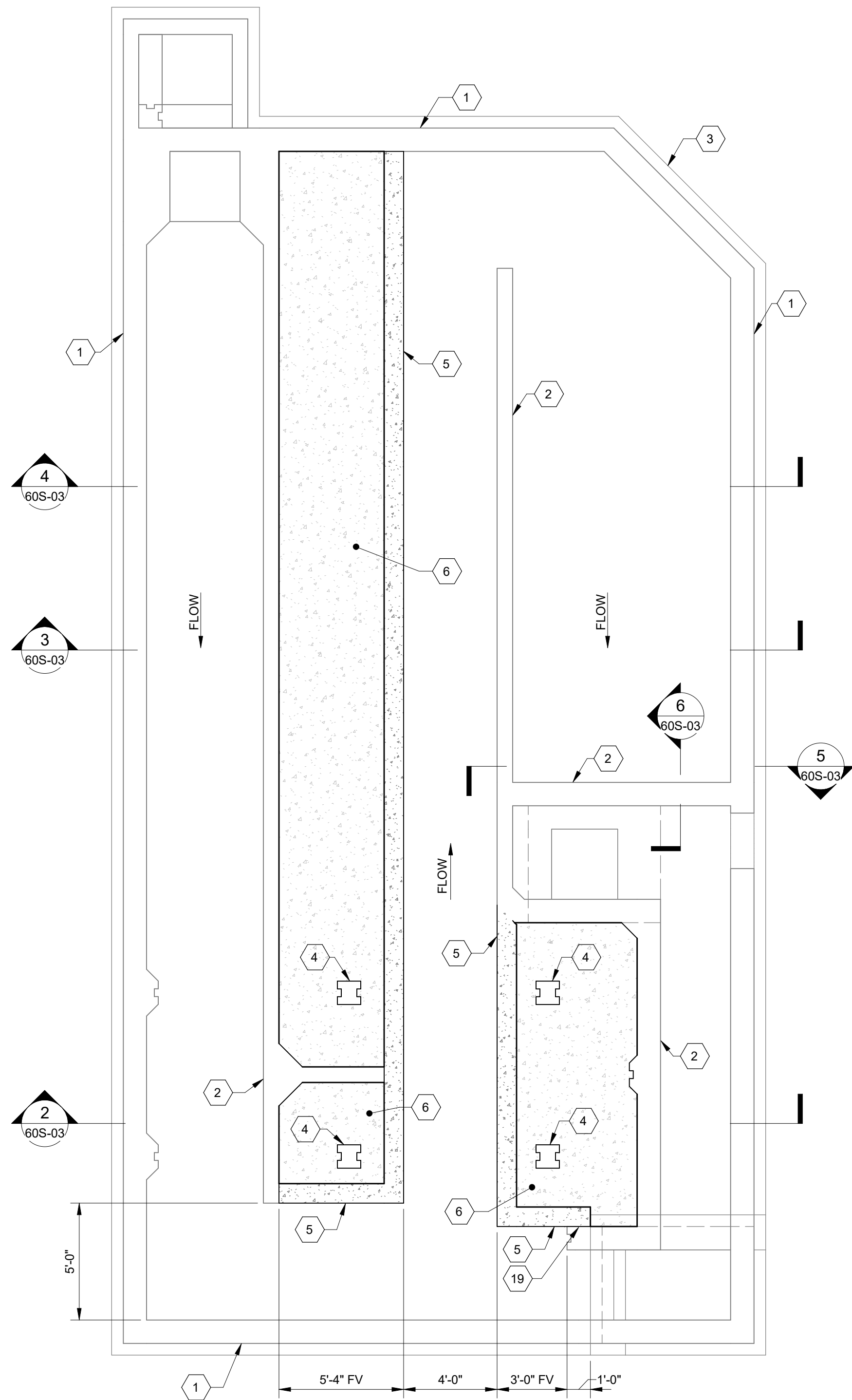
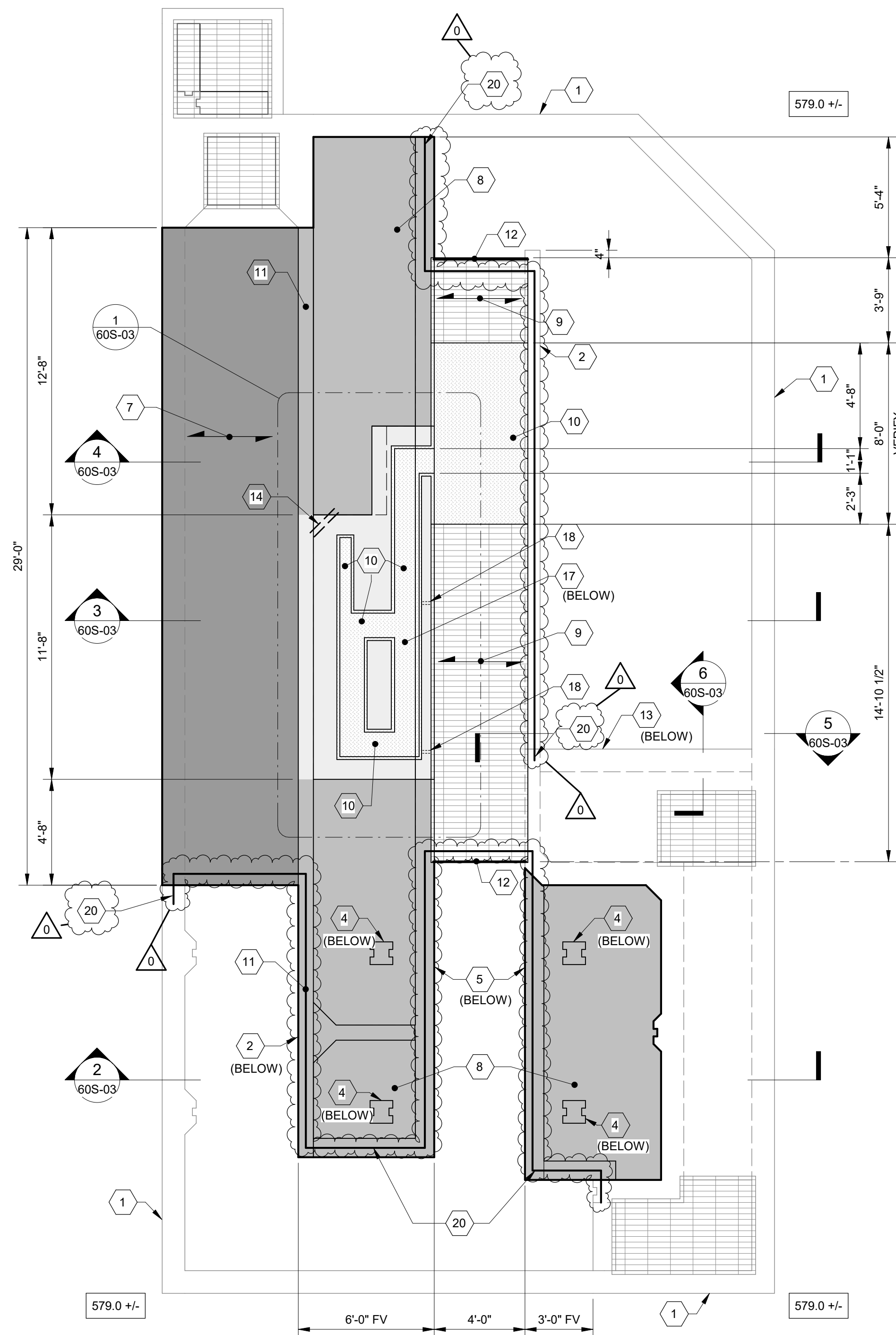


8/23/2024 10:35:51 AM



1 BASIN BASE SLAB PLAN AT EL 571.99 +/-
60S-02 1/4" = 1'-0"



2 BASIN PLAN AT EL 579.74 +/-
60S-02 1/4" = 1'-0"

PLAN NOTES

- SEE SHEETS SD-S-01 TO SD-S-04 FOR STRUCTURAL GENERAL NOTES.
- SEE SHEET SD-S-05 TO SD-S-09 FOR TYPICAL DETAILS.
- FIELD VERIFY ALL ELEVATIONS. TOP OF WALL ELEVATION 579.74 +/- (USGS), VERIFY.
- CASTING CONCRETE AGAINST EXISTING AND/OR GREEN CONCRETE
 - ROUGHENED SURFACE TO 3/8 INCH AMPLITUDE. THE SURFACE SHALL BE ABRASIVE BLASTED OR CHIPPED AS REQUIRED THEN LOW PRESSURE WASH AND THOROUGHLY CLEAN.
 - PRESSURE WASH ALL SURFACES WITH CLEAN, POTABLE WATER TO REMOVE ALL SOLUBLE SALTS, AND RINSE WELL.
 - REMOVE ALL COATINGS, DIRT, AND CORROSION FROM SURFACES.
- SLAB CONSTRUCTION
 - STRUCTURAL 8" CONCRETE SLAB WITH ONE LAYER OF #5 BARS AT 10" OC, EACH WAY. SLOPE SLAB TO SHED WATER.
 - 12" CONCRETE SLAB ON CLSM FILL WITH TWO LAYER OF #5 BARS AT 10" OC, EACH WAY. SLOPE SLAB TO SHED WATER. AT EQUIPMENT CABLE TRENCH, TRANSITION TO A 4" SLAB. BOTTOM REINFORCING SHALL BE CONTINUOUS. MAXIMUM SPACING OF CONTROL JOINTS SHALL NOT EXCEED 30'.
 - 6" CONCRETE SLAB ON CLSM FILL WITH ONE LAYER OF #5 BARS AT 10" OC, EACH WAY. SLOPE SLAB TO SHED WATER. MAXIMUM SPACING OF CONTROL JOINTS SHALL NOT EXCEED 25'.
 - PROVIDE ADHESIVE ANCHOR DOWELS AT INTERSECTION BETWEEN NEW AND EXISTING CONCRETE. DOWELS SHALL MATCH TYPICAL REINFORCING SIZE, SPACING, AND LOCATIONS.
 - THICKEN SLAB, AS REQUIRED, OVER INTERIOR WALLS TO PROVIDE FULL BEARING FOR NEW SLAB.
 - SLOPE EQUIPMENT CABLE TRENCH TO SHED WATER.
 - AT SINGLE REINFORCING MAT, CENTER REINFORCING
- CONCRETE WALLS SHALL BE 10" WIDE WITH TWO LAYER OF #4 BARS AT 9" OC, EACH WAY.
 - ADHESIVE ANCHOR DOWELS AT EXISTING BASE SLAB SHALL BE #4 BARS AT 8" OC EACH FACE. TERMINATE DOWELS 2'-6", MIN, ABOVE T/S LAB. 7 1/2" MIN. ADHESIVE ANCHOR EMBEDMENT LENGTH.
 - PROVIDE ADHESIVE ANCHOR DOWELS AT INTERSECTION BETWEEN NEW AND EXISTING WALLS. DOWELS SHALL MATCH TYPICAL REINFORCING SIZE, SPACING, AND LOCATIONS.
 - CAST DOWEL BARS AT TOP OF WALL FOR NEW SLAB. DOWELS SHALL MATCH TYPICAL REINFORCING SIZE, SPACING, AND LOCATIONS.
- CONCRETE FILL (CLSM) SHALL BE PLACED AT RATE OF 2 VERTICAL FEET PER HOUR, MAX. DO NOT BACKFILL WALLS UNTIL CONCRETE WALLS HAVE REACHED FULL STRENGTH (100% F_c). IN LIEU OF A 2 FEET PER HOUR CONCRETE FILL (CLSM) RATE, CONTRACTOR MAY SUBMIT WALL SHORING DESIGN. SEALED BY AN OHIO LICENSED PROFESSIONAL ENGINEER. EXTEND FILL TO BOTTOM OF PROPOSED SLABS.
- FIELD VERIFY ALL DIMENSION. FIELD VERIFY ALL MEASUREMENTS NOT SHOWN.
- COORDINATE LOCATION AND SIZE OF ALL FLOOR PENETRATIONS, TRENCHES, EQUIPMENT SIZE, AND OPENINGS WITH PROCESS, MECHANICAL, AND ELECTRICAL.
- COORDINATE LOCATION AND SIZE OF ALL EQUIPMENT PADS WITH PROCESS, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
- CJ INDICATES CONTROL JOINT. FOR SLAB-ON-GRADE CONSTRUCTION AND CONTROL JOINT SPACING CRITERIA AND DETAILS, SEE TYPICAL DETAIL ON SHEET SD-S-04 THRU SD-S-06. PRIOR TO CONCRETE SHOP DRAWING SUBMITTAL, SUBMIT LOCATION OF CONTROL JOINTS AND CONSTRUCTION JOINTS FOR APPROVAL.
- ALUMINUM OR STAINLESS-STEEL FLOOR PLATE BY EQUIPMENT MFG. COORDINATE EMBED ANGLES WITH BEARING REQUIREMENTS AND THICKNESS W/EQUIP MFG. CONTRACTOR SHALL INSTALL ANY ADDITIONAL FRAMING MEMBER OR ANCILLARY ITEMS, SUPPLIED BY THE MFG, TO SUPPORT THE FLOOR PLATES.
- COORDINATE SIZE, DEPTH, AND LOCATION OF EQUIPMENT/CONDUCTOR TRENCH WITH EQUIPMENT MFG
- PROVIDE ALUMINUM GUARD RAILING, W/TOE BOARD, BETWEEN WALL WALKING SURFACES AND CHANNELS. PROVIDE A 4" GAP BETWEEN EXISTING AND NEW GUARDRAIL SYSTEMS.
- DO NOT APPLY COATING SYSTEM ON GREEN CONCRETE UNLESS APPROVED BY COATING MFG. VERIFY MINIMUM STRENGTH AND CONCRETE MOISTURE CONTENT WITH COATING MFG APPLICATION INSTRUCTION.
- [XXX X] DENOTES FINISHED GRADE AROUND PERIMETER OF BUILDING. COORDINATE FINAL FINISH GRADE ELEVATIONS WITH CIVIL DWG'S
- CONTRACTOR SHALL VERIFY THE LIMITS AND MATERIAL OF EXISTING GUARDRAIL.

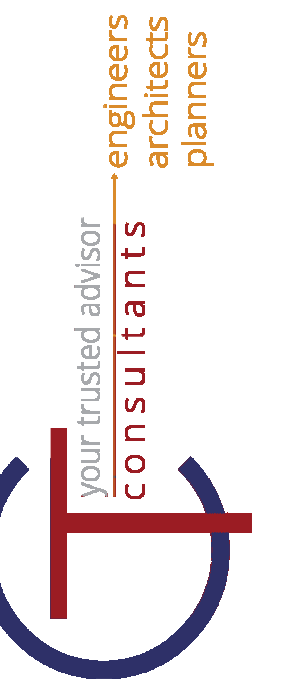
SLAB PLAN LEGEND

- INDICATES 6" CONCRETE SLAB ON CLSM FILL.
- INDICATES 8" THICK STRUCTURAL SLAB.
- INDICATES 12" CONCRETE SLAB ON CLSM FILL.

60S-02 PLAN CODED NOTES

- UV BASIN WALL
- EXISTING CHANNEL WALL
- EXISTING CONCRETE SLAB
- EXISTING CONCRETE POST AND GUIDES
- 10" CONCRETE WALL
- CONCRETE FILL (CLSM)
- STRUCTURAL SLAB SPAN DIRECTION
- SLAB
- ALUMINUM GRATING, 1 1/4" X 3/16" 19AS4 SWAGGED SERRATED
- FLOOR PLATE BY EQUIPMENT MFG. COORDINATE GRATING LOCATION W/FLOOR PLATE LOCATION.
- THICKEN SLAB TO PROVIDE FULL BEARING FOR SLAB
- CS8X5-79 ALUM ASSOCIATION STD CHANNEL
- FORM AND CAST NEW WEIR, T/WEIR ELEVATION 577.28'. VERIFY
- RE-ENTRY REINFORCING, TYPICAL AT ALL RE-ENTRY CORNERS, SEE STANDARD SHEET SD-S-04
- GRATING EMBED ANGLE. SEE STANDARD DETAIL SHEET SD-S-07
- FLOOR PLATE EMBED ANGLE. SEE STANDARD DETAIL SHEET SD-S-08
- 8" DEEP EQUIPMENT/CONDUCTOR TRENCH, COORDINATE WITH MFG
- WEEP HOLE, (2)-3" DIA. SCH 40 PVC PIPE. PLACE IN 8" WALL WITH PIPE INVERT FLUSH WITH EQUIPMENT/CONDUCTOR TRENCH. LOCATE AT SOUTH END AND A MID POINT ALONG THE WALL
- PROVIDE DOWEL AT INTERSECTION. SEE PLAN NOTE #6
- APPROXIMATE LIMITS OF NEW ALUMINIUM GUARDRAIL

PRELIMINARY
SHEET ISSUED: 01/09/24



DATE	REVISION
08/23/24	0 REVISED NOTES & DETAILS

ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
WWTP NFA IMPROVEMENTS	1/4" = 1'-0"	1/4" = 1'-0"	BAS	BAS	Checker

WWTP NFA IMPROVEMENTS
CITY OF CONNEAUT
1206 BROAD STREET, CONNEAUT, OHIO 44030
UV DISINFECTION BASIN - 60 SERIES

PROJECT NO.	231837
DISCIPLINE	STRUCTURAL
SHEET NAME	60S-02
SHEET	OF
	165