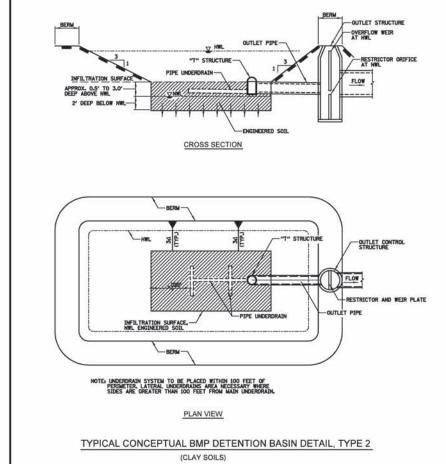
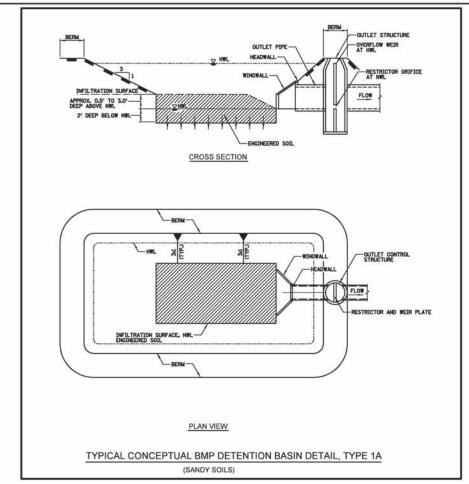
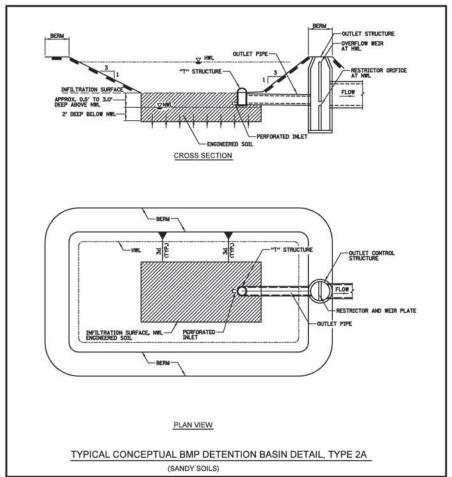


OUTLET PIPE-

-OUTLET STRUCTURE







FILE NAME =

DIEOWB-sht-pr-drain-Detail_FullBuild-BMP.d

USER NAME = aburka

PLOT DATE = 5/14/2012

PLOT SCALE = 10'

DESIGNED MA REVISED DRAWN MYG REVISED CHECKED CW REVISED DATE REVISED

ELGIN O'HARE WEST BYPASS communities, opportunities, solutions. Illinois Department of Transportation

PROPOSED BMP PLAN CONCEPTUAL DETAILS ELGIN O'HARE EXPRESSWAY

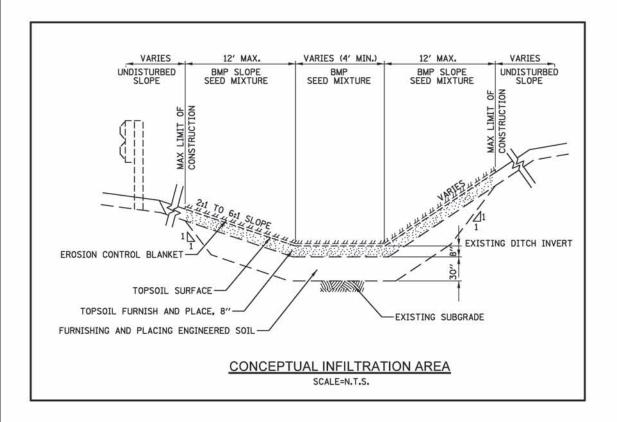
SCALE: 1"=50' SHEET NO. OF SHEETS STA.

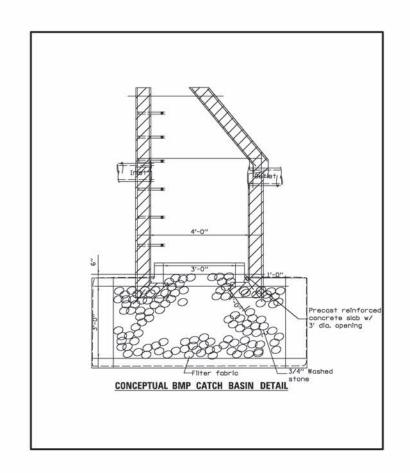
TO STA.

COUNTY TOTAL SHEETS NO.

COOK, DuPAGE 169 166 SECTION CONTRACT NO.

CB CHRISTOPHER B. BURKE





COUNTY TOTAL SHEETS NO. COOK, Dupage 169 167

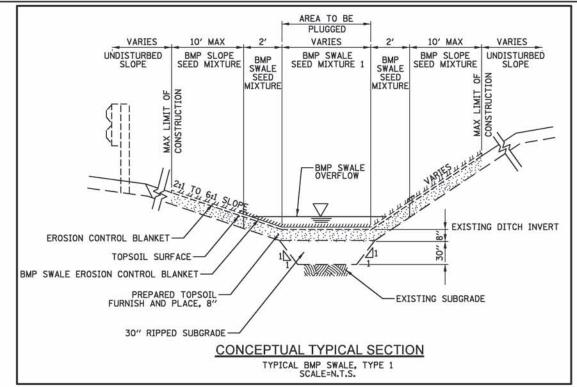
CONTRACT NO.

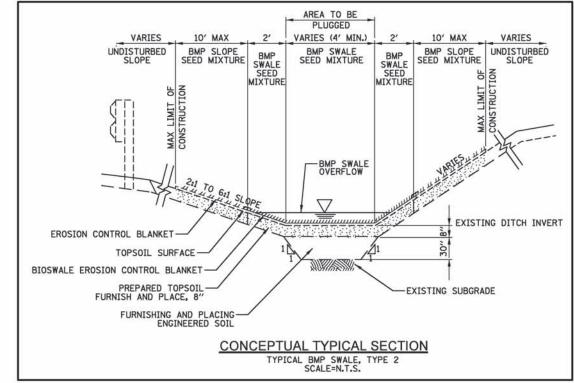
FILE NAME =	USER
DIEOWB-sht-pr-drain-ECP_FullBuild-BMP.dgn	
	PLOT
i i	PLOT

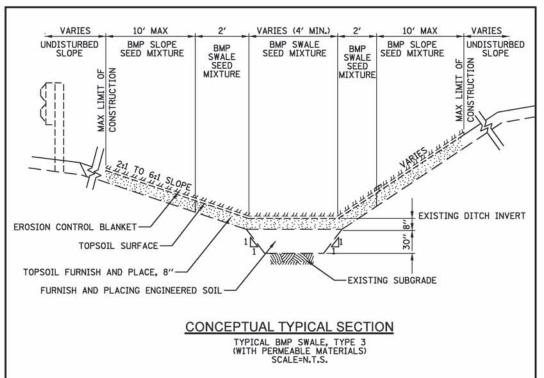


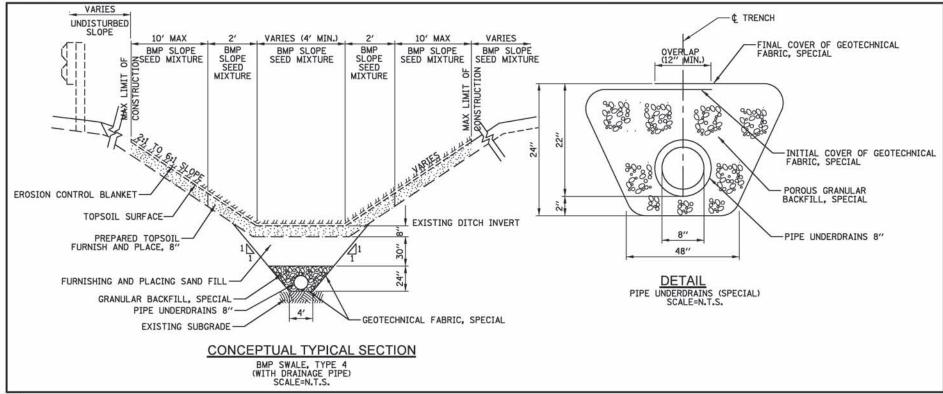


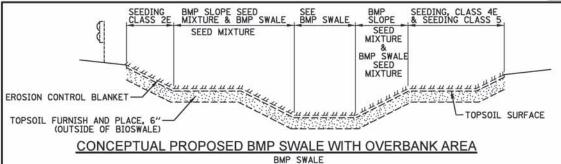
	F.A. RTE.	SECTION					
	ELC	ווע עוונ	IANE EVL	RESSWAY			
SCALE: 1'=50'	SHEET NO.	OF	SHEETS	STA.	TO STA.		ILLIN











DESIGNED MA FILE NAME = USER NAME = aburka REVISED EOWB-sht-pr-drain-TYPI_FullBuild-BMP.dg DRAWN MYG. REVISED PLOT SCALE = 1 CHECKED CW REVISED PLOT DATE = 5/14/2012 DATE

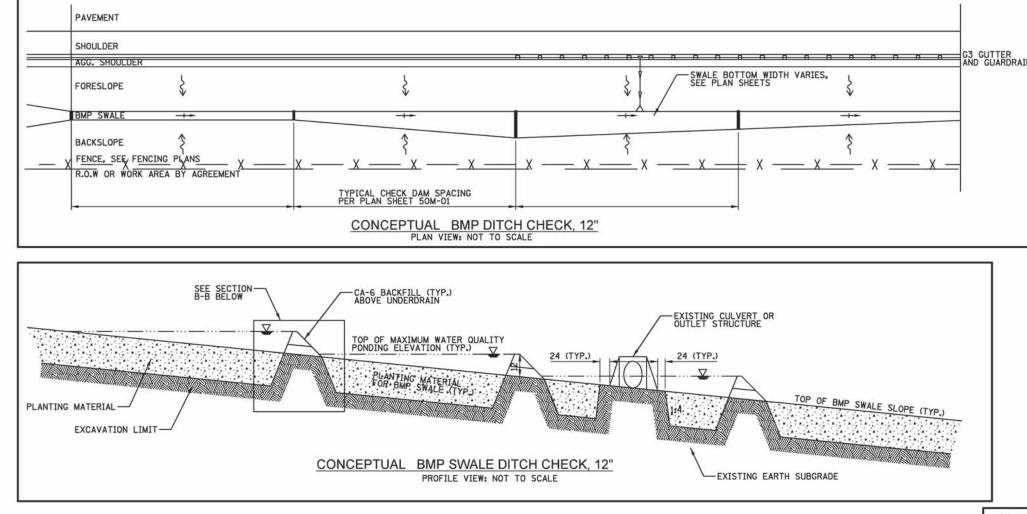


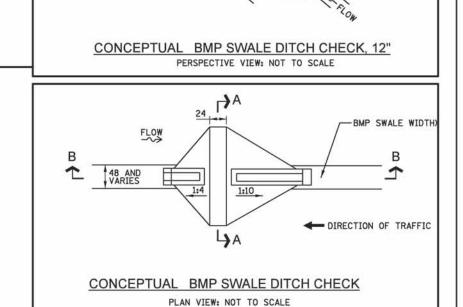
Illinois Department of Transportation CB CHRISTOPHER B. BURKE

_!*=50°

PROPOSED BMP PLAN CONCEPTUAL DETAILS **ELGIN O'HARE EXPRESSWAY**

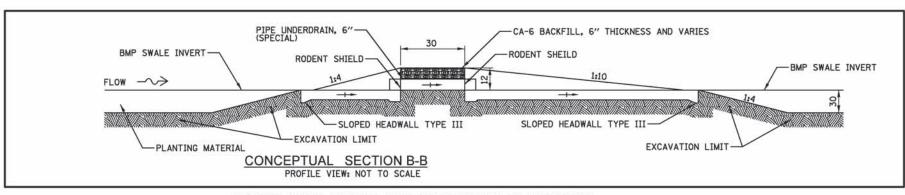
SECTION COUNTY 169 168

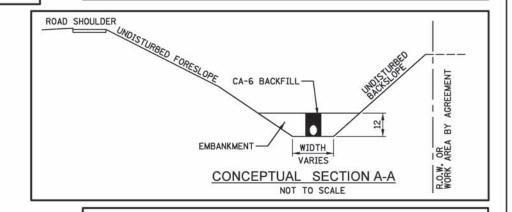




EMBANKMENT -

CA-6 BACKFILL





24

1:4

1:10

CONCEPTUAL BMP SWALE FLOW CHECK SECTION C-C NOT TO SCALE

LC

FLOW

TO STA.

48 AND

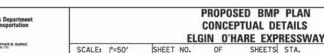
MODIFIED	SLOPED	HEADWALL	TYPE	III	DIMENSIONS	AND	QUANTITIES	
								_

	PI	PIPE DIA/					DIMENSI	ONS					PRE CAST CONC. CU. YD.	CAST-IN -PLACE CU. YD.	WIRE_	NO. OF #4d BARS	REINF. STEEL LBS.
		PIPE DIA/ CHANNEL WIDTH	Α	В	С	N	М	Р	S	L	٧	w	CU. YD.	cu. Yb.	WIRE FABRIC SQ. YD.	#4d BARS	LBS.
1:10	6"	6"	0"	1'-4"	0"	1'-8"	5'-1/2"	5′-0″	11'-8 1/2"	1'-0"	3′-6″	0.22	0.78	6.23	16	11	
DITCH CHECK, 12"	CK, 12" 4:1 6'	6′	6′	0'	1'-4"	0'	1'-8"	2'-1"	2'-0'	5'-9"	1'-0"	3'-6'	0.11	0.42	2.92	10	6.7
FLOW CHECK, 12"	10:1	12'	12'	0'	1'-10"	0'	1'-8"	5'-1/2"	10'-0'	16'-8 1/2"	1'-0"	4'-0'	0.65	1.27	12.30	26	17
	4:4	12"	12"	0"	1'-10"	0"	1'-8"	2'-1"	4'-0"	7'-9"	1'-0"	4'-0"	0.31	0.72	5.99	14	9.3

NOTE:
1. ALL SLOPE RATIOS ARE EXPRESSED AS UNIT OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).
2. ALL DIMENSION ARE IN INCHES UNLESS OTHERWISE SHOWN.
3. PLACE BMP SWALE EROSION CONTROL BLANKET OVER THE BMP SWALE DITCH CHECK, 12".
4. SEE ALSO STANDARD DRAWING FOR SLOPED HEADWALL TYPE III DETAILS NOT SHOWN.
5. THE ENDS OF THE PIPE UNDERDRAIN (SPECIAL) SHALL BE PROTECTED BY A PERMANENT RODENT SHIELD. THE RODENT SHIELD SHALL HAVE THE CONFIGURATION SHOWN IN STANDARD 601101 AND BE CONSTRUCTED FROM HOT DIP GALVANIZED STEEL INDUSTRIAL WIRE CLOTH 3X3 MESH, 0.063"X0.063" WIRE SIZE IN ACCORDANCE WITH ASSHTO M232 (ASTM A153). THE COST OF THE RODENT SHIELD IS INCLUDED IN CLASS SI CONCRETE.
6. TRENCH FOR PIPE UNDERDRAIN 6" (SPECIAL) SHALL BE BACKFILLED WITH CA-6.
7. 10;1 SLOPE SHALL ALWAYS FACE TRAFFIC. REVERSE DESIGN ACCORDINGLY.



ELGIN O'HARE WEST BYPASS communities, opportunities, solutions,



SECTION COUNTY COOK, DuPAGE 169 169 CONTRACT NO.

-BMP SWALE WIDTH

◆ DIRECTION OF TRAFFIC

FILE NAME =	USER NAME = aburka	DESIGNED MA	REVISED -
DIEOWB-sht-pr-drain-TYP2_FullBuild-BMP.dgn		DRAWN MYG	REVISED -
THE CONTRACTOR SECTION	PLOT SCALE = I'	CHECKED CW	REVISED - \\
	DI DT DATE - E (IA (DOID	DATE	DEVICED 1

Illinois Department of Transportation C 3 CHRISTOPHER B. BURKE