

ACME TOWNSHIP PLANNING COMMISSION MEETING ACME TOWNSHIP HALL 3593 Bunker Hill Rd, Williamsburg MI 49690 (Former Acme Laundromat at US-31 & Bunker Hill Rd) May 21st, 2019 7:00 p.m.

CALL TO ORDER WITH PLEDGE OF ALLEGIANCE at 7:00 PM

ROLL CALL: Members present: K. Wentzloff (Chair), S. Feringa (Vice Chair), D. Rosa, D. VanHouten, B. Balentine, D. White
Members excused: M. Timmins
Staff present: S. Winter, Planning & Zoning Administrator, V. Donn, Recording Secretary

A. LIMITED PUBLIC COMMENT: Open at 7:01 pm

Brian Kelley, 4893 Ridge Crest (Submitted written comments to be added to packet)

Richard Rudlaff, 12701 Mastique Beach Blvd., Fort Myers, Fl.

Limited Public Comment closed at 7:07 pm

- B. APPROVAL OF AGENDA: Motion by Feringa to approve agenda as presented, supported by White. Motion carried unanimously.
- C. INQUIRY AS TO CONFLICTS OF INTEREST: None
- D. SPECIAL PRESENTATIONS: None
- E. CONSENT CALENDAR:
 - 1. **RECEIVE AND FILE:** none
 - 2. ACTION: none
- F. ITEMS REMOVED FROM THE CONSENT CALENDAR: None
- G. CORRESPONDENCE: None
- H. **PUBLIC HEARINGS:** None
- I. OLD BUSINESS: None

J. NEW BUSINESS:

1. SUP 2019-01 Minor Amendment for Flintfields Horse Park (PZR 2019-08)

Winter explained this is an application from Flintfield for a minor amendment to a special use permit to shift two existing show rings and adding an adjacent warmup ring. The shift would cause the rings to encroach into the existing drainage basin for the property, so this calls for refiguring and enlarging the basin. Additionally, it is for a new pavilion to be approved under the standards of the Zoning Ordinance. The Pavilion had been constructed without prior approval. Gosling-Czubak has reviewed the proposed changes to the previously approved use, to include the reconfiguring of the arena layout and verified the plans are consistent with modifications of adding 8,778 cubic feet to the stormwater basin to increase to 20,095 cubic feet. A Soil Erosion and Sedimentation Control Permit has been submitted and reviewed. There is correspondence from Grand Traverse Metro Fire Department that they have received a copy of the site plans for review and are also working on emergency access for areas around the site with Dusty Christensen from Mansfield Land Use Consultants in Traverse City, a consultant for the horse show. Winter suggested the horse show do a master plan of future uses and any changes that will be done.

Motion by Balentine to approve Special Use Permit minor amendment application SUP 2019-01, submitted by Mansfield Land Use Consultants, on behalf of Traverse City Horseshows LLC, to shift two existing show rings, construct a warmup ring adjacent, to add a pavilion over an existing spectator viewing area, and to reconstruct the storm water drainage basin as necessary and indicated on the submitted site plans, for the Great Lakes Equestrian Festival operated at Flintfields Horse Park, 6535 Bates Rd, Williamsburg, MI 49690, with the following conditions that must be met prior to issuing a land use permit: Submit approval of the site plan by the Grand Traverse Metro Fire Department, and the final set of site plan drawings be updated to reflect the applicable conditions, stamped by a licensed engineer, architect, or landscape architect, and signed by the Planning Commission Chair and Applicant, supported by White. Motion carried unanimously.

K. PUBLIC COMMENT & OTHER PC BUSINESS: Opened at 7:35 pm Brian Kelley, 4893 Ridge Crest

Public Comment closed at 7:38 pm

- Planning & Zoning Administrator Report Shawn Winter Winter reported Lindsey Wolf will be the new Planning & Zoning Administrator and is starting June 17. She has a background in zoning and planning.
- 2. Township Board Report Doug White: No report
- **3. Parks & Trails Committee Report**: Wentzloff reported the Bayside Park dedication was held and it was announced Iron Belle Trail Fund pledged to match half of what is needed for the Tart Trail if the DNR Trust Fund Grant is received. Winter informed the board approved and signed the application for the Tribal 2% Grant for estimated \$39,000 to go towards trails amenities.

ADJOURN: Motion by Balentine to adjourn, seconded by VanHouten. Meeting adjourned at 7:42 pm



ACME TOWNSHIP PLANNING COMMISSION MEETING ACME TOWNSHIP HALL 3593 Bunker Hill Rd, Williamsburg MI 49690 (Former Acme Laundromat at US-31 & Bunker Hill Rd) May 21st, 2019 7:00 p.m.

CALL TO ORDER WITH PLEDGE OF ALLEGIANCE

ROLL CALL:

- A. LIMITED PUBLIC COMMENT: Members of the public may address the Commission regarding any subject of community interest during public comment periods by filling out a Public Comment Card and submitting it to the Secretary. Public comments are limited to three minutes per individual. Comments during other portions of the agenda may or may not be entertained at the moderator's discretion
- **B.** APPROVAL OF AGENDA:
- C. INQUIRY AS TO CONFLICTS OF INTEREST:
- D. SPECIAL PRESENTATIONS:
- E. CONSENT CALENDAR: The purpose of the consent calendar is to expedite business by grouping noncontroversial items together for one Commission motion without discussion. A request to remove any item for discussion later in the agenda from any member of the Commission, staff or public shall be granted.
 - 1. **RECEIVE AND FILE:** none
 - 2. ACTION: none
- F. ITEMS REMOVED FROM THE CONSENT CALENDAR
 - 1. _____
- G. CORRESPONDENCE:
- H. PUBLIC HEARINGS:
- I. OLD BUSINESS:
- J. NEW BUSINESS:
 - 1. SUP 2019-01 Minor Amendment for Flintfields Horse Park (PZR 2019-08)
- K. PUBLIC COMMENT & OTHER PC BUSINESS
 - 1. Planning & Zoning Administrator Report Shawn Winter
 - 2. Township Board Report Doug White
 - 3. Parks & Trails Committee Report Marcie Timmins
- ADJOURN:

To: Acme Township Planning Commission From: Brian Kelley

Date: May 21, 2019

Good evening,

Over the years I have watched Acme township bend over backwrads to work with the Flint Fields. The zoning ordinance was even modified to accomodate the events. So it is strange that construction would occur without township approval. Why would that happen, when we all know the township would accomodate the site?

There is a branch of Yuba creek on this property. It is plainly visible on google maps. It appears to extend deep into the development and even overlay the proposed modification area.

Do any of the plan views clearly show it? If not, why not? Why is there no narrative concerning this sensitive site feature, and how it will be protected? Why does the packet not contain a storm water review?

Some of you may recall that this happened with the RV park. Some PC members suggested it was just a GIS anomaly. In fact, the DEQ had performed a formal determination that Yuba creek did run through the center of the proposed RV park expansion. That was communicated to the RV park in writing but they chose not to share it with the PC. In fact, they denied it was a branch of the creek.

Do any of the plan views clearly show it? If not, why not? Why does the packet not contain a storm water review?

Thank you,

Brian Kelley



Acme Township Planning & Zoning Report No. 2019-07				
Prepared:	May 7, 2019	Pages:		
Meeting:May 21, 2019Attachments:Yes				
Subject:	SUP 2019-01 Min. Amd. – Flintfields Horse Park			

Application No.:	SUP 2019-01 Minor Amendment
Project:	Flintfields Horse Park – site modification 6535 Bates Rd, Williamsburg, MI 49690
Request:	SUP Minor Amendment and Site Plan Review to modify the location of two competition rings, add of a warm up ring and spectator pavilion
Applicant:	Traverse City Horse Shows LLC 15355 De Havilland Court, Wellington, FL 33414 Submitted by Mansfield Land Use Consultants
Owner:	Traverse City Horse Shows LLC 15355 De Havilland Court, Wellington, FL 33414

I. OVERVIEW

General Description and Recommendation

The Applicant is proposing to shift two existing competition rings in the southwest corner of the property to the south to accommodate an adjacent warm up ring, and to add a spectator pavilion over an existing concrete pad between two other competition rings to the north. The shifting of the rings will encroach into the existing drainage basin which will be modified to increase capacity. This request requires approval of a minor amendment to the existing special use permit that governs the development of the property, and its subsequent amendments.

The proposed use is consistent with the intent and purpose of the zoning district as well as the future land use category. Staff recommends approval of the site plan with consideration of the conditions mentioned in the suggested motion at the end of this report.

Subject Property Location		
Address	Parcel Number	
6535 Bates Rd	28-01-014-008-01	
Legal Description		
S 1/2 OF NW 1/4 EXC SCHOOL LOT IN SE COR 208.7' SQ. SEC 31 T28N R9W		
Split on 01/17/2007 from 01-014-009-00, 01-014-008-00;		



Existing Conditions of Subject Property				
Zoning	Existing Uses	Existing Uses		
A-1: Agricultural	Flintfields Horse	Park – Great Lakes Equestrian Festival		
Area	Existing Permits,	/ Prior Approvals		
83.295 acres	SUP 2006-12P	To construct and occupy an equestrian facility		
	2010	Administrative amendment to replace two office trailers with 21' x 46' pavilion		
	SUP 2012-05P	Minor amendment to upgrade campground, food handling, portable restrooms, overflow parking, and a 34' x 64' pavilion		
	SUP 2014-03P	Minor Amendment to allow additional open space uses: equestrian-related events, polo, outdoor recreation camp, Acme Fall Festival		
	SUP 2014-07P	Minor Amendment to allow organized meeting space for weddings, birthday parties, corporate events, and similar		
	SUP 2015-05	Minor Amendment to increase extend the equestrian festival from four to eight weeks		

Adjacent Zoning and Land Uses		
Location	Zoning	Land Use
North:	A-1	Residential, Karin Flint
North:	A-1	Vacant, Traverse City Horse Shows LLC
North:	A-1	Residential, Ray & Carol Herman
Northeast:	A-1	Agriculture, Chuck & Carol Walters
East:	A-1	Residential/Agriculture, Chuck & Carol Walter
Southeast:	A-1	Institutional, Bates Missionary Church
South:	A-1	Residential, Ted & Val Donn
South:	A-1	Residential, Stadium Jumping Inc
South:	A-1	Vacant, Grand Traverse Band of Ottawa & Chippewa Indians
Southwest:	A-1	Vacant, Grand Traverse Band of Ottawa & Chippewa Indians
West:	A-1	Vacant, Walter H Wistrand Trust

Relationship to Master Plan

Future Land Use Category – Agricultural

The Agricultural category comprises land that is under active agricultural use and that is resistant to demographic and economic pressures that make other agricultural land likely for future development. Agricultural land is usually not served by public sewer or water supply and is generally distant from the high-density areas of the Township which is planned for and accommodated south of M-72. The terrain of existing agricultural lands consists of gently rolling hills and level fields interspersed occasionally with small forest areas. Land uses adjacent to the streams and wetlands of Yuba Creek should use sound environmental stewardship and ecological practices in order to conserve natural resources and protect highly sensitive ecosystems as well as ground- and surface water. Acme Township's farmlands contribute substantially to the local and regional economy, open space, and natural resource base of the community, and so this category also encourages the establishment of linkages and corridors for wildlife habitat.

A major objective of this land use category is to create a long-term business environment for agriculture in Acme Township. This category also aims to ensure that agriculture contributes to the character of Acme Township; contributes to Acme Township's and Grand Traverse County's economies, now and in the future; and prevents the loss of agricultural lands by encouraging the use of PDR and TDR programs and other means.

The intended uses in this category include, but are not limited to: farms under active cultivation; farmsteads and accessory structures; agriculture-related industries; agriculture-based enterprises; nurseries and greenhouses; and other agriculture-friendly forms of development. Land uses in the Agricultural areas should comport with the policies and actions outlined in the Cornerstone entitled, "Support the Continuation of Agricultural Operations and Preservation of Farmland." Residential development should use conservation designs through cluster housing, open-space development, or planned unit development. The Township contemplates that residential developments must work around extant agricultural uses, and in some circumstances the current density of 1 dwelling unit per 5 acres should be lowered to 1 dwelling unit per 2 or 2.5 units if cluster and/or open space (farmland) subdivisions are used. The PDR-eligibility map is overlain on the Future Land Use Map (Figure 20) in order to qualify for state funding.

(p. 69-70, Acme Township Community Master Plan, adopted August 11, 2014)

II. SUBMITTED APPLICATION MATERIALS

The tables below present the items submitted with the application for the proposed project. These items have been reviewed in accordance with the processes set forth in the Zoning Ordinance.

Drawings		
Sheet	Title	Date (revised)
C1.0	Coversheet	03.04.19
C2.0	Existing Conditions & Construction Area Plan	03.04.19
C3.0	Soil Erosion & Sedimentation Plan	03.04.19
C4.0	Overall Site & Dimension Plan	03.04.19
C4.1	Site & Dimension Plan – Arena Alignment	03.04.19
C5.0	Grading & Storm Plan	03.04.19
n/a	Pavilion Cover Sheet	03.04.19
1	Elevations	03.04.19
2	Post Layout Plan, Roof Framing Plan	03.04.19
3	Cross Section A/3, Detail A-A/3	03.04.19

Agency Reviews		
Agency	Status	Permit No. (Date)
Grand Traverse County Soil Erosion	Pending	
& Sedimentation Control		
Grand Traverse Metro Fire	Pending	
Department Review		
Gosling-Czubak Storm Water Plan	Pending	
Review		

Additional Documentation Submitted With Application Packet

- SUP/Site Plan Review Application Form

III. ZONING ORDINANCE REVIEW AND FINDINGS

Listed below are the applicable sections of the Zoning Ordinance that pertain to the proposed project. Items that do not satisfy the standards required by the Zoning Ordinance have been indicated with **bold**, red text.

Zoning Dis	Zoning District		
§ 6.12	A-1: Agricultural District		
§ 6.12.1	Intent and Purpose This District is intended to preserve, enhance, and stabilize areas within the Township which are presently used predominantly for farming purposes or areas which, because of their soil, drainage, or natural flora characteristics, should be preserved for low intensity land uses. It is the further purpose of this District to promote the protection of the existing natural environment, preserve the essential characteristics and economical value of these areas as agricultural lands, provide increased market opportunities for local and regional producers by clustering supporting operations such as processing, packaging, distributing, buying, and, research and development that complement and add value to the agricultural sector, and		

provide opportunities for agricultural-related entrepreneurial ventures. Generally accepted agricultural and management practices which may generate noise, dust, odors, and other associated conditions may be used and are protected by the Michigan Right to Farm Act. It is explicitly the purpose of this zone to preserve a suitable long-term working environment for farming operations while minimizing conflicts between land uses. It is the further purpose of this District to promote the protection of the existing natural environment, and to preserve the essential characteristics and economical value of these areas as agricultural lands.

§ 6.12.3 Uses Permitted By Special Use Permit

w. The following agricultural tourism uses are permitted by special use permit

- 1. Small-scale entertainment (e.g. fun houses, haunted houses, or similar) and small mechanical rides.
- 2. Organized meeting space for use by weddings, birthday parties, corporate picnics, and other similar events.

Note: Flintfields proceeds the amendment that added the language in § 6.12.3 above (adopted 05.01.12, effective 05.13.12)

§ 9.	§ 9.1.3(a) Special Uses – Basis For Determination (General Standards)				
	Standard	Finding			
1.	Be designed, constructed, operated and maintained so as to insure that public services and facilities affected by a proposed land use or activity will be capable of accommodating increased service and facility loads caused by the land use or activity to protect the natural environment and conserve natural resources and energy to insure compatibility with adjacent uses of land, and to promote the use of land in a socially and economically desirable manner.	Satisfied: The request is a minor modification to the site of an existing development that has already been approved for the both for the use and site plan. The request does not increase the intensity of the use or the overall operation.			
2.	Be designed to protect natural resources, the health, safety, and welfare and the social and economic well-being of those who will use the land use or activity under consideration, residents and landowners immediately adjacent to the proposed land use or activity, and the community as a whole.	Satisfied: The improvements include an enlarged redesign of the existing storm water basin to accommodate the proposed improvements with additional capacity. All other standards addressed in previous approvals. The spectator pavilion will need to meet all building codes enforced by the GT County Construction Codes Office, as well as Metro Fire as part of their annual inspection.			
3.	Be related to the valid exercise of the police power, and purposes which are affected by the proposed use or activity.	Satisfied: The requirements of § 9.1.3, those associated with the original review and subsequent amendments, as well as the requirements for the proposed amendment are a valid exercise of the police power.			

<u>8</u> 9	.1.3(a) Special Uses – Basis For Determination (Ge Standard	neral Standards) Finding
4.	Be necessary to meet the intent and purpose of the zoning ordinance, be related to the standards established in the ordinance for the land use or activity under consideration, and be necessary to insure compliance with those standards.	Satisfied: The proposed improvements will meet all applicable zoning standards and conditions associated with past approvals.
5.	Meet the standards of other governmental agencies where applicable, and that the approval of these agencies has been obtained or is assured. The applicant shall have the plan reviewed and approved by the Grand Traverse Metro Fire Department prior to the review by the Planning Commission.	Not Satisfied: GT County SESC Permit: Pending GT Metro Fire Dept. Review: Pending GC Storm Water Review: Pending

IV. REPORT SUMMARY

The Applicant is proposing to shift two (2) existing show rings along the south of the facility southwest to accommodate a new warm-up/exercise arena adjacent to them. This will cause the shifted show rings to encroach into a drainage basin for the property. The proposal intends to reconfigure the basin with greater capacity to accommodate additional run-off from some new gravel. The capacity in the proposed basin will exceed that which is required for the current build-out of the facility to accommodate future developments, which will in turn need to be approved at a later date.

The application also includes a new pavilion over an existing concrete pad for spectator viewing. The structure will not add any additional run-off since its covering an existing paved surface, and the use will stay the same: spectator viewing location. It must be noted that the pavilion has already been constructed without approval. The property owner has been notified with a warning letter that failing to gain proper approvals for such projects can invalidate their special use permit, which would prevent them from operating the facility as intended. Metro Fire and Grand Traverse Construction Codes Office are aware as well since their offices would have needed to issue proper approvals, but I am not sure what course of action they have pursued, if any. The inclusion of the already built pavilion into this application request is to clean up the issue with the proper approval. That does not mean the Planning Commission must grant approval of the structure since it is already constructed. However, staff sees no reason why the pavilion should not be approved under the standards of the Zoning Ordinance.

The plans have been submitted to Gosling-Czubak who is reviewing the storm water management system. Given the small amount of additional impervious surfaces being added to the development and significantly increased basin volume in roughly the same location, no unaddressable issues are foreseen.

The Grand Traverse County Environmental Health Department confirmed on May 16, 2019 that an application for a soil erosion and sedimentation control permit has been submitted and reviewed. The inspector indicated that the work on the application was complete and was awaiting final processing from their office before issuing. All fees and surety bonds have been paid, the site has been visited, and no issues were identified that were not addressed in the sediment control plans.

Grand Traverse Metro Fire Department confirmed on May 16, 2019 that they have received a copy of the site plans for review. Kathy Fordyce, Fire Inspector/Plans Examiner, initially stated they have not finished the review,

but have said they will be submitting documentation that the Applicant may proceed with the development as proposed in the site plan since the pavilion structure is over an existing spectator viewing area, and due to the fact that they perform an extensive annual inspection before the facility is allowed to operate for the season. However, after speaking with Assistant Fire Chief/Fire Marshall Brian Belcher, she called back indicating more issues need to be clarified before she will issue approval. Assistant Fire Chief Belcher had received a phone call indicating there are additional planned improvements to recently acquired adjacent properties that include a campground. No indication has been given to staff regarding the timing of these improvements. This will be important for the Planning Commission to understand since a campground will require a major amendment to the special use permit, and/or a separate special use permit approval, along with Michigan Department of Environment, Great Lakes, and Energy (formerly MDEQ). Failure to obtain proper approvals will violate the existing special use permit and zoning ordinance.

Suggested Motion for Consideration:

Motion to approve Special Use Permit minor amendment application SUP 2019-01, submitted by Mansfield Land Use Consultants, on behalf of Traverse City Horseshows LLC, to shift two existing show rings, construct a warmup ring adjacent, to add a pavilion over an existing spectator viewing area, and to reconstruct the storm water drainage basin as necessary and indicated on the submitted site plans, for the Great Lakes Equestrian Festival operated at Flintfields Horse Park, 6535 Bates Rd, Williamsburg, MI 49690, with the following conditions that must be met prior to issuing a land use permit:

- 1. Submit the Soil Erosion and Sedimentation Control Permit;
- 2. Submit approval of the site plan by the Grand Traverse Metro Fire Department;
- 3. Submit an approved review of the storm water management system by Gosling-Czubak;
- 4. The final set of site plan drawings be updated to reflect the applicable conditions, stamped by a licensed engineer, architect, or landscape architect, and signed by the Planning Commission Chair and Applicant.

	Applicat	ion Number: <u>SUP 2019-01</u>	
Township of 6042 / Phone: (231).938-1350	Acme, Grand Traver Acme Road, Williamsb Fax: (231) 938-1510		25/2
Owner Information (please type or print	1		
clearly): Name: Traverse City Horse Shows, LLC	Phone:		
Mailing Address: 15355 De Havilland Court		· · · · · · · · · · · · · · · · · · ·	
City: Wellington	State:FL	Zip: 33414	
Email Address: matt@mmg.management	•		
Applicant Information (please type or print clearly): Name: Traverse City Horse Shows	Phone:		
Mailing Address: 15355 De Havilland Court			
City: Wellington	State: FL	Zip: 33414	
Email Address:matt@mmg.management	=6.0	1	
 A. Property Information: 1. Address: 6535 Bates Road, Williamsbur 	g, MI 49690	· · · · · · · · · · · · · · · · · · ·	
2. Parcel Number/Property Descriptio	n:		
28-01-014-008-01			
3. Current Zoning of Property:		· .	

A-1 Agricultural

4. If this project is one phase of a larger development and/or property subject to an existing/previous Site Plan Review, Special Use Permit, or Variance, what is/are the applicable permit number(s)?

Permit number 2006-12P, with minor amendments: 2012-05P, 2014-03, and 2015-05 SUP

5. **Provide proof of current property ownership**. If applicant is not the current property owner, also provide written permission to act as agent of, and complete contact information for the current property owner.

(Updated 01/04/2016 SW)

Application Number: SUP 2019-01

6. Proposed Use/Change to Property

Realignment/reconstruction of riding arenas, Construction of viewing pavilion

 Estimated Start and Completion Dates: May 6, 2019 - July 3, 2019

B. Application Packet Requirements: REFER TO ACME TOWNSHIP ZONING ORDINANCE AND COMPLETE ATTACHED CHECKLIST

C. Fees: Include initial fee as required by the Acme Township Ordinance #2004-01

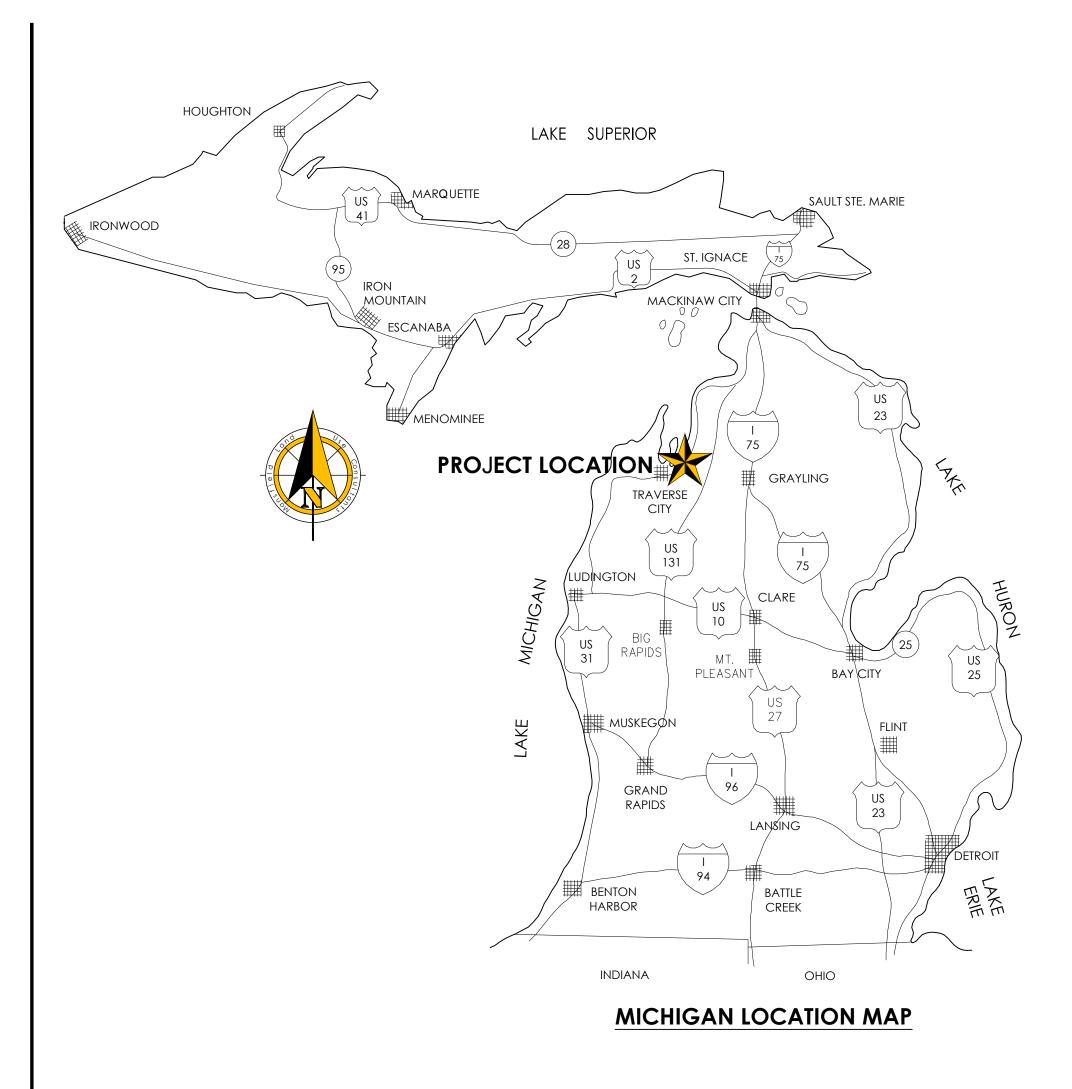
- **D. Fee Escrow Policy Acknowledgement**: Provide completed and signed form with initial escrow fee deposit.
- E. Affidavit: The undersigned affirms that he/she is the _______(owner, agent, lessee, or other interested party) involved in this petition and that the foregoing answers, statements and information are in all respects true and, to the best of his/her knowledge, correct. By making this application, the undersigned grants all officials, staff and consultants of Acme Township access to the subject property as required and appropriate to assess site conditions in support of a determination as to the suitability of the proposed project and/or current or future Special Use Permit and Zoning Ordinance compliance.

Signed:	Date: 5/0/19
/)	
FOR TOWNSHIP	USE ONLY
Application Number: SUP 2019-01	Date Received: May 26, 2019
Public Hearing/Meeting: May 21, 2019	
Date of Advertising: <u>N/A</u>	T&A Account: 103
Date of Advertising: <u>N/A</u>	T&A Account: 103

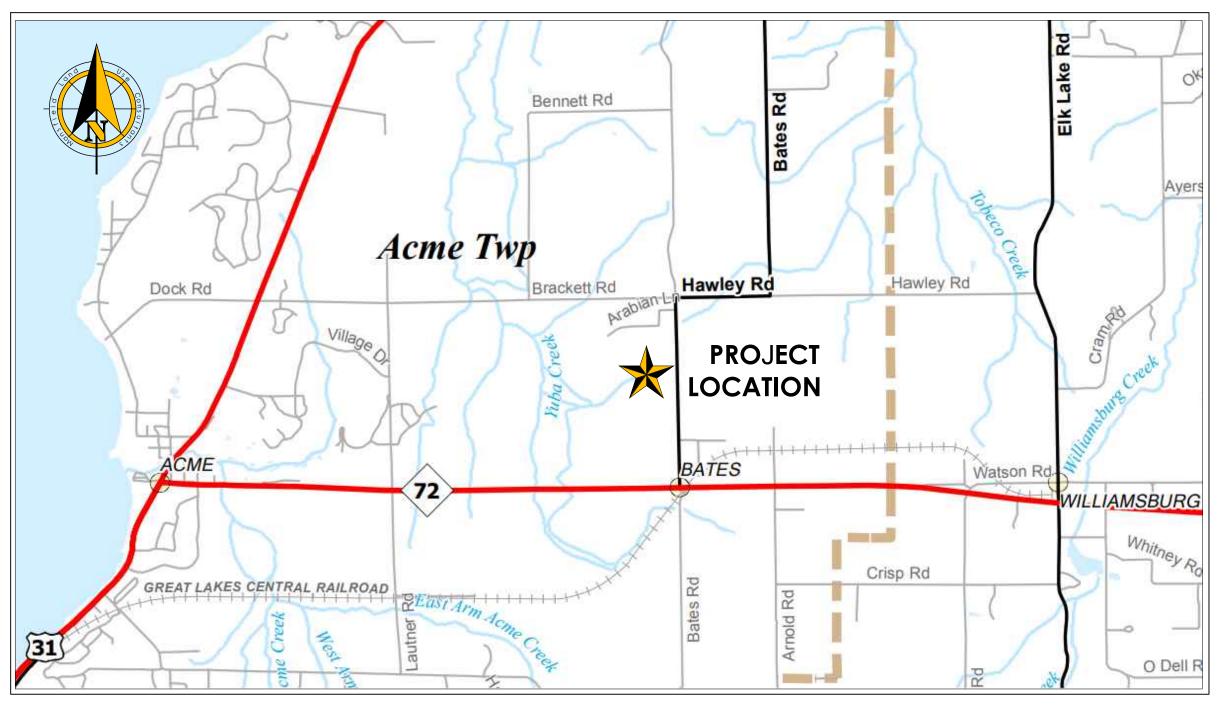
NOTES:

-Minor Amendment

(Updated 01/04/2016 SW) Page 2 of 2



VICINITY MAP SCALE: 1" = 2,640' (1/2 MILE)



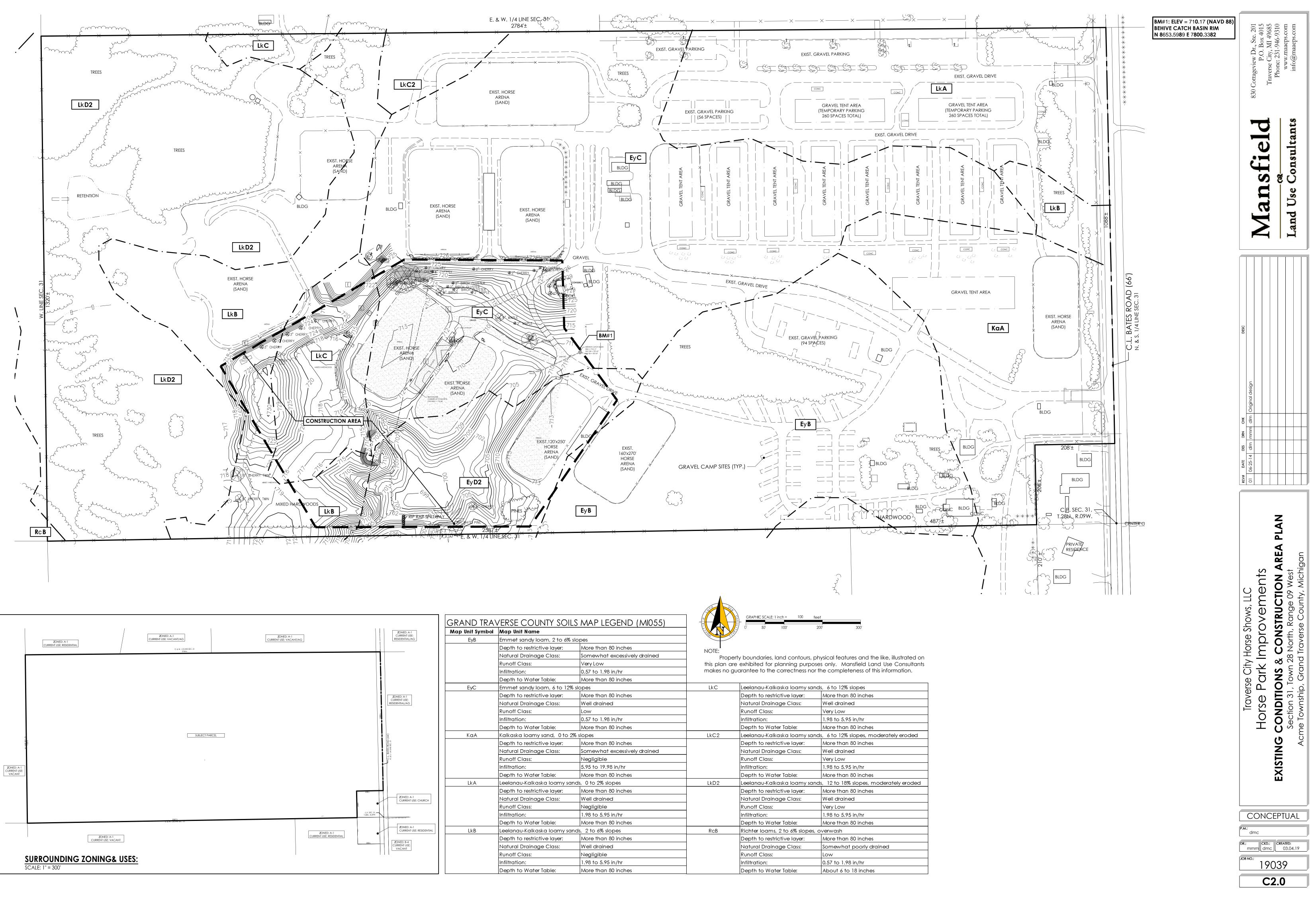
ND IRAVERSE COUNTY DE	ND UTILITIES		STANDARD PLAN LEGEND		SITE INFORMATION: DEVELOPER: TRAVERSE CITY HORSE SHOWS, LLC	201 215 585 310 310
	EPARTMENT OF PUBLIC WORKS (DPW) John Divozzo	DESCRIPTION	EXISTING	PROPOSED	15355 DE HAVILLAND COURT	r., Ste. 201 Box 4015 MI 49685 -946-9310 aaeps.com
Address:	2650 Lafranier Rd., Traverse City, MI 49686	GROUND CONTOUR	605	613	WELLINGTON, FL 33414	Dr., ⁽ 0. Bc 31-9/ maae
Telephone:	231-995-6039	SPOT ELEVATION	613.2	• (613.50)	PARCEL ID: 28-01-014-008-01 TRAVERSE CITY HORSE SHOWS, LLC	, Ci Ci M
ND TRAVERSE COUNTY RC	DAD COMMISSION	Contour from USGS Topographic map			15355 DE HAVILLAND COURT	tagevie iverse Phone ww
	James Cook		613.5	613.50	WELLINGTON, FL 33414 ADDRESS: 6535 BATES ROAD	Tra I
	1881 Lafranier Rd., Traverse City, MI 49686 231-922-4848	TOP OF CURB ELEVATION PAVEMENT (OR GUTTER FLOW LINE) ELEVATION	+ <u>613.5</u> 613.0	613.00	TAX DESC.: S 1/2 OF NW 1/4 EXC SCHOOL LOT IN SE COR 208.7' SQ. SEC 31 T28N R9W	830 -
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	DIL EROSION AND SEDIMENTATION CONTROL Bruce Remai	DRAINAGE HIGH POINT		HP.	ZONED: A-1	3
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Telephone:	231-995-6042	DRAINAGE LOW POINT		LP.	SIDE: 25' REAR: 40'	
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	Frank Seipker	SANITARY FORCE MAIN				
Address:	5930 US-31 S., Traverse City, MI 49684	SANITARY SEWER				
Telephone:	231-486-9220	STORM SEWER				S 8 (
		GAS MAIN				
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	Sandra O'Niel	EDGE OF WETLAND				
	700 Hammond Rd., Ste. 2, Traverse City, MI 49686	EDGE OF WATER	····	· · · · · ·		
Telephone:	231-932-2829	C/L OR DRAINAGE DITCH OR WATER LINE		-> >		
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•	Rob Nowak	DETENTION BASIN BERM				
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EMERGENCIES:	911	RISER		00		
Michigan State Police:	231-946-4646	GATE VALVE	\oplus			
Grand Traverse County	Sheriff: 231-995-5001	FIRE HYDRANT ASSEMBLY	\$ \$			uliss
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DEPARTMENTS	011	CURB STOP & BOX				Origir
EMERGENCIES: Grand Traverse Metro:	911 231-947-3000	POLE, POWER OR ELECTRIC	Ø			E E
Grand Traverse Rural:	231-943-9721	LIGHT POLE		*		z E
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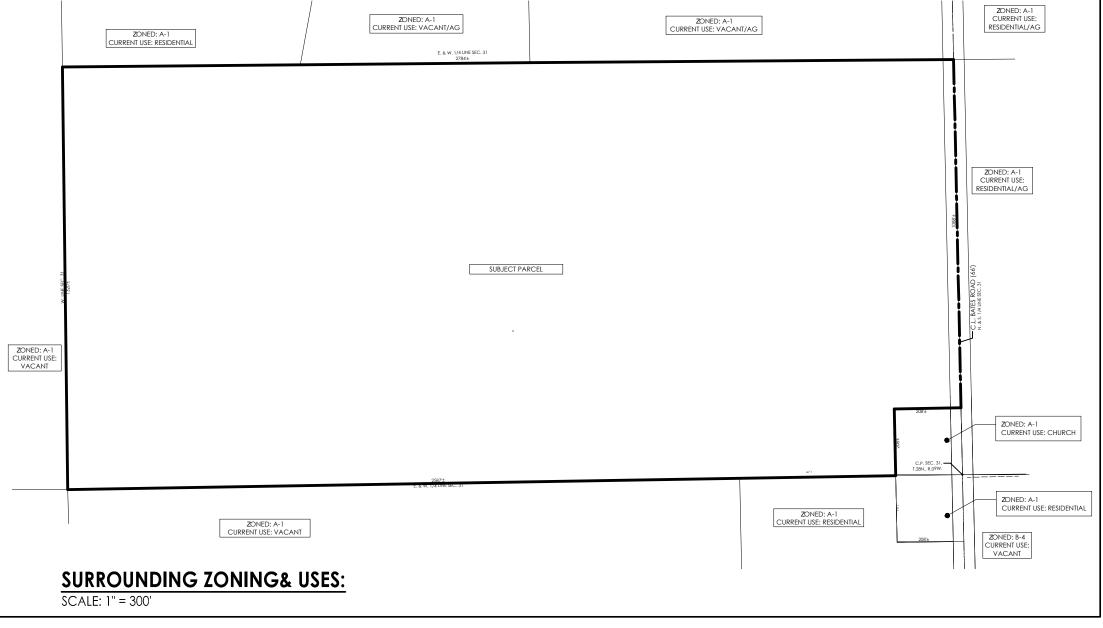


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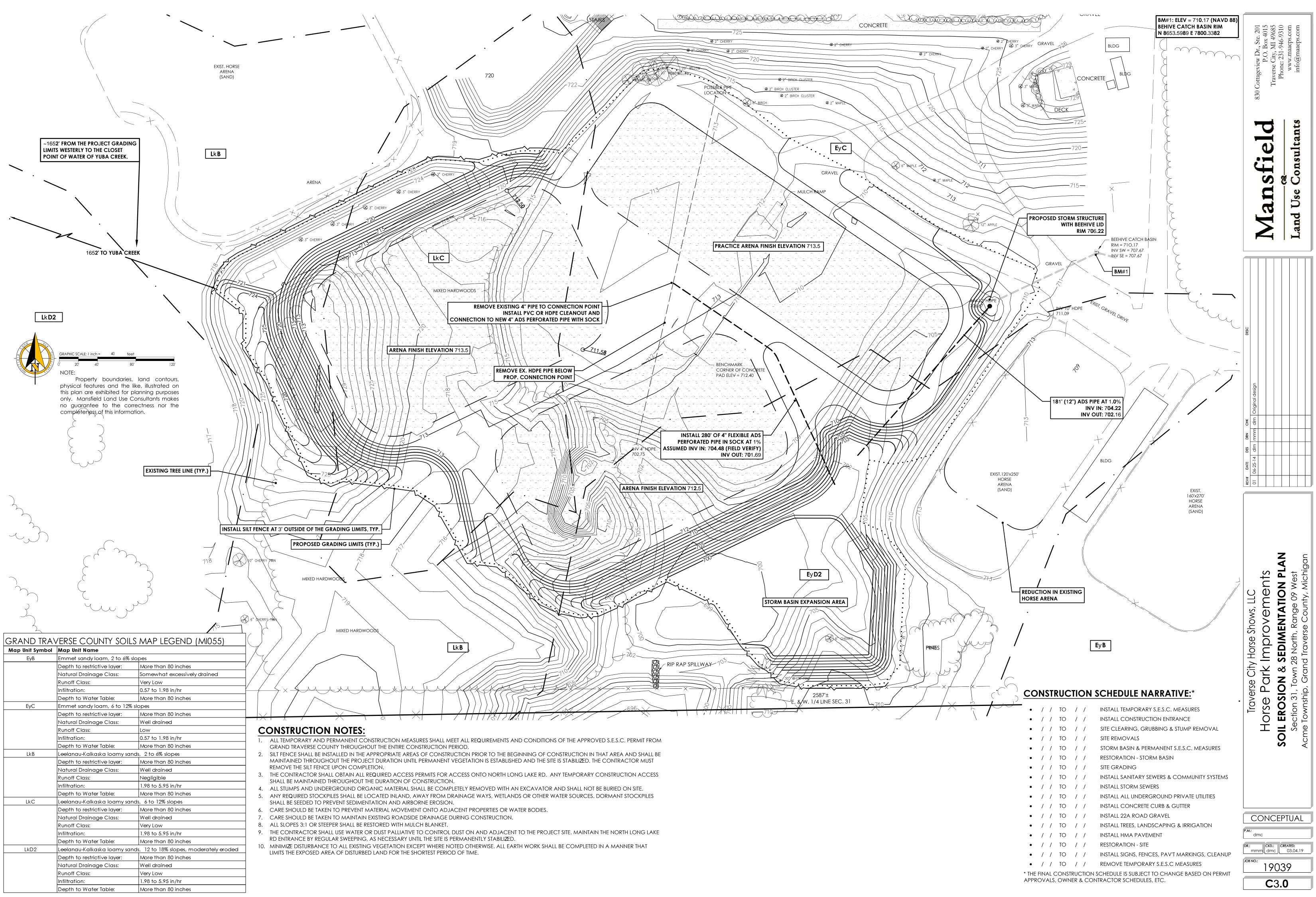
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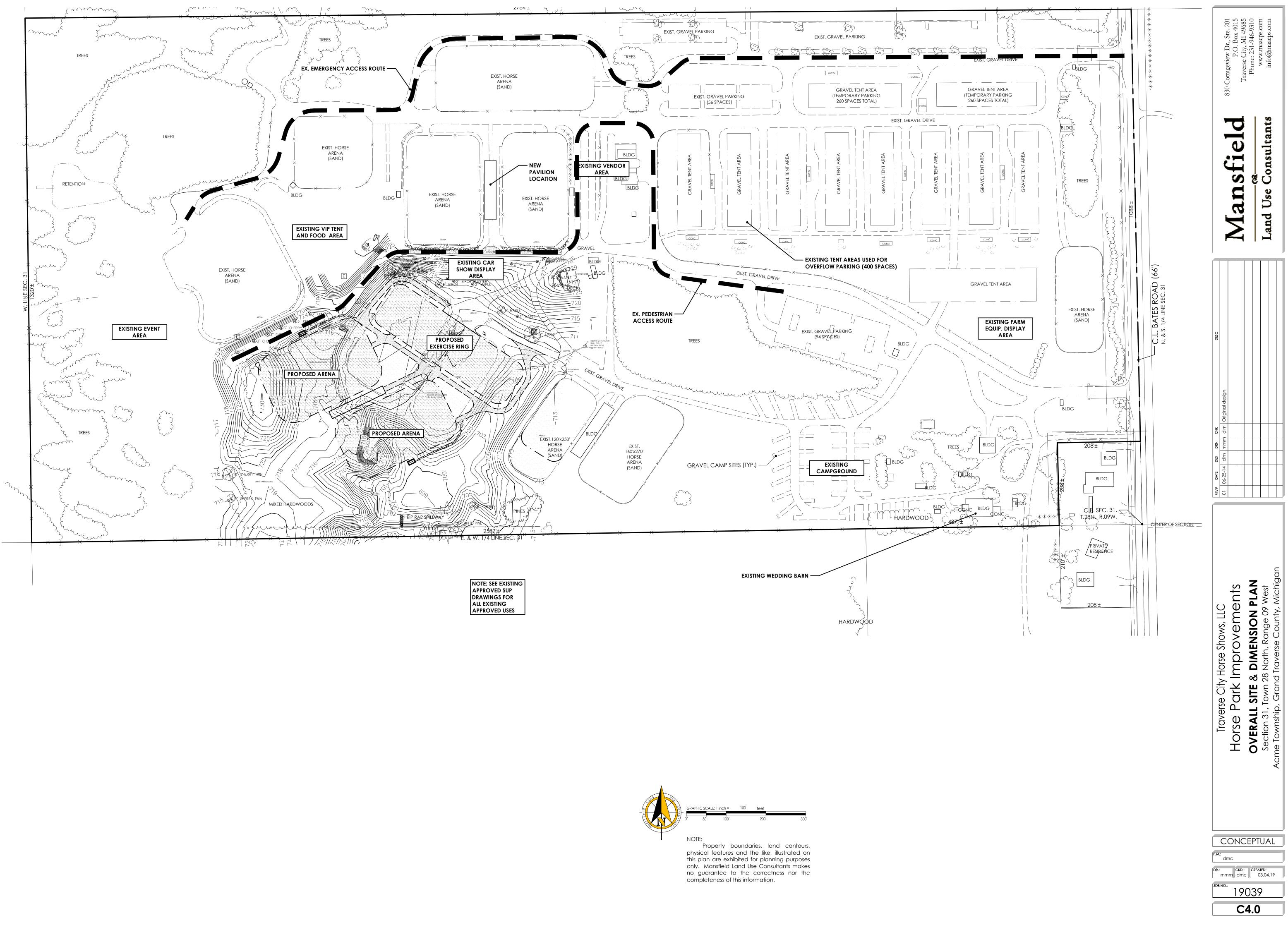




Unit Symbol	Map Unit Name				
ЕуВ	Emmet sandy loam, 2 to 6% slopes				
	Depth to restrictive layer:	More than 80 inches			
	Natural Drainage Class:	Somewhat excessively drained			
	Runoff Class:	Very Low			
	Infiltration:	0.57 to 1.98 in/hr			
	Depth to Water Table:	More than 80 inches			
уC	Emmet sandy loam, 6 to 129	6 slopes			
	Depth to restrictive layer:	More than 80 inches			
	Natural Drainage Class:	Well drained			
	Runoff Class:	Low			
	Infiltration:	0.57 to 1.98 in/hr			
	Depth to Water Table:	More than 80 inches			
aA	Kalkaska loamy sand, 0 to 2% slopes				
	Depth to restrictive layer:	More than 80 inches			
	Natural Drainage Class:	Somewhat excessively drained			
	Runoff Class:	Negligible			
	Infiltration:	5.95 to 19.98 in/hr			
	Depth to Water Table:	More than 80 inches			
_kA	Leelanau-Kalkaska loamy sa	nds, 0 to 2% slopes			
	Depth to restrictive layer:	More than 80 inches			
	Natural Drainage Class:	Well drained			
	Runoff Class:	Negligible			
	Infiltration:	1.98 to 5.95 in/hr			
	Depth to Water Table:	More than 80 inches			
_kB	Leelanau-Kalkaska loamy sa	nds, 2 to 6% slopes			
	Depth to restrictive layer:	More than 80 inches			
	Natural Drainage Class:	Well drained			
	Runoff Class:	Negligible			
	Infiltration:	1.98 to 5.95 in/hr			
	Depth to Water Table:	More than 80 inches			

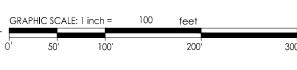
ndy loam, 6 to 12% slopes		LkC	Leelanau-Kalkaska loamy sands, 6 to 12% slopes		
estricti∨e layer:	More than 80 inches		Depth to restrictive layer:	More than 80 inches	
ainage Class:	Well drained		Natural Drainage Class:	Well drained	
155:	Low		Runoff Class:	Very Low	
, ,	0.57 to 1.98 in/hr		Infiltration:	1.98 to 5.95 in/hr	
Nater Table:	More than 80 inches		Depth to Water Table:	More than 80 inches	
oamy sand, 0 to 2	% slopes	LkC2	Leelanau-Kalkaska loamy sa	nds, 6 to 12% slopes, moderately eroded	
estrictive layer:	More than 80 inches		Depth to restrictive layer:	More than 80 inches	
ainage Class:	Somewhat excessively drained		Natural Drainage Class:	Well drained	
155:	Negligible		Runoff Class:	Very Low	
	5.95 to 19.98 in/hr		Infiltration:	1.98 to 5.95 in/hr	
Vater Table:	More than 80 inches		Depth to Water Table:	More than 80 inches	
Kalkaska loamy sa	nds, 0 to 2% slopes	LkD2	Leelanau-Kalkaska loamy sands, 12 to 18% slopes, moderately erc		
estrictive layer:	More than 80 inches		Depth to restrictive layer:	More than 80 inches	
ainage Class:	Well drained		Natural Drainage Class:	Well drained	
ISS:	Negligible		Runoff Class:	Very Low	
	1.98 to 5.95 in/hr		Infiltration:	1.98 to 5.95 in/hr	
Vater Table:	More than 80 inches		Depth to Water Table:	More than 80 inches	
Kalkaska loamy sa	nds, 2 to 6% slopes	RcB	Richter loams, 2 to 6% slopes	s, overwash	
estricti∨e layer:	More than 80 inches		Depth to restrictive layer:	More than 80 inches	
ainage Class:	Well drained		Natural Drainage Class:	Somewhat poorly drained	
155:	Negligible		Runoff Class:	Low	
	1.98 to 5.95 in/hr		Infiltration:	0.57 to 1.98 in/hr	
Water Table:	More than 80 inches		Depth to Water Table:	About 6 to 18 inches	

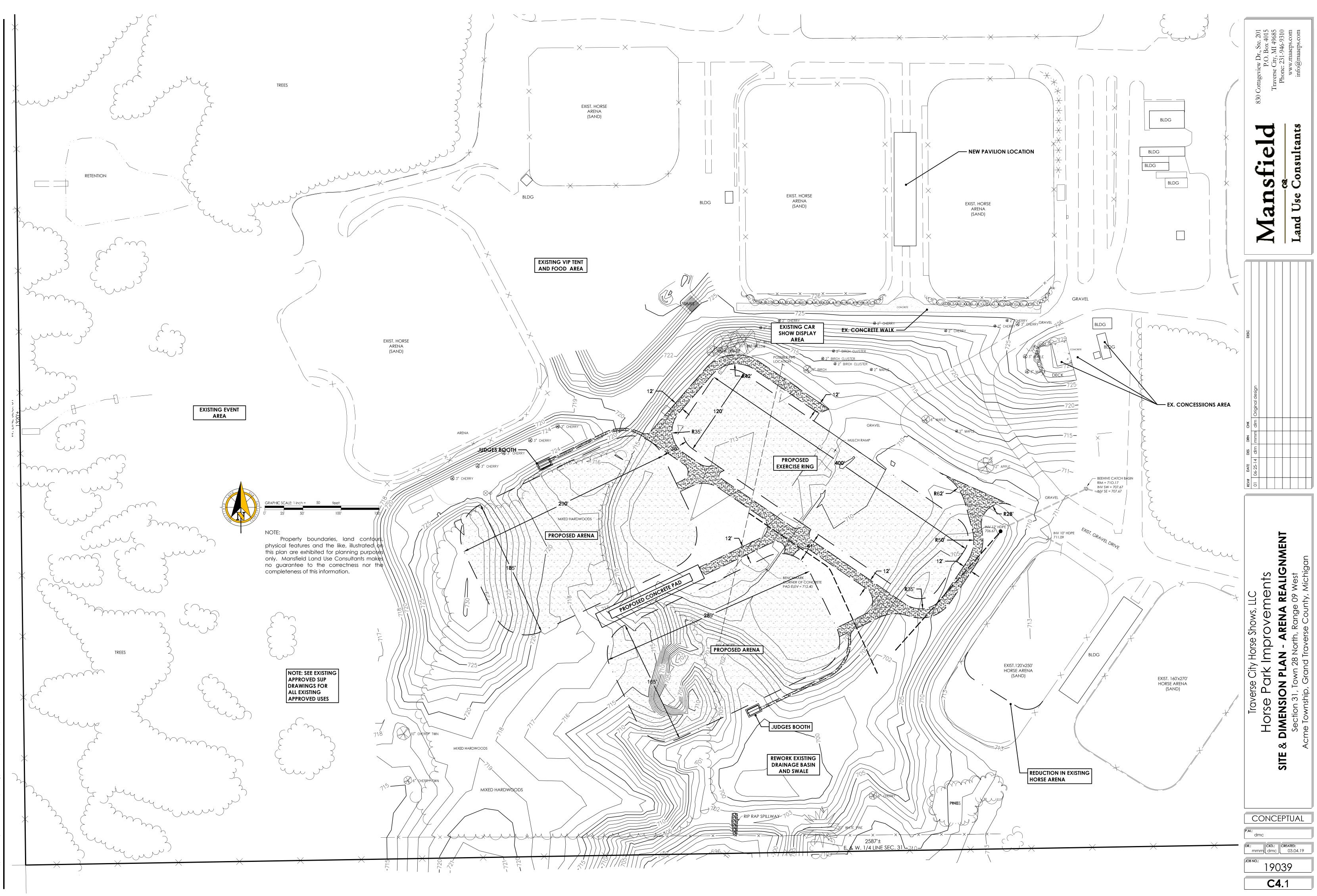




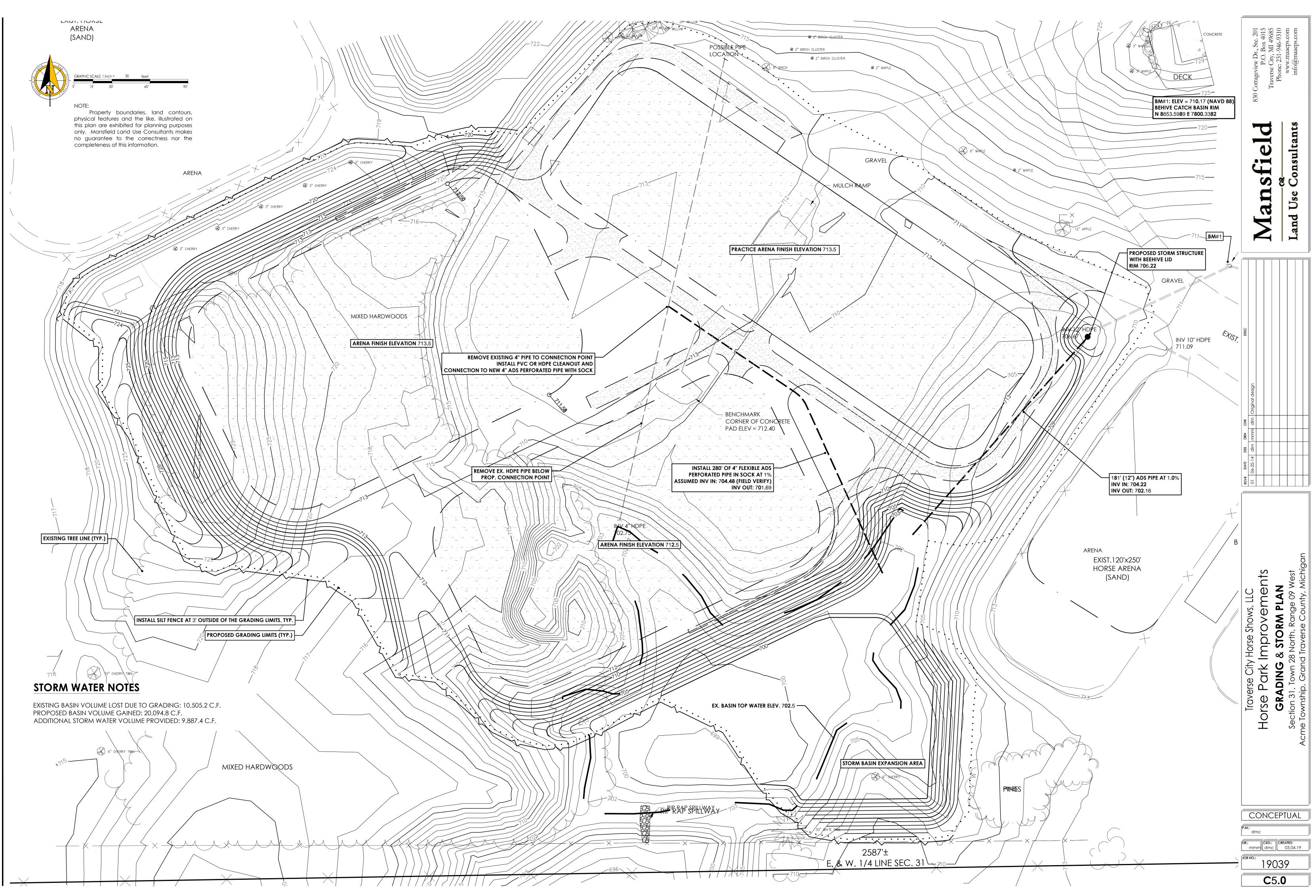








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30'x150' Rectangle Wood Pavilion All notes do not necessarily apply due to different requirements on each project. This plan is intended to reflect only the structural design of this

Flintfields Horse Park 6535 Bates Road Williamsburg, MI 49690





East: 22 Denver Road, Suite B Denver, PA 17517 717.335.2750 Fax: 717.335.2753

West: 406 S Main Street, PO Box 509 Kouts, IN 46347 219.766.2499 Fax: 219.766.2394

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- Cover Page Notes
- Page 1 Elevations
- Page 2 Post Layout Plan, Roof Framing Plan
- Page 3 Cross Section A/3, Detail A-A/3
- Page 4 Detail B-B/4
- Page 5 Detail B-B/5, Detail C-C/5
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- Page 7 Detail F-F/7
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- Page 9 Detail G-G/9
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- Page 11 Angle "A4", Plate "P1"
- Page 12 Notes

GENERAL NOTES

project. This plan is intended to reflect only the structural design of this building. The contractor shall review all applicable local, state, and federal building codes prior to the start of construction to ensure building conformance. Timber Tech Engineering, Inc. is not responsible for information pertaining to this project if not shown on drawings or listed below. Revisions to the plans shall be approved by engineer of record. All standards indicated in these notes shall adhere to the referenced standards chapter of the governing code listed below.

DESIGN REQUIREMENTS

1. Governing Code: Including, not limited to: IBC 2015 (ASCE 7-10) **Risk Category II** 2. Dead Loads: A. Roof 10 psf B. Floor n/a psf C. Other n/a psf 3. Live Loads: A. Roof (See also note #4) 50 psf B. Floor n/a psf C. Other n/a psf 4. Snow Loads: A. Ground Snow (Pg) 60 psf B. Flat Roof Snow (Pf) 50 psf C. Snow Exposure Factor (Ce) 1.0 D. Snow Load Risk Factor (I) 1.0 E. Unbalanced Snow i. Windward Roof 0 psf ii. Leeward Roof 60 psf 5. Wind Load A. Ultimate Wind Speed (V ult) 115 mph B. Wind Exposure Category С C. Enclosure Category Open 6. Earthquake Design Data: (Analysis based on equivalent lateral force procedure) A. Spectral Response Acceleration at 1 sec, S 0.031 B. Spectral Response Acceleration at short periods. S 0.048 C. Seismic Importance Factor, I 1.0 D. Site Class E. Seismic Design Category A F. Basic Structural System Cantilevered Column: Timber Frame G. Response Modification Factor (R) 1.5

H. Deflection Amplification Factor (Cd) 1.5

WOOD

- 1. General Requirements
- or capacity to carry all design loads without exceeding the allowable design values specified in "The National Design specification for Wood Construction" (NDS), and its "Supplement" by the American Wood Council (AWC).
- B. Wood members used for load supporting purposes shall have the grade mark of a lumber grading agency certified by the American Lumber Standards Committee.
- 2. Heavy Timbers
- by AWC.
- Structural Glued Laminated Timber", (ANSI/AITC 190.1).
- C. Structural decking shall conform to the NDS.
- 3. Dimension Lumber
- Department of Commerce.
- D. Mechanically laminated columns shall conform with ANSI/ASAE EP 559.
- 4. Pressure Preservative Treatment (PPT) Association (AWPA) standards.
- American Lumber Standards Committee.

- 0.6 pcf for members in contact with earth. E. Treat indicated items and the following:
- 2. Wood members in direct contact with earth or concrete.
- laminated timber).
- 4. Wood members less than 12 inches above grade.

- conform to the following:
- B. Other connections as per standard construction practice.

A. Structural wood members and connections shall be of sufficient size

A. Structural solid sawn timbers shall be designed, fabricated and installed in accordance with the NDS

B Structural glued laminated soft wood timbers shall conform with the "American National Standard or

D. Glued laminated columns shall be manufactured with laminating combinations that will provide a minimum design value of 1,850 psi for compressive stress (Fc), and 2,200 psi for bending stress (Fb).

A. All lumber species, graded visually or mechanically, shall comply with the NDS by AWC, and the "American Softwood Lumber Standard" (PS 20) by the U.S.

B. The minimum grade and species for posts, beams, headers, and other primary structural members shall be Dense Select Structural Southern Pine, unless specified otherwise. C. Lumber used for secondary framing shall be #1 Southern Yellow Pine (SYP) or better.

A. Pressure treatment to be performed according to the American Wood Preservers'

B. Pressure treated members shall have the inspection mark of an agency accredited by the

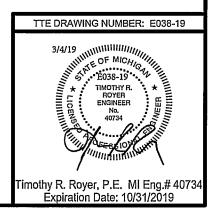
C. Preservative: Ammonia Copper Quaternary ammonia (ACQ) or Copper Boron Azole (CBA) D. Minimum waterborne treatment retention shall be 0.4 pcf for members above ground, and

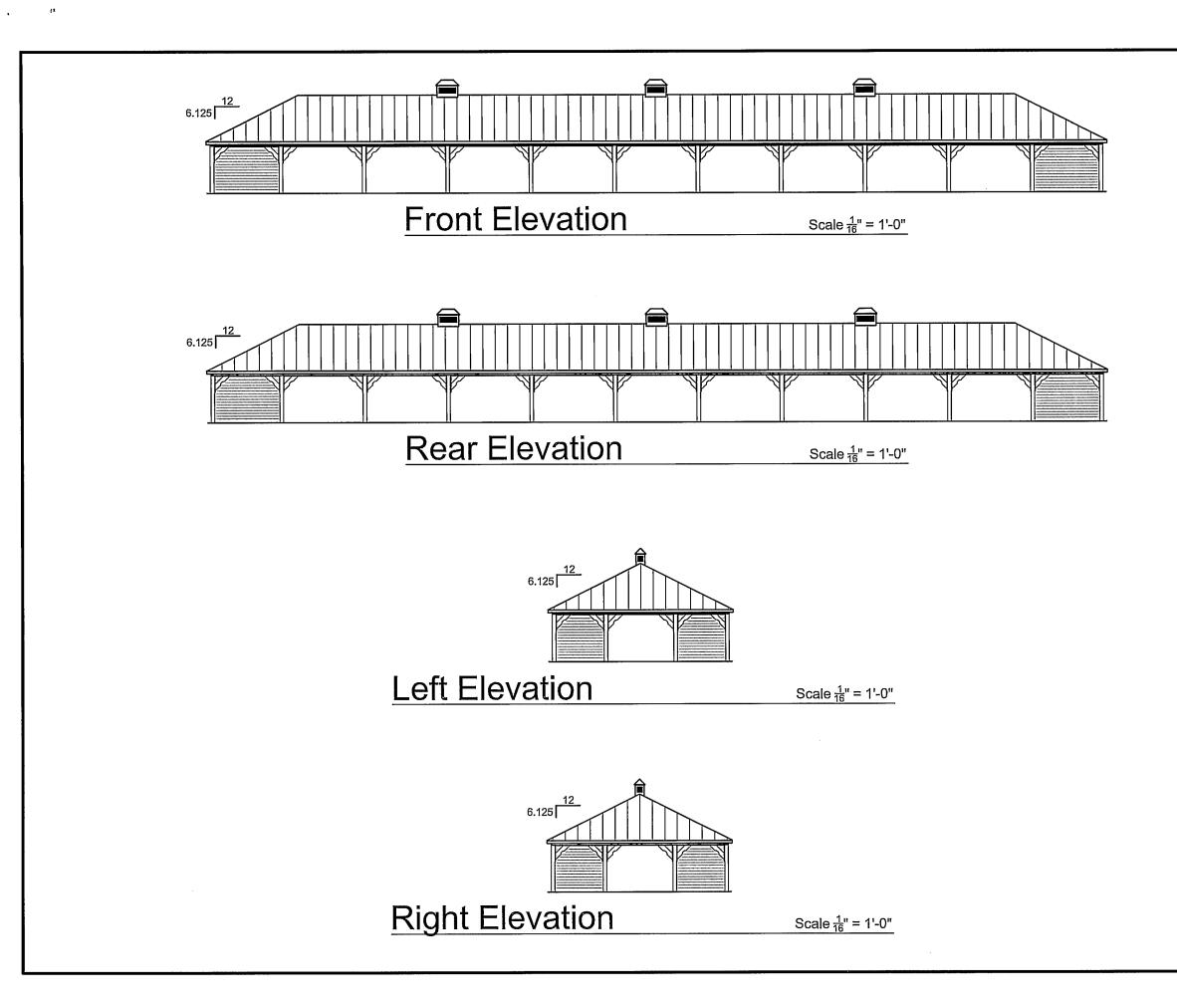
1. Wood members exposed to weather or insect infestation.

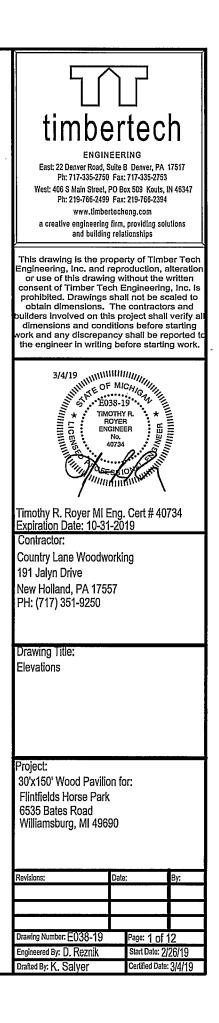
3. Wood members exposed to high moisture content (>19% for dimension lumber, >16% for glued

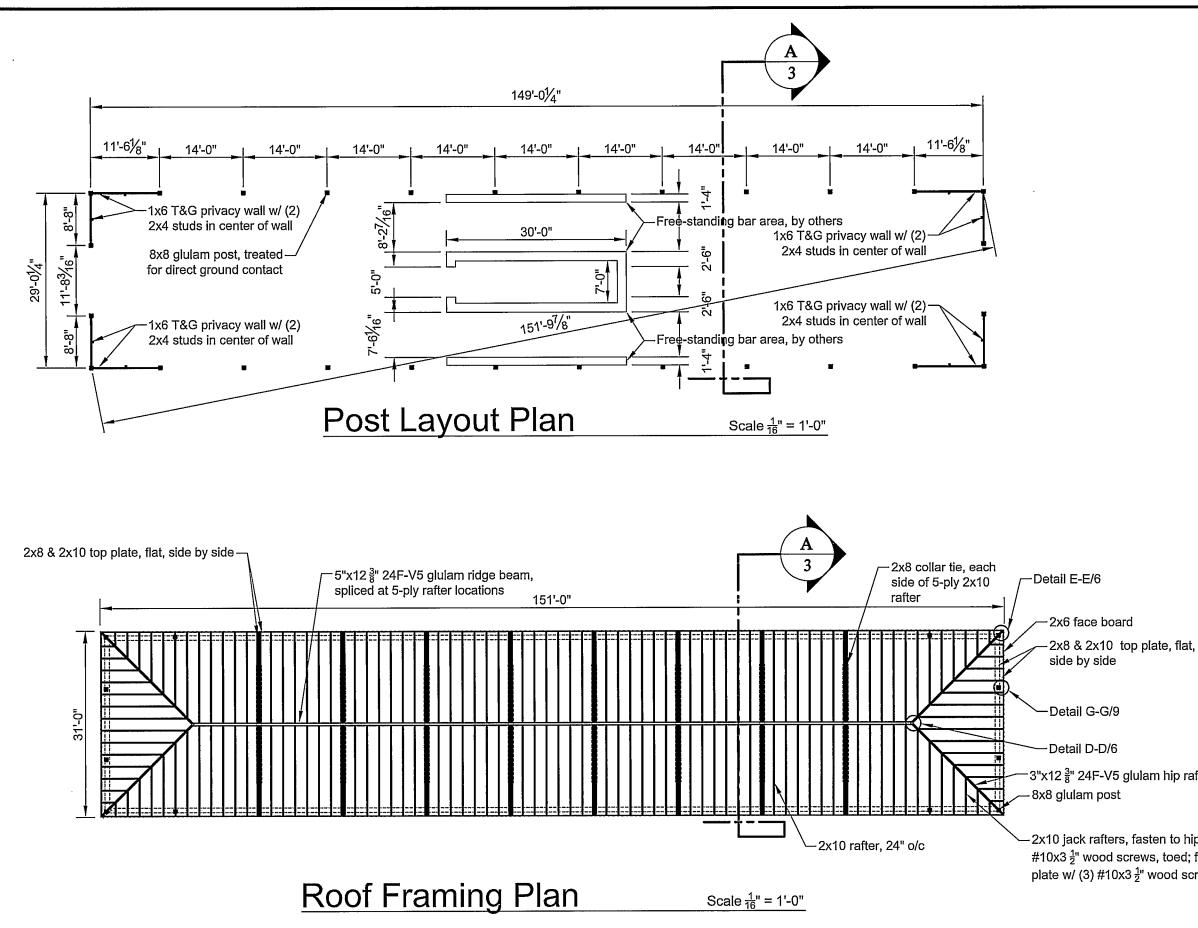
F. Field treat newly exposed wood where cutting, drilling or notching pressure treated lumber. G. Metal connectors used in treated wood shall be hot-dip galvanized as per ASTM A153. 5. Connections shall be designed and constructed according to the NDS by AWC and shall

A. The minimum connection shall be two #10x3 ¹/₂" wood screws, or as detailed on the drawings.









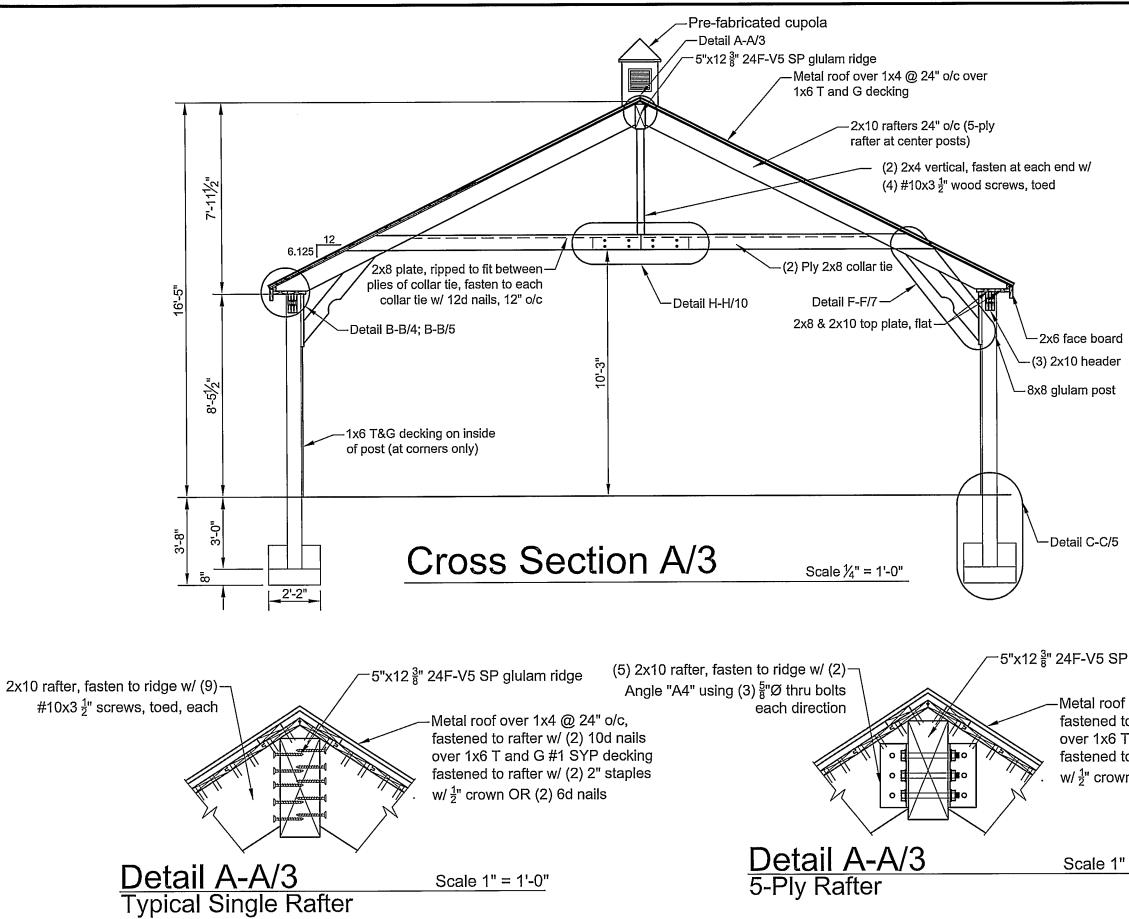
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	Engineered By: D. Reznik		Start Date: 2/	26/19
	Drafted By: K. Salver		Certified Date:	: 3/4/19

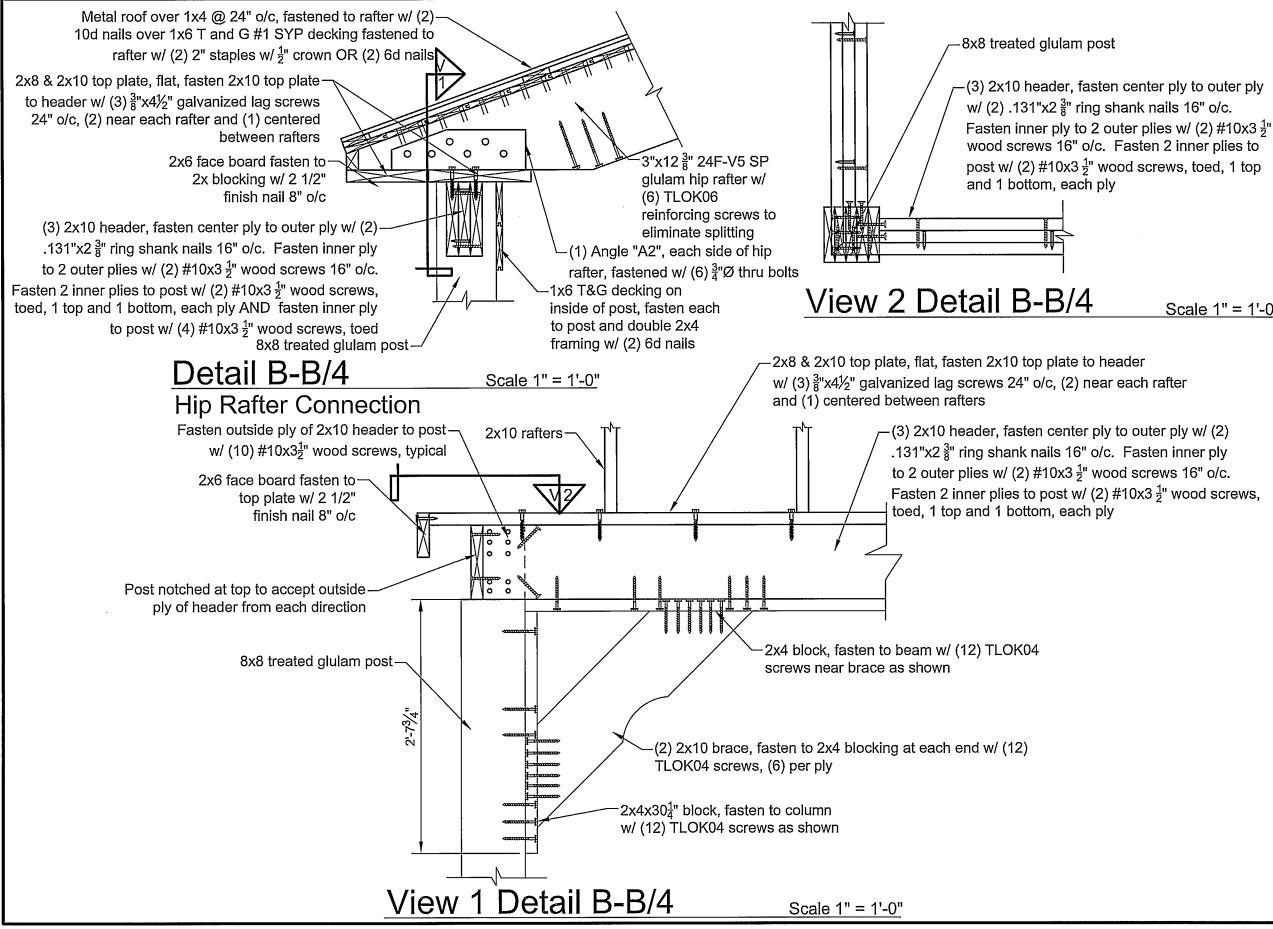
-3"x12³/₈" 24F-V5 glulam hip rafter

-2x10 jack rafters, fasten to hip rafte #10x3 $\frac{1}{2}$ " wood screws, toed; faster plate w/ (3) #10x3 $\frac{1}{2}$ " wood screws,



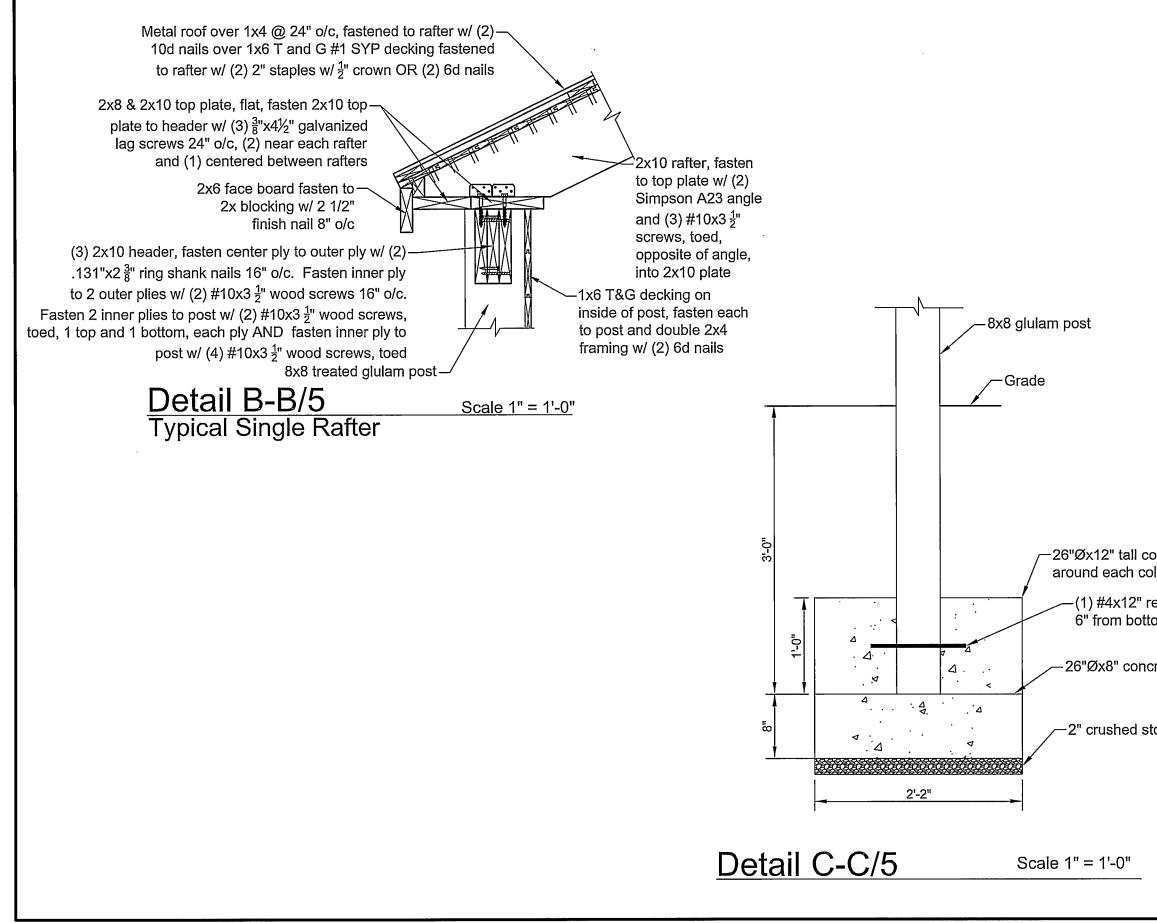
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	Timothy R. Royer MI Eng. Cert # 40734 Expiration Date: 10-31-2019
	Contractor: Country Lane Woodworking 191 Jalyn Drive New Holland, PA 17557 PH: (717) 351-9250
	Drawing Title: Cross Section A/3
' glulam ridge	Detail A-A/3
over 1x4 @ 24" o/c, o rafter w/ (2) 10d nails Γ and G #1 SYP decking o rafter w/ (2) 2" staples n OR (2) 6d nails	Project: 30'x150' Wood Pavilion for: Flintfields Horse Park 6535 Bates Road Williamsburg, MI 49690
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<u>= 1'-0"</u>	Drawing Number: E038-19 Page: 3 of 12 Engineered By: D, Reznik Start Date: 2/26/19
	Drafted By: K. Salyer Certified Date: 3/4/19



Scale 1" = 1'-0"

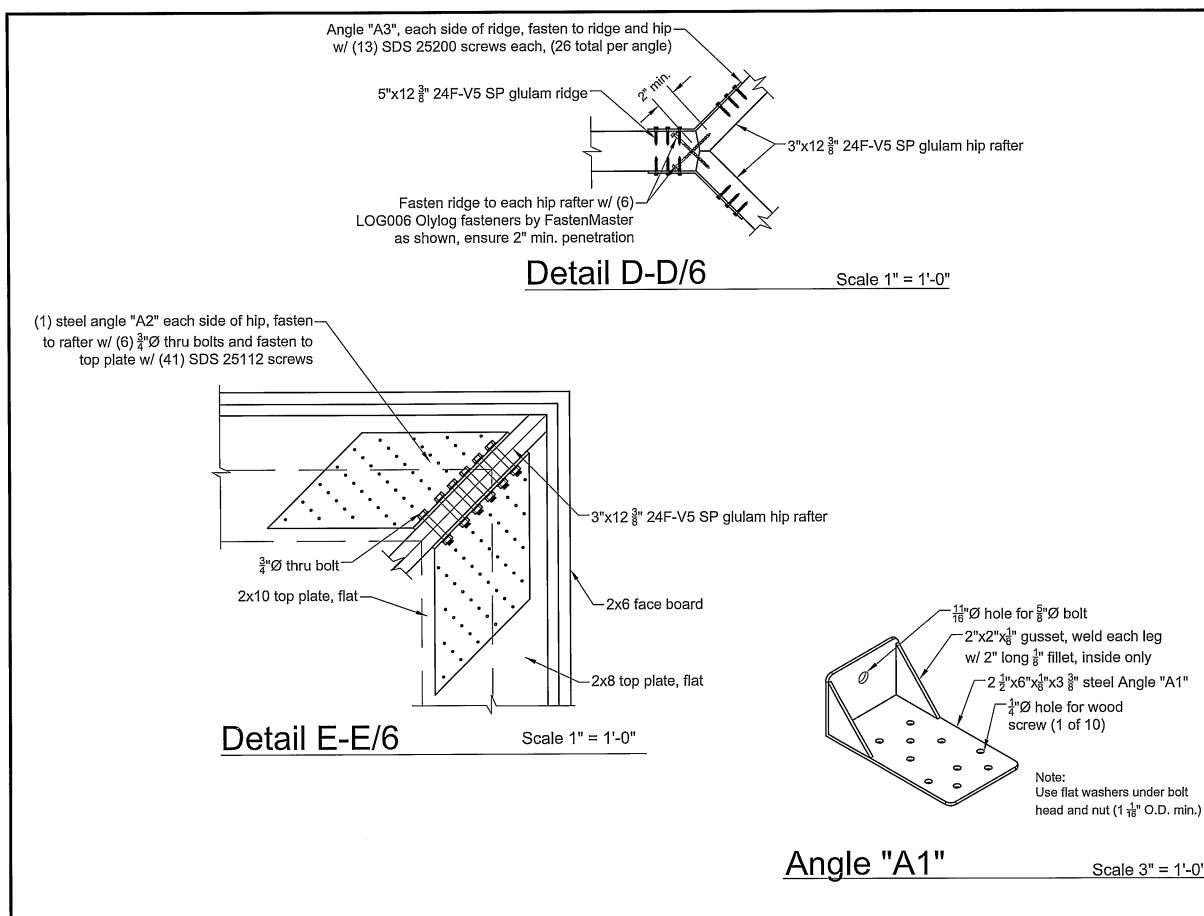
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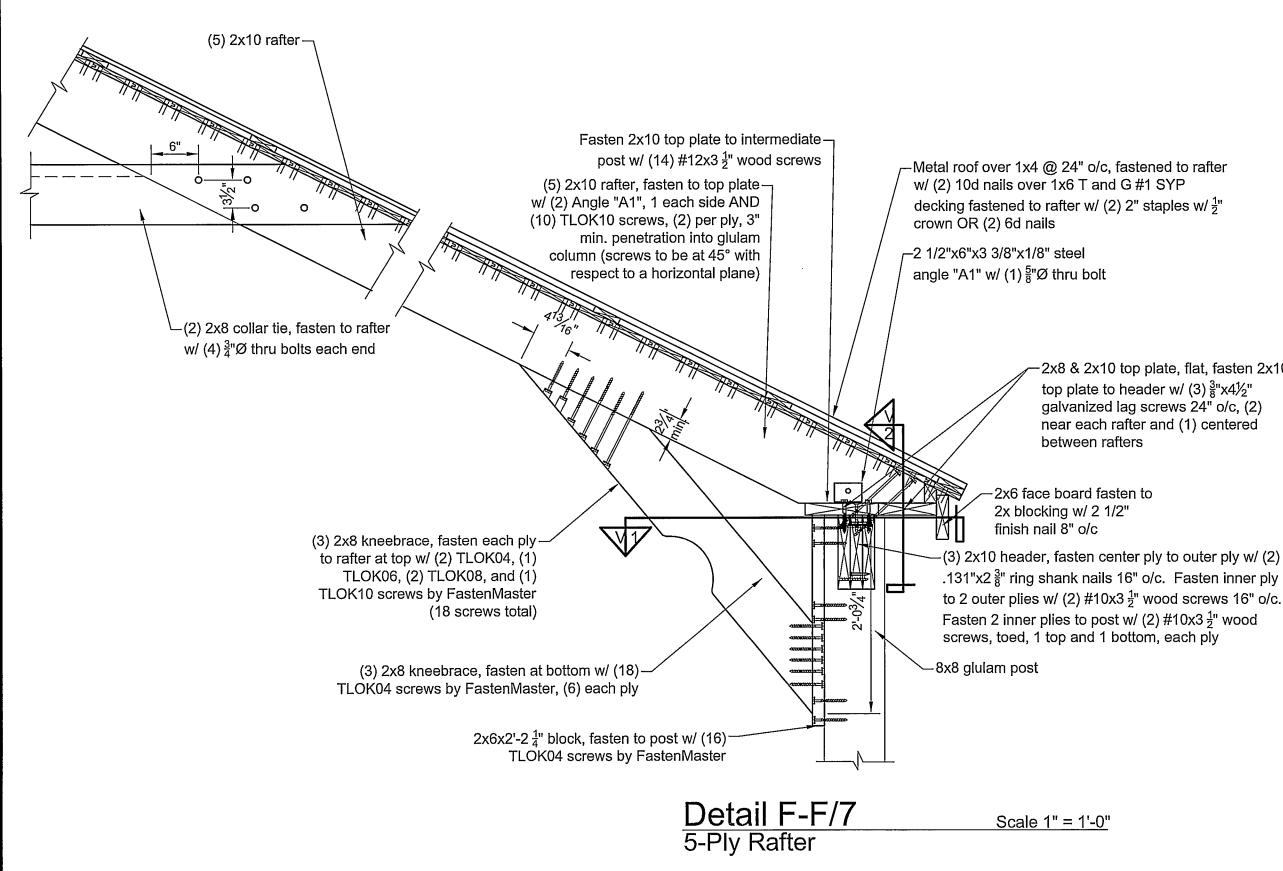


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ENGINEERING East: 22 Deriver Road, Suite B Deriver, PA 17517 Ph: 717-335-2753 West: 405 S Main Street, PO Box 509 Kouts, IN 46347 Ph: 219-766-2394 www.ilmbertecheng.com a creative engineering firm, providing solutions and building relationships This drawing is the property of Timber Tech Engineering, Inc. and reproduction, alteration or use of this drawing without the written consent of Timber Tech Engineering, Inc. Is prohibited. Drawings shall not be scaled to obtain dimensions. The contractors and builders involved on this project shall verify all dimensions and conditions before starting work and any discrepancy shall be reported to the engineer in writing before starting work. Jumothy R. Royer MI Eng. Cert # 40734 Explane: No. 40734 Westime Revision Date: 10-31-2019 Contractor: Country Lane Woodworking 191 Jalyn Drive New Holland, PA 17557 PH: (717) 351-9250 Drawing Title: Detail D-D/6 Detail E-E/6 Angle "A1" Project: 30'x150' Wood Pavilion for: Flintfields Horse Park 6535 Bates Road Williamsburg, MI 49690 Page: 6 of 12		∣ ⊔ I timbe	r r	_ tec	h
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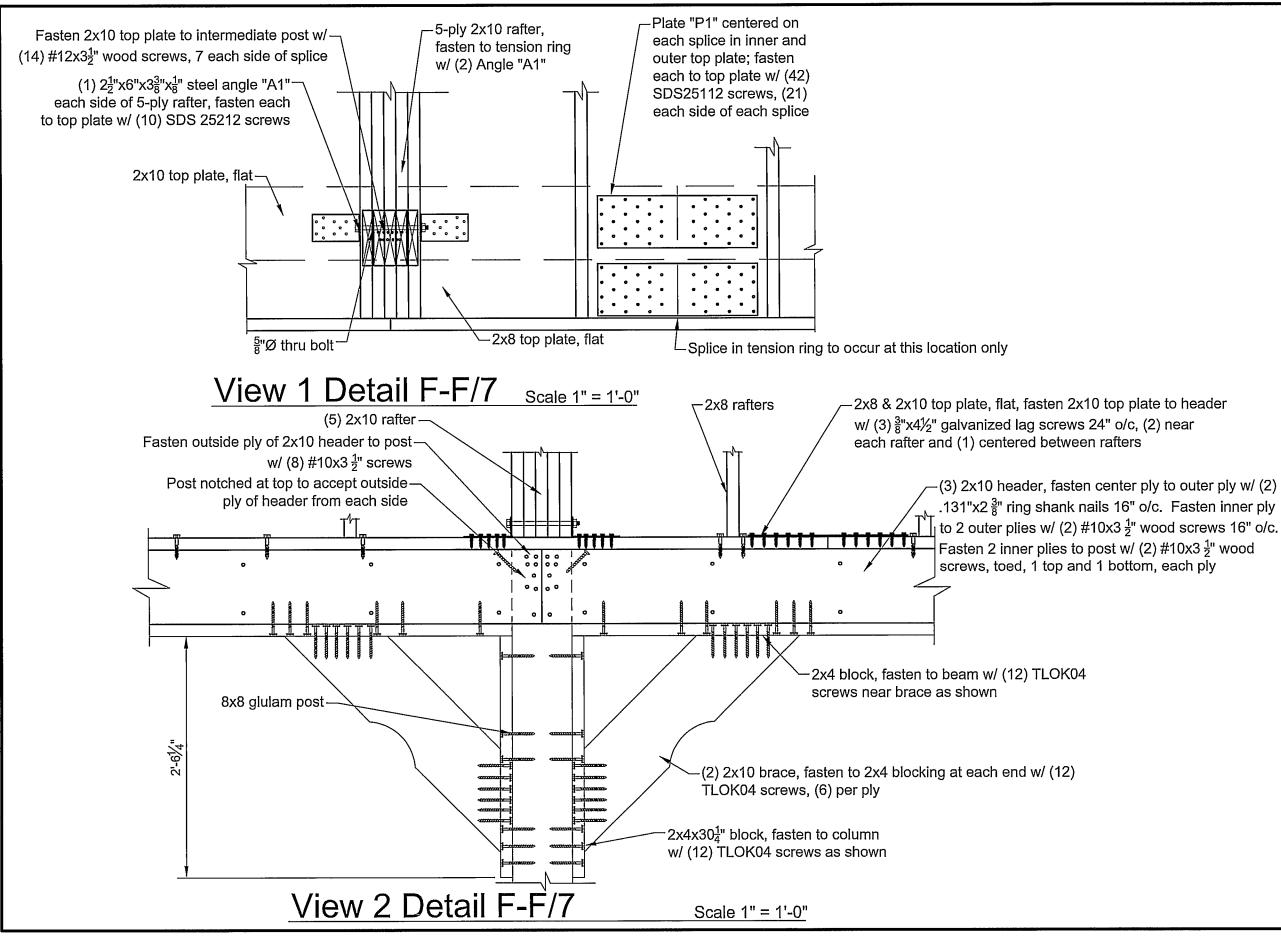
Scale 3" = 1'-0"



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2x8 & 2x10 top plate, flat, fasten 2x10 top plate to header w/ (3) $\frac{3}{8}$ x4¹/₂" galvanized lag screws 24" o/c, (2) near each rafter and (1) centered

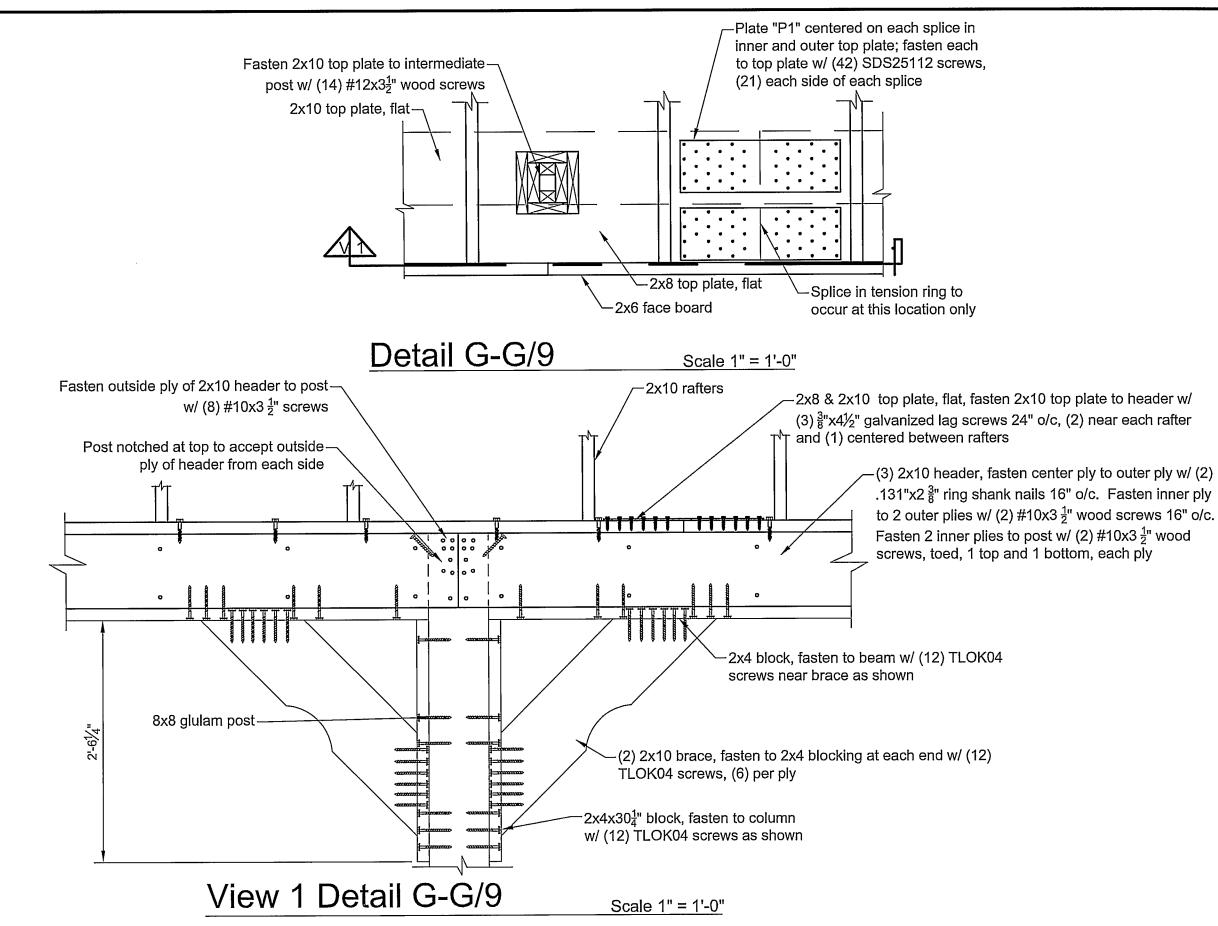
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Drafted By: K. Salyer		Certified Date	3/4/19				



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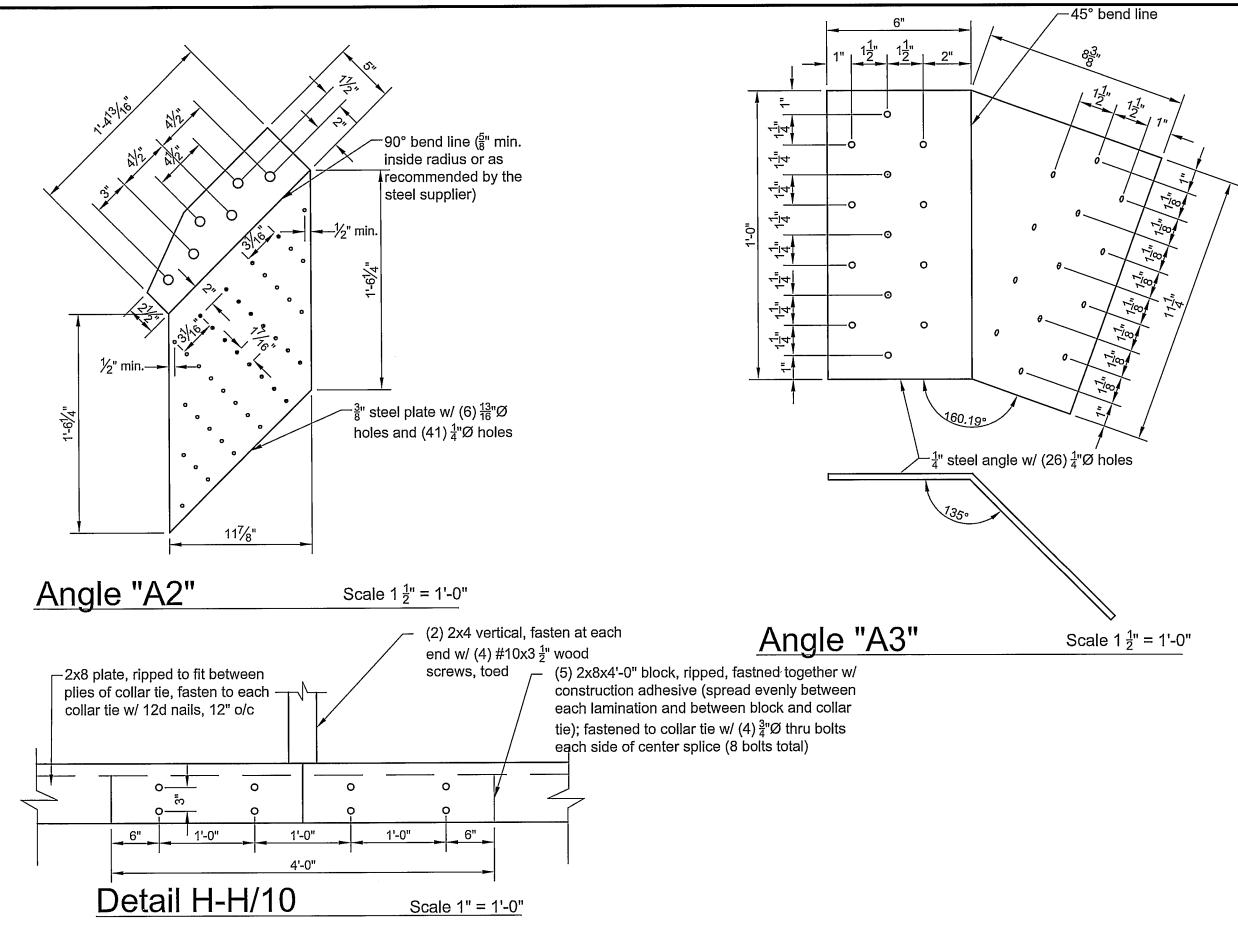
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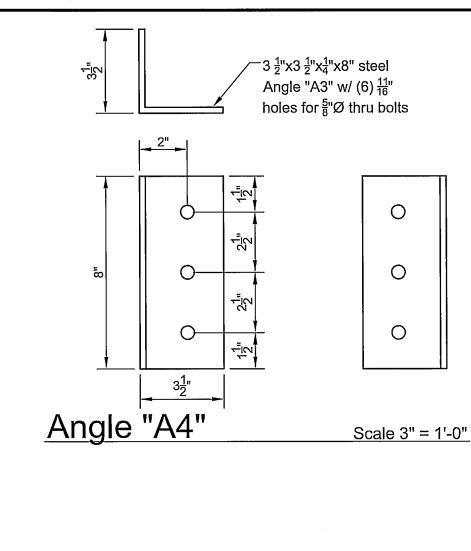
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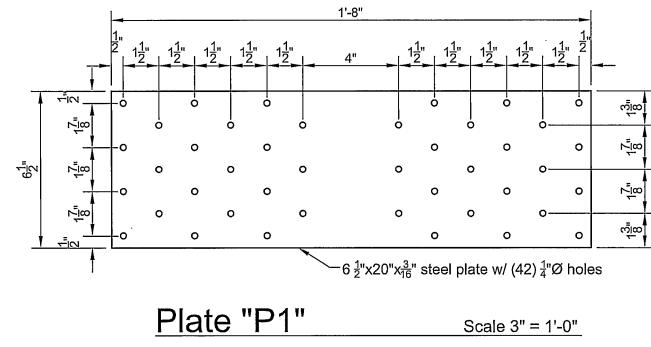
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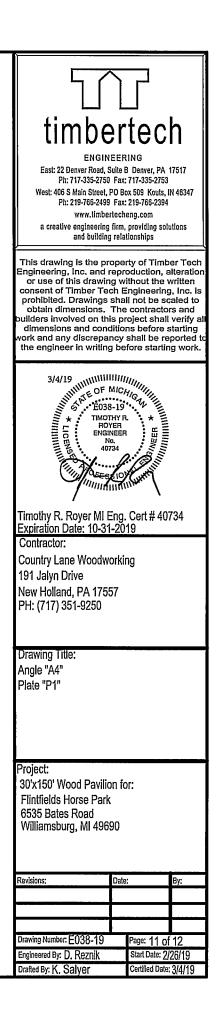
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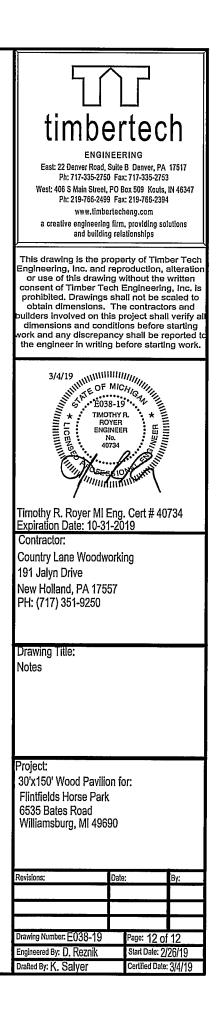
EARTHWORK

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- 1. Requirements
- A. Provide a construction grade extending ten feet beyond building exterior walls or an alternative method per Section 1804.3 of the IBC.
- B. Excavate for foundations to subgrade elevations regardless of character of materials and obstructions encountered, unless otherwise approved by the structural engineer.
- C. Perform excavation work in compliance with applicable requirements of authorities having jurisdiction.
- 2. Materials
- A. Satisfactory soil: ASTM D2487 unified soil classification groups GW, GP, GM, SW, SP, and SM; free of rock or gravel larger than two inches in any dimension, debris, waste, frozen materials, vegetation, or other deleterious matter.
- B. Unsatisfactory soil: ASTM D2487 unified soil classification groups GC, SC, ML, MH, CL, CH, OL, OH, and PT.
- C. Backfill and fill: satisfactory soil materials.
- 3. Execution
- A. Footings have been designed for an assumed allowable loadbearing pressure of 2,000 psf on supporting soil at 1 foot deep into grade. Pressure may be increased 20% for each additional 1 ft of width and/or depth to a maximum of 6,000 psf. The contractor shall verify this assumption, and shall immediately notify the structural engineer in writing of any deficiency.
- B. Place backfill and fill in layers not more than eight inches in loose depth at optimum moisture content. Compact each layer under footings and slabs to a dry density of at least 95 percent of maximum dry density as determined by ASTM D155.
- C. Bottom of exterior footings shall be a minimum of 36 inches below finished grade, unless noted otherwise

CAST-IN-PLACE CONCRETE

- 1. Concrete work shall conform to the following specifications by The American Concrete Institute (ACI).
- A. "Building Code Requirements for Structural Concrete" (ACI 318).
- B. "Hot Weather Concreting" (ACI 318).
- C. "Cold Weather Concreting" (ACI 318).
- 2. Materials used shall adhere to the following:
- A. Portland Cement: ASTM C150, type 1.
- B. Fly Ash: ACI 318.
- C. Aggregates: ASTM C33, maximum aggregate size is one inch.
- D. Fiberglass reinforcement: PCI MNL 128 Standard.
- E. Air-entraining admixture: ACI 318.
- F. Chemical admixtures: ASTM C494, water reducing. All concrete, except footings, shall contain a water reducing admixture. No admixtures containing calcium chloride are permitted. All other additives shall not be used without prior approval of the structural engineer.
 G. Vapor retarder: Clear 8-mil thick polyethylene.
- 3. Proportion normal-weight (145 pcf) concrete mixes to provide the following
- properties:
- A. Compressive strength: 3,000 psi at 28 days (unless noted otherwise).
- B. Slump limit: 4 inches (3 inches for slab-on-grade) at point of placement.
- C. Water-cement ratio: 0.45 maximum at point of placement.
- D. Air content: 5 to 7 percent for concrete exposed to freezing and thawing, 2 to 4 percent elsewhere.
- 4. Reinforcing steel shall be fabricated, detailed and placed in accordance with the ACI 318, and shall conform to the following:
- A. Deformed reinforcing bars: ASTM A615/A 615M with a minimum yield strength of 60,000 psi (grade 60).
- B. Welded wire fabric (WWF): ASTM A185, flat sheets, not rolls.
- C. Ties/Stirrups: ASTM A615/A615M, grade 40.
- 5. Concrete work shall be executed according to the following:
- A. Maintain tolerances and surface irregularities within ACI 117 limits of class A for concrete exposed to view, and class C for other concrete surfaces. Floor slabs shall be screeded, floated and steel troweled to a smooth, dense and plane surface.
- B. Accurately position, support, and secure reinforcement.
- 1. Reinforcing bars shall lap 48 bar diameters at splices in concrete unless otherwise noted.
- 2. Provide corner bars to match all continuous reinforcing in concrete and masonry.
- 3. Reinforcing bar hooks shall be ACI standard.
- 4. WWF shall have ends lapped one full mesh, and shall extend onto supporting walls.
- 5. Chairs, bolsters, bar supports, and spacers shall be sized and shaped for strengthand support of reinforcement during concrete placement.
- C. Provide minimum concrete cover on reinforcing bars as follows:
- 2. Exposed to earth or weather (#5 or smaller)...1 1/2"
- 3. Exposed to earth or weather (#6 or larger)......2"
- D. The contractor shall be responsible for stability and integrity of all excavations and existing structures.



Mansfield

Land Use Consultants

Site Storm Water Calculations:

Project & No.:	Bates Horse Park Arena Changes			
Project No.:	19039			
Location:	Acme Township			
Client:	Traverse City Horse Shows			
Rational =	Q = C iA			
Intensity = i =	100-yr, 24-hour duration = 5.08 in (Bulletin 71) Intensity i = 0.212 in/h	ŕ		
Coefficient = C =	weighted C (Per Table 2: Runoff Coefficients)			
Area = A = varies per drainage area (ac.) (Varies based on drainage areas)				
Unit Conversion =	86,400			
Soils Type = Predominant USDA Soils: EyC (Emmet Sandy Loam 6-12%)				
Infiltration Rate =	1.00 in/hr (1.0"/12")) ft x 24-hr x A (sft) = cft	_		
AREA 1	0.00 ac.			

	0.00 ac.					
POSTDEVELOPMENT CONDITIONS						
NO.	. Area Type	С	i	A (ac.)	conversion	Q (cft)
1	Gravel	0.60	0.212	0.40 ac.	86,400	4389 cft
		On-	Site Total =	0.40 ac.	Total Q =	4389 cft
					-	
Required 100-yr Post Development Total Q = 4389 (4389 cft			
						0

Required 2x100-yr Post Development Total Q = 8778 cft

Pre Development Q = 0 cft

Required Additional Storage = 8778 cft

Provided Additional Basin Storage = 9887 cft

Excess Storage = 1109 cft



Engineers • Surveyors Landscape Architects Environmental Services

May 21, 2019

Mr. Shawn Winter, Zoning Administrator Acme Township 6042 Acme Road Williamsburg, MI 49690

Re: Flintfields Stormwater Changes

Dear Shawn:

Per your request, we have reviewed the proposed changes at the Flintfields Horse Park on Bates Road for impact to the stormwater management system. Proposed changes to the previously approved use generally include reconfiguring the arena layout and gravel access drives and modifying the storm water basin.

The impervious surfaces within the construction zone include a small amount of concrete and gravel drives. The net changes proposed to these areas include a reduction in concrete of about 1500 sft and additional gravel area of 17,500 sft. Calculations provided by the applicant's consultant, Mansfield Land Use Consultants, show an additional volume of 8,778 cubic feet is required to accommodate the stormwater runoff from this area for the back to back 100-year storm. The proposed modifications to the stormwater retention basin provide an additional 20,095 cubic feet.

We have verified that the areas and volumes of proposed changes shown on the plans are consistent with the calculations provided by the applicant. The proposed changes to the stormwater management system can comfortably accommodate the additional runoff generated from the site construction area.

Feel free to contact me with any questions.

Sincerely,

GOSLING CZUBAK

Robert M. Versta

Robert M. Verschaeve, P.E. Project Manager



GRAND TRAVERSE COUNTY ENVIRONMENTAL HEALTH SOIL EROSION AND SEDIMENTATION CONTROL (SESC) PERMIT

Issued under the authority of Part 91, Soil Erosion and Sedimentation Control, of the Natural Resources and Environmental Protection Act, (1994 PA 451, as amended) and/or Grand Traverse County SESC Ordinance.

Property Owner (Permittee): TRAVERSE CITY HORSE SHOWS, LLC	Permit #: <u>19-00439</u>			
Mailing Address: 15355 DE HAVILLAND CT	Type: COMMERCIAL			
City, State, Zip: WELLINGTON, FL 33414	Date Issued: 05/14/19			
Phone: 941-915-3457	Site Priority: Moderate (3)			
	Expiration: 11/14/19			
	Fee: \$1,560.00			
Contractor/On-Site Responsible Person:	Receipt #: 47960			
Name: TRAVERSE CITY HORSE SHOWS, LLC	Renewal:			
Mailing Address: 15355 DE HAVILLAND CT				
City, State, Zip: WELLINGTON, FL 33414	DEQ PERMIT (if applicable) Permit #:			
Phone: 941-915-3457				
Email: <u>MATT@MMG.MANAGEMENT</u>	Issue Date:			
PROJECT LOCATION				
Site Address: 6535 BATES RD	Township: ACME			
Tax Number: 01-014-008-01	Section: 31 Town: 28N Range: 9W			
Subdivision:	Lot #·			

PERMITTED ACTIVITY:

EXCAVATION AND GRADING FOR REALIGNMENT/RECONSTRUCTION OF RIDING ARENAS.

PERMIT CONDITIONS

- 1. The permitted activity shall be completed in accordance with the approved plans and specifications, and the attached general and specific conditions.
- 2. This permit does not waive the necessity for obtaining all other required federal, state, or local permits.
- 3. Permittee shall notify the permitting agency within one week after completing the permitted activity or one week prior to the permit expiration date, whichever comes first.

THIS PERMIT ALONG WITH THE SOIL EROSION SITE PLAN AND GREEN CARD MUST BE POSTED AT THE PROJECT SITE

GENERAL CONDITIONS

In accordance with Rule 1709 promulgated under the authority of Part 91, Soil Erosion and Sedimentation Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and in addition to the information on the attached plan(s) and special conditions, the following general conditions apply to the earth change authorized by this permit:

- Design, construct, and complete the earth change in a manner that limits the exposed area of disturbed land for the shortest period of time.
- Remove sediment caused by accelerated soil erosion from runoff water before it leaves the site of the earth change.
- 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.
- 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.)
- Complete permanent soil erosion control measures for the earth change within five calendar days after final grading or upon completion of the final earth change. If it is not possible to permanently stabilize the earth change, then maintain temporary soil erosion and sedimentation control measures until permanent soil erosion control measures are in place and the area is stabilized.

SPECIFIC CONDITIONS

THIS PERMIT IS APPROVED ACCORDING TO THE SITE PLAN RECEIVED ON MAY 6, 2019 WITH THE FOLLOWING ADDITIONAL REQUIREMENTS:

1. INSTALL SILT FENCE AS SHOWN ON SITE PLAN PER MANUFACTURER'S SPECIFICATIONS, PROPERLY TRENCHED 6 INCHES AND ENDS WRAPPED (SEE ATTACHED HANDOUT).

2. ALL SPOIL AND DEBRIS PILES SHALL BE STORED BEHIND THE SILT FENCE SO AS NOT TO ALLOW SEDIMENT OR DEBRIS FROM ENTERING THE FLOOD PLAIN OR LAKE AS SHOWN ON THE SITE PLAN.

3. IF WIND EROSION BECOMES AN ISSUE, A WATER TRUCK WILL BE REQUIRED.

4. INSTALL EROSION CONTROL BLANKETS, PROPERLY STAKED DOWN, ON ANY SLOPE 3:1 OR GREATER PER MANUFACTURER'S SPECIFICATIONS (SEE ATTACHED HANDOUT).

5. WITHIN 5 DAYS OF FINAL GRADING, PLACE SEED AND STRAW MULCH OVER ALL DISTURBED AREAS. IT IS HIGHLY RECOMMENDED TO PLACE 4 INCHES OF TOPSOIL ON ALL DISTURBED AREAS TO SPEED VEGETATION GROWTH. A LACK OF TOPSOIL MAY INHIBIT VEGETATION GROWTH AND DELAY SITE STABILIZATION.

6. ANY VEGETATION SHALL BE WELL ESTABLISHED AND SHOW SIGNIFICANT GROWTH IN ORDER TO FINAL THIS PERMIT.

SESC Issuing Sanitarian BRENT WHEAT, 231-995-6015

05/14/19 Issue Date

Shawn Winter

From:Kathy Fordyce <kfordyce@gtmetrofire.org>Sent:Monday, May 20, 2019 1:26 PMTo:Shawn WinterSubject:FW: Traverse City Horse Shows, LLC

Kathy Fordyce Fire Inspector II / Fire Plans Examiner Grand Traverse Metro Fire Dept.

TX: 231-947-3000 X 1236 FX: 231-947-8728

From: Kathy Fordyce Sent: Thursday, May 16, 2019 4:12 PM To: Dusty Christensen Subject: RE: Traverse City Horse Shows, LLC

Dusty,

Here is what I am looking for:

- 1. Emergency access to each of the proposed arenas.
- 2. Emergency access to the bleachers on the South side of the West Arena.
- 3. Dead ends are not acceptable, either approved turnarounds are required or access roads that continue on uninterrupted back to Bates Rd.
- 4. Emergency access roads cannot be congested with people and horses, the emergency access roads shall be separate from people and horse moving roads. This is something that needs to be addressed complex wide.
- 5. Emergency access roads shall be marked as such with approved signage.
- 6. Emergency access road widths.

Thank you,

Kathy Fordyce Fire Inspector II / Fire Plans Examiner Grand Traverse Metro Fire Dept.

TX: 231-947-3000 X 1236 FX: 231-947-8728

From: Dusty Christensen [mailto:dusty@maaeps.com] Sent: Thursday, May 16, 2019 10:52 AM To: Kathy Fordyce Subject: RE: Traverse City Horse Shows, LLC

Hi Kathy,

Here are PDFs of the site plan and building drawings.

Thanks,

Dusty Christensen, LLA *Mansfield Land Use Consultants* 830 Cottageview Drive, Suite 201 Traverse City, MI 49685 office: (231) 946-9310 ext. 1008 cell: (231) 360-7021

From: Kathy Fordyce <<u>kfordyce@gtmetrofire.org</u>> Sent: Thursday, May 16, 2019 10:43 AM To: Dusty Christensen <<u>dusty@maaeps.com</u>> Subject: Traverse City Horse Shows, LLC

Hello Dusty,

Please submit an electronic copy of the Site Plan as well.

Thank you,

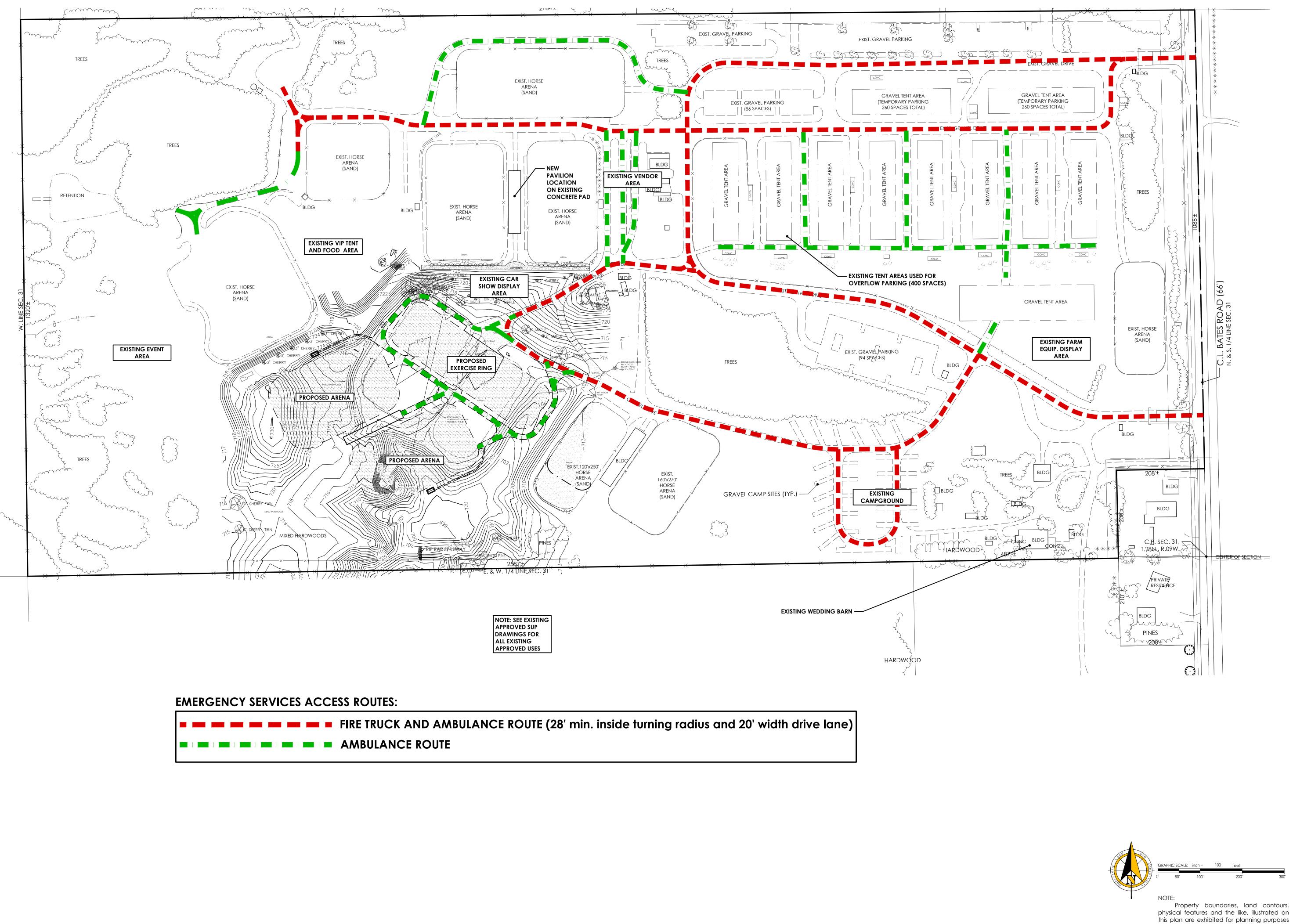
Kathy Fordyce Fire Inspector II / Fire Plans Examiner Grand Traverse Metro Fire Dept.

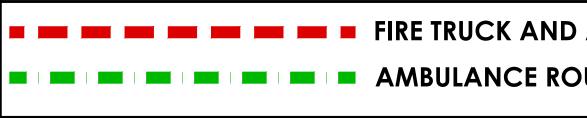
TX: 231-947-3000 X 1236 FX: 231-947-8728

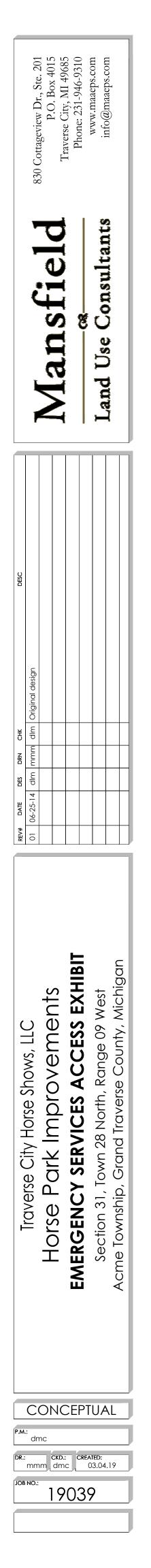
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only. Mansfield Land Use Consultants makes

no guarantee to the correctness nor the

completeness of this information.

Shawn Winter

From:	Kathy Fordyce <kfordyce@gtmetrofire.org></kfordyce@gtmetrofire.org>
Sent:	Tuesday, May 21, 2019 3:48 PM
То:	Dusty Christensen
Cc:	Shawn Winter
Subject:	Horse Park Improvements Site Plan

Dusty,

I received the revised site plan regarding the list of requirements to be met. Some of the items were addressed with the revised site plans, however, there are still several yet to work on. I will be discussing these with Chief Belcher after doing more research and then draft a formal site plan review hopefully within the next couple of days.

If you have any further questions or concerns, please don't hesitate to call.

Regards,

Kathy Fordyce Fire Inspector II / Fire Plans Examiner Grand Traverse Metro Fire Dept.

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