

THIS DETAIL IS NOT INTENDED TO ENCOMPASS ALL CONSTRUCTION DETAILS FOR LIFT STATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REFER TO ALL OF TOHO'S LIFT STATION DETAILS AS WELL AS TOHO'S STANDARDS AND SPECIFICATIONS MANUAL.

4" OF NO. 57 STONE OR CLEANED CRUSHED CONCRETE OVER GEOTEXTILE FABRIC WITHIN FENCE.

A SITE SPECIFIC PLAN IS REQUIRED THAT IDENTIFIES THE LOCATION OF THE DRIVEWAY, ACCESS ROADS, AND ALL OTHER RELEVANT SITE FEATURES. LAYOUT MUST INCLUDE ALL PIPING, AND LOCATIONS FOR THE PANEL RACK, ANTENNA, WATER SERVICE, AND GROUND TEST BOX. SITE GRADING SHALL SHOW DRAINAGE AWAY FROM THE WELL AND SLAB WITH ELEVATIONS PROVIDED AT THE WELL, WELL, SLAB CORNERS, AND FENCE CORNERS.

DRIVE-THRU FOR STATIONS LOCATED ON ROADS WITH > 25MPH POSTED SPEED LIMIT (DASHED) SEE GENERAL SITE NOTES 4.5.6

TWO (2) CONDUITS FOR PUMP CABLES TO ENTER THE WETWELL 18" FROM THE BOTTOM OF THE TOP SLAB.

INDIVIDUAL CONDUITS FROM FLOW METER TO DISPLAY/TRANSMITTER AND FROM PRESSURE TRANSMITTER TO RTU

FT RTU MD B M JD
 UB UB UB CONTROL PANEL
 RUBBER MAT TO BE .36" x WIDTH OF THE CONTROL PANEL

SINGLE CONDUIT FOR LEVEL CONTROL TO ENTER THE WETWELL 18" FROM THE BOTTOM OF THE TOP SLAB

6"x36" RACK WIDTH FIBER REINFORCED CONCRETE PAD

6" MIN. FROM FRONT OF CONTROL PANEL TO OUTSIDE EDGE OF WETWELL

SEE LIFT STATION DETAIL TOHO-31.0 AND SITE SPECIFIC LIFT STATION PLAN FOR PIPE LAYOUT AND ORIENTATION

EQUAL TO DEPTH OF WETWELL 15" MIN. w/o ODOR CONTROL 20" MIN. IF ODOR CONTROL REQ'D (TYP. ALL SIDES)

1/2" EXP. JT.

TURN-AROUND FOR STATIONS LOCATED ON ROADS WITH > 25MPH POSTED SPEED LIMIT (DASHED) SEE GENERAL SITE NOTES 4.5.6

14' DRIVEWAY W/ MINIMUM 3" FLARE

6" CONCRETE (3,500 PSI TYPE 2 CEMENT) REINFORCED W/ 6X6 W2.9/2.9 WELDED WIRE FABRIC TO ASSHTO H-20 TRAFFIC LOADING. STABILIZE BASE TO MIN. 12"

2 - 8' SWING GATES

2/0 TINNED COPPER GROUNDING LOOP

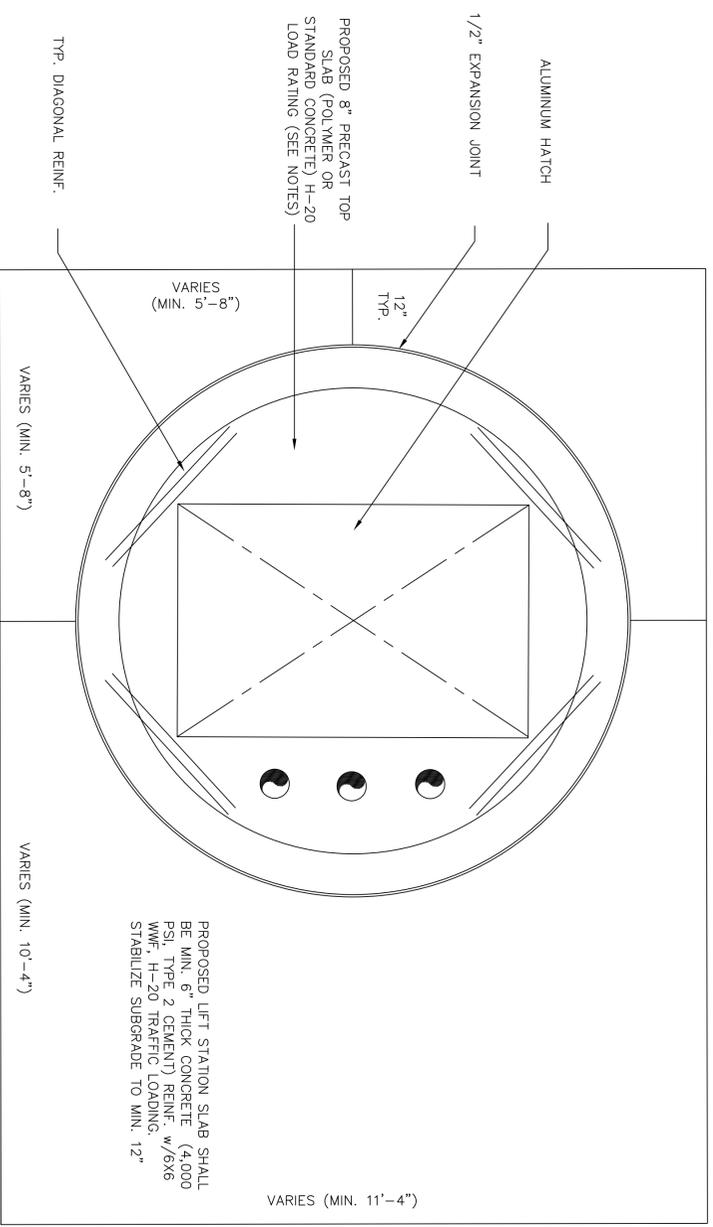
WATER OUTLET (SEE DETAIL TOHO-31.2)

TOHO APPROVED PROTECTIVE CAGE/BOX OVER BFP ASSEMBLY

GROUND TEST ENCLOSURE

WATER METER SEE DETAIL TOHO-02.0

6" HIGH BLACK VINYL COATED CHAIN LINK FENCE W/ 3 STRANDS OF BARBED WIRE



TYPICAL LIFT STATION SLAB DETAIL NOT TO SCALE

LIFT STATION SLAB NOTES:

1. SAWCUT 2" DEEP JOINT AS SHOWN. SAW CUTTING TO BE PERFORMED IMMEDIATELY AFTER PLACEMENT, AS SOON AS CONCRETE IS FIRM ENOUGH TO SUPPORT THE SAW AND NOT BE TORN OR DAMAGED BY THE BLADE.
2. PROVIDE SAWCUTS EVERY 12' IN LENGTH AND WIDTH OF ACCESS DRIVEWAY AND LIFT STATION SLAB AS SHOWN.
3. SEE CIVIL DRAWINGS FOR SLAB LOCATION AND DIMENSIONS.
4. TOP SLAB SHALL BE POLYMER OR STANDARD CONCRETE. ALL OTHER WET WELL CONCRETE SECTIONS SHALL BE POLYMER ONLY.

HATCH NOTES:

1. ALUMINUM ACCESS HATCH SHALL BE HALLIDAY SERIES W2S OR APPROVED EQUAL WITH ALUMINUM FALL PROTECTION GRATING.
2. HATCH SHALL INCLUDE SLAMLOCK, SPRING ASSIST AND EPDM GASKET CUSHION.
3. LIFT HANDLE SHALL BE LOCATED OPPOSITE OF ABOVE GROUND PIPING AND HATCH SHALL OPEN TOWARDS PIPING.

GENERAL SITE NOTES:

1. YARD PIPING PLAN IS A GENERIC PLAN SHOWING REQUIRED PIPING AND MINIMUM CLEARANCES, SEPARATIONS, AND SITE SIZING REQUIREMENTS
2. A LAYOUT DEVIATING FROM THIS DETAIL SHALL BE DRAWN TO SCALE AND SHOW WETWELL, PUMPS AND INFLUENT AND EFFLUENT PIPING TO ENSURE SUFFICIENT SPACE WITHIN THE WETWELL TO ACCOMMODATE ALL MECHANICAL EQUIPMENT AND PIPING
3. ELECTRICAL TRANSFORMERS MUST BE LOCATED OUTSIDE OF THE FENCED AREA
4. PROPOSED 14' DRIVEWAY W/ MINIMUM 3" FLARE MUST EXTEND TO A PAVED PUBLIC OR PRIVATE ROADWAY
5. LIFT STATION SITES LOCATED ON ROADS WITH POSTED SPEED LIMITS OF 25MPH OR GREATER REQUIRE DRIVE-THRU OR TURNAROUND ACCESS. ENGINEER SHALL PROVIDE A TRANSPOET AUTO-TURN OR AUTODESK VEHICLE TRACKING ANALYSIS FOR A COMBINATION SEWER CLEANING VACTOR TRUCK



EFFECTIVE DATE:	04/01/2025
BOARD APPROVED DATE:	01/22/2025
PREVIOUS VERSION:	2022
DRAWN BY:	MP
REVISED BY:	DT

MISCELLANEOUS LIFT STATION DETAILS - I

YARD PLAN NOT TO SCALE