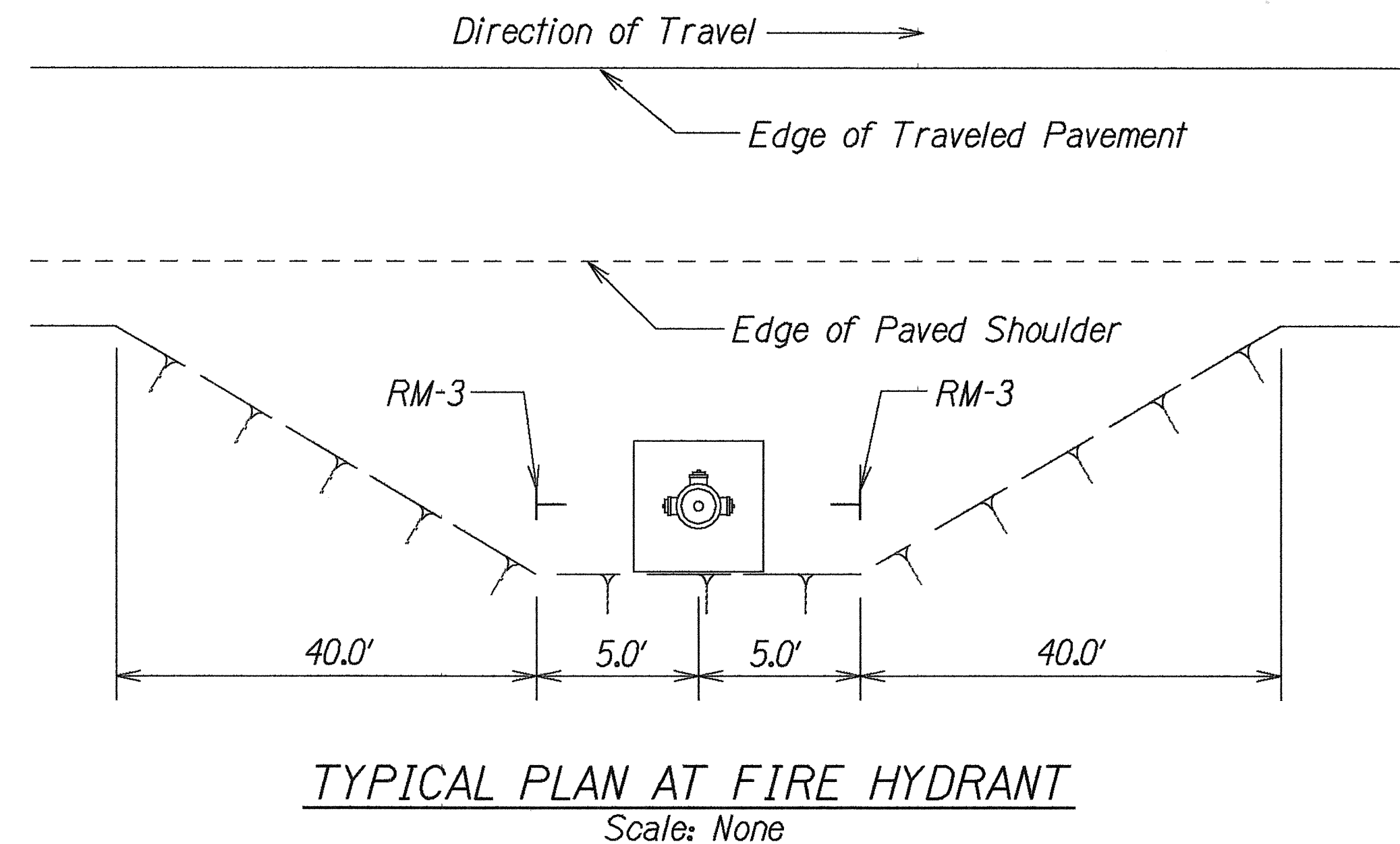
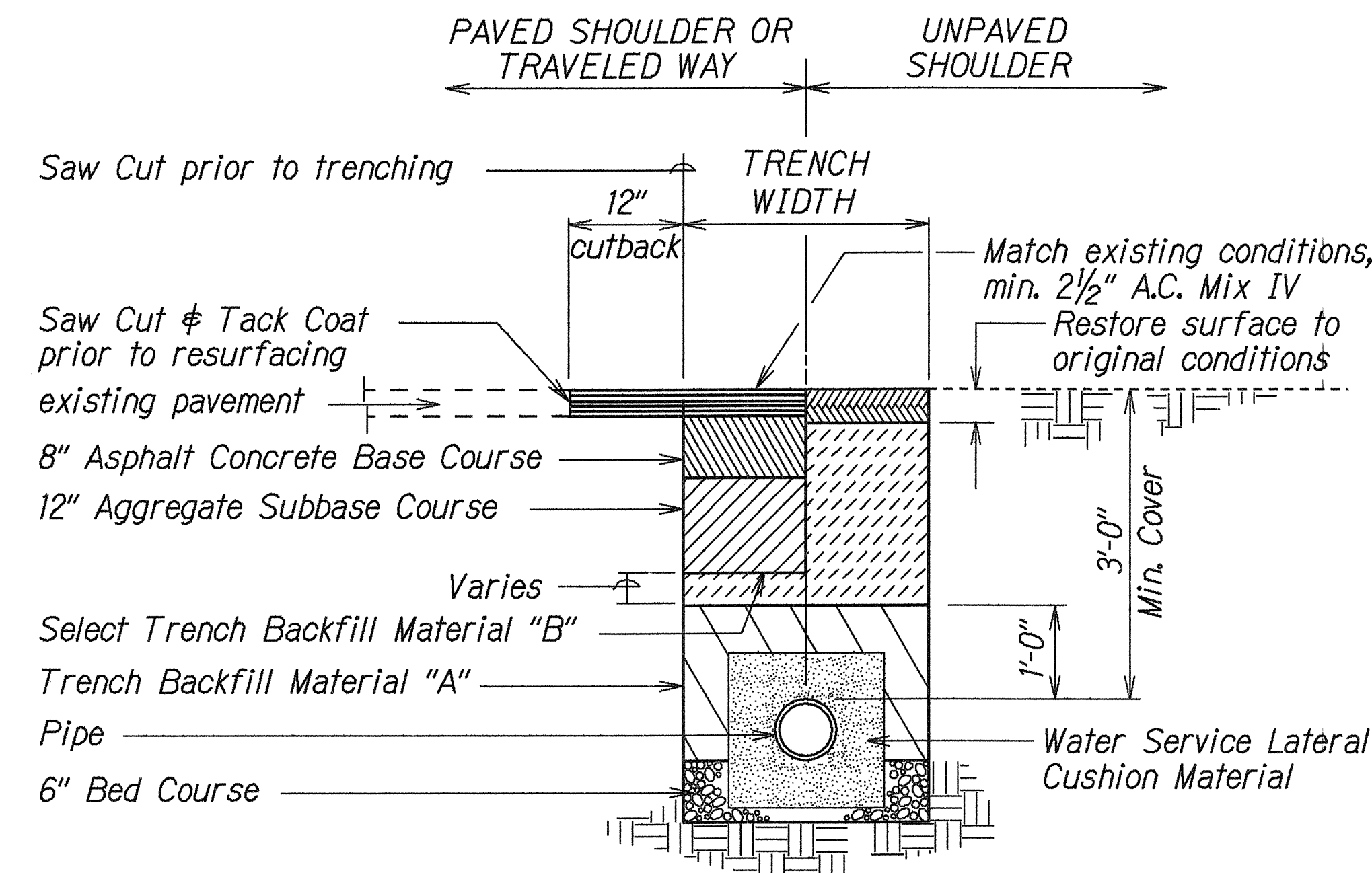


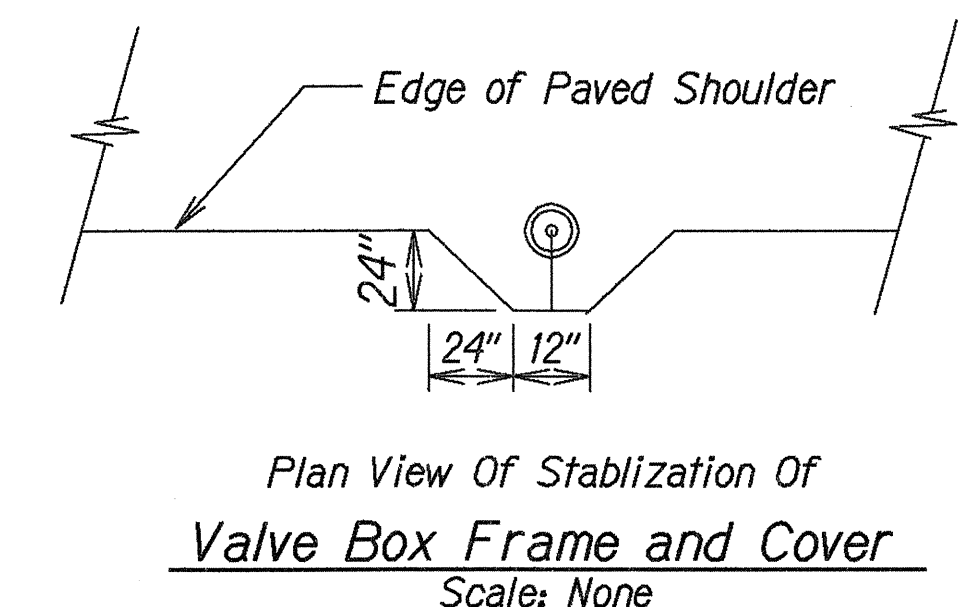
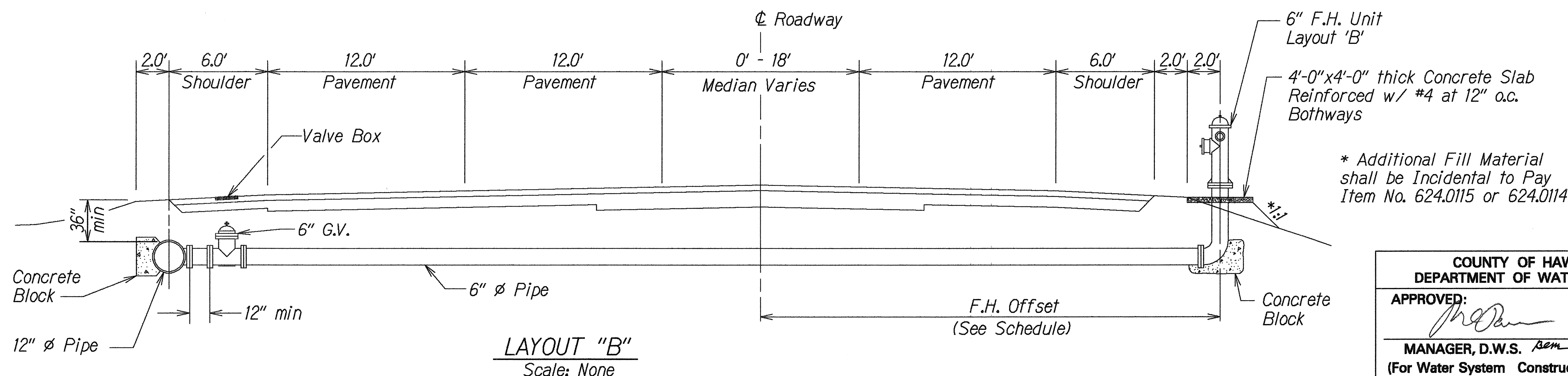
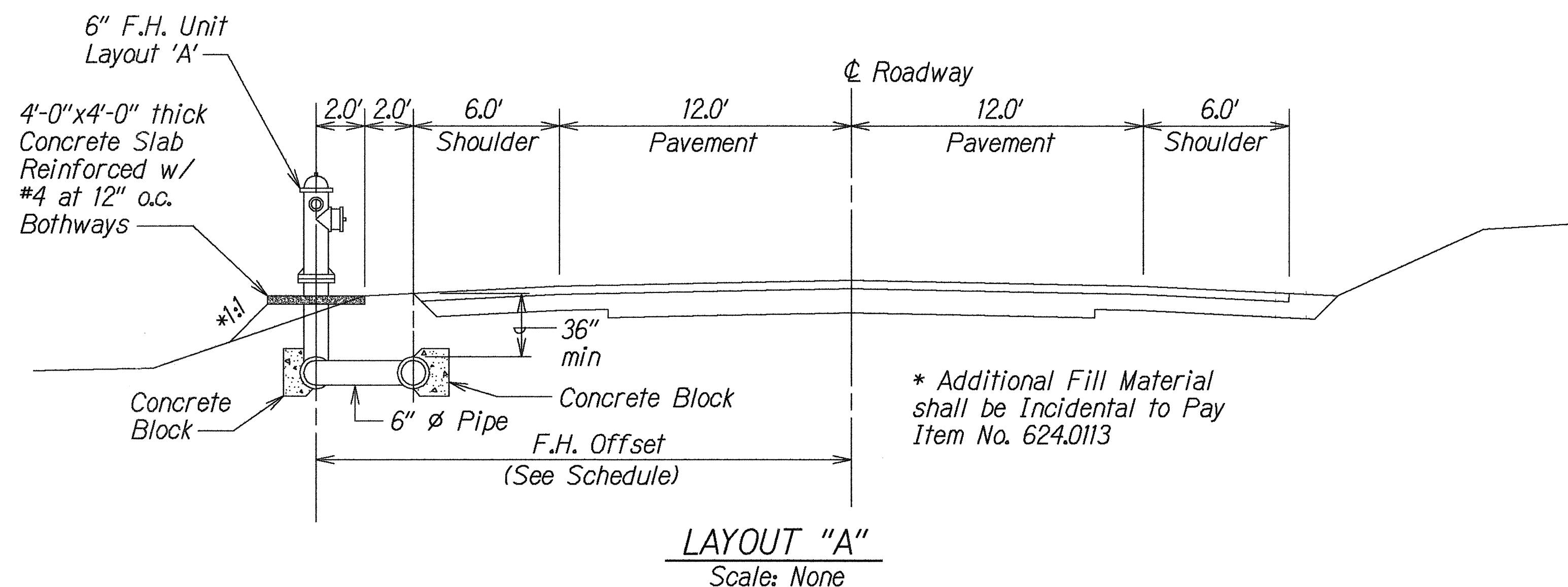
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0130(24)	2000	49	55



FIRE HYDRANT SCHEDULE			
Station For ϕ Fire Hydrant	Layout		Offset For ϕ Fire Hydrant
	"A"	"B"	
64+25	●		22.00 Lt.
69+20		●	41.27 Rt.
75+40	●		31.00 Lt.
80+90		●	22.00 Rt.
86+90		●	22.00 Rt.
92+65	●		22.00 Lt.
98+15	●		23.82 Lt.
103+50		●	43.00 Lt.
108+90		●	28.96 Rt.
114+90		●	22.00 Rt.
120+25	●		26.93 Lt.
125+00	●		31.00 Lt.
130+10		●	28.99 Rt.
134+25		●	22.00 Rt.



- NOTES:**
- 6" BED COURSE**
- Where Utilities are within the water table, use size #67(AASHTO M43)
 - For all other areas, bed course material shall be Trench Backfill Material "A".
- TRENCH BACKFILL MATERIAL "A"**
- Sand Equivalent (S.E.) ≥ 20
 - 8" maximum lifts
 - 95% compaction
- TRENCH BACKFILL MATERIAL "B"**
- S.E. must not be less than the area being filled and in no case shall the S.E. be ≤ 2 regardless of where it is used.
 - 8" maximum lifts
 - 95% compaction
- SUBBASE COURSE**
- S.E. ≥ 25
 - 8" maximum lifts
 - 95% compaction
- WATER SERVICE LATERAL CUSHION MATERIAL**
- Provide 6" minimum cushion material around water service laterals
 - Cushion material shall be No. 4 sand or other material approved by the County of Hawaii, Department of Water Supply.



COUNTY OF HAWAII
DEPARTMENT OF WATER SUPPLY

APPROVED: *[Signature]* *[Signature]*
MANAGER, D.W.S. *[Signature]* DATE *[Signature]*
(For Water System Construction)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WATERLINE DETAILS AND SCHEDULE

KEA'AU-PĀHOA ROAD
PARADISE PARK SECTION-PHASE II & III
F.A. PROJECT NO. RS-0130(24)

Scale: As Shown Date: May, 2000