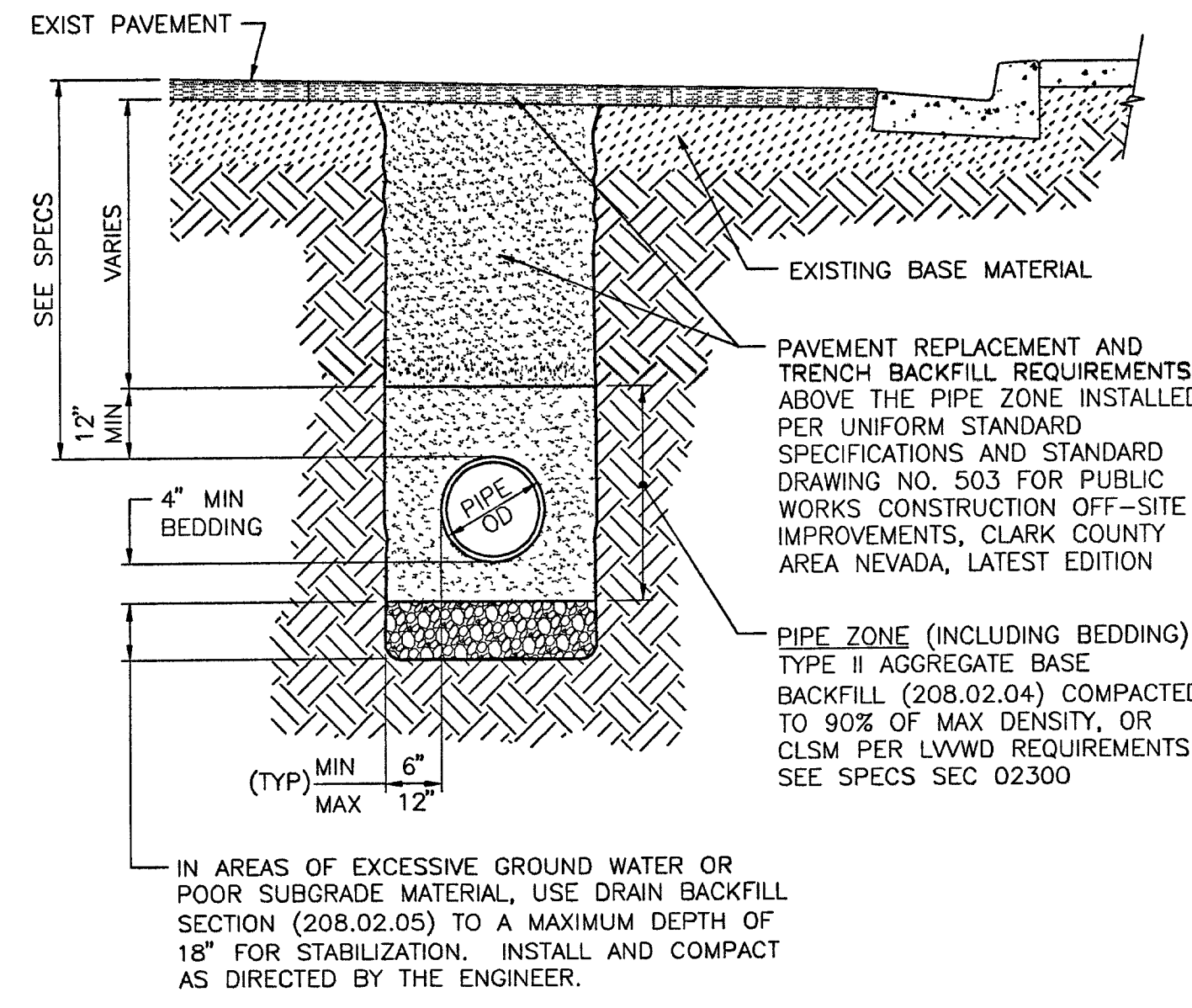


**TRENCH BACKFILL - PAVED AREAS
(STREETS GREATER THAN 60' R/W)**

NOT TO SCALE

1

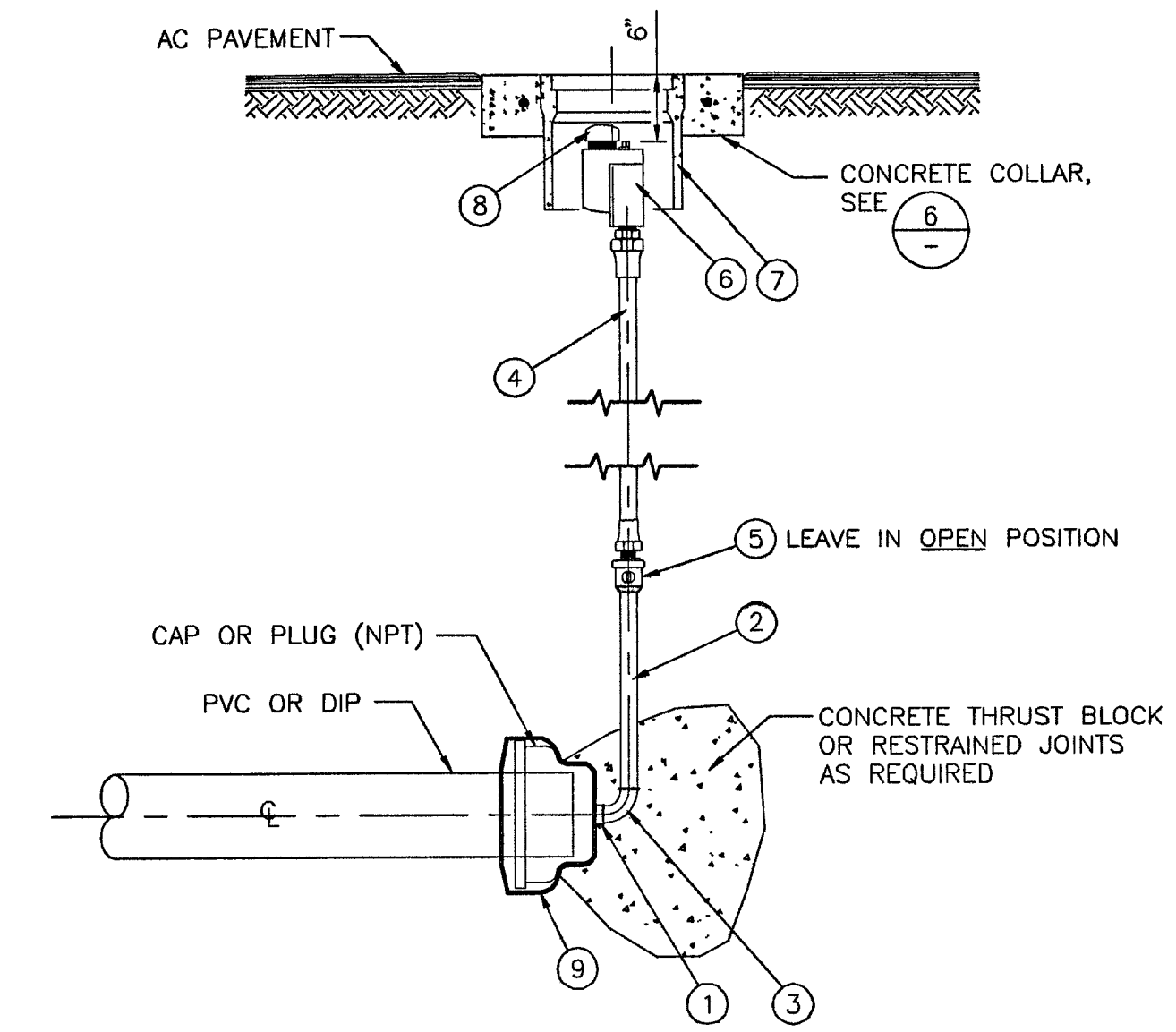


**TRENCH BACKFILL - PAVED AREAS
(STREETS WITH 60' OR LESS R/W)**

NOT TO SCALE

2

- PAVED AND UNPAVED AREA NOTES:**
- REFERENCES:
UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS CLARK COUNTY AREA NEVADA, LATEST EDITION.
INTERAGENCY QUALITY ASSURANCE COMMITTEE (IQAC)
 - SEE SPECS SEC 02300 FOR ACCEPTABLE METHODS OF COMPACTION.
 - TRENCH EXCAVATION: COMPLY WITH THE CURRENT REGULATIONS AS DETERMINED BY NEVADA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.
 - DURING CONSTRUCTION 24" MINIMUM COVER MUST BE MAINTAINED FROM TOP OF PIPE TO GRADE.
 - MINIMUM COVER IS REFERENCED TO FUTURE FINISHED GRADES UNLESS OTHERWISE SHOWN ON PROFILE DRAWINGS.
 - SUPPORT PIPE WITH SANDBAGS AND SPOT LOAD PIPE AS REQUIRED DURING INSTALLATION OF CLSM IN PIPE ZONE AND PIPE BEDDING AREAS.
 - DIAGONAL PAVEMENT REPLACEMENT IS NOT PERMITTED.



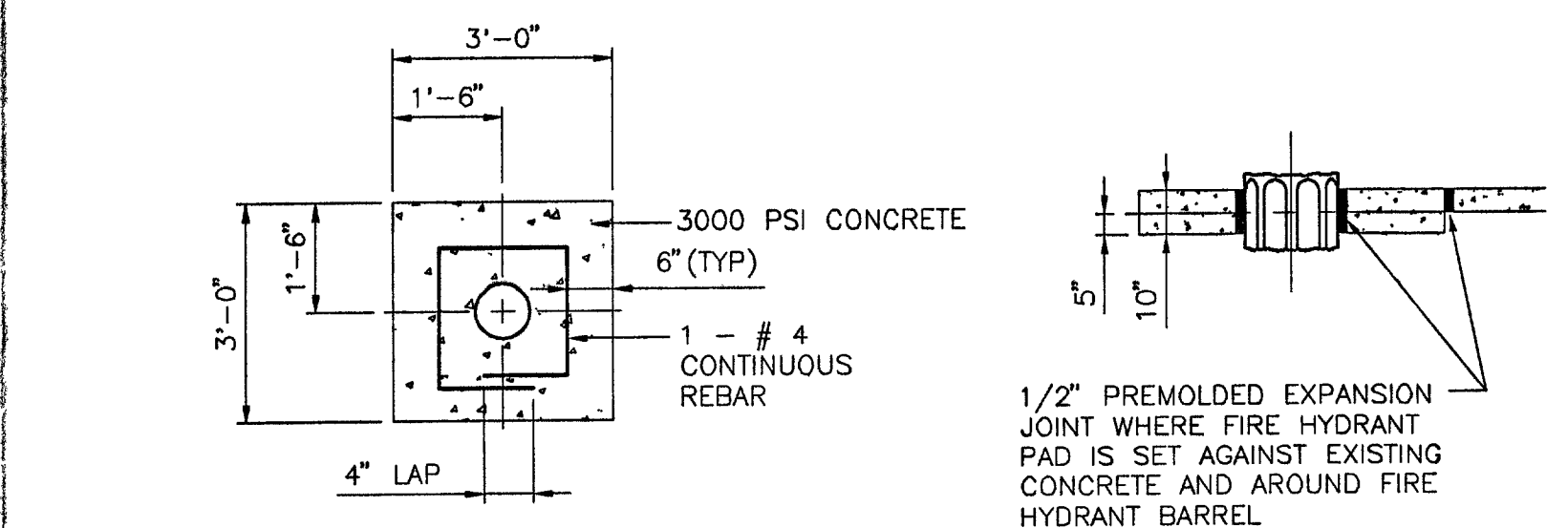
- LEGEND:**
- TEFLON TAPE (SEE NOTE 3)
 - 2" - BRASS NIPPLE (MALE x MALE)
 - 2" - 90° BRASS ELBOW (FEMALE x MALE)
 - 2" COPPER TUBING
 - 2" CORP STOP
 - 2" BLOW-OFF VALVE
 - TRAFFIC VALVE BOX
 - 2" CAP
 - EIGHT (8) MIL POLYETHYLENE (WRAP ENTIRE CAP)

- NOTES:**
- ALL COPPER TUBING AND BRASS PIPE SHALL BE WRAPPED WITH TWO LAYERS OF SIX (6) MIL POLYETHYLENE.
 - ALL COPPER TUBING AND BRASS PIPE SHALL BE BACKFILLED ALL AROUND WITH 4" MINIMUM OF SAND.
 - TEFLON TAPE TO BE INSTALLED ON THREADS OF BRASS 90° ELBOW FOR CONNECTION INTO CAP.

2" BLOW-OFF ASSEMBLY

NOT TO SCALE

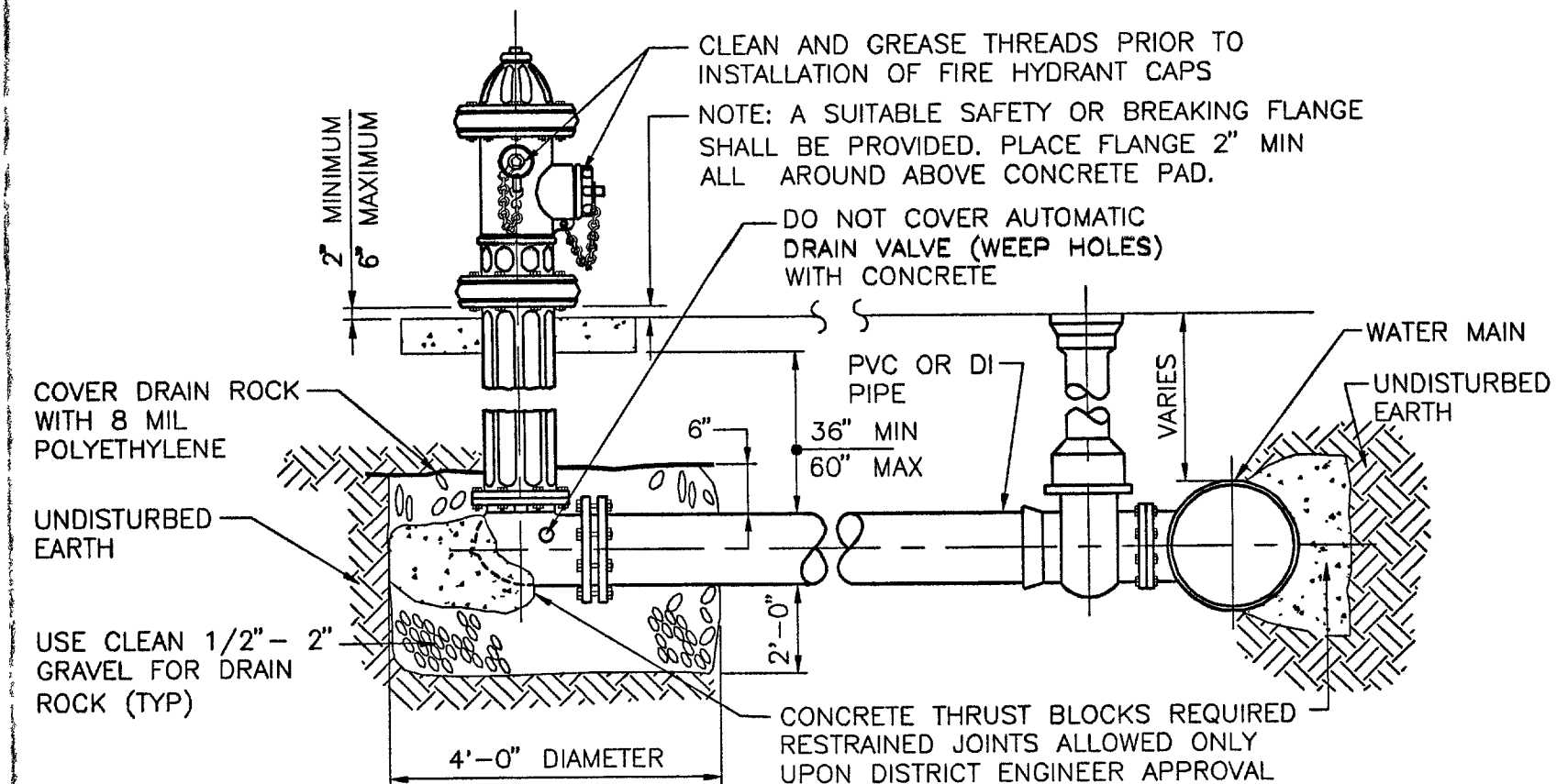
3



NOTE:
FOR LOCATION OF FIRE HYDRANTS,
AND FIRE HYDRANT PADS, SEE

PAD DETAIL

5

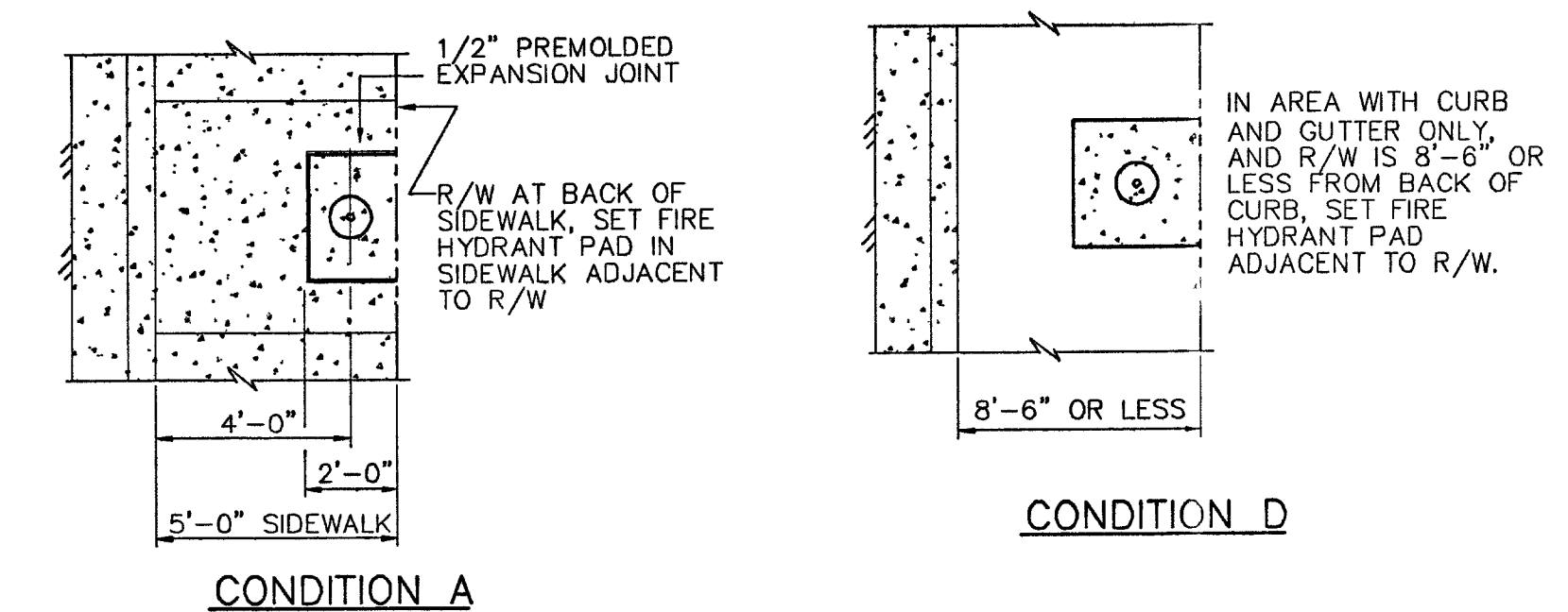


HYDRANT ASSEMBLY DETAIL

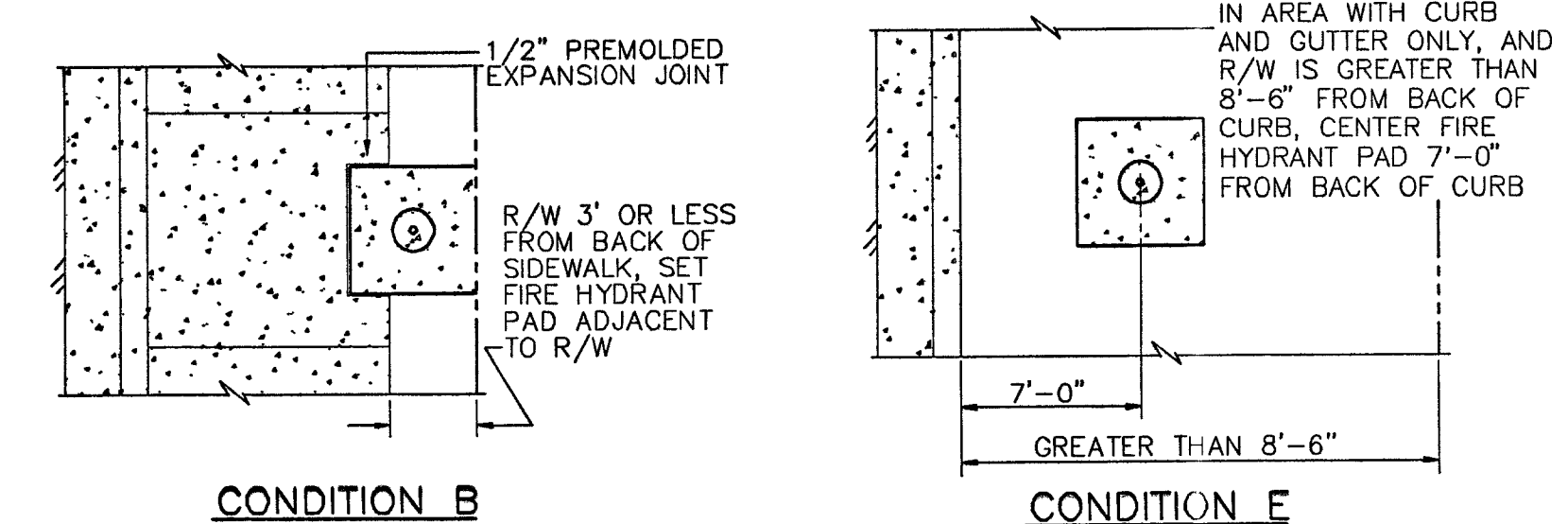
FIRE HYDRANT INSTALLATION

NOT TO SCALE

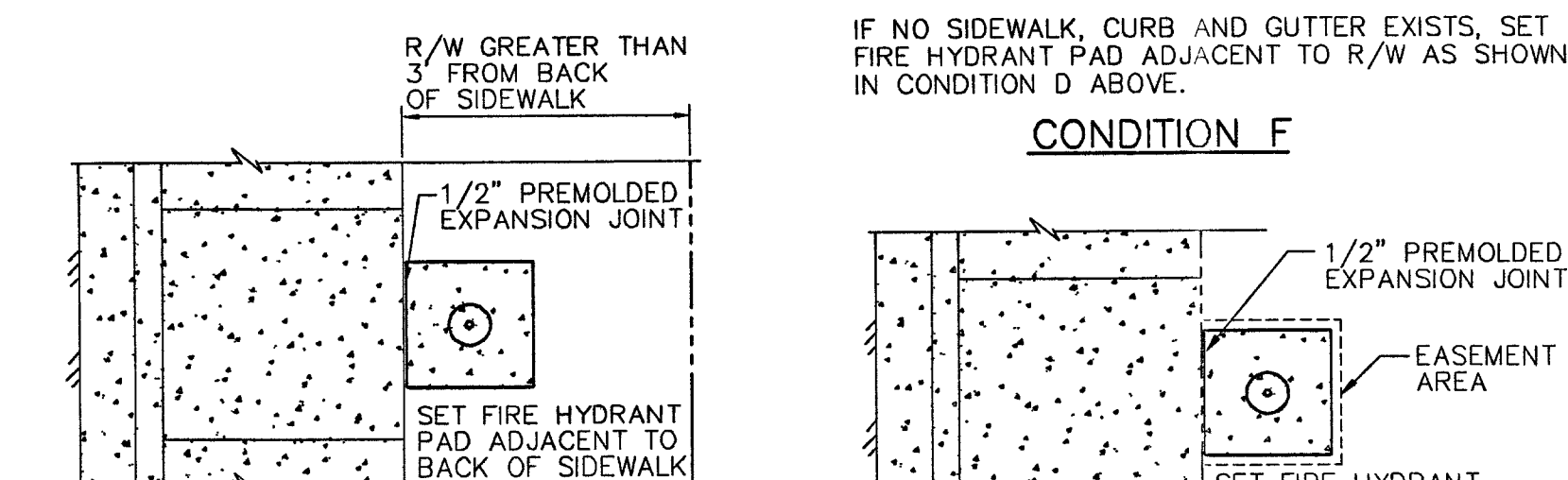
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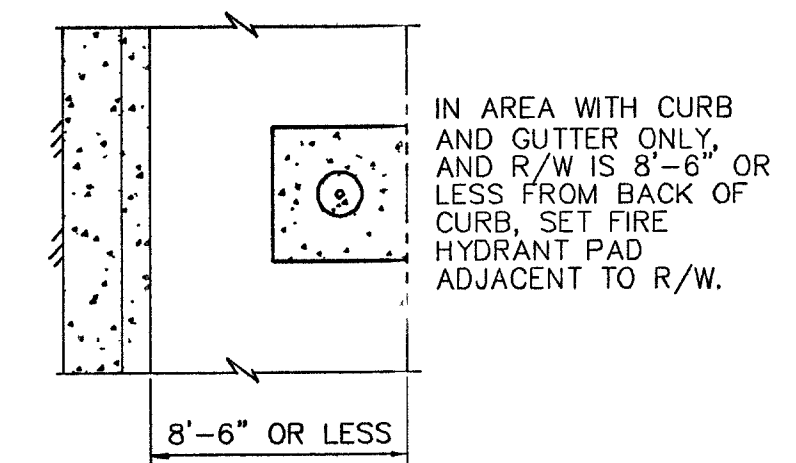
CONDITION A



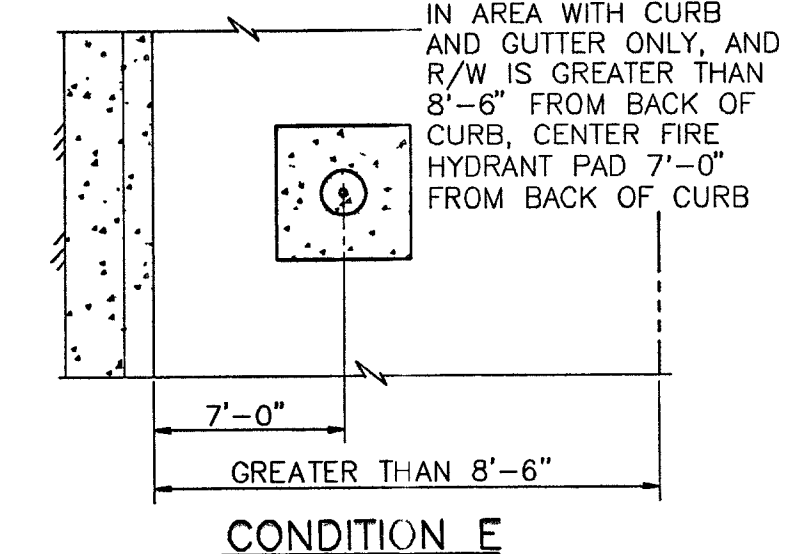
CONDITION B



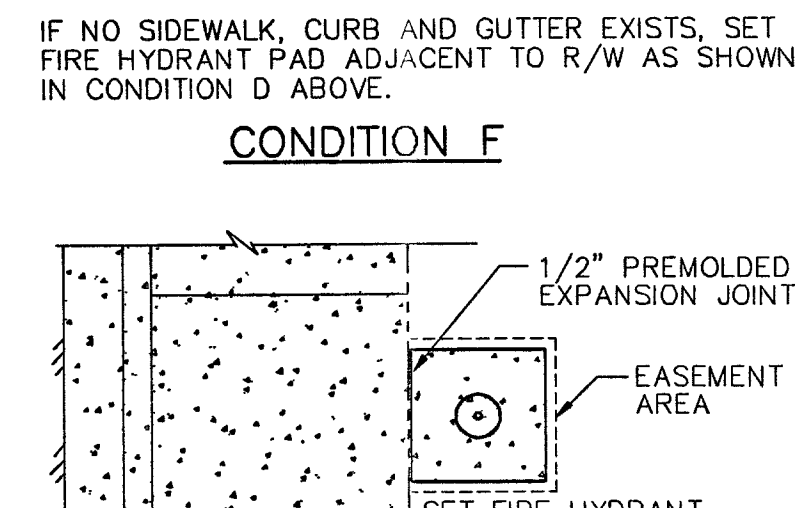
CONDITION C



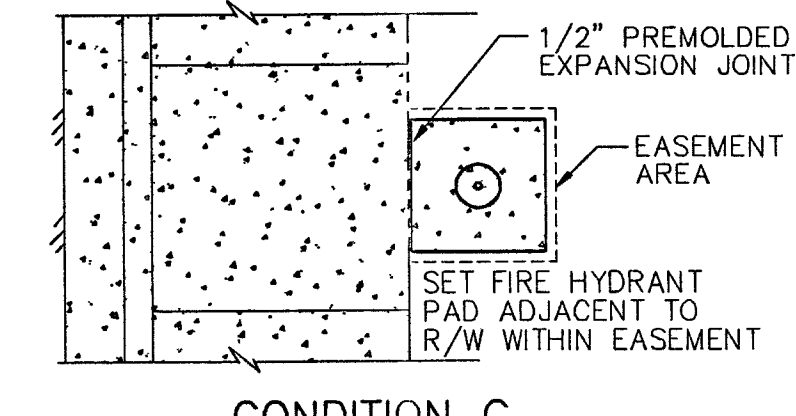
CONDITION D



CONDITION E



CONDITION F



CONDITION G

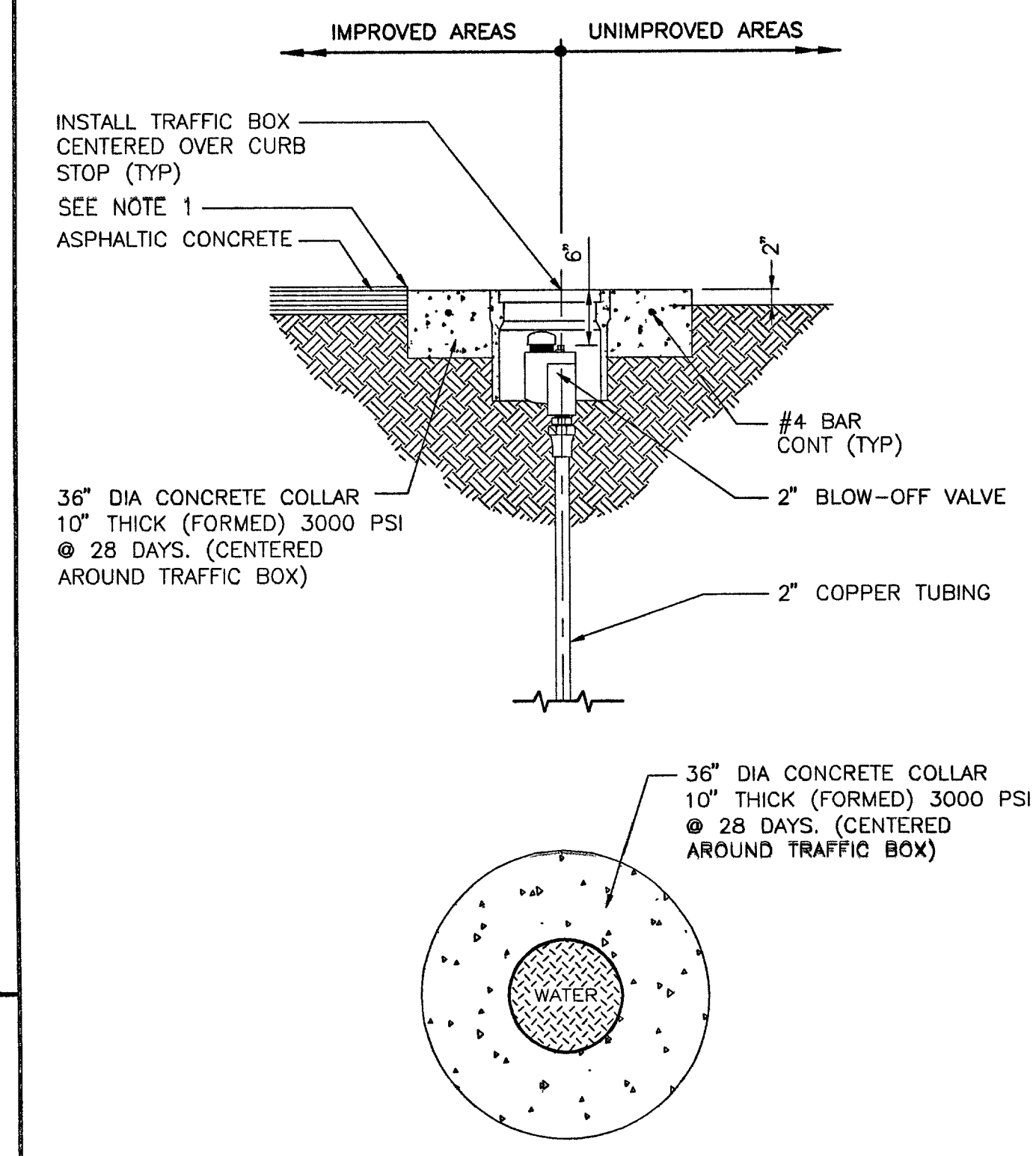
FIRE HYDRANT LOCATION

NOT TO SCALE

5

- FIRE HYDRANT INSTALLATION NOTES:**
- ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT OR THE CLARK COUNTY FIRE DEPARTMENT REQUIREMENTS.
 - NO HYDRANT SHALL BE LOCATED WITHIN 25 FEET OF ANY STRUCTURE OR 6 FEET OF A DRIVEWAY, POWER POLE, LIGHT STANDARD, OR ANY OTHER OBSTRUCTION. FOR WALLS, FENCE, AND PLANTER LOCATIONS, A PERIMETER AROUND THE HYDRANT MEASURING A MINIMUM OF 3 FEET FROM ITS CENTER SHALL BE MAINTAINED CLEAR OF ALL OBSTRUCTIONS AT ALL TIMES. HYDRANTS MUST BE LOCATED A MINIMUM OF 6 FEET AWAY FROM THE BEGINNING OF A TURNING RADIUS.
 - 6" FIRE HYDRANT LATERAL SHALL BE THE SAME PRESSURE CLASS AS THE DISTRIBUTION MAIN.
 - DUCTILE IRON PIPE TO BE ENCASED WITH TWO LAYERS EIGHT MILS THICK POLYETHYLENE FILM. DO NOT ENCASE FIRE HYDRANT BARREL.
 - ALL FIRE HYDRANTS SHALL BE PAINTED OSHA SAFETY YELLOW AFTER FINAL INSTALLATION.
 - ALL CURBS SHALL BE PAINTED OSHA RED 10' BOTH SIDES OF NEW FIRE HYDRANTS LOCATIONS.
 - USAGE OF FIRE HYDRANT BARREL EXTENSIONS MUST HAVE PRIOR DISTRICT APPROVAL.
 - ALL FIRE HYDRANT BARRELS LONGER THAN 60" WILL BE EVALUATED AND APPROVED BY DISTRICT ON A CASE BY CASE BASIS.

- TRAFFIC BOX INSTALLATION NOTES:**
- FINAL RIM ELEVATION TO BE 1/8" TO 1/4" BELOW FINAL STREET GRADE.
 - MORE STRINGENT INSTALLATION REQUIREMENTS MAY BE IMPOSED BY THE ENTITY HAVING THE JURISDICTION OVER THE TRAFFIC BOX INSTALLATION LOCATION.
 - CONTRACTOR TO FORM CONCRETE COLLAR IN UNIMPROVED AREAS WITH SONOTUBE AND REMOVE PRIOR TO BACKFILL INSTALLATION (TYP).
 - SEE SPECIFICATIONS FOR ALL APPROVED PRODUCTS.



TRAFFIC BOX INSTALLATION

NOT TO SCALE

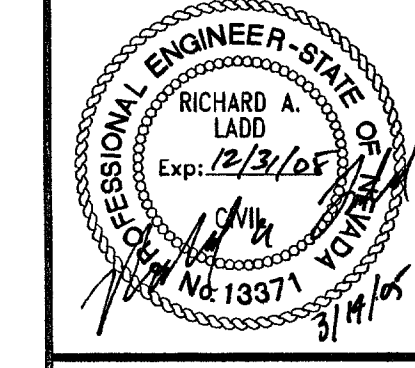
6



VEGAS HEIGHTS WATER SYSTEM IMPROVEMENTS

STANDARD DETAILS II

DRAWN BY:	CHRISTOPHER BLANK	12/29/03	DATE	
CHECKED BY:	STEVE MILLER	12/30/03	DATE	
RECOMMENDED BY:	MICHAEL P. REAGO		DATE	
ACCEPTED BY:	PETER J. JAUCH		DATE	



CONTRACT NUMBER
C1138
DRAWING NUMBER CD2
SHEET 11 OF 12

Call before you dig
1-702-583-6111

Call before you dig
1-800-227-2600

CLV DWG # 305-427