TINFO.DAT

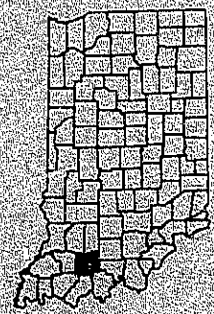
CONTRACT NO. RS-22825

INDIANA
DEPARTMENT OF TRANSPORTATION

BITUMINOUS RESURFACE

ON S.R. 164, SEC. 19, DUBOIS COUNTY,
FROM THE JCT. OF S.R. 162 (RP 0+50) (STA. 1+000)
TO THE JCT. OF S.R. 545 (RP 11+93) (STA. 19+468)

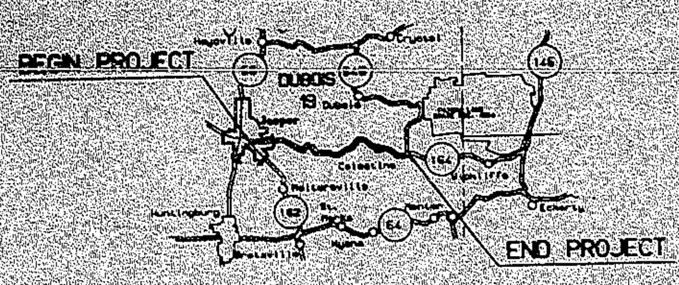
Federal Road Region 5	
TRAFFIC DATA	
A.D.T. (97)	2760 V.P.D.
A.D.T. (08) Proj.	3760 V.P.D.
D.H.V. ( )	V.P.H.
Directional Distribution	50 %
Trucks % D.H.V.	5 % A.D.T.
Mainline ESALS	400,000
Shoulder ESALS	
DESIGN DATA	
Design Speed	M.P.H. 50
Project Design Criteria	RESURFACING
Functional Class.	COLLECTOR
Rural/Urban	RURAL
Terrain	ROLLING



LOCATION OF SECTION

Gross Length 18.468 km.
Net Length 18.468 km.

NOTE: NO ADDITIONAL R/W REQ'D FOR THIS PROJECT.



PLANS PREPARED BY: ROBERT R. TURNER
PH (812)882-8330

ROBERT R. TURNER
REGISTERED
NO. 16791
STATE OF
PROFESSIONAL ENGINEER

DATE 9/15/97

PLANS CERTIFIED BY: Robert R. Turner

APPROVED FOR LETTING: [signature]
Vincennes District Director

Description Code 8718905
Indiana Department of Highways Standard Specification dated 1995 to be used with these plans.

CONTRACT NO. RS-22825

CONSTRUCTION PLANS
INDEX

PAGE	DESCRIPTION
1	Title Sheet
2	Construction Plans Index
3	Standard Drawing Index
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50	Turn Lane Information
51	INDOT Casting Locations
52-53	Utility Castings

STANDARD DRAWING INDEX
(For Information Only)

DRAWING NUMBER	DRAWING DATE	DRAWING NUMBER	DRAWING DATE
205-TECB-01	4/03/95	720-ICCA-14	4/03/95
205-TECB-02	9/01/95	720-INST-07	9/01/97
205-TECD-01	4/03/95	801-TCDV-01	9/01/97
205-TECD-02	9/01/95	801-TCDV-04	9/01/97
		801-TCDV-05	9/01/97
205-TECD-03	4/03/95	801-TCDV-08	7/03/95
205-TECD-04	4/03/95	801-TCFO-01	9/01/97
205-TECD-05	9/01/95	801-TCFO-02	4/01/96
205-TECI-01	9/01/95	801-TCFO-03	9/01/97
205-TECI-02	9/01/95	801-TCFO-06	9/01/97
205-TECI-03	6/03/96	801-TCLC-07	9/01/97
205-TECP-01	9/01/95	801-TCLC-08	7/03/95
205-TECP-02	9/01/95	801-TCLG-01	9/01/97
205-TECP-03	4/03/95	801-TCSN-01	7/03/95
205-TECP-04	4/03/95	801-TCSN-02	9/01/97
205-TECP-05	4/03/95	801-TCSN-04	9/01/97
205-TECS-01	4/03/95	801-TCSN-06	7/03/95
205-TECS-02	4/03/95	801-TCSN-09	1/02/96
205-TECS-03	9/01/95	801-TCSN-11	9/01/97
205-TECS-04	4/03/95	801-TCSN-12	9/01/97
714-BCEX-01	9/01/97	801-TCSN-13	9/01/97
714-BCEX-02	9/01/97	801-TCTC-05	5/01/97
715-MPES-01	4/03/95	805-SGDH-03	3/01/95
715-MPES-03	4/01/96	805-SGLI-01	6/03/96
715-PBFL-01	4/03/95	805-SGLI-02	3/01/95
715-PBFL-02	4/03/95	805-SGLT-01	3/01/95
715-PBFL-03	4/03/95	808-MKPM-01	3/01/95
715-PCEX-01	9/01/97	808-MKPM-02	3/01/95
715-PSDR-01	4/03/95	808-MKPM-03	3/01/95
715-PSDR-03	4/03/95	808-MKRM-09	3/01/95
715-SLDR-01	4/03/95	808-MKRM-10	3/01/95
715-SLDR-02	4/03/95		
720-ICCA-13	4/03/95		

RS - 22825

Strip Map
SR 164, Dubois County, from the Jct. SR 162 to the Jct. SR 545

STA 4 + 885 RP 3

STA 4 + 700 N. Trainer Lane

STA 4 + 390 Jasper - Dubois Road

STA 4 + 280 Whoderville Road

STA 3 + 340 Jasper City Limits

STA 3 + 310 Crossroads Avenue

STA 3 + 270 RP 2

STA 3 + 080 Crossroads Avenue

STA 2 + 980 Meridian St (flashing red light)

STA 2 + 390 Easy Street (dead end)

STA 2 + 020 Schnell Avenue (dead end)

STA 1 + 830 Sherri Avenue (dead end)

STA 1 + 670 RP 1

STA 1 + 400 Riverside Drive

STA 1 + 040 Hillside Drive (dead end)

STA 1 + 000 SR 162 Begin Project

1 XW 20-1 Road Construction Ahead
2 XW 20-2 Road Construction Next 12 Miles
3 XG 20-1 End of Constuction

STA 15 + 890 De-La-Halaudiere Road

STA 15 + 780 Celestine Road

STA 15 + 690 New Orleans Street

STA 15 + 560 Santine Road

STA 15 + 120 Celestine City Limits

STA 14 + 545 RP 9

STA 13 + 970 Steinbottom Road

STA 13 + 330 Beaver Dam Lake Road

STA 12 + 940 RP 8

STA 12 + 560 County Road 500 E

STA 11 + 325 RP 7

STA 11 + 300 County Road 425 E

STA 10 + 720 County Road 400 E

STA 9 + 700 County Road 330 E

STA 9 + 690 RP 6

STA 9 + 400 County Road 325 E

STA 8 + 125 RP 5

STA 7 + 300 N Schroering Road

STA 6 +500 RP 4

STA 6 + 000 Greener Road

RS - 22825

STA 19 + 468 End Project

STA 19 + 260 SR 545

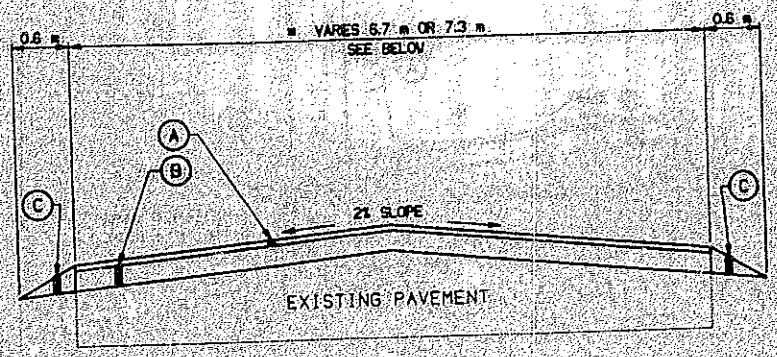
STA 18 + 510 County Road 820 E

STA 17 + 760 RP 11

STA 16 + 140 RP 10

STA 16 + 140 Celestine City Limits

Contract No. RS-22825



(A) 60 kg/square meter HMA SURFACE 9.5 mm, LV, MAINLINE

(B) VARIABLE DEPTH HMA INTERMEDIATE 19.0 mm, MAINLINE
TO OBTAIN 2% SLOPE:
180 kg/square meter AT CENTERLINE
90 kg/square meter AT EDGE OF PAVEMENT OR TURNLANE

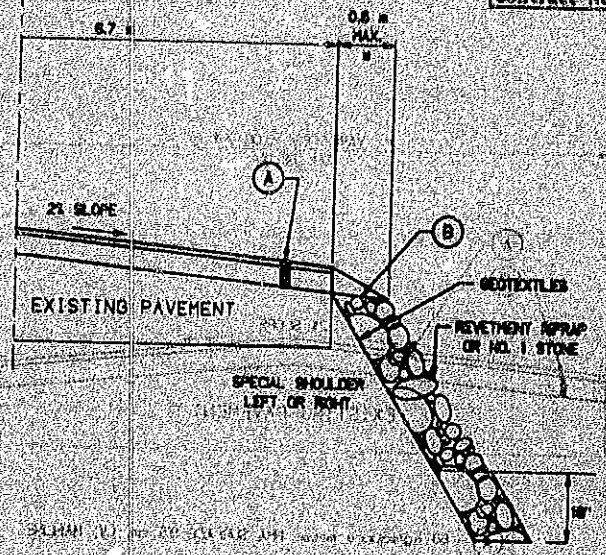
(C) Compacted Aggregate for shoulders, type 0 (to be primed)

NOTE: PERFORMANCE GRADED BINDER 64-22 SHALL
BE USED ON THE MAINLINE

■ FROM STA. 1+001 TO STA. 4+314 (7.3 m)
FROM STA. 4+314 TO STA. 19+468 (6.7 m)

TYPICAL SECTION
S.R. 164
DUBOIS COUNTY

Contract No. [illegible]



(A) SEE OTHER TYPICAL SECTIONS FOR BITUMINOUS OVERLAY.

(B) COMPACTED AGGREGATE FOR SHOULDER, TYPE "G" NO. 73.

WHERE CONDITIONS REQUIRE, A 75 mm DEEP AND 0.6 m MAXIMUM WIDE COMPACTED AGGREGATE SHOULDER ON RIPRAP OR NUMBER 1 STONE SHALL BE CONSTRUCTED. REVETMENT RIPRAP SHALL BE USED IN AREAS WHERE THE DITCH IS MORE THAN 0.9 m DEEP. OTHERWISE, NUMBER 1 STONE SHALL BE PLACED. NUMBER 1 STONE AND REVETMENT RIPRAP SHALL BE PLACED AT 460 mm THICKNESS. SEE LOCATION AND QUANTITY SHEET FOR MORE INFORMATION.

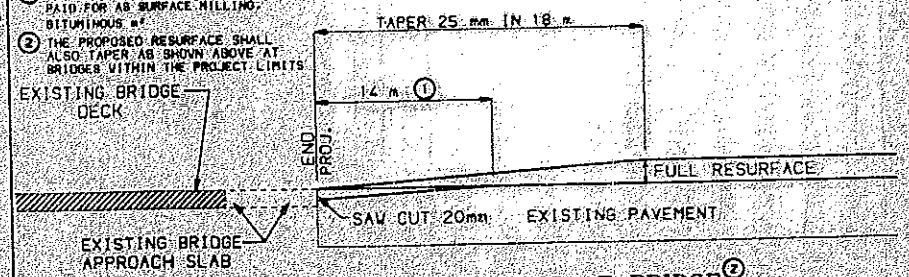
TYPICAL SECTION

S.R. 164

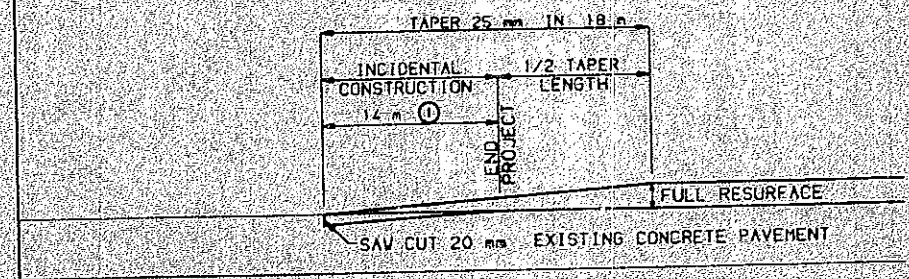
Contract No. RS-22825

① MILL 0 mm TO 20 mm AS SHOWN, TO BE PAID FOR AS SURFACE MILLING, BITUMINOUS m²

② THE PROPOSED RESURFACE SHALL ALSO TAPER AS SHOWN ABOVE AT BRIDGES WITHIN THE PROJECT LIMITS

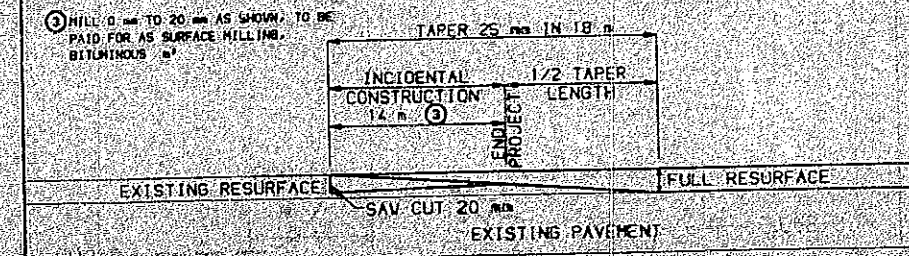


FOR PROJECT TERMINATING AT BRIDGE ②



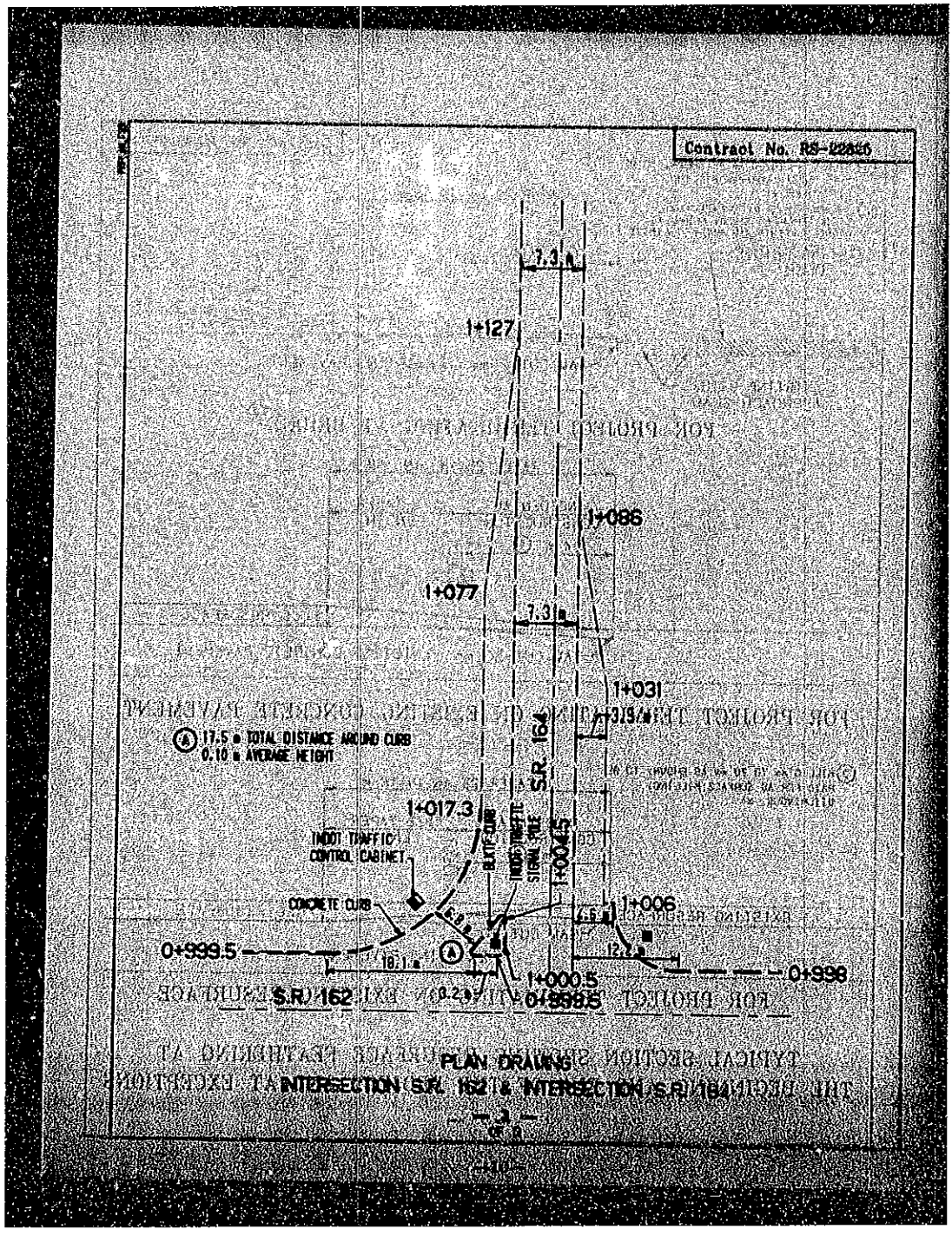
FOR PROJECT TERMINATING ON EXISTING CONCRETE PAVEMENT

③ MILL 0 mm TO 20 mm AS SHOWN, TO BE PAID FOR AS SURFACE MILLING, BITUMINOUS m²

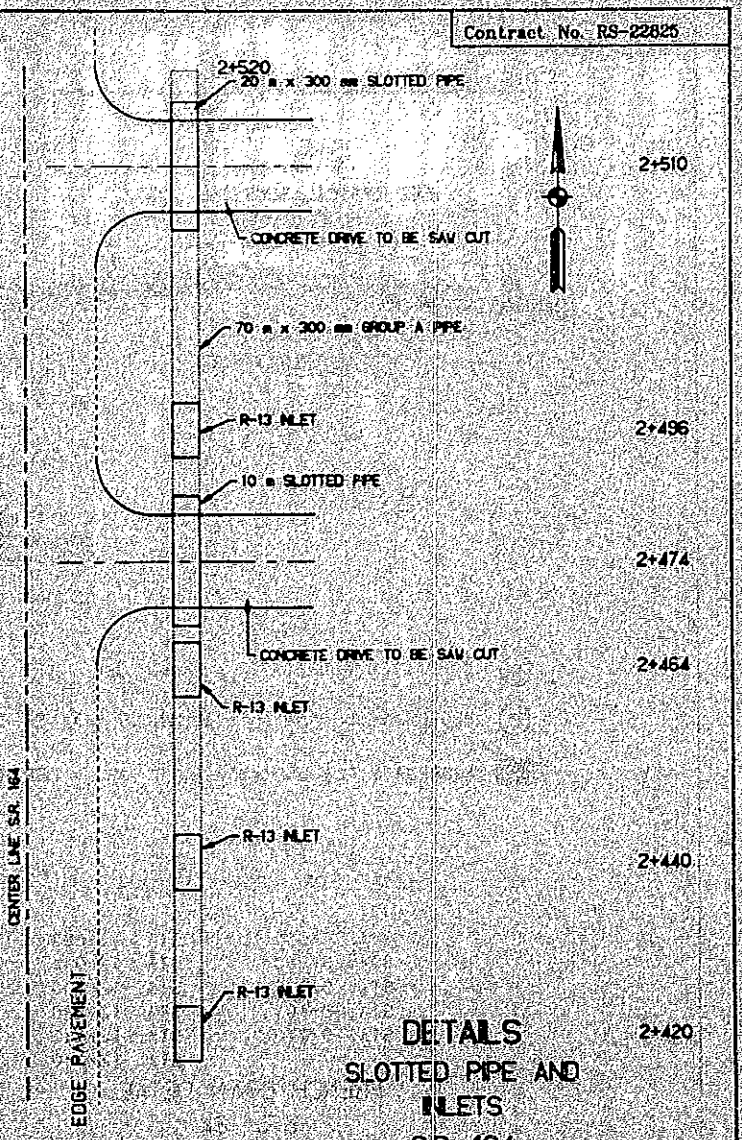


FOR PROJECT TERMINATING ON EXISTING RESURFACE

TYPICAL SECTION SHOWING RESURFACE FEATHERING AT THE BEGINNING AND END OF THE PROJECT AND AT EXCEPTIONS

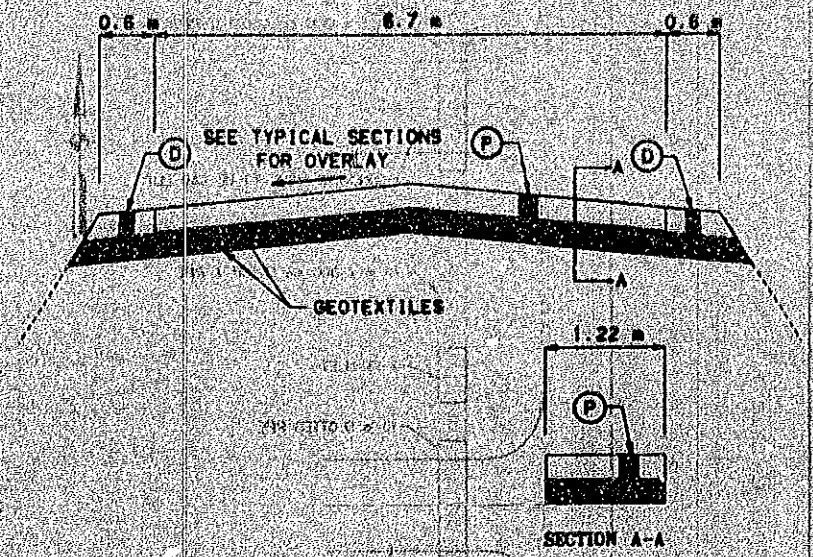

Contract No. RS-22826
7.3 m
1+127
1+086
1+077
7.3 m
1+031
3.9 m
17.5 m TOTAL DISTANCE AROUND CURB
0.10 m AVERAGE HEIGHT
S.R. 164
1+017.3
INDOT TRAFFIC CONTROL CABINET
BLKTF CURB
INDOT TRAFFIC SIGNAL POLE
1+004.5
CONCRETE CURB
1+006
0+999.5
18.1 m
12.2 m
0+998
1+000.5
0+999.5
S.R. 162
PLAN DRAWING
INTERSECTION S.R. 162 & INTERSECTION S.R. 164

Contract No. RS-22825



DETAILS
SLOTTED PIPE AND
INLETS
S.R. 164

Contract No. [illegible]



D COMPACTED AGGREGATE FOR SHOULDER, TYPE 'O', NO. 73

P 850 kg/square meter BITUMINOUS MIXTURE FOR PATCHING

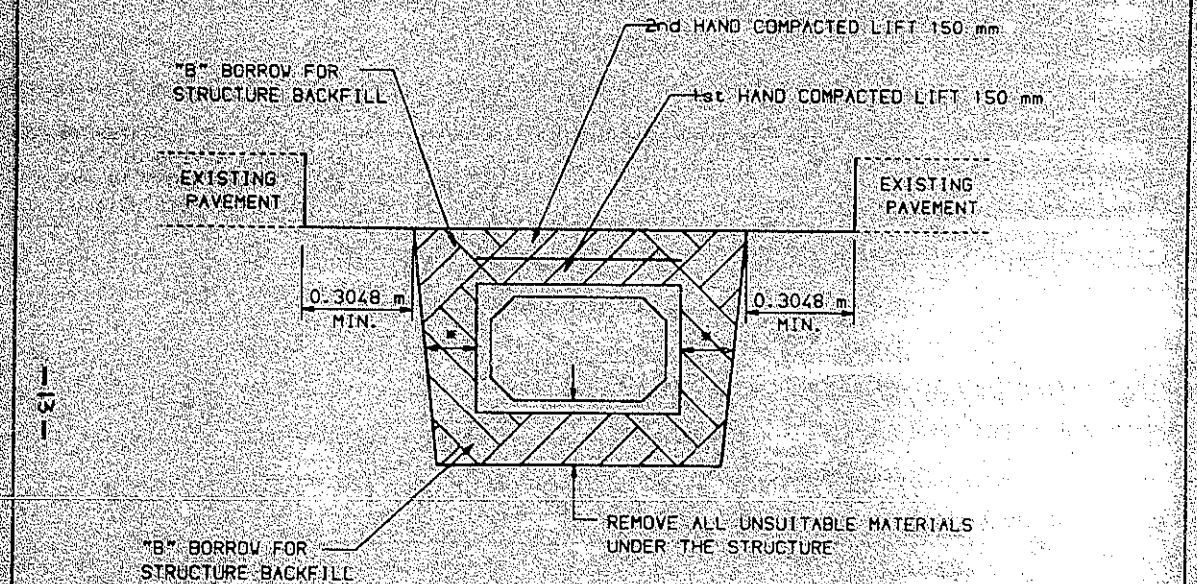
AGGREGATE FOR UNDERDRAIN, 8 (0.3 m DEPTH)

FOR INFORMATION ONLY

STA. 5+900	STA. 11+080
STA. 5+930	STA. 12+040
STA. 8+280	STA. 12+100
STA. 9+100	STA. 12+120
STA. 9+770	STA. 12+140
	STA. 12+140

FRENCH DRAIN DETAIL

S.R. 164



SEE STRUCTURE DATA TABLE FOR SPAN AND RISE OF APPROPRIATE STRUCTURES.

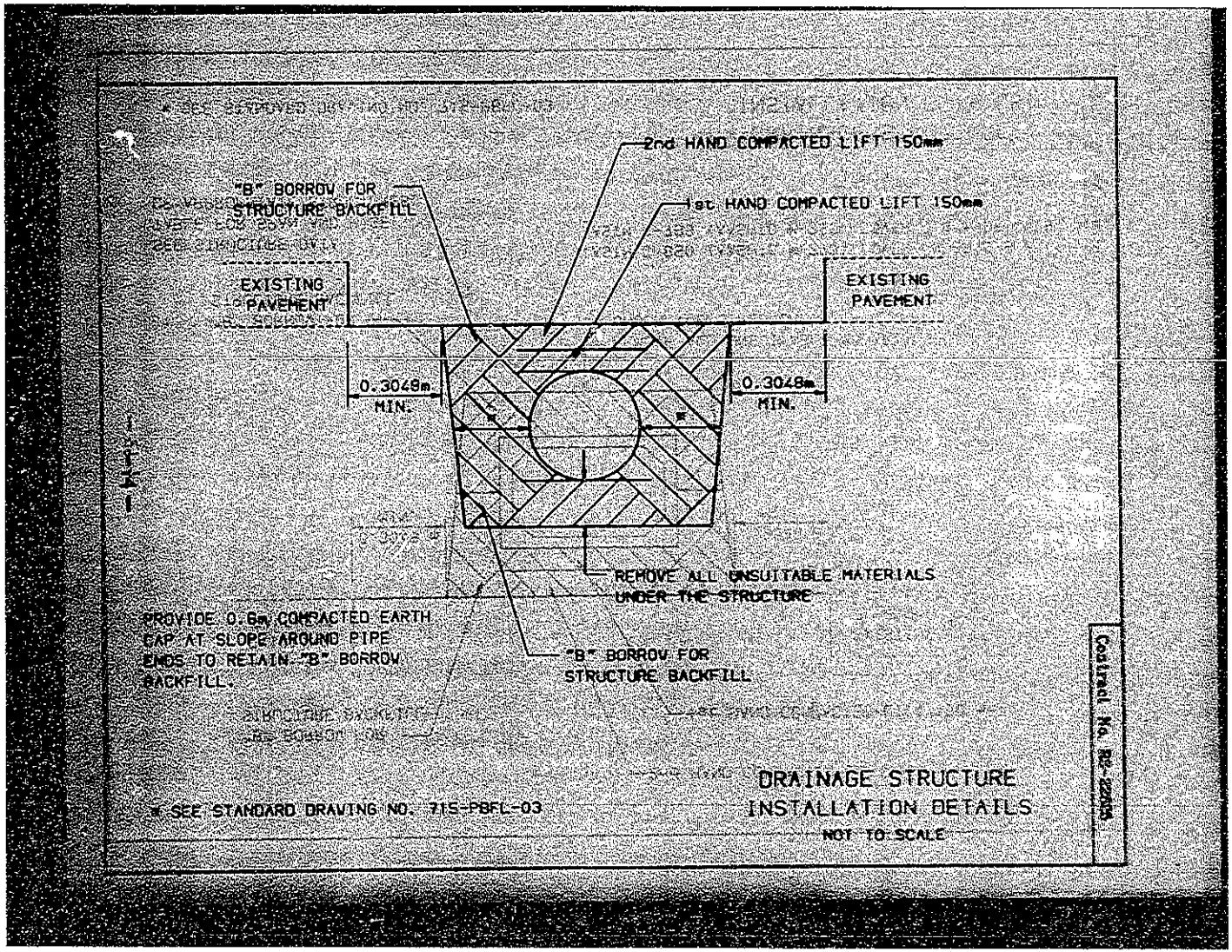
ASTM C-850 (AASHTO M-273) COVER UNDER 0.6 m
ASTM C-789 (AASHTO M-259) COVER 0.6 m OR OVER

* SEE STANDARD DRAWING NO. 715-PBFL-03

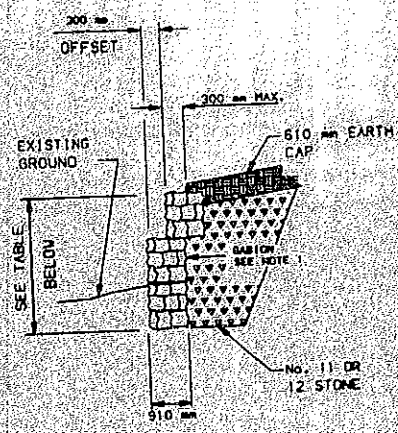
DRAINAGE STRUCTURE INSTALLATION DETAILS

NOT TO SCALE

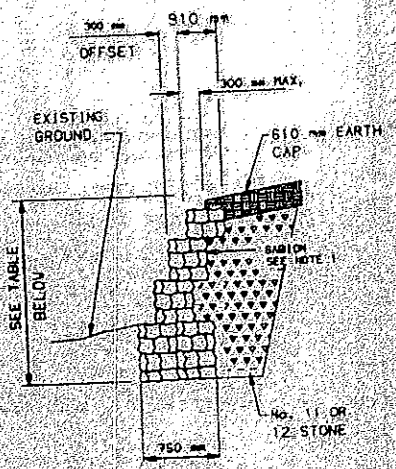
Contract No. RS-22625


2nd HAND COMPACTED LIFT 150mm
"B" BORROW FOR STRUCTURE BACKFILL
1st HAND COMPACTED LIFT 150mm
EXISTING PAVEMENT
EXISTING PAVEMENT
0.3048m MIN.
0.3048m MIN.
REMOVE ALL UNSUITABLE MATERIALS UNDER THE STRUCTURE
PROVIDE 0.6m COMPACTED EARTH CAP AT SLOPE AROUND PIPE ENDS TO RETAIN "B" BORROW BACKFILL.
"B" BORROW FOR STRUCTURE BACKFILL
* SEE STANDARD DRAWING NO. 715-PBFL-03
DRAINAGE STRUCTURE
INSTALLATION DETAILS
NOT TO SCALE
Contract No. R2-22605

Contract No. RS-22825



GABIONS LESS THAN 2440 mm EXPOSED WALL HEIGHT



GABIONS GREATER THAN OR EQUAL TO 2440 mm EXPOSED WALL HIEGHT

GABION WALL HEIGHT TABLE

EXPOSED WALL HEIGHT (mm) (SEE NOTES 2,3)	BURIED WALL HEIGHT (mm) (SEE NOTE 2-a)	WIDTH OF BURIED WALL (mm)
610	LESS	910
910 TO 2135	1/2 THE EXPOSED WALL HEIGHT	910
2440 AND OVER	1/2 THE EXPOSED WALL HEIGHT	750

— FOR NOTES, SEE "NOTES FOR GABION DETAILS AND SECTIONS" SHEET.

— ALL WORK THAT IS NOT PAID FOR SEPERATELY WILL BE INCLUDED IN THE COST OF THE GABIONS.

GABION
DETAILS AND SECTIONS

Contract No. RS-22835

1. HAND LAID RIPRAP SHALL BE PLACED IN GABIONS WITH GEOTEXTILES ON TOP, BOTTOM, BACK AND ENDS (TYPICAL).

2. THE FIRST EXPOSED GABION SHALL BE CENTERED OVER BURIED GABIONS.

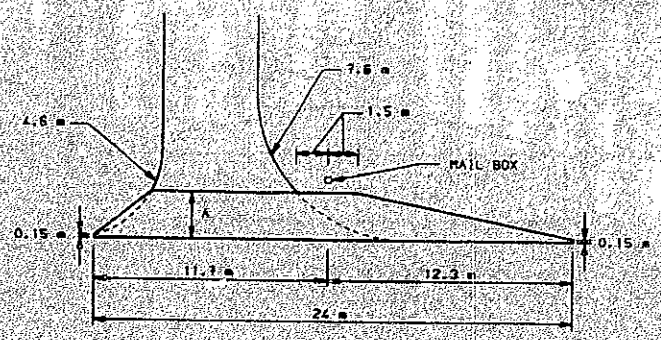
3. THE OFFSET ON THE EXPOSED GABION SHALL BE 300 mm.

4. ALL BURIED GABIONS SHALL HAVE NO OFFSET.

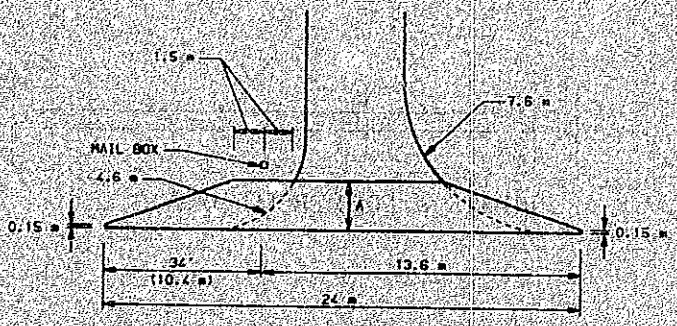
5. IF ROCK IS ENCOUNTERED, THE GABIONS SHALL BE KEYED INTO SOUND ROCK A MINIMUM OF SIX INCHES. AFTER THE BOTTOM GABION IS SET IN THE KEYED AREA, GROUT SHALL BE PLACED IN THIS AREA TO PREVENT WATER INFILTRATION. THIS WORK SHALL INCLUDE GROUT GABIONS, ROCK EXCAVATION, AND ALL INCIDENTAL CONSTRUCTION, WILL BE PAID FOR IN THE FOLLOWING MANNER. A GABION WHICH IS SET IN THE KEYED AREA AND GROUTED WILL BE PAID FOR AT TWO TIMES THE MEASURED DEPTH OF THE GABION IN THE AREA. FOR EXAMPLE A 810 mm TALL GABION KEYED IN 300 mm DEPTH WILL BE PAID FOR AS A GABION 1210 mm TALL.

NOTES FOR GABION DETAILS & SECTIONS

Contract No. RS-22825



COMBINATION MAIL BOX & DRIVE (INGRESS)

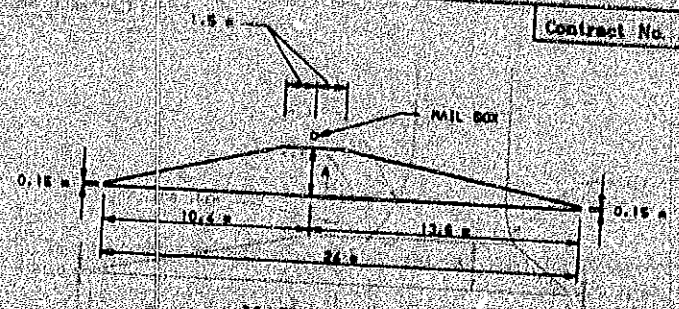


COMBINATION MAIL BOX & DRIVE (EGRESS)

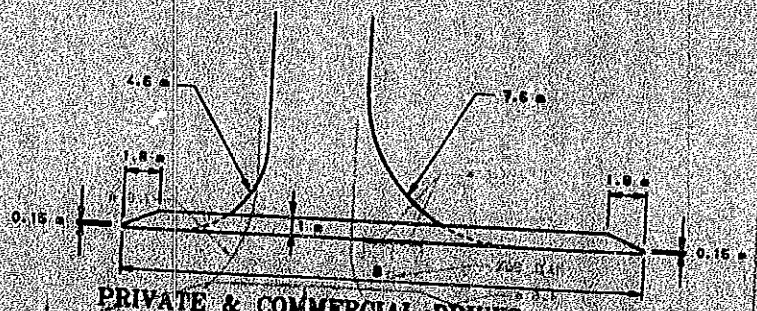
A = MAXIMUM WIDTH 2.44 m SHALL BE 2.44 m WHERE CONDITIONS PERMIT.

TYPICAL APPROACH DETAILS

Contract No. RS-22805



MAIL BOX



PRIVATE & COMMERCIAL DRIVES

A = MAXIMUM WIDTH 2.44 m SHALL BE 3.44 m WHERE CONDITIONS PERMIT.
B = PRIVATE DRIVES, 15.00 m TO 18.29 m
COMMERCIAL DRIVES, 18.29 m TO 30.48 m

TYPICAL APPROACH DETAILS

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION: LOCATION STA.	LOCATION: LEFT	LOCATION: RIGHT	LOCATION: CROSS	SIZE mm	DESCRIPTION: GROUP	DESCRIPTION: SEE STD. SHEET "MP" FOR ACCEPTABLE TYPE OF PIPE WITHIN EACH GROUP.	LENGTH m	SKEW	FLOW LINE: COVER m	FLOW LINE: UP STREAM ELEV.	FLOW LINE: DOWN STREAM ELEV.	CONCRETE CLASS "A" m³	TO BE BORROW FOR STR. BACKFILL m³	BACKFILL METHOD	THICKNESS: STEEL mm	THICKNESS: ALUM. mm	COMMON EXCAVATION m³	RIPRAP m²	PIPE END SECTION EA.	PRELIM. STEEL kg	REMARKS
	2+420 TO 2+520		X		300	A		100		0.4				10	B					2		INSTALL 70 m OF 300 mm PIPE WITH END SECTIONS, AND 30 m OF 300 mm SLOTTED PIPE. CONSTRUCT TYPE "F-13" INLETS AT STATIONS 2+420, 2+440, 2+460 AND 2+480
	2+900	X			300	A		18		0.6				12	A					2		REMOVE OLD PIPE. INSTALL 18 m OF 300 mm PIPE AND 2 END SECTIONS.
	4+184			X	450	A		18		0.5				11	A					2		REMOVE OLD PIPE. INSTALL 15 m OF 450 mm PIPE AND 2 END SECTIONS.
	4+280	X			375	A		12		0.4				3	B					2		REMOVE OLD PIPE. INSTALL 12 m OF 375 mm PIPE AND 2 END SECTIONS.
	5+070		X		450	A		5		0.5				4	A					1		EXTEND PIPE ON RIGHT AND INSTALL END SECTION.
	6+175		X		600	A		3		0.5				3	A					2		EXTEND EXISTING PIPE 1.2 m ON LEFT AND 1.6 m ON RIGHT. ADD 2 END SECTIONS.
	15+220		X		1900 x 1900			2.4		0.4				1	A							REMOVE TWO HEADWALLS. EXTEND 1900 mm x 1900 mm CONCRETE BOX 1.2 m ON LEFT AND RIGHT.
	15+630		X		380	A		0.6		0.4				1	A							EXTEND 380 mm PIPE 0.6 m ON LEFT. INSTALL 2 GRATES ON RIGHT.

① ALL EXISTING FIELD TILES AND DRAINAGE PIPES WILL BE CONNECTED INTO NEW PIPES OR INTO NEW INLETS. THE COST OF WHICH WILL BE INCLUDED IN "PIPE, GROUP L-6 IN."

② PIPE BANDS ARE REQUIRED FOR EXTENSIONS. THE COST OF PIPE BANDS SHALL BE INCLUDED IN THE COST OF THE EXTENSIONS.

③ SEE RUNUP LOCATION SHEET FOR QUANTITIES.

* IF CONTRACTOR ELECTS TO USE METAL PIPE, THICKNESS AS SHOWN BELOW AND 30 MM USED.

** FOR ADDITIONAL INFORMATION SEE PLAN SHEETS IN CONTRACT DOCUMENTS.

LEGEND FOR ABBREVIATION

F.B.C.C.S./P.I. - FULLY BITUMINOUS COATED CORRUGATED STEEL WITH PAVED INVERT.

F.B.C.C.A.A./P.I. - FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ALLOY WITH PAVED INVERT.

F.B.C.C.S. - FULLY BITUMINOUS COATED CORRUGATED STEEL.

C.S. - CORRUGATED STEEL.

C.A.A. - CORRUGATED ALUMINUM.

S.P.S. - STRUCTURAL PLATE STEEL.

P.C.C.S. - PRECOATED GALVANIZED CORRUGATED STEEL.

F.B.C.S./P.I. - FULLY BITUMINOUS COATED CORRUGATED STEEL ARCH WITH PAVED INVERT.

F.B.C.C.A.A./P.I. - FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ARCH WITH PAVED INVERT.

F.B.C.C.S. - FULLY BITUMINOUS COATED CORRUGATED STEEL ARCH.

F.B.C.C.A.A. - FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ARCH.

C.S.A. - CORRUGATED STEEL ARCH.

C.A.A. - CORRUGATED ALUMINUM ARCH.

S.P.S.A. - STRUCTURAL PLATE STEEL ARCH.

Contract No. RS-22825

STRUCTURE DATA

LOCATION					DESCRIPTION		FLOW LINE												REMARKS
LOCATION																			
STA.				mm	SEE STD. SHEET TYPE FOR ACCEPTABLE TYPE OF PIPE WITHIN EACH GROUP.	GRP. NO.	SKEW ∠	COVER	UP STREAM ELEV.	DOWN STREAM ELEV.	CONCRETE CLASS	BORING NO.	BORING ELEV.	EXCAVATION	STEEL	PIPE	CAPACITY EXCAVATION	PIPE LOG	BELLOW	WELDED STEEL	
								m	m										
(1)			X	600	A			18	2.6						6	6					REMOVE OLD PIPE. INSTALL 18 m OF 600 mm PIPE AND CONSTRUCT 1-13 INLET.
(2)																			
(3)																			
	16+640		X	600	A			18							18	6					REMOVE OLD PIPE. INSTALL 18 m OF 600 mm PIPE, AND CONNECT TO 1-13 INLET.
	17+420		X	1800 x 900				1.7	2.0	2.3					1	6					EXTEND 1800 mm X 900 mm BOX CULVERT 6.6 m ON LEFT AND RIGHT.
	18+000		X	900	A			0.6							1	6					EXTEND 900 mm PIPE 6.6 m ON LEFT. PLACE REPRAP ON RIGHT.
	18+210		X	900 x 900				3.	2.0						1	6					EXTEND 900 mm x 900 mm CONC. BOX CULVERT 1 m ON LEFT AND RIGHT.
	18+360		X	1200 x 900				3.	1.7	2.3					1	6					EXTEND 1200 mm x 900 mm CONC. BOX CULVERT 1.5 m ON LT. AND RT.
	18+510		X	900 x 900				4		2.5					1	6					REMOVE CMP EXTENSION ON 900 mm x 900 mm CONC. BOX CULVERT. EXTEND BOX CULVERT 6 m ON LEFT AND RIGHT.
	18+655		X	2400 x 1200				3	2.0	2.5					1	6					EXTEND 2400 mm x 1200 mm CONC. BOX CULVERT 1.5 m ON LEFT AND RIGHT. PLACE REPRAP.

(1) ALL EXISTING YIELD TILES AND MANHOLE PIPES WILL BE CONNECTED INTO NEW PIPES OR BOX REV. INLETS. THE COST OF WHICH WILL BE INCLUDED IN "PIPE, BORE L.S. & DN."

(2) PIPE BANDS ARE REQUIRED FOR EXTENSIONS. THE COST OF PIPE BANDS SHALL BE INCLUDED IN THE COST OF THE EXTENSIONS.

(3) SEE SUMMARY LOCATIONS SHEET FOR QUANTITIES.

* IF CONTRACTOR ELECTS TO USE METAL PIPE, THICKNESS AS SHOWN BELOW ARE TO BE USED.

* FOR ADDITIONAL INFORMATION SEE PLAN SHEETS IN CONTRACT DOCUMENTS.

LEGEND FOR ABBREVIATION

F.B.C.C.P.(.) - FULLY BITUMINOUS COATED CORRUGATED STEEL WITH PAVED INVERT.

F.B.C.C.A.P.(.) - FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ALLOY WITH PAVED INVERT.

F.B.C.C.(.) - FULLY BITUMINOUS COATED CORRUGATED STEEL.

C.S. - CORRUGATED STEEL.

C.A.A. - CORRUGATED ALUMINUM.

S.P.S. - STRUCTURAL PLATE STEEL.

P.S.S.C. - PRESTRESSED SPUN CONCRETE CORRUGATED STEEL.

F.B.C.C.L.P.(.) - FULLY BITUMINOUS COATED CORRUGATED STEEL WITH LOW PAVED INVERT.

F.B.C.C.A.L.P.(.) - FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ALLOY WITH LOW PAVED INVERT.

F.B.C.A.(.) - FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ALLOY.

F.B.C.L.(.) - FULLY BITUMINOUS COATED CORRUGATED STEEL WITH LOW PAVED INVERT.

S.P.A.(.) - STRUCTURAL PLATE ALUMINUM ALLOY.

Contract No. 123-22866

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION: LOCATION STA.	LOCATION: LEFT	LOCATION: RIGHT	LOCATION: CROSS	SIZE mm	DESCRIPTION: GROUP	DESCRIPTION: SEE STD. SHEET "MP" FOR ACCEPTABLE TYPE OF PIPE WITHIN EACH GROUP.	LENGTH M	SKEW	FLOW LINE: COVER M	FLOW LINE: UP STREAM ELEV.	FLOW LINE: DOWN STREAM ELEV.	CONCRETE CLASS "A" M^3	"B" BORROW FOR STR. BACKFILL M^3	BACKFILL METHOD	THICKNESS: STEEL * MM	THICKNESS: ALUM. * MM	COMMON EXCAVATION M^3	RIPRAP M^2	PIPE END SECTION EA.	REINF. STEEL KG	REMARKS
	19+098			X	900 x 600			2.4						1	A							REMOVE EXISTING CMP EXTENSION ON 900 mm x 600 mm CONC. BOX CULVERT. EXTEND BOX 1.2 m ON LEFT AND RIGHT. PLACE RADIONS ON RIGHT SIDE (1.5 m x 30 m)

① ALL EXISTING FIELD TILES AND DRAINAGE PIPES WILL BE CONNECTED INTO NEW PIPES OR INTO NEW INLETS. THE COST OF WHICH WILL BE INCLUDED IN "PIPE, GROUP L. & IN."

② PIPE BANDS ARE REQUIRED FOR EXTENSIONS. THE COST OF PIPE BANDS SHALL BE INCLUDED IN THE COST OF THE EXTENSIONS.

③ SEE RIPRAP LOCATIONS SHEET FOR QUANTITIES.

* IF CONTRACTOR ELECTS TO USE METAL PIPE, THICKNESS AS SHOWN BELOW ARE TO BE USED.

** FOR ADDITIONAL INFORMATION SEE PLAN SHEETS IN CONTRACT DOCUMENTS.

LEGEND FOR ABBREVIATION

F.B.C.C.S./P.I. - FULLY BITUMINOUS COATED CORRUGATED STEEL WITH PAVED INVERT.
F.B.C.C.A.A./P.I. - FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ALLOY WITH PAVED INVERT.
F.B.C.C.S. - FULLY BITUMINOUS COATED CORRUGATED STEEL.
C.S. - CORRUGATED STEEL.
C.A.A. - CORRUGATED ALUMINUM.
S.P.S. - STRUCTURAL PLATE STEEL.
P.B.C.S. - PRECOATED GALVANIZED CORRUGATED STEEL.

F.B.C.S.A./P.I. - FULLY BITUMINOUS COATED CORRUGATED STEEL ARCH WITH PAVED INVERT.
F.B.C.C.A.A./P.I. - FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ARCH WITH PAVED INVERT.
F.B.C.C.A. - FULLY BITUMINOUS COATED CORRUGATED STEEL ARCH.
F.B.C.C.A.A. - FULLY BITUMINOUS COATED CORRUGATED ALUMINUM ARCH.
C.S.A. - CORRUGATED STEEL ARCH.
C.A.A. - CORRUGATED ALUMINUM ARCH.
S.P.S.A. - STRUCTURAL PLATE STEEL ARCH.

Contract No. RS-22825

Contract No. RS-22825

LOCATION AND QUANTITY SHEET
(For Information Only)

BITUMINOUS MIXTURE FOR PATCHING 600 kg/m²

SR 164 Patch

Location STA / RP	Width (m)	Length (m)	Area (m2)	Weight (Mg)
1 + 095	1.5	2	3	1.8
1 + 205	1.5	2	3	1.8
1 + 225	1.5	2	3	1.8
1 + 230	1.5	2	3	1.8
1 + 240	1.5	2	3	1.8
1 + 360	1.5	2	3	1.8
1 + 860	1.5	2	3	1.8
1 + 930	1.5	2	3	1.8
2 + 120	1.5	2	3	1.8
2 + 530	2	3	6	3.6
2 + 840	1.5	2	3	1.8
2 + 880	1.5	2	3	1.8
2 + 980	5	8	40	24.0
3 + 460	1.5	2	3	1.8
3 + 820	1.5	3	4.5	2.7
3 + 880	1.5	2	3	1.8
4 + 020	1.5	2	3	1.8
4 + 620	1.5	2	3	1.8
4 + 660	1.5	2	3	1.8

Contract No. RS-22825

LOCATION AND QUANTITY SHEET
(For Information Only)

BITUMINOUS MIXTURE FOR PATCHING 600 kg/m

SR 164 Patch

Location STA / RP	Width (m)	Length (m)	Area (m2)	Weight (Mg)
4 + 740	1.5	2	3	1.8
5 + 260	1.5	2	3	1.8
5 + 380	1.5	2	3	1.8
5 + 840	1.5	2	3	1.8
6 + 200	1.5	2	3	1.8
6 + 300	1.5	2	3	1.8
6 + 400	1.5	2	3	1.8
6 + 860	1.5	3	4.5	2.7
7 + 250	1.5	2	3	1.8
7 + 460	1.5	2	3	1.8
8 + 140	1.5	2	3	1.8
8 + 900	1.5	2	3	1.8
9 + 120	1.5	2	3	1.8
9 + 360	1.5	2	3	1.8
9 + 750	1.5	2	3	1.8
10 + 200	1.5	2	3	1.8
10 + 810	1.5	2	3	1.8
11 + 020	1.5	3	4.5	2.7
12 + 080	2	3	6	3.6

Contract No. RS-22825

LOCATION AND QUANTITY SHEET
(For Information Only)

BITUMINOUS MIXTURE FOR PATCHING 600 kg/m

SR 164 Patch

Location STA / RP	Width (m)	Length (m)	Area (m2)	Weight (Mg)
12+140	2	4	8	4.8
12+170	2	8	16	9.6
12+170	1.5	4	6	3.6
15+300	1.5	3	4.5	2.7
16+160	1.5	2	3	1.8
16+150	1.5	3	4.5	2.7
16+840	1.5	4	6	3.6
17+050	1.5	2	3	1.8
18+060	1.5	3	4.5	2.7
18+070	1.5	3	4.5	2.7
18+190	1.5	2	3	1.8
18+490	1.5	3	4.5	2.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	PATCHING	FOR FRENCH	DRAINS	80.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	TOTAL	217.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

REVETMENT RIP RAP LOCATIONS

(For Information Only)

Location		Quantity
4 + 740	Rt	10 Mg
5 + 060	Lt	10 Mg
6 + 070	Lt	10 Mg
6 + 175	Rt	10 Mg
18 + 080	Rt	10 Mg
18 + 510	Lt	10 Mg
18 + 855	Rt	80 Mg

Contract No. RS -22825

SURFACE MILLING, BITUMINOUS

(For Information Only)

Location	Area (M²)	Remarks
1 + 000	260	SR 162 Intersection
2 + 980	140	Meridian Street
19 + 468	94	Tie-in to old pavement

LOCATION AND QUANTITY SHEET
(For Information Only)

LINEAR DITCH GRADING

Station to Station		Side
3 + 000	3 + 020	Lt
3 + 000	3 + 020	Rt
3 + 100	3 + 200	Rt
3 + 500	3 + 560	Rt
4 + 140	4 + 280	Rt
4 + 660	4 + 700	Rt
4 + 960	5 + 060	Rt
7 + 100	7 + 180	Rt
7 + 800	7 + 940	Rt
9 + 860	9 + 900	Lt
16 + 340	16 + 600	Lt
16 + 340	16 + 600	Rt
17 + 415	17 + 940	Lt
18 + 000	18 + 200	Lt

Contract No. RS-22825

SPECIAL SHOULDER CONSTRUCTION TABLE

(For Information Only)

Location	Side	Width (M)	Revetment Riprap (Mg)	No. 1 Stone (Mg)	Geotextiles (M²)
3 + 510 - 3 + 910	Lt/Rt	1.0		545	1280
4 + 400 - 4 + 600	Lt/Rt	1.0		272	640
4 + 750 - 4 + 880	Lt/Rt	1.0		177	416
5 + 300 - 5 + 400	Lt	1.0	68		160
5 + 500 - 5 + 600	Rt	1.0	68		160
5 + 580 - 5 + 640	Lt	1.0	41		96
5 + 700 - 5 + 760	Lt/Rt	1.0	41		192
6 + 060 - 6 + 100	Lt/Rt	1.0	55		128
6 + 300 - 6 + 480	Lt	1.0		122	576
6 + 520 - 6 + 620	Rt	1.0	68		160
6 + 600 - 6 + 700	Lt	1.0	68		160
6 + 800 - 6 + 880	Lt	1.0	55		128
7 + 500 - 7 + 560	Lt/Rt	1.0	41		192
7 + 640 - 7 + 740	Lt	1.0	68		160
7 + 960 - 8 + 060	Lt/Rt	1.0	136		320
8 + 150 - 8 + 370	Lt/Rt	1.0		163	384
8 + 540 - 8 + 780	Lt/Rt	1.0		326	768
9 + 940 - 10 + 060	Lt/Rt	1.0		164	384
10 + 260 - 10 + 360	Lt/Rt	1.0	136		320
10 + 760 - 10 + 920	Lt	1.0		108	256
11 + 120 - 11 + 300	Rt	1.0		122	288
11 + 530 - 11 + 800	Lt	1.0		184	432
11 + 880 - 11 + 980	Lt/Rt	1.0	136		320
12 + 340 - 12 + 460	Rt	1.0		82	192
12 + 550 - 12 + 650	Lt	1.0	68		160
12 + 760 - 12 + 960	Lt	1.0		136	320
13 + 260 - 13 + 340	Rt	1.0	55		128
14 + 060 - 14 + 400	Lt/Rt	1.0		464	1088
14 + 960 - 15 + 000	Lt/Rt	1.0	55		128
15 + 230 - 15 + 260	Lt/Rt	1.0	41		96
16 + 720 - 17 + 000	Lt/Rt	1.0		382	256
17 + 180 - 17 + 940	Lt/Rt	1.0		1036	2432
18 + 080 - 18 + 720	Lt/Rt	1.0		872	2048
18 + 800 - 19 + 060	Lt/Rt	1.0		354	832
TOTALS			1200	5509	15600

Contract No. RS - 22825

APPROACH TABLE
(For Information Only)

Location (STA/RP)	Side (LT/RT)	Approach type	Area m2	Weight Mg	Remarks
1 + 034	Lt	Private drive	7.00	1.3	Curb is stepped down
1 + 035	Rt	City Street	123.20	23.4	
1 + 102	Rt	Commercial Drive	47.50	9.0	
1 + 106	Lt	Private Drive	6.70	1.3	
1 + 115	Lt	Mailbox	41.70	7.9	2 boxes - Cannot be moved - Steep slope
1 + 216	Rt	Private Drive	11.80	2.2	
1 + 234	Lt	Egress	42.40	8.1	
1 + 267	Lt	Ingress	34.75	6.6	
1 + 340	Rt	Private Drive	17.65	3.4	
1 + 370	Rt	Field Entrance	5.65	1.1	
1 + 390	Lt	City Street	99.50	18.9	
1 + 418	Rt	Field Entrance	7.20	1.4	
1 + 495	Rt	Field Entrance	10.45	2.0	
1 + 525	Rt	Private Drive	18.30	3.5	
1 + 555	Rt	Egress	32.98	6.3	Mailbox - cannot be moved (ditch)
1 + 571	Rt	Egress	37.18	7.1	Mailbox - cannot be moved (ditch)
1 + 620	Rt	Private Drive	7.10	1.3	
1 + 633	Rt	Private Drive	7.55	1.4	
1 + 645	Rt	Mailbox	22.80	4.3	
1 + 664	Lt	Private Drive	13.55	2.6	
1 + 666	Rt	Private Drive	9.75	1.8	
1 + 693	Rt	Mailbox	38.23	7.3	3 boxes - Cannot be moved - Concrete steps

Contract No. RS - 22825

APPROACH TABLE
(For Information Only)

Location (STA/KM)	Side (LT/RT)	Approach type	Area m^2	Weight Mg	Remarks
1 + 712	Rt	Private Drive	19.75	3.8	
1 + 753	Rt	Private Drive	5.90	1.1	
1 + 770	Rt	Egress	19.11	3.6	Mailbox - Cannot be moved (ditch)
1 + 801	Lt	Private Drive	10.35	2.0	
1 + 810	Lt	Private Drive	9.85	1.9	
1 + 812	Rt	Egress	26.06	5.0	10 boxes - Cannot be moved (ditch)
1 + 819	Lt	Private Drive	5.50	1.0	
1 + 831	Rt	City Street	44.22	8.4	
1 + 839	Lt	Private Drive	11.30	2.1	
1 + 847	Rt	Ingress	15.96	3.0	Mailbox - Cannot be moved (ditch)
1 + 859	Lt	Private Drive	9.80	1.7	
1 + 871	Rt	Ingress	15.24	2.9	2 boxes - Cannot be moved (ditch)
1 + 893	Lt	Private Drive	8.15	1.5	
1 + 909	Rt	Egress	42.40	8.1	3 boxes
1 + 936	Rt	Private Drive	21.60	4.1	
1 + 948	Rt	Private Drive	6.20	1.2	
1 + 957	Lt	Private Drive	6.50	1.2	
1 + 959	Rt	Egress	24.33	4.6	Mailbox - Cannot be moved (fire hydrant)
1 + 966	Rt	Ingress	24.33	4.6	Mailbox - Cannot be moved (fire hydrant)
1 + 976	Lt	Private Drive	6.25	1.2	
1 + 983	Rt	Private Drive	17.55	3.3	

APPROACH TABLE
(For Information Only)

Location (STA/RP)	Side (LT/RT)	Approach type	Area m2	Weight Mg	Remarks
1 + 998	Lt	Private Drive	6.80	1.3	
2 + 007	Rt	Ingress	42.40	8.1	5 boxes
2 + 020	Lt	Private Drive	7.75	1.5	
2 + 023	Rt	Mailbox	27.80	5.3	5 boxes - Cannot be moved (ditch)
2 + 029	Rt	City Street	31.36	6.0	
2 + 038	Lt	Private Drive	7.20	1.4	
2 + 050	Rt	Egress	42.40	8.1	7 boxes
2 + 053	Lt	Private Drive	7.05	1.3	
2 + 070	Rt	Commercial Drive	18.65	3.5	
2 + 077	Lt	City Street	29.40	5.6	
2 + 107	Lt	Private Drive	7.10	1.3	
2 + 120	Rt	Ingress	20.85	4.0	Mailbox - Cannot be moved (steep slope)
2 + 137	Lt	Private Drive	6.40	1.2	
2 + 147	Rt	Ingress	42.40	8.1	
2 + 158	Lt	Private Drive	4.75	0.9	
2 + 179	Rt	Mailbox	26.07	5.0	Mailbox - Cannot be moved (steep slope)
2 + 189	Rt	Private Drive	9.40	1.8	
2 + 191	Lt	Private Drive	7.35	1.4	
2 + 285	Lt	Private Drive	11.45	2.2	
2 + 333	Rt	Egress	33.02	6.3	Mailbox - Cannot be moved (ditch)
2 + 354	Rt	Ingress	42.40	8.1	

Contract No. RS - 22823

APPROACH TABLE
(For Information Only)

Location (STATION)	Side (LT/RT)	Approach type	Area m2	Weight Mg	Remarks
2 + 371	Rt	Egress	22.08	4.2	Mailbox - Cannot be moved (ditch)
2 + 387	Rt	City Street	86.40	16.4	
2 + 403	Lt	Private Drive	7.50	1.4	
2 + 425	Lt	Private Drive	8.85	1.7	
2 + 440	Rt	Mailbox	26.07	5.0	2 boxes - Cannot be moved (concrete steps)
2 + 447	Lt	Private Drive	7.05	1.3	
2 + 474	Rt	Private Drive	9.30	1.8	
2 + 486	Rt	Mailbox	34.75	6.6	2 boxes - Cannot be moved (concrete steps)
2 + 495	Lt	Private Drive	8.90	1.7	
2 + 511	Rt	Ingress	40.4	7.7	
2 + 519	Lt	Private Drive	6.15	1.2	
2 + 523	Rt	Egress	42.40	8.1	
2 + 543	Lt	Private Drive	7.50	1.4	
2 + 543	Rt	Mailbox	42.40	8.1	
2 + 558	Lt	Private Drive	7.30	1.4	
2 + 573	Rt	Ingress	60.06	11.4	3 boxes
2 + 606	Rt	Egress	42.40	8.1	2 boxes
2 + 610	Lt	Private Drive	7.20	1.4	
2 + 642	Lt	Private Drive	8.00	1.5	
2 + 643	Rt	Mailbox	42.40	8.1	
2 + 694	Lt	Private Drive	8.85	1.7	
2 + 699	Rt	Private Drive	10.05	1.9	

Contract No. RS - 22825

APPROACH TABLE
(For Information Only)

Location (STA/RP)	Side (LT/RT)	Approach type	Area m2	Weight Mg	Remarks
2 + 715	Rt	Mailbox	29.54	5.6	3 boxes - Cannot be moved (steep slope)
2 + 724	Lt	Private Drive	9.55	1.8	
2 + 765	Rt	Private Drive	12.75	2.4	
2 + 788	Rt	Egress	33.11	6.3	4 boxes - Cannot be moved (concrete steps)
2 + 790	Lt	Private Drive	9.00	1.7	
2 + 821	Lt	Private Drive	8.30	1.6	
2 + 841	Rt	Mailbox	20.07	3.8	Mailbox - Cannot be moved (steep slope)
2 + 858	Lt	Private Drive	6.15	1.2	
2 + 873	Rt	Private Drive	9.40	1.8	
2 + 877	Lt	Private Drive	7.05	1.3	
2 + 887	Rt	Private Drive	10.55	2.0	
2 + 911	Rt	Mailbox	16.52	3.1	5 boxes - Cannot be moved (steep slope)
2 + 929	Rt	Private Drive	13.20	2.5	
2 + 930	Lt	Private Drive	7.90	1.5	
2 + 941	Rt	Mailbox	27.15	5.2	Mailbox - Cannot be moved (sidewalk)
2 + 955	Rt	Private Drive	11.20	2.1	
2 + 981	Lt	County Road	136.30	25.9	
2 + 981	Rt	County Road	182.03	34.6	
3 + 081	Lt	City Street	173.06	32.9	
3 + 096	Rt	Field Entrance	5.15	1.0	
3 + 180	Rt	Mailbox	23.60	4.5	Mailbox - Cannot be moved (concrete retaining wall)

Contract No RS - 22825

APPROACH TABLE
(For Information Only)

Location (STA/RP)	Side (LT/RT)	Approach type	Area m2	Weight Mg	Remarks
3 + 256	Rt	Private Drive	9.85	1.9	
3 + 312	Lt	City Street	130.98	24.9	
3 + 328	Rt	Ingress	40.2	7.6	
3 + 386	Lt	Private Drive	12.5	2.4	
3 + 386	Rt	Mailbox	28.8	5.5	2 boxes
3 + 397	Rt	Private Drive	7.25	1.4	
3 + 413	Lt	Private Drive	10.0	1.9	
3 + 444	Rt	Egress	13.25	2.5	Mailbox - Cannot be moved (ditch)
3 + 446	Lt	Private Drive	14.25	2.7	
3 + 483	Lt	Private Drive	7.0	1.3	
3 + 525	Lt	Private Drive	7.5	1.4	
3 + 525	Rt	Mailbox	20.07	3.8	Mailbox - Cannot be moved (ditch)
3 + 553	Lt	Private Drive	6.90	1.3	
3 + 555	Rt	Mailbox	22.43	4.3	Mailbox - Cannot be moved (ditch)
3 + 576	Lt	Private Drive	7.65	1.5	
3 + 613	Rt	Mailbox	11.80	2.2	Mailbox - Cannot be moved (ditch)
3 + 618	Lt	Private Drive	9.90	1.9	
3 + 703	Lt	Field Entrance	5.50	1.0	
3 + 772	Rt	Field Entrance	5.60	1.1	
3 + 772	Lt	Field Entrance	4.50	0.9	
3 + 793	Rt	Mailbox	24.00	4.6	Mailbox - Cannot be moved (ditch)

Contract No. RS.-22825

APPROACH TABLE
(For Information Only)

Location (STA.RP)	Side (LT.RT)	Approach type	Area m2	Weight Mg.	Remarks
3 + 817	Lt	Private Drive	8.90	1.7	
3 + 832	Lt	Private Drive	8.25	1.6	
3 + 832	Rt	Mailbox	14.16	2.7	2 boxes - Cannot be moved (ditch)
3 + 902	Lt	Private Drive	10.70	2.0	
3 + 902	Rt	Mailbox	22.43	4.3	8 boxes - Cannot be moved (ditch)
3 + 939	Lt	Private Drive	6.05	1.1	
3 + 964	Lt	Private Drive	9.05	1.7	
3 + 970	Rt	Private Drive	6.90	1.3	
3 + 980	Rt	Egress	42.40	8.1	
4 + 050	Rt	Field Entrance	4.25	0.8	
4 + 061	Lt	Private Drive	9.00	1.7	
4 + 077	Rt	Mailbox	21.25	4.0	Mailbox - Cannot be moved (steep slope)
4 + 106	Lt	Field Entrance	8.25	1.6	
4 + 135	Lt	Field Entrance	7.30	1.4	
4 + 256	Rt	Private Drive	6.75	1.3	
4 + 273	Rt	Mailbox	28.81	5.5	
4 + 282	Rt	County Road	69.00	13.1	
4 + 282	Lt	Private Drive	13.15	2.5	
4 + 391	Lt	County Road	103.85	19.7	
4 + 630	Rt	Private Drive	311.75	59.2	Subdivision Entrance
4 + 689	Rt	County Road	35.70	6.8	
4 + 702	Rt	Private Drive	9.25	1.8	

Contract No. RS - 22823

APPROACH TABLE
(For information Only)

Location (STATION)	Side (L/R)	Approach type	Area m²	Width m	Remarks
4 + 720	Lt	Ingress	42.40	8.1	
4 + 932	Rt	Egress	42.40	8.1	
4 + 942	Lt	Ingress	42.40	8.1	
5 + 098	Lt	Mailbox	22.43	4.3	Mailbox - Cannot be moved (ditch)
5 + 112	Rt	Ingress	42.40	8.1	
5 + 112	Lt	Private Drive	10.50	2.0	
5 + 164	Lt	Ingress	42.40	8.1	
5 + 181	Lt	Private Drive	9.50	1.8	
5 + 267	Lt	Private Drive	15.35	2.9	
5 + 320	Rt	Egress	42.40	8.1	
5 + 417	Lt	Egress	42.40	8.1	
5 + 440	Lt	Private Drive	7.35	1.4	
5 + 442	Rt	Egress	42.40	8.1	
5 + 464	Lt	Egress	42.40	8.1	
5 + 533	Lt	Egress	26.08	5.0	Mailbox - Cannot be moved (steep slope)
5 + 557	Lt	Private Drive	8.65	1.6	
5 + 580	Rt	County Road	150.10	28.5	
5 + 606	Lt	Egress	42.40	8.1	
5 + 625	Rt	Private Drive	39.70	7.5	2 drives with mailbox in the middle
5 + 640	Lt	Private Drive	58.11	11.0	
5 + 660	Rt	Private Drive	6.80	1.3	
5 + 690	Rt	Egress	42.40	8.1	3 boxes

Contract No. RS - 22825

APPROACH TABLE
(For Information Only)

Location (STA RP)	Side (LT/RT)	Approach type	Area m2	Weight Mg	Remarks
5 + 736	Lt	Field Entrance	14.50	2.8	
5 + 774	Rt	Egress	42.40	8.1	
5 + 854	Rt	Ingress	42.40	8.1	
5 + 913	Lt	Mailbox	28.81	5.5	
5 + 938	Lt	Private Drive	17.50	3.3	
6 + 010	Rt	County Road	1015.25	192.9	
6 + 133	Lt	Private Drive	50.62	9.6	2 drives with mailbox in the middle
6 + 162	Lt	Mailbox	18.90	3.6	Mailbox - Cannot be moved (steep slope)
6 + 162	Rt	Private Drive	10.50	2.0	
6 + 276	Rt	Private Drive	10.10	1.9	
6 + 276	Lt	Mailbox	23.61	4.5	Mailbox - Cannot be moved (steep slope)
6 + 345	Lt	Ingress	27.80	5.3	
6 + 364	Rt	Private Drive	6.50	1.2	
6 + 395	Rt	Private Drive	12.75	2.4	
6 + 411	Rt	Private Drive	10.30	2.0	
6 + 411	Lt	Mailbox	15.34	2.9	Mailbox - Cannot be moved (steep slope)
6 + 477	Lt	Field Entrance	9.00	1.7	
6 + 506	Rt	Private Drive	8.25	1.6	
6 + 511	Lt	Egress	26.06	5.0	2 boxes cannot be moved (ditch)
6 + 557	Lt	Ingress	27.80	5.3	2 boxes cannot be moved (ditch)

Contract No. RS - 22825

APPROACH TABLE
(For Information Only)

Location (STATION)	Side (LT/RT)	Approach type	Area (m^2)	Weight (M_g)	Remarks
6 + 625	Rt	Private Drive	11.95	2.3	
6 + 630	Lt	Ingress	26.06	5.0	3 boxes cannot be moved (ditch)
6 + 633	Rt	Private Drive	10.25	1.9	
6 + 653	Lt	Private Drive	16.85	3.2	
6 + 734	Rt	Private Drive	10.05	1.9	
6 + 735	Lt	Mailbox	39.97	7.6	Mailbox - Cannot be moved (steep slope)
6 + 786	Lt	Egress	38.23	7.3	Mailbox - Cannot be moved (steep slope)
6 + 787	Rt	Private Drive	7.20	1.4	
6 + 844	Rt	Field Entrance	7.25	1.4	
6 + 929	Lt	Private Drive	16.10	3.0	
6 + 967	Lt	Egress	42.40	8.1	
6 + 989	Rt	Field Entrance	5.25	1.0	
7 + 056	Lt	Mailbox	21.25	4.0	Mailbox - Cannot be moved (steep slope)
7 + 064	Rt	Private Drive	13.00	2.5	
7 + 152	Lt	Mailbox	42.40	8.1	
7 + 169	Lt	Private Drive	14.50	2.8	
7 + 218	Lt	Private Drive	24.75	4.7	
7 + 310	Lt	County Road	90.75	17.2	
7 + 318	Lt	Mailbox	28.81	5.5	6 boxes
7 + 359	Lt	Mailbox	28.81	5.5	
7 + 360	Rt	Private Drive	12.8	2.4	

APPROACH TABLE
(For Information Only)

Location (STARP)	Side (LT/RT)	Approach type	Area m2	Weight Mg	Remarks
7 + 541	Rt	Field Entrance	5.45	1.0	
7 + 577	Lt	Private Drive	7.20	1.4	
7 + 600	Lt	Private Drive	8.50	1.6	
7 + 632	Lt	Egress	42.40	8.1	
7 + 713	Rt	Private Drive	8.10	1.5	
7 + 867	Lt	Mailbox	42.40	8.1	
7 + 891	Lt	Private Drive	16.46	3.1	
8 + 088	Rt	Field Entrance	5.00	1.0	
8 + 133	Lt	Ingress	42.40	8.1	
8+ 204	Rt	Private Drive	7.40	1.4	
8 + 362	Rt	Private Drive	10.25	1.9	
8 + 390	Rt	Private Drive	10.00	1.9	
8 + 421	Lt	Ingress	42.40	8.1	
8 + 431	Rt	Field Entrance	8.80	1.7	
8 + 507	Lt	Field Entrance	6.00	1.1	
8 + 523	Lt	Mailbox	18.89	3.6	Mailbox - Cannot be moved (steep slope)
8 + 564	Rt	Private Drive	13.10	2.5	
8 + 798	Rt	Private Drive	11.90	2.3	
8 + 805	Lt	Mailbox	12.98	2.5	Mailbox - Cannot be moved (ditch)
8 + 839	Lt	Field Entrance	9.30	1.8	
8 + 968	Lt	Field Entrance	5.25	1.0	
9 + 086	Rt	Private Drive	11.50	2.2	

Contract No. RS - 22825

APPROACH TABLE
(For Information Only)

Location (STA/RP)	Side (LT/RT)	Approach type	Area m2	Weight Mg	Remarks
9 + 120	Lt	Egress	42.40	8.1	
9 + 316	Lt	Mailbox	21.25	4.0	2 boxes - Cannot be moved (ditch)
9 + 324	Rt	Private Drive	9.70	1.8	
9 + 329	Lt	Private Drive	6.55	1.2	
9 + 395	Lt	Mailbox	21.25	4.0	Mailbox - Cannot be moved (steep slope)
9 + 406	Lt	County Road	116.44	22.1	
9 + 413	Rt	Private Drive	10.65	2.0	
9 + 451	Lt	Mailbox	28.81	5.5	
9 + 487	Rt	Private Drive	10.70	2.0	
9 + 528	Lt	Ingress	29.54	5.6	Mailbox - Cannot be moved (ditch)
9 + 612	Lt	Egress	42.40	8.1	2 boxes
9 + 718	Rt	County / Road	127.26	24.2	
9 + 750	Lt	Egress	29.54	5.6	Mailbox - Cannot be moved (steep slope)
9 + 927	Rt	Field Entrance	9.65	1.8	
10 + 089	Rt	Private Drive	15.70	3.0	
10 + 105	Lt	Mailbox	34.75	6.6	Mailbox - Cannot be moved (steep slope)
10 + 160	Rt	Field Entrance	8.15	1.5	
10 + 240	Lt	Egress	42.40	8.1	
10 + 360	Lt	Commercial	21.00	4.0	
10 + 563	Lt	Mailbox	25.97	4.9	Mailbox - Cannot be moved (steep slope)
10 + 567	Rt	Private Drive	9.35	1.8	

Contract No. RS - 22825

APPROACH TABLE
(For Information Only)

Location (STA/RP)	Side (LT/RT)	Approach type	Area m2	Weight Mg	Remarks
10 + 588	Rt	Private Drive	12.25	2.3	
10 + 722	Rt	County Road	204.97	38.9	
10 + 870	Rt	Private Drive	9.65	1.8	
10 + 870	Lt	Mailbox	16.52	3.1	Mailbox - Cannot be moved (ditch)
10 + 922	Lt	Commercial Drive	9.40	1.8	
10 + 932	Rt	Private Drive	12.45	2.4	
10 + 937	Lt	Egress	20.85	4.0	Mailbox - Cannot be moved (ditch)
10 + 992	Rt	Private Drive	9.55	1.8	
10 + 993	Lt	Mailbox	23.61	4.5	Mailbox - Cannot be moved (ditch)
11 + 014	Lt	Private Drive	13.75	2.6	
11 + 040	Lt	Mailbox	28.81	5.5	
11 + 046	Rt	Ingress	42.40	8.1	
11 + 127	Lt	Ingress	42.40	8.1	
11 + 206	Lt	Private Drive	11.75	2.2	
11 + 240	Lt	Mailbox	27.15	5.2	2 boxes - Cannot be moved (ditch)
11 + 254	Lt	Private Drive	12.35	2.3	
11 + 304	Lt	County Road	115.62	22.0	
11 + 370	Rt	Private Drive	20.50	3.9	
11 + 372	Lt	Mailbox	18.89	3.6	2 boxes - Cannot be moved (ditch)
11 + 441	Lt	Mailbox	14.16	2.7	2 boxes - Cannot be moved (ditch)

Contract No. RS - 22825

APPROACH TABLE
(For Information Only)

Location (STA RP)	Side (LT/RT)	Approach type	Area m2	Weight Mg	Remarks
11 + 441	Rt	Private Drive	7.75	1.5	
11 + 485	Rt	Field Entrance	8.50	1.6	
11 + 497	Lt	Field Entrance	4.75	0.9	
11 + 616	Rt	Private Drive	8.20	1.6	
11 + 618	Lt	Mailbox	21.25	4.0	Mailbox - Cannot be moved (steep slope)
11 + 682	Rt	Private Drive	8.80	1.7	
11 + 724	Rt	Private Drive	12.00	2.3	
11 + 779	Rt	Private Drive	10.65	2.0	
11 + 811	Rt	Private Drive	13.75	2.6	
11 + 813	Lt	Egress	42.40	8.1	
11 + 832	Rt	Field Entrance	13.00	2.5	
11 + 882	Lt	Field Entrance	7.60	1.4	
12 + 000	Rt	Private Drive	15.50	2.9	
12 + 335	Lt	Private Drive	5.40	1.0	
12 + 360	Lt	Ingress	42.40	8.1	
12 + 563	Rt	County Road	193.50	36.8	
12 + 618	Lt	Private Drive	10.00	1.9	
12 + 644	Lt	Mailbox	42.40	8.1	
12 + 695	Lt	Mailbox	12.98	2.5	Mailbox - Cannot be moved (Ditch)
12 + 699	Rt	Private Drive	9.20	1.7	
12 + 846	Rt	Private Drive	21.95	4.2	
12 + 854	Lt	Mailbox	20.07	3.8	Mailbox - Cannot be moved (steep slope)

Contract No. RS - 22825

APPROACH TABLE
(For Information Only)

Location (STA/RP)	Side (LT/RT)	Approach type	Area m2	Weight Mg	Remarks
12 + 982	Lt	Ingress	42.40	8.1	
13 + 104	Lt	Egress	42.40	8.1	
13 + 175	Rt	Private Drive	12.75	2.4	
13 + 178	Lt	Egress	27.80	5.3	2 boxes - Cannot be moved (ditch)
13 + 190	Lt	Field Entrance	5.50	1.0	
13 + 294	Lt	Egress	33.02	6.3	Mailbox - Cannot be moved (ditch)
13 + 332	Lt	County Road	64.96	12.3	
13 + 332	Rt	Private Drive	15.25	2.9	
13 + 348	Lt	Mailbox	23.61	4.5	2 boxes - Cannot be moved (ditch)
13 + 406	Lt	Mailbox	22.43	4.3	Mailbox - Cannot be moved (steep slope)
13 + 409	Rt	Private Drive	10.25	1.9	
13 + 445	Rt	Private Drive	13.50	2.6	
13 + 445	Lt	Mailbox	21.25	4.0	Mailbox - Cannot be moved (steep slope)
13 + 500	Lt	Mailbox	28.81	5.5	
13 + 500	Rt	Private Drive	11.80	2.2	
13 + 527	Lt	Field Entrance	10.55	2.0	
13 + 654	Rt	Private Drive	5.85	1.1	
13 + 684	Lt	Mailbox	23.61	4.5	Mailbox - Cannot be moved (steep bank)
13 + 700	Rt	Private Drive	9.25	1.8	
13 + 718	Rt	Private Drive	10.40	2.0	

Contract No. R3 - 22825

APPROACH TABLE
(For information Only)

Location (STA.KP)	Side (LT.RT)	Approach type	Area M2	Weight Kg	Remarks
13 + 745	Lt	Ingress	34.75	6.6	Mailbox - Cannot be moved (steep slope)
13 + 777	Rt	Private Drive	11.50	2.2	
13 + 785	Lt	Mailbox	25.97	4.9	Mailbox - Cannot be moved (steep slope)
13 + 810	Rt	Field Entrance	9.90	1.9	
13 + 825	Lt	Field Entrance	11.00	2.1	
13 + 875	Rt	Private Drive	12.85	2.4	
13 + 879	Lt	Mailbox	28.81	5.5	
13 + 897	Lt	Private Drive	9.50	1.8	
13 + 939	Lt	Private Drive	9.90	1.9	
13 + 971	Lt	County Road	205.48	39.0	
13 + 971	Rt	Field Entrance	6.95	1.3	
14 + 024	Lt	Egress	31.28	5.9	Mailbox - Cannot be moved (ditch)
14 + 160	Lt	Field Entrance	7.50	1.4	
14 + 180	Rt	Private Drive	9.10	1.7	
14 + 206	Rt	Private Drive	8.45	1.6	
14 + 375	Lt	Field Entrance	6.50	1.2	
14 + 480	Lt	Egress	21.25	4.0	3 boxes - Cannot be moved (ditch)
14 + 532	Lt	Egress	34.75	6.6	Mailbox - Cannot be moved (ditch)
14 + 574	Rt	Commercial Drive	25.65	4.9	
14 + 633	Rt	Commercial Drive	17.65	3.4	
14 + 818	Lt	Ingress	20.85	4.0	Mailbox - Cannot be moved (guardrail)

APPROACH TABLE
(For Information Only)

Location (STA/RP)	Side (LT/RT)	Approach type	Area m2	Weight Mg	Remarks
14 + 888	Lt	Ingress	42.40	8.1	
14 + 888	Rt	Ingress	42.40	8.1	
14 + 939	Rt	Ingress	33.02	6.3	Mailbox - Cannot be moved (ditch)
14 + 967	Lt	Private Drive	6.75	1.3	
15 + 009	Rt	Egress	19.11	3.6	Mailbox - Cannot be moved (steep slope)
15 + 014	Lt	Egress	34.75	6.6	Mailbox - Cannot be moved (ditch)
15 + 123	Lt	Field Entrance	8.00	1.5	
15 + 197	Lt	Ingress	38.23	7.3	Mailbox - Cannot be moved (ditch)
15 + 215	Lt	Private Drive	7.75	1.5	
15 + 215	Rt	Field Entrance	4.00	0.8	
15 + 274	Rt	Field Entrance	7.75	1.5	
15 + 290	Lt	Commercial Drive	16.46	3.1	
15 + 355	Rt	Private Drive	8.25	1.6	
15 + 383	Rt	Private Drive	15.80	3.0	
15 + 560	Rt	County Road	399.0	75.8	
15 + 574	Lt	Private Drive	12.65	2.4	
15 + 591	Rt	Private Drive	8.10	1.5	
15 + 622	Lt	Private Drive	12.82	0.0	Bituminous Shoulder
15 + 622	Rt	Private Drive	6.41	0.0	Bituminous Shoulder
15 + 625	Rt	Private Drive	6.41	0.0	Bituminous Shoulder
15 + 640	Rt	Commercial Drive	12.82	0.0	Bituminous Shoulder

Contract No. RS - 22825

APPROACH TABLE
(For Information Only)

Location (STA/RP)	Side (LT/RT)	Approach type	Area m2	Weight kg	Remarks
15 + 660	Rt	Commercial Drive	12.82	0.0	Bituminous Shoulder
15 + 690	Lt	City Street	57.15	10.9	
15 + 690	Rt	City Street	39.90	7.6	
15 + 710	Lt	Commercial Drive	16.46	0.0	Bituminous Shoulder
15 + 725	Lt	Commercial Drive	16.46	0.0	Bituminous Shoulder
15 + 764	Lt	Commercial Drive	16.46	0.0	Bituminous Shoulder
15 + 792	Lt	City Street	28.04	5.3	
15 + 792	Rt	City Street	54.05	10.3	
15 + 819	Lt	Private Drive	11.25	2.1	
15 + 826	Rt	Private Drive	16.46	0.0	Bituminous Shoulder
15 + 860	Rt	Private Drive	7.45	1.4	
15 + 894	Rt	City Street	54.23	10.3	
15 + 894	Lt	City Street	38.44	7.3	
15 + 920	Rt	Commercial Drive	16.46	3.1	
15 + 927	Lt	Private Drive	7.75	1.5	
15 + 957	Rt	Private Drive	10.20	1.9	
15 + 969	Lt	Private Drive	11.90	2.3	
16 + 019	Rt	Private Drive	10.90	2.1	
16 + 026	Lt	Private Drive	7.50	1.4	
16 + 058	Lt	Private Drive	8.10	1.5	
16 + 091	Lt	Private Drive	9.85	1.9	
16 + 115	Rt	Private Drive	17.80	3.4	
16 + 288	Rt	Commercial Drive	20.00	3.8	

Contract No. RS - 22825

APPROACH TABLE
(For Information Only)

Location (STA/RP)	Side (LT/RT)	Approach type	Area m2	Weight Mg	Remarks
16 + 310	Rt	Commercial Drive	16.46	3.1	
16 + 314	Lt	Ingress	39.97	7.6	Mailbox - Cannot be moved (ditch)
16 + 330	Lt	Field Entrance	9.50	1.8	
16 + 440	Rt	Egress	42.40	8.1	
16 + 595	Rt	Commercial Drive	16.46	3.1	
16 + 632	Lt	Private Drive	16.46	3.1	
16 + 672	Lt	Egress	42.40	8.1	
16 + 684	Rt	Egress	42.40	8.1	
16 + 695	Lt	Private Drive	4.50	0.9	
17 + 078	Lt	Field Entrance	10.00	1.9	
17 + 086	Rt	Egress	42.40	8.1	
17 + 146	Lt	Field Entrance	10.00	1.9	
17 + 146	Rt	Field Entrance	9.50	1.8	
17 + 243	Lt	Ingress	42.40	8.1	
17 + 276	Lt	Ingress	42.40	8.1	
17 + 341	Lt	Egress	42.40	8.1	
17 + 408	Lt	Egress	33.02	6.3	Mailbox - Cannot be moved (ditch)
17 + 418	Rt	Field Entrance	8.50	1.6	
17 + 656	Lt	Mailbox	11.80	2.2	Mailbox - Cannot be moved (steep slope)
17 + 657	Rt	Private Drive	18.50	3.5	
17 + 691	Lt	Field Entrance	10.90	2.1	

Contract No. R5 - 22825

APPROACH TABLE
(For Information Only)

Location (STA.)	Side (Lt/Rt)	Approach type	Area M²	Width M	Remarks
17 + 969	Rt	Ingress	42.40	8.1	
18 + 184	Lt	Egress	22.59	4.3	Mailbox - Cannot be moved (ditch)
18 + 339	Lt	Ingress	28.81	5.5	2 boxes
18 + 372	Rt	Field Entrance	6.75	1.3	
18 + 468	Lt	Ingress	20.85	4.0	Mailbox - Cannot be moved (ditch)
18 + 506	Rt	County Road	96.90	18.4	
18 + 516	Lt	County Road	89.30	17.0	
18 + 760	Rt	Mailbox	28.81	5.5	
18 + 821	Lt	Private Drive	12.65	2.4	
18 + 877	Rt	Field Entrance	9.35	1.8	
19 + 128	Rt	Ingress	33.02	6.3	Mailbox - Cannot be moved (ditch)
19 + 308	Rt	Egress	42.40	8.1	
19 + 381	Lt	Ingress	42.40	8.1	

Contract No. RS - 22825

SNOWPLOWABLE R.P.M.
SUMMARY TABLE

ROUTE NO	PROJECT LIMITS	TWO-WAY YELLOW (EACH)	TWO-WAY YELLOW /RED (EACH)	TWO-WAY WHITE /RED (EACH)	ONE-WAY YELLOW (EACH)	ONE-WAY WHITE (EACH)	R.P.M. REMOVE (EACH)
SR 164	1+000 to 19+260	1,460					1,460
	TOTALS	1,460					1,460

TURN LANES
(For Information Only)

Begin Station	End Station	Rt / Lt	Max Width	Area	Mg Surface	Mg Binder	Remarks
1 + 000	1 + 086	Rt	12.2	250.95	15.06	30.12	
1 + 000	1 + 127	Lt	18.1	403.5	24.21	48.42	
15 + 266	15 + 400	Rt	2.6	227.50	13.65	27.30	
15 + 613	15 + 684	Lt	2.4	165.60	9.94	19.84	
15 + 617	15 + 684	Rt	2.7	171.45	10.29	20.58	
15 + 694	15 + 813	Lt	3.5	383.25	23.00	46.00	
15 + 694	15 + 829	Rt	3.15	384.30	23.06	46.12	
19 + 073	19 + 312	Rt	3.5	626.00	37.56	75.12	
19 + 197	19 + 468	Lt	3.8	813.20	48.79	97.58	

INDOT CASTING LOCATIONS
(For Information Only)

LOCATION	SIDE	TYPE OF STR	OFFSET	REMARKS
1 + 030	Lt	Drop Inlet	In curb line	0.65 x 0.40 grate
15 + 786	Rt	Drop Inlet	9.3	0.55 x 0.4 grate
15 + 797	Lt	Drop Inlet	6.8	0.9 x 1.05 grate

UTILITY CASTING LOCATIONS

(For Information Only)

LOCATION	SIDE	TYPE OF STR	OFFSET	REMARKS
1 + 023	Lt.	Sanitary	5.7	
1 + 042	Rt.	Water valve	8.1	
1 + 043	Rt.	Water valve	7.0	
1 + 072	Lt.	Sanitary	5.0	
1 + 643	Rt.	Sanitary	5.1	In mail box approach
1 + 683	Lt.	Sanitary	0.3	
1 + 827	Rt.	Water valve	3.8	
1 + 828	Rt.	Water valve	2.9	
1 + 831	CL	Sanitary		
1 + 962	Rt.	Water valve	4.0	
2 + 030	CL	Sanitary		
2 + 074	Rt.	Water valve	2.4	
2 + 182	CL	Sanitary		
2 + 384	Rt.	Water valve	4.3	
2 + 455	Rt.	Sanitary	1.5	
2 + 477	Rt.	Water valve	4.6	
2 + 627	Lt.	Sanitary	1.4	
2 + 722	Lt.	Sanitary	2.1	
2 + 792	Rt.	Water valve	4.4	In driveway approach
2 + 814	Lt.	Sanitary	1.3	
2 + 876	Lt.	Sanitary	1.6	

UTILITY CASTING LOCATIONS

(For Information Only)

LOCATION	SIDE	TYPE OF STR	OFFSET	REMARKS
2 + 982	Rt.	Water valve	4.4	
2 + 982	Lt.	Water valve	11.4	
2 + 983	Lt.	Water valve	10.3	
2 + 983	CL	Sanitary		
2 + 983	Rt.	Water valve	3.4	
2 + 983	Rt.	Water valve	4.9	
2 + 986	Lt.	Gas	3.7	