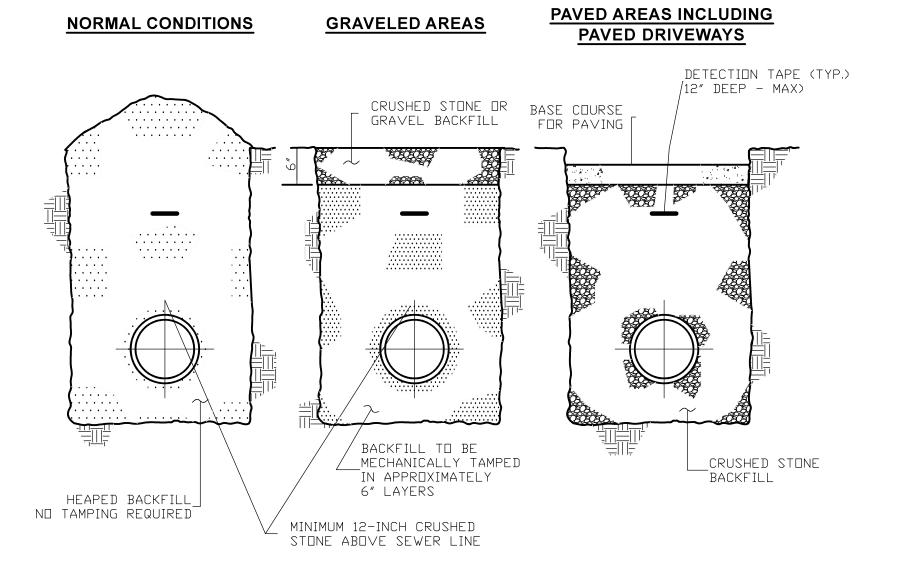
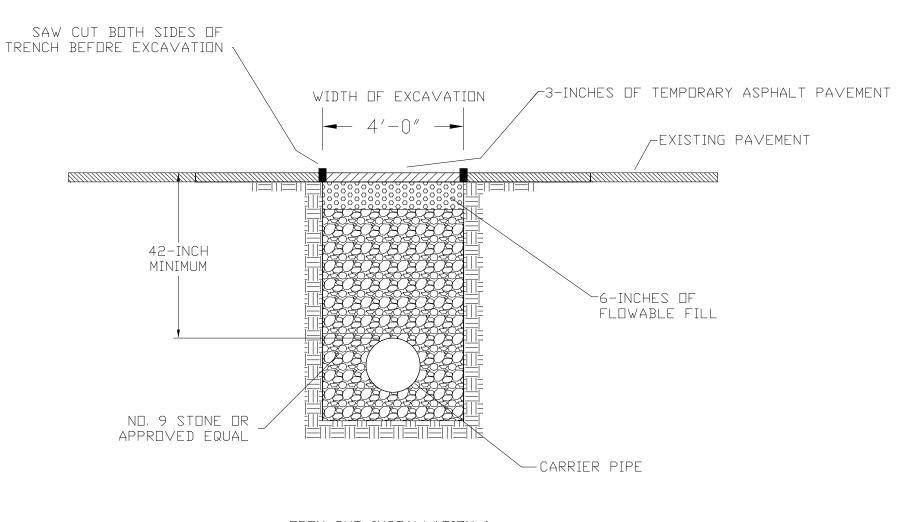


556 CARLTON I Lawrenceburg,

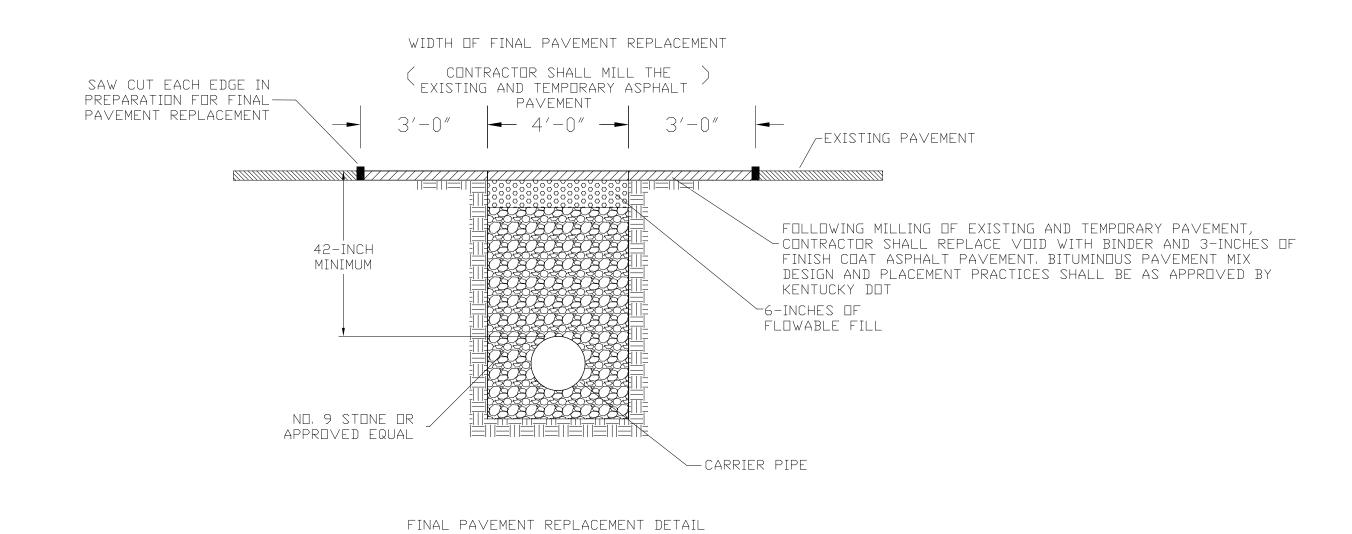
DERON S BYRNE 23127 ALTON



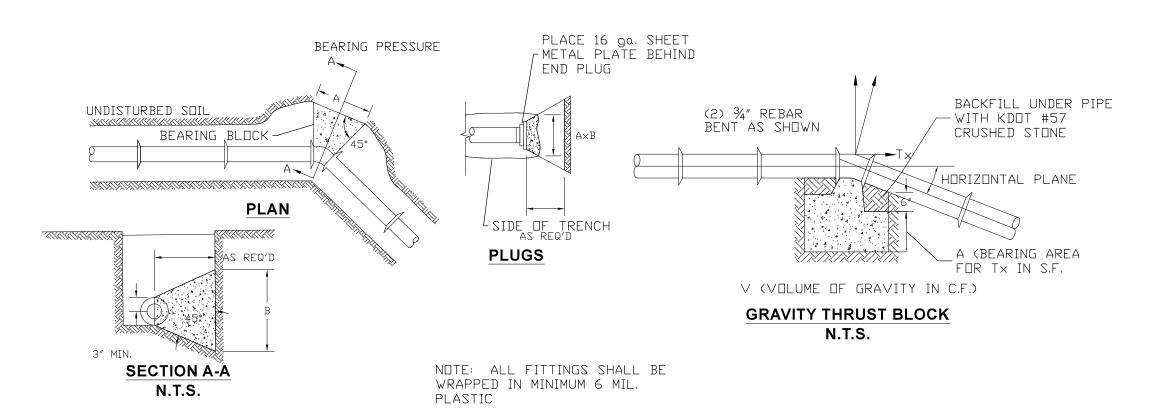
BACKFILLING N.T.S



OPEN CUT INSTALLATION & TEMPORARY PAVEMENT REPLACEMENT DETAIL



STATE HIGHWAY **BITUMINOUS PAVEMENT REPLACEMENT** N.T.S



1. THRUST RESTRAINT TABLE IS BASED ON PIPELINE PRESSURE OF 200 psi AND EARTH BEARING CAPACITY OF 1500PSF. DURING CONSTRUCTION, THE SPECIFIC SOIL TYPE MAY BE EVALUATED AND CONCRETE THRUST BLOCK SIZE

REVISED AT THE DISCRETION OF THE ENGINEER. 2. ON LARGE DIAMETER PIPES WHERE LIMITATIONS OR CONSTRUCTION DIFFICULTIES RENDER CONCRETE THRUST BLOCKS NOT FEASIBLE OR IMPRACTICAL, JOINT SYSTEM MAY BE USED. THIS RESTRAINED JOINT SYSTEM MUST BE APPROVED BY THE ENGINEER.

3. CONCRETE SHALL BE 2500 psi MINIMUM CONFORMING TO KBH

SPECIFICATIONS 601.

4.	ACCESSIBILITY	ΤП	FITTINGS	AND	BOLTS	MUST	ΒE	
	MAINTAINED.							

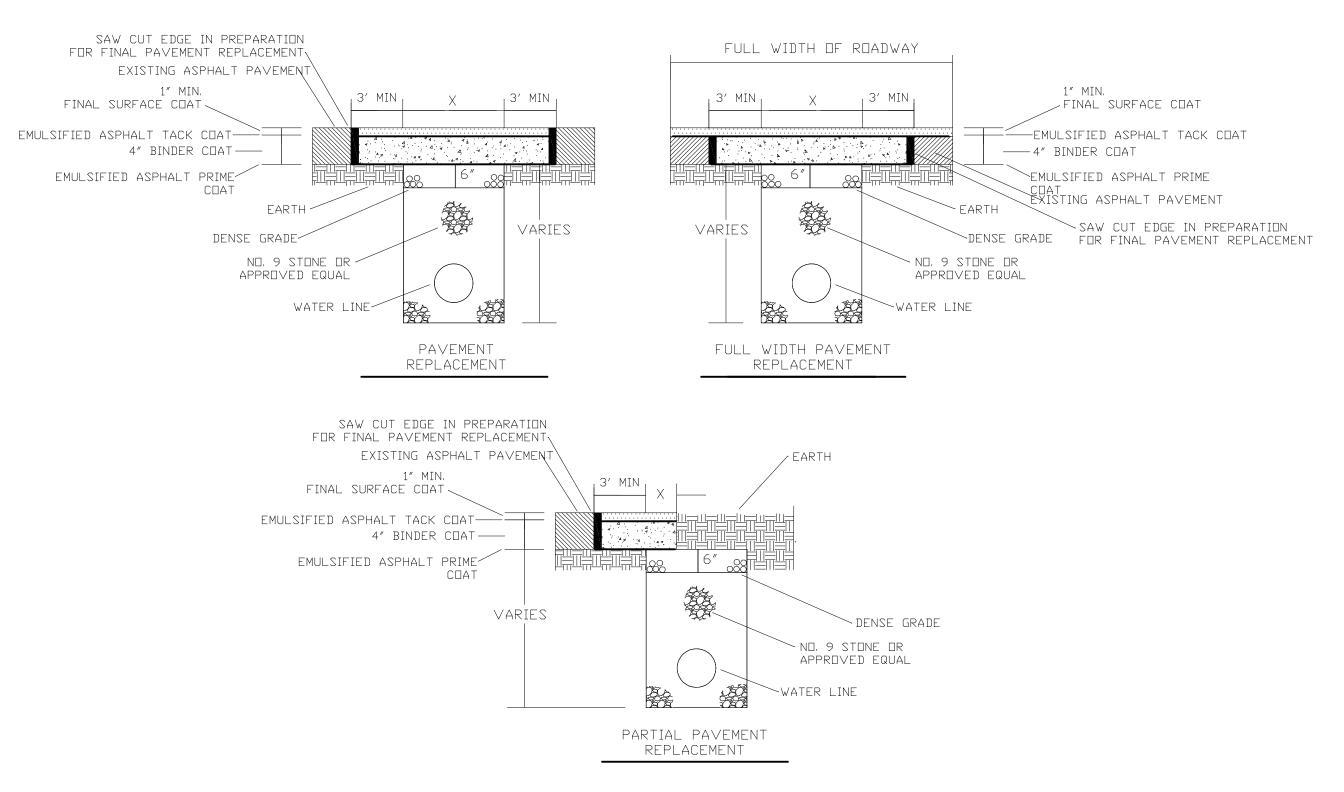
		HI	JRIZON	TAL TH	HRUST	BLOCK	SCHE	DULE		B 1'-0" 1'-6" 2'-0" 2'-4" 2'-9" 3'-3" 3'-8" 4'-0"
PIPE	90° BEND		45° BEND		22 1/2° BEND		11 1/4° BEND		TEE, DEAD END	
(INCHES)	Α	В	Α	В	Α	В	Α	В	А	В
4	2'-6"	1'-0"	2'-0"	1'-0"	2'-0"	1'-0"	2'-0"	1'-0"	2'-0"	1'-0"
6	3′-8″	1'-6"	2'-6"	1'-3"	2'-0"	1'-0"	2'-0"	1'-0"	3'-0"	1'-6"
8	4'-4"	2'-3"	3′-3″	1'-8"	2'-4"	1'-2"	2'-0"	1'-0"	4'-0"	2'-0"
10	5′-6″	2'-0"	4'-0"	2'-0"	3'-0"	1'-6"	2'-2"	1'-1"	4'-8"	2'-4"
12	6'-6"	2'-9"	5′-0″	2'-6"	3′-6″	1'-9"	2'-6"	1'-3"	5′-6″	2′-9″
14	7′-8″	3′-10″	5′-8″	2′-10″	4'-2"	2'-1"	3'-0"	1′-6″	6′-5″	3'-3"
16	8'-9"	4'-4"	6'-6"	3′-3″	4'-8"	2'-3"	3'-4"	1'-8"	7′-6″	3′-8″
18	10'-0"	5′-0″	7′-3″	3′-8″	5′-4″	2'-8"	4'-0"	2'-0"	8'-6"	4'-0"
20	11'-0"	5′-6″	8'-0"	4'-0"	6'-0"	3'-0"	4'-4"	2'-2"	9'-2"	4'-7"
24	13'-4"	6′-8″	9′-6″	4'-10"	7′-2″	3'-10"	5′-4″	2'-6"	10'-10'	7 57-6"

THRUST RESTRAINT TABLE IS BASED ON PIPELINE PRESSURE OF 200 psi AND EARTH BEARING CAPACITY OF 1500PSF. DURING CONSTRUCTION, THE SPECIFIC SOIL TYPE MAY BE EVALUATED AND CONCRETE THRUST BLOCK SIZE REVISED AT THE DISCRETION OF THE ENGINEER.

- 2. ON LARGE DIAMETER PIPES WHERE LIMITATIONS OR CONSTRUCTION DIFFICULTIES RENDER CONCRETE THRUST BLOCKS NOT FEASIBLE OR IMPRACTICAL, JOINT SYSTEM MAY BE USED. THIS RESTRAINED JOINT SYSTEM MUST BE APPROVED BY THE ENGINEER.
- 3. CONCRETE SHALL BE 2500 psi MINIMUM CONFORMING TO KBH SPECIFICATIONS 601. 4. ACCESSIBILITY TO FITTINGS AND BOLTS MUST BE MAINTAINED.

		VERTI	CAL TH	HRUST	BL□CK	SCHE:	DULE	
PIPE	90° BEND		45° BEND		22 1/2° BEND		11 1/4° BENI	
NCHES)	>	Α	V	А	V	Α	V	Α
4	25	2.5	18	1	10	1	5	1
6	57	5.7	40	1.6	22	1	11	1
8	101	10	71	3	38	1	20	2
10	157	16	111	5	60	1	32	3
12	226	23	161	7	86	2	45	5
14	308	31	219	9	117	2,5	62	6
16	402	40	285	12	153	3	81	8
18	509	51	361	15	194	4	102	10
20	628	63	446	18	239	5	126	13
24	903	90	650	24	341	7	183	18

THRUST BLOCK DETAIL N.T.S



ANY TRENCH THAT DISTURBS PAVEMENT SHALL BE BACKFILLED WITH STONE REPLACE BITUMINOUS PAVEMENT WITH SAME TYPE AND DEPTH AS EXISTING PAVEMENT ANY PUBLICLY TRAVELED AREA (I.E. CITY STREETS, BUSINESS ENTRANCES, BUSINESS AND PUBLIC PARKING LOTS, ETC.) SHALL BE TEMPORARILY RESTORED AT THE END OF EACH WORK DAY USING AN APPROVED COLD PATCH ASPHALT PAVEMENT

> **NON STATE HIGHWAY BITUMINOUS PAVEMENT REPLACEMENT** N.T.S

PROJECT NO. 1814 DATE: APRIL 2018

DRAWN BY: CHECKED BY: DSB CHECKED BY: DMB

SCALE: AS NOTED

SHEET

SD-2

