



AGENDA

VILLAGE OF LITTLE CHUTE PLAN COMMISSION MEETING

PLACE: Little Chute Village Hall – Village Board Room

DATE: Monday, April 10, 2023

TIME: 6:00 p.m.

Virtually attend the April 10th Plan Commission meeting at 6 PM by following the link here:

Join Zoom Meeting: <https://us06web.zoom.us/j/81890701375>

Meeting ID: 818 9070 1375

Dial by your location: +1 312 626 6799 US (Chicago)

A. Call to Order

B. Roll Call

C. Public Appearance for Items Not on the Agenda

1. Approval of Minutes from the Plan Commission Meeting of March 13, 2023
2. Public Hearing – 418 Florida Home Occupation
3. Action – 418 Florida Home Occupation
4. Discussion/Recommendation—1206 Rosehill Rezone
5. Discussion/Recommendation—Sec 44-191 Update
6. Discussion/Recommendation—Sec 44-192 Update
7. Recommendation—Founders Preliminary Plat
8. Discussion/Recommendation—Site Plan for Midwest Truck
9. Discussion/Action—Widening of Driveway for 2125 W. Evergreen Dr.
10. Discussion/Recommendation—Site Plan for Grit 365
11. Discussion/Recommendation—Sec 44-394 Update
12. Discussion/Recommendation Sec 8 Updates

13. Items for Future Agenda

14. Adjournment

Requests from persons with disabilities who need assistance to participate in this meeting or hearing should be made with as much advance notice as possible to the Clerk's Office at 108 West Main Street, (920) 423-3852 April 6, 2023

MINUTES OF THE PLAN COMMISSION MEETING OF MARCH 13, 2023

Call to Order

The Plan Commission meeting was called to order at 6:00 PM by President Vanden Berg

Roll Call

PRESENT: President Vanden Berg
Jim Moes
Bill Van Berkel
Kent Taylor
Larry Van Lankvelt
Todd Verboomen

STAFF PRESENT: Dave Kittel, Beau Bernhoft

Public Appearance for Items Not on the Agenda

None

Approval of Minutes from the Plan Commission Meeting of February 13, 2023

Moved by Commissioner Van Lankvelt, seconded by Commissioner Taylor to approve the Plan Commission Meeting Minutes of February 13, 2023.

All Ayes – Motion Carried

Public Hearing – 819 Grand Home Occupancy for in Home Daycare

Moved by Commissioner Moes, seconded by Commissioner Verboomen to enter Public Hearing at 6:00PM.

All Ayes – Motion Carried

Director Kittel presented an application to run an in home daycare at 819 Grand Ave. Home occupation will be run in accordance to state statutes. Applicant is finishing off state licensing process. No major concerns were brought up by staff. Commissioner Moes brought up concerns about parking and backing up onto Grand during school hours. Property owners are willing to block off driveway, have parents drop off on road. Commissioner Van Lankvelt inquired about the hours. Applicant stated the hours would be 7am – 5pm and is expecting 6 full-time students and 1 part-time.

Moved by Commissioner Van Lankvelt, seconded by Commissioner Verboomen to exit Public Hearing at 6:05pm.

All Ayes – Motion Carried

Discussion/Action – 819 Grand Home Occupancy for in Home Daycare

Commissioner Van Lankvelt asked about state licensing process. Ms. Johnson stated her progress and schooling that has been in completed. She is awaiting a home inspection in April to complete her license.

Moved by Commissioner Moes, seconded by Commissioner Van Lankvelt to grant permission for the home occupancy for home daycare subject to operators prohibiting driveway use by patrons for drop off/pick up.

All Ayes – Motion Carried

Public Hearing – Conditional Use 1320 E Main St

Moved by Commissioner Van Lankvelt, seconded by Commissioner Verboomen to enter Public Hearing at 6:08pm

All Ayes – Motion Carried

Director Kittel presented a conditional use request for 1320 E Main Street, the former Tim & Jays Auto. The new user will be using it in a similar manner- auto repair and sales. No questions or concerns were brought up. The Owner clarified the lot will be cleaned and improved and regular maintenance will be performed.

Moved by Commissioner Van Berkel, seconded by Commissioner Van Lankvelt to Exit Public Hearing at 6:13pm

All Ayes – Motion Carried

Discussion/Action – Conditional Use 1320 E Main St

Director Kittel commented, for consistency a similar recent request included a condition that no vehicles may be disassembled in the parking lot and should be included on this request.

Moved by Commissioner Moes, seconded by Commissioner Van Berkel to grant the conditional use request on 1320 E Main with the condition that no vehicles may be disassembled outdoors and security will be installed should sales be pursued.

All Ayes – Motion Carried

Recommendation – CSM Tri-S Management

Director Kittel presented a CSM to split a portion of Village owned property to sell a neighboring property. Staff recommend approving the CSM.

Moved by Commissioner Van Lankvelt, seconded by Commissioner Van Berkel to recommend to the Village Board to approve the CSM for Tri-S Management.

All Ayes – Motion Carried

Discussion/Action – Sec 44-394 Fence Update

Director Kittel presented information on the Village Fence Ordinance. Residents have requested this ordinance be updated/amended. After a general discussion this topic will be brought back to the Plan Commission for further review and recommendation.

No action taken

Discussion/Recommendation – Sec. 8 Update

Tabled to future meeting for Plan Commission Review

Recommendation – CSM Agropur

Director Kittel presented a CSM from Agropur combining lots owned by Agropur on Karen Drive.

Moved by Commissioner Verboomen, seconded by Commissioner Van Lankvelt to recommend CSM to Village Board.

All Ayes – Motion Carried

Discussion – Section 44-191 44-192

Director Kittel presented updates to ordinances that have received questions and general concerns from residents. Commissioner Moes stated he is in favor of reviewing ordinances but does not want commercial vehicles stored in residential areas. Plan Commission is in favor of these updates.

No action taken

Items for Future Agenda

Sec. 8 Update

Adjournment

*Moved by Commissioner Verboomen, seconded by Commissioner Van Lankvelt to Adjourn Plan
Commission Meeting at 6:33 PM*

All Ayes – Motion Carried

VILLAGE OF LITTLE CHUTE

By: _____
Michael Vanden Berg, Village President

Attest: _____
Laurie Decker, Village Clerk



Item For Consideration

For Plan Commission Review On: 4/10/2023

Prepared On: 3/16/2023

Agenda Item Topic: CU/Home Occupation 418 W Florida

Prepared By: Dave Kittel CDD

Report:

on April 11, 2022 the Plan Commission approved a Conditional Use/ Home Occupation for an automobile detailing business for one year trial and then to come back to the Plan Commission. The one year has expired and this is coming back before the Plan Commission for this condition. No complaints have been received by the Community Develop Department regarding this use at the property. In Order to ensure that there were not any concerns brought up during the year notice of this meeting where sent to all properties with 100 feet of the subject property and notice was place in the paper for a hearing on this matter. The Conditions placed on this use are below:

- no parking is allowed on the street
- no advertising signs on the property
- Hours be between 10am and 6pm
- one year time period
- neighbors can ask Plan Commission to review anytime between granting the use and the one year test period.

Fiscal Impact: None

Recommendation/ Action: Discussion on the request and if no additional concerns are brought up to approve the use with the previous conditions excluding the one year provision.

Respectfully Submitted,

Dave Kittel, Community Development Director

**VILLAGE OF LITTLE CHUTE
PLAN COMMISSION
NOTICE OF PUBLIC HEARING**

CONDITIONAL USE REQUEST

NOTICE IS HEREBY GIVEN that a Public Hearing will be held on April 10, 2023 at 6:00 p.m. by the Plan Commission, for consideration of the continuing a conditional use under authority provided in Section 44 Village Code of Ordinance. Owner requests a conditional use permit for a home-based occupancy, more specifically to operate an automotive detailing company out of the attached garage under the name Eagle Eye Detailing. The property is Zoned; RC-Residential single-family District in the Village of Little Chute, Outagamie County, Wisconsin.

Address: 418 W Florida Ave
Parcel # 260332600
Legal Description: LOT 29 ORCHARD ESTATES

Current Owner: Kyle & Julia Neveau
Applicant: Kyle & Julia Neveau

DATE OF HEARING: April 10, 2023
TIME OF HEARING: 6:00 p.m.
PLACE OF HEARING: Village Hall
Board Room
108 West Main Street
Little Chute, WI 54140

Publish: April 5, 2023

Reasonable accommodations for persons with disabilities will be made upon request and if feasible.

VILLAGE OF LITTLE CHUTE
APPLICATION FOR HOME OCCUPATION PERMIT

SITE ADDRESS 418 W Florida Ave

PROPERTY OWNER(S) Kyle & Julia Neveau

ADDRESS/ZIP 418 W. Florida Ave TELEPHONE 920-255-4311

CITY/ZIP Little Chute, WI 54140 FAX _____

OCCUPANT/APPLICANT(S) Kyle Neveau

BUSINESS/CORPORATION NAME (IF APPLICABLE) Eagle Eye Detailing

ADDRESS 418 W. Florida Ave TELEPHONE 920-381-5386

CITY/ZIP Little Chute, WI 54140 FAX _____

DESCRIBE IN **DETAIL** ALL EXISTING USES AND OF ADDITIONAL USES BEING PROPOSED FOR THIS LOCATION
APPLICANT MAY INCLUDE ANY ATTACHMENTS SUCH AS MAPS, DRAWINGS, PLANS, LEASE DOCUMENTS, ETC.
-COMPLETE DETAILS OF ALL USES MUST BE INCLUDED, OMISSIONS SHALL BE CAUSE FOR DENIAL OR REVOCATION-

Continuation of Automotive Detailing Business operating out of the residential garage

DESCRIBE ALL HOURS OF OPERATION FOR EXISTING AND PROPOSED COMMERCIAL NON-RESIDENTIAL USES
9-7

DESCRIBE ALL AREAS (1ST FLOOR, 2ND FLOOR, BASEMENT, ETC.) AND INCLUDE THE ACTUAL SQUARE FOOT AREA WHICH WILL BE USED FOR ANY PROPOSED COMMERCIAL/BUSINESS USES.

ZONING DISTRICT _____ LOT SIZE _____

OF STORIES 1 BASEMENT ☒ YES ___ NO ___ BUILDING HEIGHT _____ TOTAL FLOOR AREA 1844

TOTAL # OF EMPLOYEES PROPOSED (IF APPLICABLE) _____ NUMBER OF ON SITE PARKING STALLS _____

I CERTIFY THAT THIS APPLICATION AND ANY ATTACHMENTS ARE, TO THE BEST OF MY KNOWLEDGE, COMPLETE IN ACCORDANCE WITH ALL APPLICABLE CODES.

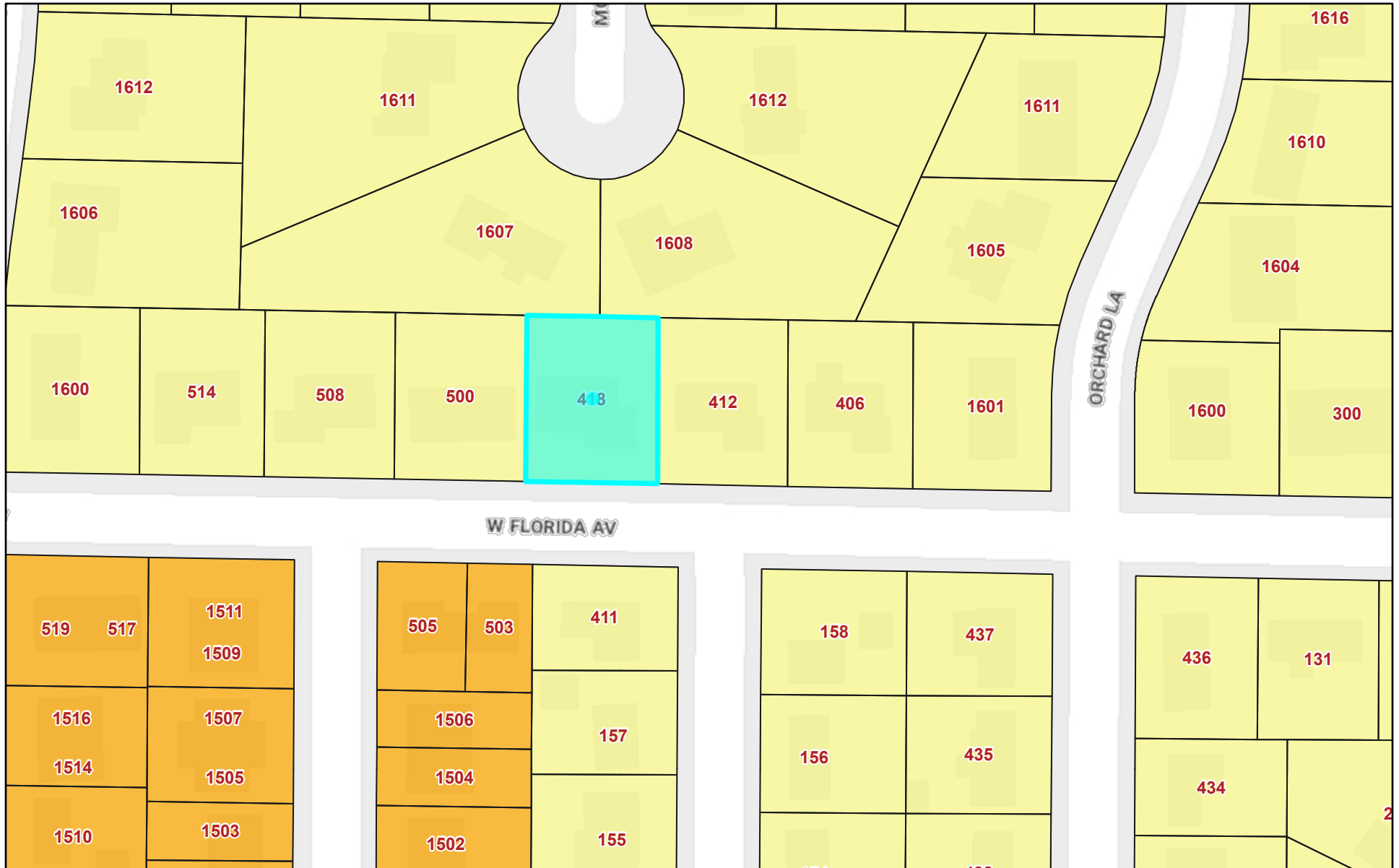
APPLICANT SIGNATURE _____ DATE / /

OWNER SIGNATURE _____ DATE / /

OCCUPANCY APPROVED BY _____ DATE / /

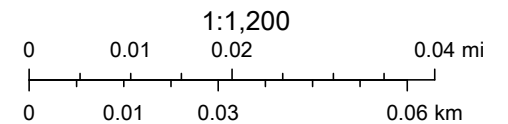
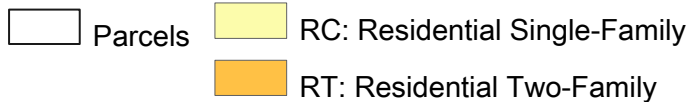
OCCUPANCY DENIED BY _____ DATE / /

418 W Florida map



3/15/2023, 5:50:27 PM

Address Zoning



Robert E. Lee & Associates, Inc., Outagamie County

Village of Little Chute
Robert E. Lee & Associates, Inc., Outagamie County



Little Chute

ESTABLISHED 1848

Date Received: 3/9/2023
Receipt No. 11.078274
Fee \$175

APPLICATION: ZONING CHANGE REQUEST FORM

To: Board of Trustees, Village of Little Chute, Outagamie County, WI

Applicant: Brett Terry
2220 E. Wisconsin Ave Kaukauna
920.540.0136

Applicant named above, files herewith this Request for a change in Zoning of the following described property:

Empty lot 1206 Rosehill Rd. Kaukauna
Currently Zoned Single family single
Use Zoned Multi family (Duplex)

Applicant herewith requests the Village Board to change zoning of the above-described property

from: RC Residential Conventional District

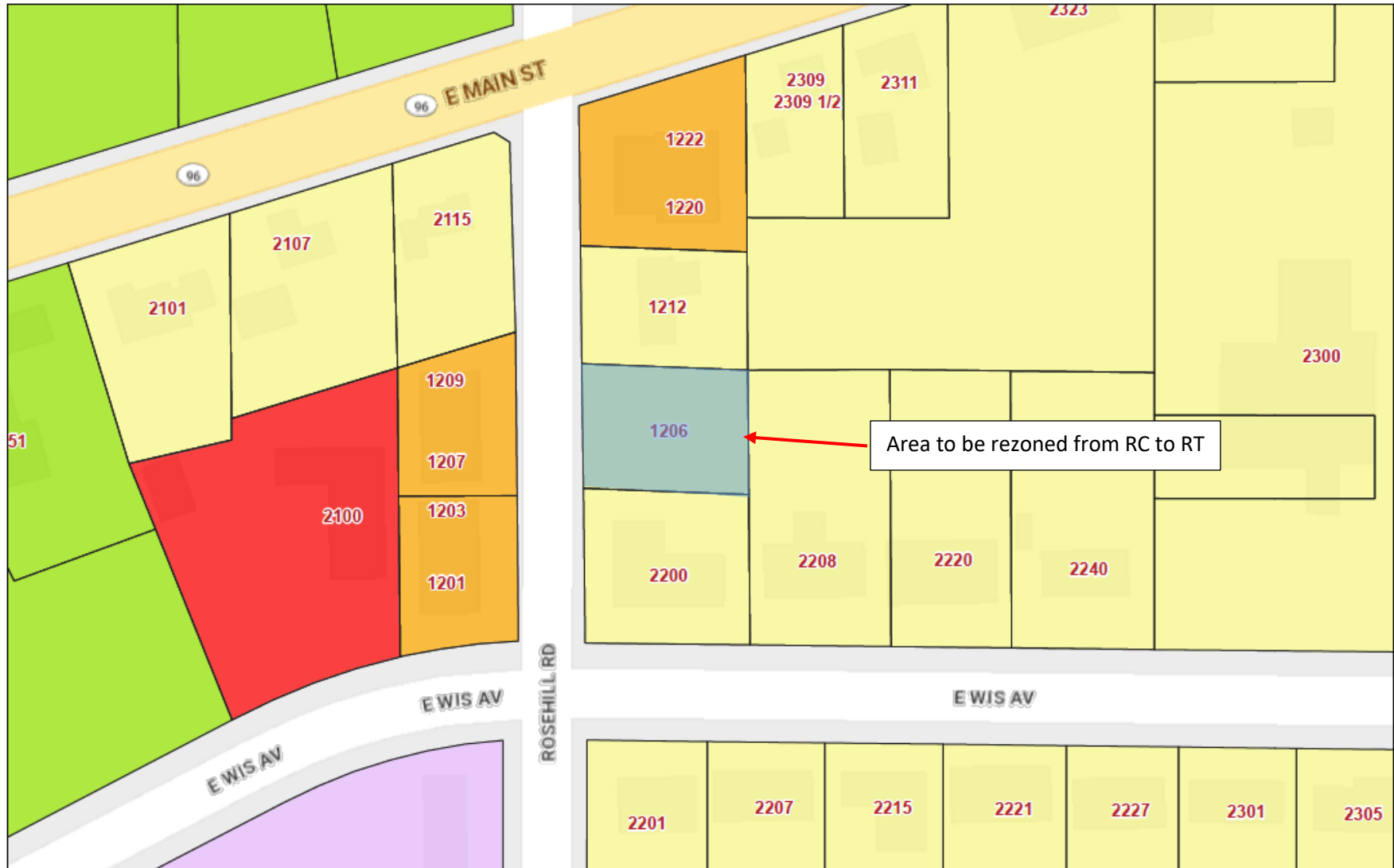
to: RT Residential Two family District

Signed: Brett Terry Dated: 3/7/23

Attach a Scale Map (1" = 100') showing the area requested to be rezoned including all areas within 300 feet of the area requested. Attach a list of owners' names and addresses of all properties lying within 100 feet of the area proposed to be rezoned. Attach any documents the applicant may wish to include which may be of guidance or interest to the Village Board and Plan Commission.

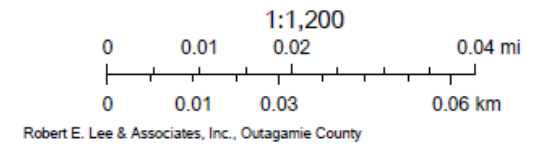
(See reverse)

1206 Rosehill Rezoning Map



3/15/2023, 11:48:33 AM

Address	Zoning
Parcels	CH: Commercial Highway District
	CS: Commercial Shopping Center District
	RC: Residential Single-Family
	RT: Residential Two-Family
	RM: Residential Multi-Family



VILLAGE OF LITTLE CHUTE

ORDINANCE NO. , SERIES OF 2023

AN ORDINANCE AMENDING THE ZONING CODE SECTION 44-191(b) OF THE VILLAGE OF LITTLE CHUTE MUNICIPAL CODE.

WHEREAS, the Plan Commission of the Village of Little Chute has recommended the following ordinance amendments; and,

WHEREAS, the required public hearing has been held before the Village Board of Trustees, Village of Little Chute; and,

WHEREAS, the Village Board of Trustees, Village of Little Chute, finds the following ordinance amendments to be in the public interest;

NOW, THEREFORE, the Village Board of Trustees, Village of Little Chute, do ordain as follows:

Section 1. That the Zoning Ordinance, Section 44-191(b) of the Municipal Code of the Village of Little Chute are hereby amended to read as follows, :

- (b) *Permitted parking or storage of recreational vehicles, automobiles and utility trailers.* In all residential and commercial districts provided for in this zoning chapter, it is permissible to park or store a recreational vehicle or boat and boat trailer or automobile or utility trailer on private property in the following manner:
- (1) The body of the vehicle must be five feet from the face of any curb or, if no curb, ten feet from the edge of the pavement.
 - (2) No part of the unit may extend over the public sidewalk or public right-of-way.
 - (3) Parking is permitted only for storage purposes. Vehicles shall not be:
 - a. Used for dwelling purposes, except for overnight sleeping for a maximum of three consecutive days. The zoning administrator may extend the time period if no complaints are received. Cooking is not permitted at any time.
 - b. Permanently connected to sewer lines, water lines or electricity. The vehicle may be connected to electricity temporarily for charging batteries and other purposes.
 - c. Used for storage of goods, materials or equipment other than those items considered to be part of the unit or essential for its immediate use.
 - (4) Notwithstanding the restrictions in this section, a unit may be parked anywhere on the premises during active loading or unloading, and the use of electricity or propane fuel is permitted when necessary to prepare a recreational vehicle for use not to exceed 24 consecutive hours.
 - (5) If the vehicle is stored on a property with residential zoning, the vehicle shall be owned by the resident on whose property the unit is parked for storage.
 - (6) No storage or parking shall be allowed on lawns in front or side yards.
 - (7) Parking or storage in rear yards is allowed on lawns subject to minimum setbacks of three feet from neighboring side or rear lot lines and 15 feet from street property lines.

- (8) All paved parking or storage areas shall be surfaced with a dustless all-weather material capable of carrying a wheel load of 4,000 pounds (normally, a two-inch blacktop on a four-inch base or five inches of Portland cement will meet this requirement).

Section 2. Effective Date. This Ordinance shall take effect upon the adoption and publication and enactment of the Ordinance by the Village Board of Trustees, Village of Little Chute.

Introduced: April 19, 2022

Approved and adopted: May __, 2022

VILLAGE OF LITTLE CHUTE

By: _____
Michael R. Vanden Berg, Village President

Attest: _____
Laurie Decker, Village Clerk

VILLAGE OF LITTLE CHUTE

ORDINANCE NO. , SERIES OF 2023

AN ORDINANCE AMENDING THE ZONING CODE SECTION 44-192(a) OF THE VILLAGE OF LITTLE CHUTE MUNICIPAL CODE.

WHEREAS, the Plan Commission of the Village of Little Chute has recommended the following ordinance amendments; and,

WHEREAS, the required public hearing has been held before the Village Board of Trustees, Village of Little Chute; and,

WHEREAS, the Village Board of Trustees, Village of Little Chute, finds the following ordinance amendments to be in the public interest;

NOW, THEREFORE, the Village Board of Trustees, Village of Little Chute, do ordain as follows:

Section 1. That the Zoning Ordinance, Section 44-192(a) of the Municipal Code of the Village of Little Chute are hereby amended to read as follows, :

- (a) *Truck parking in residential areas.* No motor vehicle with a tare or empty weight in excess of ~~8,000~~ 10,000 pounds, over 16 feet in length, or having a height of more than ~~8~~ 10 feet from the roadway, bearing a commercial license, including school buses, and no commercially licensed trailer, including semitrailers, shall be parked or stored in a residential district, except when loading, unloading or rendering a service.

Section 2. Effective Date. This Ordinance shall take effect upon the adoption and publication and enactment of the Ordinance by the Village Board of Trustees, Village of Little Chute.

Introduced: April 19, 2022

Approved and adopted: May __, 2022

VILLAGE OF LITTLE CHUTE

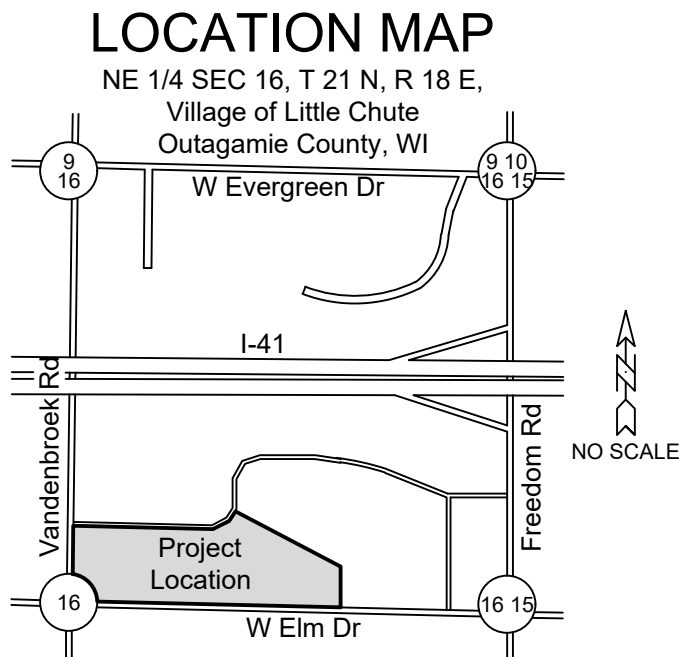
By: _____
Michael R. Vanden Berg, Village President

Attest: _____
Laurie Decker, Village Clerk

Preliminary Plat of

Founder's Estates

Part of the Southwest 1/4 of the Northeast 1/4 of Section 16,
Township 21 North, Range 18 East, Village of Little Chute, Outagamie County, Wisconsin



CURVE TABLE						
Curve	Radius	Chord Direction	Chord Length	Arc Length	Central Angle	Tangent Bearing-in / Tangent Bearing-out
C1	183.00'	N 59°40'29" E	192.06'	202.19'	63°18'13"	S 88°40'25" E / N 28°01'22" E



































LINE TABLE		
Line	Bearing	Length
L1	N 00°30'10" E	28.45'
L2	N 02°23'00" E	25.42'

SUPPLEMENTARY DATA

Total Area = 355,324 SF 8.1571 acres
R/W Area = 85,237 SF 1.9568 acres
Net Area = 270,087 SF 6.2003 acres
Number of Lots = 23
Average lot size = 11,861 SF
Typical lot dimension = 90'x 106'
Lineal feet of street = 1,276 LF
Existing zoning = Commercial Highway District
Proposed zoning = PUD - 2 Family Cluster Subdivision
Approving Authorities
Village of Little Chute
Objecting Authorities
Department of Administration
Outagamie County Planning & Zoning Committee

NOTES

1. Utility and Drainage Easements will be shown on Final Plat.

LEGEND					
	Overhead Electric Lines		Sanitary MH / Tank / Base		Deciduous Tree
	Utility Guy Wire		Storm Manhole		Coniferous Tree
	Sanitary Sewer		Inlet		Bush / Hedge
	Storm Sewer		Catch Basin / Yard Drain		Benchmark
	Underground Electric		Hydrant		1 1/2" Rebar Found
	Underground Gas Line		Utility Valve		1.3" O.D. Iron Pipe Found
	Underground Telephone		Light Pole / Signal		Government Corner
	Water Main		Guy Wire		3" Rebar Found
	Fence - Wood		Electric Pedestal		Asphalt Pavement
	Culvert		Electric Transformer		Concrete Pavement
	Index Contour				Gravel
	Intermediate Contour				
		+799.9	Ex Spot Elevation		



Bearings are referenced to the West line of the
Northeast 1/4, Section 16, T21N, R18E,
assumed to bear N00°30'10"E, base on the
Outagamie County Coordinate System.

SURVEYOR'S CERTIFICATE

I, James R. Schloff, hereby certify that this Preliminary Plat is a
correct representation of all existing land divisions and features, and
that I have complied with the preliminary plat requirements for the
Village of Little Chute.

James R. Schloff, P.L.S. No. S-2692

Date

Sanitary Structures						
Structure	#	Rim	Inv	Size	Material	Direction
MH	1	725.93	709.10	8"	PVC	N
MH	2	727.23	711.09	8"	PVC	S
MH	3	728.11	712.77	8"	PVC	W
MH	4	728.99	714.59	8"	PVC	W
MH	5	727.22	715.11	8"	PVC	W
MH	6	725.37	715.64	8"	PVC	SW
MH	7	723.37	716.63	8"	PVC	S

Storm Structures						
Structure	#	Rim	Inv	Size	Material	Direction
INL	A	725.56	722.28	12"	PVC	S
INL	B	725.59	722.34	12"	PVC	N
MH	C	725.84	721.71	18"	RCP	E
MH	D	729.10	720.11	24"	RCP	E
MH	E	730.26	719.46	24"	RCP	W
MH	F	727.34	718.88	24"	RCP	W
MH	G	725.70	718.12	24"	RCP	NE
MH	H	725.04	717.56	24"	RCP	SW
MH	I	723.32	715.47	24"	RCP	S
MH	J	724.80	718.75	15"	PVC	NW
CB	K	721.56	719.16	15"	PVC	N

Mar 17, 2023 — 09:26 AM u:\Projects\7507rom\dwg\Civil 3D\7507Plat.dwg Printed by: eric

DAVEL ENGINEERING & ENVIRONMENTAL, INC.
Civil Engineers and Land Surveyors
1164 Province Terrace, Menasha, WI 54952
Ph: 920-991-1886 Fax: 920-441-0804
www.davel.pro

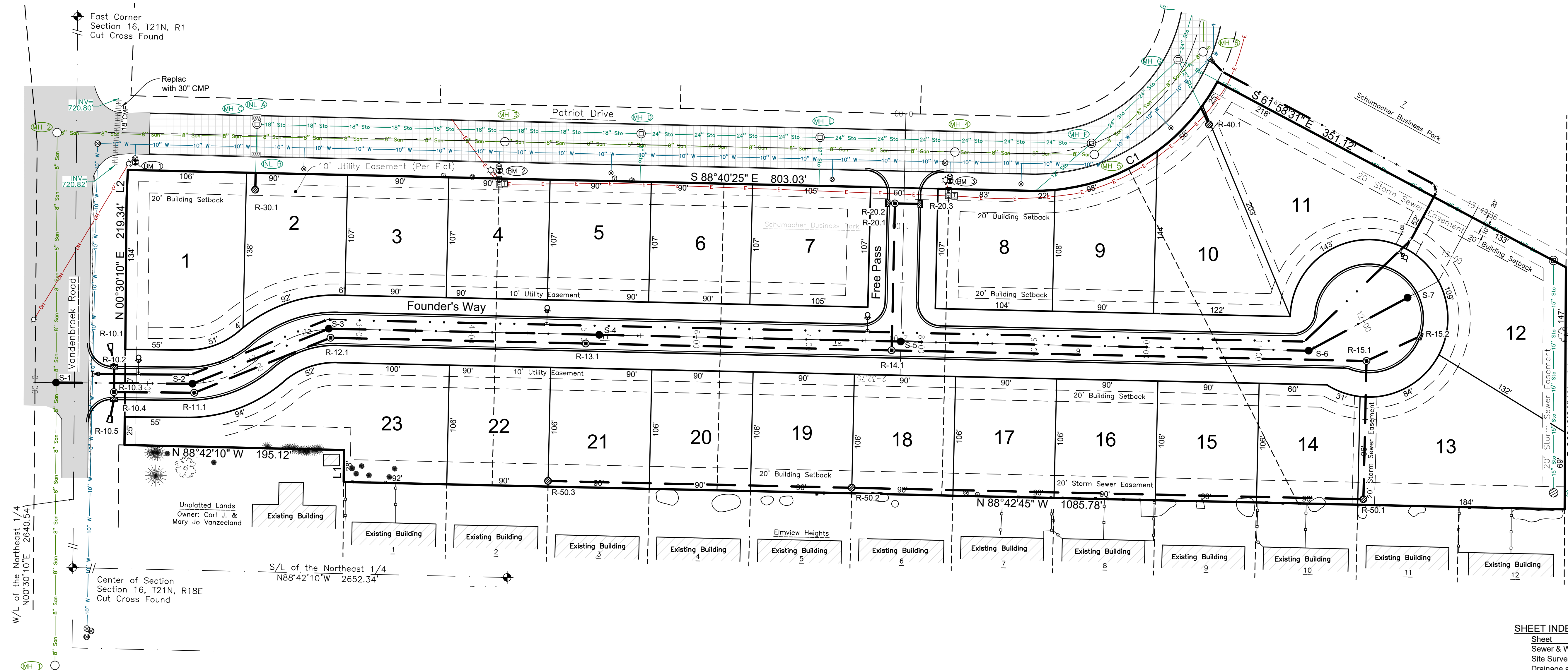
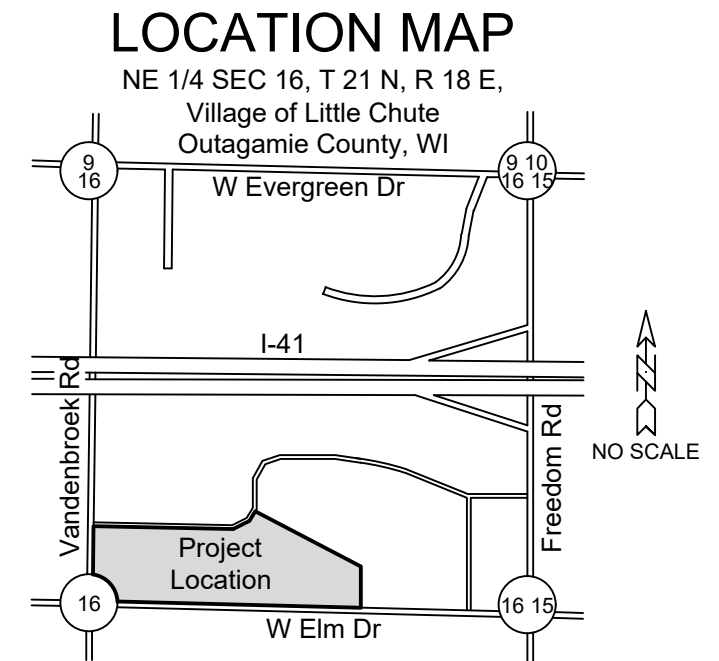
Preliminary Plat

Founder's Estates
Village of Little Chute, Outagamie County, WI
For: Romenesko Developments, Inc.

Date: 03/16/2023
Filename: 7507Plat.dwg
Author: eric
Last Saved by: eric
Page 1 of 1

Founder's Estates

Village of Little Chute, Outagamie County, WI
For: Romenesko Developments, Inc.



Sewer and Water shall be constructed in accordance with the State of Wisconsin Standard Specifications for Sewer and Water Construction, and all Special Provisions of the Village of Little Chute.

Streets shall be constructed in accordance with the State of Wisconsin Standard Specifications for Highway and Structures Construction, and all Special Provisions of the Village of Little Chute.

Contractor shall locate all buried facilities prior to excavating. This plan may not correctly or completely show all buried utilities.

The Contractor shall verify all staking and field layout against the plan and field conditions prior to constructing the work and immediately notify the Engineer of any discrepancies.

The Contractor shall comply with all conditions of the Erosion Control Plan and the Storm Water discharge Permit. All Erosion Control shall be done in accordance with the Plan and Wisconsin DNR Technical Standards.

The Contractor is responsible for compliance with Department of Safety & Professional Services, Chapter SPS 382, for lateral construction and cleanout locations.

The contractor shall coordinate with provider for electric, gas, and telecommunication service connection and relocations.

Pipe lengths are measured to center of structure. Endwalls are included in pipe length.

Water Pipe shall be PVC C900 D(18), with minimum of 18 gauge, insulated (blue), single-conductor copper tracer wire, or equivalent, per SPS 382.40 (8)(k).

Sanitary Sewer Pipe shall be PVC SDR (35), with minimum of 18 gauge, insulated (green), single-conductor copper tracer wire, or equivalent, per SPS 382.30 (11)(h).

Storm Sewer Pipe shall be PVC SDR(35), Reinforced Concrete Class III, or HDPE, AASHTO M 294, Type S with water tight joints, with minimum of 18 gauge, insulated (brown), single-conductor copper tracer wire, or equivalent, per SPS 382.36 (7)(d)10.a.

LEGEND

	Overhead Electric Lines		Sanitary MH / Tank / Base		Deciduous Tree
	Utility Guy Wire		Storm Manhole		Coniferous Tree
	Sanitary Sewer		Inlet		Bush / Hedge
	Storm Sewer		Catch Basin / Yard Drain		Benchmark
	Underground Electric		Hydrant		1 1/2" O.D. Iron Pipe
	Underground Gas Line		Utility Valve		1.3" O.D. Iron Pipe Found
	Underground Telephone		Utility Pole		Government Corner
	Water Main		Light Pole / Signal		3" Rebar Found
	Fence - Wood		Guy Wire		Asphalt Pavement
	Culvert		Electric Pedestal		Concrete Pavement
	Index Contour		Electric Transformer		Gravel
	Intermediate Contour				
			+79.9		
	Proposed Storm Sewer		Proposed Sanitary Manhole		Proposed Reducer
	Proposed Sanitary Sewer		Proposed Storm Manhole		Proposed Plug
	Proposed Water Main		Proposed Curb Inlet		Proposed Water MH
	Proposed Contour		Prop. Catch Basin / Yard Drain		Proposed Tee
	Proposed Swale		Proposed Endwall		Proposed Cross
	Proposed Culvert		Proposed Hydrant		Proposed 90" Bend
			Proposed Water Stop		Proposed 45" Bend
			Proposed Curb Stop		Proposed 22.5" Bend
			Proposed Cleanout		

SHEET INDEX:	
Sheet	Page
Sewer & Water Cover Sheet	1.0
Site Survey	1.1
Drainage and Grading Plan	1.2
Erosion & Sediment Control Plan	1.3
Construction Details	2.1
Sewer & Water Details	2.2
Erosion & Sediment Control Details	2.3
Stormwater Pond Details	2.4
Plan & Profile: Founder's Way - Sta 0+00 to 7+00.00	3.1
Plan & Profile: Founder's Way - Sta 7+00 to 13+49.36	3.2
Plan & Profile: Free Pass - Sta 0+00 to 2+32.75	3.3
Plan & Profile: Storm Easement - Sta 0+00 to 4+17.12	3.4

SEWER & WATER COVER SHEET




































DAVEL ENGINEERING & ENVIRONMENTAL, INC.
Civil Engineers and Land Surveyors

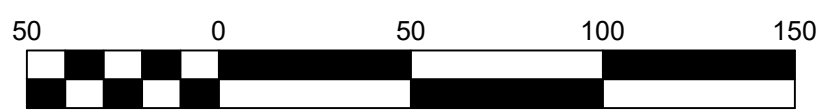
1164 Province Terrace, Menasha, WI 54952
Ph: 920-991-1866 Fax: 920-441-0804
www.davel.pro



CURVE TABLE						
Curve	Radius	Chord Direction	Chord Length	Arc Length	Central Angle	Tangent Bearing-in / Tangent Bearing-out
C1	183.00'	N 59°40'29" E	192.06'	202.19'	63°18'13"	S 88°40'25" E / N 28°01'22" E

LINE TABLE		
Line	Bearing	Length
L1	N 00°30'10" E	28.45'
L2	N 02°23'00" E	25.42'

LEGEND					
	Overhead Electric Lines		Sanitary MH / Tank / Base		Deciduous Tree
	Utility Guy Wire		Storm Manhole		Coniferous Tree
	Sanitary Sewer		Inlet		Bush / Hedge
	Storm Sewer		Catch Basin / Yard Drain		Benchmark
	Underground Electric		Hydrant		1 1/2" Rebar Found
	Underground Gas Line		Utility Valve		1.3" O.D. Iron Pipe Found
	Underground Telephone		Utility Pole		Government Corner
	Water Main		Light Pole / Signal		3" Rebar Found
	Fence - Wood		Guy Wire		Asphalt Pavement
	Culvert		Electric Pedestal		Concrete Pavement
	Index Contour		Electric Transformer		Gravel
	Intermediate Contour		+799.9 Ex Spot Elevation		



Bearings are referenced to the West line of the Northeast 1/4, Section 16, T21N, R18E, assumed to bear N00°30'10"E, base on the Outagamie County Coordinate System.

BENCHMARKS (NAVD88)

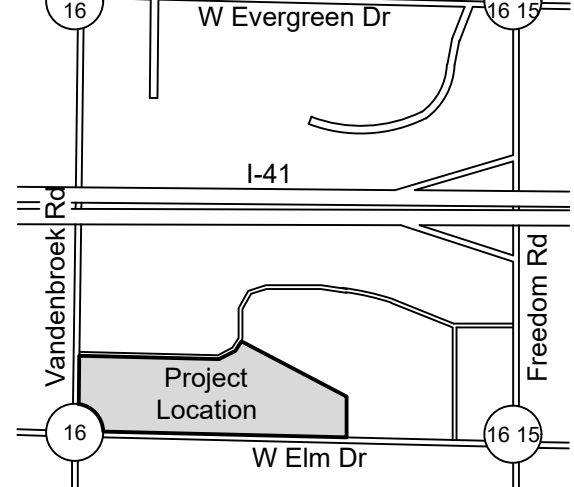
BM 0	NGS Benchmark DE7759(4X79) Elev 726.52'
BM 1	Fire Hydrant, Tag Bolt Southeast Quad of Vanderbrook Rd and Patriot Drive Elev 729.42'
BM 2	Fire Hydrant, Tag Bolt ±325' East of BM 1, South R/W of Patriot Drive Elev 729.97'
BM 3	Fire Hydrant, Tag Bolt ±400' East of BM 2, South R/W of Patriot Drive Elev 732.55'
BM 4	Fire Hydrant, Tag Bolt ±350' Northeast of BM 3, East R/W of Patriot Drive Elev 726.87'

Sanitary Structures						
Structure	#	Rim	Inv	Size	Material	Direction
MH	1	725.93	709.10	8"	PVC	N
MH	2	727.23	711.09	8"	PVC	S
			711.09	8"	PVC	E
MH	3	728.11	712.77	8"	PVC	W
			712.77	8"	PVC	E
MH	4	728.99	714.59	8"	PVC	W
			714.59	8"	PVC	E
MH	5	727.22	715.11	8"	PVC	W
			715.11	8"	PVC	NE
MH	6	725.37	715.64	8"	PVC	SW
			715.64	8"	PVC	N
MH	7	723.37	716.63	8"	PVC	S

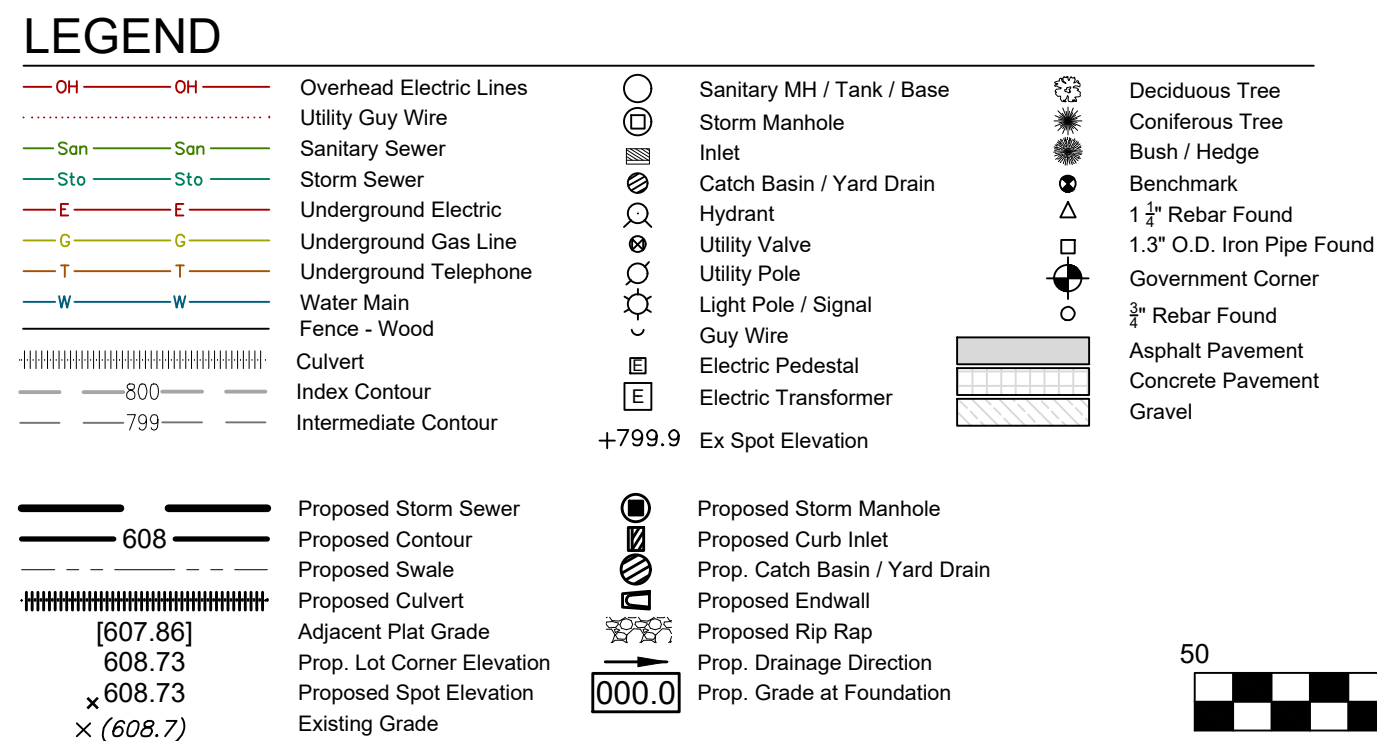
Storm Structures						
Structure	#	Rim	Inv	Size	Material	Direction
INL	A	725.56	722.28	12"	PVC	S
INL	B	725.59	722.34	12"	PVC	N
			722.34	12"	PVC	S
MH	C	725.84	721.71	18"	RCP	E
			721.79	12"	PVC	N
			721.79	12"	PVC	S
MH	D	729.10	720.11	24"	RCP	E
			720.11	24"	RCP	W
			720.16	12"	PVC	S
MH	E	730.26	719.46	24"	RCP	W
			719.46	24"	RCP	E
			719.51	12"	PVC	S
MH	F	727.34	718.88	24"	RCP	W
			718.88	24"	RCP	NE
			718.92	12"	PVC	SW
MH	G	725.70	718.12	24"	RCP	NE
			718.12	24"	RCP	SW
			718.16	15"	PVC	SE
			718.16	12"	PVC	SE
MH	H	725.04	717.56	24"	RCP	SW
			717.56	24"	RCP	N
			717.59	12"	PVC	E
MH	I	723.32	715.47	24"	RCP	S
MH	J	724.80	718.75	15"	PVC	NW
			718.75	15"	PVC	S
CB	K	721.56	719.16	15"	PVC	N

LOCATION MAP

NE 1/4 SEC 16, T 21 N, R 18 E,
Village of Little Chute
Outagamie County, WI

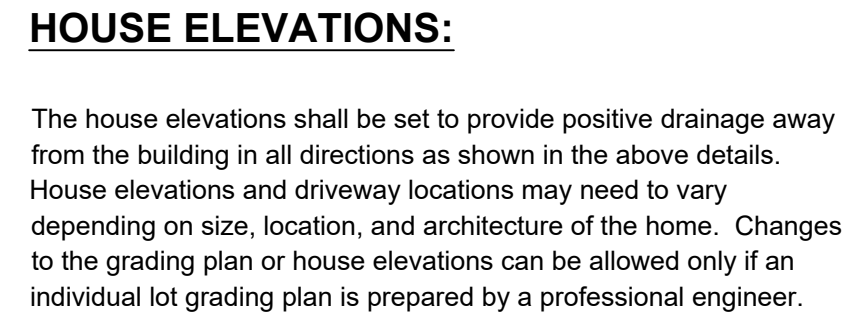


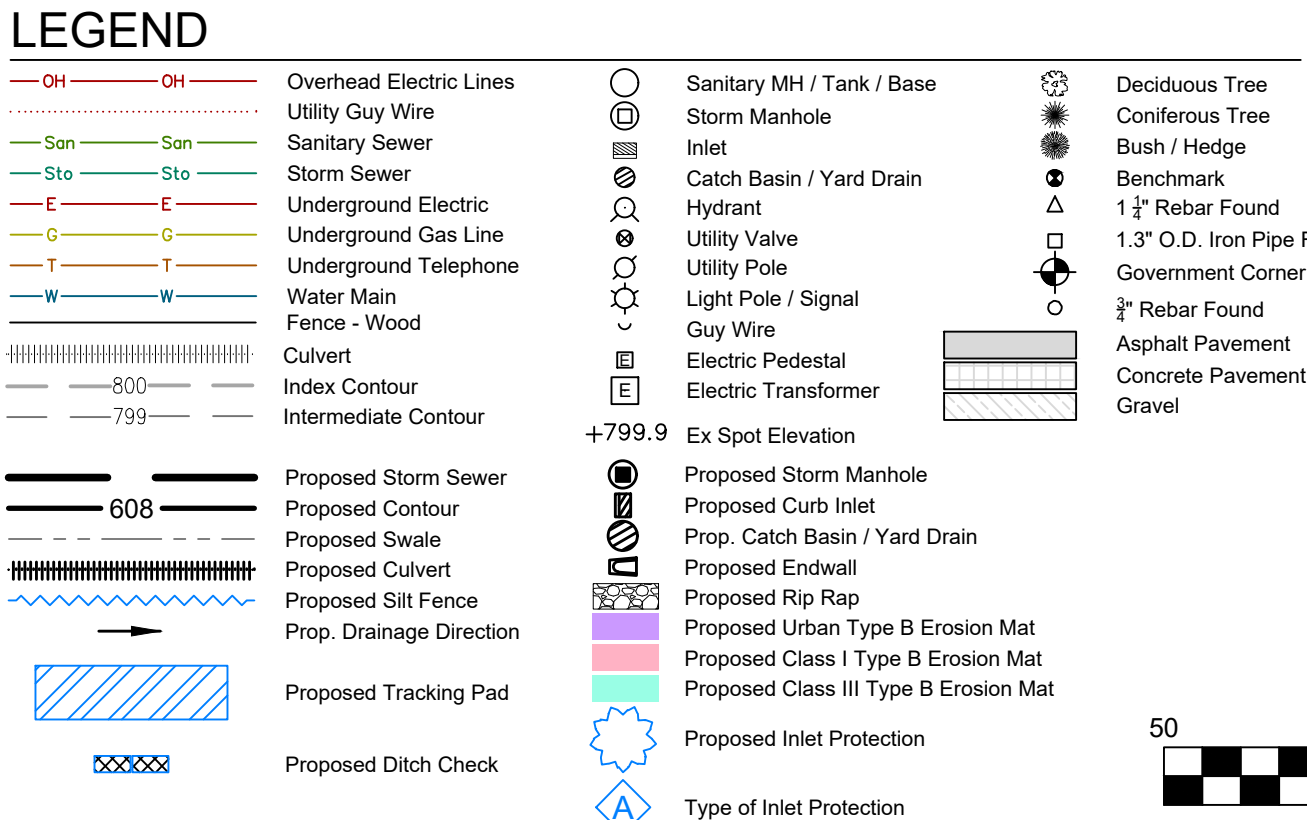
SITE SURVEY



NOTES:

1. Existing utilities shown are indicated in accordance with available records and field measurements. The contractor shall be responsible for obtaining exact locations & elevations of all utilities, including sewer and water from the owners of the respective utilities. All utility owners shall be notified by the contractor 72 hours prior to excavation. Contact Digger's Hotline (1-800-242-8511) for exact utility locations.
2. The Contractor shall verify all staking and field layout against the plan and field conditions prior to constructing the work and immediately notify the Engineer of any discrepancies.
3. Vegetation beyond slopes shall remain.
4. The contractor shall minimize the area disturbed by construction as the project is constructed. Disturbed areas shall be seeded as soon as final grade is established. Contractor shall replace topsoil and then seed, fertilize and mulch all lawn areas within 1 week of topsoil placement.
5. Contractor shall remove all excess materials from the site. Earthwork contractors shall verify topsoil depth.
6. All sediment and erosion control devices and methods shall be in accordance with the Wisconsin DNR Technical Standards.
7. The contractor shall make weekly inspections and inspections within 1 day of any rainfall exceeding 0.5 inches of the sediment and erosion control devices throughout construction. The contractor shall repair or maintain erosion control devices as necessary. The inspection reports shall be made available to the owner at the end of the construction or upon demand during construction.
8. Contractor is responsible for compliance with Department of Safety & Professional Services, Chapter SPS 382, for lateral construction and cleanup locations.
9. Updated survey and title search have not been authorized and the boundary and easements shown may be inaccurate or incomplete.
10. Founder's Estates will receive treatment for stormwater runoff (for both quantity and quality) from the Village of Little Chute's Vandenberg Pond.





All erosion control practices shall be in place prior to disturbing the site. All sediment and erosion control devices and methods shall be in accordance with DNR Technical Standards and the WisDOT Erosion Control product acceptability lists (PAL). It is the responsibility of the Contractor to minimize the area disturbed and the duration of the disturbance. Erosion & sediment control measures shall be maintained on a continuing basis until the site is permanently stabilized. All applicable controls must be in place at the end of each work day. All off-site sediment deposits occurring as a result of construction work or a storm event shall be cleaned up at a minimum of the end of each day or as necessary. Flushing shall not be allowed.

- 2) **Diverting Flow**
- a) **Permanent Diversion** - Intended to divert runoff around disturbed areas to a location where the water can be discharged without adversely impacting the receiving area or channel. Permanent diversions will be used to route runoff to the ponds.
 - b) **Temporary Diversion** - Intended to divert runoff around disturbed areas to a location where the water can be discharged without adversely impacting the receiving area or channel. Unlike a permanent diversion, the temporary diversion will be removed upon the completion of the project. Temporary diversions will be used to disperse the slope of any soil piles to reduce the amount of sediment transported. **All diversions shall be installed and maintained in accordance with DNR Technical Standard 1066.**
- 2) **Overland Flow**
- a) **Silt Fence** - Intended to provide a temporary barrier to the transportation of sediment offsite. Silt fence also reduces the velocity of sheet flow; thereby reducing the erosion potential of flowing water. Silt fencing is not to be used in areas of channelized flow and sediment deposits shall be removed when a 6 inch depth is reached. The silt fence shall be repaired or replaced as necessary to maintain a barrier. **All Silt Fence shall be installed and maintained in accordance with DNR Technical Standard 1056.** It will be placed at the following locations:
 - i) along the site boundary where runoff will leave the site,
 - ii) and at the toe of soil piles if the pile will remain in place for more than seven (7) days.
 - b) **Sediment Bale Barrier** - Intended to intercept and detain small amounts of sediment from construction operations to prevent sediment from leaving the site. Sediment Bale Barriers are not to be used in areas of channelized flow. **All Sediment Bale Barriers shall be installed and maintained in accordance with DNR Technical Standard 1055.** Sediment Bale Barriers may be used in place of silt fence around stockpiles.
 - c) **Mulching and Erosion Mat** - Intended to reduce the amount of erosion caused by raindrop impact, high overland and concentrated flow velocities and assist the establishment of both temporary and permanent vegetation. **Erosion Erosion Mat** shall be installed and maintained in accordance with **DNR Technical Standards 1052 and 1053 and all Mulching with DNR Technical Standard 1058.** In addition to mulching, Erosion Mat is required per plan with installation per manufacturer specifications.
 - d) **Seeding** - Intended to provide a reduction of overland flow velocities and stabilize disturbed areas. Seeding will be used on all disturbed areas within seven days of the completion of the activity that will disturb the area. **All seeding shall be in accordance with DNR Technical Standard 1059.** Seed mixture 40 (per WisDOT Specifications, Section 630) shall be applied at 5 pounds per 1000 square feet for permanent seeding prior to September 15th. If required, temporary seeding shall consist of Oats, Rye, Winter Wheat, and/or Annual Ryegrass applied at rates and during the season specified by the Technical Standard but no later than November 1st. Sod placement may occur at anytime sod is available and the sod and soil are not frozen.

- 3) Trapping Sediment in Channelized Flow
- a) Ditch Checks - Intended to settle suspended sediment in channelized flow by reducing the flow velocity. **All Ditch Checks shall be installed and maintained in accordance with DNR Technical Standard 1062.** Ditch Checks will be used where indicated on the plan as sediment logs. Additional ditch checks may be required in areas where erosion is occurring.
- b) Sediment Basin - Intended to detain sediment-laden runoff from disturbed areas for a sufficient time to allow the sediment to settle. Sediment basins shall be installed and maintained in accordance with **WDRNR Technical Standard 1064.**
- 4) Permanent Channel Stabilization
- a) Armored Waterway - Intended to establish a non-erosive lining in the channel to prevent erosion. This can be accomplished using riprap. Riprap will be used in the following areas:
- i) drainage swales and pipe outfalls, as indicated on the plans
- b) Vegetated Waterway - Intended to establish permanent vegetation to reduce the velocity of concentrated runoff thereby protecting the waterway from erosion. The type of erosion mat will depend upon the velocity of the runoff in the channel and are specified in accordance with DOT Erosion Control Product Acceptability Lists (PAL). Vegetated waterways will be used in the following areas:
- i) drainage swales, as indicated on the plans

- 5) **Inlet Protection Barriers** - Intended to prevent the sedimentation of storm water conveyance structures. **All Inlet Protection Barriers shall be installed and maintained in accordance with DNR Technical Standard 1060.** As required, inlet protection barriers will be used at all storm sewer inlets as indicated on the plans.
- 6) **Stone Tracking Pad** - Intended to reduce the amount of sediment transported onto public roads. **The Tracking Pad shall be installed and maintained in accordance with DNR Technical Standard 1057.** A tracking pad will be constructed at the site entrance as indicated on the plan.
- 7) **Dewatering BMP** - Intended to reduce the amount of sediment conveyed due to dewatering practices. **Dewatering practices require compliance with DNR Technical Standard 1061.** Use of geotextile bags is required to prevent sedimentation with discharge to the adjacent storm water pond. The bags shall meet the requirements of Technical Standard 1061. Upon completion of the dewatering operation, all materials must be disposed of properly in accordance with all state and local requirements.
- 8) **Dust Control** - Intended to reduce surface to air transport of dust during construction. **Dust control shall be implemented with use of methods provided in DNR Technical Standard 1068.** These methods include the use of polymers, seeding, and mulch.
- 9) **Waste Material** - All onsite waste and construction materials shall be handled and disposed of properly. No pavement material, runoff from concrete washout, or other waste material is allowed to enter the storm sewer system or receiving waters.

- 1) Obtain plan approval and other applicable permits
- 2) Flag work limits. **May 2023**
- 3) Install and maintain all erosion & sediment control measures. **May 2023**
- 4) Utility construction. **May 2023**
- 5) Road construction and grade drainage easements. **June 2023**
- 6) Curb and gutter and asphalt paving (binder). **July 2023**
- 7) Seed and mulch lawn areas. **August 2023**
- 8) Asphalt paving (finish). **Spring 2024**
- 9) Remove all temporary measures upon final stabilization of the site.

Note: The dates provided are approximate and subject to weather conditions and overall project schedule. Several work items as listed above may occur simultaneously with others. Sequence of construction is expected to be similar for future phases.

The contractor is responsible for inspection and maintenance of sediment and erosion control measures until the project is completed. The inspections shall be made every seven days or within 24-hours of a rainfall event of 0.50-inch or greater. Any practices that are damaged or not working properly shall be repaired by the end of the day. Accumulated sediment shall be removed when it has reached a height of one-half the height of the structure. In addition, the following measures shall be taken:

- 1) All seeded or sodded areas will be repaired as necessary according to the specifications in the planned practices to maintain a vigorous, dense vegetated cover.
- 2) Remove silt fence and temporary structures only after final stabilization and vegetative cover is established.
- 3) Avoid the use of fertilizers and pesticides in or adjacent to channels or ditches.
- 4) Construction and waste materials shall be properly disposed.

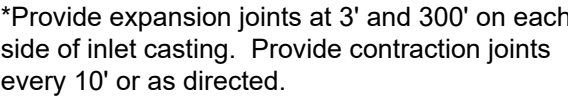
Weekly inspection reports shall be maintained by the contractor. These reports shall document inspections and maintenance performed. The date and time of the inspections, the inspector's name, and the status of construction and any maintenance performed. Refer to Appendix C of this report or visit <http://dnr.wi.gov/topic/stormwater/construction/forms.html> for a template. Upon request, the inspection reports shall be made available to the owner, the engineer, Village of Little Chute, or the Wisconsin Department of Natural Resources.

Best Management Practices (BMPs) Construction and Maintenance:
Owner's Contractor, to be determined.

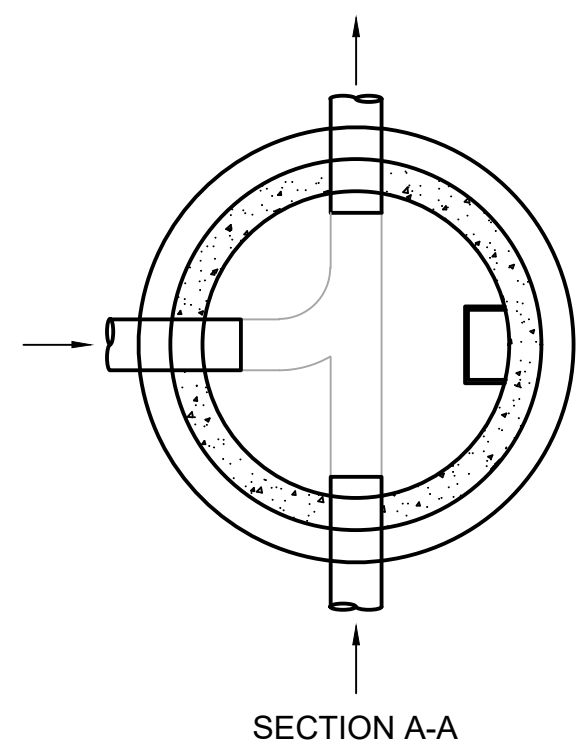
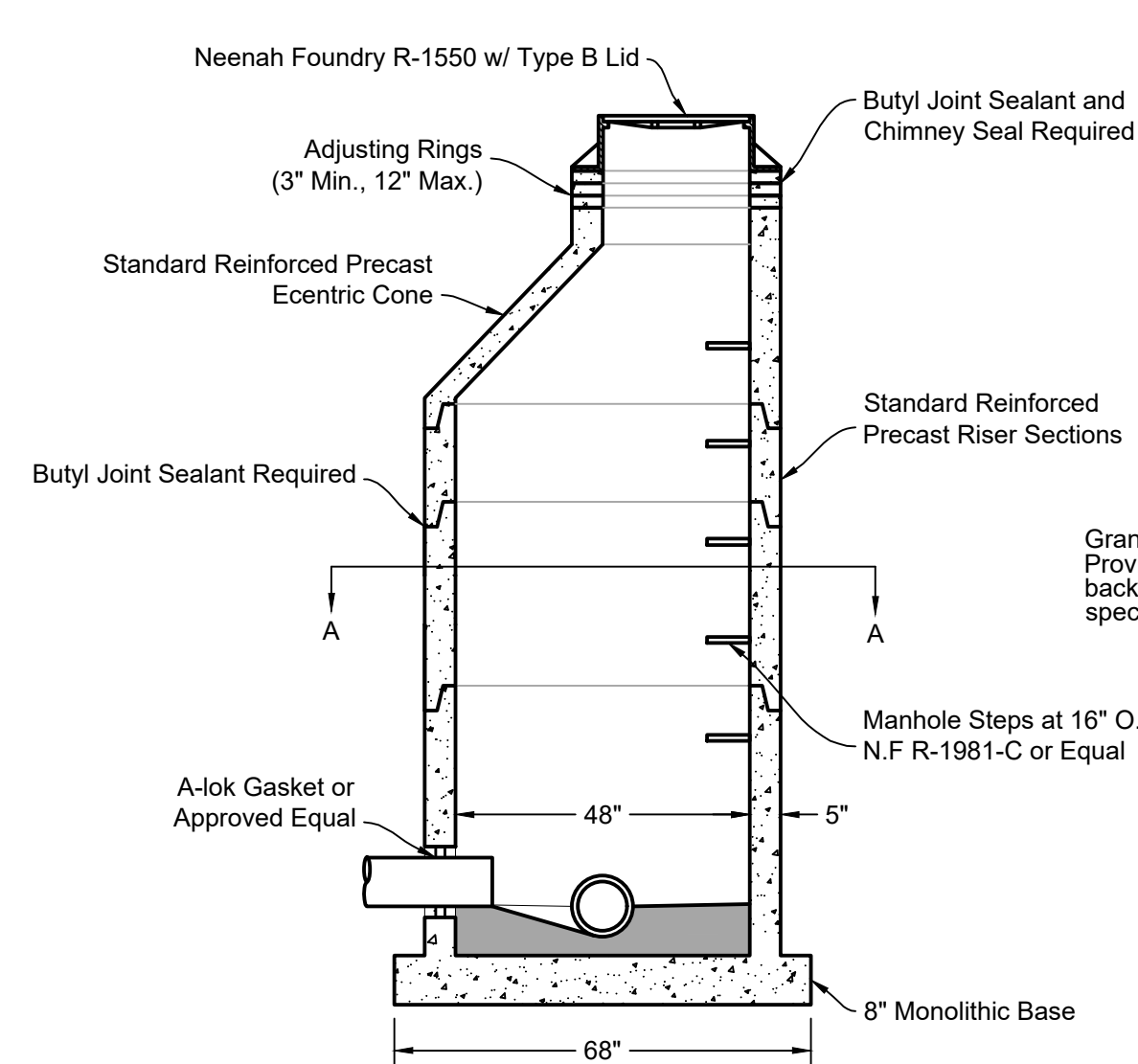
BMP Inspection and Compliance Enforcement

Village of Little Chute

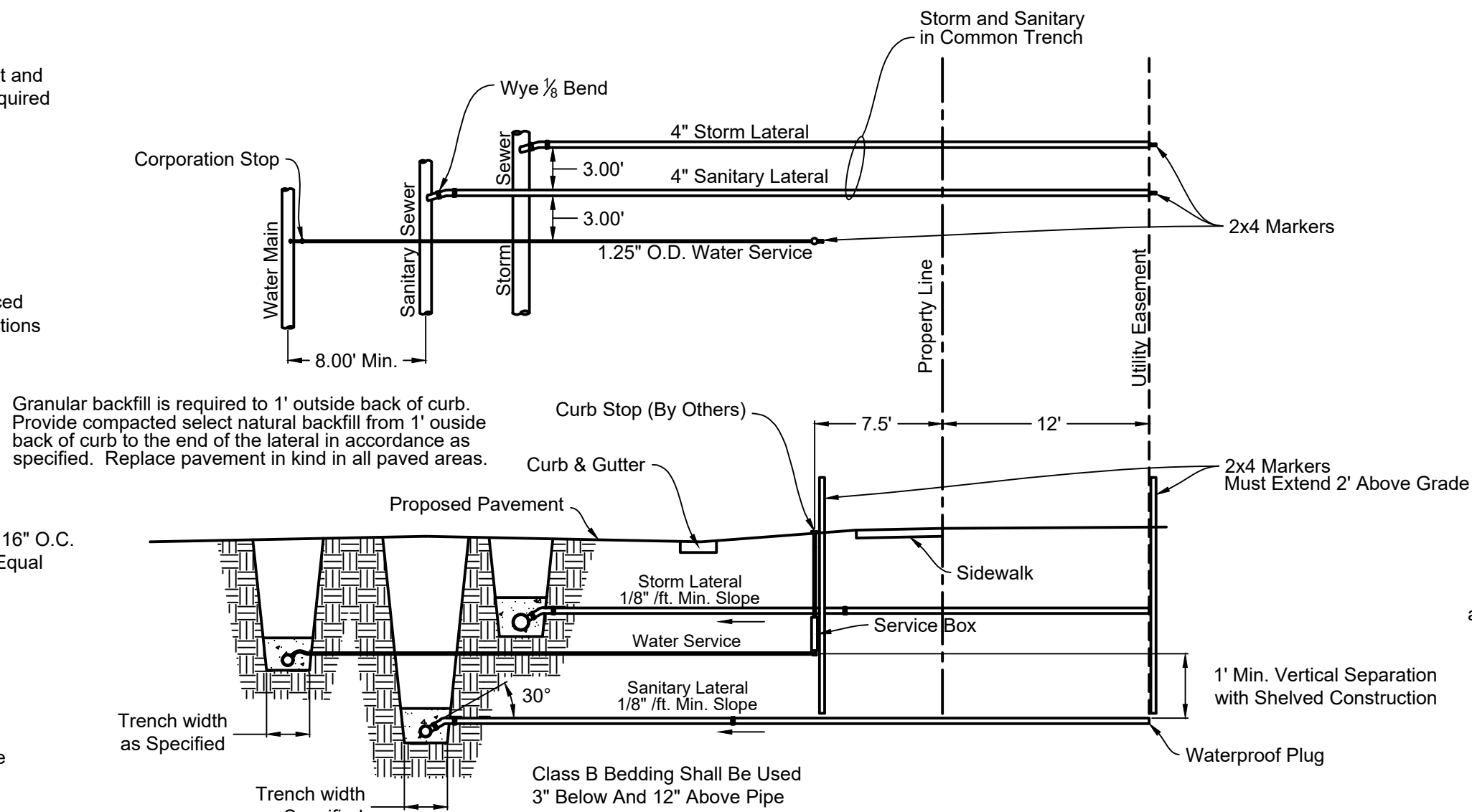
Founder's Estates
Village of Little Chute, Outagamie County, WI
For: Romenesko Developments, Inc.



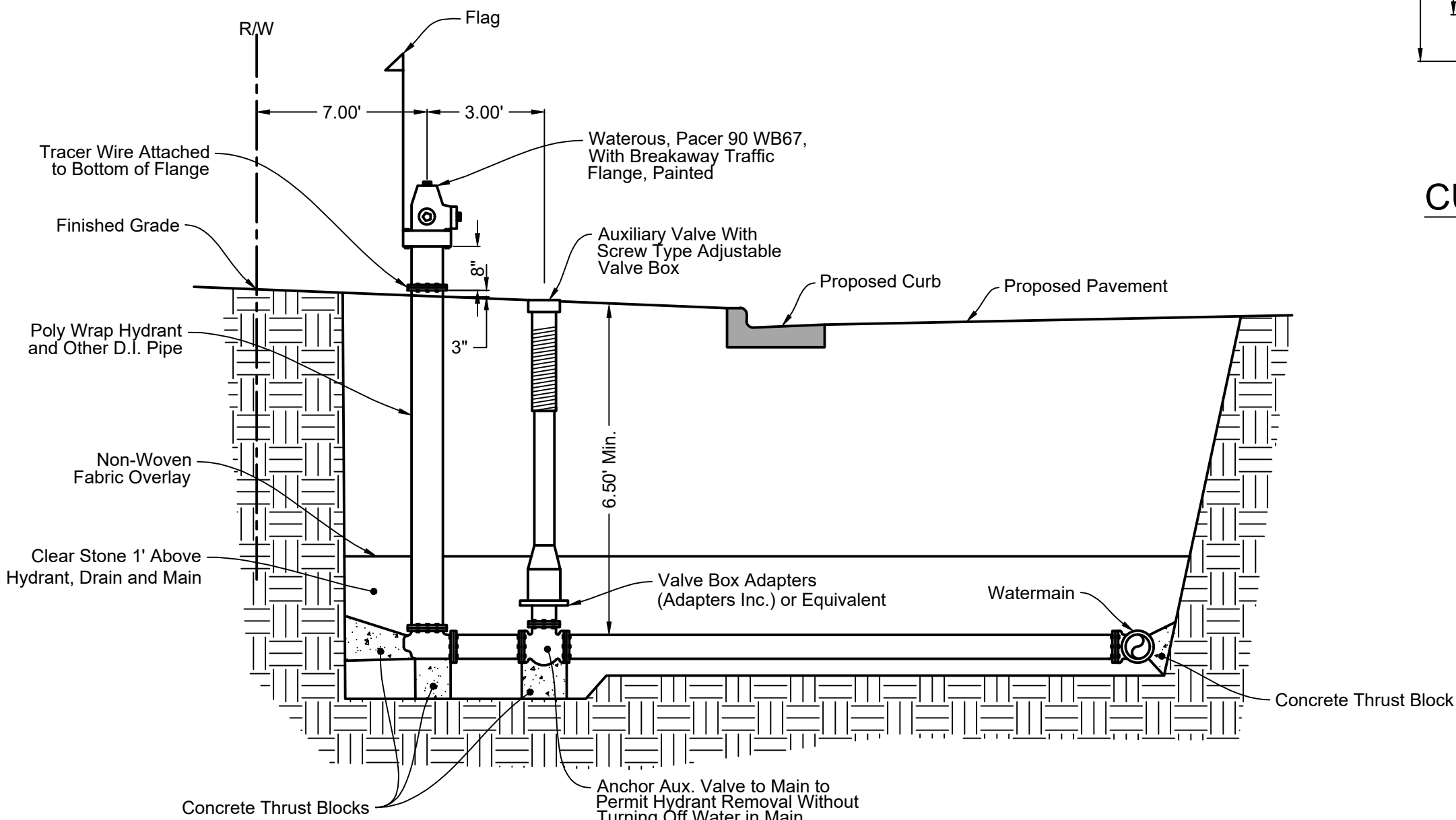
24" MOUNTABLE CURB



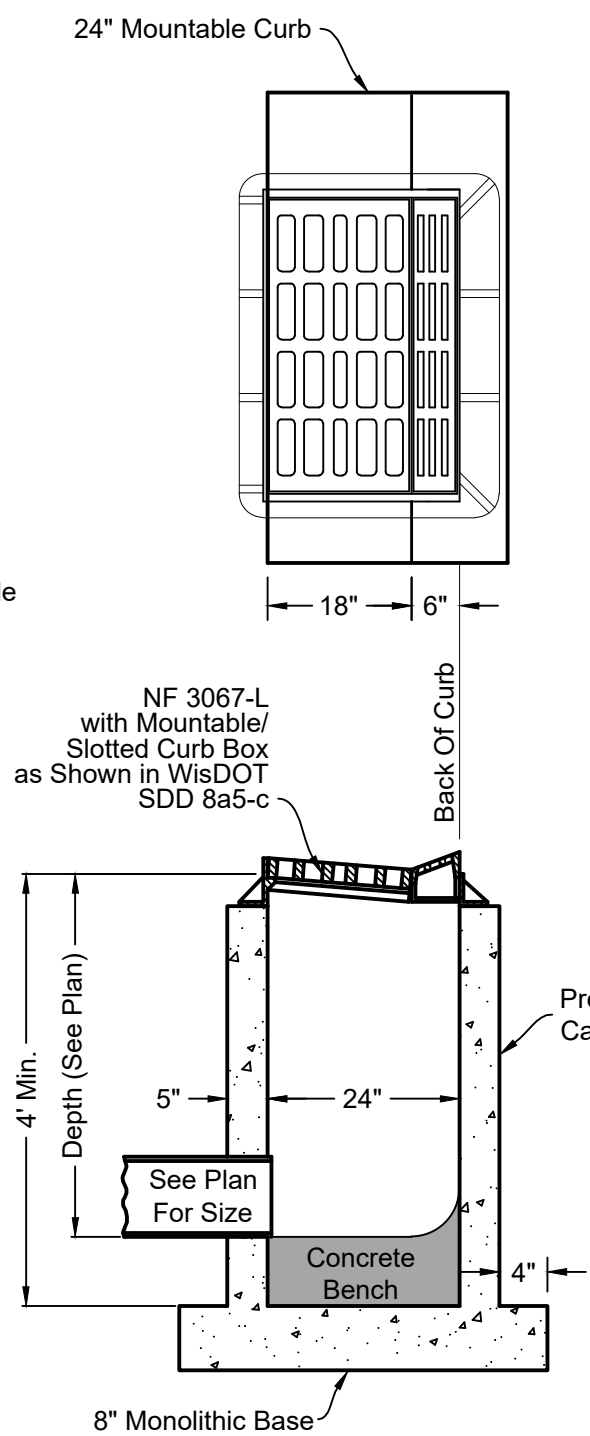
SANITARY MANHOLE



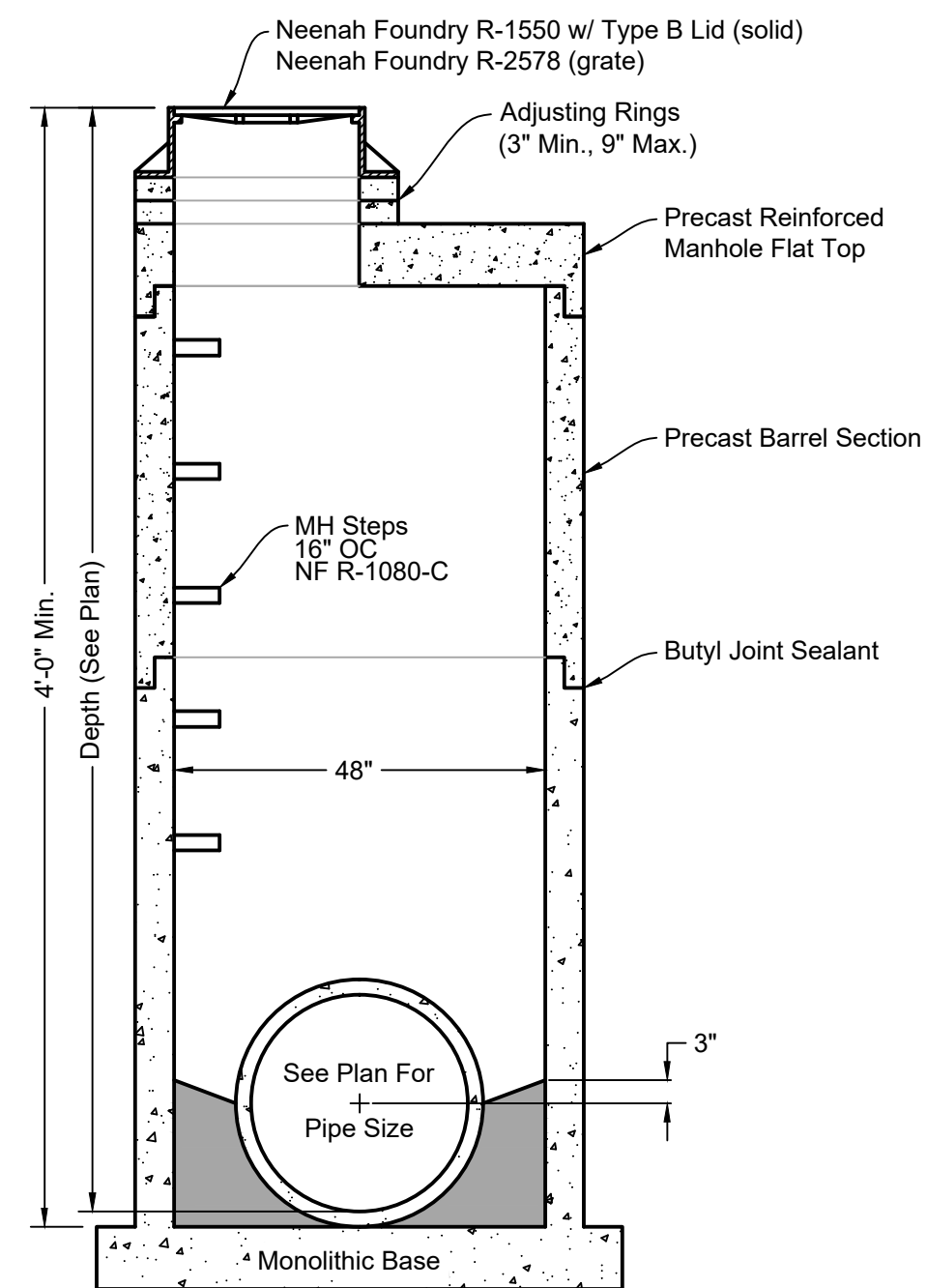
LATERAL DETAIL



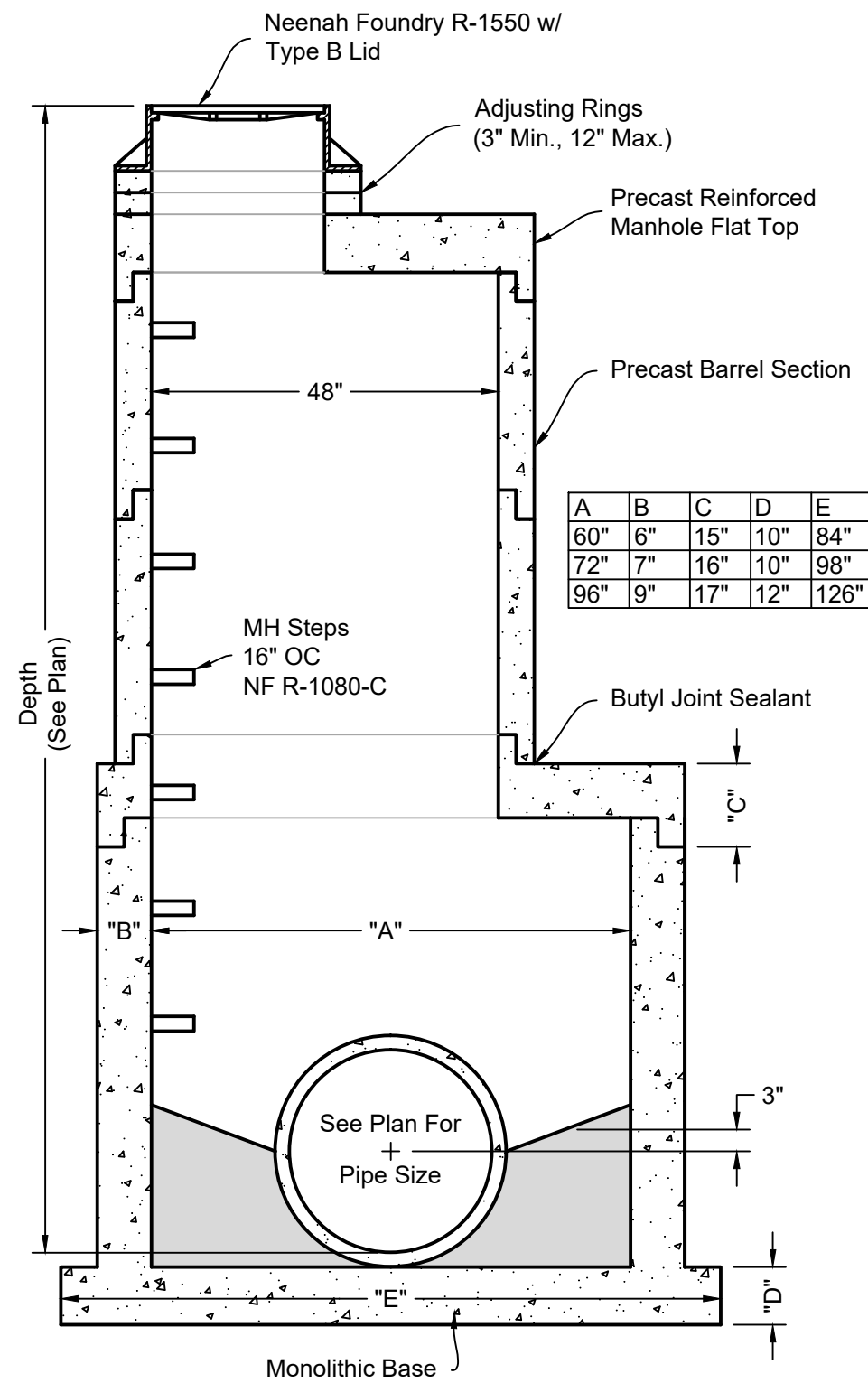
HYDRANT DETAIL



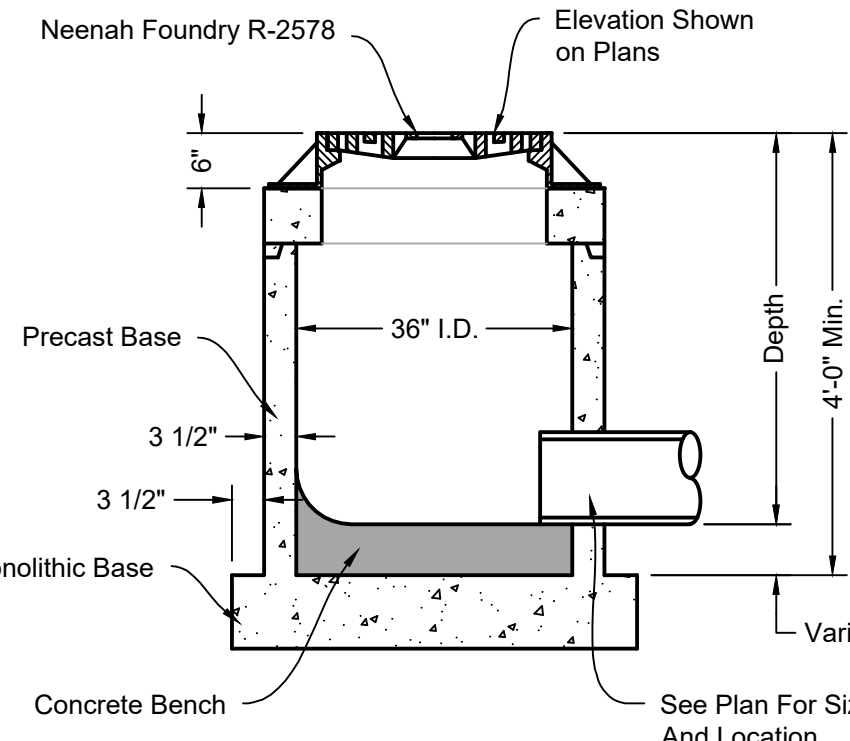
CURB INLET DETAIL



STANDARD STORM MANHOLE

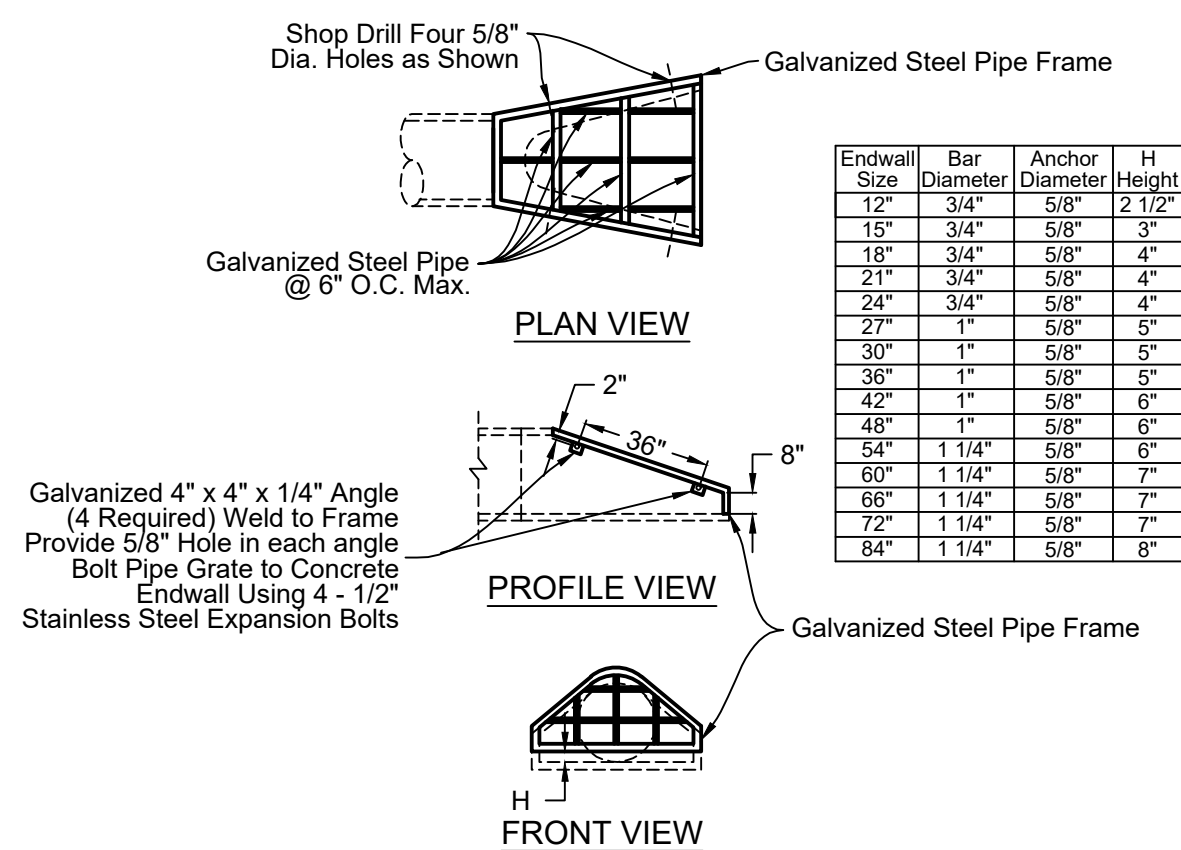


LARGE DIAMETER STORM MANHOLE

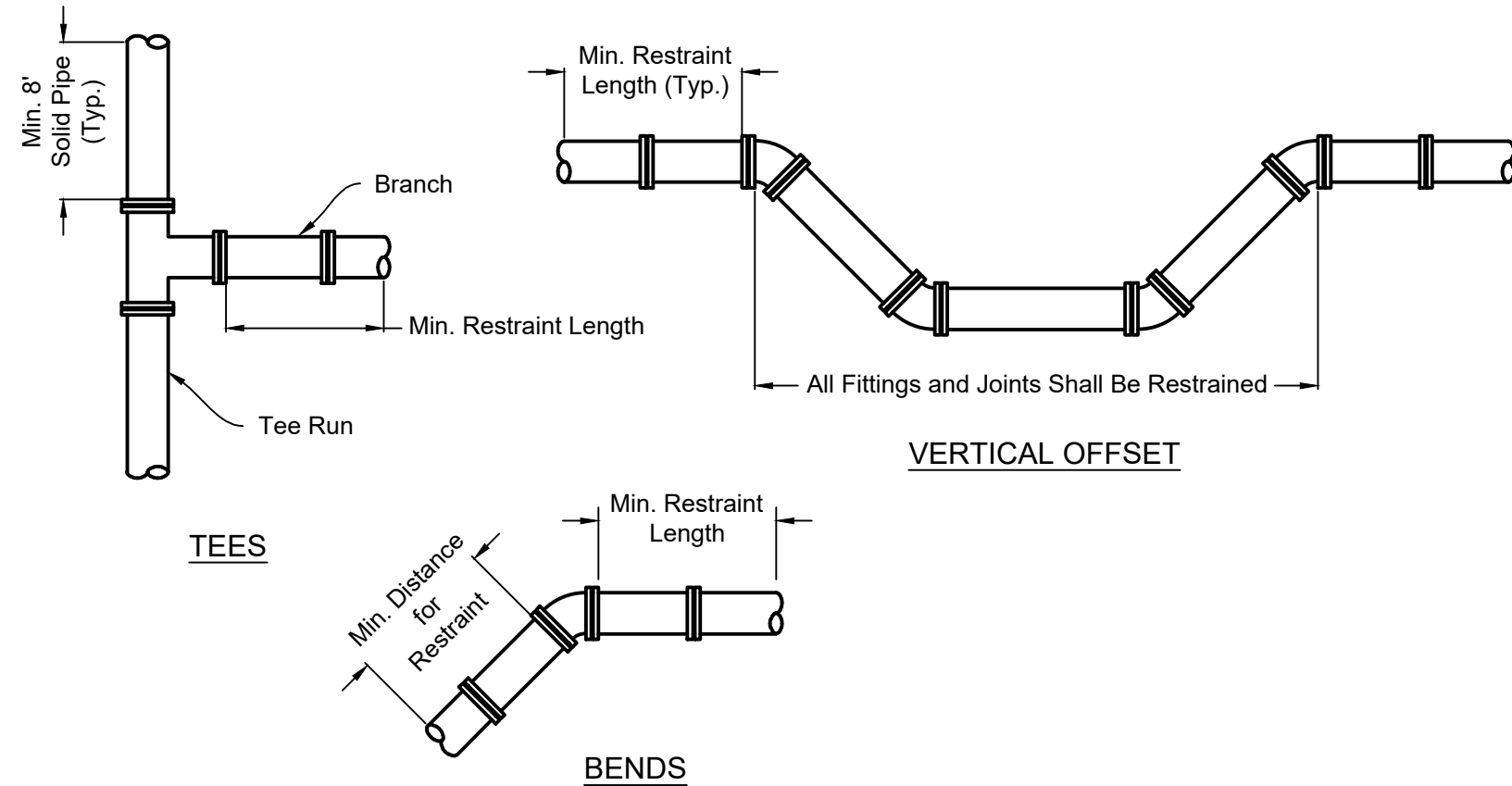


STORM CATCH BASIN

Minimum Restraint Length (ft.) on Both Sides of the Fitting				
Fitting Type/Nominal Size	6"	8"	12"	16"
11 1/4" Bend	2	2	3	3
22 1/2" Bend	3	3	5	6
45° Bend	5	6	9	11
90° Bend	11	15	21	27
Dead End	30	40	56	73
Top Side of a Vertical Offset	13	17	24	31
Tee Run x Branch 6" BY	14			
Tee Run x Branch 8" BY	10	24		
Tee Run x Branch 12" BY	1	15	40	
Tee Run x Branch 16" BY	1	7	33	56



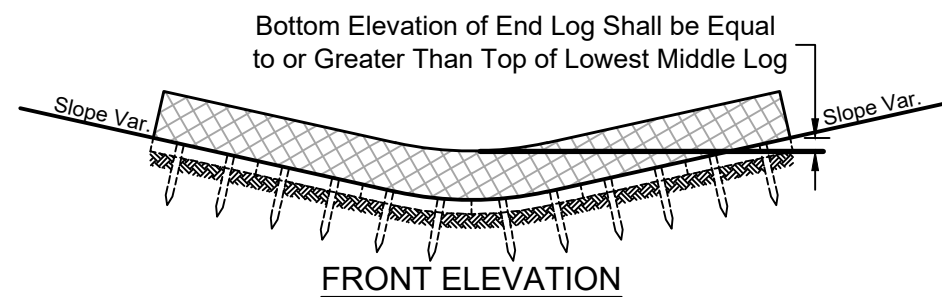
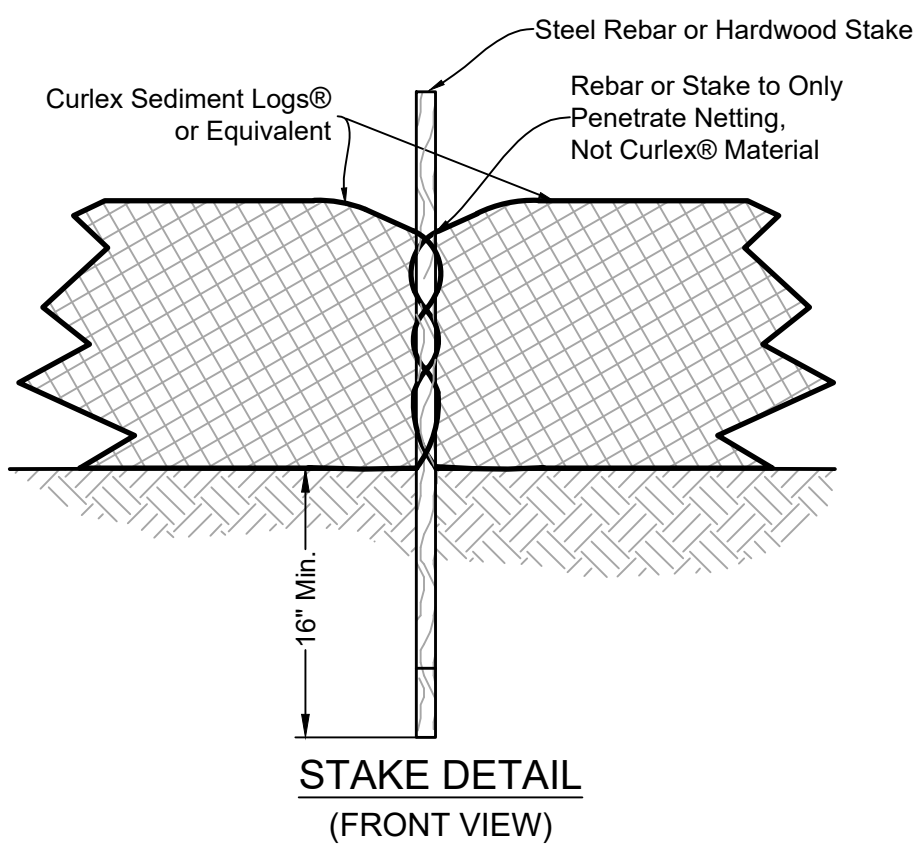
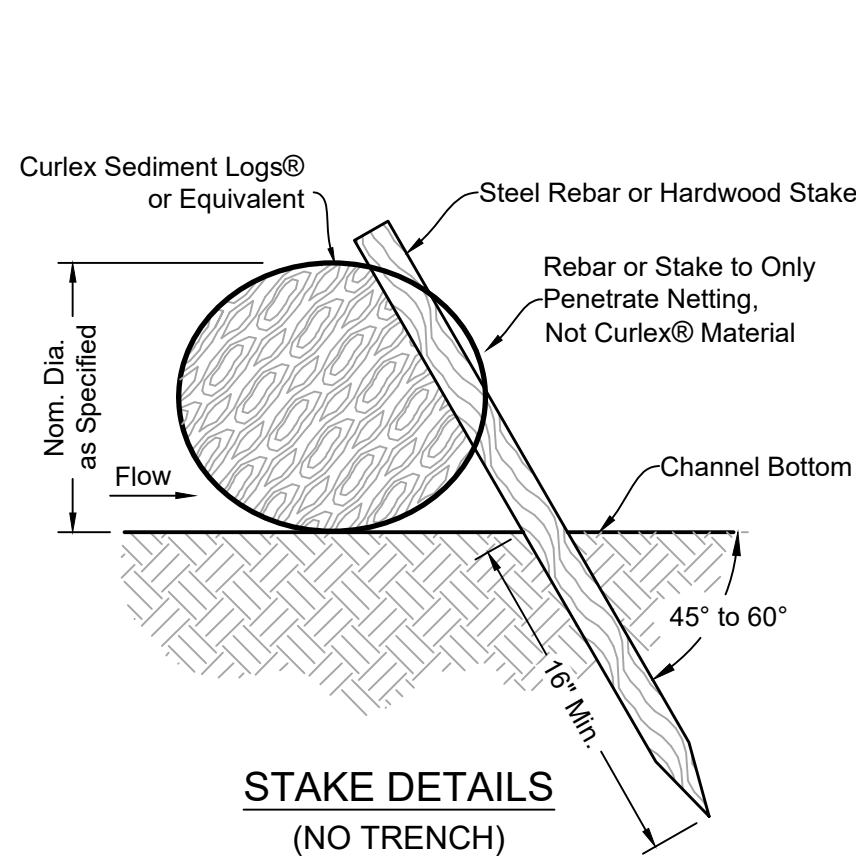
ENDWALL PIPE GRATE



WATERMAIN RESTRAINT DETAIL

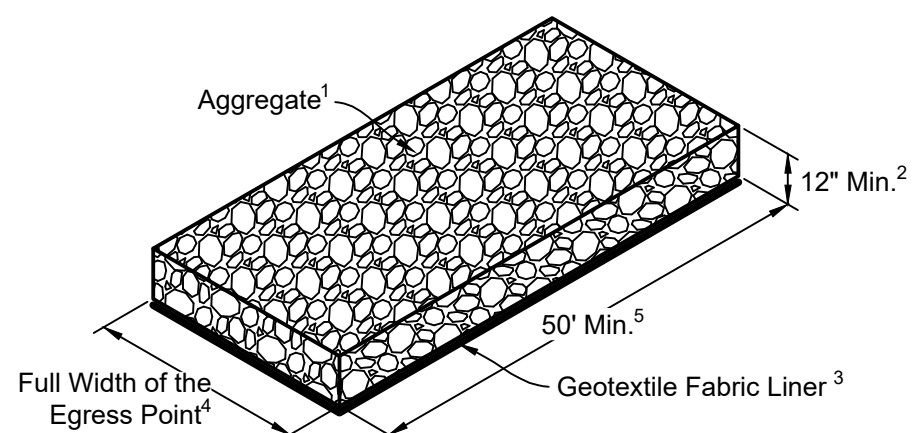
LOT INFORMATION					WATER		STORM	SANITARY									
PHASE	LOT #	STREET	FINISHED GARAGE FLOOR	FOOTING ELEV	WATER LATERAL LENGTH (x2)	4" STORM LATERAL LENGTH	DISTANCE TO D.S. MH	WYE INVERT	4" SAN LATERAL LENGTH	4" SAN RISER HEIGHT	SAN LAT INV @ PL	SAN LAT INV @ UE	SAN LAT INV @ SB				
1	1	Founder's Way	729.48	721.31	15	48	112	710.71	40	5	716.87	717.17	717.37				
1	2	Founder's Way	729.74	721.57	22	57	98	711.23	48	5	717.65	717.85	718.05				
1	3	Founder's Way	730.37	722.22	15	48	61	711.71	40	5	717.98	718.18	718.38				
1	23	Founder's Way	730.39	722.22	31	32	70	711.75	40	5	718.01	718.21	718.41				
1	4	Founder's Way	731.00	722.83	15	48	150	712.07	40	5	718.33	718.53	718.73				
1	22	Founder's Way	731.03	722.86	31	32	160	712.11	40	5	718.37	718.57	718.77				
1	5	Founder's Way	731.63	723.46	15	48	238	712.42	40	6	719.68	719.88	720.08				
1	21	Founder's Way	731.66	723.49	31	32	9	712.56	40	5	718.83	719.03	719.23				
1	6	Founder's Way	732.26	724.09	15	48	90	712.89	40	6	720.15	720.35	720.55				
1	20	Founder's Way	732.29	724.12	31	32	99	712.92	40	6	720.19	720.39	720.59				
1	7	Founder's Way	732.89	724.72	15	48	180	713.25	40	6	720.51	720.71	720.91				
1	19	Founder's Way	732.92	724.75	31	32	189	713.28	40	6	720.55	720.75	720.95				
1	18	Founder's Way	733.01	724.84	31	32	6	713.72	40	6	720.99	721.19	721.39				
1	8	Founder's Way	732.23	724.06	15	48	89	714.05	40	5	720.32	720.52	720.72				
1	17	Founder's Way	732.17	724.00	31	32	98	714.09	40	5	720.36	720.56	720.76				
1	9	Founder's Way	731.13	722.96	15	48	179	714.41	40	4	719.68	719.88	720.08				
1	16	Founder's Way	731.06	722.89	31	32	188	714.45	40	3	718.72	718.92	719.12				
1	10	Founder's Way	730.02	721.85	15	48	269	714.77	40	2	718.04	718.24	718.44				
1	15	Founder's Way	729.95	721.78	31	32	278	714.81	40	2	718.08	718.28	718.48				
1	14	Founder's Way	729.02	720.85	31	32	347	715.09	40	0	716.35	716.55	716.75				
1	13	Founder's Way	728.47	720.30	90	45	65	715.51	80	0	717.57	717.77	717.97				
1	12	Founder's Way	728.36	720.19	81	68	85	715.59	66	0	717.37	717.57	717.77				
1	11	Founder's Way	729.00	720.83	39	113	56	715.47	80	0	717.53	717.73	717.93				
New Sewers, Total =					1,334	1,034			1,033	92							

Sanitary lateral grades are based on 1/4"/ft. slopes from the sewer main. The depth at the footing is from the bottom of the footing to the top of the 4" lateral. Two water services are required per lot



NOTE:
Stake installation shall meet manufacturer's requirements in regard to spacing, material, size, and bury depth.

SEDIMENT LOG DETAIL



TRACKING PAD DETAIL

DNR TECHNICAL STANDARD 1057

Note 1 Use hard, durable, angular stone or recycled concrete meeting the gradation in Table 1. Where this gradation is not available, meet the gradation in Wisconsin Department of Transportation (DOT) 2022 Standard Specification, Section 312, Select Crushed Material.

Note 2 Slope the stone tracking pad in a manner to direct runoff to an approved treatment practice.

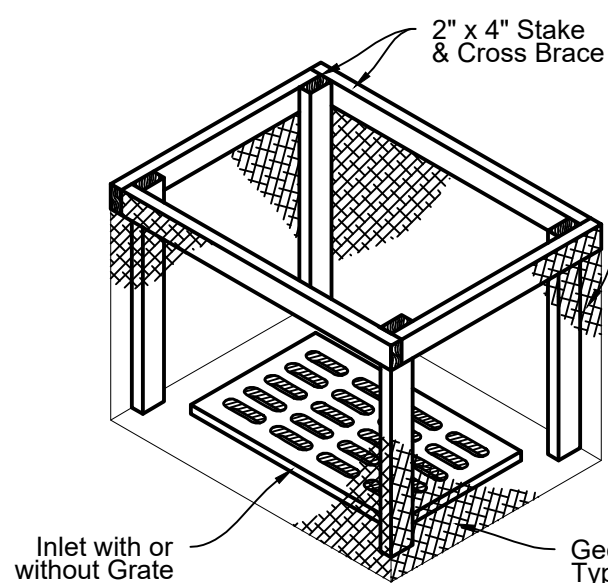
Note 3 Select fabric type based on soil conditions and vehicles loading.

Note 4 Install tracking pad across full width of the access point, or restrict existing traffic to a dedicated egress lane at least 12 feet wide across the top of the pad.

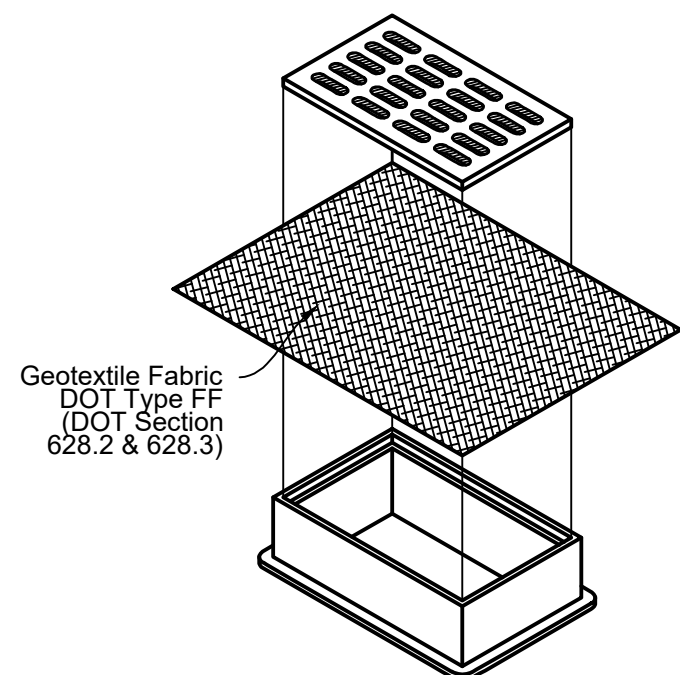
Note 5 If a 50' pad length is not possible due to site geometry, install the maximum length practicable and supplement with additional practices as needed.

TABLE 1: GRADATION FOR STONE TRACKING PADS

Sieve Size	Percent by weight passing
3"	100
2-1/2"	90-100
1-1/2"	25-60
3/4"	0-20
3/8"	0-5



INLET PROTECTION, TYPE A



INLET PROTECTION, TYPE B

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)

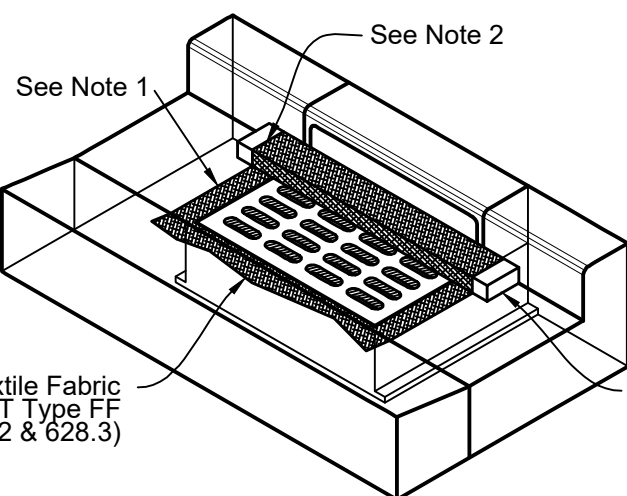
GENERAL NOTES:

Inlet protection devices shall be maintained or replaced at the direction of the engineer.

Manufactured alternatives approved and listed on the DOT Erosion Control Product Acceptability list may be substituted.

When removing or maintaining inlet protection, care shall be taken so that the sediment trapped on the geotextile fabric does not fall into the inlet. Any material falling into the inlet shall be removed immediately.

1. Finished size, including flap pockets where required, shall extend a minimum of 10" around the perimeter to facilitate maintenance or removal.
2. For inlet protection, Type C (with curb box), an additional 10" of fabric is wrapped around the wood and secured with staples. The wood shall not block the entire height of the curb box opening.
3. Flap pockets shall be large enough to accept wood 2x4.



INLET PROTECTION, TYPE C

INSTALLATION NOTES:

Inlet protection Type A shall be utilized around field inlets until permanent stabilization methods have been established. Inlet protection Type A shall be utilized on pavement inlets prior to installation of curb and gutter or pavement.

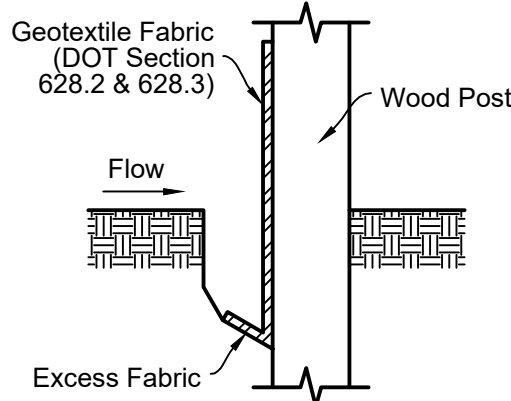
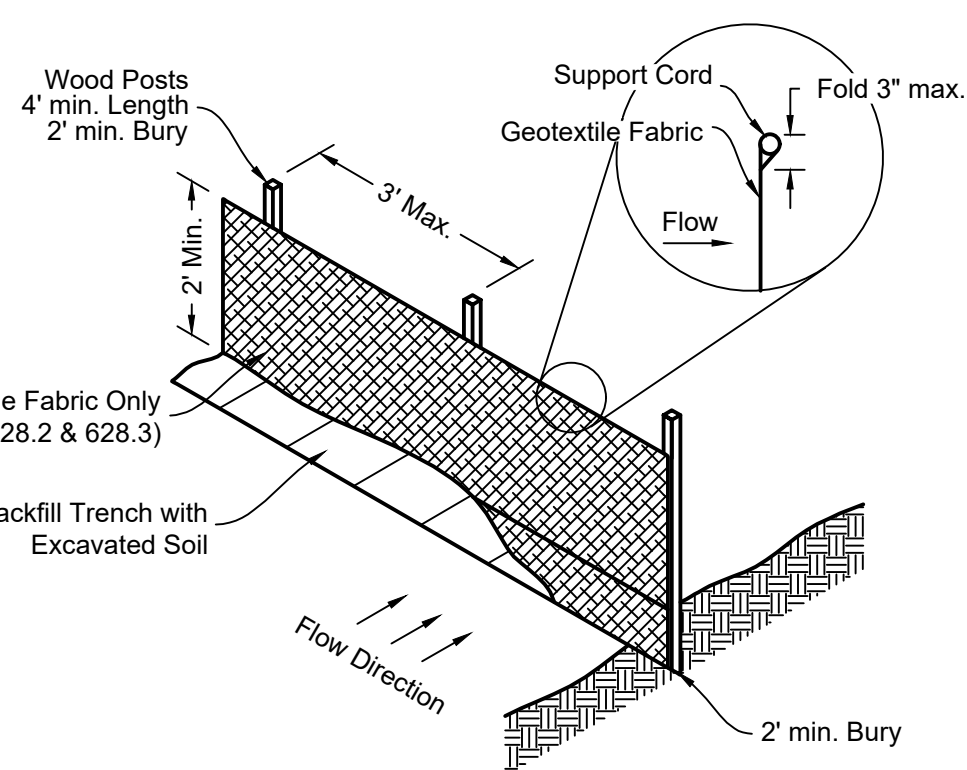
Inlet protection Type B shall be utilized on street inlets without curb heads, once surrounding surface is in place.

Inlet protection Type C shall be utilized on street inlets with curb heads.

TYPE B & C

Trim excess fabric in the flow line to within 3" of the grate.

The contractor shall demonstrate a method of maintenance, using a sewn flap, hand holds, or other method to prevent accumulated sediment from entering the inlet.



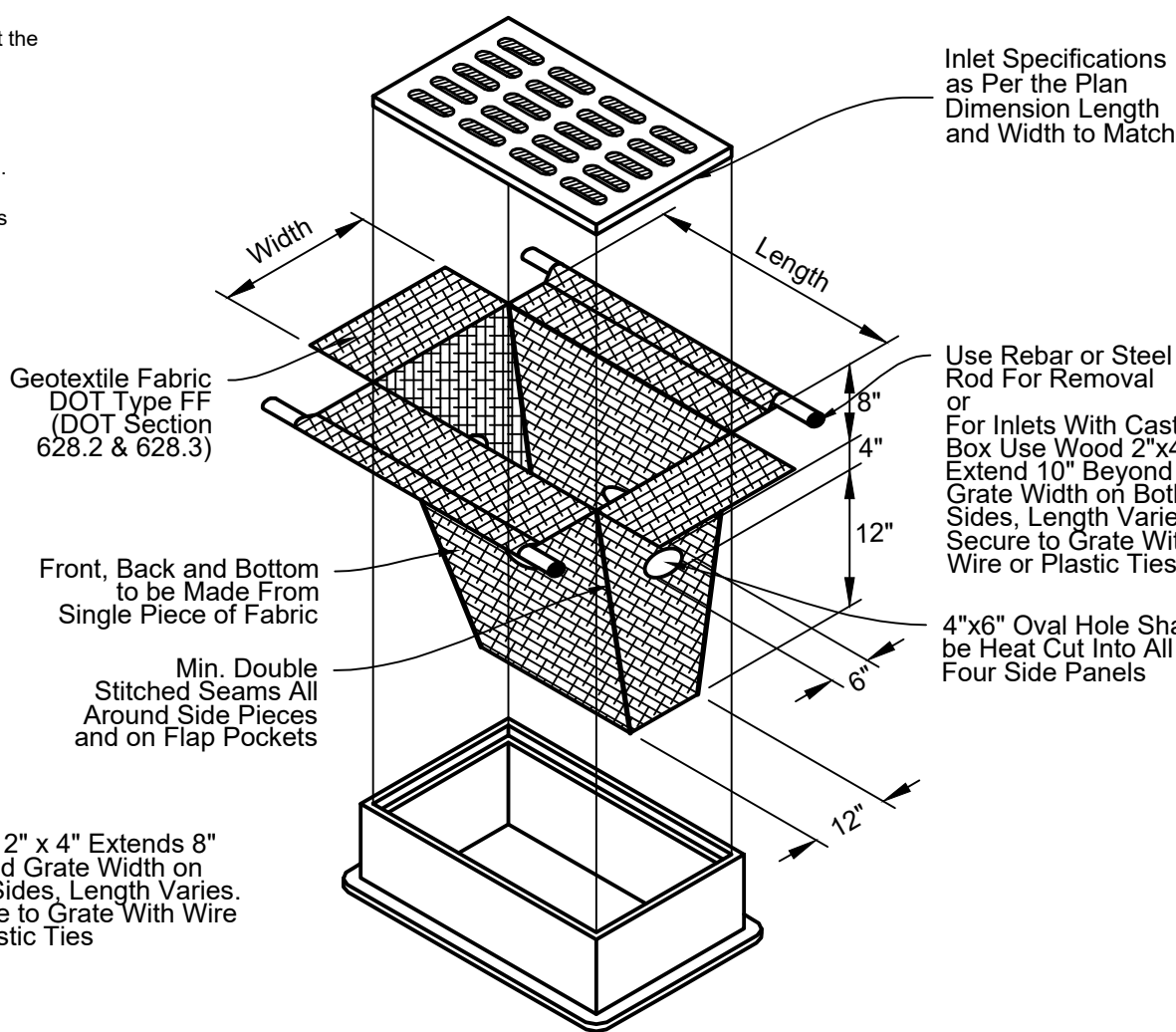
TRENCH DETAIL

Silt fence notes:

1. Detail of construction not shown on this drawings shall conform to criteria set by authorities having jurisdiction and by DNR Technical Standard 1056.
2. When possible, the silt fence should be constructed in an arc or horseshoe shape with the ends pointing upslope to maximize both strength and effectiveness.
3. Attach the fabric to the posts with wire staples or wooden lath and nails.
4. 8'-0" post spacing allowed if a woven geotextile fabric is used.
5. Trench shall be a minimum of 4" wide and 6" deep to bury and anchor the geotextile fabric. Fold material to fit trench and backfill and compact trench with excavated soil.
6. Geotextile fabric shall be reinforced with an industrial polypropylene netting with a maximum mesh spacing of 3/4" or equal. A heavy-duty nylon top support chord or equivalent is required.
7. Steel posts shall be studded "tee" or "u" type with a minimum weight of 128 lbs/lineal foot (without anchor). Fin anchors shall be a minimum size of 4" diameter or 1 1/2" x 3 1/2", except wood posts for geotextile fabric reinforced with netting shall be a minimum size of 1 1/8" x 1 1/8" oak or hickory.

SILT FENCE INSTALLATION

DNR TECHNICAL STANDARD 1056



INLET PROTECTION, TYPE D

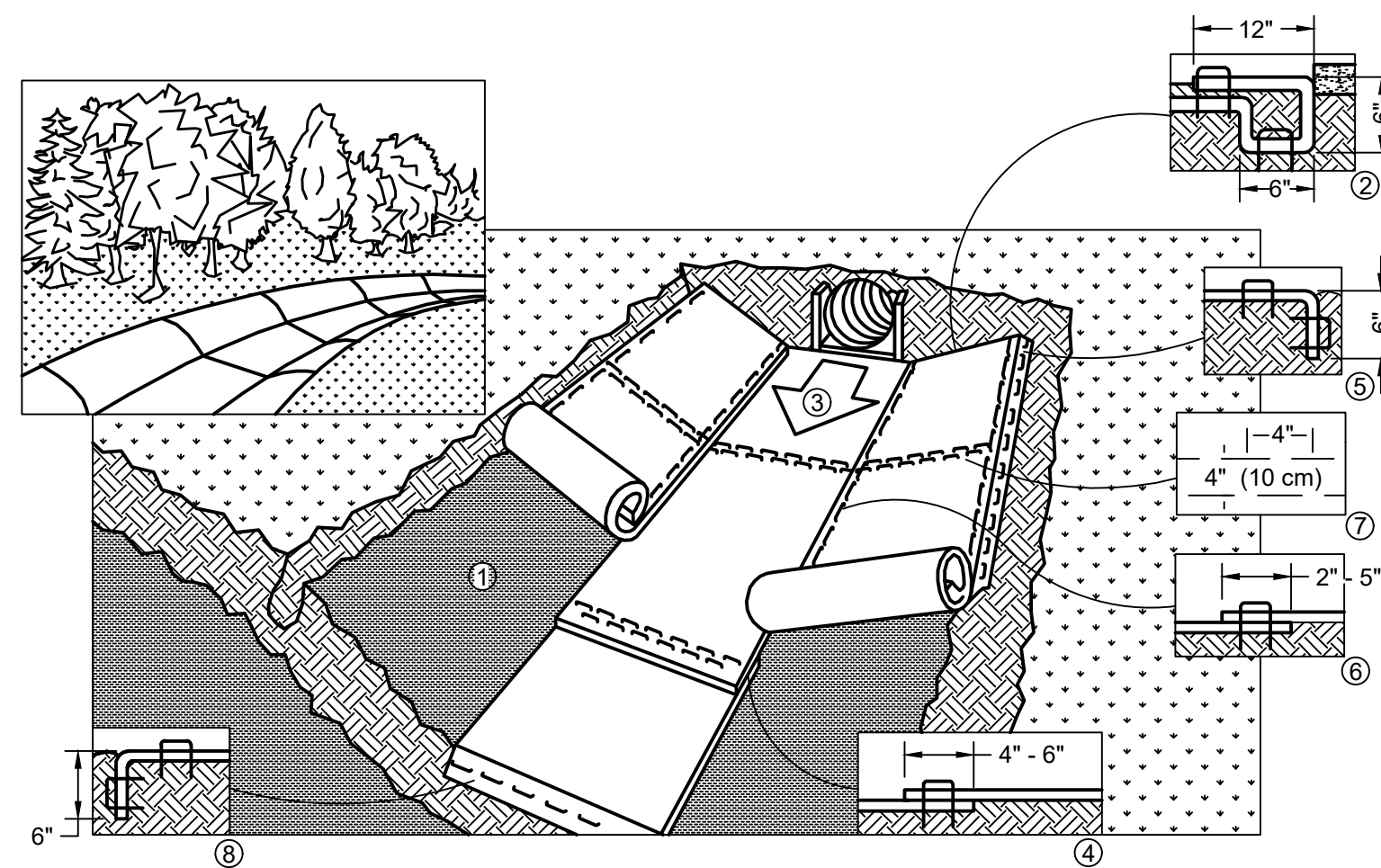
(CAN BE INSTALLED IN ANY INLET WITH OR WITHOUT A CURB BOX)

INSTALLATION NOTES:

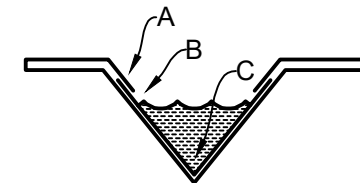
Do not install inlet protection type D in inlets shallower than 30", measured from the bottom of the inlet to the top of the grate.

Trim excess fabric in the flow line to within 3" of the grate.

The installed bag shall have a minimum side clearance between the inlet walls and the bag measured at the bottom of the overflow holes of 3". Where necessary, the contractor shall cinch the bag using plastic zip ties to achieve the 3" clearance. The ties shall be placed at a minimum of 4" from the bottom of the bag.



1. Prepare soil before installing Rolled Erosion Control Products (RECP's), including any necessary application of lime, fertilizer, and seed.
2. Begin at the top of the channel by anchoring the RECP's in a 6" (15 cm) deep x 6" (15 cm) wide trench with approximately 12" (30 cm) of RECP's extended beyond the up-slope portion of the trench. Backfill and compact the trench after stapling. Apply seed to compacted soil and fold remaining 12" (30 cm) portion of RECP's back over seed and compacted soil. Secure RECP's over compacted soil with a row of staples/stakes spaced approximately 12" (30 cm) across the width of the RECP's.
3. Roll center RECP's in direction of water flow in bottom of channel. RECP's will unroll with appropriate side against the soil surface. All RECP's must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staple pattern guide. When using the DOT system, staples/stakes should be placed through each of the colored dots corresponding to the appropriate staple pattern.
4. Place consecutive RECP's end over end (shingle style) with a 4" - 6" (10 cm - 15 cm) overlap. Use a double row of staples staggered 4" (10 cm) apart and 4" (10 cm) on center to secure RECP's.
5. Full length edge of RECP's at top of side slopes must be anchored with a row of staples/stakes approximately 12" (30 cm) apart in a 6" (15 cm) deep x 6" (15 cm) wide trench. Backfill and compact the trench after stapling.
6. Adjacent RECP's must be overlapped approximately 2" - 5" (5 cm - 12.5 cm) (depending on RECP's type) and stapled.
7. In high flow channel applications a staple check slot is recommended at 30 to 40 foot (9 M - 12 M) intervals. Use a double row of staples staggered 4" (10 cm) apart and 4" (10 cm) on center over entire width of the channel.
8. The terminal end of the RECP's must be anchored with a row of staples/stakes approximately 12" (30 cm) apart in a 6" (15 cm) deep x 6" (15 cm) wide trench. Backfill and compact the trench after stapling.
9. Detail provided by North American Green (www.nagreen.com)



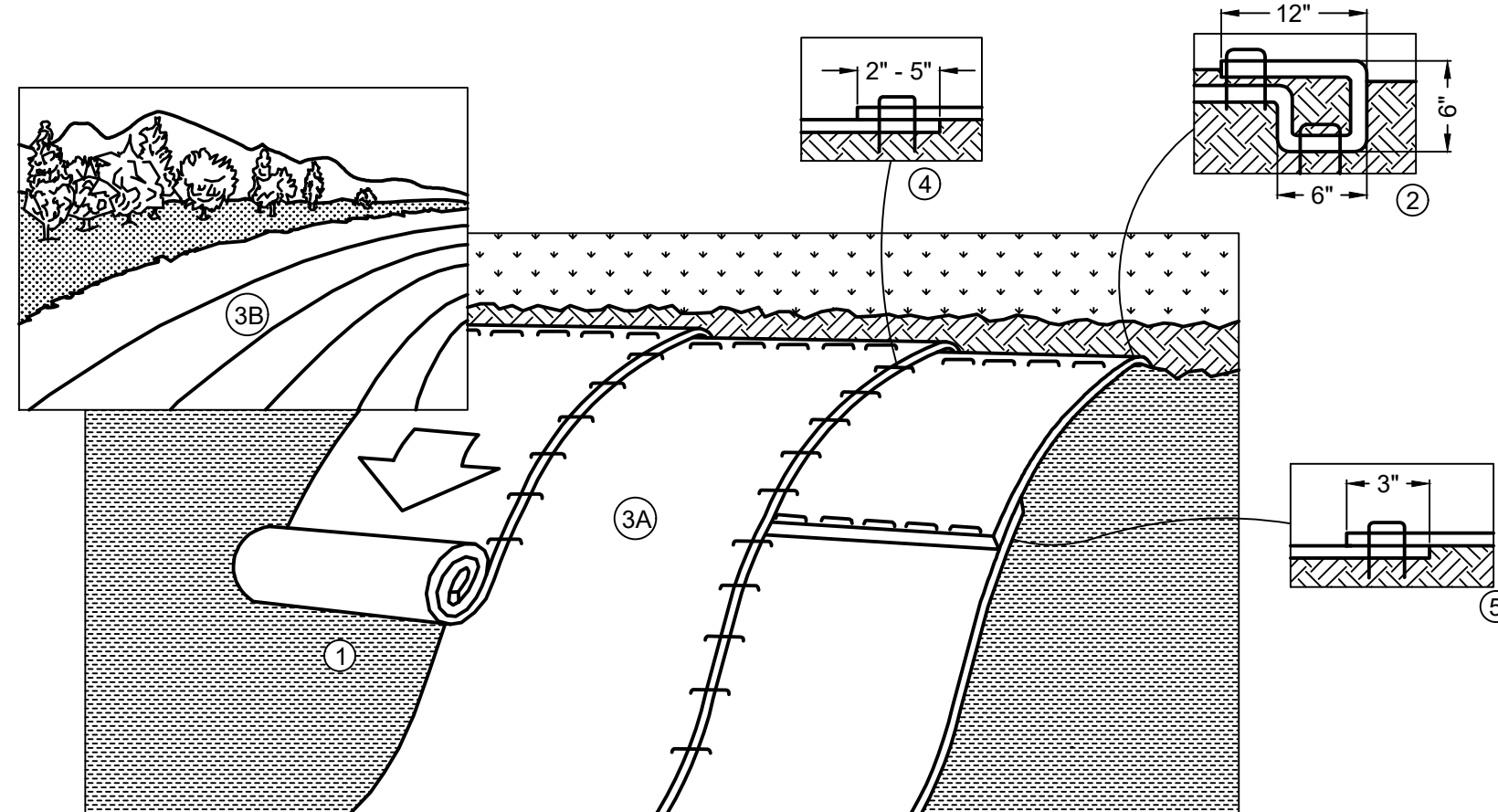
Critical Points
A. Overlaps and seams
B. Projected Water line
C. Channel Bottom/side slope vertices

Note:
* Horizontal staple spacing should be altered if necessary to allow staples to secure the critical points along the channel surface.

** In loose soil conditions, the use of staple or stake lengths greater than 6" (15 cm) may be necessary to properly anchor the RECP's.

EROSION MAT CHANNEL INSTALLATION

DNR TECHNICAL STANDARD 1053



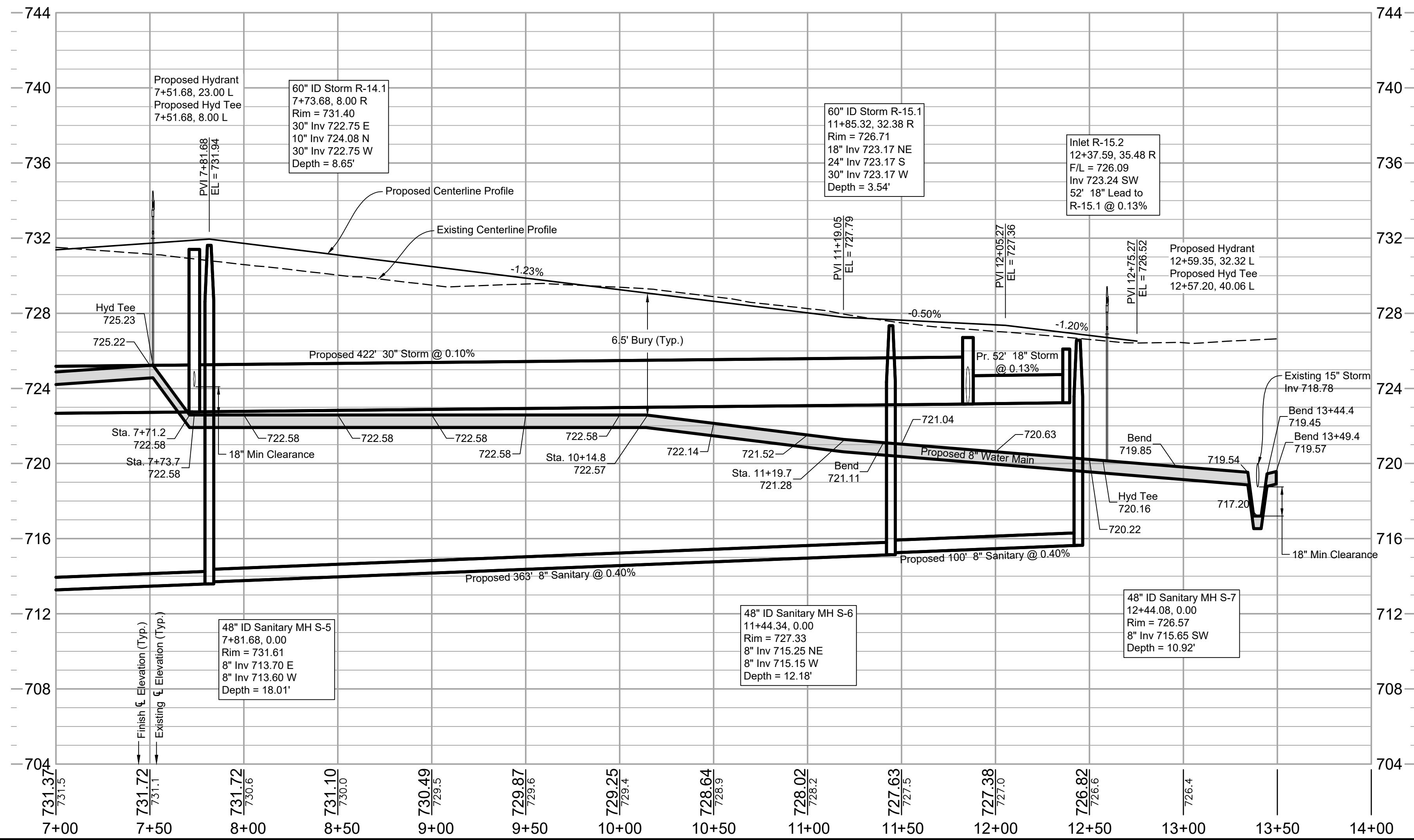
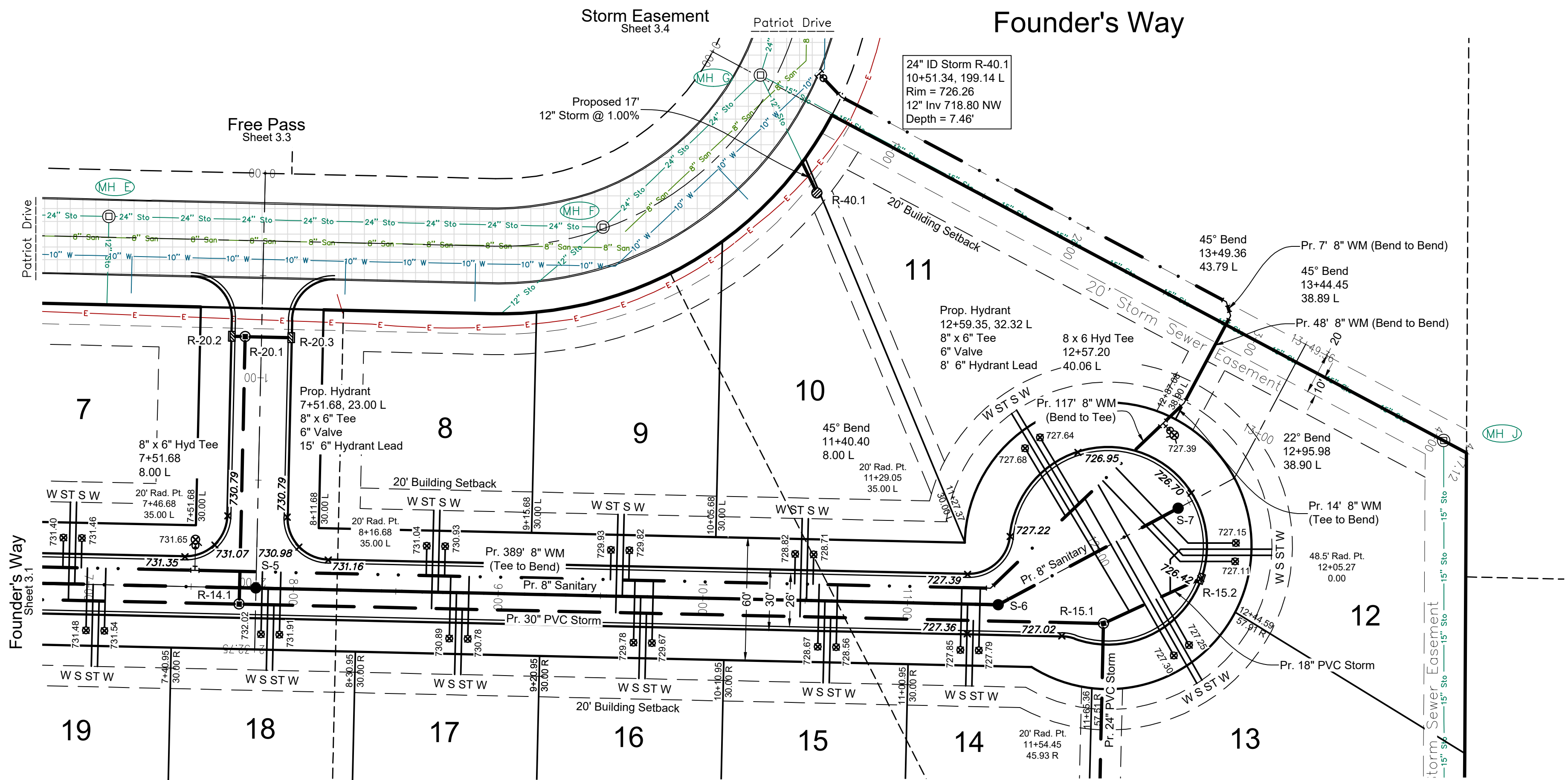
1. Prepare soil before installing Rolled Erosion Control Products (RECP's), including any necessary application of lime, fertilizer, and seed.
2. Begin at the top of the slope by anchoring the RECP's in a 6" (15 cm) deep x 6" (15 cm) wide trench with approximately 12" (30 cm) of RECP's extended beyond the up-slope portion of the trench. Anchor the RECP's with a row of staples/stakes approximately 12" (30 cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to compacted soil and fold remaining 12" (30 cm) portion of RECP's back over seed and compacted soil. Secure RECP's over compacted soil with a row of staples/stakes spaced approximately 12" (30 cm) apart across the width of the RECP's.
3. Roll the RECP's (A.) down or (B.) horizontally across the slope. RECP's will unroll with appropriate side against the soil surface. All RECP's must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staple pattern guide. When using the DOT system, staples/stakes should be placed through each of the colored Dots corresponding to the appropriate staple pattern.
4. The edges of parallel RECP's must be stapled with approximately 2" - 5" (5 cm - 12.5 cm) overlap depending on RECP's type.
5. Consecutive RECP's spliced down the slope must be placed end over end (shingle style) with an approximate 3" (7.5 cm) overlap. Staple through overlapped area, approximately 12" (30 cm) apart across entire RECP's width.
6. Detail provided by North American Green (www.nagreen.com)
7. Turf Reinforcement Mats (TRM's) shall be installed in accordance with the above specifications for all RECP's. Anchoring size and pattern is to be installed per manufacturer specifications for clay soils having 4:1 slope. All TRM's shall be topsoil filled, seeded, and covered with a Class 2, Type B erosion mat in accordance with all manufacturer specifications.

EROSION/TURF REINFORCEMENT MAT SLOPE INSTALLATION

DNR TECHNICAL STANDARD 1052

EROSION & SEDIMENT CONTROL DETAILS

Founder's Estates
Village of Little Chute, Outagamie County, WI
For: Romenesko Developments, Inc.



NOTES:

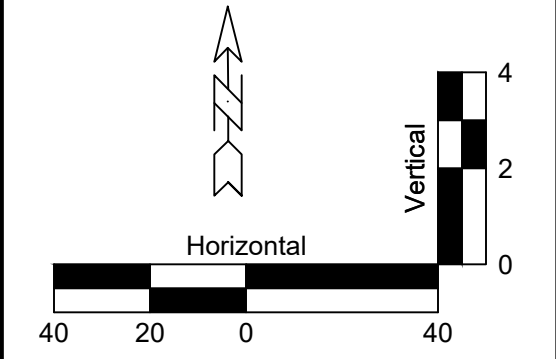
RADIUS STATIONING IS TO BACK OF CURB.

g14.16 = PROPOSED GRADE

ENDWALLS ARE INCLUDED IN CULVERT LENGTH

ALL STRUCTURES LOCATED WITHIN ROADWAY ARE SET TO GRAVEL GRADE (FINISHED GRADE LESS 0.33')

- LEGEND**
- Proposed Storm Sewer
 - Proposed Sanitary Sewer
 - Proposed Water Main
 - Proposed Culvert
 - Proposed Swale/Ditch
 - Proposed Sanitary Manhole
 - Proposed Storm Manhole
 - Proposed Curb Inlet
 - Prop. Catch Basin/Yard Drain
 - Proposed Endwall
 - Proposed Hydrant
 - Proposed Valve
 - Proposed Tee
 - Proposed Cross
 - Proposed Bend
 - Proposed Reducer
 - Proposed Plug



Founder's Estates
Village of Little Chute, Outagamie County, WI
For: Romensko Developments, Inc.

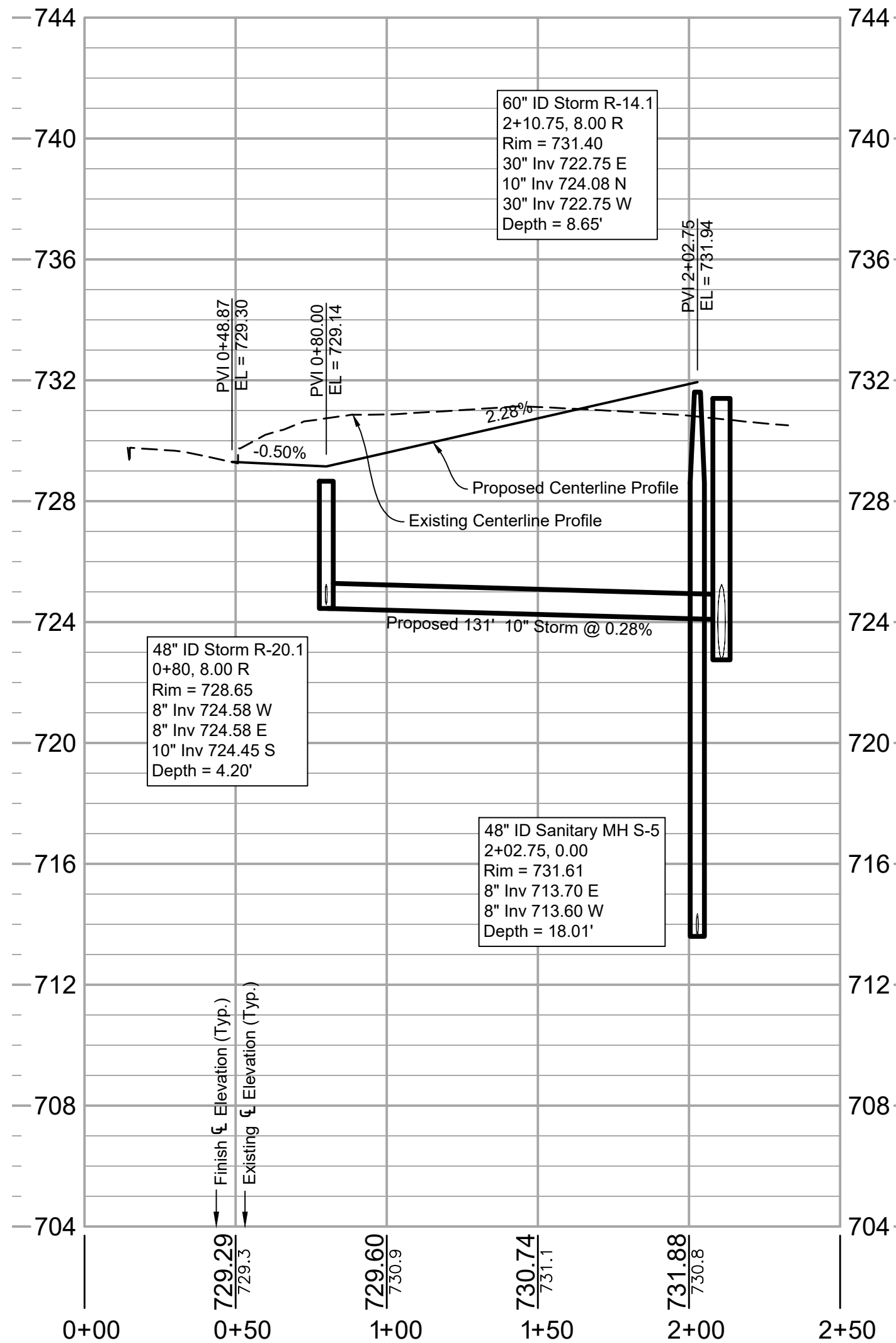
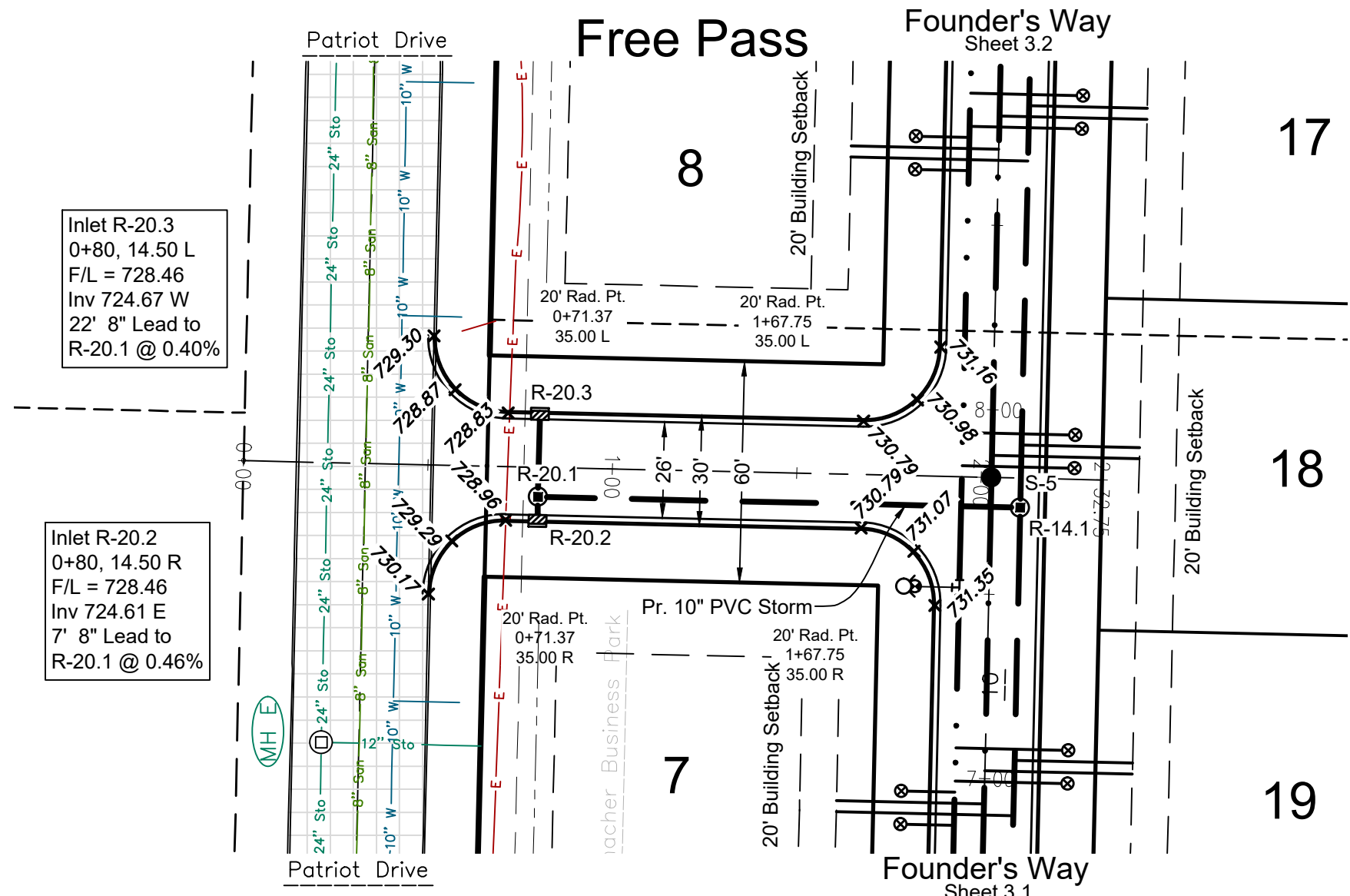
IMPROVEMENT PLANS
Founder's Way
Sta 7+00 to 13+49.36

DAVE ENGINEERING & ENVIRONMENTAL, INC.
Civil Engineers and Land Surveyors
1164 Province Terrace, Menasha, WI 54952
Ph: 920-991-1866 Fax: 920-441-0804
www.davei.pro

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Filename: 7507Prof1.dwg
Date: March 16, 2023
Engineer: MDB
Drafted By: mitch

Page: 3.2



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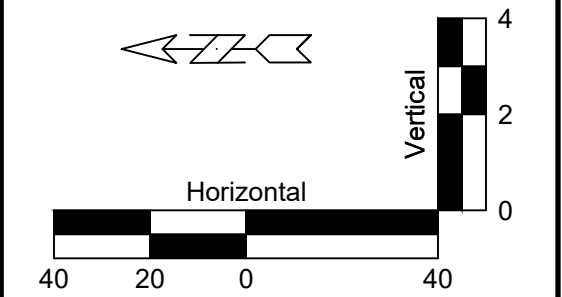
g14.16 = PROPOSED GRADE

ENDWALLS ARE INCLUDED IN CULVERT LENGTH

ALL STRUCTURES LOCATED WITHIN ROADWAY ARE SET TO GRAVEL GRADE (FINISHED GRADE LESS 0.33')

LEGEND

- Proposed Storm Sewer
- Proposed Sanitary Sewer
- Proposed Water Main
- Proposed Culvert
- Proposed Swale/ Ditch
- Proposed Storm Manhole
- Proposed Sanitary Manhole
- Proposed Curb Inlet
- Prop Catch Basin/Yard Drain
- Proposed Endwall
- Proposed Hydrant
- Proposed Valve
- Proposed Tee
- Proposed Cross
- Proposed Bend
- Proposed Reducer
- Proposed Plug



Founder's Estates
Village of Little Chute, Outagamie County, WI
For: Romeneko Developments, Inc.

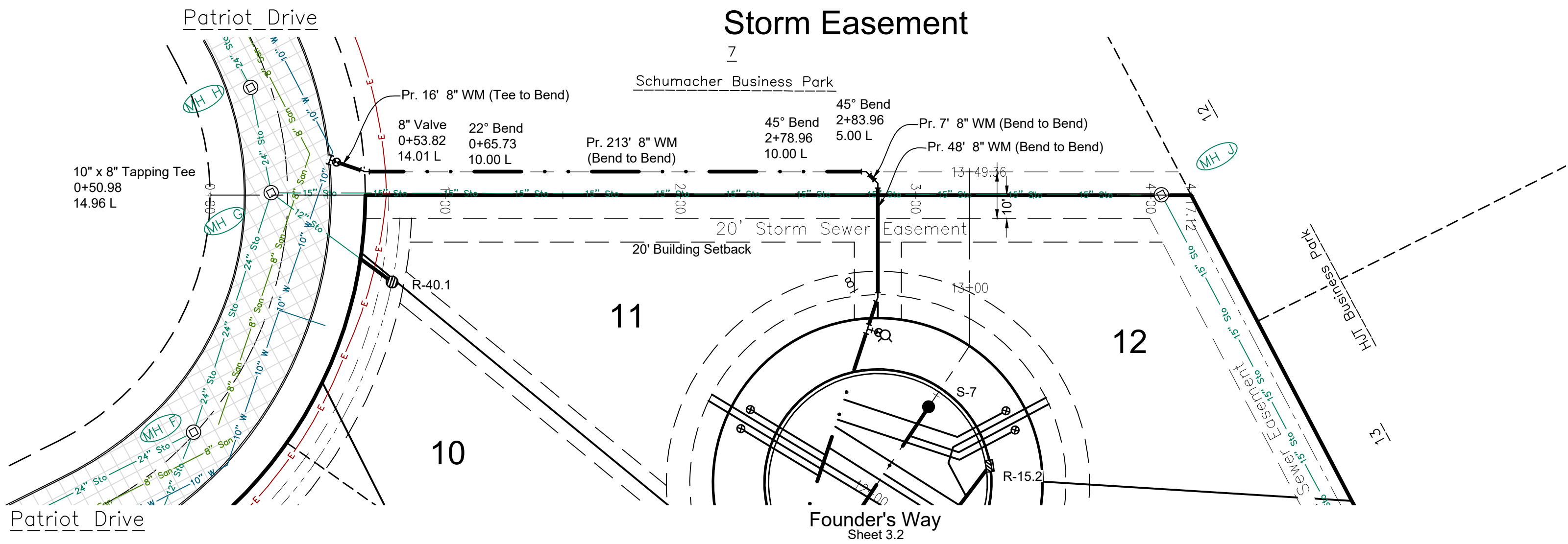
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Free Pass
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DAVE ENGINEERING & ENVIRONMENTAL, INC.
Civil Engineers and Land Surveyors
1164 Province Terrace, Menasha, WI 54952
Ph: 920-991-1866 Fax: 920-441-0804
www.davei.pro

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Date: March 16, 2023
Engineer: MDB
Drafted By: mitch

Page: 3.3



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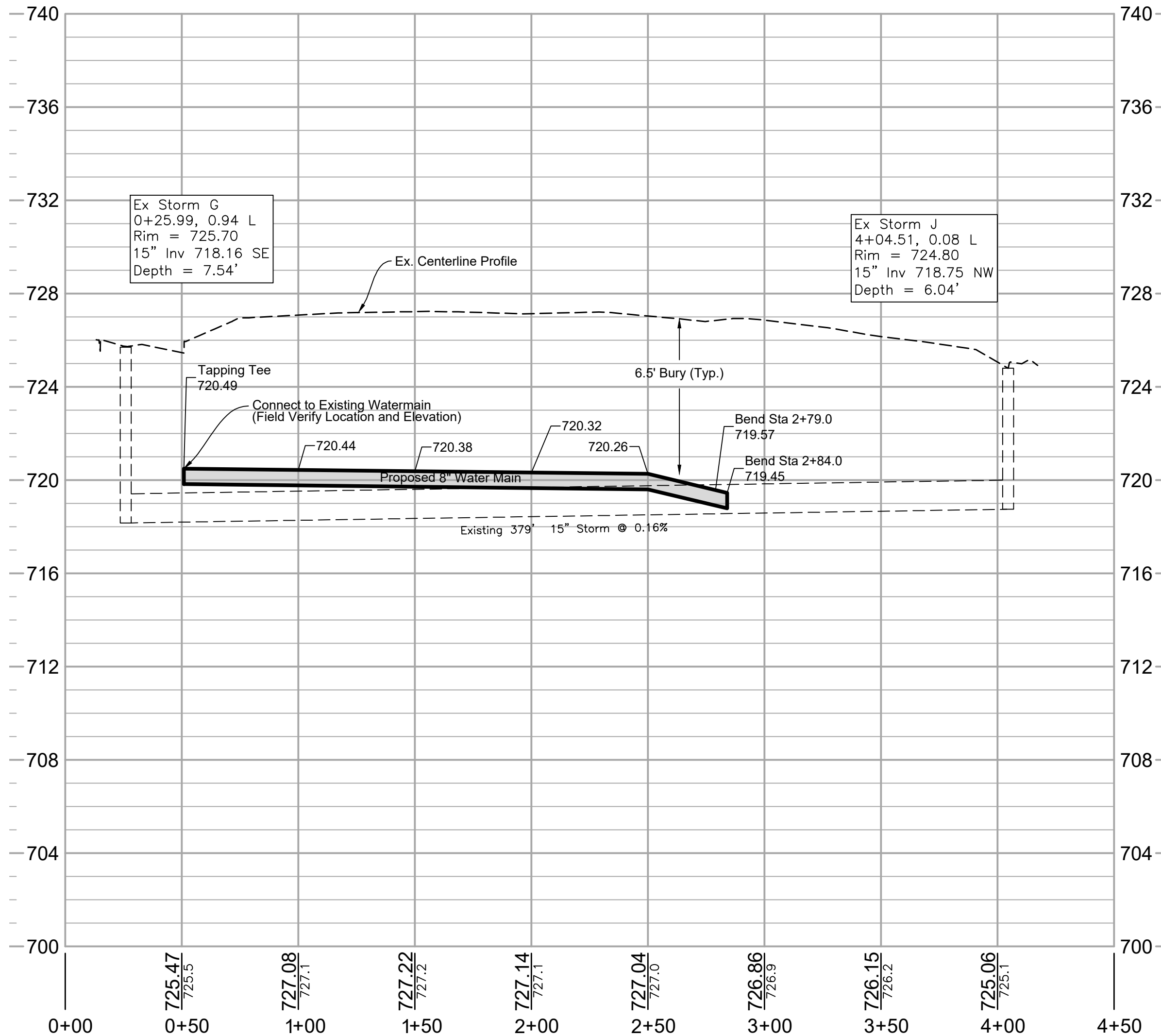
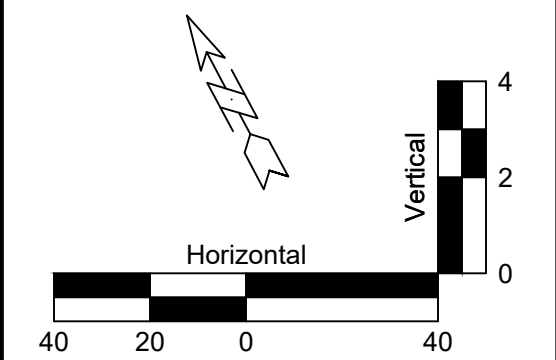
RADIUS STATIONING IS TO BACK OF CURB.
g14.16 = PROPOSED GRADE

ENDWALLS ARE INCLUDED IN CULVERT LENGTH

ALL STRUCTURES LOCATED WITHIN ROADWAY
ARE SET TO GRAVEL GRADE (FINISHED GRADE
LESS 0.33')

LEGEND

- Proposed Storm Sewer
- Proposed Sanitary Sewer
- Proposed Water Main
- Proposed Culvert
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- Proposed Sanitary Manhole
- Proposed Storm Manhole
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- Proposed Hydrant
- Proposed Valve
- Proposed Tee
- Proposed Cross
- Proposed Bend
- Proposed Reducer
- Proposed Plug



Founder's Estates
Village of Little Chute, Outagamie County, WI
For: Romensko Developments, Inc.

IMPROVEMENT PLANS
Storm Easement
Sta 0+00 to 4+17.12

DAVE ENGINEERING &
ENVIRONMENTAL, INC.
Civil Engineers and Land Surveyors
1164 Province Terrace, Menasha, WI 54952
Ph: 920-991-1866 Fax: 920-441-0804
www.davei.pro

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PROPOSED NEW BUILDING FOR:

MIDWEST CARRIERS

LITTLE CHUTE, WISCONSIN

GENERAL NOTES:

1.

DO NOT SCALE DRAWINGS.
2.

ALL WORK TO BE COMPLETED IN ACCORDANCE WITH ALL GOVERNING CODES AND LOCAL ORDINANCES.
3.

EACH CONTRACTOR IS TO OBTAIN AND PAY FOR PERMITS, LICENSES, & FEES.
4.

EACH CONTRACTOR SHALL COORDINATE HIS OR HER WORK WITH UTSCHIG INC. FOR THE PROJECT.
5.

EACH CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND REPORT ANY VARIATIONS TO THE DRAWINGS TO UTSCHIG INC.
6.

ALL HOLES FOR PLUMBING, ELECTRICAL, HVAC, OR FIRE PROTECTION CONDUIT, PIPING OR DUCTWORK ARE TO BE REPAIRED BY THE RESPONSIBLE TRADE. ANY HOLES OR PENETRATIONS THROUGH FIRE RATED CONSTRUCTION SHALL BE APPROPRIATELY FIRESTOPPED, DAMPERED, OR SEALED AS REQUIRED BY CODE.
7.

CLEANING BY EACH TRADE TO BE DONE ON FINAL WORK DAY OF EACH WEEK TO ENSURE SAFE WORKING CONDITIONS. ALL TRADES TO CLEAN UP ALL ITEMS RELATED TO THEIR SPECIFIC WORK. GARBAGE TO BE PLACED IN PROJECT SUPPLIED DUMPSTER BY UTSCHIG INC.
8.

FINAL CLEANING TO BE BY UTSCHIG INC.
9.

EACH DESIGN/BUILD CONTRACTOR TO SUBMIT THREE COPIES OF STATE APPROVED DRAWINGS TO ARCHITECT ALONG WITH SPECIFICATIONS OF THE PRODUCTS TO BE INSTALLED PRIOR TO BEGINNING OF WORK.

PROJECT CODES:

BUILDING CODE	2015 INTERNATIONAL BUILDING CODE
OCCUPANCY CLASS	S-1- STORAGE
CLASS OF CONST.	TYPE 2B
GROUND SNOW LOAD	40 LBS
COLLATERAL LOAD	5 LBS
WIND LOAD	115 MPH
WIND EXPOSURE	C
SEISMIC CATEGORY	A
AUTOMATIC FIRE SPRINKLER SYSTEM	NFPA-13 FULLY PROTECTED
SOIL BEARING PRESSURE	2,000 LBS ASSUMED
EXIT SIGNS	INSTALL PER IBC SECTION 1011
FIRE EXTINGUISHERS	INSTALL PER NFPA 1 & LOCAL CODES

ARCHITECT:

UTSCHIG INC.
JEREMY J. WESENER
N1050 CRAFTSMEN DRIVE
GREENVILLE, WI 54942
920-757-0999

SHEET INDEX:

GENERAL		BID SET	VILLAGE SET	STATE	FOR CONSTRUCTION
T0.1	TITLE SHEET	01/30/23	03/01/23		
CIVIL					
C1.1	TOPOGRAPHIC SURVEY	01/30/23	03/01/23		
C1.2	DRAINAGE AND GRADING PLAN NORTH	01/30/23	03/01/23		
C1.3	DRAINAGE AND GRADING PLAN SOUTH	01/30/23	03/01/23		
C1.4	EROSION & SEDIMENT CONTROL PLAN NORTH	01/30/23	03/01/23		
C1.5	EROSION & SEDIMENT CONTROL PLAN SOUTH	01/30/23	03/01/23		
C1.6	UTILITY PLAN	01/30/23	03/01/23		
C2.1	CONSTRUCTION DETAILS	01/30/23	03/01/23		
C2.2	EROSION & SEDIMENT CONTROL DETAILS	01/30/23	03/01/23		
C2.3	STORMWATER POND DETAILS	01/30/23	03/01/23		
C2.4	STORMWATER POND DETAILS	01/30/23	03/01/23		
L1.1	LANDSCAPING PLAN	01/30/23	03/01/23		
STRUCTURAL					
S1.1	OVERALL FOUNDATION PLAN	01/30/23	03/01/23		
S5.1	DETAILS	01/30/23	03/01/23		
S5.2	PIER DETAILS	01/30/23	03/01/23		
S5.3	DETAILS	01/30/23	03/01/23		
ARCHITECTURAL					
A0.0	3d Images	01/30/23	03/01/23		
A0.1	ADA REQUIREMENTS				
A1.1	OVERALL FLOOR PLAN	01/30/23	03/01/23		
A1.2	OVERALL MEZZANINE PLAN	01/30/23	03/01/23		
A2.1	ELEVATIONS	01/30/23	03/01/23		
A2.2	INTERIOR ELEVATIONS				
A3.1	BUILDING SECTIONS				
A4.0	ENLARGED FIRST FLOOR OFFICE PLAN	01/30/23	03/01/23		
A4.1	ENLARGED SHOP OFFICE PLAN	01/30/23	03/01/23		
A4.2	ENLARGED MEZZANINE PLANS	01/30/23	03/01/23		
A4.4	ENLARGED STAIR PLAN	01/30/23			
A6.1	ROOM & DOOR FINISH SCHEDULE				
A7.1	REFLECTED CEILING PLAN	01/30/23			
A7.2	REFLECTED CEILING PLANS	01/30/23			

PROPOSED NEW DEVELOPMENT FOR:

MIDWEST CARRIERS

LITTLE CHUTE, WISCONSIN

TITLE SHEET

Description

Date

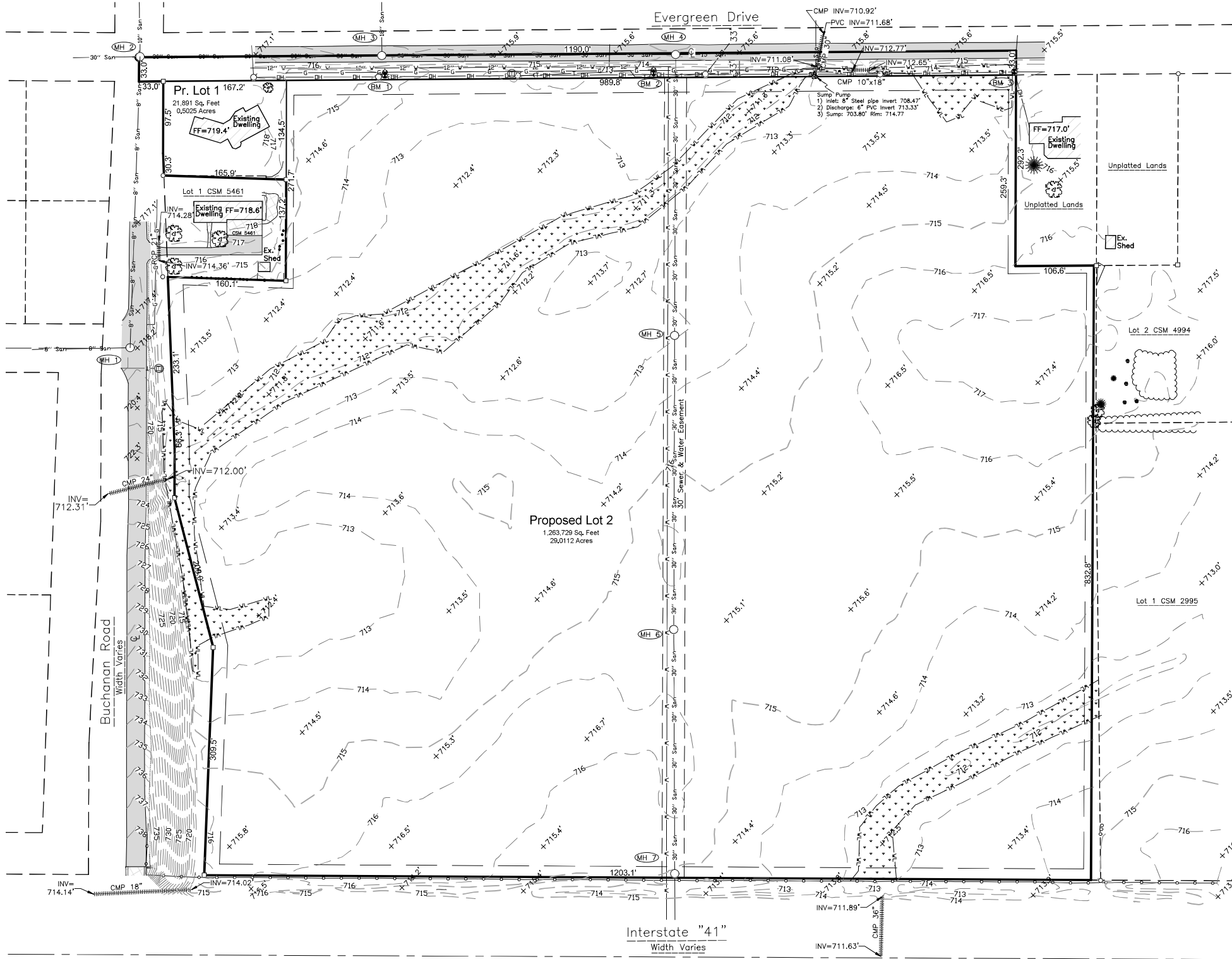
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Architect of Record

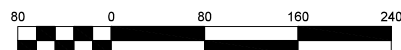
Drawn By	Approved By
JUN	JUN
Project No.	Date
21-2380	10-8-21
Sheet No.	

T0.1

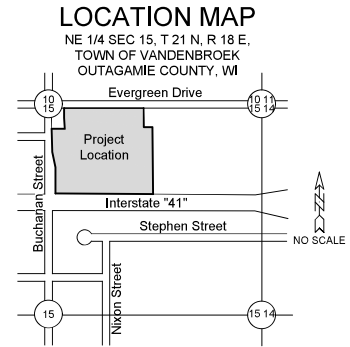
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LEGEND			
	Overhead Utility Lines		Sanitary MH / Tank / Base
	Utility Guy Wire		Hydrant
	Sanitary Sewer (Pipe Size)		Utility Valve
	Underground Gas Line		Utility Pole
	Underground Telephone		Guy Wire
	Water Main (Pipe Size)		Telephone Manhole
	Fence - Steel		Ex Spot Elevation
	Tree Line		
	Index Contour - Existing		
	Intermediate Contour - Existing		
	Delineated Wetlands		



SHEET INDEX:	
Sheet	Page
Topographic Survey	C1.1
Drainage and Grading Plan North	C1.2
Drainage and Grading Plan South	C1.3
Erosion & Sediment Control Plan North	C1.4
Erosion & Sediment Control Plan South	C1.5
Utility Plan	C1.6
Construction Details	C2.1
Erosion & Sediment Control Details	C2.2
Stormwater Pond Details	C2.3
Stormwater Pond Details	C2.4



BENCHMARKS (NAVD88)	
BM 0	NGS Monument (DE 7759) East R/W of Holland Rd Elev 726.52'
BM 1	Fire Hydrant, Tag Bolt ±340' E of Evergreen Dr/Buchanan Rd Intersection Elev 717.27'
BM 2	Fire Hydrant, Tag Bolt South R/W of Evergreen Dr/±360' East of BM 1 Elev 714.86'
BM 3	Nail in Power Pole #33C3-22/10 South R/W of Evergreen Dr/±490' East of BM 2 Elev 715.03'

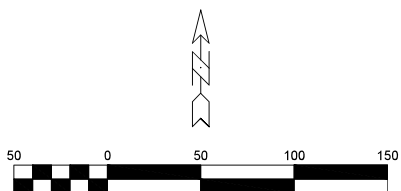
Sanitary Structures						
Structure	#	Rim	Inv	Size	Material	Direction
MH 1		717.95	703.22	8"	PVC	N
			703.22	8"	PVC	W
MH 2		717.79	701.53	8"	PVC	S
			701.23	10"	PVC	N
			699.76	30"	PVC	W
			699.76	30"	PVC	E
MH 3		716.09	699.50	18"	PVC	N
			699.40	30"	PVC	W
			699.40	30"	PVC	E
MH 4		715.04	700.93	15"	PVC	E
			698.93	30"	PVC	W
			698.93	30"	PVC	S
MH 5		712.49	698.71	30"	PVC	N
			698.71	30"	PVC	S
MH 6		715.26	698.06	30"	PVC	N
			698.06	30"	PVC	S
MH 7		714.69	697.59	30"	PVC	S
			697.59	30"	PVC	N





LEGEND

	CATV		Sanitary MH / Tank / Base		CATV Pedestal
	FO		Clean Out / Curb Stop / Pull Box		Gas Regulator
	OH		Storm Manhole		Railroad Signal
	Utility Guy Wire		Inlet		Sign
	San		Catch Basin / Yard Drain		Tower / Silo
	Sto		Water MH / Well		Post / Guard Post
	E		Hydrant		Satellite Dish
	G		Utility Valve		Large Rock
	T		Utility Meter		Flag Pole
	W		Utility Pole		Deciduous Tree
	Fence - Steel		Light Pole / Signal		Coniferous Tree
	Fence - Wood		Guy Wire		Bush / Hedge
	Fence - Barbed Wire		Electric Pedestal		Stump
	Tree Line		Electric Transformer		Soil Boring
	Railroad Tracks		Air Conditioner		Benchmark
	Culvert		Telephone Pedestal		Asphalt Pavement
	Index Contour		Telephone Manhole		Concrete Pavement
	Intermediate Contour		+799.9 Ex Spot Elevation		Gravel
	Delineated Wetlands				
	Proposed Storm Sewer		Proposed Storm Manhole		Proposed Building
	Proposed Contour		Proposed Curb Inlet		Proposed Asphalt
	Proposed Swale		Prop. Catch Basin / Yard Drain		Proposed Concrete
	Proposed Culvert		Proposed Rip Rap		Proposed Gravel
	Prop. Flowline Spot Elev.		Prop. Drainage Direction		
	Prop. Top of Walk Elev.				
	Existing Grade				
			FF=000.0 Prop. Finished Floor Elev.		



NOTES:

- Existing utilities shown are indicated in accordance with available records and field measurements. The contractor shall be responsible for obtaining exact locations & elevations of all utilities, including sewer and water from the owners of the respective utilities. All utility owners shall be notified by the contractor 72 hours prior to excavation. Contact Digger's Hotline (1-800-242-8511) for exact utility locations.
- The Contractor shall verify all staking and field layout against the plan and field conditions prior to constructing the work and immediately notify the Engineer of any discrepancies.
- The contractor shall minimize the area disturbed by construction as the project is constructed. Disturbed areas shall be seeded as soon as final grade is established. Contractor shall replace topsoil and then seed, fertilize and mulch all lawn areas within 1 week of topsoil placement.
- Contractor shall remove all excess materials from the site. Earthwork contractors shall verify topsoil depth.
- Updated survey and title search have not been authorized and the boundary and easements shown may be inaccurate or incomplete.
- The wetland disturbance is subject to Wisconsin Dept of Natural Resources and United States Army Corps of Engineers permits and permit conditions.

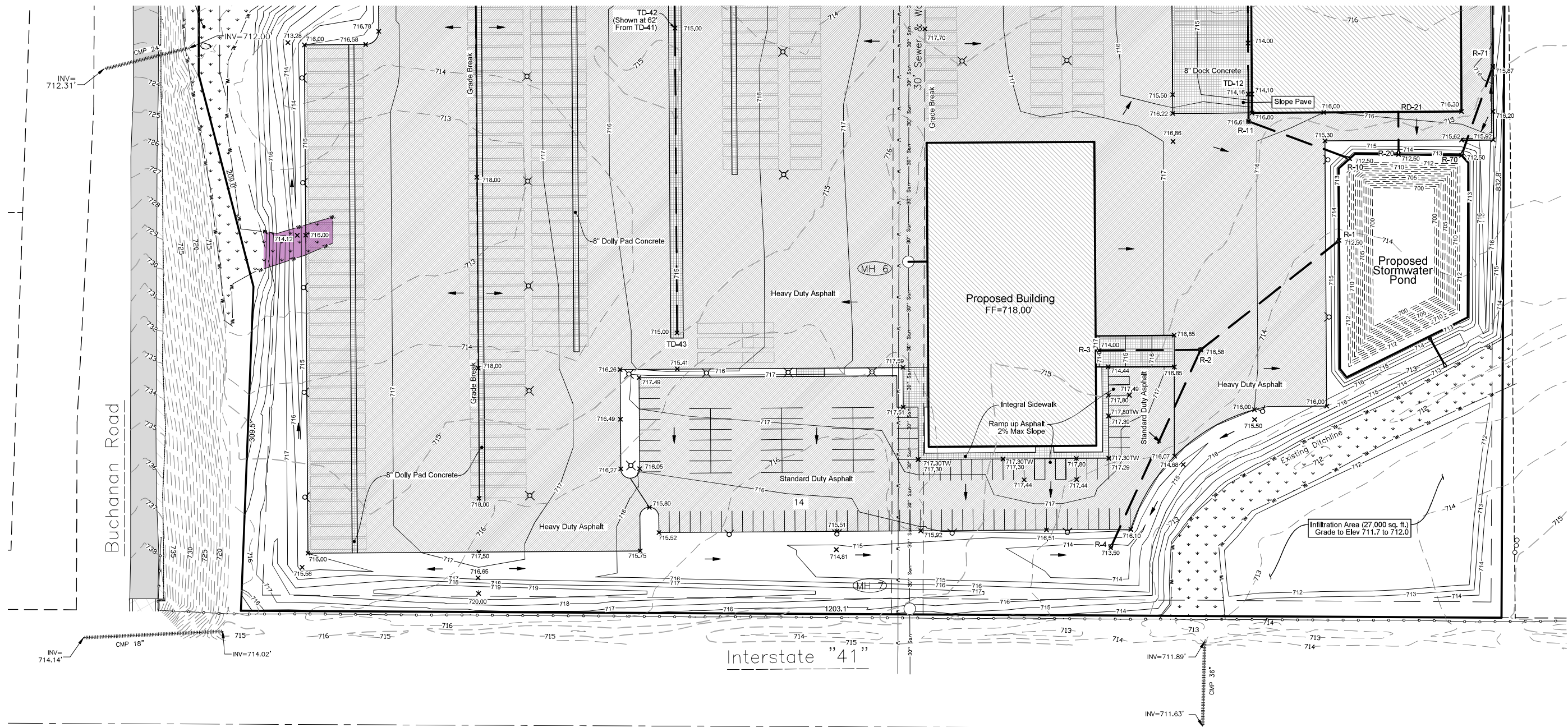
DRAINAGE & GRADING PLAN NORTH

Midwest Carriers
Village of Little Chute, Outagamie County, WI
For: Utschig Inc.





























































































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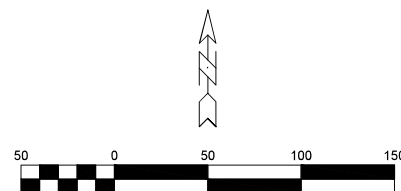
DAVEL ENGINEERING &
ENVIRONMENTAL, INC.
Civil Engineers and Land Surveyors
1164 Province Terrace, Menasha, WI 54952
Ph: 920-991-1688 Fax: 920-441-6804
www.davelinc.com

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LEGEND

 CATV	 Underground Cable TV	 Sanitary MH / Tank / Base	 CATV Pedestal
 FO	 Underground Fiber Optic	 Clean Out / Curb Stop / Pull Box	 Gas Regulator
 OH	 Overhead Electric Lines	 Storm Manhole	 Railroad Signal
 San	 Sanitary Sewer	 Inlet	 Sign
 Sto	 Storm Sewer	 Water MH / Well	 Tower / Pole
 E	 Underground Electric	 Hydrant	 Post / Guard Post
 G	 Underground Gas Line	 Utility Valve	 Satellite Dish
 T	 Underground Telephone	 Utility Meter	 Large Rock
 W	 Water Main	 Light Pole / Signal	 Flag Pole
 Fence - Steel	 Fence - Wood	 Guy Wire	 Deciduous Tree
 Fence - Barbed Wire	 Fence - Barbed Wire	 Electric Pedestal	 Coniferous Tree
 Trestle	 Trestle	 Electric Transformer	 Bush / Hedge
 Railroad Tracks	 Railroad Tracks	 Air Conditioner	 Swamp
 Culvert	 Culvert	 Telephone Pedestal	 Soil Boring
 Index Contour	 Index Contour	 Telephone Manhole	 Benchmark
 Intermediate Contour	 Intermediate Contour	 Asphalt Pavement	 Concrete Pavement
 Delineated Wetlands	 Delineated Wetlands	 Gravel	
 Proposed Storm Sewer	 Proposed Storm Sewer	 Proposed Storm Manhole	 Proposed Building
 Proposed Contour	 Proposed Contour	 Proposed Curb Inlet	 Proposed Asphalt
 Proposed Swale	 Proposed Swale	 Prop. Catch Basin / Yard Drain	 Proposed Concrete
 Proposed Culvert	 Proposed Culvert	 Proposed Endwall	 Proposed Gravel
 Prop. Flowline Spot Elev.	 Prop. Flowline Spot Elev.	 Proposed Rip Rap	
 Prop. Top of Walk Elev.	 Prop. Top of Walk Elev.	 Prop. Drainage Direction	
 Existing Grade	 Existing Grade	 Prop. Finished Floor Elev.	

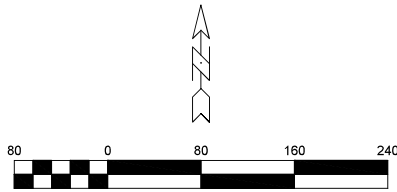


NOTE:

Refer to sheet C1.2 for general notes.

LEGEND

CATV	CATV	Underground Cable TV	Sanitary MH / Tank / Base	CATV Pedestal
FO	FO	Underground Fiber Optic	Clean Out / Curb Stop / Pull Box	Gas Regulator
OH	OH	Overhead Electric Lines	Storm Manhole	Railroad Signal
San	San	Sanitary Sewer	Inlet	Sign
Sto	Sto	Storm Sewer	Catch Basin / Yard Drain	Tower / Silo
E	E	Underground Electric	Water MH / Well	Post / Guard Post
G	G	Underground Gas Line	Hydrant	Satellite Dish
T	T	Underground Telephone	Utility Valve	Flag Pole
W	W	Water Main	Utility Meter	Deciduous Tree
W	W	Fence - Steel	Light Pole / Signal	Coniferous Tree
W	W	Fence - Wood	Guy Wire	Bush / Hedge
W	W	Fence - Barbed Wire	Electric Pedestal	Slump
W	W	Tree Line	Air Transformer	Soil Boring
W	W	Railroad Tracks	Telephone Pedestal	Benchmark
W	W	Culvert	Telephone Manhole	Asphalt Pavement
W	W	Index Contour	Ex Spot Elevation	Concrete Pavement
W	W	Intermediate Contour		Gravel
W	W	Delineated Wetlands		
W	W	Proposed Storm Sewer	Proposed Sanitary Manhole	Proposed Reducer
W	W	Proposed Sanitary Sewer	Proposed Storm Manhole	Proposed Plug
W	W	Proposed Water Main	Proposed Curb Inlet	Proposed Water MH
W	W	Proposed Contour	Prop. Catch Basin / Yard Drain	Proposed Tee
W	W	Proposed Swale	Proposed Endwall	Proposed Cross
W	W	Proposed Culvert	Proposed Hydrant	Proposed 90° Bend
W	W	Proposed Building	Proposed Valve	Proposed 45° Bend
W	W	Proposed Asphalt	Proposed Curb Stop	Proposed 22.5° Bend
W	W	Proposed Concrete	Proposed Cleanout	
W	W	Proposed Gravel		

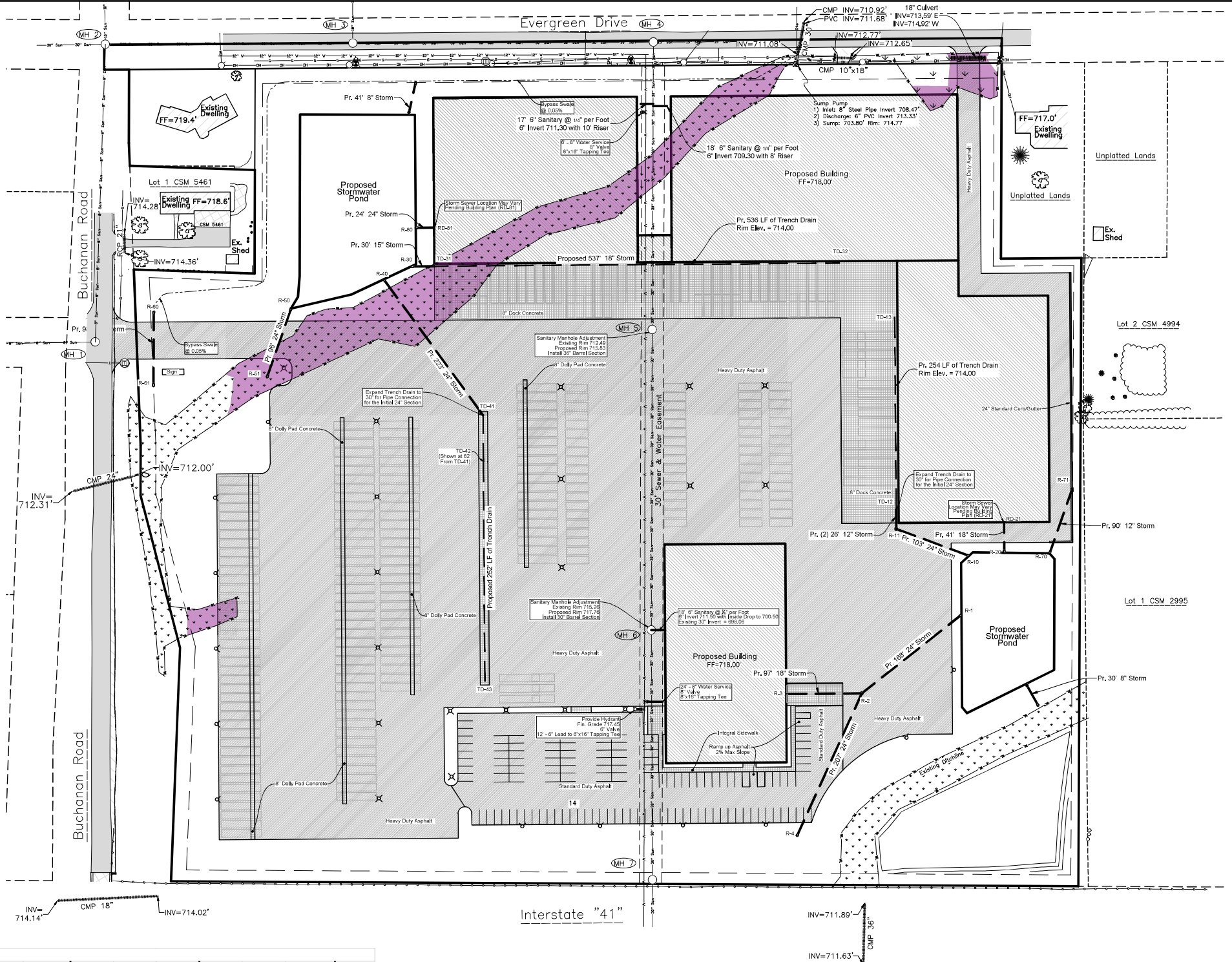


STORM SEWER STRUCTURE SUMMARY

Structure	Type	Size	Cover	Final Grade	Rim	Pipe Invert	Invert Depth
R-1.	Endwall	---	---	---	---	712.50	---
R-2.	MH (60)	60" ID	R-1550	716.58	712.84	3.74	---
R-3.	Catch Basin	36" ID	R-1550 (Open)	714.00	713.18	0.82	---
R-4.	Endwall	---	---	---	---	713.50	---
R-10.	Endwall	---	---	---	---	712.50	---
R-11.	MH (48)	48" ID	R-1550	716.61	712.60	4.01	---
TD12	Trench Drain	Refer	to Detail	714.00	713.08	0.92	---
TD13	Trench Drain	Refer	to Detail	714.00	713.46	0.54	---
R-20.	Endwall	---	---	---	---	712.50	---
RD20	Endwall	---	---	---	---	---	---
R-30.	Endwall	---	---	---	---	712.00	---
TD31	Trench Drain	Refer	to Detail	714.00	712.30	1.70	---
TD32	Trench Drain	Refer	to Detail	714.00	712.91	1.09	---
R-40.	Endwall	---	---	---	---	712.00	---
TD41	Trench Drain	Refer	to Detail	716.00	712.67	3.33	---
TD42	Trench Drain	Refer	to Detail	715.00	712.76	2.24	---
TD43	Trench Drain	Refer	to Detail	715.00	713.20	1.80	---
R-50.	Endwall	---	---	---	---	712.00	---
R-51.	Endwall	---	---	---	---	712.47	---
R-60.	Endwall	---	---	---	---	711.81	---
R-61.	Endwall	---	---	---	---	711.91	---
R-70.	Endwall	---	---	---	---	712.50	---
R-71.	Inlet	3x2" ID	R-3067	715.87	712.77	3.10	---
R-80.	Endwall	---	---	---	---	712.00	---
RD81	Endwall	---	---	---	---	---	---

STORM SEWER PIPE SUMMARY

Reach	US	DS	US Inv	DS Inv	Length	Slope	Size (in)	Node Drop	Phase	Total Area (SF)	Grass (SF)	Roof (SF)	Pavement (SF)	Runoff (GPM)	Pipe Flow (GPM)	Capacity (GPM)	Runoff (cfs)	Pipe Flow (cfs)	Capacity (cfs)	Velocity (ft/s)
R-2.	R-1.	712.84	712.50	168	0.0020	24	0.00			0	0	0	0	0	4822	4019	0.00	10.74	10.06	3.5
R-3.	R-2.	713.18	713.04	96	0.0015	18	0.00			48600	0	46400	2200	1852	1852	1978	4.13	4.13	4.41	2.6
R-4.	R-2.	713.50	713.09	207	0.0020	24	0.25			125700	42459	0	83241	2970	2970	4919	6.62	6.62	10.96	3.5
R-11.	R-10.	712.80	712.50	103	0.0010	24	0.00			0	0	0	0	0	2313	3478	0.00	5.15	7.75	2.5
TD12	R-11.	713.08	713.00	26	0.0030	18	0.00			75163	0	0	75163	2313	2313	2798	5.15	5.15	6.23	3.5
TD13	TD12	713.46	713.08	255	0.0015	18	0.00			0	0	0	0	0	0	1978	0.00	0.00	4.41	2.5
RD21	R-20.	712.70	712.50	40	0.0050	18	0.00			63886	0	63886	0	2457	2457	3612	5.47	5.47	8.05	4.6
TD31	R-30.	712.30	712.00	30	0.0100	15	0.00			91308	0	0	91308	2809	2809	3141	6.26	6.26	7.00	5.7
TD32	TD31	712.91	712.10	537	0.0015	18	0.00			0	0	0	0	0	0	1978	0.00	0.00	4.41	2.5
TD41	R-40.	712.67	712.00	223	0.0030	24	0.00			0	0	0	0	0	5767	6025	0.00	12.85	13.42	4.3
TD42	TD41	712.76	712.67	62	0.0015	18	0.00			189265	2683	0	186582	5767	5767	1978	12.85	12.85	4.41	2.5
TD43	TD42	713.20	712.76	290	0.0015	18	0.00			0	0	0	0	0	0	1978	0.00	0.00	4.41	2.5
R-51.	R-50.	712.47	712.00	158	0.0030	24	0.00			133290	33578	0	99712	3391	3391	6025	7.56	7.56	13.42	4.3
R-61.	R-60.	711.91	711.81	96	0.0010	30	0.00			0	0	0	0	0	0	6307	0.00	0.00	14.05	2.9
R-71.	R-70.	712.77	712.50	90	0.0030	12	0.00			8991	0	0	8991	277	277	949	0.62	0.62	2.11	2.7
R-81	R-80.	712.12	712.00	24	0.0050	24	0.00			144350	0	144350	0	5552	5552	7778	12.37	12.37	17.33	5.5



Sewer and Water shall be constructed in accordance with the State of Wisconsin Standard Specifications for Sewer and Water Construction.

Contractor shall locate all buried facilities prior to excavating. This plan may not correctly or completely show all buried utilities.

The Contractor shall verify all staking and field layout against the plan and field conditions prior to constructing the work and immediately notify the Engineer of any discrepancies.

The Contractor shall comply with all conditions of the Erosion Control Plan and the Storm Water discharge Permit. All Erosion Control shall be done in accordance with the Plan and Wisconsin DNR Technical Standards.

The outside services are shown to stop at a point 5 feet outside the foundation wall. The Contractor shall be responsible for coordination of continuation of the services into the building to properly coincide with the interior plumbing plans, and compliance with all plumbing permits.

The Contractor is responsible for compliance with Department of Safety & Professional Services, Chapter SPS 382, for lateral construction and cleanout locations.

The contractor shall coordinate with provider for electric, gas, and telecommunication service connection and relocations.

Pipe lengths are measured to center of structure. Endwalls are included in pipe length.

Water Pipe shall be PVC C900 D(18), with minimum of 18 gauge, insulated (blue), single-conductor copper tracer wire, or equivalent, per SPS 382.40 (8)(k).

Sanitary Sewer Pipe shall be PVC SDR 35, with minimum of 18 gauge, insulated (green), single-conductor copper tracer wire, or equivalent, per SPS 382.30 (11)(h).

Storm Sewer Pipe shall be PVC SDR(35), Reinforced Concrete Class III, or HDPE, AASHTO M 294, Type S with water tight joints, with minimum of 18 gauge, insulated (brown), single-conductor copper tracer wire, or equivalent, per SPS 382.36 (7)(d)10.a.



PROPOSED NEW DEVELOPMENT FOR:

MIDWEST CARRIERS

LITTLE CAUTE, WISCONSIN

3d images

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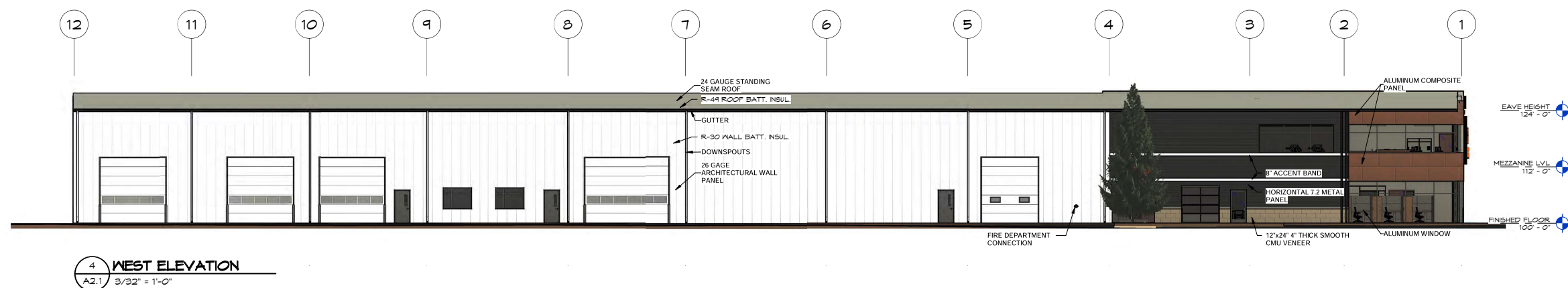
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SHEET INFORMATION

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Approved By: JUN
Project No.: 21-2380
Date: 10-8-21
Sheet No.:

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PROPOSED BUILDING FOR:

GRIT 365

LOT #9 ALLEGIANCE COURT LITTLE CHUTE, WISCONSIN

SPECIFICATION NOTES

A. GENERAL:

1. All work and materials shall conform to the 2015 International Building Code as adopted by the State of Wisconsin and all other applicable state and local codes. All work shall be performed in a complete and workmanlike manner.
2. Provide adequate clearances from power lines and other hazards. Notify all affected utility companies to locate existing lines. Provide at least three working days notice if any remarking of utility locations is required.
3. Provide all necessary labor, materials, equipment, and services required to complete all work as specified or shown on these drawings.

B. SITE WORK:

1. The following items shall be included with the earthwork contractor's work: All excavating and backfilling including foundation walls and footings, shaping ditches, grading, and granular base course.
All backfill material inside building lines shall be granular in nature, placed in layers not to exceed 9 inches thickness, and compacted by means of vibratory equipment to at least 95% of maximum density, at optimum moisture content, in accordance with ASTM D1557-91. Top 3" shall be crusher run gravel.
2. The following items shall be covered under separate contracts: Bituminous pavement, concrete curbs and driveway aprons, sewer & water work, and landscaping.
3. Earthwork Contractor's bid shall include excavating, trenching, and backfilling for all walls and footings. All backfill material within building lines shall be granular in nature, placed in layers not to exceed 9 inches thickness, and machine compacted to at least 95% of maximum density, at optimum content, in accordance with ASTM D1557-91. Top 3" shall be crusher run gravel.
4. Prevent surface water and subsurface or ground water from flowing into excavations and from flooding project site and surrounding area.

Do not allow water to accumulate in excavations. Remove water to prevent softening of foundation bottoms, undercutting footings, and soil changes detrimental to stability of subgrades and foundations. Provide and maintain pumps, well points, sumps, suction and discharge lines, and other dewatering system components necessary to convey water away from excavations.

Establish and maintain temporary drainage ditches and other diversions outside excavation limits to convey rain water and water removed from excavations to collecting or run-off areas. Do not use trench excavations as temporary drainage ditches.

C. PRE-ENGINEERED METAL BUILDING

1. Building shall be designed, manufactured, and erected in conformance with MBMA standards.
2. Pre-engineered metal building permit drawings shall be designed, and sealed by a Wisconsin-registered Professional Engineer.
3. Pre-engineered metal building designer shall supply Utschig, Inc. four (4) copies of stamped drawings and (2) sets of calculations for submittal to Dept. of Commerce.
4. Metal building designer shall include adequate provisions to accommodate thermal expansion and contraction of roof system. Provisions may include longitudinal and/or transverse roof steps (joints), special ridge and eaves connection details; at the designer's discretion.

D. FINISH ITEMS:

1. Insulation shall be as noted on drawings.
2. Exterior service doors shall be hollow core metal doors, with polystyrene foam cores, in metal frames. Frames to be insulated with 4" insulation.
All required exit doors shall have illuminated exit lights and exit hardware in conformance with Wisconsin Enrolled Commercial Building Code Chapter 10, section 1003.2.10.
3. Exterior overhead doors, frames, and hardware shall be similar to Bay-Therm 11 insulating door.

E. HVAC WORK: Covered under separate contract.

F. ELECTRICAL WORK: Covered under separate contract.

G. PLUMBING WORK: Covered under separate contract.

GENERAL NOTES

ONE SET OF "STATE OF WISCONSIN - CONDITIONALLY APPROVED" PLANS MUST BE KEPT ON SITE DURING ALL WORKING PERIODS.

CONTRACTORS SHALL LOCATE ALL UTILITIES BEFORE CONSTRUCTION AND NOTIFY ENGINEER AND OWNER OF ANY INTERFERENCES.

CONTRACTORS SHALL PROVIDE ALL BARRIERS, BARRICADES, FENCES AND SAFETY EQUIPMENT AND PRECAUTIONS REQUIRED BY ALL CODES AND SAFE CONSTRUCTION PRACTICES.

ALL CONSTRUCTION SHALL CONFORM TO STATE AND LOCAL CODES AND ORDINANCES.

ALL MATERIALS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS.

CONSTRUCTION OF THIS BUILDING SHALL MEET OR EXCEED ALL APPLICABLE ORDINANCES, CODES AND STANDARDS. IN THE CASE OF CONFLICT, THE MOST STRINGENT SHALL APPLY.

THIS SET OF DRAWINGS SHOW AS CLEARLY AS POSSIBLE THE INTENT OF THIS PROJECT. IT IS IMPOSSIBLE TO SHOW EACH AND EVERY SPECIFIC DETAIL COMPONENT, ANCHOR, ETC. ON THE DOCUMENTS. THEREFORE, IT IS THE RESPONSIBILITY OF THE CONTRACTOR(S) TO PROVIDE ALL LABOR AND MATERIAL, INCLUDING ITEMS NOT SPECIFICALLY SHOWN, AS NECESSARY TO ACCOMPLISH THE INTENT OF THESE DOCUMENTS AND A COMPLETE OPERATING SYSTEM OR ASSEMBLY.

VERIFY ALL DIMENSIONS AND CONDITIONS IN FIELD AND REPORT ANY DISCREPANCIES TO THE ARCHITECT/ENGINEER, IN WRITING, FOR CLARIFICATION.

ALL PLAN DIMENSIONS ARE NOMINAL. SEE DETAILS FOR ACTUAL DIMENSIONS NEEDED AND COORDINATE ALL DIMENSIONS WITH SHOP DRAWINGS AND MATERIAL SUPPLIERS.

DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE SHOWN. WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, NOTIFY ARCHITECT/ENGINEER, IN WRITING, FOR CLARIFICATION PRIOR TO PROCEEDING WITH WORK.

REFER TO ALL DRAWINGS, INCLUDING ARCHITECTURAL, CIVIL, AND STRUCTURAL FOR ADDITIONAL GENERAL NOTES, ABBREVIATIONS AND SYMBOLS.

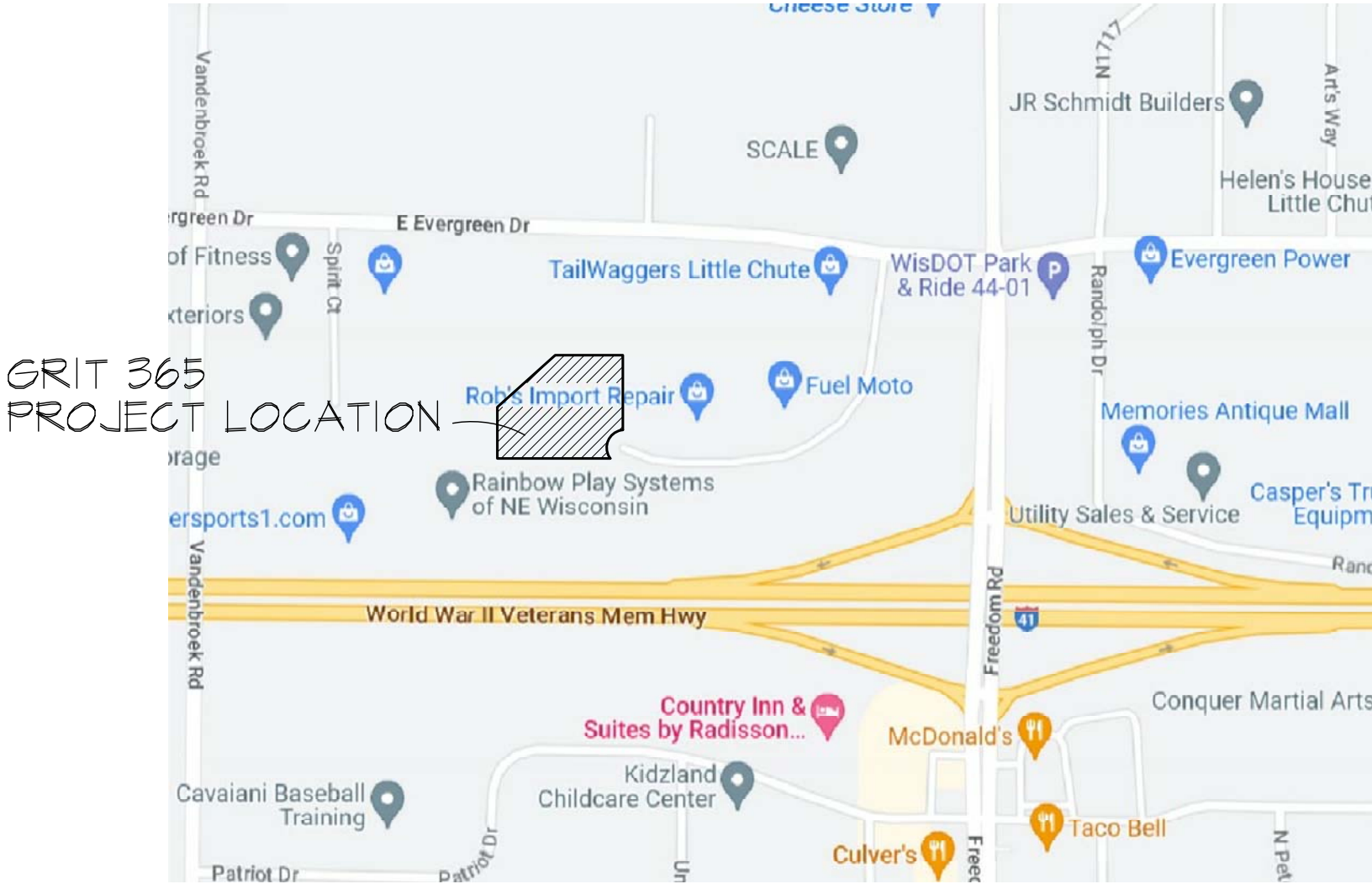
ALL DRAWINGS ARE OF EQUAL IMPORTANCE IN DEFINING WORK OF THIS CONTRACT. CONTRACTORS SHALL REVIEW ALL DRAWINGS PRIOR TO INSTALLATION OF THEIR WORK. SHOULD THERE BE A DISCREPANCY WITHIN AND BETWEEN THE DRAWINGS, NOTIFY THE ARCHITECT/ENGINEER, IN WRITING, FOR CLARIFICATION PRIOR TO INSTALLATION OF SAID WORK. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT ITS EXPENSE AND AT NO ADDITIONAL COST TO THE OWNER OR ARCHITECT/ENGINEER.

DO NOT SCALE DRAWINGS. THE DRAWINGS MAY NOT NECESSARILY BE TO SCALE - USE GIVEN DIMENSIONS. CONTRACTORS SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO THE START OF CONSTRUCTION. IF DISCREPANCIES ARE FOUND, NOTIFY THE ARCHITECT/ENGINEER, IN WRITING, FOR CLARIFICATION PRIOR TO COMMENCING WITH THE WORK.

GENERAL CONTRACTOR SHALL COORDINATE ALL FIRE PROTECTION, PLUMBING, HVAC AND ELECTRICAL FLOOR, ROOF, AND WALL SLEEVES AND ALL SHAFTS WITH STRUCTURAL AND ARCHITECTURAL DRAWINGS.

FIRE PROTECTION, PLUMBING, HVAC AND ELECTRICAL DESIGN/BUILD CONTRACTORS SHALL PROVIDE SLEEVED PENETRATIONS THROUGH FIRE-RATED CONSTRUCTION WITH FIRE-SAFING AND/OR FIRE DAMPERS EQUIVALENT TO THE HOURLY FIRE RATING OF THE CONSTRUCTION.

PRIOR TO CONSTRUCTION, GENERAL CONTRACTOR SHALL SUBMIT PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS AND CALCULATIONS TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO FABRICATING BUILDING COMPONENTS. UPON SATISFACTORY REVIEW OF ARCHITECT/ENGINEER, GENERAL CONTRACTOR TO PROVIDE 3 SETS OF ENGINEERED METAL BUILDING DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF WISCONSIN TO THE ARCHITECT/ENGINEER AS A STRUCTURAL COMPONENT SUBMITTAL.



PROJECT INFORMATION

OCCUPANCY: STORAGE S1 & A-3 NON-SEPARATED
TYPE OF CONSTRUCTION: IIB (METAL FRAMED UNPROTECTED)
NON-SPRINKLERED

OCCUPANT LOAD (ACTUAL)

BASED ON COURT USAGE
MAX. (12) PER COURT
(24) PLAYERS TOTAL
(12) LOBBY
(2) STORAGE
(50) TOTAL

EGRESS WIDTH REQUIRED
2' / OCCUPANT NON-SPRINKLED

EXIT ACCESS TRAVEL DISTANCE
250' PER TABLE 1004.2.4

TOILET FACILITIES PER TABLE 2902.1

MENS 19 OCC.
19/25 = .16 W.C. 19/200 = .1 LAV.
1 W.C. REQUIRED 1 LAV. REQUIRED
1 W.C., 1 URINAL, 1 LAV. PROVIDED

WOMENS 19 OCC.
19/65 = .29 W.C. 19/200 = .1 LAV.
1 W.C. REQUIRED 1 LAV. REQUIRED
1 W.C., 1 LAV. PROVIDED

1 SERVICE SINK PROVIDED IN B.B. STORAGE ROOM
BOTTLED WATER PROVIDED BY OWNER

ACTUAL AREA PER FLOOR
TOTAL BUILDING AREA 11,860 S.F.
PROJECT AREA 11,860 S.F.

ALLOWABLE AREA PER FLOOR
ASSEMBLY A-3, N5 - 9,500 S.F.
AREA INCREASE BASED ON FRONTAGE
PER 506.9 - ((F/P) x 0.25)) (W/50)
(325/440 x 0.25) (25.12/50)
(.750 x 0.25 = .408) (.857) = .418 ALLOWABLE INCREASE
.418 x 9,500 = 3,971
3,971 + 9,500 = 13,471 S.F. ALLOWED

GRADE PLAN DETERMINATION
THE GREATEST HGT. FROM GRADE TO TOP OF WALL IS 18'-0"
ALLOWABLE HEIGHT PER TABLE 503 IS 55'
NUMBER OF STORIES (1)
THIS BUILDING HAS ONE FLOOR LEVEL

OWNER: GRIT 365, LLC
JORDAN JOHNSON
212 HAYES STREET
KAUKAUNA, WI 54130
CONTACT: JORDAN JOHNSON

DESIGNERS OF RECORD:
ARCHITECT: UTSCHIG, INC.
N1040 CRAFTSMAN DR.
GREENVILLE, WI 54942
P.(920) 757-0999

CONTACT: JEREMY J. WESENER

CONTRACTOR:
UTSCHIG, INC.
N1040 CRAFTSMAN DRIVE
GREENVILLE, WISCONSIN 54942
P.(920) 757-0999

CONTACT: JEREMY J. WESENER

INDEX OF DRAWINGS

T 1.00	TITLE SHEET
C 1.0	EXISTING CONDITIONS
C 2.0	SITE PLAN
C 3.0	UTILITY PLAN
C 4.0	GRADING PLAN
C 5.0	EROSION CONTROL PLAN
C 5.1	EROSION CONTROL DETAILS
L 1.0	LANDSCAPE PLAN
E 501	SITE PHOTOMETRICS
A 1.01	FLOOR PLAN
A 2.01	BUILDING ELEVATIONS

ISSUED FOR PLAN COMMISSION
ISSUED FOR PRICING

3/28/23
2/15/23

NEW BUILDING FOR:

GRIT 365

LOT #9 ALLEGIANCE COURT, LITTLE CHUTE, WI

TITLESHEET

Description

No. Date

Page Information

Drawn By EAF
Approved By JJW

Project No. 22-2456
Date 3/28/23

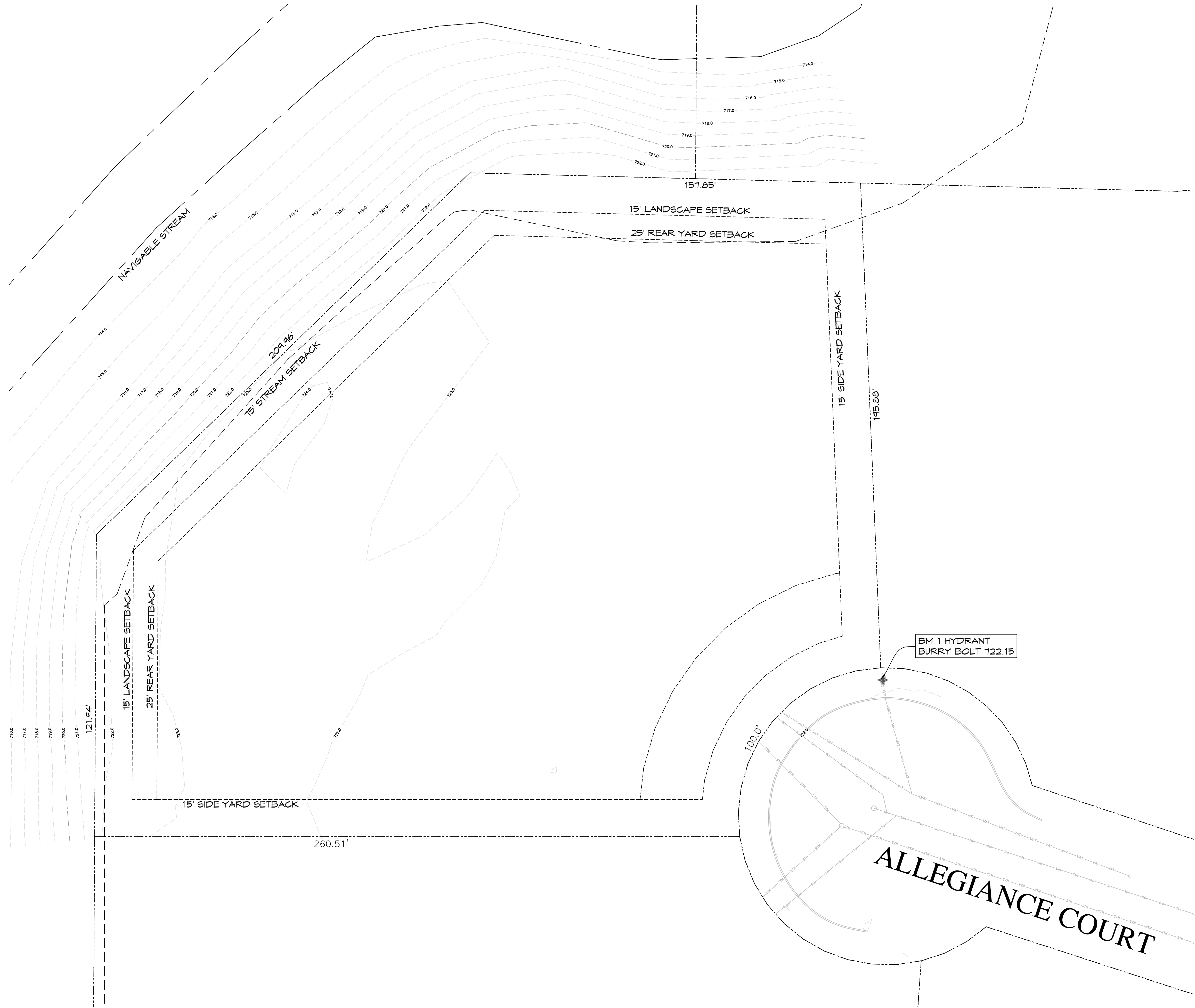
Sheet No.

T100



PHONE: 920.757.0999
FAX: 920.757.1015

N1040 CRAFTSMEN DRIVE
GREENVILLE, WI 54942



1 EXISTING CONDITIONS
C1.0 1" = 20'-0"

BENCHMARKS		
LABEL	ELEVATION	DESCRIPTION
BM 1	722.15	HYDRANT TAG BOLT

CIVIL GENERAL NOTES

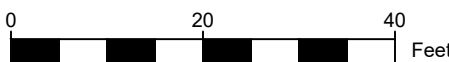
1. SURVEY WAS PERFORMED BY CIVIL FOX ENGINEERING, LLC MARCH 2023
2. SURVEY IS IN WISCONSIN COUNTY COORDINATE SYSTEM-OUTAGAMIE COUNTY
3. SURVEY VERTICAL DATUM NAVD 88
4. THIS SURVEY DOES NOT GUARANTEE THE EXISTENCE/NON-EXISTENCE, SIZE, TYPE OR LOCATION OF UNDERGROUND UTILITIES. UTILITIES SHOWN ARE BASED ON ABOVEGROUND UTILITY STRUCTURES (I.E. VALVES, MANHOLES, ETC.), AND AVAILABLE UTILITY MAPS AND PLANS.
5. UNLESS OTHERWISE INDICATED, ALL EXISTING STRUCTURES AND FACILITIES SHALL REMAIN.
6. PROVIDE TURF, AS SPECIFIED TO ALL DISTURBED AREAS NOT RECEIVING PAVEMENTS, CURBS, SIDEWALKS, BUILDINGS, OR LANDSCAPING, WITHIN THE LIMITS OF CONSTRUCTION.
7. NO LAND DISTURBING ACTIVITIES SHALL TAKE PLACE UNTIL ALL TEMPORARY SOIL EROSION DEVICES ARE INSTALLED.
8. ALL GRADE TRANSITIONS BETWEEN NEW AND EXISTING SHALL BE SMOOTH AND GRADUAL WITH NO SHARP OR ABRUPT CHANGES.
9. COORDINATE THE WORK OF ALL TRADES-VERIFY ALL FIELD CONDITIONS, QUANTITIES AND DIMENSIONS PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES SHALL BE PROMPTLY BROUGHT TO THE ATTENTION OF THE ARCHITECT.
10. EXECUTE ALL WORK WITH CARE AS TO PROTECT FROM DAMAGE ADJACENT EXISTING FEATURES TO REMAIN. ANY SUCH DAMAGE SHALL BE REPAIRED OR REPLACED TO MATCH THE ORIGINAL CONDITION AS APPROVED BY THE ARCHITECT.
11. UNLESS REFERRED TO, OR INDICATED AS "EXISTING", ALL WORK SHOWN ON THESE DRAWINGS SHALL BE CONSIDERED AS NEW AND PROVIDED UNDER THIS CONTRACT.
12. FINISHED GRADE OF TOPSOIL (AFTER COMPACTION) SHALL BE 1/2" TO 1" BELOW TOP OF ABUTTING PAVEMENTS, SIDEWALKS, AND CURBING.
13. NO DISTURBANCE SHALL OCCUR OUTSIDE OF SITE LIMITS.
14. GENERAL CONTRACTOR SHALL OBTAIN APPROVAL FROM OWNER AND MUNICIPALITY PRIOR TO ANY LAND DISTURBANCE OUTSIDE THE CONSTRUCTION LIMITS.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WORK IN RIGHT OF WAY PERMITS.
16. NO HAZARDOUS MATERIALS WILL BE STORED ONSITE.
17. FOR LEGEND AND ABBREVIATIONS SEE SHEET T100.
18. FOR EROSION CONTROL PLAN AND NOTES SEE SHEET C5.0 AND C5.1

SITE DESCRIPTION

NW-NE, Sect. 16, T21N, R18E
VILLAGE OF LITTLE CHUTE, OUTAGAMIE COUNTY, WISCONSIN
TAX PARCEL ID NUMBER: 260442800
ZONING: COMMERCIAL HIGHWAY BUSINESS
LOT DESCRIPTION: HJT BUSINESS PARK - NORTH LOT 9

LEGEND

DESCRIPTION	EXISTING	PROPOSED
CONTOUR MAJOR	500	500
CONTOUR MINOR	499	499
SANITARY SEWER	San	San
STORM SEWER	STH	STH
WATER MAIN	WAT	WAT
PROPERTY LINE		
SILT FENCE	S	S
GRADING LIMIT		
SPOT ELEVATION		EL: 100.00

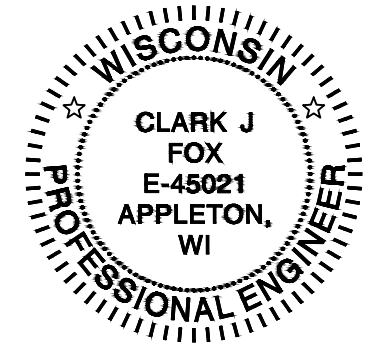


PROPOSED NEW BUILDING FOR:

GRIT 365
LITTLE CHUTE, WISCONSIN
EXISTING CONDITIONS

No.	Date	Description

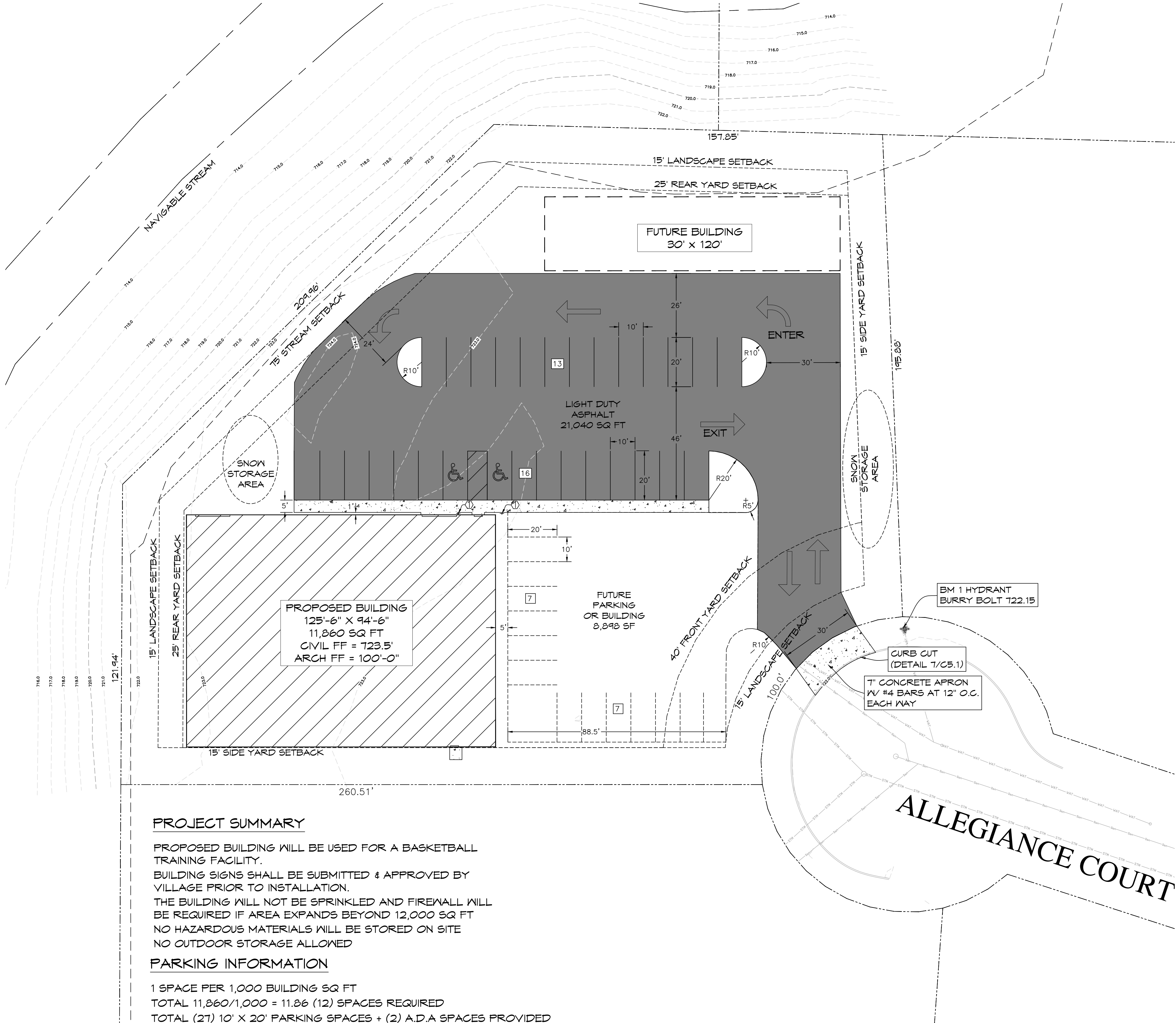
Page Information



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Sheet No.

C1.0

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FAX: 920.151.0115
N1040 CRAFTSMEN DRIVE
GREENVILLE, WI 54942



PROJECT SUMMARY

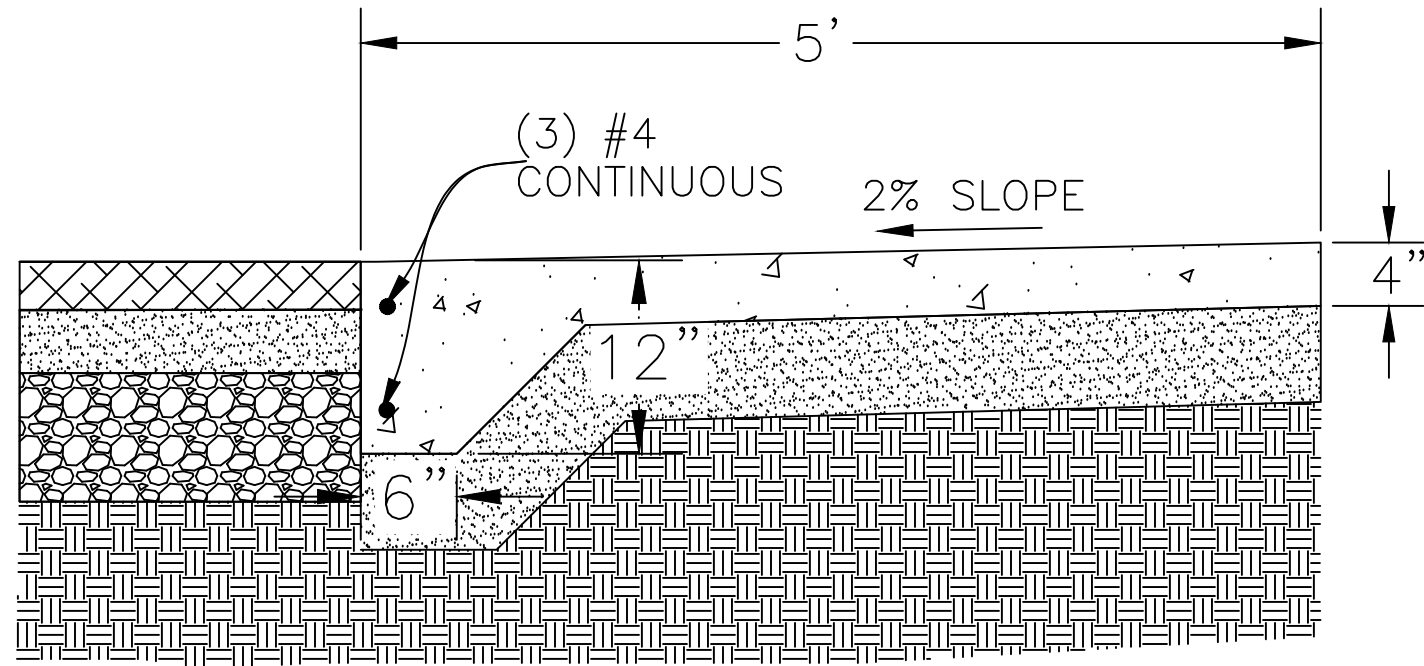
PROPOSED BUILDING WILL BE USED FOR A BASKETBALL TRAINING FACILITY.
BUILDING SIGNS SHALL BE SUBMITTED & APPROVED BY VILLAGE PRIOR TO INSTALLATION.
THE BUILDING WILL NOT BE SPRINKLED AND FIREWALL WILL BE REQUIRED IF AREA EXPANDS BEYOND 12,000 SQ FT
NO HAZARDOUS MATERIALS WILL BE STORED ON SITE
NO OUTDOOR STORAGE ALLOWED

PARKING INFORMATION

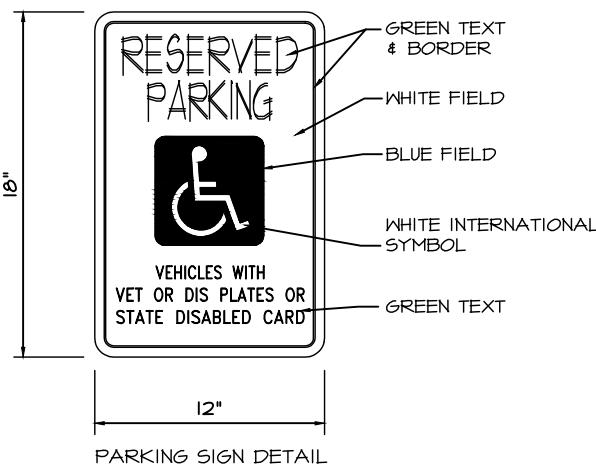
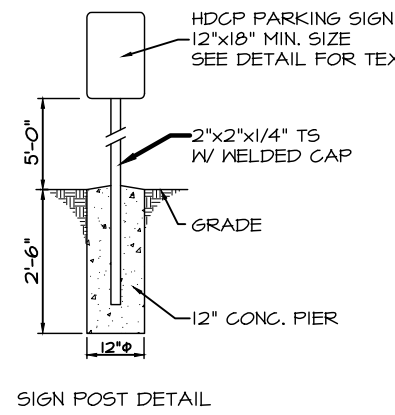
1 SPACE PER 1,000 BUILDING SQ FT
TOTAL 11,860/1,000 = 11.86 (12) SPACES REQUIRED
TOTAL (27) 10' X 20' PARKING SPACES + (2) A.D.A SPACES PROVIDED
(2) A.D.A. SPACES REQUIRED FOR 26-50 PARKING SPACES

1 SITE PLAN
C2.0 1" = 20'-0"

SITE DATA	
TOTAL AREA =	69,629 SQ FT
BUILDING AREA =	11,860 SQ FT (17.03%)
PAVED AREAS =	21,901 SQ FT (31.46%)
TOTAL BUILDING & PAVED =	33,761 SQ FT (48.49%)
GREEN SPACE =	35,868 SQ FT (51.51%)
FUTURE AREAS	
BUILDING AREA =	15,460 SQ FT (22.20%)
PAVED AREAS =	30,800 SQ FT (44.24%)
TOTAL BUILDING & PAVED =	46,260 SQ FT (66.44%)
GREEN SPACE =	23,369 SQ FT (33.56%)
DISTURBED AREA	
69,629 SQ FT OR 1.6 ACRES	
NOTE:	
ALL AREAS DESIGNATED AS "GREEN SPACE" SHALL BE TOPSOILED TO A DEPTH OF 6 INCHES, SEEDED AND MULCHED. AREA TO BE RAKED FREE OF STONES AND CLUMPS	



2 TYP. THICKENED EDGE SIDEWALK
C2.0 NTS



IT SHALL BE THE RESPONSIBILITY OF THE OWNER TO INSTALL (WHERE SHOWN HEREON), BARRIER FREE PARKING SIGNS IN CONFORMITY TO WISCONSIN ADMINISTRATIVE CODE - TRANS 9200.01

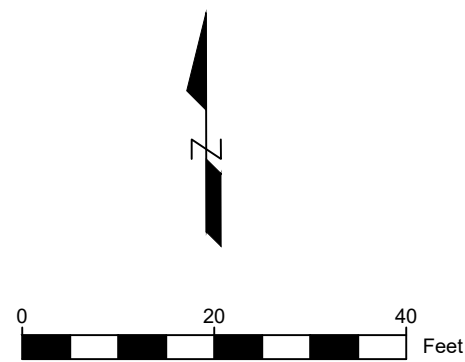
NOTE 1: HANDICAP SIGN LOCATION

3 HANDICAP SIGN
C2.0 NTS

LEGEND

DESCRIPTION	EXISTING	PROPOSED
CONTOUR MAJOR	500	500
CONTOUR MINOR	499	499
SANITARY SEWER	San	San
STORM SEWER	STH	STH
WATER MAIN	WAT	WAT
PROPERTY LINE	S	S
SILT FENCE		
GRADING LIMIT		
SPOT ELEVATION		EL: 100.00

BENCHMARKS		
LABEL	ELEVATION	DESCRIPTION
BM 1	722.15	HYDRANT TAG BOLT



PROPOSED NEW BUILDING FOR:

GRIT 365

LITTLE CHUTE, WISCONSIN

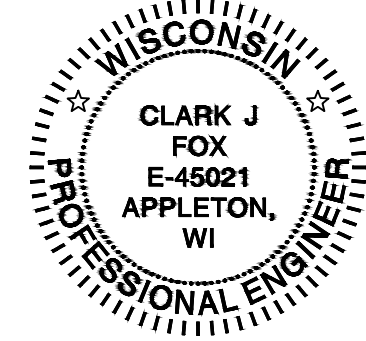
SITE PLAN

Description

Date

No.

Page Information



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Project No. 22-2456 Date 03/28/2023
Sheet No.

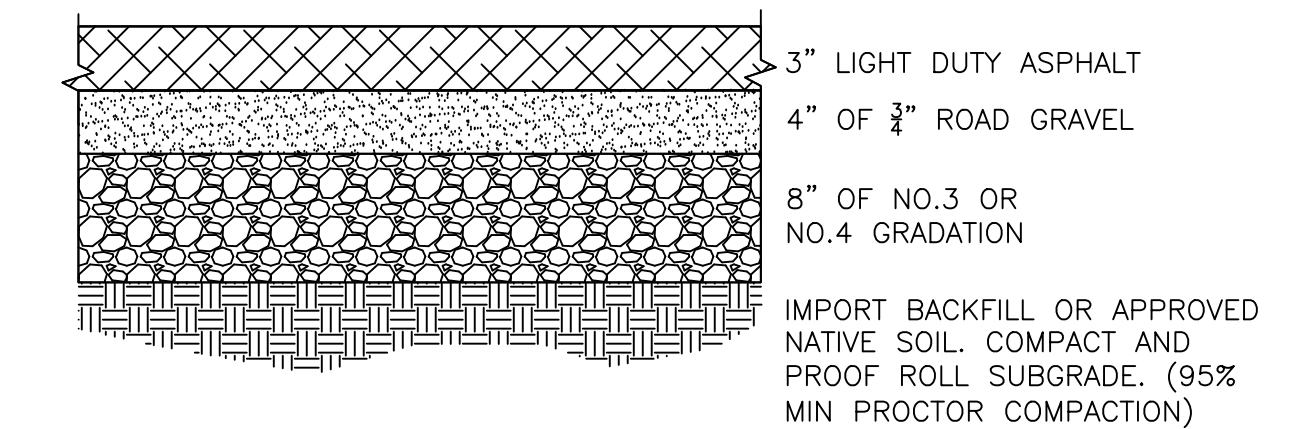
C2.0



1040 CRAFTSMEN DRIVE
GREENVILLE, WI 54942
PHONE: 920.151.0999
FAX: 920.151.1015



C3.0



2 LIGHT DUTY ASPHALT
C4.0 NTS

500 ————— 500

499 ————— 499

Sun ——— Sun

STM ——— STM

VAT ——— VAT

— S — S

— — — — —

⚡ [E: 1000]

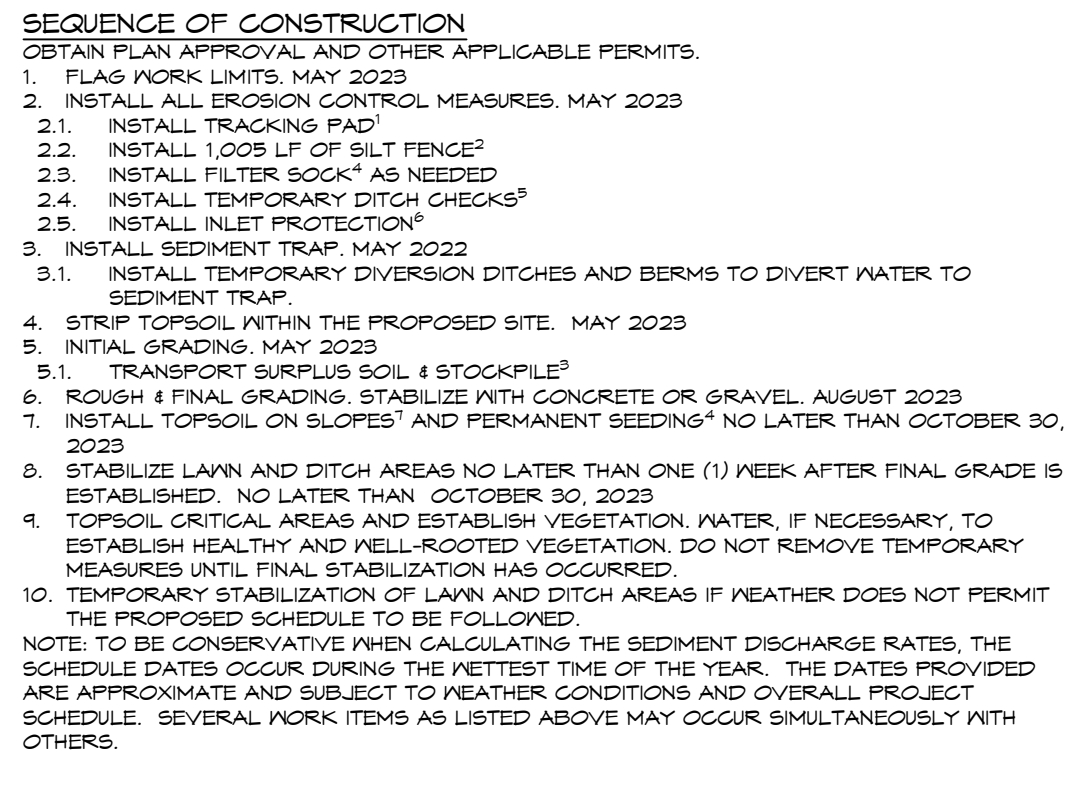
GRADING PLAN

[illegible]

WISCONSIN
CLARK J
FOX
E-45021
APPLETON,
WI
PROFESSIONAL ENGINEER

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Project No. 2-2456	Date 03/28/2023
Sheet No.	

C4.0



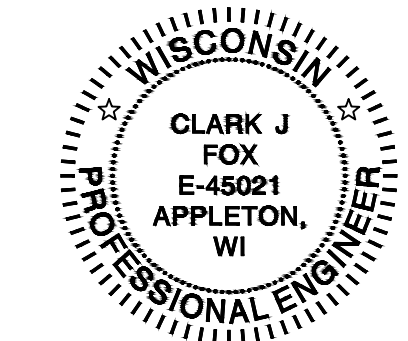
5. SILT FENCE DETAIL 1/C/5.
6. IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER, STABILIZE
7. STOCKPILES WITH TEMPORARY SEEDING OF GRASS AT A RATE OF 1 BUSHEL PER
8. ACRE AROUND AND WITHIN THE SLOPE OF THE SILT FENCE DETAIL 1/C/5.1
9. PERMANENT SEED ACCORDING TO DETAIL 3/C/5.1. INSTALL FILTER CATCH AT TOE
10. OF SLOPE AT LOCATIONS SHOWN IN THE EROSION CONTROL PLAN, ACCORDING
11. TO DETAIL 1/C/5.1
12. FILTER CATCH AS DITCH CATCH ACCORDING TO DETAIL 4/C/5.1
13. INLET PROTECTION DETAIL 5/C/5.1
14. ARE MORE STEEPER THAN 2:1, MULCH TENDING DETAIL 6/C/5.1
15. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
16. MAKE PROVISIONS FOR WATERING WITHIN THE FIRST 8 WEEKS FOLLOWING SEEDING
17. OR OF DISPERSED AREAS WHEREVER MORE THAN 3 CONSECUTIVE DAYS
18. OF DRY WEATHER OCCUR.
19. PROVIDE ANTI-SLOPE PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING
20. DEWATERING. PERFORM PROTECTIONS OF ACCUMULATED SURFACE RUNOFF IN
21. ACCORDANCE WITH DNR'S ACCUMULATED SURFACE RUNOFF STORAGE
22. DEWATERING IS SUBJECT TO A WASTEWATER DISCHARGE PERMIT AND DNR HIGH
23. CAPACITY KILL APPROVAL. IF CUMULATIVE PUMP CAPACITY IS GREATER THAN 10
24. GPM.
25. INSPECTIONS SHALL BE MADE EVERY SEVEN (7) DAYS, OR WITHIN 24 HOURS OF A
26. RAINFALL EVENT OF 0.50 INCHES OR GREATER, ANY PRACTICES THAT ARE
27. IDENTIFIED AS NOT BEING IN ACCORDANCE WITH THE SPECIFICATIONS OF THE DAY
28. AND RECORDED IN THE RECORDS BINDER. ACCUMULATED SEDIMENT SHALL
29. BE REMOVED WHEN IT HAS REACHED A HEIGHT OF ONE-HALF THE HEIGHT OF THE
30. SEDIMENT. IN ADDITION, A NOTIFICATION SHALL BE PROVIDED TO THE OWNER.
31. ALL SEEDED AREAS WILL BE RE-SEEDING AND MULCHED AS NECESSARY
32. ACCORDING TO THE SPECIFICATIONS IN THE PLANNED PRACTICES TO MAINTAIN
33. EROSION, DISPERSED AND/OR
34. REMOVE SILT FENCE AND TEMPORARY STRUCTURES ONLY AFTER FINAL
35. STABILIZATION AND VEGETATIVE COVER IS ESTABLISHED.
36. AVOID THE USE OF FERTILIZERS AND PESTICIDES IN OR ADJACENT TO
37. CHANNELS OR DITCHES.
38. STRUCTURES AND WASTE MATERIALS SHALL BE PROPERLY DISPOSED

11. INSPECTIONS SHALL BE MADE EVERY SEVEN (7) DAYS, OR WITHIN 24 HOURS OF A RAINFALL EVENT OF 0.50 INCHES OR GREATER, ANY PRACTICES THAT ARE DETERMINED TO NOT BE NECESSARY TO BE MAINTAINED BY THE END OF THE DAY AND RECORDED IN THE RECORDS BINDER. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED A HEIGHT OF ONE-HALF THE HEIGHT OF THE DITCH OR TRENCH. IN ADDITION TO THE FOLLOWING, THE FOLLOWING SHALL BE MAINTAINED:
- 11.1. ALL CREEPED AREAS WILL BE RE-SEEDING AND MULCHED AS NECESSARY ACCORDING TO THE SPECIFICATIONS IN THE PLANNED PRACTICES TO MAINTAIN PERMANENT DENUDATION.
- 11.2. REMOVE SILT FENCE AND TEMPORARY STRUCTURES ONLY AFTER FINAL STABILIZATION AND VEGETATIVE COVER IS ESTABLISHED.
- 11.3. AVOID THE USE OF FERTILIZERS AND PESTICIDES IN OR ADJACENT TO CHANNELS OR DITCHES.
- 11.4. CONSTRUCTION AND WASTE MATERIALS SHALL BE PROPERLY DISPOSED

Legend for Figure 1:

- EXISTING CONTOURS: Solid line with elevation markers (e.g., 500, 499).
- PROPOSED CONTOURS: Dashed line with elevation markers (e.g., 500, 499).
- TRACKING PAD¹: Pattern of small black squares.
- MULCH NETTING¹: Pattern of small 'X' marks.
- DELINEATED WETLAND: Pattern of small circles.
- SILT FENCE²: Line with 'S' markers.
- BALE DIVERSION: Line with 'D' markers.
- FILTER SOCK⁴: Line with 'FS' markers.
- STORM LATERAL: Dashed line with 'STM' markers.
- PROPERTY LINE: Solid line.
- INLET PROTECTION⁶: Grid pattern.

Page Information



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Project No. 22-2456	Date 03/28/2023
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C5.0



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N1040 CRAFTSMEN DRIVE
GREENVILLE, WI 53442

PROPOSED NEW BUILDING FOR:

GRIT 365

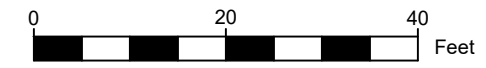
LITTLE CHUTE, WISCONSIN

EROSION CONTROL PLAN

1 EROSION CONTRL PLAN
C5.0 1" = 20'-0"

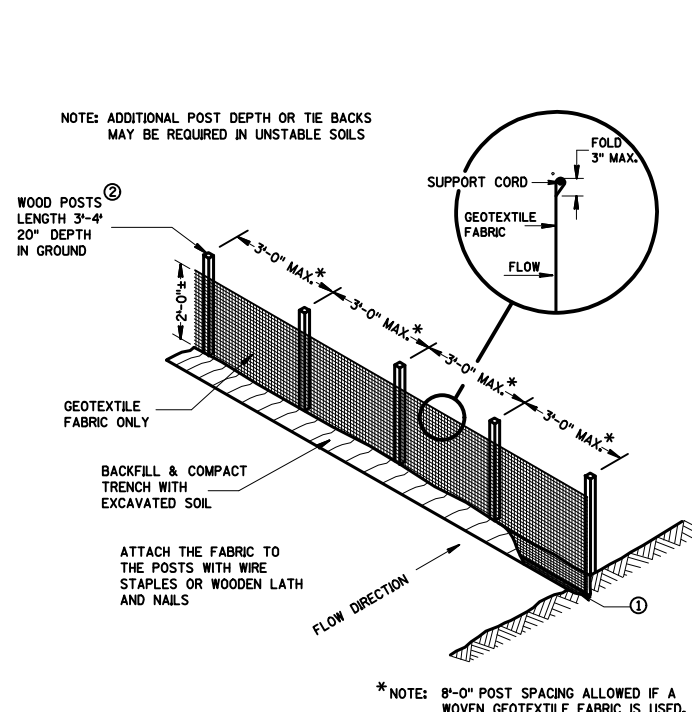


Know what's **below**.
Call before you dig.



GENERAL NOTES

- TRENCH SHALL BE A MINIMUM OF 6" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- WOOD POSTS SHALL BE A MINIMUM SIZE OF 5/4" x 5/4" OF OAK OR HICKORY.
- CONNECT SILT FENCE FROM A CONTIGUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS: TWIST METHOD -- OVERLAP THE END POSTS AND TWIST OR ROTATE, AT LEAST 90 DEGREES, TWIST METHOD -- HOOK THE END OF EACH SILT FENCE LENGTH.



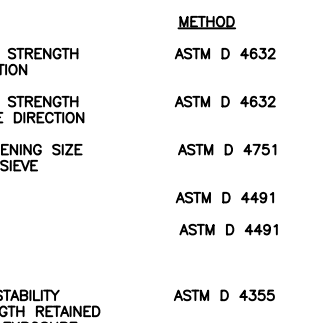
SILT FENCE

- NOTES:
- THE GEOTEXTILE FABRIC SHALL BE PLACED IN THE EXCAVATED TRENCH, BACKFILLED, AND COMPACTED TO THE EXISTING GROUND SURFACE.
 - WOODEN SUPPORT POSTS SHALL BE A MINIMUM DIMENSION OF 1-1/8" x 1-1/8" AIR OR KILN DRIED OF HICKORY OR OAK AND 4 FEET LONG. STEEL POSTS SHALL BE STUDDED "TEE" OR "U" TYPE WITH A MINIMUM WEIGHT OF 1.3 POUNDS PER LINEAL FOOT AND 5 FEET LONG. POST SPACING SHALL BE A MAXIMUM OF 8 FEET FOR WOVEN FABRIC AND 3 FEET FOR NON-WOVEN FABRIC.
 - THE GEOTEXTILE FABRIC SHALL BE ATTACHED DIRECTLY TO THE UPSLOPE SIDE OF WOODEN POSTS WITH 0.5 INCH STAPLES IN AT LEAST 3 PLACES, OR WITH WOODEN LATH AND NAILS. ATTACHMENT TO STEEL POSTS WILL BE BY WIRE FASTENERS OR 50 POUND PLASTIC TIE STRAPS ON THE UPSLOPE SIDE.
 - THE GEOTEXTILE FABRIC SHALL CONSIST OF EITHER WOVEN OR NON-WOVEN POLYESTER, POLYPROPYLENE, STABILIZED NYLON, POLYETHYLENE, OR POLYVINYLENE CHLORIDE. NON-WOVEN FABRIC MAY BE NEEDLE PUNCHED, HEAT BONDED, RESIN BONDED, OR COMBINATIONS THEREOF. ALL FABRIC SHALL MEET THE FOLLOWING REQUIREMENTS:

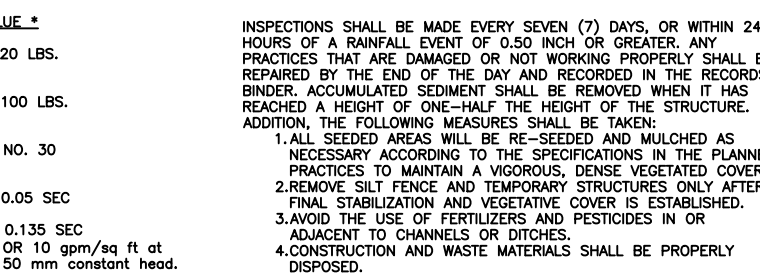
TEST REQUIREMENT	METHOD	VALUE -
MINIMUM GRAB TENSILE STRENGTH IN THE MACHINE DIRECTION	ASTM D 4632	120 LBS.
MINIMUM GRAB TENSILE STRENGTH IN THE CROSS MACHINE DIRECTION	ASTM D 4632	100 LBS.
MINIMUM APPARENT OPENING SIZE	ASTM D 4751	NO. 30
MINIMUM PERMITTIVITY	ASTM D 4491	0.05 SEC
MINIMUM PERMITTIVITY	ASTM D 4491	0.135 SEC OR 10 gpm/sq. ft. at 50 mm constant head.
MINIMUM ULTRAVIOLET STABILITY PERCENTAGE OF STRENGTH RETAINED AFTER 500 HOURS OF EXPOSURE	ASTM D 4355	70%

* ALL NUMERICAL VALUES REPRESENT MINIMUM/MAXIMUM AVERAGE ROLL VALUES. (FOR EXAMPLE, THE AVERAGE OF MINIMUM TEST RESULTS ON ANY ROLL IN A LOT SHOULD MEET OR EXCEED THE MINIMUM SPECIFIED VALUES.)

TRENCH DETAIL



JOINING TWO LENGTHS OF SILT FENCE



This drawing based on Wisconsin Department of Transportation Standard Detail Drawing 8 E 3-4.

SEEDING DATES: CENTRAL PLANTING ZONE

TIME PERIOD	DATES	TYPE OF SEEDING
SPRING	5/1 THROUGH 6/15	PERMANENT
SUMMER	6/16 THROUGH 7/15	TEMPORARY*
LATE SUMMER	7/16 THROUGH 8/10	PERMANENT
FALL	8/11 THROUGH 10/31	TEMPORARY*
LATE FALL	11/1 THROUGH SNOW COVER	DORMANT
WINTER	SNOW COVER THROUGH SPRING SEEDING	FROST SEED NOT ALLOWED

MATERIALS

IF NO SOIL TEST IS AVAILABLE, APPLY A MINIMUM OF 150 POUNDS OF 20-10-10 FERTILIZER PER ACRE. THIS IS EQUIVALENT TO 30 POUNDS NITROGEN (N), 15 POUNDS PHOSPHORUS (P2O5), AND 15 POUNDS POTASH (K2O) PER ACRE. APPLY TWO TONS/AC OF 80-89 LIME OR EQUIVALENT.

TWO (2) TONS/AC OF 80-89 LIME OR EQUIVALENT FROM UW-EXT A3671

LIME QUALITY	TONS/AC
40-49	3.9
50-59	3.2
60-69	2.7
70-79	2.3
90-99	1.9
100+	1.6

PERMANENT AND DORMANT SEEDING MIX

SEEDING MIX	342-2	LOCATION ACRES	DISTURBED	SEEDING MIX	LOCATION ACRES
SPECIES					
SMOOTH BROMEGRASS	15.0	11			
ALFALFA	7	5			
TIMOTHY	3	2			
DATES	65.5	46.5			

1. PLS = (% GERMINATION X % PURITY)
** COMPARISON CROP
ADDITIONAL NATIVE SEEDS MAY BE REQUIRED BY PERMITTING AGENCIES. THESE ADDITIONS ARE ALLOWED. SEED MIXTURE SHALL MEET ALL REQUIREMENTS OF THE WI WEED LAWS. SPECIES IDENTIFIED AS RESTRICTED OR PROHIBITED BY LAW SHALL NOT BE PLANTED. CERTIFIED SEED SHALL BE USED, AND THE SEEDING RATES WILL BE BASED ON PURE LIVE SEED. FOR DORMANT SEEDINGS, INCREASE THE SEEDS PER SQUARE FOOT BY 15%.

SEEDING PREPARATION

SEEDING PREPARATION SHALL IMMEDIATELY FOLLOW CONSTRUCTION ACTIVITIES. PREPARE A FINE, FIRM SEEDBED TO A MINIMUM DEPTH OF THREE INCHES. A SEEDBED IS CONSIDERED FIRM WHEN A FOOTPRINT PENETRATES 1/4 TO 1/2 INCH DEEP.

SEEDING

INOCULATE LEGUMES WITH THE SPECIFIC INOCULUM FOR THE SPECIES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHEN USING A HYDROSEEDER, FIVE TIMES THE RECOMMENDED RATE OF INOCULANT SHALL BE ADDED TO THE HYDROSEEDER. INOCULANT SHALL NOT BE MIXED WITH LIQUID FERTILIZER.

SEED MAY BE BROADCAST OR DRILLED AS APPROPRIATE TO THE SITE. SEED, FERTILIZER, AND LIME AS SOON AS POSSIBLE AFTER CONSTRUCTION. SEEDING PERPENDICULAR TO DIRECTION OF FLOW IS REQUIRED TO LIMIT EROSION. SEED GRASSES AND LEGUMES NO MORE THAN 1/4 INCH DEEP. CONSIDER SEEDING AT A LOWER RATE AND MAKING 2 PASSES TO ENSURE MORE UNIFORM DISTRIBUTION.

TEMPORARY SEEDING OPTIONS

- SELECT ONE OF THE FOLLOWING SPECIES FOR TEMPORARY COVER IF:
1) THE REQUIRED SEEDS OR PLANT STOCK ARE NOT AVAILABLE OR
THE NORMAL PERMANENT SEEDING PERIOD FOR THE SPECIES HAS PASSED
FORAGE SORGHUM -- 1/2 BUSHEL PER ACRE (MAY 15-JULY 15)
SORGHUM -- 2 BUSHEL PER ACRE (AUG 1-OCT 1)
SUDANGRASS -- 1 BUSHEL PER ACRE (MAY 15-JULY 15)
WINTER WHEAT -- 2 BUSHEL PER ACRE (AUG 1-OCT 1)
WINTER CEREAL RYE -- 2 BUSHEL PER ACRE (AUG 1-OCT 15)
OATS -- 2 BUSHEL PER ACRE (APR 1-SEPT 1)
ANNUAL RYEGRASS -- 20 POUNDS PER ACRE (APR 1-SEPT 1)

- 2) TRAZINE HERBICIDE CARRYOVER WILL NOT ALLOW ESTABLISHMENT OF PERMANENT COVER IMMEDIATELY.
FORAGE SORGHUM -- 1/2 BUSHEL PER ACRE (MAY 15-JULY 15)
SORGHUM -- 2 BUSHEL PER ACRE (AUG 1-OCT 1)
SUDANGRASS -- 1 BUSHEL PER ACRE (MAY 15-JULY 15)
SUDANGRASS -- 1 BUSHEL PER ACRE (MAY 15-JULY 15)

DORMANT SEEDING

SEED IS BROADCAST AND INCORPORATED, NO-TILLED, OR DRILLED INTO THE SEEDBED. SEEDBED PREPARATIONS AND CONDITIONS ARE SIMILAR TO CONVENTIONAL SEEDING.

MULCHING

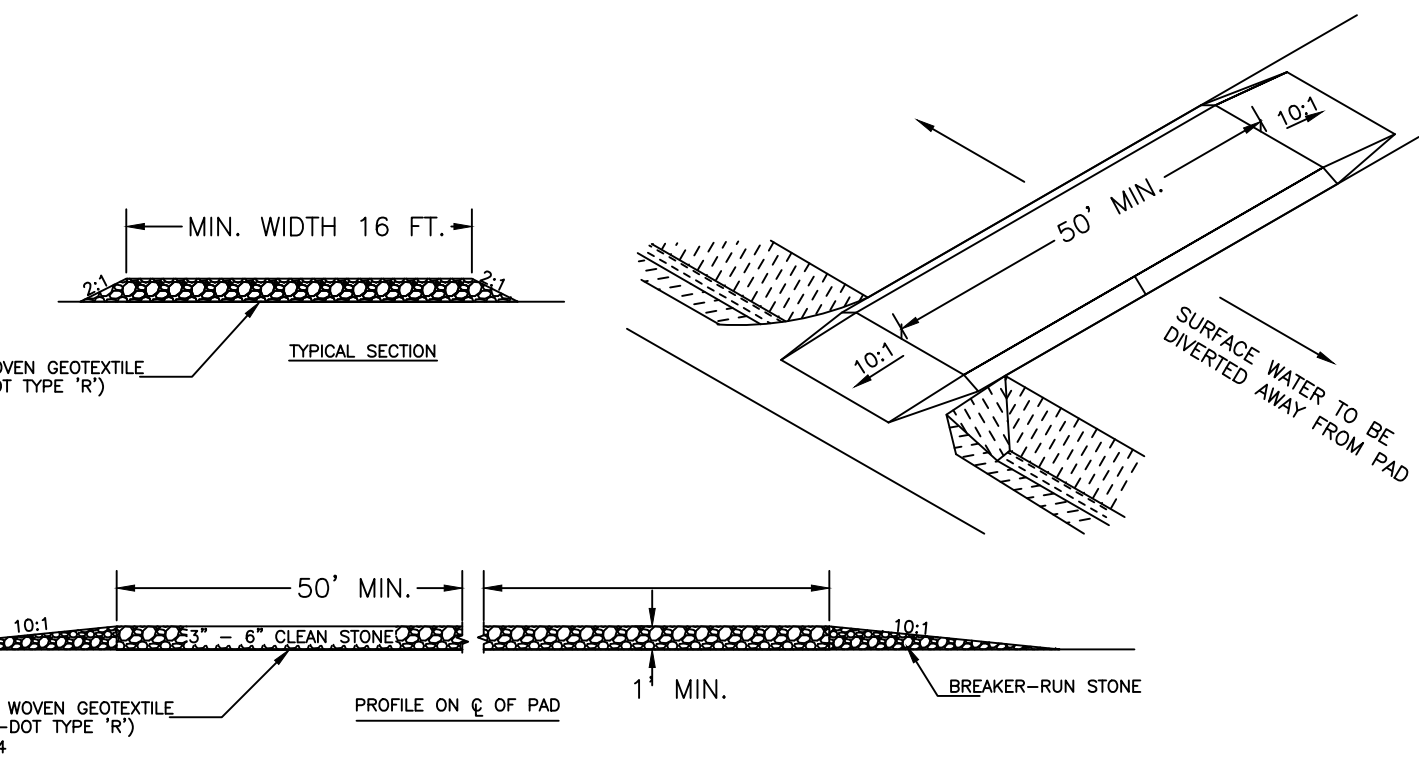
BELOW IS A SUMMARY OF WDNR CONSERVATION PRACTICE STANDARD 1056 -- MULCHING FOR CONSTRUCTION SITES. PLEASE SEE CPS 1056 FOR COMPLETE DETAILS.

- SOIL SURFACE SHALL BE PREPARED PRIOR TO THE APPLICATION OF MULCH IN ORDER TO ACHIEVE THE DESIRED PURPOSE AND TO ENSURE OPTIMUM CONTACT BETWEEN SOIL AND MULCH. ALL AREAS TO BE MULCHED SHALL BE REASONABLY FREE OF HILLS AND GULLIES.
- MATERIALS
 - MULCH SHALL CONSIST OF NATURAL BIODEGRADABLE MATERIAL SUCH AS PLANT RESIDUE (INCLUDING BUT NOT LIMITED TO STRAW AND HAY), OR OTHER EQUIVALENT MATERIALS OF SUFFICIENT DIMENSION (DEPTH OR THICKNESS) AND DURABILITY TO ACHIEVE THE INTENDED EFFECT FOR THE REQUIRED TIME PERIOD.
 - STRAW AND HAY MULCH THAT WILL BE CRIMPED SHALL HAVE A MINIMUM FIBER LENGTH OF 6 INCHES.
 - WOOD CHIPS OR WOOD BARK SHALL ONLY BE USED FOR SITES THAT ARE NOT SEEDED.

APPLICATION RATE (FOR SEEDED AREAS)
MULCH SHALL BE PLACED LOOSE AND OPEN ENOUGH TO ALLOW SOME SUNLIGHT TO PENETRATE AND AIR TO CIRCULATE BUT STILL COVER A MINIMUM OF 70% OF THE SOIL SURFACE. MULCH SHALL BE APPLIED AT A UNIFORM RATE OF 1.5 TO 2 TONS PER ACRE. THIS APPLICATION RESULTS IN A LAYER OF 0.5 TO 1.5 INCHES THICK.

MULCH ANCHORING METHODS

- CRIMPING -- IMMEDIATELY AFTER SPREADING, THE MULCH SHALL BE ANCHORED BY A MULCH CRIMPER OR EQUIVALENT DEVICE CONSISTING OF A SERIES OF GULL FLAT DISCS WITH NOTCHED EDGES SPACED APPROXIMATELY 8-INCHES APART. THE MULCH SHALL BE IMPRESSED IN THE SOIL TO A DEPTH OF 1 TO 3 INCHES.
- POLYPROPYLENE PLASTIC, OR BIODEGRADABLE NETTING -- APPLY PLASTIC NETTING OVER MULCH APPLICATION AND STAPLE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- TACKIFIER -- TACKIFIER SHALL BE SPRAYED IN CONJUNCTION WITH MULCH OR IMMEDIATELY AFTER THE MULCH HAS BEEN PLACED. TACKIFIERS MUST BE SELECTED FROM THOSE THAT MEET THE WISDOT EROSION CONTROL PRODUCT ACCEPTABILITY LIST (PUL). ASPHALT BASED PRODUCTS SHALL NOT BE APPLIED. TACKIFIERS SHALL BE APPLIED AT THE FOLLOWING MINIMUM APPLICATION RATES PER ACRE:
 - LATEX-BASE MIX 15 GALLONS OF ADHESIVE (OR THE MANUFACTURER'S RECOMMENDED RATE WHICH EVER IS GREATER) AND A MINIMUM OF 250 POUNDS OF RECYCLED NEWSPRINT (PULP) AS A TRACER WITH 275 GALLONS OF WATER.
 - GLUE GUM MIX 50 POUNDS OF DRY ADHESIVE (OR THE MANUFACTURER'S RECOMMENDED RATE WHICH EVER IS GREATER) AND A MINIMUM OF 250 POUNDS OF RECYCLED NEWSPRINT (PULP) AS A TRACER WITH 1,300 GALLONS OF WATER.
 - OTHER TACKIFIERS (HYDROPHILIC POLYMERS) MIX 100 POUNDS OF DRY ADHESIVE (OR THE MANUFACTURER'S RECOMMENDED RATE WHICH EVER IS GREATER) AND A MINIMUM OF 250 POUNDS OF RECYCLED NEWSPRINT (PULP) AS A TRACER WITH 1,300 GALLONS OF WATER.



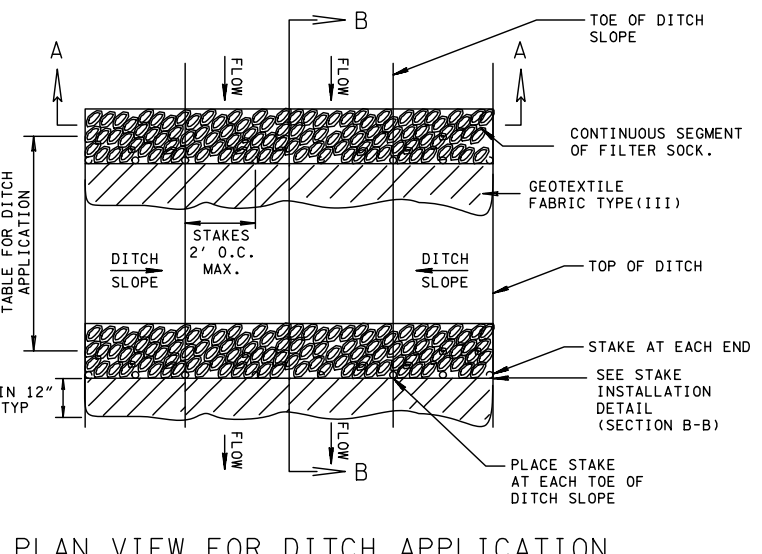
VOLUME OF STONE ---- 45.5 TONS.

35 CU.YD.

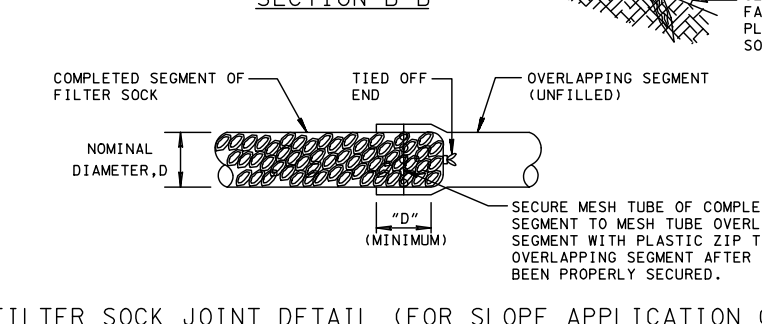
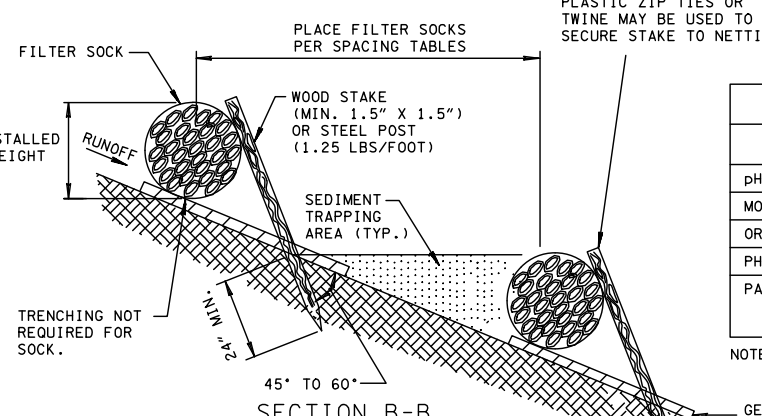
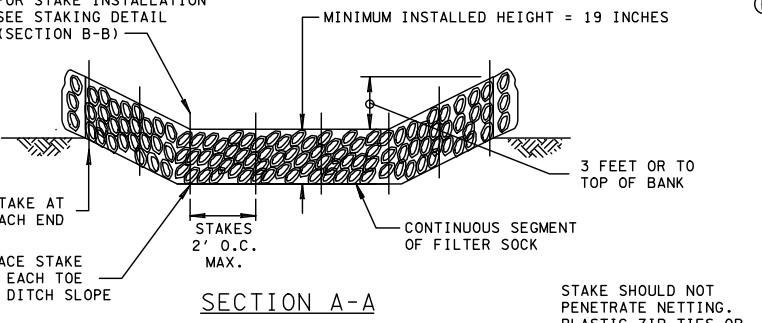
- TRACKING PAD SHALL BE INSTALLED PRIOR TO CONSTRUCTION TRAFFIC.
- TRACKING PAD SHALL BE INSTALLED TO THE FULL WIDTH OF THE EGRESS POINT.
- TRACKING PAD SHALL BE 3" - 6" OF STONE WITH LESS THAN 10% FINES.
- APPROACHES TO PADS MAY BE BREAKER-RUN STONE.
- WHERE SATURATED CONDITIONS ARE EXPECTED, PAD SHALL BE UNDERLAIN BY TYPE I, WOVEN GEOTEXTILE (W-DOT TYPE 'R').
- SURFACE CHASTER SHALL BE DIVERTED AWAY FROM TRACKING PAD OR CONVEYED THROUGH WITH A CULVERT.
- ALL OUTGOING CONSTRUCTION TRAFFIC MUST USE TRACKING PAD. IF ANOTHER EXIST IS USED INSTALLED A TRACKING PAD AT THAT LOCATION.

1 TRACKING PAD

NTS



PLAN VIEW FOR DITCH APPLICATION



FILTER SOCK JOINT DETAIL (FOR SLOPE APPLICATION ONLY)

4 FILTER SOCK

NTS

FILTER SOCK CHECK DAM ESTIMATED QUANTITIES						
V-DITCH¹			TRAPEZOIDAL DITCH²			
24" FILTER SOCK (INSTALLED HEIGHT 19")	12" FILTER SOCK STACKED (INSTALLED HEIGHT 19")	18" FILTER SOCK STACKED (INSTALLED HEIGHT 29")	24" FILTER SOCK (INSTALLED HEIGHT 19")	12" FILTER SOCK STACKED (INSTALLED HEIGHT 19")	18" FILTER SOCK STACKED (INSTALLED HEIGHT 29")	

- ESTIMATED QUANTITIES BASED ON 4:1 SIDE SLOPES. QUANTITIES WILL VARY BASED ON ACTUAL DITCH CONFIGURATION.
- ESTIMATED QUANTITIES BASED ON 4:1 BOTTOM WIDTH, 4 FT DEPTH, AND 4:1 SIDE SLOPES. QUANTITIES WILL VARY BASED ON ACTUAL DITCH CONFIGURATION.

FILTER SOCK SPACING FOR SLOPE APPLICATION				
SLOPE	8"	12"	18"	24"
2%	70'	80'	N/A	N/A
5%	30'	60'	80'	N/A
10%	20'	50'	70'	80'
6:1	N/A	20'	40'	50'
4:1	N/A	20'	30'	50'
3:1	N/A	N/A	20'	25'
2:1	N/A	N/A	20'	20'

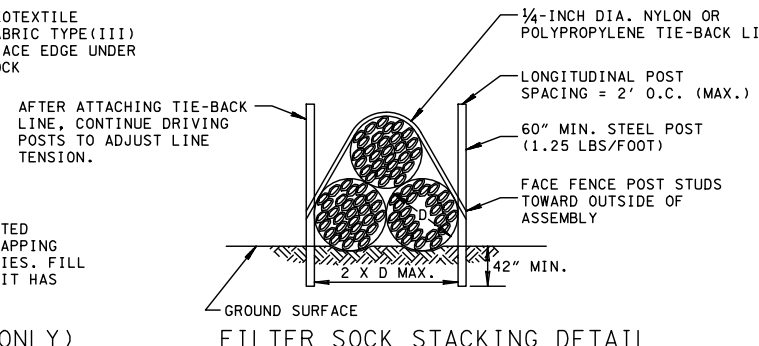
FILTER SOCK SPACING FOR DITCH APPLICATION	
DITCH SLOPE	MAXIMUM FILTER SOCK SPACING
LESS THAN 2%	80'
2%	80'
3%	50'
4%	40'
5%	30'
6%	20'
GREATER THAN 6%	20'

N/A * NOT RECOMMENDED SPACING NOT TO EXCEED 40'

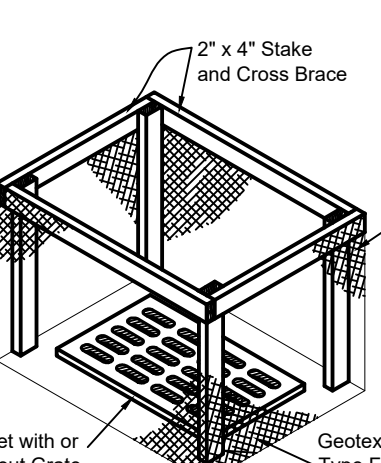
SOCK HEIGHTS INSTALLED			
NOMINAL DIAMETER, D	INSTALLED HEIGHT OF SINGLE SOCK	INSTALLED HEIGHT OF STACKED SOCKS	
8"	6.5"	N/A	
12"	9.5"	19"	
18"	14.5"	29"	
24"	19"	38"	

MINIMUM SPECIFICATION FOR FILTER MEDIA			
PROPERTY	UNITS	RANGE	
pH	pH	5.0 - 8.5	
MOISTURE CONTENT	% NET WEIGHT BASIS	< 60	
ORGANIC MATTER CONTENT	% DRY WEIGHT BASIS	25 - 100	
PHYSICAL CONTAMINANTS	% DRY WEIGHT BASIS	< 1	
PARTICLE SIZE	% PASSING SELECTED MESH SIZE, DRY WEIGHT BASIS	2 INCH - 99% 20/40 - 100 - 300 MAX. PARTICLE SIZE 2 INCHES	

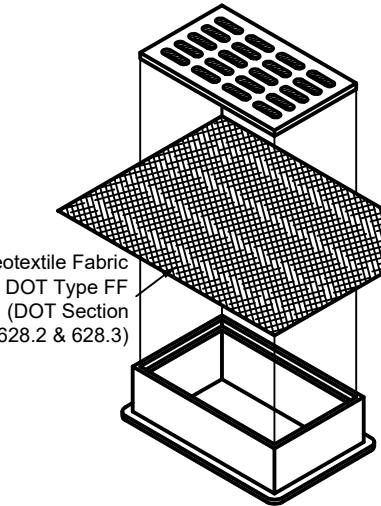
NOTE: MANUFACTURER SPECIFICATION MAY BE SUBSTITUTED WITH THE APPROVAL OF ENGINEER.



FILTER SOCK STACKING DETAIL



INLET PROTECTION, TYPE A



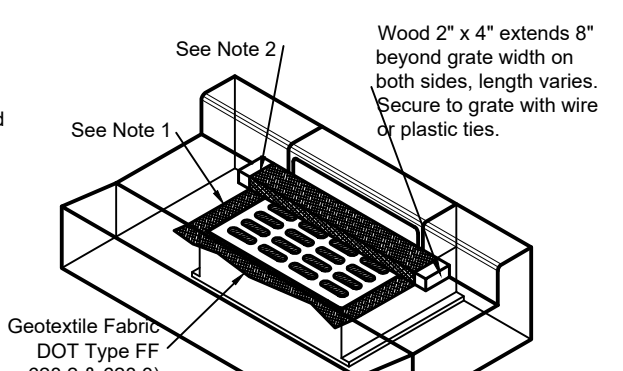
INLET PROTECTION, TYPE B

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)

GENERAL NOTES:

Inlet protection devices shall be maintained or replaced at the direction of the engineer.
Manufactured alternatives approved and listed on the DOT Erosion Control Product Acceptability list may be substituted.
When removing or maintaining inlet protection, care shall be taken so that the sediment trapped on the geotextile fabric does not fall into the inlet. Any material falling into the inlet shall be removed immediately.

- Finished size, including flap pockets where required, shall extend a minimum of 10" around the perimeter to facilitate maintenance or removal.
- For inlet protection, Type C (with curb box), an additional 10" of fabric is wrapped around the wood and secured with staples. The wood shall not block the entire height of the curb box opening.
- Flap pockets shall be large enough to accept wood 2x4.



INLET PROTECTION, TYPE C

INSTALLATION NOTES:

- Inlet protection Type A shall be utilized around field inlets until permanent stabilization methods have been established. Inlet protection Type A shall be utilized on pavement inlets prior to installation of curb and gutter or pavement.
- Inlet protection Type B shall be utilized on street inlets without curb heads.
- Inlet protection Type C shall be utilized on street inlets with curb heads.

TYPE B & C

Trim excess fabric in the flow line to within 3" of the gate.

The contractor shall demonstrate a method of maintenance, using a sawn flap, hand holds, or other method to prevent accumulated sediment from entering the inlet.

5 INLET PROTECTION

NTS

ROLLED MULCH AND MULCH NETTING

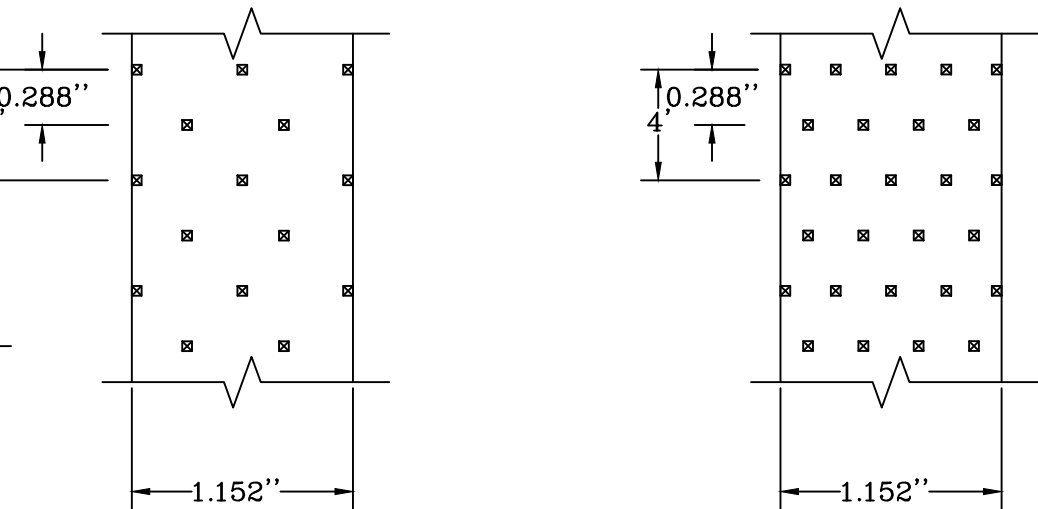
INSTALLATION INSTRUCTIONS

- USE ROLLS, LONG STRAW, OR HAY FOR THE MULCH. CHOPPED STRAW NOT ACCEPTABLE.
- PLACE STAPLES AS SHOWN ON DRAWINGS OR AS RECOMMENDED BY MANUFACTURER. ADD EXTRA STAPLES ON BENDS.
- WHERE THE MULCH NETTED AREA WILL BE MOWED FOR HAY, THE USE OF PLASTIC OR WOODEN STAPLES IS RECOMMENDED.

USE:
1. USED ROLLED MULCH FOR LARGE DRAINAGE AREAS (>50AC) AND/OR HIGHER VELOCITIES (>3.5 FPS).

STAPLE LOCATION	(Use 6" Staples in till soils; 8" in lighter soils.)
CONDITIONS OF USE	
FOR ROLLED MULCH WITH LOWER VELOCITIES (<3.5 FPS) AND SMALLER DRAINAGE AREAS (< 50 AC) 1.25 STAPLES PER LIN. FT.	
FOR ROLLED MULCH WITH HIGHER VELOCITIES (>3.5 FPS OR MORE) AND LARGER DRAINAGE AREAS (> 50 AC OR MORE) AND - FOR ALL APPLICATIONS OF MULCH NETTING OVER STRAW. 2.25 STAPLES PER LIN. FT.	

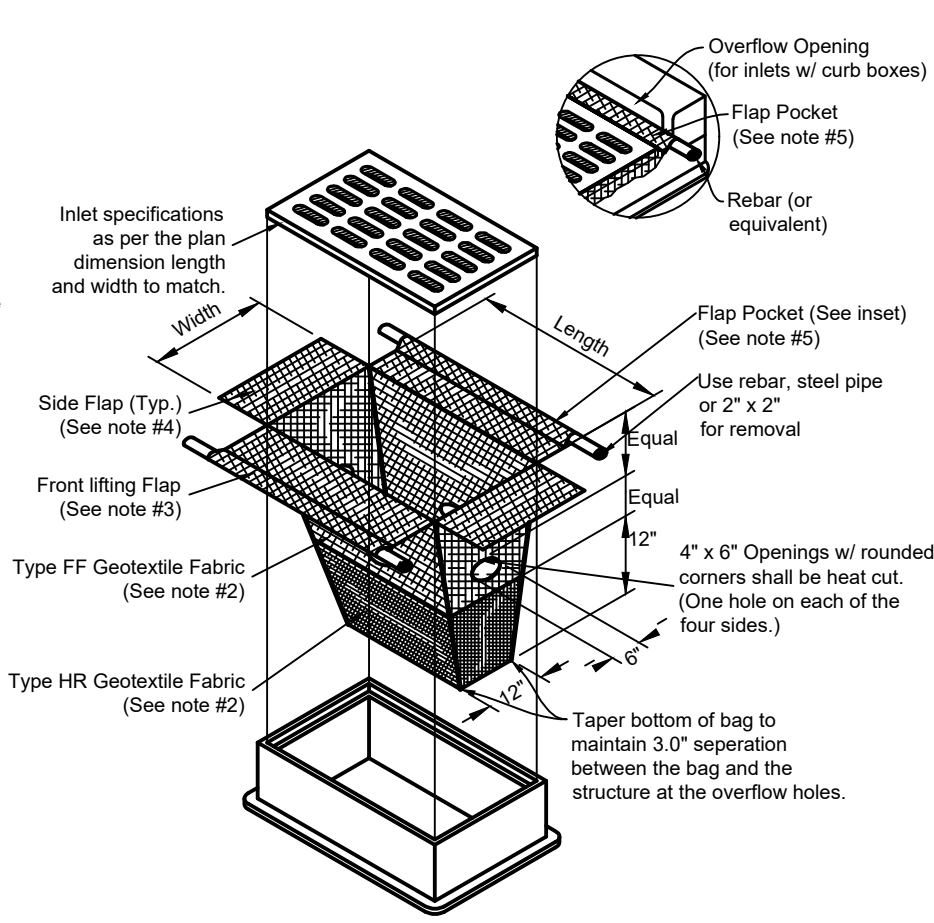
STAPLE PLACEMENT



STAPLE PLACEMENT

3 SEEDING PLAN

NTS



INLET PROTECTION, TYPE D-HR

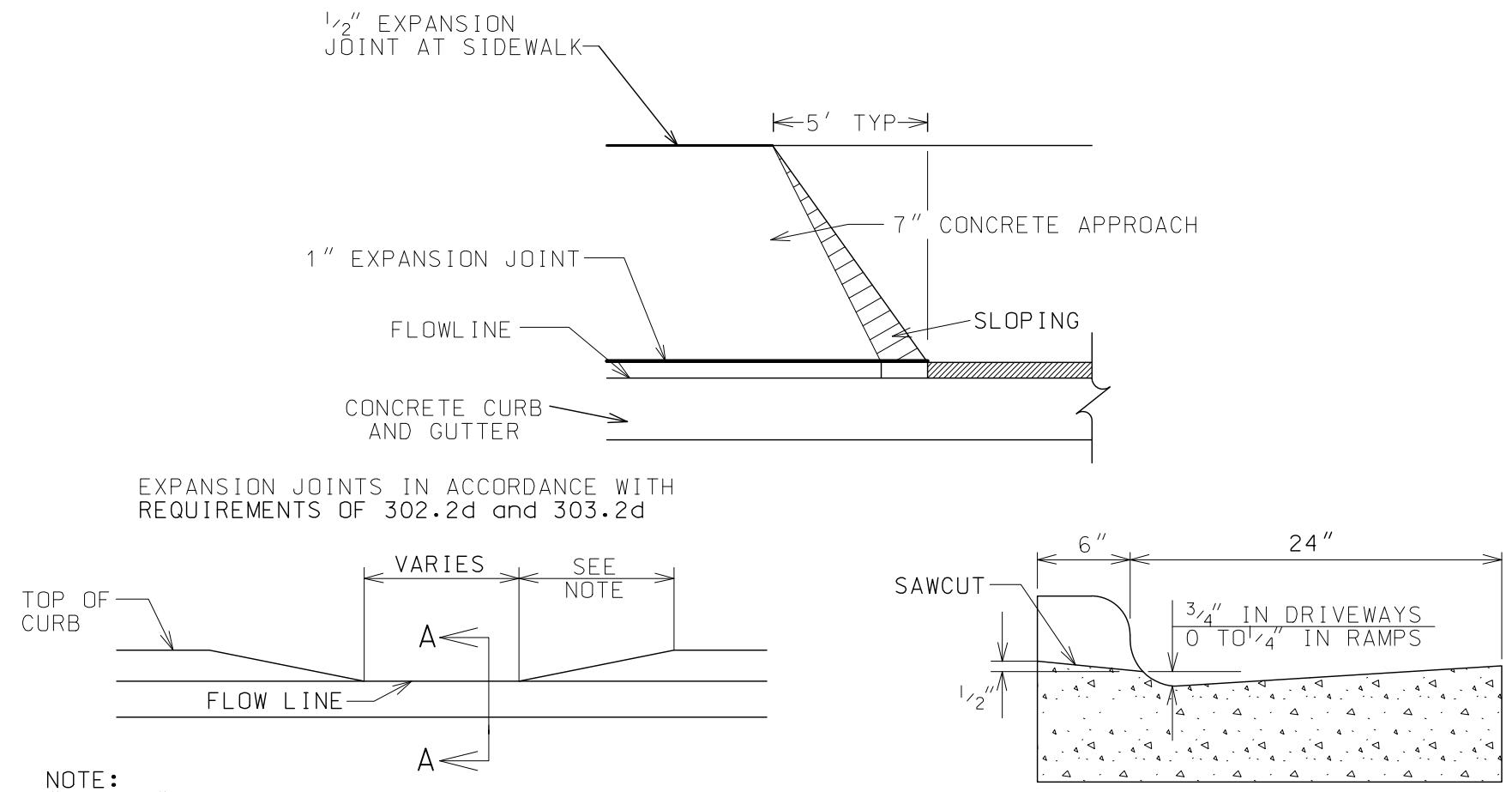
(CAN BE INSTALLED IN ANY INLET WITH OR WITHOUT A CURB BOX)

NOTES:

- Taper bottom of bag to maintain three inches of clearance between the bag and the structure, measured from the bottom of the overflow openings to the structure wall.
- Geotextile fabric, Type FF for flaps and top half of filter bag. Geotextile fabric, Type HR for bottom half of filter bag with front, back, and bottom being one piece.
- Front lifting flap is to be used when removing and maintaining filter bag.
- Side flaps shall be a maximum of two inches long. Fold the fabric over and reinforce with multiple stitches.
- Flap pockets shall be large enough to accept wood 2" x 2". The rebar, steel pipe, or wood shall be installed in the rear flap and shall not block the top half of the curb box opening.

MAINTENANCE NOTES:

- When removing or maintaining inlet protection, care shall be taken so that the sediment trapped in the fabric does not fall into the structure. Material that has fallen into the inlet shall be immediately removed.



NOTE:
12" TO 18" TAPER FOR STANDARD DRIVEWAY APPROACH
18" TO 24" TAPER FOR STANDARD RAMP

TYPICAL CURB CUT TAPER

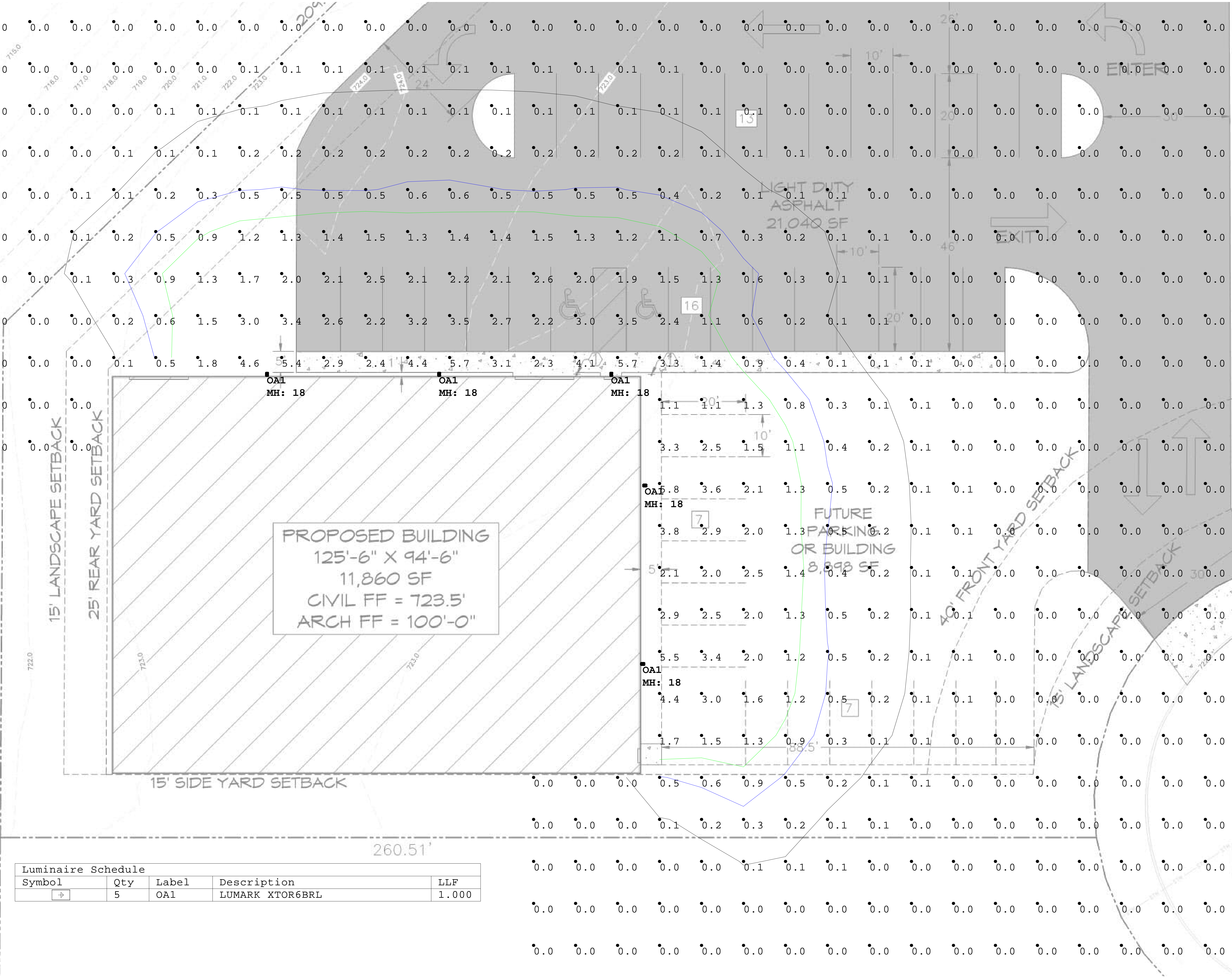
GENERAL NOTE:

IF THE CURB CUT IS NOT CONSTRUCTED WITH THE INITIAL CURB AND GUTTER CONSTRUCTION, THE CURB CUT CAN BE MADE BY REMOVING AND REPLACING THE ENTIRE CURB AND GUTTER SECTION OR BY SAWCUTTING THE EXISTING CURB HEAD BY MEANS OF A SPECIAL SAW DESIGNED TO MEET THE DETAILS ABOVE FOR MADISON STANDARD CURB CUTS.

ALL EXPANSION JOINTS SHALL EXTEND THROUGH THE ENTIRE THICKNESS OF THE APPROACH OR SIDEWALK, WHICHEVER IS THICKER.

7 TYPICAL CURB CUT

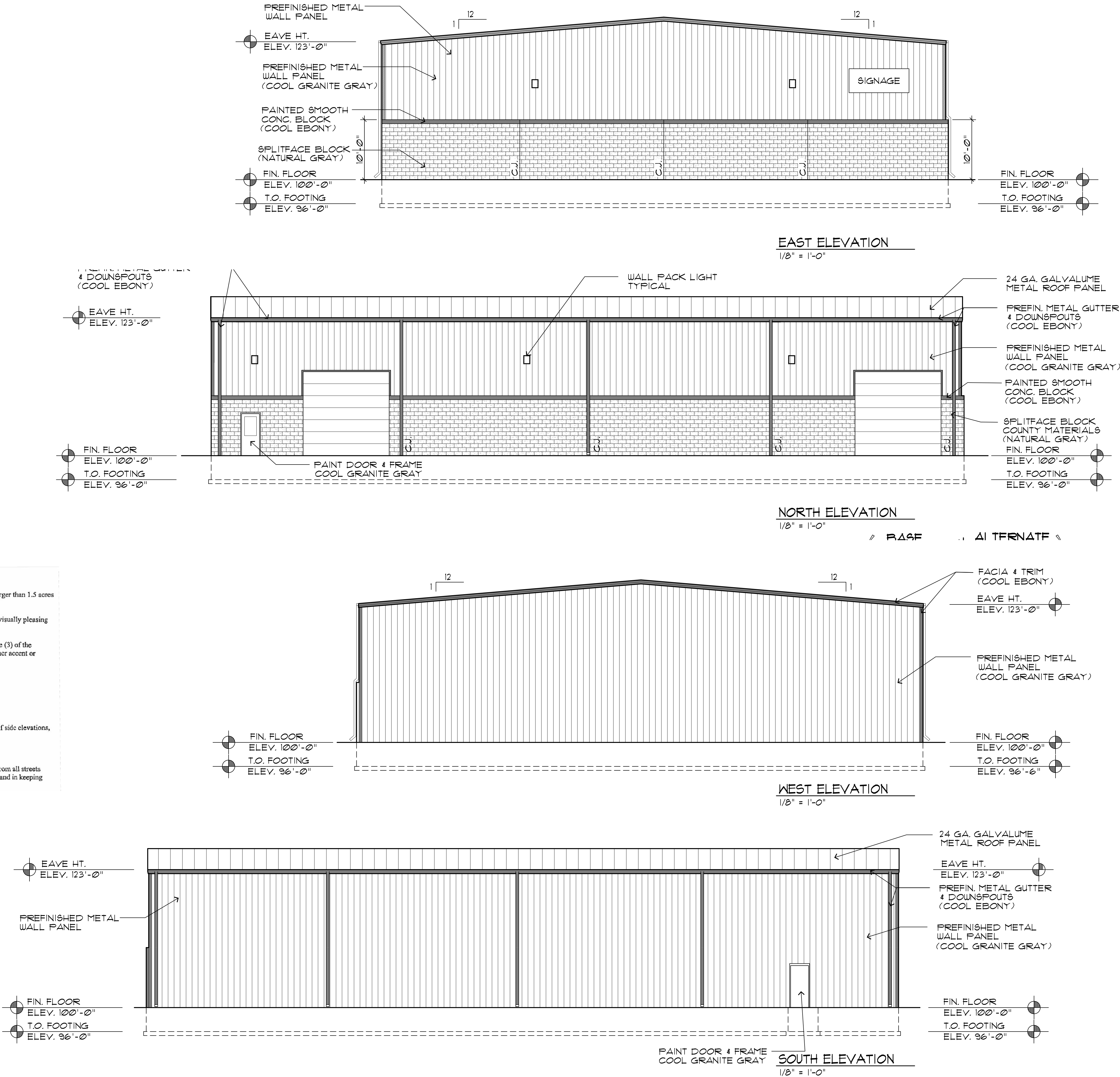
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Luminaire Schedule				
Symbol	Qty	Label	Description	LLF
	5	OA1	LUMARK XTOR6BRL	1.000

3. Building Structures.

- a) Any building constructed shall be at least 3,500 square feet in floor area. Buildings on lots that are larger than 1.5 acres must occupy at least ten percent (10%) of the land area.
- b) Buildings shall be designed so that all sides, elevations, or facades of all buildings and structures are visually pleasing and architecturally and aesthetically comparable.
- c) The majority of the exterior and externally opaque surfaces shall be constructed of not more than three (3) of the following types of materials (provided; however, that such list shall not be deemed to exclude the use of other accent or exterior trim material, glass and glazing, and earth berms):
- i. Brick;
 - ii. Architectural precast concrete panels (surface finish to be painted, stained or exposed aggregate);
 - iii. Decorative concrete block;
 - iv. Cut stone;
 - v. Exterior insulation and finish systems;
 - vi. Wood;
 - vii. Metal panels [permitted for rear, building expansion walls and maximum of fifty percent (50%) of side elevations, twenty-five (25%) of front (street) elevation];
- d) No loading dock shall face the street, unless the site configuration is such that is is unavoidable.
- e) No outdoor storage of any kind shall be permitted unless such stored materials are visually screened from all streets with a suitable fence, vegetation, berm or combination thereof. Screening shall be attractive in appearance and in keeping



NEW BUILDING FOR:

GRIT 365

LOT #8 ALLEGANCE COURT, LITTLE CHUTE, WI

BUILDING ELEVATIONS

No. Date Description

Page Information

Drawn By EAF Approved By JJW
Project No. 22-2456 Date 3/28/23
Sheet No.

A201

3/28/23

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VILLAGE OF LITTLE CHUTE

ORDINANCE NO. , SERIES OF 2023

AN ORDINANCE AMENDING THE ZONING CODE SECTION 44-394(c) OF THE VILLAGE OF LITTLE CHUTE MUNICIPAL CODE.

WHEREAS, the Plan Commission of the Village of Little Chute has recommended the following ordinance amendments; and,

WHEREAS, the required public hearing has been held before the Village Board of Trustees, Village of Little Chute; and,

WHEREAS, the Village Board of Trustees, Village of Little Chute, finds the following ordinance amendments to be in the public interest;

NOW, THEREFORE, the Village Board of Trustees, Village of Little Chute, do ordain as follows:

Section 1. That the Zoning Ordinance, Section 44-394(c) of the Municipal Code of the Village of Little Chute are hereby amended to read as follows, :

(c) *Height regulated.* Notwithstanding other provisions of these regulations, ornamental fences, walls and hedges may be permitted in any required yard or along the edge of any required yard provided no such opaque fence or wall shall exceed a height of 42 inches in any yard abutting a street, a fence or wall over 42 inches but under 48 inches with 50% open to vision shall be allowed in a yard abutting a street. No such fence, wall shall exceed a height of six feet in any other required yard.

Section 2. Effective Date. This Ordinance shall take effect upon the adoption and publication and enactment of the Ordinance by the Village Board of Trustees, Village of Little Chute.

Introduced: April 19, 2022

Approved and adopted: May __, 2022

VILLAGE OF LITTLE CHUTE

By: _____
Michael R. Vanden Berg, Village President

Attest: _____
Laurie Decker, Village Clerk