

CONSTRUCTION PLANS

# VENOY DORSEY KAYAK LAUNCHES

CITY OF WESTLAND, WAYNE COUNTY, MICHIGAN

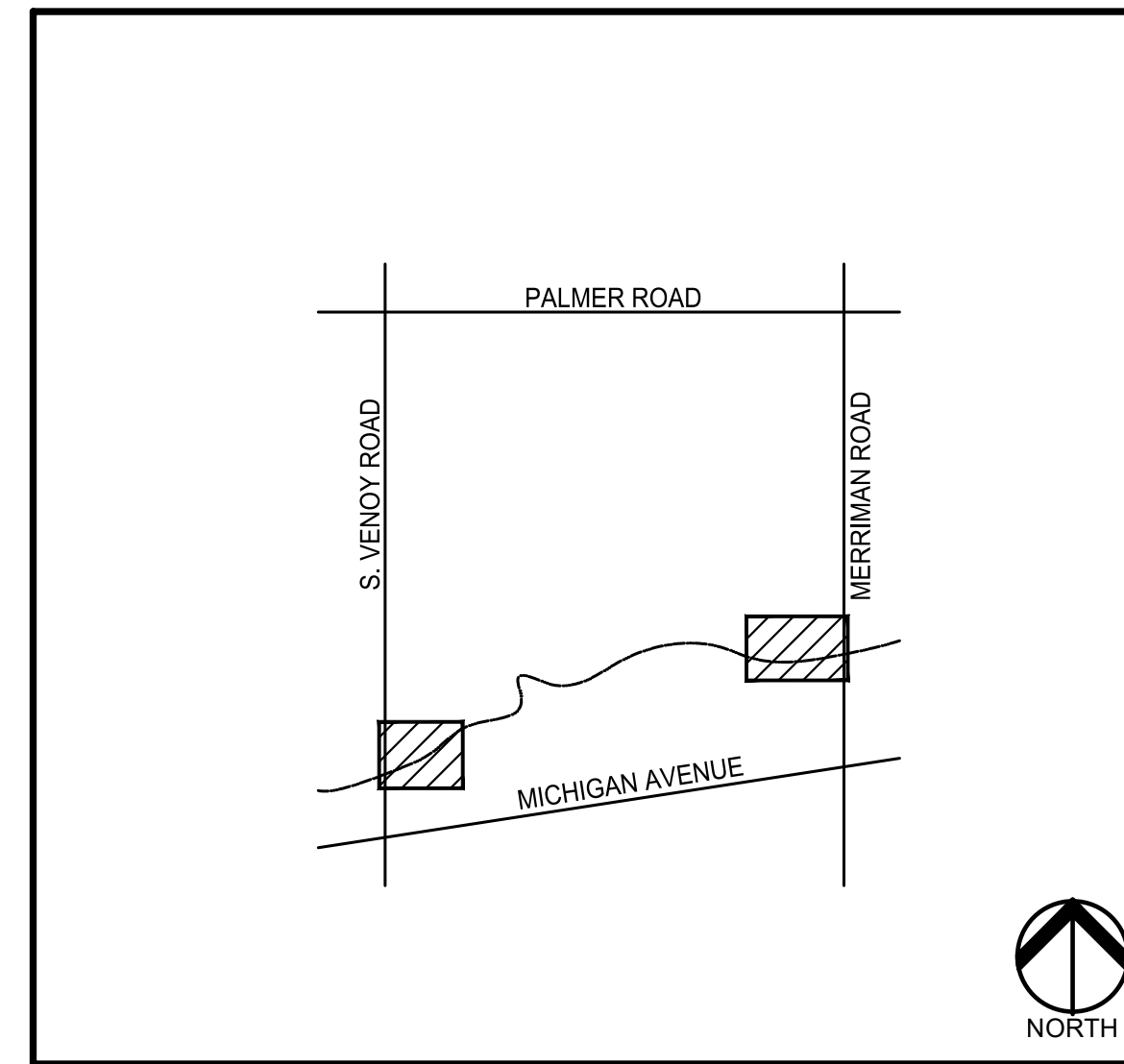
PERMIT / APPROVAL SUMMARY		
DATE SUBMITTED	DATE APPROVED	PERMIT / APPROVAL
7/26/2021	11/29/2021	EGLE STREAM AND FLOODPLAIN PERMIT (WRP031632 V.1)

**SITE DATA TABLE:**

SITE AREA: 91 ACRES  
 ZONING: IN THE CITY OF WAYNE: RV (RIVER VALLEY)  
 IN THE CITY OF WESTLAND: R-6 (TWO FAMILY RESIDENTIAL)  
 PROPOSED USE: PUBLIC PARKLAND  
 SITE SOILS INFORMATION:  
 ACCORDING TO A GEOTECHNICAL REPORT PREPARED BY PEA GROUP ON SEPTEMBER 23, 2021, SITE SOILS GENERALLY CONSIST OF SURFICIAL TOPSOIL OVERLYING COHESIVE SOILS WITH LAYERS OF SAND.

Wayne County Storm Water Management Ordinance Land Use Summary - Merriman		
Characteristic	Existing Conditions	Proposed Conditions
Total Development Area (ac)	0.86	0.86
Impervious Area	0.00	0.39
Pervious Area	0.86	0.47
<b>Pervious Area Breakdown by Cover Type</b>		
Meadow/fallow/natural areas (non-cultivated)	0.862	0.000
Predominant NRCS Soil Type (A, B, C or D)	C	C
Improved areas (turf grass, landscape, row crops)	0.000	0.472
Predominant NRCS Soil Type (A, B, C or D)	C	C
Wooded Areas	0.000	0.000
Predominant NRCS Soil Type (A, B, C or D)	C	C
Calculated CPVC Volume (CF)	1,779	1,779
CPVC Volume Provided (CF)	1,779	1,464
CPRC Volume Provided (CF)	4,949	N/A
<b>Site Summary:</b>		
The plan includes construction of a kayak launch, parking lot and associated pavement. The disturbed areas is 0.86 acres with soil types C. The site's stormwater management system will be stored in a bioretention basin directly east of the proposed parking.		
The Professional Engineer who signs and seals this site plan certifies that the values in this table reflect the Wayne County storm water calculations required for this development and that geotechnical investigations were performed that provide conclusive documentation that demonstrates whether infiltration (i.e. CPVC Volume Control) is practical.		

Wayne County Storm Water Management Ordinance Land Use Summary - Venoy		
Characteristic	Existing Conditions	Proposed Conditions
Total Development Area (ac)	0.63	0.63
Impervious Area	0.00	0.36
Pervious Area	0.63	0.27
<b>Pervious Area Breakdown by Cover Type</b>		
Meadow/fallow/natural areas (non-cultivated)	0.633	0.000
Predominant NRCS Soil Type (A, B, C or D)	C	C
Improved areas (turf grass, landscape, row crops)	0.000	0.269
Predominant NRCS Soil Type (A, B, C or D)	C	C
Wooded Areas	0.000	0.000
Predominant NRCS Soil Type (A, B, C or D)	C	C
Calculated CPVC Volume (CF)	1,464	1,464
CPVC Volume Provided (CF)	1,464	1,464
CPRC Volume Provided (CF)	N/A	N/A
<b>Site Summary:</b>		
The plan includes construction of a kayak launch, parking lot and associated pavement. The disturbed area is 0.63 acres with soil types C. Stormwater management is provided by a vegetated swale and a level spreader in order to provide water quality management as the entire site is in the floodplain.		
The Professional Engineer who signs and seals this site plan certifies that the values in this table reflect the Wayne County storm water calculations required for this development and that geotechnical investigations were performed that provide conclusive documentation that demonstrates whether infiltration (i.e. CPVC Volume Control) is practical.		



LOCATION MAP  
NO SCALE

**PROJECT DESCRIPTION**  
EARTHWORK, PAVING, AND GRADING FOR PROPOSED KAYAK LAUNCH SITES.

Sheet List Table	
Sheet Number	Sheet Title
C-0.0	COVER SHEET
C-1.0	VENOY TOPOGRAPHIC SURVEY
C-2.0	VENOY DEMOLITION PLAN
C-2.1	VENOY TREE REMOVAL PLAN
C-3.0	VENOY DIMENSIONAL AND PAVING PLAN
C-4.0	VENOY GRADING PLAN
C-5.0	VENOY SOIL EROSION AND SEDIMENTATION CONTROL
C-6.0	VENOY DRAINAGE PLAN
C-7.0	VENOY LANDSCAPE PLAN
C-11.0	MERRIMAN TOPOGRAPHIC SURVEY
C-12.0	MERRIMAN DEMOLITION PLAN
C-12.1	MERRIMAN TREE REMOVAL PLAN
C-13.0	MERRIMAN DIMENSIONAL AND PAVING PLAN
C-14.0	MERRIMAN GRADING PLAN
C-15.0	MERRIMAN SOIL EROSION AND SEDIMENTATION CONTROL
C-16.0	MERRIMAN DRAINAGE PLAN
C-17.0	MERRIMAN LANDSCAPE PLAN
C-20.0	SITE DETAILS
C-20.1	SITE DETAILS
C-20.2	SITE DETAILS
C-20.3	SITE DETAILS
C-20.4	SITE DETAILS
C-20.5	SITE DETAILS
C-20.6	SITE DETAILS
C-20.7	SITE DETAILS
C-20.8	LANDSCAPE DETAILS

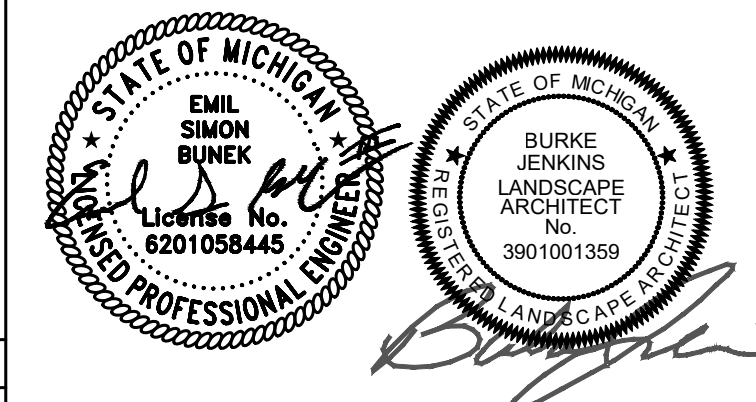
**PROPERTY DESCRIPTION**  
PER CITY OF WESTLAND GIS:  
PARCEL ID 5607399003000, LAND IN THE CITY OF WESTLAND, WAYNE COUNTY, MICHIGAN DESCRIBED AS:  
 27C1B D1B E2 L1A2 PART OF N 1/2 OF SEC 27 DES AS BEG AT THE E 1/4 CORN OF SEC 27 AND PROC TH ALONG THE E AND W 1/4 SECT LINE N89D 55M 25S W 1322.45FT AND S89D 41M 02S W 1315.51FT AND N89D 23M 12S W 1014.79FT TH N72D 12M 58S W 48FT TH S79D 06M 42SEC W 68FT TH N89D 23M 12S W 177.86FT TO THE CENTER LINE OF VENOY RD TH NOD 23M E ALONG SAID CENTER LINE 93.72FT TH S89D 37M E 131FT TH N88D 31M 28S E 72.49FT TH N39D 55M 15S E 547.04FT TH N89D 39M 57S E 166.51FT TH N39D 37M 56S E 211.65FT TH N73D 09M 45S E 79.40 FT TH S85D 03M E 150.56FT TH N84D 48M 20S E 110.45FT TH N89D 6M 34S E 118.53FT TH S82D 45M 10S E 118.95FT TH S18D 51M 45S E 77.98FT TH S49D 36M E 225.39FT TH DUE E 52FT TH N40D 21M 52S E 415.48FT TH N21D 06M 52S E 96.94FT TH N42D 58M 27S W 220.05FT TH N32D 36M 02S W 102.08 FT TH N20D 36M 49S W 116.46FT TH S66D 02M 36S E 132FT TH S75D 39M 52S E 92.89 FT TH DUE E 554FT TH N52D 57M 27S E 199.20FT TH S20D 00M W 186FT TH N70D 00M W 127FT TH S20D 00M W 120FT TH S35D 00M 33SEC E 129.04FT TH S43D 48M 53SEC E 102.55FT TH S49D 31M 29SEC E 98.60FT TH S40D 39M 42SEC E 102.83FT TH S29D 53M 11SEC E 100.34FT TH S25D 44M 18SEC E 402.98FT TH S37D 56M 15SEC E 161.03FT TH N87D 18M 68SEC E 256.28FT TH N74D 44M 15SEC E 613.52FT TO THE E LINE OF SEC 27 TH S0D 35M 45SEC W ALONG SAID LINE 268FT TO POB EXC THE W 60FT THEREOF ALSO EXC THE E 60FT THEREOF 56.04 ACRES  
 AND  
 PARCEL ID 55002990002002, LAND IN THE CITY OF WAYNE, WAYNE COUNTY, MICHIGAN DESCRIBED AS:  
 27V1B PT OF SE 1/4 SEC 27 T2S R9E DESC AS BEG AT E 1/4 COR SEC 27 TH S87DEG 50M 35S W 1322.45FT TH S1DEG 56M 58S E 105.97FT TH S84DEG 22M 36S E 1331.52FT TH N1DEG 26M 24S W 286.23FT TO POB 5.95 AC  
 AND  
 PARCEL ID 55001990017000 LAND IN THE CITY OF WAYNE, WAYNE COUNTY, MICHIGAN DESCRIBED AS:  
 27R1A1 THAT PART OF THE SW 1/4 OF SEC 27 DESCRIBED AS BEGINNING AT A POINT ON THE E AND W 1/4 SECTION LINE DISTANT N 89D 23M 12SEC W 251.60 FT FROM THE CENTER 1/4 CORNER OF SEC 27 AND PROCEEDING TH ALONG THE CENTER LINE OF THE WEST BRANCH OF RIVER ROUGE S OD 23M 65SEC W 33 FT AND S 17D 51M 55SEC E 91.27 FT AND S 10D 13M 34SEC E 162.80 FT AND S 4D 22M 13SEC E 120.42 FT AND S 5D 49M 37SEC W 105.60 FT AND S 8D 18M 03SEC W 105.40 FT AND S 25D 43M 12SEC W 126.40 FT AND S 71D 39M 21SEC W 130.70 FT AND S 54D 13M 36SEC W 560 FT AND S 62D 31M 36SEC W 242.52 FT AND S 48D 25M 21SEC W 315.72 FT AND N 89D 36M 24SEC W 33 FT TO THE CENTER LINE OF VENOY RD TH N OD 25M 15SEC E ALONG SAID LINE 270.14 FT TH S 89D 34M 45SEC E 130 FT TH N OD 25M 15SEC E 89 FT TH N 89D 34M 45SEC W 130 FT TO THE CENTER LINE OF VENOY RD TH N OD 25M 15SEC E ALONG SAID LINE 551.03 FT TH N 81D 55M 22SEC E 161.06 FT TH N 48D 19M 23SEC E 329.36 FT TH N 20D 20M 39SEC E 94.92 FT TH N 10D 53M 08SEC W 105.91 FT TH N 45D 27M 04SEC W 89.91 FT TH N 72S 12M 58SEC W 63.32 FT TO THE E AND W 1/4 SECTION LINE TH S 89D 23M 12SEC E ALONG SAID LINE 763.19 FT TO THE POB EXCEPT THE WEST 60 FT THEREOF 19.21 AC- RES

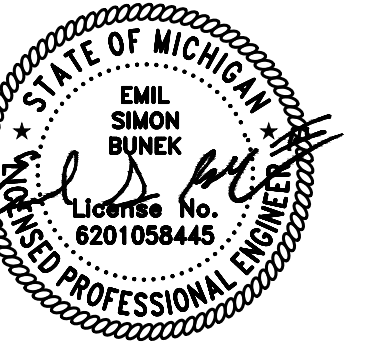
**DESIGN TEAM**

<b>OWNER/APPLICANT/DEVELOPER</b>	<b>CIVIL ENGINEER</b>
WAYNE COUNTY PARKS 33175 ANN ARBOR TRAIL WESTLAND, MI 48185 CONTACT: JOHN L. GUNDRY, PLA PHONE: 734.466.3504 EMAIL: JGUNDRY@WAYNECOUNTY.COM	PEA GROUP 45 W. GRAND RIVER AVE., STE 501 DETROIT, MI 48226 CONTACT: EMIL S. BUNEK III, PE PHONE: 844.813.2949 EMAIL: EBUNEK@PEAGROUP.COM
<b>LANDSCAPE ARCHITECT</b>	
PEA GROUP 45 W. GRAND RIVER AVE., STE. 501 DETROIT, MI 48226 CONTACT: BURKE JENKINS, PLA, ASLA PHONE: 844.813.2949 EMAIL: BJENKINS@PEAGROUP.COM	

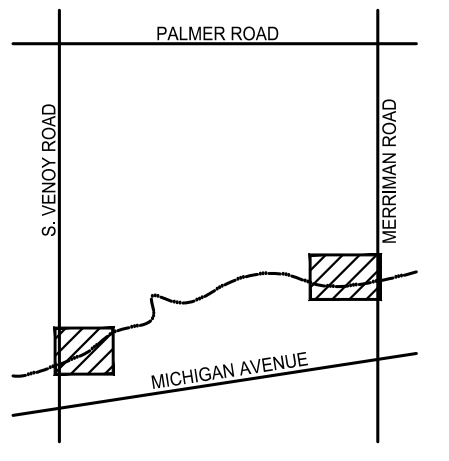


REVISIONS	
DESCRIPTION	DATE
95% CD	10/8/2021
MDNR REVIEW	2/4/2022
MDNR REVISIONS	3/10/2022
MDNR REVISIONS	4/25/2022
WAYNE COUNTY	7/12/2022
WAYNE CO. REVISIONS	10/25/2022
BIDS	11/30/2022
ADDENDUM #1	12/16/2022
WAYNE CO. REVISIONS	1/30/2023
REBID	6/5/2023





**CAUTION!**  
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.



CLIENT  
**WAYNE COUNTY PARKS**  
33175 ANN ARBOR TRAIL  
WESTLAND, MI

PROJECT TITLE  
**VENOY DORSEY KAYAK LAUNCHES**  
WAYNE, MI

REVISIONS	
95% CD	10/08/21
MDNR REVIEW	02/04/22
MDNR REVISIONS	03/10/22
MDNR REVISIONS	04/25/22
WAYNE COUNTY	07/12/22
WAYNE CO. REVISIONS	10/25/22
BIDS	11/30/22
ADDENDUM #1	12/16/22
WAYNE CO. REVISIONS	01/30/23
REBID	06/05/23

ORIGINAL ISSUE DATE:  
MARCH 2, 2021

DRAWING TITLE  
**VENOY TOPOGRAPHIC SURVEY**

PEA JOB NO.	2020-0310
P.M.	BWJ
DN.	JRW
DES.	BWJ/JRW
DRAWING NUMBER:	

**FLOODPLAIN:**  
(Per Flood Insurance Rate Map Number 26163C0240F, effective December 03, 2013)  
BY GRAPHICAL PLOTTING, THE SITE LIES WITHIN:  
SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD  
The 1% annual chance flood (100 year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.  
**ZONE A** - Base Flood Elevations determined.  
**OTHER AREAS**  
**ZONE X** - Area to be determined outside of the 0.2% annual chance floodplain.

**NOTE:** 100-YEAR FLOOD CONTOUR, IS NOT DEPICTED. 100 YEAR-FLOOD ELEVATION IS 636.98 NAVD88, AS PROVIDED BY EGLE  
**REFERENCE DRAWINGS**  
WATER MAIN DWSID MAP 4-H, REV. 5-23-97  
ELECTRIC DTE ELECTRIC FACILITY MAPS 285-288, 285-288, DATED 09/2000

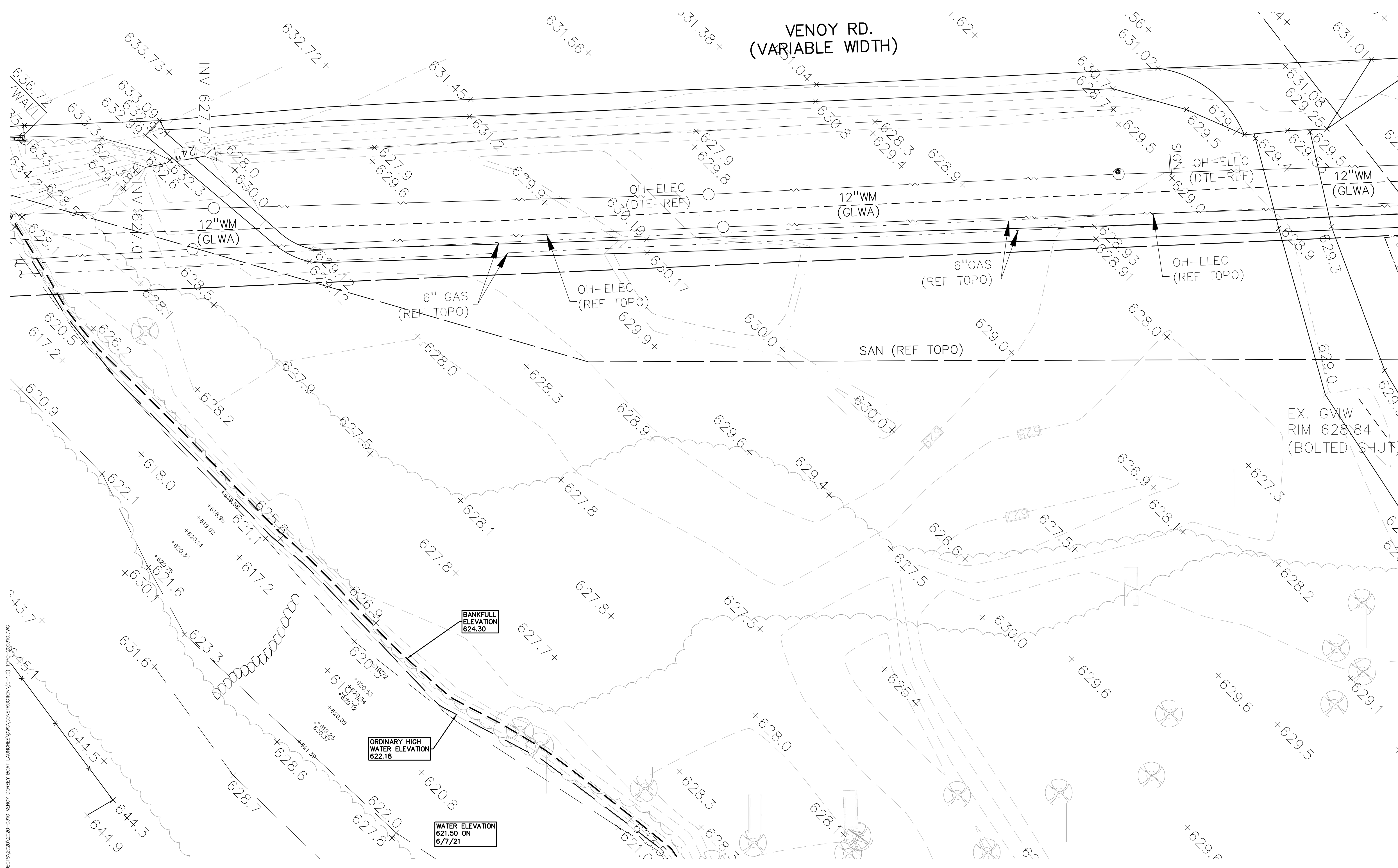
**LEGEND**

● IRON FOUND	⊗ BRASS PLUG SET	⊕ REC. CORNER FOUND
⊗ IRON SET	⊗ MONUMENT FOUND	⊕ RECORDED
⊗ NAIL FOUND	⊗ MONUMENT SET	⊕ MEASURED
⊗ NAIL & CAP SET		⊕ CALCULATED

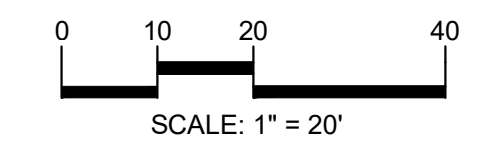
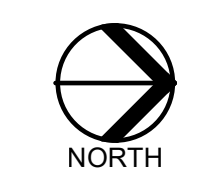
**EXISTING**

-OH-ELEC-W-V<	ELEC. PHONE OR CABLE TV OH. LINE, POLE & GUY WIRE
-UG-CATY-	UNDERGROUND CABLE TV CATY PRESTAL
-T-	TELEPHONE U.G. CABLE, PRESTAL & MANHOLE
-UG-ELEC-	ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE
⊕	GAS MAIN, VALVE & GAS LINE MARKER
⊕	WATERMAIN, HYD. GATE VALVE, TAPPING SLEEVE & VALVE
⊕	SANITARY SEWER, CLEANOUT & MANHOLE
⊕	STORM SEWER, CLEANOUT & MANHOLE
⊕	COMBINED SEWER & MANHOLE
⊕	SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN
⊕	POST INDICATOR VALVE
⊕	WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF
⊕	MAIL BOX, TRANSFORMER, IRRIGATION CONTROL VALVE
⊕	UNIDENTIFIED STRUCTURE
⊕	SPOT ELEVATION
⊕	CONTOUR LINE
⊕	FENCE
⊕	GUARD RAIL
⊕	STREET LIGHT
⊕	SIGN
⊕	CONCRETE
⊕	ASPHALT
⊕	GRAVEL SHOULDER
⊕	WETLAND

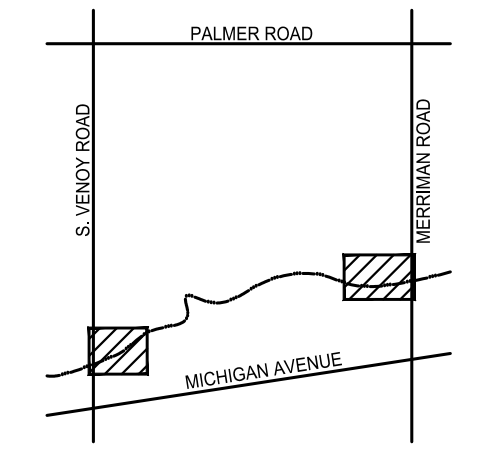
**BENCHMARKS**  
(GPS DERIVED - NAVD88)  
**BM #1**  
TOP OF SPIKE IN THE WEST FACE OF A UTILITY POLE, LOCATED ALONG THE EAST SIDE OF VENOY RD.; +/-38 FEET EAST OF THE EDGE OF PAVEMENT; +/-60 FEET SOUTH OF PARK ENTRANCE (GRAVEL DRIVE); +/-20 FEET WEST OF THE FACE OF A CONCRETE WALK  
ELEV. - 630.26  
**BM #2**  
TOP OF SPIKE IN THE NORTH FACE OF A 25" BLACK WALNUT TREE (TAG #723), LOCATED +/-110 FEET SOUTHWEST OF A GRAVEL DRIVE; +/-172 FEET SOUTHWEST OF CONTROL POINT #19  
ELEV. - 629.44  
**BM #3**  
TOP OF MAIN STEAMER VALVE OF A HYDRANT LOCATED ALONG THE SOUTH SIDE OF DORSEY ROAD; +/-5 FEET SOUTH OF THE EDGE OF PAVEMENT; +/-127 FEET NORTHWEST OF CONTROL POINT #22; +/-46 FEET EAST OF A UTILITY POLE  
ELEV. - 644.98  
**BM #4**  
TOP OF BENCHMITE IN NORTHWEST FACE OF A 24" OAK TREE (TAG #419), LOCATED +/-48 FEET EAST OF CONTROL POINT #21; +/-86 FEET NORTH OF THE NORTHEAST CORNER OF A TENNIS COURT; +/-145 FEET NORTHWEST OF A GRAVEL DRIVE  
ELEV. - 626.20



S:\PROJECTS\2020\2020-0310 VENOY DORSEY BOAT LAUNCHES\DWG\CONSTRUCTION\C-1.0 DTP\0210.DWG



**CAUTION!!**  
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE DRAWINGS ARE ONLY AS APPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.



CLIENT  
**WAYNE COUNTY PARKS**  
33175 ANN ARBOR TRAIL  
WESTLAND, MI

PROJECT TITLE  
**VENJOY DORSEY KAYAK LAUNCHES**  
WAYNE, MI

REVISIONS		
95% CD		10/08/21
MDNR REVIEW		02/04/22
MDNR REVISIONS		03/10/22
MDNR REVISIONS		04/25/22
WAYNE COUNTY		07/12/22
WAYNE CO. REVISIONS		10/25/22
BIDS		11/30/22
ADDENDUM #1		12/16/22
WAYNE CO. REVISIONS		01/30/23
REBID		06/05/23

ORIGINAL ISSUE DATE:  
MARCH 2, 2021

DRAWING TITLE  
**VENJOY DEMOLITION PLAN**

PEA JOB NO. 2020-0310  
P.M. BWJ  
DN. JRW  
DES. BWJ/JRW

DRAWING NUMBER:  
**C-2.0**

**LEGEND**

● IRON FOUND	⊗ BRASS PLUG SET	⊙ SEC. CORNER FOUND
⊗ IRON SET	⊙ MONUMENT FOUND	R RECORDED
⊗ NAIL FOUND	⊙ MONUMENT SET	M MEASURED
⊗ NAIL & CAP SET		C CALCULATED

**EXISTING**

— OH-ELEC —	ELEC. PHONE OR CABLE TV O.H. LINE, POLE & GUY WIRE
— UG-CATV —	UNDERGROUND CABLE TV, CATV PEDESTAL
⊗ UG-PHONE	TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE
— UG-ELEC —	ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE
— GAS —	GAS MAIN, VALVE & GAS LINE MARKER
— W —	WATERMAIN, HYD. GATE VALVE, TAPPING SLEEVE & VALVE
— S —	SANITARY SEWER, CLEANOUT & MANHOLE
— ST —	STORM SEWER, CLEANOUT & MANHOLE
⊙	COMBINED SEWER & MANHOLE
⊙	SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN
⊙	POST INDICATOR VALVE
⊙	WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF
⊙	MAILBOX, TRANSFORMER, IRRIGATION CONTROL VALVE
⊙	UNIDENTIFIED STRUCTURE
+	SPOT ELEVATION
— 670 —	CONTOUR LINE
— X —	FENCE
— □ —	GUARD RAIL
— ○ —	STREET LIGHT
— * —	SIGN
— CONC. —	CONCRETE
— ASPH. —	ASPHALT
— GRAVEL —	GRAVEL SHOULDER
— WETLAND —	WETLAND

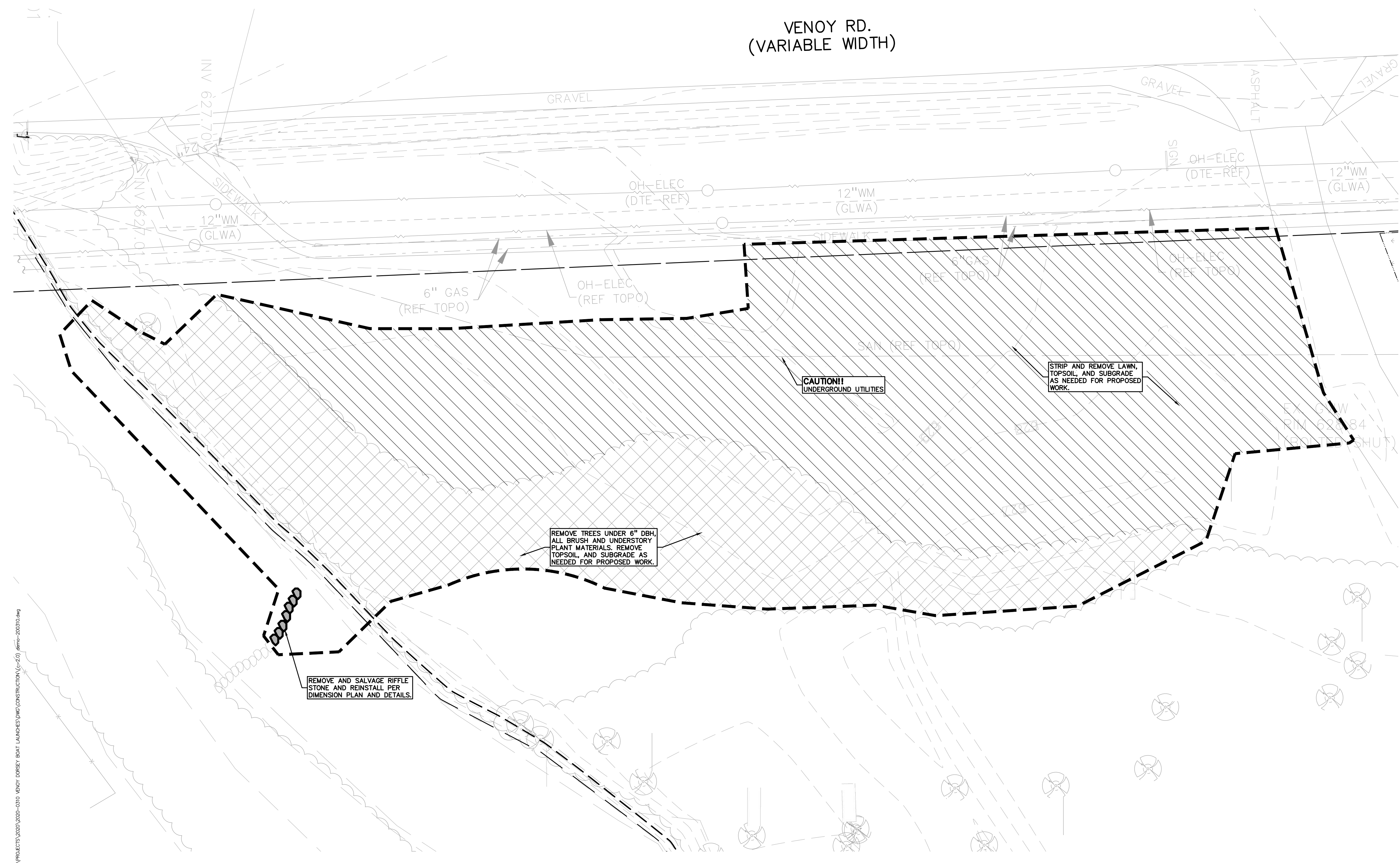
**GENERAL DEMOLITION NOTES:**

- THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT:
- ALL MATERIAL TO BE REMOVED, WHETHER SPECIFICALLY NOTED IN THE PLANS OR NOT, SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AND DISPOSED OF OFF-SITE IN A LEGAL MANNER. NO ON-SITE BURY OR BURN PITS SHALL BE ALLOWED.
  - ALL DEMOLITION WORK SHALL CONFORM TO ALL LOCAL CODES AND ORDINANCES.
  - STAGING/PHASING OF DEMOLITION AND CONSTRUCTION IS TO BE COORDINATED WITH THE OWNER AND THE CONTRACTOR PRIOR TO CONSTRUCTION.
  - SPECIFIC DEMOLITION ITEMS HAVE BEEN INDICATED ON THE PLANS AS A GUIDE TO THE GENERAL SCOPE OF THE WORK. IT IS THE INTENT THAT THESE ITEMS SHALL BE COMPLETELY REMOVED BY THE CONTRACTOR ABOVE AND BELOW GROUND, UNLESS SPECIFICALLY NOTED OTHERWISE, AND THAT DEMOLITION WILL INCLUDE BUT WILL NOT NECESSARILY BE LIMITED TO THESE ITEMS. CONTRACTOR SHALL VISIT SITE TO VERIFY EXISTING CONDITIONS AND EXTENTS OF THE DEMOLITION THAT WILL BE REQUIRED PRIOR TO SUBMITTING A BID.
  - REMOVE ALL STRUCTURES DESIGNATED FOR REMOVAL ACCORDING TO THE DEMOLITION PLAN. THIS INCLUDES FOUNDATIONS, FOOTINGS, FOUNDATION WALLS, FLOOR SLABS, UNDERGROUND UTILITIES, CONCRETE, ASPHALT, TREES, ETC.
  - REFER TO SHEET C-5.0 FOR TREE PROTECTION DETAILS.
  - THE CONTRACTOR SHALL, AS A MINIMUM, PROVIDE TREE PROTECTION FENCING AROUND EXISTING TREES TO BE SAVED THAT ARE WITHIN 15 FEET OF CONSTRUCTION ACTIVITIES AND AS INDICATED IN THE PLANS OR PER LOCAL AGENCY REQUIREMENTS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP, NOISE, DUST CONTROL, STREET SWEEPING AND HOURS OF OPERATION IN ACCORDANCE WITH THE LOCAL CODES.
  - THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BARRICADES, SIGNAGE, MARKINGS, LIGHTS AND OTHER TRAFFIC CONTROL DEVICES TO PROTECT THE WORK ZONE AND SAFELY MAINTAIN TRAFFIC PER AGENCY REQUIREMENTS AND IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
  - THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANIES TO CONFIRM THAT UTILITY LEADS HAVE BEEN TAKEN OUT OF SERVICE PRIOR TO DEMOLITION.
  - ALL BUILDING GAS LEADS, METERS AND ASSOCIATED EQUIPMENT SHALL BE REMOVED AS SHOWN ON THE PLANS. COORDINATE ALL ASSOCIATED WORK WITH THE APPROPRIATE UTILITY COMPANY.
  - REMOVE ALL OVERHEAD AND UNDERGROUND ELECTRICAL LINES WITHIN THE AREA OF CONSTRUCTION AS SHOWN ON THE PLANS. COORDINATE SHUTDOWNS AND REMOVALS WITH ELECTRICAL SERVICE PROVIDER OR THE APPROPRIATE UTILITY COMPANY. (NOTE: PHONE AND CABLE T.V. SERVICES MAY ALSO BE LOCATED ON OVERHEAD LINES.)
  - THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF SIGNS AND SUPPORTS WITHIN THE WORK AREA, AS NECESSARY TO FACILITATE CONSTRUCTION. SIGNS SHALL BE PROTECTED OR STOCKPILED FOR REUSE AS SPECIFIED IN THE PLANS OR AS REQUIRED BY THE AGENCY OF JURISDICTION. THE CONTRACTOR SHALL REPLACE ANY DAMAGED SIGNS AND SUPPORTS AT NO ADDITIONAL COST TO THE OWNER.
  - THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE 811/ONE CALL UTILITY LOCATING CENTER, THE CITY ENGINEER AND/OR THE AUTHORITY HAVING JURISDICTION 3 BUSINESS DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
  - DUE TO THE POSSIBILITY OF THE EXISTENCE OF FEDERALLY PROTECTED BAT SPECIES, COMPLETE ALL 5" CALIPER AND GREATER TREE REMOVALS REQUIRED FOR THE PROJECT BETWEEN OCTOBER 1 AND MARCH 31, PER EGLE PERMIT REQUIREMENT.

**DEMOLITION LEGEND:**

ITEM TO BE PROTECTED	⊙
CURB/FENCE REMOVAL	///////
AREA OR ITEMS TO BE REMOVED	▨
ASPHALT REMOVAL	▨
TREE REMOVAL	⊗
TREE/UNDER STORY TO BE REMOVED	⊗
SAWCUT LINE	— — — —

**VENJOY RD.  
(VARIABLE WIDTH)**



S:\PROJECTS\2020-0310 VENJOY DORSEY BOAT LAUNCHES\DWG\CONSTRUCTION\C-2.0.dwg - 20231014.dwg

TAG#	DBH	COMMON NAME	GENUS/SPECIES	STEMS	SCORE	LM	INV	SAVE / REMOVE
2487	8"	Hawthorn	Crataegus	multi				REMOVE
2823	20"	American Elm	Ulmus americana				X	REMOVE
2824	11"	American Elm	Ulmus americana					REMOVE
2825	8"	Linden	Tilia americana					REMOVE
2826	15"	Linden	Tilia americana					REMOVE
2828	11"	Black Walnut	Juglans nigra					REMOVE
2829	12"	Black Walnut	Juglans nigra					REMOVE
2830	12"	White Mulberry	Morus alba				X	REMOVE
2858	16"	Black Walnut	Juglans nigra					REMOVE
2859	19"	Box Elder	Acer negundo					REMOVE
2861	25"	Black Willow	Salix nigra	twin	40%	X		REMOVE
2862	9"	Silver Maple	Acer saccharinum					REMOVE
2883	19"	American Elm	Ulmus americana				X	REMOVE
2884	8"	Hawthorn	Crataegus					REMOVE
2885	8"	American Elm	Ulmus americana					REMOVE
2886	49"	Black Willow	Salix nigra		40%	X		REMOVE
2887	8"	Silver Maple	Acer saccharinum	twin				REMOVE
2888	12"	Box Elder	Acer negundo	twin				REMOVE
2889	18"	Black Walnut	Juglans nigra				X	REMOVE
2870	12"	White Mulberry	Morus alba				X	REMOVE
2871	13"	Black Walnut	Juglans nigra					REMOVE
2872	14"	Silver Maple	Acer saccharinum					REMOVE

**GENERAL DEMOLITION NOTES:**

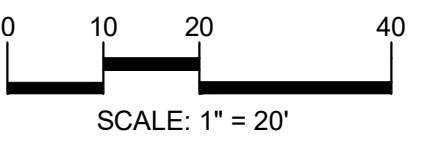
- THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT:
- ALL MATERIAL TO BE REMOVED, WHETHER SPECIFICALLY NOTED IN THE PLANS OR NOT, SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AND DISPOSED OF OFF-SITE IN A LEGAL MANNER. NO ON-SITE BURY OR BURN PITS SHALL BE ALLOWED.
  - ALL DEMOLITION WORK SHALL CONFORM TO ALL LOCAL CODES AND ORDINANCES.
  - STAGING/PHASING OF DEMOLITION AND CONSTRUCTION IS TO BE COORDINATED WITH THE OWNER AND THE CONTRACTOR PRIOR TO CONSTRUCTION.
  - SPECIFIC DEMOLITION ITEMS HAVE BEEN INDICATED ON THE PLANS AS A GUIDE TO THE GENERAL SCOPE OF THE WORK. IT IS THE INTENT THAT THESE ITEMS SHALL BE COMPLETELY REMOVED BY THE CONTRACTOR ABOVE AND BELOW GROUND, UNLESS SPECIFICALLY NOTED OTHERWISE, AND THAT DEMOLITION WILL INCLUDE BUT WILL NOT NECESSARILY BE LIMITED TO THESE ITEMS. CONTRACTOR SHALL VISIT SITE TO VERIFY EXISTING CONDITIONS AND EXTENTS OF THE DEMOLITION THAT WILL BE REQUIRED PRIOR TO SUBMITTING A BID.
  - REFER TO SHEET C-5.0 FOR TREE PROTECTION DETAILS.
  - THE CONTRACTOR SHALL, AS A MINIMUM, PROVIDE TREE PROTECTION FENCING AROUND EXISTING TREES TO BE SAVED THAT ARE WITHIN 15 FEET OF CONSTRUCTION ACTIVITIES AND AS INDICATED IN THE PLANS OR PER LOCAL AGENCY REQUIREMENTS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP, NOISE, DUST CONTROL, STREET SWEEPING AND HOURS OF OPERATION IN ACCORDANCE WITH THE LOCAL CODES.
  - THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BARRICADES, SIGNAGE, MARKINGS, LIGHTS AND OTHER TRAFFIC CONTROL DEVICES TO PROTECT THE WORK ZONE AND SAFELY MAINTAIN TRAFFIC PER AGENCY REQUIREMENTS AND IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
  - THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE 811/ONE CALL UTILITY LOCATING CENTER, THE CITY ENGINEER AND/OR THE AUTHORITY HAVING JURISDICTION 3 BUSINESS DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
  - DUE TO THE POSSIBILITY OF THE EXISTENCE OF FEDERALLY PROTECTED BAT SPECIES, COMPLETE ALL 5" CALIPER AND GREATER TREE REMOVALS REQUIRED FOR THE PROJECT BETWEEN OCTOBER 1 AND MARCH 31, PER EGLE PERMIT REQUIREMENT.

**PEA GROUP**

t: 844.813.2949  
www.peagroup.com



NORTH

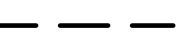


**DEMOLITION LEGEND:**

TREE REMOVAL

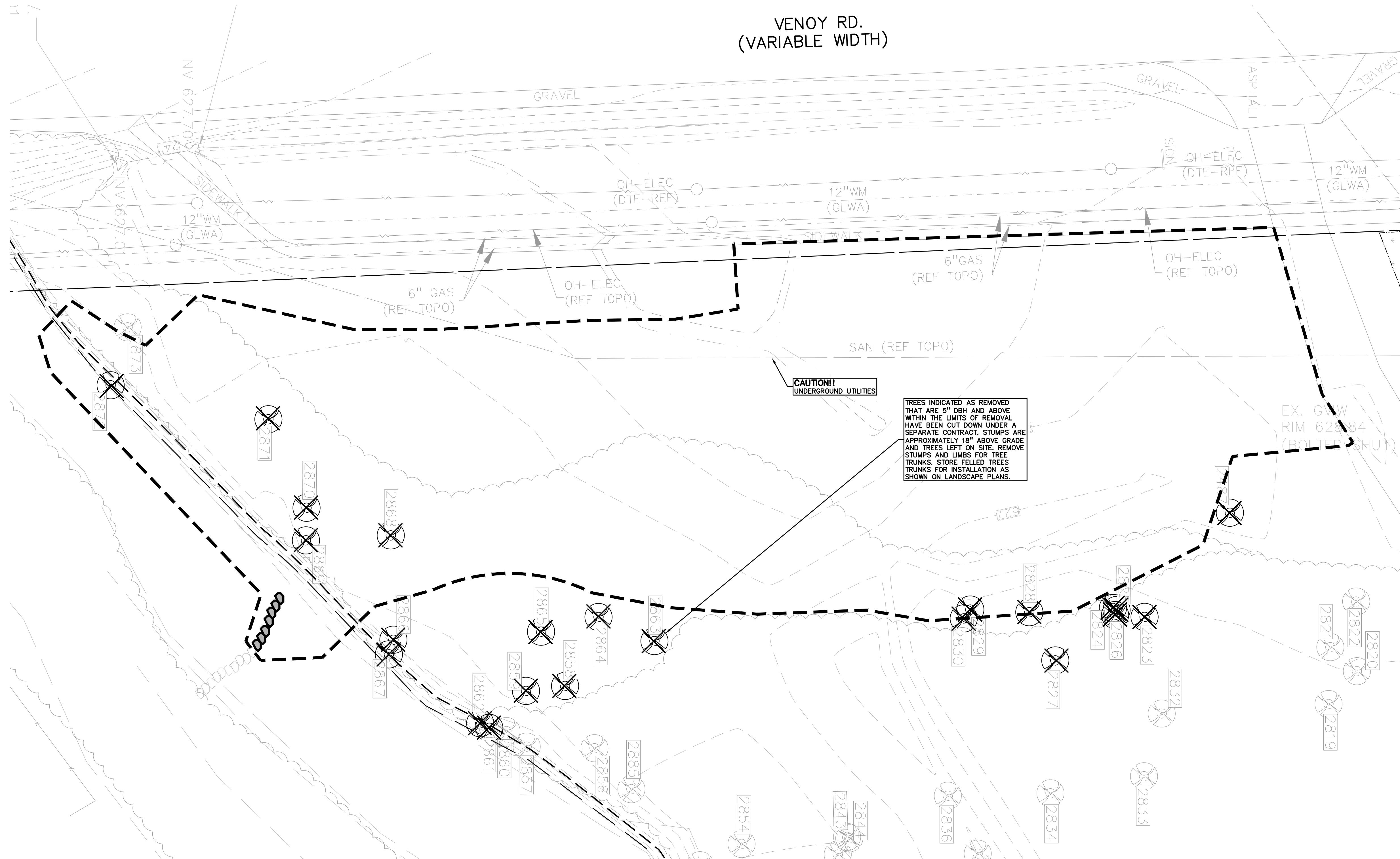


LIMITS OF TREE REMOVAL



**CAUTION!!**  
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.

**VENOY RD.  
(VARIABLE WIDTH)**



**CAUTION!!**  
UNDERGROUND UTILITIES

TREES INDICATED AS REMOVED THAT ARE 6" DBH AND ABOVE WITHIN THE LIMITS OF REMOVAL HAVE BEEN CUT DOWN UNDER A SEPARATE CONTRACT. STUMPS ARE APPROXIMATELY 18" ABOVE GRADE AND TREES LEFT ON SITE. REMOVE STUMPS AND LIMBS FOR TREE TRUNKS. STORE FELLED TREES TRUNKS FOR INSTALLATION AS SHOWN ON LANDSCAPE PLANS.

CLIENT  
**WAYNE COUNTY PARKS**  
33175 ANN ARBOR TRAIL  
WESTLAND, MI

PROJECT TITLE  
**VENOY DORSEY KAYAK LAUNCHES**  
WAYNE, MI

REVISIONS	
95% CD	10/08/21
MDNR REVIEW	02/04/22
MDNR REVISIONS	03/10/22
MDNR REVISIONS	04/25/22
WAYNE COUNTY	07/12/22
WAYNE CO. REVISIONS	10/25/22
BIDS	11/30/22
ADDENDUM #1	12/16/22
WAYNE CO. REVISIONS	01/30/23
REBID	06/05/23

ORIGINAL ISSUE DATE:  
MARCH 2, 2021  
DRAWING TITLE  
**VENOY TREE REMOVAL PLAN**

PEA JOB NO. 2020-0310  
P.M. BWJ  
DN. JRW  
DES. BWJ/JRW  
DRAWING NUMBER:

**C-2.1**

**GENERAL NOTES:**  
 THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.

1. ALL DIMENSIONS SHOWN ARE TO BACK OF CURB, FACE OF SIDEWALK, OUTSIDE FACE OF BUILDING, PROPERTY LINE, CENTER OF MANHOLE/CATCH BASIN OR CENTERLINE OF PIPE UNLESS OTHERWISE NOTED.
2. 'NO PARKING-FIRE LANE' SIGNS SHALL BE POSTED ALONG ALL FIRE LANES AS DIRECTED BY THE FIRE OFFICIAL.
3. REFER TO NOTES & DETAILS SHEET FOR ON-SITE PAVING DETAILS.
4. REFER TO NOTES & DETAILS SHEET FOR ON-SITE SIDEWALK RAMP DETAILS.
5. THE PROPOSED WORK IS LOCATED WITHIN THE ROUGE RIVER FLOODPLAIN AND THE AREA OF WORK MAY BE IMPACTED BY THE RIVER IN SIGNIFICANT RAIN EVENTS. THE CONTRACTOR IS TO TAKE APPROPRIATE PRECAUTIONS IN CONSTRUCTION SCHEDULE, STAGING, AND MEANS AND METHODS TO PROTECT THE WORK FROM DAMAGE IN HIGH WATER / FLOOD CONDITIONS.
6. PRIOR TO START OF CONSTRUCTION, CONTRACTOR TO PROVIDE CONSTRUCTION SCHEDULE FOR REVIEW BY OWNER / ENGINEER DETAILING LIMITS OF WORK PER PHASE AND SEQUENCING TO MINIMIZE POTENTIAL DAMAGE TO THE WORK FOR APPROVAL.
7. THE CONTRACTOR UNDERSTANDS AND ACKNOWLEDGES THAT THE PERFORMANCE OF THE WORK IS REQUIRED WITHIN THE ROUGE RIVER SYSTEM AND FLOODPLAIN AND THAT THE ROUGE RIVER WATER LEVEL FLUCTUATES, ROUGE RIVER HAS A VERY SHORT RESPONSE TIME TO STORMWATER RUNOFF.
8. THE CONTRACTOR UNDERSTANDS AND ACKNOWLEDGES THAT THEY HAVE TAKEN INTO ACCOUNT THE POTENTIAL FOR ANY WATER LEVEL CHANGES THAT MIGHT OCCUR IN COSTING, SCHEDULING, AND FEASIBILITY OF PERFORMING THE CONTRACT WORK UNDER THE PREVAILING ENVIRONMENTAL CONDITIONS. THE CONTRACTOR ACKNOWLEDGES THAT ANY FLUCTUATION IN THE WATER LEVELS, FLOODING, OR INUNDATION DURING/OVER THE COURSE OF THE PROJECT IS LIKELY AND DOES NOT CONSTITUTE A CHANGE IN CONDITION OR AN UNFORESEEN SITE CONDITION.
9. THE CONTRACTOR SHALL BE FULLY AWARE OF THE ROUGE RIVER HYDROLOGY AND CURRENT WEATHER CONDITIONS SO THAT WORK CAN BE SECURED AND PROTECTED AT ALL TIMES, SO THAT SAFE JOB SITE WORKING CONDITIONS ARE MAINTAINED, AND SO THAT SOIL EROSION IS CONTROLLED IN ACCORDANCE WITH ALL APPLICABLE PERMITS AND ENVIRONMENTAL LAWS.
10. THE CONTRACTOR ACKNOWLEDGES THAT DELAYS IN THE START OF, OR COMPLETION OF, WORK DUE TO FLUCTUATIONS IN WATER LEVEL THROUGHOUT THE DURATION OF THE PROJECT SHALL NOT CONSTITUTE A CHANGE IN CONDITIONS NOR SHALL BE THE BASIS FOR ANY EXTENSION OF TIME OR DAMAGES. IF THE CONTRACTOR SHALL BE UNAVOIDABLY DELAYED IN BEGINNING OR FULFILLING THE CONTRACT BY REASONS OF CHANGING WATER LEVELS, STORMS, INUNDATION OR FLOODS, THE CONTRACTOR SHALL HAVE NO VALID CLAIM FOR DAMAGES BUT SHALL, IN SUCH CASE, BE ENTITLED TO AN EXTENSION OF THE TIME AS THE ENGINEER/OWNER SHALL DEEM REASONABLE, PROVIDED THAT FORMAL CLAIM FOR AN EXTENSION OF TIME IS MADE IN WRITING BY THE CONTRACTOR WITHIN 14 DAYS OF THE ALLEGED DELAY.
11. THE ENGINEER RESERVES THE RIGHT TO SUSPEND WORK ACTIVITIES WHEN IT IS IN THE BEST INTEREST OF THE PROJECT TO DO SO DUE TO WEATHER, FLOW, OR WATER LEVEL CONDITIONS. THE DIRECTIVE TO SUSPEND WORK ACTIVITIES SHALL BE SUBMITTED TO THE CONTRACTOR, BY THE ENGINEER, IN WRITING, SUCH SUSPENSION SHALL NOT BE BASIS FOR CLAIM FOR ADDITIONAL COST BUT CAN BE BASIS FOR EXTENSION OF TIME.
12. THE CONTRACTOR SHALL RESEARCH AVAILABLE INFORMATION AND PERFORM ITS OWN INDEPENDENT INVESTIGATIONS AS NEEDED IS AN EFFORT TO FULLY UNDERSTAND ENVIRONMENTAL CONDITIONS ASSOCIATED WITH THE PROJECT SITE, THE CONTRACTOR SHALL UNDERSTAND THE SITE CONDITIONS THAT WILL AFFECT THE COST, SCHEDULE, OR PERFORMANCE OR WORK IN ADVANCE OF STARTING WORK.

VENOY RD.  
 (VARIABLE WIDTH)

**LEGEND**

● IRON FOUND	⊙ BRASS PUG SET	⊙ SEC. CORNER FOUND
⊙ IRON SET	⊙ MONUMENT SET	R RECORDED
⊙ NAIL FOUND	⊙ MONUMENT FOUND	M MEASURED
⊙ NAIL & CAP SET		C CALCULATED

**EXISTING**

- OH-ELEC-W-O- ELEC. PHONE OR CABLE TV O.H. LINE, POLE & GUY WIRE
- UG-CATV- ELEC. PHONE OR CABLE TV, CATV PEDESTAL
- UG-PHONE- TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE
- UG-ELEC- ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE
- GAS- GAS MAIN, VALVE & GAS LINE MARKER
- WATERMAN, HYD. GATE VALVE, TAPPING SLEEVE & VALVE
- SANITARY SEWER, CLEANOUT & MANHOLE
- STORM SEWER, CLEANOUT & MANHOLE
- COMBINED SEWER & MANHOLE
- SQUARE, ROUND & SERVICE CATCH BASIN, YARD DRAIN
- POST INDICATOR VALVE
- WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF
- MALIBOX, TRANSFORMER, IRRIGATION CONTROL VALVE
- UNIDENTIFIED STRUCTURE

**PROPOSED**

- SPOT ELEVATION
- CONTOUR LINE
- FENCE
- GUARD RAIL
- STREET LIGHT
- SIGN
- CONC. CONCRETE
- ASPH. ASPHALT
- GRAVEL GRAVEL SHOULDER
- WETLAND

671.21  
671

STD. HEAVY R.O.M. DUTY ONLY  
STD. HEAVY DEEP DUTY DUTY STRENGTH

**SIDEWALK RAMP LEGEND:**

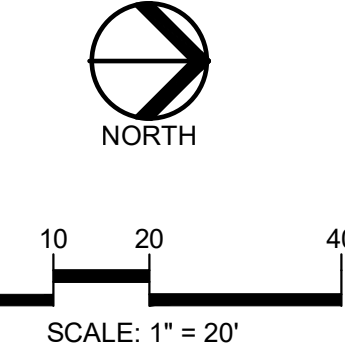
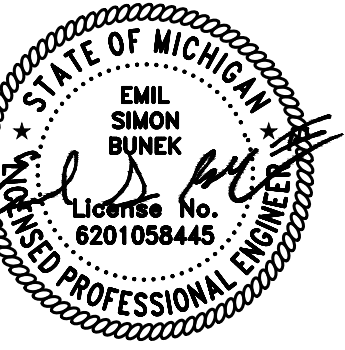
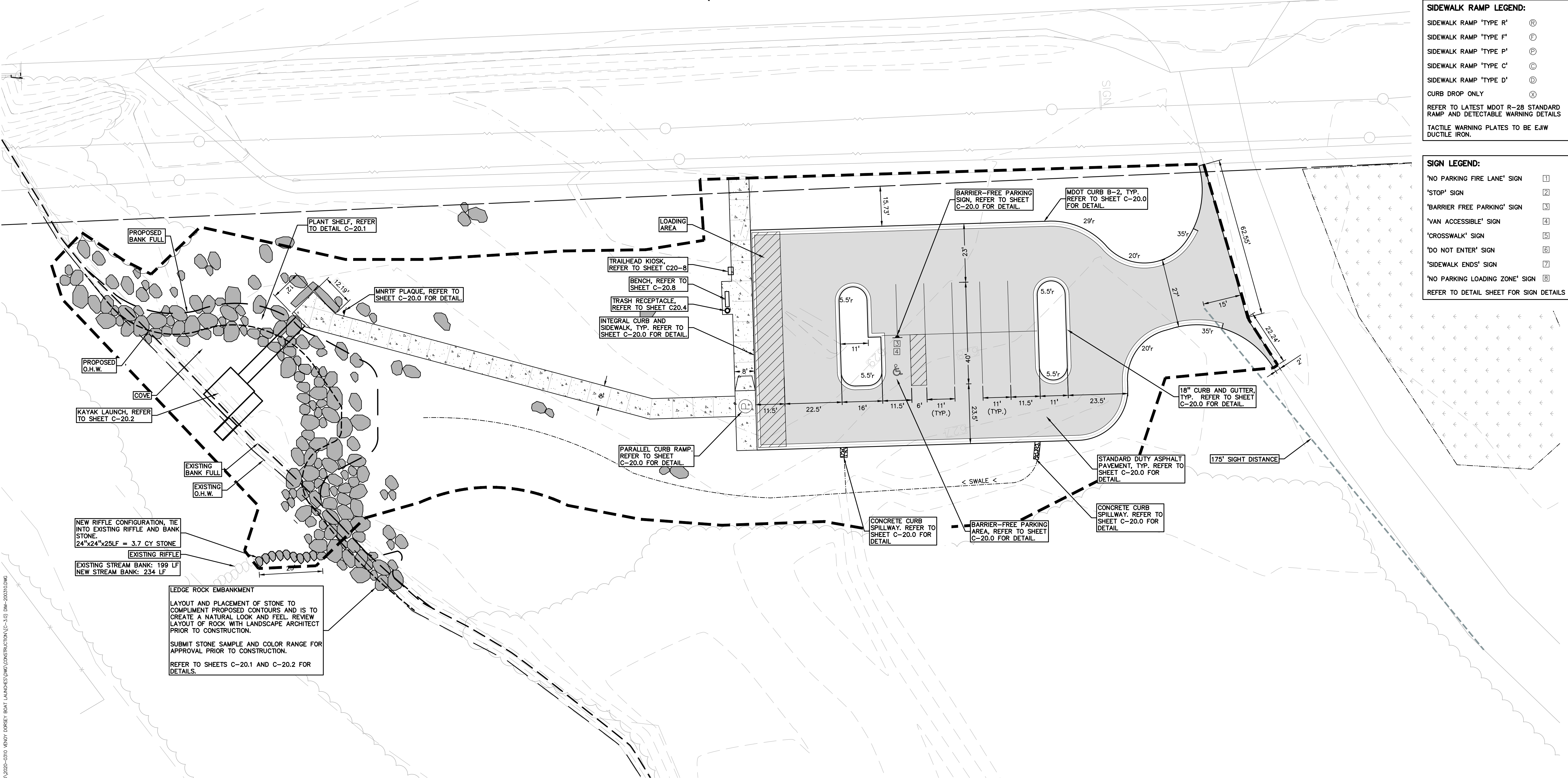
- SIDEWALK RAMP 'TYPE R' (R)
- SIDEWALK RAMP 'TYPE F' (F)
- SIDEWALK RAMP 'TYPE P' (P)
- SIDEWALK RAMP 'TYPE C' (C)
- SIDEWALK RAMP 'TYPE D' (D)
- CURB DROP ONLY (X)

REFER TO LATEST MDOT R-28 STANDARD RAMP AND DETECTABLE WARNING DETAILS  
 TACTILE WARNING PLATES TO BE E.I.W DUCTILE IRON.

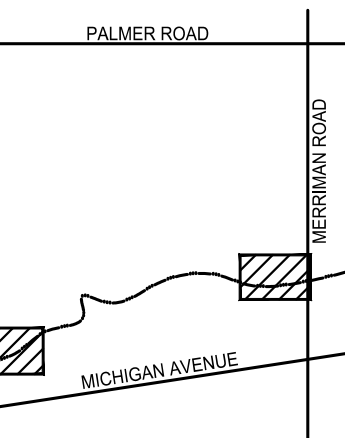
**SIGN LEGEND:**

- 'NO PARKING FIRE LANE' SIGN (1)
- 'STOP' SIGN (2)
- 'BARRIER FREE PARKING' SIGN (3)
- 'VAN ACCESSIBLE' SIGN (4)
- 'CROSSWALK' SIGN (5)
- 'DO NOT ENTER' SIGN (6)
- 'SIDEWALK ENDS' SIGN (7)
- 'NO PARKING LOADING ZONE' SIGN (8)

REFER TO DETAIL SHEET FOR SIGN DETAILS



**CAUTION!**  
 THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.



CLIENT  
**WAYNE COUNTY PARKS**  
 33175 ANN ARBOR TRAIL  
 WESTLAND, MI

PROJECT TITLE  
**VENOY DORSEY KAYAK LAUNCHES**  
 WAYNE, MI

REVISIONS	
95% CD	10/08/21
MDNR REVIEW	02/04/22
MDNR REVISIONS	03/10/22
MDNR REVISIONS	04/25/22
WAYNE COUNTY	07/12/22
WAYNE CO. REVISIONS	10/25/22
BIDS	11/30/22
ADDENDUM #1	12/16/22
WAYNE CO. REVISIONS	01/30/23
REBID	06/05/23

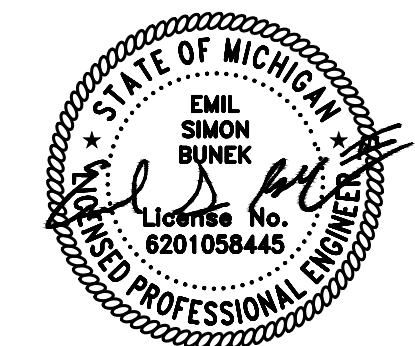
ORIGINAL ISSUE DATE:  
 MARCH 2, 2021

DRAWING TITLE  
**VENOY DIMENSIONAL AND PAVING PLAN**

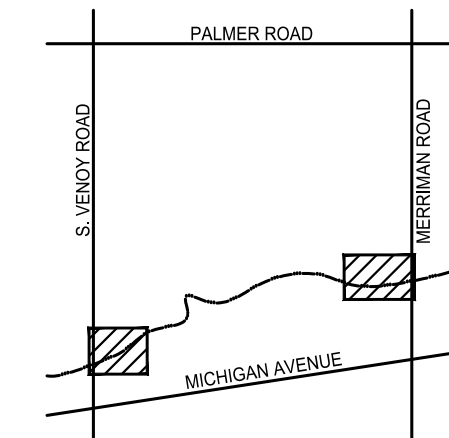
PEA JOB NO.	2020-0310
P.M.	BWJ
DN.	JRW
DES.	BWJ/JRW
DRAWING NUMBER:	

**C-3.0**

S:\PROJECTS\2020\2020-0310 VENOY DORSEY BOAT LAUNCHES\DWG\CONSTRUCTION\C-3.0 DIM-202010.dwg



**CAUTION!**  
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.



CLIENT  
**WAYNE COUNTY PARKS**  
33175 ANN ARBOR TRAIL  
WESTLAND, MI

PROJECT TITLE  
**VENOY DORSEY KAYAK LAUNCHES**  
WAYNE, MI

REVISIONS		
95% CD		10/08/21
MDNR REVIEW		02/04/22
MDNR REVISIONS		03/10/22
MDNR REVISIONS		04/25/22
WAYNE COUNTY		07/12/22
WAYNE CO. REVISIONS		10/25/22
BIDS		11/30/22
ADDENDUM #1		12/16/22
WAYNE CO. REVISIONS		01/30/23
REBID		06/05/23

ORIGINAL ISSUE DATE:  
MARCH 2, 2021

DRAWING TITLE  
**VENOY GRADING PLAN**

PEA JOB NO.	2020-0310
P.M.	BWJ
DN.	JRW
DES.	BWJ/JRW
DRAWING NUMBER:	

**C-4.0**

**LEGEND**

● IRON FOUND	● BRASS PLUG SET	● SEC. CORNER FOUND
⊗ IRON SET	⊗ MONUMENT FOUND	R RECORDED
⊗ NAIL FOUND	⊗ MONUMENT SET	M MEASURED
⊗ NAIL & CAP SET		C CALCULATED

**EXISTING**

- OH-ELEC: ELEC. PHONE OR CABLE TV OH. LINE, POLE & GUY WIRE
- UG-CATV: UNDERGROUND CABLE TV, CATV PEDESTAL
- UG-PHONE: TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE
- UG-ELEC: ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE
- WATER: WATER MAIN, VALVE & GAS LINE MARKER
- HYD: WATER MAIN, HYD. GATE VALVE, TAPPING SLEEVE & VALVE
- SEWER: SANITARY SEWER, CLEANOUT & MANHOLE
- STORM: STORM SEWER, CLEANOUT & MANHOLE
- COMB: COMBINED SEWER & MANHOLE
- SQUARE: SQUARE, ROUND & BREEVE CATCH BASIN, YARD DRAIN
- POST: POST INDICATOR VALVE
- WATER: WATER VALVE BOX/INDICATOR VALVE BOX, SERVICE SHUTOFF
- MAIL: MAILBOX, TRANSFORMER, IRRIGATION CONTROL VALVE
- UNID: UNIDENTIFIED STRUCTURE

**PROPOSED**

- SPOT ELEVATION: 671.21
- CONTOUR LINE: 671
- FENCE: FENCE
- GUARD: GUARD RAIL
- STREET: STREET LIGHT
- SIGN: SIGN
- CONC.: CONCRETE
- ASPH.: ASPHALT
- GRAVEL: GRAVEL SHOULDER
- WETLAND: WETLAND
- STD. DUTY: STD. DUTY
- HEAVY R.O.W. DUTY ONLY: HEAVY R.O.W. DUTY ONLY
- HEAVY DEEP DUTY STRENGTH: HEAVY DEEP DUTY STRENGTH

**SYMBOLS: GRADING**

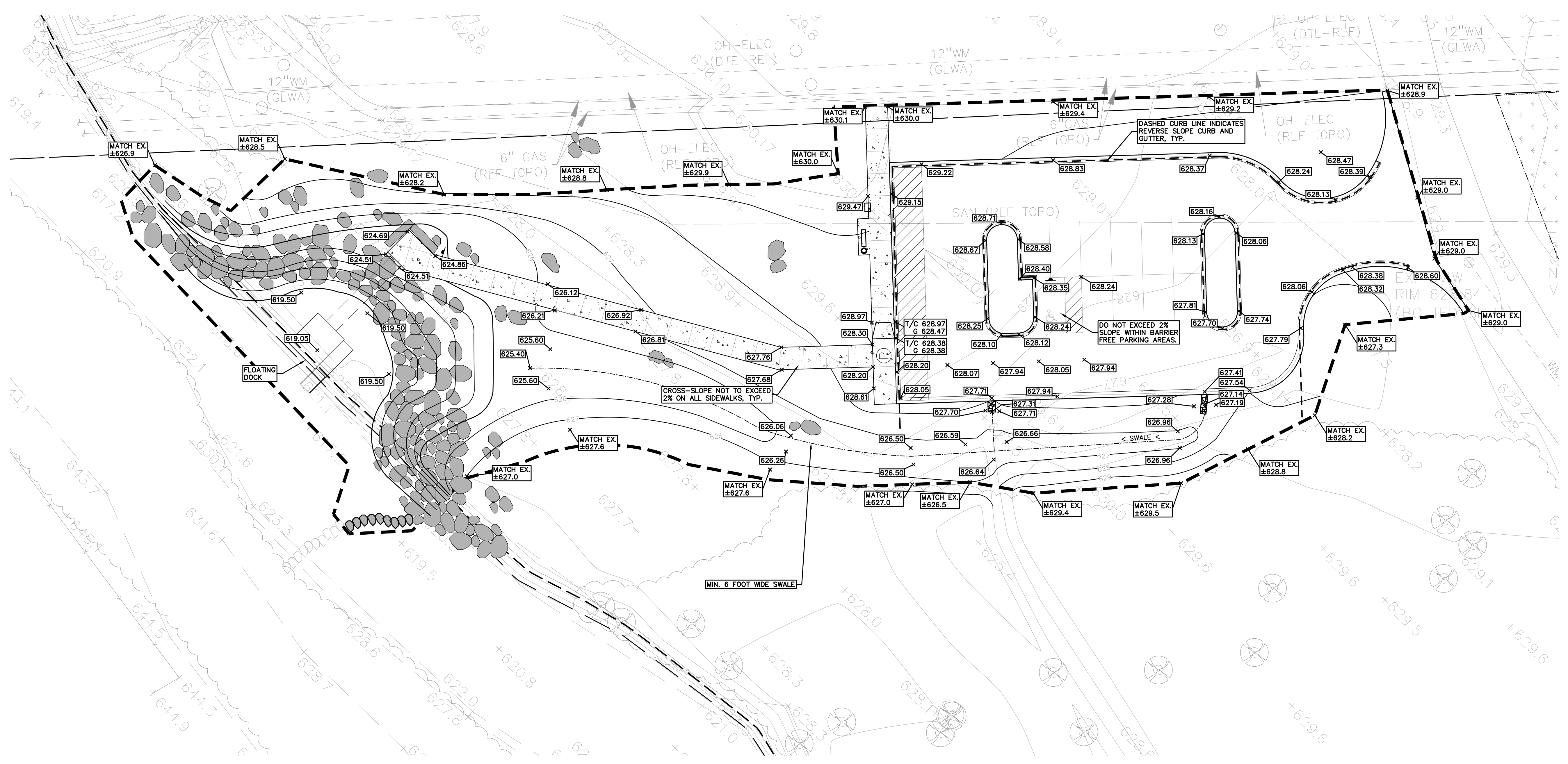
**PROPOSED SPOT ELEVATION:**  
TYPICALLY TOP OF PAVEMENT IN PAVED AREAS, GUTTER GRADE IN CURB LINES. 622.50

**PROPOSED CONTOUR LINE:** -922

**ABBREVIATIONS:**  
T/C = TOP OF CURB  
G = GUTTER GRADE  
T/P = TOP OF PAVEMENT  
T/S = TOP OF SIDEWALK  
T/W = TOP OF WALL  
B/W = BOTTOM OF WALL  
F.G. = FINISH GRADE  
RIM = RIM ELEVATION

**RETAINING WALL NOTE:**  
TOP OF WALL (T/W) AND BOTTOM OF WALL (B/W) GRADES ARE THE FINISH GRADE AT THE TOP AND BOTTOM OF THE FINISHING WALL, NOT ACTUAL TOP AND BOTTOM OF THE WALL STRUCTURE.

**EARTHWORK BALANCING NOTE:**  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING OR EXPORTING ALL MATERIALS AS REQUIRED TO PROPERLY GRADE THIS PROJECT TO THE FINISHED ELEVATIONS SHOWN ON THE APPROVED PLANS. THE CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF CUT AND FILL QUANTITIES AND ALLOW FOR REMOVAL OF EXCESS OR IMPORTATION OF ADDITIONAL MATERIAL AT NO ADDITIONAL COST TO THE OWNER.



**SEQUENCE OF CONSTRUCTION:**

- START DAY END DAY**
- 1 90 INSTALL CRUSHED CONCRETE ACCESS APPROACH AT SITE ROAD APPROACH.
  - 1 120 MAINTAIN A 25' BUFFER OF VEGETATION AROUND PERIMETER OF SITE WHERE POSSIBLE.
  - 1 15 REMOVE ALL VEGETATION, TREES AND BRUSH FROM THE PROPOSED CONSTRUCTION AREA UNLESS MARKED TO REMAIN. STRIP AND STOCKPILE TOPSOIL AS REQUIRED RESTORATION. ALL STOCKPILES MUST BE GRADED AND SEEDED.
  - 5 14 REMOVE ALL PAVEMENT, CURB, UTILITIES, ETC. AS REQUIRED TO INSTALL THE PROPOSED WORK AS SHOWN ON THE TOPOGRAPHIC SURVEY AND DEMOLITION PLAN.
  - 5 14 DISPOSE OF ALL EXCESS/UNSUITABLE MATERIALS OFF SITE IN A LEGAL MANNER. NO ON-SITE BURN OR BURY PITS ALLOWED.
  - 14 28 ROUGH GRADE SITE. SEED AND MULCH BLANKETS MUST BE INSTALLED AS SHOWN WITHIN 5 DAYS OF FINAL GRADE. REPAIR AND/OR RE-INSTALL ANY TEMPORARY SOIL EROSION CONTROL MEASURES THAT WERE DAMAGED DURING GRADING OPERATIONS.
  - 28 60 INSTALL SITE UTILITIES (STORM SEWER, SANITARY SEWER, WATER MAIN ETC.). INSTALL INLET PROTECTION AT ALL PROPOSED CATCH BASINS.
  - 28 90 TEMPORARY SEEDING MUST BE PROVIDED IN AREAS NOT TO BE WORKED ON FOR 15 DAYS OR LONGER.
  - 30 80 BEGIN CONSTRUCTION OF BUILDING.
  - 70 80 FINE GRADE SITE AND PREPARE FOR SITE PAVING OPERATIONS.
  - 80 110 INSTALL ALL PAVEMENT, SIDEWALKS, CURBING AS PROPOSED. IF PERMANENT LANDSCAPING IS NOT TO BE INSTALLED SOON AFTER PAVING IS COMPLETE, ALL AREAS WITHIN 20 FEET OF BACK OF CURB MUST BE TEMPORARILY SEEDED. REPAIR INLET PROTECTION, SILT FENCE AND ANY OTHER DAMAGED SOIL EROSION CONTROL MEASURES AS NECESSARY.
  - 90 119 FINAL GRADE, REDISTRIBUTE STOCKPILED TOPSOIL, ESTABLISH VEGETATION AND INSTALL ALL PERMANENT LANDSCAPING IN ALL DISTURBED AREAS NOT BUILT.
  - 118 120 CLEAN PAVEMENT AND REMOVE ALL TEMPORARY SOIL EROSION CONTROL MEASURES. RE-ESTABLISH VEGETATION AS REQUIRED.
  - 120 120 REMOVE SEDIMENTATION CONTROLS ONCE ENTIRE SITE HAS BEEN PERMANENTLY STABILIZED.

**GENERAL SITE CONDITIONS:**

- 1. ACCORDING TO THE GEOTECHNICAL INVESTIGATION PERFORMED BY PEA GROUP DATED SEPTEMBER 23, 2021 THE SITE GENERALLY CONSISTS OF COHESIVE SOILS WITH LAYERS OF SAND.

2. TOTAL DISTURBED AREA = ±1.20 ACRES

**SOIL EROSION CONTROL NOTES:**

- 1. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO STANDARDS AND SPECIFICATIONS OF WAYNE COUNTY.
- 2. DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR FOR EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES, AND ANY REPAIRS SHALL BE PERFORMED WITHOUT DELAY.
- 3. EROSION AND ANY SEDIMENTATION FROM WORK ON THIS SITE SHALL BE CONTAINED ON THE SITE AND NOT ALLOWED TO COLLECT ON ANY OFF-SITE AREAS OR IN WATERWAYS. WATERWAYS INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS.
- 4. CONTRACTOR SHALL APPLY TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES WHEN REQUIRED AND AS DIRECTED ON THESE PLANS. REMOVE TEMPORARY MEASURES AS SOON AS PERMANENT STABILIZATION OF SLOPES, DITCHES, AND OTHER EARTH CHANGES HAVE BEEN ACCOMPLISHED AND A CERTIFICATE OF COMPLETION HAS BEEN ISSUED BY WAYNE COUNTY FOR THE SESC PERMIT.
- 5. STAGING THE WORK SHALL BE DONE BY THE CONTRACTOR AS DIRECTED IN THESE PLANS AND AS REQUIRED TO ENSURE PROGRESSIVE STABILIZATION OF DISTURBED EARTH.
- 6. SOIL EROSION CONTROL PRACTICES SHALL BE ESTABLISHED IN EARLY STAGES OF CONSTRUCTION BY THE CONTRACTOR. SEDIMENT CONTROL PRACTICES SHALL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTING OF SILT OFF THE SITE.

**SOIL EROSION MAINTENANCE SCHEDULE AND NOTES:**

- THE CONTRACTOR SHALL INSPECT THE SOIL EROSION AND SEDIMENTATION CONTROL DEVICES ONCE EACH WEEK AND/OR WITHIN 24 HOURS OF A RAINFALL EVENT WHICH RESULTS IN A STORM WATER DISCHARGE FROM THE SITE. THE FOLLOWING STEPS SHALL BE IMPLEMENTED IF ANY DAMAGE HAS OCCURRED.
- 1. ANY DEBRIS OR DIRT ON ANY PAVED AREA RESULTING FROM CONSTRUCTION TRAFFIC SHALL BE CLEANED IN A PROMPT MANNER BY THE CONTRACTOR. THE CONSTRUCTION DRIVE SHALL BE CLEANED AT THE END OF EACH DAY.
  - 2. ALL DIRT AND MUD TRACKED ONTO PAVED AREAS SHALL BE REMOVED DAILY BY SCRAPING. STREET SWEEPING IS REQUIRED WEEKLY.
  - 3. SILT FENCE MAINTENANCE SHALL INCLUDE THE REMOVAL OF ANY BUILT UP SEDIMENT WHEN THE SEDIMENT HEIGHT ACCUMULATES TO 1/3 TO 1/2 OF THE HEIGHT OF THE FENCE. THE CONTRACTOR IS RESPONSIBLE TO REMOVE, REPLACE, RETRENCH OR REBACKFILL THE SILTATION FENCE SHOULD IT FALL OR BE DAMAGED DURING CONSTRUCTION.
  - 4. INLET FILTER MAINTENANCE SHALL INCLUDE THE REMOVAL OF ANY ACCUMULATED SILT OR OTHER DEBRIS. THE REMOVAL OF SILT SHOULD BE WITH THE USE OF A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL. IF INLET FILTERS CAN NOT BE CLEANED OR ARE DAMAGED, THEN THE FABRIC MUST BE REPLACED.
  - 5. A WATER TRUCK SHALL BE AVAILABLE TO WATER DOWN THE SITE ON A DAILY BASIS AS REQUIRED TO MAINTAIN DUST CONTROL.

**FINAL INSPECTION AND CERTIFICATE OF COMPLETION REQUIREMENTS:**

- 1. ALL ITEMS ON APPROVED SESC PLAN AND PERMIT MUST BE COMPLETED.
- 2. ALL DISTURBED EARTH MUST BE PERMANENTLY STABILIZED WITH VEGETATION OR HARD SURFACE.
- 3. ACCUMULATED SEDIMENT MUST BE REMOVED FROM THE ENTIRE STORM SEWER SYSTEM.
- 4. ACCUMULATED SEDIMENT MUST BE REMOVED FROM THE SEDIMENTATION BASIN.
- 5. ALL TEMPORARY SESC DEVICES MAY BE REMOVED AFTER CERTIFICATE OF COMPLETION.

**EROSION CONTROL QUANTITIES:**

SILT FENCE	621 LF
TURBIDITY CURTAIN	267 LF
TEMPORARY CONSTRUCTION ACCESS DRIVE	1 EA.
EROSION CONTROL BLANKETS	216 S.Y.
TEMPORARY SEEDING	3,097 S.Y.

**STREET CLEANING SCHEDULE**

	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
SCRAPE STREETS		X	X	X	X	X	X
SWEEP STREETS				X			

**LEGEND**

● IRON FOUND	⊗ BRASS PLUG SET	⊙ SEC. CORNER FOUND
⊗ IRON SET	⊗ MONUMENT FOUND	R RECORDED
⊗ NAIL FOUND	⊗ MONUMENT SET	M MEASURED
⊗ NAIL & CAP SET		C CALCULATED

**EXISTING**

- OH-ELEC-W— ELEC. PHONE OR CABLE TV OH LINE, POLE & GUY WIRE
- UG-CATV— UNDERGROUND CABLE TV, CATV PEDESTAL
- UG-PHONE— TELEPHONE U.G. CABLE, PEDESTAL & MANHOLE
- UG-ELEC— ELECTRIC U.G. CABLE, MANHOLE, METER & HANDHOLE
- GAS— GAS MAIN, VALVE & GAS LINE MANHOLE
- WATER— WATER MAIN, HYD. GATE VALVE, TAPPING BLEEVE & VALVE
- SANITARY— SANITARY SEWER, CLEANOUT & MANHOLE
- STORM— STORM SEWER, CLEANOUT & MANHOLE
- COMBINED— COMBINED SEWER & MANHOLE
- SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN
- POST INDICATOR VALVE
- WATER VALVE BOX/HYDRANT VALVE BOX, SERVICE SHUTOFF
- MANHOLE, TRANSFORMER, IRRIGATION CONTROL VALVE
- UNIDENTIFIED STRUCTURE
- SPOT ELEVATION
- CONTOUR LINE
- FENCE
- GUARD RAIL
- STREET LIGHT
- SIGN

**PROPOSED**

- CONC. CONCRETE
- ASPH. ASPHALT
- GRAVEL GRAVEL SHOULDER
- WETLAND

310 HEAVY FOOT DUTY ONLY

310 HEAVY DEEP DUTY STRENGTH

670 671

**PEA GROUP**

t: 844.813.2949  
www.peagroup.com



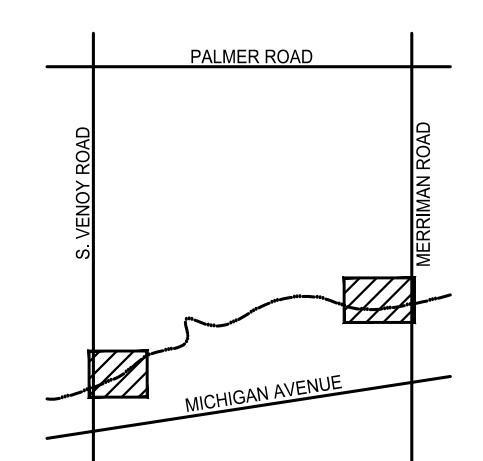
**NORTH**

0 10 20 40

SCALE: 1" = 20'

**811** Know what's below. Call before you dig.

**CAUTION!**  
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.



**CLIENT**  
**WAYNE COUNTY PARKS**  
33175 ANN ARBOR TRAIL  
WESTLAND, MI

**PROJECT TITLE**  
**VENYO DORSEY KAYAK LAUNCHES**  
WAYNE, MI

**REVISIONS**

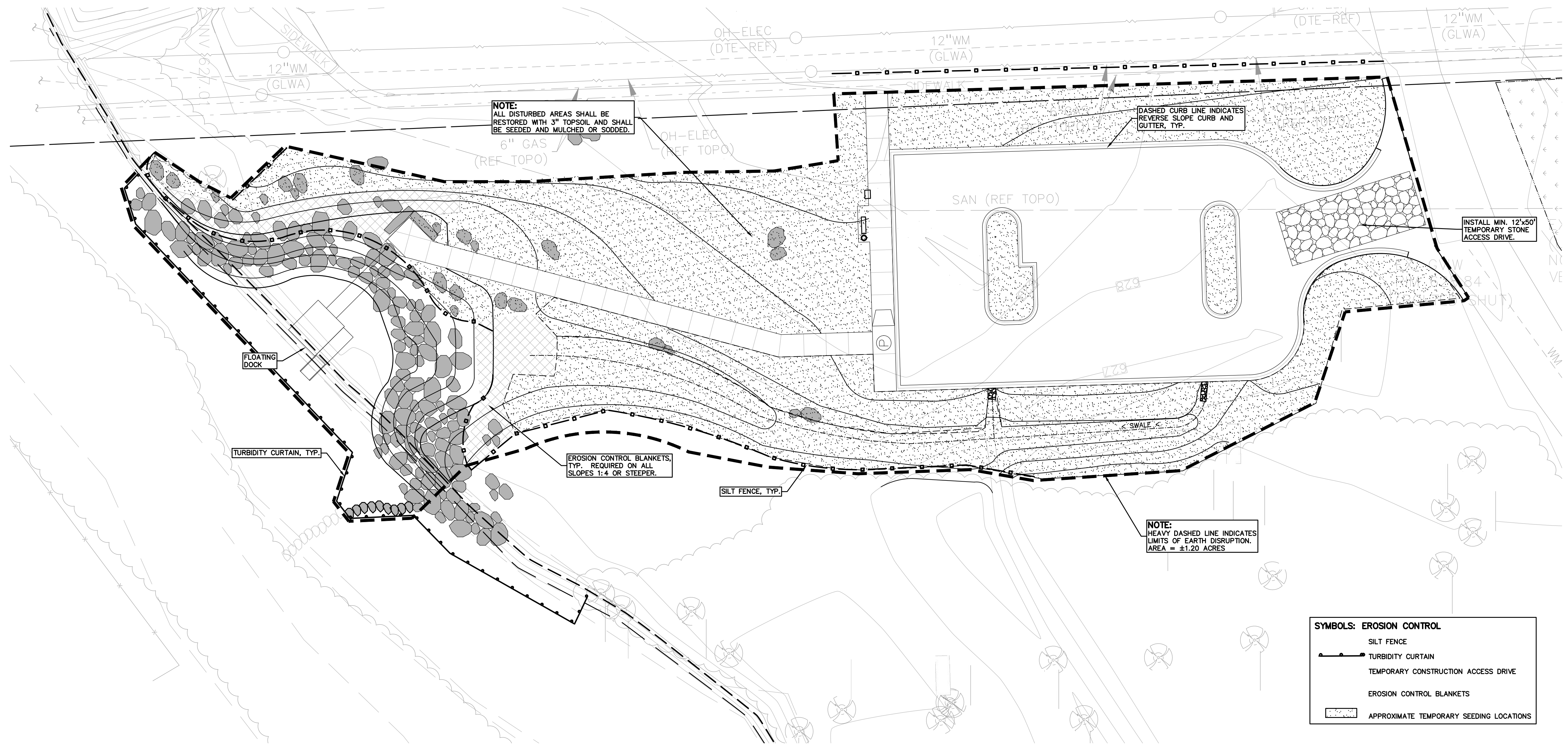
95% CD	10/08/21
MDNR REVIEW	02/04/22
MDNR REVISIONS	03/10/22
MDNR REVISIONS	04/25/22
WAYNE COUNTY	07/12/22
WAYNE CO. REVISIONS	10/25/22
BIDS	11/30/22
ADDENDUM #1	12/16/22
WAYNE CO. REVISIONS	01/30/23
REBID	06/05/23

ORIGINAL ISSUE DATE:  
MARCH 2, 2021

DRAWING TITLE  
**VENYO SOIL EROSION AND SEDIMENTATION CONTROL**

PEA JOB NO. 2020-0310  
P.M. BWJ  
DN. JRW  
DES. BWJ/JRW  
DRAWING NUMBER:

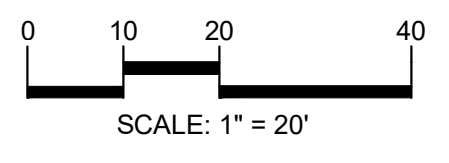
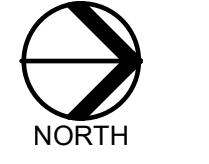
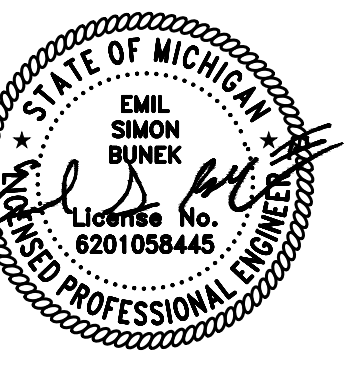
**C-5.0**



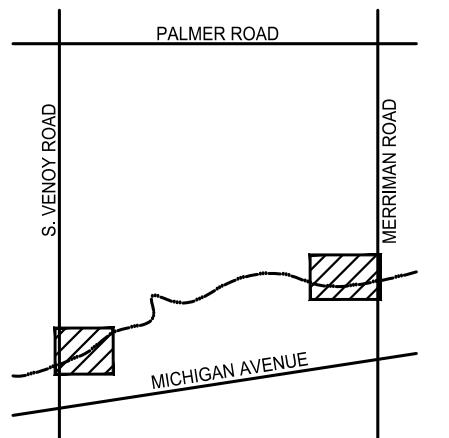
**SYMBOLS: EROSION CONTROL**

- SILT FENCE
- TURBIDITY CURTAIN
- TEMPORARY CONSTRUCTION ACCESS DRIVE
- EROSION CONTROL BLANKETS
- APPROXIMATE TEMPORARY SEEDING LOCATIONS

S:\PROJECTS\2020\2020-0310 VENYO DORSEY BOAT LAUNCHES\DWG\CONSTRUCTION\C-5.0.dwg (REV: 202310) dwg



**CAUTION!**  
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.



CLIENT  
**WAYNE COUNTY PARKS**  
33175 ANN ARBOR TRAIL  
WESTLAND, MI

PROJECT TITLE  
**VENOY DORSEY KAYAK LAUNCHES**  
WAYNE, MI

REVISIONS	
95% CD	10/08/21
MDNR REVIEW	02/04/22
MDNR REVISIONS	03/10/22
MDNR REVISIONS	04/25/22
WAYNE COUNTY	07/12/22
WAYNE CO. REVISIONS	10/25/22
BIDS	11/30/22
ADDENDUM #1	12/16/22
WAYNE CO. REVISIONS	01/30/23
REBID	06/05/23

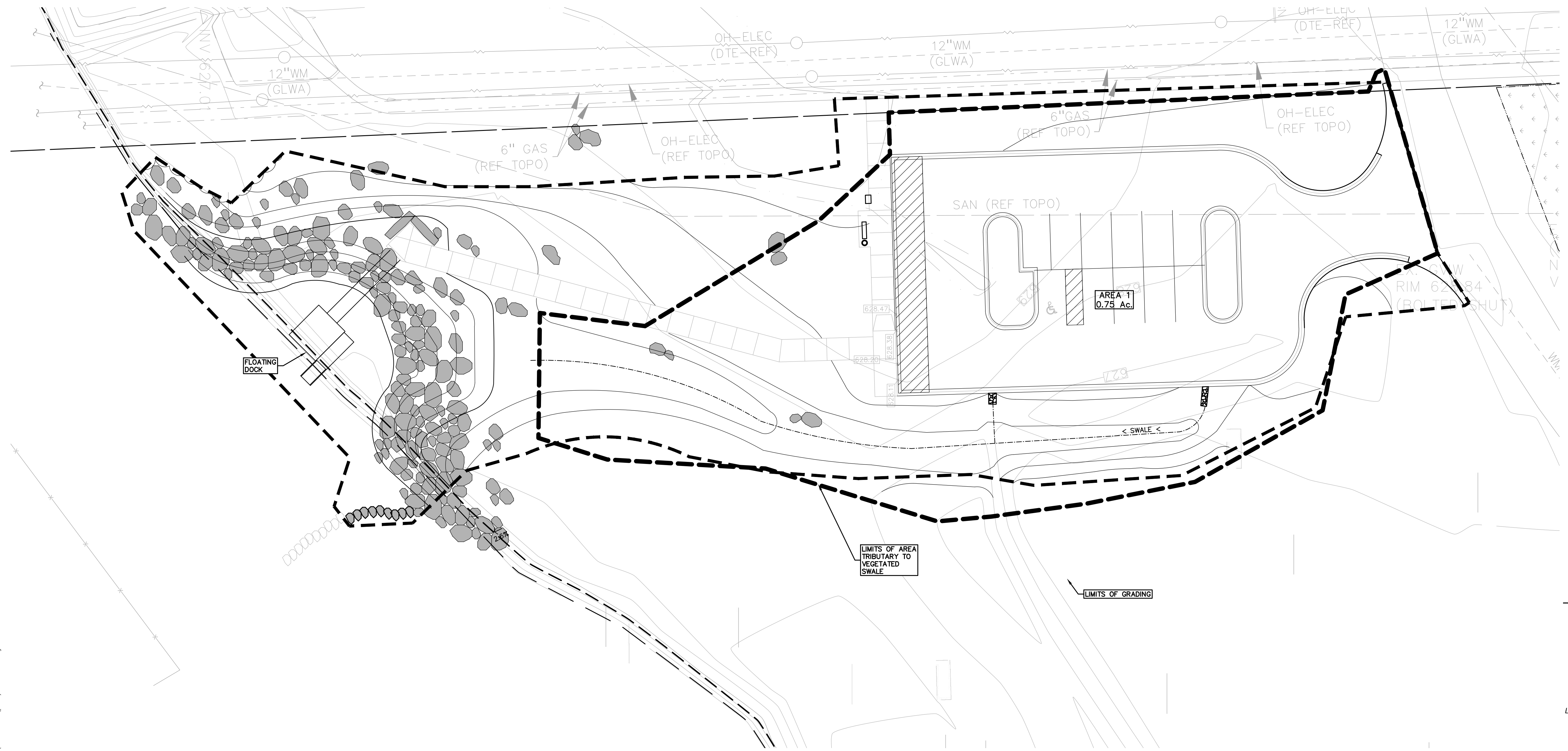
ORIGINAL ISSUE DATE:  
MARCH 2, 2021

DRAWING TITLE  
**VENOY DRAINAGE PLAN**

PEA JOB NO.	2020-0310
P.M.	BWJ
DN.	JRW
DES.	BWJ/JRW
DRAWING NUMBER:	

**C-6.0**

LEGEND	
IRON FOUND	BRASS PLUG SET
IRON SET	MONUMENT FOUND
NAIL FOUND	MONUMENT SET
NAIL & CAP SET	SEC. CORNER FOUND
EXISTING OH-ELEC	PROPOSED OH-ELEC
EXISTING UG-CATV	PROPOSED UG-CATV
EXISTING UG-PHONE	PROPOSED UG-PHONE
EXISTING UG-ELEC	PROPOSED UG-ELEC
EXISTING WATERMAN, HYD. GATE VALVE, TAPPING SLEEVE & VALVE	PROPOSED WATERMAN, HYD. GATE VALVE, TAPPING SLEEVE & VALVE
EXISTING SANITARY SEWER, CLEANOUT & MANHOLE	PROPOSED SANITARY SEWER, CLEANOUT & MANHOLE
EXISTING STORM SEWER, CLEANOUT & MANHOLE	PROPOSED STORM SEWER, CLEANOUT & MANHOLE
EXISTING COMBINED SEWER & MANHOLE	PROPOSED COMBINED SEWER & MANHOLE
EXISTING SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN	PROPOSED SQUARE, ROUND & BEEHIVE CATCH BASIN, YARD DRAIN
EXISTING POST INDICATOR VALVE	PROPOSED POST INDICATOR VALVE
EXISTING WATER VALVE, BOX, HYDRANT VALVE BOX, SERVICE SHUT-OFF	PROPOSED WATER VALVE, BOX, HYDRANT VALVE BOX, SERVICE SHUT-OFF
EXISTING MANHOLE, TRANSFORMER, IRRIGATION CONTROL VALVE	PROPOSED MANHOLE, TRANSFORMER, IRRIGATION CONTROL VALVE
EXISTING UNDERSIZED STRUCTURE	PROPOSED UNDERSIZED STRUCTURE
SPOT ELEVATION	PROPOSED SPOT ELEVATION
CONTOUR LINE	PROPOSED CONTOUR LINE
FENCE	PROPOSED FENCE
GUARD RAIL	PROPOSED GUARD RAIL
STREET LIGHT	PROPOSED STREET LIGHT
SIGN	PROPOSED SIGN
CONCRETE	PROPOSED CONCRETE
ASPHALT	PROPOSED ASPHALT
GRAVEL SHOULDER	PROPOSED GRAVEL SHOULDER
WETLAND	PROPOSED WETLAND



LEVEL SPREADER SIZING	
Q=CIA	
C	0.57
I (100-YR)	7.43 in/hr
A	0.75 acres
Q	3.18 cfs
$L=Q/3.367(H^{1/3}/2)$	
H	0.26 ft
<i>H is design water depth in swale</i>	
L	5.84 ft
<i>L is required swale width, minimum provided swale width is 6 ft</i>	
v=Q/A	
v	2.04 ft/sec
<i>Non-erosive velocity is achieved</i>	



PERENNIAL PLANT LIST:					
QUANTITY	KEY SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	SPEC
43	CS	Common Tussock Sedge	<i>Carex stricta</i>	1 Gal.	Cont.
17	CV	Brown Fox Sedge	<i>Carex vulpinoidea</i>	1 Gal.	Cont.
25	EP	Pale Purple Coneflower	<i>Echinacea pallida</i>	1 Gal.	Cont.
34	PV	Obedient Plant	<i>Physostegia virginiana</i>	1 Gal.	Cont.
24	RF	Black-Eyed Susan	<i>Rudbeckia fulgida var. sulivantii 'Goldsturm'</i>	1 Gal.	Cont.
51	SC	Wool Grass	<i>Scirpus cyperinus</i>	2 Gal.	Cont.
41	SN	New England Aster	<i>Symphotrichum novae-angliae</i>	2 Gal.	Cont.
235	TOTAL PER.				

DECIDUOUS TREE PLANT LIST:					
QUANTITY	KEY SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	SPEC
7	AL2.5	Serviceberry	<i>Amelanchier laevis</i>	2.5" Cal.	B&B
1	BN8	River Birch	<i>Betula nigra</i>	8" Ht.	B&B
9	LT2.5	Tulip Tree	<i>Liriodendron tulipifera</i>	2.5" Cal.	B&B
4	QB2.5	Swamp White Oak	<i>Quercus bicolor</i>	2.5" Cal.	B&B
21	TOTAL DEC.				

SHRUB PLANT LIST:					
QUANTITY	KEY SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	SPEC
14	AB24	Red Chokeberry	<i>Aronia arbutifolia 'Brilliantissima'</i>	24" Ht.	Cont.
32	CS24	Dwarf Red Twig Dogwood	<i>Cornus sericea 'Kelsey'</i>	24" Ht.	Cont.
2	HA6	Arnold Promise Witchhazel	<i>Hamamelis x intermedia 'Arnold Promise'</i>	6' Ht.	Cont.
28	IV36	Winter Red Winterberry	<i>Ilex verticillata 'Winter Red'</i>	36" Ht.	Cont.
50	PO30	Tiny Wine Ninebark	<i>Physocarpus opulifolius 'Tiny Wine'</i>	30" Ht.	Cont.
41	RA24	Gro Low Sumac	<i>Rhus aromatica 'Gro-Low'</i>	24" Ht.	Cont.
46	VR36	Leatherleaf Viburnum	<i>Viburnum rhytidophyllum</i>	36" Ht.	Cont.
213	TOTAL SHRUBS				

**KEY:**

- = ORNAMENTAL TREES
- = LANDSCAPING ADJ. TO ROAD
- = SHRUBS
- = PERENNIALS
- = NON-IRRIGATED SEED LAWN
- = STORMWATER SEED MIX
- = ECONOMY PRAIRIE SEED MIX
- = EXISTING TREES TO REMAIN WITH TREE PROTECTION FENCE

**PEA GROUP**  
t: 844.813.2949  
www.peagroup.com

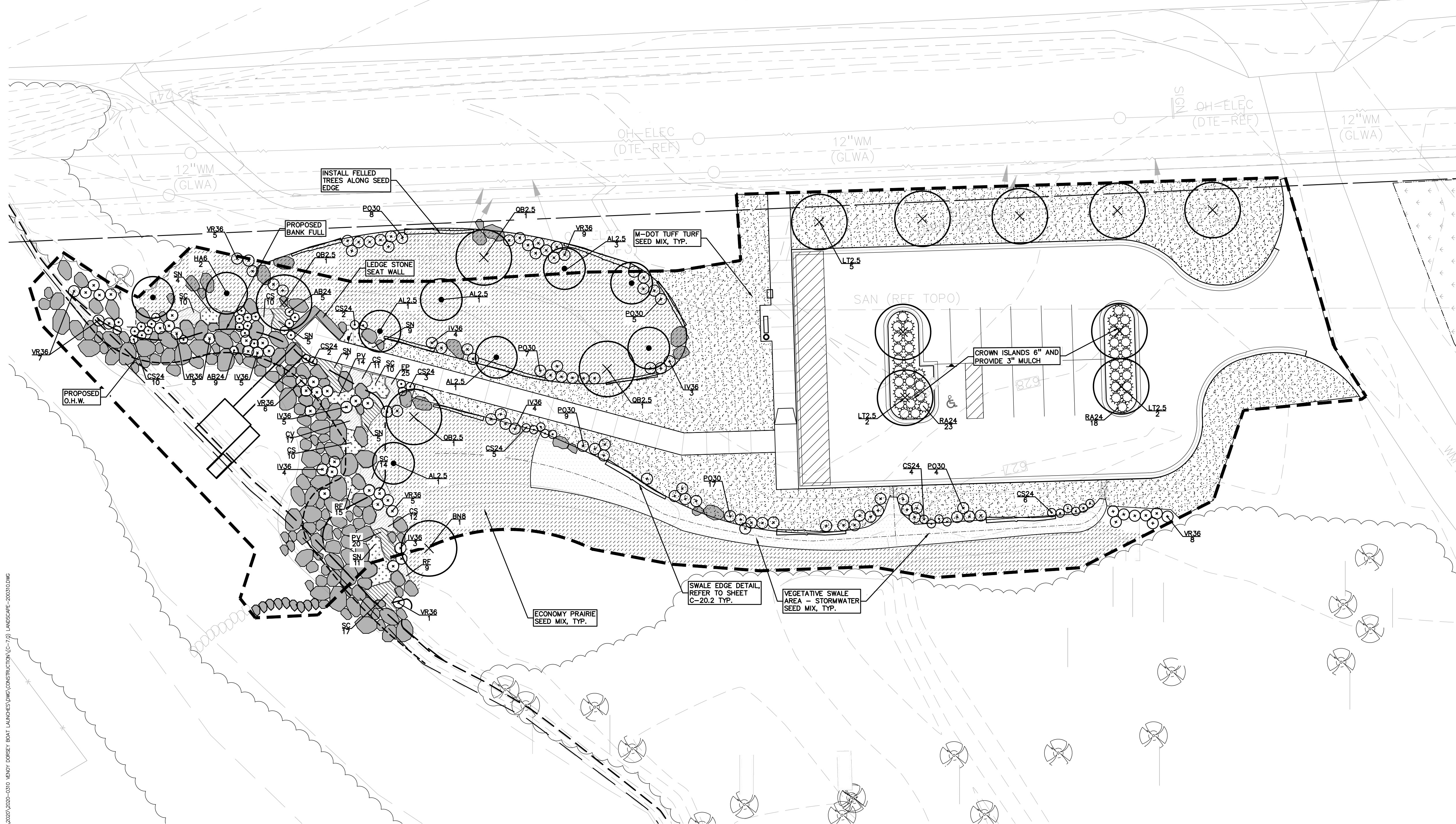
**BURKE JENKINS**  
LANDSCAPE ARCHITECT  
No. 3901001359

**NORTH**

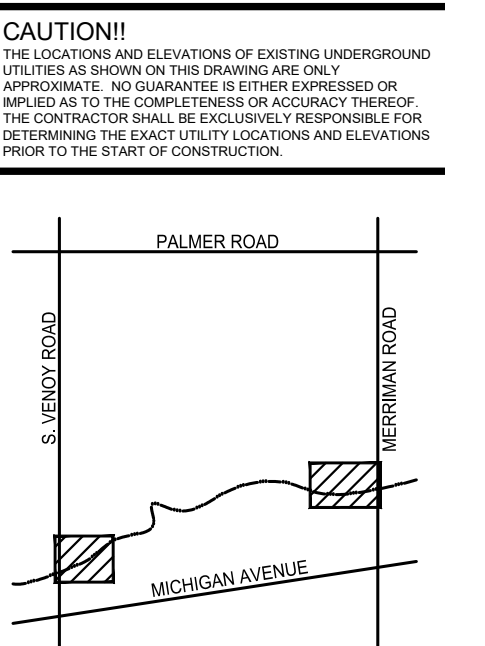
0 10 20 40  
SCALE: 1" = 20'

**811** Know what's below. Call before you dig.

VENOY RD.  
(VARIABLE WIDTH)



- GENERAL PLANTING NOTES:**
- LANDSCAPE CONTRACTOR SHALL VISIT SITE, INSPECT EXISTING SITE CONDITIONS AND REVIEW PROPOSED PLANTING AND RELATED WORK. IN CASE OF DISCREPANCY BETWEEN PLAN AND PLANT LIST, PLAN SHALL GOVERN QUANTITIES. CONTACT LANDSCAPE ARCHITECT WITH ANY CONCERNS.
  - CONTRACTOR SHALL VERIFY LOCATIONS OF ALL ON SITE UTILITIES PRIOR TO BEGINNING CONSTRUCTION ON HIS/HER PHASE OF WORK. ELECTRIC, GAS, TELEPHONE, CABLE TELEVISION MAY BE LOCATED BY CALLING MISS DIG 1-800-482-7171. ANY DAMAGE OR INTERRUPTION OF SERVICES SHALL BE THE RESPONSIBILITY OF CONTRACTOR. CONTRACTOR SHALL COORDINATE ALL RELATED ACTIVITIES WITH OTHER TRADES ON THE JOB AND SHALL REPORT ANY UNACCEPTABLE JOB CONDITIONS TO OWNER'S REPRESENTATIVE PRIOR TO COMMENCING.
  - ALL PLANT MATERIAL TO BE PREMIUM GRADE NURSERY STOCK AND SHALL SATISFY AMERICAN ASSOCIATION OF NURSERYMEN STANDARD FOR NURSERY STOCK. ALL LANDSCAPE MATERIAL SHALL BE NORTHERN GROWN, NO. 1. GRADE.
  - CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON LANDSCAPE PLAN PRIOR TO PRICING THE WORK.
  - THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL NOT MEETING SPECIFICATIONS.
  - ALL SINGLE STEM SHADE TREES TO HAVE STRAIGHT TRUNKS AND SYMMETRICAL CROWNS.
  - ALL SINGLE TRUNK SHADE TREES TO HAVE A CENTRAL LEADER; TREES WITH FORKED OR IRREGULAR TRUNKS WILL NOT BE ACCEPTED.
  - ALL MULTI STEM TREES SHALL BE HEAVILY BRANCHED AND FULL TO THE GROUND, SYMMETRICAL IN SHAPE AND NOT SHEARED FOR THE LAST FIVE GROWING SEASONS.
  - ALL EVERGREEN TREES SHALL BE HEAVILY BRANCHED AND FULL TO THE GROUND, SYMMETRICAL IN SHAPE AND NOT SHEARED FOR THE LAST FIVE GROWING SEASONS.
  - ALL TREES TO HAVE CLAY OR CLAY LOAM BALLS. TREES WITH SAND BALLS WILL BE REJECTED.
  - NO MACHINERY IS TO BE USED WITHIN THE DRIP LINE OF EXISTING TREES; HAND GRADE ALL LAWN AREAS WITHIN THE DRIP LINE OF EXISTING TREES.
  - ALL TREE LOCATIONS SHALL BE STAKED BY LANDSCAPE CONTRACTOR AND ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF THE PLANT MATERIAL.
  - IT IS MANDATORY THAT POSITIVE DRAINAGE IS PROVIDED AWAY FROM ALL BUILDINGS.
  - ALL PLANTING BEDS SHALL RECEIVE 3" SHREDDED HARDWOOD BARK MULCH WITH PRE EMERGENT, SEE SPECIFICATIONS. SHREDDED PALETTE AND DYED MULCH WILL NOT BE ACCEPTED.
  - ALL LANDSCAPED AREAS SHALL RECEIVE 3" COMPACTED TOPSOIL.
  - SEE SPECIFICATIONS FOR ADDITIONAL COMMENTS, REQUIREMENTS, PLANTING PROCEDURES AND WARRANTY STANDARDS.
  - PERENNIAL AND SHRUB LOCATIONS MAY VARY FROM THE PLAN IN THE LEDGE STONE EMBANKMENT AREA. VERIFY WITH LANDSCAPE ARCHITECT AFTER EMBANKMENT CONSTRUCTION AND PRIOR TO PLANTING.



CLIENT  
**WAYNE COUNTY PARKS**  
33175 ANN ARBOR TRAIL  
WESTLAND, MI

PROJECT TITLE  
**VENOY DORSEY KAYAK LAUNCHES**  
WAYNE, MI

REVISIONS	
95% CD	10/08/21
MDNR REVIEW	02/04/22
MDNR REVISIONS	03/10/22
MDNR REVISIONS	04/25/22
WAYNE COUNTY	07/12/22
WAYNE CO. REVISIONS	10/25/22
BIDS	11/30/22
ADDENDUM #1	12/16/22
WAYNE CO. REVISIONS	01/30/23
REBID	06/05/23

ORIGINAL ISSUE DATE:  
MARCH 2, 2021

DRAWING TITLE  
**VENOY LANDSCAPE PLAN**

PEA JOB NO.	2020-0310
P.M.	BWJ
DN.	JRW
DES.	BWJ/JRW
DRAWING NUMBER:	

**C-7.0**

S:\PROJECTS\2020\2020-0310 VENOY DORSEY BOAT LAUNCHES\DWG\CONSTRUCTION\C-7.0 LANDSCAPE-2020.DWG