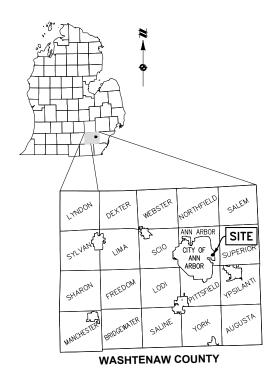
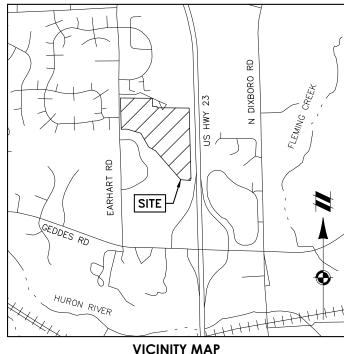
CONCORD PINES OF ANN ARBOR

A SINGLE FAMILY RESIDENTIAL DEVELOPMENT CITY OF ANN ARBOR, WASHTENAW COUNTY, MI EGLE WETLAND IMPACT PLANS





SCALE: 1" = 2000 FEET

PROJECT DEVELOPER

TOLL BROTHERS 26200 TOWN CENTER DR. SUITE 200 NOVI MICHIGAN 48375 PHONE: 231.675.0224 ATTN: SCOTT HANSEN

EMAIL: SHANSEN@TOLLBROTHERS.COM

WETLAND CONSULTANT

NISWANDER ENVIRONMENTAL, LLC. 9436 MALTBY ROAD BRIGHTON, MI 48116 CONTACT: TYLER J. SMITH 810.225.0539 FMAII: TSMITH@NISWANDER-FNV.COM

PROJECT ENGINEER

ATWELL, LLC 311 N. MAIN STREET ANN ARBOR, MICHIGAN 48104 CONTACT: MATT BUSH PHONE: 734.994.4000 EMAIL: MBUSH@ATWELL-GROUP.COM

PROJECT SURVEYOR

ATWELL, LLC
TWO TOWNE SQUARE, SUITE 700
SOUTHFIELD, MICHIGAN 48076
CONTACT: MICHAEL EMBREE
PHONE: 734.447.2000
FMAII: MFMBRFF@ATWFII-GROUP.COM

SHEET INDEX

SITE LOCATION MAP STORMWATER PLAN 01 10 02 SITE PLAN OF DEVELOPMENT 11 DETENTION A PROFILE & CALCS WETLAND IMPACT PLAN DETENTION B PROFILE & CALCS 03 12 04 WETLAND IMPACT 1 PLAN 13 DETENTION C PROFILE & CALCS CROSS SECTION A1 14 DETENTION C CALCS CROSS SECTION A2 BMP NOTES 06 15 WETLAND IMPACT 2 PLAN SESC NOTES 16 08 CROSS SECTION B1 17 SESC NOTES

VERTICAL DATUM

VERTICAL DATUM IS BASED ON NAVD88.
REFERENCE CONTROL POINTS: AAGRS NO.
0008A & 0005B

CROSS SECTION B2

BASIS OF BEARING

BEARINGS ARE BASED ON MICHIGAN STATE PLANE COORDINATES (NAD83), SOUTH ZONE, GROUND DISTANCES, INTERNATIONAL FEET.



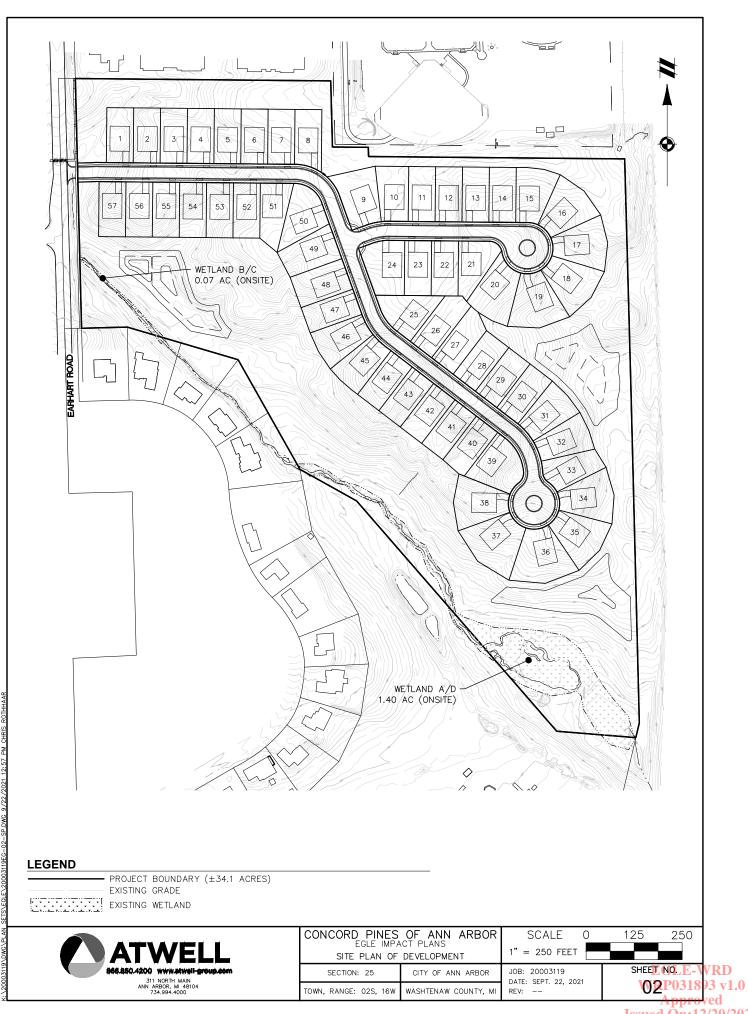
CONCORD PINES	OF ANN CT PLANS	ARBOR						
SITE LOCATION MAP								
SECTION: 25	CITY OF AN	IN ARROR						

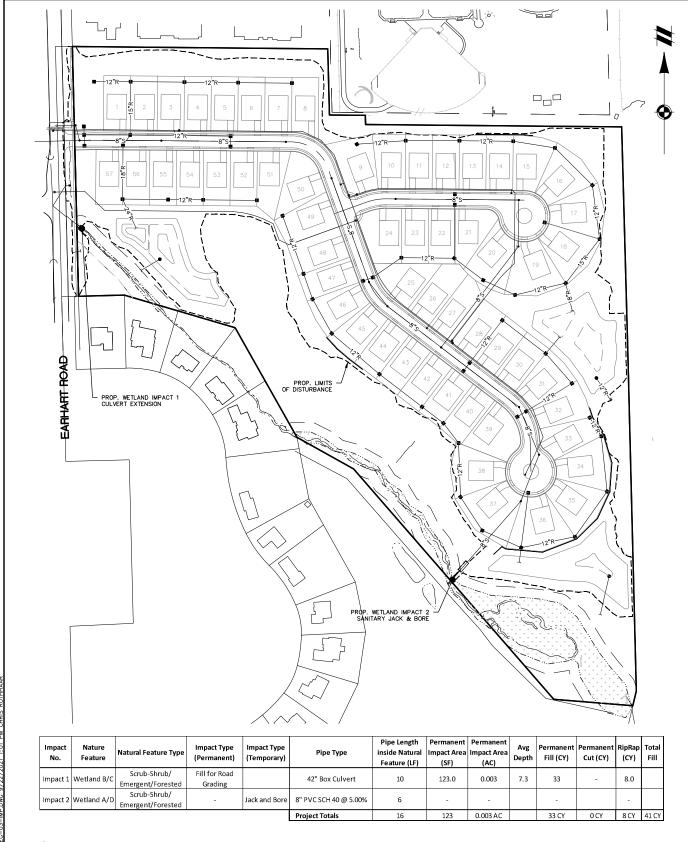
 SECTION:
 25
 CITY OF ANN ARBOR
 JOB:
 20003119

 TOWN, RANGE:
 02S, 16W
 WASHTENAW COUNTY, MI
 REV:
 -

JOB: 20003119
DATE: SEPT. 22, 2021
REV: -
SHEET NO. E
01 P0318

VRD





LEGEND

PROJECT BOUNDARY (±34.1 ACRES)

EXISTING GRADE

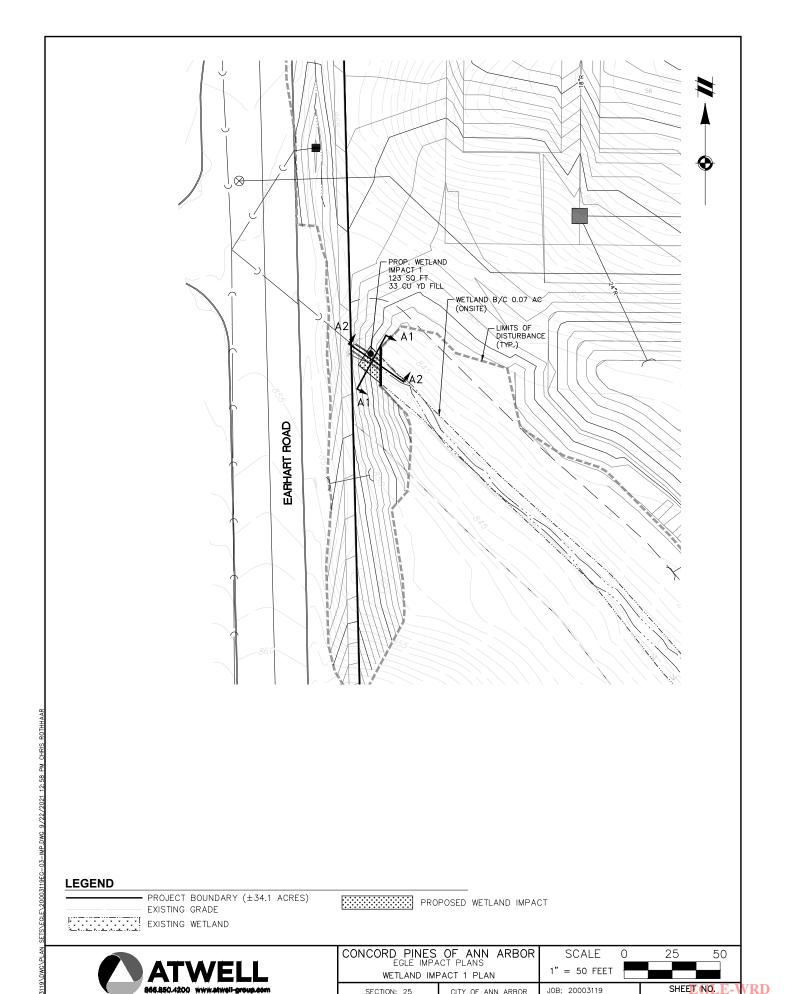
EXISTING WETLAND

ATWELL

311 NORTH MAIN ANN ARBOR, MI 48104 734.994.4000

CONCORD PINES EGLE IMPA WETLAND IM	OF ANN ARBOR CT PLANS IPACT PLAN
SECTION: 25	CITY OF ANN ARBOR
TOWN, RANGE: 02S, 16W	WASHTENAW COUNTY, MI

	SCALE 0	125 250	
	1" = 250 FEET		
1	JOB: 20003119	SHEET NO. FV	VRD
4	DATE: SEPT. 22, 2021	WAR P0318	93 v1 0
	REV:	U51 0510	75 11.0



SECTION: 25

TOWN, RANGE: 02S, 16W

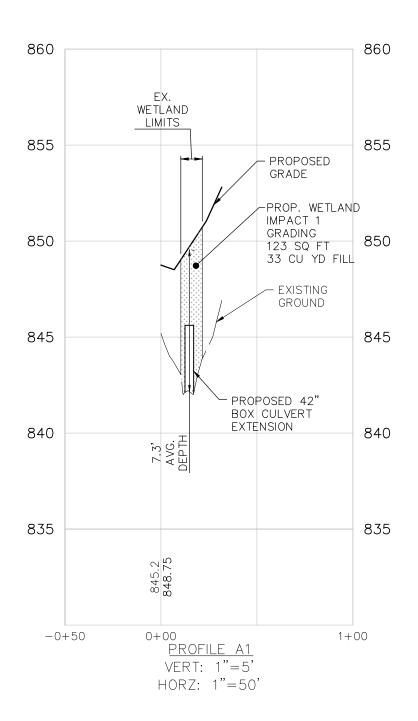
311 NORTH MAIN ANN ARBOR, MI 48104 734.994.4000

VRD DATE: SEPT. 22, 2021 **WAP**031893 v1.0 **red** Issued On:12/20/2021 **Expires On:12/20/2026**

JOB: 20003119

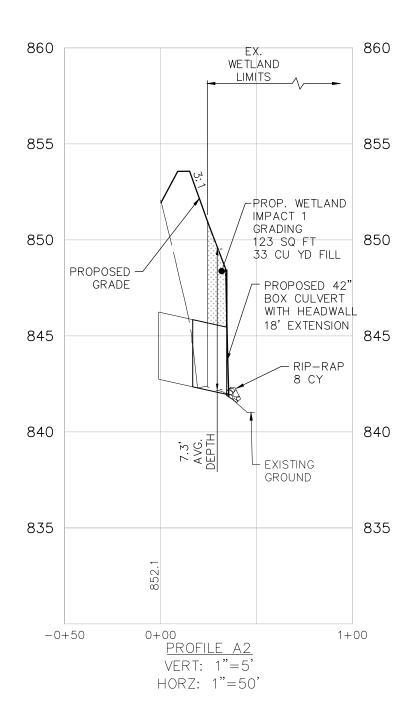
CITY OF ANN ARBOR

WASHTENAW COUNTY, MI



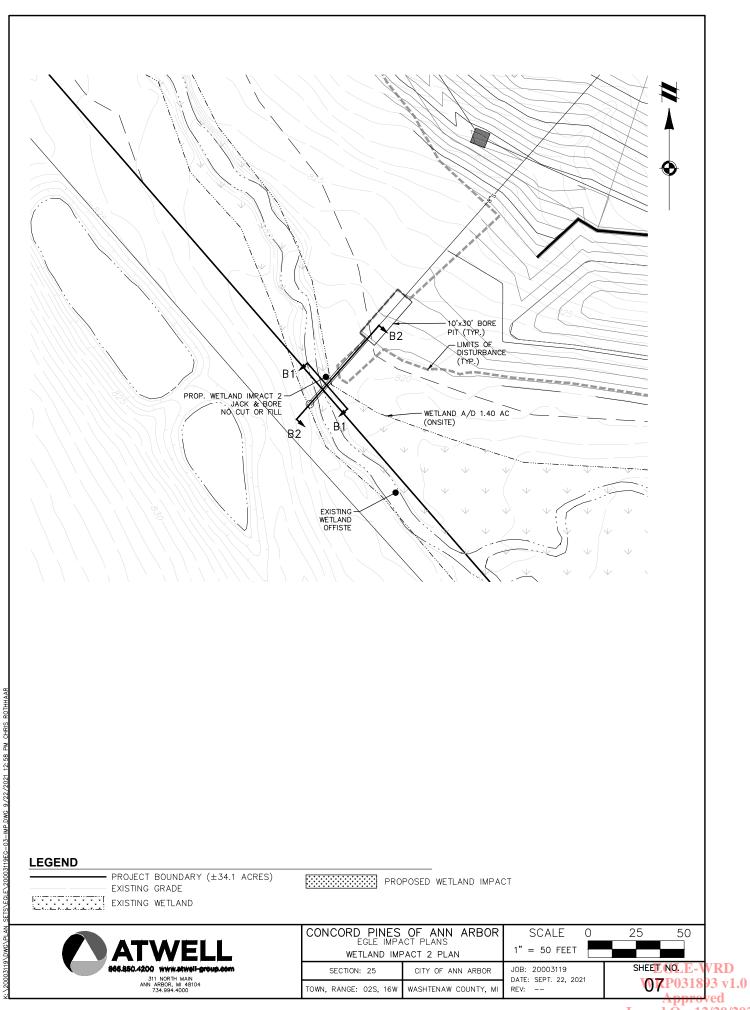


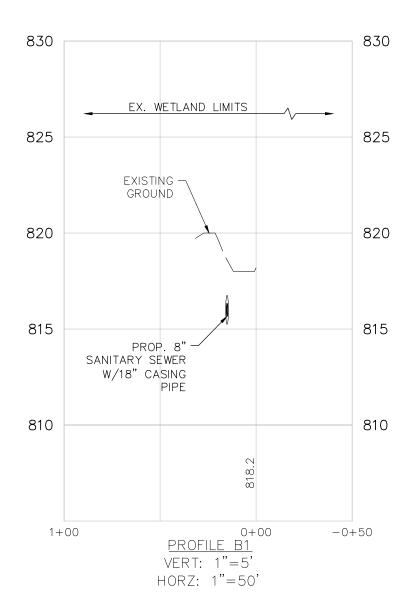
	OF ANN ARBOR	SCALE 0	25 50	
EGLE IMPA CROSS SE	CT PLANS	1" = 50 FEET		
CI(U33 3L	CHON AT			
SECTION: 25	CITY OF ANN ARBOR	JOB: 20003119	SHEET NO. E-V	VRD
		DATE: SEPT. 22, 2021	WBP0318	93 v1.0
TOWN, RANGE: 02S, 16W	WASHTENAW COUNTY, MI	REV:	Annro	vod





	OF ANN ARBOR	SCALE 0	25 50	
	CT PLANS CCTION A2	1" = 50 FEET		
			SHEET, NO. FV	/DD
SECTION: 25	CITY OF ANN ARBOR	JOB: 20003119 DATE: SEPT. 22, 2021	LOLL	KD
TOWN, RANGE: 02S, 16W	WASHTENAW COUNTY, MI	REV:	06 P03189	3 v1.



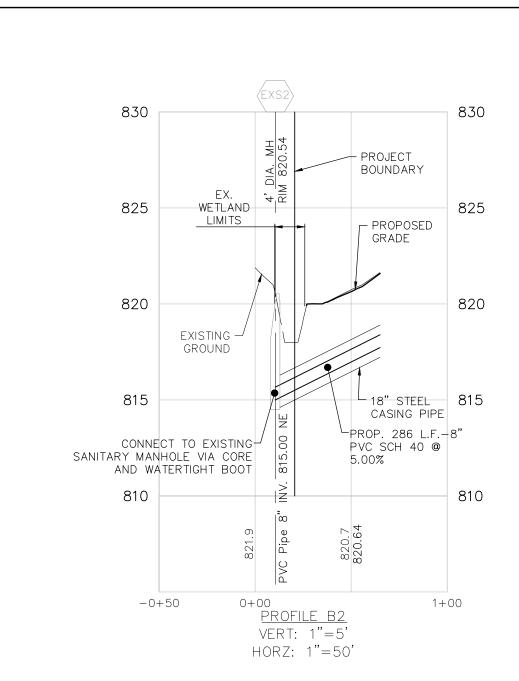


TOWN, RANGE: 02S, 16W



CONCORD PINES		SCALE 0	25 50	
EGLE IMPA	CT PLANS	4" 50 555		1
CROSS SI	ECTION B1	1" = 50 FEET		1
SECTION: 25	CITY OF ANN ARBOR	JOB: 20003119	SHEET NO. E-	WRD
TOWN RANGE: 02S 16W	WASHTENAW COUNTY MI	DATE: SEPT. 22, 2021 REV:	W8P0318	393 v1.0

WASHTENAW COUNTY, MI



ATWELL
866.850.4200 WWW.atwell-group.com
311 NORTH MAIN
ANN ARBOR, MI 48104
734.994.4000

CONCORD PINES OF ANN ARBOR

EGLE IMPACT PLANS

CROSS SECTION B2

SECTION: 25 CITY OF ANN ARBOR

TOWN, RANGE: 02S, 16W WASHTENAW COUNTY, MI

1" = 50 FEET

JOB: 20003119

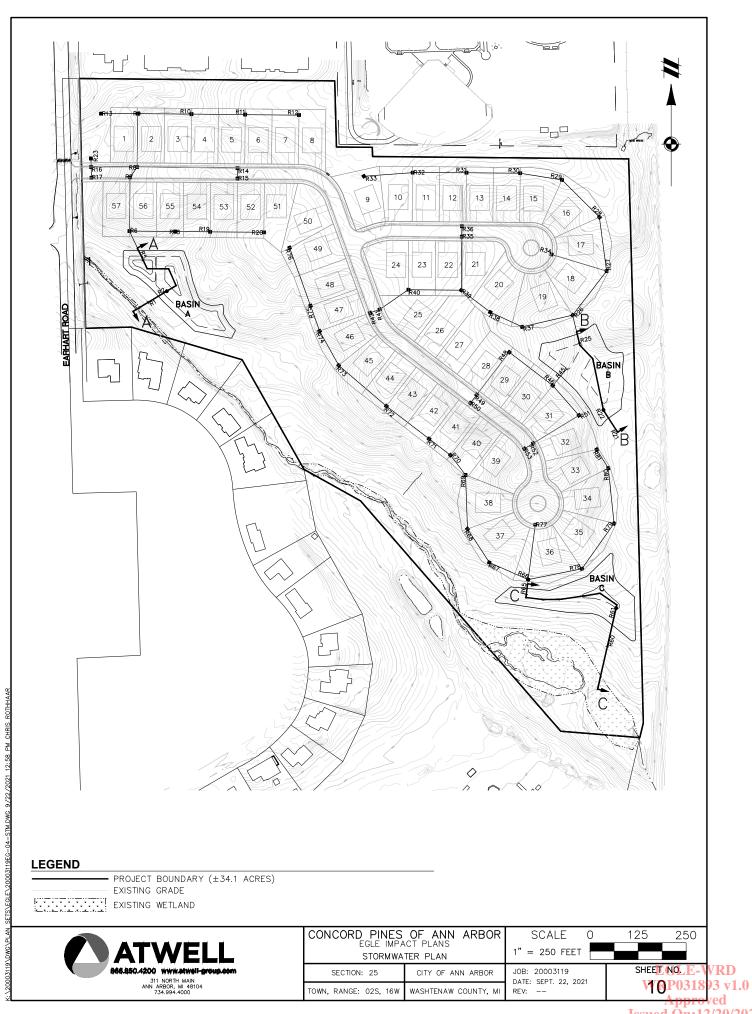
DATE: SEPT. 22, 2021

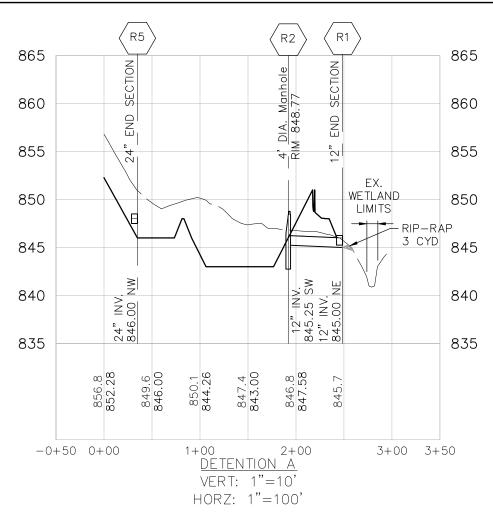
SCALE

SHEET NG.E-WRD
09P031893 v1.0
Approved

50

25





BASIN A OUTLET CALCULATIONS:

Elevation	Surface Area (SF)	Depth (FT)	Forebay Only Volume (CF)	Detention Basin Only Volume (CF)	Cumulative Volume (CF)	First Flush Zff	Bank Full Zbf	100-Year Z100
843.00	1,735							
844.00	2,960							
845.00	5,400							
Zo 846.00	7,890	0	0	0	0	13,465	19,972	38,639
847.00	10,580	1.0	1,640.0	9,235	10,875	-	-	-
848.00	13,540	1.0	2,620.0	12,060	25,555	847.18	847.62	-
849.00	20,650	1.0	0.0	17,095	42,650	-	-	848.77
850.00	24,620	1.0	0.0	22,635	65,285	-	-	-
851.00	28,785	1.0	0.0	26,703	91,988	-	-	-
				Des	sign Elevations:	847.20	847.65	848.77

Total Basin Volume Provided to EL 851 = Freeboard Provided = Top of Bank - Z100 Bankfull Pond Area = Area @ Zbf

1. Standpipe outlet holes sizing - "first flush" runoff
First Flush runoff infiltrates -Therefore no holes required

2. Standpipe outlet holes sizing - "Bankfull flood" discharge Bankfull runoff infiltrates -Therefore no holes required

3. Standpipe outlet holes sizing - "100-yr flood" discharge
Q100 = Qa
A = Q100 /(.62 x sqrt(2*32.2*h))
Selected Orifice Diameter =

Area of each orifice =

Number of orifice holes required =

Q100 = 1.14 cfs
A(required) = 0.22 sf

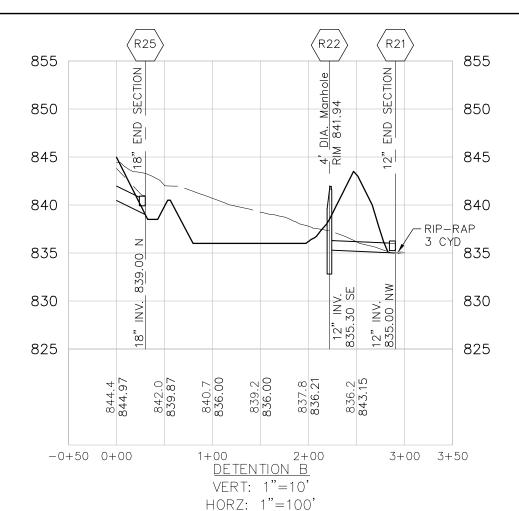
1 in
0.0055 sf
= 6 holes at elev. 846.00



	OF ANN ARBOR	SCALE 0	50	100
	CT PLANS ROFILE & CALCS	1" = 100 FEET		
SECTION: 25	CITY OF ANN ARBOR	JOB: 20003119 DATE: SEPT. 22, 2021	SHEET	
TOWN, RANGE: 02S, 16W	WASHTENAW COUNTY, MI	REV:	I MA	P031893 v1.0

91,988 cf

0.28 ac



BASIN B OUTLET CALCULATIONS:

Elevation	Surface Area (SF)	Depth (FT)	Forebay Only Volume (CF)	Detention Basin Only Volume (CF)	Cumulative Volume (CF)	First Flush Zff	Bank Full Zbf	100-Year Z100
836.00	5,185							
837.00	6,880							
838.00	8,825							
Zo 838.50	9,850	0	0	0	0	21,124	33,563	65,517
839.00	11,210	0.5	1,561.3	5,265	6,826	-	-	-
840.00	13,745	1.0	4,077.5	12,478	23,381	839.86	-	-
840.50	15,085	0.5	2,546.3	7,208	33,135	=	-	-
841.00	22,625	0.5	-	9,428	42,563	-	840.52	-
842.00	26,080	1.0	-	24,353	66,915	-	-	841.94
843.00	29,764	1.0	-	27,922	94,837	-	-	-
843.5	31,665	0.5	-	15,357	110,194	-	-	-
				Desi	gn Elevations:	839.86	840.52	841.94

Total Basin Volume Provided to EL 843.5 = Freeboard Provided = Top of Bank - Z100 Bankfull Pond Area = Area @ Zbf

= 110,194 cf = 1.56 ft = 0.35 ac

1. Standpipe outlet holes sizing - "first flush" runoff

First Flush runoff infiltrates -Therefore no holes required

2. Standpipe outlet holes sizing - "Bankfull flood" discharge

Bankfull runoff infiltrates -Therefore no holes required

3. Standpipe outlet holes sizing - "100-yr flood" discharge

Q100 = Qa A = Q100 /(.62 x sqrt(2*32.2*h)) Selected Orifice Diameter =

Area of each orifice =
Number of orifice holes required =

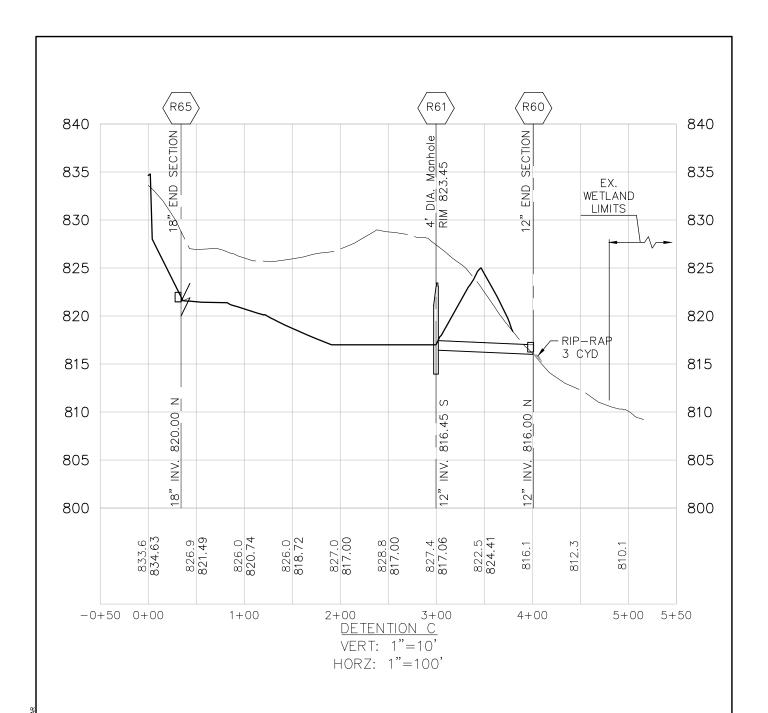
Q100 = 1.65 cfs
A(required) = 0.28 sf

1 in
0.0055 sf
= 8 holes at elev. 838.50



	OF ANN ARBOR	SCALE	0	50	100
EGLE IMPA DETENTION B PI	1" = 100 FEET				
SECTION: 25	CITY OF ANN ARBOR	JOB: 20003119 DATE: SEPT. 22, 202	,	SHEET	NO.E-V
TOWN, RANGE: 02S, 16W	WASHTENAW COUNTY, MI	REV:	'	112	P0318

VRD 93 v1.0



TOWN, RANGE: 02S, 16W



	OF ANN ARBOR	SCALE 0	50 10	00
	ROFILE & CALCS	1" = 100 FEET		ł
SECTION: 25	CITY OF ANN ARBOR	JOB: 20003119 DATE: SEPT. 22, 2021	SHEET NO.	E-WRD
TOWN, RANGE: 02S, 16W	WASHTENAW COUNTY, MI	REV:	MBP 03	31893 v1.0

WASHTENAW COUNTY, MI

BASIN C OUTLET CALCULATIONS:

Elevation	Surface Area (SF)	Depth (FT)	Forebay Only Volume (CF)	Detention Basin Only Volume (CF)	Cumulative Volume (CF)	First Flush Zff	Bank Full Zbf	100-Year Z100
Zo 817.00	2,080	0	0	0	0	11,137	17,395	64,397
818.00	3,745	1.0	0	2,913	2,913	-	-	-
819.00	5,796	1.0	0	4,771	7,683	-	-	-
820.00	8,205	1.0	0	7,001	14,684	819.45	-	-
821.00	10,760	1.0	0	9,483	24,166	-	820.29	-
822.00	13,550	1.0	1,087.5	12,155	37,409	-	-	-
823.00	16,565	1.0	2,647.5	15,058	55,114	-	-	-
824.00	24,690	1.0	0	20,628	75,741	-	-	823.45
825.00	29,630	1.0	0	27,160	102,901		-	-

Design Elevations: 819.45 820.29 823.45

 Total Basin Volume Provided to EL 825 =
 =
 102,901 of

 Freeboard Provided = Top of Bank - Z100
 =
 1.55 ft

 Bankfull Pond Area = Area @ Zbf
 =
 0.46 ac

1. Standpipe outlet holes sizing - "first flush" runoff

First Flush discharge should be released from in 24 hours

 Qff = Vff / 24 hrs / 3600 sec
 Qff =
 0.129 cfs

 hff(ave) = 2/3 x (Zff - Zo)
 hff(ave) =
 1.633 ft

 Aff(required) = Qff / 0.62 x sqrt(2*32.2*h)
 A(required) =
 0.020 sf

 Selected Orifice Diameter =
 1 in

 Area of each orifice =
 0.0055 sf

 Number of orifice holes provided =
 3 holes at elev.
 817.00

Check First Flush discharge release time

2. Standpipe outlet holes sizing - "Bankfull flood" discharge

Bankfull should discharge within 36 to 48 hours

Check release from first flush holes only

Bankfull detained between 36-48 hrs using First Flush holes only - no add'l holes required

3. Standpipe outlet holes sizing - "100-yr flood" discharge

Q100 = Qa Q100 = 0.89 cfs Release from above holes hff = (Z100-Zo) hff = 6.45 ft hbf = (Z100-Zff)hbf = 4.00 ft $Q = A \times 0.62 \times sqrt(64.4*hff) + A \times 0.62 \times sqrt(64.4*hbf) =$ 0.21 cfs Remaining flow = Q100-Q= 0.68 cfs A(required) = $A = Q100 / (.62 \times sqrt(2*32.2*h))$ 0.08 sf Selected Orifice Diameter = 2 in Area of each orifice = 0.0218 sf Number of orifice holes required = 3 holes at elev. 820.29

ETS\EGLE\20003119EG-04-STM.DWG 9/22/2021 12:58 PM CHRIS



CONCORD PINES OF A			ARBOR			
	DETENTION C CALCS					
	SECTION: 25	CITY OF AN	IN ARBOR			

WASHTENAW COUNTY, MI

TOWN, RANGE: 02S, 16W

1" = 250 FEET

JOB: 20003119

DATE: SEPT. 22, 2021

SCALE

O.K.

250

125

CONDITIONS STATE

1. THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL AUTHORITY AND THE MICHGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES & PALL BETENGY (GEGL). IN FORCE ON DATE OF PREPOVAL SHALL GOVERN ALL MATERIALS SAN DEVOKAMENT IN FORCE ON DATE OF PREPOVAL SHALL GOVERN ALL MATERIALS SAN DEVOKAMENT OF BY THE CONSTRUCTION OF PREPAGNS (INCLUDING SHALL GETTER THE RECENTING SHALL SHEET PROLIDERENTS THE RECENTING SHALL SHEET PROLIDERENTS AND SHEED SHALL SHEET PROLIDERENTS THE RECENTING SHALL GETTER RECENTING SHALL GETTER RECENTING SHALL GETTER RECENTING SHALL GETTER RECOVERS SHALL GETTER RECENTING SHALL GETTER RECENTING SHALL GETTER RECOVERS SHALL GETTER RECENTING SHALL GETTER RECOVER SHALL GETTER RECOVERS SHALL GETTER RECENTING SHALL GETTER RECOVER SHALL GETTER RECOVER SHALL GETTER SHALL GET

2

16. AREA OF DISTURBED SOIL THAT REMAIN INACTIVE FOR 14 DAYS MUST HAVE TEMPORARY OR PERMANENT STABILIZATION IN PLACE USLAMLY, THE OFFICE THAT SEED AND MULCHED HAT TO ANY SEED AND MULCH BUT TO AN ALSO INCLUDE AGGREGATE COVER, FROSION CONTROL BLANKETS, TURF REINFORCEMENT MAYS, OR OTHER APPROPRIATE STABILIZATION PRACTICE.

17. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUDE MASSINGE ANGE NOTICE ASSENT OF THE STABILIZATION IN PACIFICE.

18. ADDITIONAL ENGINENT AND/OR POLLITARYS ROAM LEAWNOT HE STIFE.

19. CERRINAL CONTRACTOR STABLE BY RESOURCE AND THE STIFE.

20. SEDIMENT SHALL BE REPONSIBLE TO TAKE WHATEVER MEANS NECESSARY BY ON-SITE INSPECTION.

21. CERAINP WILL BE DONE IN A MANINER TO ENSIRES WHE IN STABLES ARE NOT DISTURBED.

22. CONTRACTOR SHALL BE RESOURCE THAT ERGOSION CONTROL MEASURES ARE NOT DISTURBED.

23. CONTRACTION OF REAL DISTURBED.

24. CONTRACTOR SHALL BE REPONSIBLE TO TAKE WHATEVER MEANS NECESSARY BY OR DISTURBED.

25. CONTRACTOR SHALL BE REPONSIBLE TO TAKE WHATEVER MEANS SHEES ARE NOT DISTURBED.

26. CONTRACTOR SHALL BE RESOURCE AND THAT PREVIOUND HER DISTURBED.

27. CONTRACTOR SHALL BE SCHEDULED AND PERFORMED SO THAT PREVIOUND THE STABLED.

28. SERGIAL MEET OF THE STABLE SHALL BE SELECTED BY THE CONTRACTOR WITH FULL CONSIDERATION FOR YOUR WASSINES ARE NOT DISTURBED.

28. SERGIAL PRECAUTIONS.

38. SERGIAL PRECAULIONS WILL BE SELECTED BY THE CONTRACTOR WITH FULL CONSIDERATION FOR YOUR THAT TO THE TOWN THAT THE

CONCORD PINES OF ANI EGLE IMPACT PLANS

ONCE 2.5.FCIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT STITATIONS THAT PROMOTE EROSION, 26.FERNAMENT STABLIZATION IS ACHIEVED ONCE THE COCAL AUTHORITES PERFORM A FINAL INSPECTION OF THE COMPLETED PROJECT IN THE PROJECT HAS PASSED LOCAL INSPECTION. A NOTICE OF TERMINATION (NOT) SHALL BE FILED BY THE CONTRACTOR WITH THE AND TO DEFEND A CACION WITH THE WITHOUT A NUMBER FERMIN. SHALL DENOTE LOCATION OF CONCRETE IN MASHOUT AREAS (F USED) ON THE SWAPP.

ANN

CITY OF ANN ARBOR

WASHTENAW COUNTY, MI

BMP NOTES

SECTION: 25

TOWN, RANGE: 02S, 16W

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES & ENERGY:

ARBOR

JOB: 20003119

DATE: SEPT. 22, 2021

0 SCALE

CONSTRUCTION PERMITTER(S) THAT HAS AUTHORIZATION TO DISCHARGE UNDER A NATIONAL PERMIT (WPDES) SHALL COMPLY WITH THE FOLIAGEMENT AGREEMENT REQUIREMENTS MAY BE MORE STRINGENT).

1. UNOT DIRECLITY OR NIDIRECLITY DISCHARGE WISTES SLICH AS DISCHARGE BUILDING MATERIALS. CONCRETE TRUCK WASHOUT, CHEMORALS. LUBRICANTS FULLES THE WASHOUT CHEMORALS.

2. UNDERCLITY OR NIDIRECLITY OR NIDIRECLITY OR ANY OTHER SUBSTANCE THE CONTROL UNDER THE NOT WASHOUT, CHEMORALS.

2. UNDERCLITY OR NIDIRECLITY OR NIDIRECLITY OR WASHOUT, CHEMORALS.

3. WICH ARREAD OF THE 1994 PAA 451, MCJ. 324.70 OFTER SUBSTANCE THE NIDIRE NIDIRE WASHOUT OF THE SUBSTANCE WITH A MAINTAIN AND DEFRANT THE AUGUSTANCE WITH STRICE OF THE SUBSTANCE WASHOUT OF THE SUBSTANCE WITH A MAINTAIN AND DEFRANT THE SOLI EROSON CONTROL WEASURES THE SOLI EROSON CONTROL WEASURES THE SOLI EROSON CONTROL WEASURES. THE CONTROL WEASURES THE CARRED OUT BY AN AUTHORIZED PUBLIC ACCRETAL OF THE SUBSTANCE WASHOUT TO BE THE SOLICE OFFICE THE SUBSTANCE WITH A PRECEDING MAINTAIN AND DEFRANT THE REQUIREMENT OF THE SUBSTANCE WITH THE PROPERTY OF THE SUBSTANCE WITH A PRECEDING MAINTAIN AND DEFRANT THE RECOMMENDING WEEK THAT THE SUBSTANCE WITH THE RECOMMENDING WEEK THAT THE SUBSTANCE WITH THE SUBSTANCE WITH THE RECOMMENDING WEEK THAT THE SUBSTANCE WITH THE REQUIREMENTS FOR CHARGE OUT A LOCK OF THE INSPECTION CONTROL WAS STAFT OF THE WAINTAINED WITH THE TRANSPORT OF THE SUBSTANCE WITH THE REQUIREMENTS FOR ON-THAT IS REMOVED FROM THE BOTTON TO CONTRINGE WITH THE PROPERTY OF THE SUBSTANCE WITH THE PROPERTY OF THE SUBS

BMP MAINTENANCE NOTES TO CONTRACTOR

REQUIRED FOR A COMPLETED PERSON IN ACCORDANCE WITH THE FOLLOWING: THIS PLAN SHALL BE MANTANED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REC STABLICATION, SEDMENTAINO NOOTHOOL MEASURES SHALL BE CHECKED BY A QUALIFIED PER (WHO IS ALSO A CERTIFIED STORM WATER OPERATOR), AND REPARED IN ACCORDANCE WITH S STATED ON THIS PIRK OR FINAL STABILIZ T DOCUMENTS (WHO IS ALL MEASURES S PHASE OF WORK THE CONTRACT DO

ki, 4; ĸ,

7. 9

BEST MANAGEMENT PRACTICES SEQUENCE:

NOTE: THE FOLDWING SESC ESCUENCE AND MACASHES ARE CREEAL TO EACH STRUCTURE LOCATION. ADDITIONAL MACASHES AND PHASING MAY BE REQUIRED DEPENDING ON THE INDIVIDUAL CONDITIONS SHOWN ON THE PROMISE. FOUNDATION SPOIL LOCATIONS SHOWN ON THE PLANGS) ARE FOR REFERENCE ONLY. CONTRACTOR MAY ADDITED ACT ACTUAL LOCATION AS NECESSARY TO BEST MAINTAIN EXISTING DEPAIRAGE WORKS AND MINIMILE MACASTER. TO BEST MAINTAIN EXISTING CONDITIONS SURROUNDING EACH WORK AREA. ALL EARTH DISTURBANCES ARE TO OCCUR ONLY WITHIN THE PERMITTED EASEMENT.

THESE THE CONTRACTORY IN THE NAME OF STATE PERMITS. THE CONTRACTOR SHALL CONTACT THE EGLE, IF NECESSARY, TO AMEND THE NODICE THE STORM WARRS OFFERANG CHARGED WITH CONDUCTING THE REQUIRED OF CONCREGE (NOC) WITH THE NAME OF CENTRACTORY OF A STALL BE INCLUDED IN THE INDUCTION LICE. THE STALL SHALL BE RECURDED WITH CONDUCTION LICE. THE STALL SHALL BE RECURDED FROM THE GLET, AND THE STALL SHALL BE RECURDED WITH CONDUCTION SO A STALL BE ANALY BE

THE CONTRACTOR SHALL THE S.E.S.C. PERMIT IS LOGS (HARD FINAL PROJECT CLOSEOUT (ALL PROPOSED IMPROVEMENTS ARE COMPLETE)
ONCE ALL PERMANENT SOIL EROSION CONTROL MEASURES ARE COMPLETED AND PERMANENT VEGETATION ESTABLISHED, THE
OONTACT THE COVERNING ALTHORPHIES FOR A FINAL INSPECTION, ONCE THE SITE HAS PASSED ITS FINAL INSPECTION,
CLOSED AND NO PURTHER EATH DISRUPTION CAN OCCUR WITHOUT A NEW PERMIT.
THE NOTICE OF COVERAGE PERMITTE SHALL FILE A NOTICE OF TERMINATION (NOT) WITH THE EGLE AND RETAIN S.E.S.C.
ELECTRONICALLY) FOR A MINIMUM OF 5 YEARS.

ENVIRONMENT 崖

WATER, ANY SURFACE 용 PROHIBITED CONSTRUCTION ACTIVITES:

7 IS THE COMPACTOR SALL IN OUR CONSTRUCTION ACTIVITES:

7 IS THE CONTRACTOR SALL IN OUR CONSTRUCTION ACTIVITES:

1 IN ECONTRACTOR SALL IN OUR CONSTRUCTION ACTIVITES:

1 IN ECONTRACTOR SALL IN OUR CONSTRUCTION ACTIVITES:

1 IN EPOLIC FEALTH AND SAFETY. PROHIBITED CONSTRUCTION ACTIVITIES, PROCEEDINGS OR OFFEALTON'S INCLUDE BY ARE NOT THE PROHIBITED CONSTRUCTION ANTERIALS. EVEN WITH THE PERMISSION OF THE PROFILE OUR STATE AND SALES WITH A SET AND SALES WELL AND SALES WE WELL AND SALES WELL AND ON PROPERTY, PUBLIC

NOT

UCION EQUIPMENT AND VEHICLES AND OR STOCKPLING CONSTRUCTION MATERIALS ON PROPERTY, PUBLI AND APPROVED FOR THE SAID PLIRED SE. NOO IN SICH A MANNER THAT WOULD ALLOW CHIP WOOD DECOMPOSITION AND LEACHAITE WATER TO FLOW TO WETLAND.
OTHER CONSTRUCTION RELATED DEBRIS ONTO ROADWAY OR FLUSHING SEDMENT FROM ROADWAY WITH WATER.

SHEET NO. E-RD WBP031893 v1.0 ed Issued On:12/20/2021 **Expires On:12/20/2026**

1 NORTH MAIN ANN ARBOR, MI 48104 734.994.4000 866.850.4200

CONSTRUCTION DEWATERING PLAN

DEWATERING

AND/OR WATERSHED), AS NEEDED FOR CONSTRUCTION. SURFACE WATER AND/OR GROUNDWATER BY DIVERTING AND/OR REMOVING CONSTRUCTION AREAS WITHIN WATER FEATURES (I.E. WETLANDS, WATERCOURSE, DEFINITION: DEWATERING CONSISTS OF THE REMOVAL OF

GENERAL:

AS AMENDED RESOURCES AND ENVIRONMENTAL PROTECTION ACT (NREPA), 1994 PA 451, JOING THE TURBIDITY OF THE WATER INCLUDE: OF THE NATURAL RESOL OPTIONS FOR REDUCING L (SESC), WATERS, C DEWATERING ACTIVITIES SHALL CONFORM TO APPLICABLE PART 91, SOIL EROSION AND SEDIMENTATION CONTROL DURING DEWATERING ACTIVITIES, THE SEDIMENT LADEN WATER CANNOT BE DIRECTLY DISCHARGED TO SURFACE V

CONSTRUCTING A TEMPORARY SEDIMENT TRAP FOR TURBID WATER DISCHARGE PRETREATMENT.

A PORTABLE SEDIMENT CONTAINMENT SYSTEM SUCH AS DUMPSTERS

APPLICATION OF NATURAL BASED FLOCCULENT TECHNOLOGY SUCH AS CHITOSAN IN SEDIMENT TRAPS OR A SERIES OF DITCH CHECKS TO CONTAIN SEDIMENT.

DISCHARGE WATER THROUGH A SERIES OF FIBER LOGS OR A ROCK WEEPER INTO A LARGE VEGETATED BUFFER ଚଚ୍ଚଚ

DEWATERING OR BASIN DRAINING ACTIVITIES SHOULD NOT CAUSE EROSION IN RECEIVING CHANNELS OR ADVERSELY IMPACT WETLANDS ENERGY DISSIPATION SHOULD BE PROVIDED AT ALL DISCHARGE POINTS.

POLLUTANTS CONTROLLED AND MPACTS.
1. PROPER DEWATERING TECHNIQUES WILL FILTER WATER OF SEDIMENT, OILS, AND OTHER CHEMICALS, THUS PREVENTING THESE POLLUTANTS FROM ENTERING THE SURFACE WATERS.

APPLICATION: 1. DEWATER ACCUMULATED GROUND WATER OR STORMWATER VIA PUMP, DEWATERING BAG AND ENSURE DISCHARGED WATER DOES NOT CONTRIBUTE SEDIMENTATION TO RECEIVING WATERS. ن

THE BEGINNING OF AND DURING CONSTRUCTION WHEN IT IS NECESSARY TO LOWER THE WATER LEVELS WITHIN THE CONSTRUCTION AREA. PUMPING NEEDS TO BE MAINTAINED TO KEEP UTILITY DITCHES AND COFFERDAMS DRY UNTIL ALL UNDERGROUND WORK WHEN TO APPLY: APPLY AT TH COMPLETED.

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WHERE TO APPLY: ш

APPLY ON CONSTRUCTION SITES, WHERE APPROPRIATE, OR ANYWHERE ELSE DEWATERING IS NEEDED.

CLEAN WATER SHOULD BE PUMPED FROM THE GROUND AND DISCHARGED THROUGH HOSES TO DEWATERING BAGS OR OTHER ADEQUATE ENERGY DISSIPATION PRIOR TO DISCHARGING TO RECEIVING WATERS. THESE BEST MANAGEMENT PRACTICES (BM/PS) SHALL EMPROPED AS APPROPRIATE AND APPLICABLE ACCORDING TO LOCAL PERMITS AND REGULATIONS. WHEN CONSTRUCTION ENCOUNTERS UNCONTAMINATED GROUND WATER / SPRING WATER: = ÷

WHEN CONSTRUCTION ENCOUNTERS UNCONTAMINATED EXCAVATION DEWATERING: 9

CLEAN WATER SHOULD BE DISCHARGED TO A VEGETATED AREA, DITCHES OR OTHER CONVEYANCE VIA HOSE. ENERGY DISSIPATION SHOULD BE APPLIED TO THE DISCHARGE LOCATION TO MINIMIZE SCOUR. ALTERNATIVELY, UNCONTAMINATED WATER OF DISCHARGED TO RECHARGED BY LOCAL ASTAINS AND RECHARD STANDED STANDED BY LOCAL ASTAINS AND RECHARDED AND ALLOWED TO REPRESENT OF ALLOWED TO THE VALUE ASTAINS AND ALLOWED TO THE VALUE ASTAINS AS A TO THE VALUE AS A TO THE VALUE ASTAINS AS A TO THE VALUE AS A TO THE VALUE

RELATIONSHIP WITH OTHER BMPS:

CONCORD

SECTION: 25

TOWN, RANGE: 02S, 16W

SESC NOTES

DEWATERING IS OFTEN IMPLEMENTED IN CONJUNCTION WITH DEEP FOUNDATION. SEDIMENT BASINS AND FILTERS SHOULD BE CONSIDERED TO HELP FILTER THE DEWATERED WATER BEFORE IT IS DISCHARGED TO A SURFACE WATER WITHIN UPLANDS. UPLANDS. CIT. WHER NECESSARY TO MITHIALE, ENGINGNING, STRAW BALES, LENGING, STRAW BALES, MAN BAL

CHECK THAT EROSION CONTROL TOOLS ARE IN GOOD REPAIR AND PROPERLY FUNCTIONING PRIOR TO CONDUCTING DALLY WORK AND RE-INSTALL OR REPAIR AS REQUIRED PRIOR TO COMMENCING DALLY CONSTRUCTION ACTIVITIES

KEEP SEDIMENT AND EROSION CONTROL MEASURES IN PLACE UNTIL DISTURBED AREAS HAVE BEEN STABILIZED (I.E., RE-VEGETATED).) PINES EGLE IMPA

DEWATERING MUST BE DONE SO THAT THE VELOCITY OF THE DISCHARGED WATER DOES NOT CAUSE SCOURING OF THE RECEIVING AREA. IF THE RECEIVING AREA IS A STRUCTURAL BMP (I.E. BASIN OR SUMP), THE DESIGN OF THE BMP SHOULD BE BASED ON ANTICIPATED FLOW FROM THE DEWATERED AREA. DESIGN SPECIFICATIONS: G OF ANN PACT PLANS

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SEDMENT-LAGEN WATER FROM COFFEDAMS, TRENCHES, FOUNDATION EXCAVATIONS, AND OTHER AREAS WHICH NEED TO BE DEWATERED SHOULD BE PUMPED THROUGH A GEOTEXTILE MATERIAL BEFORE THE WATER IS DISCHARGED TO A SURFACE WATER BODS. THE FILTER BAG SHOULD BE SHOWN OF THE TOWN PACTOR AT AN UPLAN STE.

THE DEWATERED WATER IS DISCHARGED THROUGH A FILTER TO A COUNTY OR INTER COUNTY OR INTER COUNTY OR INTER COUNTY OR INTER A THE DEWATER AND WATER IS DISCHARGED THROUGH A FILTER TO A COUNTY OR INTER THE DEWATER AN AREA OF ACCUMULATED WATER. IF A ROCK BASE CANNOT BE USED, THE PUMP INTAKE SHALL BE ELEVATED TO DRAW WATER FROM THE TOP OF THE WATER COUNTY TO BUILT SEDMENTATION.

IMPLEMENT DEWATERING OF FOUNDATIONS AS NEEDED. A TEMPORARY SUMP AND ROCK BASE SHOULD BE USED WHERE A TEMPORARY PUMP IS INSTALLED TO DEWATER AN AREA OF ACCUMULATED WATER.

OUTLETS PUMPS SHALL BE PROFICETED FROM SCOUR ETHER BY RIPRAP PROFICETION, FABRIC UNER, AND/OR OTHER ACCEPTABLE WITHOUS FOR OUTLET PROFICETION.

OI DETEMPOY SUSSAINON (RIPRAPS) SHOULD BE APPLIED TO THE DISCHARGE FOR A DEMPORARY THE ADMINISHING AND A LARGE THAT VEGETATED AREA FOR FILTRATION PRIOR TO FLOWING INTO RECEIVING WATERS OGNOVEYANCES / DITCHES, IF DISCHARGE WATER IS TURBED. DEWATERNIGARGE, TURBED. DEWATERNIGARGE, TURBED.

PROPOSED BMPS AND WATER TREATMENT GEOTEXTILE FILTER BAGS

SCALE

DATE: SEPT. 22, 2021

JOB: 20003119

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ARBOR

CITY OF ANN ARBOR

WASHTENAW COUNTY, MI

1) GEOTEVILE FILTER BAGS RENOVE SEDMENT FROM DEWATERNO DISCHARGE AND ARE PUMPED INTO A FILTER BAG CHOSEN FOR THE PREDOMINANT SEDMENT SIZE. FILTER BAGS ARE MANUFACTURED PRODUCTS MADE TYPICALLY FROM WOVEN MONOTON THE PRESONGE GOOGED ON HALF-PULL OF SEDMENT.
POLYMEDATE FILTER CHOSEN MATERIAL CANSIGNER HIGH FOR HAVE LIMITED ABOUT TO TREAT FINE-GRANT PRANCED SEDMENT. GRANTY DEADLE PRESONGE ON HALF-PULL OF SEDMENT.
POCETAILE FILTER BAGS ARE CHOSENDER HIGH FOR PRODUCTS, WHICH HAVE LIMITED ABOUT TO TREAT FINE-GRANTED FILTER BAGS SHOULD APPLY THE FOLLOWING: 1) THE FILTER BAGS SHOULD BE PLACED OUTSIDE OF A VECETAILED FILTER BAGS SHOULD THE CONSIDER OF A VECETAILED FILTER BAGS SHOULD THE CONSIDER OF A VECETAILED FILTER BAGS SHOULD THE FOLLOWING: 1) THE FILTER BAGS SHOULD SEDMENT OF THE RESONANT TO THE FILTER BAGS SHOULD SEDMENT OF THE RESONANT TO THE FILTER BAGS SHOULD SEDMENT OF THE RESONANT TO THE BAG OVERLAIN A FLAT BED OFF AGREEGATE WILL MAXIMATE THE FLOOR MAY OFF A PREFER OF THE BAG OFFICEN THE GOOD SHOULD SEDMENT OF THE GOOD SHOULD SEDMENT OF

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SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES MUST BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME HALF FULL. SPARE REPLACEMENT BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT THOSE THAT HAVE FAILED AND/OR ARE HALF FULL. BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREAS AND DISCHARGE ONTO STABLE, EROSION RESISTANT SURFACES/AREAS. BAGS SHALL NOT BE PLACED ONTO SLOPES GREATER THAN 5%. MP DISCHARGE HOSE SHALL BE INSERTED INTO THE FILTER BAG IN THE MANNER SPECIFED BY THE MANUFACTURER AND SECURELY CLAMPED.

THE MONITORING FOR TURBIDITY OF THE FILTER BAG DISCHARGE SHOULD OCCUR ON A REGULAR BASIS. IF TURBID WATER IS OBSERVED PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM HAS BEEN RESOLVED. BAGS SHALL BE REMOVED MANDEN COMPLETION OF PUMPING ACTIVITIES. A P

MAINTENANCE:

THE DEWATERING SITE SHOULD BE INSPECTED SEVERAL TIMES DALY TO ENSURE THAT THE PUMPING PROCEDURE IS ADEQUATELY CONTROLLING THE EXCESS WATER, TO ENSURE THE FILTER BAG IS NOT CLOGGED, AND THAT THE VEGETATIVE FILTER, WHERE USED, IS STILL RETAINING SEDIMENT. IF THE FILTER BAG BECOMES CLOGGED, REPLACE WITH A NEW ONE. i



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SEEDING SPECIFICATION

GENERO CAN BE USED FOR TEMPORARY OR PERMANENT STABULZATION, DISTURBED AREAS OF THE SITE WHERE SEEDING CAN BE USED FOR TEMPORARY STEDED AND WAITERED. AREAS OWNERLY THAN GASHOW HAS BEEN CONDITIONED HAS BEEN COMPLETED SHALL RAINED WHERE THE REMAINING THE CONDITIONED HAS BEEN COMPLETED WHITH REPRESENTED WHEN THE CONDITIONED OF GRADING ACTIVITIES (WESTER PERMAITHED AND MUST BE COMPLETED WITHIN FIVE (S) DAYS. TEMPORARY NAD PERMANENT SEED WITHIN FIVE (S) DAYS. TEMPORARY NAD PERMANENT SEED WITHIN FIVE (S) DAYS. THE APPLICATION OF THE PERMANENT SEED WESTER AND SECONDED SERVICED DURING THE PERMANENT SEED WAS REALL ASSO BE APPLIED DURING THE APPLIED THE APPLIED THE APPLIED DURING THE APPLIED T

IMMEDIATELY AFTER SEEDING, MULCH ALL SEEDED AREAS WITH UNINEATHERED SMALL GRAIN STRAW OR HAY UNIFORMLY AT THE RATE OF 1-1-1/2 TONS TO 2 TONS PER AREA OF 10-10 ONGO SQUARE FEET, ANCHOR MULCH WITH DISC-TIFE ANCHORING TOOL OR OTHER MARINS APPROVED BY THE LOCAL REGULATORY AGENCY.

SEE SEED MIXES IN TEMPORARY & PERMANENT SEED CHARTS.

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SEED IN ACCORDANCE SLOPES FLATTER THAN 3:1 (NOT INCLUDING BASINS)
APPLY 174-77 CAMBERAL ORGANIC FERTILIZER AT A RATE OF 20 LBS PER 1000 SQ/FT.
HE FOLLOWIS SCHEDULE: SEED VARIETY IEMPORARY SEEDINGPLANTING DATES APPLICATION RATE

(SEE CHART BELOW) (SEE CHART BELOW) SEED VARIETY PERMANENT SEEDING PLANTING DATES APPLICATION RATE PREFEABLE EARLY SPRING 80 LBS PER ACRE OR EARLY FALL IMMEDIATELY FOLLOWING 60 LBS PER ACRE LAST DISTURBANCE OR WITHIN 14 DAYS

(SEE CHART BELOW) (SEE CHART BELOW) SLOPES 3:1 OR GREATER (NOT INCLUDING BASINS) APPLY 17-17-07 COMMERCIAL ORGANIC FERTILIZER AT A RATE OF 20 LBS PER 1000 SQ/FT AND SEED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE: SEED VARIETY SEED VARIETY TEMPORARY SEEDING PLANTING DATES PAPILGATION RATE IMMEDIATLY POLLOWING GO LBS PER ACRE LAST DISTURBANCE OR WITHIN 5 DAYS PERMANENT SEEDING PLANTING DATES APPLICATION RATE PREFERABLE EARLY SPRING 80 LBS PER ACRE OR EARLY FALL

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(BROOKLAWN, BOUTIQUE, GROME, , H92-203 KENTUCKY BLUEGRASS) 70% TRUE BLUE KENTUCKY PERMANENT SEED SEED 80 LBS PER ACRE MIX: 22% CREEPING RED FESCUE
11% TIMOTHY
1.0% INERT MATTER
1.0% OTHER CROP
0.01% WEED SEED IEMPORARY SEED SEED: 60 LBS PER ACRE MIX: 40% SEED OATS 25% KENTUCKY 31 TALL FESCUE

D PINES OF ANN EGLE IMPACT PLANS

SESC NOTES

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SEED BED PREPARATION (PERMANENT SEEDING)
SIGRACE, WHEN CONTROL MEASURES SHALL BE IN PLACE. AREA TO BE SEEDED SHALL BE RIPPED AND
SPERAD WITH AVAILABLE TOPSOIL. 1074, SEEDBED PREPARED DEPTH SHOULD BE AT LEAST 4 INCHES. LOOSE
ROCKS, ROOTS AND ONTER OBSTRUCTIONS NEED TO BE REMOVED FROM THE SURFACE SO THAT THEY WILL NOT
INTERFERE WITH THE ESTABLISHINIT AND MANTENANCE OF VEGETATION. SURFACE FOR FINAL SEEDBED
PREPARATION SHOULD BE AT FINISH GRADE AND BE REASONABLY SMOOTH AND UNIFORM. 30% PERENNIAL RYE GRASS (MANHATTAN 4, CHARGER, CITATION 4, AND PIZZAZZ PERENNIAL RYE GRASS)

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IF NO SOL ITEST IS TAKEN, FERTILIZER AND LIME SHOULD BE USED ACCORDING TO SEEDING SPECIFICATIONS. IF SOLL TEST IS TAKEN, APPLY FERTILIZER AND LIME ACCORDING TO SOIL TEST REPORT. FERTILIZER AND LIME SEEDING DIAGNARY AND MIXED WITH THE SOIL DURING SEEDING DIREAMAN MIXED WITH THE SOIL DURING SEEDING MIXED SEEDING. WIGHTLE, SEED SPECIES AND PERCENTAGE OF PURITY AND GERMINATION MUST BE OFFICIES AND FERCENTAGE OF PURITY AND GERMINATION MUST BE OFFICIES AND FERCENTAGE.

SEEDING SHALL BE ACCOMPLISHED IN TWO DIRECTIONS AND AT RIGHT ANGLES TO EACH OTHER. LAWN AREAS SHALL BE SEEDED AT THE RAIL MOLOTED ON THE DRAMINGS BY SOWING EVENLY WITH AN APPROVED MECHANICAL CULTI-AACKET SEEDER TO COVER THE SEED AND FORM THE SEEDING RAIL ESTEDING SEEDER SHOWED THE SEEDING RAIL ESTEDING RAIL ESTEDING RAIL SHOWED WITH FIXIBLE RAILS THE THE DIRECT SHALL BE LIGHTLY RANED WITH FIXIBLE RAKES AND RROLLED HATE ATTENDED AREAS TO BE SHALL BE LIGHTLY RAKED WITH FIXIBLE RAKES AND RROLLED AREAS FOR BE ALLEST ROLLES. ATTENDED AREAS SHOWED AREAS TO BE MULCHED ACCORDING TO SPECIFICATION. IE HUDRO-SEED OPERATION IS LUSTD, SEEDING RAIL SHALL BE FIVE GIST MARES HE DRAILS RELIGIOUS DEED AREAS TO BE MULCHED ACCORDING TO SPECIFICATION.

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DATE: SEPT. 22, 2021

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IF SEEDING CAN NOT BE ACCOMPLISHED DUE TO SEASONAL CONSTRAINTS, APPLY STRAW MULCH AND TACKHERR TO ALL SLOPES AND DISTURBED AREAS UNITH, PERAMENTS TSEEDING SOUR TO SEASON, MAINTENANCE SHALL OCCUR AND CONTINUE INTO THE FOLLOWING GROWING SEASON OR UNITL A UNITED STRAND OF THE SPECIFED PERAMENT GRASSES HAVE BEEN ESTABLISHED AND THE SITE HAS REACHED 90% STABLISHED, PERAMENT AND TEMPORARY SEEDING SHALL BE ACCOMPLISHED THROUGHOUT THE CONSTRUCTION PROCESS.

NISPECT SELDO. WESPECT SELDO. AREAS FREQUENTLY. IF SEEDED AREAS FALL TO GERMIANTE, OR TO PROVIDE ADEQUATE GROUND COVERAGE, THE AREA SHALL BE RE-SEEDED UNTIL FINAL STABLIZATION IS ACHIEVED.

SENERAL EROSION AND SEDIMENT CONTROL NOTES:

1. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE PLANS. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BERNATED AND CONTROLS AND MANAGEMENT PRACTICES. GAST FORWARD AND CONTROLS. SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE. AS APPLICABLE. CONTRACTOR SHALL MULLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING ARROY OR OWNER.

4. CONTRACTOR SHALL MULLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING ARROY OR OWNER.

5. CONTRACTOR SHALL MUNIMEZ CLEANING. DISCIPIENT PRACTICES, AS DIRECTED BY THE GENERAL PERMIT.

6. ALL WASH WATER (CONCRETE TRUCKS, WHICH CELEANING, EDICALM OR AS GENERAL BE DETAMED. AND PROPERTY TREATED OR DISPOSED.

7. ALL BONDED AREA SHALL BE CONTROLLED. THE USE OF MOTOR CLEANING, EDICALM AND PROPERTY TREATED OR DISPOSED.

8. ALL MULLO PROPERTY OR AND AND TREATED SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE CONTROLLED. THE CAND OF CLEANING, EDICALMANTED BENCHMANTED DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE CONTROLLED. THE CAND OF CLEANING, EDICALMANTED DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE CONTROLLED. THE CAND OF CLEANING, EDICALMANTED DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE CONTROLLED. THE CAND OF CLEANING, EDICALMANTED DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE CONTROLLED. THE CAND OF CLEATING SHAPPING. THE CAND OF CLEATING SHALL BE CONTROLLED. THE CONTROLLED OF THE CAND OF CLEATING SHAPPING. THE CAND OF CLEATING SHALL BE ADMINISTRY OF THE CAND OF CLEATING SHAPPING. THE WORK AREA SHALL BE PROMITTED IN ACCORDANCE WITH GENERAL PRACTICES. STROCKHLE AND BORROW ARE AS SHALL BE PROMITTED ON THE STIE MAD PROBENT PRACTICES. STROCKHLE AND BORROW ARE AS SHALL BE PROMITTED ON THE STIE MAD PROBENT PRACTICES. STROCKHLE AND BORROW ARE A CONTROLLED. STRUCK AND ASSOCIATION SHALL BE PREMITTED. THE STRUCK OF CHARLES AND PROBES. STRUCK AND ASSOCIATION AND STRUCK AND AND ASSOCIATION SHALL BE PREMITTED ON THE STIE MAD PROBEMENT AND STRUCKED SHALL BE CONTROLLED. STRUCK AND ASSOCIATION PROBES. STR

FOR SOIL EROSION CONTROL (FOR EACH SITE) SEQUENCE OF CONSTRUCTION

START	END	*SCHEDULE TO BE FILLED OUT BY CONTRACTOR.	
		1. PULL ALL NECESSARY PERMITS & LICENSES.	II.
		2. INSTALL SILT AND PROTECTIVE FENCING.	ESEDING CAN NOT BE ACCOMPLISHED DUE TO SEASONAL CONSTRAIN'S, ABPLY STRAW MULCH AND SEASONAL CONSTREEN SO OFES AND DISTURBED AREAS IN THE
		3. CLEAR AND GRUB WORK AREA	PERMANENT SEEDING IS ALLOWED. IN THE EVENT SEEDING OCCURS OUT OF SEASON, MAINTENANCE SHALL OCCUR ON CONTAININ INTO THE FOIL DWING CROWING SEASON.
		4. COMPLETELY REMOVE EXISTING STRUCTURE & FOUNDATION.	FOR ALL AREAS LEFT UNSTABILIZED DUE TO SEASONAL CONSTRAINED SHALL BE ACHIEVED RY APRIL 15TH
		5. STRIP AND STOCKPILE TOPSOIL.	
		6. EXCAVATE FOR PROPOSE STRUCTURE, STOCKPILE SPOILS AND GRADE ACCORDINGLY	
		7. BEGIN FOUNDATION CONSTRUCTION OF NEW STRUCTURE.	
		8. REPLACE TOPSOIL, SEED AND STABILIZE DISTURBED AREAS.	
		9. REMOVE SILT FENCE, REPAIR DISTURBED AREAS AS NECESSARY.	

PERMANENT STABILIZATION

AREA REQUIRING PERMANENT STABILIZATION ANY AREAS THAT WILL LIE DORMANT FOR ONE YEAR OR MORE

ANY OTHER AREAS AT FINAL GRADE ANY AREAS WITHIN 50 FEET OF STREAM AND AT FINAL GRADE

10. COORDINATE WITH PERMITTING AGENCIES FOR CLOSEOUT INSPECTION

TEMPORARY STABILIZATION

AREA REQUIRING TEMPORARY STABILIZATION TIME FRAME TO APPLY EROSION CONTROLS	IMMEDIATELY FOLLOWING (2 DAYS MAX) THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS	DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITY IS SCHEDULED TO BE INACTIVE FOR MORE THAN 14 DAYS	SIGNREED RAEKS OF THE STIE WHERE CONSTRUCTION ACTIVITY IS SCHEDULED TO BE INACTIVE FOR MORE THAN 14 DAYS SHALL EF TEMPORARLY SEEDED AND WAITERED OR SYABILIZED IN ANOTHER APPROPRIATE WAY AS SOON AS POSSIBLE.	
AREA REQUIRING TEMPORARY STABILIZATION	ANY DISTURBED AREAS WITHIN 50 FEET OF A STREAM AND NOT AT FINAL GRADE	FOR ALL CONSTRUCTION ACTIVITES ANY DISTURBED AREAS THAT WILL BE DREMANT FOR WORE THAN 14 DAYS BUT LESS THAN ONE TEAR, AND NOT WITHIN 50 FEET OF A STREAM		
TIME FRAME TO APPLY EROSION CONTROLS	WITHIN FIVE (5) CALENDAR DAYS OF THE MOST RECENT DISTURBANCE	WITHIN 2 CALENDAR DAYS OF REACHING FINAL GRADE	WITHIN FIVE (5) CALENDAR DAYS OF REACHING FINAL GRADE WITHIN THAT AREA	

WHER VIECTATIVE STABLIZATION TECHNOLICES MAY CAUGE STRUCTURAL INSTRIBITY OF REF DIFFERNE THIS CAN INDITIONAL ALITERATIVE STABLIZATION TECHNIQUES MUST BE EMPLOYED. THIS CAN INCLUDE AGRECATE COVER. ENSIGNO CONTROL BLANKETS, THE CHAIR MAYES, OR OTHER STABLIZATION PRACTICE.

WINTER

PRIOR TO THE ONSET OF WEATHER (NOVEMBER 1)

BE IDLE

DISTURBED AREAS THAT WILL OVER WINTER

TWELL
4200 www.weil-group.c
311 NORTH MAIN
ANN ARBOR, MI 48104
734.994.4000 866.850.4200

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