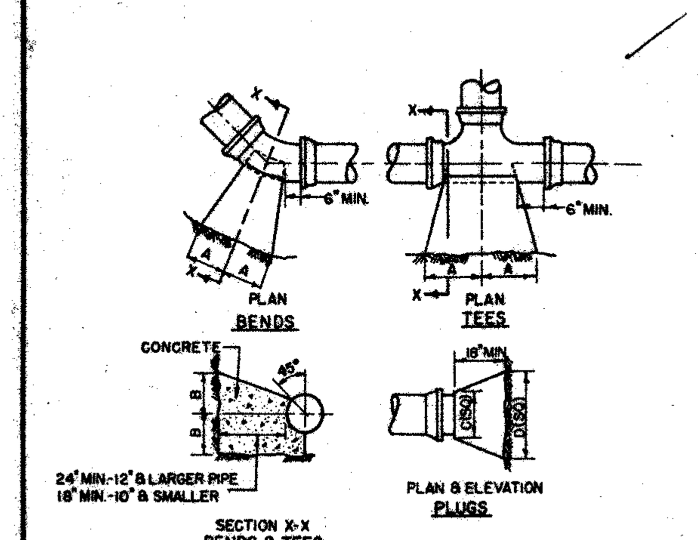


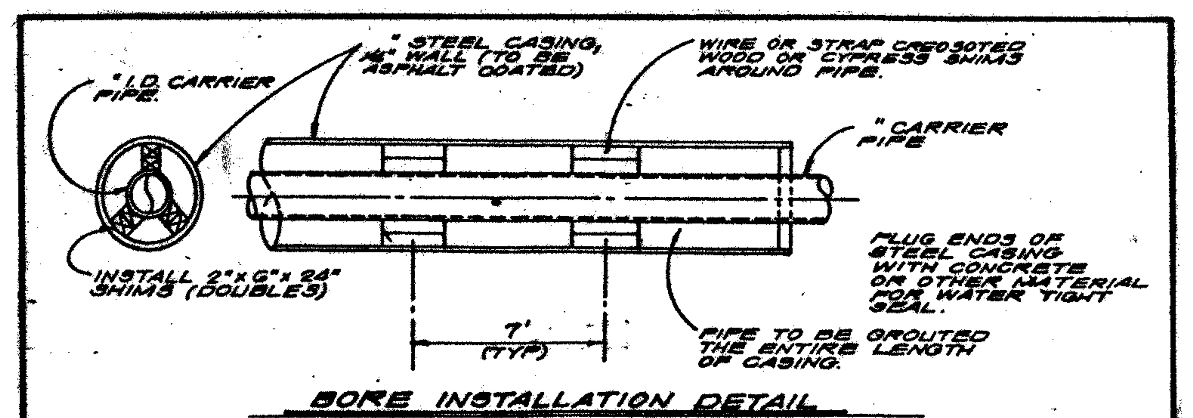
SECTION X-X
BENDS & TEES

SIZE	1/4 BENDS		1/8 BENDS		1/16 BENDS		TEES		PLUGS	
	A	B	A	B	A	B	A	B	C	D
6"	20"	12"	11"	12"	7"	10"	12"	15"	10"	27"
8"	27"	16"	15"	16"	10"	12"	16"	19"	12"	35"
10"	30"	22"	18"	21"	12"	16"	20"	24"	14"	44"
12"	35"	28"	20"	26"	14"	19"	23"	30"	16"	52"
14"	43"	31"	24"	30"	16"	24"	28"	33"	18"	61"
16"	46"	36"	27"	35"	17"	28"	32"	38"	20"	70"

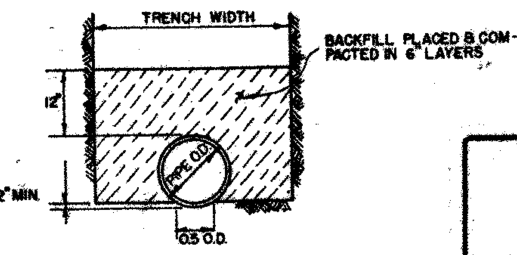
NOTE

BASED ON 150 P.S.I. STATIC PRESSURE PLUS A.W.W.A. WATER HAMMER. ALL BEARING SURFACES TO BE CARRIED TO UNDISTURBED GROUND.
THRUST BLOCKS SHALL BE CONCRETE.

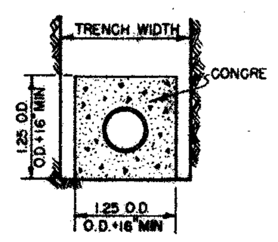
THRUST BLOCKS



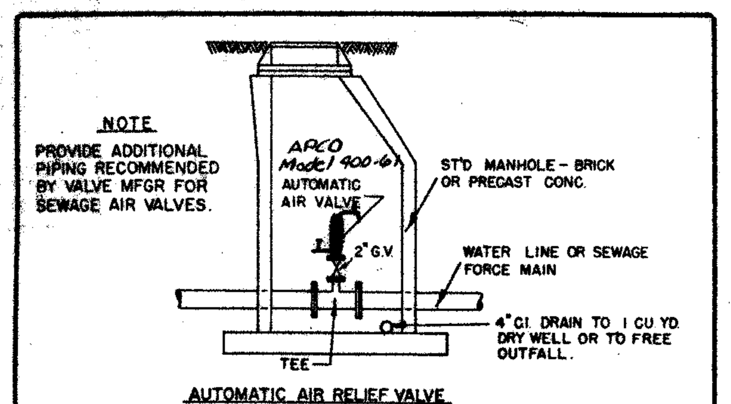
BORE INSTALLATION DETAIL
NO SCALE



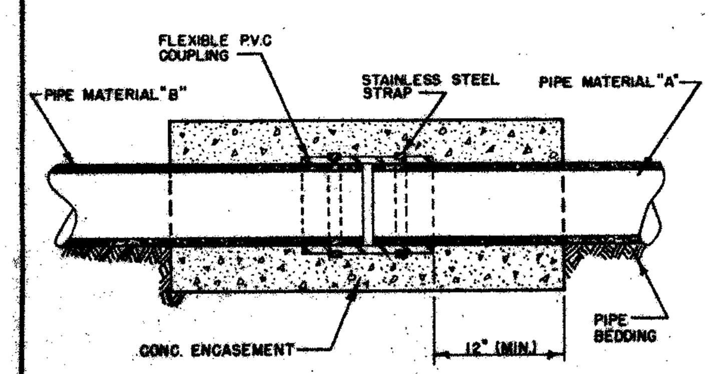
STANDARD TRENCH
WATER & FORCE MAINS
(CLASS C)
(LAYING CONDITION B)



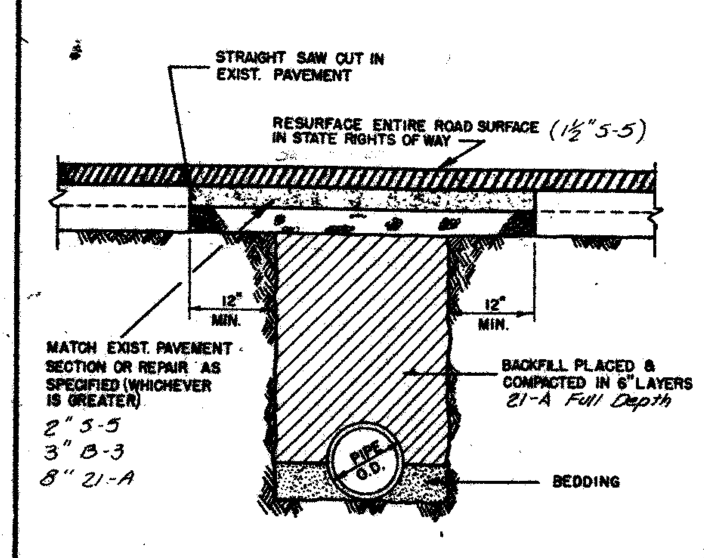
CONCRETE ENCASEMENT
(CLASS A-2)



AUTOMATIC AIR RELIEF VALVE
Sewage



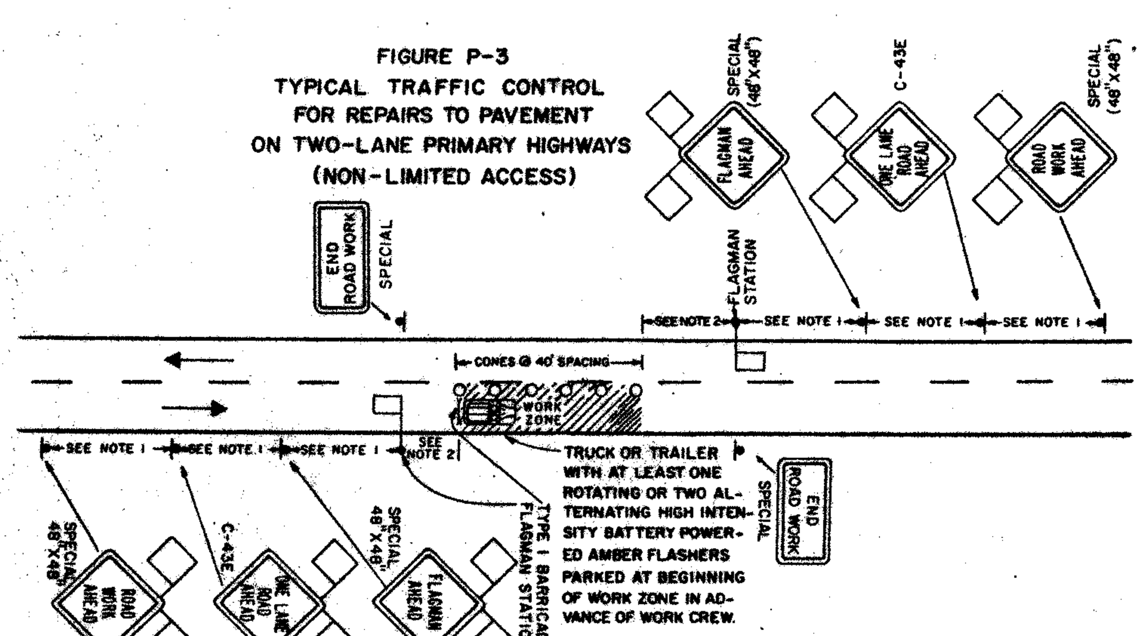
JOINING DISSIMILIAR SEWER PIPE MATERIAL



TYPICAL SECTION
NO SCALE

PAVEMENT REPAIR

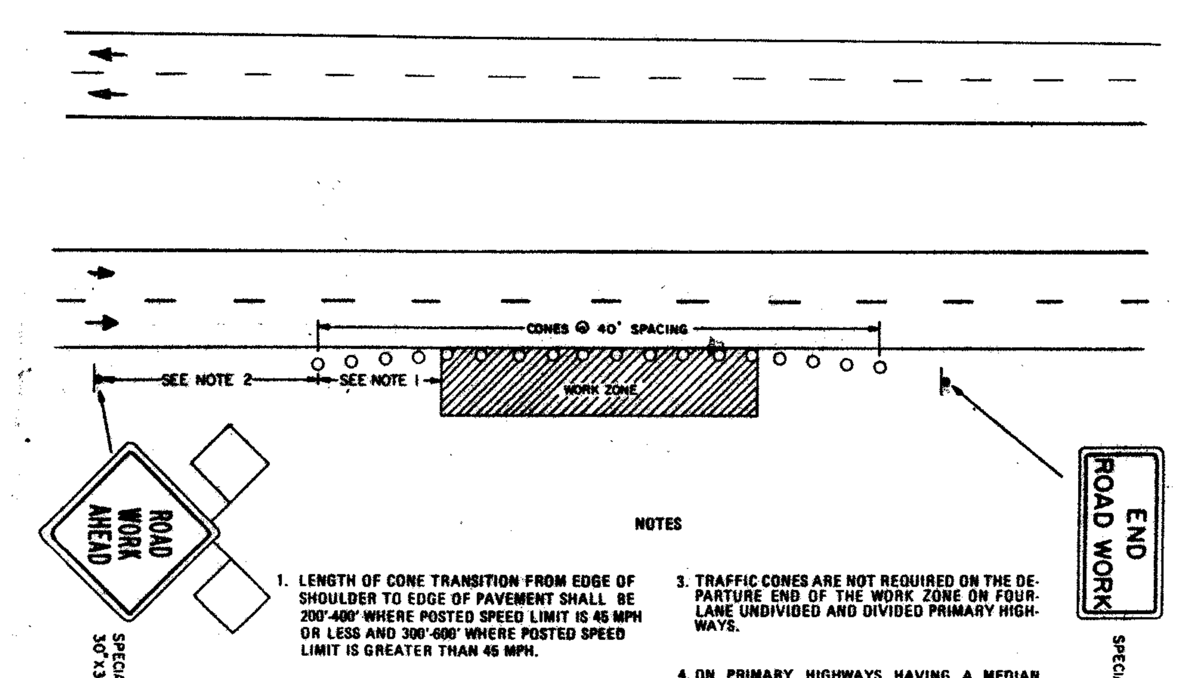
FIGURE P-3
TYPICAL TRAFFIC CONTROL
FOR REPAIRS TO PAVEMENT
ON TWO-LANE PRIMARY HIGHWAYS
(NON-LIMITED ACCESS)



NOTES

1. DISTANCE BETWEEN ADVANCE WARNING SIGNS AND BETWEEN "FLAGMAN AHEAD" SIGN AND FLAGMAN STATION SHALL BE 350'-500' WHERE POSTED SPEED LIMIT IS 45 MPH OR LESS AND 500'-800' WHERE POSTED SPEED LIMIT IS GREATER THAN 45 MPH.

2. FLAGMAN STATIONS SHALL BE LOCATED FAR ENOUGH IN ADVANCE OF THE WORK ZONE TO PERMIT APPROACHING TRAFFIC TO REDUCE SPEED AND/OR STOP BEFORE PASSING THE WORK ZONE AND ALLOW SUFFICIENT DISTANCE FOR DEPARTING TRAFFIC IN THE LEFT LANE TO RETURN TO THE RIGHT LANE BEFORE REACHING OPPOSING TRAFFIC.



NOTES

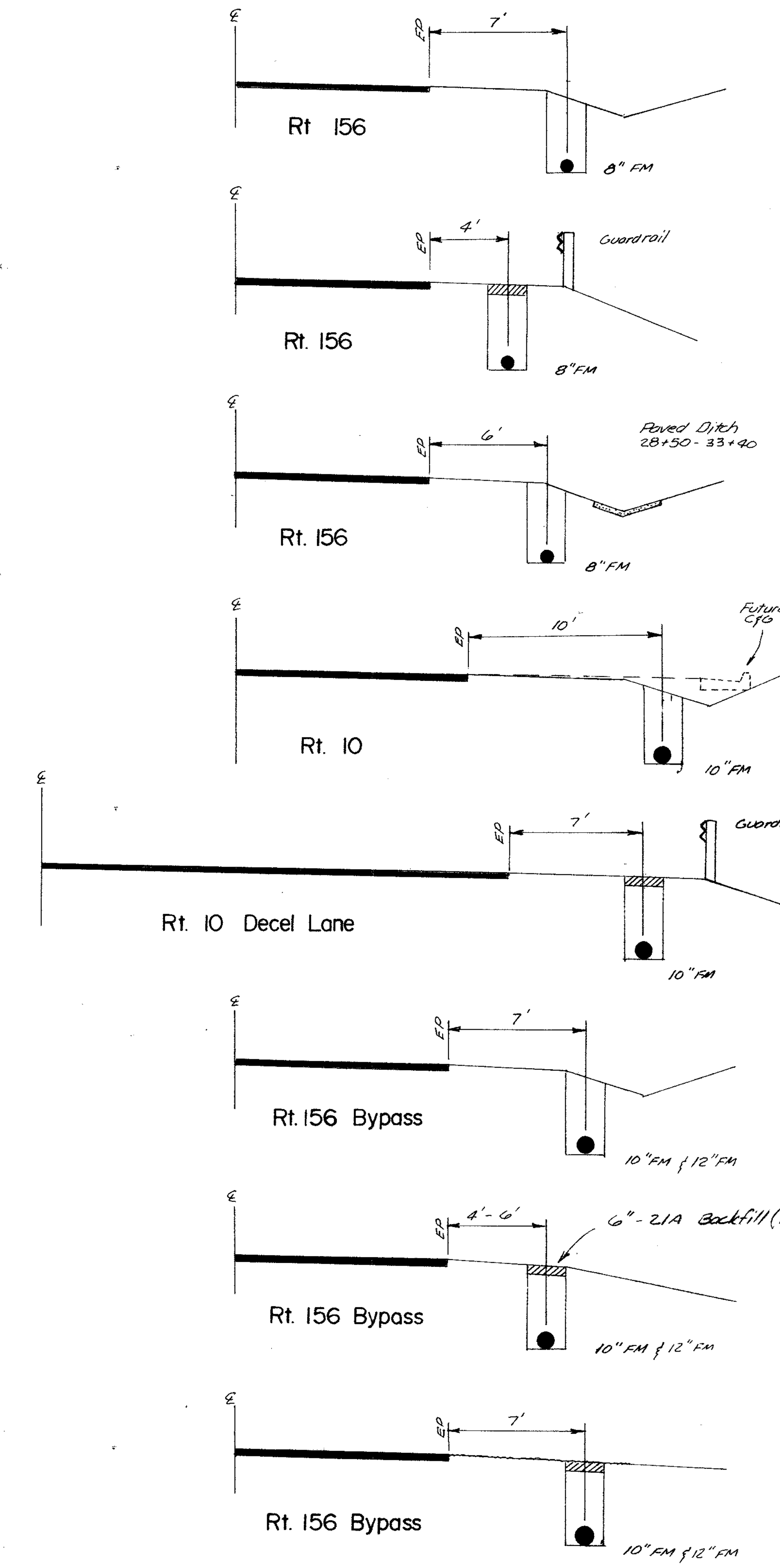
1. LENGTH OF CONE TRANSITION FROM EDGE OF SHOULDER TO EDGE OF PAVEMENT SHALL BE 350'-500' WHERE POSTED SPEED LIMIT IS 45 MPH OR LESS AND 500'-800' WHERE POSTED SPEED LIMIT IS GREATER THAN 45 MPH.

2. DISTANCE BETWEEN ADVANCE WARNING SIGN AND BEGINNING OF CONE TAPER SHALL BE 350'-500' WHERE POSTED SPEED LIMIT IS 45 MPH OR LESS AND 500'-800' WHERE POSTED SPEED LIMIT IS GREATER THAN 45 MPH.

3. TRAFFIC CONES ARE NOT REQUIRED ON THE DEPARTURE END OF THE WORK ZONE ON FOUR-LANE UNDIVIDED AND DIVIDED PRIMARY HIGHWAYS.

4. ON PRIMARY HIGHWAYS HAVING A MEDIAN WIDER THAN 8', LEFT AND RIGHT SIDE SIGN ASSEMBLIES SHALL BE REQUIRED.

FIGURE P-1
TYPICAL TRAFFIC CONTROL
FOR WORK BETWEEN PAVEMENT AND DITCH LINE
ON PRIMARY HIGHWAYS
(NON-LIMITED ACCESS)



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ENGINEERS * ARCHITECTS * SURVEYORS * PLANNERS * LANDSCAPE ARCHITECTS

COMMONWEALTH OF VIRGINIA
WALTER M. ALTMAN III
LICENSE No. 11039
PROFESSIONAL ENGINEER

DATE	REVISION DESCRIPTION

DATE
DRAWN BY W.M.A. III
DESIGNED BY W.M.A. III
CHECKED BY W.M.A. III
SCALE

JORDAN ON THE JAMES

BLAND DISTRICT, PRINCE GEORGE, VIRGINIA

DETAILS

FINAL

SHEET NO. 15 of 19

JOB NO. 8707-04

N7126