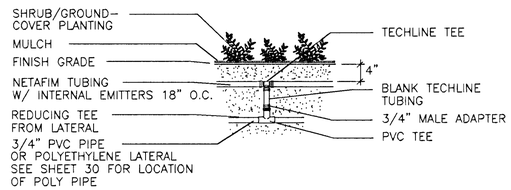
FHWA REG NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	SHEETS
7	KANSAS	54-87-TE-0039-01	1997	36	43

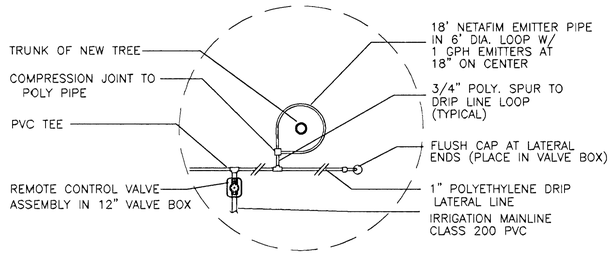
SPACE TUBING AT 18" ON CENTER IN SHRUB AND GROUNDCOVER BEDS. PLACE ON BOTH SIDES OF HEDGES OR FOUNDATION PLANTINGS.



WHERE REQUIRED ADD PRESSURE COMPENSATING EMITTERS TO NETAFIM TUBING TO IRRIGATE PLANT MATERIALS. DIRECT WATER THROUGH MICRO-TUBING TO BASE OF TREES. SEE DETAILS 16 & 17 THIS SHEET.

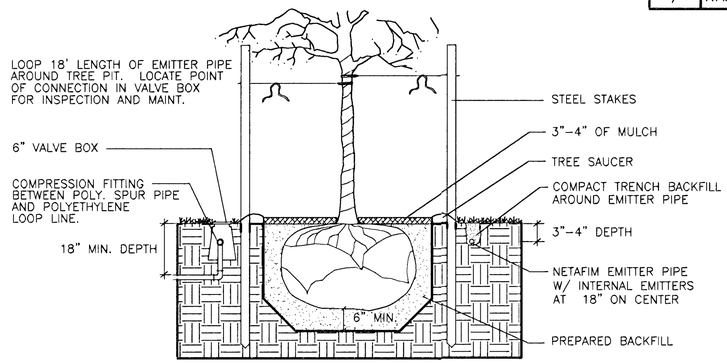
12 TECHLINE DRIP TUBE CONNECTION

NO SCALE



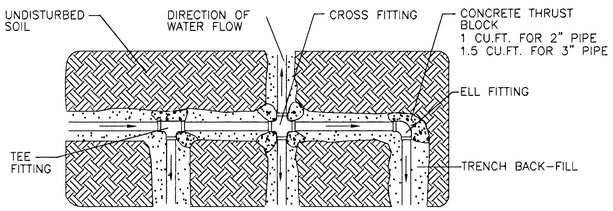
13 NETAFIM DRIPLINE LAYOUT AT NEW TREES

NO SCALE



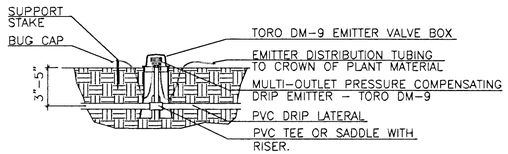
14 NETAFIM DRIPLINE LOOP AT NEW TREES - SECTION

DRIP IRRIGATION ZONES ONLY NO SCALE



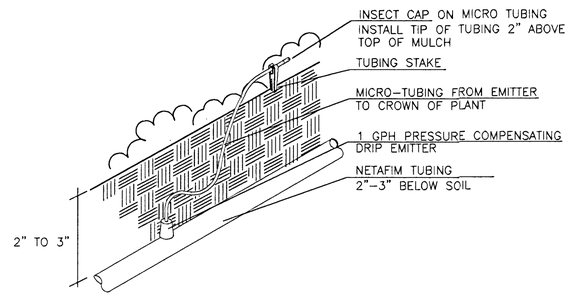
15 CONCRETE THRUST BLOCKS AT MAINLINE

BOTH DRIP IRRIGATION MAINLINES AND IRRIGATION MAINLINES NO SCALE



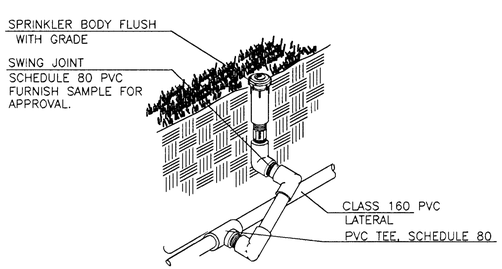
16 MULTI-OUTLET EMITTER INSTALLATION

SEE SHEETS 21 & 22 FOR LOCATIONS USING THIS DETAIL NO SCALE



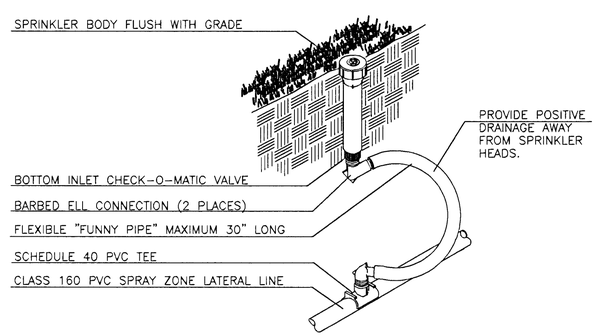
17 SINGLE DRIP EMITTER IN POLYETHYLENE PIPE

SEE SHEETS 21 & 22 FOR LOCATIONS USING THIS DETAIL NO SCALE



18 S700 SERIES LAWN STREAM ROTOR SPRINKLER

WITH CHECK-O-MATIC CHECK VALVE NO SCALE



19 570Z SERIES 4" POP-UP SPRAY SPRINKLER

WITH CHECK-O-MATIC CHECK VALVE NO SCALE

SUMMARY OF TYPES OF PIPE AND TUBING

MAINLINE - CLASS 200 PVC

LATERAL LINE - CLASS 160 PVC

LATERAL LINE - POLYETHLENE (USE IN PLACE OF CLASS 160 PVC IN LIMITED LOCATIONS SHOWN ON SHEET 30

DRIP MAINLINE - CLASS 160 PVC

NETAFIM - DRIP IRRIGATION LINE HAVING 1 GPH INTERNAL EMITTER SPACED 18" ON CENTER. NETAFIM IS NORMALLY SHOWN WITH A WAVY LINE PATTERN ON THE IRRIGATION PLANS.

SPECIAL NOTE - DETAILS 12 AND 16 ON THIS SHEET SHOW THE USE OF NETAFIM WITH INTERNAL AND EXTERNAL EMITERS. THE EXTERNAL EMITTERS ADD ADDITIONAL WATERING CAPACITY FOR THE TREES: LOCATED NETAFIM WITH EXTERNAL EMITTERS IN LOCATIONS SHOWN ON THE IRRIGATION PLANS.

FUNNY PIPE - USE FUNNY PIPE AS MANUFACTURED BY TORO ONLY FOR SPRAY HEADS AS SHOWN ON DETAIL 19, THIS SHEET. LIMIT FUNNY PIPE TO A MAXIMUM OF 30". PROVIDE POSITIVE DRAINAGE AWAY FROM SPRINKLER HEADS.

EMITTER DISTRIBUTION TUBING - COORDINATE SIZE OF TUBING WITH SIZE OF STAKES AND EMITTER OUTLETS.

KANSAS DEPARTMENT OF TRANSPORTATION

KELLOGG AND WEST STREET IRRIGATION DETAILS

PROJECT NO. # 101227

REGISTERED LANDSCAPE ARCHITECT LEE M. LIKE 438 7-31-97 STATE OF KANSAS

Wilson Darnell Mann
architecture site planning interiors
Wichita, Kansas

DESIGNED BY:	WDM, PA	CHECKED BY:	LME
DRAWN BY:	SKW	DATE: 7/31/97	SHEET 36 OF 43

7-31-95
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NONE