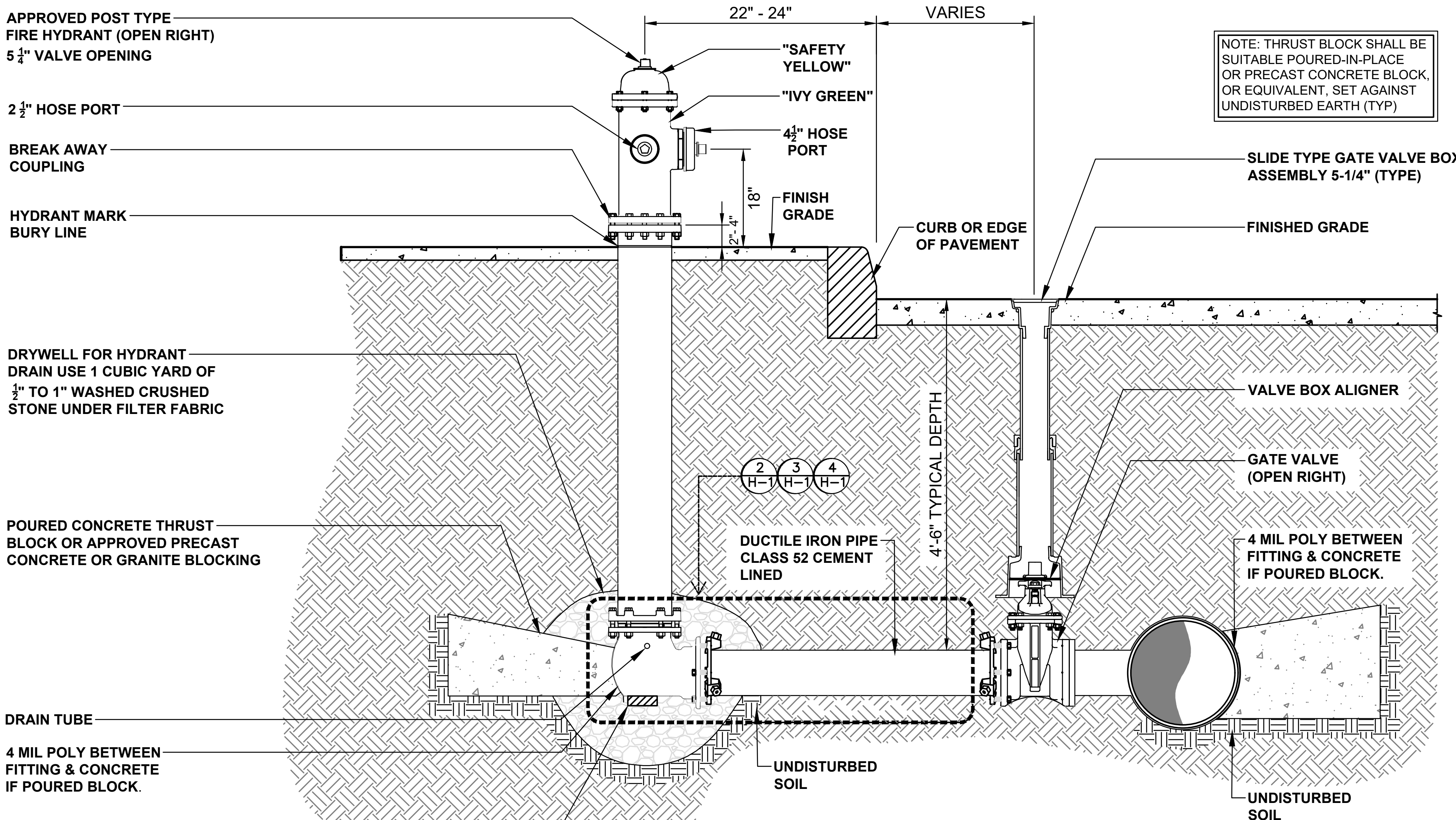
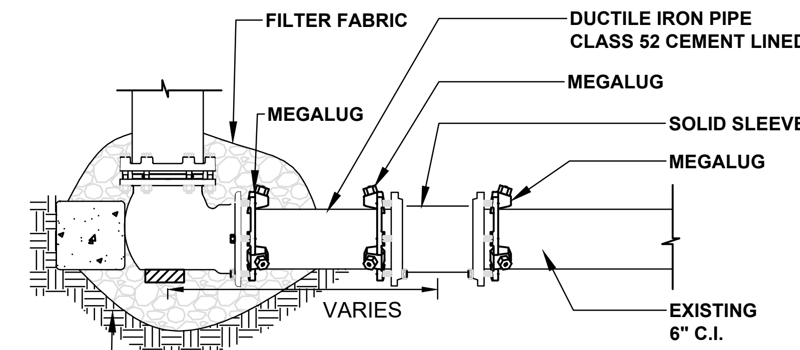
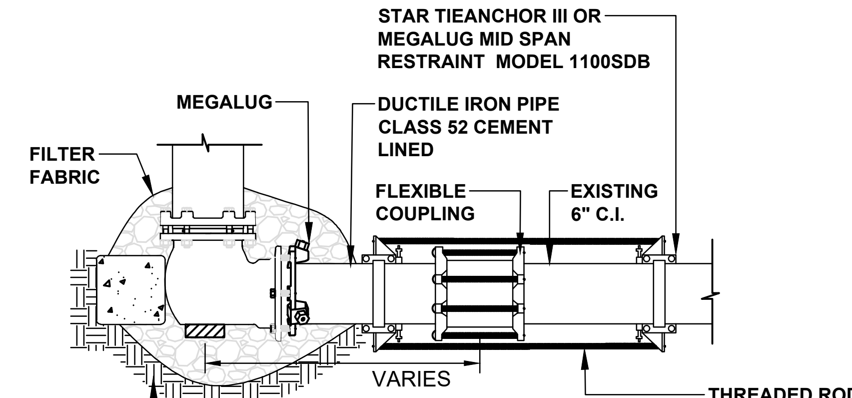


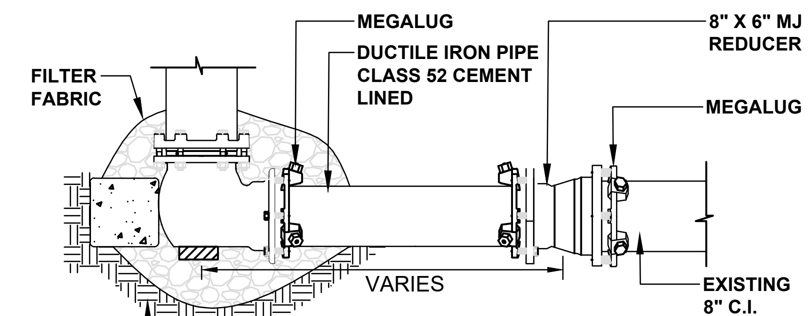
1 H-1 TYPICAL NEW HYDRANT INSTALLATION
NOT TO SCALE



2 H-1 HYD. REPLACEMENT VERSION
NOT TO SCALE



3 H-1 HYD. REPLACEMENT VERSION 2
NOT TO SCALE



4 H-1 HYD. REPLACEMENT VERSION 3
NOT TO SCALE

GENERAL NOTES:

1. OTHER UTILITIES ARE NOT SHOWN. CONTRACTOR SHALL NOTIFY "DIG-SAFE" & PWSB PRIOR TO COMMENCING WORK.
2. NEW WATER PIPE SHALL BE TESTED AND CHLORINATED IN ACCORDANCE WITH PROVIDENCE WATER STANDARDS AND AS DIRECTED BY PROVIDENCE WATER.
3. NEW WATER PIPE SHALL BE CEMENT-LINED DUCTILE IRON PIPE, CLASS 52, CONFORMING TO THE LATEST AWWA STANDARDS.
4. PIPE FITTINGS SHALL BE CEMENT-LINED DUCTILE IRON, CLASS 350, WITH MECHANICAL JOINT ENDS.
5. UNLESS OTHERWISE NOTED, EARTH COVER OVER PIPE SHALL NOT BE LESS THAN 4'-6".
6. GATE VALVES SHALL BE RESILIENT SEAT TYPE WITH MECHANICAL JOINT ENDS AND SHALL OPEN "RIGHT" (CLOCKWISE).
7. METALLIZED, DETECTABLE, IDENTIFICATION TAPE SHALL BE 2" INCHES WIDE, BLUE IN COLOR, AND IMPRINTED WITH THE WORDS "CAUTION - WATER LINE BURIED BELOW", AND SHALL BE INSTALLED OVER ALL MAINS AND HYDRANT RUN-OUTS AT A DEPTH OF 12" INCHES BELOW FINISHED GRADE.
8. UNLESS OTHERWISE NOTED, BREAKAWAY TYPE HYDRANTS, SHALL BE INSTALLED WITH OPERATING NUT POSITIONED 22"-24" INCHES BEHIND FACE OF CURB OR EDGE OF PAVEMENT. THE BREAKAWAY FLANGE SHALL BE SET 2-INCHES TO 4" INCHES ABOVE FINISHED GRADE. HYDRANTS SHALL OPEN "RIGHT" (CLOCKWISE).
9. PROPERLY SIZED CONCRETE THRUST BLOCKS SHALL BE INSTALLED AT CHANGES OF PIPE DIRECTION (TEES, BENDS, ETC) AND/OR DEAD ENDS IN ACCORDANCE WITH PROVIDENCE WATER STANDARDS. FURTHERMORE, MECHANICAL JOINT THRUST RESTRAINTS SHALL BE PLACED ON EACH SIDE OF FITTINGS AND AT PIPE JOINTS TO SUFFICIENTLY RESTRAIN AN ADEQUATE LENGTH OF PIPE AWAY FROM FITTINGS AT 1-1/2 TIMES THE STATIC PRESSURE, OR NOT LESS THAT 150 PSI.

APPROVED HYDRANTS

- KENNEDY GUARDIAN HYDRANT - K81D
- AMERICAN DARLING HYDRANT - B84B BY AMERICAN FLOW CONTROL

HYDRANTS MUST BE "HYDRA-SHIELD CUSTODIAN" READY.

HYDRANT EXTENSION KITS AND TRAFFIC REPAIR KITS MUST BE AVAILABLE FROM THE MANUFACTURER BY THE ORIGINAL HYDRANT MANUFACTURER & CONSIDERED "ORIGINAL EQUIPMENT", SUBSTITUTES ARE NOT ALLOWED.

TYPICAL LOW SERVICE HYDRANT WOULD HAVE A DEPTH OF 5 FEET

TYPICAL HIGH SERVICE HYDRANT WOULD HAVE A DEPTH OF 5 FEET 6 INCHES

NOTE: FOR REPLACEMENT OF EXISTING HYDRANTS THE DEPTH SHOULD BE DETERMINED PRIOR TO INSTALLATION TO ASSURE THAT NEW HYDRANT IS OF PROPER DEPTH

CITY OF PROVIDENCE

PROVIDENCE WATER

H-1
STANDARD
DETAIL

TYPICAL HYDRANT INSTALLATION AND REPLACEMENT DETAIL

PROVIDENCE WATER STANDARD

NO.	DATE	REVISION	APPROVED BY

MDM, ES DRAWN BY	AMP CHECKED BY
NTS SCALE	11/29/23 DATE

DIRECTOR OF ENGINEERING

SHEET
1 OF 1