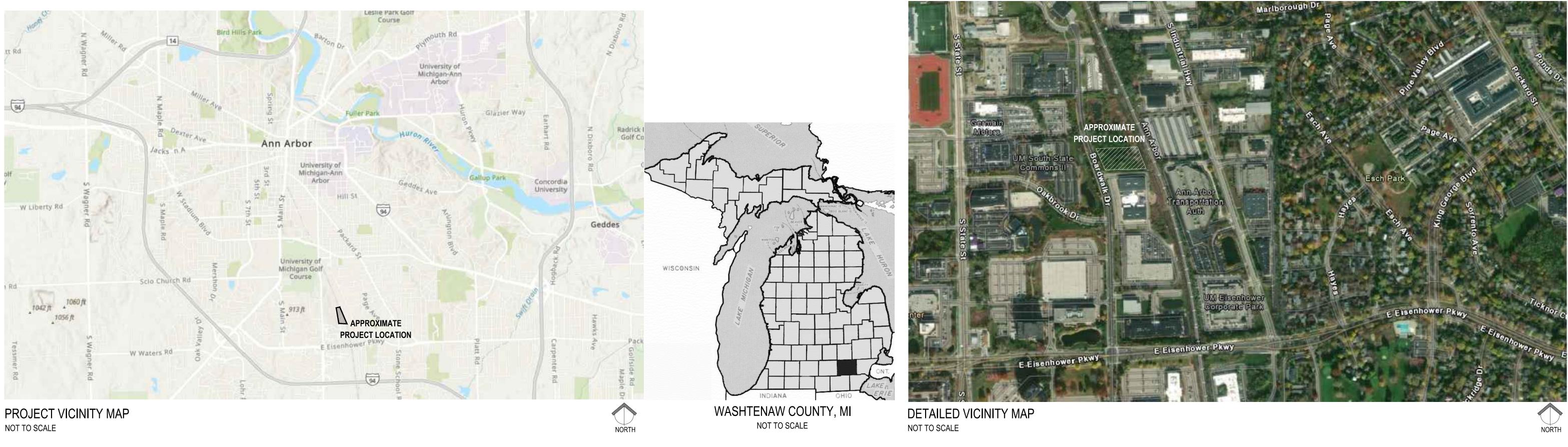


PREPARED BY:



Environmental Consulting & Technology, Inc. 2200 Commonwealth Boulevard, Suite 300 Ann Arbor, Michigan 48105 734.769.3004 www.ectinc.com

APPLICANT: ANN ARBOR PUBLIC SCHOOLS 2555 SOUTH STATE STREET ANN ARBOR, MICHIGAN 48104



ANN ARBOR PUBLIC SCHOOLS PRESCHOOL PLAYGROUND IMPROVEMENTS

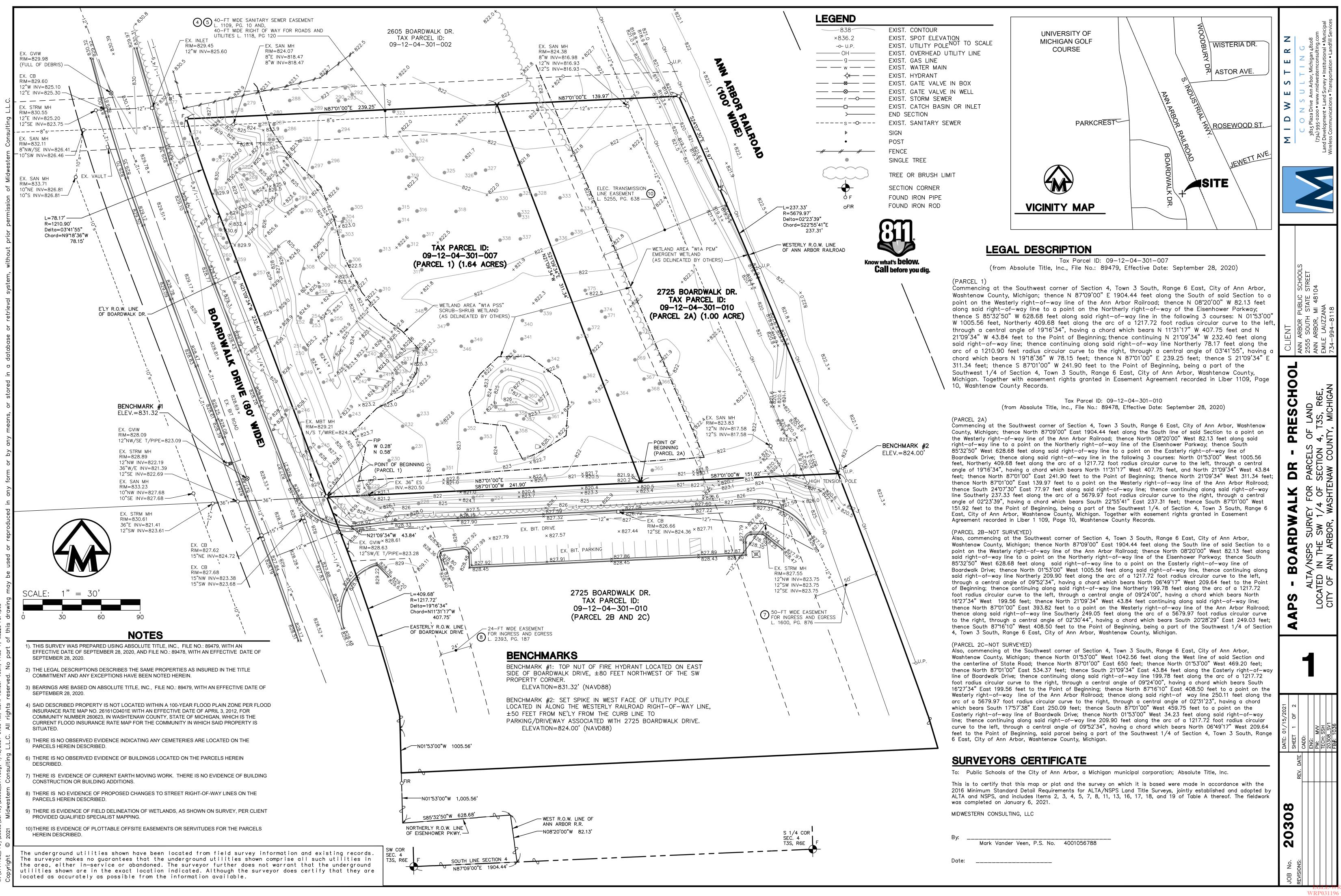
ANN ARBOR, MICHIGAN

EGLE PERMIT APPLICATION DRAWINGS **OCTOBER**, 2021

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- 1. COVER
- 2. SURVEY 1
- 3. SURVEY 2
- 4. SITE PREPARATION & SESC
- 5. GRADING PLAN
- 6. SITE PLAN AND OVERALL IMPACTS
- 7. LAYOUT PLAN
- 8. DETAILS
- 9. DETAILS
- 10. DETAILS
- 11. WETLAND IMPACT AND CULVERT CROSS SECTIONS

EGLE-WRD WRP031196 v1.0 Approved Issued On:10/19/202 Expires On:10/19/202



WRP031196 v1.0 Approved Issued On:10/19/202

Expires On:10/19/2

		COMMON NAME			SCORE	LM	INV	321	14"	Cottonwood	Populus deltoides	\Box
224 225	5'' 10''	Black Cherry White Mulberry	Prunus serotina Morus alba	twin			Х	322 323	12'' 9''	Cottonwood American Elm	Populus deltoides Ulmus americana	╞
226	16''	White Mulberry	Morus alba				X	324	7"	American Elm	Ulmus americana	t
227	12"	Honey Locust	Gleditsia triacanthos			V		325 326	6"	Wild Plum	Prunus americana	╞
228 229	22'' 29''	American Elm Cottonwood	Ulmus americana Populus deltoides			X X		326	17'' 6''	Black Willow Wild Plum	Salix nigra Prunus americana	┢
230	10''	Wild Plum	Prunus americana					328	7"	Wild Plum	Prunus americana	
231	7"	Wild Plum	Prunus americana	twin				329 330	6" 8"	Wild Plum	Prunus americana	╞
232 233	6'' 9''	Wild Plum Wild Plum	Prunus americana Prunus americana	twin				330	8 9"	Box Elder Box Elder	Acer negundo Acer negundo	+
234	11"	Common Apple	Malus pumila					332	14"	Box Elder	Acer negundo	t
235	7"	Wild Plum	Prunus americana					333	6"	Wild Plum	Prunus americana	L
236 237	5" 12"	Wild Plum Siberian Elm	Prunus americana Ulmus pumila	twin			Х	334 335	8" 7"	Wild Plum Wild Plum	Prunus americana Prunus americana	┝
238	7"	Wild Plum	Prunus americana					336	6"	Wild Plum	Prunus americana	┢
239	7"	Wild Plum	Prunus americana					337	7"	Wild Plum	Prunus americana	L
240 241	8'' 7''	Wild Plum Wild Plum	Prunus americana Prunus americana					338 339	9" 9"	Box Elder Wild Plum	Acer negundo Prunus americana	╞
241	6"	Wild Plum	Prunus americana					339	9"	Box Elder	Acer negundo	┢
243	14"	American Elm	Ulmus americana					341	7"	Box Elder	Acer negundo	
244	7"	American Elm	Ulmus americana	4 in				342	7"	Box Elder	Acer negundo	╞
245 246	13'' 8''	White Mulberry Black Walnut	Morus alba Juglans nigra	twin			Х	343 344	6" 6"	Wild Plum Box Elder	Prunus americana Acer negundo	┝
247	14"	Siberian Elm	Ulmus pumila	twin			Х	345	5"	Wild Plum	Prunus americana	┢
248	7"	Box Elder	Acer negundo					346	7"	Wild Plum	Prunus americana	L
249 250	8'' 6''	Wild Plum Wild Plum	Prunus americana Prunus americana					347 348	7"	Wild Plum Wild Plum	Prunus americana Prunus americana	╞
250	8"	Box Elder	Acer negundo					340	7"	Wild Plum	Prunus americana	┢
252	12"	Black Willow	Salix nigra					350	6"	Wild Plum	Prunus americana	t
253	22"	Cottonwood	Populus deltoides					351	7"	Wild Plum	Prunus americana	\downarrow
254 255	15'' 13''	Cottonwood American Elm	Populus deltoides Ulmus americana					352 353	7" 12"	Wild Plum American Elm	Prunus americana Ulmus americana	┝
256	6"	Wild Plum	Prunus americana					354	11"	Box Elder	Acer negundo	┢
257	9''	Siberian Elm	Ulmus pumila				Х	355	9"	Box Elder	Acer negundo	
258 259	8'' 9''	Black Walnut Black Walnut	Juglans nigra					356	15"	Cottonwood	Populus deltoides	╞
259	9 6''	Black Walnut	Juglans nigra Juglans nigra					357 358	14'' 13''	Cottonwood Cottonwood	Populus deltoides Populus deltoides	┝
261	7"	Siberian Elm	Ulmus pumila				Х	359	6"	Wild Plum	Prunus americana	┢
262	8"	Siberian Elm	Ulmus pumila				X	360	6"	Wild Plum	Prunus americana	L
263 264	8'' 9''	Siberian Elm Box Elder	Ulmus pumila Acer negundo				Х	361 362	8" 11"	Box Elder Box Elder	Acer negundo	+
265	11"	Black Cherry	Prunus serotina					362	8"	Box Elder	Acer negundo Acer negundo	┢
266	7"	Box Elder	Acer negundo					364	8"	Wild Plum	Prunus americana	\square
267	11"	Black Walnut	Juglans nigra					365	6"	Wild Plum	Prunus americana	L
268 269	7'' 6''	Box Elder Box Elder	Acer negundo Acer negundo					366 367	8" 6"	Box Elder Wild Plum	Acer negundo Prunus americana	╞
270	6"	Box Elder	Acer negundo	twin				368	6"	Wild Plum	Prunus americana	┢
271	7''	Box Elder	Acer negundo					369	29"	Silver Maple	Acer saccharinum	T
272 273	16'' 6''	Box Elder Black Walnut	Acer negundo					370	6"	Wild Plum	Prunus americana	+
273	7"	Black Walnut	Juglans nigra Juglans nigra					371 372	11"	Box Elder Box Elder	Acer negundo Acer negundo	┝
275	6"	Black Walnut	Juglans nigra					373	7"	Wild Plum	Prunus americana	┢
276	6"	Common Apple	Malus pumila					374	6"	Wild Plum	Prunus americana	L
277 278	7" 9"	White Oak Box Elder	Quercus alba Acer negundo					375	13"	Silver Maple	Acer saccharinum	
279	6"	Black Walnut	Juglans nigra									
280	6"	Box Elder	Acer negundo									
281 282	18'' 10''	Cottonwood Cottonwood	Populus deltoides Populus deltoides									
283	14"	Cottonwood	Populus deltoides									
284	6"	Cottonwood	Populus deltoides									
285	12"	Cottonwood	Populus deltoides									
286 287	17'' 20''	Cottonwood Cottonwood	Populus deltoides Populus deltoides									
288	18''	Cottonwood	Populus deltoides									
289	13"	Cottonwood	Populus deltoides									
290 291	11" 13"	Cottonwood Cottonwood	Populus deltoides Populus deltoides									
291	13	Cottonwood	Populus deltoides									
293	13''	Cottonwood	Populus deltoides									
294	10"	Cottonwood	Populus deltoides									
295 296	13'' 17''	Cottonwood Cottonwood	Populus deltoides Populus deltoides									
297	15''	Cottonwood	Populus deltoides									
298	9"	Cottonwood	Populus deltoides									
299 300	14" 7"	Cottonwood Cottonwood	Populus deltoides									
<u> </u>	17"	American Elm	Populus deltoides Ulmus americana									
302	6"	Wild Plum	Prunus americana									
303	6"	Wild Plum	Prunus americana	twin								
304 305	8" 10"	Wild Plum American Elm	Prunus americana Ulmus americana									
305	7"	Wild Plum	Prunus americana	triple								
307	7"	Wild Plum	Prunus americana	twin								
308	6" 6"	Box Elder	Acer negundo									
309 310	6'' 7''	Box Elder Wild Plum	Acer negundo Prunus americana									
311	6"	Wild Plum	Prunus americana									
312	6"	Wild Plum	Prunus americana									
313	6" 6"	Wild Plum	Prunus americana									
314 315	6" 6"	Wild Plum Wild Plum	Prunus americana Prunus americana									
316	10"	Wild Plum	Prunus americana									
317	11"	Box Elder	Acer negundo	twin								
318	6" 7"	Wild Plum Wild Plum	Prunus americana	twin		\mid]					
319	1 4.11		Prunus americana	triple	1	· 1						

The underground utilities shown have been located from field survey information and existing records. The surveyor makes no guarantees that the underground utilities shown comprise all such utilities in the area, either in-service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated. Although the surveyor does certify that they are located as accurately as possible from the information available.

id_Proj∕20308 † © 2021

EXCEPTIONS

EXCEPTIONS (Tax Parcel ID: 09—12—04—301—007) (from Absolute Title, Inc., File No.: 89479, Effective Date: September 28, 2020)

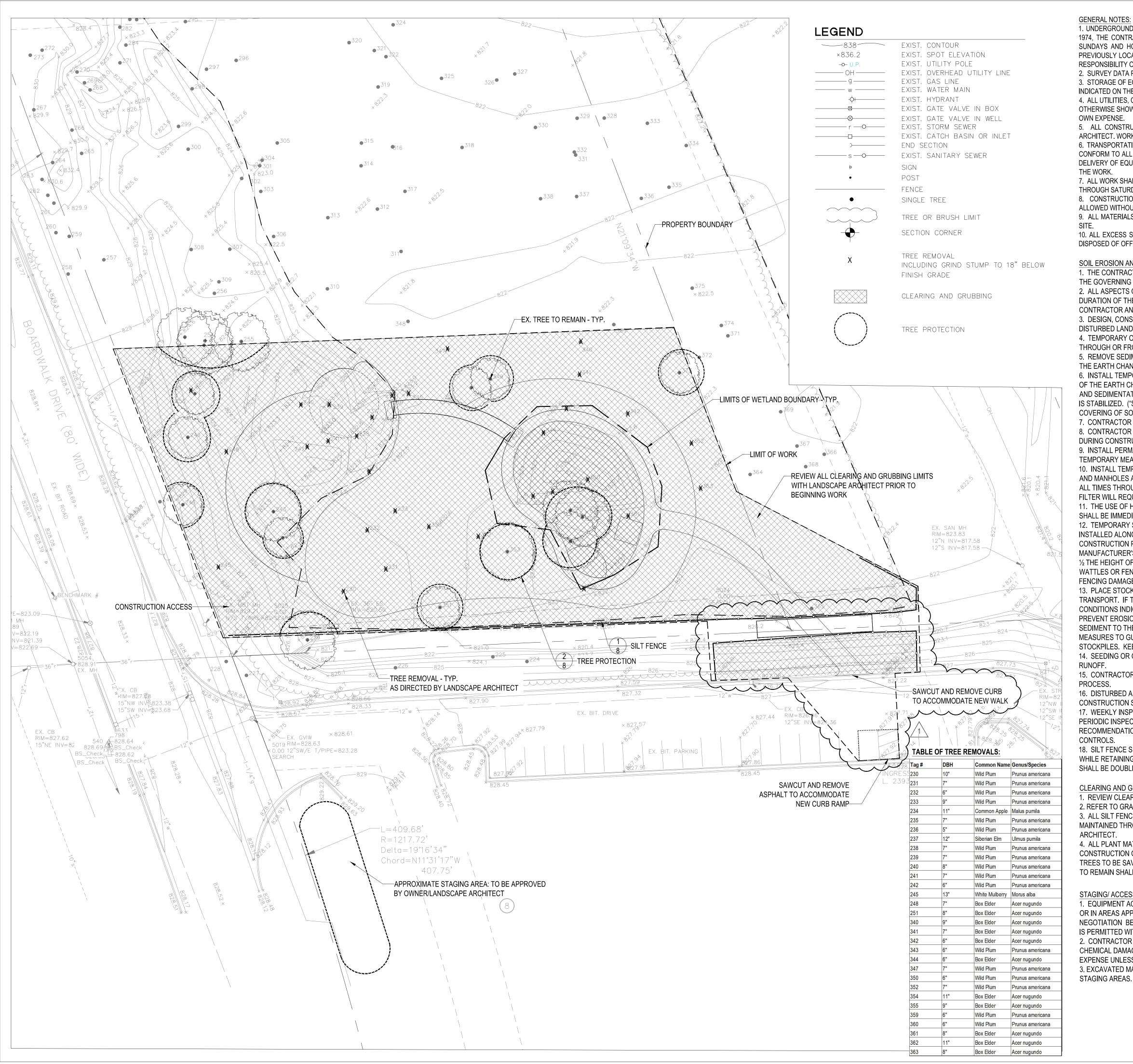
- 4. Terms and conditions of Easement Agreement, as recorded in Liber 1109, Page 10, Washtenaw County Records. (PLOTTED)
- 5. Right of way for roads and utilities, as recorded in Liber 1118, Page 120, Washtenaw County Records. (PLOTTED)
- 6. Building and use restrictions contained in instrument recorded in Liber 2348, Page 150, Washtenaw County Records, but omitting any such covenant or restriction based on race, color, religion, sex, handicap, familial status, or national origin. (NOT PLOTTABLE)

EXCEPTIONS Tax Parcel ID: 09—12—04—301—010 (from Absolute Title, Inc., File No.: 89478, Effective Date: September 28, 2020)

- 4. Terms and conditions of Easement Agreement, as recorded in Liber 1109, Page 10, Washtenaw County Records. (PLOTTED)
- 5. Right of way for roads and utilities, as recorded in Liber 1118, Page 120, Washtenaw County Records. (PLOTTED)
- 6. Right of Way in favor of The Detroit Edison Company, as recorded in Liber 1578, Page 818, and Liber 1689, Page 931 , Washtenaw County Records. (NOT PLOTTED, DOES NOT AFFECT PARCEL 2B)
- Easement Agreement in favor of the City of Ann Arbor, as recorded in Liber 1600, Pages 876 and 878, Washtenaw County Records. (PLOTTED, DOES NOT AFFECT PARCEL 2B)
- 8. Reciprocal Easement Agreement as recorded in Liber 2348, Page 156, amended in Liber 2393, Page 187, and further disclosed by instruments recorded in Liber 2556, Page 523, and Liber 3131, Page 789, Washtenaw County Records. (PLOTTED, DOES NOT EFFECT PARCEL 2B)
- 9. Building and use restrictions contained in instrument recorded in Liber 2348, Page 150, Washtenaw County Records, but omitting any such covenant or restriction based on race, color, religion, sex, handicap, familial status or national origin. (NOT PLOTTABLE)
- 10. Permanent Electric Transmission Line Easement Agreement, as recorded in Liber 5255, Page 638, Washtenaw County Records. (PLOTTED)
- 11. Declaration of Taking as recorded in Liber 5284, Page 74, Washtenaw County Records, and Stipulated Order recorded in Liber 5295, Page 954, Washtenaw County Records. (NOT PLOTTED, DOES NOT EFFECT PARCEL 2B)

MIDWESTERN	CONSULTING	3815 Plaza Drive Ann Arbor, Michigan 48108	(734) 995-0200 • www.midwesternconsulting.com	Land Development • Land Survey • Institutional • Municipal	Wireless Communications • Transportation • Landfill Services	
CLIENT	ANN ARBOR PUBLIC SCHOOLS	2555 SOUTH STATE STREET	ANN ARBOR, MI 48104	EMILE LAUZZANA	77/ 00/ 0110	00-+000000
AAPS - BOARDWALK DR - PRESCHOOL		ALTA/NSPS SURVEY FOR PARCELS OF LAND	I DEATED IN THE SW 1 / A DE SECTION A TRO DEF	LUCATED IN THE OW I/ + OF SECTION +, 100, NOC,	CITY OF ANN ARBOR WASHTFNAW COUNTY MICHIGAN	
		2				
DATE: 01/15/2021 SHEET 2 OF 2		ENG:	PM: MVV	TECH: SSH	20308_SV1	FB#: 1036
JOB No. 20308	REVISIONS:					

WRP031196 v1.0 Approved Issued On:10/19/2021 Expires On:10/19/2026



1. UNDERGROUND UTILITIES: FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, 1974, THE CONTRACTOR SHALL DIAL 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

2. SURVEY DATA PRESENTED IN THESE DRAWINGS WAS PROVIDED BY MIDWESTERN CONSULTING. 3. STORAGE OF EQUIPMENT AND CONSTRUCTION MATERIALS SHALL BE RESTRICTED TO DESIGNATED STAGING AREAS AS INDICATED ON THE PLANS, UNLESS OTHERWISE APPROVED BY LANDSCAPE ARCHITECT.

4. ALL UTILITIES, CULVERTS AND BENCHMARKS SHALL BE PRESERVED DURING CONSTRUCTION ACTIVITIES UNLESS OTHERWISE SHOWN ON THE DRAWINGS. CONTRACTOR TO REPLACE DAMAGED UTILITIES, CULVERTS OR BENCHMARKS AT

5. ALL CONSTRUCTION ACTIVITIES SHALL BE LIMITED AS INDICATED ON THE PLANS OR AS INDICATED BY LANDSCAPE ARCHITECT, WORK BEYOND THESE LIMITS SHALL BE AS DIRECTED BY LANDSCAPE ARCHITECT

6. TRANSPORTATION OF EQUIPMENT AND MATERIALS TO/FROM THE SITE ON STATE HIGHWAYS AND TRUNK LINES SHALL CONFORM TO ALL LOCAL AND STATE TRAFFIC LAWS. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PERTAINING TO DELIVERY OF EQUIPMENT AND MATERIALS TO/FROM THE SITE. COSTS OF OBTAINING NECESSARY PERMITS IS INCIDENTAL TO

7. ALL WORK SHALL BE COMPLETED BETWEEN THE HOURS OF 7:00AM AND 7:00PM. ALL WORK SHALL BE COMPLETED MONDAY THROUGH SATURDAY.

8. CONSTRUCTION ACCESS TO THE SITES FOR ALL ACTIVITIES WILL BE AS DIRECTED BY OWNER. NO OTHER ACCESS IS ALLOWED WITHOUT WRITTEN PERMISSION FROM THE OWNER. 9. ALL MATERIALS REMOVED, EXCEPT WHERE OTHERWISE INDICATED ON THE PLANS, SHALL BE LEGALLY DISPOSED OF OFF

10. ALL EXCESS SOIL AND FILL GENERATED DURING REQUIRED EXCAVATION AS SHOWN ON DRAWINGS SHALL BE LEGALLY DISPOSED OF OFF-SITE.

SOIL EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A SOIL EROSION AND SEDIMENT CONTROL PERMIT FROM THE GOVERNING ENTITY.

2. ALL ASPECTS OF THE SOIL EROSION AND SEDIMENT CONTROL PERMIT SHALL BE ADHERED TO THROUGHOUT THE DURATION OF THE PROJECT. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED BY THE CONTRACTOR AND INSPECTED BY THE ENGINEER PRIOR TO THE BEGINNING OF EARTHWORK.

3. DESIGN, CONSTRUCT, AND COMPLETE THE EARTH CHANGE IN A MANNER THAT LIMITS THE EXPOSED AREA OF DISTURBED LAND FOR THE SHORTEST PERIOD OF TIME.

4. TEMPORARY OR PERMANENT CONTROL MEASURES SHALL BE DESIGNED AND INSTALLED TO CONVEY WATER AROUND, THROUGH OR FROM THE EARTH CHANGE AT A NON-EROSIVE VELOCITY.

5. REMOVE SEDIMENT CAUSED BY ACCELERATED SOIL EROSION FROM RUNOFF WATER BEFORE IT LEAVES THE SITE OF THE EARTH CHANGE.

6. INSTALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES BEFORE OR UPON COMMENCEMENT OF THE EARTH CHANGE ACTIVITY AND MAINTAIN THE MEASURES ON A DAILY BASIS. REMOVE TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AFTER PERMANENT SOIL EROSION MEASURES ARE IN PLACE AND THE AREA IS STABILIZED. ("STABILIZED" MEANS THE ESTABLISHMENT OF VEGETATION OR THE PROPER PLACEMENT, GRADING OR COVERING OF SOIL TO ENSURE ITS RESISTANCE TO SOIL EROSION, SLIDING, OR OTHER EARTH MOVEMENT.) 7. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SITE DRAINAGE

8. CONTRACTOR IS RESPONSIBLE TO PROTECT ADJACENT WATER COURSES FROM THE DISCHARGE OF SEDIMENT DURING CONSTRUCTION.

9. INSTALL PERMANENT EROSION CONTROL MEASURES WITHIN 5 DAYS OF COMPLETING FINAL GRADING OR MAINTAIN TEMPORARY MEASURES UNTIL PERMANENT MEASURES ARE INSTALLED.

10. INSTALL TEMPORARY INLET FILTERS AT ALL ADJACENT AND DOWN-GRADIENT STORM WATER INLETS, CATCH BASINS AND MANHOLES AS NEEDED BASED ON SITE CONDITIONS. CATCH BASIN INLET FILTERS SHALL BE MAINTAINED CLEAN AT ALL TIMES THROUGHOUT THE CONSTRUCTION PERIOD. IF A FILTER HAS HOLES OR IS INUNDATED WITH SEDIMENT, THE FILTER WILL REQUIRE REPLACEMENT.

11. THE USE OF HEAVY EQUIPMENT WILL BE MINIMAL TO CONTROL SEDIMENT TRACKOUT. ANY MUD/SILT TRACKED SHALL BE IMMEDIATELY REMOVED

12. TEMPORARY SESC MEASURES SUCH AS STRAW WATTLES, COIR LOGS, STRAW BALES OR SILT FENCE SHALL BE INSTALLED ALONG SENSITIVE AREAS AS NECESSARY. MEASURES WILL BE MAINTAINED AT ALL TIMES THROUGHOUT THE CONSTRUCTION PERIOD. IF REPAIR OR REPLACEMENT IS NECESSARY, IT SHALL BE PERFORMED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. MAINTENANCE INCLUDES THE REMOVING OF BUILT-UP SEDIMENT ACCUMULATES TO ¹/₂ THE HEIGHT OF WATTLES OR SILT FENCE. CONTRACTOR SHALL REMOVE. REPLACE. RETRENCH. OR RE-BACKFILL WATTLES OR FENCE IF IT FAILS, ADDITIONALLY, THE CONTRACTOR SHALL REINSTALL ANY PORTION OF THE WATTLES OR FENCING DAMAGED BY CONSTRUCTION MACHINERY.

13. PLACE STOCKPILES AND OTHER SPOIL PILES AWAY FROM THE DRAINAGE SYSTEM TO MINIMIZE SEDIMENT TRANSPORT. IF THE STOCKPILE AND/OR SPOIL PILE MUST REMAIN ON-SITE OVERNIGHT. OR IF THE WEATHER CONDITIONS INDICATE THE CHANCE FOR PRECIPITATION, A) COVER THE PILE WITH WATER REPELLENT MATERIAL TO PREVENT EROSION AND/OR B) INSTALL SILT FENCING AROUND THE BASE OF THE PILE TO PREVENT TRANSPORT OF SEDIMENT TO THE STORM WATER SYSTEM, OR APPLY OTHER CONTROL METHODS APPROPRIATE TO THE SIDE. CONTROL MEASURES TO GUARD AGAINST WIND EROSION MUST ALSO BE EMPLOYED, SUCH AS WETTING OR COVERING THE

STOCKPILES. KEEP AS FEW STOCKPILES AS POSSIBLE DURING THE COURSE OF THE PROJECT. 14. SEEDING OR OTHER STABILIZATION SHALL BE REQUIRED IMMEDIATELY TO AREAS WHICH HAVE BEEN DAMAGED BY

15. CONTRACTOR SHALL MAINTAIN DUST CONTROL ON THE SITE THROUGHOUT THE DURATION OF THE CONSTRUCTION

16. DISTURBED AREAS WILL BE MINIMIZED THROUGH SEQUENCING OF PROJECTS, AS DESCRIBED IN THE DOCUMENT CONSTRUCTION SEQUENCE.

17. WEEKLY INSPECTIONS BY A SESC TRAINED CERTIFIED STORM WATER MANAGEMENT OPERATOR AS WELL AS PERIODIC INSPECTIONS WITHIN 24 HOURS OF ANY RAINFALL WILL BE REQUIRED. THESE INSPECTIONS MAY RESULT IN RECOMMENDATIONS FOR ROUTINE MAINTENANCE OF THE SOIL EROSION CONTROL DEVICES, AS WELL AS ADDITIONAL

18. SILT FENCE SHALL BE 3' HIGH PRE-ASSEMBLED FILTER FENCE. FABRIC SHALL ALLOW WATER TO PASS THROUGH WHILE RETAINING SEDIMENT AND DEBRIS. STAKES SHALL BE HARDWOOD AND SHALL BE ON 8'4" CENTERS. FABRIC SHALL BE DOUBLE STAPLED TO TOP OF STAKE TO ENSURE DURABILITY.

CLEARING AND GRUBBING NOTES

1. REVIEW CLEARING LIMITS AND TREE REMOVALS WITH PROJECT LANDSCAPE ARCHITECT PRIOR TO BEGINNING WORK. 2. REFER TO GRADING PLAN AND SITE PLAN TO DETERMINE THE DEPTH OF EXCAVATION TO SUBGRADE. 3. ALL SILT FENCE AND PROTECTIVE FENCE SHALL BE INSTALLED PRIOR TO CLEARING OPERATIONS. ALL FENCING SHALL BE MAINTAINED THROUGHOUT DURATION OF PROJECT. FENCING SHALL BE REMOVED ONLY UPON APPROVAL BY LANDSCAPE

4. ALL PLANT MATERIAL NOT MARKED FOR REMOVAL SHALL BE DISTURBED AS LITTLE AS POSSIBLE DURING THE CLEARING AND CONSTRUCTION OPERATIONS. NO EXCAVATION SHALL BE DONE WITHIN THE DRIP LINE (LIMIT OF OVERHANGING BRANCHES) OF TREES TO BE SAVED, UNLESS SPECIFICALLY APPROVED BY THE LANDSCAOE ARCHITECT. THE LOWER BRANCHES OF ALL TREES TO REMAIN SHALL NOT BE REMOVED, OR DAMAGED BY CONSTRUCTION EQUIPMENT. AVOID COMPACTION OF ROOTS.

STAGING/ ACCESS NOTES:

1. EQUIPMENT ACCESS AND STAGING AND MATERIALS STORAGE CAN OCCUR WITHIN THE DESIGNATED STAGING AREAS OR IN AREAS APPROVED BY THE LANDSCAPE ARCHITECT. EXACT LOCATION OF STAGING AREAS TO BE DETERMINED BY NEGOTIATION BETWEEN CONTRACTOR AND OWNER. NO ADDITIONAL VEGETATION CLEARING FOR ACCESS OR STAGING IS PERMITTED WITHOUT APPROVAL OF THE ENGINEER AND OWNER.

2. CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION OVER EXISTING DRIVE TO PREVENT PHYSICAL DAMAGE OR CHEMICAL DAMAGE FROM LEAKING PETROLEUM PRODUCTS. REPAIR OF DAMAGED DRIVE SHALL BE AT CONTRACTOR'S EXPENSE UNLESS SPECIFICALLY ACCOUNTED FOR UNDER CONTRACTOR'S SITE RESTORATION LINE ITEM. 3. EXCAVATED MATERIAL THAT WILL BE LEFT ONSITE TO BE STAGED IN STAGING AREAS DURING CONTRACTOR USE OF



PRESCHOOL PLAYGROUND IMPROVEMENTS

CITY OF ANN ARBOR, MICHIGAN

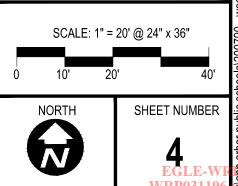
95% CDS./BID SET	04-29-
50% CONSTRUCTION DOCS.	04-09-
200790	
ECT PROJECT NUMBE	ĒR

100% CDS./SUBMITTAL - ΔADD 10-11-21

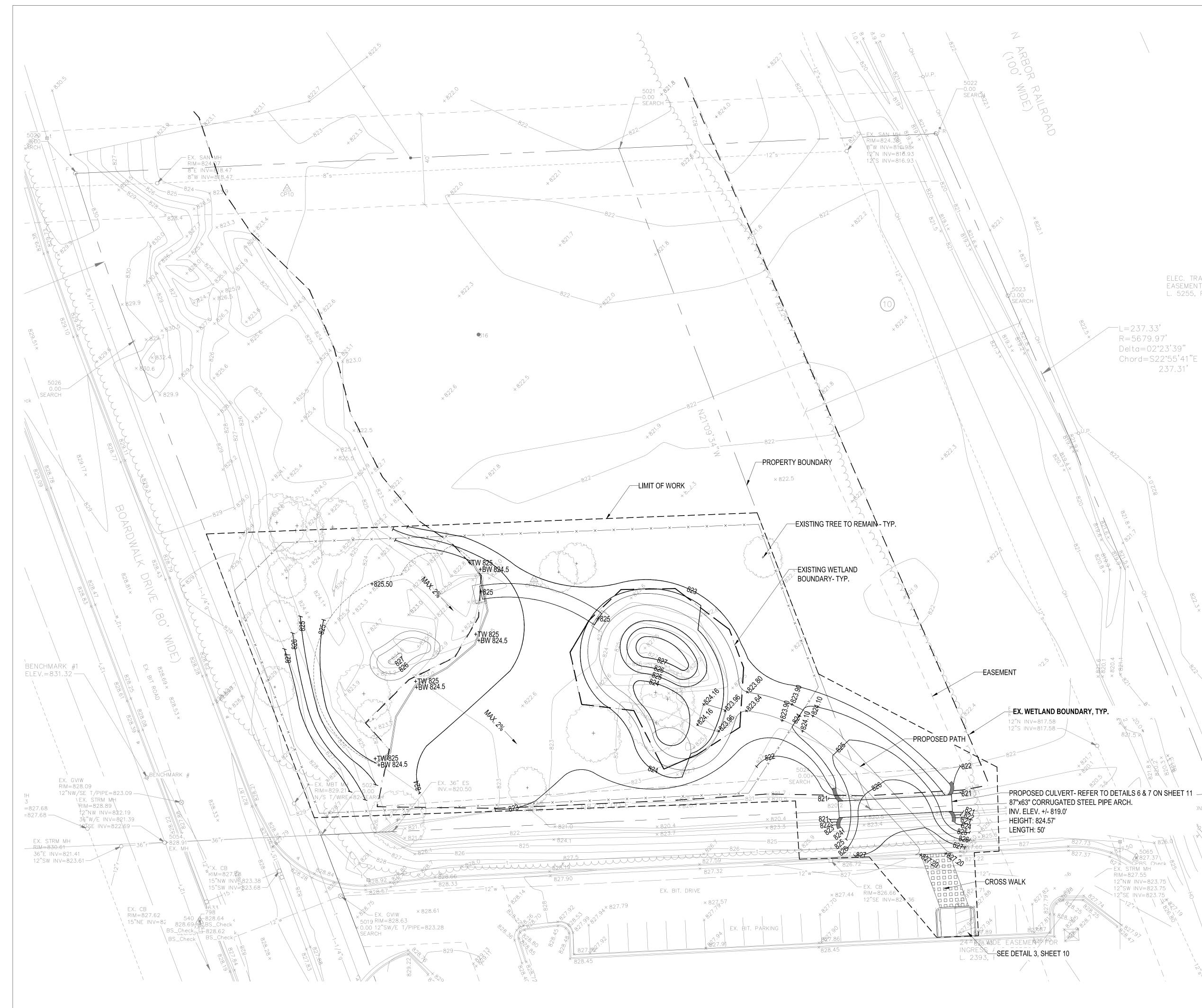
DESIGNED BY CHECKED BY

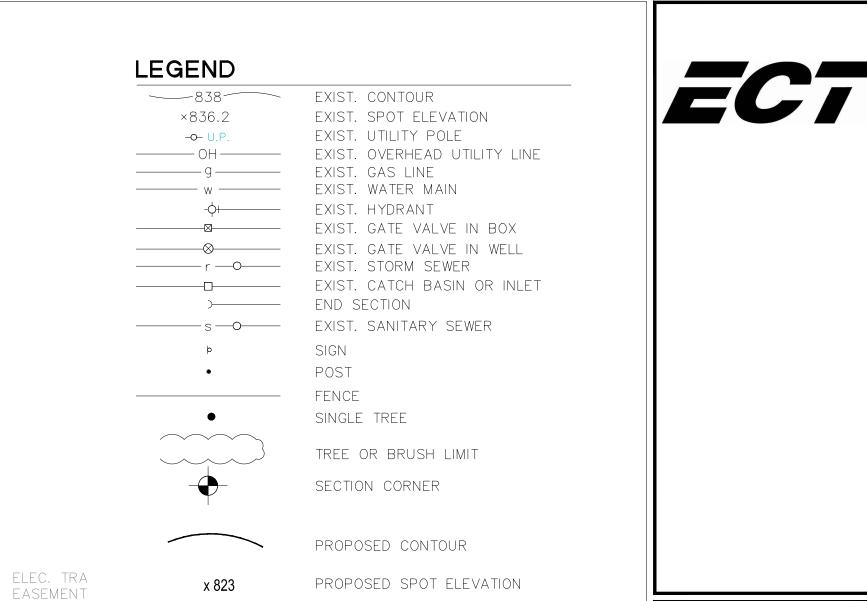
DRAWN BY APPROVED BY

SITE
PREPARATION &
SESC



3 WORKING DAYS **BEFORE YOU DIG** CALL MISS DIG 1-800-482-7171





EXISTING WETLAND BOUNDARY

L. 5255, F

∕──L=237.33' R=5679.97' Delta=02°23'39" Chord=S22°55'41" 237.31'

—x 826.

CPRS Chec

E INV=823.75

GRADING NOTES

1. MIN. 4" OF TOPSOIL IN ALL PROPOSED TURF SEEDING AREA -REFER TO SITE PLAN ON SHEET 6. 2. CONTRACTOR SHALL ENSURE ALL TOPSOIL IS INCORPORATED

INTO THE EXISTING SOIL, AND THAT FINAL GRADES ARE MET. 3. TOPSOIL SHALL BE CLEAN, FRIABLE, FREE OF DEBRIS, IMPORTED FROM OFF-SITE AND APPROVED BY LANDSCAPE ARCHITECT. 4. CONTRACTOR SHALL ENSURE 12" ENGINEERED WOOD FIBER MULCH IS INSTALLED IN AREAS AT FINAL COMPACTION AND AS INDICATED ON SITE PLAN, REFER TO SHEET 6, AND THAT FINAL GRADES ARE MET.

5. CONTRACTOR TO ENSURE MIN. 1.5%, MAX. 2% CROSS SLOPE ON LIMESTONE FINES PATH.



PRESCHOOL PLAYGROUND **IMPROVEMENTS**

CITY OF ANN ARBOR, MICHIGAN

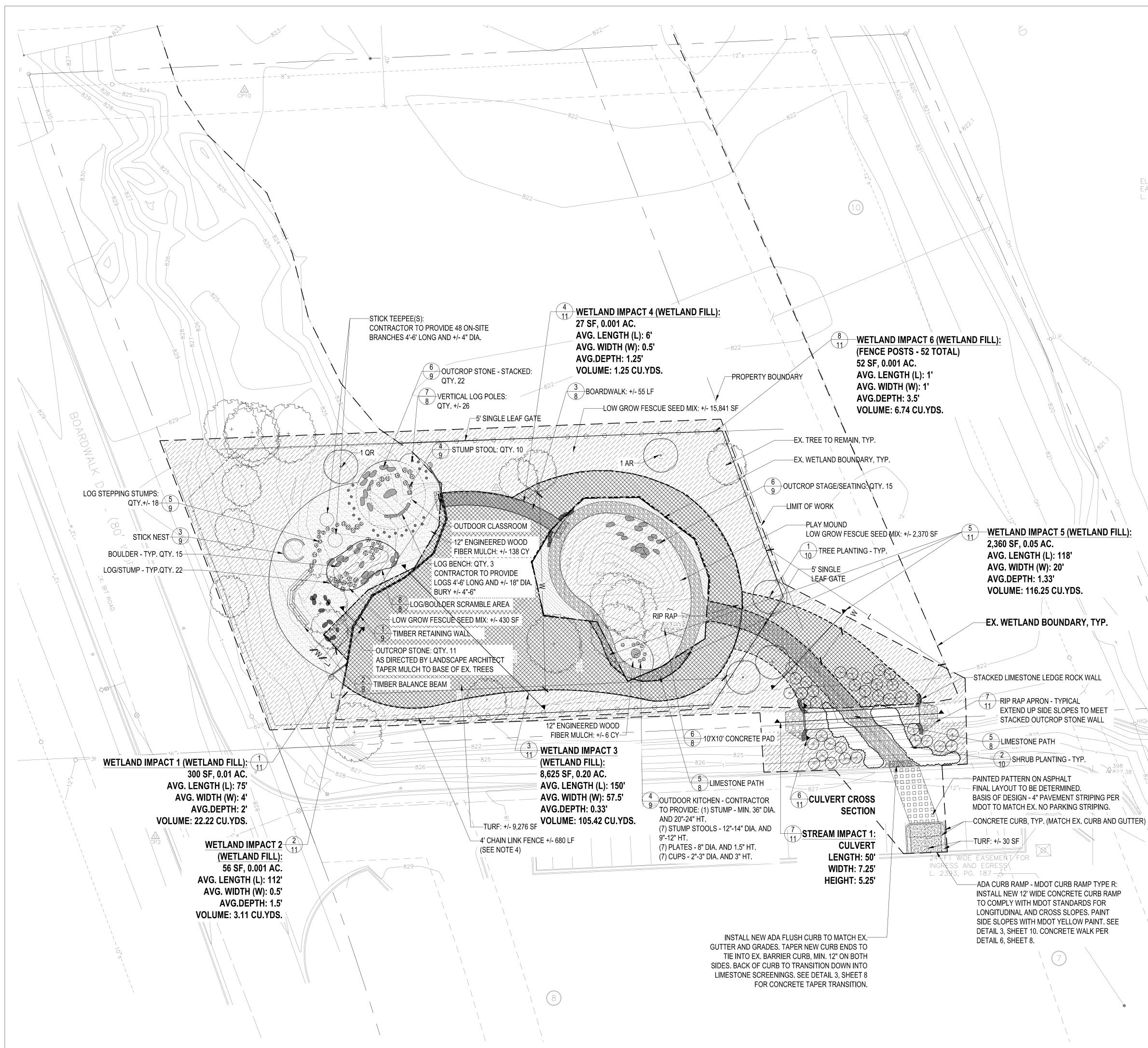
EGLE PERMIT APPLICATION REV 10-11-21 EGLE PERMIT APPLICATION REV 07-28-21 EGLE PERMIT APPLICATION 06-16-21 04-29-21 95% CDS./BID SET 50% CONSTRUCTION DOCS. 04-09-21

200790 ECT PROJECT NUMBER DESIGNED BY CHECKED BY DRAWN BY APPROVED BY

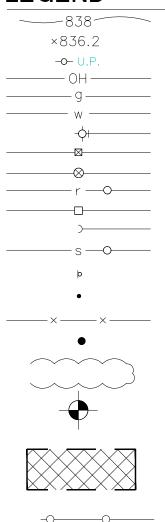
GRADING

SCALE: 1" = 20' @ 24" x 36" SHEET NUMBER NORTH N

Issued On:10/19/202 Expires On:10/19/



LEGEND



EXIST. CONTOUR EXIST. SPOT ELEVATION EXIST. UTILITY POLE EXIST. OVERHEAD UTILITY LINE EXIST. GAS LINE EXIST. WATER MAIN EXIST. HYDRANT EXIST. GATE VALVE IN BOX EXIST. GATE VALVE IN WELL EXIST. STORM SEWER EXIST. CATCH BASIN OR INLET END SECTION EXIST. SANITARY SEWER SIGN POST FENCE SINGLE TREE TREE OR BRUSH LIMIT SECTION CORNER APPROXIMATE WETLAND IMPACT AREAS

FENCE POST FOOTING WETLAND IMPACTS EXISTING WETLAND BOUNDARY

SEEDING:

ELEC.

EASEN L. 525

> 1. SEED AREAS SHALL BE SEEDED AFTER APRIL 15, (WHEN SOIL IS FREE OF FROST AND IN WORKABLE CONDITION), BUT BEFORE JUNE 1 OR AFTER AUGUST 15, BUT BEFORE OCTOBER 1, OR AS APPROVED BY THE ENGINEER.

> 2. LIGHTLY SCARIFY SO THAT THE BED IS SMOOTH AND FREE OF LARGE CLUMPS. SEED BED SHALL BE FIRM, BUT NOT COMPACT. SEED IMMEDIATELY AFTER SCARIFYING. DO NOT FERTILIZE. 3. ALL SEEDED AREAS SHALL BE HYDROSEEDED. A HYDROMULCH CONSISTING OF CELLULOSE OF SIMILAR MULCH WITH TACKIFIER SUITABLE FOR HYDROSEEDING SHALL BE USED AS A SEEING METHOD. NO STRAW MULCH SHALL BE USED.

> 4. ALL WATER USED IN HYDROMULCH SHALL BE FREE OF SUBSTANCES DETRIMENTAL TO PLANT GROWTH AND SHALL BE SUITABLE FOR DISCHARGE INTO SURFACE WATERS BASED ON LOCAL, STATE, AND FEDERAL REGULATORY REQUIREMENTS. SEEDING METHOD SHALL ENSURE COMPLETE COVERAGE OF DESIGNATED AREA. RE-SEED AREAS WITH GAPS IN SEEDING AT NO ADDITIONAL COST TO OWNER.

5. DO NOT SOW SEED WHERE STANDING WATER IS PRESENT

6. SOW SEED AT A SPECIES RATE PER MANUFACTURERS HIGH END SEEDING RATE. LIGHTLY RAKE TO INCORPORATE SEED INTO SOIL. DO NOT COVER SEED MORE THAN 1/4 INCH WITH SOIL. SEED DRILLING IS ALSO ACCEPTABLE.

7. CONTRACTOR SHALL REPAIR DAMAGED VEGETATION AND AERATE SOIL OVER ROOT ZONE OF NEGATIVELY IMPACTED VEGETATION. RE-SEED ALL DISTURBED AREAS TO PRE-EXISTING CONDITIONS.

8. EROSION SHALL BE REPAIRED BY THE CONTRACTOR.

PROTECTION FROM TRAFFIC AND EROSION IN NEWLY SEEDED AREAS IS THE RESPONSIBILITY OF THE CONTRACTOR. SAFETY FENCES AND/OR OTHER BARRIER METHODS WITH APPROPRIATE SIGNAGE MAY BE USED FOR ONE YEAR FROM COMPLETION OF CONSTRUCTION ACTIVITIES. ALL COSTS ASSOCIATED WITH THIS IS INCLUSIVE OF CONTRACTOR'S PRICING.

10. NOTIFY THE OWNER PRIOR TO AND FOLLOWING ANY MAINTENANCE ACTIVITY. 11. FINAL ACCEPTANCE OF WORK WILL BE SUBJECT TO ACCEPTANCE BY PROJECT MANAGER AND OWNER AT THE END OF WARRANTY PERIOD.

GENERAL NOTES:

1. CONTRACTOR TO ENSURE MIN. OF 12" ENGINEERED WOOD FIBER MULCH IS INSTALLED IN AREAS NOTED ON DRAWING.

2. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL PLAY ELEMENTS WITH OWNER/LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

3. ALL SPIKES/FASTENERS USED TO TIE NATURAL PIECES TOGETHER AND/OR USED TO TIE DOWN PERMANENT LANDSCAPING MATERIALS INCLUDING BUT NOT LIMITED TO STONE BASE CONTAINMENT EDGING, ENGINEERED WOOD FIBER EDGING, ETC. ARE FULLY EMBEDDED/NOT EXPOSED IN FINAL INSTALLATION. FASTENERS THAT ARE EXPOSED SHOULD MEET THE REQUIREMENTS OUTLINED IN CPSC PLAYGROUND REQUIREMENTS.

4. CHAIN-LINK FENCE: - SEE SPECIFICATION 323113.

- FENCE TO HAVE TOP & BOTTOM RAILS W/ KNUCKLED SELVAGES.

- POST SPACING MAX. 8' - 0" ON CENTER.

- ALL FENCING AND HARDWARE SHALL HAVE A THERMALLY FUSED BLACK POLYMER COATING, 10 MIL MIN. THICKNESS.

- PROVIDE SHOP DRAWINGS BY A LICENSED MICHIGAN PROFESSIONAL ILLUSTRATING A COMPLETE CHAINLINK FENCE SYSTEM FROM FOOTINGS TO TOP OF FENCE INCLUDING POSTS AND ALL CONNECTIONS. - SET BOTTOM FENCE RAIL MAX. 3" ABOVE GRADE, TYP.

- ALL GATES TO HAVE CHILD PROOF LOCKING MECHANISM. SUBMIT PRODUCT FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

PLANT LIST:

	/					
Symbol	Quantity	Scientific Name	Common Name	Size	Cont.	Spacing
SHRUBS						
Ce	52	Ceanothus americanus	New Jersey Tea	Min. 24" ht.	5 Gallon	3' o.c.
Cs	14	Cornus sericea	Red-oisier Dogwood	Min. 36" ht.	5 gallon	5' o.c.
Po	6	Physocarpus opulifolius	Common Ninebark	Min. 30" ht.	5 gallon	5' o.c.
Va	8	Viburnum acerfolium	Maple-leaved Viburnum	Min. 36" ht.	5 gallon	5' o.c.
TREES						
AR	3	Acer rubrum	Red Maple	2.5" Cal.	B&B	As Shown
CO	1	Celtis occidentalis	Hackberry	2.5" Cal.	B&B	As Shown
QR	3	Quercus rubra	Red Oak	2.5" Cal.	B&B	As Shown

3 WORKING DAYS **BEFORE YOU DIG** CALL MISS DIG 1-800-482-7171

PRESCHOOL PLAYGROUND **IMPROVEMENTS**

CITY OF ANN ARBOR, MICHIGAN

EGLE PERMIT APPLICATION REV 10-11-21 EGLE PERMIT APPLICATION REV 07-28-21 EGLE PERMIT APPLICATION 06-16-21 04-29-21 95% CDS./BID SET 50% CONSTRUCTION DOCS. 04-09-21



DESIGNED BY CHECKED BY

DRAWN BY APPROVED BY

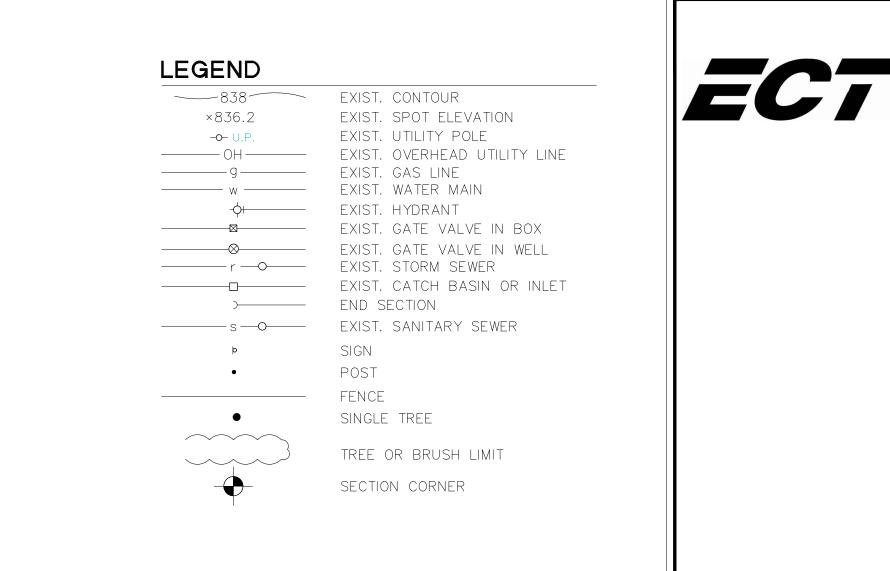
SITE PLAN AND **OVERALL** IMPACTS

SCALE: 1" = 20' @ 24" x 36"

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SHEET NUMBER
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EGLE-WRE WRP031196
WRP031196

Approved Issued On:10/19/2021 Expires On:10/19/2





GENERAL NOTE:

1. CONTRACTOR TO STAKE OUT LOCATION OF ALL PLAY ELEMENTS AND FEATURES. CONFIRM WITH LANDSCAPE ARCHITECT PRIOR TO COMMENCING INSTALLATION.



CITY OF ANN ARBOR, MICHIGAN

EGLE PERMIT APPLICATION REV	10-11-21			
EGLE PERMIT APPLICATION REV	07-28-21			
EGLE PERMIT APPLICATION	06-16-21			
95% CDS./BID SET	04-29-21			
50% CONSTRUCTION DOCS. 04-09-21				
200790				
ECT PROJECT NUMBER				

 JL
 PJ

 DESIGNED BY
 CHECKED BY

 MP
 PJ

 DRAWN BY
 APPROVED BY

LAYOUT PLAN

SCALE: 1" = 20' @ 24" x 36"

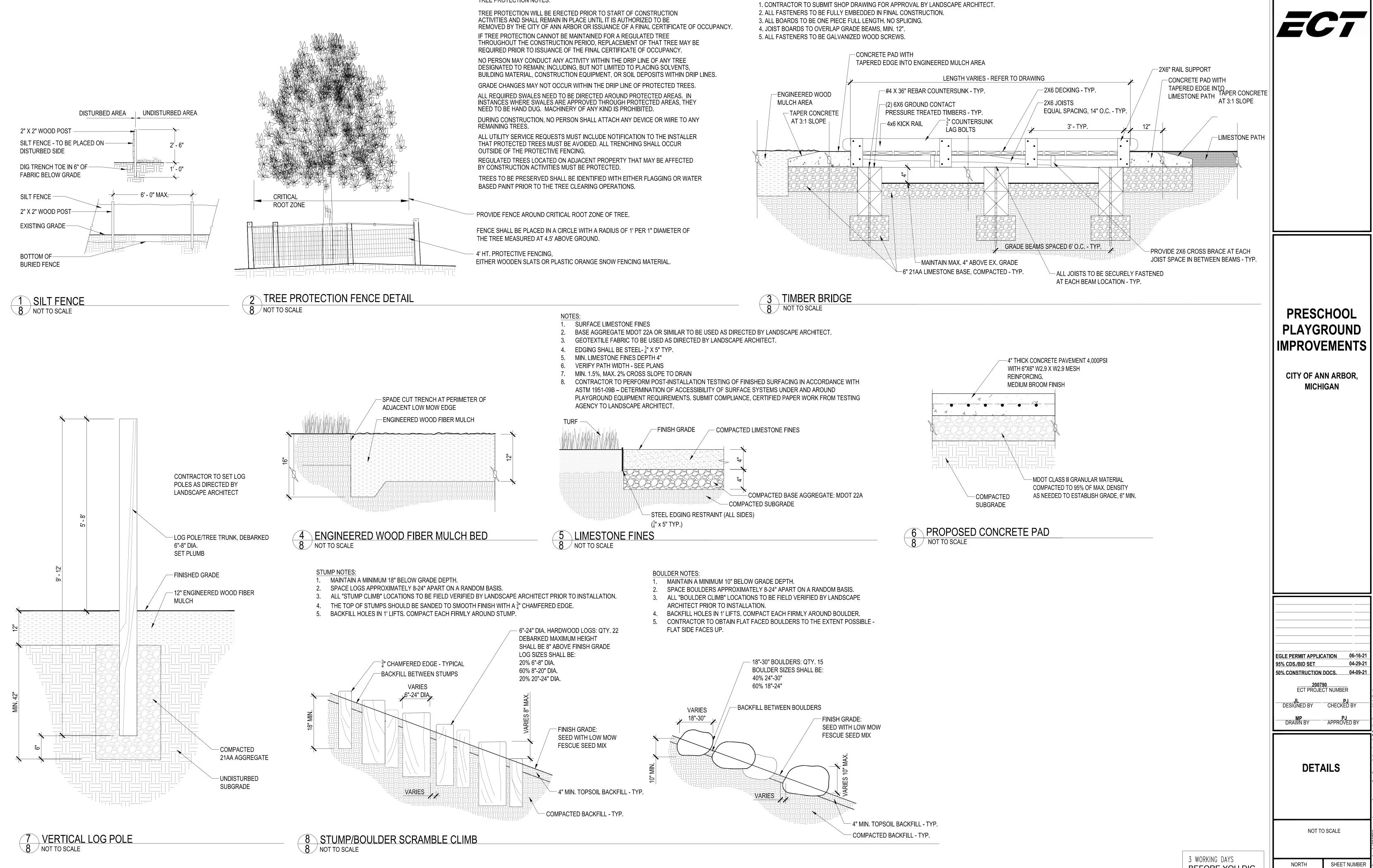
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3 WORKING DAYS
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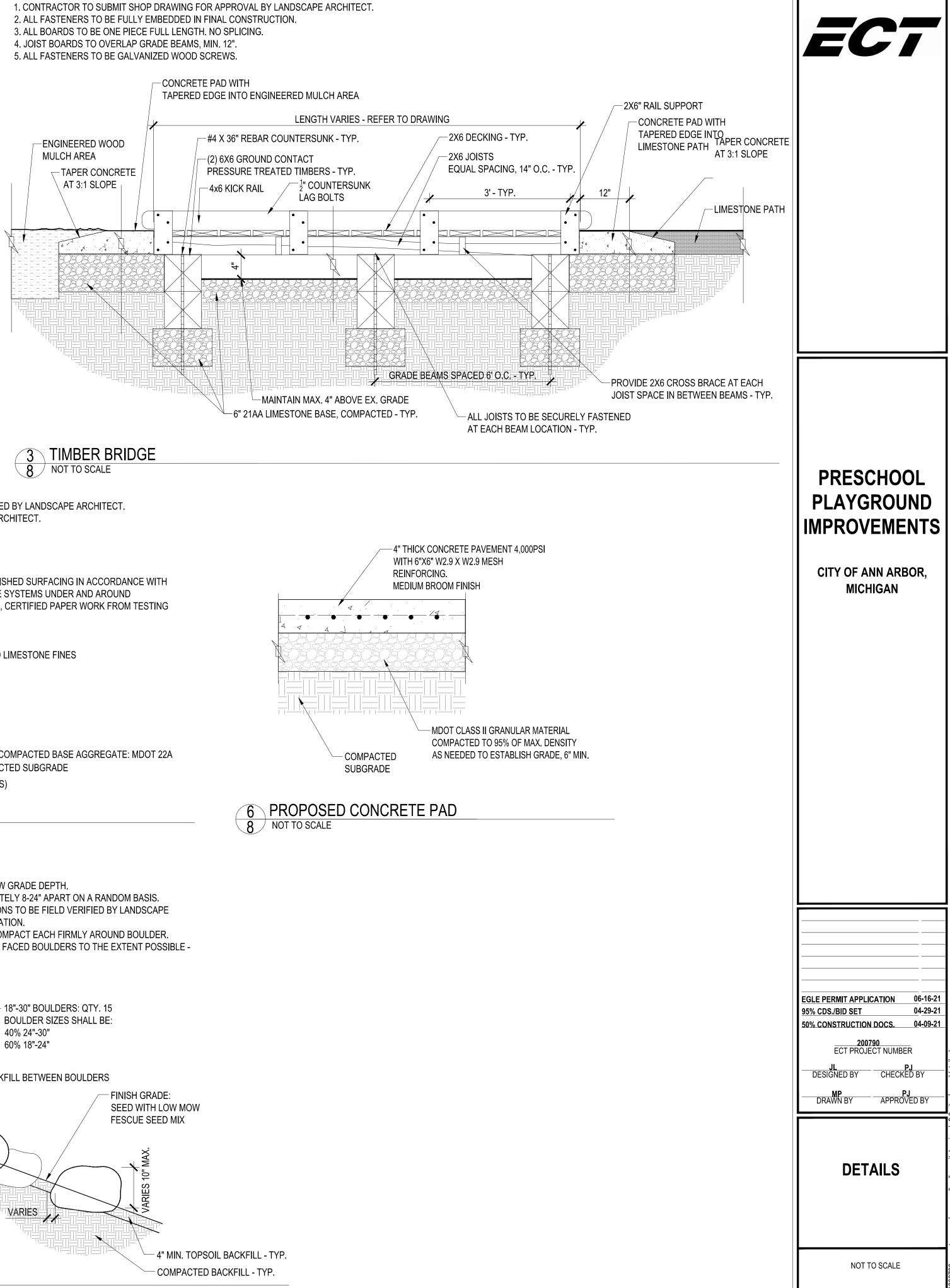
Approved Issued On:10/19/2021 Expires On:10/19/2026

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TREE PROTECTION NOTES:

NOTES:

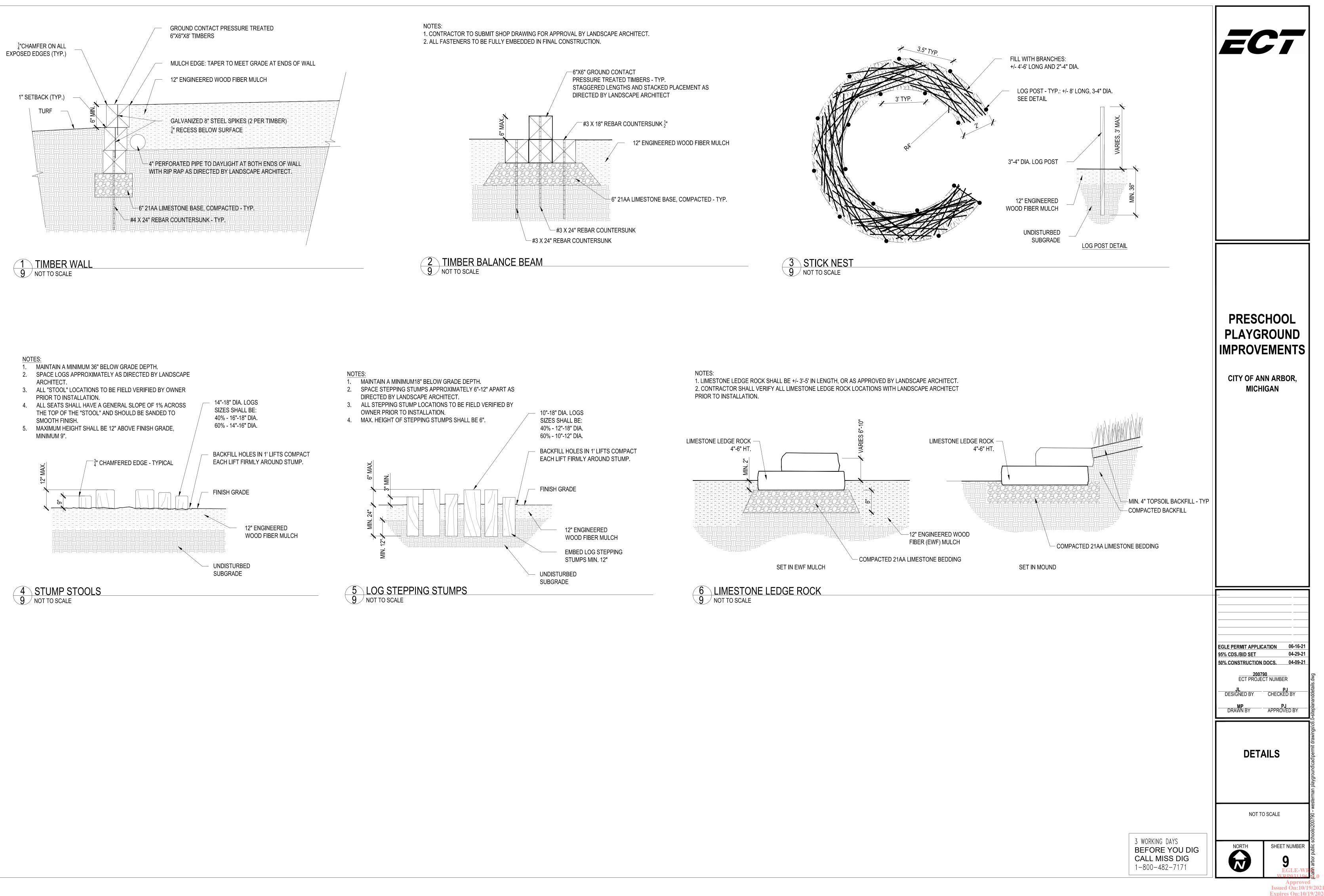


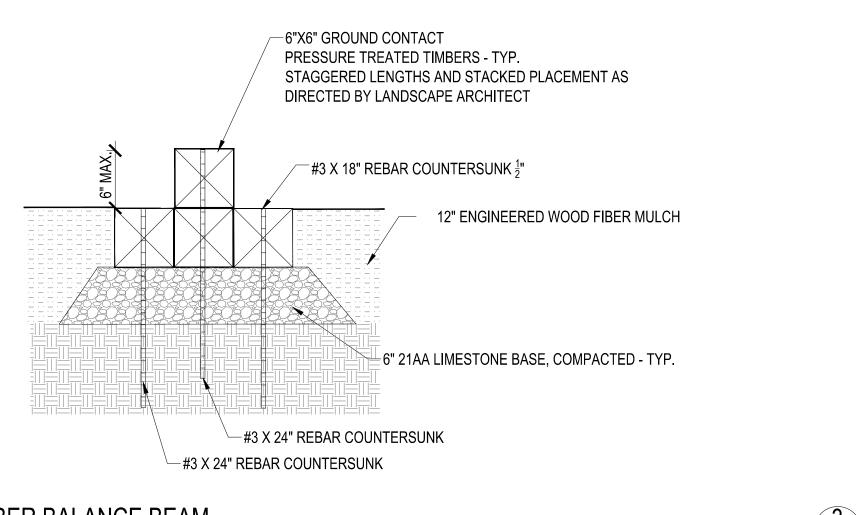


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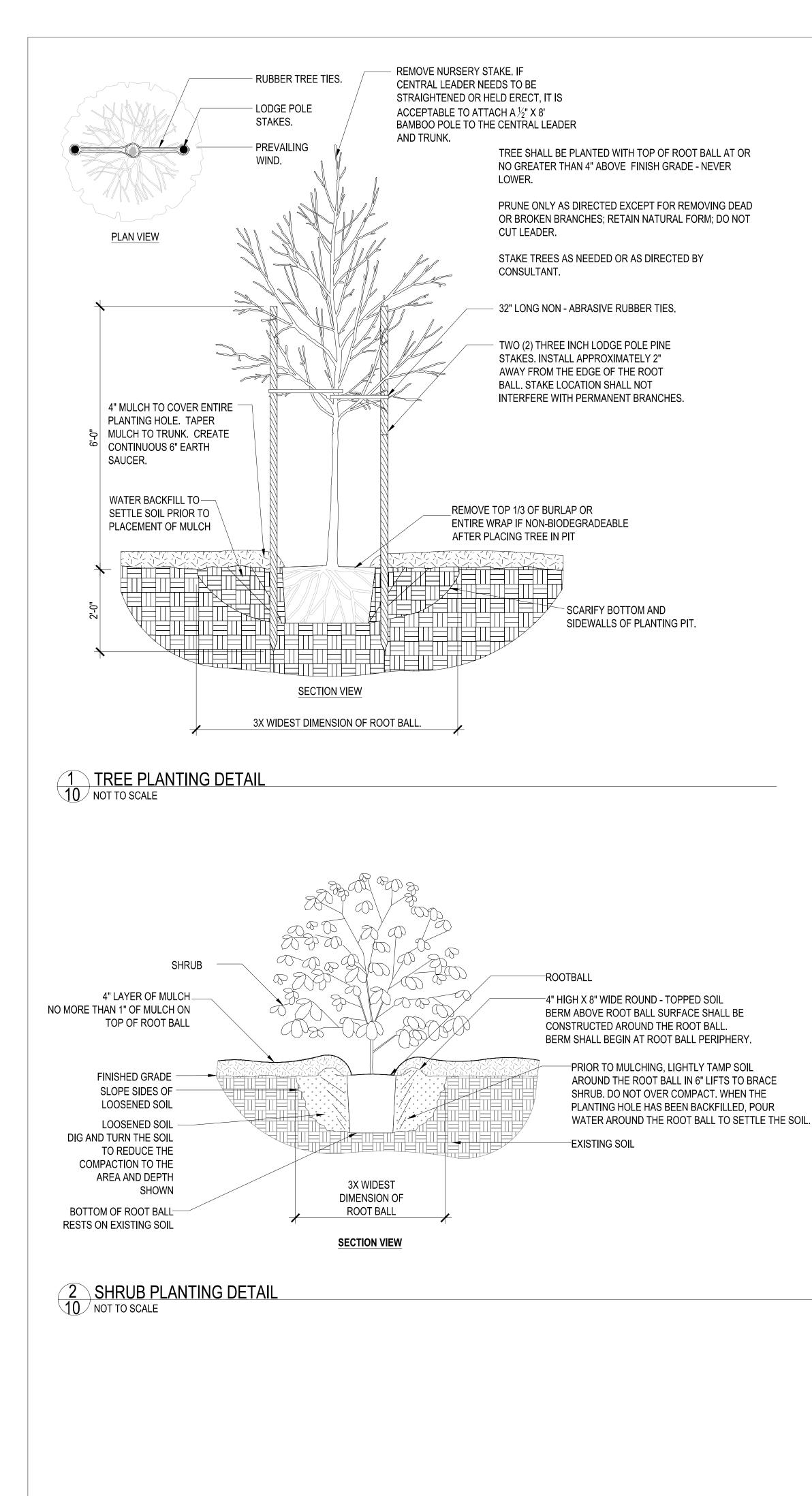
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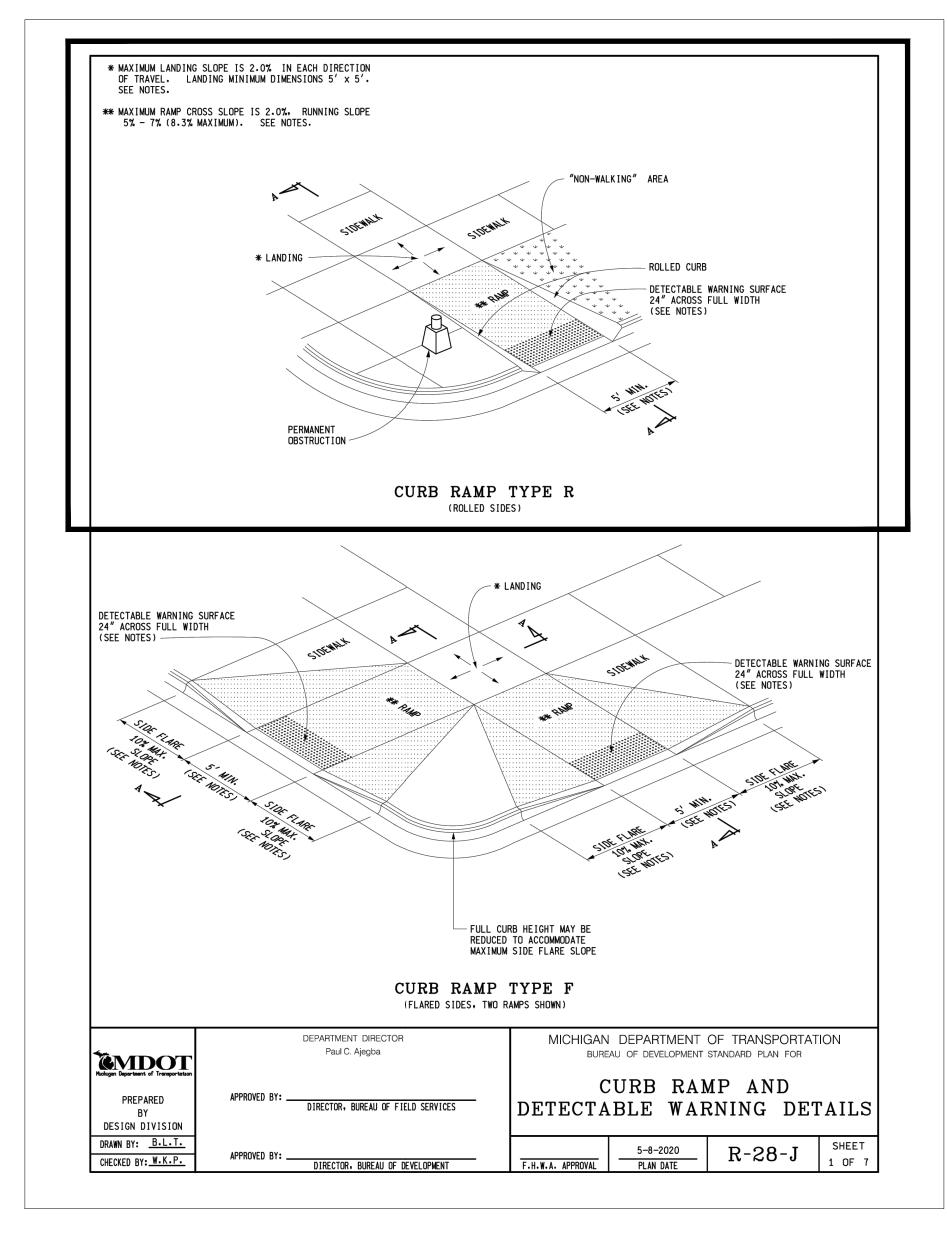
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3 MDOT CURB RAMP - TYPE R 10 NOT TO SCALE

PRESC PLAYGI IMPROVI	ROUND EMENTS IN ARBOR,
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