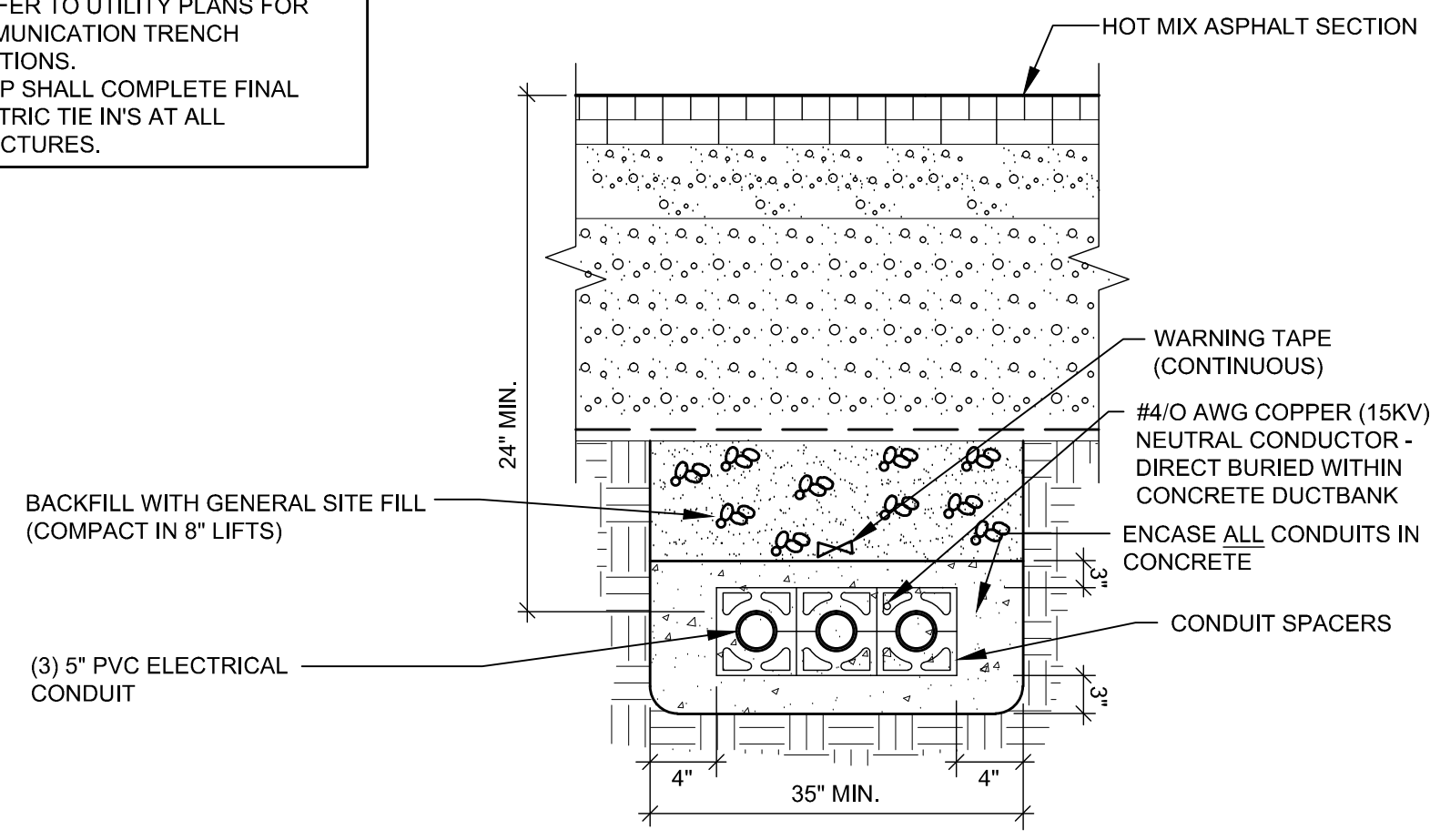
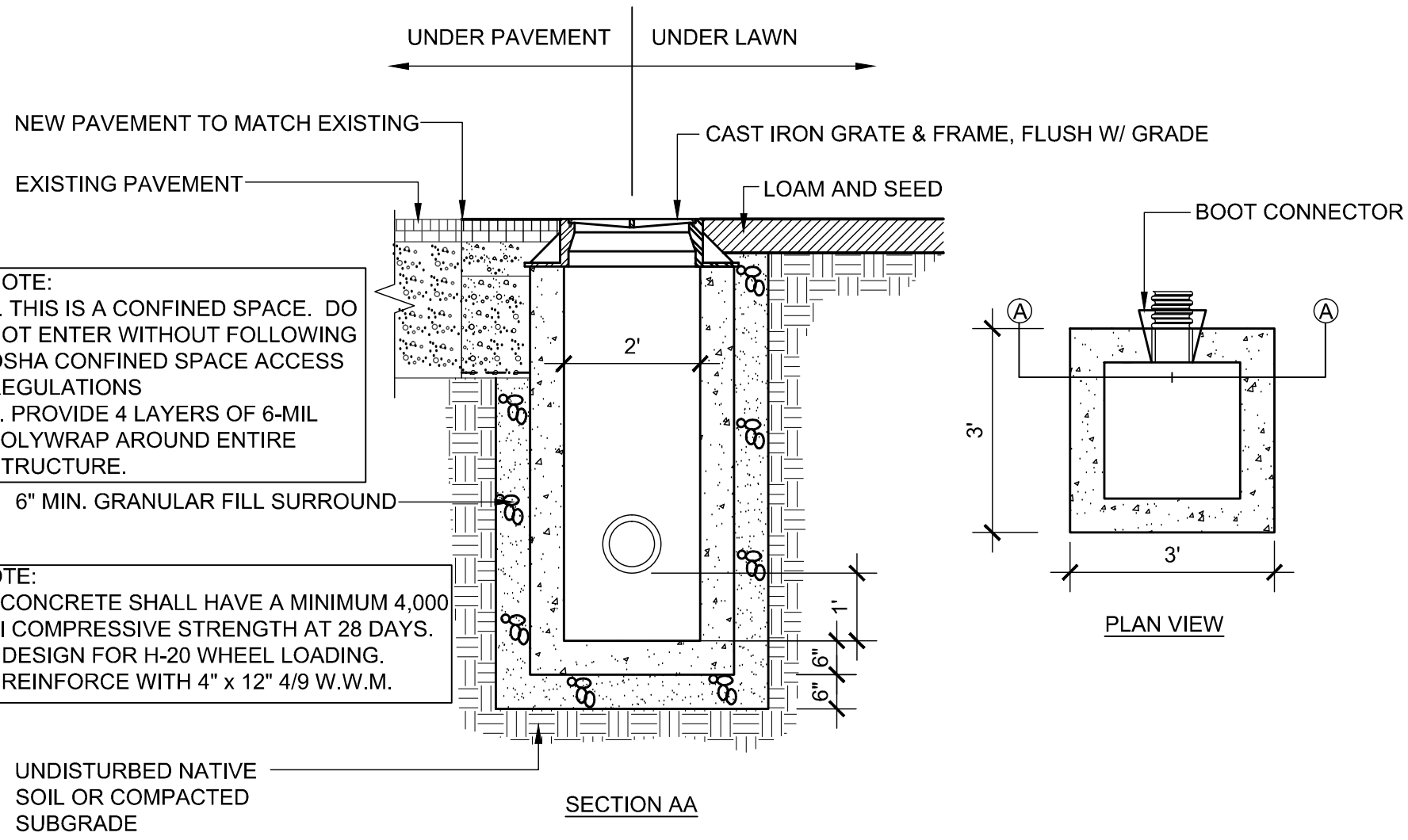


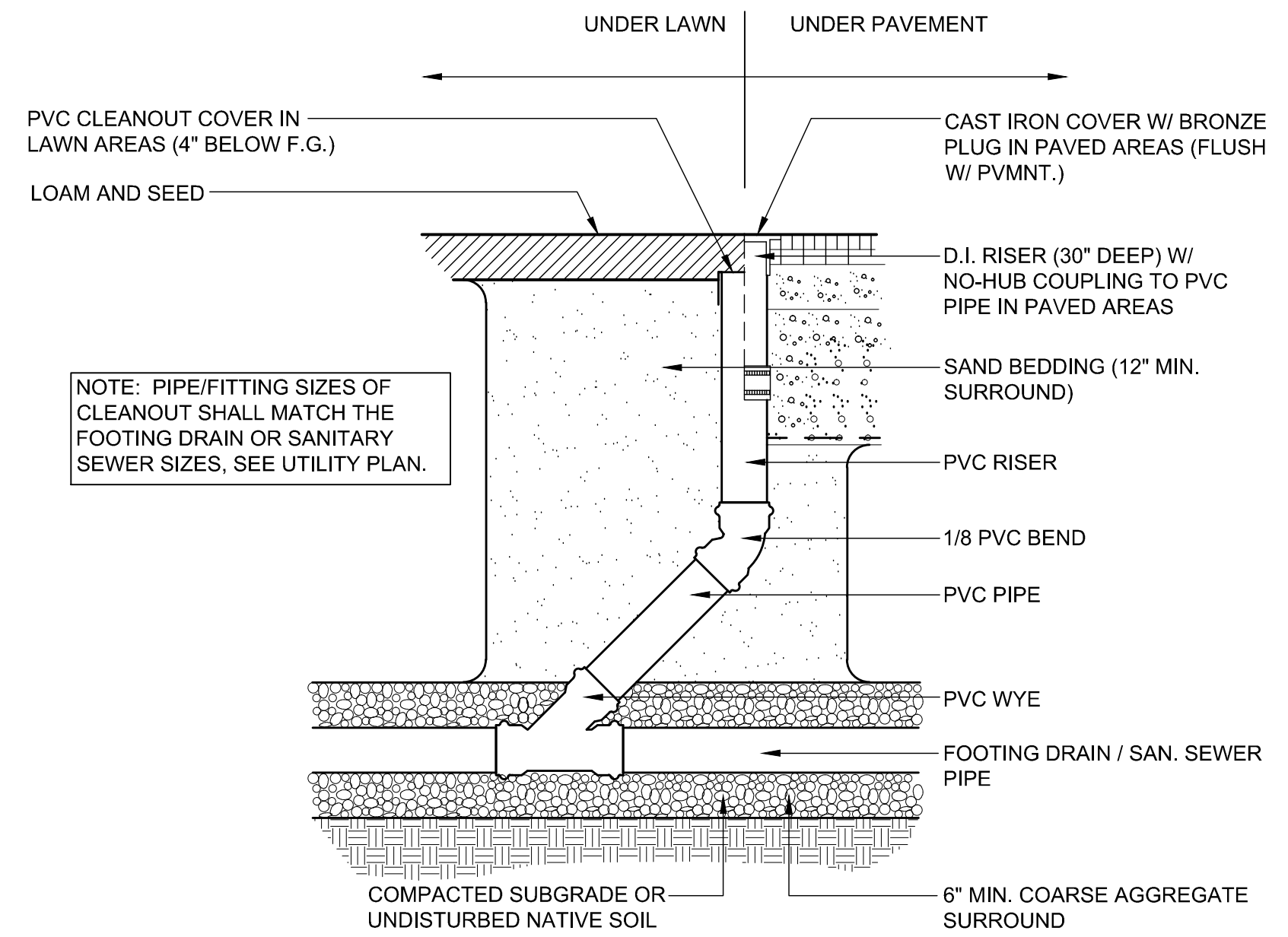
NOTE
 1. ALL CONDUIT TO BE SCH. 40 PVC
 2. PROVIDE PULL WIRE IN ALL CONDUITS.
 3. REFER TO UTILITY PLANS FOR COMMUNICATION TRENCH LOCATIONS.
 4. CMP SHALL COMPLETE FINAL ELECTRIC TIE IN'S AT ALL STRUCTURES.



J1 NEW UNDERGROUND PRIMARY ELECTRICAL TRENCH

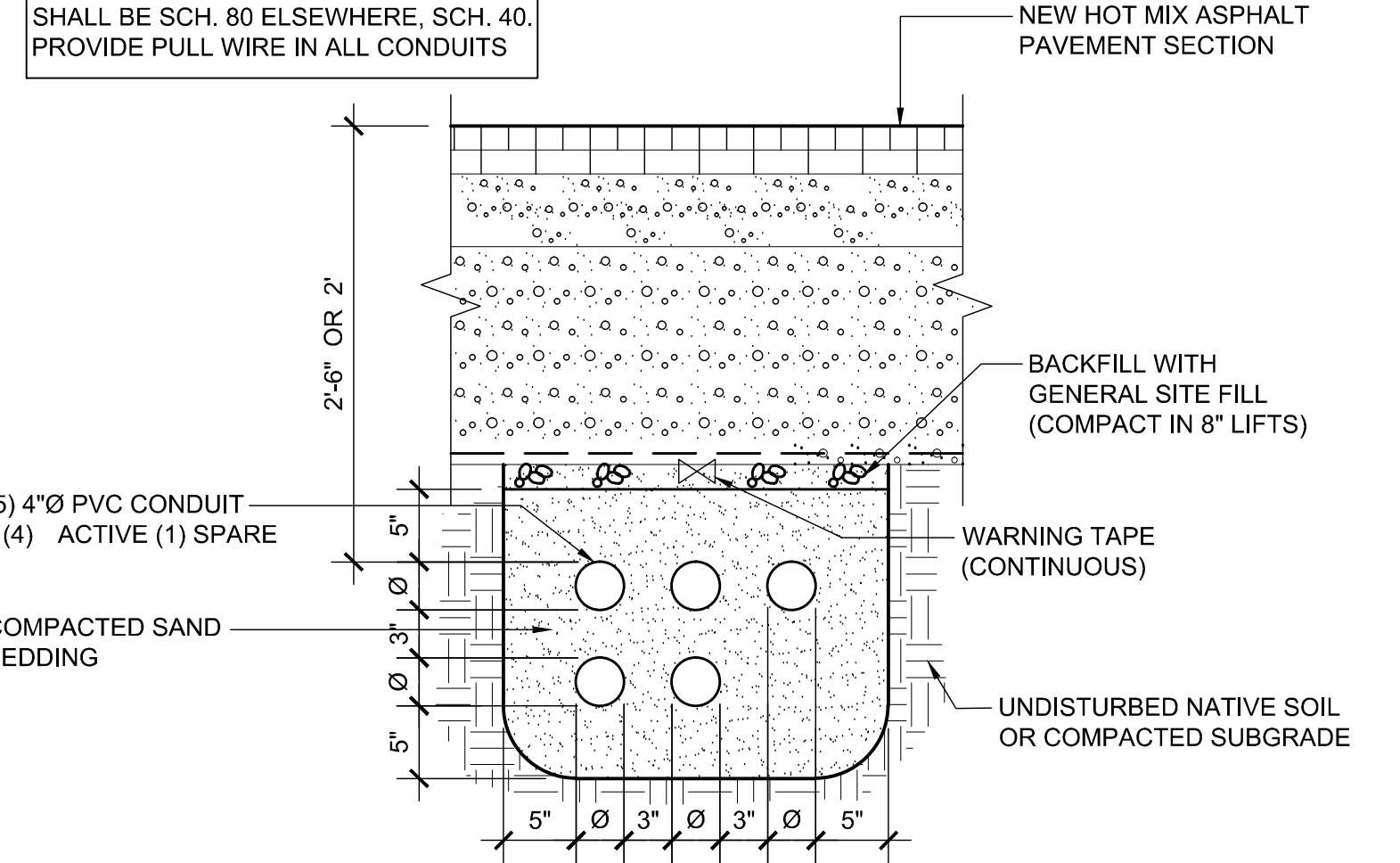


J5 NEW PRECAST 'TYPE F' CATCH BASIN

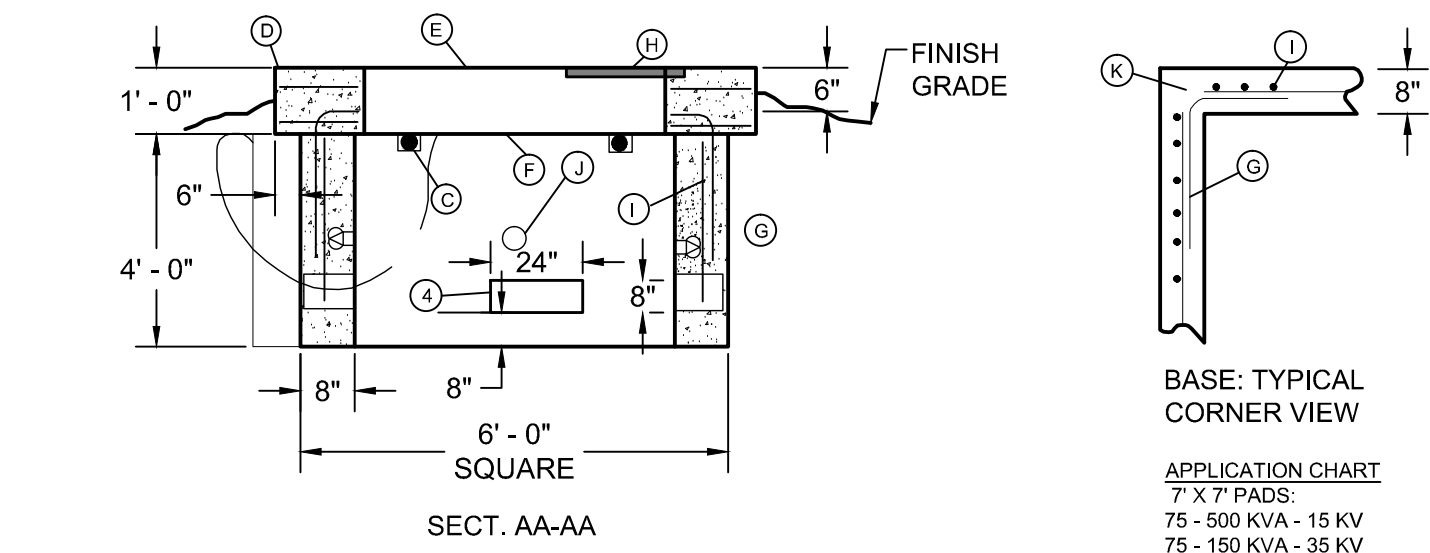
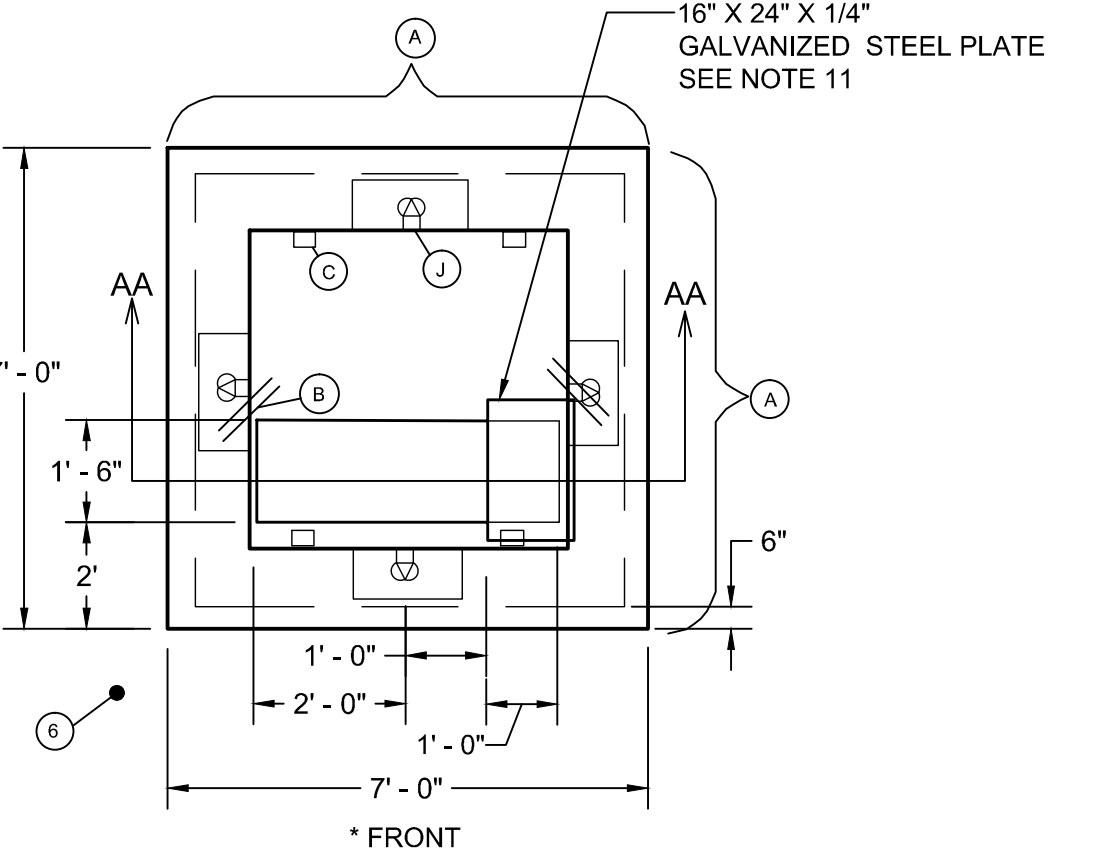


J11 NEW CLEANOUT

NOTE:
 UNDER AREAS TO BE PAVED, CONDUIT SHALL BE SCH. 80 ELSEWHERE, SCH. 40, PROVIDE PULL WIRE IN ALL CONDUITS

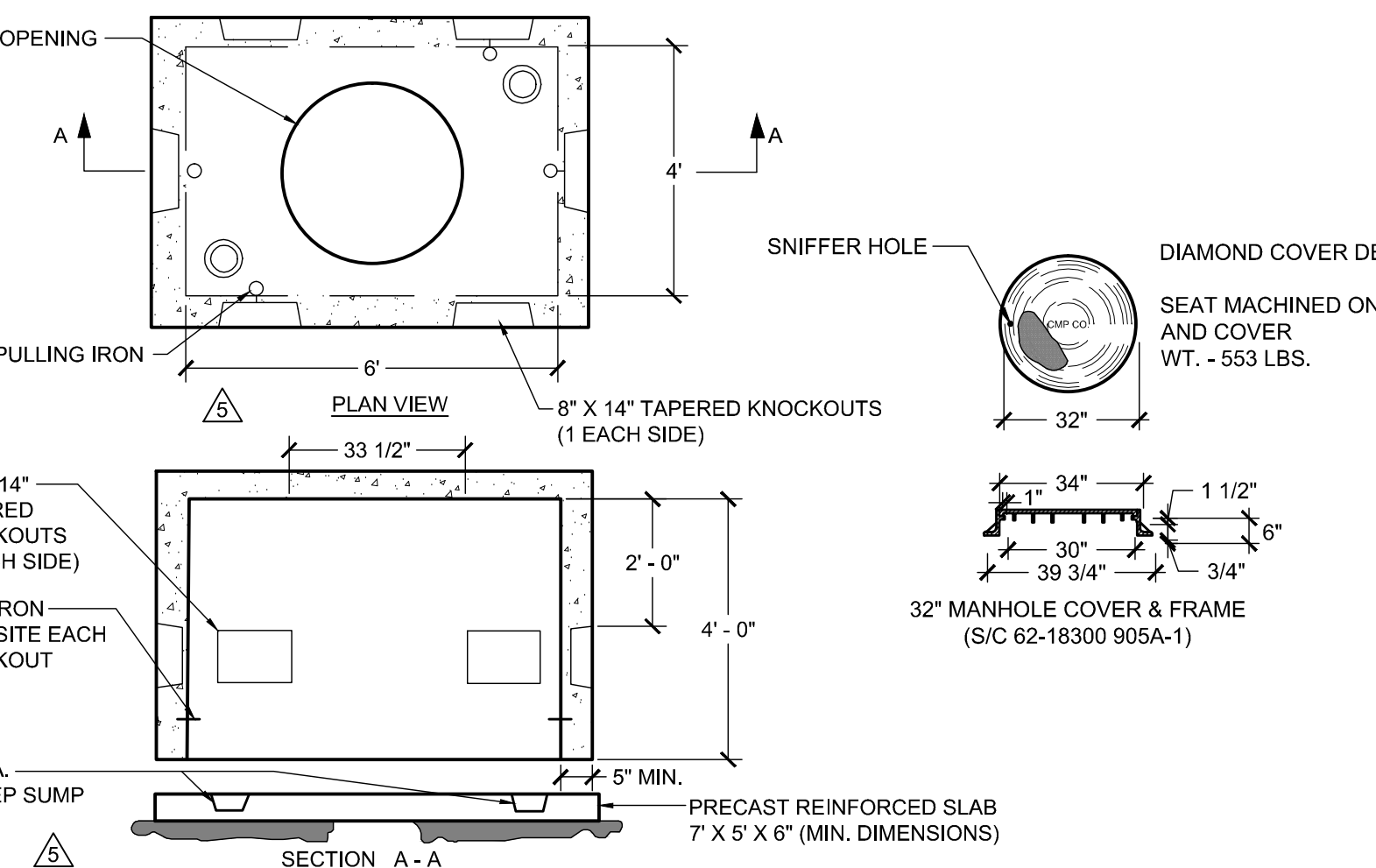


E1 NEW UNDERGROUND SECONDARY ELECTRICAL TRENCH



A5 NEW 7' X 7' PRE-CAST CONC. TRANSFORMER PAD

- NOTES:
- *FRONT DENOTES THE SIDE ON WHICH THE ACCESS DOORS ARE LOCATED. THE CONCRETE BASE SHALL BE SET ON A SUITABLE GRAVEL BASE AND LOCATED SO THE FRONT IS ACCESSIBLE BY TRUCK AND SUITABLY PROTECTED FROM FLOW AND TRAFFIC DAMAGE.
 - BEFORE INSTALLING OR REQUIRING ANY ACTIVE DRAINAGE STRUCTURE (E.G., DRAIN PIPE) INTO THE FOUNDATION OR PAD, THE CONTRACTOR, CMP LINE SUPERVISOR, OR CMP DISTRIBUTION ENGINEER MUST CONTACT CENTRAL MAINE POWER COMPANY'S ENVIRONMENTAL SERVICES DEPARTMENT AT 623-3521 EXT. 3479 TO REQUEST A SITE INSPECTION.
 - FINISH GRADE SHALL BE GRADED IN SUCH MANNER TO ALLOW SURFACE WATER TO FLOW AWAY FROM THE PAD.
 - PROVIDE 8" X 24" CABLE HOLES (BOND OUTS) 8" UP THE WALL FROM THE BASE. LOCATE ONE CABLE HOLE PER WALL, MORE IF NECESSARY. LINE UP CABLE HOLE WITH TRENCH.
 - CONDUITS ENTERING CONCRETE STRUCTURES SHALL BE SET BACK FROM THE INSIDE WALL 1 TO 2 INCHES AND THE SPACE WITHIN THE KNOCKOUT SURROUNDING THE CONDUITS COMPLETELY FILLED WITH MORTAR TO PREVENT SOIL FROM ENTERING STRUCTURE. INSIDE THE STRUCTURE THE MORTAR SHALL BE FINISHED AND BEVELED FROM THE CONDUIT ENDS TO THE INSIDE WALL FACE TO COVER AND SMOOTH THE EDGES OF THE KNOCKOUTS.
 - A 3/4" X 8" GALVANIZED GROUND ROD IS TO BE INSTALLED SIX INCHES IN FRONT OF THE LEFT FRONT CORNER OF THE FOUNDATION. THE TOP OF THE GROUND IS TO BE 6 INCHES BELOW FINAL GRADE.
 - A GROUND WIRE SHALL BE INSTALLED FROM THE GROUND ROD THROUGH THE CABLE HOLE AT THE BOTTOM OF THE PAD. 10 FEET OF GROUND WIRE SHALL BE PROVIDED SO THAT IT CAN BE INSTALLED THROUGH THE TWO GROUNDING LUGS AND CONNECTED TO THE NEUTRAL SPADE.
 - CONCRETE COMPRESSIVE STRENGTH SHALL BE 4000 PSI @ 28 DAYS. FOR CAST-IN-PLACE EARLY HIGH STRENGTH MAY BE USED WITH A MINIMUM OF SEVEN DAY CURE TIME.
 - REINFORCING STEEL TO HAVE: F_y = 60 KSI.
 - FOR PRECAST UNITS: THE PRECAST SUPPLIER SHALL PROVIDE LIFTING LUGS IN THE SLAB (FOUNDATION) AND BASE; THE PRECAST SUPPLIER SHALL ASSEMBLE THE SLAB TO THE BASE PRIOR TO SHIPPING TO THE SITE TO ENSURE THAT THE SLAB AND BASE FIT PROPERLY (WITH NO ROCKING OF THE SLAB EVIDENT).
 - A 16" X 24" X 1/4" GALVANIZED STEEL PLATE TO COVER A PORTION OF THE CABLE HOLE WHEN THE TRANSFORMER DOES NOT COMPLETELY COVER IT. CUT THE STEEL PLATE TO FIT, IF NECESSARY.
 - A. 7 - #5 REBAR EVENLY SPACED EACH WAY TOP TO BOTTOM.
 - B. 2 - #4 CORNER DIAGONAL REBAR 2' - 0" LONG TOP AND BOTTOM.
 - C. 4" X 4" X 1/2" ANGLE 6" LONG WITH 2-3/4" DIAMETER EXPANSION ANCHORS TYPICAL - 4 PLACES (TWO PIECE PRECAST ONLY).
 - D. CHAMFER TYPICAL
 - E. 2" CONCRETE COVER OVER TOP REBAR.
 - F. 3" CONCRETE COVER OVER BOTTOM REBAR.
 - G. #5 L-BAR @ 12" (CAST-IN-PLACE ONLY)
 - H. 16" X 24" X 1/4" GALVANIZED STEEL PLATE. MID #6000621790
 - I. #5 REBAR ON 12" CENTERS.
 - J. PULLING EYE INSERT, FOR USE WITH 3/4" NATIONAL COURSE THREAD EYE-BOLT, (RICHMOND LCB-1 OR EQUIVALENT). LOCATED OPPOSITE EACH CABLE HOLE AND 2' (TWO FEET) FROM THE BOTTOM.
 - K. ALL REBAR ENDS TO BE COVERED BY 1" OF CONCRETE MINIMUM.



A1 NEW 4' X 6' PRE-CAST CONC. PULL BOX

0	ISSUED FOR BID	6 JUNE 2016
REV.	DESCRIPTION	DATE

WBRC
 ARCHITECTS • ENGINEERS
 WWW.WBRC.COM
 BANGOR, MAINE 207-947-4511
 PORTLAND, MAINE 207-628-4311
 SARASOTA, FLORIDA 941-377-3333

ASYLUM

PROJECT: PORTLAND, MAINE

SITE DETAILS

SHEET TITLE: 407110-C501.DWG
 WBRC CAD FILE: 4071.10 GRAPHIC SCALE: 0" = 1"
 PROJECT No. 4071.10 NO SCALE
 SCALE: NO SCALE
 P/E: JRB SHEET No. C504
 DRAWN BY: TAR
 A/E OF RECORD: JSK

Jun 06, 2016 - 11:58am
 T:\02 Projects - Maine\4001-4004\07110 Asylum Expansion & Renovation 5D-CAD Design\Drawings\407110-C501.dwg tabbyrjchard