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Architectural Review Board Agenda
4:00 PM Thursday, January 9, 2025
Sussex Civic Center – Committee Room Second Floor

Pursuant to the requirements of Section 19.84, Wis. Stats., notice is hereby given of a meeting of the Village of Sussex Architectural Review Board, at which a quorum of the Village Board may attend in order to gather information about a subject which they have decision making responsibility. The meeting will be held at the above noted date, time and location. (If a Quorum is present the Chairperson shall announce, "Please let the minutes reflect that a quorum of the Village Board is present and that the Village Board members may be making comments under the Public Comments section of the agenda, during any Public Hearing(s) or if the rules are suspended to allow them to do so.)

1. Roll call.
2. Consideration and possible action on the minutes of December 4, 2024 ARB meeting.
3. Consideration and possible action on the site plan, architectural plan, lighting plan, landscape plan for Bubbles Foam Farm car wash and possible exception from the Design Guidelines for a reduction in window and door openings on the street facing elevation located at the property identified by Tax Key Number 231.997.014 in the B-3 Highway Business Zoning District.
4. Adjournment.

Anthony LeDonne
Chairperson

Jeremy Smith
Village Administrator

Please note that, upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. For additional information or to request this service, contact Jeremy Smith at 246-5200.

VILLAGE OF SUSSEX
SUSSEX, WISCONSIN

Minutes of the Architectural Review Board (ARB) meeting held on December 4, 2024.

Chairperson LeDonne called the meeting to order at 4:04 p.m.

Members present: Mike Knapp, Gary Foxe, Anthony LeDonne, and Stacey Reidel

Members absent: Mike Smith

Others present: Gabe Gilbertson, Community Development Director

Consideration and possible action on the minutes of August 7, 2024.

A motion by President LeDonne, seconded by Reidel to approve the minutes of the meeting held on August 7, 2024.

All ayes, motion carried.

Consideration and possible action on the site plan, architectural plan, lighting plan, landscape plan for Bubbles Foam Farm car wash located at the property identified by Tax Key Number 231.997.014 in the B-3 Highway Business Zoning District.

A motion by Knapp, second by Foxe to table the item to allow the applicant to present a revised landscape plan that meets the number of plantings as has been recently approved for the subject property and to provide details on the window and door opening calculations for street façade of the building and for the applicant to propose ways to get closer to the 33% minimum openings required.

All ayes, motion carried.

A motion by President LeDonne, seconded by Foxe to adjourn the meeting at 4:26 pm.

All ayes, motion carried.

Respectfully submitted,
Jeremy Smith, Village Administrator



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MEMORANDUM

TO: Architectural Review Board
FROM: Gabriel Gilbertson, Community Development Director
RE: January 9, 2025 Architectural Review Board
DATE: Monday, January 6, 2025

The following is background information for the ARB agenda items (Design Standards 3-25-2014)

- I. **Roll call.**
- II. **Consideration and possible action on the ARB minutes of December 4, 2024.**
- III. **Consideration and possible action on the site plan, architectural plan, lighting plan, landscape plan for Bubbles Foam Farm car wash and possible exception from the Design Guidelines for a reduction in window and door openings on the street facing elevation located at the property identified by Tax Key Number 231.997.014 in the B-3 Highway Business Zoning District.**

The subject property is zoned B-3 Highway Business and is located directly north of Waukesha State Bank in the Metro Market commercial development. The land is currently vacant. The Plan Commission previously approved a Conditional Use Permit for a Mr. D's carwash on the subject site. Mr. D's carwash is looking to sell site to the current applicant who is proposing to construct a Bubbles Foam Farm carwash. Section 17.0506(9)(A)(1) requires a Conditional Use Permit for vehicle washing in the B-3 Highway Business District and because this would be a new owner and building, a Conditional Use Permit amendment is required.

The Municipal Code requires one stall per employee on the largest shift. The site plan has three parking spaces to accommodate three employees on a shift – the applicant will need to confirm there are no more than three employees on each shift. The Code also requires enough room for 4 waiting vehicles per washing stall; the site plan provides enough space for 15+ waiting vehicles, and spaces for 2 vehicles for vacuuming; there are 15 spaces for vacuuming.

Site

- Building meets minimum employee parking and vehicle stacking requirements.

Architecture

- The building is done in a more traditional architecture than the previously reviewed building with gabled ends and a gabled center accent. A stone base and board and baton accents highlight portions of the building.
- The building meets the minimum height and setback requirements for the Code.

- The submitted plans do not show any roof-mounted HVAC units. If those are to be installed, a plan will need to be submitted to Staff with their locations and methods of screening.

Lighting

- The submitted lighting plan is very blurry and difficult to determine if there is light spilling on to adjacent properties. The details mention bases. If the poles are to have bases, they will need to be painted to match the building.

Landscaping

- Staff has requested the applicant to include planting counts on the landscape plan to ensure it at a minimum meets the previously approved number of 15 trees, 132 shrubs/grasses, and 88 perennial flowers. The site needs additional evergreen trees in the northern corner to provide additional screening from the multifamily development to the north and to bring the site in closer to the required number of trees as part of the landscape buffer requirements and as required by the previous approval of the site.

Policy Question:

1. Are there any concerns with the various plans?
2. The ARB reviewed the plans at their previous meeting and requested the applicant submit revised elevations showing how the window percentage was calculated and potential other options of reducing the window percentage on the street elevation and submitted a revised landscape plan increasing the number of shrubs to what was previously approved.

Action Items:

1. Act on the various plans.

Staff Recommendation: Staff recommends the Architectural Review Board approve the site plan, architectural plan, lighting plan, and landscape plan for Bubbles Foam Farm car wash and a possible reduction of the 33% window and door opening requirement for the street facing elevation for the building located at the property identified by Tax Key Number 231.997.014 in the B-3 Highway Business Zoning District.



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BUBBLES SUSSEX

NEW FACILITY

N65 W24838 MAIN STREET
SUSSEX, WISCONSIN 53089

PROJECT INFORMATION		VICINITY MAP		SHEET INDEX				SHEET INDEX																																																																											
CODE SUMMARY AND BUILDING INFORMATION				<table><tr><th>SHEET NUMBER</th><th>SHEET NAME</th><th>REVISION DESCRIPTION</th><th>REVISION DATE</th></tr><tr><td colspan="4">GENERAL</td></tr><tr><td>G-001</td><td>COVER SHEET</td><td></td><td>XX/XX/XXXX</td></tr><tr><td colspan="4">CIVIL</td></tr><tr><td>C-1</td><td>COVER SHEET</td><td></td><td></td></tr><tr><td>C-2</td><td>EXISTING CONDITIONS & DEMOLITION PLAN</td><td></td><td></td></tr><tr><td>C-3</td><td>SITE DIMENSIONAL & PAVING PLAN</td><td></td><td></td></tr><tr><td>C-4</td><td>GRADING PLAN</td><td></td><td></td></tr><tr><td>C-5</td><td>UTILITY PLAN</td><td></td><td></td></tr><tr><td>C-6</td><td>EROSION CONTROL PLAN</td><td></td><td></td></tr><tr><td>C-7</td><td>CONSTRUCTION DETAILS</td><td></td><td></td></tr><tr><td>C-8</td><td>CONSTRUCTION DETAILS</td><td></td><td></td></tr><tr><td>C-9</td><td>CONSTRUCTION DETAILS</td><td></td><td></td></tr><tr><td colspan="4">SITE LIGHTING PHOTOMETRIC</td></tr><tr><td>ES-111</td><td>SITE LIGHTING PHOTOMETRIC PLAN</td><td></td><td></td></tr><tr><td colspan="4">ARCHITECTURAL</td></tr><tr><td>A-111</td><td>FIRST FLOOR PLAN</td><td></td><td></td></tr><tr><td>A-202</td><td>EXTERIOR RENDERINGS</td><td></td><td></td></tr></table>				SHEET NUMBER	SHEET NAME	REVISION DESCRIPTION	REVISION DATE	GENERAL				G-001	COVER SHEET		XX/XX/XXXX	CIVIL				C-1	COVER SHEET			C-2	EXISTING CONDITIONS & DEMOLITION PLAN			C-3	SITE DIMENSIONAL & PAVING PLAN			C-4	GRADING PLAN			C-5	UTILITY PLAN			C-6	EROSION CONTROL PLAN			C-7	CONSTRUCTION DETAILS			C-8	CONSTRUCTION DETAILS			C-9	CONSTRUCTION DETAILS			SITE LIGHTING PHOTOMETRIC				ES-111	SITE LIGHTING PHOTOMETRIC PLAN			ARCHITECTURAL				A-111	FIRST FLOOR PLAN			A-202	EXTERIOR RENDERINGS						
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MILESTONE ISSUE DATES

PRELIMINARY SET: 11/19/2024

BUDGET SET:

LOCAL DESIGN REVIEW SET:

PROPOSAL SET:

PERMIT SET:

CONSTRUCTION SET:

RECORD DRAWING SET:

REVISIONS:

A XX/XX/XXXX

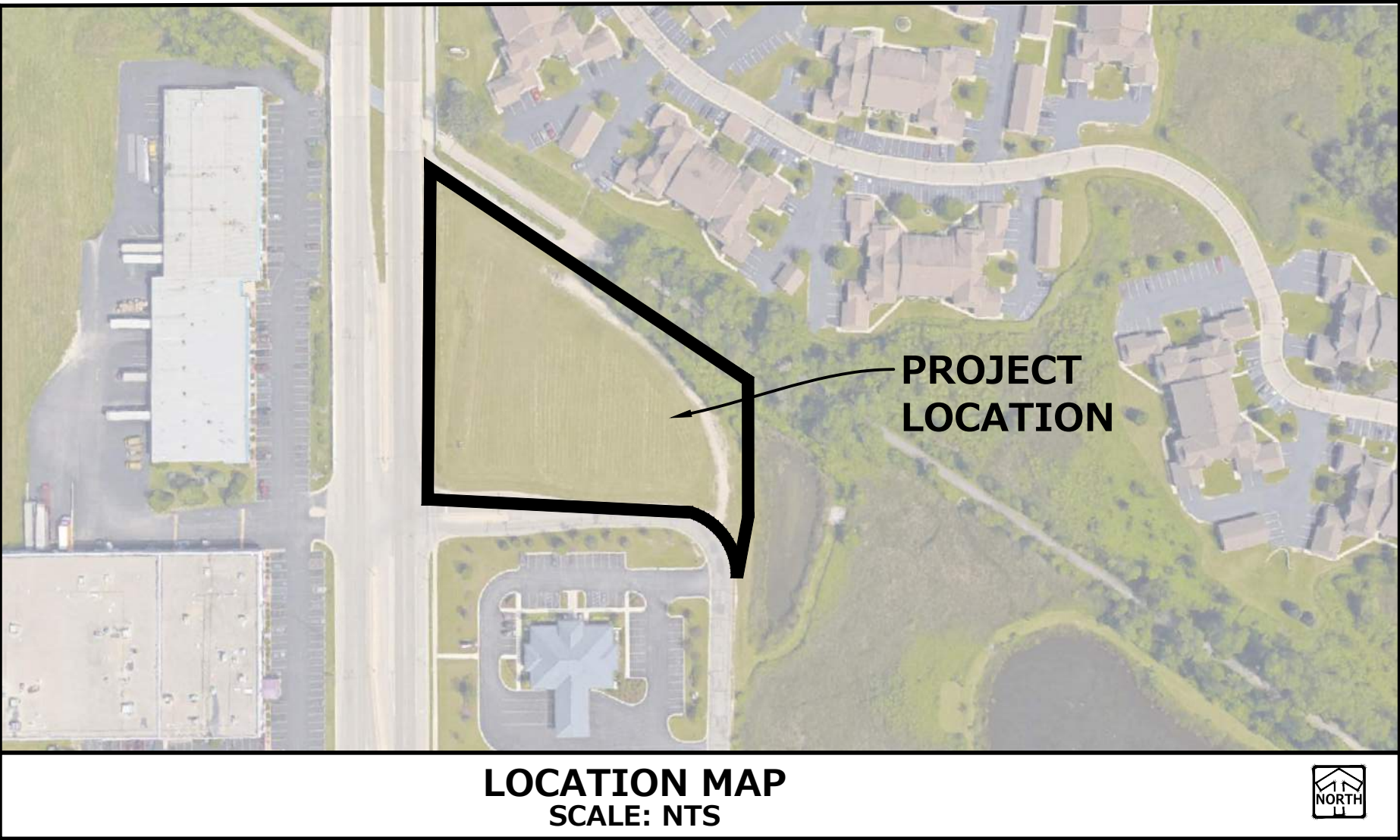
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REVIEWED: _____
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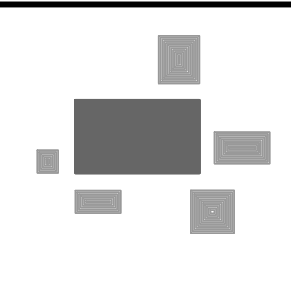
ABBREVIATIONS			
BL	BASE LINE	NWL	NORMAL WATER LEVEL
C & G	LONG CHORD OF CURVE	PC	POINT OF CURVATURE
CB	CURB AND GUTTER	PT	POINT OF TANGENCY
CL	CATCH BASIN	PVI	POINT OF VERTICAL INTERSECTION
	CENTERLINE	R	RADIUS
EP	DEGREE OF CURVE	ROW	RIGHT-OF-WAY
FF	EDGE OF PAVEMENT	SAN	SANITARY SEWER
FG	FINISHED FLOOR	ST	STORM SEWER
FL	FINISHED GRADE	T	TANGENCY OF CURVE
FP	FLOW LINE	TB	TOP OF BANK
FR	FLOODPLAIN	TC	TOP OF CURB
FW	FRAME	TF	TOP OF FOUNDATION
HWL	FLOODWAY	TP	TOP OF PIPE
INV	HIGH WATER LEVEL	TS	TOP OF SIDEWALK
	INVERT	TW	TOP OF WALK
MH	LENGTH OF CURVE	WM	WATER MAIN
	MANHOLE	Δ	INTERSECTION ANGLE

LEGEND		
	EXISTING	PROPOSED
SANITARY SEWER MANHOLE	⊙	⊙
STORM SEWER MANHOLE	⊙	⊙
STORM SEWER CATCH BASIN (ROUND CASTING)	⊙	●
STORM SEWER CATCH BASIN (RECTANGULAR CASTING)	□	■
PRECAST FLARED END SECTION	◁	▷
CONCRETE HEADWALL	⌒	⌒
VALVE BOX	⊗	⊗
FIRE HYDRANT	⊗	⊗
CLEANOUT	⊗	⊗
SANITARY SEWER	—▶—	—▶—
FORCE MAIN	—▶—	—▶—
STORM SEWER	—▶—	—▶—
DRAIN TILE	—▶—	—▶—
WATER MAIN	—W—	—W—
FIRE PROTECTION	—	—FP—
ELECTRICAL CABLE	—E—	—E—
OVERHEAD WIRES	—OH—	—OH—
GAS MAIN	—G—	—G—
TELEPHONE LINE	—T—	—T—
UTILITY CROSSING	—	—
CAUTION EXISTING UTILITIES NEARBY		⚠
GRANULAR TRENCH BACKFILL		▨
LIGHTING	⊙	⊙
ELECTRICAL TRANSFORMER OR PEDESTAL	⊙	⊙
POWER POLE	⊙	⊙
POWER POLE WITH LIGHT	⊙	⊙
GUY WIRE	⊙	⊙
STREET SIGN	⊙	⊙
CONTOUR	—749—	—749—
SPOT ELEVATION	×(750.00)	◆750.00
WETLANDS	—	—
PRIMARY ENVIRONMENTAL CORRIDOR	—	—
FLOODWAY	—	—
FLOODPLAIN	—	—
HIGH WATER LEVEL (HWL)	—	—
NORMAL WATER LEVEL (NWL)	—	—
DIRECTION OF SURFACE FLOW	→	→
DITCH OR SWALE	→	→
DIVERSION SWALE	→	→
OVERFLOW RELIEF ROUTING	→	→
TREE WITH TRUNK SIZE	⊙	⊙
SOIL BORING	⊙	⊙
TOPSOIL PROBE	⊙	⊙
FENCE LINE, TEMPORARY SILT	—SF—	—SF—
FENCE LINE, WIRE	—	—
FENCE LINE, CHAIN LINK OR IRON	—	—
FENCE LINE, WOOD OR PLASTIC	—	—
CONCRETE SIDEWALK	—	—
CURB AND GUTTER	—	—
DEPRESSED CURB	—	—
REVERSE PITCH CURB & GUTTER	—	—
EASEMENT LINE	—	—

CONTACTS:	
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SURVEYOR: JOHN P. KONOPACKI, P.L.S. PINNACLE ENGINEERING GROUP 20725 W. WATERTOWN ROAD SUITE 100 BROOKFIELD, WI 53186 (262) 754-8888	ARCHITECT: CAMERON MCFARLAND MSI GENERAL CORPORATION W215 E. WISCONSIN AVE. NASHOTAH, WI 53066 262-367-3661

BENCHMARKS	
SITE BENCHMARKS: BENCHMARK = NW UPPER FLANGE BOLT HYDRANT THE STATION IS LOCATED AT THE EAST SIDE OF STATE TRUNK HIGHWAY 164, HALFWAY BETWEEN THE INTERSECTION WITH BUGLINE RECREATIONAL TRAIL AND THE INTERSECTION WITH THE PRIVATE DRIVE SOUTH OF THE SITE. DATUM: NAVD88 ELEVATION: 951.96	





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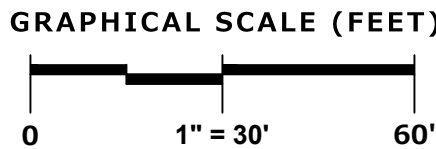
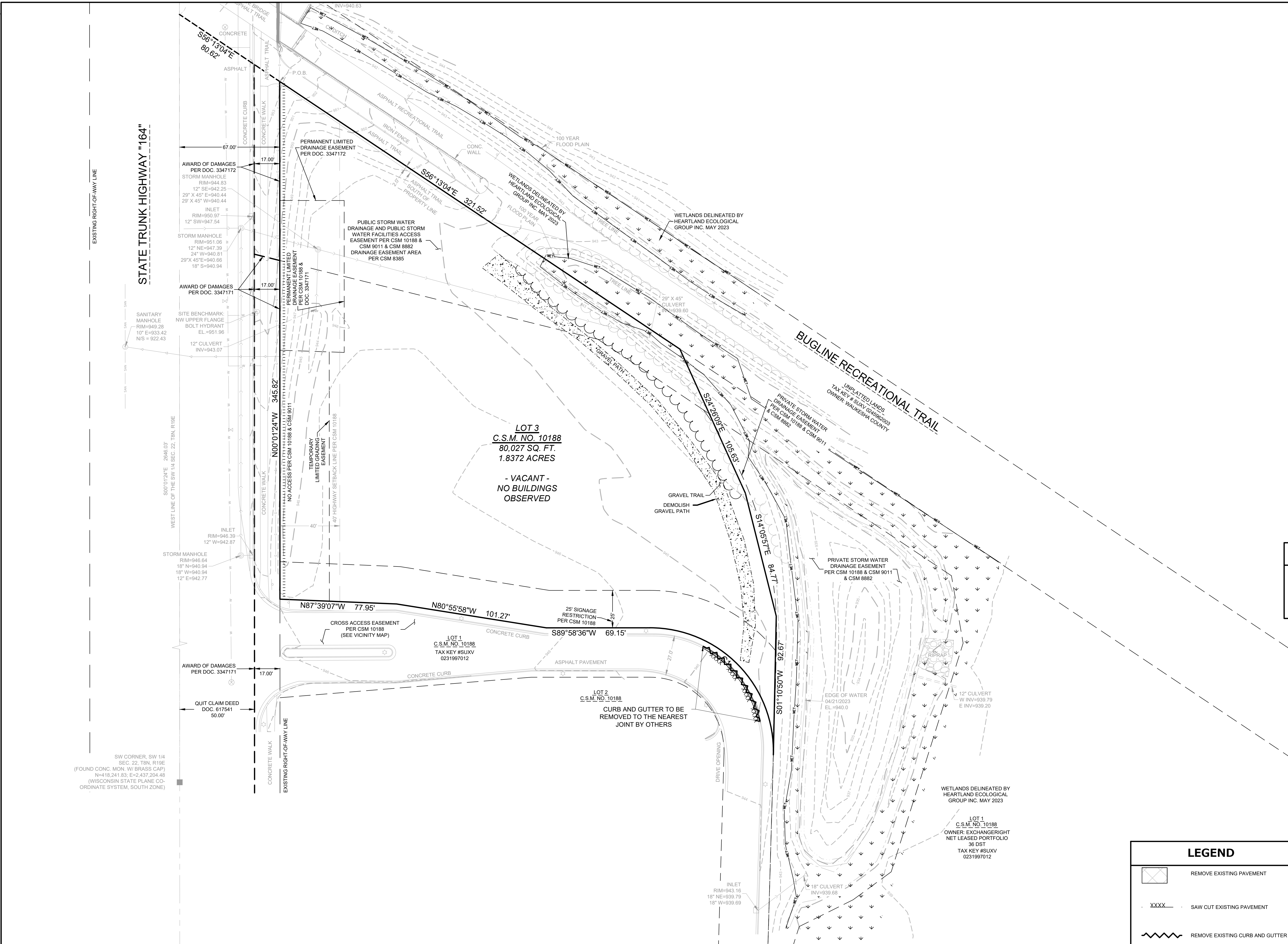
COVER SHEET

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GENERAL NOTES	
<p>1. THE INTENTION OF THE PLANS AND SPECIFICATIONS IS TO SET FORTH PERFORMANCE AND CONSTRUCTION MATERIAL STANDARDS FOR THE PROPER EXECUTION OF WORK. ALL WORKS CONTAINED WITHIN THE PLANS AND SPECIFICATIONS SHALL BE COMPLETED IN ACCORDANCE WITH ALL REQUIREMENTS FROM LOCAL, STATE, FEDERAL OR OTHER GOVERNING AGENCY'S LAWS, REGULATIONS, JURISDICTIONAL ORDINANCES/CODES/RULES/ETC., AND THE OWNER'S DIRECTION.</p> <p>2. A GEOTECHNICAL REPORT HAS NOT YET BEEN PREPARED FOR THIS PROJECT. THE DATA ON SUB-SURFACE SOIL CONDITIONS IS NOT INTENDED AS A REPRESENTATION OR WARRANTY OF THE CONTINUITY OF SUCH CONDITIONS BETWEEN BORINGS OR INDICATED SAMPLING LOCATIONS. IT SHALL BE EXPRESSLY UNDERSTOOD THAT OWNER WILL NOT BE RESPONSIBLE FOR ANY INTERPRETATIONS OR CONCLUSIONS DRAWN THERE FROM BY THE CONTRACTOR. DATA IS MADE AVAILABLE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ANY ADDITIONAL SOILS INVESTIGATIONS THEY FEEL IS NECESSARY FOR THE PROPER EVALUATION OF THE SITE FOR PURPOSES OF PLANNING, BIDDING, OR CONSTRUCTING THE PROJECT AT NO ADDITIONAL COST TO THE OWNER.</p> <p>3. THE CONTRACTOR IS RESPONSIBLE TO REVIEW AND UNDERSTAND ALL COMPONENTS OF THE PLANS AND SPECIFICATIONS, INCLUDING FIELD VERIFYING SOIL CONDITIONS, PRIOR TO SUBMISSION OF A BID PROPOSAL.</p> <p>4. THE CONTRACTOR SHALL PROMPTLY REPORT ANY ERRORS OR AMBIGUITIES LEARNED AS PART OF THEIR REVIEW OF PLANS, SPECIFICATIONS, REPORTS AND FIELD INVESTIGATIONS.</p> <p>5. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE COMPUTATION OF QUANTITIES AND WORK REQUIRED TO COMPLETE THIS PROJECT. THE CONTRACTOR'S BID SHALL BE BASED ON ITS OWN COMPUTATIONS AND IN NO SUCH INSTANCE RELY ON THE ENGINEER'S ESTIMATE.</p> <p>6. QUESTIONS/CLARIFICATIONS WILL BE INTERPRETED BY ENGINEER/OWNER PRIOR TO THE AWARD OF CONTRACT. ENGINEER/OWNER WILL SUBMIT OFFICIAL RESPONSES IN WRITING. INTERPRETATIONS PRESENTED IN OFFICIAL RESPONSES SHALL BE BINDING ON ALL PARTIES ASSOCIATED WITH THE CONTRACT. IN NO WAY SHALL WORD-OF-MOUTH DIALOG CONSTITUTE AN OFFICIAL RESPONSE.</p> <p>7. PRIOR TO START OF WORK, CONTRACTOR SHALL BE COMPLETELY FAMILIAR WITH ALL CONDITIONS OF THE SITE, AND SHALL ACCOUNT FOR CONDITIONS THAT AFFECT, OR MAY AFFECT CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, LIMITATIONS OF WORK ACCESS, SPACE LIMITATIONS, OVERHEAD OBSTRUCTIONS, TRAFFIC PATTERNS, LOCAL REQUIREMENTS, ADJACENT ACTIVITIES, ETC. FAILURE TO CONSIDER SITE CONDITIONS SHALL NOT BE CAUSE FOR CLAIM OF JOB EXTRAS.</p> <p>8. COMMENCEMENT OF CONSTRUCTION SHALL EXPLICITLY CONFIRM THAT THE CONTRACTOR HAS REVIEWED THE PLANS AND SPECIFICATIONS IN ENTIRETY AND CERTIFIES THAT THEIR SUBMITTED BID PROPOSAL CONTAINS PROVISIONS TO COMPLETE THE PROJECT, WITH THE EXCEPTION OF UNFORESEEN FIELD CONDITIONS. ALL APPLICABLE PERMITS HAVE BEEN OBTAINED, AND CONTRACTOR UNDERSTANDS ALL OF THE REQUIREMENTS OF THE PROJECT.</p> <p>9. SHOULD ANY DISCREPANCIES OR CONFLICTS IN THE PLANS OR SPECIFICATIONS BE DISCOVERED AFTER THE AWARD OF CONTRACT, ENGINEER SHALL BE NOTIFIED IN WRITING IMMEDIATELY AND CONSTRUCTION OF ITEMS AFFECTED BY THE DISCREPANCIES/CONFLICTS SHALL NOT COMMENCE, OR CONTINUE, UNTIL A WRITTEN RESPONSE FROM ENGINEER/OWNER IS DISTRIBUTED. IN THE EVENT OF A CONFLICT BETWEEN REFERENCED CODES, STANDARDS, SPECIFICATIONS AND PLANS, THE ONE ESTABLISHING THE MOST STRINGENT REQUIREMENTS SHALL BE FOLLOWED.</p> <p>10. THE CONTRACTOR SHALL, AT ITS OWN EXPENSE, OBTAIN ALL NECESSARY PERMITS AND LICENSES TO COMPLETE THE PROJECT. OBTAINING PERMITS, OR DELAYS, IS NOT CAUSE FOR DELAY OF THE CONTRACT OR SCHEDULE. CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS.</p> <p>11. THE CONTRACTOR SHALL NOTIFY ALL INTERESTED GOVERNING AGENCIES, UTILITY COMPANIES AFFECTED BY THIS CONSTRUCTION PROJECT, AND GOPHER STATE 811 ONE CALL IN ADVANCE OF CONSTRUCTION TO COMPLY WITH ALL JURISDICTIONAL ORDINANCES/CODES/RULES/ETC., PERMIT STIPULATIONS, AND OTHER APPLICABLE STANDARDS.</p> <p>12. SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE TO INITIATE, INSTITUTE, ENFORCE, MAINTAIN, AND SUPERVISE ALL SAFETY PRECAUTIONS AND JOB SITE SAFETY PROGRAMS IN CONNECTION WITH THE WORK.</p> <p>13. CONTRACTOR SHALL KEEP THE JOBSITE CLEAN AND ORDERLY AT ALL TIMES. ALL LOCATIONS OF THE SITE SHALL BE KEPT IN A WORKING MANNER SUCH THAT DEBRIS IS REMOVED CONTINUOUSLY AND ALL RESPECTIVE CONTRACTORS OPERATE UNDER GENERAL "GOOD HOUSEKEEPING."</p> <p>14. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, ENGINEER, AND THEIR AGENTS FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, AND TESTING OF THE WORK ON THIS PROJECT.</p>	

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PEG JOB #3005.00-WI MAC PEG PM START DATE 11/11/24 SCALE N.T.S.	SHEET C-1 OF C-9 © COPYRIGHT 2023

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CONTRACTOR RESPONSIBILITY:

THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. IF ADDITIONAL UTILITIES ARE KNOWN TO EXIST IN THE PROPERTY, THE OWNER WILL PROVIDE EXISTING PLANS OF OTHER UTILITIES SERVING THE SITE AND THE BUILDING THAT OTHERWISE CANNOT BE LOCATED BY A VISUAL OBSERVATION OF THE PROPERTY OR OF WHICH THE SURVEYOR WOULD HAVE NO KNOWLEDGE.

DEMOLITION & CLEARING

- CONTRACTOR WILL BE RESPONSIBLE FOR ENSURING THAT THE APPROPRIATE GOVERNMENTAL ENTITIES ARE NOTIFIED OF THE WORK AND NECESSARY PERMITS ARE OBTAINED.
- CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ITEMS/DEBRIS, CLASSIFICATION, AND PROPER DISPOSAL (E.G. - ARRANGE FOR ADEQUATE COLLECTION, AND TRANSPORTATION TO DELIVER THE RECOVERED MATERIALS TO THE APPROVED RECYCLING CENTER OR PROCESSING FACILITY). CONTRACTOR SHALL MAINTAIN RECORDS ACCESSIBLE TO THE OWNER AND GOVERNMENT ENTITIES.
- CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS IN MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES.
- CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES DESIGNATED TO REMAIN.
- PROVIDE TEMPORARY BARRICADES AND OTHER FORMS OF PROTECTION AS REQUIRED FOR SAFETY AND SECURITY.
- PROVIDE BARRIERS AND APPROPRIATE SIGNS WHERE NECESSARY TO RESTRICT PEDESTRIANS FROM WANDERING INTO CONSTRUCTION AREAS. PROVIDE ACCEPTABLE TEMPORARY SECURITY BARRIERS WHERE PHYSICAL SECURITY OF BUILDINGS OR FENCES IS COMPROMISED DUE TO DEMOLITION WORK.
- PROVIDE TEMPORARY WEATHER PROTECTION DURING INTERVAL BETWEEN DEMOLITION AND REMOVAL OF EXISTING CONSTRUCTION ON EXTERIOR SURFACES AND INSTALLATION OF NEW CONSTRUCTION TO ENSURE NO WATER LEAKAGE OR DAMAGE OCCURS TO STRUCTURE OR INTERIOR AREAS OF EXISTING BUILDING.
- ERECT TEMPORARY ENCLOSURES AS NECESSARY TO LIMIT DUST. USE WATER AS NECESSARY TO LAY DUST WHEN CHIPPING, CORING, OR SAWING CONCRETE, MASONRY OR SIMILAR MATERIALS. WATER MUST BE CONTROLLED INSIDE BUILDINGS BY DAMMING, OR OTHER CONTAINMENT METHOD.
- PROVIDE AND MAINTAIN INTERIOR AND EXTERIOR SHORING, BRACING OR STRUCTURAL SUPPORT TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF STRUCTURES AND ADJACENT FACILITIES THAT ARE NOT PART OF DEMOLITION.
- PERFORM WORK IN SAFE AND SYSTEMATIC MANNER.
- WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT AT ALL TIMES.
- COMPLETELY BACKFILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM UTILITY REMOVAL AND OTHER DEMOLITION WORK WITH CLOSE GRADED AGGREGATE OR COHESIVE STRUCTURAL FILL.
- REPAIR DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED.

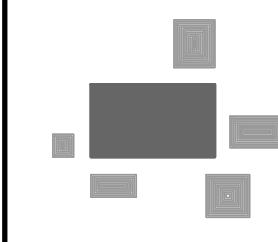
LEGEND

- REMOVE EXISTING PAVEMENT
- SAW CUT EXISTING PAVEMENT
- REMOVE EXISTING CURB AND GUTTER

REVISIONS

REC JOB #3005.00-WI
MAC
START DATE 11/17/24
SCALE 1" = 30'

SHEET
C-2
OF
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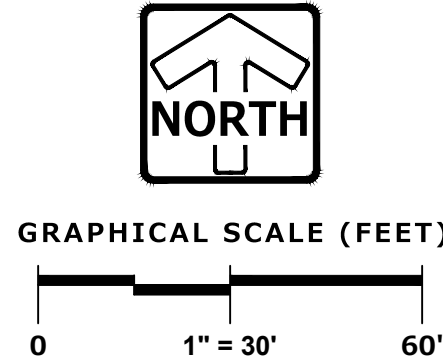
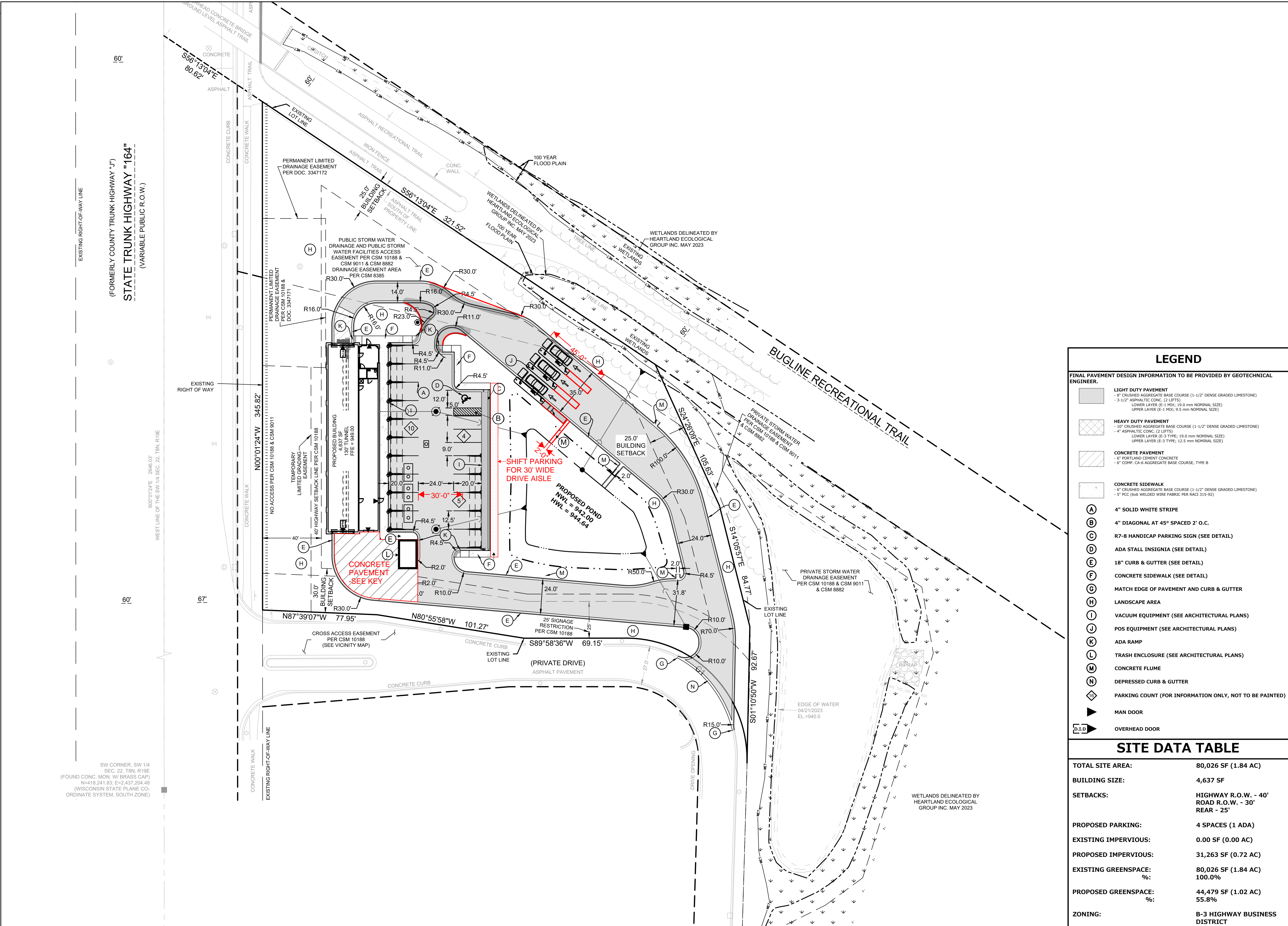
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EXISTING CONDITIONS & DEMOLITION PLAN

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REVIEWED: _____
DESIGNED: _____
DRAFTED: RCH



NOTES

- ALL DIMENSIONS ARE FACE OF CURB TO FACE OF CURB OR BUILDING FOUNDATION UNLESS NOTED OTHERWISE. ALL UTILITY DIMENSIONS ARE TO OUTSIDE OF PIPE OR CENTER OF STRUCTURE UNLESS OTHERWISE NOTED. ALL PAVING DIMENSIONS ARE TO FACE OF CURB OR TO EDGE OF PAVEMENT; EXCEPT FOR THE SETBACK FROM PARKING LOTS, MANEUVERING LANES AND FIRE ACCESS LANES, WHERE THE SETBACK IS MEASURED FROM THE BACK OF CURB TO THE PROPERTY LINE.
- ALL PROPOSED CURB AND GUTTER SHALL BE 18" CURB AND GUTTER (SEE DETAIL). UNLESS OTHERWISE NOTED.
- ALL RADII ARE MEASURED TO FACE OF CURB UNLESS NOTED OTHERWISE.
- BUILDING DIMENSIONS AND ADJACENT PARKING AND UTILITY LAYOUT HAVE BEEN PREPARED BASED UPON ARCHITECTURAL INFORMATION CURRENT AT THE DATE OF THIS DRAWING. SUBSEQUENT ARCHITECTURAL CHANGES MAY EXIST. THEREFORE CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR PRECISE BUILDING DIMENSIONS AND EXACT UTILITY ENTRANCE LOCATIONS AND NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT DIGGERS HOTLINE (1-800-242-8511) PRIOR TO ANY WORK TO LOCATE UTILITIES AND SHALL CONTACT THE OWNER SHOULD UTILITIES APPEAR TO BE IN CONFLICT WITH THE PROPOSED IMPROVEMENT.
- IMPROVEMENTS ADJACENT TO BUILDING IF SHOWN SUCH AS TRUCK DOCK, RETAINING WALLS, SIDEWALKS, CURBING, FENCES, CANOPIES, RAMPS, HANDICAP ACCESS, PLANTERS, DUMPSTERS, AND TRANSFORMERS ETC. HAVE BEEN SHOWN FOR APPROXIMATE LOCATION ONLY. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS, SPECIFICATIONS, AND DETAILS.
- REFER TO ELECTRICAL PLANS FOR LIGHTING LOCATIONS, SPECIFICATIONS, AND DETAILS.
- SEE ADDITIONAL NOTES AND DETAILS ON SITE DIMENSIONAL PLANS AND CONSTRUCTION DETAILS.
- ALL PAVING SHALL CONFORM TO STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY & STRUCTURE CONSTRUCTION AND APPLICABLE VILLAGE OF SUSSEX SPECIFICATIONS CONTAINED WITHIN THIS PLAN SET.
- CONTRACTOR SHALL CONSULT STRIPING COLOR WITH OWNER PRIOR TO CONSTRUCTION.
- PROVIDE CONTRACTOR GRADE ACRYLIC, STRIPING PAINT FOR NEW ASPHALT OR COATED ASPHALT. APPLY MARKING PAINT AT A RATE OF ONE (1) GALLON PER THREE TO FOUR HUNDRED (300-400) LINEAL FEET OF FOUR (4) INCH WIDE STRIPES OR TO MANUFACTURER'S SPECIFICATION, WHICHEVER IS GREATER.
- THOROUGHLY CLEAN SURFACES FREE OF DIRT, SAND, GRAVEL, OIL AND OTHER FOREIGN MATTER. CONTRACTOR RESPONSIBLE TO INSPECT EXISTING PAVEMENT SURFACES FOR CONDITIONS AND DEFECTS THAT WILL ADVERSELY AFFECT QUALITY OF WORK, AND WHICH CANNOT BE PUT INTO AN ACCEPTABLE CONDITION THROUGH NORMAL PREPARATORY WORK AS SPECIFIED.
- DO NOT PLACE MARKING OVER UNSOUND PAVEMENTS. IF THESE CONDITIONS EXIST, NOTIFY OWNER. STARTING INSTALLATION CONSTITUTES CONTRACTOR'S ACCEPTANCE OF SURFACE AS SUITABLE FOR INSTALLATION.
- LAYOUT MARKINGS USING GUIDE LINES, TEMPLATES AND FORMS. STENCILS AND TEMPLATES SHALL BE PROFESSIONALLY MADE TO INDUSTRY STANDARDS. "FREE HAND" PAINTING OF ARROWS, SYMBOLS, OR WORDING SHALL NOT BE ALLOWED. APPLY STRIPES STRAIGHT AND EVEN.
- PROTECT ADJACENT CURBS, WALKS, FENCES, AND OTHER ITEMS FROM RECEIVING PAINT.
- BARRICADE MARKED AREAS DURING INSTALLATION AND UNTIL THE MARKING PAINT IS DRIED AND READY FOR TRAFFIC.
- ASPHALTIC CONCRETE PAVING SPECIFICATIONS-

CODES AND STANDARDS: THE PLACING, CONSTRUCTION AND COMPOSITION OF THE ASPHALTIC BASE COURSE AND ASPHALTIC CONCRETE SURFACING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 450, 455, 460 AND 465 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, EDITION OF 2005. HEREFTER, THIS PUBLICATION WILL BE REFERRED TO AS THE STATE HIGHWAY SPECIFICATIONS.

WEATHER LIMITATIONS: APPLY TACK COATS WHEN AMBIENT TEMPERATURE IS ABOVE 50° F (10° C) AND WHEN TEMPERATURE HAS NOT BEEN BELOW 35° F (1° C) FOR 12 HOURS IMMEDIATELY PRIOR TO APPLICATION. DO NOT APPLY WHEN BASE IS WET OR CONTAINS EXCESS OF MOISTURE. CONSTRUCT ASPHALTIC CONCRETE SURFACE COURSE WHEN ATMOSPHERIC TEMPERATURE IS ABOVE 40° (4° C) AND WHEN BASE IS DRY AND WHEN WEATHER IS NOT RAINY. BASE COURSE MAY BE PLACED WHEN AIR TEMPERATURE IS ABOVE 30° F (-1° C).

GRADE CONTROL: ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION.

CRUSHED AGGREGATE BASE COURSE: THE TOP LAYER OF BASE COURSE SHALL CONFORM TO SECTIONS 301 AND 305, STATE HIGHWAY SPECIFICATIONS.

BINDER COURSE AGGREGATE: THE AGGREGATE FOR THE BINDER COURSE SHALL CONFORM TO SECTIONS 460.2.7 AND 315, STATE HIGHWAY SPECIFICATIONS.

SURFACE COURSE AGGREGATE: THE AGGREGATE FOR THE SURFACE COURSE SHALL CONFORM TO SECTIONS 460.2.7 AND 465, STATE HIGHWAY SPECIFICATIONS.

ASPHALTIC MATERIALS: THE ASPHALTIC MATERIALS SHALL CONFORM TO SECTION 455 AND 460, STATE HIGHWAY SPECIFICATIONS.

CONCRETE MATERIALS: CONCRETE PAVEMENT SHALL CONFORM TO SECTIONS 415, 416, AND 501, STATE HIGHWAY SPECIFICATIONS.

SURFACE PREPARATION: NOTIFY CONTRACTOR OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.

DOWEL BARS: PLACE AT ALL TRANSVERSE AND LONGITUDINAL JOINTS IN TRUCK LOADING DOCK AREAS AND AT ALL TRANSVERSE JOINTS IN ENTRANCE AREAS/ROADS PER WISDOT 13C13.

TIE BARS: PLACE AT ALL LONGITUDINAL JOINTS IN ENTRANCE AREAS/ROADS PER WISDOT 13C01. PLACE IN CURB AND GUTTER PER WISDOT 8D01.

LEGEND

FINAL PAVEMENT DESIGN INFORMATION TO BE PROVIDED BY GEOTECHNICAL ENGINEER

- LIGHT DUTY PAVEMENT**
 - 8" CRUSHED AGGREGATE BASE COURSE (1-1/2" DENSE GRADED LESTONE)
 - 3-1/2" ASPHALTIC CONC. (2 LIFTS)
 - LOWER LAYER (E-1 MIX; 19.0 mm NOMINAL SIZE)
 - UPPER LAYER (E-1 MIX; 9.5 mm NOMINAL SIZE)
- HEAVY DUTY PAVEMENT**
 - 10" CRUSHED AGGREGATE BASE COURSE (1-1/2" DENSE GRADED LESTONE)
 - 4" ASPHALTIC CONC. (2 LIFTS)
 - LOWER LAYER (E-3 TYPE; 19.0 mm NOMINAL SIZE)
 - UPPER LAYER (E-3 TYPE; 12.5 mm NOMINAL SIZE)
- CONCRETE PAVEMENT**
 - 6" PORTLAND CEMENT CONCRETE
 - 6" COMP. C&G AGGREGATE BASE COURSE, TYPE B
- CONCRETE SIDEWALK**
 - 4" CRUSHED AGGREGATE BASE COURSE (1-1/2" DENSE GRADED LESTONE)
 - 5" PCC (6#6 WELDED WIRE FABRIC PER RAC1 315-92)
- 4" SOLID WHITE STRIPE**
- 4" DIAGONAL AT 45° SPACED 2' O.C.**
- R7-8 HANDICAP PARKING SIGN (SEE DETAIL)**
- ADA STALL INSIGNIA (SEE DETAIL)**
- 18" CURB & GUTTER (SEE DETAIL)**
- CONCRETE SIDEWALK (SEE DETAIL)**
- MATCH EDGE OF PAVEMENT AND CURB & GUTTER**
- LANDSCAPE AREA**
- VACUUM EQUIPMENT (SEE ARCHITECTURAL PLANS)**
- POS EQUIPMENT (SEE ARCHITECTURAL PLANS)**
- ADA RAMP**
- TRASH ENCLOSURE (SEE ARCHITECTURAL PLANS)**
- CONCRETE FLUME**
- DEPRESSED CURB & GUTTER**
- PARKING COUNT (FOR INFORMATION ONLY, NOT TO BE PAINTED)**
- MAN DOOR**
- OVERHEAD DOOR**

SITE DATA TABLE

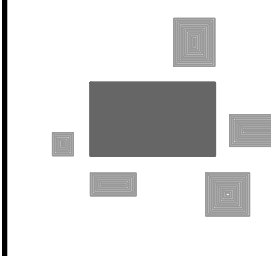
TOTAL SITE AREA:	80,026 SF (1.84 AC)
BUILDING SIZE:	4,637 SF
SETBACKS:	HIGHWAY R.O.W. - 40' ROAD R.O.W. - 30' REAR - 25'
PROPOSED PARKING:	4 SPACES (1 ADA)
EXISTING IMPERVIOUS:	0.00 SF (0.00 AC)
PROPOSED IMPERVIOUS:	31,263 SF (0.72 AC)
EXISTING GREENSPACE:	80,026 SF (1.84 AC)
%:	100.0%
PROPOSED GREENSPACE:	44,479 SF (1.02 AC)
%:	55.8%
ZONING:	B-3 HIGHWAY BUSINESS DISTRICT

REVISIONS

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

REG JOB NO	3005.00-WI	MAC	11/11/24
REG PM	_____	START DATE	_____
SCALE	1" = 30'		

SHEET	C-3
OF	C-9



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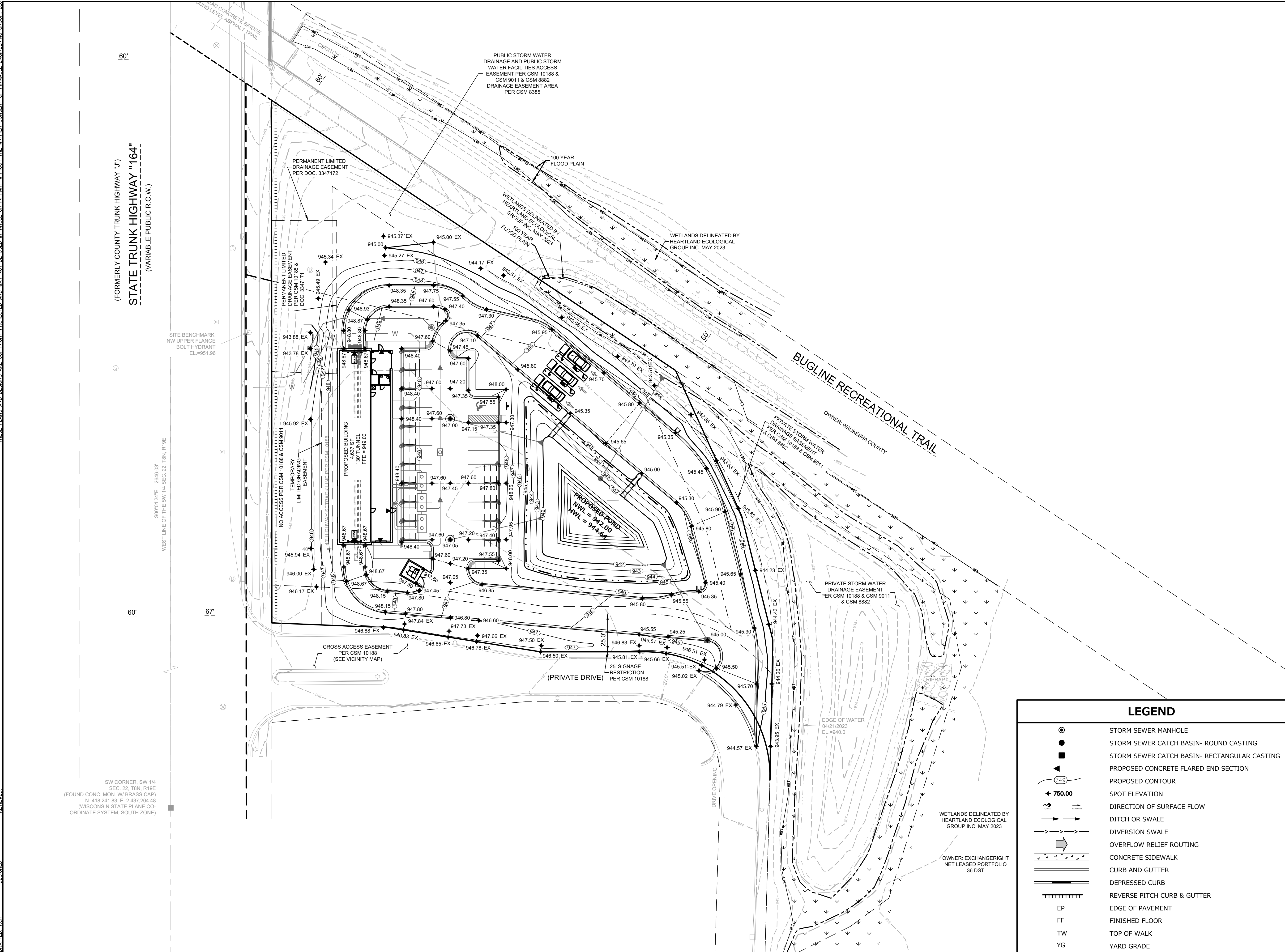
SITE DIMENSIONAL & PAVING PLAN

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REVIEWED:

DESIGNED:

DRAFTED: RCH



GRAPHICAL SCALE (FEET)
0 1" = 30' 60'

NOTES

- CONTRACTOR SHALL VERIFY ALL GRADES, ENSURE ALL AREAS DRAIN PROPERLY AND REPORT ANY DISCREPANCIES TO PINNACLE ENGINEERING GROUP PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
- ALL EXISTING CONTOURS REPRESENT EXISTING SURFACE GRADES UNLESS OTHERWISE NOTED. ALL PROPOSED GRADES SHOWN ARE FINISH SURFACE GRADES UNLESS OTHERWISE NOTED.
- SPOT ELEVATIONS REPRESENT THE GRADE ALONG THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- ALL EXCAVATIONS AND MATERIAL PLACEMENT SHALL BE COMPLETED TO DESIGN ELEVATIONS AS DEPICTED IN THE PLANS.

CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE COMPUTATION(S) OF ALL GRADING QUANTITIES. WHILE PEG ATTEMPTS TO PROVIDE A COST EFFECTIVE APPROACH TO BALANCE EARTHWORK, GRADING DESIGN IS BASED ON MANY FACTORS, INCLUDING SAFETY, AESTHETICS, AND COMMON ENGINEERING STANDARD OF CARE, THEREFORE NO GUARANTEE CAN BE MADE FOR A BALANCED SITE.

THE CONTRACTOR MAY SOLICIT APPROVAL FROM ENGINEER/OWNER TO ADJUST FINAL GRADES FROM DESIGN GRADES TO PROVIDE AN OVERALL SITE BALANCE AS A RESULT OF FIELD CONDITIONS.

- GRADING ACTIVITIES SHALL BE IN A MANNER TO ALLOW POSITIVE DRAINAGE ACROSS DISTURBED SOILS, WHICH MAY INCLUDE EXCAVATION OF TEMPORARY DITCHES TO PREVENT PONDING, AND IF NECESSARY PUMPING TO ALLEVIATE PONDING. CONTRACTOR SHALL PREVENT SURFACE WATER FROM ENTERING INTO EXCAVATIONS. IN NO WAY SHALL OWNER BE RESPONSIBLE FOR REMEDIATION OF UNSUITABLE SOILS. CREATED/ORIGINATED AS A RESULT OF IMPROPER SITE GRADING OR SEQUENCING. CONTRACTOR SHALL SEQUENCE GRADING ACTIVITIES TO LIMIT EXPOSURE OF DISTURBED SOILS DUE TO WEATHER.
- THE CONTRACTOR IS RESPONSIBLE FOR MEETING MINIMUM COMPACTION STANDARDS. THE CONTRACTOR SHALL NOTIFY ENGINEER/OWNER IF PROPER COMPACTION CANNOT BE OBTAINED. THE PROJECT'S GEOTECHNICAL CONSULTANT SHALL DETERMINE WHICH IN-SITU SOILS ARE TO BE CONSIDERED UNSUITABLE SOILS. THE ENGINEER/OWNER AND GEOTECHNICAL TESTING CONSULTANT WILL DETERMINE IF REMEDIAL MEASURES WILL BE NECESSARY.
- IN THE EVENT THAT ANY MOISTURE-DENSITY TEST(S) FAIL TO MEET SPECIFICATION REQUIREMENTS, THE CONTRACTOR SHALL PERFORM CORRECTIVE WORK AS NECESSARY TO BRING THE MATERIAL INTO COMPLIANCE AND RETEST THE FAILED AREA AT NO COST TO THE OWNER.
- WITH THE AUTHORIZATION OF THE ENGINEER/OWNER, MATERIAL THAT IS TOO WET TO PERMIT PROPER COMPACTION MAY BE SPREAD ON FILL AREAS IN AN EFFORT TO DRY. CONTRACTOR SHALL CLEARLY FIELD MARK THE EXTERIOR LIMITS OF SPREAD MATERIAL WITH PAINTED LATH AND SUBMIT A PLAN TO THE ENGINEER/OWNER THAT IDENTIFIES THE LIMITS. UNDER NO CONDITION SHALL THE SPREAD MATERIAL DEPTH EXCEED THE MOST RESTRICTIVE OF: THE EFFECTIVE TREATMENT DEPTH OF MACHINERY THAT WILL BE USED TO TURNOVER THE SPREAD MATERIAL; OR THE MAXIMUM COMPACTION LIFT DEPTH.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER/OWNER IF GROUNDWATER IS ENCOUNTERED DURING EXCAVATION.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ADEQUATE AND SAFE TEMPORARY SHORING, BRACING, RETENTION STRUCTURES, AND EXCAVATIONS.
- THE SITE SHALL BE COMPLETED TO WITHIN 0.10-FT (+/-) OF THE PROPOSED GRADES AS INDICATED WITHIN THE PLANS PRIOR TO PLACEMENT OF TOPSOIL OR STONE. CONTRACTOR IS ENCOURAGED TO SEQUENCE CONSTRUCTION SUCH THAT THE SITE IS DIVIDED INTO SMALLER AREAS TO ALLOW STABILIZATION OF DISTURBED SOILS IMMEDIATELY UPON COMPLETION OF INDIVIDUAL SMALLER AREAS.
- CONTRACTOR SHALL CONTACT "DIGGER'S HOTLINE" FOR LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES AND SHALL BE RESPONSIBLE FOR PROTECTING SAID UTILITIES FROM ANY DAMAGE DURING CONSTRUCTION.
- CONTRACTOR SHALL PROTECT INLETS AND ADJACENT PROPERTIES WITH SILT FENCING OR APPROVED EROSION CONTROL METHODS UNTIL CONSTRUCTION IS COMPLETED. CONTRACTOR SHALL PLACE SILT FENCING AT DOWN SLOPE SIDE OF GRADING LIMITS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING FACILITIES OR UTILITIES. ANY DAMAGE SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE EXPENSE OF THE CONTRACTOR.
- WORK WITHIN ANY ROADWAY RIGHT-OF-WAY SHALL BE COORDINATED WITH THE APPROPRIATE MUNICIPAL OFFICIAL PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FEES. GRADING WITHIN RIGHT-OF-WAY IS SUBJECT TO APPROVAL BY SAID OFFICIALS. RESTORATION OF RIGHT-OF-WAY IS CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF GRADING. RESTORATION SHALL INCLUDE ALL ITEMS NECESSARY TO RESTORE RIGHT-OF-WAY IN-KIND INCLUDING LANDSCAPING.
- CONTRACTOR SHALL COMPLY WITH ALL WAUKESHA COUNTY CONSTRUCTION STANDARDS/ORDINANCES.
- LANDSCAPE AND TURF AREAS SHALL HAVE A MINIMUM OF 4-INCH TOPSOIL REPLACEMENT.
- TOPSOIL BERMING SHALL ACHIEVE 90% STANDARD PROCTOR DENSITY AT 3% (+) OPTIMUM MOISTURE CONTENT.
- SURVEY BENCHMARKS AND MAPPING HAS BEEN PROVIDED BY PINNACLE ENGINEERING GROUP. IN NO WAY DOES PEG WARRANT THE BASEMAP IS ALL INCLUSIVE OR REPRESENTATIVE OF ACTUAL CONDITIONS. CONTRACTOR SHALL PROVIDE CHECKS AS NECESSARY TO VERIFY THE BASEMAP CONTENT AND ACCURACY.

LEGEND

- STORM SEWER MANHOLE
- STORM SEWER CATCH BASIN- ROUND CASTING
- STORM SEWER CATCH BASIN- RECTANGULAR CASTING
- PROPOSED CONCRETE FLARED END SECTION
- PROPOSED CONTOUR
- SPOT ELEVATION
- DIRECTION OF SURFACE FLOW
- DITCH OR SWALE
- DIVERSION SWALE
- OVERFLOW RELIEF ROUTING
- CONCRETE SIDEWALK
- CURB AND GUTTER
- DEPRESSED CURB
- REVERSE PITCH CURB & GUTTER
- EDGE OF PAVEMENT
- FINISHED FLOOR
- TOP OF WALK
- YARD GRADE

BUBBLES FOAM FARM

N65 W24838 MAIN ST (STH 164) SUSSEX, WI

GRADING PLAN

REVISIONS

PEG JOB #3005.00-WI
MAC
START DATE 11/17/24
SCALE 1" = 30'

SHEET
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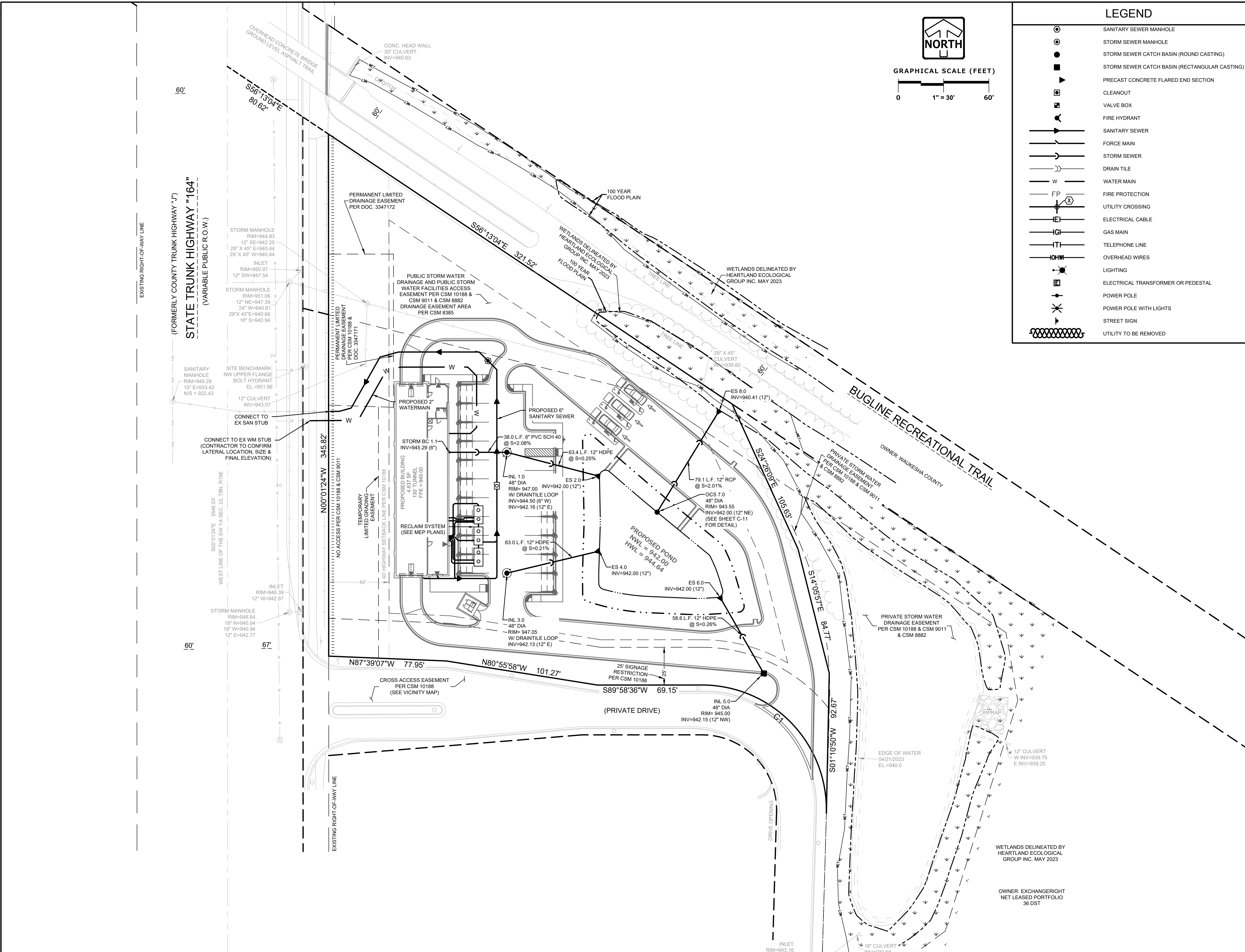
GRADING PLAN

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DESIGNED: RCH
DRAWN: RCH
CHECKED: RCH
REVIEWED: RCH



NOTES

1. EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TYPE, LOCATION, SIZE AND ELEVATION OF UNDERGROUND UTILITIES AS THEY DEEM NECESSARY FOR PROPOSED UTILITY CONNECTIONS AND/OR TO AVOID DAMAGE THERETO. CONTRACTOR SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION.

2. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN (LATEST EDITION AND ADDENDUM) AND ALL STATE AND LOCAL CODES AND SPECIFICATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE WHICH SPECIFICATIONS AND CODES APPLY, AND TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE LOCAL AND STATE AUTHORITIES.

3. UTILITY CONSTRUCTION AND SPECIFICATIONS SHALL COMPLY WITH THE VILLAGE OF SUSSEX PROVISIONS AND WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES 382.

4. LENGTHS OF PROPOSED UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS ARE SHOWN FOR CONTRACTOR CONVENIENCE ONLY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPUTATIONS OF MATERIALS REQUIRED TO COMPLETE WORK. LENGTHS SHALL BE FIELD VERIFIED DURING CONSTRUCTION.

5. CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT EXISTING UTILITY COVERS (SUCH AS MANHOLE COVERS, VALVE BOX COVERS, ETC.) TO MATCH FINISHED GRADES OF THE AREAS DISTURBED DURING CONSTRUCTION.

6. CONTRACTOR SHALL FIELD VERIFY LOCATIONS, ELEVATIONS, AND SIZES OF PROPOSED UTILITIES AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS PRIOR TO ATTEMPTING CONNECTIONS AND BEGINNING UTILITY CONSTRUCTION AND NOTIFY THE OWNER OF ANY DISCREPANCIES OR CONFLICTS.

7. ALL NEW ON-SITE SANITARY, STORM AND WATER UTILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED BY THE PROPERTY OWNER.

8. THE CONTRACTOR SHALL CONTACT THE VILLAGE OF SUSSEX PUBLIC WORKS DEPARTMENT 48-HOURS IN ADVANCE OF SANITARY, WATER AND STORM CONNECTIONS TO THE VILLAGE-OWNED SYSTEM TO SCHEDULE INSPECTIONS.

9. ROUTING OF GAS, ELECTRIC AND TELEPHONE SERVICES ARE SHOWN ON THE ARCHITECTURAL PLANS AND SUBJECT TO CHANGE BASED UPON FINAL REVIEW AND APPROVAL BY RESPECTIVE UTILITY COMPANIES AND OWNER. CONTRACTOR SHALL CONTACT EACH UTILITY COMPANY AND COORDINATE FINAL LOCATIONS FOR ALL UTILITY SERVICES PRIOR TO START OF CONSTRUCTION.

10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE PROPER AUTHORITIES FOR ANY REQUIRED PERMITS, AUTHORIZATIONS, TRAFFIC CONTROL AND ANY PERMIT FEES REQUIRED.

11. FIELD TILE CONNECTION - ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE INCLUDED IN THE UNIT PRICE(S) FOR STORM SEWER. TILE LINES CROSSED BY THE TRENCH SHALL BE REPLACED WITH THE SAME MATERIAL AS THE STORM SEWER.

12. THE CONTRACTOR IS RESPONSIBLE FOR THE SIZE, TYPE AND NUMBER OF WATER MAIN BENDS, HORIZONTAL AND VERTICAL, REQUIRED TO COMPLETE CONSTRUCTION. COST FOR BENDS, HORIZONTAL AND VERTICAL, SHALL BE INCIDENTAL AND INCLUDED IN THE OVERALL COST OF THE CONTRACT.

13. STORM SEWER SPECIFICATIONS -

PIPE - REINFORCED CONCRETE PIPE (RCP) SHALL MEET THE REQUIREMENTS OF ASTM CLASS C-76 WITH RUBBER GASKET JOINTS CONFORMING TO ASTM C-443. STRENGTH CLASSIFICATIONS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

HEIGHT OF COVER (FEET):	0-2	2-3	3-6	6-15	15-25	25+
MINIMUM CONCRETE PIPE CLASSIFICATION:	IV	III	II	III	IV	ENGINEER TO SPECIFY

HIGH DENSITY DUAL-WALL POLYETHYLENE N-12 CORRUGATED PIPE (HDPE) SHALL BE AS MANUFACTURED BY ADS OR EQUAL WITH WATER TIGHT JOINTS, AND SHALL MEET THE REQUIREMENTS OF AASHTO DESIGNATION M-294 TYPE "S", OR POLYVINYL CHLORIDE (PVC) - CLASS PS46 MEETING AASHTO M278, AS NOTED. IF HDPE PIPE IS USED FOR POND OUTFALLS, A MINIMUM OF THREE (3) SECTIONS (2 STRAPS) SHALL BE STRAPPED TOGETHER.

INLETS/CATCH BASINS - INLETS/CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE NO. 25 OF THE "STANDARD SPECIFICATIONS" WITH A 1'-8" X 2'-6" MAXIMUM OPENING. FRAME & GRATE SHALL BE NEENAH R-1580 WITH TYPE G GRATE, OR EQUAL. CURB FRAME & GRATE SHALL BE NEENAH R-3067, OR EQUAL. THE SUMP DEPTH (VERTICAL DISTANCE FROM THE BASE OF THE STRUCTURE TO OUTFALL INVERT OF THE PIPE) SHALL BE 18" MIN. STRUCTURE SHOP DRAWINGS SHALL BE SUBMITTED TO PINNACLE ENGINEERING GROUP FOR REVIEW AND APPROVAL PRIOR TO MANUFACTURING AND INSTALLATION.

BACKFILL AND BEDDING - STORM SEWER SHALL BE CONSTRUCTED WITH GRAVEL BACKFILL AND CLASS "B" BEDDING IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS".

MANHOLE FRAMES AND COVERS - MANHOLE FRAMES AND COVERS SHALL BE NEENAH R-1642 WITH TYPE "B" SELF SEALING LIDS, NON-ROCKING OR EQUAL.

IF HDPE PIPE IS USED FOR POND OUTFALLS, A MINIMUM OF THREE (3) SECTIONS (2 STRAPS) SHALL BE STRAPPED TOGETHER.

16. WATER MAIN SPECIFICATIONS -

PIPE - WATER MAIN SHALL BE POLYVINYL CHLORIDE (PVC) PIPE MEETING THE REQUIREMENTS OF AWWA STANDARD C-900, CLASS 150, DR-18, WITH CAST IRON O.D. AND INTEGRAL ELASTOMERIC BELL AND SPIGOT JOINTS. VALVES AND VALVE BOXES - GATE VALVES SHALL BE AWWA GATE VALVES MEETING THE REQUIREMENTS OF AWWA C-500 AND CHAPTER 8.27.0 OF THE "STANDARD SPECIFICATIONS". GATE VALVES AND VALVE BOXES SHALL CONFORM TO LOCAL PLUMBING ORDINANCES.

HYDRANTS - HYDRANTS SHALL CONFORM TO THE SPECIFICATIONS OF THE CITY OF RIVER FALLS AND IN ACCORDANCE WITH FILE NO. 38 OF THE "STANDARD SPECIFICATIONS". THE DISTANCE FROM THE GROUND LINE TO THE CENTERLINE OF THE LOWEST NOZZLE AND THE LOWEST CONNECTION OF THE FIRE DEPARTMENT SHALL BE NO LESS THAN 18-INCHES AND NO GREATER THAN 23-INCHES.

BEDDING AND COVER MATERIAL - PIPE BEDDING AND COVER MATERIAL SHALL BE SAND, CRUSHED STONE CHIPS OR CRUSHED STONE SCREENINGS CONFORMING TO CHAPTER 8.43.2 OF THE "STANDARD SPECIFICATIONS".

BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS". GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS".

17. SANITARY SEWER SPECIFICATIONS -

PIPE - SANITARY SEWER PIPE MATERIAL SHALL BE POLYVINYL CHLORIDE (PVC) MEETING REQUIREMENTS OF ASTM D 3034, SDR-35, WITH INTEGRAL BELL TYPE FLEXIBLE ELASTOMERIC JOINTS, MEETING THE REQUIREMENTS OF ASTM D-3212.

BEDDING AND COVER MATERIAL - BEDDING AND COVER MATERIAL SHALL CONFORM TO THE APPROPRIATE SECTIONS OF THE "STANDARD SPECIFICATION" WITH THE FOLLOWING MODIFICATION: "COVER MATERIAL SHALL BE THE SAME AS USED FOR BEDDING AND SHALL CONFORM TO SECTION 8.43.2 (A). BEDDING AND COVER MATERIAL SHALL BE PLACED IN A MINIMUM OF THREE SEPARATE LIFTS, OR AS REQUIRED TO INSURE ADEQUATE COMPACTING OF THESE MATERIALS, WITH ONE LIFT OF BEDDING MATERIAL ENDING AT OR NEAR THE SPRINGLINE OF THE PIPE. THE CONTRACTOR SHALL TAKE CARE TO COMPLETELY WORK BEDDING MATERIAL UNDER THE HAUNCH OF THE PIPE TO PROVIDE ADEQUATE SIDE SUPPORT."

BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS". GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS."

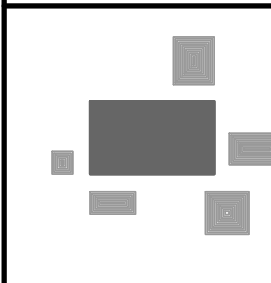
MANHOLES - MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE NOS. 12, 13 AND 15 OF THE "STANDARD SPECIFICATIONS" AND ALL SPECIAL PROVISIONS OF THE VILLAGE OF SUSSEX. STRUCTURE SHOP DRAWINGS SHALL BE SUBMITTED TO PINNACLE ENGINEERING GROUP FOR REVIEW AND APPROVAL PRIOR TO MANUFACTURING AND INSTALLATION.

MANHOLE FRAMES AND COVERS - MANHOLE FRAMES AND COVERS SHALL BE NEENAH R-1642 WITH TYPE "B" SELF SEALING LIDS, NON-ROCKING OR EQUAL.

18. WATER MAIN AND SANITARY SEWER SHALL BE INSULATED WHEREVER THE DEPTH OF COVER IS LESS THAN 6 FEET. INSULATION AND PLACING OF INSULATION SHALL CONFORM TO CHAPTER 4.17.0 "INSULATION" OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN 6TH EDITION UPDATED WITH ITS LATEST ADDENDUM (TYP.).

19. TRACER WIRE SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THESE CODE SECTIONS AS PER 182.0715(2R) OF THE STATUTES. THE TRACER WIRE FOR THE SANITARY SEWER LATERAL SHALL BE CONTINUOUS AND SHALL BE EXTENDED ABOVE GRADE VIA A 4-INCH PVC PIPE WITH SCREW-ON CAP ADJACENT TO THE PROPOSED TERMINATION POINT OF THE LATERAL FOR THE PROPOSED BUILDING.

20. SEE UTILITY PLANS AND CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.



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UTILITY PLAN

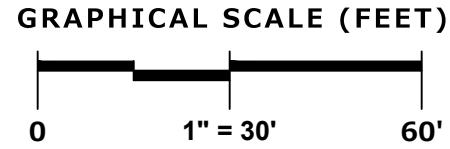
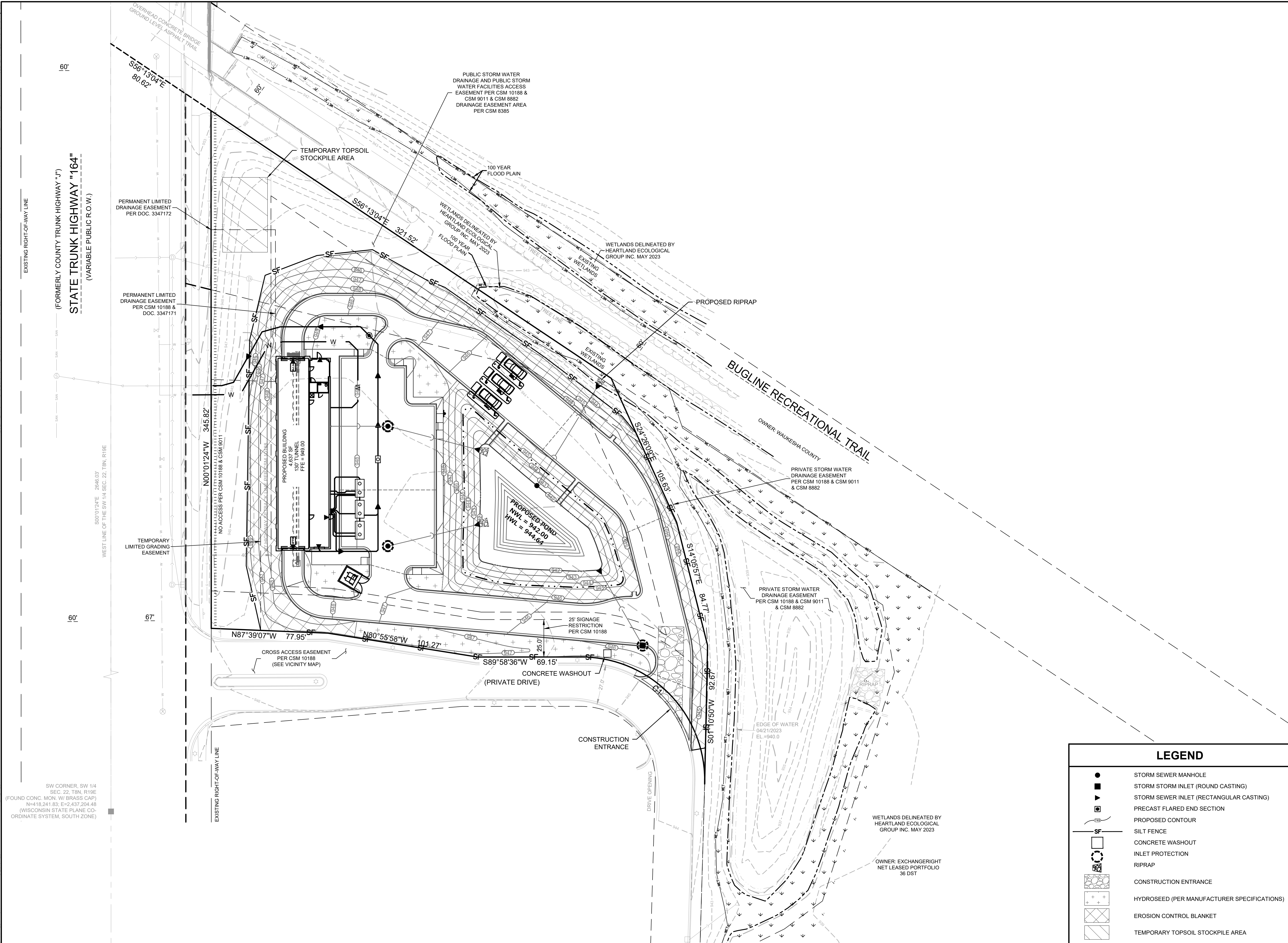
REVISIONS		REC JOB NO	3005.00-WI	MAC	START DATE	11/11/24	SCALE	1" = 30'	SHEET	C-5	9	C-9

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REVIEWED: _____

DESIGNED: _____

DRAFTED: RCH



GENERAL EROSION AND SEDIMENT CONTROL NOTES

- ALL CONSTRUCTION SHALL ADHERE TO THE REQUIREMENTS SET FORTH IN EPA'S NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER GENERAL PERMIT ("WPDES" PERMIT NO. WI-5067831-4) FOR CONSTRUCTION SITE LAND DISTURBANCE ACTIVITIES. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL TECHNICAL STANDARDS AND PROVISIONS IN EFFECT AT THE TIME OF CONSTRUCTION. THESE PROCEDURES AND STANDARDS SHALL BE REFERRED TO AS BEST MANAGEMENT PRACTICES (BMP'S). IT IS THE RESPONSIBILITY OF ALL CONTRACTORS ASSOCIATED WITH THE PROJECT TO OBTAIN A COPY OF, AND UNDERSTAND, THE BMP'S PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
- THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL CONTROL MEASURES AS DIRECTED BY OWNER/ENGINEER OR GOVERNING AGENCIES SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
- MODIFICATIONS TO THE APPROVED SWPPP IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS ARE ALLOWED IF MODIFICATIONS CONFORM TO BMP'S. ALL MODIFICATIONS MUST BE APPROVED BY OWNER/ENGINEER/GOVERNING AGENCY PRIOR TO DEVIATION OF THE APPROVED PLAN.
- INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE AND EXISTING INLET PROTECTION) PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE COVER, AS SHOWN ON PLAN IN ORDER TO PROTECT ADJACENT PROPERTIES/STORM SEWER SYSTEMS FROM SEDIMENT TRANSPORT.
- CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. CONTRACTOR IS RESPONSIBLE TO COORDINATE LOCATION(S) WITH THE PROPER AUTHORITIES, PROVIDE NECESSARY FEES AND OBTAIN ALL REQUIRED APPROVALS OR PERMITS. ADDITIONAL CONSTRUCTION ENTRANCES OTHER THAN AS SHOWN ON THE PLANS MUST BE APPROVED BY THE APPLICABLE GOVERNING AGENCIES PRIOR TO INSTALLATION.
- PAVED SURFACES ADJACENT TO CONSTRUCTION ENTRANCES SHALL BE SWEEPED AND/OR SCRAPPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST IMMEDIATELY AND AS REQUESTED BY THE GOVERNING AGENCIES.
- ALL EXISTING STORM SEWER FACILITIES THAT WILL COLLECT RUNOFF FROM DISTURBED AREAS SHALL BE PROTECTED TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLET OF ALL INSTALLED STORM SEWER AND SILT FENCE SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS. ALL INLETS, STRUCTURES, PIPES, AND SWALES SHALL BE KEPT CLEAN AND FREE OF SEDIMENTATION AND DEBRIS.
- EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, WATER MAIN, ETC.) OUTSIDE OF THE PERIMETER CONTROLS SHALL INCORPORATE THE FOLLOWING:
 - PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
 - BACKFILL, COMPACT AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
 - DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH BMP'S PRIOR TO RELEASE INTO STORM SEWER OR DITCHES.
- AT A MINIMUM, SEDIMENT BASINS AND NECESSARY TEMPORARY DRAINAGE PROVISIONS SHALL BE CONSTRUCTED AND OPERATIONAL BEFORE BEGINNING OF SIGNIFICANT MASS GRADING OPERATIONS TO PREVENT OFFSITE DISCHARGE OF UNTREATED RUNOFF.
- ALL WATERCOURSES AND WETLANDS SHALL BE PROTECTED WITH SILT FENCE TO PREVENT ANY DIRECT DISCHARGE FROM DISTURBED SOILS.
- ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION. THE OWNER WILL BE RESPONSIBLE IF EROSION CONTROL IS REQUIRED AFTER THE CONTRACTOR HAS COMPLETED THE PROJECT.
- TOPSOIL STOCKPILES SHALL HAVE A BERM OR TRENCH AROUND THE CIRCUMFERENCE AND PERIMETER SILT FENCE TO CONTROL SILT. IF TOPSOIL STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND STABILIZATION IS REQUIRED.
- EROSION CONTROL MEASURES TEMPORARILY REMOVED FOR UNAVOIDABLE CONSTRUCTION ACTIVITIES SHALL BE IN WORKING ORDER IMMEDIATELY FOLLOWING COMPLETION OF SUCH ACTIVITIES OR PRIOR TO THE COMPLETION OF EACH WORK DAY, WHICH EVER OCCURS FIRST.
- MAINTAIN SOIL EROSION CONTROL DEVICES THROUGH THE DURATION OF THIS PROJECT. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. DISTURBANCES ASSOCIATED WITH EROSION CONTROL REMOVAL SHALL BE IMMEDIATELY STABILIZED.
- PUMPS MAY BE USED AS BYPASS DEVICES. IN NO CASE SHALL PUMPED WATER BE DIVERTED OUTSIDE THE PROJECT LIMITS. PUMP DISCHARGE SHALL BE DIRECTED INTO AN APPROVED FILTER BAG OR APPROVED SETTLING DEVICE.
- GRADING EFFORTS SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. EROSION CONTROL MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY OR PERMANENT MEASURES. ALL DISTURBED AREAS THAT WILL NOT BE WORKED FOR A PERIOD OF FOURTEEN (14) DAYS REQUIRE TEMPORARY SEEDING FOR EROSION CONTROL. SEEDING FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH TECHNICAL STANDARDS.
- ALL DISTURBED SLOPES EXCEEDING 4:1, SHALL BE STABILIZED WITH NORTH AMERICAN GREEN S75BN EROSION MATTING (OR APPROVED EQUAL) AND ALL CHANNELS SHALL BE STABILIZED WITH NORTH AMERICAN GREEN C125BN (OR APPROVED EQUAL) OR APPLICATION OF AN APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED. EROSION MATTING AND/OR NETTING USED ONSITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES.
- DURING PERIODS OF EXTENDED DRY WEATHER, THE CONTRACTOR SHALL KEEP A WATER TRUCK ON SITE FOR THE PURPOSE OF WATERING DOWN SOILS WHICH MAY OTHERWISE BECOME AIRBORNE. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING WIND EROSION (DUST) DURING CONSTRUCTION AT HIS/HER EXPENSE.
- DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE VISUALLY INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM ON A DAILY BASIS.
- QUALIFIED PERSONNEL (PROVIDED BY THE GENERAL/PRIME CONTRACTOR) SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED AND EROSION AND SEDIMENT CONTROLS WITHIN 24 HOURS OF ALL 0.5-INCH, OR MORE, PRECIPITATION EVENTS WITH A MINIMUM INSPECTION INTERVAL OF ONCE EVERY SEVEN (7) CALENDAR DAYS IN THE ABSENCE OF A QUALIFYING RAIN OR SNOWFALL EVENT. REPORTING SHALL BE IN ACCORDANCE WITH OF THE GENERAL PERMIT. CONTRACTOR SHALL IMMEDIATELY ARRANGE TO HAVE ANY DEFICIENT ITEMS REVEALED DURING INSPECTIONS REPAIRED/REPLACED.
- SEE ADDITIONAL DETAILS AND NOTES ON SITE STABILIZATION AND CONSTRUCTION DETAILS.

LEGEND

- STORM SEWER MANHOLE
- STORM STORM INLET (ROUND CASTING)
- ▼ STORM SEWER INLET (RECTANGULAR CASTING)
- ▬ PRECAST FLARED END SECTION
- PROPOSED CONTOUR
- SILT FENCE
- CONCRETE WASHOUT
- INLET PROTECTION
- RIPRAP
- CONSTRUCTION ENTRANCE
- HYDROSEED (PER MANUFACTURER SPECIFICATIONS)
- EROSION CONTROL BLANKET
- TEMPORARY TOPSOIL STOCKPILE AREA

SW CORNER, SW 1/4
SEC. 22, T3N, R19E
(FOUND CONC. MON. W/ BRASS CAP)
N=418,241.83; E=2,437,204.48
(WISCONSIN STATE PLANE CO-
ORDINATE SYSTEM, SOUTH ZONE)

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EROSION CONTROL PLAN

REVISIONS

—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—

REG JOB #3005.00-WI
REG PM
START DATE 11/17/24
SCALE 1" = 30'

SHEET
C-6
OF
C-9

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EROSION CONTROL PLAN

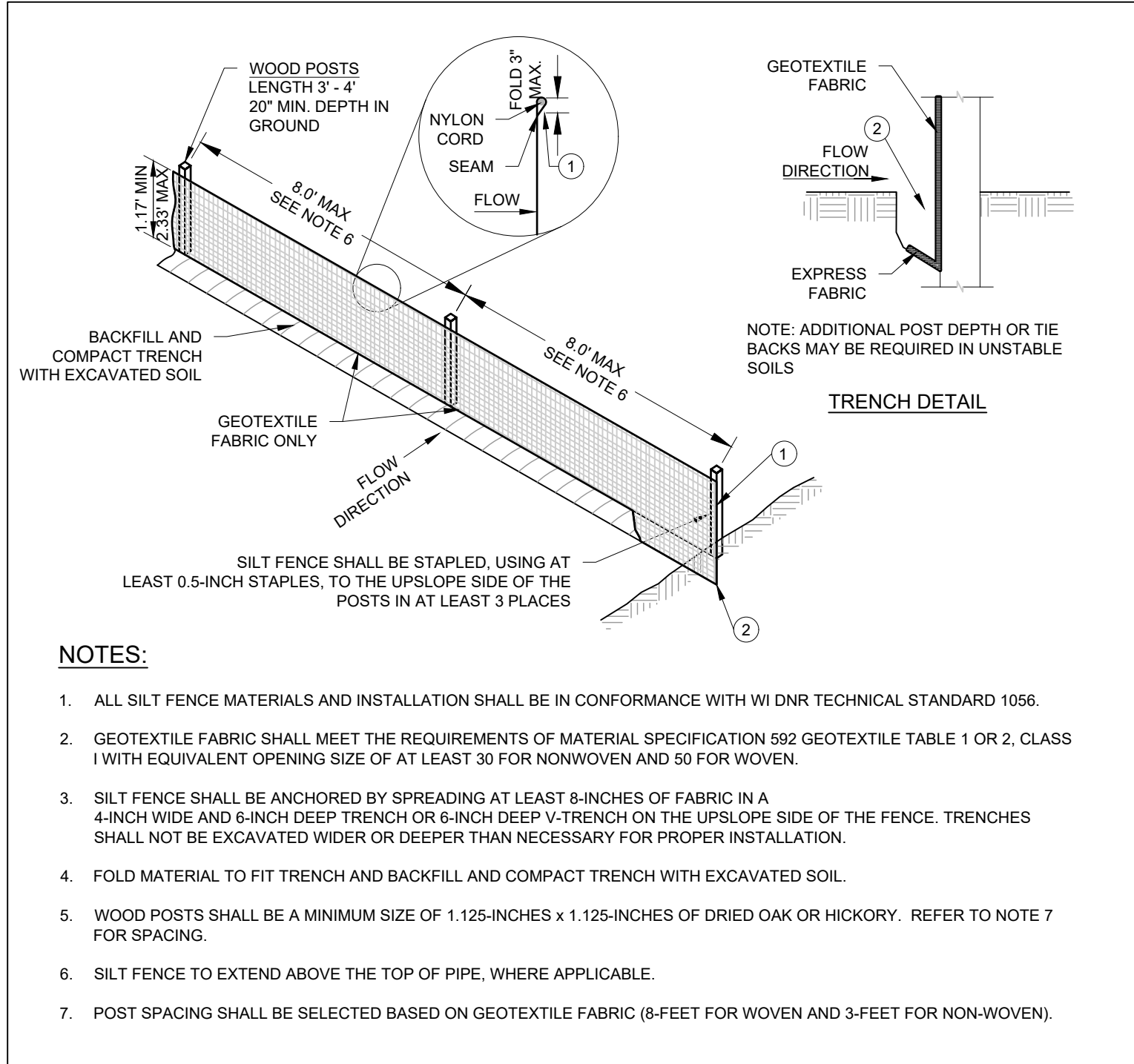
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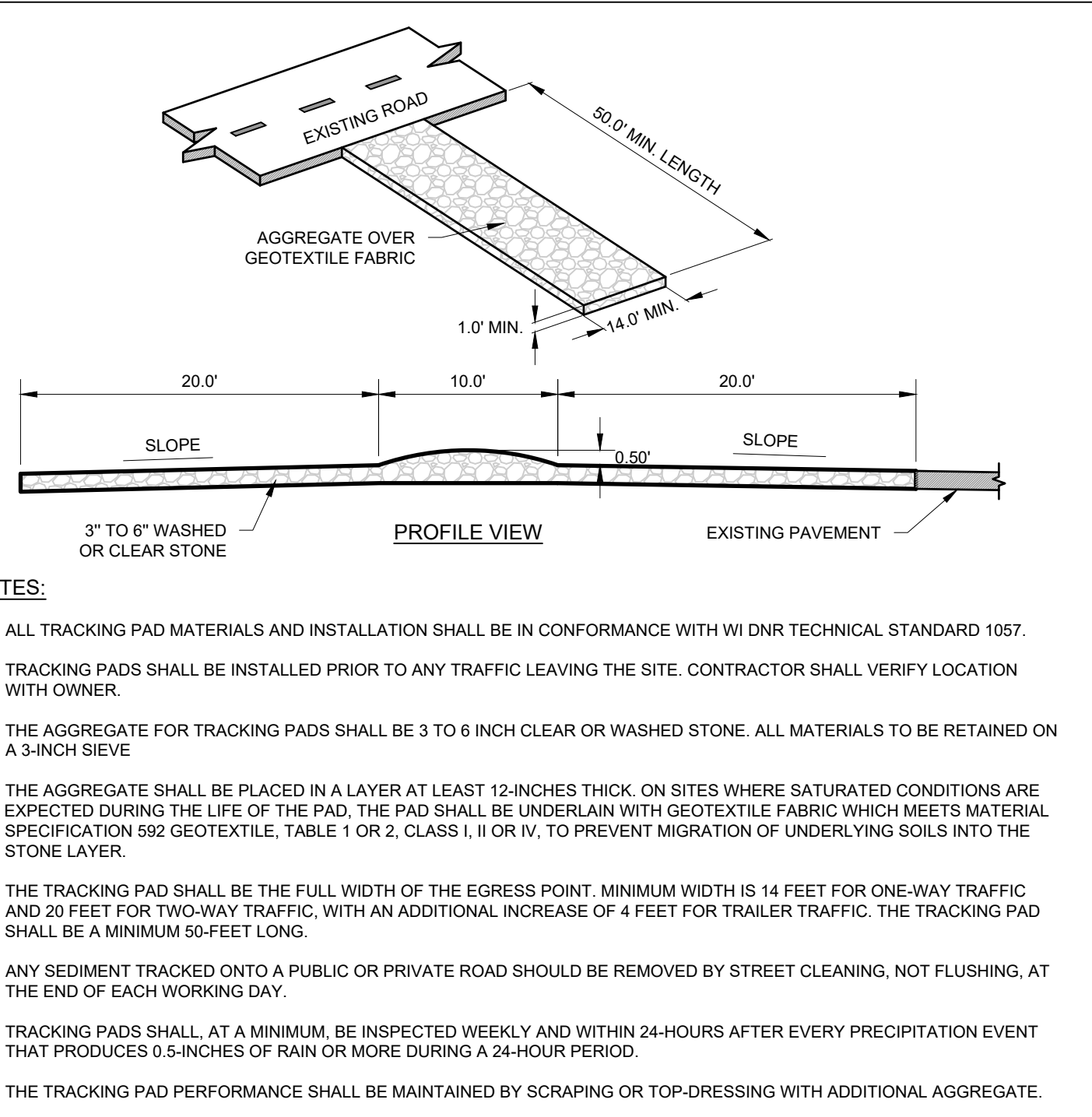
DESIGNED:

DRAWN: RCH



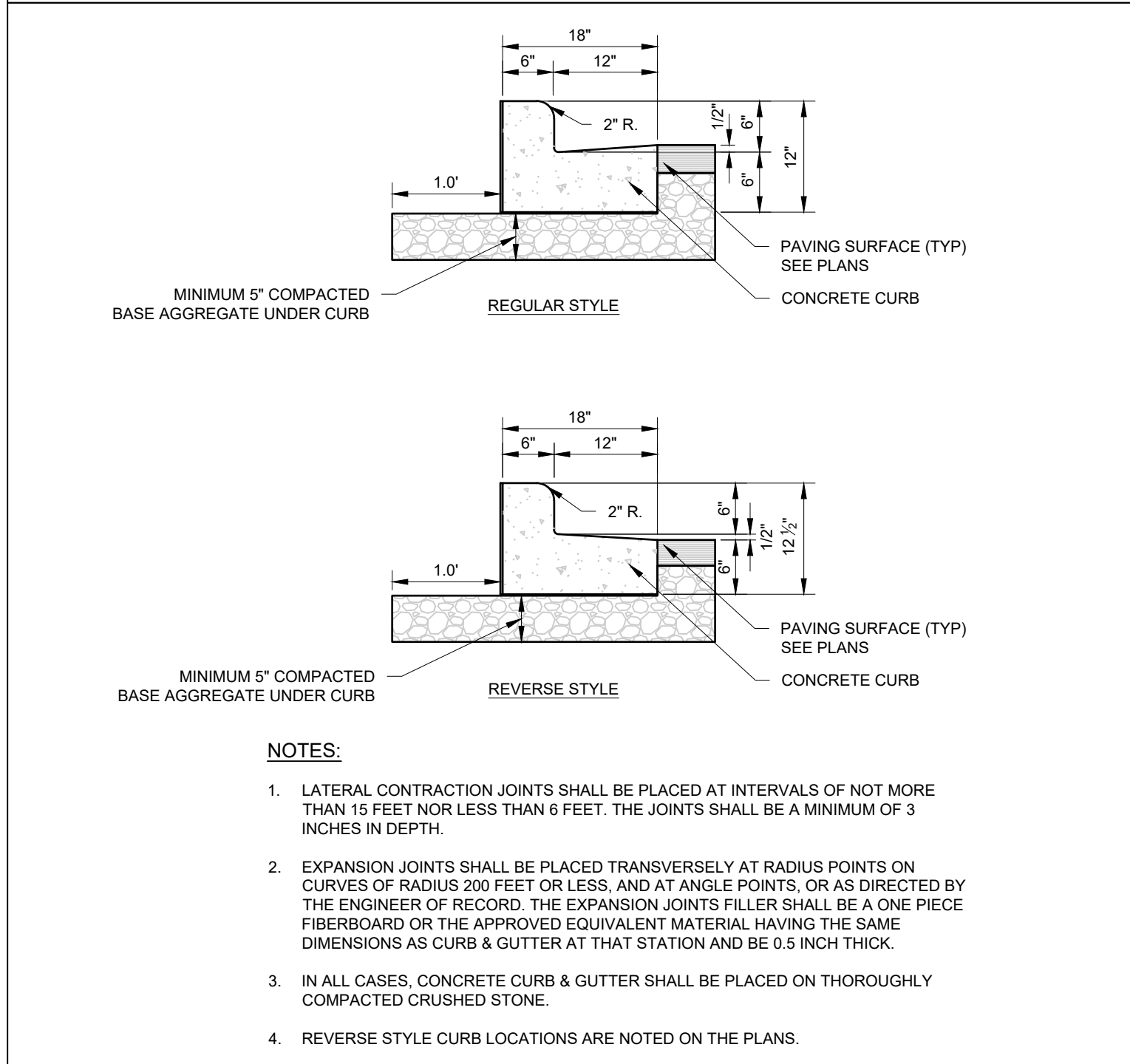
SILT FENCE

#103-C 07-31-13



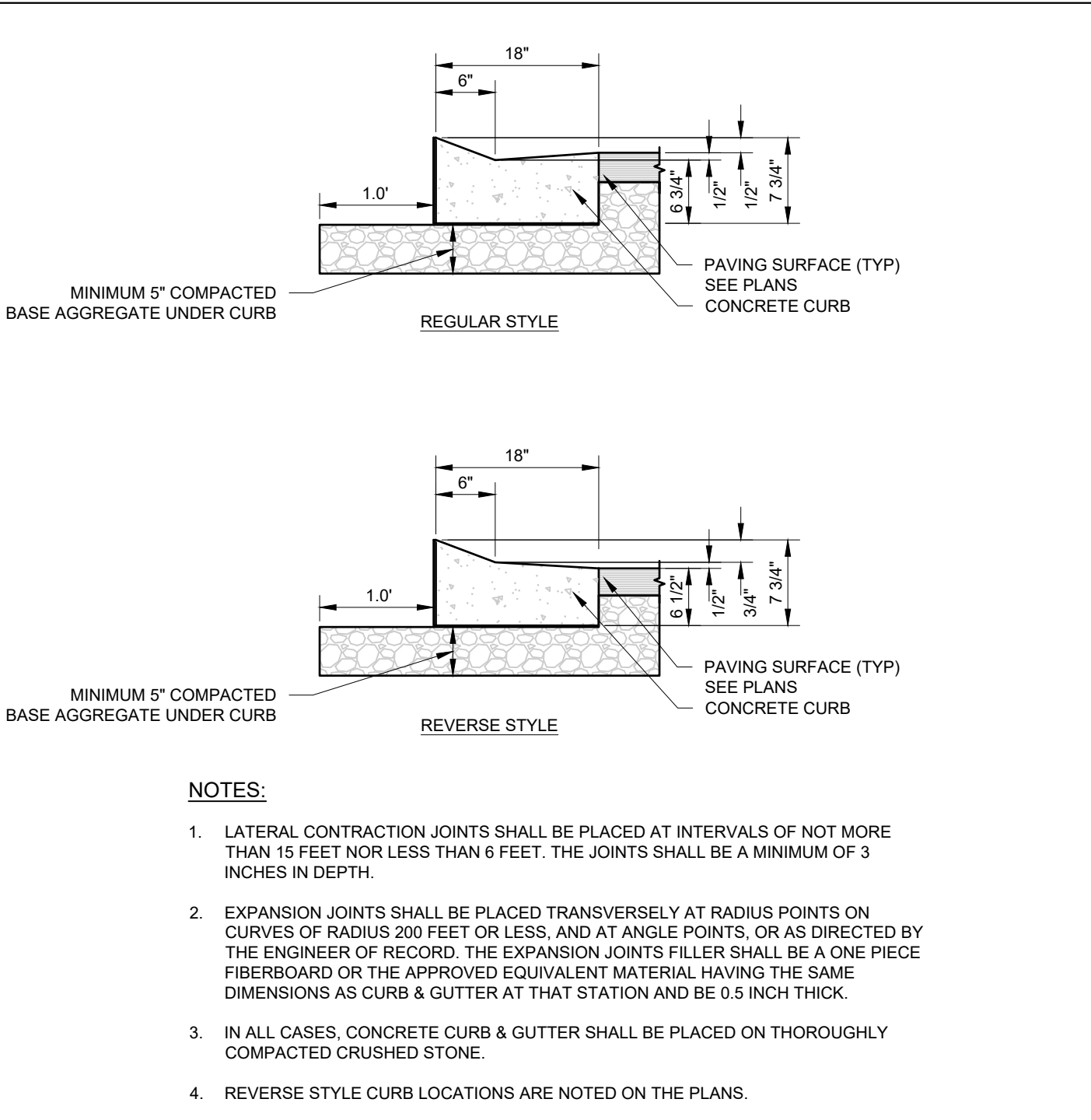
CONSTRUCTION ENTRANCE

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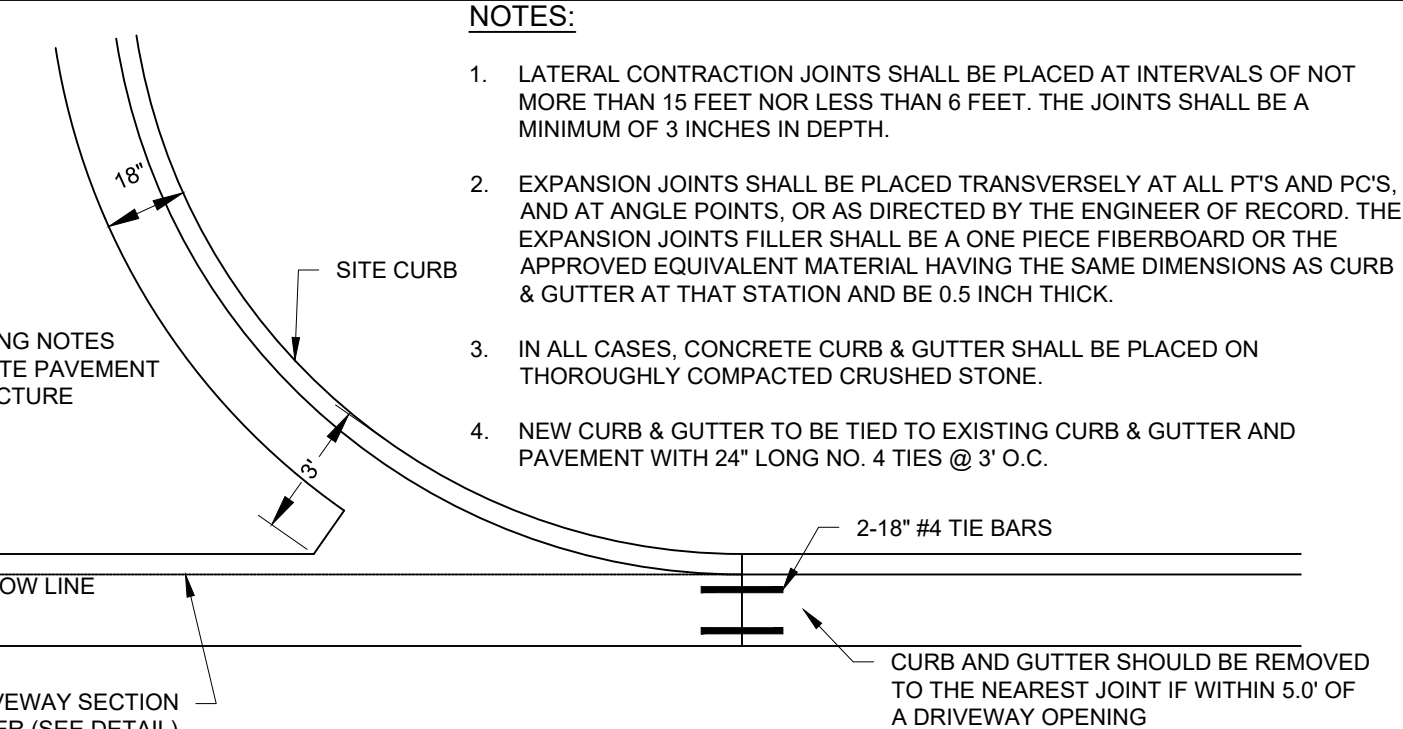
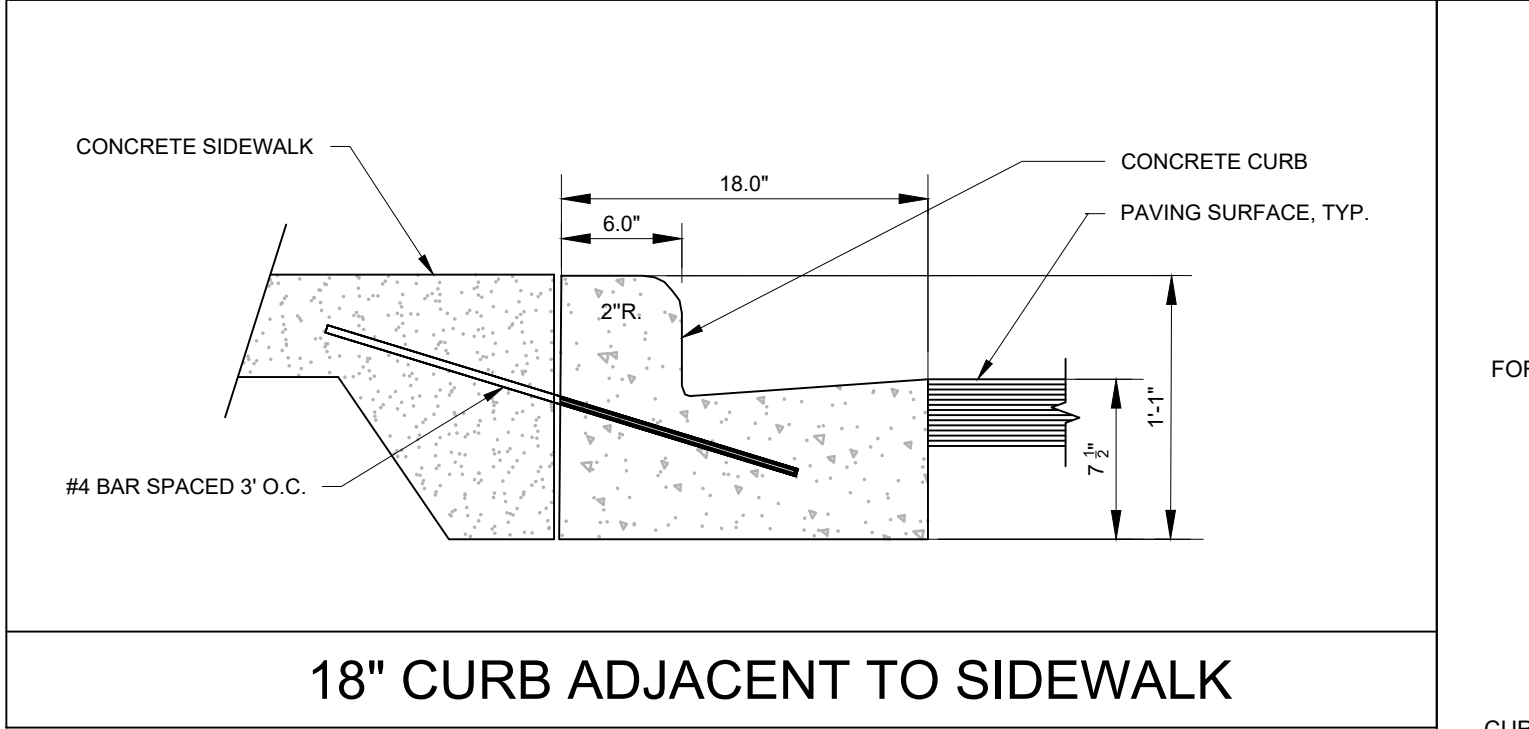
18" VERTICAL FACE CURB

#610-301 02-07-11

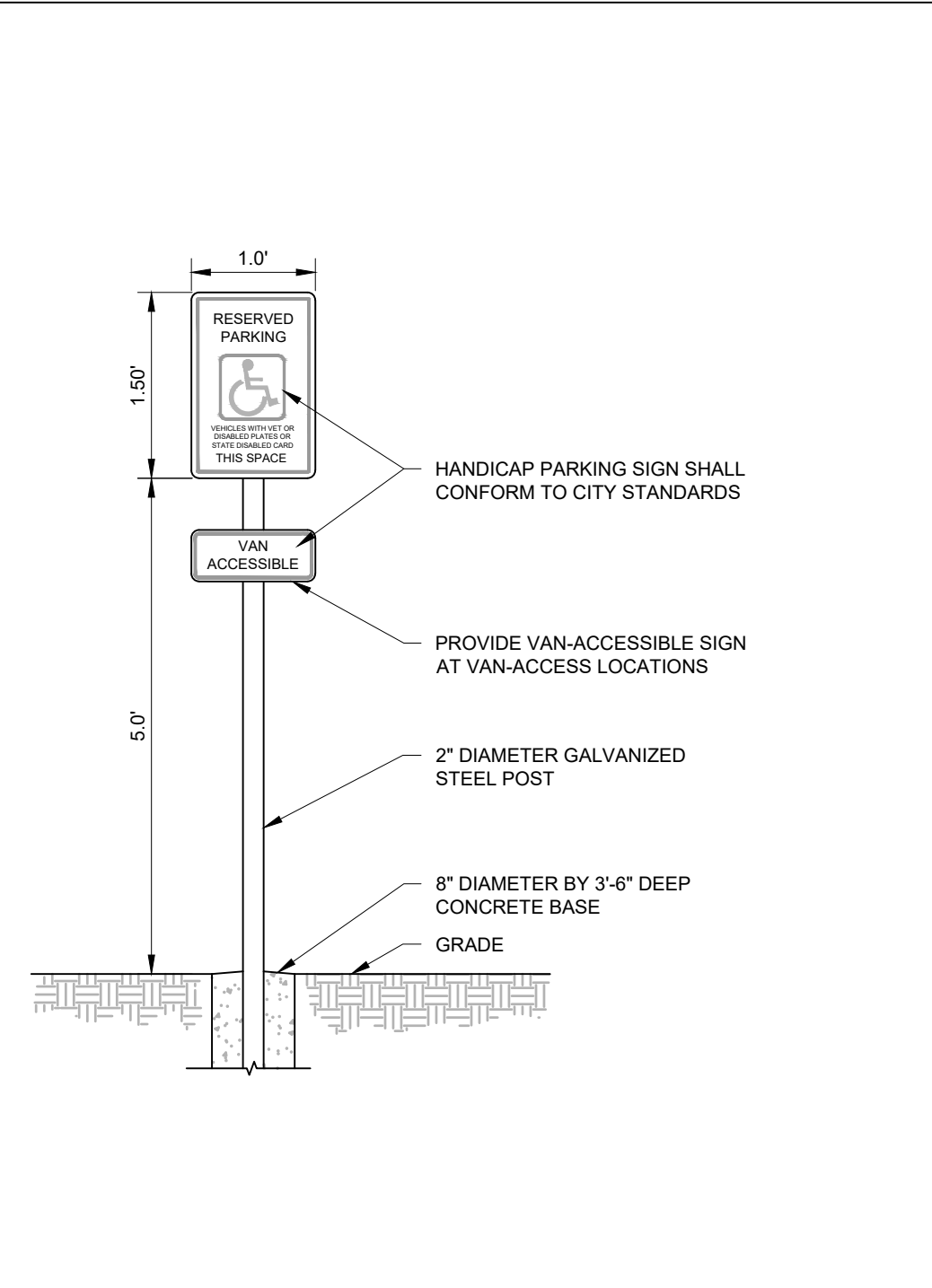


18" DEPRESSED CURB

#610-301 12-14-11

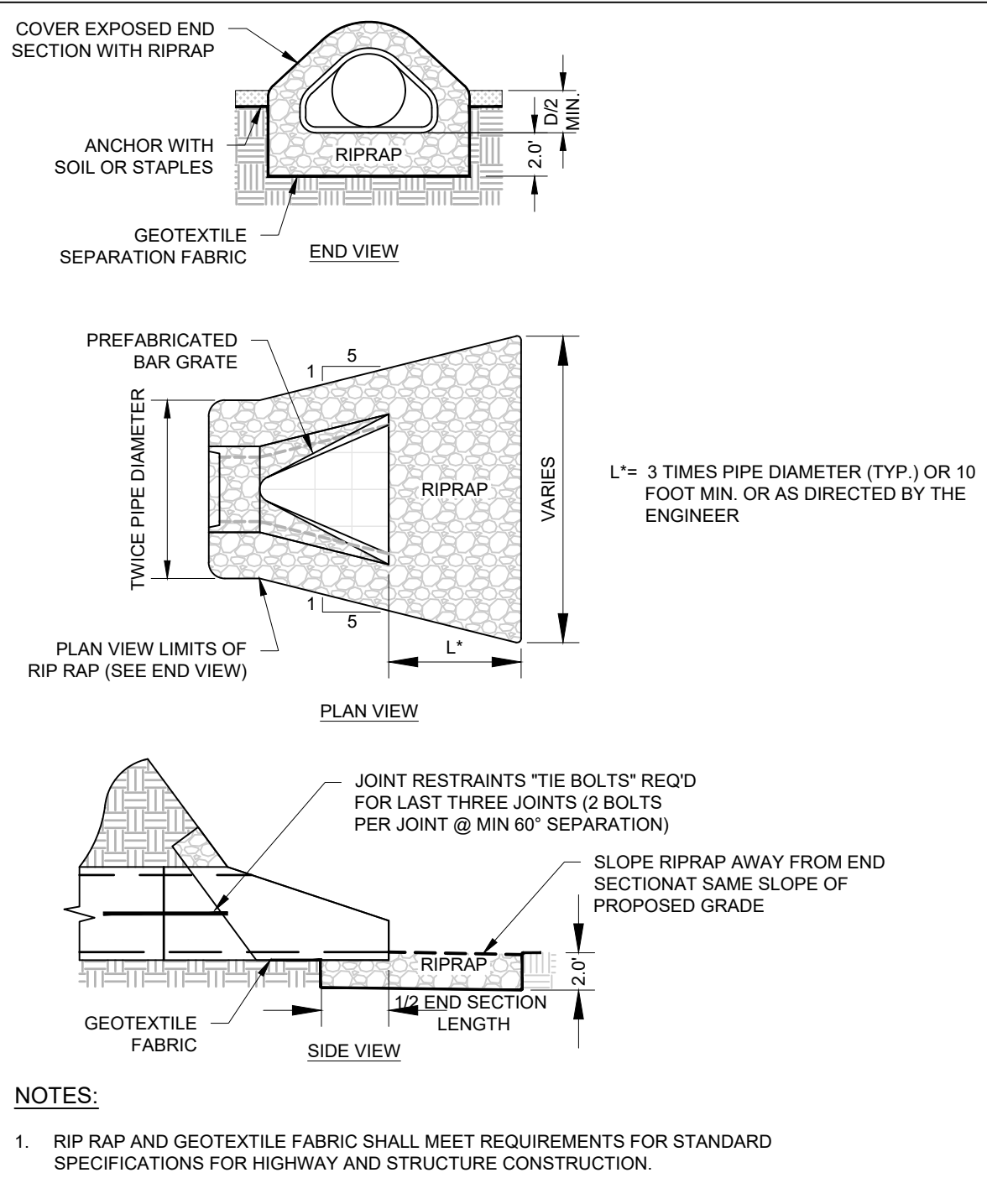


#613 2/20/14



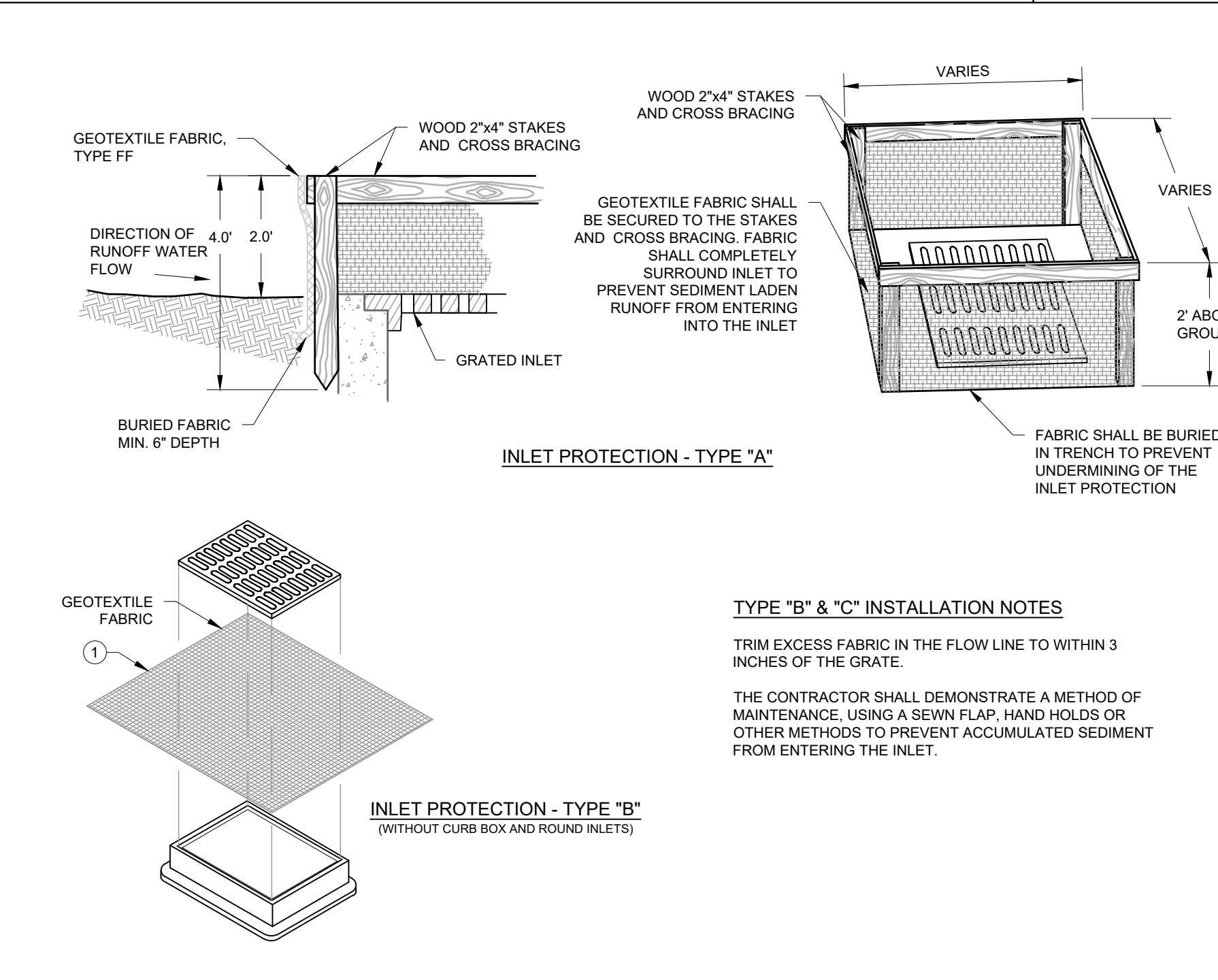
ADA SIGN

#708 10-11-12

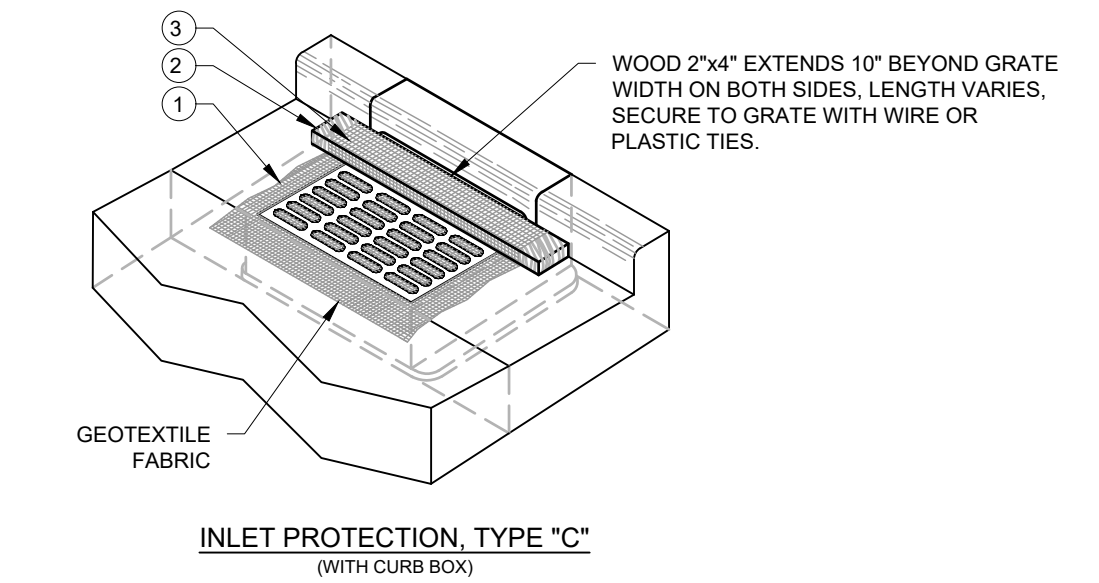


RIP RAP AT END SECTIONS

#124 10/20/12

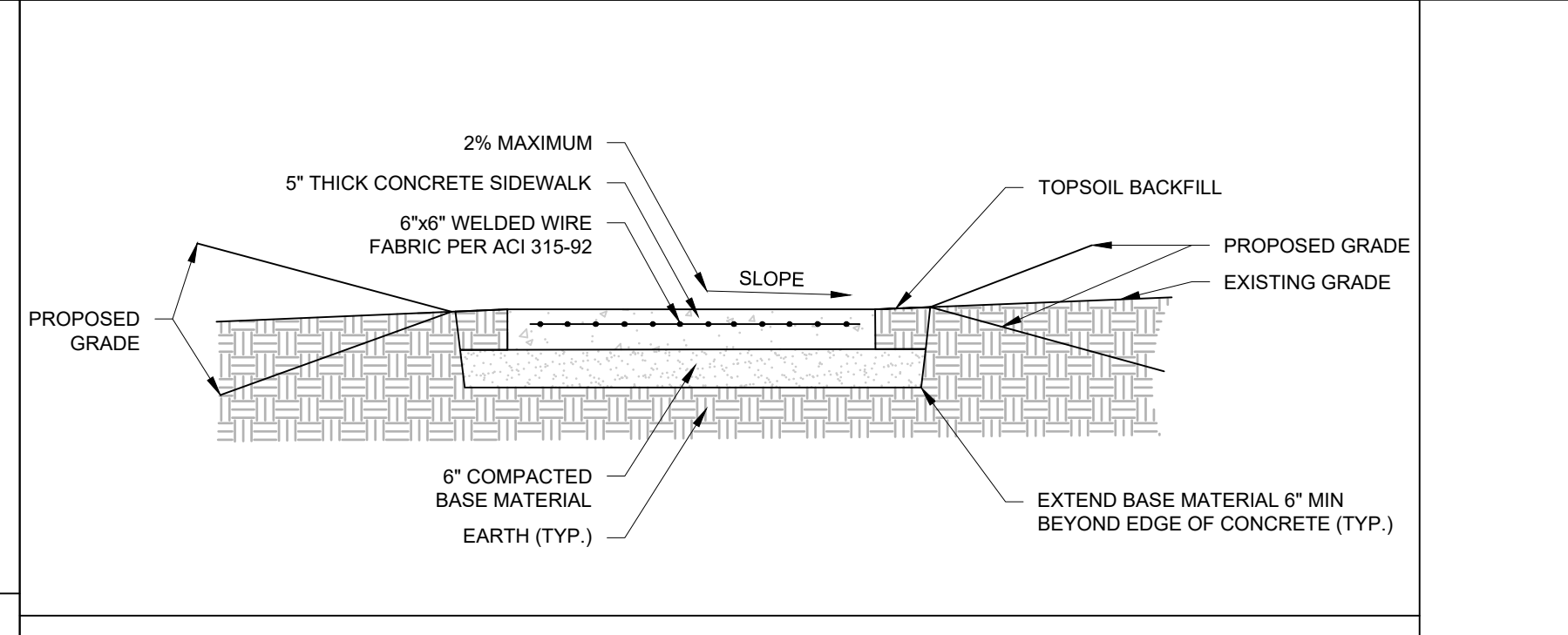
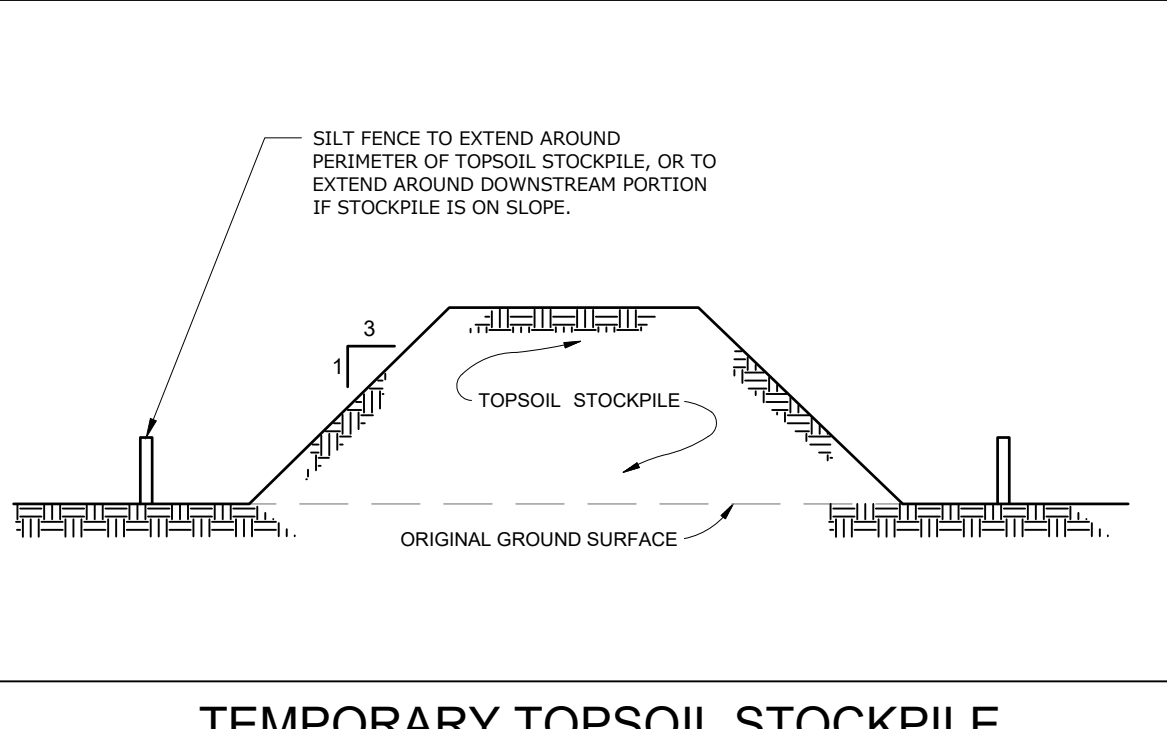


- NOTES:**
- GEOTEXTILE FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS I, WITH AN EOS OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN.
 - WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.
- ① FINISHED SIZE, INCLUDING FLAP POCKET WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10 INCHES AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- ② FOR INLET PROTECTION, TYPE "C" (WITH CURB BOX), AN ADDITIONAL 18 INCHES 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.

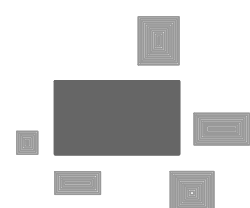


INLET PROTECTION

#108 01-24-13



#507 10-11-12



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CONSTRUCTION DETAILS

REVISIONS

PEG JOB NO. 3005.00-WI
MAC
PEG PM
START DATE 11/1/24
SCALE N.T.S.

SHEET
C-7
of
C-9

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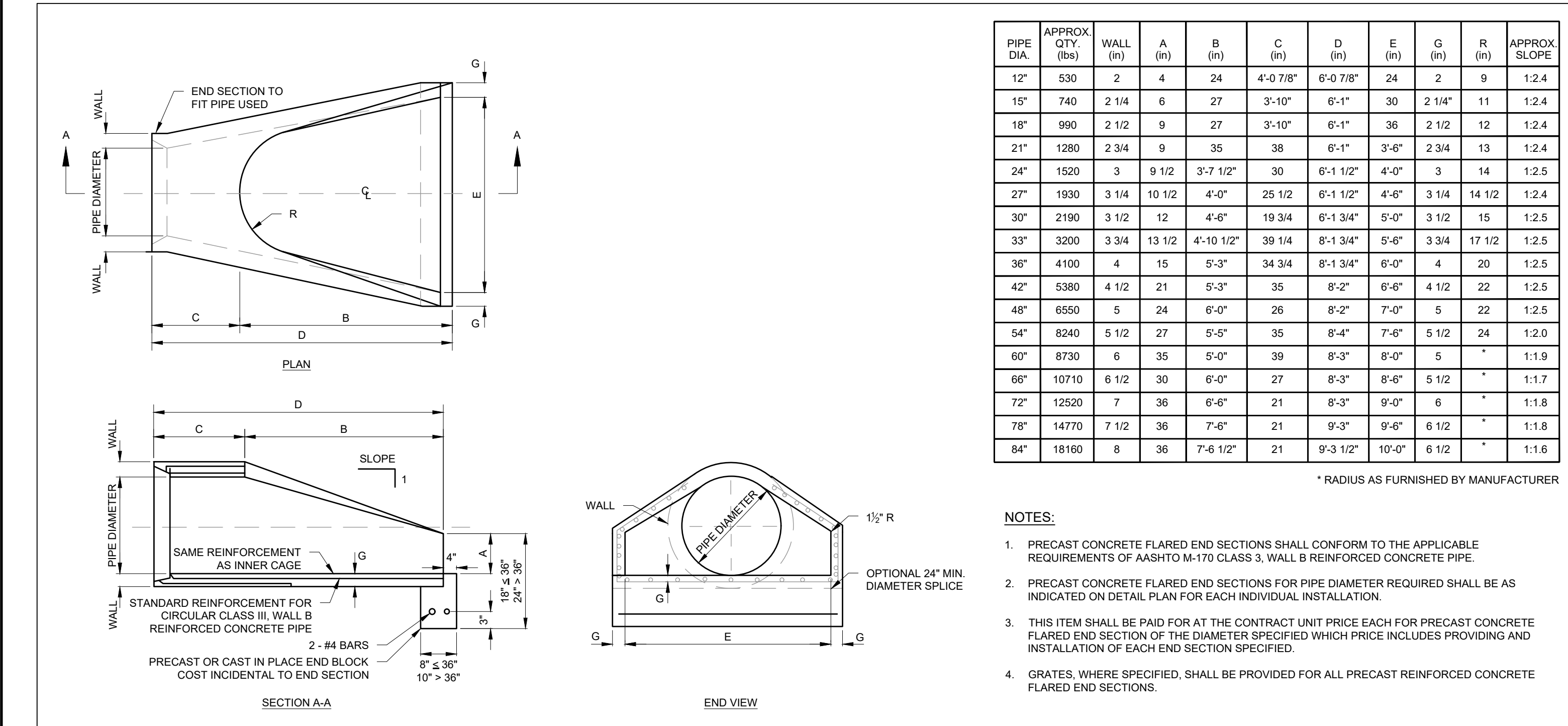
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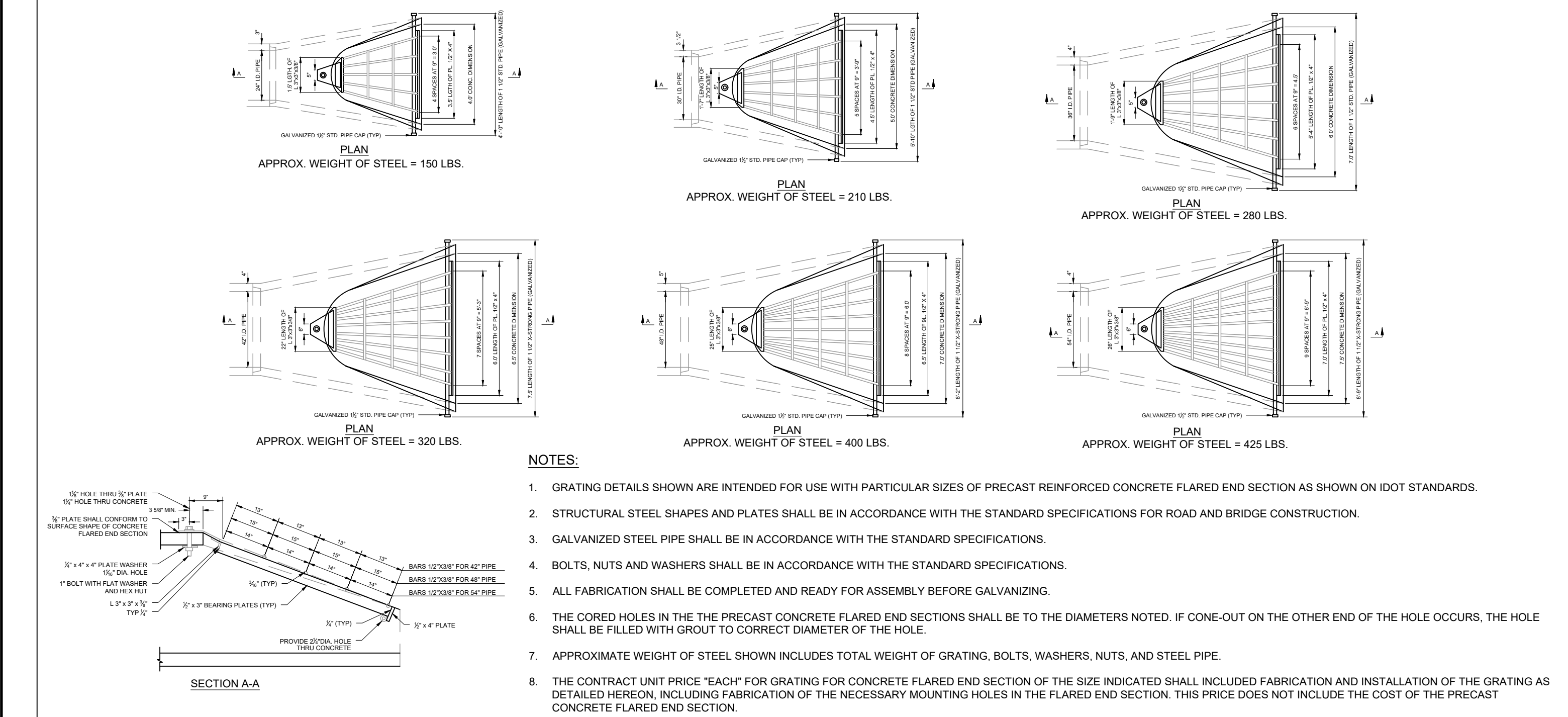
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DRAWN: RCH



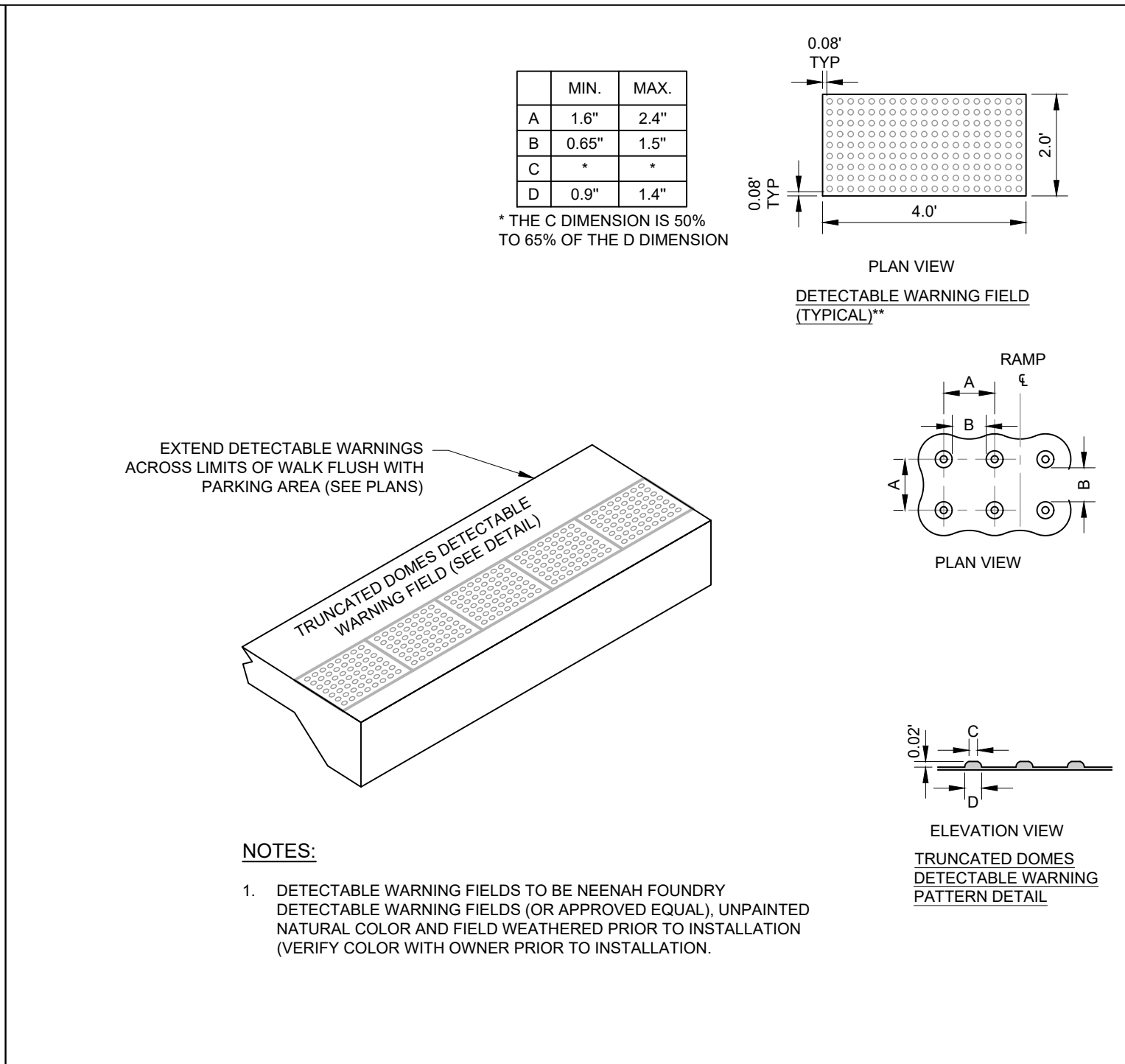
PRECAST FLARED END SECTIONS

#312-A 6/18/13



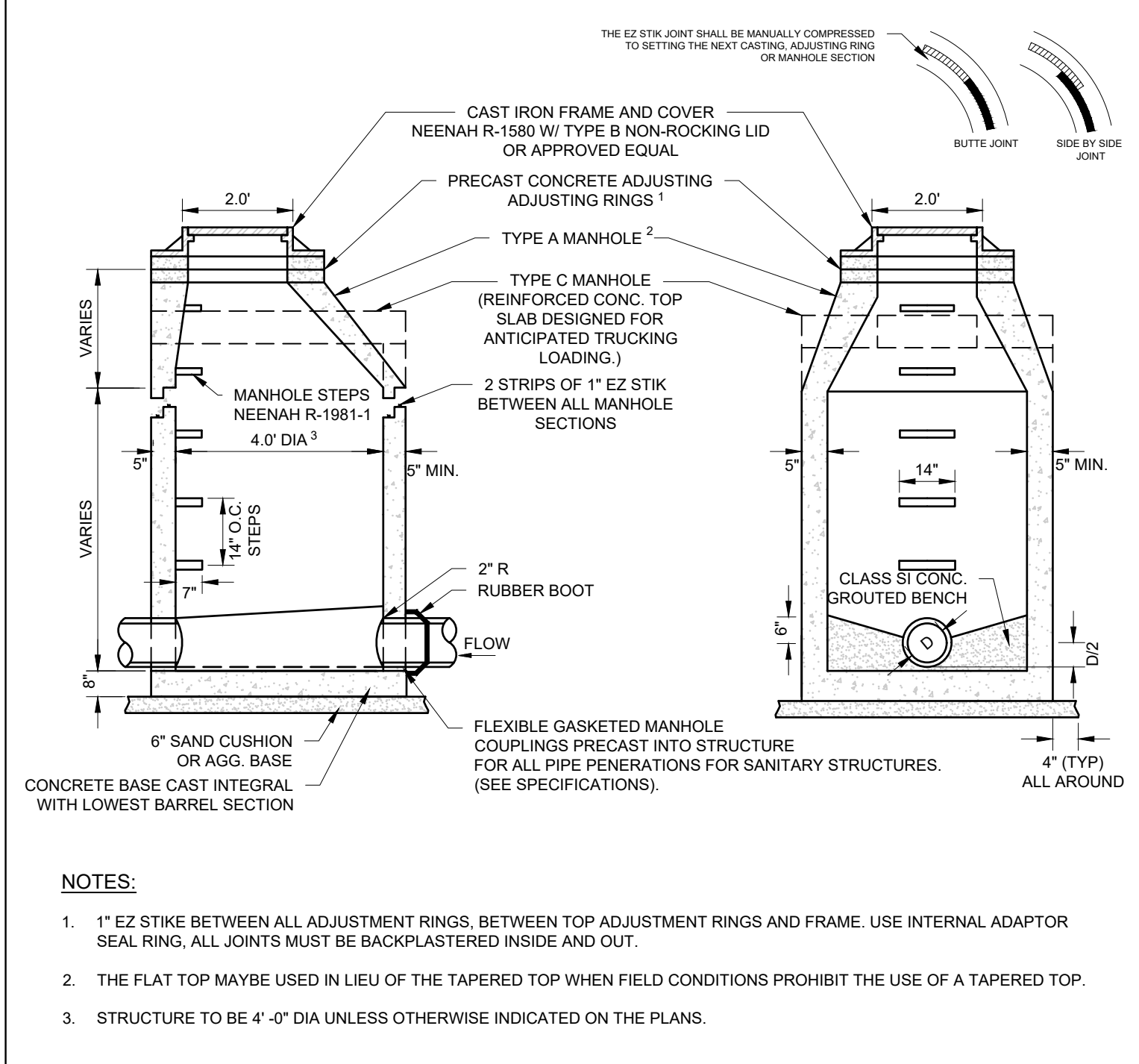
FLARED END SECTION GRATES

#313 6/18/13



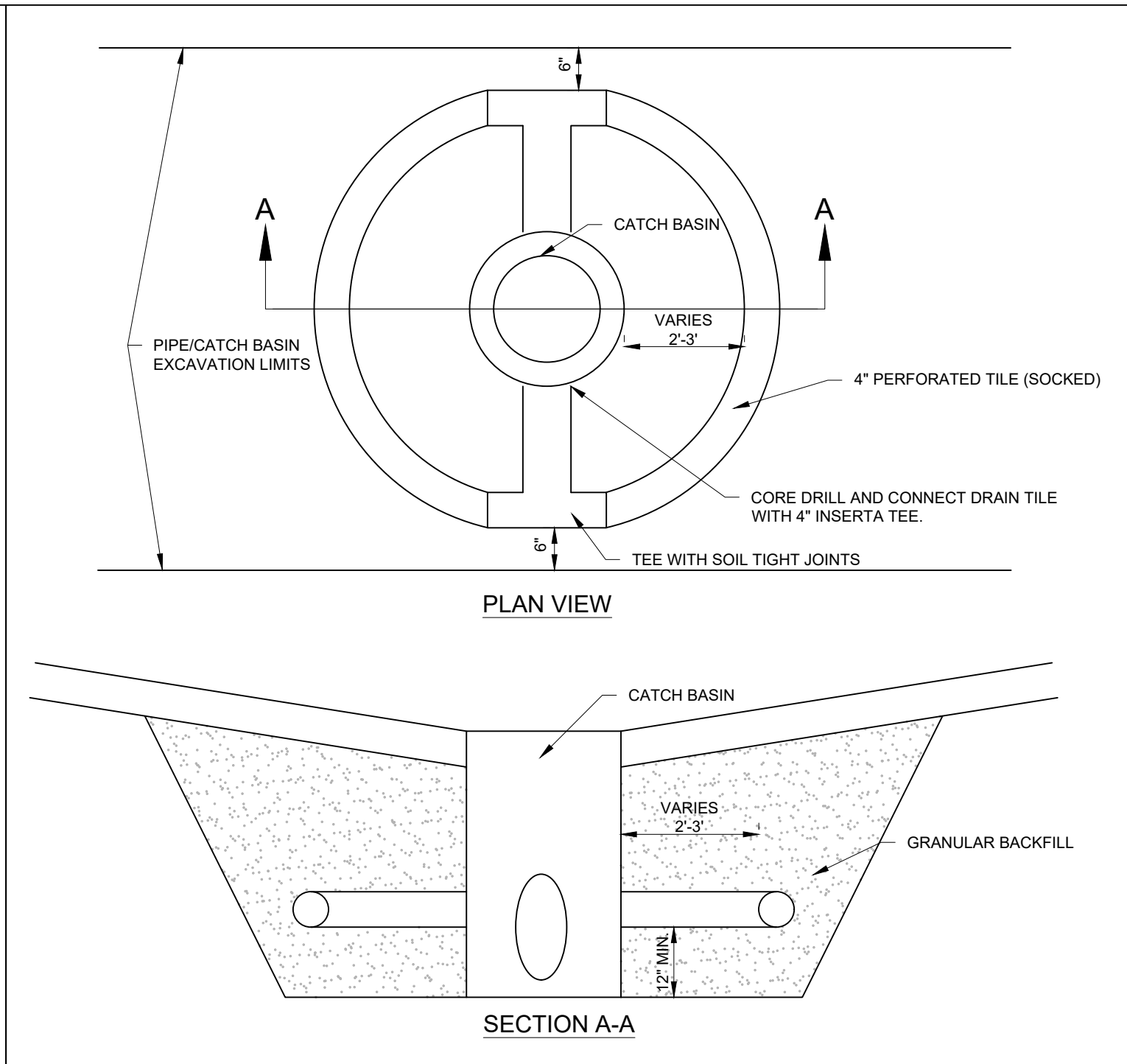
DETECTABLE WARNING TRUNCATED DOMES

#705 4/28/13



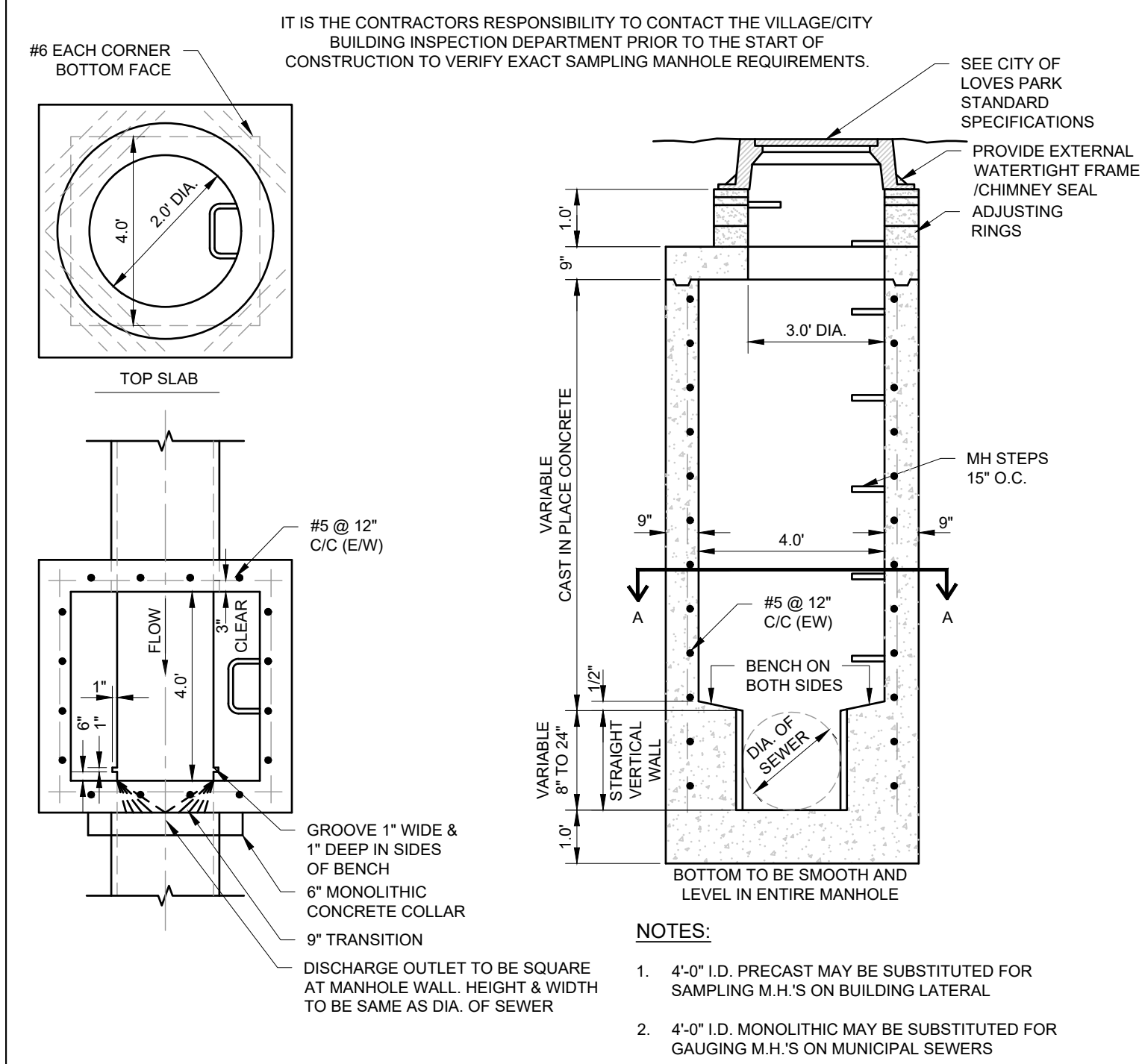
SANITARY MANHOLE

#400 10-10-12



CATCH BASIN - UNDERDRAIN

DETAIL NUMBER AND REVISION DATA



SAMPLING AND GAUGING MANHOLE

#403 01/28/13

CONSTRUCTION DETAILS

REVISIONS

1					
2					
3					
4					
5					

REG JOB NO. 3005.00-WI

MAC

START DATE 11/1/24

SCALE N.T.S.

SHEET

C-8

C-9

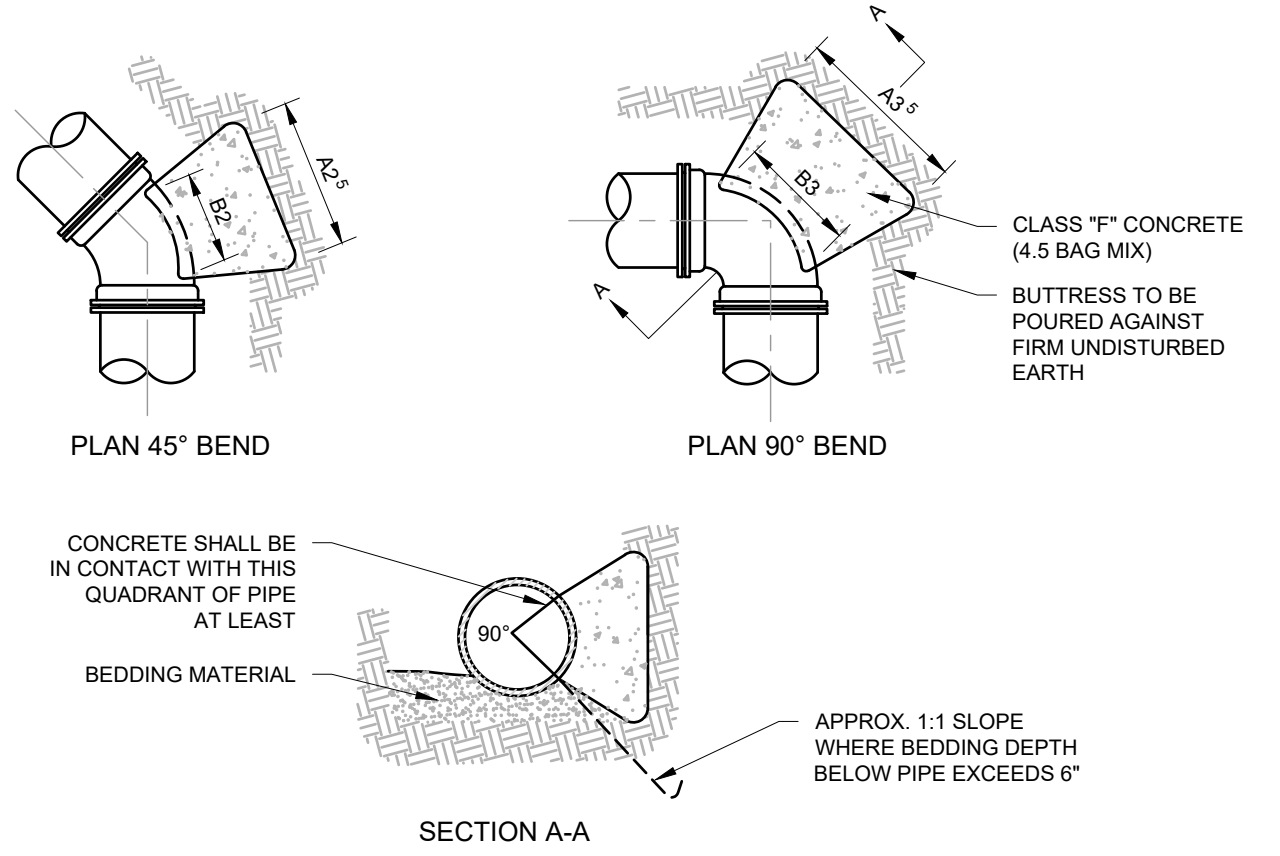
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DESIGNED: RCH

DRAFTED: RCH

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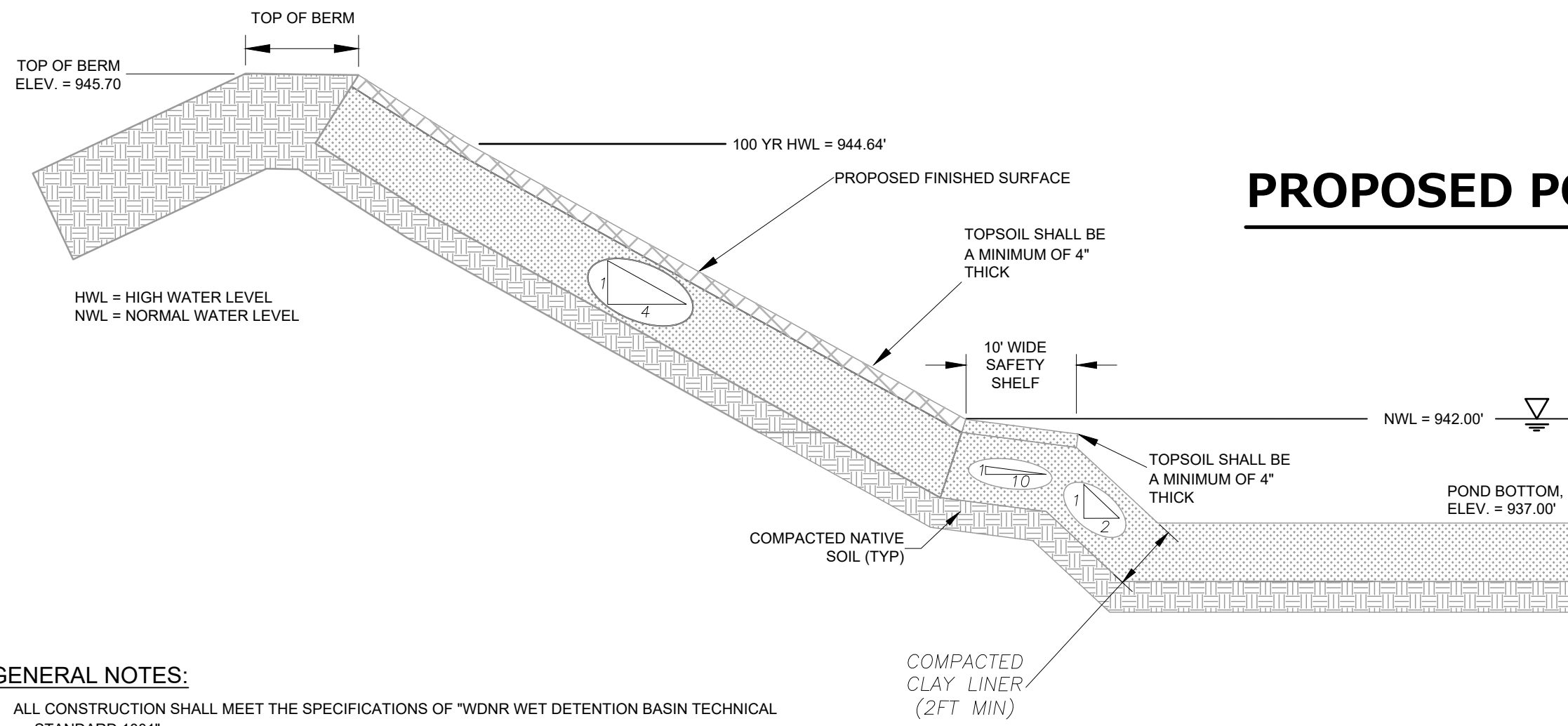


PIPE SIZE	22 1/2° BENDS		45° BENDS		90° BENDS	
	A1	B1	A2	B2	A3	B3
6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-4"	1'-2"
8"	1'-0"	1'-0"	1'-4"	1'-2"	1'-10"	1'-8"
12"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"	2'-3"
16"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"
20"	2'-4"	2'-0"	3'-3"	2'-10"	5'-0"	3'-4"
24"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	3'-10"
30"	3'-6"	3'-0"	5'-4"	3'-10"	8'-0"	4'-8"

- NOTES:
1. PROVIDE THRUST BLOCKING TO PREVENT MOVEMENT OF LINES UNDER PRESSURE AT BENDS, TEES, CAPS, VALVES, HYDRANTS, AND AT POINTS SPECIFIED BY THE ENGINEER
 2. ALL BLOCKING SHALL BE WITH POURED CLASS SI CONCRETE AGAINST UNDISTURBED VERTICAL EARTH SURFACE
 3. THRUST BLOCKS TO BE AT ALL BENDS 1 1/4" OR GREATER
 4. THE COST OF INSTALLING THE THRUST BLOCK SHALL BE INCIDENTAL TO THE CONSTRUCTION OF THE WATER
 5. DIMENSION A2 & A3 SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH M.J BOLTS

THRUST BLOCK

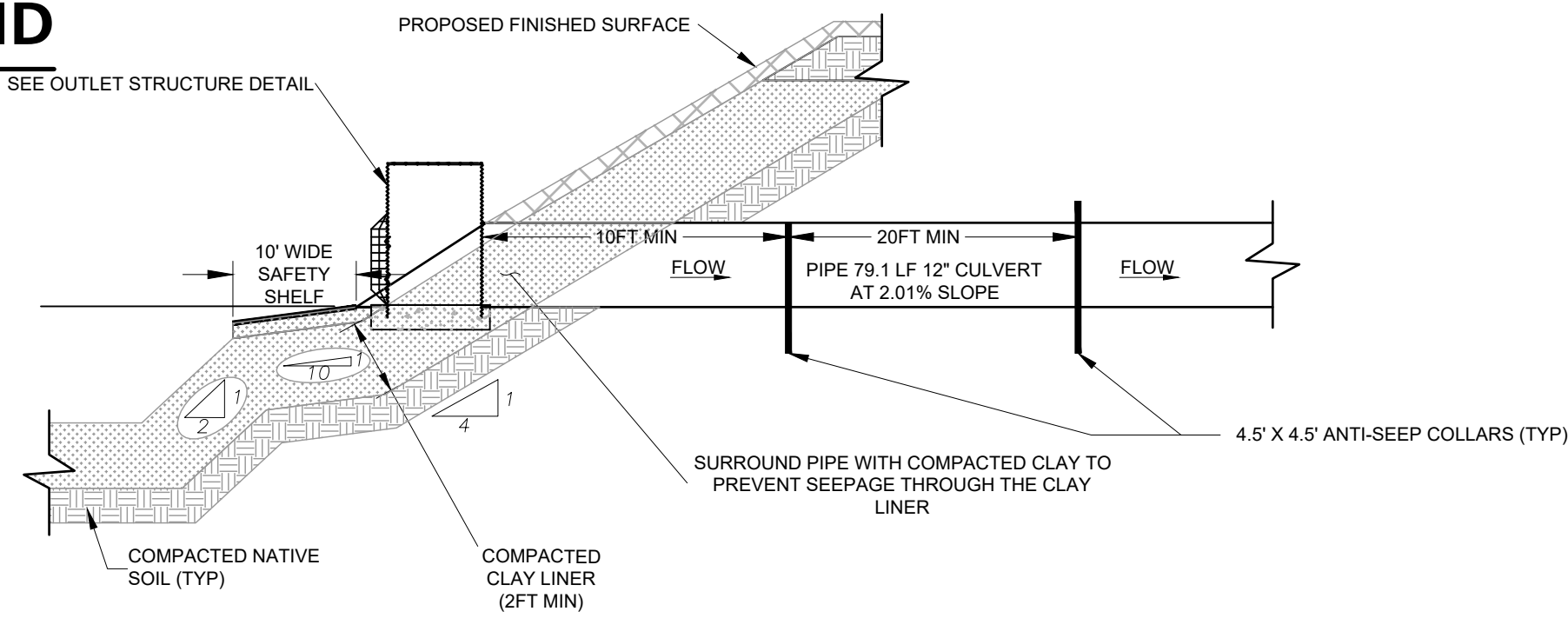
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GENERAL NOTES:

1. ALL CONSTRUCTION SHALL MEET THE SPECIFICATIONS OF "WDNR WET DETENTION BASIN TECHNICAL STANDARD 1001".
2. ALL WORK TO BE CONDUCTED IN CONFORMANCE WITH THE STORM WATER MANAGEMENT PLAN FOR THE PROJECT SITE AS APPROVED BY THE REGULATORY ENGINEER OF RECORD.
3. RCP PIPING & INSTALLATION WITHIN THE BASIN SHALL BE IN ACCORDANCE WITH (ASTM C-76/C443) WITH RUBBER GASKETS.
4. OWNER OR CONTRACTOR MUST CONSULT LANDSCAPE ARCHITECT OR ECOLOGICAL PLANNING AGENCY FOR APPROPRIATE PLANTS AND PLANTING CONFIGURATIONS.
5. CLAY LINER SHALL BE A MINIMUM OF 2-FEET THICK. CLAY SHALL BE COMPACTED AT ±2.0% OPTIMAL MOISTURE CONTENT TO 90% MODIFIED PROCTOR. MEDIUM STIFF TO STIFF CLAYS PRESENT IN-PLACE AT THE POND SIDE SLOPES OR OTHER ON-SITE MEDIUM STIFF TO STIFF CLAYS MAY BE USED AT THE DISCRETION OF THE GEOTECHNICAL ENGINEER OF RECORD.
6. FOR CONSTRUCTED EMBANKMENTS WHERE THE PERMANENT POOL IS PONDED 3-FEET OR MORE AGAINST THE EMBANKMENT, THERE SHALL BE A CORE TRENCH OR KEYWAY ALONG THE CENTERLINE OF THE EMBANKMENT UP TO THE PERMANENT POOL ELEVATION. THE CORE TRENCH OR KEYWAY SHALL BE A MINIMUM OF 2-FEET DEEP AND 8-FEET WIDE WITH A SIDE SLOPE OF 1:1 OR FLATTER.

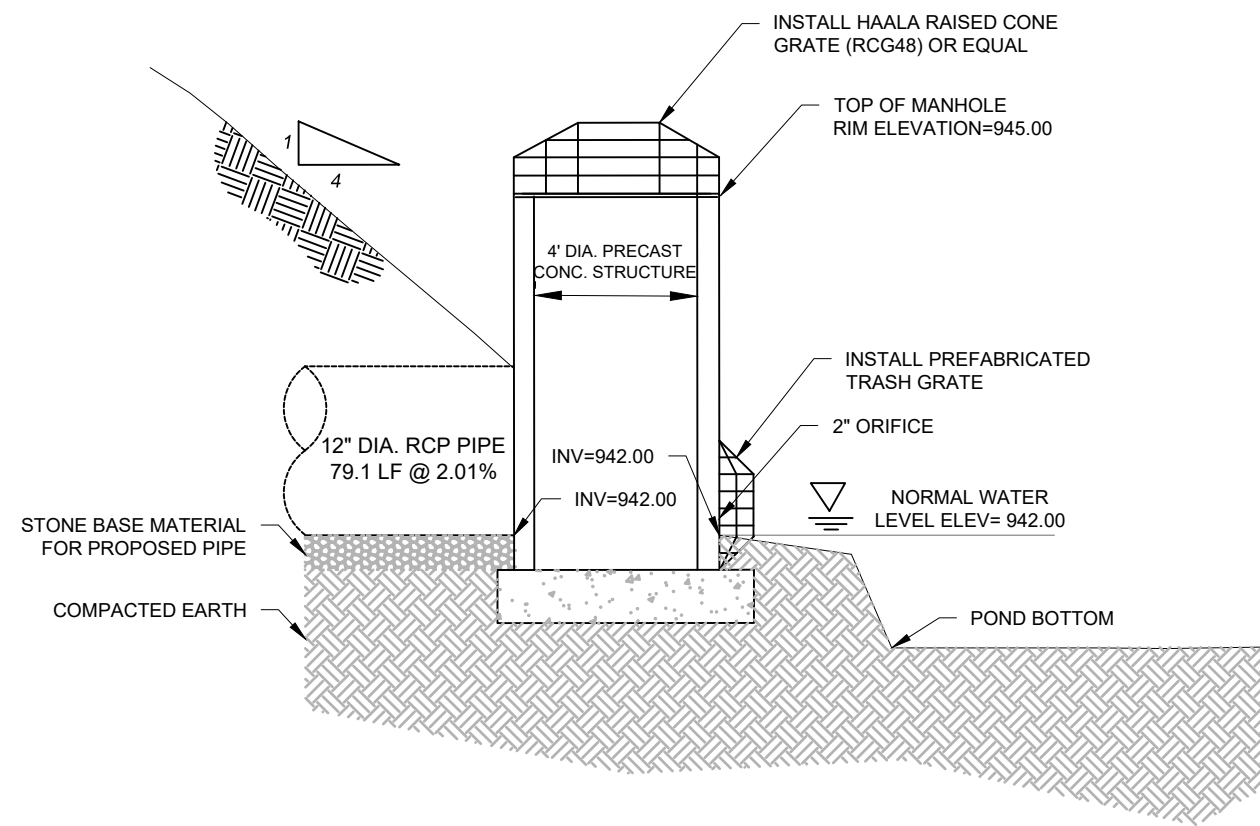
PROPOSED POND CROSS SECTION
NTS



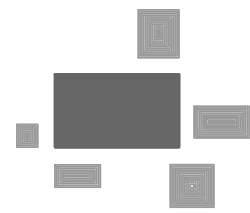
NOTES:

1. CONTRACTOR SHALL POSITION ANTI-SEEP COLLAR SUCH THAT THE COLLARS ARE COMPLETELY CONTAINED WITHIN EMBANKMENT.
2. INSTALL FILTER FABRIC OVER CONSTRUCTION ORIFICE TO PREVENT SEDIMENT DEPOSITION IN THE POND OUTLET PIPE.

PROPOSED POND OUTLET PIPE
NTS



PROPOSED POND OCS 7.0
NTS



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CHICAGO | MILWAUKEE | NATIONWIDE

BUBBLES FOAM FARM

N65 W24838 MAIN ST (STH 164) SUSSEX, WI

CONSTRUCTION DETAILS

REVISIONS

REG JOB NO: 3005.00-WI
MAC
START DATE: 11/11/24
SCALE: N.T.S.

SHEET
C-9
OF
C-9

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CONSTRUCTION DETAILS

FOR REVIEW ONLY

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- NOTES:
- Customers are responsible for confirming mounting heights, fixture suspension types/ lengths, color temperature, CRI, linear fixture lengths, pole lengths, and bollard heights/ lengths prior to ordering.

Mounting height (MH) is measured from the bottom of the fixture to the floor.

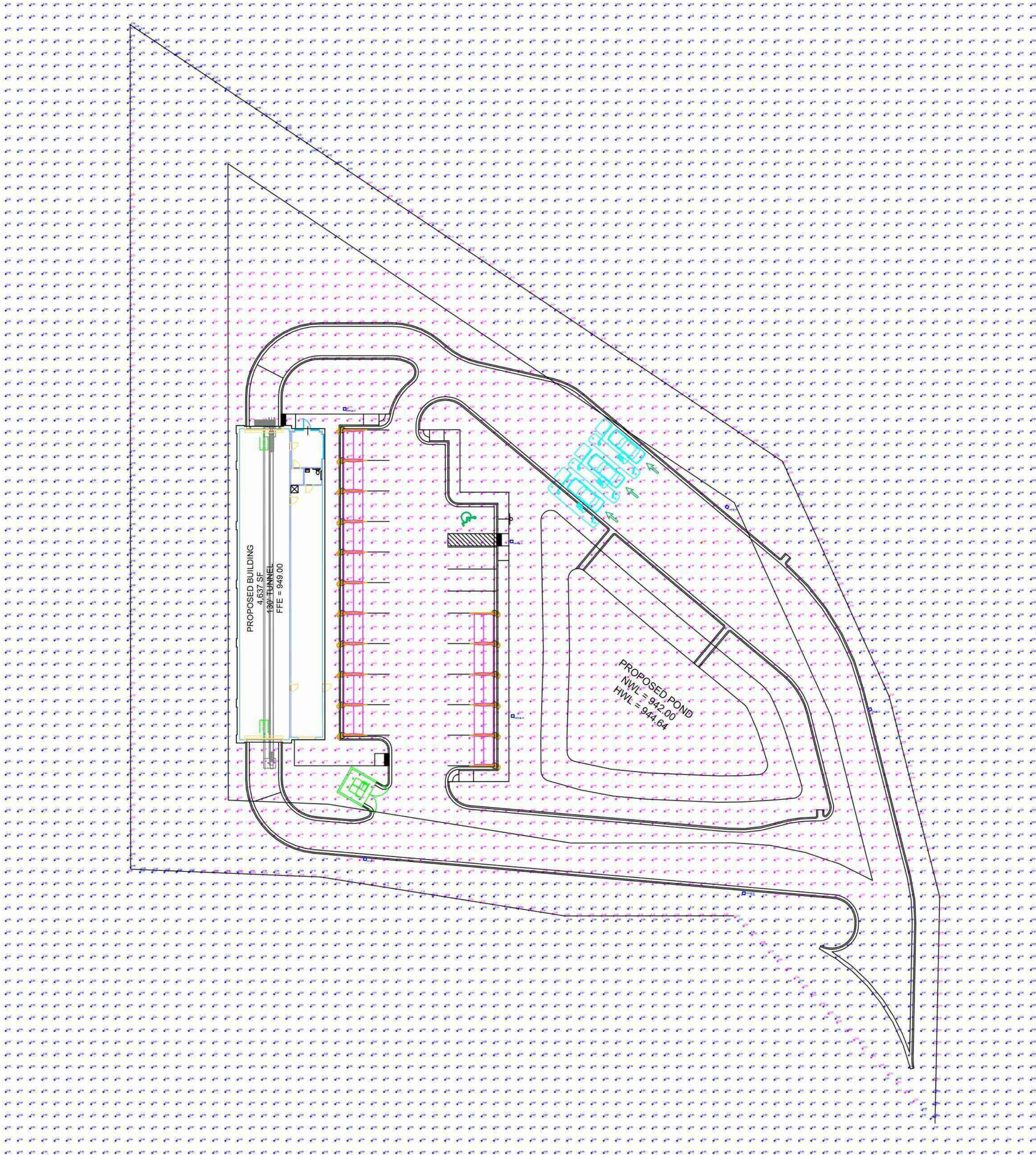
This Lighting layout assumes the following unless values are specified and must be confirmed by the customer prior to ordering.

Room reflectance of 80, 50, 20 for standard ceilings and 50, 50, 20 for exposed ceilings

Wall sconces are mounted at 7' for calculation purposes. Customer must confirm desired mounting height before rough in.

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking and Drive Lanes _At Grade	+	1.00 fc	2.40 fc	0.22 fc	10.9:1	4.5:1
Presumed Property Line _At Grade	+	0.05 fc	0.16 fc	0.00 fc	N/A	N/A

Schedule						
Label	QTY	Manufacturer	Catalog	Lamp Output	LLF	Input Power
OA3	4	Lithonia Lighting	DSX1 LED P2 XXK XXCRI BLC3 MVOLT SPA XXXX + 20FT SSS (ASSUMES 3FT BASE)	6516	0.95	67.79
OA5M	1	Lithonia Lighting	DSX1 LED P1 XXK XXCRI TSM MVOLT SPA XXXX + 20FT SSS (ASSUMES 3FT BASE)	7276	0.95	50.9
OA5W	2	Lithonia Lighting	DSX1 LED P2 XXK XXCRI TSW MVOLT SPA XXXX + 20FT SSS (ASSUMES 3FT BASE)	9506	0.95	67.79



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NASHOTAH, WI 53058
262.367.3661 | MSIGENERAL.COM

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MILESTONE ISSUE DATES

PRELIMINARY SET:11/19/2024

BUDGET SET:

LOCAL DESIGN REVIEW SET:

PROPOSAL SET:

PERMIT SET:

CONSTRUCTION SET:

RECORD DRAWING SET:

REVISIONS:

Bubble's

FOAM FARM

- CAR WASH -

PROJECT NAME

BUBBLES SUSSEX

PROJECT DESCRIPTION

NEW FACILITY

STREET ADDRESS

N65 W24838 MAIN STREET

CITY, STATE, ZIP

SUSSEX, WISCONSIN 53089

ALL WORK TO BE COMPLETED AS SHOWN, AND IN ACCORDANCE WITH THE LATEST EDITION OF THE MSI GENERAL MASTER SPECIFICATION

PROJECT ARCHITECT

XXX

STRUCTURAL ENGINEER

XXX

LANDSCAPE DESIGN

XXX

DESIGN ARCHITECT

XXX

CIVIL ENGINEER

XXX

REVIEWED BY

XXX

SHEET TITLE:

SITE LIGHTING PHOTOMETRIC PLAN

SHEET NUMBER:

ES-111

PROJECT NUMBER:

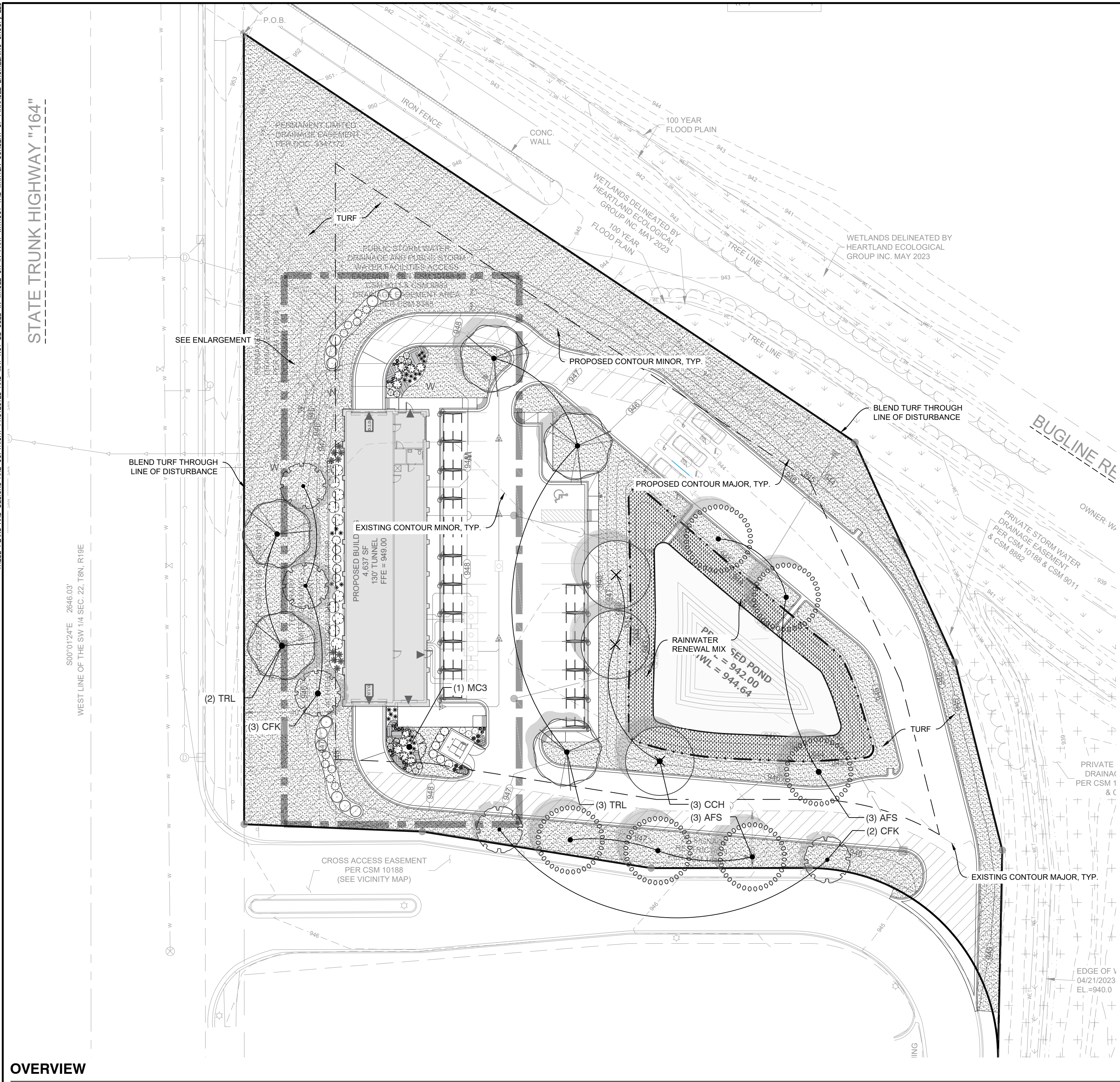
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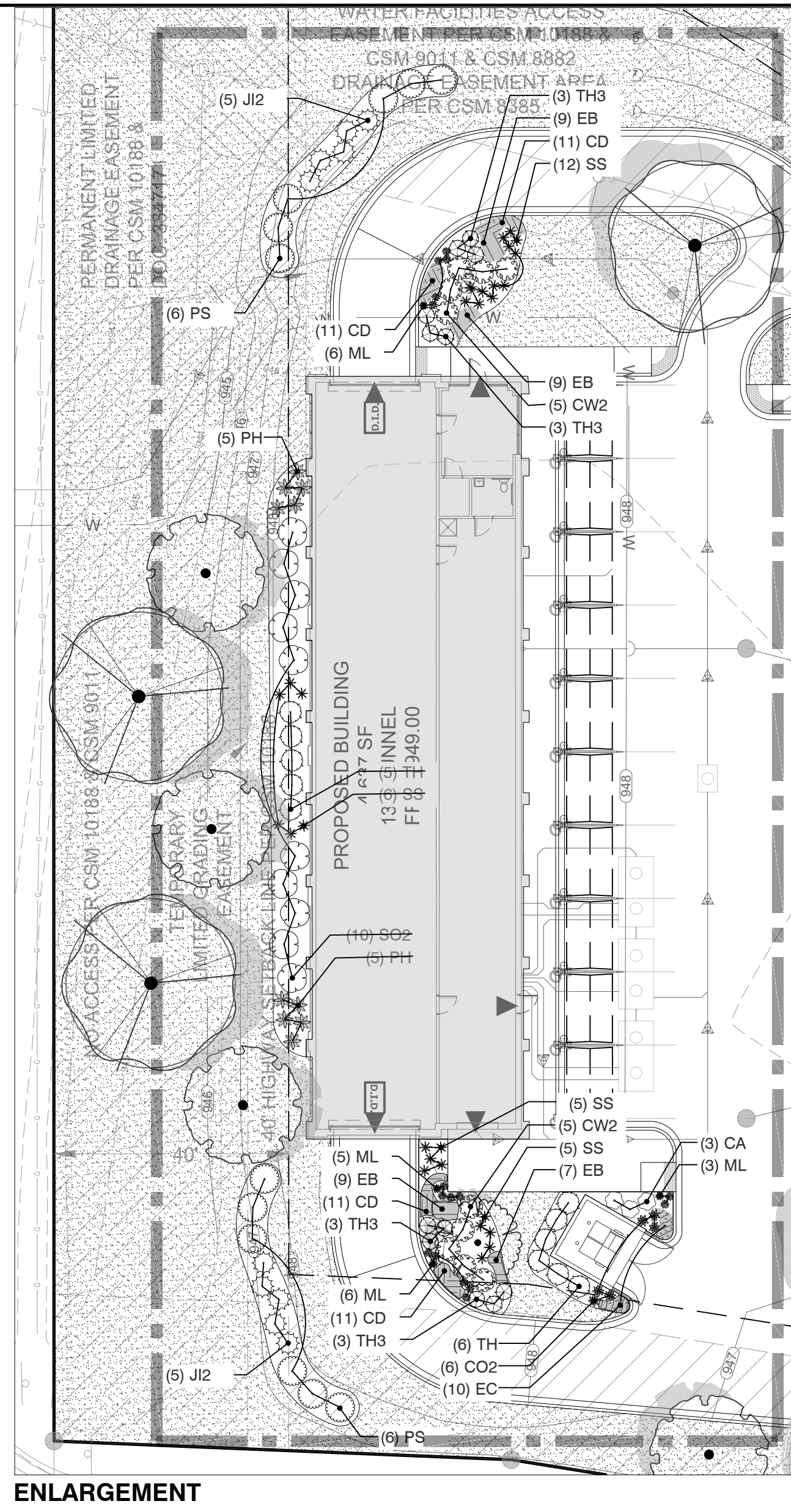
PRELIMINARY SET - NOT FOR CONSTRUCTION

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DESIGNED: SAT
DRAFTED: SAT
REVIEWED: DJB





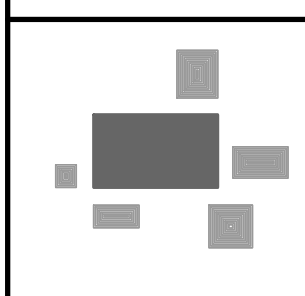
OVERVIEW
SCALE: 1"=30'



ENLARGEMENT
SCALE: 1"=20'

PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	
AFS	6	Acer x freemanii 'Sienna'	Sienna Glen Maple	2.5" Cal.	50' T x 35' W	
CFK	5	Carpinus caroliniana 'JN Strain'	Fire King Muscledwood	1.5" Cal.	30' T x 30' W	
CCH	3	Celtis occidentalis 'Chicagoland'	Chicagoland Hackberry	2.5" Cal.	50' T x 40' W	
MC3	1	Magnolia stellata 'Centennial Blush'	Centennial Blush Star Magnolia	1.5" Cal.	15' T x 15' W	
TRL	5	Tilia americana 'Redmond'	Redmond American Linden	2.5" Cal.	50' T x 35' W	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	
CA	3	Cornus sanguinea 'Cato'	Arctic Sun® Bloodtwig Dogwood	15" Ht.	4' T x 4' W	
CW2	10	Cotinus coggygia 'Lilla'	Lilla Dwarf Smoke Tree	24" Ht.	4' T x 4' W	
PS	12	Physocarpus opulifolius 'Seward'	Summer Wine Ninebark	2' Ht.	5' T x 4' W	
SO2	10	Sambucus racemosa 'SMNSRD4'	Lemony Lace Elderberry	15" Ht.	4' T x 5' W	
EVERGREEN SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	
JJ2	10	Juniperus chinensis 'Iowa'	Iowa Juniper	4" Ht.	13' T x 5' W	
TH3	12	Thuja occidentalis 'Hetz Midget'	Hetz Midget Arborvitae	18" Ht.	3' T x 3' W	
TH	11	Thuja occidentalis 'Holmstrup'	Holmstrup Arborvitae	4" Ht.	14' T x 4' W	
ORNAMENTAL GRASSES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	
CO2	6	Calamagrostis x acutiflora 'Overdam'	Overdam Feather Reed Grass	1 gal.	2' T x 2' W	
ML	20	Miscanthus sinensis 'Little Kitten'	Little Kitten Eulalia Grass	1 gal.	24" T x 15" W	
PH	10	Panicum virgatum 'Heavy Metal'	Blue Switch Grass	1 gal.	4' T x 3' W	
SS	28	Schizachyrium scoparium 'Standing Ovation'	Standing Ovation Little Bluestem	1 gal.	4' T x 2' W	
PERENNIALS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS
CD	44	Coreopsis x 'Dream Catcher'	Dream Catcher Tickseed	4.5" Cont.	15" o.c.	18" T x 18" W
EB	34	Echinacea x 'Big Sky Sunrise'	Big Sky Sunrise Coneflower	4.5" Cont.	15" o.c.	30" T x 18" W
EC	10	Echinacea x 'Cheyenne Spirit'	Cheyenne Spirit Coneflower	4.5" Cont.	18" o.c.	28" T x 18" W
AGRECOL MIXES	QTY	BOTANICAL NAME	COMMON NAME	REMARKS		
	3,601 sf	Rainwater Renewal	Agrecol Rainwater Renewal Seed Mix			
TURF	QTY	BOTANICAL NAME	COMMON NAME	REMARKS		
	36,525 sf	Turf Hydroseed	Reinders - Cadet 70/30 Fescue/Blue Mix			



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LANDSCAPE PLAN

REVISIONS

—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—

REG JOB #3005.00-WI
REG PM
START DATE 11/11/24
SCALE VARIES

SHEET
L-1
OF
L-2

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GENERAL PLANTING NOTES

1.

THE LAYOUT OF ALL PLANTING BEDS AND INDIVIDUAL TREES AND SHRUBS SHALL BE STAKED BY THE CONTRACTOR IN ADVANCE OF INSTALLATION. FLAGGING, STAKES, OR PAINT MAY BE USED TO DELINEATE LOCATIONS AS SCALED FROM THE PLANS. AN APPROVED REPRESENTATIVE WILL REVIEW THESE LOCATIONS WITH THE CONTRACTOR AND MAKE MINOR ADJUSTMENTS AS NECESSARY. BED LAYOUT SHALL ALSO INCLUDE PERENNIAL GROUPINGS BY SPECIES.
2.

THE CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY DETERMINING THE PLANT MATERIAL QUANTITIES REQUIRED BY THE LANDSCAPE PLANS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
3.

NO PLANT MATERIAL OR PLANT SIZE SUBSTITUTIONS WILL BE ACCEPTED WITHOUT APPROVAL BY THE LANDSCAPE ARCHITECT. ANY CHANGES SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO INSTALLATION.
4.

ALL BNB STOCK SHALL BE NURSERY GROWN IN A CLAY LOAM SOIL FOR A MINIMUM OF THREE GROWING SEASONS WITHIN 200 MILES OF PROJECT LOCATION, IN A ZONE COMPATIBLE WITH USDA HARDINESS ZONE 5A. SEED SHALL BE PROVIDED FROM A NURSERY (WITHIN 200 MILES) WITH A SIMILAR PLANT HARDINESS ZONE AS PROJECT LOCATION. EXISTING SOIL SHALL BE AMENDED PER SOIL ANALYSIS REPORT TO ENSURE A PROPER GROWING MEDIUM IS ACHIEVED.
5.

ALL PLANT MATERIAL SHALL COMPLY WITH STANDARDS DESCRIBED IN AMERICAN STANDARD OF NURSERY STOCK - Z60.1 ANSI. LANDSCAPE ARCHITECT OR OWNERS AUTHORIZED REPRESENTATIVE RESERVES THE RIGHT TO INSPECT AND POTENTIALLY REJECT ANY PLANT MATERIAL DEEMED TO NOT MEET THE REQUIRED STANDARDS.
6.

ALL STOCK SHALL BE FREE OF DISEASES AND HARMFUL INSECTS, DAMAGE, DISORDERS AND DEFORMITIES.
7.

TREES SHALL HAVE SINGLE, STRAIGHT TRUNKS AND WELL BALANCED BRANCH SYSTEMS. MULTI-STEM TREES SHALL HAVE 3-4 STRAIGHT TRUNKS AND WELL BALANCED BRANCH SYSTEMS. HEIGHT-TO-CALIPER RATIOS SHALL BE CONSISTENT WITH THE LATEST EDITION OF ANSI Z60.1.
8.

ROOT SYSTEMS SHALL BE LARGE ENOUGH TO ALLOW FOR FULL RECOVERY OF THE TREE, AND SHALL CONFORM TO STANDARDS AS THEY APPEAR IN THE MOST CURRENT REVISION OF THE AMERICAN ASSOCIATION OF NURSEYRMEN'S AMERICAN STANDARD OF NURSERY STOCK ANSI Z60.1.
9.

BNB TREES SHALL BE DUG WITH A BALL OF SOIL, NOT SOFT BALLED OR POTTED AND SHALL BE FIRM IN THEIR ROOTBALL. ROOT BALL SHALL BE WRAPPED (WITH BIODEGRADABLE MATERIAL). THE TREE ROOT FLARE, OR COLLAR, SHALL BE AT OR WITHIN THE TOP THREE INCHES OF GRADE.
10.

ALL SPRING TREES MUST BE FRESHLY DUG IN THE MOST RECENT SPRING.
11.

ALL AUTUMN TREES MUST BE FRESHLY DUG IN THE MOST RECENT AUTUMN.
12.

TREES SHALL BE ALIVE, HEALTHY AND APPROPRIATELY MOIST, AT TIME OF DELIVERY. TREES SHALL BE SUBJECT TO INSPECTION FOR CONFORMITY TO SPECIFICATION REQUIREMENTS AND APPROVAL BY THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE. THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY TREES THAT DO NOT MEET THE SPECIFICATIONS OR THAT HAVE BEEN DAMAGED DURING SHIPMENT. THE LANDSCAPE INSTALLER MUST RECEIVE APPROVAL FROM LANDSCAPE ARCHITECT FOR ANY SUBSTITUTIONS OR ALTERATIONS.
13.

ALL PLANT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH PLANTING DETAILS.
14.

ALL PLANTING BEDS SHALL HAVE A MINIMUM 10" DEPTH OF PREPARED SOIL. WITH APPROVAL, EXISTING SOIL MAY BE UTILIZED PROVIDED THE PROPER SOIL AMENDMENTS ARE TILLED THOROUGHLY INTO THE TOP 10" OF SOIL. REFER TO SOIL PLACEMENT NOTES.
15.

WHILE PLANTING TREES AND SHRUBS, BACKFILL $\frac{3}{4}$ OF PLANTING HOLE AND WATER TREE THOROUGHLY BEFORE INSTALLING THE REMAINDER OF SOIL MIXTURE. AFTER ALL SOIL HAS BEEN PLACED INTO THE PLANTING HOLE WATER THOROUGHLY AGAIN.
16.

THE CONTRACTOR MUST LABEL ALL TREES WITH THE COMMON AND BOTANICAL NAMES PRIOR TO FINAL INSPECTION.
17.

ALL PLANTING BEDS SHALL BE MULCHED WITH 3" DEEP SHREDDED HARDWOOD MULCH, AND ALL TREES PLANTED IN TURF AREAS SHALL RECEIVE A 3" DEEP SHREDDED HARDWOOD MULCHED RING AS SHOWN IN PLANTING DETAILS.
18.

ALL PLANTING BEDS AND TREE RINGS SHALL HAVE A 4" DEEP TRENCHED BED EDGE CREATED BY EITHER A FLAT LANDSCAPE SPADE OR MECHANICAL EDGER. BED EDGES ARE TO BE CUT CLEAN AND SMOOTH AS SHOWN ON LANDSCAPE PLANS WITH A CLEAN DEFINITION BETWEEN TURF AND PLANTING AREAS.
19.

ALL TURF SEED AREAS SHALL RECEIVE A MINIMUM OF 6" DEPTH OF TOPSOIL. WITH APPROVAL, EXISTING SOIL MAY BE UTILIZED PROVIDED THE PROPER SOIL AMENDMENTS ARE TILLED THOROUGHLY INTO THE TOP 6" OF SOIL AS INDICATED IN THE SOIL PLACEMENT NOTES. REQUIRED AMENDMENTS SHALL BE DETERMINED BASED ON A SOIL ANALYSIS TO BE PERFORMED. ALL TOPSOIL AMENDMENT SHALL BE AGED WEED FREE MANURE OR CLASS 1 ORGANIC MATTER.
20.

FOR LAWN SEEDING, APPLY A STARTER FERTILIZER AND SEED UNIFORMLY AT THE RATE RECOMMENDED BY MANUFACTURER, AND PROVIDE A MULCH COVERING THAT IS SUITABLE TO PROMOTE SEED GERMINATION AND TURF ESTABLISHMENT. CONTRACTOR TO PROVIDE FERTILIZER, SEED, AND MULCH SPECIFICATIONS TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. EROSION CONTROL MEASURES ARE TO BE INSTALLED IN THOSE AREAS REQUIRING STABILIZATION (SWALES, SLOPES EXCEEDING 1:3, AND THOSE LOCATIONS INDICATED IN CIVIL DRAWINGS).
21.

THE CONTRACTOR TO ENSURE A SMOOTH, UNIFORM QUALITY TURF IS ACHIEVED WITH NO BARE SPOTS LARGER THAN 6" X 6". ANY BARE SPOTS LARGER THAN 6" X6" AT THE END OF ESTABLISHMENT PERIOD SHALL BE RESEEDD AT THE CONTRACTORS EXPENSE TO OBTAIN A DENSE, UNIFORM LAWN. .
22.

ALL FINISH GRADING AND LAWN AREAS TO BE INSTALLED BY LANDSCAPE CONTRACTOR.
23.

ALL DISTURBED AREAS WITHIN THE PROJECT SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
24.

ALL DISTURBED AREAS OUTSIDE THE LIMITS OF WORK SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER.
25.

THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, INCLUDING ANY IRRIGATION LINES, PRIOR TO DIGGING. CONSULT DIGGERS HOTLINE.

26.

TREES SHALL BE INSTALLED NO CLOSER THAN:

-15 FEET FROM ANY FIRE HYDRANT

- 8 FEET FROM STORM SEWER, SANITARY SEWER LATERALS, AND WATER SERVICE
27.

THE CONTRACTOR SHALL ENSURE THAT SOIL CONDITIONS AND COMPACTION ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AROUND THE CONSTRUCTION SITE. UNDESIRABLE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER SURFACE AND SUBSURFACE DRAINAGE IN ALL AREAS
28.

THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, FEES, AND LICENSES NECESSARY FOR THE INSTALLATION OF THIS PLAN.
29.

THE CONTRACTOR IS TO REVIEW ALL SITE ENGINEERING DOCUMENTS PRIOR TO INSTALLATION. ANY CONFLICTS MUST BE REPORTED TO THE LANDSCAPE ARCHITECT. THESE LANDSCAPE DRAWINGS ARE FOR THE INSTALLATION OF PLANT MATERIALS ONLY UNLESS OTHERWISE STATED.
30.

THE CONTRACTOR SHALL PROVIDE WATERING AND MAINTENANCE SERVICES FOR A PERIOD OF 60 DAYS TO ENSURE VEGETATIVE ESTABLISHMENT. UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL SUPPLY THE OWNER IN WRITING WITH ONGOING WATERING AND MAINTENANCE INSTRUCTIONS.
31.

PLANT MATERIALS SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM TIME OF OWNER ACCEPTANCE. ONLY ONE REPLACEMENT PER PLANT WILL BE REQUIRED DURING THE WARRANTY PERIOD EXCEPT IN THE EVENT OF FAILURE TO COMPLY WITH THE SPECIFIED REQUIREMENTS.
32.

THE CONTRACTOR IS RESPONSIBLE TO CONDUCT A FINAL WALK THROUGH WITH THE LANDSCAPE ARCHITECT AND OR OWNERS REPRESENTATIVE TO ANSWER QUESTIONS, PROVIDE INSTRUCTIONS, AND ENSURE THAT PROJECT REQUIREMENTS HAVE BEEN MET.

SOIL PLACEMENT NOTES

1.

LOOSEN SUBGRADE TO A MINIMUM DEPTH INDICATED IN PLANTING NOTES USING A CULTI-MULCHER OR SIMILAR EQUIPMENT, AND REMOVE STONES MEASURING OVER 1-1/2 INCHES IN ANY DIMENSION, STICKS, RUBBISH AND OTHER EXTRANEIOUS MATTER. AREAS ADJACENT TO WALKS AND PAVEMENT SHALL BE FREE OF EXCESS STONE AND PAVING MATERIALS SO AS TO PROVIDE AN UNINTERRUPTED CROSS SECTION OF SOIL. INTERNAL PARKING ISLANDS SHALL BE LOOSENED TO A DEPTH OF 30".
2.

THOROUGHLY BLEND PLANTING SOIL MIX FOR PLANTING BED AREAS. (1 PART EXISTING SOIL, 1 PART TOPSOIL, 1 PART ORGANIC SOIL AMENDMENT, 2.9 POUNDS PER CUBIC YARD OF 4-4-4 ANALYSIS SLOW-RELEASE FERTILIZER)
3.

TREE AND SHRUB HOLES SHALL BE FILLED WITH A PREPARED PLANTING MIXTURE OF 1 PART TOPSOIL, 2 PARTS PLANTING SOIL MIX.
4.

SPREAD SOIL AND SOIL AMENDMENTS TO DEPTH INDICATED ON DRAWINGS, BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER NATURAL SETTLEMENT. (FINISH GRADE OF PLANTING BEDS SHALL BE 3" BELOW ALL ADJACENT SURFACES. FINISH GRADE OF TURF SEEDING AREAS SHALL BE 1" BELOW ALL ADJACENT HARD SURFACES, WALKS, AND CURBS.)
5.

PLACE APPROXIMATELY 1/2 OF TOTAL AMOUNT OF SOIL REQUIRED. WORK INTO TOP OF LOOSENED SUBGRADE TO CREATE A TRANSITION LAYER, THEN PLACE REMAINDER OF THE SOIL. SOIL TRANSITION LAYER SHALL BE TILLED TO A MINIMUM DEPTH OF 6" BELOW THE DEPTH OF NEWLY PLACED SOIL. PARKING LOT ISLANDS SHALL BE CROWNED TO A HEIGHT OF 6" TO PROVIDE PROPER DRAINAGE UNLESS OTHERWISE NOTED.
6.

DO NOT SPREAD IF PLANTING SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.
7.

FINISH GRADING: GRADE SOIL TO A SMOOTH, UNIFORM SURFACE PLANE WITH A LOOSE, UNIFORMLY FINE TEXTURE.
8.

ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES.
9.

RESTORE PLANTING BEDS IF ERODED OR OTHERWISE DISTURBED AFTER FINISH GRADING AND BEFORE PLANTING.

NATIVE SEEDING

ESTABLISHMENT OF A VIABLE VEGETATION COMMUNITY WITHIN THE BIO INFILTRATION BASINS WILL BE COMPLETED BY HAND-BROADCASTING OF PRE-DESIGNED SEED MIXES TO CREATE A DYNAMIC PLANTING.

PRIOR TO SEEDING:

- A.

ALL WEEDS AND EXISTING VEGETATION SHALL BE REMOVED. EXISTING VEGETATION SHALL BE TREATED WITH GLYPHOSATE OR SIMILAR HERBICIDE BY A LICENSED PROFESSIONAL. TREATMENT SHALL OCCUR A MINIMUM OF 10 DAYS PRIOR TO SEEDING/PLANTING. VEGETATION STILL ALIVE AFTER INITIAL HERBICIDE TREATMENT SHALL BE TREATED A SECOND TIME PRIOR TO TILLING INTO THE SOIL.TREATED VEGETATION SHALL BE TILLED INTO THE SOIL NO EARLIER THAN 1 DAY PRIOR TO SEEDING.
- B.

PREPARATION OF SOIL PRIOR TO SEEDING

1.

REFER TO CIVIL PLANS FOR SOIL MIXTURE.

2.

ALL FOREIGN MATERIALS LARGER THAN 1-INCH SHALL BE REMOVED FROM THE SOIL PRIOR TO SEEDING OR PLANTING.

3.

AREA SHOULD BE FREE FROM UNSIGHTLY VARIATIONS, RIDGES, AND DEPRESSIONS.

4.

AVOID DRIVING OVER THE SPECIFIED AREA WITH MACHINERY.

SPECIFICATIONS FOR HAND BROADCASTING:

SEEDING SHALL BE CONDUCTED IN LATE FALL (SEPTEMBER 1- SOIL FREEZE) SO THAT SEEDS MAY LIE DORMANT DURING THE WINTER, ALLOWING FOR STRATIFICATION, OR SPRING (MARCH 1-JUNE 1) TO ALLOW A COMPLETE GROWING SEASON TO BECOME ESTABLISHED.

A. COVER CROP

1.

ANNUAL RYE SHALL BE SPREAD AT A DENSITY OF 20 POUNDS PER ACRE DURING THE PLANTING OR SEEDING OF THE NATIVE PLANT SPECIES TO STABILIZE THE SOIL AND REDUCE THE GROWTH OF UNWANTED VEGETATION. THIS ANNUAL GRASS GROWS RAPIDLY WITHOUT COMPETING WITH THE WILDFLOWERS AND GRASSES THAT ARE PLANTED IN THE TARGET AREAS.
2.

WINTER WHEAT OR PERENNIAL RYE SHALL NOT BE USED AS A COVER CROP. THESE GRASSES MAY OUT COMPETE PRAIRIE SEEDLINGS, LEADING TO A REDUCTION IN THE SUCCESS OF THE PLANTINGS.

B. SEED MIX:

1.

MIX ALL NATIVE SEED WITH VERMICULITE ACCORDING TO AGRECOL RECOMMENDATIONS AND INSTALLATION GUIDELINES.
2.

BROADCAST HALF THE SEED OVER THE ENTIRE SITE OR TARGET AREA.
3.

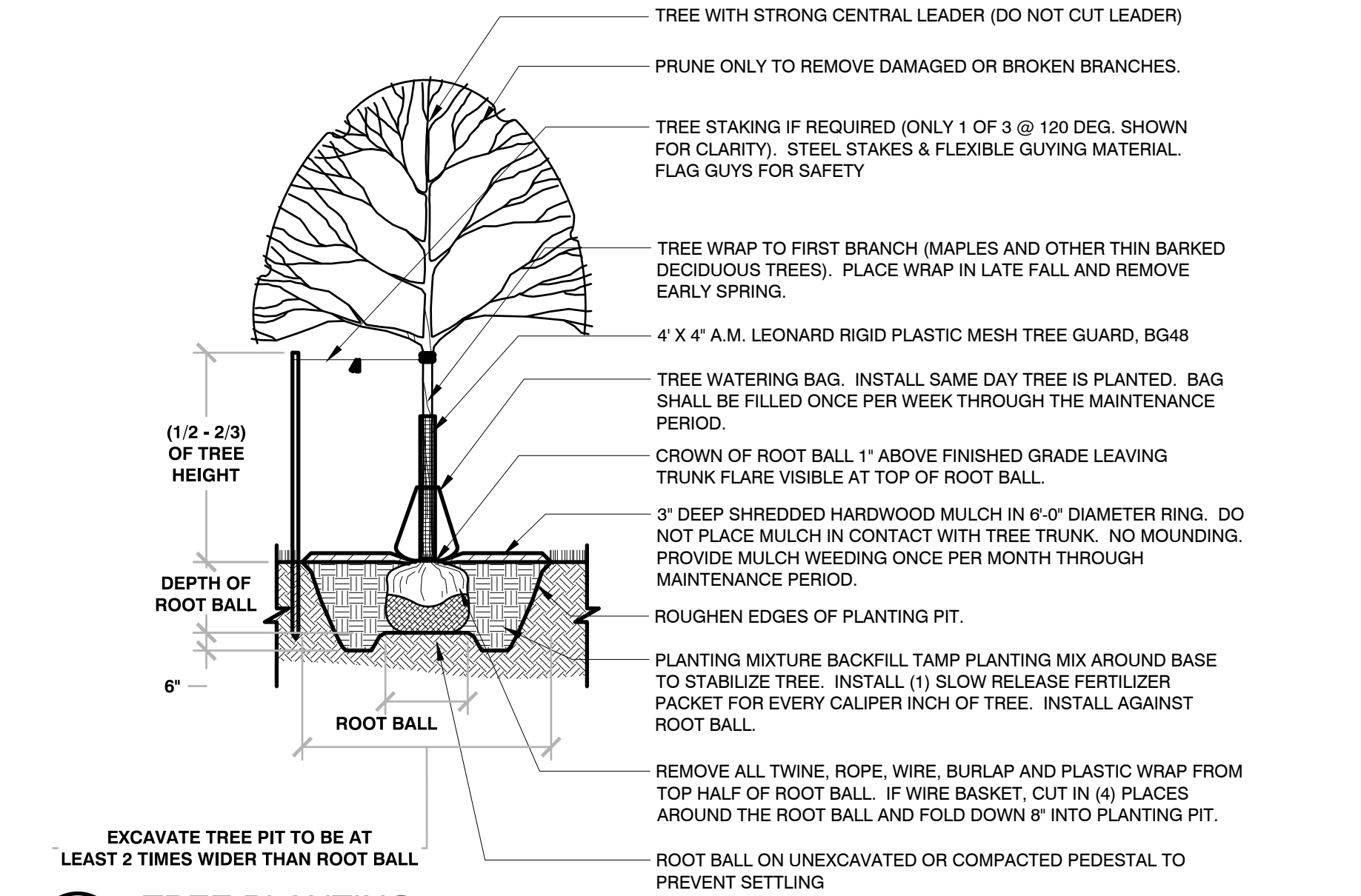
BROADCAST THE OTHER HALF OF SEED PERPENDICULAR TO THE DIRECTION THAT THE FIRST HALF OF THE SEED WAS BROADCAST.
4.

COVER SEED WITH $\frac{1}{4}$ -INCH TO $\frac{1}{2}$ -INCH OF SOIL (USE ANY EXCESS SOIL FROM THE SITE) WITH RAKE OR DRAG.
5.

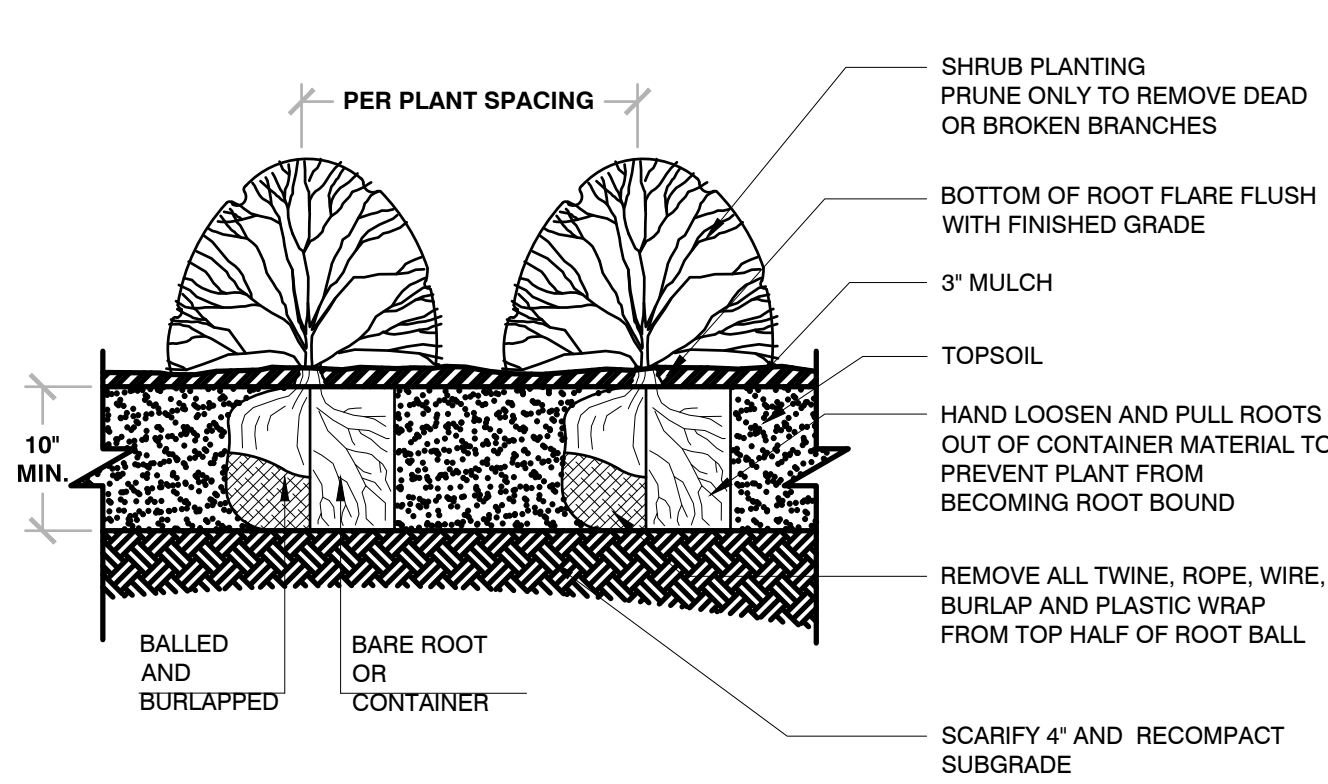
ROLL SITE TO ENSURE FIRM SEED-TO-GROUND CONTACT.
6.

KEEP SEED CONSTANTLY WET THROUGH GERMINATION PERIOD. GENERALLY 3 WEEKS.

ALL SEEDING SHALL BE COVERED WITH 1-INCH OF CLEAN, NON-INVASIVE STRAW (NO MARSH HAY, OR REED CANARY GRASS) WITHOUT SEEDS, WITHIN SEVEN DAYS. WHEAT, RYE, OATS, OR BARLEY ARE ACCEPTABLE FORMS OF STRAW. THOSE AREAS OF SLOPES STEEPER THAN 8:1 (EIGHT FEET HORIZONTAL TO ONE FOOT VERTICAL) SHALL BE PLANTED NO LATER THAN OCTOBER 1 AND STAKED WITH AN EROSION CONTROL BLANKET TO PREVENT EROSION.



1 TREE PLANTING 1/4" = 1'-0" 32 9343-01



- BAREROOT PLANTING NOTES:
1.

SOAK ROOTS IN WATER FOR AT LEAST ONE HOUR BUT NOT MORE THAN 24 HOURS PRIOR TO PLANTING.
2.

PROCEED WITH CORRECTIVE PRUNING OF THE TOP AND BOTTOM ROOTS.
3.

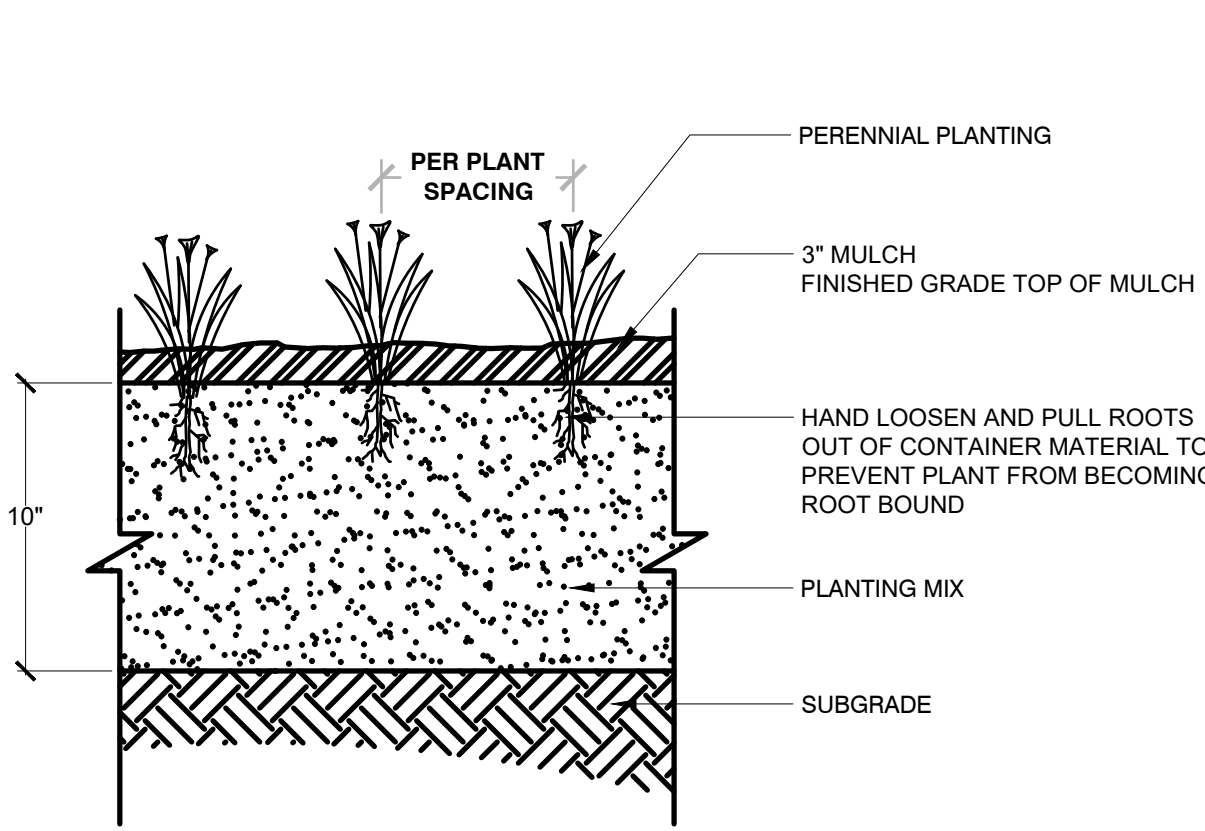
TRANSFER PLANT DIRECTLY FROM WATER TO HOLE. SET PLANT SO THE ROOT FLARE IS APPROXIMATELY AT THE FINISHED SOIL ELEVATION. SPREAD ROOTS OUT EVENLY. PLUMB AND IMMEDIATELY BACKFILL WITH PLANTING SOIL MIX.
4.

WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANTS AND FILL VOIDS.
5.

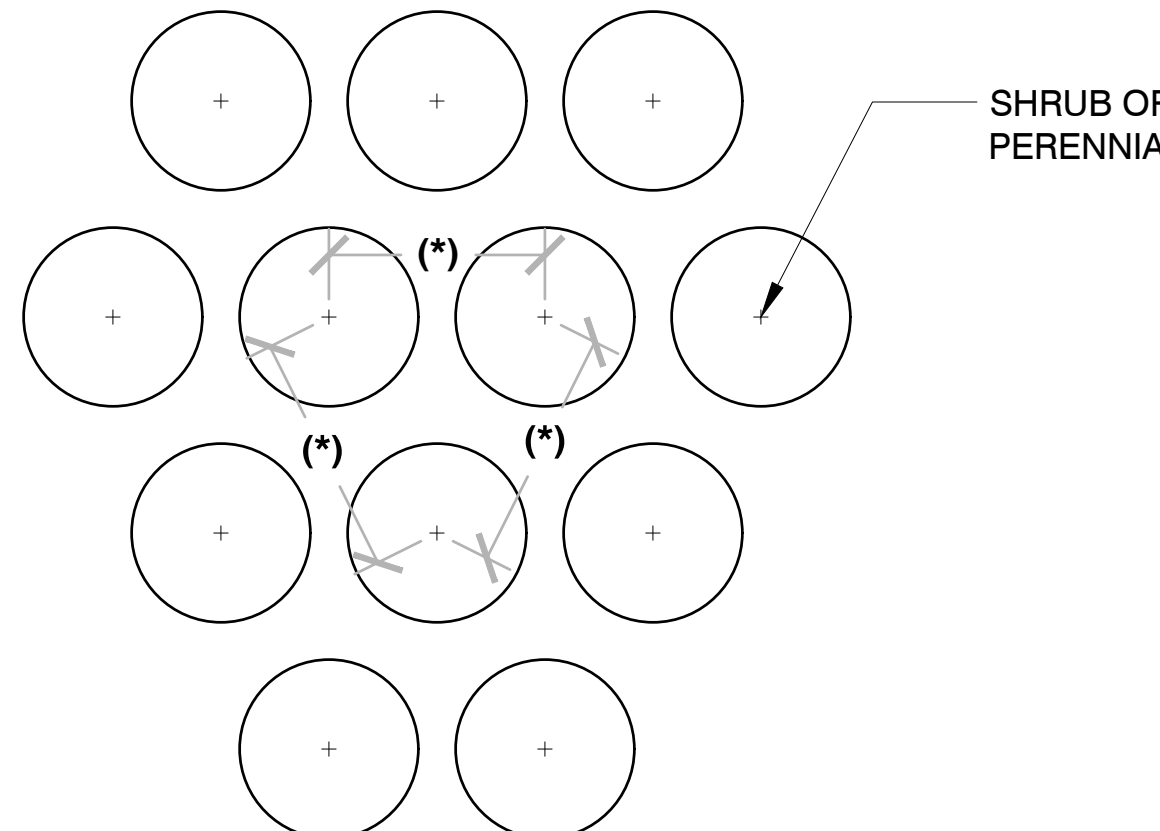
BACKFILL VOIDS AND WATER SECOND TIME.
6.

PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

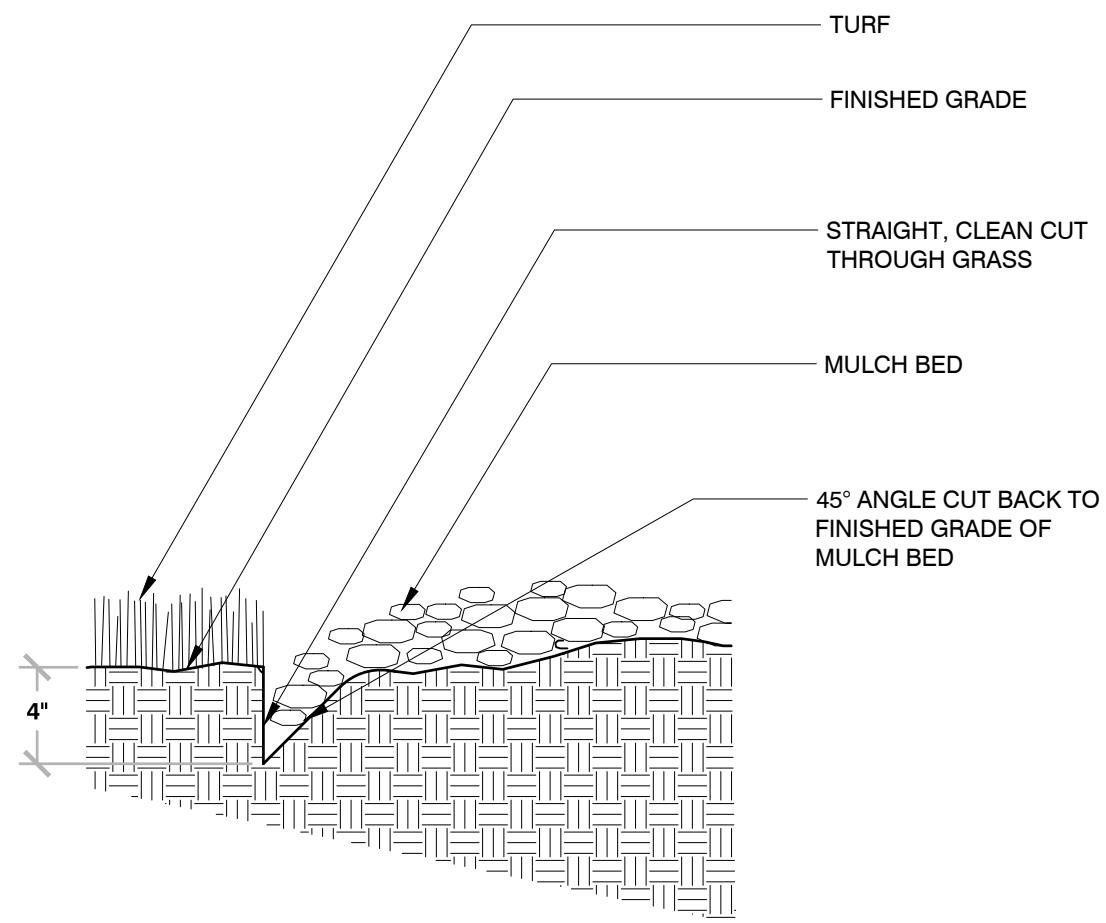
2 SHRUB PLANTING 1/2" = 1'-0" 32 9333-02



3 PERENNIAL PLANTING 1" = 1'-0" 32 93-01



4 PLANT SPACING 3/4" = 1'-0" 32 93-02



5 TRENCHED BED EDGE 3/4" = 1'-0" 32 93-03

PINNACLE ENGINEERING GROUP

PLAN | DESIGN | DELIVER

www.pinnacle-engr.com

WISCONSIN OFFICE:

20725 WATERTOWN ROAD, SUITE 100

BROOKFIELD, WI 53186

(262) 754-8888

CHICAGO | MILWAUKEE | NATIONWIDE

BUBBLES FOAM FARM

N65 W24838 MAIN ST (STH 164) SUSSEX, WI

LANDSCAPE GENERAL NOTES & DETAILS

REVISIONS

PEG JOB NO:3005.00-W1

MAC

START DATE: 11/1/24

SCALE: VARIES

SHEET

L-2

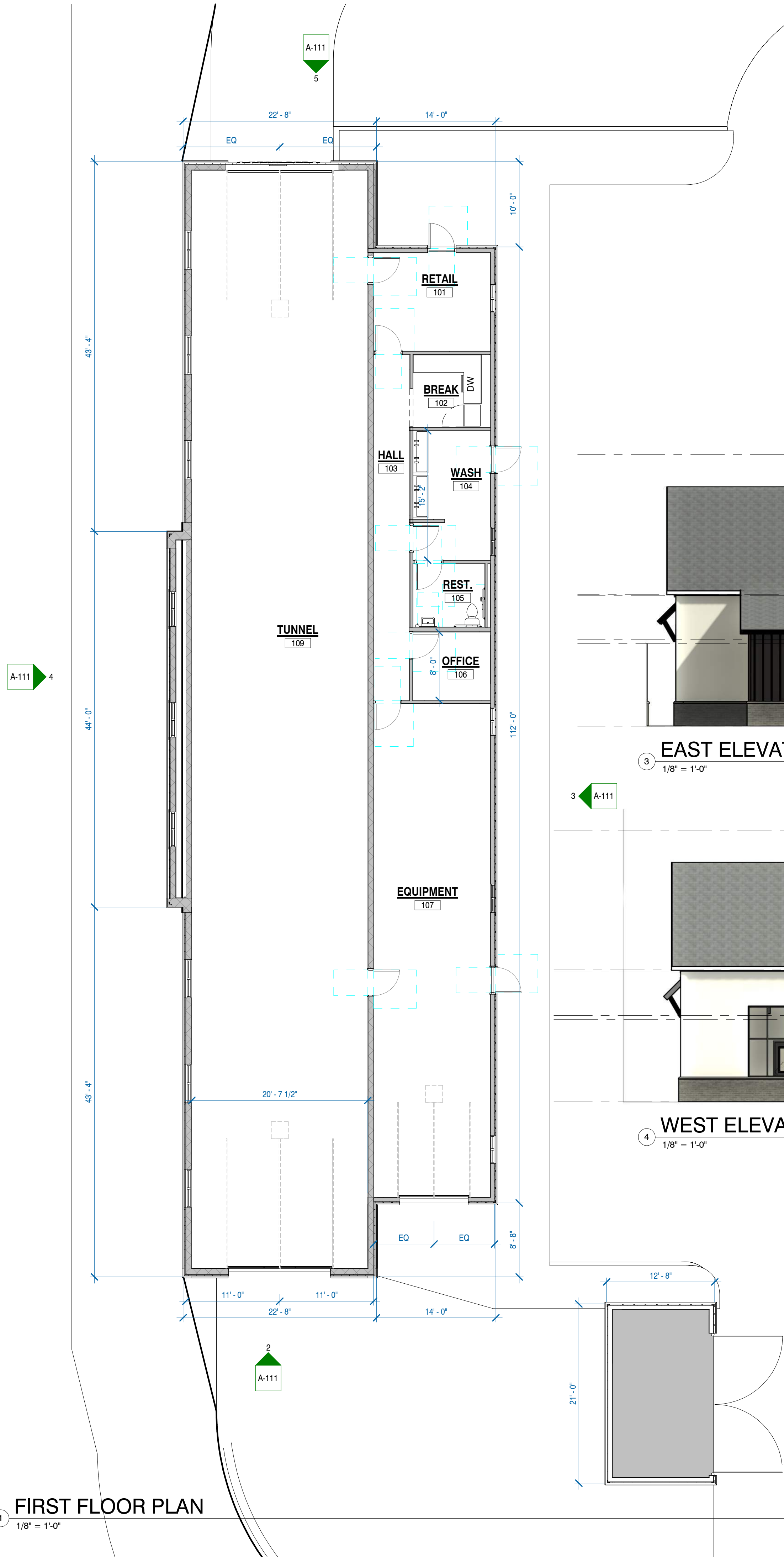
OF

L-2

6 COPYRIGHT 2023

1
1/8" = 1'-0"

FIRST FLOOR PLAN



2
1/8" = 1'-0"

SOUTH ELEVATION



3
1/8" = 1'-0"

EAST ELEVATION



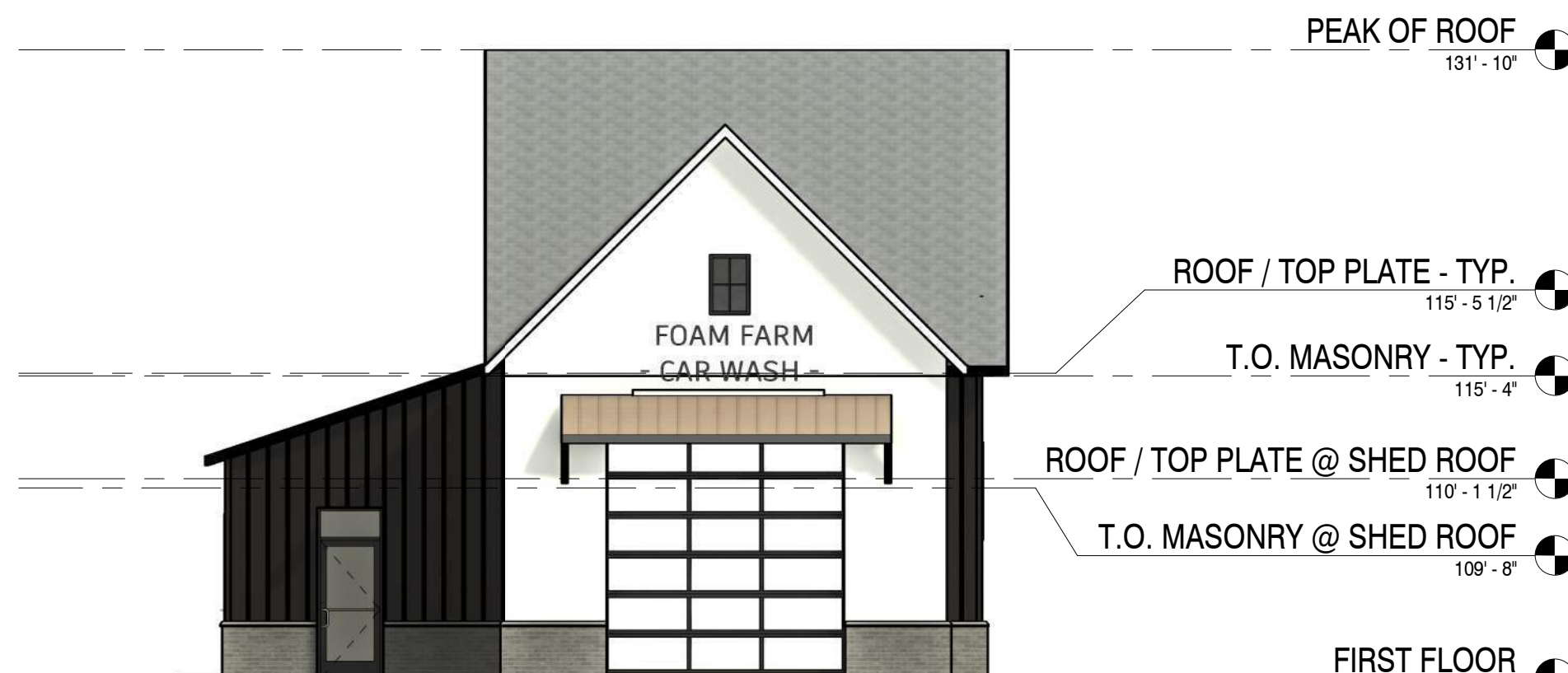
4
1/8" = 1'-0"

WEST ELEVATION



5
1/8" = 1'-0"

NORTH ELEVATION



GENERAL NOTES - FLOOR PLAN(S)

- A. MOISTURE RESISTANT GWB AT ALL LOCATIONS EXPOSED TO MOISTURE (BATHROOMS, JANITOR/PLUMBING ROOMS, KITCHENS, ETC. AND EXTERIOR WINDOW AND DOOR HEAD AND JAMB RETURNS)
- B. ALL WALL AREAS DESIGNATED TO RECEIVE TILE WALL SHALL HAVE CEMENT BOARD BACKER INSTALLED, EXCEPT AT TILE BASE AREAS WHICH CAN BE INSTALLED TO GYPSUM BOARD. VERIFY RESPONSIBILITY WITH SCOPE OF WORK.
- C. APPLIANCES, FURNITURE, AND EQUIPMENT BY OWNER, SHOWN FOR REFERENCE ONLY. (UNLESS OTHERWISE NOTED)
- D. ALL WALLS NOT LABELED WITH A WALL TYPE, SHOULD FOLLOW THE TYPICAL TYPE THAT IS CALLED OUT ON PLANS.
- E. PROVIDE BLOCKING IN WALLS WHERE CABINETS, TOILET ACCESSORIES, GRAB BARS, WALL MOUNTED TV'S, ETC. ARE SHOWN ON PLANS.
- F. REFER TO SHEET A-601 FOR DOOR AND WINDOW SCHEDULES.
- G. REFER TO SHEET I-601 FOR ROOM, DOOR AND WINDOW FINISHES.

SHEET NOTES - FLOOR PLAN(S)

NOTE: THESE NOTES APPLY ONLY TO THIS SHEET

NO.	DESCRIPTION
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NASHOTAH, WI 53058
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SINGLE SOURCE RESPONSIBILITY
DESIGNING EXCELLENCE. BUILDING TRUST TM

MILESTONE ISSUE DATES

PRELIMINARY SET: 11/19/2024

BUDGET SET:

LOCAL DESIGN REVIEW SET:

PROPOSAL SET:

PERMIT SET:

CONSTRUCTION SET:

RECORD DRAWING SET:

REVISIONS:

NO.	DESCRIPTION
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PROJECT NAME
BUBBLES SUSSEX

PROJECT DESCRIPTION
NEW FACILITY

STREET ADDRESS
N65 W24838 MAIN STREET

CITY/STATE/ZIP
SUSSEX, WISCONSIN 53089

ALL WORK TO BE COMPLETED AS SHOWN, AND
IN ACCORDANCE WITH THE LATEST EDITION OF
THE MSI GENERAL MASTER SPECIFICATION

PROJECT ARCHITECT	STRUCTURAL ENGINEER	LANDSCAPE DESIGN
XXX	XXX	XXX
DESIGN ARCHITECT	CIVIL ENGINEER	REVIEWED BY
XXX	XXX	XXX

SHEET TITLE:
FIRST FLOOR PLAN

SHEET NUMBER:

A-111

PROJECT NUMBER:

P13683

LEADERS

ENGINEERS

CONTRACTORS

ARCHITECTS

GENERAL NOTES - EXT. ELEVATION(S)	
A. FOOTINGS ON ELEVATION ARE REPRESENTATIVE ONLY (SEE STRUCTURAL PLANS FOR FOOTING ELEVATIONS)	
B. XXX	
SHEET NOTES - EXT. ELEVATIONS	
NOTE: THESE NOTES APPLY ONLY TO THIS SHEET	
NO.	DESCRIPTION



ALL RENDERINGS ARE CONCEPTUAL, REFER TO ACTUAL DRAWINGS FOR SPECIFIC DETAILS AND INFORMATION ABOUT DESIGN ELEMENTS.



DESIGNBUILD

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PROJECT ARCHITECT XXX	STRUCTURAL ENGINEER XXX	LANDSCAPE DESIGN XXX
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DESIGN ARCHITECT XXX	CIVIL ENGINEER XXX	REVIEWED BY XXX
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SHEET TITLE:
EXTERIOR RENDERINGS

SHEET NUMBER:

A-202

PROJECT NUMBER:

P13683

P13683