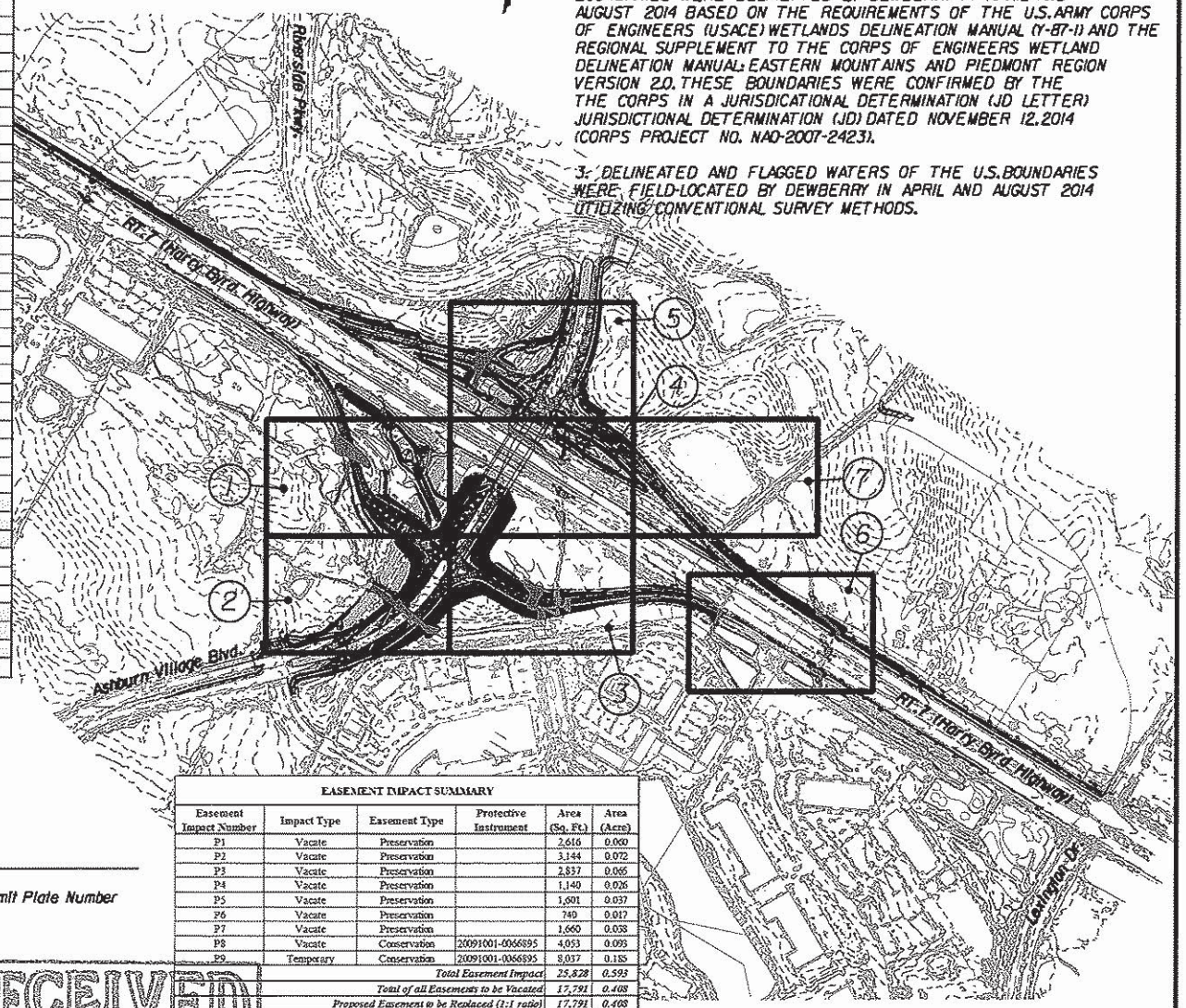
WATERS OF THE U.S. AND WETLANDS IMPACT SUMMARY							
Impact Number	Type	Impact Description	Cowardin Classification	System ID	WOUS Length (Ft)	Area (Sq. Ft.)	Area (Acre)
1	P	ramp A and ditch grading	PEM	C/F		7,662	0.176
2	P	ramp A and ditch grading	PFO	F		1,522	0.035
3	T	const. access	PEM	C		470	0.011
4	P	ditch grading - sec. impact	PEM	G		935	0.021
5	P	concrete lining removal	R4	A	32	169	0.004
6	P	culvert removal	R4		137	1,644	0.038
7	T	const. access	R4	B	30	346	0.008
8	P	AVB culvert	PEM	I		4,906	0.113
9	T	const. access	PEM	I/J		1,908	0.044
10	P	ramp B	PEM	I/J		7,146	0.164
11	T	ramp B	R3	S	5	20	0.000
12	P	ramp B	R3	S	222	1,239	0.028
13	P	ramp B	PEM	SA/R		1,726	0.040
14	P	outlet protection	R3	S	52	869	0.020
15	P	drainage improvements	PEM	P		3,911	0.090
16	T	const. access	PEM	P		114	0.003
17	P	SWM BMP	PEM	P		5,476	0.126
18	P	culvert extension	PEM	K		719	0.017
19	P	culvert extensions and ditch	PEM	M/Q		1,673	0.038
20	P	ditch relocation	EPH	Q	119	486	0.011
21	T	buried utility installation	PEM	P		252	0.006
Permanent Impacts (P)			PEM			34,154	0.784
			PFO			1,522	0.035
			R3		274	2,108	0.048
			Ditch Relocation (EPH)		119	486	0.011
			Concrete Lining Removal (R4)		32	169	0.004
			Culvert Removal (R4)		137	1,644	0.038
			Total Wetland			*35,676*	*0.819*
			Total Stream		*562*	*4,407*	*0.101*
			Total Wetland and Stream		*562*	*40,083*	*0.920*
Temporary Impacts (T)			PEM			2,744	0.063
			R4		30	346	0.008
			R3		5	20	0.000
			Total Wetland			*2,744*	*0.063*
			Total Stream		*35*	*366*	*0.008*
			Total Wetland and Stream		*35*	*3,110*	*0.071*
Total Temporary and Permanent Impacts					597	43,193	0.992

NOTES:

1. EXISTING TOPOGRAPHIC AND PLANIMETRIC INFORMATION PROVIDED BY DEWBERRY.

2. THE WATERS OF THE U.S.(WOUS),INCLUDING WETLANDS, BOUNDARIES WERE DELINEATED BY DEWBERRY IN APRIL AND AUGUST 2014 BASED ON THE REQUIREMENTS OF THE U.S.ARMY CORPS OF ENGINEERS (USACE) WETLANDS DELINEATION MANUAL (Y-87-1) AND THE REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: EASTERN MOUNTAINS AND PIEDMONT REGION VERSION 2.0. THESE BOUNDARIES WERE CONFIRMED BY THE THE CORPS IN A JURISDICATIONAL DETERMINATION (JD LETTER) JURISDICTIONAL DETERMINATION (JD) DATED NOVEMBER 12,2014 (CORPS PROJECT NO. NAO-2007-2423).

3. DELINEATED AND FLAGGED WATERS OF THE U.S.BOUNDARIES WERE FIELD-LOCATED BY DEWBERRY IN APRIL AND AUGUST 2014 UTILIZING CONVENTIONAL SURVEY METHODS.



EASEMENT IMPACT SUMMARY					
Easement Impact Number	Impact Type	Easement Type	Protective Instrument	Area (Sq. Ft.)	Area (Acre)
P1	Vacate	Preservation		2,616	0.060
P2	Vacate	Preservation		3,144	0.072
P3	Vacate	Preservation		2,837	0.065
P4	Vacate	Preservation		1,140	0.026
P5	Vacate	Preservation		1,601	0.037
P6	Vacate	Preservation		740	0.017
P7	Vacate	Preservation		1,660	0.038
P8	Vacate	Conservation	20091001-0066895	4,053	0.093
P9	Temporary	Conservation	20091001-0066895	8,037	0.185
			Total Easement Impact	*25,828*	*0.593*
			Total of all Easements to be Vacated	*17,791*	*0.408*
			Proposed Easement to be Replaced (1:1 ratio)	*17,791*	*0.408*

SCALE

0 500' 1,000'

ASHBURN VILLAGE BOULEVARD / RT.7 INTERCHANGE

OVERALL WOUS/WETLAND IMPACT MAP

LOUDOUN COUNTY,VIRGINIA

Dewberry

Date : NOVEMBER 2014

Scale : 1"=500'

Sheet : 1 OF 8

LEGEND:

(1) Permit Plate Number

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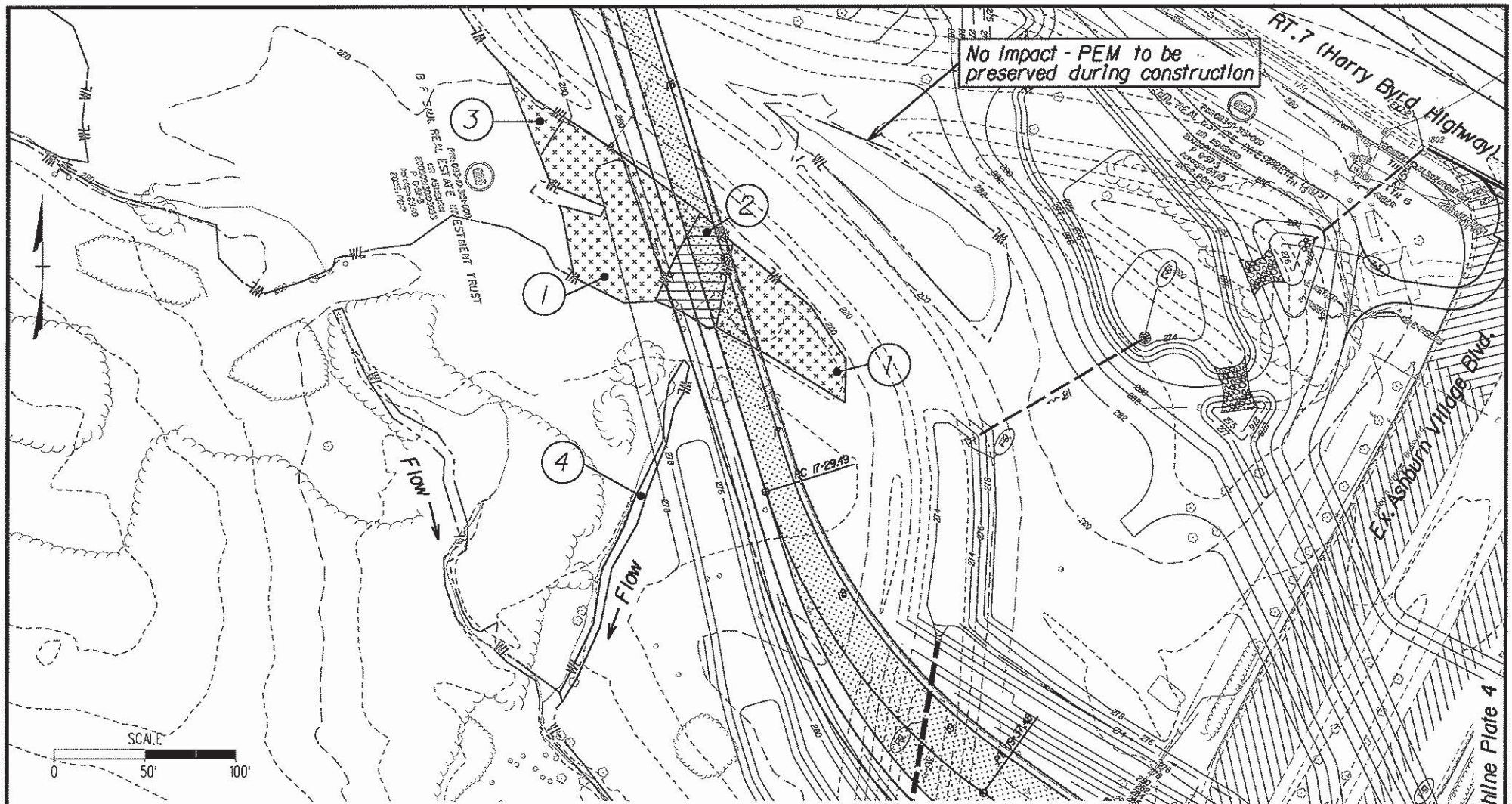
FEB 12 2015
MARINE RESOURCES COMMISSION



ROUTE 7/ASHBURN VILLAGE BOULEVARD INTERCHANGE

WOUS/WETLAND IMPACT PLATE #1

LOUDOUN COUNTY, VIRGINIA

Dewberry®

Date : NOVEMBER 2014

Scale : 1"=50'

Sheet : 2 OF 8

IMPACT LEGEND:

- Temporary PEM
- Permanent PEM
- Permanent PFO
- (1) Impact Number

Denotes Construction Limits In Cuts

Denotes Construction Limits In Fills

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MARINE RESOURCES COMMISSION

Note: 100% biodegradeable coir fiber matting and wetland seed mix to be applied to the regraded channel after removal of the 6'x4.5' culvert (Impact #6) and concrete lining channel (Impact #5).

Ex. channel concrete lined channel to be removed

Ex. culvert to be removed (137'-6'x4.5' CMP)

Prop. double box culvert (219'-10'x6') to be countersunk 6" with low flow diversion at inlet on south box.

Ex. preservation esmt.

Ex. Ashburn Village Blvd.

Flow

Matchline Plate 1

Matchline Plate 3

SCALE 0 50' 100'

ROUTE 7/ASHBURN VILLAGE BOULEVARD INTERCHANGE

WOUS/WETLAND IMPACT PLATE #2

LOUDOUN COUNTY, VIRGINIA

Dewberry®

Date : NOVEMBER 2014

Scale : 1"=50'

Sheet : 3 OF 8

IMPACT LEGEND:

Temporary - Stream

Permanent - Culvert/Concrete Lining Removal

Permanent - PEM

(1) Impact Number

Ex. Preservation Easement

(P1) Ex. Preservation Easement Impact/Removal

Denotes Construction Limits in Cuts

Denotes Construction Limits in Fills

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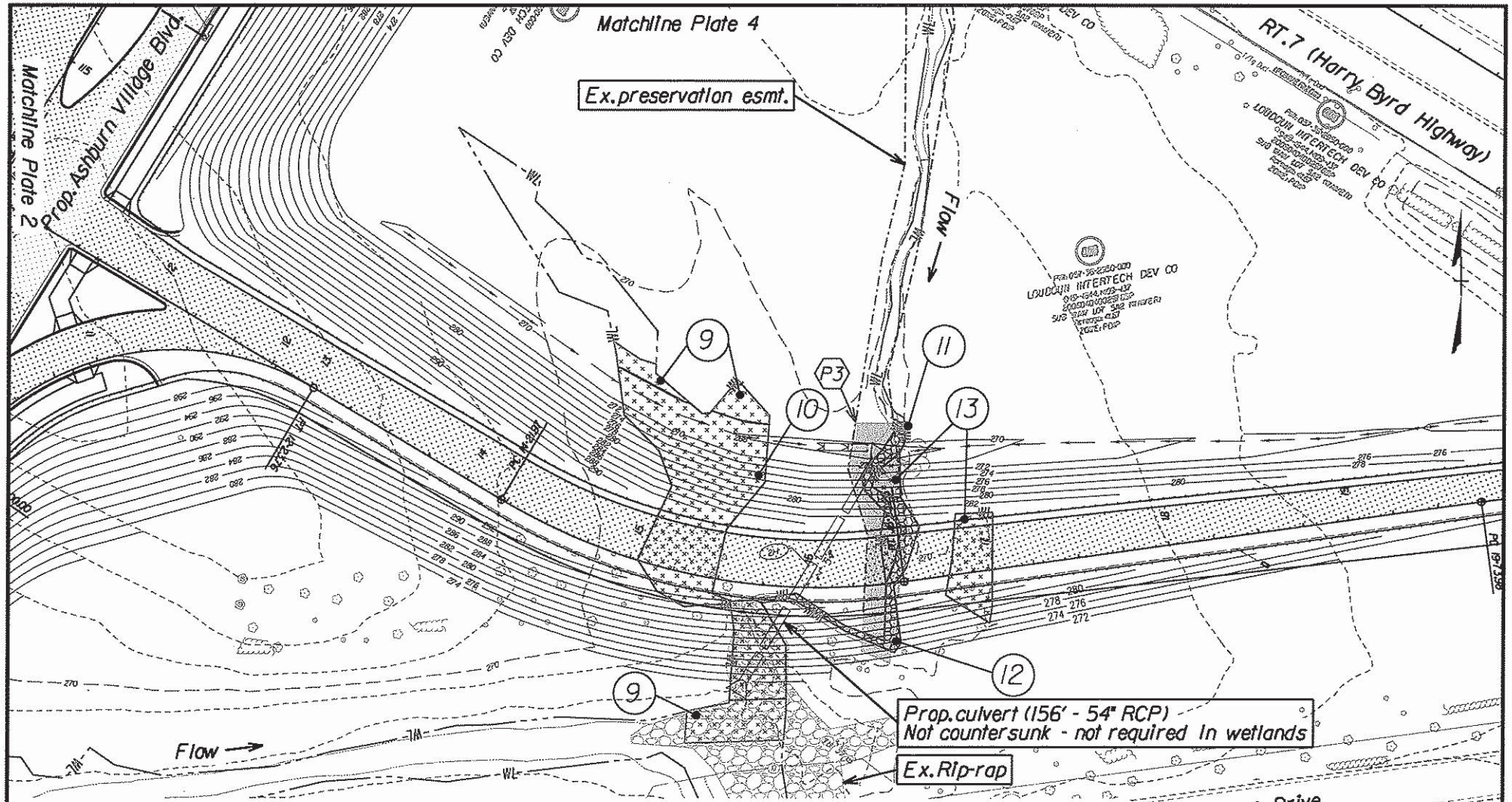

ROUTE 7/ASHBURN VILLAGE BOULEVARD INTERCHANGE

WOUS/WETLAND IMPACT PLATE #3

LOUDOUN COUNTY, VIRGINIA

Dewberry

Date : NOVEMBER 2014

Scale : 1"=50'

Sheet : 4 OF 8

IMPACT LEGEND:

- Temporary - Stream
- Permanent - Stream
- Temporary - PEM
- Permanent - PEM

(1) Impact Number

Ex.Preservation Easement

(P1) Ex.Preservation Easement Impact/Removal

Denotes Construction Limits In Cuts

Denotes Construction Limits In Fills

RECEIVED
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MARINE RESOURCES COMMISSION

ROUTE 7/ASHBURN VILLAGE BOULEVARD INTERCHANGE

WOUS/WETLAND IMPACT PLATE #4

LOUDOUN COUNTY, VIRGINIA

Dewberry

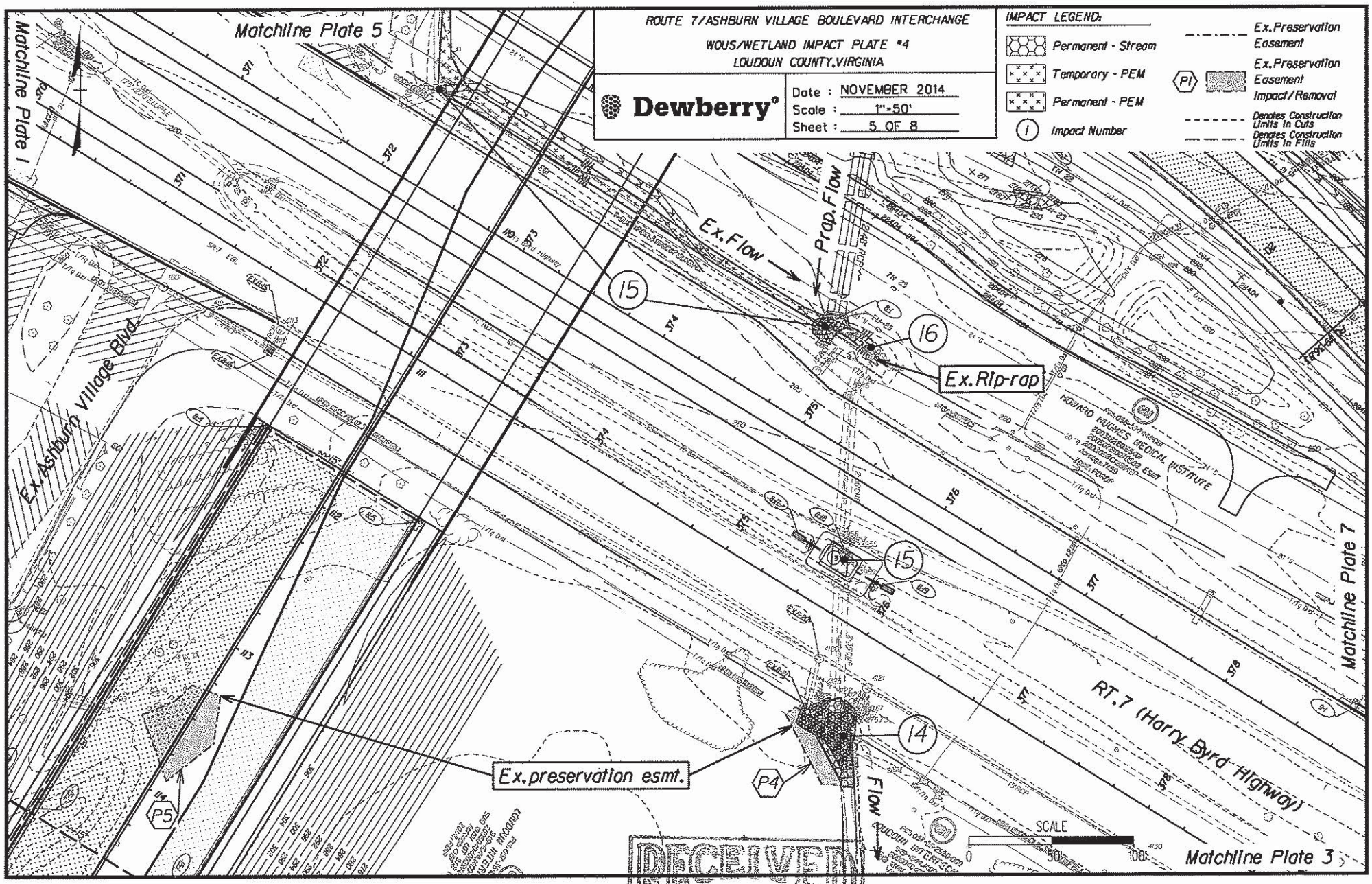
Date : NOVEMBER 2014

Scale : 1"=50'

Sheet : 5 OF 8

IMPACT LEGEND:

- Permanent - Stream
- Temporary - PEM
- Permanent - PEM
- (1) Impact Number
- Ex. Preservation Easement
- (P1) Ex. Preservation Easement Impact/Removal
- Denotes Construction Limits In Cuts
- Denotes Construction Limits In Fills



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ROUTE 7/ASHBURN VILLAGE BOULEVARD INTERCHANGE

WOUS/WETLAND IMPACT PLATE #5

LOUDOUN COUNTY, VIRGINIA

Dewberry

Date : NOVEMBER 2014

Scale : 1"=50'

Sheet : 6 OF 8

IMPACT LEGEND:

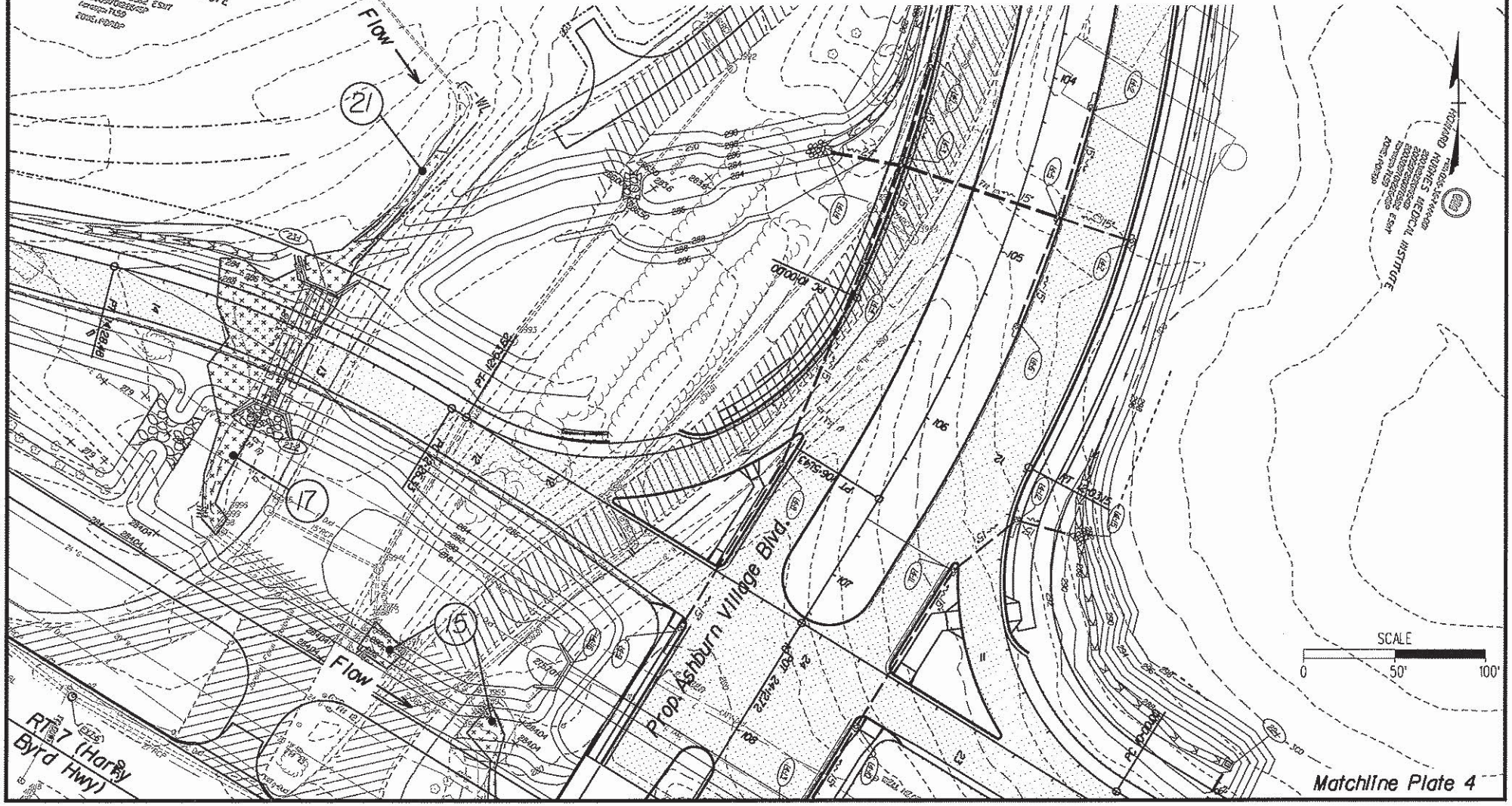
Temporary - PEM

Permanent - PEM

(1) Impact Number

Denotes Construction Limits In Cuts

Denotes Construction Limits In Fills



Note: 100% biodegradable coir fiber matting and wetland seed mix to be applied to the ditch relocation (Impact #20).

RT.7 (Harry Byrd Highway)

Proposed relocated ditch (119 Linear Feet)

Ditch relocation - self mitigating

Ex. preservation esmt.

18

19

20

P6

P7

SCALE 0 50' 100'

ROUTE 7/ASHBURN VILLAGE BOULEVARD INTERCHANGE

WOUS/WETLAND IMPACT PLATE #6

LOUDOUN COUNTY, VIRGINIA

Dewberry

Date : NOVEMBER 2014

Scale : 1"=50'

Sheet : 7 OF 8

IMPACT LEGEND:

Temporary - PEM

Permanent - PEM

Permanent - Ditch Relocation (Self-mitigating)

Ex. Preservation Easement

Ex. Preservation Easement Impact/Removal

Denotes Construction Limits In Cuts

Denotes Construction Limits In Fills

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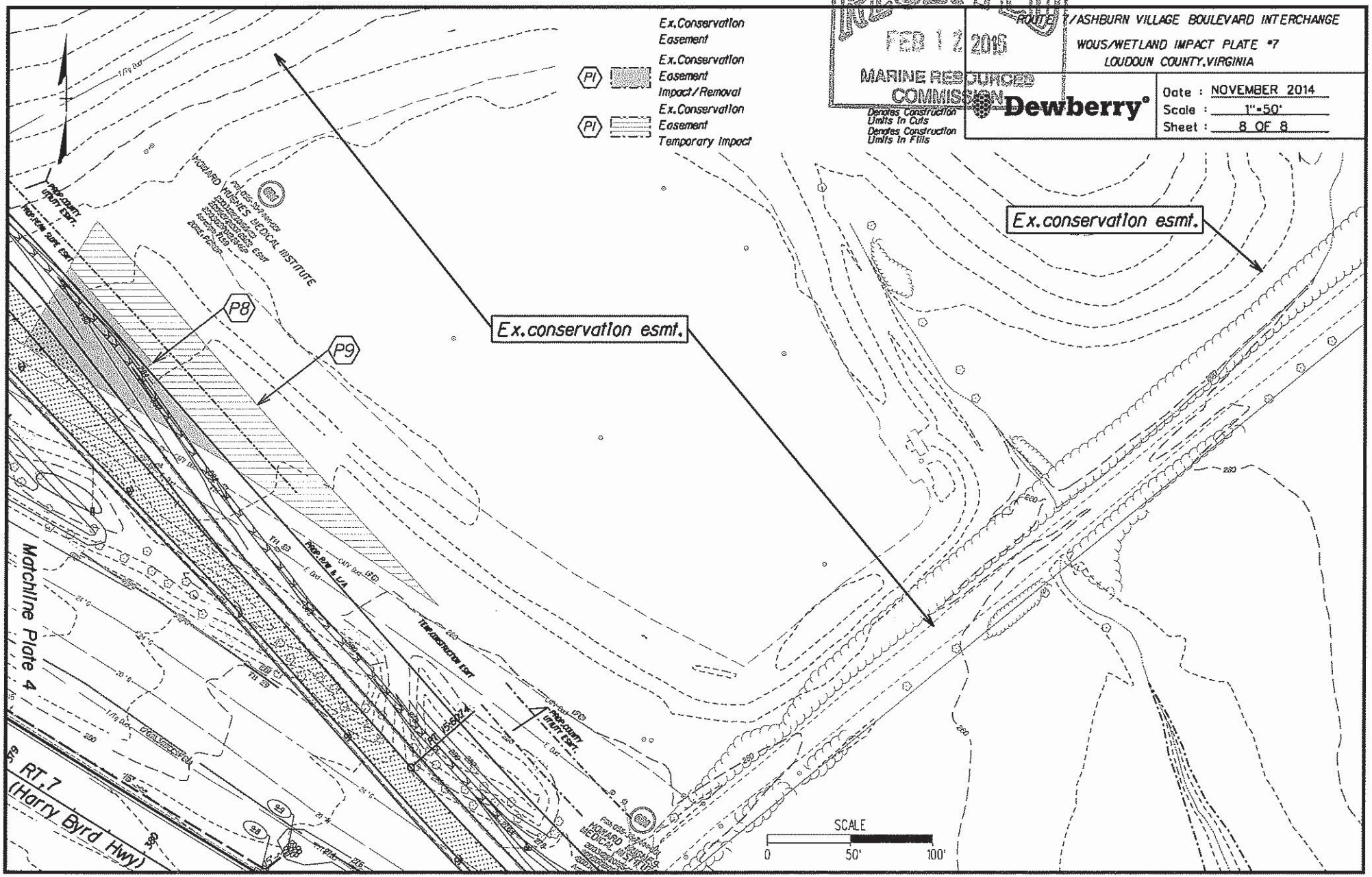
ROUTE 7/ASHBURN VILLAGE BOULEVARD INTERCHANGE
WOUS/WETLAND IMPACT PLATE #7
LOUDOUN COUNTY, VIRGINIA

Dewberry

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