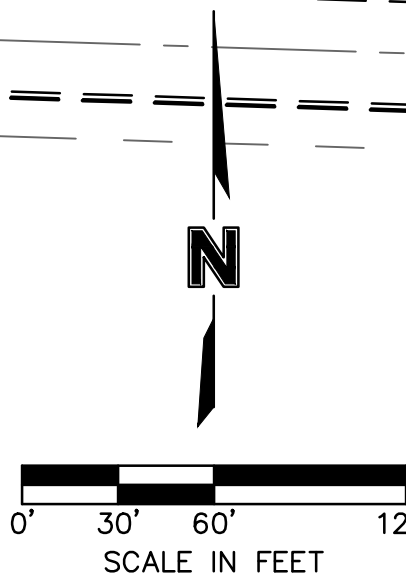
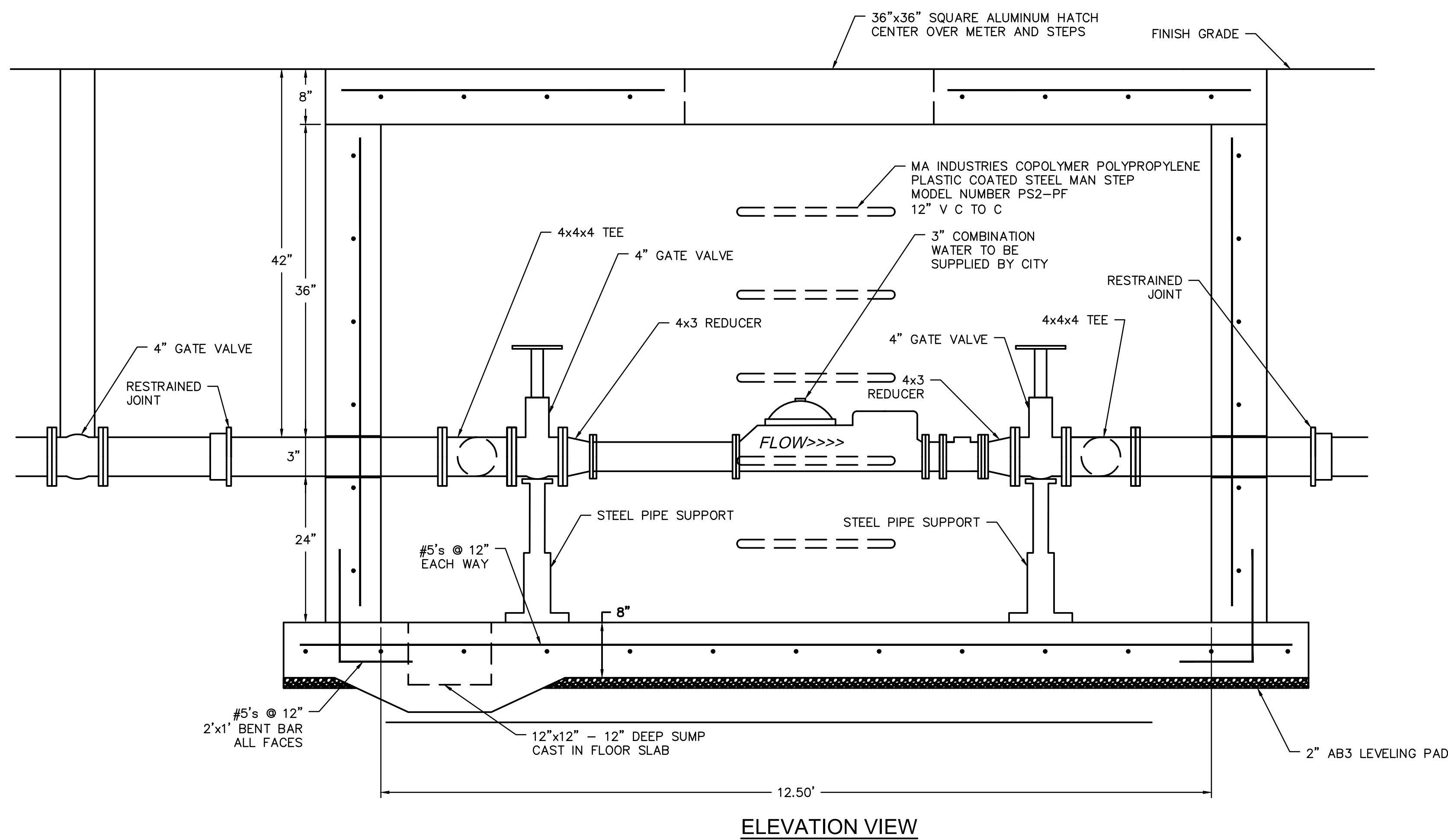
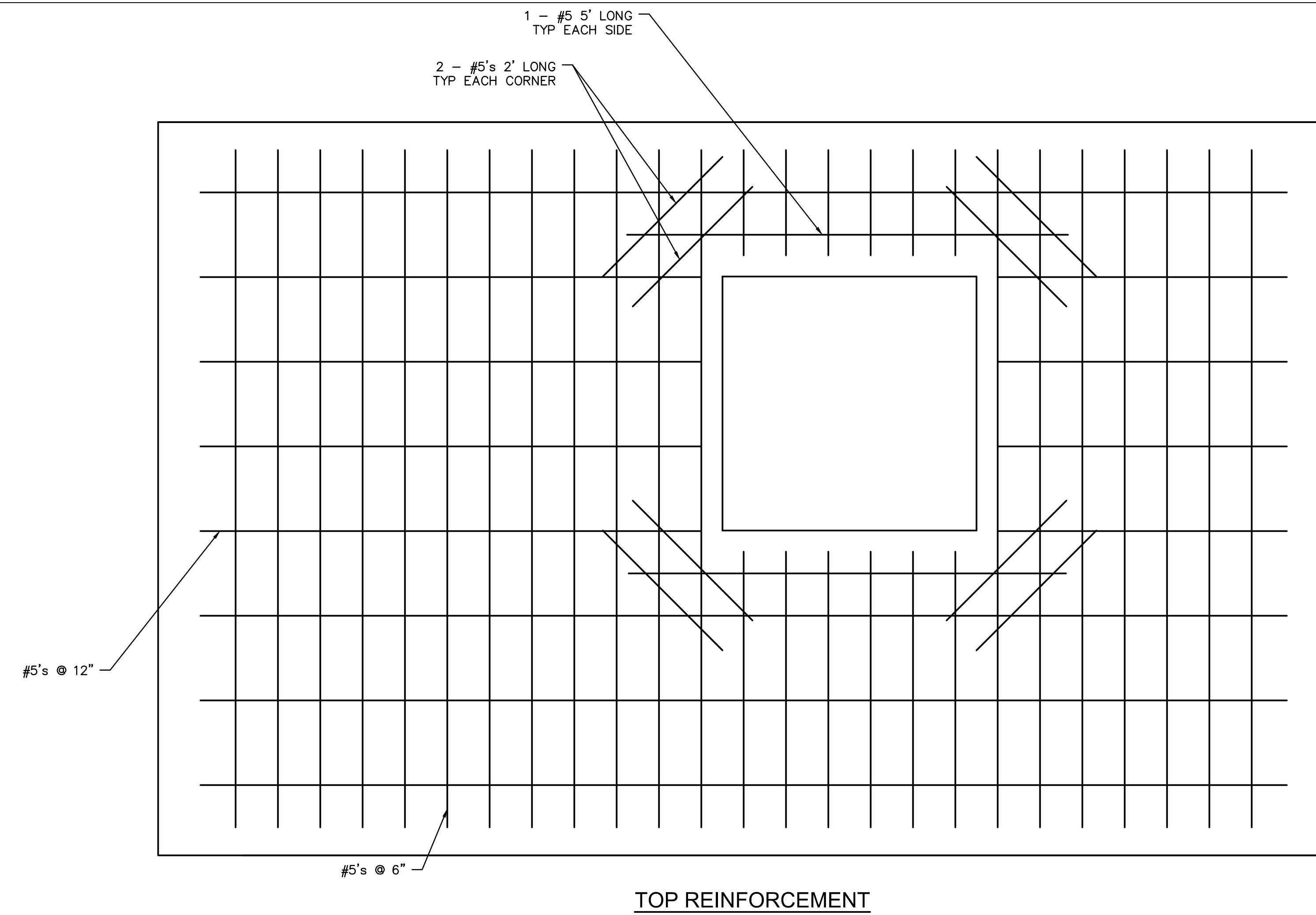
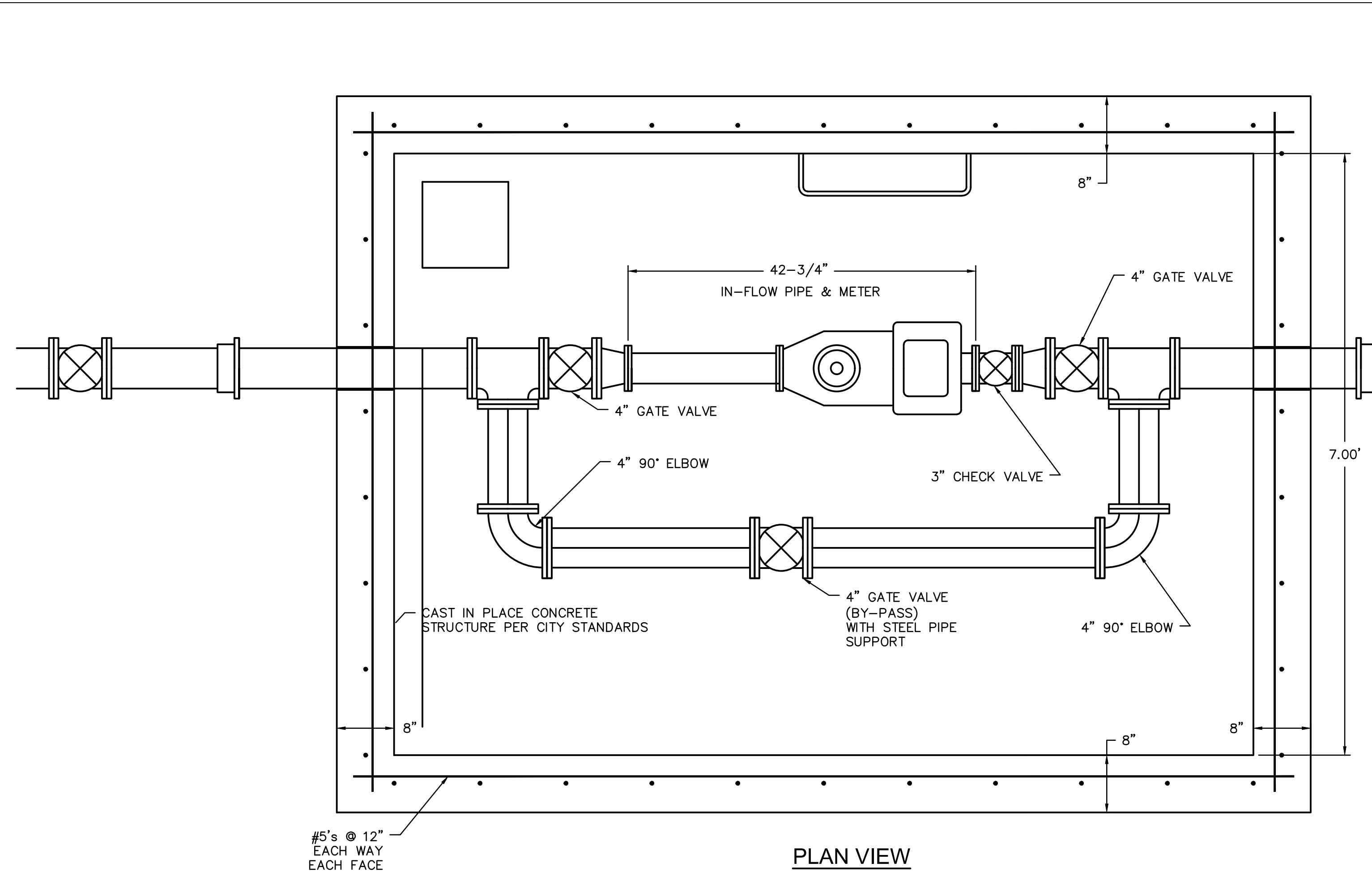


EAST TRAILS MIDDLE SCHOOL - PRECAST 3" METER VAULT CONSTRUCTION DRAWING REVISIONS
RESPONSE TO CITY COMMENTS
FEBRUARY 7, 2022

#	CITY COMMENT (2-4-2022 EMAIL FROM GENE WILLIAMS)	OLSSON RESPONSE
1	In the future, the City shall not review revisions that are unsealed and unsigned, unless they are specifically labeled as "Preliminary Not for Construction".	Understood.
2	Please review the approved 3 inch meter vault (attached) on Sheet C1050 of the approved Final Development Plan. Not sure what has changed, since this item underwent extensive review in 2020, including the requirement that a hatch and steps be provided.	A new sheet has been added to the set. The sheet is C1050A. The details for the water meter vault have been moved to this sheet. A new view has been added to show the rebar in the top of the vault. Rebar details have also been added to the sections per the detail uploaded to the portal on 01-29-2022. The meter vault detail has been removed from C1050.
3	The 3 foot callout from the bottom of the top slab to the centerline of the pipe appears somewhat questionable. Is this sufficient clearance for all appurtenances within the vault including the meter and valves?	The plumber on the project indicates this is sufficient clearance. If the city has other information please, their input would be appreciated. The 36" dimension plus the 8" lid thickness give 44" of depth over the pipe from finish grade.
4	Since this is cast in place, where is the leveling mat? A granular leveling mat appears warranted rather than bare earth foundation.	The detail on Sheet C1050A has been revised to include a 2" AB-3 leveling layer under the vault slab.
5	Sump has no mechanism to drain. In a similar fashion to backflow vaults, provide the method to drain the meter vault either by daylighting, connection to a private storm inlet or box, or infiltration gallery. Provide notation on the revision showing how this will be accomplished, and revise the utility plan sheet to reflect the change as appropriate.	A sump has been added to the detail on the new Sheet C1050A. Sheet C1027 has been updated to show a 2" PVC drain connection to this sump (Keynote BD-2). This drain is being wye'd into the drain for the Backflow Preventor Vault.





METER VAULT NOTES

1. POUR FOOTING ON FIRM UNDISTURBED EARTH
2. ALL PIPING IN METER PIT SHALL BE DUCTILE IRON PIPE.
3. WALLS TO BE DOUBLE FORMED
4. ALL REBAR TO 3/4" COVER
5. HATCH TO BE CENTERED DIRECTLY ABOVE METER

WATER METER VAULT DETAIL
NOT TO SCALE

ADDED SHEET C1050A