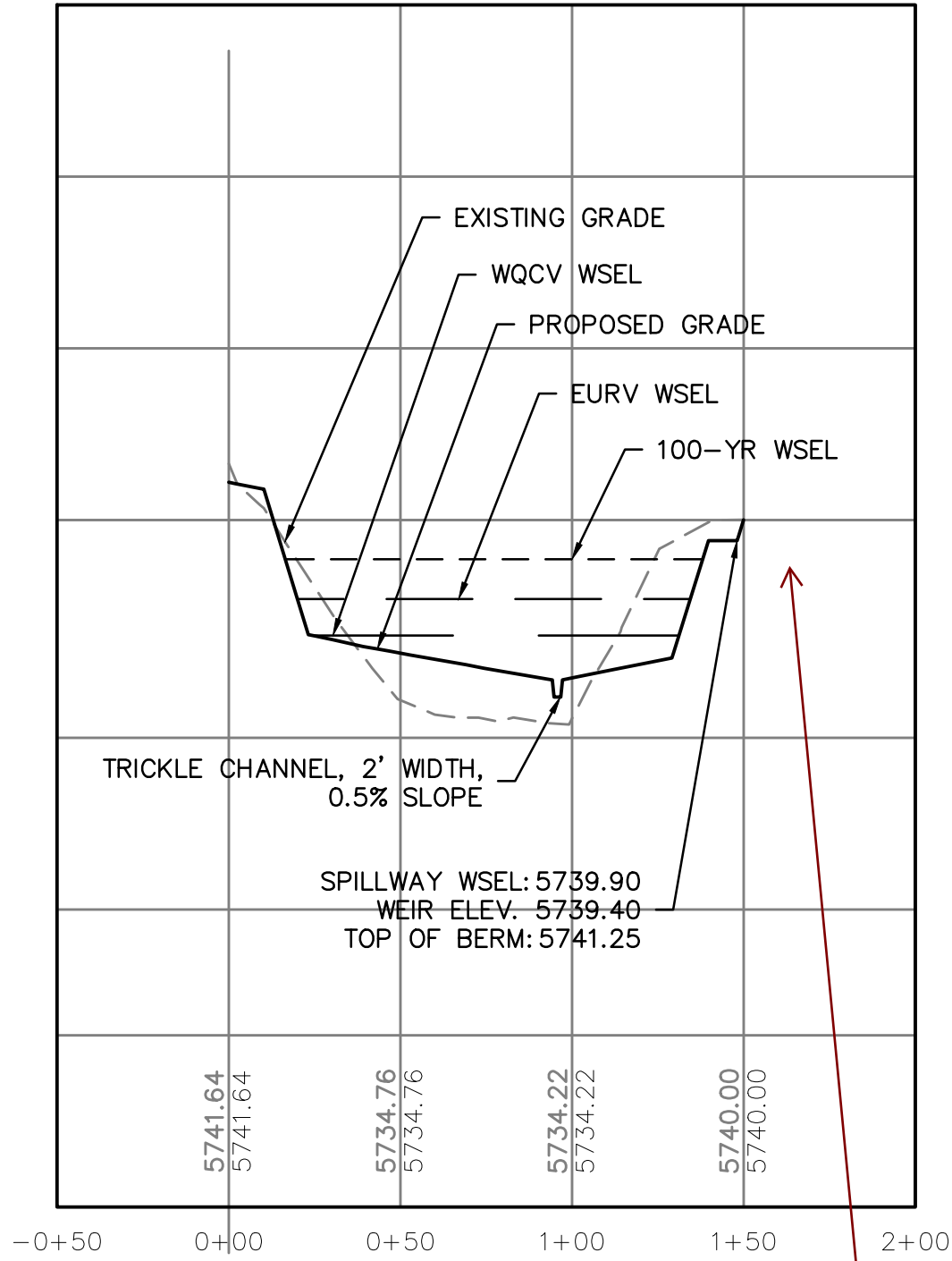


POND SUMMARY TABLE	
WQCV (AC-FT)	0.303
EURV (AC-FT)	0.480
100-YEAR (AC-FT)	0.614
TOP OF MICROPOOL (FT)	5734.11
WQCV ELEV (FT)	5736.64
EURV ELEV (FT)	5737.70
SPILLWAY INVERT (FT)	5739.40

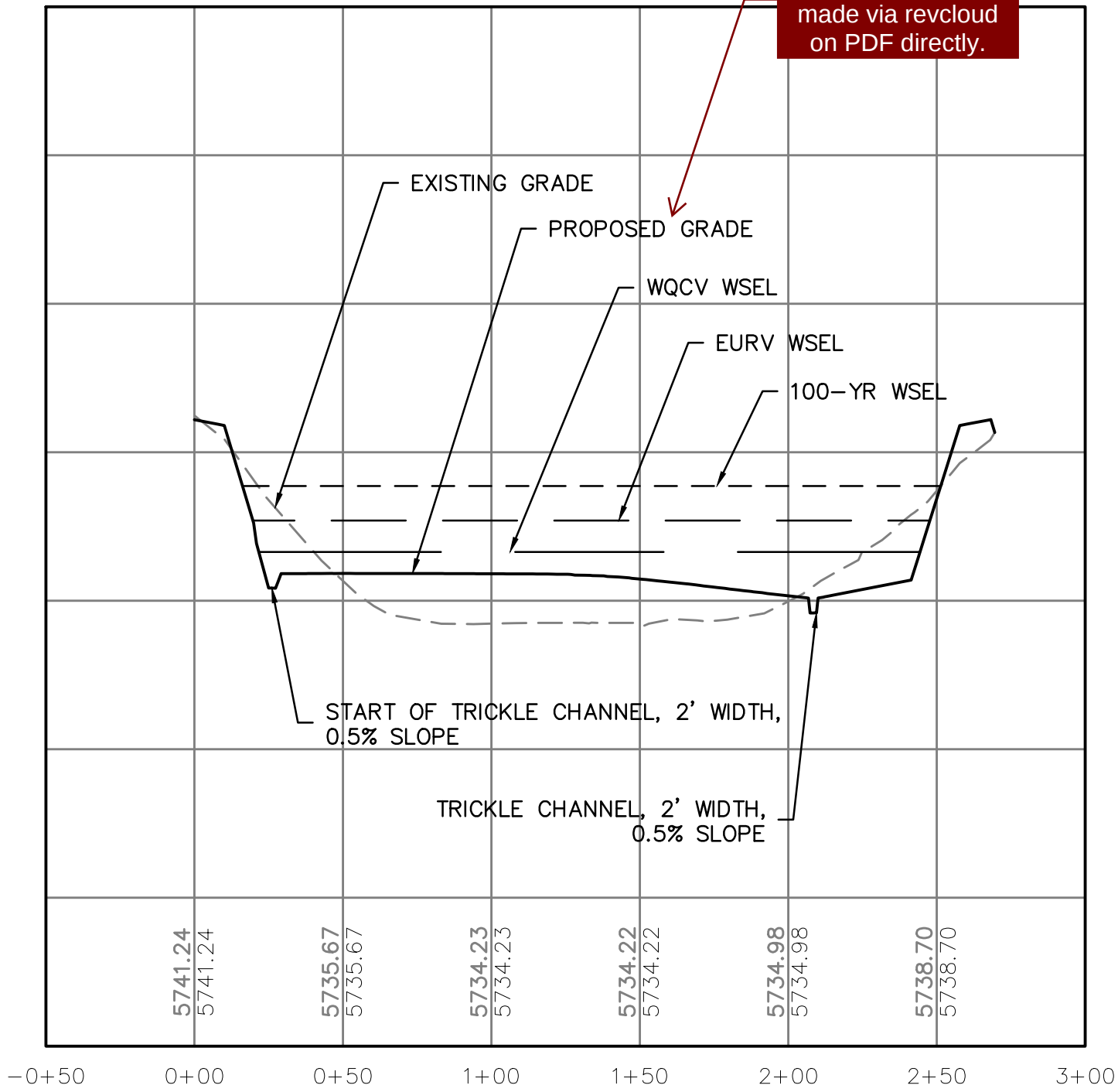
NOTE:

- THE DEVELOPER SHALL HAVE A LICENSED PROFESSIONAL ENGINEER CERTIFY EACH STORMWATER DETENTION POND AND/OR WATER QUALITY BMP IS BUILT ACCORDING TO THE APPROVED PLANS AND SPECIFICATIONS AND THE REQUIRED DETENTION VOLUME, INCLUDING THE WQCV WHEN USED, IS MET. THE CERTIFICATION SHALL ALSO VERIFY ALL PERTINENT DIMENSIONS, ELEVATIONS, REQUIRED OUTLET ORIFICE PLATES FOR DETENTION AND WQCV AND OTHER PERMANENT BMPs REQUIREMENTS ARE INSTALLED PER THE APPROVED PLANS AND SPECIFICATIONS, AND SHALL SHOW THE AS-BUILT DESIGN VOLUMES (WQCV, 10-YEAR, 100-YEAR, EURV) AND OTHER PERTINENT DIMENSIONS, ELEVATIONS AND CAPACITY REQUIREMENTS ASSOCIATED WITH THE WQ BMP USED. THE CERTIFICATION SHALL BE PROVIDED TO EL PASO COUNTY ENGINEERING. AN APPROVED POND CERTIFICATE SHALL BE REQUIRED PRIOR TO THE RETURN OF ANY FISCAL SECURITY DEPOSIT (AS WELL AS SATISFYING OTHER CONDITIONS OF THE STORMWATER PERMIT) FOR SITES THAT DO NOT REQUIRE A CERTIFICATE OF OCCUPANCY. EXAMPLES OF THESE SITES INCLUDE BUT ARE NOT LIMITED TO: SITES WITHOUT VERTICAL CONSTRUCTION, OIL AND GAS WELL PADS, OUTDOOR STORAGE, AND TOW YARDS. AN APPROVED POND CERTIFICATE SHALL BE REQUIRED PRIOR TO COMMENCEMENT OF BUSINESS OPERATIONS. IN NO CASE SHALL A CERTIFICATE OF OCCUPANCY OR TEMPORARY CERTIFICATE OF OCCUPANCY BE ISSUED WITHOUT AN APPROVED POND CERTIFICATE.

POND A - SECTION 1
N.T.S.



POND A - SECTION 2
N.T.S.



811

Know what's below.
Call before you dig.

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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COLORADO SPRINGS, COLORADO 80919

303.519.5100
SCOTT VAN WYHE

PUNCHLIST CONNECTIONS LLC

SUNSET VILLAGE FILING 4 - DRAINAGE
EL PASO COUNTY, COLORADO

CONSTRUCTION DRAWINGS
POND 2

CLIENT

DATE 1/7/2022

REVISIONS

DR. RDL

CH. RDL

P.M. RDL

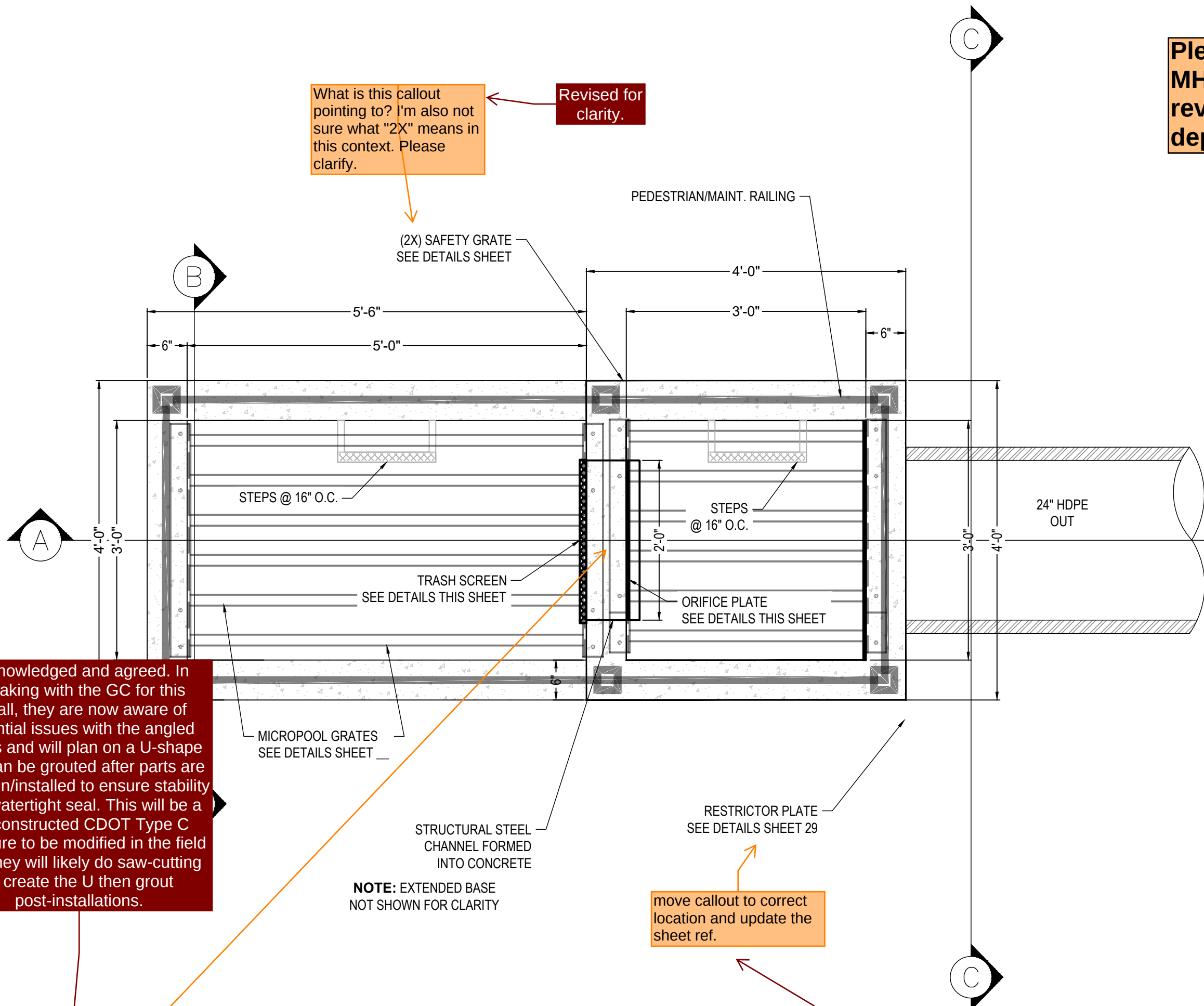
JOB #21004166

SHEET NO.

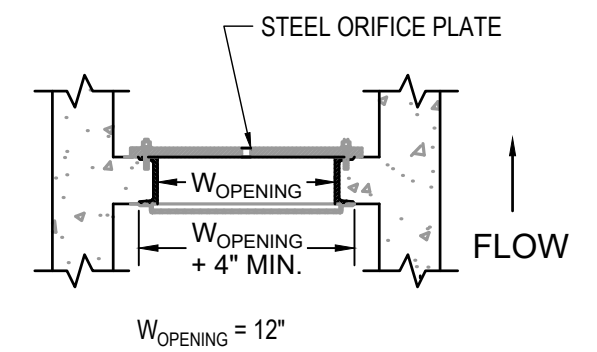
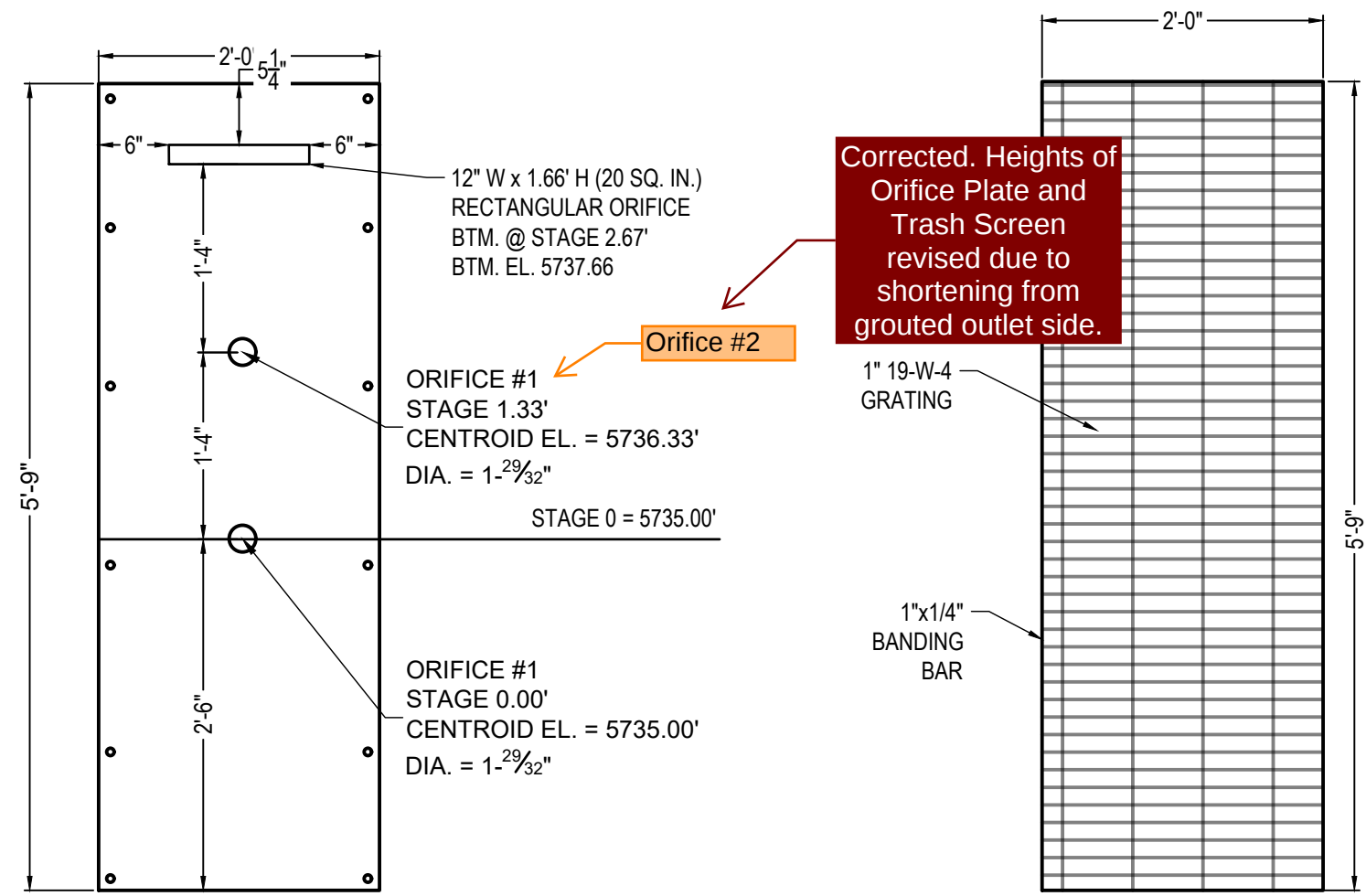
COLORADO LICENSED PROFESSIONAL ENGINEER

80921

CAD FILE: 21004166-POND PLANS.DWG



Please provide the revised MHFD calcs so that I can review these details in more depth.



TRASH SCREEN NOTES:

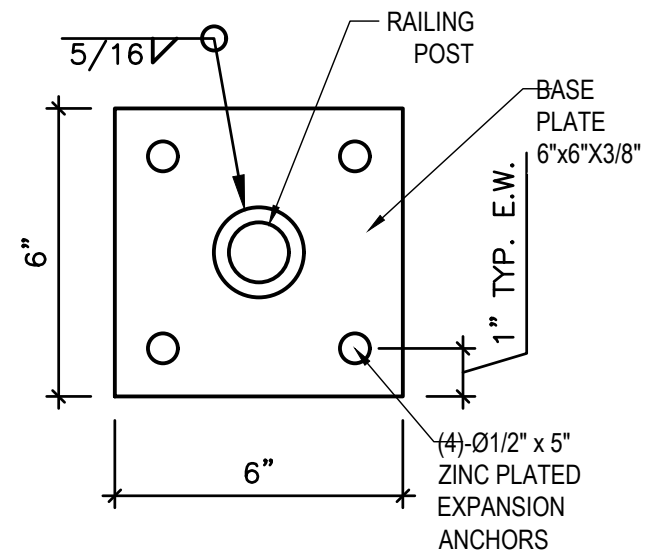
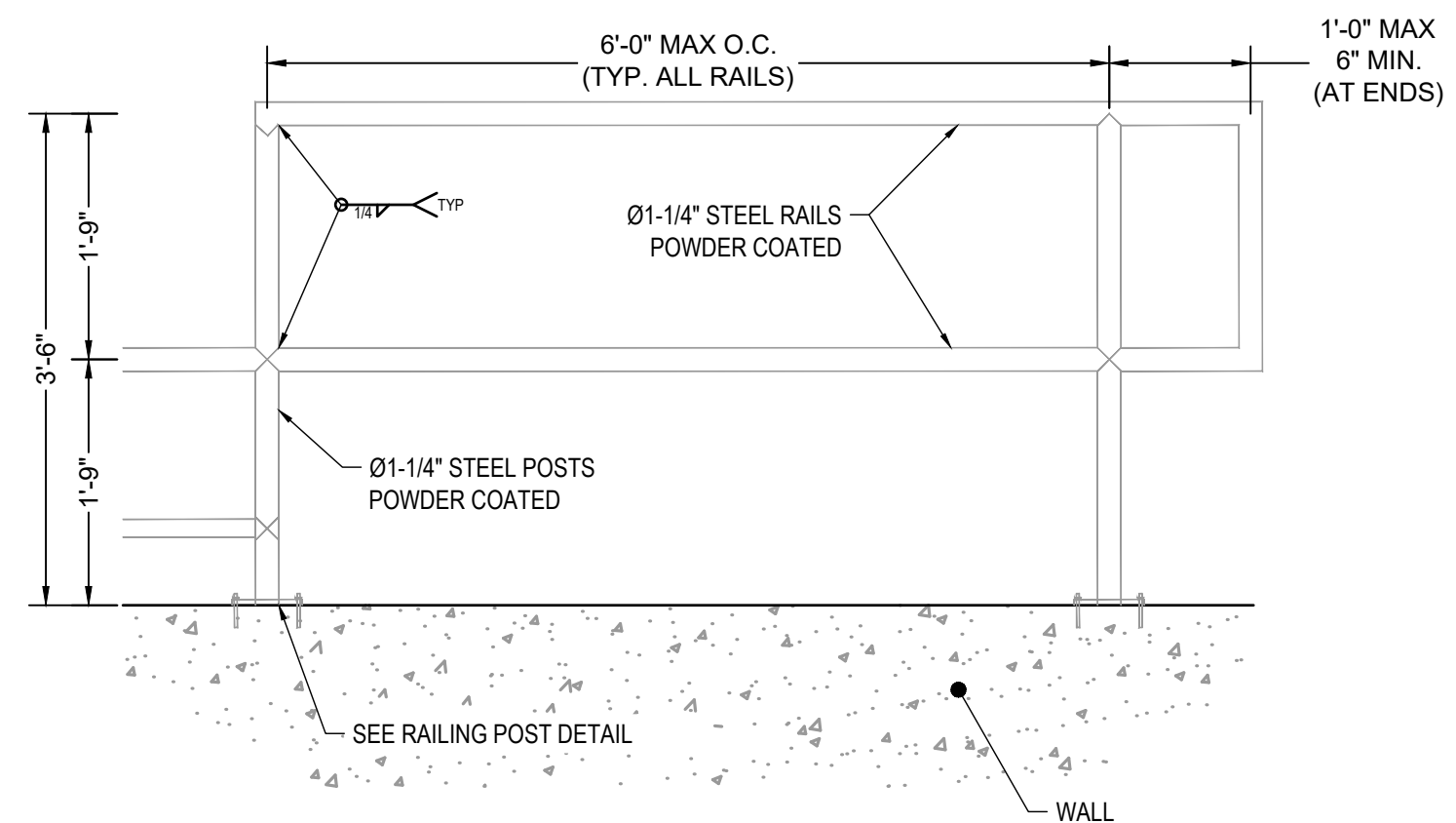
1. TRASH SCREEN SHALL BE CONSTRUCTED OF 1" THICK 19-W-4 GRATING WITH 1"x1/4" BANDING BARS ON EACH SIDE AND GALVANIZED OR APPROVED EQUIVALENT AND SHALL BE ATTACHED BY INTERMITTENT WELDS.
2. TRASH SCREEN OPEN AREAS ARE FOR SPECIFIED TRASH RACK MATERIALS. TOTAL TRASH RACK SIZE MAY NEED TO BE ADJUSTED FOR MATERIALS HAVING DIFFERENT OPEN AREA/GROSS AREA RATIO (R VALUE).
3. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR TRASH SCREEN FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.

ORIFICE PLATE NOTES:

1. PLATE TO BE 3/8" THICK GALVANIZED STEEL.
2. BOLT PLATE TO CONCRETE 16" O.C. MAX.
3. PROVIDE CONTINUOUS NEOPRENE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ORIFICE PLATE FOR ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION.
5. PROVIDE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE. GASKET SHALL BE MADE OF 1/4-INCH THICK, 60 DUROMETER EPDM RUBBER (OR EQUIVALENT GASKET APPROVED BY EPC) IN A CONTINUOUS SHEET THE SIZE OF THE ORIFICE PLATE. THE SHEET SHALL BE PLACED BETWEEN THE ORIFICE PLATE AND CONCRETE WALL, WITH THE WIDTH OF THE OVERLAP BETWEEN THE PLATE AND THE CONCRETE. OPENINGS SHALL BE CUT INTO THE SHEET CORRESPONDING TO THE PLATE BOLT HOLES AND THE CONCRETE WALL OPENING, CUTS MADE EITHER BY THE CONTRACTOR IN THE FIELD OR BY THE MANUFACTURER.

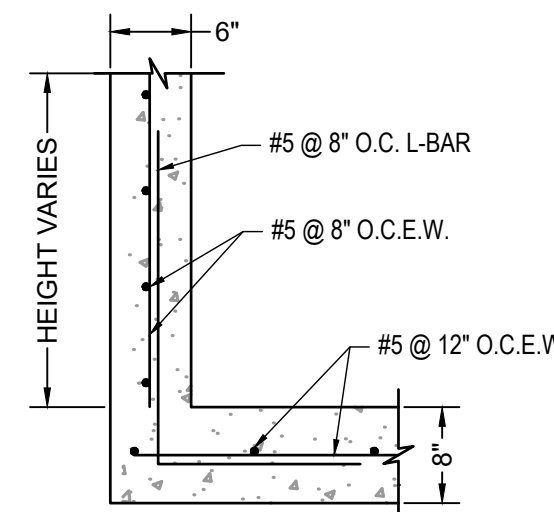
I think you can delete Note #3, since #5 below is a more detailed version of it.

Note #3 removed.



PEDESTRIAN / MAINTENANCE RAILING (ELEVATION VIEW) SCALE: 3/4" = 1'

PEDESTRIAN / MAINTENANCE RAILING POST (PLAN VIEW) SCALE: 3/4" = 1'



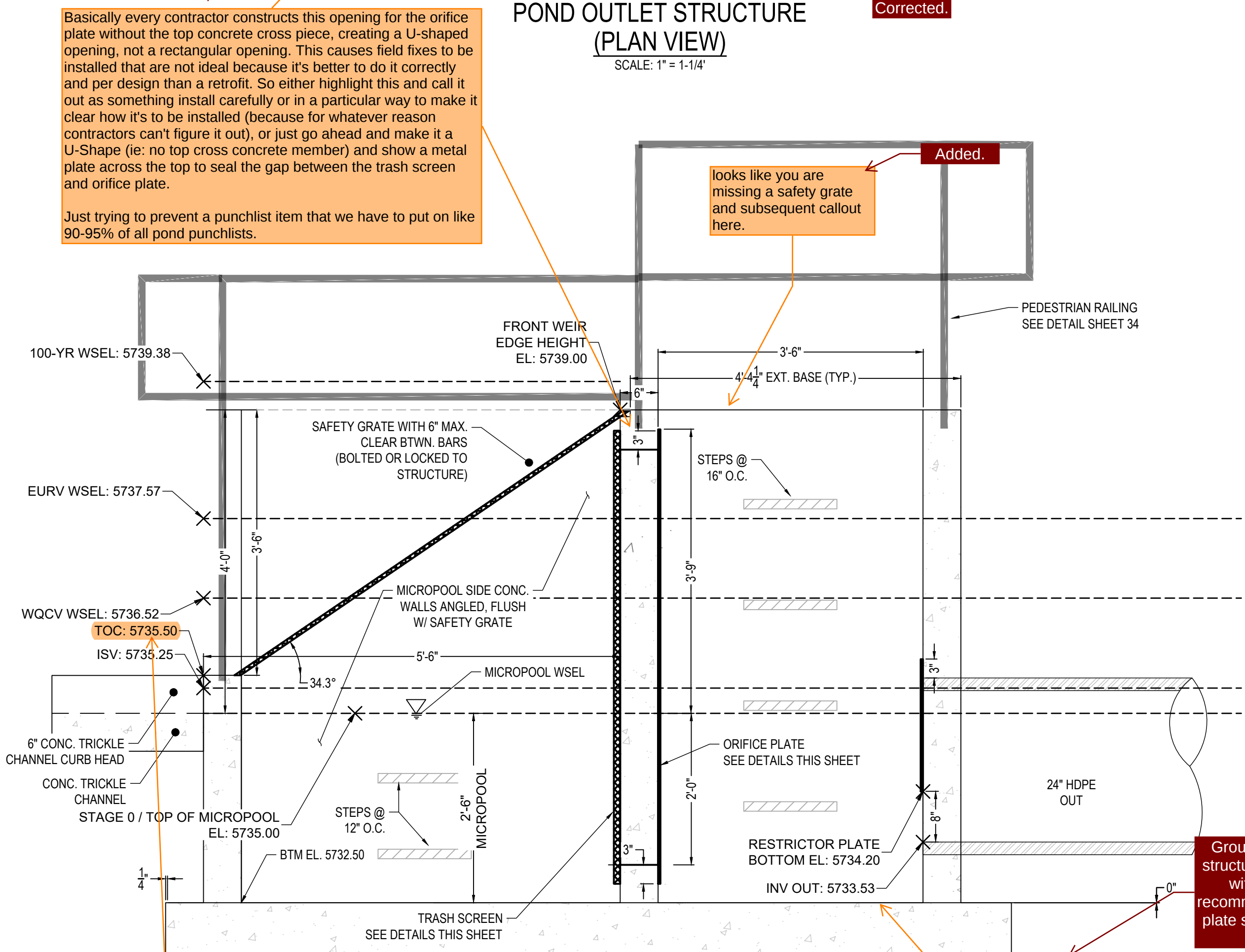
OUTLET STRUCTURE REINFORCEMENT DETAIL SCALE: NTS

TWO SIGNS SHALL BE INSTALLED AROUND THE POND PERIMETER. THE SIGNS SHALL BE CONSTRUCTED OF A DURABLE MATERIAL SUCH AS METAL OR PLASTIC AND HAVE RED LETTERING ON A WHITE BACKGROUND WITH THE BELOW MESSAGE.

WARNING:
THIS AREA IS A
STORMWATER
FACILITY AND
IS SUBJECT TO
PERIODIC
FLOODING

MIN. SIGN AREA: 3 SQ. FT.

POND WARNING SIGN DETAIL SCALE: N.T.S.



POND OUTLET STRUCTURE (ELEVATION VIEW, SECTION A-A) SCALE: 1" = 1-1/4'

Grouted bottom of structure now shown with slope as recommended. Orifice plate shortened from bottom.

It's not ideal to have this area hold water. Recommend showing it filled with grout, angled towards the outlet pipe. Specifically: Per previous MHFD DCMv3 Detail T-12, the outlet structure bottom should have a shaped invert of 2.5% minimum slope.

Note: that obviously you don't want the grout to be placed up above the bottom of the orifice plate, so you may need to raise the orifice plate up (ie: make it shorter).

Stage Zero to remain 35.00 to keep all infrastructure and elevations consistent with the design proposed. Now shown as invert of low-flow channel only, consistent with previously approved CDR plans.

Per Laura's blue comment in the upper left corner of Sht 17 above, this is an example of one of the elevations that needs to be resolved. Compared to the plan on Sht 17, the top of the trickle channel will be 6" above the pond bottom, which is not acceptable.

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PROJECT NAME:

SUNSET VILLAGE
FILING NO. 4

PROJECT LOCATION:

SUNSET VILLAGE
FILING NO. 4
EL PASO COUNTY, COLORADO

CLIENT:

SCOTT ALLEN HOMES

CONTACT INFO:

SCOTT VAN WYHE
SCOTT ALLEN HOMES
scott@punchlistconnection.com

PROFESSIONAL SEAL:

DATE: DESCRIPTION:

04/04/26 CDR218 REV. 1

JOB #: 101544

DRAWN BY: CDS

REVIEWED BY: CDS

PROJ. MNGR.: CDS

PLAN SET:

SUNSET VILLAGE
FILING NO. 4

PERMANENT CONTROL MEASURE
INFRASTRUCTURE DETAILS

SHEET TITLE:

OUTLET STRUCTURE DETAILS

SHEET NO.:

21