ENGINEERING IMPROVEMENT PLANS
FOR
PROJECT SILVER EAGLE
COTTAGE GROVE, WI
PLANS PREPARED FOR
TRAMMELL CROW COMPANY
700 COMMERCE DRIVE, SUITE 455
OAK BROOK, IL 60523

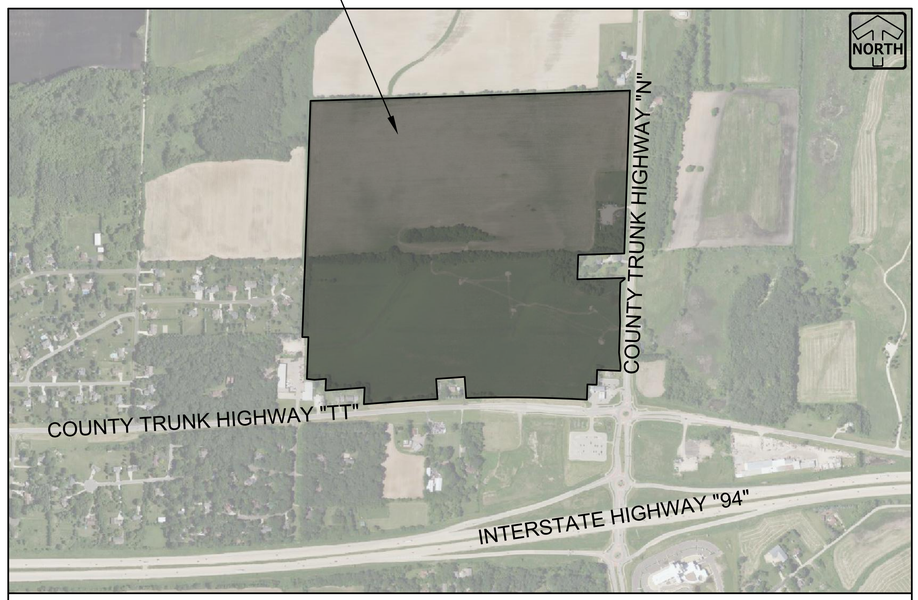
LEGEND

	EXISTING	PROPOSED
SANITARY MANHOLE		
STORM MANHOLE		
CATCH BASIN		
INLET		
PRECAST FLARED END SECTION		
CONCRETE HEADWALL		
VALVE VAULT		
VALVE BOX		
FIRE HYDRANT		
BUFFALO BOX		
CLEANOUT		
SANITARY SEWER		
FORCE MAIN		
STORM SEWER		
WATER MAIN	W	W
UTILITY CROSSING		W X
GRANULAR TRENCH BACKFILL		
LIGHTING		
ELECTRICAL CABLE	E	E
ELECTRICAL TRANSFORMER OR PEDESTAL	E	
POWER POLE		
POWER POLE WITH LIGHT		
GUY WIRE		
STREET SIGN		
GAS MAIN	G	G
TELEPHONE LINE	T	T
CONTOUR	749	749
SPOT ELEVATION	×(750.00)	×750.00
WETLANDS		
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	6" 6"	
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		
PROPERTY LINE		

ABBREVIATIONS

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

PROJECT LOCATION



LOCATION MAP
SCALE: 1" = 500'

GENERAL NOTES

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.
2. A GEOTECHNICAL REPORT FOR THIS SITE HAS BEEN PREPARED BY GEI CONSULTING ENGINEERS AND SCIENTISTS, DATED NOVEMBER 30, 2021. 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.
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.
4. THE CONTRACTOR SHALL PROMPTLY REPORT ANY ERRORS OR AMBIGUITIES LEARNED AS PART OF THEIR REVIEW OF PLANS, SPECIFICATIONS, REPORTS AND FIELD INVESTIGATIONS.
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.
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.
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.
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.
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.
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.
11. THE CONTRACTOR SHALL NOTIFY ALL INTERESTED GOVERNING AGENCIES, UTILITY COMPANIES AFFECTED BY THIS CONSTRUCTION PROJECT, AND DIGGER'S HOTLINE IN ADVANCE OF CONSTRUCTION TO COMPLY WITH ALL JURISDICTIONAL ORDINANCES/CODES/RULES/ETC., PERMIT STIPULATIONS, AND OTHER APPLICABLE STANDARDS.
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.
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."
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.
15. PRIOR TO CONSTRUCTION, A PRECONSTRUCTION MEETING MUST BE HELD AT THE VILLAGE OFFICES. THE PRECONSTRUCTION MEETING SHALL BE SCHEDULED AND MODERATED BY THE DESIGN ENGINEER OF RECORD.

CONTACTS

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BROOKFIELD, WI. 53186
(262) 754-8888

INDEX OF SHEETS

C1.00	COVER SHEET
C2.00	EXISTING CONDITIONS & DEMOLITION PLAN
C3.00 - C3.06	SITE DIMENSIONAL & PAVING PLAN
C4.00 - C4.06	GRADING PLAN
C5.00 - C5.10	STORM SEWER PLAN
C6.00 - C6.06	UTILITY PLAN
C7.00 - C7.06	SITE STABILIZATION PLAN
C8.00 - C8.03	CONSTRUCTION DETAILS
L1.00 - L3.00	LANDSCAPING PLANS

BENCHMARKS



NOTE:

BEARINGS REFERENCED TO DANE COUNTY COORDINATE SYSTEM. THE NORTH LINE OF THE SOUTHWEST 1/4 OF SECTION 33, TOWNSHIP 8 NORTH, RANGE 11 EAST HAS A BEARING OF N88°22'40"E.

REFERENCE BENCHMARK

BRONZE WISCONSIN DEPARTMENT OF TRANSPORTATION GEODETIC SURVEY CONTROL STATION DISK STAMPED 2V15 2002, PID DE9953, ELEVATION = 908.08.

SITE BENCHMARK NO.1

SPIKE IN UTILITY POLE
ELEVATION = 941.04

EXPIRATION DATE: JULY 31, 2022

DIGGERS HOTLINE
Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

PINNACLE ENGINEERING GROUP, LLC
ENGINEER'S LIMITATION

PINNACLE ENGINEERING GROUP, LLC AND THEIR CONSULTANTS DO NOT WARRANT OR GUARANTEE THE ACCURACY AND COMPLETENESS OF THE DELIVERABLES HEREIN BEYOND A REASONABLE DILIGENCE. IF ANY MISTAKES, OMISSIONS, OR DISCREPANCIES ARE FOUND TO EXIST WITHIN THE DELIVERABLES, THE ENGINEER SHALL BE PROMPTLY NOTIFIED PRIOR TO BID SO THAT HE MAY HAVE THE OPPORTUNITY TO TAKE WHATEVER STEPS NECESSARY TO RESOLVE THEM. FAILURE TO PROMPTLY NOTIFY THE ENGINEER OF SUCH CONDITIONS SHALL ABSOLVE THE ENGINEER FROM ANY RESPONSIBILITY FOR THE CONSEQUENCES OF SUCH FAILURE. ACTIONS TAKEN WITHOUT THE KNOWLEDGE AND CONSENT TO THE ENGINEER, OR IN CONTRADICTION TO THE ENGINEER'S DELIVERABLES OR RECOMMENDATIONS, SHALL BECOME THE RESPONSIBILITY NOT OF THE ENGINEER BUT OF THE PARTIES RESPONSIBLE FOR TAKING SUCH ACTION.

FURTHERMORE, PINNACLE ENGINEERING GROUP, LLC IS NOT RESPONSIBLE FOR CONSTRUCTION SAFETY OR THE MEANS AND METHODS OF CONSTRUCTION.

M+H ARCHITECTS

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WISCONSIN OFFICE:
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PROJECT SILVER EAGLE
INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

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COVER SHEET

C1.00

LEGEND

SAW CUT	(A) REMOVE EXISTING RETAINING WALL
REMOVE EXISTING UNDERGROUND UTILITY	(B) REMOVE EXISTING SIGN
REMOVE EXISTING BUILDING	(C) REMOVE EXISTING END SECTION
REMOVE EXISTING CONCRETE	(D) REMOVE EXISTING CULVERT
REMOVE EXISTING GRAVEL DRIVEWAY/SHOULDER	(E) REMOVE EXISTING SANITARY STRUCTURE
REMOVE EXISTING TREE LINE	(F) ABANDON EXISTING WELL
REMOVE EXISTING TREE	(G) RELOCATE EXISTING UTILITY POLE (BY OTHERS)
	(H) REMOVE EXISTING ELECTRICAL STRUCTURE (BY OTHERS)
	(I) REMOVE EXISTING GAS METER (BY OTHERS)
	(J) REMOVE EXISTING FENCE

GRAPHICAL SCALE (FEET) 0 1" = 120' 240'

N87°54'29"E 2666.71' NORTH LINE OF THE NW 1/4 SEC. 33, T8N, R11E

NW CORNER, NW 1/4 SEC. 33, T8N, R11E (FOUND ALUMINUM MON) N=500,349.058, E=806,052.840 (DANE COUNTY COORDINATE SYSTEM)

TAX KEY #112/0811-321-8311-1 UNPLATTED LANDS OWNER: VIKEN FAMILY INVESTMENTS FLP

TAX KEY #112/0811-333-8501-1 UNPLATTED LANDS OWNER: STAUFFACHER

TAX KEY #112/0811-332-8072-1 UNPLATTED LANDS OWNER: STAUFFACHER

TAX KEY #058/0811-332-8350-1 LOT 1 C.S.M. NO. 1831 OWNER: WALKER

TREE LINE

N88°08'33"E 2605.18'

S88°08'33"W 2605.18'

5' WISCONSIN POWER AND LIGHT COMPANY EASEMENT PER DOC. 938706

GRAVEL

DRIVE OPENING

667.86'

S01°59'11"W

COUNTY TRUNK HIGHWAY "N"

EXCEPTION PARCEL 1 LOT 2 C.S.M. NO. 15154 (Doc. Dated 2-15-2022)

ASPHALT PAVEMENT

SITE BENCHMARK: SPIKE IN UTILITY POLE EL.=941.04

APPROXIMATE LOCATION OF A WISCONSIN POWER AND LIGHT COMPANY EASEMENT PER DOC. 938384

PARCEL 1

TAX KEY NO. 112/0811-332-9001-1

PARCEL 2

TAX KEY NO. 112/0811-332-9501-1

N01°57'24"E 1318.40'

S88°22'40"W 994.44'

TAX KEY #112/0811-321-9501-1 UNPLATTED LANDS OWNER: VIKEN FAMILY INVESTMENTS FLP

SURVEYED PROPERTY
6,178,510 SQ. FT.
141.8391 ACRES

S02°13'12"W 661.48'

SEE ENLARGED VIEW "A" FOR DEMOLITION DETAILS

EXISTING BUILDING

EXCEPTION PARCEL 2 LOT 2 C.S.M. NO. 11491

TAX KEY #112/0811-332-9782-1 OWNER: SPACES SECURE SELF STORAGE LLC

REMOVE EXISTING TREES

WETLANDS DELINEATED BY BREESE & ASSOCIATES SEPTEMBER 14, 2018

CONSERVATION EASEMENT PER DOC. 4129485

27 X 20' SEPTIC EASEMENT PER CSM 11491

DRIVE OPENING

TAX KEY #112/0811-332-8791-1 LOT 1 C.S.M. NO. 11491 OWNER: SPACES SECURE SELF STORAGE LLC

NE CORNER, SW 1/4 (SE CORNER, NW 1/4) SEC. 33, T8N, R11E (FOUND ALUMINUM MON) N=497,788.903, E=870,614.755 (DANE COUNTY COORDINATE SYSTEM)

NW CORNER, SW 1/4 (SW CORNER, NW 1/4) SEC. 33, T8N, R11E (FOUND ALUMINUM MON) N=497,713.804, E=867962.806 (DANE COUNTY COORDINATE SYSTEM)

PARCEL 3 *TAX KEY NO. 112/0811-333-8626-2*

PARCEL 4 *TAX KEY NO. 112/0811-333-8611-1*

SWALE

TREE LINE

REMOVE EXISTING TREES

REMOVE EXISTING TREES

P.O.B.

LOT 5 SYLVER RIDGE OWNER: STAMPFLI TAX KEY #058/0811-324-0045-7

66' RESERVED FOR FUTURE DEDICATION AS PUBLIC ROAD RIGHT OF WAY PER PLAT OF SYLVER RIDGE

BRIDGE

SYLVER RIDGE LANE

PRIVATE ACCESS EASEMENT

LOT 6 SYLVER RIDGE OWNER: SCHWARZ REV TR TAX KEY #058/0811-324-0056-4

LOT 7 SYLVER RIDGE OWNER: CHRISTY TAX KEY #058/0811-324-0067-1

N89°36'36"W 50.02'

340.93'

N02°06'01"E

LOT 1 C.S.M. NO. 14498 OWNER: HEINEMANN RENTALS & INVESTMENTS LLC TAX KEY #058/0811-333-8410-0

N83°35'48"W 61.61'

EXISTING BUILDING

94.89'

N02°38'09"E

S85°40'09"W 15.13'

LOT 2 C.S.M. NO. 14498 OWNER: HEINEMANN RENTALS & INVESTMENTS LLC TAX KEY #058/0811-333-8735-0

TAX KEY #058/0811-333-8761-0 UNPLATTED LANDS OWNER: SIMPSON

CONC.

DRIVE OPENING

S85°40'09"W 320.00'

TAX KEY #058/0811-333-8771-0 UNPLATTED LANDS OWNER: BATES

TAX KEY #058/0811-333-8780-0 UNPLATTED LANDS OWNER: VIKEN

DRIVE OPENING

136.00'

N02°38'09"E

S85°33'07"W 267.43'

SEE ENLARGED VIEW "D" FOR DEMOLITION DETAILS

TREE LINE

C2

C1

GRAVEL

DRIVE OPENING

CONCRETE CURB

ASPHALT PAVEMENT

S86°00'47"W 232.99'

EXISTING BUILDING

TAX KEY #112/0811-333-8883-1 LOT 1 C.S.M. NO. 1079 OWNER: YANG

164.89'

S03°59'13"E

N03°59'13"W 172.11'

SEE ENLARGED VIEW "C" FOR DEMOLITION DETAILS

S01°59'53"W 124.42'

N88°00'07"W 75.00'

S01°59'53"W 121.00'

EXISTING BUILDING

TAX KEY #058/0811-333-8390-2 UNPLATTED LANDS OWNER: I-94 LLC

ASPHALT PAVEMENT

DRIVE OPENING

CONC.

COUNTY TRUNK HIGHWAY "TT"

TAX KEY #112/0811-333-8400-1 UNPLATTED LANDS OWNER: GLADEM

TEMPORARY LIMITED EASEMENT PER DOC. 4615491

200.00'

S03°59'55"W

N88°22'40"E 386.40'

424.87' MATCH LINE

S01°59'53"W 8.74'

S51°27'35"W 45.53'

S01°41'47"W 175.03'

S01°15'57"E 145.38'

S01°58'22"W 250.98'

COUNTY TRUNK HIGHWAY "N"

DRIVE OPENING

LOT 1 C.S.M. NO. 15241

TEMPORARY LIMITED EASEMENT PER DOC. 4615491

S06°35'29"E 106.15'

CONCRETE DRIVE 0.8' NORTH OF PROPERTY LINE

S01°59'53"W 43.63'

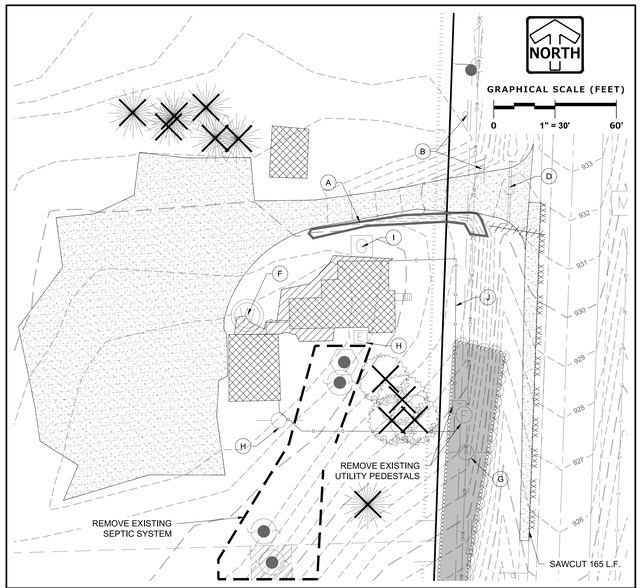
TAX KEY #058/0811-333-8410-7 UNPLATTED LANDS OWNER: SPANGLER

N87°35'07"W 189.60'

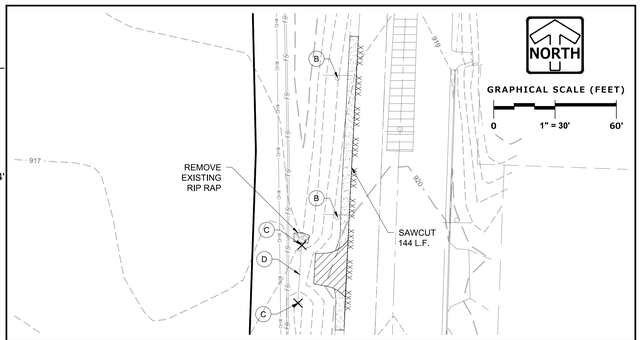
SE CORNER, SW 1/4 SEC. 33, T8N, R11E (FOUND CONC. MON. W/ ALUMINUM CAP) N=495,153.067, E=870,512.589 (DANE COUNTY COORDINATE SYSTEM)

POND

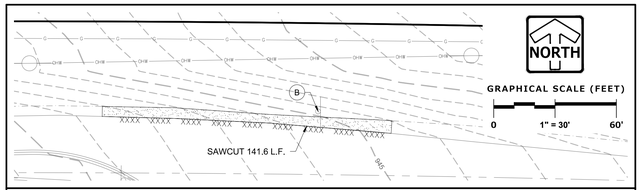
ENLARGED VIEW A



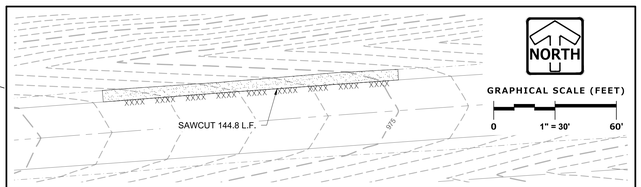
ENLARGED VIEW B



ENLARGED VIEW C



ENLARGED VIEW D



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INTERSECTION OF HIGHWAY N & HIGHWAY TT
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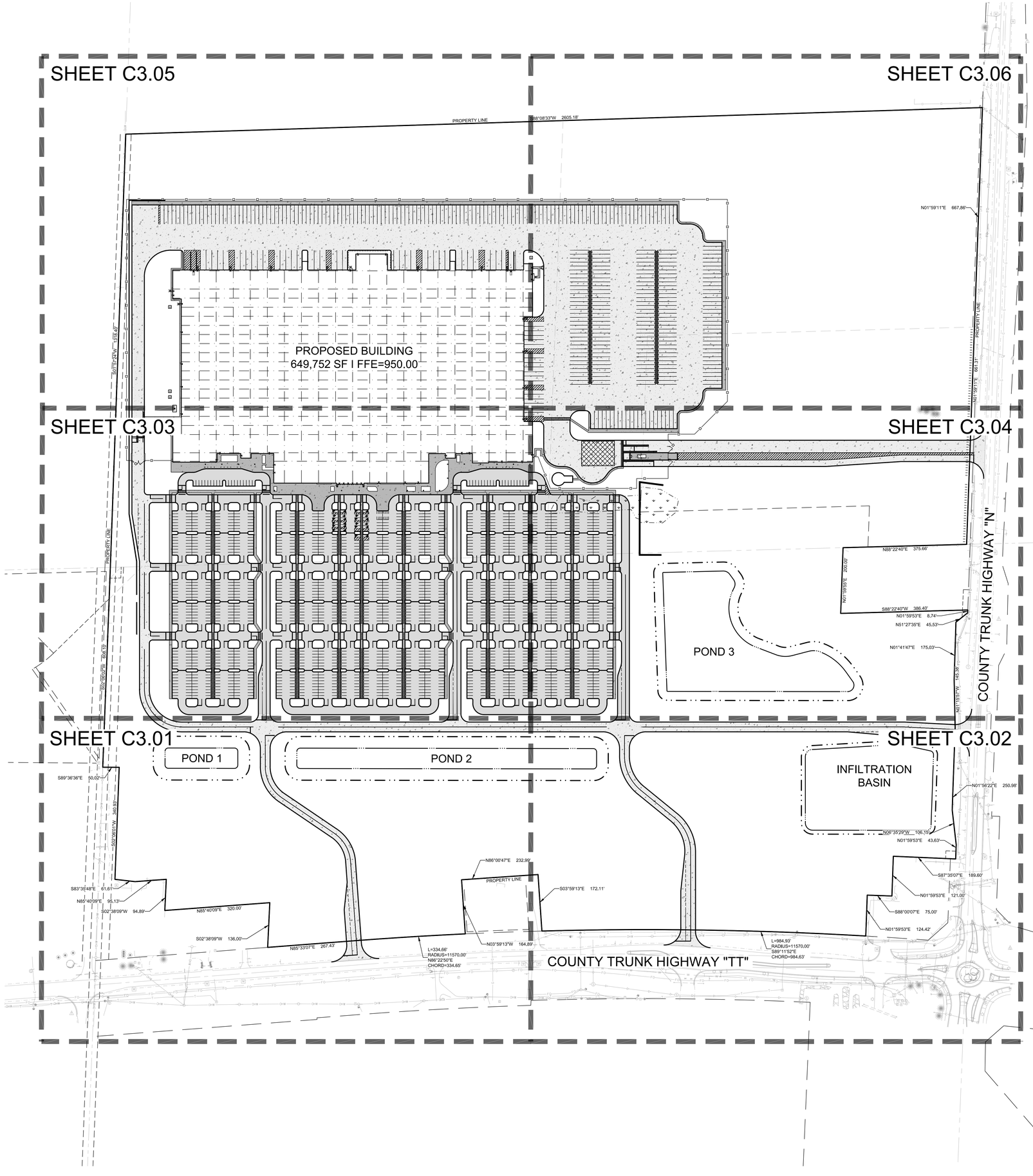
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EXISTING CONDITIONS & DEMOLITION PLAN

C2.00



NORTH

GRAPHICAL SCALE (FEET)

0 1" = 120' 240'

SITE DATA

SITE AREA =	6,182,966 SQ. FT / 141.94 AC
BUILDING FOOTPRINT =	649,752 SQ. FT. / 14.92 AC / 10.5%
IMPERVIOUS AREA =	2,470,313 SQ. FT. / 56.71 AC / 39.95%
GREEN SPACE =	3,712,653 SQ. FT. / 85.23 AC / 60.05%
PARKING PROVIDED (9'x18'):	1714 (24 ADA)
ADA REQUIREMENTS:	5 SPACES (1 VAN ACCESSIBLE)
ADA PROVIDED:	24 SPACES (6 VAN ACCESSIBLE)
PARKING RATIO TO FLOOR AREA:	2.64 SPACES PER 1000 S.F.
MOTORCYCLE PARKING:	16 SPACES
LOADING DOCKS:	57 SPACES
TRAILER PARKING:	381 SPACES

LEGEND

- STANDARD DUTY PAVEMENT
  - 8" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED VIRGIN LIMESTONE)
  - 5" ASPHALTIC CONC. (3 LIFTS)
  - 3" LOWER LAYER (3MT 58-28S, 2 - 2" LIFTS)
  - 2" UPPER LAYER (5MT 58-28S)
- STANDARD DUTY CONCRETE PAVEMENT
  - 6" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED VIRGIN LIMESTONE)
  - 6" PCC (4000 PSI AIR ENTRAINED CONCRETE)
- HEAVY DUTY CONCRETE PAVEMENT
  - 6" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED VIRGIN LIMESTONE)
  - 8" PCC (4000 PSI AIR ENTRAINED CONCRETE)
- CONCRETE SIDEWALK
  - 5" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED LIMESTONE)
  - 4" PCC (4000 PSI AIR ENTRAINED CONCRETE)
- (A) 18" CURB & GUTTER (SEE DETAIL)
- (B) 18" REVERSE CURB & GUTTER (SEE DETAIL)
- (C) TAPER CURB HEAD (SEE DETAIL)
- (D) BUILDING DOOR SLAB (2% MAX SLOPE WITHIN 5-FT OF DRIVE IN OR MAN DOOR)
- (E) 48" VERTICAL FACE CURB
- (15) PARKING COUNT (FOR INFORMATION ONLY, NOT TO BE PAINTED)
- MAN DOOR
- D.I.D OVERHEAD DOOR

SITE AND DIMENSIONAL PLAN NOTES

1. ALL DIMENSIONS ARE EDGE OF PAVEMENT, FACE OF CURB, SHOULDER, OR CENTER OF LANE LINE UNLESS NOTED OTHERWISE. ALL UTILITY DIMENSIONS ARE TO OUTSIDE OF PIPE OR CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
2. ALL PROPOSED CURB AND GUTTER SHALL BE 18" STANDARD CURB AND GUTTER (SEE DETAIL). UNLESS OTHERWISE NOTED. CURB AND GUTTER DRAINING AWAY FROM THE FACE OF CURB IS NOTED AS REVERSE CURB AND GUTTER.
3. 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.
4. 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.
5. 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.
6. REFER TO ELECTRICAL PLANS FOR LIGHTING LOCATIONS, SPECIFICATIONS, AND DETAILS.
7. SEE ADDITIONAL NOTES AND DETAILS ON CONSTRUCTION DETAILS.
8. ALL PAVING SHALL CONFORM TO STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY & STRUCTURE CONSTRUCTION, LATEST EDITION AND APPLICABLE VILLAGE OF COTTAGE GROVE ORDINANCES, AND SPECIFICATIONS CONTAINED WITHIN THIS PLAN SET.
9. CONTRACTOR SHALL CONSULT STRIPING COLOR WITH OWNER PRIOR TO CONSTRUCTION.
10. 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.
11. 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.
12. 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.
13. 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.
14. PROTECT ADJACENT CURBS, WALKS, FENCES, AND OTHER ITEMS FROM RECEIVING PAINT.
15. BARRICADE MARKED AREAS DURING INSTALLATION AND UNTIL THE MARKING PAINT IS DRIED AND READY FOR TRAFFIC.
16. 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, LATEST EDITION, HEREAFTER,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.

    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.
17. TRAFFIC CONTROL SHALL BE PER M.U.T.C.D.
18. PUBLIC CURB & GUTTER REPLACEMENT SHALL BE TIED TO EXISTING CURB & GUTTER WITH #4 TIE BARS. PUBLIC CURB & GUTTER SHALL BE A 6-BAG MIX.
19. TIE BARS: PLACE AT ALL LONGITUDINAL JOINTS IN ENTRANCE AREAS/ROADS PER WISDOT 13C01. PLACE IN CURB AND GUTTER PER WISDOT 8D01.

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PEG JOB#: 1590.00A

PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

PIP SUBMISSION
01-19-2022
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REVISION:

Sheet Issue Date:	01-19-22
Job Number:	21054.00
Drawn By:	MRG
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Drawing Title:	

SITE DIMENSIONAL & PAVING PLAN OVERVIEW

C3.00

MATCHLINE

SEE SHEET C3.03

SEE SHEET C3.02

POND 1
NWL=937.50
HWL=946.41

POND 2
NWL=937.50
HWL=946.39

R25.0'
R50.0'
30.0'
R130.0'
A
45.0'
9.28'
105.3'

PROPERTY LINE

S89°36'36"E 50.02'

APPROXIMATE LOCATION OF A WISCONSIN POWER AND LIGHT COMPANY EASEMENT

S22°06'03"W 340.95'

S83°35'48"E 61.67'

N85°40'09"E 95.13'

S02°36'05"W 84.89'

N85°40'09"E 320.00'

S02°36'05"W 136.00'

N85°33'07"E 267.43'

L=334.66'
RADIUS=11570.00'
N86°22'50"E
CHORD=334.65'

N86°00'47"E 232.99'

N00°59'13"W 164.89'

225.0' R.O.W.

COUNTY TRUNK HIGHWAY "TT"

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

LEGEND

- STANDARD DUTY PAVEMENT
  - 8" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED VIRGIN LIMESTONE)
  - 5" ASPHALTIC CONC. (3 LIFTS)
    3" LOWER LAYER (3MT 58-28S, 2 - 2" LIFTS)
    2" UPPER LAYER (5MT 58-28S)
- STANDARD DUTY CONCRETE PAVEMENT
  - 6" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED VIRGIN LIMESTONE)
  - 6" PCC (4000 PSI AIR ENTRAINED CONCRETE)
- HEAVY DUTY CONCRETE PAVEMENT
  - 6" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED VIRGIN LIMESTONE)
  - 8" PCC (4000 PSI AIR ENTRAINED CONCRETE)
- CONCRETE SIDEWALK
  - 5" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED LIMESTONE)
  - 4" PCC (4000 PSI AIR ENTRAINED CONCRETE)
- (A) 18" CURB & GUTTER (SEE DETAIL)
- (B) 18" REVERSE CURB & GUTTER (SEE DETAIL)
- (C) TAPER CURB HEAD (SEE DETAIL)
- (D) BUILDING DOOR SLAB (2% MAX SLOPE WITHIN 5-FT OF DRIVE IN OR MAN DOOR)
- (E) 48" VERTICAL FACE CURB
- (15) PARKING COUNT (FOR INFORMATION ONLY, NOT TO BE PAINTED)
- MAN DOOR
- D.I.D. OVERHEAD DOOR

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SITE DIMENSIONAL & PAVING PLAN

C3.01

POND 3
NWL=925.00
HWL=931.98

MATCHLINE

SEE SHEET C3.04

SEE SHEET C3.01

POND 2
NWL=937.50
HWL=946.39

INFILTRATION BASIN
NSI=924.00
TOP OF BERM=927.00

R25.0'
R50.0'
30.0'
R150.0'
45.0'
169.5'
153.0'
120.5' R.O.W.
PROPERTY LINE
N01°56'24"E 265.98'
N00°35'29"W 100.15'
N01°59'45"E 43.63'
TEMPORARY
LIMITED EASEMENT
S87°35'07"E 189.60'
N01°56'24"E 121.05'
S88°00'07"E 75.00'
N01°56'00"E 124.42'
145.9' R.O.W.
S03°58'43"E 129.11'
L=984.93'
RADIUS=11570.00'
S89°11'52"E
CHORD=984.63'
107.9'
114.2'
210.0' R.O.W.

COUNTY TRUNK HIGHWAY "TT"

COUNTY TRUNK HIGHWAY "N"

LEGEND

- STANDARD DUTY PAVEMENT
  - 8" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED VIRGIN LIMESTONE)
  - 5" ASPHALTIC CONC. (3 LIFTS)
    - 3" LOWER LAYER (3MT 58-28S, 2 - 2" LIFTS)
    - 2" UPPER LAYER (5MT 58-28S)
- STANDARD DUTY CONCRETE PAVEMENT
  - 6" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED VIRGIN LIMESTONE)
  - 6" PCC (4000 PSI AIR ENTRAINED CONCRETE)
- HEAVY DUTY CONCRETE PAVEMENT
  - 6" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED VIRGIN LIMESTONE)
  - 8" PCC (4000 PSI AIR ENTRAINED CONCRETE)
- CONCRETE SIDEWALK
  - 5" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED LIMESTONE)
  - 4" PCC (4000 PSI AIR ENTRAINED CONCRETE)
- (A) 18" CURB & GUTTER (SEE DETAIL)
- (B) 18" REVERSE CURB & GUTTER (SEE DETAIL)
- (C) TAPER CURB HEAD (SEE DETAIL)
- (D) BUILDING DOOR SLAB (2% MAX SLOPE WITHIN 5-FT OF DRIVE IN OR MAN DOOR)
- (E) 48" VERTICAL FACE CURB
- 15 PARKING COUNT (FOR INFORMATION ONLY, NOT TO BE PAINTED)
- MAN DOOR
- D.I.D OVERHEAD DOOR

NORTH

GRAPHICAL SCALE (FEET)
0 1" = 40' 80'

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VILLAGE OF COTTAGE GROVE, WI

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SITE DIMENSIONAL & PAVING PLAN

C3.02

MATCHLINE

SEE SHEET C3.05

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

PROPOSED BUILDING
649,752 SF I FFE=950.00

SEE SHEET C3.04

MATCHLINE

SEE SHEET C3.01

PROPOSED FENCE

PROPOSED RETAINING WALL

APPROXIMATE LOCATION OF A WISCONSIN POWER AND LIGHT COMPANY EASEMENT

66' RESERVED FOR FUTURE DEDICATION AS PUBLIC ROAD RIGHT OF WAY

PROPERTY LINE

S01°52'24"W 1318.48'

S02°06'02"W 608.10'

178.3'

144.4'

POND 1
NWL=937.50
HWL=946.41

POND 2
NWL=937.50
HWL=946.39

LEGEND

- STANDARD DUTY PAVEMENT
  - 8" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED VIRGIN LIMESTONE)
  - 5" ASPHALTIC CONC. (3 LIFTS)
    3" LOWER LAYER (3MT 58-28S, 2 - 2" LIFTS)
    2" UPPER LAYER (5MT 58-28S)
- STANDARD DUTY CONCRETE PAVEMENT
  - 6" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED VIRGIN LIMESTONE)
  - 6" PCC (4000 PSI AIR ENTRAINED CONCRETE)
- HEAVY DUTY CONCRETE PAVEMENT
  - 6" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED VIRGIN LIMESTONE)
  - 8" PCC (4000 PSI AIR ENTRAINED CONCRETE)
- CONCRETE SIDEWALK
  - 5" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED LIMESTONE)
  - 4" PCC (4000 PSI AIR ENTRAINED CONCRETE)
- (A) 18" CURB & GUTTER (SEE DETAIL)
- (B) 18" REVERSE CURB & GUTTER (SEE DETAIL)
- (C) TAPER CURB HEAD (SEE DETAIL)
- (D) BUILDING DOOR SLAB (2% MAX SLOPE WITHIN 5-FT OF DRIVE IN OR MAN DOOR)
- (E) 48" VERTICAL FACE CURB
- 15 PARKING COUNT (FOR INFORMATION ONLY, NOT TO BE PAINTED)
- MAN DOOR
- D.I.D OVERHEAD DOOR

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PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

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Drawing Title:

SITE DIMENSIONAL & PAVING PLAN

C3.03

MATCHLINE

SEE SHEET C3.06

SEE SHEET C3.03

MATCHLINE

SEE SHEET C3.02

MATCHLINE

POND 3
NWL=925.00
HWL=931.98

POND 2
NWL=937.50
HWL=946.39

PROPOSED FENCE

WETLAND DELINEATED BY BREESE & ASSOCIATES SEPTEMBER 14, 2018

PROPOSED RETAINING WALL

125.0' CONSERVATION EASEMENT

DRIVE ACCESS EASEMENT

NO ACCESS EASEMENT

TEMPORARY LIMITED EASEMENT

PROPERTY LINE

N88°22'40"E 375.66'

S88°22'40"W 386.40'

N01°59'53"E 200.00'

N01°59'53"E 8.74'

N01°59'53"E 40.53'

N01°41'47"E 175.03'

N01°59'53"E 661.31'

227.5'

201.8'

60.0'

65.0'

100.0' R.O.W.

COUNTY TRUNK HIGHWAY "N"

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

NORTH

LEGEND

- STANDARD DUTY PAVEMENT
  - 8" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED VIRGIN LIMESTONE)
  - 5" ASPHALTIC CONC. (3 LIFTS)
    - 3" LOWER LAYER (3MT 58-28S, 2 - 2" LIFTS)
    - 2" UPPER LAYER (5MT 58-28S)
- STANDARD DUTY CONCRETE PAVEMENT
  - 6" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED VIRGIN LIMESTONE)
  - 6" PCC (4000 PSI AIR ENTRAINED CONCRETE)
- HEAVY DUTY CONCRETE PAVEMENT
  - 6" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED VIRGIN LIMESTONE)
  - 8" PCC (4000 PSI AIR ENTRAINED CONCRETE)
- CONCRETE SIDEWALK
  - 5" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED LIMESTONE)
  - 4" PCC (4000 PSI AIR ENTRAINED CONCRETE)
- (A) 18" CURB & GUTTER (SEE DETAIL)
- (B) 18" REVERSE CURB & GUTTER (SEE DETAIL)
- (C) TAPER CURB HEAD (SEE DETAIL)
- (D) BUILDING DOOR SLAB (2% MAX SLOPE WITHIN 5-FT OF DRIVE IN OR MAN DOOR)
- (E) 48" VERTICAL FACE CURB
- (15) PARKING COUNT (FOR INFORMATION ONLY, NOT TO BE PAINTED)
- MAN DOOR
- O.H.D OVERHEAD DOOR

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PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

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Checked By:	TGM

Drawing Title:

SITE DIMENSIONAL & PAVING PLAN

C3.04

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

LEGEND

- STANDARD DUTY PAVEMENT
  - 8" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED VIRGIN LIMESTONE)
  - 5" ASPHALTIC CONC. (3 LIFTS)
    - 3" LOWER LAYER (3MT 58-28S, 2 - 2" LIFTS)
    - 2" UPPER LAYER (5MT 58-28S)
- STANDARD DUTY CONCRETE PAVEMENT
  - 6" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED VIRGIN LIMESTONE)
  - 6" PCC (4000 PSI AIR ENTRAINED CONCRETE)
- HEAVY DUTY CONCRETE PAVEMENT
  - 6" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED VIRGIN LIMESTONE)
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- CONCRETE SIDEWALK
  - 5" CRUSHED AGGREGATE BASE COURSE (¾" DENSE GRADED LIMESTONE)
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- (A) 18" CURB & GUTTER (SEE DETAIL)
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- (C) TAPER CURB HEAD (SEE DETAIL)
- (D) BUILDING DOOR SLAB (2% MAX SLOPE WITHIN 5-FT OF DRIVE IN OR MAN DOOR)
- (E) 48" VERTICAL FACE CURB
- (15) PARKING COUNT (FOR INFORMATION ONLY, NOT TO BE PAINTED)
- MAN DOOR
- D.I.D. OVERHEAD DOOR

SEE SHEET C3.06

PROPERTY LINE

S88°08'33"W 2605.18'

PROPERTY LINE

417.6'

PROPOSED FENCE

APPROXIMATE LOCATION OF A WISCONSIN POWER AND LIGHT COMPANY EASEMENT

PROPOSED RETAINING WALL

S01°57'24"W 1318.49'

58.0'

12.0'

80.0'

60.0'

R80.0'

157.4'

R10.0'

RETAINING WALL

R5.0' R5.0' R5.0' R5.0'

17.0'

R3.0' R3.0'

RETAINING WALL

R10.0'

5.0'

38.0'

PROPOSED BUILDING
649,752 SF I FFE=950.00

MATCHLINE

MATCHLINE

SEE SHEET C3.03

M+H ARCHITECTS

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PEG JOB#: 1550.00A

PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

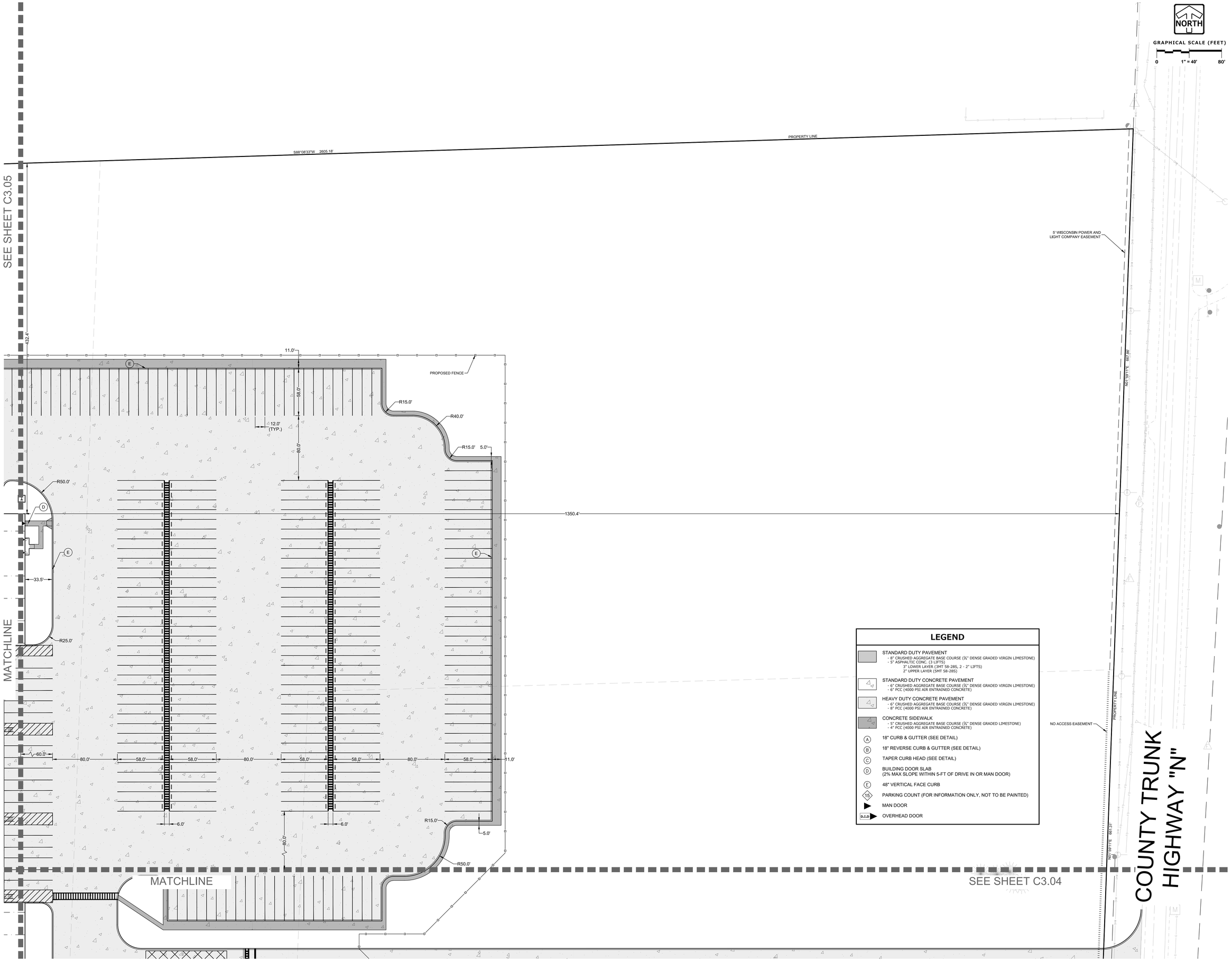
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SITE DIMENSIONAL & PAVING PLAN

C3.05



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INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

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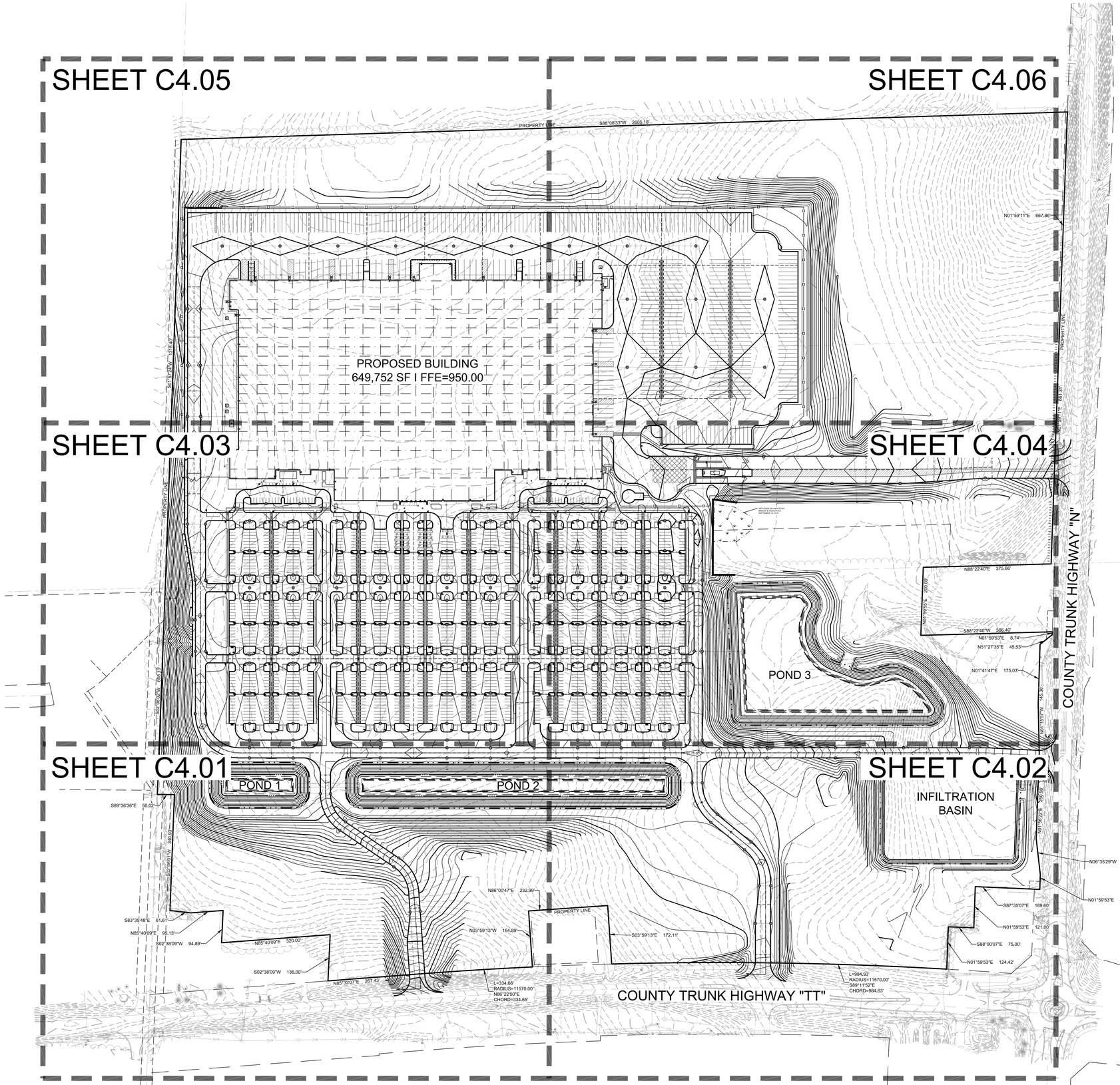
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SITE DIMENSIONAL & PAVING PLAN

C3.06



NORTH

GRAPHICAL SCALE (FEET)

0 1" = 120' 240'

LEGEND

- PROPOSED FLARED END SECTION
- STORM CATCH BASIN
- CURB CATCH BASIN
- 740 PROPOSED CONTOUR
- 740 PROPOSED TOPSOIL CONTOUR
- 750.00 SPOT ELEVATION
- TW TOP OF WALL
- BW BOTTOM OF WALL
- DIRECTION OF SURFACE FLOW
- OVERFLOW RELIEF ROUTING
- DITCH OR SWALE
- NORMAL WATER LEVEL (NWL)
- HIGH WATER LEVEL (HWL)

GRADING NOTES

1. 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.
2. ALL EXISTING CONTOURS REPRESENT EXISTING SURFACE GRADES UNLESS OTHERWISE NOTED. ALL PROPOSED GRADES SHOWN ARE FINISH SURFACE GRADES UNLESS OTHERWISE NOTED.
3. SPOT ELEVATIONS REPRESENT THE GRADE ALONG THE CURB AND GUTTER FLOWLINE UNLESS OTHERWISE NOTED.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. CONTRACTOR SHALL COMPLY WITH ALL VILLAGE OF COTTAGE GROVE AND DANE COUNTY CONSTRUCTION STANDARDS/ORDINANCES.
16. LANDSCAPE AND TURF AREAS SHALL HAVE A MINIMUM OF 4-INCH TOPSOIL REPLACEMENT.
17. TOPSOIL BERMING SHALL ACHIEVE 90% STANDARD PROCTOR DENSITY AT 3%(±) OPTIMUM MOISTURE CONTENT.
18. 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.

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PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

PIP SUBMISSION
01-19-2022
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REVISION:

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Drawing Title:

GRADING PLAN OVERVIEW

C4.00

MATCHLINE

SEE SHEET C4.03

SEE SHEET C4.02

POND 1
NWL=937.50
HWL=946.41

POND 2
NWL=937.50
HWL=946.39

PROPERTY LINE

S89°36'36"E 50.02

APPROXIMATE LOCATION OF A WISCONSIN POWER AND LIGHT COMPANY EASEMENT

S02°40'03"W 340.93'

S83°35'48"E 61.61'

N85°40'09"E 95.13'

N04°36'08"W 84.89'

N85°40'09"E 320.00'

S02°36'09"W 136.00'

N86°33'51"E 361.44'

PROPERTY LINE

977.46 EX

TIE IN TO FUTURE IMPROVEMENTS

976.61 EX

976.19 EX

974.75 EX

225.0' R.O.W.

L=334.66'
RADIUS=11570.00'
N86°22'50"E
CHORD=334.65'

N85°00'47"E 232.99'

N00°59'13"W 84.89'

COUNTY TRUNK HIGHWAY "TT"

MATCHLINE

LEGEND

- PROPOSED FLARED END SECTION
- STORM CATCH BASIN
- CURB CATCH BASIN
- PROPOSED CONTOUR
- PROPOSED TOPSOIL CONTOUR
- SPOT ELEVATION
- TOP OF WALL
- BOTTOM OF WALL
- DIRECTION OF SURFACE FLOW
- OVERFLOW RELIEF ROUTING
- DITCH OR SWALE
- NORMAL WATER LEVEL (NWL)
- HIGH WATER LEVEL (HWL)

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

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VILLAGE OF COTTAGE GROVE, WI

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GRADING PLAN

C4.01

POND 3
NWL=925.00
HWL=931.98

POND 2
NWL=937.50
HWL=946.39

INFILTRATION BASIN
NSI=924.00
TOP OF BERM=927.00

MATCHLINE

SEE SHEET C4.04

SEE SHEET C4.01

MATCHLINE

COUNTY TRUNK HIGHWAY "TT"

COUNTY TRUNK HIGHWAY "N"

PROPERTY LINE

25.0' WIDE EMERGENCY SPILLWAY

TIE IN TO FUTURE IMPROVEMENTS

TEMPORARY LIMITED EASEMENT

120.5' R.O.W.

145.9' R.O.W.

210.0' R.O.W.

L=984.93'
RADIUS=11570.00'
S89°11'52"E
CHORD=984.63'

N01°56'22"E 250.98'

S87°35'07"E 189.60'

S88°00'07"E 75.00'

N01°59'53"E 124.74'

N01°59'53"E 121.00'

N00°35'29"W 100.15'

N01°59'53"E 43.63'

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

LEGEND

- PROPOSED FLARED END SECTION
- STORM CATCH BASIN
- CURB CATCH BASIN
- PROPOSED CONTOUR
- PROPOSED TOPSOIL CONTOUR
- SPOT ELEVATION
- TW TOP OF WALL
- BW BOTTOM OF WALL
- DIRECTION OF SURFACE FLOW
- OVERFLOW RELIEF ROUTING
- DITCH OR SWALE
- NORMAL WATER LEVEL (NWL)
- HIGH WATER LEVEL (HWL)

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PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

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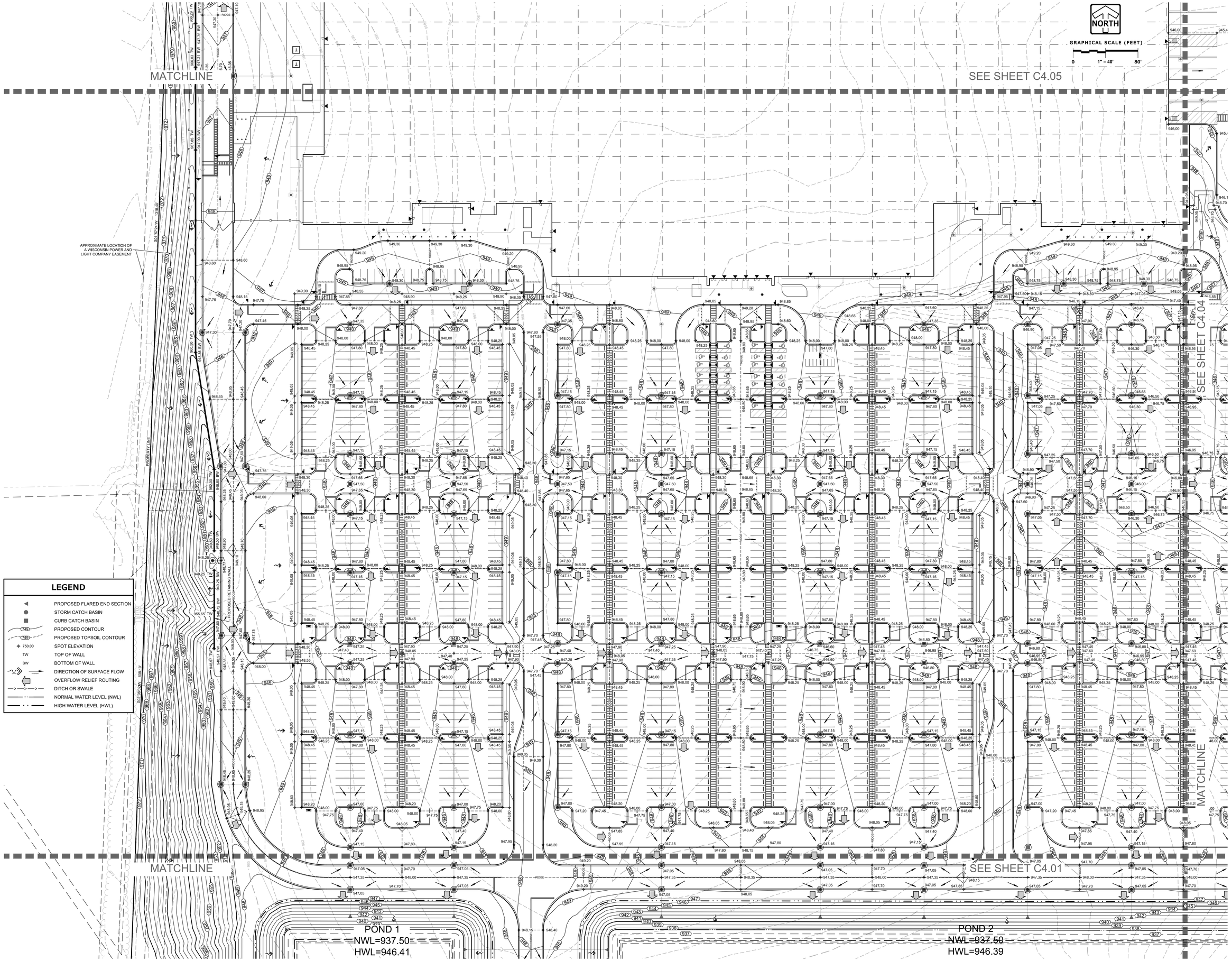
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GRADING PLAN

C4.02



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PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

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GRADING PLAN

C4.03

MATCHLINE

SEE SHEET C4.06

SEE SHEET C4.03

MATCHLINE

MATCHLINE

SEE SHEET C4.02

PROPOSED GUARD HOUSE
FFE = 945.40

WETLANDS DELINEATED BY
BREESE & ASSOCIATES
SEPTEMBER 14, 2018

PROPOSED RETAINING WALL

125.0' CONSERVATION EASEMENT

DRIVE ACCESS EASEMENT

NO ACCESS EASEMENT

TIE IN TO FUTURE IMPROVEMENTS

TEMPORARY
LIMITED EASEMENT

PROPERTY LINE

N88°22'40"E 375.66'

S88°22'40"W 386.40'

N01°59'53"E 8.74'

N01°59'53"E 200.00'

N01°59'53"E 663.31'

N01°41'47"E 175.03'

N01°47'07"E 145.38'

100.0' R.O.W.

30.0' WIDE
SPILLWAY

POND 3
NWL=925.00
HWL=931.98

POND 2
NWL=937.50
HWL=946.39

930.20 TW
929.96 BW

934.56 BW
943.69 TW

933.11 TW
933.11 BW

931.24 BW
931.02 TW

931.93 EX

929.89 EX

929.60

928.54 EX

928.85

927.25 EX

925.37 EX

915.66 EX

914.20 EX

916.85 EX

919.48 EX

920.07 EX

920.69 EX

LEGEND

- PROPOSED FLARED END SECTION
- STORM CATCH BASIN
- CURB CATCH BASIN
- PROPOSED CONTOUR
- PROPOSED TOPSOIL CONTOUR
- SPOT ELEVATION
- TW TOP OF WALL
- BW BOTTOM OF WALL
- DIRECTION OF SURFACE FLOW
- OVERFLOW RELIEF ROUTING
- DITCH OR SWALE
- NORMAL WATER LEVEL (NWL)
- HIGH WATER LEVEL (HWL)

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

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PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

COUNTY TRUNK HIGHWAY "N"

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GRADING PLAN

C4.04

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

S88°08'33"W 2605.18'

PROPERTY LINE

SEE SHEET C4.06

PROPOSED BUILDING
649,752 SF I FFE=950.00

PROPOSED RETAINING WALL

APPROXIMATE LOCATION OF A WISCONSIN POWER AND LIGHT COMPANY EASEMENT

MATCHLINE

SEE SHEET C4.03

LEGEND

- PROPOSED FLARED END SECTION
- STORM CATCH BASIN
- CURB CATCH BASIN
- PROPOSED CONTOUR
- PROPOSED TOPSOIL CONTOUR
- 750.00 SPOT ELEVATION
- TW TOP OF WALL
- BW BOTTOM OF WALL
- DIRECTION OF SURFACE FLOW
- OVERFLOW RELIEF ROUTING
- DITCH OR SWALE
- NORMAL WATER LEVEL (NWL)
- HIGH WATER LEVEL (HWL)

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PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

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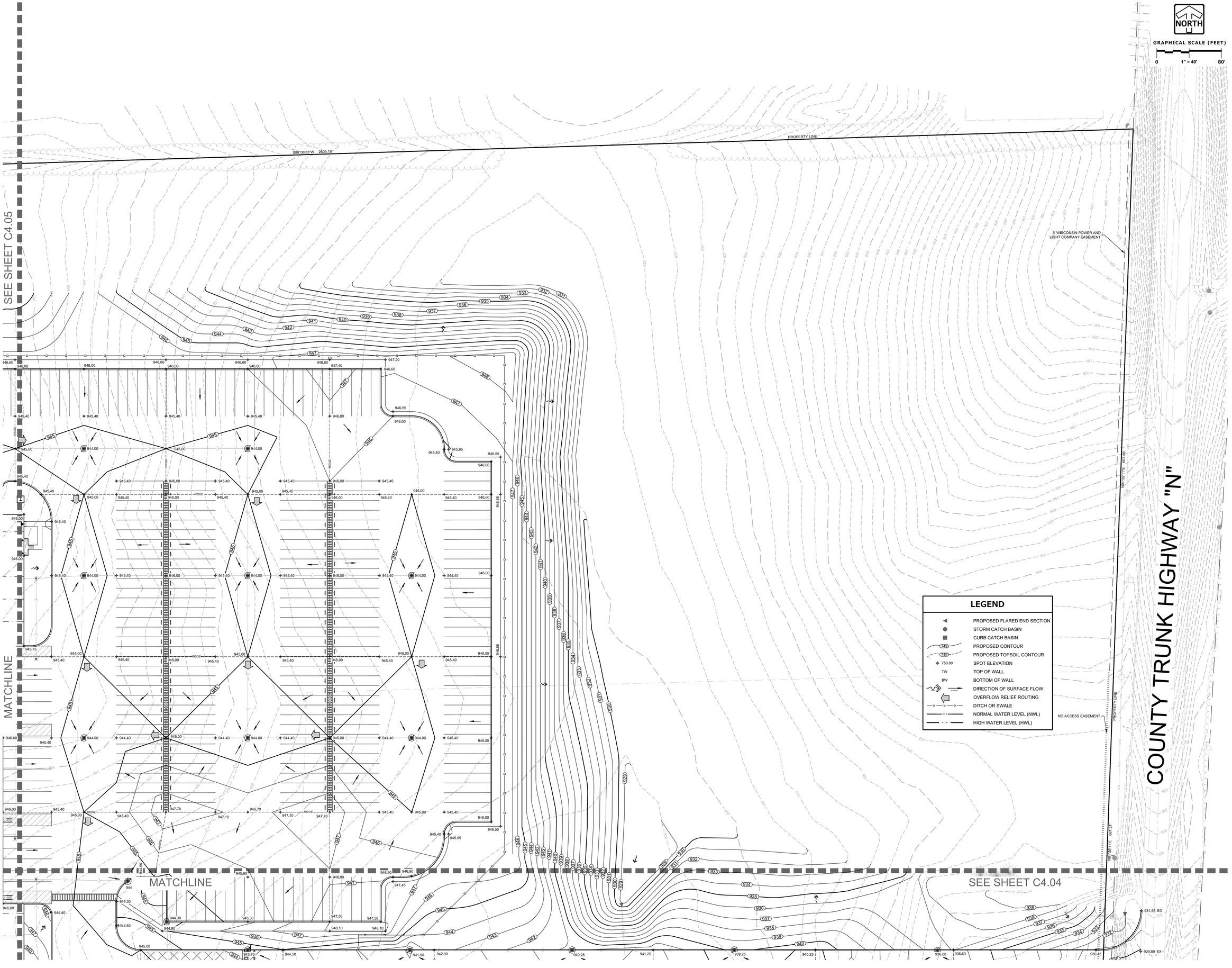
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GRADING PLAN

C4.05



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PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

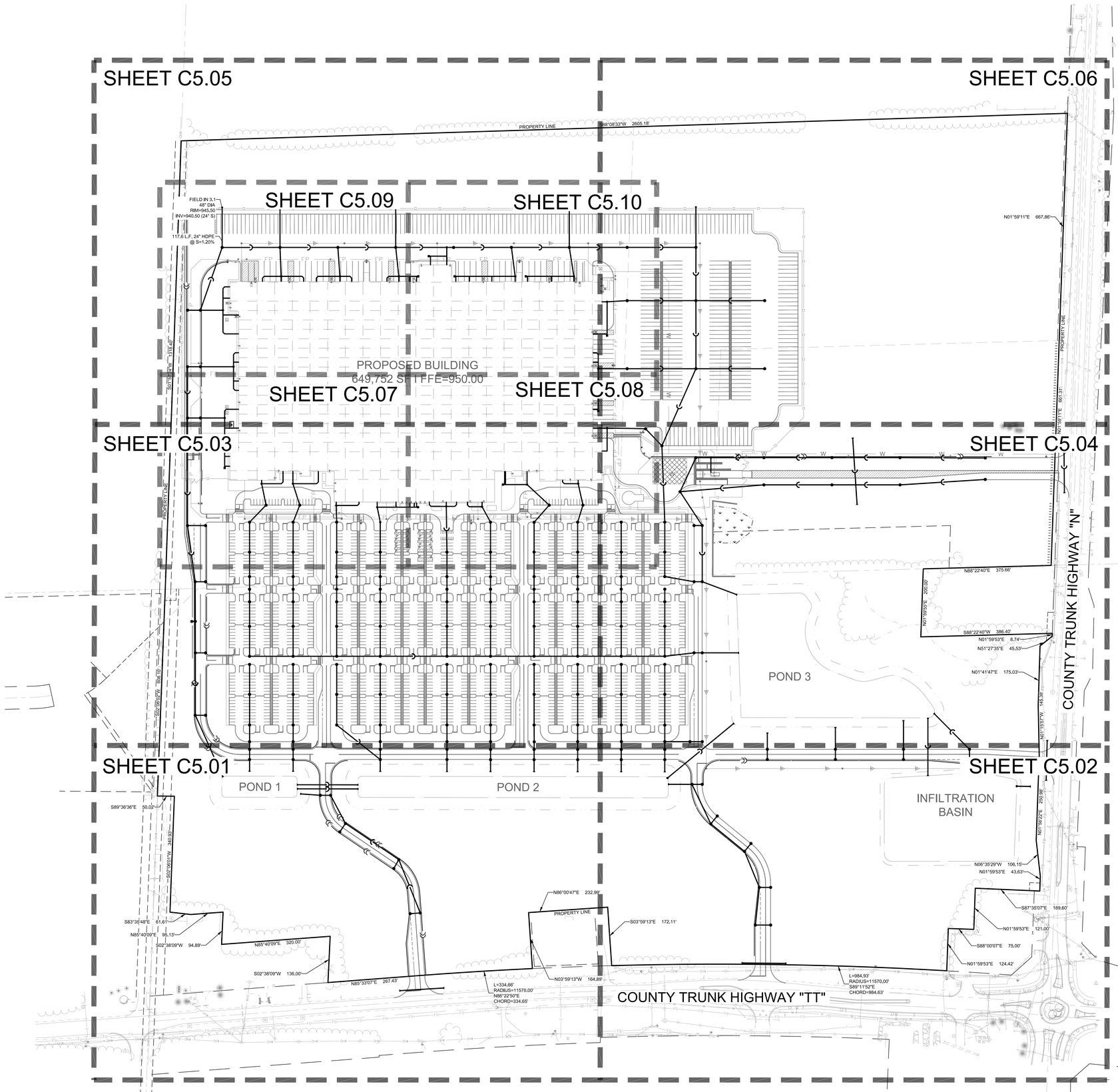
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GRADING PLAN

C4.06



NORTH

GRAPHICAL SCALE (FEET)

0 1" = 120' 240'

UTILITY 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 COTTAGE GROVE STANDARDS AND SPECIFICATIONS AND WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES SPS 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, EXCEPT WATER MAINS IDENTIFIED AS PUBLIC.
8. THE CONTRACTOR SHALL CONTACT THE VILLAGE OF COTTAGE GROVE PUBLIC WORKS DEPARTMENT 48-HOURS IN ADVANCE OF SANITARY, WATER AND STORM CONNECTIONS TO THE TOWN-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 .
14. IF HDPE PIPE IS USED FOR POND OUTFALLS, A MINIMUM OF THREE (3) SECTIONS (2 STRAPS) SHALL BE STRAPPED TOGETHER.
15. TRACER WIRE SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THESE CODE SECTIONS AS PER 182.0715(2R) OF THE STATUTES. TRACER WIRE: COPPERHEAD TRACERWIRE #10 SOLID CCS SUPERFLEX (BLUE). WIRE CONNECTORS SHALL BE SNAKEBITE (BLUE) MADE BY COPPERHEAD INDUSTRIES, LLC. THE TRACER WIRE FOR THE SANITARY SEWER LATERAL (GREEN) 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.
16. SEE UTILITY PLANS AND CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER INLET (ROUND CASTING)
- STORM SEWER INLET (RECTANGULAR CASTING)
- PRECAST CONCRETE FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- EXISTING STORM INLET W/ RIM ADJUSTMENT
- EXISTING SANITARY MANHOLE W/ RIM ADJUSTMENT
- SANITARY SEWER
- STORM SEWER
- DRAINTILE (4" SINGLE WALL PERFORATED)
- DRAINTILE (6" SOLID WALL SDR-35 PVC)
- UNDERDRAIN
- DRAINTILE DONUT
- W — PRIVATE WATERMAIN
- W — PUBLIC WATERMAIN
- FP — FIRE PROTECTION

M+H ARCHITECTS

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PEG JOB#: 1590.00A

PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

PIP SUBMISSION
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STORM SEWER PLAN OVERVIEW

C5.00

MATCHLINE

SEE SHEET C5.03

SEE SHEET C5.02

MATCHLINE

PROPERTY LINE

APPROXIMATE LOCATION OF A WISCONSIN POWER AND LIGHT COMPANY EASEMENT

S89°36'36"E 50.02'

S02°06'01"W 340.95'

S83°35'48"E 61.61'

N85°40'09"E 95.13'

S02°36'05"W 84.89'

N85°40'09"E 320.00'

S02°36'05"W 136.00'

N85°33'07"E 267.43'

N86°00'47"E 232.99'

S00°59'13"W 164.89'

L=334.66'
RADIUS=11570.00'
N86°22'50"E
CHORD=334.65'

225.0' R.O.W.

COUNTY TRUNK HIGHWAY "TT"

POND 1
NWL=937.50
HWL=946.41

POND 2
NWL=937.50
HWL=946.39

30.0 L.F. 15" HDPE @ S=1.20%
IN 152.0 2'x3' BOX RIM=947.05 INV=942.66 (15" N) INV=942.66 (15" S)
34.9 L.F. 15" HDPE @ S=2.00%
IN 151.0 2'x3' BOX RIM=947.05 INV=942.30 (15" N) INV=941.70 (15" S)
ES 150.0 INV=941.00 (15")
ES 140.0 INV=937.50 (60")

30.0 L.F. 15" HDPE @ S=1.20%
IN 162.0 2'x3' BOX RIM=947.05 INV=942.67 (15" N) INV=942.67 (15" S)
35.1 L.F. 15" HDPE @ S=2.00%
IN 161.0 2'x3' BOX RIM=947.05 INV=942.31 (15" N) INV=941.70 (15" S)
ES 160.0 INV=941.00 (15")

163.4 L.F. 12" HDPE @ S=0.70%
30.0 L.F. 18" HDPE @ S=0.70%
35.5 L.F. 18" HDPE @ S=1.80%
IN 172.0 2'x3' BOX RIM=947.05 INV=942.85 (15" N) INV=942.85 (18" S)
IN 171.0 48" DIA RIM=947.05 INV=942.14 (12" NW) INV=942.64 (18" N) INV=941.64 (18" S)
ES 170.0 INV=941.00 (18")

30.0 L.F. 15" HDPE @ S=1.00%
35.8 L.F. 15" HDPE @ S=1.93%
IN 182.0 2'x3' BOX RIM=947.05 INV=941.99 (15" N) INV=941.99 (15" S)
ES 181.0 2'x3' BOX RIM=947.05 INV=941.69 (15" N) INV=941.69 (15" S)
ES 180.0 INV=941.00 (15")

30.0 L.F. 15" HDPE @ S=1.00%
35.5 L.F. 15" HDPE @ S=2.68%
IN 192.0 2'x3' BOX RIM=947.06 INV=942.25 (15" N) INV=942.25 (15" S)
IN 191.0 2'x3' BOX RIM=947.55 INV=941.95 (15" N) INV=941.95 (15" S)
ES 190.0 INV=941.00 (15")

30.0 L.F. 15" HDPE @ S=1.20%
35.7 L.F. 15" HDPE @ S=2.33%
IN 202.0 2'x3' BOX RIM=947.08 INV=942.19 (15" N) INV=942.19 (15" S)
IN 201.0 2'x3' BOX RIM=947.55 INV=941.83 (15" N) INV=941.83 (15" S)
ES 200 INV=941.00 (15")

30.0 L.F. 15" HDPE @ S=0.70%
35.9 L.F. 15" HDPE @ S=2.06%
IN 212.0 2'x3' BOX RIM=947.06 INV=941.95 (15" N) INV=941.95 (15" S)
IN 211.0 2'x3' BOX RIM=947.55 INV=941.74 (15" N) INV=941.74 (15" S)
ES 210 INV=941.00 (15")

179.4 L.F. 48" HDPE @ S=0.00%
ES 301.1 INV=937.50 (48")
ES 302.1 INV=937.50 (48")
ES 301.0 INV=937.50 (48")
ES 302.0 INV=937.50 (48")
179.4 L.F. 48" HDPE @ S=0.00%
ES 250.0 INV=940.00 (24")
58.6 L.F. 24" HDPE @ S=1.00%
IN 251.1 48" DIA RIM=947.10 INV=942.75 (24" E) INV=940.59 (24" W)
IN 251.0 48" DIA RIM=947.30 INV=943.05 (24" SE) INV=943.05 (24" W)
93.7 L.F. 24" HDPE @ S=1.40%
30.0 L.F. 24" HDPE @ S=1.00%

IN 252.0 48" DIA RIM=951.35 INV=946.14 (18" SE) INV=947.39 (15" SW) INV=944.36 (24" NW)
30.0 L.F. 15" HDPE @ S=1.20%
IN 252.1 2'x3' BOX RIM=951.35 INV=947.75 (15" NE)
189.1 L.F. 18" HDPE @ S=2.00%

IN 253.0 48" DIA RIM=960.05 INV=956.45 (15" S) INV=956.87 (10" SW) INV=949.92 (18" NW)
30.1 L.F. 10" HDPE @ S=1.00%
IN 253.1 2'x3' BOX RIM=960.05 INV=957.17 (10" NE)

169.0 L.F. 15" HDPE @ S=3.05%
30.0 L.F. 10" HDPE @ S=1.00%
IN 254.1 2'x3' BOX RIM=966.05 INV=963.17 (10" E)
IN 254.0 48" DIA RIM=966.05 INV=962.87 (10" W) INV=961.60 (15" N)

131.1 L.F. 24" RCP @ S=2.50%
ES 7.0 INV=966.79 (24")
ES 7.1 INV=963.52 (24")

ALL STORM INLETS TO HAVE OIL & GREASE FILTERS PER DETAILS ON SHEET C8.03

SEE SHEETS C5.07-C5.10 FOR ENLARGED BUILDING CONNECTION DETAILS

LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER INLET (ROUND CASTING)
- STORM SEWER INLET (RECTANGULAR CASTING)
- PRECAST CONCRETE FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- EXISTING STORM INLET W/ RIM ADJUSTMENT
- EXISTING SANITARY MANHOLE W/ RIM ADJUSTMENT
- SANITARY SEWER
- STORM SEWER
- DRAINTILE (4" SINGLE WALL PERFORATED)
- DRAINTILE (6" SOLID WALL SDR-35 PVC)
- UNDERDRAIN
- DRAINTILE DONUT
- W — PRIVATE WATERMAIN
- W — PUBLIC WATERMAIN
- FP — FIRE PROTECTION

NORTH

GRAPHICAL SCALE (FEET)
0 1" = 40' 80'

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PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

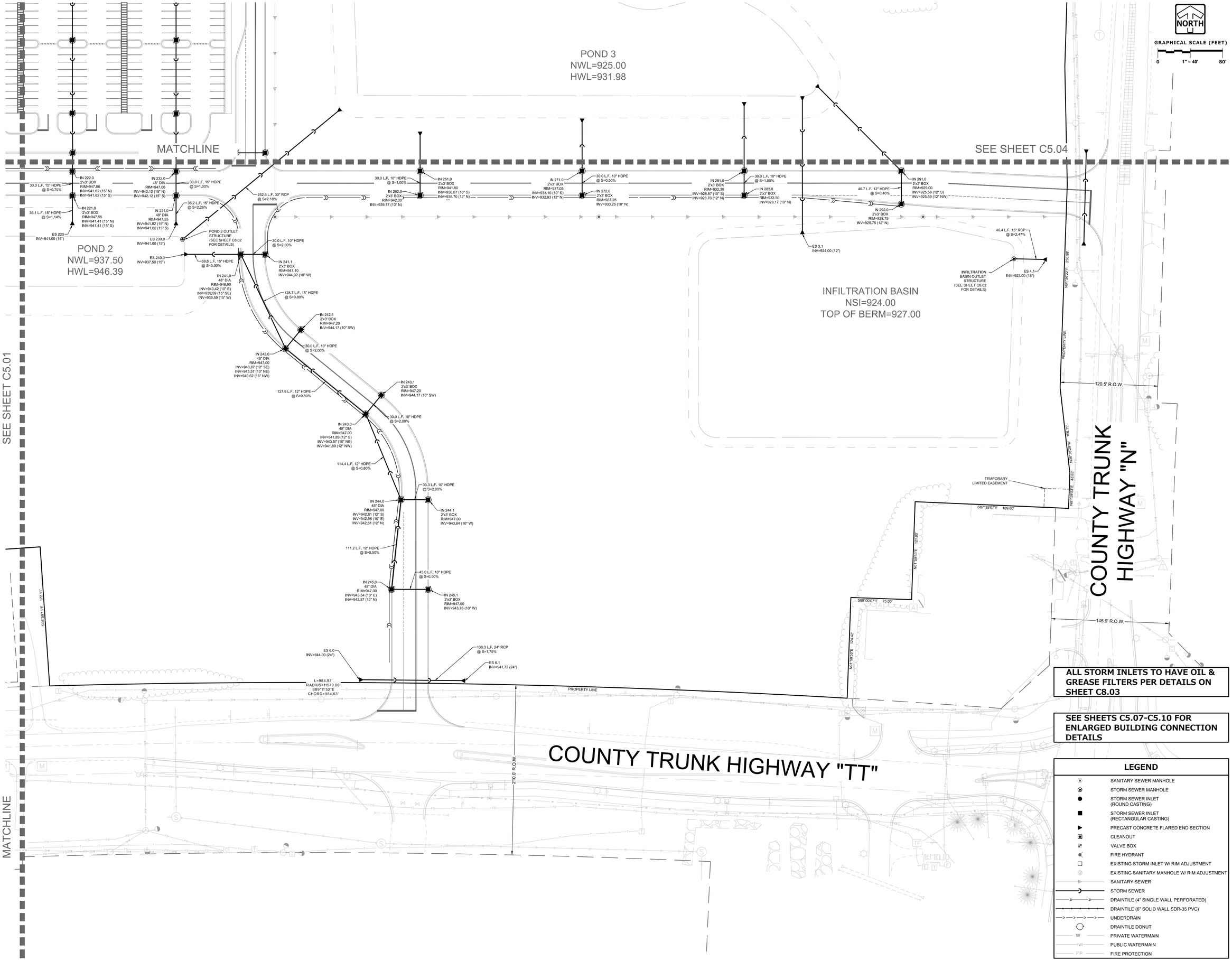
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STORM SEWER PLAN

C5.01



ALL STORM INLETS TO HAVE OIL & GREASE FILTERS PER DETAILS ON SHEET C8.03

SEE SHEETS C5.07-C5.10 FOR ENLARGED BUILDING CONNECTION DETAILS

LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER INLET (ROUND CASTING)
- STORM SEWER INLET (RECTANGULAR CASTING)
- PRECAST CONCRETE FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- EXISTING STORM INLET W/ RIM ADJUSTMENT
- EXISTING SANITARY MANHOLE W/ RIM ADJUSTMENT
- SANITARY SEWER
- STORM SEWER
- DRAINTILE (4" SINGLE WALL PERFORATED)
- DRAINTILE (6" SOLID WALL SDR-35 PVC)
- UNDERDRAIN
- DRAINTILE DONUT
- W — PRIVATE WATERMAIN
- WI — PUBLIC WATERMAIN
- FP — FIRE PROTECTION

NORTH

GRAPHICAL SCALE (FEET)
0 1" = 40' 80'

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PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

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STORM SEWER PLAN

C5.02

MATCHLINE

SEE SHEET C5.05

SEE SHEET C5.04

MATCHLINE

SEE SHEET C5.01

PROPOSED BUILDING
649,752 SF I FFE=950.00

NORTH

GRAPHICAL SCALE (FEET)
0 1" = 40' 80'

SEE SHEET C5.07 FOR BUILDING CONNECTION DETAILS

SEE SHEET C5.08 FOR BUILDING CONNECTION DETAILS

APPROXIMATE LOCATION OF A WISCONSIN POWER AND LIGHT COMPANY EASEMENT

PROPERTY LINE

66' RESERVED FOR FUTURE DEDICATION AS PUBLIC ROAD RIGHT OF WAY

MEDIAN INLET, TYPE 2 142.3 60" DIA RIM=948.25 INV=944.00 (42° E)

316.2 L.F., 30" HDPE @ S=0.30%

166.5 L.F., 30" HDPE @ S=0.35%

183.4 L.F., 60" HDPE @ S=0.37%

198.3 L.F., 60" HDPE @ S=0.45%

10.3 L.F., 42" HDPE @ S=0.70%

116.6 L.F., 30" HDPE @ S=0.49%

ALL STORM INLETS TO HAVE OIL & GREASE FILTERS PER DETAILS ON SHEET C8.03

SEE SHEETS C5.07-C5.10 FOR ENLARGED BUILDING CONNECTION DETAILS

LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER INLET (ROUND CASTING)
- STORM SEWER INLET (RECTANGULAR CASTING)
- PRECAST CONCRETE FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- EXISTING STORM INLET W/ RIM ADJUSTMENT
- EXISTING SANITARY MANHOLE W/ RIM ADJUSTMENT
- SANITARY SEWER
- STORM SEWER
- DRAINTILE (4" SINGLE WALL PERFORATED)
- DRAINTILE (6" SOLID WALL SDR-35 PVC)
- UNDERDRAIN
- DRAINTILE DONUT
- W PRIVATE WATERMAIN
- W PUBLIC WATERMAIN
- FP FIRE PROTECTION

POND 1
NWL=937.50
HWL=946.41

POND 2
NWL=937.50
HWL=946.39

M+H ARCHITECTS

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PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

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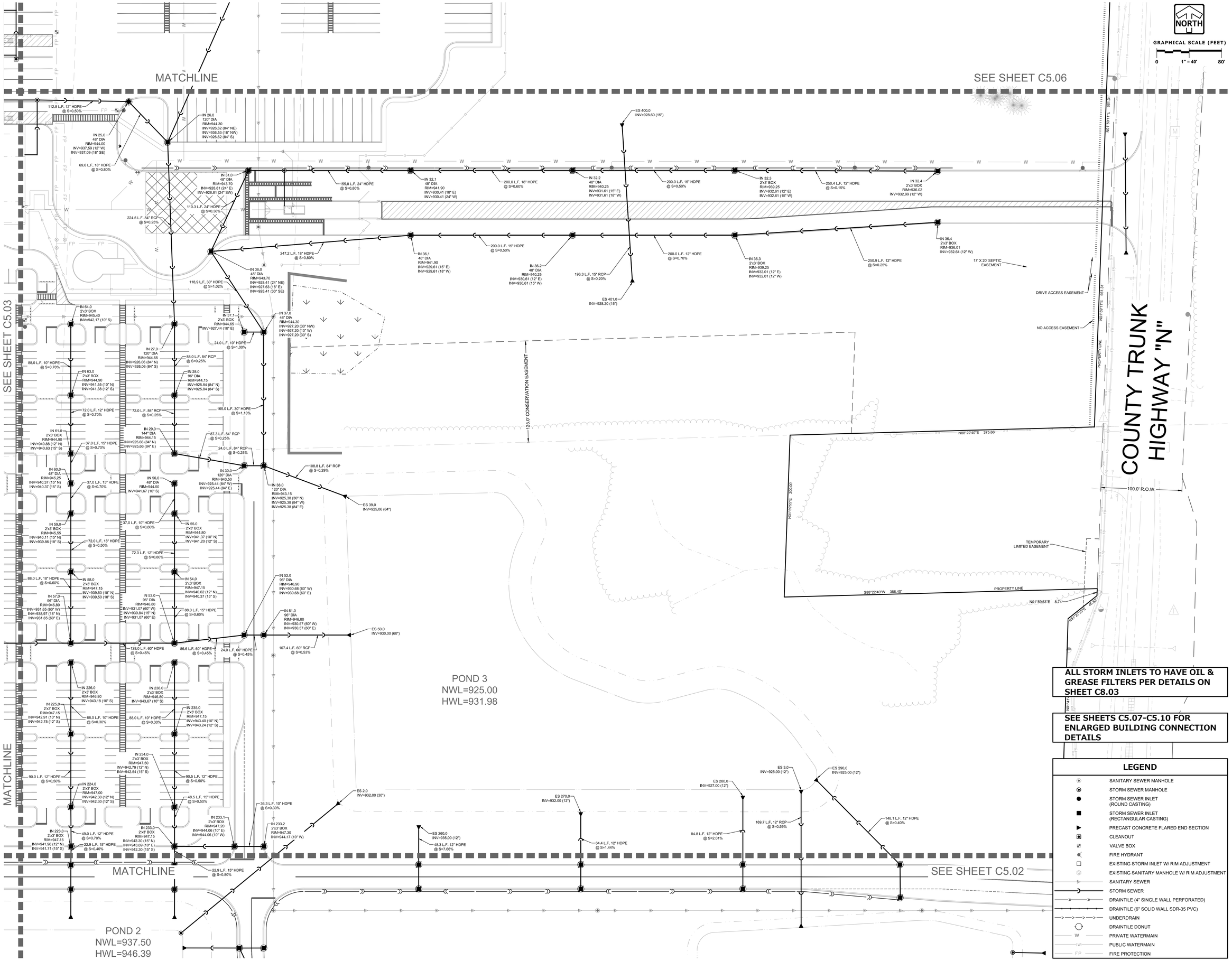
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STORM SEWER PLAN

C5.03



NORTH

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

ALL STORM INLETS TO HAVE OIL & GREASE FILTERS PER DETAILS ON SHEET C8.03

SEE SHEETS C5.07-C5.10 FOR ENLARGED BUILDING CONNECTION DETAILS

LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER INLET (ROUND CASTING)
- STORM SEWER INLET (RECTANGULAR CASTING)
- PRECAST CONCRETE FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- EXISTING STORM INLET W/ RIM ADJUSTMENT
- EXISTING SANITARY MANHOLE W/ RIM ADJUSTMENT
- SANITARY SEWER
- STORM SEWER
- DRAINTILE (4" SINGLE WALL PERFORATED)
- DRAINTILE (6" SOLID WALL SDR-35 PVC)
- UNDERDRAIN
- DRAINTILE DONUT
- W PRIVATE WATERMAIN
- W PUBLIC WATERMAIN
- FP FIRE PROTECTION

M+H ARCHITECTS

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STORM SEWER PLAN

C5.04

LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER INLET (ROUND CASTING)
- STORM SEWER INLET (RECTANGULAR CASTING)
- PRECAST CONCRETE FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- EXISTING STORM INLET W/ RIM ADJUSTMENT
- EXISTING SANITARY MANHOLE W/ RIM ADJUSTMENT
- SANITARY SEWER
- STORM SEWER
- DRAINTILE (4" SINGLE WALL PERFORATED)
- DRAINTILE (6" SOLID WALL SDR-35 PVC)
- UNDERDRAIN
- DRAINTILE DONUT
- PRIVATE WATERMAIN
- PUBLIC WATERMAIN
- FIRE PROTECTION

SEE SHEETS C5.07-C5.10 FOR ENLARGED BUILDING CONNECTION DETAILS

ALL STORM INLETS TO HAVE OIL & GREASE FILTERS PER DETAILS ON SHEET C8.03

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

S88°08'33"W 2605.18'

PROPERTY LINE

PROPERTY LINE

SEE SHEET C5.06

FIELD IN 3,1
48" DIA
RIM=945.50
INV=940.50 (24" S)

PLUG 5,1
INV=939.81 (24")

PLUG 9,1
INV=937.09 (24")

PLUG 15,1
INV=934.54 (24")

119.5 L.F, 24" HDPE @ S=0.80%

117.6 L.F, 24" HDPE @ S=1.20%

170.0 L.F, 36" HDPE @ S=0.40%

APPROXIMATE LOCATION OF A WISCONSIN POWER AND LIGHT COMPANY EASEMENT

IN 3,0
48" DIA
RIM=944.15
INV=935.61 (18" S)
INV=939.09 (24" N)
INV=935.61 (36" E)

IN 5,0
48" DIA
RIM=944.15
INV=934.93 (36" W)
INV=936.51 (15" S)
INV=938.85 (24" N)
INV=934.93 (36" E)

IN 7,0
72" DIA
RIM=944.15
INV=933.93 (36" W)
INV=936.29 (15" S)
INV=933.93 (42" E)

IN 9,0
72" DIA
RIM=944.15
INV=932.57 (42" W)
INV=936.84 (15" S)
INV=936.13 (24" N)
INV=932.57 (42" E)

MH 10,0
72" DIA
RIM=944.35
INV=931.82 (42" W)
INV=935.79 (12" S)
INV=931.82 (42" E)

IN 11,0
72" DIA
RIM=944.15
INV=931.70 (42" W)
INV=931.70 (42" E)

IN 13,0
72" DIA
RIM=944.15
INV=930.68 (42" W)
INV=933.91 (18" S)
INV=930.68 (48" E)

IN 15,0
84" DIA
RIM=944.15
INV=930.00 (48" W)
INV=933.58 (24" N)
INV=934.83 (12" S)
INV=930.00 (60" E)

170.0 L.F, 36" HDPE @ S=0.59%

170.0 L.F, 42" HDPE @ S=0.80%

150.0 L.F, 42" HDPE @ S=0.50%

20.0 L.F, 42" HDPE @ S=0.60%

170.0 L.F, 42" HDPE @ S=0.60%

170.0 L.F, 48" RCP @ S=0.40%

170.0 L.F, 60" RCP @ S=0.40%

85.1 L.F, 15" HDPE @ S=0.91%

85.2 L.F, 15" HDPE @ S=1.10%

85.5 L.F, 15" HDPE @ S=0.70%

85.7 L.F, 18" HDPE @ S=1.00%

86.0 L.F, 12" HDPE @ S=1.00%

195.2 L.F, 18" HDPE @ S=0.65%

SEE SHEET C5.10 FOR BUILDING CONNECTION DETAILS

IN 2,0
48" DIA
RIM=945.85
INV=936.88 (12" E)
INV=942.29 (10" W)
INV=936.88 (18" N)

IN 2,1
??? DIA
RIM=945.85
INV=942.67 (10" E)

66.2 L.F, 12" HDPE @ S=0.50%

38.0 L.F, 10" HDPE @ S=1.00%

PROPOSED BUILDING
649,752 SF I FFE=950.00

SEE SHEET C5.09 FOR BUILDING CONNECTION DETAILS

38.0 L.F, 18" HDPE @ S=0.60%

97.2 L.F, 15" HDPE @ S=2.00%

IN 147,0
48" DIA
RIM=945.85
INV=941.71 (18" E)
INV=941.71 (24" S)

IN 148,0
2'x3' BOX
RIM=945.85
INV=941.94 (15" E)
INV=941.94 (18" W)

SEE SHEET C5.07 FOR BUILDING CONNECTION DETAILS

S01°15'24"W 1318.40'

150.6 L.F, 24" HDPE @ S=0.25%

IN 145,0
48" DIA
RIM=946.35
INV=941.33 (24" N)
INV=941.90 (18" E)
INV=941.33 (30" S)

IN 146,0
2'x3' BOX
RIM=946.35
INV=942.67 (12" E)
INV=942.17 (18" W)

71.2 L.F, 12" HDPE @ S=0.80%

38.0 L.F, 18" HDPE @ S=0.70%

MATCHLINE

MATCHLINE

SEE SHEET C5.03

M+H ARCHITECTS

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STORM SEWER PLAN

C5.05

SEE SHEETS C5.07-C5.10 FOR ENLARGED BUILDING CONNECTION DETAILS

ALL STORM INLETS TO HAVE OIL & GREASE FILTERS PER DETAILS ON SHEET C8.03

LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER INLET (ROUND CASTING)
- STORM SEWER INLET (RECTANGULAR CASTING)
- PRECAST CONCRETE FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- EXISTING STORM INLET W/ RIM ADJUSTMENT
- EXISTING SANITARY MANHOLE W/ RIM ADJUSTMENT
- SANITARY SEWER
- STORM SEWER
- DRAINTILE (4" SINGLE WALL PERFORATED)
- DRAINTILE (6" SOLID WALL SDR-35 PVC)
- UNDERDRAIN
- DRAINTILE DONUT
- PRIVATE WATERMAIN
- PUBLIC WATERMAIN
- FIRE PROTECTION

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

SEE SHEET C5.05

S88°08'33"W 2605.18'

PROPERTY LINE

5' WISCONSIN POWER AND LIGHT COMPANY EASEMENT

PLUG 17.1
INV=936.38 (24")

119.5 L.F. 24" HDPE
@ S=0.80%

IN 16.0
96" DIA
RIM=944.00
INV=929.32 (60" W)
INV=929.32 (60" E)

202.0 L.F. 60" RCP
@ S=0.30%

IN 17.0
96" DIA
RIM=944.00
INV=928.71 (60" W)
INV=935.42 (24" N)
INV=928.21 (72" S)

156.5 L.F. 72" RCP
@ S=0.30%

59.1 L.F. 12" HDPE
@ S=0.80%

202.0 L.F. 18" HDPE
@ S=0.50%

202.0 L.F. 12" HDPE
@ S=0.80%

IN 19.0
48" DIA
RIM=944.00
INV=935.64 (12" W)
INV=935.64 (18" E)

IN 20.0
120" DIA
RIM=944.00
INV=927.74 (72" N)
INV=934.63 (18" W)
INV=938.88 (12" E)
INV=927.74 (84" S)

IN 20.1
48" DIA
RIM=944.00
INV=940.50 (12" W)

200.0 L.F. 84" RCP
@ S=0.25%

85.0 L.F. 12" HDPE
@ S=1.45%

202.0 L.F. 24" HDPE
@ S=0.50%

202.0 L.F. 12" HDPE
@ S=0.80%

IN 22.0
48" DIA
RIM=944.00
INV=937.28 (12" W)
INV=937.28 (24" E)

IN 23.0
96" DIA
RIM=944.00
INV=927.24 (84" N)
INV=938.88 (12" E)
INV=936.27 (24" W)
INV=927.24 (84" SW)

IN 23.1
48" DIA
RIM=944.00
INV=940.50 (12" W)

247.6 L.F. 84" RCP
@ S=0.25%

MATCHLINE

MATCHLINE

SEE SHEET C5.04

NO ACCESS EASEMENT

PROPERTY LINE

COUNTY TRUNK HIGHWAY "N"

N01°09'11"E 687.86'

N01°09'11"E 661.37'

M+H ARCHITECTS

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PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

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STORM SEWER PLAN

C5.06

MATCHLINE

SEE SHEET C5.09

SEE SHEET C5.08

MATCHLINE

S01°52'24"W 1318.60'

42,0 L.F. 8" SCH 40 PVC @ S=2.08%
WYE 149,6 INV=945.67 (8" S) INV=945.67 (8" E) INV=945.67 (8" N)
BC 149,7 INV=946.50 (8")
15,0 L.F. 8" SCH 40 PVC @ S=5.53%
22,6 L.F. 8" SCH 40 PVC @ S=2.08%
45° BEND 149,8 INV=946.14 (8")
BC 149,10 INV=946.50 (8")
7,1 L.F. 8" SCH 40 PVC @ S=2.08%
10,0 L.F. 8" SCH 40 PVC @ S=2.08%
45° BEND 149,9 INV=946.29 (8")

45° BEND 147,2 INV=945.75 (8")
36,0 L.F. 8" SCH 40 PVC @ S=2.08%
BC 147,3 INV=946.50 (8")
7,1 L.F. 8" SCH 40 PVC @ S=2.08%
45° BEND 147,1 INV=945.60 (8")
71,2 L.F. 12" HDPE @ S=0.80% SEE SHEET C5.05 FOR NEXT CONNECTION
20,6 L.F. 8" SCH 40 PVC @ S=2.08%
MH 147,0 48" DIA RIM=949.12 INV=943.24 (8" S) INV=945.17 (8" N) INV=943.24 (12" W)
29,7 L.F. 8" SCH 40 PVC @ S=2.08%
BC 147,5 INV=946.50 (8")
WYE 147,4 INV=943.86 (8") INV=943.86 (8") INV=943.86 (8")
41,0 L.F. 8" SCH 40 PVC @ S=6.44%
57,2 L.F. 8" SCH 40 PVC @ S=2.08%
WYE 147,6 INV=945.05 (8") INV=945.05 (8") INV=945.05 (8")
41,0 L.F. 8" SCH 40 PVC @ S=3.54%
BC 147,7 INV=946.50 (8")
26,0 L.F. 8" SCH 40 PVC @ S=2.08%
WYE 147,8 INV=945.59 (8" S) INV=945.59 (8" E) INV=945.59 (8" N)
BC 147,9 INV=946.50 (8")
15,0 L.F. 8" SCH 40 PVC @ S=6.07%
28,9 L.F. 8" SCH 40 PVC @ S=2.08%
WYE 147,10 INV=946,19 (8" S) INV=946,19 (8" E) INV=946,19 (8" N)
BC 147,11 INV=946.50 (8")
15,0 L.F. 8" SCH 40 PVC @ S=2.08%
5,0 L.F. 8" SCH 40 PVC @ S=2.08%
CLEANOUT 147,12 RIM= 949,70 INV=946,29 (8")

BC 130,4 INV=946.50 (8")
BC 121,1 INV=946.50 (8")
BC 121,4 INV=946,42 (10")
31,0 L.F. 10" SCH 40 PVC @ S=2.08%
BC 130,1 INV=946.42 (8")
10,0 L.F. 8" SCH 40 PVC @ S=3.00%
31,0 L.F. 8" SCH 40 PVC @ S=2.08%
36,0 L.F. 8" SCH 40 PVC @ S=3.00%
69,8 L.F. 10" SCH 40 PVC @ S=2.08%
45° BEND 121,3 INV=945,78 (10")
MH 130,0 48" DIA RIM=949,91 INV=944,51 (8" E) INV=946,12 (8" N) INV=944,51 (12" S)
57,8 L.F. 8" SCH 40 PVC @ S=2.08%
45° 130,3 INV=945,86 (8")
7,1 L.F. 10" SCH 40 PVC @ S=2.08%
7,1 L.F. 8" SCH 40 PVC @ S=2.08%
45° BEND 121,2 INV=945,63 (10")
45° 130,2 INV=945,71 (8")
MH 121,0 48" DIA RIM=949,87 INV=944,18 (10" E) INV=945,42 (8" N) INV=944,18 (12" S)
64,3 L.F. 12" HDPE @ S=0.54% SEE SHEET C5.03 FOR NEXT CONNECTION
66,1 L.F. 12" HDPE @ S=0.46% SEE SHEET C5.03 FOR NEXT CONNECTION

BC 112,1 INV=942,92 (10")
BC 112,4 INV=942,92 (10")
BC 104,1 INV=942,92 (10")
BC 104,3 INV=942,92 (10")
15,0 L.F. 10" SCH 40 PVC @ S=10.11%
10,0 L.F. 10" SCH 40 PVC @ S=2.08%
7,1 L.F. 10" SCH 40 PVC @ S=2.08%
5,0 L.F. 10" SCH 40 PVC @ S=2.08%
55,2 L.F. 16" SCH 40 PVC @ S=2.08%
62,1 L.F. 10" SCH 40 PVC @ S=2.08%
15,0 L.F. 10" SCH 40 PVC @ S=2.08%
45° BEND 112,3 INV=942,82 (10")
MH 112,0 48" DIA RIM=949,52 INV=941,38 (10" E) INV=942,71 (10" N) INV=941,38 (18" S)
45° BEND 112,2 INV=942,67 (10")
MH 104,0 48" DIA RIM=949,72 INV=942,61 (10" N) INV=940,05 (16" E) INV=940,05 (18" S)
WYE 104,2 INV=941,20 (16")
40,7 L.F. 16" SCH 40 PVC @ S=2.08%
49,0 L.F. 18" HDPE @ S=0.30% SEE SHEET C5.03 FOR NEXT CONNECTION
44,9 L.F. 18" HDPE @ S=0.65% SEE SHEET C5.03 FOR NEXT CONNECTION

ALL STORM INLETS TO HAVE OIL & GREASE FILTERS PER DETAILS ON SHEET C8.02

LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER INLET (ROUND CASTING)
- STORM SEWER INLET (RECTANGULAR CASTING)
- PRECAST CONCRETE FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- EXISTING STORM INLET W/ RIM ADJUSTMENT
- EXISTING SANITARY MANHOLE W/ RIM ADJUSTMENT
- SANITARY SEWER
- STORM SEWER
- DRAINTILE (4" SINGLE WALL PERFORATED)
- DRAINTILE (6" SOLID WALL SDR-35 PVC)
- UNDERDRAIN
- DRAINTILE DONUT
- PRIVATE WATERMAIN
- PUBLIC WATERMAIN
- FIRE PROTECTION

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

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VILLAGE OF COTTAGE GROVE, WI

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STORM SEWER PLAN

C5.07

MATCHLINE

SEE SHEET C5.10

SEE SHEET C5.07

ALL STORM INLETS TO HAVE OIL & GREASE FILTERS PER DETAILS ON SHEET C8.02

LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER INLET (ROUND CASTING)
- STORM SEWER INLET (RECTANGULAR CASTING)
- PRECAST CONCRETE FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- EXISTING STORM INLET W/ RIM ADJUSTMENT
- EXISTING SANITARY MANHOLE W/ RIM ADJUSTMENT
- SANITARY SEWER
- STORM SEWER
- DRAINTILE (4" SINGLE WALL PERFORATED)
- DRAINTILE (6" SOLID WALL SDR-35 PVC)
- UNDERDRAIN
- DRAINTILE DONUT
- PRIVATE WATERMAIN
- PUBLIC WATERMAIN
- FIRE PROTECTION

MATCHLINE

15.0 L.F. 8" SCH 40 PVC @ S=13.56%
BC 21.7 INV=939.00 (8")
WYE 21.6 INV=936.80 (12" S) INV=936.97 (8" W) INV=936.80 (12" N)
27.6 L.F. 12" SCH 40 PVC @ S=2.08%
15.0 L.F. 8" SCH 40 PVC @ S=9.76%
BC 21.9 INV=939.00 (8")
WYE 21.8 INV=937.37 (12" S) INV=937.54 (8" W) INV=937.37 (12" N)
55.4 L.F. 12" SCH 40 PVC @ S=2.08%
WYE 21.10 INV=941.66 (12" S) INV=938.69 (8" W) INV=938.52 (12" N)
15.0 L.F. 8" SCH 40 PVC @ S=2.08%
BC 21.11 INV=939.00 (8")
5.0 L.F. 12" SCH 40 PVC @ S=2.08%
CLEANOUT 21.12 RIM= 945.85 INV=941.55 (12")
MH 24.0 48" DIA RIM=945.58 INV=938.15 (8" W) INV=936.80 (8" S) INV=938.15 (12" E)
112.8 L.F. 12" HDPE @ S=0.00% SEE SHEET C5.04 FOR NEXT CONNECTION
41.0 L.F. 8" SCH 40 PVC @ S=2.08%
BC 24.3 INV=939.00 (8")
67.7 L.F. 8" SCH 40 PVC @ S=13.87%
BC 24.6 INV=946.50 (8")
WYE 24.5 INV=946.19 (8" W) INV=946.19 (8" N)
15.0 L.F. 8" SCH 40 PVC @ S=2.08%

BC 81.3 INV=946.42 (10")
BC 81.5 INV=946.42 (10")
BC 81.1 INV=946.50 (8")
38.5 L.F. 10" SCH 40 PVC @ S=2.08%
38.5 L.F. 10" SCH 40 PVC @ S=2.21%
38.5 L.F. 8" SCH 40 PVC @ S=2.08%
5.0 L.F. 12" SCH 40 PVC @ S=2.08%
63.4 L.F. 12" SCH 40 PVC @ S=2.08%
CLEANOUT 81.4 RIM= 949.62 INV=942.23 (12")
WYE 81.2 INV=945.57 (12") INV=945.57 (12") INV=945.57 (10")
MH 81.0 48" DIA RIM=949.73 INV=945.70 (8" N) INV=944.25 (12" W) INV=944.25 (15" SE)
2.5 L.F. 12" SCH 40 PVC @ S=2.08%
WYE 81.4 INV=945.62 (10" N) INV=945.62 (12" E) INV=942.33 (12" W)
88.9 L.F. 15" HDPE @ S=0.80% SEE SHEET C5.03 FOR NEXT CONNECTION

BC 72.4 INV=946.50 (8")
5.0 L.F. 8" SCH 40 PVC @ S=2.08%
BC 72.1 INV=946.50 (8")
45° BEND 72.3 INV=946.40 (8")
10.0 L.F. 8" SCH 40 PVC @ S=2.08%
7.1 L.F. 8" SCH 40 PVC @ S=2.08%
45° BEND 72.2 INV=946.26 (8")
40.9 L.F. 8" SCH 40 PVC @ S=2.08%
MH 72.0 48" DIA RIM=949.90 INV=945.40 (8" W) INV=946.29 (8" N) INV=945.40 (12" S)
64.5 L.F. 12" HDPE @ S=2.68% SEE SHEET C5.03 FOR NEXT CONNECTION

BC 104.5 INV=942.92 (10")
BC 104.7 INV=943.00 (8")
12.3 L.F. 8" SCH 40 PVC @ S=3.19%
BC104.9 INV=943.00 (8")
12.3 L.F. 8" SCH 40 PVC @ S=2.08%
12.3 L.F. 10" HDPE @ S=5.41%
4.3 L.F. 15" SCH 40 PVC @ S=2.08%
CLEANOUT 104.10 RIM= 949.88 INV=942.55 (15")
WYE 104.8 INV=942.46 (15") INV=942.46 (15") INV=942.74 (8")
WYE 104.6 INV=942.32 (15") INV=942.31 (15") INV=942.61 (8")
13.0 L.F. 15" SCH 40 PVC @ S=2.08%
WYE 104.4 INV=942.04 (16") INV=942.25 (10") INV=942.04 (15")
7.1 L.F. 10" SCH 40 PVC @ S=2.08%
BC 96.7 INV=942.92 (10" S)
7.7 L.F. 10" SCH 40 PVC @ S=2.08%
7.7 L.F. 10" SCH 40 PVC @ S=2.08%
45° BEND 96.6 INV=942.76 (10")
44.9 L.F. 10" SCH 40 PVC @ S=2.08%
MH 96.0 48" DIA RIM=949.59 INV=941.68 (10" W) INV=942.09 (10" E) INV=942.66 (10" N) INV=941.68 (18" S)
45° BEND 96.5 INV=942.61 (10")
BC 96.4 INV=942.92 (10")
BC 96.3 INV=942.92 (10")
12.7 L.F. 10" SCH 40 PVC @ S=2.08%
25.1 L.F. 10" SCH 40 PVC @ S=2.08%
134.3 L.F. 18" HDPE @ S=0.80% SEE SHEET C5.03 FOR NEXT CONNECTION
7.6 L.F. 10" SCH 40 PVC @ S=2.08%
BC 89.4 INV=942.83 (12")
45° BEND 96.2 INV=942.76 (10")
7.1 L.F. 10" SCH 40 PVC @ S=2.08%
45° BEND 89.3 INV=942.65 (12")
45° BEND 96.1 INV=942.61 (10")
45° BEND 89.2 INV=942.50 (12")
BC 89.1 INV=942.83 (12")
8.8 L.F. 12" SCH 40 PVC @ S=2.08%
7.1 L.F. 12" SCH 40 PVC @ S=2.08%
37.8 L.F. 12" SCH 40 PVC @ S=2.08%
13.8 L.F. 12" SCH 40 PVC @ S=2.08%
MH 89.0 48" DIA RIM=949.55 INV=942.54 (12" N) INV=941.71 (12" W) INV=941.46 (15" SE)
51.6 L.F. 15" HDPE @ S=0.80% SEE SHEET C5.03 FOR NEXT CONNECTION

NORTH

GRAPHICAL SCALE (FEET)
0 1" = 20' 40'

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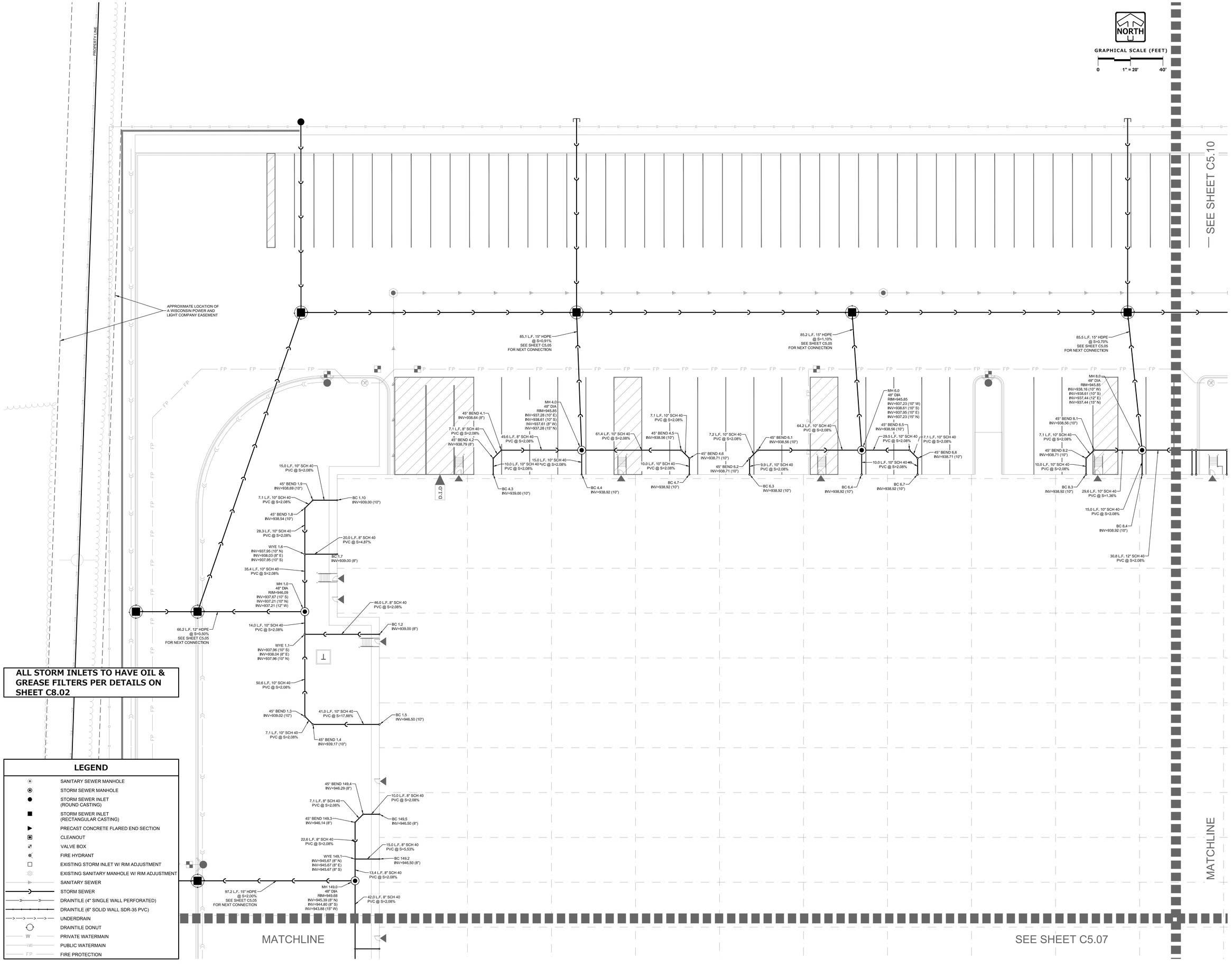
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STORM SEWER PLAN

C5.08



ALL STORM INLETS TO HAVE OIL & GREASE FILTERS PER DETAILS ON SHEET C8.02

LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER INLET (ROUND CASTING)
- STORM SEWER INLET (RECTANGULAR CASTING)
- PRECAST CONCRETE FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- EXISTING STORM INLET W/ RIM ADJUSTMENT
- EXISTING SANITARY MANHOLE W/ RIM ADJUSTMENT
- SANITARY SEWER
- STORM SEWER
- DRAINTILE (4" SINGLE WALL PERFORATED)
- DRAINTILE (6" SOLID WALL SDR-35 PVC)
- UNDERDRAIN
- DRAINTILE DONUT
- W — PRIVATE WATERMAIN
- IWI — PUBLIC WATERMAIN
- FP — FIRE PROTECTION

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PROJECT SILVER EAGLE

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STORM SEWER PLAN

C5.09

ALL STORM INLETS TO HAVE OIL & GREASE FILTERS PER DETAILS ON SHEET C8.02

LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER INLET (ROUND CASTING)
- STORM SEWER INLET (RECTANGULAR CASTING)
- PRECAST CONCRETE FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- EXISTING STORM INLET W/ RIM ADJUSTMENT
- EXISTING SANITARY MANHOLE W/ RIM ADJUSTMENT
- SANITARY SEWER
- STORM SEWER
- DRAINTILE (4" SINGLE WALL PERFORATED)
- DRAINTILE (6" SOLID WALL SDR-35 PVC)
- UNDERDRAIN
- DRAINTILE DONUT
- PRIVATE WATERMAIN
- PUBLIC WATERMAIN
- FIRE PROTECTION

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

SEE SHEET C5.09

2,5 L.F., 12" SCH 40 PVC @ S=2.08%
WYE 8,5 INV=938,13 (12" E) INV=938,21 (10" S) INV=938,13 (12" W)
18,9 L.F., 12" SCH 40 PVC @ S=2.08%
WYE 8,6 INV=938,61 (10" S) INV=938,82 (12" E) INV=938,52 (12" W)
5,0 L.F., 12" SCH 40 PVC @ S=2.08%
CLEANOUT 8,9 RIM= 946,06 INV=938,92 (12")
15,0 L.F., 10" SCH 40 PVC @ S=2.08%
BC 8,8 INV=938,92 (10")
15,0 L.F., 10" SCH 40 PVC @ S=4.71%
BC 8,7 INV=938,92 (10")
15,0 L.F., 10" SCH 40 PVC @ S=5.04%
BC 8,11 INV=938,92 (10")

5,0 L.F., 10" SCH 40 PVC @ S=2.08%
CLEANOUT 10,5 RIM= 939,39 INV=938,49 (10")
WYE 10,2 INV=938,39 (10" S) INV=938,39 (10" W) INV=938,39 (10" E)
47,9 L.F., 10" SCH 40 PVC @ S=2.08%
25,7 L.F., 10" SCH 40 PVC @ S=2.08%
BC 10,3 INV=938,92 (10")
25,7 L.F., 12" SCH 40 PVC @ S=5.91%
25,7 L.F., 12" SCH 40 PVC @ S=5,91% SEE SHEET C5,05 FOR NEXT CONNECTION
WYE 10,1 INV=937,39 (10" W) INV=937,31 (12" S) INV=937,31 (12" N)
BC 10,5 INV=938,83 (12")

WYE 12,6 INV=938,40 (16" W) INV=938,61 (10" S) INV=938,40 (16" E)
CLEANOUT 12,8 RIM= 946,35 INV=938,47 (16")
39,5 L.F., 16" SCH 40 PVC @ S=2.08%
3,6 L.F., 16" SCH 40 PVC @ S=2.08%
15,0 L.F., 10" SCH 40 PVC @ S=2.08%
BC 12,7 INV=938,92 (10")
WYE 12,4 INV=937,57 (16" W) INV=937,78 (10" S) INV=937,58 (16" E)
15,0 L.F., 10" SCH 40 PVC @ S=7.58%
BC 12,5 INV=938,92 (10")
WYE 12,2 INV=936,20 (16" W) INV=936,40 (10" S) INV=936,20 (16" E)
66,3 L.F., 16" SCH 40 PVC @ S=2.08%
68,5 L.F., 16" SCH 40 PVC @ S=2.08%
15,0 L.F., 10" SCH 40 PVC @ S=16.76%
BC 12,3 INV=938,92 (10")

85,7 L.F, 18" HDPE @ S=1.00% SEE SHEET C5,05 FOR NEXT CONNECTION
MH 12,0 48" DIA RIM=945,85 INV=934,77 (16" W) INV=938,61 (10" S) INV=934,77 (18" N)
15,0 L.F., 10" SCH 40 PVC @ S=2.08%
BC 12,1 INV=938,92 (10")
5,0 L.F., 12" SCH 40 PVC @ S=2.09%
CLEANOUT 14,5 RIM= 945,85 INV=938,28 (12")
WYE 14,3 INV=938,69 (8" S) INV=938,39 (12" W) INV=938,52 (12" E)
70,3 L.F., 12" SCH 40 PVC @ S=2.08%
15,0 L.F., 8" SCH 40 PVC @ S=2.08%
BC 14,4 INV=939,00 (8")

86,0 L.F., 12" HDPE @ S=1.00% SEE SHEET C5,05 FOR NEXT CONNECTION
WYE 14,1 INV=937,22 (8" S) INV=937,06 (12" W) INV=937,06 (12" E)
65,8 L.F., 12" SCH 40 PVC @ S=2.08%
15,0 L.F., 8" SCH 40 PVC @ S=11.84%
BC 14,2 INV=939,00 (8")
MH 14,0 48" DIA RIM=945,85 INV=938,69 (8" S) INV=935,69 (12" W) INV=935,69 (12" N)
15,0 L.F., 8" SCH 40 PVC @ S=2.08%
BC 14,6 INV=939,00 (8")
D.I.D

MH 18,0 48" DIA RIM=945,96 INV=936,11 (10" S) INV=946,19 (8" W) INV=936,11 (12" E)
BC 18,1 INV=946,50 (8")
15,0 L.F., 8" SCH 40 PVC @ S=2.08%
59,1 L.F., 12" HDPE @ S=0,80% SEE SHEET C5,06 FOR NEXT CONNECTION
94,2 L.F., 10" SCH 40 PVC @ S=2.08%
41,0 L.F., 10" SCH 40 PVC @ S=2.08%
BC 18,7 INV=938,92 (10")
5,0 L.F., 10" SCH 40 PVC @ S=2.08%
WYE 18,6 INV=938,07 (10" W) INV=938,07 (10" S) INV=938,07 (10" N)
CLEANOUT 18,8 RIM= 945,58 INV=938,17 (10")

10,0 L.F., 10" SCH 40 PVC @ S=2.08%
45° BEND 21,4 INV=938,71 (10")
7,1 L.F., 10" SCH 40 PVC @ S=2.08%
BC 21,5 INV=938,92 (10")
45° BEND 21,3 INV=938,56 (10")
15,0 L.F., 8" SCH 40 PVC @ S=5.49%
22,6 L.F., 10" SCH 40 PVC @ S=2.08%
WYE 21,1 INV=938,09 (10" N) INV=938,18 (8" W) INV=938,09 (10" S)
BC 21,2 INV=939,00 (8")
19,3 L.F., 10" SCH 40 PVC @ S=2.08%
85,0 L.F., 12" HDPE @ S=.1.45% SEE SHEET C5,06 FOR NEXT CONNECTION
MH 21,0 48" DIA RIM=945,85 INV=938,05 (12" S) INV=937,69 (10" N) INV=936,05 (12" E)
36,1 L.F., 12" SCH 40 PVC @ S=2.08%

MATCHLINE

MATCHLINE

SEE SHEET C5.08

M+H ARCHITECTS

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PROJECT SILVER EAGLE

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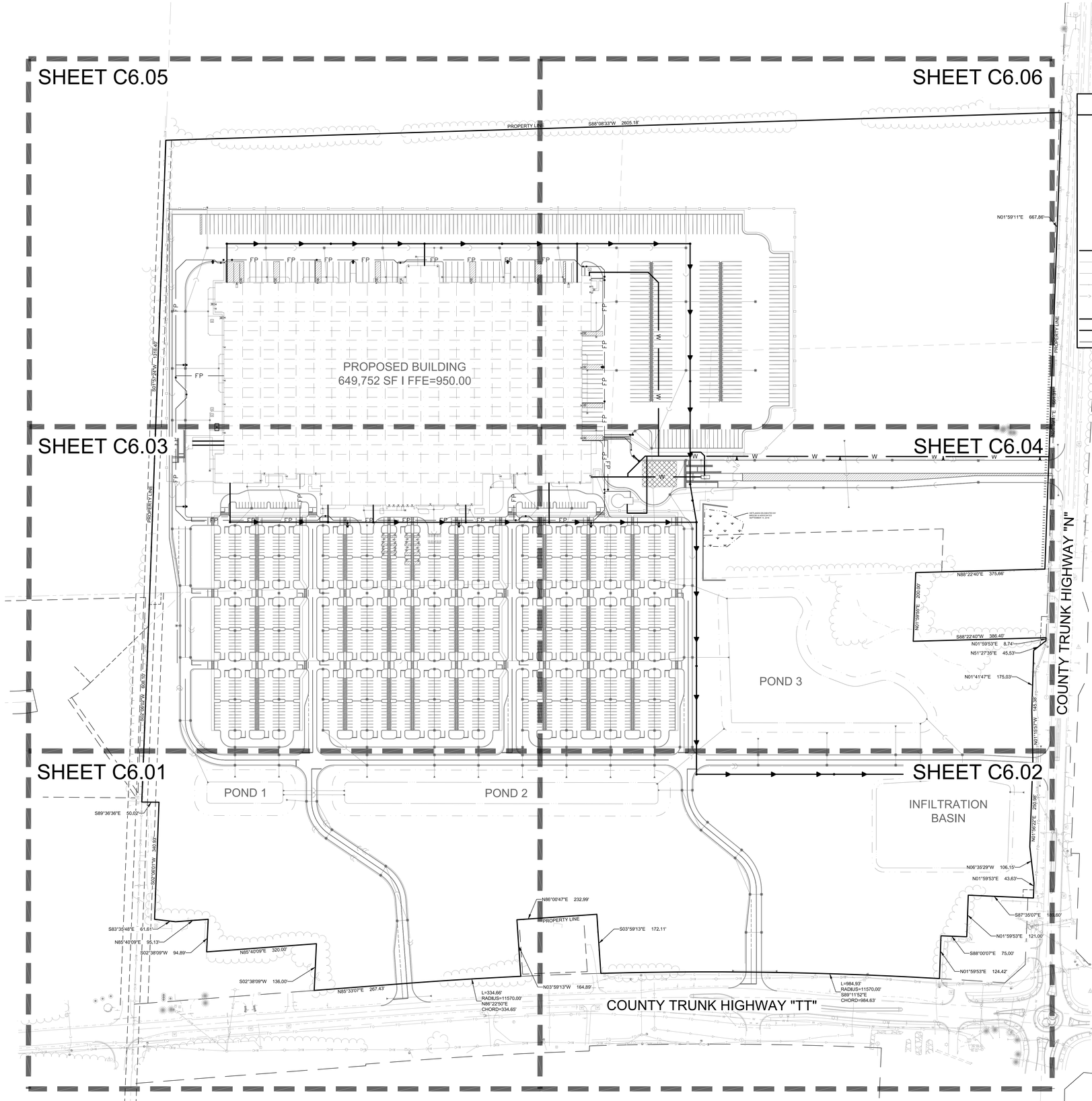
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Drawing Title:

STORM SEWER PLAN

C5.10



NORTH

GRAPHICAL SCALE (FEET)

0 1" = 120' 240'

LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER INLET (ROUND CASTING)
- STORM SEWER INLET (RECTANGULAR CASTING)
- PRECAST CONCRETE FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- EXISTING STORM INLET W/ RIM ADJUSTMENT
- EXISTING SANITARY MANHOLE W/ RIM ADJUSTMENT
- SANITARY SEWER
- STORM SEWER
- DRAINTILE (4" SINGLE WALL PERFORATED)
- DRAINTILE (6" SOLID WALL SDR-35 PVC)
- UNDERDRAIN
- DRAINTILE DONUT
- W — PRIVATE WATERMAIN
- W — PUBLIC WATERMAIN
- FP — FIRE PROTECTION

UTILITY 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 COTTAGE GROVE STANDARDS AND SPECIFICATIONS AND WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES SPS 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, EXCEPT WATER MAINS IDENTIFIED AS PUBLIC.
8. THE CONTRACTOR SHALL CONTACT THE VILLAGE OF COTTAGE GROVE PUBLIC WORKS DEPARTMENT 48-HOURS IN ADVANCE OF SANITARY, WATER AND STORM CONNECTIONS TO THE TOWN-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. WATER MAIN SPECIFICATIONS -

    PIPE - WATER MAIN SHALL BE POLYVINYL CHLORIDE (PVC) PIPE MEETING THE REQUIREMENTS OF AWWA STANDARD C-900, CLASS 235, 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 VILLAGE OF COTTAGE GROVE STANDARDS AND SPECIFICATIONS 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 24-INCHES. HYDRANT MANUFACTURE: MUELLER SUPER CENTURION, OR EQUAL. HYDRANT AND TAP VALES: AMERICAN AVK SERIES 25, OR EQUAL.

    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".

    ALL DUCTILE FITTINGS, VALVES, AND VALVE BOXES SHALL CONFORM WITH ALL VILLAGE OF COTTAGE GROVE STANDARD SPECIFICATIONS FOR DEVELOPMENT AND SHALL BE TRIPLE WRAPPED AND SECURELY TAPED AROUND WITH POLYETHYLENE AS SPECIFIED IN CHAPTER 4.4.4 AND 8.21.0 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. SLURRY BACK FILL UNDER PUBLIC ROAD PAVEMENT. SLURRY LIMITS: FROM TOP OF COVER STONE TO PAVEMENT. SLURRY TO BE 1-BAG PORTLAND MIX. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS".
14. 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." SLURRY BACK FILL UNDER PUBLIC ROAD PAVEMENT. SLURRY LIMITS: FROM TOP OF COVER STONE TO PAVEMENT. SLURRY TO BE 1-BAG PORTLAND MIX. 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 STANDARDS AND SPECIFICATIONS OF THE VILLAGE OF COTTAGE GROVE. 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-1661
15. WATER MAIN AND SANITARY SEWER SHALL BE INSULATED WHEREVER THE DEPTH OF COVER IS LESS THAN 7.5 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.).
16. TRACER WIRE SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THESE CODE SECTIONS AS PER 182.0715(2R) OF THE STATUTES. TRACER WIRE: COPPERHEAD TRACERWIRE #10 SOLID CCS SUPERFLEX (BLUE). WIRE CONNECTORS SHALL BE SNAKEBITE (BLUE) MADE BY COPPERHEAD INDUSTRIES, LLC. THE TRACER WIRE FOR THE SANITARY SEWER LATERAL (GREEN) 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.
17. SEE UTILITY PLANS AND CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

M+H ARCHITECTS

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PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

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Drawing Title:

UTILITY PLAN OVERVIEW

C6.00

MATCHLINE

SEE SHEET C6.03

POND 1
NWL=937.50
HWL=946.41

POND 2
NWL=937.50
HWL=946.39

SEE SHEET C6.02

PROPERTY LINE

S89°36'36"E 50.02'

APPROXIMATE LOCATION OF A WISCONSIN POWER AND LIGHT COMPANY EASEMENT

S22°06'03"W 346.95'

S83°35'48"E 61.61'

N85°40'09"E 95.13'

S02°36'05"W 84.89'

N85°40'09"E 320.00'

S02°36'05"W 136.00'

PROPERTY LINE

N85°33'07"E 267.43'

L=334.66'
RADIUS=11570.00'
N86°22'50"E
CHORD=334.65'

N86°00'47"E 232.99'

N02°59'13"W 164.89'

225.0' R.O.W.

COUNTY TRUNK HIGHWAY "TT"

MATCHLINE

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER INLET (ROUND CASTING)
- STORM SEWER INLET (RECTANGULAR CASTING)
- PRECAST CONCRETE FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- EXISTING STORM INLET W/ RIM ADJUSTMENT
- EXISTING SANITARY MANHOLE W/ RIM ADJUSTMENT
- SANITARY SEWER
- STORM SEWER
- DRAINTILE (4" SINGLE WALL PERFORATED)
- DRAINTILE (6" SOLID WALL SDR-35 PVC)
- UNDERDRAIN
- DRAINTILE DONUT
- W — PRIVATE WATERMAIN
- PUBLIC WATERMAIN
- FP — FIRE PROTECTION

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UTILITY PLAN

C6.01

POND 3
NWL=925.00
HWL=931.98

MATCHLINE

SEE SHEET C6.04

CONNECT TO FUTURE
SANITARY LIFT STATION

6" SANITARY
SEWER (TYP.)

SANITARY
SEWER MH
(TYP.)

POND 2
NWL=937.50
HWL=946.39

INFILTRATION BASIN
NSI=924.00
TOP OF BERM=927.00

SEE SHEET C6.01

N01°56'42"E 259.98'

PROPERTY LINE

120.5' R.O.W.

TEMPORARY
LIMITED EASEMENT

N01°59'53"E 43.65'

S87°35'07"E 189.60'

N01°59'53"E 121.00'

S88°00'07"E 75.00'

N01°59'53"E 124.42'

145.9' R.O.W.

S85°43'49"E 122.11'

L=984.93'
RADIUS=11570.00'
S89°11'52"E
CHORD=984.63'

PROPERTY LINE

210.0' R.O.W.

COUNTY TRUNK HIGHWAY "TT"

COUNTY TRUNK
HIGHWAY "N"

MATCHLINE

NORTH

GRAPHICAL SCALE (FEET)
0 1" = 40' 80'

LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER INLET (ROUND CASTING)
- STORM SEWER INLET (RECTANGULAR CASTING)
- PRECAST CONCRETE FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- EXISTING STORM INLET W/ RIM ADJUSTMENT
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- SANITARY SEWER
- STORM SEWER
- DRAINTILE (4" SINGLE WALL PERFORATED)
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- W — PRIVATE WATERMAIN
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UTILITY PLAN

C6.02

MATCHLINE

SEE SHEET C6.05

PROPOSED BUILDING
649,752 SF I FFE=950.00

6" SANITARY LATERAL (TYP.)

1-1/2" WATER SERVICE (TYP.)

HYDRANT (TYP.)

APPROXIMATE LOCATION OF A WISCONSIN POWER AND LIGHT COMPANY EASEMENT

S01°57'24"W 1318.40'

PROPERTY LINE

66' RESERVED FOR FUTURE DEDICATION AS PUBLIC ROAD RIGHT OF WAY

N01°57'24"E 1318.40'

SANITARY SEWER MH (TYP.)

6" SANITARY SEWER (TYP.)

10" FIRE PROTECTION LEAD-IN (TYP.) (TYP.)

POST INDICATOR VALVE (PIV) (TYP.)

SEE SHEET C6.04

MATCHLINE

SEE SHEET C6.01

POND 1
NWL=937.50
HWL=946.41

POND 2
NWL=937.50
HWL=946.39

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
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- SANITARY SEWER
- STORM SEWER
- DRAINTILE (4" SINGLE WALL PERFORATED)
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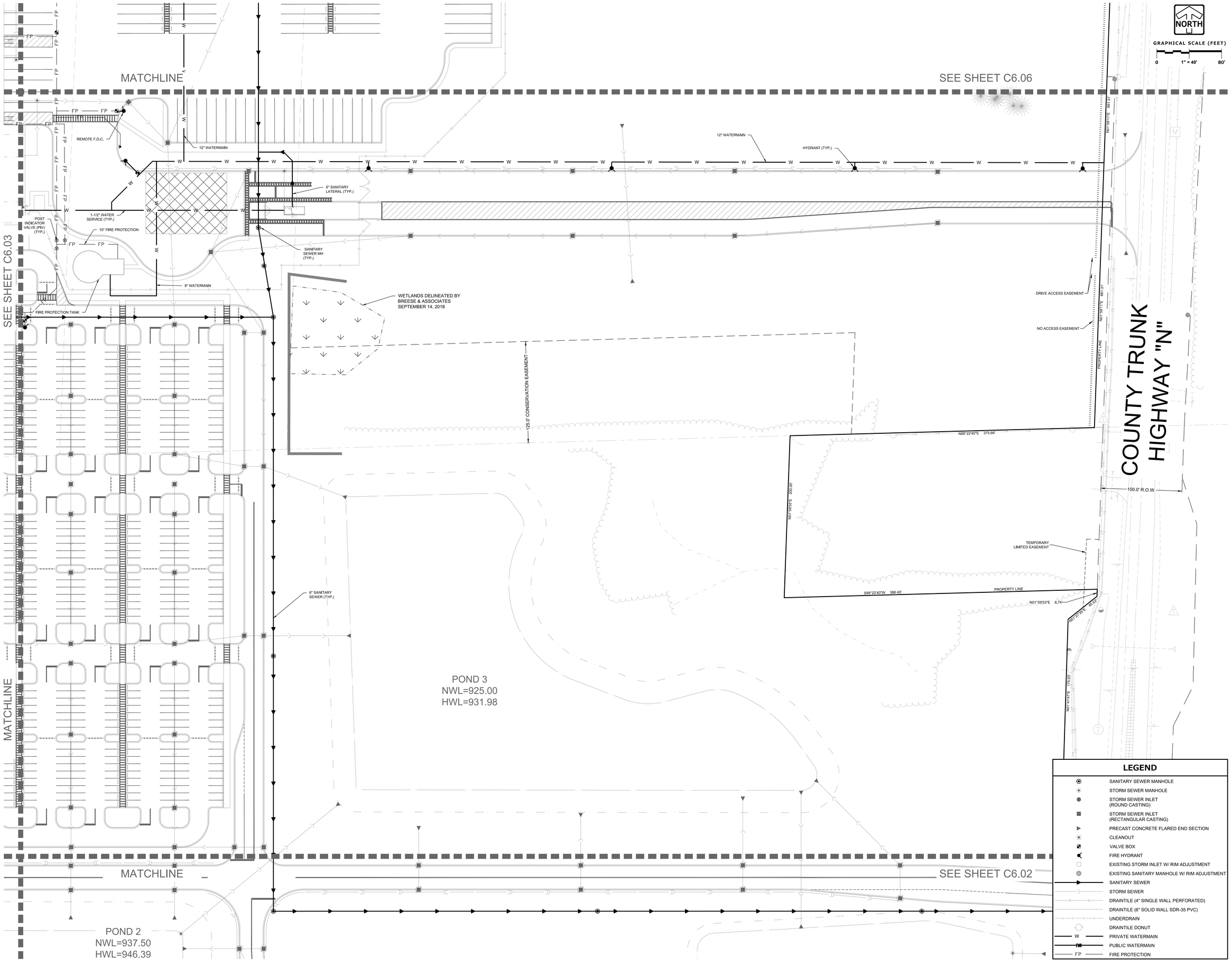
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UTILITY PLAN

C6.03



LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER INLET (ROUND CASTING)
- STORM SEWER INLET (RECTANGULAR CASTING)
- PRECAST CONCRETE FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- EXISTING STORM INLET W/ RIM ADJUSTMENT
- EXISTING SANITARY MANHOLE W/ RIM ADJUSTMENT
- SANITARY SEWER
- STORM SEWER
- DRAINTILE (4" SINGLE WALL PERFORATED)
- DRAINTILE (6" SOLID WALL SDR-35 PVC)
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- W — PRIVATE WATERMAIN
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UTILITY PLAN

C6.04

LEGEND

- SANITARY SEWER MANHOLE
- STORM SEWER MANHOLE
- STORM SEWER INLET (ROUND CASTING)
- STORM SEWER INLET (RECTANGULAR CASTING)
- PRECAST CONCRETE FLARED END SECTION
- CLEANOUT
- VALVE BOX
- FIRE HYDRANT
- EXISTING STORM INLET W/ RIM ADJUSTMENT
- EXISTING SANITARY MANHOLE W/ RIM ADJUSTMENT
- SANITARY SEWER
- STORM SEWER
- DRAINTILE (4" SINGLE WALL PERFORATED)
- DRAINTILE (6" SOLID WALL SDR-35 PVC)
- UNDERDRAIN
- DRAINTILE DONUT
- W — PRIVATE WATERMAIN
- W — PUBLIC WATERMAIN
- FP — FIRE PROTECTION

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

S88°08'33"W 2605.18'

PROPERTY LINE

PROPERTY LINE

SEE SHEET C6.06

APPROXIMATE LOCATION OF A WISCONSIN POWER AND LIGHT COMPANY EASEMENT

6" SANITARY SEWER (TYP.)

SANITARY SEWER MH (TYP.)

POST INDICATOR VALVE (PIV) (TYP.)

FIRE HYDRANT (TYP.)

6" SANITARY LATERAL (TYP.)

SECTIONAL VALVE (TYP.)

S01°57'24"W 1318.49'

PROPOSED BUILDING
649,752 SF I FFE=950.00

MATCHLINE

MATCHLINE

SEE SHEET C6.03

W

M+H ARCHITECTS

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PEG JOB#: 1550.00A

PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

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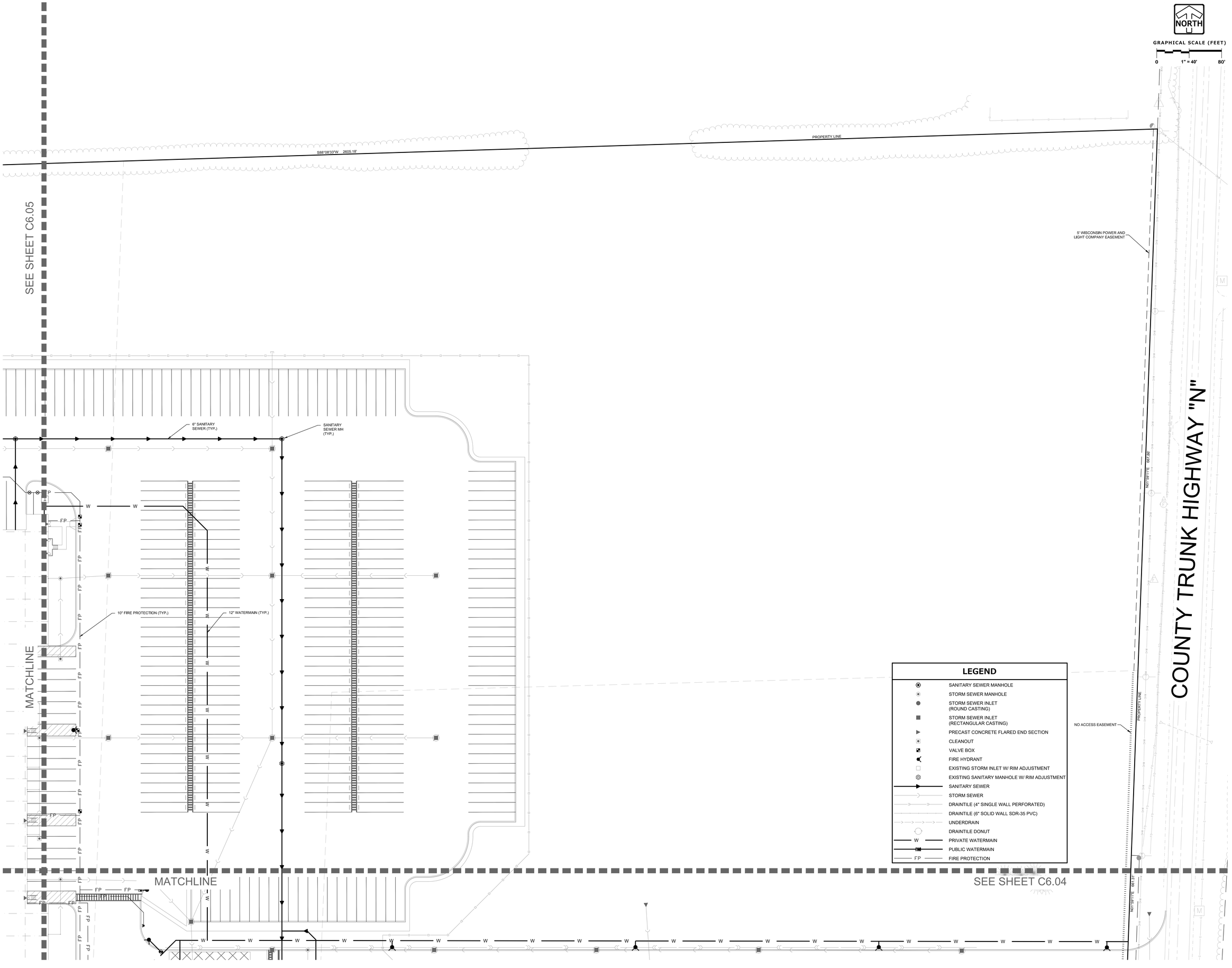
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UTILITY PLAN

C6.05



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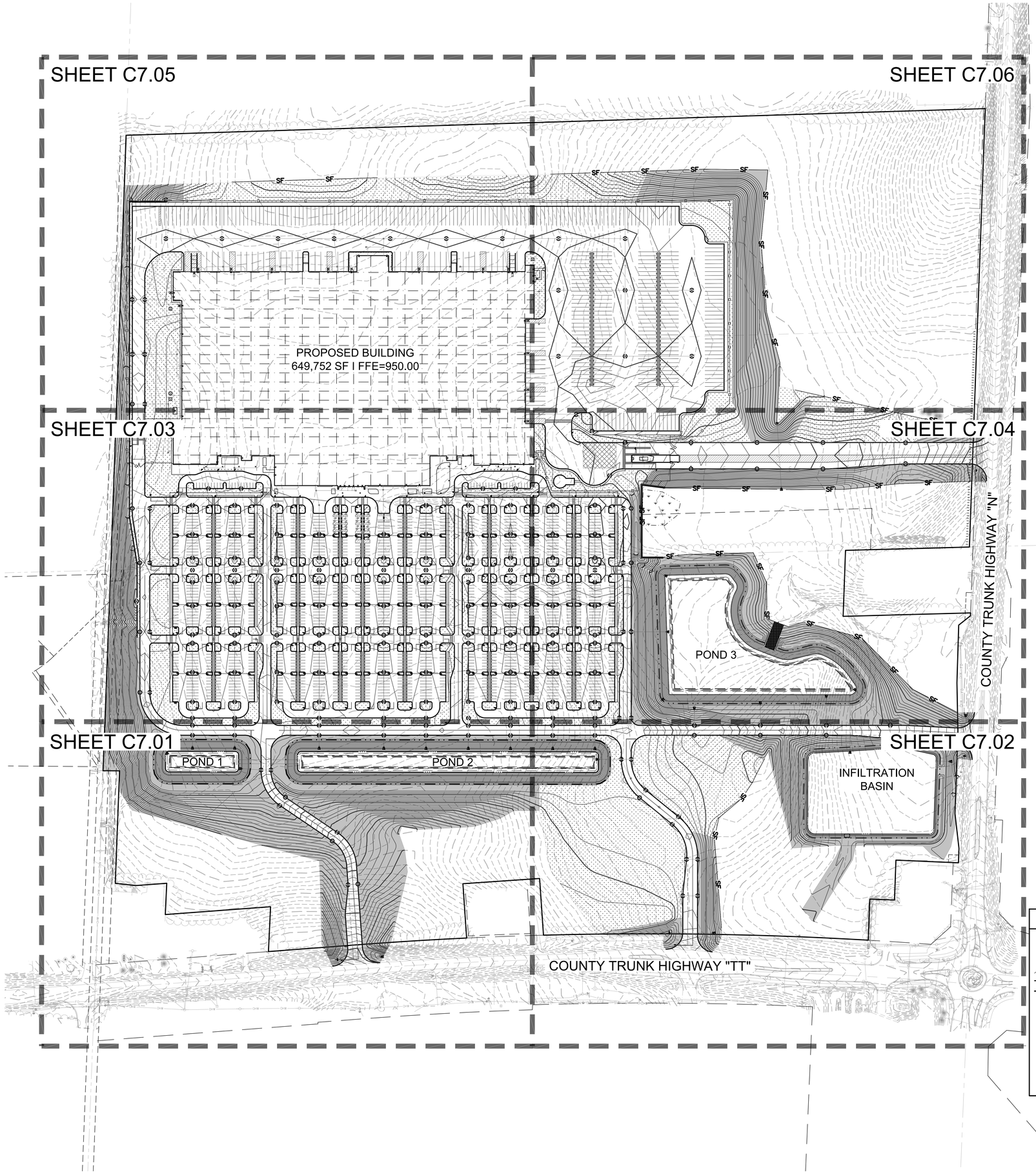
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UTILITY PLAN

C6.06



NORTH

GRAPHICAL SCALE (FEET)

0 1" = 120' 240'

CONSTRUCTION SITE SEQUENCING

1. INSTALL PERIMETER SILT FENCE, INLET PROTECTION AND TEMPORARY CONSTRUCTION ENTRANCE.
2. STRIP AND STOCKPILE TOPSOIL, INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
3. CONDUCT ROUGH GRADING EFFORTS AND INSTALL CHECK DAMS AND SEDIMENT TRAPS/BASINS AS NEEDED.
4. INSTALL UTILITY PIPING AND STRUCTURES, IMMEDIATELY INSTALL INLET PROTECTION.
5. COMPLETE FINAL GRADING, INSTALLATION OF GRAVEL BASE COURSES, PLACEMENT OF CURBS, PAVEMENTS, WALKS, ETC.
6. PLACE TOPSOIL AND IMMEDIATELY STABILIZE DISTURBED AREAS WITH EROSION CONTROLS.
7. EROSION CONTROL MEASURES SHALL BE REMOVED ONLY AFTER SITE CONSTRUCTION IS COMPLETE WITH ALL SOIL SURFACES HAVING AN ESTABLISHED VEGETATIVE COVER.

   CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM 1 AS NEEDED TO COMPLETE CONSTRUCTION IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS.

GENERAL EROSION AND SEDIMENT CONTROL NOTES

1. 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-S067831-4) 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. PAVED SURFACES ADJACENT TO CONSTRUCTION ENTRANCES SHALL BE SWEPT AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST IMMEDIATELY AND AS REQUESTED BY THE GOVERNING AGENCIES.
7. ALL EXISTING STORM SEWER FACILITIES THAT WILL COLLECT RUNOFF FROM DISTURBED AREAS SHALL BE PROTECTED TO 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.
8. 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.
9. 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.
10. ALL WATERCOURSES AND WETLANDS SHALL BE PROTECTED WITH SILT FENCE TO PREVENT ANY DIRECT DISCHARGE FROM DISTURBED SOILS.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. GRADING EFFORTS SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. EROSION AND SEDIMENT 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. SEE ADDITIONAL DETAILS AND NOTES ON SITE STABILIZATION AND CONSTRUCTION DETAILS.

LEGEND

- PROPOSED FLARED END SECTION
- STORM CATCH BASIN
- CURB CATCH BASIN
- PROPOSED CONTOUR (749)
- NORMAL WATER LEVEL (NWL)
- HIGH WATER LEVEL (HWL)
- RIPRAP
- CULVERT PIPE CHECK
- INLET PROTECTION
- STRAW WATTLE
- EROSION CONTROL BLANKET
- HYDROSEED
- TURF REINFORCEMENT MAT (TRF)

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PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

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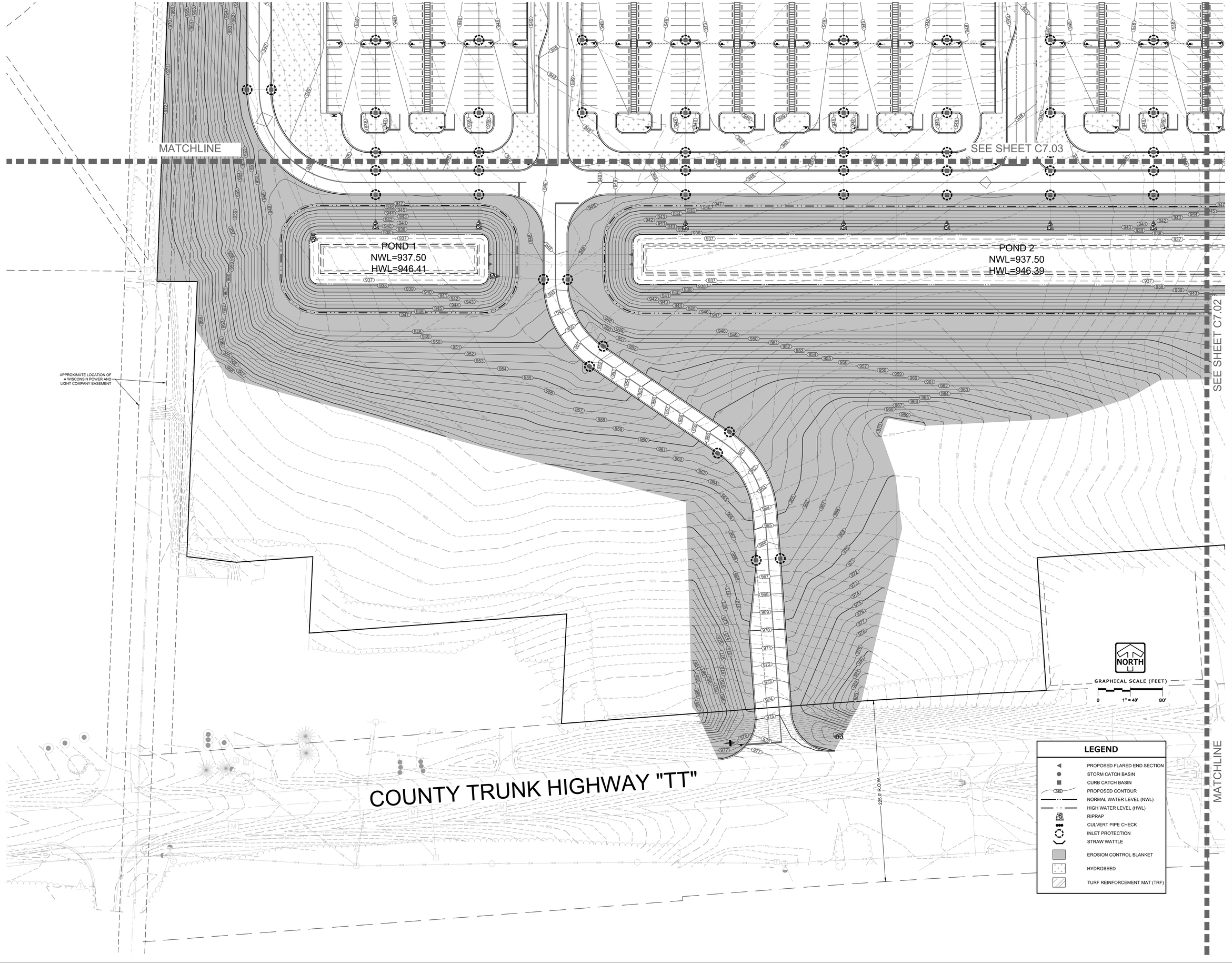
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SITE STABILIZATION PLAN OVERVIEW

C7.00



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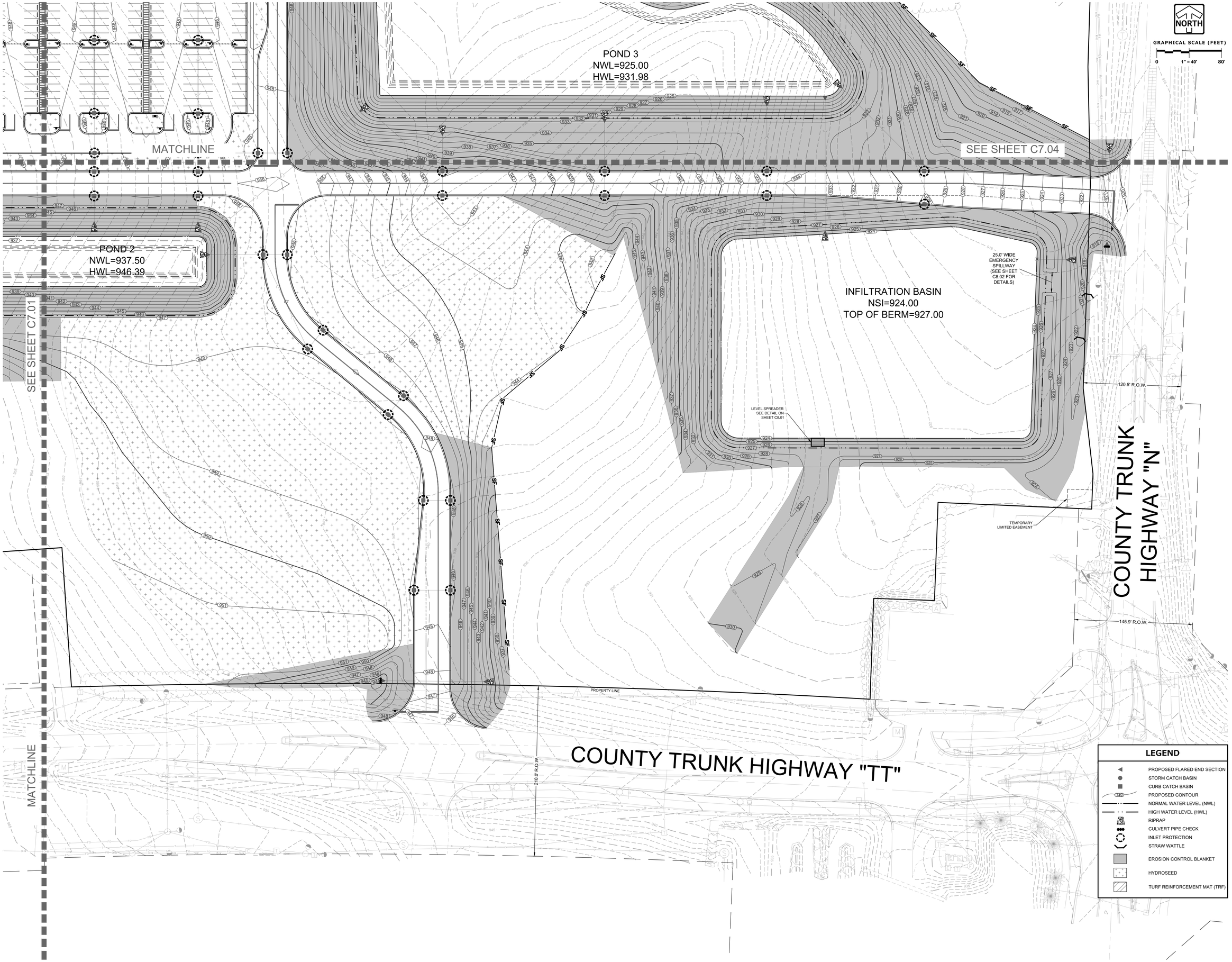
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SITE STABILIZATION PLAN

C7.01



LEGEND

- PROPOSED FLARED END SECTION
- STORM CATCH BASIN
- CURB CATCH BASIN
- PROPOSED CONTOUR
- NORMAL WATER LEVEL (NWL)
- HIGH WATER LEVEL (HWL)
- RIPRAP
- CULVERT PIPE CHECK
- INLET PROTECTION
- STRAW WATTLE
- EROSION CONTROL BLANKET
- HYDROSEED
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SITE STABILIZATION PLAN

C7.02

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

MATCHLINE

SEE SHEET C7.05

PROPOSED BUILDING
649,752 SF I FFE=950.00

SEE SHEET C7.04

MATCHLINE

APPROXIMATE LOCATION OF A WISCONSIN POWER AND LIGHT COMPANY EASEMENT

66' RESERVED FOR FUTURE DEDICATION AS PUBLIC ROAD RIGHT OF WAY

MATCHLINE

SEE SHEET C7.01

POND 1
NWL=937.50
HWL=946.41

POND 2
NWL=937.50
HWL=946.39

LEGEND

- PROPOSED FLARED END SECTION
- STORM CATCH BASIN
- CURB CATCH BASIN
- PROPOSED CONTOUR (748)
- NORMAL WATER LEVEL (NWL)
- HIGH WATER LEVEL (HWL)
- RIPRAP
- CULVERT PIPE CHECK
- INLET PROTECTION
- STRAW WATTLE
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SITE STABILIZATION PLAN

C7.03

MATCHLINE

SEE SHEET C7.06

SEE SHEET C7.03

MATCHLINE

MATCHLINE

SEE SHEET C7.02

POND 3
NWL=925.00
HWL=931.98

POND 2
NWL=937.50
HWL=946.39

30.0' WIDE SPILLWAY (SEE SHEET C8.02 FOR DETAILS)

125.0' CONSERVATION EASEMENT

17' X 20' SEPTIC EASEMENT

DRIVE ACCESS EASEMENT

NO ACCESS EASEMENT

TEMPORARY LIMITED EASEMENT

100.0' R.O.W.

COUNTY TRUNK HIGHWAY "N"

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

LEGEND

- PROPOSED FLARED END SECTION
- STORM CATCH BASIN
- CURB CATCH BASIN
- PROPOSED CONTOUR
- NORMAL WATER LEVEL (NWL)
- HIGH WATER LEVEL (HWL)
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SITE STABILIZATION PLAN

C7.04

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

LEGEND

- PROPOSED FLARED END SECTION
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SEE SHEET C7.06

APPROXIMATE LOCATION OF A WISCONSIN POWER AND LIGHT COMPANY EASEMENT

PROPOSED BUILDING
649,752 SF I FFE=950.00

MATCHLINE

MATCHLINE

SEE SHEET C7.03

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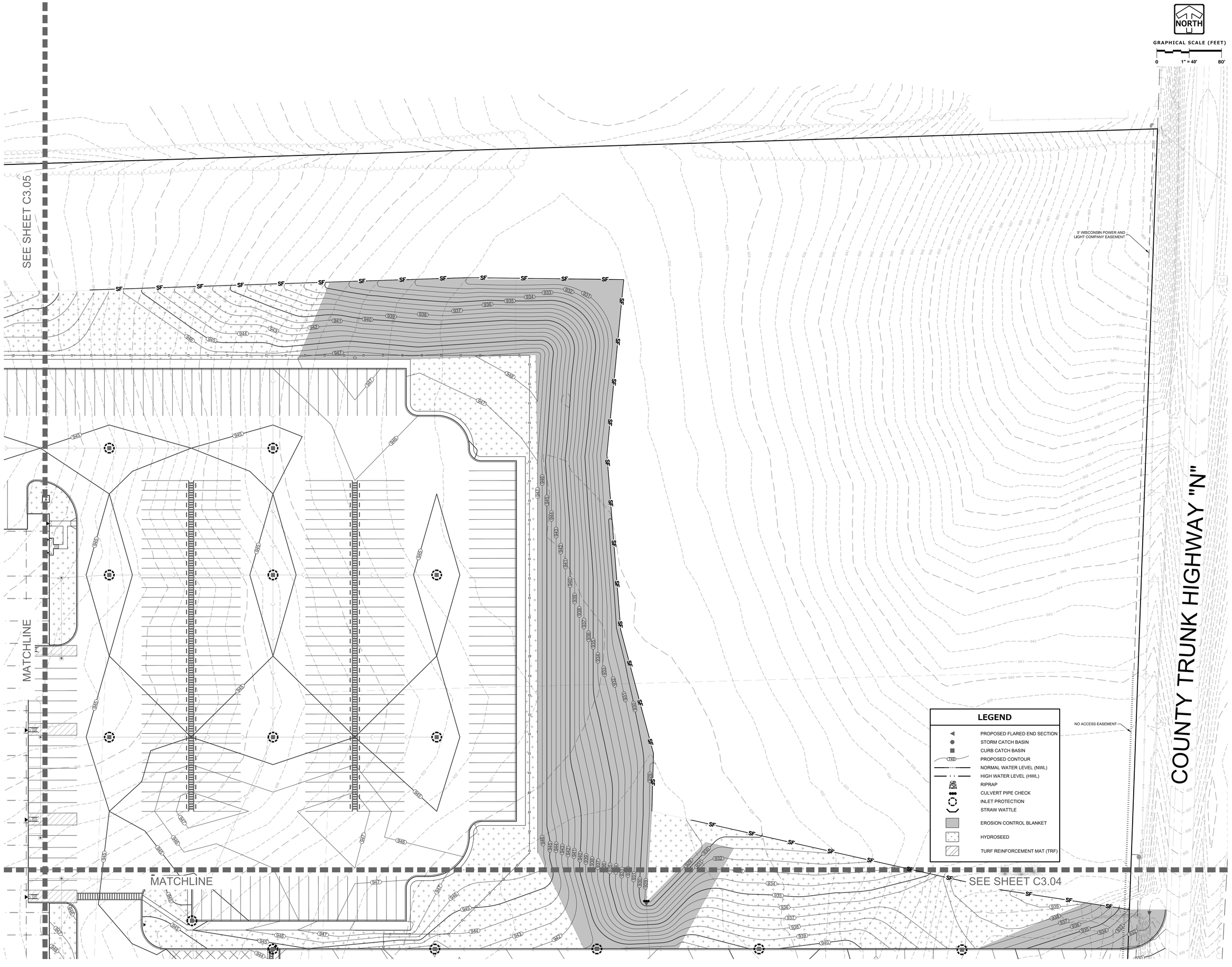
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SITE STABILIZATION PLAN

C7.06

1.0 POTENTIAL POLLUTANT SOURCES

GIVEN THE PROPOSED ACTIVITY ON THE PROJECT SITE, THE PRIMARY POTENTIAL POLLUTANT SOURCE ASSOCIATED WITH THIS CONSTRUCTION PROJECT IS SOIL EROSION AND TRANSPORTATION; REFER TO SECTION 4 OF THIS PLAN. ADDITIONAL POTENTIAL SOURCES OF POLLUTION MAY INCLUDE: FUEL TANKS, WASTE CONTAINERS, OIL OR OTHER PETROLEUM PRODUCTS, DETERGENTS, PAINTS, CONSTRUCTION DEBRIS, SANITARY STATIONS, FERTILIZERS, AND DUST; REFER TO SECTION 6 OF THIS PLAN.

2.0 EROSION AND SEDIMENT CONTROL IMPLEMENTATION

THE FOLLOWING ARE DESCRIPTIONS OF THE EROSION AND SEDIMENT CONTROL PRACTICES THAT SHALL BE IMPLEMENTED DURING CONSTRUCTION OF THIS PROJECT. IN ADDITION TO THESE MEASURES, CONTRACTOR SHALL DISTURB ONLY AREAS NECESSARY TO COMPLETE THE CONSTRUCTION PROJECT. ALL PRACTICES SHALL BE CONDUCTED IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICES (BMP).

2.1 CONSTRUCTION AND EROSION CONTROL SEQUENCING

CONSTRUCTION SEQUENCING WILL BE UTILIZED AS A MEANS OF CONTROLLING EROSION AND LIMITING SEDIMENT TRANSPORT, SEQUENCING AS LISTED BELOW IS GENERAL IN NATURE AND MAY VARY DEPENDING ON WEATHER CONDITIONS AND/OR PHASING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A DETAILED SITE SEQUENCING PLAN TO OWNER FOR APPROVAL AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES, CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM 6 AS NEEDED TO COMPLETE CONSTRUCTION ONLY IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION AND SEDIMENT CONTROL REQUIREMENTS.

1. INSTALL TEMPORARY CONSTRUCTION ENTRANCES, INLET PROTECTION ON EXISTING STORM SEWER AND CULVERT INLET LOCATIONS, AND PERIMETER SILT FENCING.
2. INSTALL SILT FENCING ALONG THE PERIMETER OF PROPOSED TOPSOIL STOCKPILE LOCATIONS. THE FIRST TOPSOIL DEPOSITED WITHIN THE STOCKPILE LIMITS SHALL BE PLACED TO CREATE TEMPORARY BERMING ALONG THE SILT FENCE TO PREVENT DIRECT STORMWATER RUNOFF AGAINST SILT FENCING. CONTRACTOR SHALL LIMIT LAND DISTURBING ACTIVITIES ASSOCIATED WITH TEMPORARY BERMING TO A MINIMUM.
3. STRIP TOPSOIL WITHIN THE LIMITS OF THE SEDIMENT TRAPS THAT WILL BE USED FOR TEMPORARY SEDIMENT CONTROL. STRIPPED TOPSOIL SHALL BE PLACED TO CONSTRUCT DIVERSION BERMING OR PLACED WITHIN THE STOCKPILE LIMITS.
4. STRIP TOPSOIL ALONG THE REMAINDER OF DIVERSION BERMING AND IMMEDIATELY PLACE TOPSOIL TO CREATE THE BERMING. MASS TOPSOIL STRIPPING SHALL NOT OCCUR UNTIL ALL DOWNSTREAM SEDIMENT CONTROLS ARE IN PLACE.
5. CONDUCT ROUGH GRADING OPERATIONS AND UTILITY PIPING INSTALLATION. DRAIN TILE SHALL NOT BE INSTALLED UNTIL UPLAND AREAS CONTRIBUTING STORMWATER RUNOFF ARE STABILIZED. DITCH CHECKS SHALL BE INSTALLED WITHIN DRAINAGE DITCHES IMMEDIATELY FOLLOWING CREATION OF DITCHES AND INLET PROTECTION SHALL BE INSTALLED TO PROTECT ANY STORM SEWER OR CULVERTS THAT WILL FUNCTION DURING CONSTRUCTION.
6. FINE GRADE SUB-GRADE SOILS WITHIN PAVEMENT AND BUILDING LIMITS. PLACE STONE BASE MATERIAL AS SOON AS POSSIBLE FOLLOWING COMPLETION OF FINE GRADING EFFORTS.
7. FINE GRADE REMAINING DISTURBED AREAS. PLACE SALVAGED TOPSOIL, EROSION BLANKETS/MATTING, AND SEED/MULCH AS SOON AS POSSIBLE FOLLOWING COMPLETION OF FINE GRADING EFFORTS.
8. EROSION CONTROLS SHALL NOT BE REMOVED UNTIL SITE IS FULLY STABILIZED OR 70% VEGETATIVE COVER IS ESTABLISHED. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF SILT FENCE, TEMPORARY FENCING/PRETECTION, DITCH CHECKS, AND OTHER TEMPORARY CONTROLS, AND RESTORATION PRACTICES AS NECESSARY, TO THE SATISFACTION OF THE OWNER.

2.2 STABILIZATION PRACTICES

THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR, WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE, AND WHEN STABILIZATION MEASURES ARE INITIATED, SHALL BE RECORDED ON THE STABILIZATION SCHEDULE FOR MAJOR GRADING ACTIVITIES.

STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. NO MORE THAN SEVEN (7) DAYS SHALL PASS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS PERMANENTLY CEASED UNLESS:

THE INITIATION OF STABILIZATION MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASE IS PRECLUDED BY SNOW COVER. IN THAT EVENT, STABILIZATION MEASURE SHALL BE INITIATED AS SOON AS PRACTICABLE.

CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) DAYS FROM WHEN ACTIVITIES CEASED, (I.E. THE TOTAL TIME PERIOD THAT THE CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN FOURTEEN (14) DAYS), IN THAT EVENT, STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED. SEE THE SOIL PROTECTION CHART PRESENTED IN THE CONSTRUCTION DOCUMENTS FOR RATES OF PERMANENT AND TEMPORARY VEGETATION.

STABILIZATION MEASURES SHALL BE DETERMINED BASED ON SITE CONDITIONS AT THE TIME CONSTRUCTION ACTIVITY HAS CEASED, INCLUDING BUT NOT LIMITED TO WEATHER CONDITIONS AND LENGTH OF TIME MEASURE MUST BE EFFECTIVE, THE FOLLOWING ARE ACCEPTABLE STABILIZATION MEASURES.

PERMANENT SEEDING; IN ACCORDANCE WITH APPROVED LANDSCAPING PLAN
TEMPORARY SEEDING MAY CONSIST OF SPRING OATS (100LBS/ACRE) AND/OR WHEAT OR CEREAL RYE (150LBS/ACRE)
HYDRO-MULCHING WITH A TACKIFIER
GEOTEXTILE EROSION MATTING
SODDING

2.3 STRUCTURAL PRACTICES

THE FOLLOWING ARE DESCRIPTIONS OF STRUCTURAL PRACTICES TO BE IMPLEMENTED TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS, OR OTHERWISE LIMIT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE INCLUDING THE PROPOSED AND EXISTING WETLAND AREAS. SUCH PRACTICES COULD INCLUDE SILT FENCE, PROTECTION FENCE, CONSTRUCTION ENTRANCE, DITCH CHECK, EROSION CONTROL MATTING, DIVERSION BERM/SWALE, SEDIMENT TRAP, LEVEL SPREADER, INLET PROTECTION, OUTLET PROTECTION, AND TEMPORARY OR PERMANENT SEDIMENT BASIN. THE FOLLOWING STRUCTURAL PRACTICES ARE TO BE UTILIZED DURING THIS PROJECT.

SILT FENCE SHALL BE PLACED DOWN SLOPE OF DISTURBED AREAS OF THE CONSTRUCTION SITE AND AROUND THE PERIMETER OF THE TOPSOIL STOCKPILE. THIS INCLUDES PROTECTION OF EXISTING WETLAND AREAS TO BE MAINTAINED. SILT FENCE MAY ALSO BE USED AS A TEMPORARY CONTROL DEVICE WHERE SEDIMENTATION RUNOFF IS DISCOVERED.

CONSTRUCTION ENTRANCE SHALL BE INSTALLED TO REDUCE SOIL EROSION POLLUTANTS FROM LEAVING THE SITE DURING CONSTRUCTION ACTIVITIES. IF THE CRUSHED STONE DOES NOT ADEQUATELY REMOVE MUD FROM VEHICLE TIRES, THEY SHALL BE HOSED OFF BEFORE ENTERING A PAVED ROADWAY. ANY SOIL DEPOSITED ON THE PUBLIC PAVED ROAD WAY SHALL BE REMOVED IMMEDIATELY.

DITCH CHECK (STRAW WATTLES) SHALL BE INSTALLED IN DRAINAGE CHANNELS AS NEEDED.

EROSION CONTROL MATTING SHALL BE PLACED ON AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 3H:1V, BEFORE VEGETATION IS ESTABLISHED.

DIVERSION BERM/SWALE SHALL BE CONSTRUCTED TO DIVERT RUNOFF AROUND THE SITE AND TO DIVERT RUNOFF FROM THE DISTURBED AREA TO A SEDIMENT TRAP OR OTHER CONTROL. BERMS/SWALES SHALL BE STABILIZED WITH EQUIPMENT TRACKING AND TEMPORARY SEEDING.

SEDIMENT TRAPS/BASIN SHALL BE CONSTRUCTED TO COLLECT RUNOFF AND RUNOFF FROM SITE DIVERSION BERMS/SWALES.

INLET PROTECTION SHALL BE INSTALLED AT STORMWATER DRAINAGE INLETS TO REDUCE SEDIMENT WITHIN STORM SEWER CONVEYANCE FEATURES.

OUTLET SCOUR PROTECTION SHALL BE INSTALLED AT STORMWATER DRAINAGE OUTLETS TO DIFFUSE FLOWS.

3.0 ADDITIONAL PRACTICES

ADDITIONAL POLLUTANT CONTROL MEASURES TO BE IMPLEMENTED DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING.

CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF, THIS INCLUDES ALL CONSTRUCTION SITE WASTE MATERIAL, SANITARY WASTE, AND WASTE FROM VEHICLE TRACKING OF SEDIMENTS. THE CONTRACTOR SHALL ENSURE THAT NO MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, BURNED, OR DISCHARGED TO THE WATERS OF THE STATE, VEHICLES HAULING MATERIAL AWAY FROM THE SITE SHALL BE COVERED WITH A TARPAULIN TO PREVENT BLOWING DEBRIS.

DUST CONTROL SHALL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS:

COVERING 30% OR MORE OF THE SOIL SURFACE WITH A NON-ERODIBLE MATERIAL.

ROUGHENING (EQUIPMENT TRACKING) THE SOIL TO PRODUCE RIDGES PERPENDICULAR TO THE PREVAILING WIND. RIDGES SHALL BE AT LEAST SIX (6) INCHES IN HEIGHT.

FREQUENT WATERING OF EXCAVATION AND FILL AREAS.

PROVIDING GRAVEL OR PAVING AT ENTRANCE/EXIT DRIVES, PARKING AREAS AND TRANSIT PATHS.

STREET SWEEPING SHALL BE PERFORMED TO IMMEDIATELY REMOVE ANY SEDIMENT TRACKED ON PAVEMENTS.

4.0 EROSION AND SEDIMENT STRUCTURAL PRACTICE MAINTENANCE

THE FOLLOWING MAINTENANCE PRACTICES SHALL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES, AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN. UPON IDENTIFICATION, DEFICIENCIES IN STORMWATER CONTROLS SHALL BE ADDRESSED IMMEDIATELY. THE MAINTENANCE PROCEDURES FOR THIS DEVELOPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO THE BELOW.

SILT FENCE - REPAIR OR REPLACE ANY DAMAGED FILTER FABRIC AND/OR STAKES. REMOVE ACCUMULATED SEDIMENT WHEN IT HAS REACHED ONE-HALF THE ABOVE GROUND HEIGHT OF THE FENCE.

CONSTRUCTION ENTRANCE - AS NEEDED, ADD STONE TO MAINTAIN CONSTRUCTION ENTRANCE DIMENSIONS AND EFFECTIVENESS.

DITCH CHECK (STRAW WATTLES) - RE-SECURE STAKES; ADJUST OR REPOSITION BALES TO ADDRESS PROPER FLOW OF STORMWATER; AND REMOVE ACCUMULATED SEDIMENT WHEN IT HAS REACHED ONE-HALF THE HEIGHT OF THE BALE.

EROSION CONTROL MATTING - REPAIR MATTING IMMEDIATELY IF INSPECTION REVEALS BREACHED OR FAILED CONDITIONS, REPAIR AND RE-GRADE SOIL WHERE CHANNELIZATION HAS OCCURRED.

DIVERSION BERM/SWALE - REPLACE OR RE-COMPACT THE CONSTRUCTION MATERIALS AS NECESSARY.

SEDIMENT TRAP - REMOVE AND DISPOSE OF THE ACCUMULATED SEDIMENT WHEN IT HAS REACHED THE SEDIMENT STORAGE ELEVATION.

INLET PROTECTION - CLEAN, REPAIR OR REPLACE FILTER FABRIC AND/OR STONE WHEN CONTROL MEASURE IS CLOGGED, INLET FILTER BAGS SHALL BE REPLACED ONCE ONE-HALF FULL OF SEDIMENT.

OUTLET PROTECTION - CLEAN, REPAIR OR REPLACE FILTER FABRIC, TURF REINFORCEMENT MATTING AND/OR STONE WHEN CONTROL MEASURE IS ONE-HALF FULL OF SEDIMENT.

SEDIMENT BASIN - AT THE END OF CONSTRUCTION, CONTRACTOR SHALL REMOVE AND DISPOSE OF THE ACCUMULATED SEDIMENT AND RESTORE BASIN AREA TO INTENDED POST-CONSTRUCTION DESIGN GRADES.

5.0 INSPECTION

INSPECTIONS SHALL BE COMPLETED WITHIN TWENTY-FOUR (24) HOURS OF THE END OF A RAINFALL EVENT THAT IS ONE-HALF INCH OR GREATER OR EQUIVALENT SNOWFALL, OR AT A MINIMUM ONCE EVERY SEVEN (7) CALENDAR DAYS, INSPECTIONS SHALL BE UNDERTAKEN BY QUALIFIED PERSONNEL PROVIDED BY THE CONTRACTOR, AND SHALL INCLUDE: DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, A STORMWATER POLLUTION PREVENTION PLAN INSPECTION REPORT SHALL BE COMPLETED AND ADDED TO THE SWPPP. RAINFALL SHALL BE RECORDED ON THE SWPPP RAINFALL LOG, CONTRACTOR SHALL IMMEDIATELY ARRANGE FOR REPAIR OR REPLACEMENT OF ANY DAMAGED OR DEFICIENT CONTROL MEASURES OBSERVED DURING THE INSPECTION,

QUALIFIED PERSONNEL MEANS A PERSON KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS A LICENSED PROFESSIONAL ENGINEER, A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL, A CERTIFIED EROSION SEDIMENT OR STORMWATER INSPECTOR, OR OTHER TRAINED INDIVIDUAL.

6.0 SPILL PREVENTION

6.1 GENERAL MATERIAL MANAGEMENT PRACTICES

THE GOOD HOUSEKEEPING PRACTICES LISTED BELOW SHALL BE FOLLOWED THROUGHOUT THE CONSTRUCTION PROJECT,

1. CONTRACTOR SHALL STORE ONLY ENOUGH PRODUCTS REQUIRED TO COMPLETE THIS PROJECT,
2. ALL MATERIAL SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR ORIGINAL CONTAINERS CONTAINING MANUFACTURER'S LABEL,
3. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED,
4. MATERIALS REQUIRED TO HAVE A MATERIAL SAFETY DATA SHEET (MSDS) SHALL HAVE A COPY STORED IN THE PROJECT'S MSDS DATABASE.

6.2 SPILL CONTROL PRACTICES

THE PRACTICES LISTED BELOW SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP.

1. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE MAINTAINED ONSITE.
2. IMMEDIATELY UPON DISCOVERY, ALL SPILLS SHALL BE CLEANED UP ACCORDING TO THE MANUFACTURERS' RECOMMENDED METHODS.
3. PERSONNEL CLEANING UP A SPILL SHALL USE PERSONAL PROTECTIVE EQUIPMENT.
4. IMMEDIATELY UPON DISCOVERY, SPILLS OF TOXIC OR HAZARDOUS MATERIALS SHALL BE REPORTED TO THE OWNER AND GENERAL CONTRACTOR.
5. NOTIFICATION AND REPORTING TO THE APPROPRIATE FEDERAL, STATE, AND LOCAL GOVERNMENT AGENCIES SHALL BE MADE AS REQUIRED.

GENERAL INFORMATION:

THIS STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN DEVELOPED TO FULFILL ONE OF THE REQUIREMENTS OF THE GENERAL ENVIRONMENTAL PROTECTION AGENCY (EPA) NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (WISCONSIN POLLUTION DISCHARGE ELIMINATION SYSTEM "WPDES" PERMIT) FOR THE DISCHARGE OF STORMWATER ASSOCIATED WITH CONSTRUCTION PROJECTS DISTURBING ONE ACRE OR MORE. THE OWNER AND CONTRACTORS SHALL COMPLY WITH ALL REQUIREMENTS OF THE WPDES FOR ALL SUCH CONSTRUCTION PROJECTS. THE STORMWATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY FROM THIS SITE ARE SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE PERMITS.

THE EXECUTED OWNER CERTIFICATION AND THE CONTRACTOR CERTIFICATIONS SHALL BE KEPT ONSITE WITH THE APPROVED PLANS.

SWPPP AVAILABILITY:

THE OWNER SHALL RETAIN A COPY OF THE SWPPP AT THE CONSTRUCTION SITE FROM THE DATE OF THE PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.

KEEPING PLANS CURRENT:

THE CONTRACTOR SHALL AMEND THE PLAN WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE STATE AND WHICH HAS NOT OTHERWISE BEEN ADDRESSED IN THE PLAN OR IF THE PLAN PROVES TO BE INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY CONTROLLING POLLUTANTS IN STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION SITE ACTIVITY. IN ADDITION, THE THE PLAN SHALL BE AMENDED TO IDENTIFY ANY NEW CONTRACTOR AND/OR SUBCONTRACTOR THAT WILL IMPLEMENT A MEASURE OF THE PLAN. AMENDMENTS TO THE PLAN MAY BE REQUIRED BY THE MUNICIPALITY, OWNER, OR OTHER REVIEWING AGENCY. COPIES OF THE AMENDMENTS SHALL BE KEPT ONSITE AS PART OF THE SWPPP.

RETENTION OF RECORDS:

THE OWNER SHALL RETAIN COPIES OF THIS AND ALL REPORTS AND NOTICES REQUIRED BY THIS PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT, FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE PERMIT COVERAGE EXPIRES OR IS TERMINATED. THIS PERIOD MAY BE EXTENDED BY THE REQUEST OF THE AGENCY AT ANY TIME. IN ADDITION, THE OWNER SHALL RETAIN A COPY OF THE PLAN REQUIRED BY THIS PERMIT AT THE CONSTRUCTION SITE FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.

A NOTICE OF INTENT (NOI) APPLICATION MUST BE COMPLETED AND INCORPORATED INTO THE SWPPP.

WPDES NOTICE OF TERMINATION GUIDANCE:

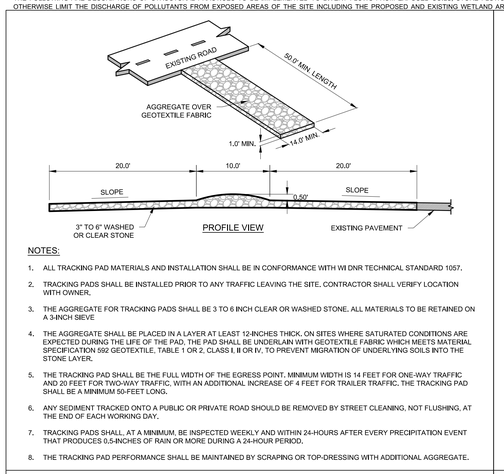
WHEN A SITE HAS BEEN FINALLY STABILIZED AND ALL STORMWATER DISCHARGES FROM CONSTRUCTION SITES THAT ARE AUTHORIZED BY THE PERMIT ARE ELIMINATED, THE OWNER OF THE FACILITY MUST SUBMIT A COMPLETED NOTICE OF TERMINATION THAT IS SIGNED IN ACCORDANCE WITH THE PERMIT. CONTRACTOR SHALL SUBMIT A COMPLETED NOTICE OF TERMINATION TO OWNER FOR EXECUTION PRIOR TO THEIR FINAL PAY APPLICATION REQUEST.

CONTROL MEASURE GROUP	CONTROL MEASURE	CONTROL MEASURE CHARACTERISTICS
VEGETATIVE SOIL COVER	TEMPORARY SEEDING	PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING IS NOT DESIRED OR TIME OF YEAR IS INAPPROPRIATE.
	PERMANENT SEEDING	PROVIDES PERMANENT VEGETATIVE COVER TO CONTROL EROSION, FILTERS SEDIMENT FROM WATER, MAY BE PART OF FINAL LANDSCAPE PLAN.
NON VEGETATIVE SOIL COVER	AGGREGATE COVER	PROVIDES TEMPORARY COVER ON ROADS AND PARKING LOTS AND AREAS WHERE VEGETATION CANNOT BE ESTABLISHED. PREVENTS MUD FROM BEING PICKED UP AND TRANSPORTED OFF-SITE.
	PAVING	PROVIDES PERMANENT COVER ON PARKING LOTS AND ROADS OR OTHER AREAS WHERE VEGETATION CANNOT BE ESTABLISHED.
DIVERSIONS	DIVERSION BERM / SWALE	DIVERTS RUNOFF TO A SEDIMENT TRAP OR OTHER CONTROL.
ENCLOSED DRAINAGE	STORM SEWER	CONVEYS SEDIMENT LADEN WATER TO A SEDIMENT BASIN.
OUTLETS	APRON ENDWALL OR RIPRAP	PROTECTS DOWNSTREAM CHANNEL FROM HIGH VELOCITY OF FLOW DISCHARGING FROM STRUCTURE.
SEDIMENT BASINS	TEMPORARY SEDIMENT TRAP	CONSTRUCTED TO REMOVE SILTATION FROM RUNOFF FROM SITE DIVERSION BERMS/SWALES AND IN OVERLAND FLOOD ROUTE. CAN BE CONVERTED TO PERMANENT SEDIMENT BASIN.
SEDIMENT FILTERS	SILT FENCE	PLACED DOWN SLOPE OF DISTURBED AREA TO KEEP RUNOFF CONTAINED ON-SITE.
	INLET PROTECTION	INSTALLED IN OPEN GRATE STRUCTURES TO COLLECT SEDIMENT.
	STRAW WATTLES	PLACED IN DRAINAGE CHANNELS TO FILTER SEDIMENT FROM RUNOFF.
MUD AND DUST CONTROL	CONSTRUCTION ENTRANCE	REDUCES SOIL EROSION POLLUTANTS BEING TRANSPORTED OFF-SITE.
	STREET SWEEPING	REDUCES POLLUTANTS TRACKED FROM CONSTRUCTION SITE.
	DUST CONTROL	PREVENTS DUST FROM LEAVING CONSTRUCTION SITE.

STABILIZATION EFFECTIVENESS (TIME OF YEAR)

STABILIZATION TYPE	STABILIZATION UTILIZATION PERIODS											
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING			A	*	*	*	*	*	*			
DORMANT SEEDING	B										B	
TEMPORARY SEEDING			C	*	*	*	D	*	*			
SODDING			E	*	*	*	*	*	*			

A. KENTUCKY BLUEGRASS 90 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 30 LBS/ACRE.
B. KENTUCKY BLUEGRASS 135 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 45 LBS/ACRE + 2 TONS STRAW MULCH/ACRE.
C. SPRING OATS 100 LBS/ACRE.
D. WHEAT OR CEREAL RYE 150 LBS/ACRE.
E. SOD.
F. STRAW MULCH 2 TONS/ACRE.
* IRRIGATION/WATERING REQUIRED TO SUPPORT ESTABLISHMENT AS NEEDED.

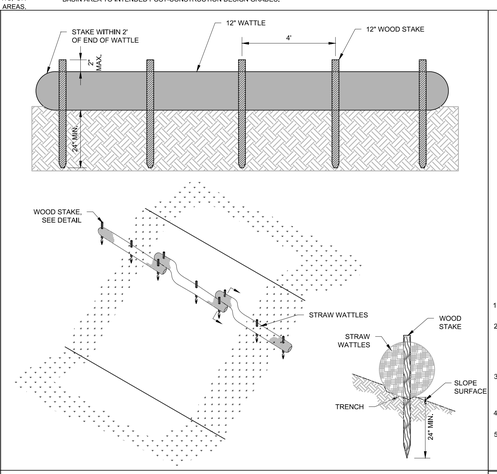


NOTES:

1. ALL TRACKING PAD MATERIALS AND INSTALLATION SHALL BE IN CONFORMANCE WITH WI DNR TECHNICAL STANDARD 1057.
2. TRACKING PADS SHALL BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE SITE. CONTRACTOR SHALL VERIFY LOCATION WITH OWNER.
3. THE AGGREGATE FOR TRACKING PADS SHALL BE 3 TO 6 INCH CLEAR OR WASHED STONE. ALL MATERIALS TO BE RETAINED ON A 3-INCH SIEVE
4. THE AGGREGATE SHALL BE PLACED IN A LAYER AT LEAST 12-INCHES THICK. ON SITES WHERE SATURATED CONDITIONS ARE EXPECTED DURING THE LIFE OF THE PAD, THE PAD SHALL BE UNDERLAIN WITH GEOTEXTILE FABRIC WHICH MEETS MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE 1 OR 2, CLASS I, II OR IV, TO PREVENT MIGRATION OF UNDERLYING SOILS INTO THE STONE LAYER.
5. THE TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT, MINIMUM WIDTH IS 14 FEET FOR ONE-WAY TRAFFIC AND 20 FEET FOR TWO-WAY TRAFFIC, WITH AN ADDITIONAL INCREASE OF 4 FEET FOR TRAILER TRAFFIC. THE TRACKING PAD SHALL BE A MINIMUM 50-FEET LONG.
6. ANY SEDIMENT TRACKED ONTO A PUBLIC OR PRIVATE ROAD SHOULD BE REMOVED BY STREET CLEANING, NOT FLUSHING, AT THE END OF EACH WORKING DAY.
7. TRACKING PADS SHALL, AT A MINIMUM, BE INSPECTED WEEKLY AND WITHIN 24-HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5-INCHES OF RAIN OR MORE DURING A 24-HOUR PERIOD.
8. THE TRACKING PAD PERFORMANCE SHALL BE MAINTAINED BY SCRAPING OR TOP-DRESSING WITH ADDITIONAL AGGREGATE.

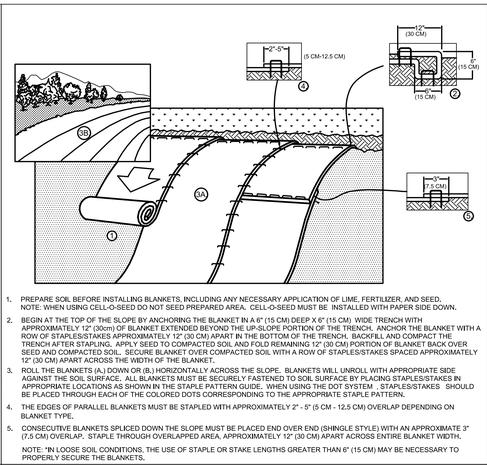
CONSTRUCTION ENTRANCE

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STRAW WATTLE

#137 06/01/15

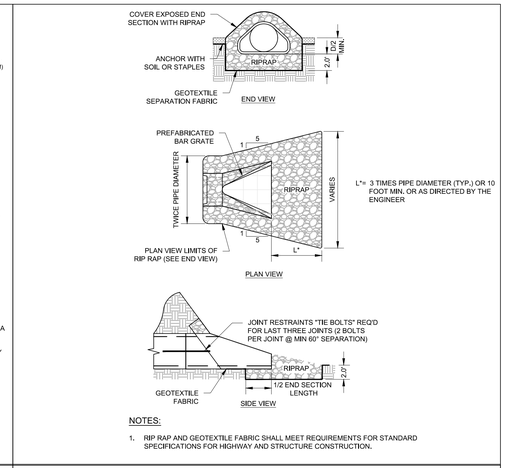


1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET 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 BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A,) DOWN OR (B,) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS 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 BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) OVERLAP DEPENDING ON BLANKET TYPE.
5. CONSECUTIVE BLANKETS 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 BLANKET WIDTH.

NOTE: "IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

EROSION MATTING - SLOPE INSTALLATION

12in 10/18/13

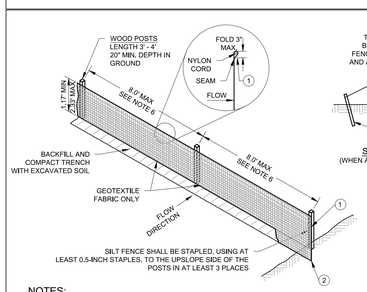


NOTES:

1. RIP RAP AND GEOTEXTILE FABRIC SHALL MEET REQUIREMENTS FOR STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

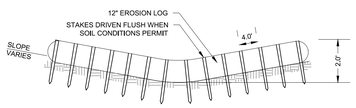
RIP RAP AT END SECTIONS

#124 12/26/12



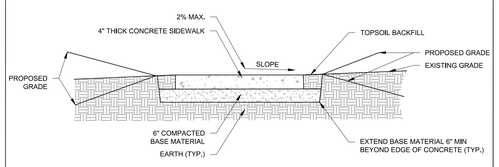
NOTES:

1. GEOTEXTILE FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS I WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN.
2. SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8-INCHES OF FABRIC IN A 4-INCH WIDE AND 6-INCH DEEP TRENCH OR 6-INCH DEEP V-TRENCH ON THE UPSLOPE SIDE OF THE FENCE, TRENCHES SHALL NOT BE EXCAVATED WIDER OR DEEPER THAN NECESSARY FOR PROPER INSTALLATION.
3. FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.
4. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1.125-INCHES x 1.125-INCHES OF DRIED OAK OR HICKORY.
5. SILT FENCE TO EXTEND ABOVE TH



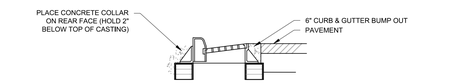
STRAW WATTLE DITCH CHECK

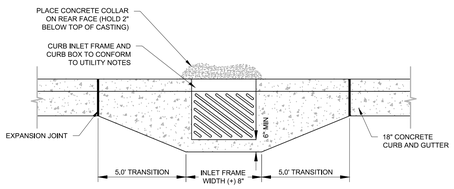
#138 05/01/2014



CONCRETE SIDEWALK

#507 10-11-12

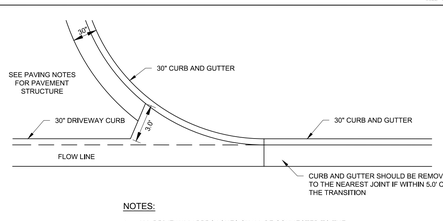




NOTE : CURB CONTRACTOR TO VERIFY POSITION AND ELEVATION OF FRAME AND GRATE PRIOR TO POUR, IF NOT CORRECT, FIVE (5) FOOT TRANSITION AREA TO BE LEFT UNPOURED UNTIL SITUATION IS CORRECTED BY CONTRACTOR.

CURB AND GUTTER BUMP OUT

#502 10-10-12

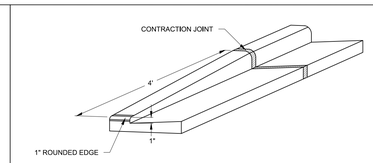


NOTES:

1. ALL DRIVEWAY APPROACHES SHALL BE CONNECTED TO THE EXISTING CONCRETE ROAD BASE WITH TIE BARS

DRIVEWAY CURB TRANSITION

#503 2/2007

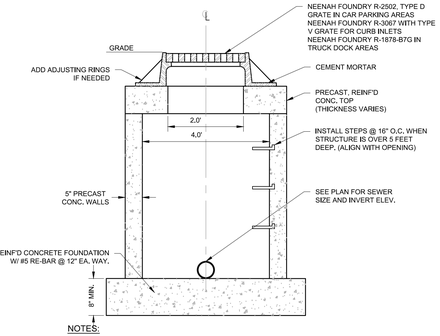


NOTES:

1. CONTRACTION JOINTS SHALL BE PLACED EVERY 10 FEET
2. EXPANSION JOINTS (3/4" EXPANSION FIBER MATERIAL) SHALL BE PLACED EVERY 300 FEET AND AT EVERY PC/PT AND 3 FEET FROM STRUCTURES

TAPER CURB HEAD

#522 10-11-12

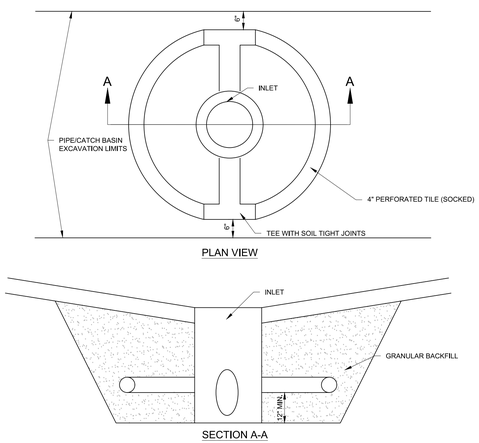


NOTES:

1. EASY STICK, RUBBER GASKET OR APPROVED EQUIVALENT SHALL BE PLACED AT ALL JOINTS BETWEEN ADJUSTING RINGS FOR STORM INLETS.
2. THE FLAT TOP MAY BE USED IN LIEU OF THE TAPERED TOP WHEN FIELD CONDITIONS PROHIBIT USE OF A TAPERED TOP.
3. STRUCTURE TO BE 4.0' DIA, OR AS INDICATED ON THE PLANS.

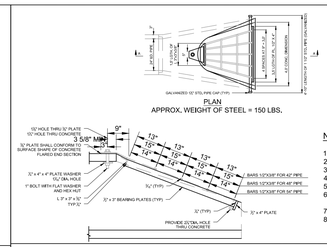
INLET

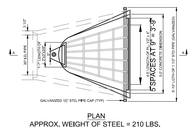
#522 10-04-12

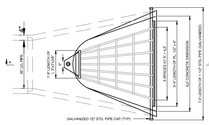


INLET- UNDERDRAIN

DETAIL NUMBER AND REVISION DATE





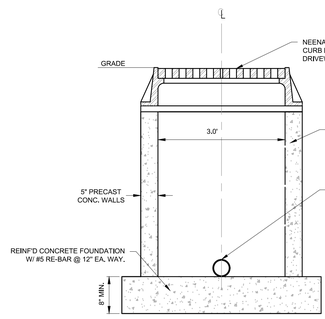


NOTES:

1. GRATING DETAILS SHOWN ARE INTENDED FOR USE WITH PARTICULAR SIZES OF PRECAST REINFORCED CONCRETE FLARED END SECTION AS SHOWN ON IDOT STANDARDS.
2. STRUCTURAL STEEL SHAPES AND PLATES SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
3. GALVANIZED STEEL PIPE SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
4. BOLTS, NUTS AND WASHERS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
5. ALL FABRICATION SHALL BE COMPLETED AND READY FOR ASSEMBLY BEFORE GALVANIZING.
6. THE CORED HOLES IN THE THE PRECAST CONCRETE FLARED END SECTIONS SHALL BE TO THE DIAMETERS NOTED. IF CONE-OUT ON THE OTHER END OF THE HOLE OCCURS, THE HOLE SHALL BE FILLED WITH GROUT TO CORRECT DIAMETER OF THE HOLE.
7. APPROXIMATE WEIGHT OF STEEL SHOWN INCLUDES TOTAL WEIGHT OF GRATING, BOLTS, WASHERS, NUTS, AND STEEL PIPE.
8. THE CONTRACT UNIT PRICE "EACH" FOR GRATING FOR CONCRETE FLARED END SECTION OF THE SIZE INDICATED SHALL INCLUDED FABRICATION AND INSTALLATION OF THE GRATING AS DETAILED HEREON, INCLUDING FABRICATION OF THE NECESSARY MOUNTING HOLES IN THE FLARED END SECTION. THIS PRICE DOES NOT INCLUDE THE COST OF THE PRECAST CONCRETE FLARED END SECTION.

FLARED END SECTION GRATES

#313 03/2012

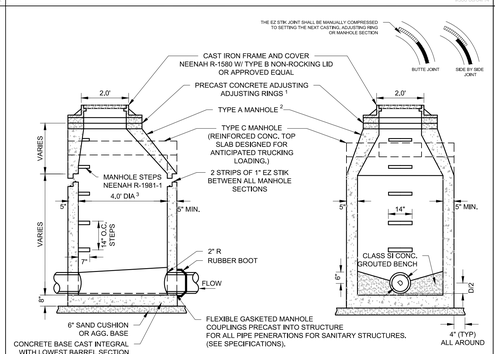


NOTES:

1. EASY STICK, RUBBER GASKET OR APPROVED EQUIVALENT SHALL BE PLACED AT ALL JOINTS BETWEEN ADJUSTING RINGS FOR STORM INLETS.
2. THE FLAT TOP MAY BE USED IN LIEU OF THE TAPERED TOP WHEN FIELD CONDITIONS PROHIBIT USE OF A TAPERED TOP.

2' x 3' INLET

#520 09/04/13

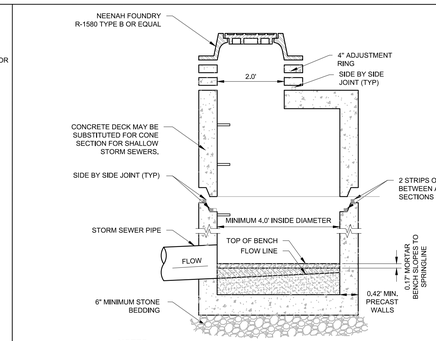


NOTES:

1. 1" EZ STIKE BETWEEN ALL ADJUSTMENT RINGS, BETWEEN TOP ADJUSTMENT RINGS AND FRAME, USE INTERNAL ADAPTOR SEAL RING. ALL JOINTS MUST BE BACKPLASTERED INSIDE AND OUT.
2. THE FLAT TOP MAYBE USED IN LIEU OF THE TAPERED TOP WHEN FIELD CONDITIONS PROHIBIT THE USE OF A TAPERED TOP.
3. STRUCTURE TO BE 4'-0" DIA UNLESS OTHERWISE INDICATED ON THE PLANS.

SANITARY MANHOLE

#320 10-10-12

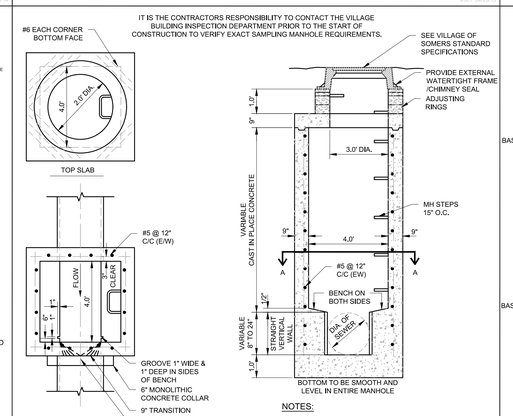


NOTES:

1. CLEAN UNDERSIDE OF ADJUSTING RING OR CAST IRON FRAME AND SET IN PLACE.
2. TUCK POINT MORTAR INTO ANNULAR CRACK AND BACKPLASTERED INSIDE AND OUTSIDE OF ALL JOINTS.
3. THE FLAT TOP MAY BE USED IN LIEU OF THE TAPERED TOP WHEN FIELD CONDITIONS PROHIBIT THE USE OF A FLAT TAPERED TOP.
4. MANHOLE CONSTRUCTION TO MEET REQUIREMENTS OF ASTM C478.
5. ECCENTRIC CONE SECTION OF MANHOLE TO BE SET OUTSIDE OF VEHICULAR WHEEL PATH NEAR ℄ OF ROADWAY.

STORM SEWER MANHOLE

#321 04/2013

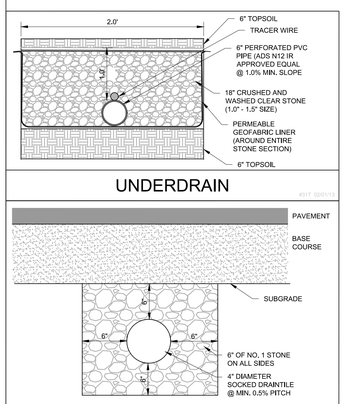


NOTES:

1. 4'-0" I.D. PRECAST MAY BE SUBSTITUTED FOR SAMPLING M.H.'S ON BUILDING LATERAL
2. 4'-0" I.D. MONOLITHIC MAY BE SUBSTITUTED FOR GAUGING M.H.'S ON MUNICIPAL SEWERS

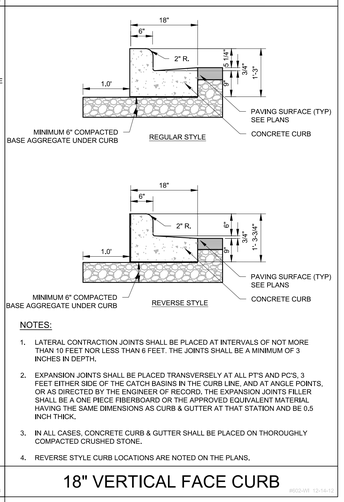
SAMPLING AND GAUGING MANHOLE

#323 01/2013



UNDERDRAIN

#317 02/2013



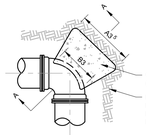
NOTES:

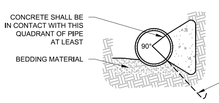
1. LATERAL CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 10 FEET NOR LESS THAN 6 FEET. THE JOINTS SHALL BE A MINIMUM OF 3 INCHES IN DEPTH.
2. EXPANSION JOINTS SHALL BE PLACED TRANSVERSELY AT ALL PT'S AND PC'S. 3 FEET EITHER SIDE OF THE CATCH BASINS IN THE CURB LINE, AND AT ANGLE POINTS, OR AS DIRECTED BY THE ENGINEER OF RECORD. THE EXPANSION JOINTS FILLER SHALL BE A ONE PIECE FIBERBOARD OR THE APPROVED EQUIVALENT MATERIAL, HAVING THE SAME DIMENSIONS AS CURB & GUTTER AT THAT STATION AND BE 0.5 INCH THICK.
3. IN ALL CASES, CONCRETE CURB & GUTTER SHALL BE PLACED ON THOROUGHLY COMPACTED CRUSHED STONE.
4. REVERSE STYLE CURB LOCATIONS ARE NOTED ON THE PLANS.

18" VERTICAL FACE CURB

#502 NR 12-04-12







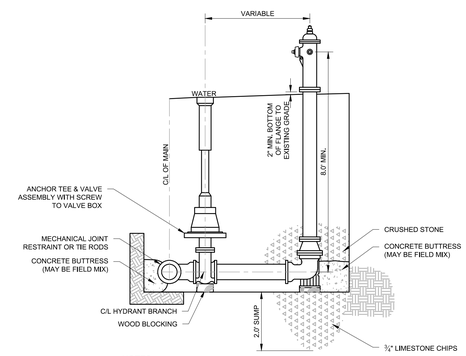
PIPE	22 1/2° BENDS		45° BENDS		90° BENDS	
SIZE	A1	B1	A2	B2	A3	B3
6"	1'-3"	1'-0"	1'-3"	1'-3"	1'-4"	1'-2"
8"	1'-0"	1'-0"	1'-4"	1'-2"	1'-10"	1'-6"
12"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"	2'-3"
16"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"
20"	2'-4"	2'-0"	3'-3"	2'-10"	5'-0"	3'-4"
24"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	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 11½° 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

#502 10-10-12



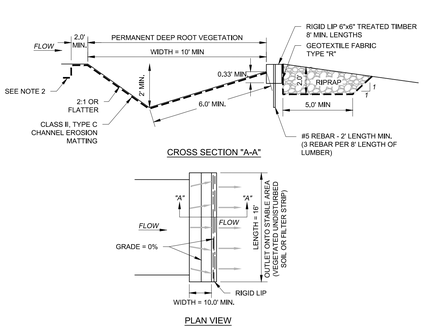
NOTES:

1. MEGALUG RESTRAINING GLANDS ON ALL MECHANICAL JOINTS. THE BOLTS & NUTS ARE TO BE HIGH STRENGTH LOW ALLOY STEEL (CORTEN) AS PER SECTION 11,6,5 OF A,W,W,A. C-111,
2. THE FOLLOWING HYDRANTS SHALL BE ALLOWED:

   MUELLER A-423 WITH A 5 1/4-INCH VALVE OPENING, O-RING SEALED, TWO 2 1/2-INCH HOSE NOZZLES AND ONE 5-INCH STORZ QUICK CONNECTION STEAMER NOZZLE.

FIRE HYDRANT

#501 10-10-12

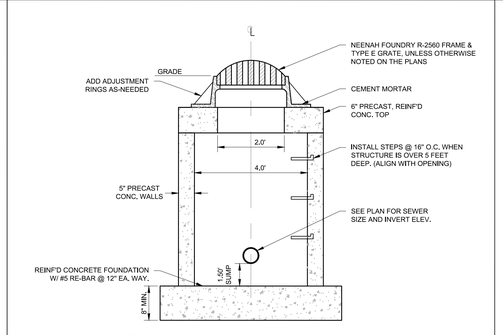


NOTES:

1. LEVEL SPREADER SHALL BE CONSTRUCTED UPON FINAL STABILIZATION OF CONSTRIBUTING AREAS.
2. EROSION MATTING SHALL BE ANCHORED BY SPREADING AT LEAST 8" OF FABRIC IN A 4" WIDE AND 6" DEEP TRENCH & IN ACCORDANCE WITH MANUFACTURER GUIDELINES. TRENCHES SHALL NOT BE EXCAVATED WIDER OR DEEPER THAN NECESSARY FOR PROPER INSTALLATION.
3. ENDS OF SPREADER SHALL BE TIED INTO HIGHER GROUND (2' MIN) TO PREVENT FLOW AROUND THE LEVEL SPREADER.
4. OWNER OR CONTRACTOR MUST CONSULT LANDSCAPE ARCHITECT OR ECOLOGICAL PLANNING AGENCY FOR APPROPRIATE PLANTS AND PLANTING CONFIGURATIONS.

LEVEL SPREADER

#129 12/09/13



NOTES:

1. EASY STICK, RUBBER GASKET OR APPROVED EQUIVALENT SHALL BE PLACED AT ALL JOINTS BETWEEN ADJUSTING RINGS FOR STORM CATCH BASINS.
2. THE FLAT TOP MAY BE USED IN LIEU OF THE TAPERED TOP WHEN FIELD CONDITIONS PROHIBIT USE OF A TAPERED TOP.
3. STRUCTURE TO BE 4.0' DIA, OR AS INDICATED ON THE PLANS.

FIELD INLET

#323 01-05-22

M+H ARCHITECTS

ARCHITECT:
Mitchell and Hugeback Architects, Inc.
D.B.A. M+H Architects
12747 Olive Blvd., Suite 150
St. Louis, MO 63141
314-878-3500
www.mha.us.com

CIVIL ENGINEER:
PINNACLE ENGINEERING GROUP
WISCONSIN OFFICE:
20725 WATERTOWN ROAD, SUITE 100
BROOKFIELD, WI 53186
(262) 754-8888
PEG JOB#: 1550.00A

PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

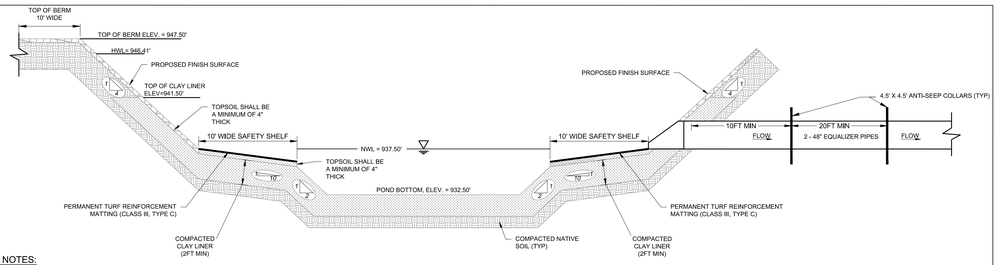
PIP SUBMISSION
01-19-2022
PROGRESS PRINT
NOT FOR CONSTRUCTION

REVISION:

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Job Number:	21054.00
Drawn By:	MRG
Checked By:	TGM
Drawing Title:	

CONSTRUCTION DETAILS

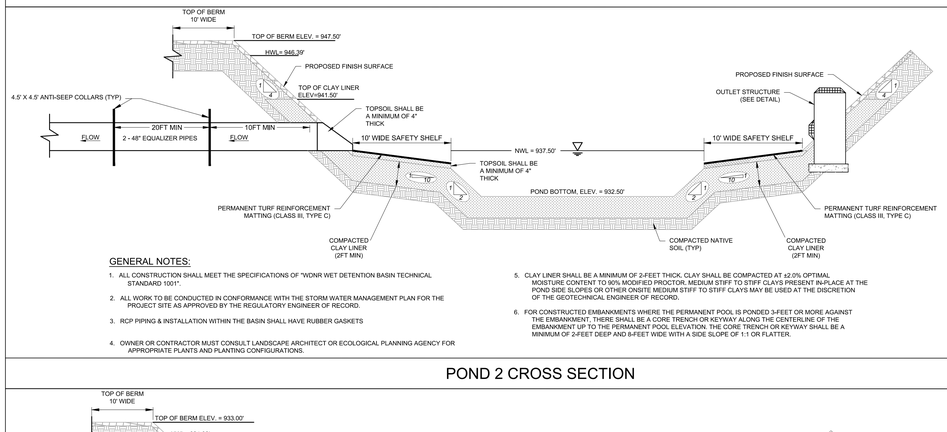
C8.01



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 HAVE 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 ONSITE 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.

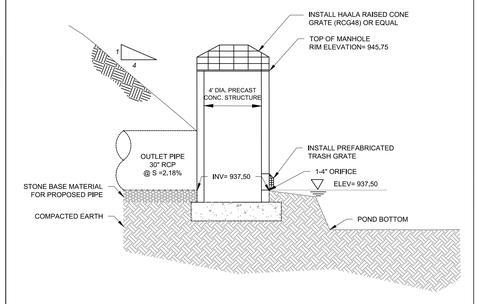
POND 1 CROSS SECTION



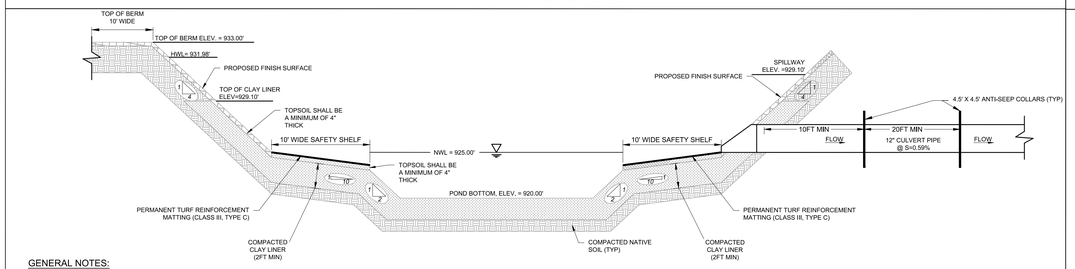
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POND 2 CROSS SECTION



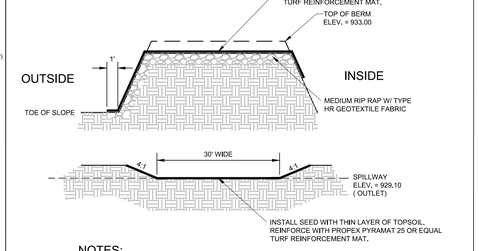
POND 2 OUTLET STRUCTURE



GENERAL NOTES:

1. ALL CONSTRUCTION SHALL MEET THE SPECIFICATIONS OF "WDNR WET DETENTION BASIN TECHNICAL STANDARD 1001".
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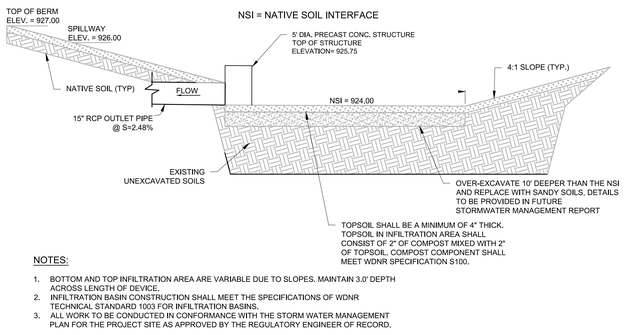
POND 3 CROSS SECTION



NOTES:

1. TURF REINFORCEMENT MAT MUST COVER ENTIRE BOTTOM OF CHUTE AND EXTEND TO THE TOP OF BERM AND EXTEND DOWN THE OUTSIDE FACE OF THE BERM.

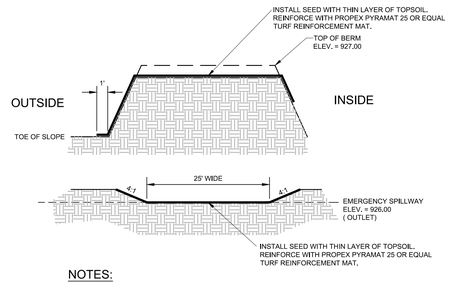
POND 3 SPILLWAY DETAIL



NOTES:

1. BOTTOM AND TOP INFILTRATION AREA ARE VARIABLE DUE TO SLOPES. MAINTAIN 3.0' DEPTH ACROSS LENGTH OF DEVICE.
2. INFILTRATION BASIN CONSTRUCTION SHALL MEET THE SPECIFICATIONS OF WDNR TECHNICAL STANDARD 1003 FOR INFILTRATION BASINS.
3. 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.

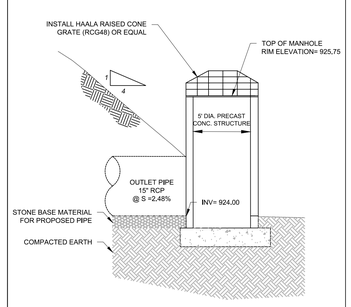
INFILTRATION BASIN



NOTES:

1. TURF REINFORCEMENT MAT MUST COVER ENTIRE BOTTOM OF CHUTE AND EXTEND TO THE TOP OF BERM AND EXTEND DOWN THE OUTSIDE FACE OF THE BERM.

INFILTRATION BASIN SPILLWAY DETAIL



INFILTRATION BASIN OUTLET STRUCTURE

M+H ARCHITECTS

ARCHITECT:
Mitchell and Hugeback Architects, Inc.
D.B.A. M+H Architects
12747 Olive Blvd., Suite 150
St. Louis, MO 63141
314-878-3500
www.mha.us.com

CIVIL ENGINEER:
PINNACLE ENGINEERING GROUP
WISCONSIN OFFICE:
20725 WATERTOWN ROAD, SUITE 100
BROOKFIELD, WI 53186
(262) 754-8888
PEG JOB#: 1550.00A

PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

PIP SUBMISSION
01-19-2022
PROGRESS PRINT
NOT FOR
CONSTRUCTION

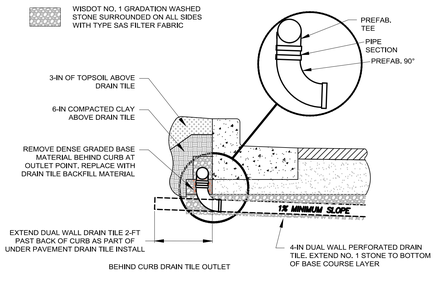
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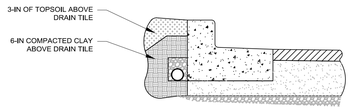
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Job Number:	21054.00
Drawn By:	MRG
Checked By:	TGM

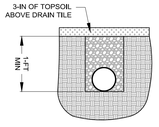
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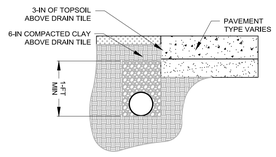
CONSTRUCTION DETAILS

C8.02







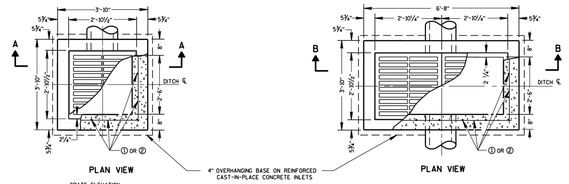


DRAIN TILE GENERAL SPECIFICATIONS

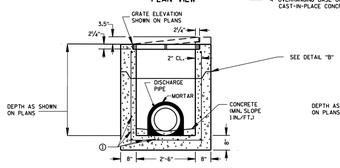
1. THE DRAIN TILE CONDUIT AND FITTINGS SHALL MEET STRENGTH AND DURABILITY REQUIREMENTS FOR THE SITE, ALL AASHTO M252, M294 OR M336 TYPE CP, SP OR SCP AS APPROPRIATE FOR THE DIAMETER REQUIRED. UNLESS OTHERWISE PUBLISHED BY THE AMERICAN SOCIETY FOR TESTING AND MATERIALS, CORRUGATED HIGH DENSITY POLYETHYLENE (HDPE) CONDUIT AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM M252. CONDUIT TYPE (SINGLE WALL OR DUAL WALL) SHALL BE INSTALLED PER THE LOCATIONS SHOWN IN THE PLANS. CONTRACTOR MAY SUBSTITUTE DUAL WALL CONDUIT AT LOCATIONS SPECIFIED FOR SINGLE WALL CONDUIT AT THE SOLE EXPENSE OF THE CONTRACTOR.
   - SINGLE WALL CONDUIT SHALL BE TYPE SP WITH CLASS A PERFORATION PATTERN.
   - DUAL WALL CONDUIT SHALL BE TYPE SP WITH A SMOOTH INTERIOR THAT CARRIES A MINIMUM MANNING'S 'N' VALUE OF 0.12 WITH CLASS A PERFORATION PATTERN.
2. ALL DRAIN TILE CONSTRUCTION MUST BE PROVIDED WITH TRACER WIRE OR OTHER APPROVED METHODS IN ORDER TO BE LOCATED IN ACCORD WITH 182.0175(1)(BR) OF THE STATUTES. CONTRACTOR SHALL PROVIDE THE ENGINEER NOTICE OF LOCATION METHOD PRIOR TO THE START OF CONSTRUCTION.
3. A MAXIMUM TRENCH WIDTH OF 24" SHALL BE MAINTAINED FOR ALL DRAIN TILE INSTALLATION WITH THE EXCEPTION OF CONNECTION POINTS TO THE EXISTING STORM SEWER SYSTEM IN WHICH CASE THE CONTRACTOR SHALL LIMIT DISTURBANCE AS POSSIBLE.
4. THE MINIMUM DEPTH OF COVER (FINISH GRADE TO TOP PIPE) SHALL BE:
   - CONCRETE PAVED AREAS – 2.0-FT
   - ASPHALT PAVED AREAS – 2.5-FT
   - BEHIND CURB – 3.5-FT
   - OTHER LANDSCAPED/GRASS/PERVIOUS AREAS – 2.0-FT
5. CONNECTION TO THE EXISTING STORM SEWER SYSTEM SHALL ACHIEVED BY CORING THE EXISTING REINFORCED CONCRETE STORM SEWER STRUCTURES OR PIPING TO THE DIAMETER NECESSARY TO ACCOMMODATE A PERMANENT WATERTIGHT CONNECTION. CONNECTIONS TO EXISTING REINFORCED CONCRETE STORM SEWER SHALL BE ACHIEVED BY THE USE OF KOR-N-SEAL CONNECTORS, OR EQUAL.
6. FOR TRENCH INSTALLATIONS OF CORRUGATED PLASTIC CONDUIT (OTHER THAN BEHIND CURB LOCATIONS), THE FOLLOWING BEDDING METHODS ARE REQUIRED:
   - A STONE BEDDING LAYER, AT LEAST 3 IN. THICK, USING A CLEAR STONE SHALL BE INSTALLED TO PROVIDE CONDUIT SUPPORT.
   - COMPACT BEDDING MATERIAL BESIDE AND TO THE UPPER (TOP) LIMITS OF BASE COURSE IN PAVED AREAS OR TOP OF CLAY (BOTTOM OF TOPSOIL LAYER) ABOVE THE CONDUIT...
7. ANY HARD OBJECTS LARGER THAN 1.5 IN. IN DIAMETER EXPOSED WITHIN THE TRENCH BOTTOM OR WALLS SHALL BE REMOVED TO PREVENT UNDUE STRESSES ON THE CONDUIT AND FITTINGS.
8. PRE MANUFACTURED FITTINGS (SUCH AS: WYES, TEES, BENDS, CAPS, ETC.) OF THE SAME MATERIAL AS THE CONDUIT SHALL BE USED AT ALL CONNECTIONS AND DEFLECTIONS GREATER THAN 22.5 DEGREES.
9. IF NOT CONNECTED TO A STRUCTURE, THE UPPER END OF EACH SUBSURFACE DRAIN TILE SHALL BE CAPPED WITH A TIGHT-FITTING EXTERNAL CAP OF THE SAME MATERIAL AS THE CONDUIT.
10. AT ALL TIMES THE DRAIN TILE SYSTEM SHALL BE KEPT CLEAN AND PROTECTED AGAINST UNDERMINING OF THE CAPACITY OF THE CONDUIT AND DAMAGE DURING CONSTRUCTION. TYPICAL CAPACITY UNDERMINING INCLUDES ENTRY OF CONSTRUCTION MATERIALS, TRASH, AND RODENTS INTO THE CONDUIT.

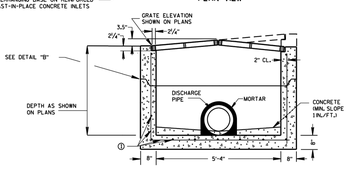
DRAINTILE

SDD 8C8 Inlets Median 1 and 2 Grate



4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS





GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, IG-W5", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

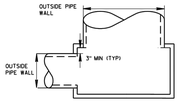
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE, SEE DETAIL "A", ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

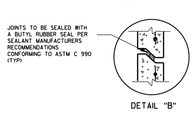
① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

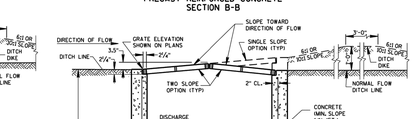
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42







INLETS MEDIAN 1 AND 2 GRATE

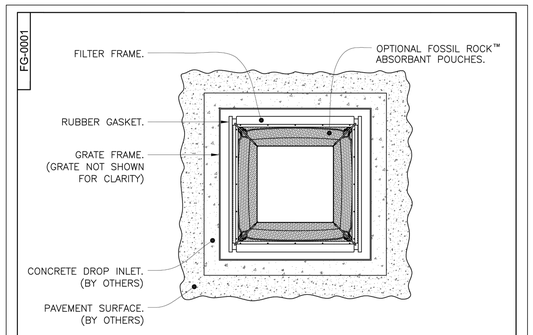
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

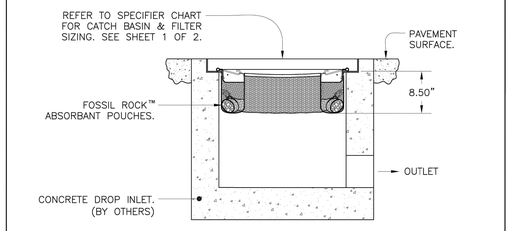
APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

S.D.D. 8C8-2

S.D.D. 8C8-2

FG-0001





SECTION VIEW

FloGard®
Catch Basin Insert Filter
Grated Inlet Style

Inlet Filtration

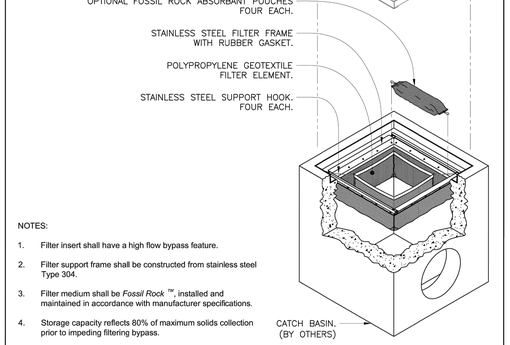
Oldcastle® Stormwater Solutions
7921 Southpark Plaza, Suite 200 | Littleton, CO | 80120 | Ph: 800.579.8819 | oldcastlestormwater.com

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DRAWING NO.	REV	ECO	DATE	SHEET
FG-0001	E	ECO-0142 JPR 7/13/16	JPR 12/18/06	SHEET 2 OF 2

FG-0001

SPECIFIER CHART			
MODEL	INLET ID	GRATE OD	COMMENTS
FF-12D	12" X 12"	16" X 16"	GRATED INLET
FF-16D	16" X 16"	18" X 18"	GRATED INLET
FF-18D	18" X 18"	20" X 20"	GRATED INLET
FF-1836SD	18" X 36"	18" X 40"	GRATED INLET
FF-1836DGO	18" X 36"	18" X 40"	COMBINATION INLET
FF-24D	24" X 24"	26" X 26"	GRATED INLET
FF-2436SD	24" X 36"	24" X 40"	GRATED INLET
FF-24DGO	24" X 24"	18" X 26"	COMBINATION INLET
FF-2436DGO	24" X 36"	24" X 40"	COMBINATION INLET
FF-36D (2 PIECE)	36" X 36"	36" X 40"	GRATED INLET
FF-3648D (2 PIECE)	36" X 48"	40" X 48"	GRATED INLET



NOTES:

1. Filter insert shall have a high flow bypass feature.
2. Filter support frame shall be constructed from stainless steel Type 304.
3. Filter medium shall be *Fossil Rock* ™, installed and maintained in accordance with manufacturer specifications.
4. Storage capacity reflects 80% of maximum solids collection prior to impeding filtering bypass.

FloGard®
Catch Basin Insert Filter
Grated Inlet Style

Inlet Filtration

Oldcastle® Stormwater Solutions
7921 Southpark Plaza, Suite 200 | Littleton, CO | 80120 | Ph: 800.579.8819 | oldcastlestormwater.com

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DRAWING NO.	REV	ECO	DATE	SHEET
FG-0001	E	ECO-0142 JPR 7/13/16	JPR 12/18/06	SHEET 1 OF 2

ARCHITECT:
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WISCONSIN OFFICE:
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BROOKFIELD, WI 53186
(262) 754-8888
PEG JOB#: 1590.00A

PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

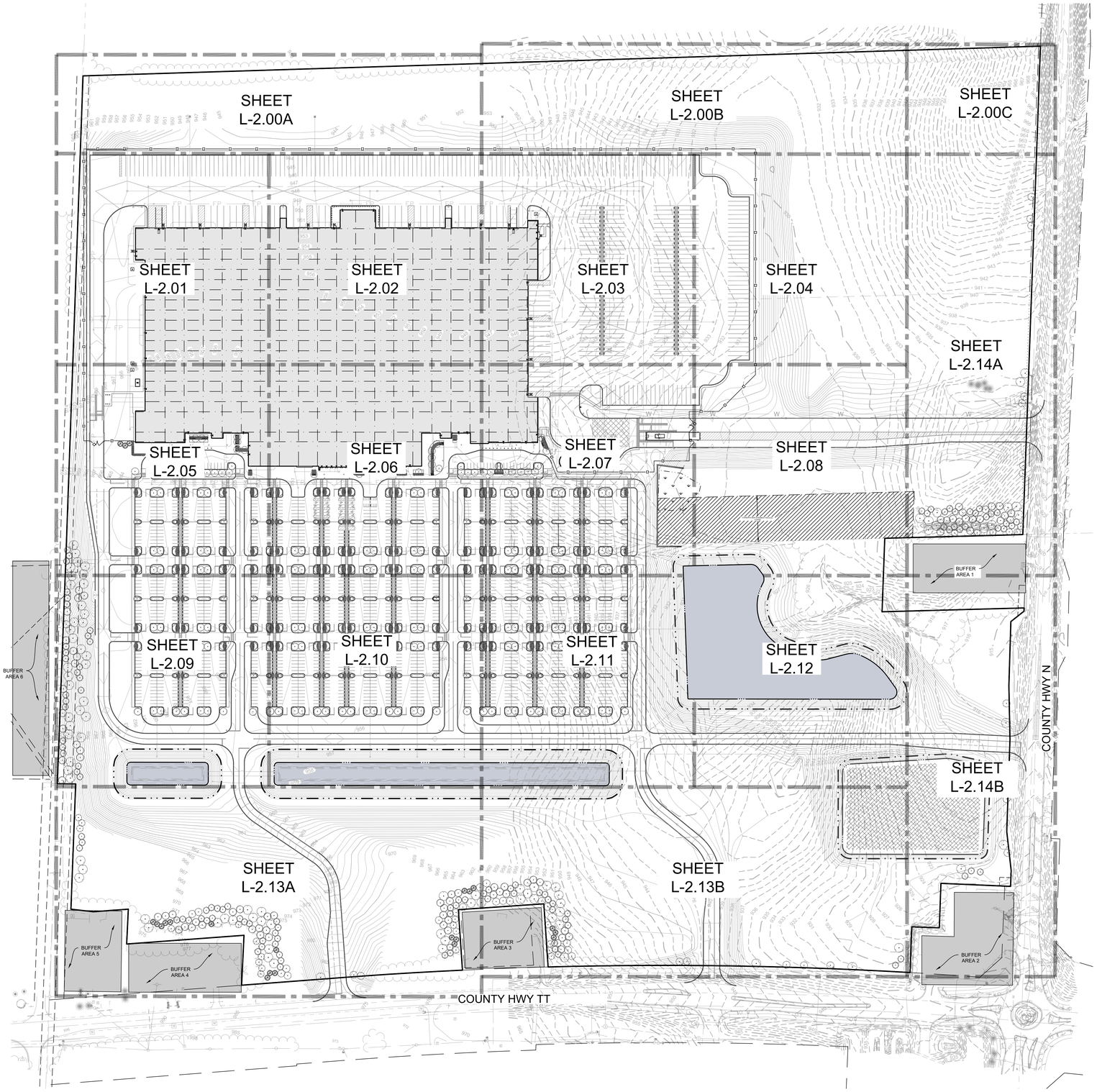
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REVISION:

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Job Number:	21054.00
Drawn By:	MRG
Checked By:	TGM
Drawing Title:	

CONSTRUCTION DETAILS

C8.03



PLANT SCHEDULE

TREES	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
87	CLIMAX TREE			
	Acer saccharum	Sugar Maple	2" Cal.	60` T x 45` W
	Carya ovata	Shagbark Hickory	2" Cal.	80` T x 40` W
	Ginkgo biloba	Maidenhair Tree	2" Cal.	65` T x 35` W
	Juglans nigra	Black Walnut	2" Cal.	60` T x 60` W
105	TALL EVERGREEN TREE			
	Abies concolor	White Fir	5` Ht.	40` T x 23` W
	Picea abies	Norway Spruce	5` Ht.	60` T x 28` W
	Pinus strobus	Eastern White Pine	5` Ht.	65` T x 30` W
211	TALL DECIDUOUS TREE			
	Acer freemanii `Autumn Fantasy`	Autumn Fantasy Maple	1.5" Cal.	45` T x 35` W
	Acer saccharum `Flax Mill Majesty`	Flax Mill Majesty Maple	1.5" Cal.	55` T x 45` W
	Celtis occidentalis `Prairie Pride`	Prairie Pride Hackberry	1.5" Cal.	50` T x 40` W
	Gleditsia triacanthos inermis `Shademaster`	Shademaster Locust	1.5" Cal.	60` T x 50` W
	Gymnocladus dioica	Kentucky Coffee Tree	1.5" Cal.	60` T x 45` W
	Quercus x schuetti	Swamp Bur Oak	1.5" Cal.	70` T x 65` W
	Salix x sepulcralis `Tristis`	Golden Weeping Willow	1.5" Cal.	40` T x 40` W
	Tilia tomentosa `Sterling`	Sterling Silver Linden	1.5" Cal.	60` T x 35` W
	Ulmus x `New Horizon`	New Horizon Elm	1.5" Cal.	50` T x 40` W
22	MEDIUM EVERGREEN TREE			
	Picea glauca `Densata`	Black Hills Spruce	4` Ht.	30` T x 15` W
	Thuja occidentalis `Techny`	Techny Arborvitae	4` Ht.	13` T x 8` W
161	MEDIUM DECIDUOUS TREE			
	Acer rubrum `Red Sunset`	Red Sunset Maple	1.5" Cal.	45` T x 35` W
	Aesculus x carnea `Briotii`	Briotii Red Horsechestnut	1.5" Cal.	30` T x 30` W
	Betula nigra `Heritage`	Heritage River Birch	1.5" Cal.	40` T x 40` W
	Corylus colurna	Turkish Filbert	1.5" Cal.	45` T x 20` W
	Maackia amurensis	Amur Maackia	1.5" Cal.	25` T x 25` W
	Tilia cordata `Greenspire`	Greenspire Littleleaf Linden	1.5" Cal.	45` T x 35` W
94	LOW DECIDUOUS TREE			
	Amelanchier x grandiflora `Autumn Brilliance`	Autumn Brilliance Serviceberry	1.25" Cal.	20` T x 20` W
	Cercis canadensis	Eastern Redbud	1.25" Cal.	25` T x 25` W
	Crataegus crus-galli inermis	Thornless Cockspur Hawthorn	1.25" Cal.	25` T x 25` W
	Ginkgo biloba 'Magyar'	Magya Ginkgo	1.25" Cal.	40` T x 30` W
	Malus x `Prairie Maid`	Prairie Maid Crabapple	1.25" Cal.	20` T x 25` W
	Malus x `Profusion`	Profusion Crabapple	1.25" Cal.	30` T x 25` W
	Malus x `Royal Raindrops`	Royal Raindrops Crabapple MS	1.25" Cal.	20` T x 15` W
	Malus x `Sugar Tyme`	Sugar Tyme Crabapple	1.25" Cal.	25` T x 25` W
	Malus x `Zumi`	Redbud Crab Apple	1.25" Cal.	20` T x 25` W
	Pyrus calleryana `Autumn Blaze`	Autumn Blaze Pear	1.25" Cal.	35` T x 25` W
	Syringa reticulata `Ivory Silk`	Ivory Silk Tree Lilac	1.25" Cal.	25` T x 15` W

SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
6	LOW EVERGREEN TREES			
	Juniperus chinensis `J.N. Select Blue`	Star Power Juniper	4` Ht.	16` T x 8` W
	Juniperus chinensis `Mountbatten`	Mountbatten Juniper	4` Ht.	15` T x 5` W
	Thuja occidentalis `BailJohn`	Technito Arborvitae	4` Ht.	12` T x 5` W
	Thuja occidentalis `Holmstrup`	Holmstrup Cedar	4` Ht.	14` T x 4` W
	Thuja occidentalis `Nigra`	Dark Green Arborvitae	4` Ht.	20` T x 8` W
221	MEDIUM EVERGREEN SHRUB			
	Juniperus chinensis `Old Gold`	Old Gold Juniper	3 gal.	3` T x 5` W
	Juniperus chinensis `Pfitzeriana Kallays`	Kallay Compact Juniper	3 gal.	3` T x 7` W
	Juniperus chinensis `Sea Green`	Sea Green Juniper	3 gal.	5` T x 5` W
	Juniperus virginiana `Grey Owl`	Eastern Redcedar Juniper	3 gal.	3` T x 5` W
	Picea abies `Pumila`	Pumila Spruce	3 gal.	3` T x 4` W
	Taxus x media `Densiformis`	Dense Yew	3 gal.	5` T x 6` W
	Taxus x media `Tauntonii`	Tauton Yew	3 gal.	4` T x 5` W
204	MEDIUM DECIDUOUS SHRUB			
	Aronia melanocarpa `Elata`	Glossy Black Chokeberry	3 gal.	5` T x 5` W
	Hydrangea p `Vanilla Strawberry`	Vanilla Strawberry Hydrangea	3 gal.	6` T x 5` W
	Hydrangea quercifolia 'Ruby Slippers'	Ruby Slippers Hydrangea	3 gal.	4`T x 5`W
	Ilex verticillata `Jim Dandy`	Jim Dandy Winterberry	3 gal.	5` T x 5` W
	Ilex verticillata `Red Sprite`	Red Sprite Winterberry	3 gal.	5` T x 5` W
	Physocarpus opulifolius 'Seward'	Summer Wine Ninebark	3 gal.	5`T x 5`W
	Rosa rugosa `Purple Pavement`	Purple Pavement Rugosa Rose	3 gal.	5` T x 5` W
	Sambucus nigra `Black Lace`	Black Lace Elderberry	3 gal.	6` T x 6` W
	Syringa meyeri `Palibin`	Dwarf Korean Lilac	3 gal.	5` T x 5` W
	Weigela florida 'Alexandra' TM	Wine & Roses Weigela	3 gal.	5`T x 5`W
26	SMALL EVERGREEN SHRUB			
	Juniperus procumbens `Nana`	Dwarf Japanese Juniper	1.5` Ht.	10" T x 4` W
	Picea abies `Pumila`	Pumila Spruce	3 gal.	3` T x 4` W
	Pinus mugo `Slowmound`	Slowmound Mugo Pine	3 gal.	3` T x 3` W
90	SMALL DECIDUOUS SHRUB			
	Cornus stolonifera `Arctic Fire`	Arctic Fire Dogwood	2 gal.	3` T x 3` W
	Diervilla lonicera `Kodiak Orange`	Kodiak Orange Diervilla	2 gal.	4` T x 4` W
	Rosa x `Radtko`	Double Knock Out Rose	2 gal.	4` T x 4` W
	Spiraea japonica `Anthony Waterer`	Anthony Waterer Spiraea	2 gal.	3` T x 4` W
154	LOW DECIDUOUS SHRUB			
	Hydrangea paniculata `Bobo`	Bobo Hydrangea	2 gal.	3` T x 4` W
	Itea virginica `Little Henry`	Little Henry Sweetspire	2 gal.	3` T x 3` W
	Spiraea japonica `Magic Carpet`	Magic Carpet Spirea	2 gal.	2` T x 3` W
78	LOW EVERGREEN SHRUBS			
	Juniperus horizontalis `Youngstown`	Andorra Juniper	3 gal.	10" T x 60" W
	Juniperus sabina `Buffalo`	Buffalo Juniper	3 gal.	1` T x 7` W
	Taxus x media `Everlow`	Everlow Yew	3 gal.	3` T x 5` W
539	ORNAMENTAL GRASS			
	Andropogon gerardii `Dancing Wind`	Dancing Wind Big Blue Stem	1 gal.	36" T x 30" W
	Calamagrostis x a `Karl Foerster`	Karl Foerster Reed Grass	1 gal.	36" T x 24" W
	Calamagrostis x a `Overdam`	Overdam Reed Grass	1 gal.	24" T x 24" W
	Miscanthus sinensis `Oktoberfest`	Oktoberfest Miscanthus	1 gal.	48" T x 36" W
	Panicum virgatum `Northwind`	Northwind Switch Grass	1 gal.	42" T x 26" W
	Schizachyrium scoparium `Blue Heaven`	Blue Heaven Little Bluestem Grass	1 gal.	30" T x 28" W
309	SMALL ORNAMENTAL GRASS			
	Deschampsia cespitosa	Tufted Hair Grass	1 gal.	24" T x 30" W
	Eragrostis spectabilis	Purple Love Grass	1 gal.	24" T x 18" W
	Hystrix patula	Bottlebrush Grass	1 gal.	20" T x 12" W
	Sporobolus heterolepis `Tara`	Prairie Dropseed	1 gal.	15" T x 20" W

SHRUB AREAS	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
4,393 sf	PERENNIALS	VARIETY	4.5 Cont.	VARIES

GROUND COVERS	BOTANICAL NAME	COMMON NAME
152,834 sf	Native Plantings	AGRECOL RAINWATER RENEWAL MIX
1,413,608 sf	Prairie	AGRECOL ECONOMY PRAIRIE MIX
425,817 sf	Turf Hydroseed	Reinders - Cadet 70/30 Fescue/Blue Mix
1,208,118 sf	Turf Hydroseed Low Grow	Reinders No Mow/Low Grow Mix

INFLITRATION BASIN

GROUND COVERS	BOTANICAL NAME	COMMON NAME	QTY
	BIO RETENTION PLUG MIX		82,710 sf
	Agastache foeniculum	Lavender Hyssop	1,404
	Asclepias incarnata	Swamp Milkweed	1,685
	Aster ericoides	Heath Aster	1,404
	Blephilia hirsuta	Hairy Wood Mint	1,404
	Bromus ciliatus	Fringed Brome Grass	843
	Carex comosa	Bristly Sedge	843
	Carex hystericina	Porcupine Sedge	843
	Carex vulpinoidea	Brown Fox Sedge	843
	Echinacea purpurea	Purple Coneflower	1,404
	Eupatorium perfoliatum	Boneset	1,404
	Glyceria canadensis	Rattlesnake Grass	843
	Iris virginica	Southern Blue Flag Iris	1,404
	Liatris spicata	Marsh Blazing Star	1,404
	Lobelia siphilitica	Great Blue Lobelia	1,404
	Monarda fistulosa	Bergamot	1,685
	Panicum virgatum	Switch Grass	843
	Pycnanthemum virginianum	Mountain Mint	1,404
	Rudbeckia hirta	Blackeyed Susan	1,404
	Rudbeckia subtomentosa	Sweet Blackeyed Susan	1,404
	Solidago ohioensis	Ohio Goldenrod	1,404
	Verbena hastata	Blue Vervain	1,404
	Zizia aptera	Heart-leaved Golden Alexanders	1,404

REFERENCE NOTES SCHEDULE

SYMBOL	32 EXTERIOR IMPROVEMENTS DESCRIPTION	QTY
32-01	Riverstone Maintenance Strip	3.24 cy

M+H ARCHITECTS

ARCHITECT:
Mitchell and Hugeback Architects, Inc.
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12747 Olive Blvd., Suite 150
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20725 WATERTOWN ROAD, SUITE 100
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(262) 754-8888
PEG JOB#: 1590.00A

PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

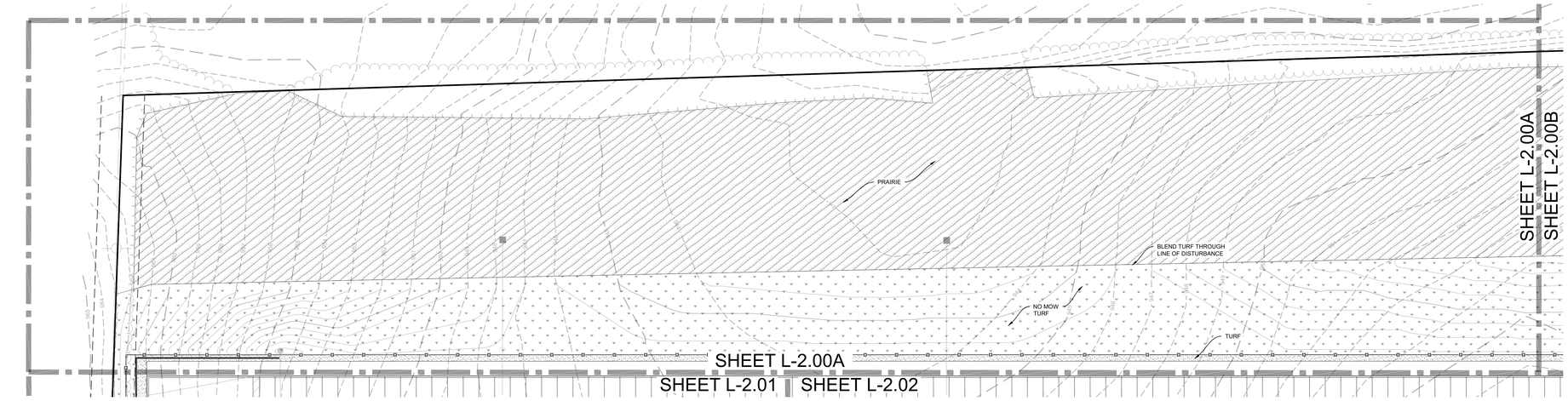
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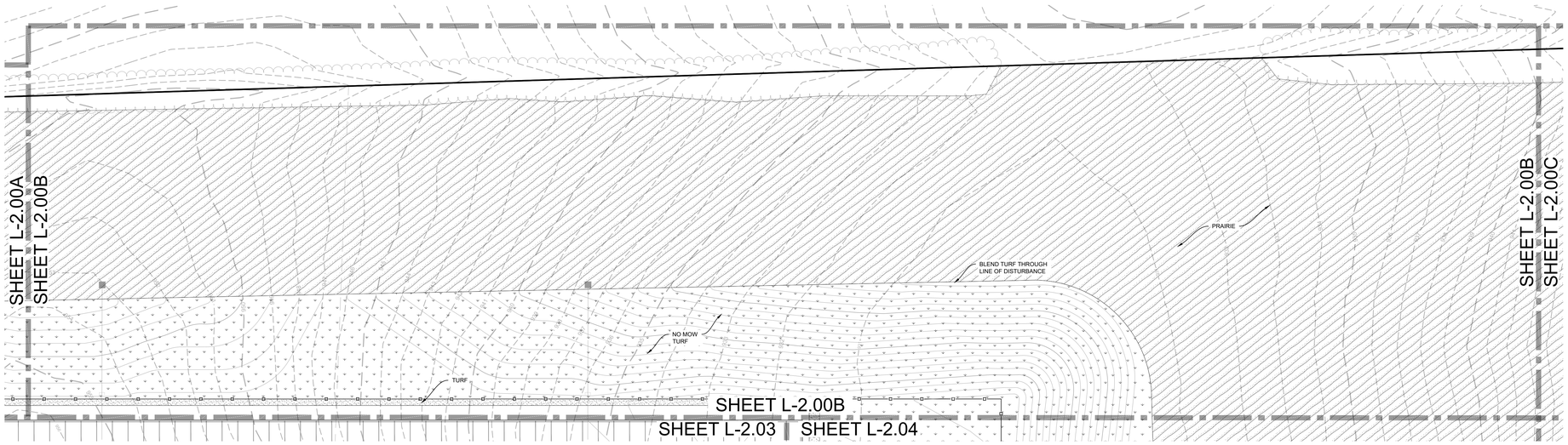
LANDSCAPE PLAN OVERVIEW

L1.00



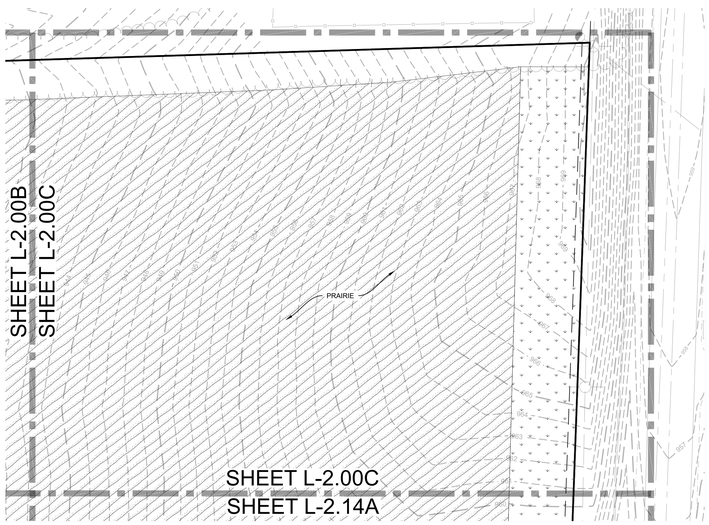
ENLARGEMENT L-2A

SCALE: 1"=40'



ENLARGEMENT L-2B

SCALE: 1"=40'



ENLARGEMENT L-2C

SCALE: 1"=40'

PLANT KEY

TREES	BOTANICAL NAME	COMMON NAME
	CLIMAX TREE	
	Acer saccharum	Sugar Maple
	Carya ovata	Shagbark Hickory
	Ginkgo biloba	Maidenhair Tree
	Juglans nigra	Black Walnut
	TALL EVERGREEN TREE	
	Abies concolor	White Fir
	Picea abies	Norway Spruce
	Pinus strobus	Eastern White Pine
	TALL DECIDUOUS TREE	
	Acer freemanii `Autumn Fantasy`	Autumn Fantasy Maple
	Acer saccharum `Flax Mill Majesty`	Flax Mill Majesty Maple
	Celtis occidentalis `Prairie Pride`	Prairie Pride Hackberry
	Gleditsia triacanthos inermis `Shademaster`	Shademaster Locust
	Gymnocladus dioica	Kentucky Coffee Tree
	Quercus x schuetti	Swamp Bur Oak
	Salix x sepulcralis `Tristis`	Golden Weeping Willow
	Tilia tomentosa `Sterling`	Sterling Silver Linden
	Ulmus x `New Horizon`	New Horizon Elm
	MEDIUM EVERGREEN TREE	
	Picea glauca `Densata`	Black Hills Spruce
	Thuja occidentalis `Techny`	Techny Arborvitae
	MEDIUM DECIDUOUS TREE	
	Acer rubrum `Red Sunset`	Red Sunset Maple
	Aesculus x carnea `Briotii`	Briotii Red Horsechestnut
	Betula nigra `Heritage`	Heritage River Birch
	Corylus colurna	Turkish Filbert
	Maackia amurensis	Amur Maackia
	Tilia cordata `Greenspire`	Greenspire Littleleaf Linden
	LOW DECIDUOUS TREE	
	Amelanchier x grandiflora `Autumn Brilliance`	Autumn Brilliance Serviceberry
	Cercis canadensis	Eastern Redbud
	Crataegus crus-galli inermis	Thornless Cockspur Hawthorn
	Ginkgo biloba 'Magyar'	Magya Ginkgo
	Malus x `Prairie Maid`	Prairie Maid Crabapple
	Malus x `Profusion`	Profusion Crabapple
	Malus x `Royal Raindrops`	Royal Raindrops Crabapple MS
	Malus x `Sugar Tyme`	Sugar Tyme Crabapple
	Malus x `Zumi`	Redbud Crab Apple
	Pyrus calleryana `Autumn Blaze`	Autumn Blaze Pear
	Syringa reticulata `Ivory Silk`	Ivory Silk Tree Lilac

SHRUBS	BOTANICAL NAME	COMMON NAME
	LOW EVERGREEN TREES	
	Juniperus chinensis `J.N. Select Blue`	Star Power Juniper
	Juniperus chinensis `Mountbatten`	Mountbatten Juniper
	Thuja occidentalis `BailJohn`	Technito Arborvitae
	Thuja occidentalis `Holmstrup`	Holmstrup Cedar
	Thuja occidentalis `Nigra`	Dark Green Arborvitae
	MEDIUM EVERGREEN SHRUB	
	Juniperus chinensis `Old Gold`	Old Gold Juniper
	Juniperus chinensis `Pfitzeriana Kallays`	Kallay Compact Juniper
	Juniperus chinensis `Sea Green`	Sea Green Juniper
	Juniperus virginiana `Grey Owl`	Eastern Redcedar Juniper
	Picea abies `Pumila`	Pumila Spruce
	Taxus x media `Densiformis`	Dense Yew
	Taxus x media `Tauntonii`	Tauton Yew
	MEDIUM DECIDUOUS SHRUB	
	Aronia melanocarpa `Elata`	Glossy Black Chokeberry
	Hydrangea p `Vanilla Strawberry`	Vanilla Strawberry Hydrangea
	Hydrangea quercifolia 'Ruby Slippers'	Ruby Slippers Hydrangea
	Ilex verticillata `Jim Dandy`	Jim Dandy Winterberry
	Ilex verticillata `Red Sprite`	Red Sprite Winterberry
	Physocarpus opulifolius 'Seward'	Summer Wine Ninebark
	Rosa rugosa `Purple Pavement`	Purple Pavement Rugosa Rose
	Sambucus nigra `Black Lace`	Black Lace Elderberry
	Syringa meyeri `Palibin`	Dwarf Korean Lilac
	Weigela florida 'Alexandra' TM	Wine & Roses Weigela
	SMALL EVERGREEN SHRUB	
	Juniperus procumbens `Nana`	Dwarf Japanese Juniper
	Picea abies `Pumila`	Pumila Spruce
	Pinus mugo `Slowmound`	Slowmound Mugo Pine
	SMALL DECIDUOUS SHRUB	
	Cornus stolonifera `Arctic Fire`	Arctic Fire Dogwood
	Diervilla lonicera `Kodiak Orange`	Kodiak Orange Diervilla
	Rosa x `Radtko`	Double Knock Out Rose
	Spiraea japonica `Anthony Waterer`	Anthony Waterer Spiraea
	LOW DECIDUOUS SHRUB	
	Hydrangea paniculata `Bobo`	Bobo Hydrangea
	Itea virginica `Little Henry`	Little Henry Sweetspire
	Spiraea japonica `Magic Carpet`	Magic Carpet Spirea
	LOW EVERGREEN SHRUBS	
	Juniperus horizontalis `Youngstown`	Andorra Juniper
	Juniperus sabina `Buffalo`	Buffalo Juniper
	Taxus x media `Everlow`	Everlow Yew
	ORNAMENTAL GRASS	
	Andropogon gerardii `Dancing Wind`	Dancing Wind Big Blue Stem
	Calamagrostis x a `Karl Foerster`	Karl Foerster Reed Grass
	Calamagrostis x a `Overdam`	Overdam Reed Grass
	Miscanthus sinensis `Oktoberfest`	Oktoberfest Miscanthus
	Panicum virgatum `Northwind`	Northwind Switch Grass
	Schizachyrium scoparium `Blue Heaven`	Blue Heaven Little Bluestem Grass
	SMALL ORNAMENTAL GRASS	
	Deschampsia cespitosa	Tufted Hair Grass
	Eragrostis spectabilis	Purple Love Grass
	Hystrix patula	Bottlebrush Grass
	Sporobolus heterolepis `Tara`	Prairie Dropseed

SHRUB AREAS	BOTANICAL NAME	COMMON NAME
	PERENNIALS	

GROUND COVERS	BOTANICAL NAME	COMMON NAME
	BIO RETENTION PLUG MIX	VARIETY
	Native Plantings	AGRECOL RAINWATER RENEWAL MIX
	Prairie	AGRECOL ECONOMY PRAIRIE MIX
	Turf Hydroseed	Reinders - Cadet 70/30 Fescue/Blue Mix
	Turf Hydroseed Low Grow	Reinders No Mow/Low Grow Mix

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

M+H ARCHITECTS

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INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

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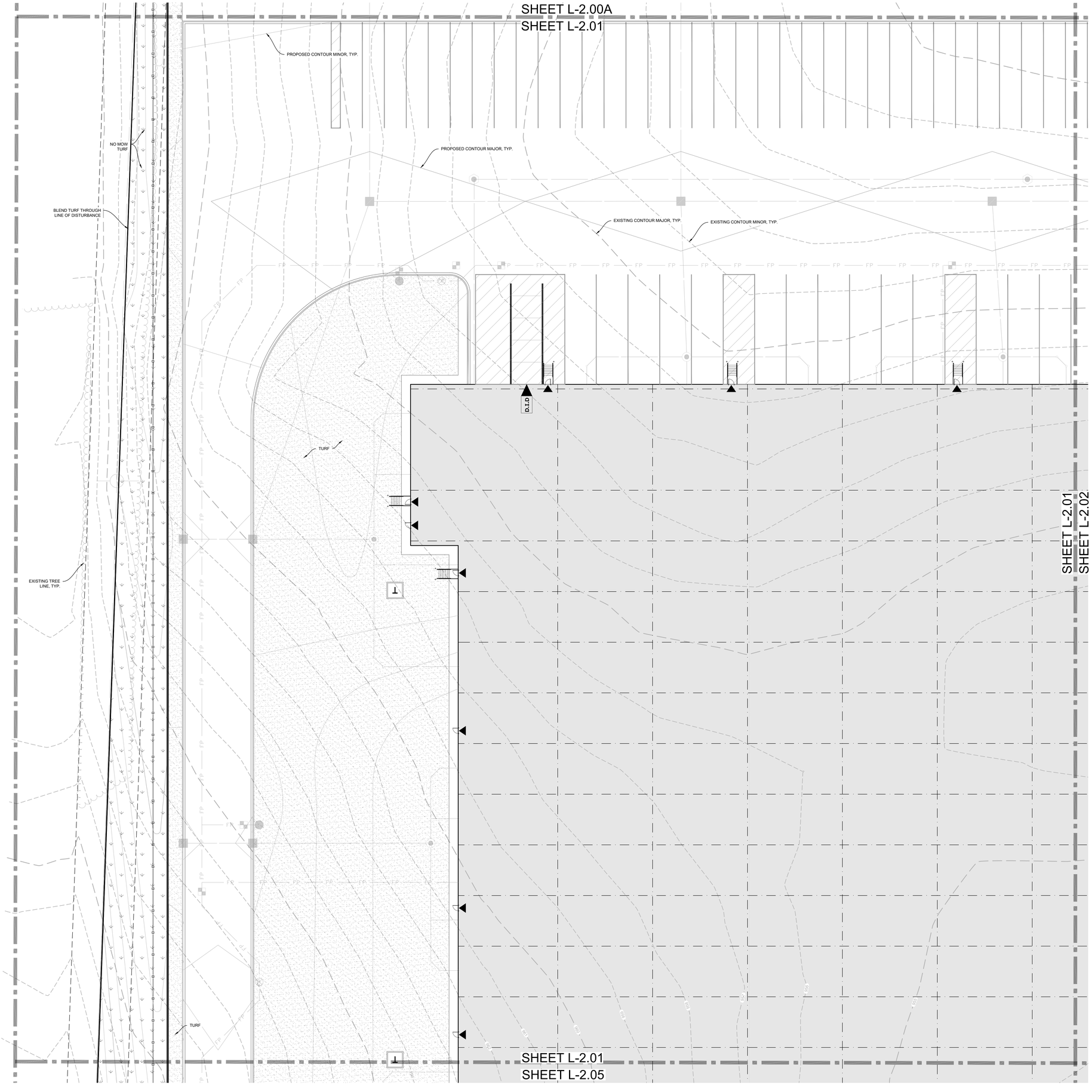
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LANDSCAPE PLAN ENLARGEMENT

L2.00



PLANT KEY

TREES

BOTANICAL NAME	COMMON NAME
CLIMAX TREE	
Acer saccharum	Sugar Maple
Carya ovata	Shagbark Hickory
Ginkgo biloba	Maidenhair Tree
Juglans nigra	Black Walnut
TALL EVERGREEN TREE	
Abies concolor	White Fir
Picea abies	Norway Spruce
Pinus strobus	Eastern White Pine
TALL DECIDUOUS TREE	
Acer freemanii `Autumn Fantasy`	Autumn Fantasy Maple
Acer saccharum `Flax Mill Majesty`	Flax Mill Majesty Maple
Celtis occidentalis `Prairie Pride`	Prairie Pride Hackberry
Gleditsia triacanthos inermis `Shademaster`	Shademaster Locust
Gymnocladus dioica	Kentucky Coffee Tree
Quercus x schuetti	Swamp Bur Oak
Salix x sepulcralis `Tristis`	Golden Weeping Willow
Tilia tomentosa `Sterling`	Sterling Silver Linden
Ulmus x `New Horizon`	New Horizon Elm
MEDIUM EVERGREEN TREE	
Picea glauca `Densata`	Black Hills Spruce
Thuja occidentalis `Techny`	Techny Arborvitae
MEDIUM DECIDUOUS TREE	
Acer rubrum `Red Sunset`	Red Sunset Maple
Aesculus x carnea `Briotii`	Briotii Red Horsechestnut
Betula nigra `Heritage`	Heritage River Birch
Corylus colurna	Turkish Filbert
Maackia amurensis	Amur Maackia
Tilia cordata `Greenspire`	Greenspire Littleleaf Linden
LOW DECIDUOUS TREE	
Amelanchier x grandiflora `Autumn Brilliance`	Autumn Brilliance Serviceberry
Cercis canadensis	Eastern Redbud
Crataegus crus-galli inermis	Thornless Cockspur Hawthorn
Ginkgo biloba 'Magyar'	Magya Ginkgo
Malus x `Prairie Maid`	Prairie Maid Crabapple
Malus x `Profusion`	Profusion Crabapple
Malus x `Royal Raindrops`	Royal Raindrops Crabapple MS
Malus x `Sugar Tyme`	Sugar Tyme Crabapple
Malus x `Zumi`	Redbud Crab Apple
Pyrus calleryana `Autumn Blaze`	Autumn Blaze Pear
Syringa reticulata `Ivory Silk`	Ivory Silk Tree Lilac

SHRUBS

BOTANICAL NAME	COMMON NAME
LOW EVERGREEN TREES	
Juniperus chinensis `J.N. Select Blue`	Star Power Juniper
Juniperus chinensis `Mountbatten`	Mountbatten Juniper
Thuja occidentalis `BailJohn`	Technito Arborvitae
Thuja occidentalis `Holmstrup`	Holmstrup Cedar
Thuja occidentalis `Nigra`	Dark Green Arborvitae
MEDIUM EVERGREEN SHRUB	
Juniperus chinensis `Old Gold`	Old Gold Juniper
Juniperus chinensis `Pfitzeriana Kallays`	Kallay Compact Juniper
Juniperus chinensis `Sea Green`	Sea Green Juniper
Juniperus virginiana `Grey Owl`	Eastern Redcedar Juniper
Picea abies `Pumila`	Pumila Spruce
Taxus x media `Densiformis`	Dense Yew
Taxus x media `Tauntonii`	Tauton Yew
MEDIUM DECIDUOUS SHRUB	
Aronia melanocarpa `Elata`	Glossy Black Chokeberry
Hydrangea p `Vanilla Strawberry`	Vanilla Strawberry Hydrangea
Hydrangea quercifolia 'Ruby Slippers'	Ruby Slippers Hydrangea
Ilex verticillata `Jim Dandy`	Jim Dandy Winterberry
Ilex verticillata `Red Sprite`	Red Sprite Winterberry
Physocarpus opulifolius 'Seward'	Summer Wine Ninebark
Rosa rugosa `Purple Pavement`	Purple Pavement Rugosa Rose
Sambucus nigra `Black Lace`	Black Lace Elderberry
Syringa meyeri `Palibin`	Dwarf Korean Lilac
Weigela florida 'Alexandra' TM	Wine & Roses Weigela
SMALL EVERGREEN SHRUB	
Juniperus procumbens `Nana`	Dwarf Japanese Juniper
Picea abies `Pumila`	Pumila Spruce
Pinus mugo `Slowmound`	Slowmound Mugo Pine
SMALL DECIDUOUS SHRUB	
Cornus stolonifera `Arctic Fire`	Arctic Fire Dogwood
Diervilla lonicera `Kodiak Orange`	Kodiak Orange Diervilla
Rosa x `Radtko`	Double Knock Out Rose
Spiraea japonica `Anthony Waterer`	Anthony Waterer Spiraea
LOW DECIDUOUS SHRUB	
Hydrangea paniculata `Bobo`	Bobo Hydrangea
Itea virginica `Little Henry`	Little Henry Sweetspire
Spiraea japonica `Magic Carpet`	Magic Carpet Spirea
LOW EVERGREEN SHRUBS	
Juniperus horizontalis `Youngstown`	Andorra Juniper
Juniperus sabina `Buffalo`	Buffalo Juniper
Taxus x media `Everlow`	Everlow Yew
ORNAMENTAL GRASS	
Andropogon gerardii `Dancing Wind`	Dancing Wind Big Blue Stem
Calamagrostis x a `Karl Foerster`	Karl Foerster Reed Grass
Calamagrostis x a `Overdam`	Overdam Reed Grass
Miscanthus sinensis `Oktoberfest`	Oktoberfest Miscanthus
Panicum virgatum `Northwind`	Northwind Switch Grass
Schizachyrium scoparium `Blue Heaven`	Blue Heaven Little Bluestem Grass
SMALL ORNAMENTAL GRASS	
Deschampsia cespitosa	Tufted Hair Grass
Eragrostis spectabilis	Purple Love Grass
Hystrix patula	Bottlebrush Grass
Sporobolus heterolepis `Tara`	Prairie Dropseed

SHRUB AREAS

BOTANICAL NAME	COMMON NAME
PERENNIALS	

GROUND COVERS

BOTANICAL NAME	COMMON NAME
BIO RETENTION PLUG MIX	VARIETY
Native Plantings	AGRECOL RAINWATER RENEWAL MIX
Prairie	AGRECOL ECONOMY PRAIRIE MIX
Turf Hydroseed	Reinders - Cadet 70/30 Fescue/Blue Mix
Turf Hydroseed Low Grow	Reinders No Mow/Low Grow Mix

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

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D.B.A. M+H Architects
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INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

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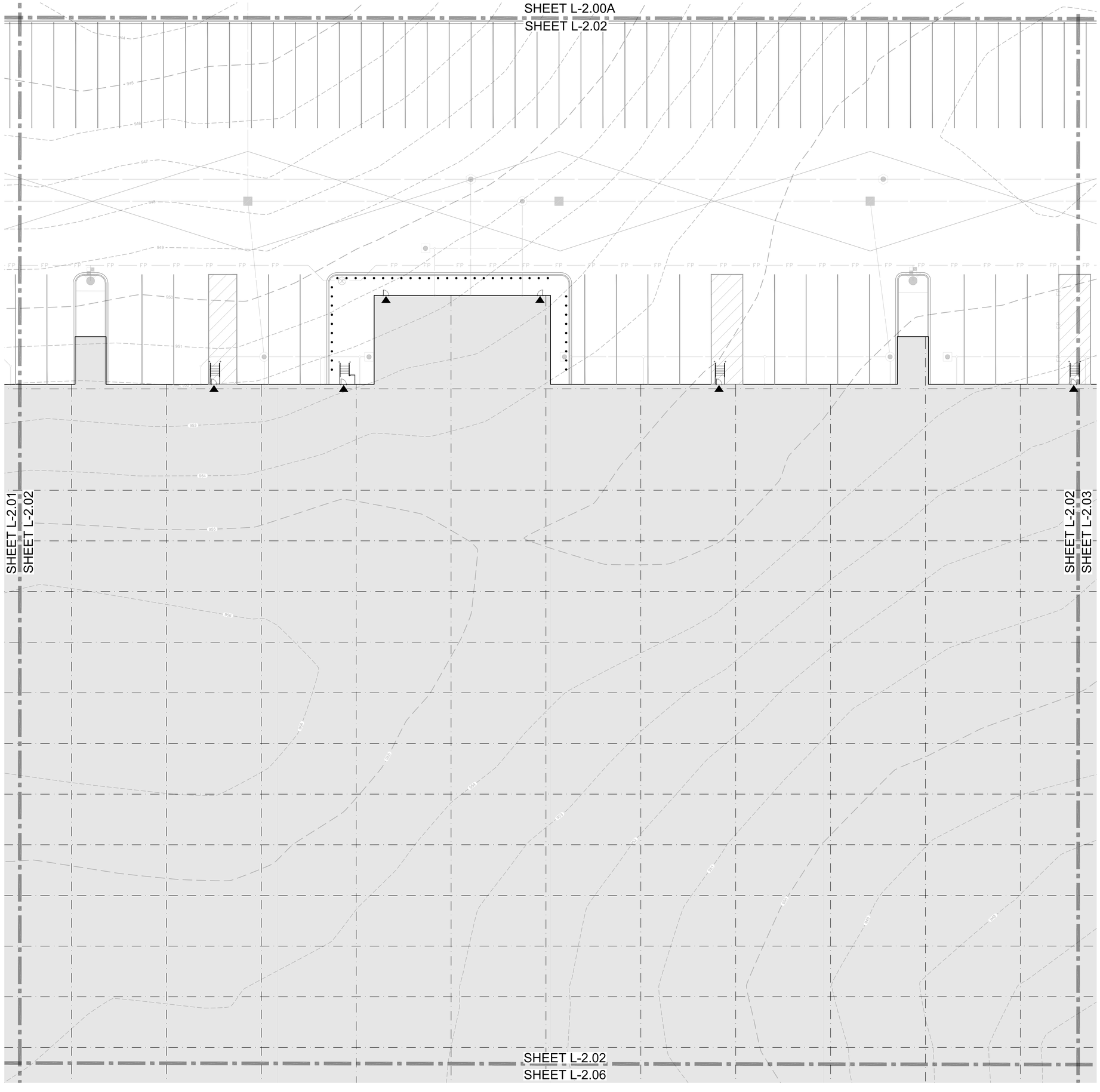
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LANDSCAPE PLAN ENLARGEMENT

L2.01



PLANT KEY

TREES	BOTANICAL NAME	COMMON NAME
	CLIMAX TREE	
	Acer saccharum	Sugar Maple
	Carya ovata	Shagbark Hickory
	Ginkgo biloba	Maidenhair Tree
	Juglans nigra	Black Walnut
	TALL EVERGREEN TREE	
	Abies concolor	White Fir
	Picea abies	Norway Spruce
	Pinus strobus	Eastern White Pine
	TALL DECIDUOUS TREE	
	Acer freemanii `Autumn Fantasy`	Autumn Fantasy Maple
	Acer saccharum `Flax Mill Majesty`	Flax Mill Majesty Maple
	Celtis occidentalis `Prairie Pride`	Prairie Pride Hackberry
	Gleditsia triacanthos inermis `Shademaster`	Shademaster Locust
	Gymnocladus dioica	Kentucky Coffee Tree
	Quercus x schuetti	Swamp Bur Oak
	Salix x sepulcralis `Tristis`	Golden Weeping Willow
	Tilia tomentosa `Sterling`	Sterling Silver Linden
	Ulmus x `New Horizon`	New Horizon Elm
	MEDIUM EVERGREEN TREE	
	Picea glauca `Densata`	Black Hills Spruce
	Thuja occidentalis `Techny`	Techny Arborvitae
	MEDIUM DECIDUOUS TREE	
	Acer rubrum `Red Sunset`	Red Sunset Maple
	Aesculus x carnea `Briotii`	Briotii Red Horsechestnut
	Betula nigra `Heritage`	Heritage River Birch
	Corylus colurna	Turkish Filbert
	Maackia amurensis	Amur Maackia
	Tilia cordata `Greenspire`	Greenspire Littleleaf Linden
	LOW DECIDUOUS TREE	
	Amelanchier x grandiflora `Autumn Brilliance`	Autumn Brilliance Serviceberry
	Cercis canadensis	Eastern Redbud
	Crataegus crus-galli inermis	Thornless Cockspur Hawthorn
	Ginkgo biloba 'Magyar'	Magya Ginkgo
	Malus x `Prairie Maid`	Prairie Maid Crabapple
	Malus x `Profusion`	Profusion Crabapple
	Malus x `Royal Raindrops`	Royal Raindrops Crabapple MS
	Malus x `Sugar Tyme`	Sugar Tyme Crabapple
	Malus x `Zumi`	Redbud Crab Apple
	Pyrus calleryana `Autumn Blaze`	Autumn Blaze Pear
	Syringa reticulata `Ivory Silk`	Ivory Silk Tree Lilac

SHRUBS	BOTANICAL NAME	COMMON NAME
	LOW EVERGREEN TREES	
	Juniperus chinensis `J.N. Select Blue`	Star Power Juniper
	Juniperus chinensis `Mountbatten`	Mountbatten Juniper
	Thuja occidentalis `BailJohn`	Technito Arborvitae
	Thuja occidentalis `Holmstrup`	Holmstrup Cedar
	Thuja occidentalis `Nigra`	Dark Green Arborvitae
	MEDIUM EVERGREEN SHRUB	
	Juniperus chinensis `Old Gold`	Old Gold Juniper
	Juniperus chinensis `Pfitzeriana Kallays`	Kallay Compact Juniper
	Juniperus chinensis `Sea Green`	Sea Green Juniper
	Juniperus virginiana `Grey Owl`	Eastern Redcedar Juniper
	Picea abies `Pumila`	Pumila Spruce
	Taxus x media `Densiformis`	Dense Yew
	Taxus x media `Tauntonii`	Tauton Yew
	MEDIUM DECIDUOUS SHRUB	
	Aronia melanocarpa `Elata`	Glossy Black Chokeberry
	Hydrangea p `Vanilla Strawberry`	Vanilla Strawberry Hydrangea
	Hydrangea quercifolia 'Ruby Slippers'	Ruby Slippers Hydrangea
	Ilex verticillata `Jim Dandy`	Jim Dandy Winterberry
	Ilex verticillata `Red Sprite`	Red Sprite Winterberry
	Physocarpus opulifolius 'Seward'	Summer Wine Ninebark
	Rosa rugosa `Purple Pavement`	Purple Pavement Rugosa Rose
	Sambucus nigra `Black Lace`	Black Lace Elderberry
	Syringa meyeri `Palibin`	Dwarf Korean Lilac
	Weigela florida 'Alexandra' TM	Wine & Roses Weigela
	SMALL EVERGREEN SHRUB	
	Juniperus procumbens `Nana`	Dwarf Japanese Juniper
	Picea abies `Pumila`	Pumila Spruce
	Pinus mugo `Slowmound`	Slowmound Mugo Pine
	SMALL DECIDUOUS SHRUB	
	Cornus stolonifera `Arctic Fire`	Arctic Fire Dogwood
	Diervilla lonicera `Kodiak Orange`	Kodiak Orange Diervilla
	Rosa x `Radtko`	Double Knock Out Rose
	Spiraea japonica `Anthony Waterer`	Anthony Waterer Spiraea
	LOW DECIDUOUS SHRUB	
	Hydrangea paniculata `Bobo`	Bobo Hydrangea
	Itea virginica `Little Henry`	Little Henry Sweetspire
	Spiraea japonica `Magic Carpet`	Magic Carpet Spirea
	LOW EVERGREEN SHRUBS	
	Juniperus horizontalis `Youngstown`	Andorra Juniper
	Juniperus sabina `Buffalo`	Buffalo Juniper
	Taxus x media `Everlow`	Everlow Yew
	ORNAMENTAL GRASS	
	Andropogon gerardii `Dancing Wind`	Dancing Wind Big Blue Stem
	Calamagrostis x a `Karl Foerster`	Karl Foerster Reed Grass
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	Panicum virgatum `Northwind`	Northwind Switch Grass
	Schizachyrium scoparium `Blue Heaven`	Blue Heaven Little Bluestem Grass
	SMALL ORNAMENTAL GRASS	
	Deschampsia cespitosa	Tufted Hair Grass
	Eragrostis spectabilis	Purple Love Grass
	Hystrix patula	Bottlebrush Grass
	Sporobolus heterolepis `Tara`	Prairie Dropseed

SHRUB AREAS	BOTANICAL NAME	COMMON NAME
	PERENNIALS	

GROUND COVERS	BOTANICAL NAME	COMMON NAME
	BIO RETENTION PLUG MIX	VARIETY
	Native Plantings	AGRECOL RAINWATER RENEWAL MIX
	Prairie	AGRECOL ECONOMY PRAIRIE MIX
	Turf Hydroseed	Reinders - Cadet 70/30 Fescue/Blue Mix
	Turf Hydroseed Low Grow	Reinders No Mow/Low Grow Mix

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

M+H ARCHITECTS

ARCHITECT:
Mitchell and Hugeback Architects, Inc.
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CIVIL ENGINEER:
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PEG JOB#: 1590.00A

PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

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REVISION:

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Checked By:	DJB

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LANDSCAPE PLAN
ENLARGEMENT

L2.02

SHEET L-2.00B
SHEET L-2.03

SHEET L-2.02
SHEET L-2.03

SHEET L-2.03
SHEET L-2.04

SHEET L-2.03
SHEET L-2.07

32-01

32-01

TURF

13
L3.00

PLANT KEY

TREES	BOTANICAL NAME	COMMON NAME
	CLIMAX TREE	
	Acer saccharum	Sugar Maple
	Carya ovata	Shagbark Hickory
	Ginkgo biloba	Maidenhair Tree
	Juglans nigra	Black Walnut
	TALL EVERGREEN TREE	
	Abies concolor	White Fir
	Picea abies	Norway Spruce
	Pinus strobus	Eastern White Pine
	TALL DECIDUOUS TREE	
	Acer freemanii `Autumn Fantasy`	Autumn Fantasy Maple
	Acer saccharum `Flax Mill Majesty`	Flax Mill Majesty Maple
	Celtis occidentalis `Prairie Pride`	Prairie Pride Hackberry
	Gleditsia triacanthos inermis `Shademaster`	Shademaster Locust
	Gymnocladus dioica	Kentucky Coffee Tree
	Quercus x schuetti	Swamp Bur Oak
	Salix x sepulcralis `Tristis`	Golden Weeping Willow
	Tilia tomentosa `Sterling`	Sterling Silver Linden
	Ulmus x `New Horizon`	New Horizon Elm
	MEDIUM EVERGREEN TREE	
	Picea glauca `Densata`	Black Hills Spruce
	Thuja occidentalis `Techny`	Techny Arborvitae
	MEDIUM DECIDUOUS TREE	
	Acer rubrum `Red Sunset`	Red Sunset Maple
	Aesculus x carnea `Briotii`	Briotii Red Horsechestnut
	Betula nigra `Heritage`	Heritage River Birch
	Corylus colurna	Turkish Filbert
	Maackia amurensis	Amur Maackia
	Tilia cordata `Greenspire`	Greenspire Littleleaf Linden
	LOW DECIDUOUS TREE	
	Amelanchier x grandiflora `Autumn Brilliance`	Autumn Brilliance Serviceberry
	Cercis canadensis	Eastern Redbud
	Crataegus crus-galli inermis	Thornless Cockspur Hawthorn
	Ginkgo biloba 'Magyar'	Magya Ginkgo
	Malus x `Prairie Maid`	Prairie Maid Crabapple
	Malus x `Profusion`	Profusion Crabapple
	Malus x `Royal Raindrops`	Royal Raindrops Crabapple MS
	Malus x `Sugar Tyme`	Sugar Tyme Crabapple
	Malus x `Zumi`	Redbud Crab Apple
	Pyrus calleryana `Autumn Blaze`	Autumn Blaze Pear
	Syringa reticulata `Ivory Silk`	Ivory Silk Tree Lilac

SHRUBS	BOTANICAL NAME	COMMON NAME
	LOW EVERGREEN TREES	
	Juniperus chinensis `J.N. Select Blue`	Star Power Juniper
	Juniperus chinensis `Mountbatten`	Mountbatten Juniper
	Thuja occidentalis `BailJohn`	Technito Arborvitae
	Thuja occidentalis `Holmstrup`	Holmstrup Cedar
	Thuja occidentalis `Nigra`	Dark Green Arborvitae
	MEDIUM EVERGREEN SHRUB	
	Juniperus chinensis `Old Gold`	Old Gold Juniper
	Juniperus chinensis `Pfitzeriana Kallays`	Kallay Compact Juniper
	Juniperus chinensis `Sea Green`	Sea Green Juniper
	Juniperus virginiana `Grey Owl`	Eastern Redcedar Juniper
	Picea abies `Pumila`	Pumila Spruce
	Taxus x media `Densiformis`	Dense Yew
	Taxus x media `Tauntonii`	Tauton Yew
	MEDIUM DECIDUOUS SHRUB	
	Aronia melanocarpa `Elata`	Glossy Black Chokeberry
	Hydrangea p `Vanilla Strawberry`	Vanilla Strawberry Hydrangea
	Hydrangea quercifolia 'Ruby Slippers'	Ruby Slippers Hydrangea
	Ilex verticillata `Jim Dandy`	Jim Dandy Winterberry
	Ilex verticillata `Red Sprite`	Red Sprite Winterberry
	Physocarpus opulifolius 'Seward'	Summer Wine Ninebark
	Rosa rugosa `Purple Pavement`	Purple Pavement Rugosa Rose
	Sambucus nigra `Black Lace`	Black Lace Elderberry
	Syringa meyeri `Palibin`	Dwarf Korean Lilac
	Weigela florida 'Alexandra' TM	Wine & Roses Weigela
	SMALL EVERGREEN SHRUB	
	Juniperus procumbens `Nana`	Dwarf Japanese Juniper
	Picea abies `Pumila`	Pumila Spruce
	Pinus mugo `Slowmound`	Slowmound Mugo Pine
	SMALL DECIDUOUS SHRUB	
	Cornus stolonifera `Arctic Fire`	Arctic Fire Dogwood
	Diervilla lonicera `Kodiak Orange`	Kodiak Orange Diervilla
	Rosa x `Radtko`	Double Knock Out Rose
	Spiraea japonica `Anthony Waterer`	Anthony Waterer Spiraea
	LOW DECIDUOUS SHRUB	
	Hydrangea paniculata `Bobo`	Bobo Hydrangea
	Itea virginica `Little Henry`	Little Henry Sweetspire
	Spiraea japonica `Magic Carpet`	Magic Carpet Spirea
	LOW EVERGREEN SHRUBS	
	Juniperus horizontalis `Youngstown`	Andorra Juniper
	Juniperus sabina `Buffalo`	Buffalo Juniper
	Taxus x media `Everlow`	Everlow Yew
	ORNAMENTAL GRASS	
	Andropogon gerardii `Dancing Wind`	Dancing Wind Big Blue Stem
	Calamagrostis x a `Karl Foerster`	Karl Foerster Reed Grass
	Calamagrostis x a `Overdam`	Overdam Reed Grass
	Miscanthus sinensis `Oktoberfest`	Oktoberfest Miscanthus
	Panicum virgatum `Northwind`	Northwind Switch Grass
	Schizachyrium scoparium `Blue Heaven`	Blue Heaven Little Bluestem Grass
	SMALL ORNAMENTAL GRASS	
	Deschampsia cespitosa	Tufted Hair Grass
	Eragrostis spectabilis	Purple Love Grass
	Hystrix patula	Bottlebrush Grass
	Sporobolus heterolepis `Tara`	Prairie Dropseed

SHRUB AREAS	BOTANICAL NAME	COMMON NAME
	PERENNIALS	

GROUND COVERS	BOTANICAL NAME	COMMON NAME
	BIO RETENTION PLUG MIX	VARIETY
	Native Plantings	AGRECOL RAINWATER RENEWAL MIX
	Prairie	AGRECOL ECONOMY PRAIRIE MIX
	Turf Hydroseed	Reinders - Cadet 70/30 Fescue/Blue Mix
	Turf Hydroseed Low Grow	Reinders No Mow/Low Grow Mix

REFERENCE NOTES SCHEDULE

SYMBOL	32 EXTERIOR IMPROVEMENTS DESCRIPTION
32-01	Riverstone Maintenance Strip

NORTH

GRAPHICAL SCALE (FEET)
0 1" = 20' 40'

M+H ARCHITECTS

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LANDSCAPE PLAN
ENLARGEMENT

L2.03



PLANT KEY

TREES

BOTANICAL NAME	COMMON NAME
CLIMAX TREE	
Acer saccharum	Sugar Maple
Carya ovata	Shagbark Hickory
Ginkgo biloba	Maidenhair Tree
Juglans nigra	Black Walnut
TALL EVERGREEN TREE	
Abies concolor	White Fir
Picea abies	Norway Spruce
Pinus strobus	Eastern White Pine
TALL DECIDUOUS TREE	
Acer freemanii `Autumn Fantasy`	Autumn Fantasy Maple
Acer saccharum `Flax Mill Majesty`	Flax Mill Majesty Maple
Celtis occidentalis `Prairie Pride`	Prairie Pride Hackberry
Gleditsia triacanthos inermis `Shademaster`	Shademaster Locust
Gymnocladus dioica	Kentucky Coffee Tree
Quercus x schuetti	Swamp Bur Oak
Salix x sepulcralis `Tristis`	Golden Weeping Willow
Tilia tomentosa `Sterling`	Sterling Silver Linden
Ulmus x `New Horizon`	New Horizon Elm
MEDIUM EVERGREEN TREE	
Picea glauca `Densata`	Black Hills Spruce
Thuja occidentalis `Techny`	Techny Arborvitae
MEDIUM DECIDUOUS TREE	
Acer rubrum `Red Sunset`	Red Sunset Maple
Aesculus x carnea `Briotii`	Briotii Red Horsechestnut
Betula nigra `Heritage`	Heritage River Birch
Corylus colurna	Turkish Filbert
Maackia amurensis	Amur Maackia
Tilia cordata `Greenspire`	Greenspire Littleleaf Linden
LOW DECIDUOUS TREE	
Amelanchier x grandiflora `Autumn Brilliance`	Autumn Brilliance Serviceberry
Cercis canadensis	Eastern Redbud
Crataegus crus-galli inermis	Thornless Cockspur Hawthorn
Ginkgo biloba 'Magyar'	Magya Ginkgo
Malus x `Prairie Maid`	Prairie Maid Crabapple
Malus x `Profusion`	Profusion Crabapple
Malus x `Royal Raindrops`	Royal Raindrops Crabapple MS
Malus x `Sugar Tyme`	Sugar Tyme Crabapple
Malus x `Zumi`	Redbud Crab Apple
Pyrus calleryana `Autumn Blaze`	Autumn Blaze Pear
Syringa reticulata `Ivory Silk`	Ivory Silk Tree Lilac

SHRUBS

BOTANICAL NAME	COMMON NAME
LOW EVERGREEN TREES	
Juniperus chinensis `J.N. Select Blue`	Star Power Juniper
Juniperus chinensis `Mountbatten`	Mountbatten Juniper
Thuja occidentalis `BailJohn`	Technito Arborvitae
Thuja occidentalis `Holmstrup`	Holmstrup Cedar
Thuja occidentalis `Nigra`	Dark Green Arborvitae
MEDIUM EVERGREEN SHRUB	
Juniperus chinensis `Old Gold`	Old Gold Juniper
Juniperus chinensis `Pfitzeriana Kallays`	Kallay Compact Juniper
Juniperus chinensis `Sea Green`	Sea Green Juniper
Juniperus virginiana `Grey Owl`	Eastern Redcedar Juniper
Picea abies `Pumila`	Pumila Spruce
Taxus x media `Densiformis`	Dense Yew
Taxus x media `Tauntonii`	Tauton Yew
MEDIUM DECIDUOUS SHRUB	
Aronia melanocarpa `Elata`	Glossy Black Chokeberry
Hydrangea p `Vanilla Strawberry`	Vanilla Strawberry Hydrangea
Hydrangea quercifolia 'Ruby Slippers'	Ruby Slippers Hydrangea
Ilex verticillata `Jim Dandy`	Jim Dandy Winterberry
Ilex verticillata `Red Sprite`	Red Sprite Winterberry
Physocarpus opulifolius 'Seward'	Summer Wine Ninebark
Rosa rugosa `Purple Pavement`	Purple Pavement Rugosa Rose
Sambucus nigra `Black Lace`	Black Lace Elderberry
Syringa meyeri `Palibin`	Dwarf Korean Lilac
Weigela florida 'Alexandra' TM	Wine & Roses Weigela
SMALL EVERGREEN SHRUB	
Juniperus procumbens `Nana`	Dwarf Japanese Juniper
Picea abies `Pumila`	Pumila Spruce
Pinus mugo `Slowmound`	Slowmound Mugo Pine
SMALL DECIDUOUS SHRUB	
Cornus stolonifera `Arctic Fire`	Arctic Fire Dogwood
Diervilla lonicera `Kodiak Orange`	Kodiak Orange Diervilla
Rosa x `Radtko`	Double Knock Out Rose
Spiraea japonica `Anthony Waterer`	Anthony Waterer Spiraea
LOW DECIDUOUS SHRUB	
Hydrangea paniculata `Bobo`	Bobo Hydrangea
Itea virginica `Little Henry`	Little Henry Sweetspire
Spiraea japonica `Magic Carpet`	Magic Carpet Spirea
LOW EVERGREEN SHRUBS	
Juniperus horizontalis `Youngstown`	Andorra Juniper
Juniperus sabina `Buffalo`	Buffalo Juniper
Taxus x media `Everlow`	Everlow Yew
ORNAMENTAL GRASS	
Andropogon gerardii `Dancing Wind`	Dancing Wind Big Blue Stem
Calamagrostis x a `Karl Foerster`	Karl Foerster Reed Grass
Calamagrostis x a `Overdam`	Overdam Reed Grass
Miscanthus sinensis `Oktoberfest`	Oktoberfest Miscanthus
Panicum virgatum `Northwind`	Northwind Switch Grass
Schizachyrium scoparium `Blue Heaven`	Blue Heaven Little Bluestem Grass
SMALL ORNAMENTAL GRASS	
Deschampsia cespitosa	Tufted Hair Grass
Eragrostis spectabilis	Purple Love Grass
Hystrix patula	Bottlebrush Grass
Sporobolus heterolepis `Tara`	Prairie Dropseed

SHRUB AREAS

BOTANICAL NAME	COMMON NAME
PERENNIALS	

GROUND COVERS

BOTANICAL NAME	COMMON NAME
BIO RETENTION PLUG MIX	VARIETY
Native Plantings	AGRECOL RAINWATER RENEWAL MIX
Prairie	AGRECOL ECONOMY PRAIRIE MIX
Turf Hydroseed	Reinders - Cadet 70/30 Fescue/Blue Mix
Turf Hydroseed Low Grow	Reinders No Mow/Low Grow Mix

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

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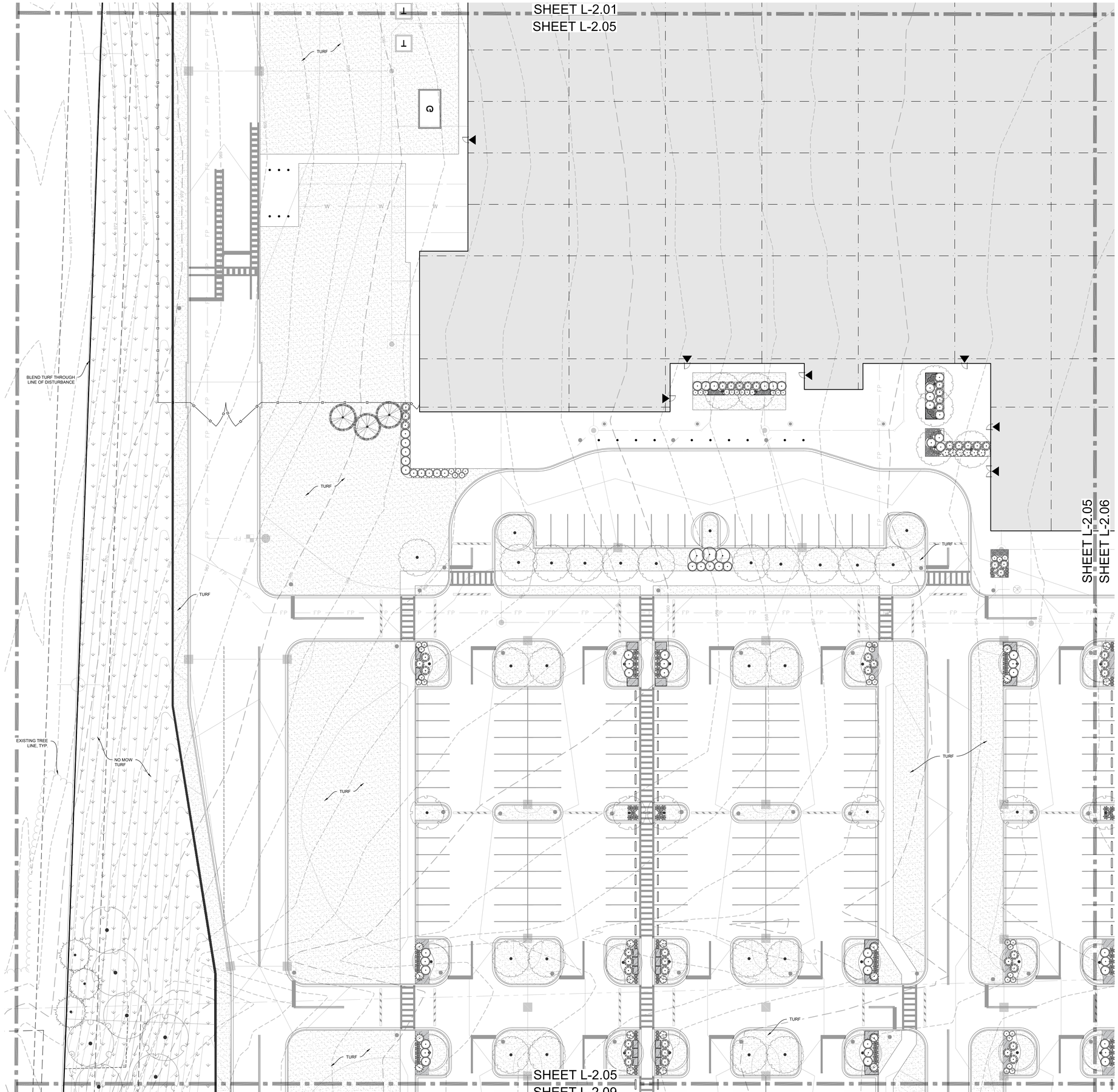
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LANDSCAPE PLAN
ENLARGEMENT

L2.04



PLANT KEY

TREES	BOTANICAL NAME	COMMON NAME
	CLIMAX TREE	
	Acer saccharum	Sugar Maple
	Carya ovata	Shagbark Hickory
	Ginkgo biloba	Maidenhair Tree
	Juglans nigra	Black Walnut
	TALL EVERGREEN TREE	
	Abies concolor	White Fir
	Picea abies	Norway Spruce
	Pinus strobus	Eastern White Pine
	TALL DECIDUOUS TREE	
	Acer freemanii `Autumn Fantasy`	Autumn Fantasy Maple
	Acer saccharum `Flax Mill Majesty`	Flax Mill Majesty Maple
	Celtis occidentalis `Prairie Pride`	Prairie Pride Hackberry
	Gleditsia triacanthos inermis `Shademaster`	Shademaster Locust
	Gymnocladus dioica	Kentucky Coffee Tree
	Quercus x schuetti	Swamp Bur Oak
	Salix x sepulcralis `Tristis`	Golden Weeping Willow
	Tilia tomentosa `Sterling`	Sterling Silver Linden
	Ulmus x `New Horizon`	New Horizon Elm
	MEDIUM EVERGREEN TREE	
	Picea glauca `Densata`	Black Hills Spruce
	Thuja occidentalis `Techny`	Techny Arborvitae
	MEDIUM DECIDUOUS TREE	
	Acer rubrum `Red Sunset`	Red Sunset Maple
	Aesculus x carnea `Briotii`	Briotii Red Horsechestnut
	Betula nigra `Heritage`	Heritage River Birch
	Corylus colurna	Turkish Filbert
	Maackia amurensis	Amur Maackia
	Tilia cordata `Greenspire`	Greenspire Littleleaf Linden
	LOW DECIDUOUS TREE	
	Amelanchier x grandiflora `Autumn Brilliance`	Autumn Brilliance Serviceberry
	Cercis canadensis	Eastern Redbud
	Crataegus crus-galli inermis	Thornless Cockspur Hawthorn
	Ginkgo biloba 'Magyar'	Magya Ginkgo
	Malus x `Prairie Maid`	Prairie Maid Crabapple
	Malus x `Profusion`	Profusion Crabapple
	Malus x `Royal Raindrops`	Royal Raindrops Crabapple MS
	Malus x `Sugar Tyme`	Sugar Tyme Crabapple
	Malus x `Zumi`	Redbud Crab Apple
	Pyrus calleryana `Autumn Blaze`	Autumn Blaze Pear
	Syringa reticulata `Ivory Silk`	Ivory Silk Tree Lilac

SHRUBS	BOTANICAL NAME	COMMON NAME
	LOW EVERGREEN TREES	
	Juniperus chinensis `J.N. Select Blue`	Star Power Juniper
	Juniperus chinensis `Mountbatten`	Mountbatten Juniper
	Thuja occidentalis `BailJohn`	Technito Arborvitae
	Thuja occidentalis `Holmstrup`	Holmstrup Cedar
	Thuja occidentalis `Nigra`	Dark Green Arborvitae
	MEDIUM EVERGREEN SHRUB	
	Juniperus chinensis `Old Gold`	Old Gold Juniper
	Juniperus chinensis `Pfitzeriana Kallays`	Kallay Compact Juniper
	Juniperus chinensis `Sea Green`	Sea Green Juniper
	Juniperus virginiana `Grey Owl`	Eastern Redcedar Juniper
	Picea abies `Pumila`	Pumila Spruce
	Taxus x media `Densiformis`	Dense Yew
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	MEDIUM DECIDUOUS SHRUB	
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	Hydrangea p `Vanilla Strawberry`	Vanilla Strawberry Hydrangea
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	Physocarpus opulifolius 'Seward'	Summer Wine Ninebark
	Rosa rugosa `Purple Pavement`	Purple Pavement Rugosa Rose
	Sambucus nigra `Black Lace`	Black Lace Elderberry
	Syringa meyeri `Palibin`	Dwarf Korean Lilac
	Weigela florida 'Alexandra' TM	Wine & Roses Weigela
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	SMALL DECIDUOUS SHRUB	
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	Rosa x `Radtko`	Double Knock Out Rose
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	LOW DECIDUOUS SHRUB	
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	SMALL ORNAMENTAL GRASS	
	Deschampsia cespitosa	Tufted Hair Grass
	Eragrostis spectabilis	Purple Love Grass
	Hystrix patula	Bottlebrush Grass
	Sporobolus heterolepis `Tara`	Prairie Dropseed

SHRUB AREAS	BOTANICAL NAME	COMMON NAME
	PERENNIALS	

GROUND COVERS	BOTANICAL NAME	COMMON NAME
	BIO RETENTION PLUG MIX	VARIETY
	Native Plantings	AGRECOL RAINWATER RENEWAL MIX
	Prairie	AGRECOL ECONOMY PRAIRIE MIX
	Turf Hydroseed	Reinders - Cadet 70/30 Fescue/Blue Mix
	Turf Hydroseed Low Grow	Reinders No Mow/Low Grow Mix

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

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VILLAGE OF COTTAGE GROVE, WI

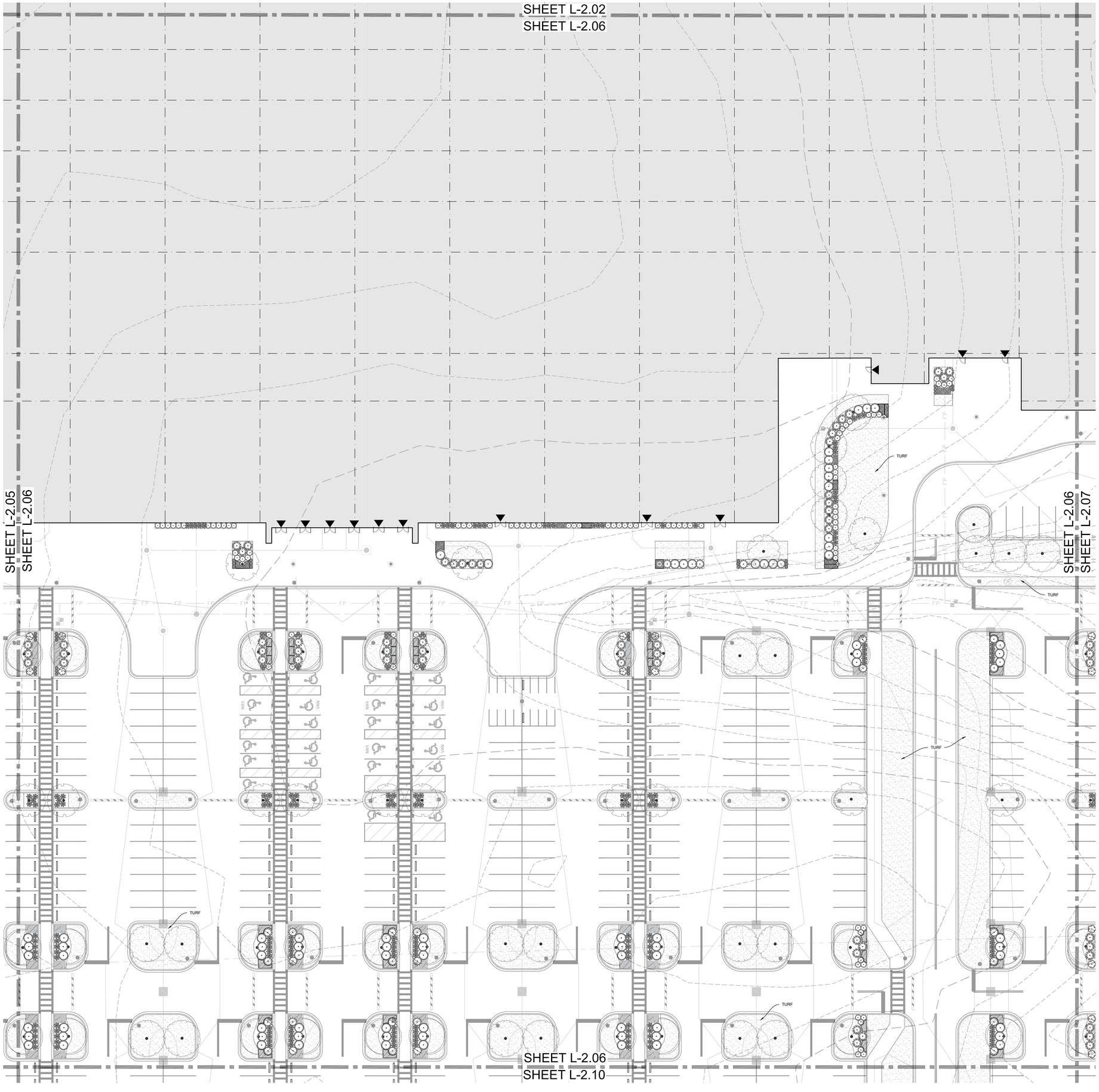
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LANDSCAPE PLAN
ENLARGEMENT

L2.05



PLANT KEY

TREES	BOTANICAL NAME	COMMON NAME
	CLIMAX TREE	
	Acer saccharum	Sugar Maple
	Carya ovata	Shagbark Hickory
	Ginkgo biloba	Maidenhair Tree
	Juglans nigra	Black Walnut
	TALL EVERGREEN TREE	
	Abies concolor	White Fir
	Picea abies	Norway Spruce
	Pinus strobus	Eastern White Pine
	TALL DECIDUOUS TREE	
	Acer freemanii `Autumn Fantasy`	Autumn Fantasy Maple
	Acer saccharum `Flax Mill Majesty`	Flax Mill Majesty Maple
	Celtis occidentalis `Prairie Pride`	Prairie Pride Hackberry
	Gleditsia triacanthos inermis `Shademaster`	Shademaster Locust
	Gymnocladus dioica	Kentucky Coffee Tree
	Quercus x schuetti	Swamp Bur Oak
	Salix x sepulcralis `Tristis`	Golden Weeping Willow
	Tilia tomentosa `Sterling`	Sterling Silver Linden
	Ulmus x `New Horizon`	New Horizon Elm
	MEDIUM EVERGREEN TREE	
	Picea glauca `Densata`	Black Hills Spruce
	Thuja occidentalis `Techny`	Techny Arborvitae
	MEDIUM DECIDUOUS TREE	
	Acer rubrum `Red Sunset`	Red Sunset Maple
	Aesculus x carnea `Briotii`	Briotii Red Horsechestnut
	Betula nigra `Heritage`	Heritage River Birch
	Corylus colurna	Turkish Filbert
	Maackia amurensis	Amur Maackia
	Tilia cordata `Greenspire`	Greenspire Littleleaf Linden
	LOW DECIDUOUS TREE	
	Amelanchier x grandiflora `Autumn Brilliance`	Autumn Brilliance Serviceberry
	Cercis canadensis	Eastern Redbud
	Crataegus crus-galli inermis	Thornless Cockspur Hawthorn
	Ginkgo biloba 'Magyar'	Magya Ginkgo
	Malus x `Prairie Maid`	Prairie Maid Crabapple
	Malus x `Profusion`	Profusion Crabapple
	Malus x `Royal Raindrops`	Royal Raindrops Crabapple MS
	Malus x `Sugar Tyme`	Sugar Tyme Crabapple
	Malus x `Zumi`	Redbud Crab Apple
	Pyrus calleryana `Autumn Blaze`	Autumn Blaze Pear
	Syringa reticulata `Ivory Silk`	Ivory Silk Tree Lilac

SHRUBS	BOTANICAL NAME	COMMON NAME
	LOW EVERGREEN TREES	
	Juniperus chinensis `J.N. Select Blue`	Star Power Juniper
	Juniperus chinensis `Mountbatten`	Mountbatten Juniper
	Thuja occidentalis `BailJohn`	Technito Arborvitae
	Thuja occidentalis `Holmstrup`	Holmstrup Cedar
	Thuja occidentalis `Nigra`	Dark Green Arborvitae
	MEDIUM EVERGREEN SHRUB	
	Juniperus chinensis `Old Gold`	Old Gold Juniper
	Juniperus chinensis `Pfitzeriana Kallays`	Kallay Compact Juniper
	Juniperus chinensis `Sea Green`	Sea Green Juniper
	Juniperus virginiana `Grey Owl`	Eastern Redcedar Juniper
	Picea abies `Pumila`	Pumila Spruce
	Taxus x media `Densiformis`	Dense Yew
	Taxus x media `Tauntonii`	Tauton Yew
	MEDIUM DECIDUOUS SHRUB	
	Aronia melanocarpa `Elata`	Glossy Black Chokeberry
	Hydrangea p `Vanilla Strawberry`	Vanilla Strawberry Hydrangea
	Hydrangea quercifolia 'Ruby Slippers'	Ruby Slippers Hydrangea
	Ilex verticillata `Jim Dandy`	Jim Dandy Winterberry
	Ilex verticillata `Red Sprite`	Red Sprite Winterberry
	Physocarpus opulifolius 'Seward'	Summer Wine Ninebark
	Rosa rugosa `Purple Pavement`	Purple Pavement Rugosa Rose
	Sambucus nigra `Black Lace`	Black Lace Elderberry
	Syringa meyeri `Palibin`	Dwarf Korean Lilac
	Weigela florida 'Alexandra' TM	Wine & Roses Weigela
	SMALL EVERGREEN SHRUB	
	Juniperus procumbens `Nana`	Dwarf Japanese Juniper
	Picea abies `Pumila`	Pumila Spruce
	Pinus mugo `Slowmound`	Slowmound Mugo Pine
	SMALL DECIDUOUS SHRUB	
	Cornus stolonifera `Arctic Fire`	Arctic Fire Dogwood
	Diervilla lonicera `Kodiak Orange`	Kodiak Orange Diervilla
	Rosa x `Radtko`	Double Knock Out Rose
	Spiraea japonica `Anthony Waterer`	Anthony Waterer Spiraea
	LOW DECIDUOUS SHRUB	
	Hydrangea paniculata `Bobo`	Bobo Hydrangea
	Itea virginica `Little Henry`	Little Henry Sweetspire
	Spiraea japonica `Magic Carpet`	Magic Carpet Spirea
	LOW EVERGREEN SHRUBS	
	Juniperus horizontalis `Youngstown`	Andorra Juniper
	Juniperus sabina `Buffalo`	Buffalo Juniper
	Taxus x media `Everlow`	Everlow Yew
	ORNAMENTAL GRASS	
	Andropogon gerardii `Dancing Wind`	Dancing Wind Big Blue Stem
	Calamagrostis x a `Karl Foerster`	Karl Foerster Reed Grass
	Calamagrostis x a `Overdam`	Overdam Reed Grass
	Miscanthus sinensis `Oktoberfest`	Oktoberfest Miscanthus
	Panicum virgatum `Northwind`	Northwind Switch Grass
	Schizachyrium scoparium `Blue Heaven`	Blue Heaven Little Bluestem Grass
	SMALL ORNAMENTAL GRASS	
	Deschampsia cespitosa	Tufted Hair Grass
	Eragrostis spectabilis	Purple Love Grass
	Hystrix patula	Bottlebrush Grass
	Sporobolus heterolepis `Tara`	Prairie Dropseed

SHRUB AREAS	BOTANICAL NAME	COMMON NAME
	PERENNIALS	

GROUND COVERS	BOTANICAL NAME	COMMON NAME
	BIO RETENTION PLUG MIX	VARIETY
	Native Plantings	AGRECOL RAINWATER RENEWAL MIX
	Prairie	AGRECOL ECONOMY PRAIRIE MIX
	Turf Hydroseed	Reinders - Cadet 70/30 Fescue/Blue Mix
	Turf Hydroseed Low Grow	Reinders No Mow/Low Grow Mix

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

M+H ARCHITECTS

ARCHITECT:
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PEG JOB#: 1550.00A

PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

PROGRESS PRINT
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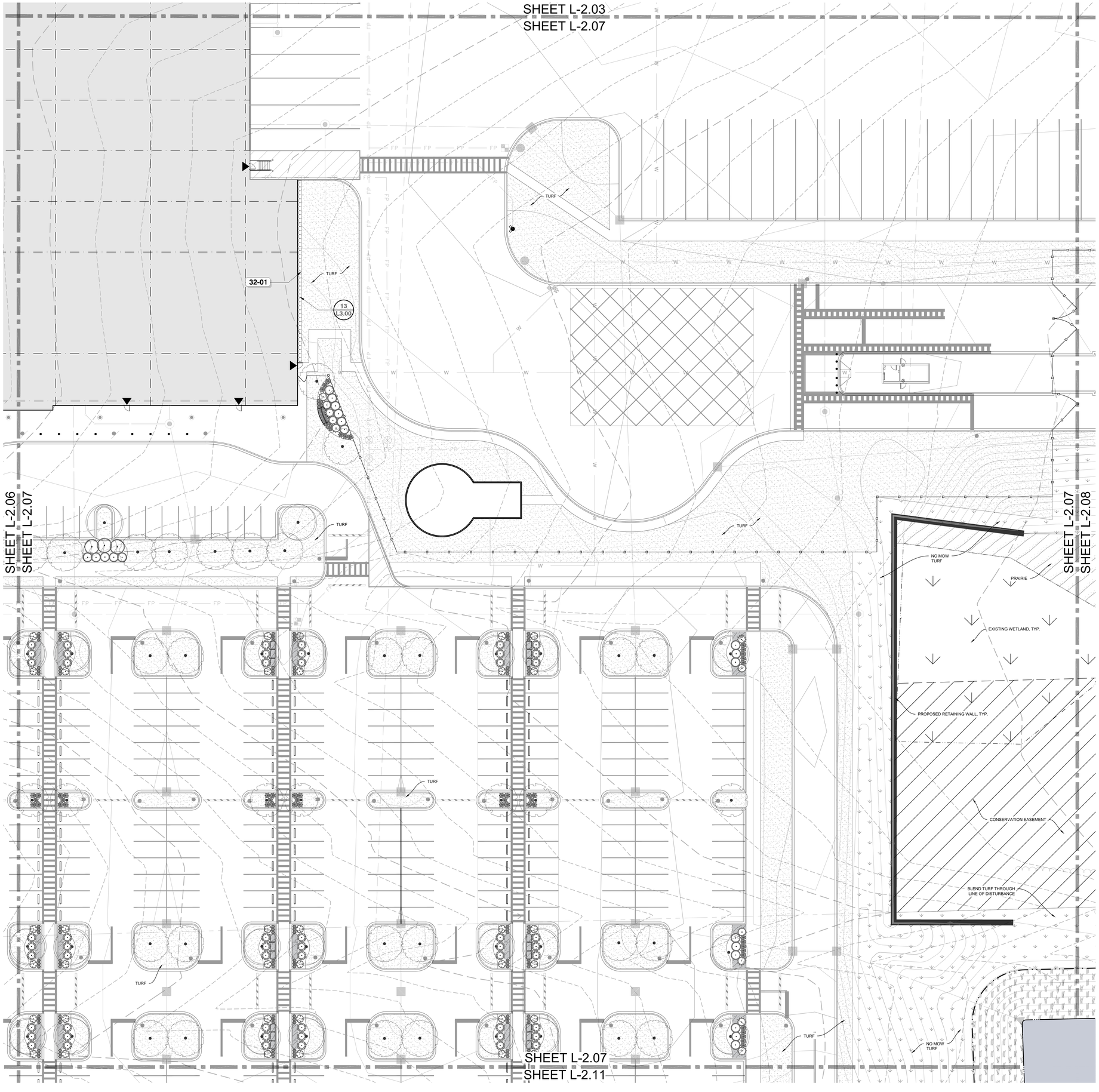
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Checked By:	DJB

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LANDSCAPE PLAN
ENLARGEMENT

L2.06



PLANT KEY

TREES	BOTANICAL NAME	COMMON NAME
	CLIMAX TREE	
	Acer saccharum	Sugar Maple
	Carya ovata	Shagbark Hickory
	Ginkgo biloba	Maidenhair Tree
	Juglans nigra	Black Walnut
	TALL EVERGREEN TREE	
	Abies concolor	White Fir
	Picea abies	Norway Spruce
	Pinus strobus	Eastern White Pine
	TALL DECIDUOUS TREE	
	Acer freemanii `Autumn Fantasy`	Autumn Fantasy Maple
	Acer saccharum `Flax Mill Majesty`	Flax Mill Majesty Maple
	Celtis occidentalis `Prairie Pride`	Prairie Pride Hackberry
	Gleditsia triacanthos inermis `Shademaster`	Shademaster Locust
	Gymnocladus dioica	Kentucky Coffee Tree
	Quercus x schuetti	Swamp Bur Oak
	Salix x sepulcralis `Tristis`	Golden Weeping Willow
	Tilia tomentosa `Sterling`	Sterling Silver Linden
	Ulmus x `New Horizon`	New Horizon Elm
	MEDIUM EVERGREEN TREE	
	Picea glauca `Densata`	Black Hills Spruce
	Thuja occidentalis `Techny`	Techny Arborvitae
	MEDIUM DECIDUOUS TREE	
	Acer rubrum `Red Sunset`	Red Sunset Maple
	Aesculus x carnea `Briotii`	Briotii Red Horsechestnut
	Betula nigra `Heritage`	Heritage River Birch
	Corylus colurna	Turkish Filbert
	Maackia amurensis	Amur Maackia
	Tilia cordata `Greenspire`	Greenspire Littleleaf Linden
	LOW DECIDUOUS TREE	
	Amelanchier x grandiflora `Autumn Brilliance`	Autumn Brilliance Serviceberry
	Cercis canadensis	Eastern Redbud
	Crataegus crus-galli inermis	Thornless Cockspur Hawthorn
	Ginkgo biloba 'Magyar'	Magya Ginkgo
	Malus x `Prairie Maid`	Prairie Maid Crabapple
	Malus x `Profusion`	Profusion Crabapple
	Malus x `Royal Raindrops`	Royal Raindrops Crabapple MS
	Malus x `Sugar Tyme`	Sugar Tyme Crabapple
	Malus x `Zumi`	Redbud Crab Apple
	Pyrus calleryana `Autumn Blaze`	Autumn Blaze Pear
	Syringa reticulata `Ivory Silk`	Ivory Silk Tree Lilac

SHRUBS	BOTANICAL NAME	COMMON NAME
	LOW EVERGREEN TREES	
	Juniperus chinensis `J.N. Select Blue`	Star Power Juniper
	Juniperus chinensis `Mountbatten`	Mountbatten Juniper
	Thuja occidentalis `BailJohn`	Technito Arborvitae
	Thuja occidentalis `Holmstrup`	Holmstrup Cedar
	Thuja occidentalis `Nigra`	Dark Green Arborvitae
	MEDIUM EVERGREEN SHRUB	
	Juniperus chinensis `Old Gold`	Old Gold Juniper
	Juniperus chinensis `Pfitzeriana Kallays`	Kallay Compact Juniper
	Juniperus chinensis `Sea Green`	Sea Green Juniper
	Juniperus virginiana `Grey Owl`	Eastern Redcedar Juniper
	Picea abies `Pumila`	Pumila Spruce
	Taxus x media `Densiformis`	Dense Yew
	Taxus x media `Tauntonii`	Tauton Yew
	MEDIUM DECIDUOUS SHRUB	
	Aronia melanocarpa `Elata`	Glossy Black Chokeberry
	Hydrangea p `Vanilla Strawberry`	Vanilla Strawberry Hydrangea
	Hydrangea quercifolia 'Ruby Slippers'	Ruby Slippers Hydrangea
	Ilex verticillata `Jim Dandy`	Jim Dandy Winterberry
	Ilex verticillata `Red Sprite`	Red Sprite Winterberry
	Physocarpus opulifolius 'Seward'	Summer Wine Ninebark
	Rosa rugosa `Purple Pavement`	Purple Pavement Rugosa Rose
	Sambucus nigra `Black Lace`	Black Lace Elderberry
	Syringa meyeri `Palibin`	Dwarf Korean Lilac
	Weigela florida 'Alexandra' TM	Wine & Roses Weigela
	SMALL EVERGREEN SHRUB	
	Juniperus procumbens `Nana`	Dwarf Japanese Juniper
	Picea abies `Pumila`	Pumila Spruce
	Pinus mugo `Slowmound`	Slowmound Mugo Pine
	SMALL DECIDUOUS SHRUB	
	Cornus stolonifera `Arctic Fire`	Arctic Fire Dogwood
	Diervilla lonicera `Kodiak Orange`	Kodiak Orange Diervilla
	Rosa x `Radtko`	Double Knock Out Rose
	Spiraea japonica `Anthony Waterer`	Anthony Waterer Spiraea
	LOW DECIDUOUS SHRUB	
	Hydrangea paniculata `Bobo`	Bobo Hydrangea
	Itea virginica `Little Henry`	Little Henry Sweetspire
	Spiraea japonica `Magic Carpet`	Magic Carpet Spirea
	LOW EVERGREEN SHRUBS	
	Juniperus horizontalis `Youngstown`	Andorra Juniper
	Juniperus sabina `Buffalo`	Buffalo Juniper
	Taxus x media `Everlow`	Everlow Yew
	ORNAMENTAL GRASS	
	Andropogon gerardii `Dancing Wind`	Dancing Wind Big Blue Stem
	Calamagrostis x a `Karl Foerster`	Karl Foerster Reed Grass
	Calamagrostis x a `Overdam`	Overdam Reed Grass
	Miscanthus sinensis `Oktoberfest`	Oktoberfest Miscanthus
	Panicum virgatum `Northwind`	Northwind Switch Grass
	Schizachyrium scoparium `Blue Heaven`	Blue Heaven Little Bluestem Grass
	SMALL ORNAMENTAL GRASS	
	Deschampsia cespitosa	Tufted Hair Grass
	Eragrostis spectabilis	Purple Love Grass
	Hystrix patula	Bottlebrush Grass
	Sporobolus heterolepis `Tara`	Prairie Dropseed

SHRUB AREAS	BOTANICAL NAME	COMMON NAME
	PERENNIALS	

GROUND COVERS	BOTANICAL NAME	COMMON NAME
	BIO RETENTION PLUG MIX	VARIETY
	Native Plantings	AGRECOL RAINWATER RENEWAL MIX
	Prairie	AGRECOL ECONOMY PRAIRIE MIX
	Turf Hydroseed	Reinders - Cadet 70/30 Fescue/Blue Mix
	Turf Hydroseed Low Grow	Reinders No Mow/Low Grow Mix

REFERENCE NOTES SCHEDULE

SYMBOL	32 EXTERIOR IMPROVEMENTS DESCRIPTION
32-01	Riverstone Maintenance Strip

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

M+H ARCHITECTS

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PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

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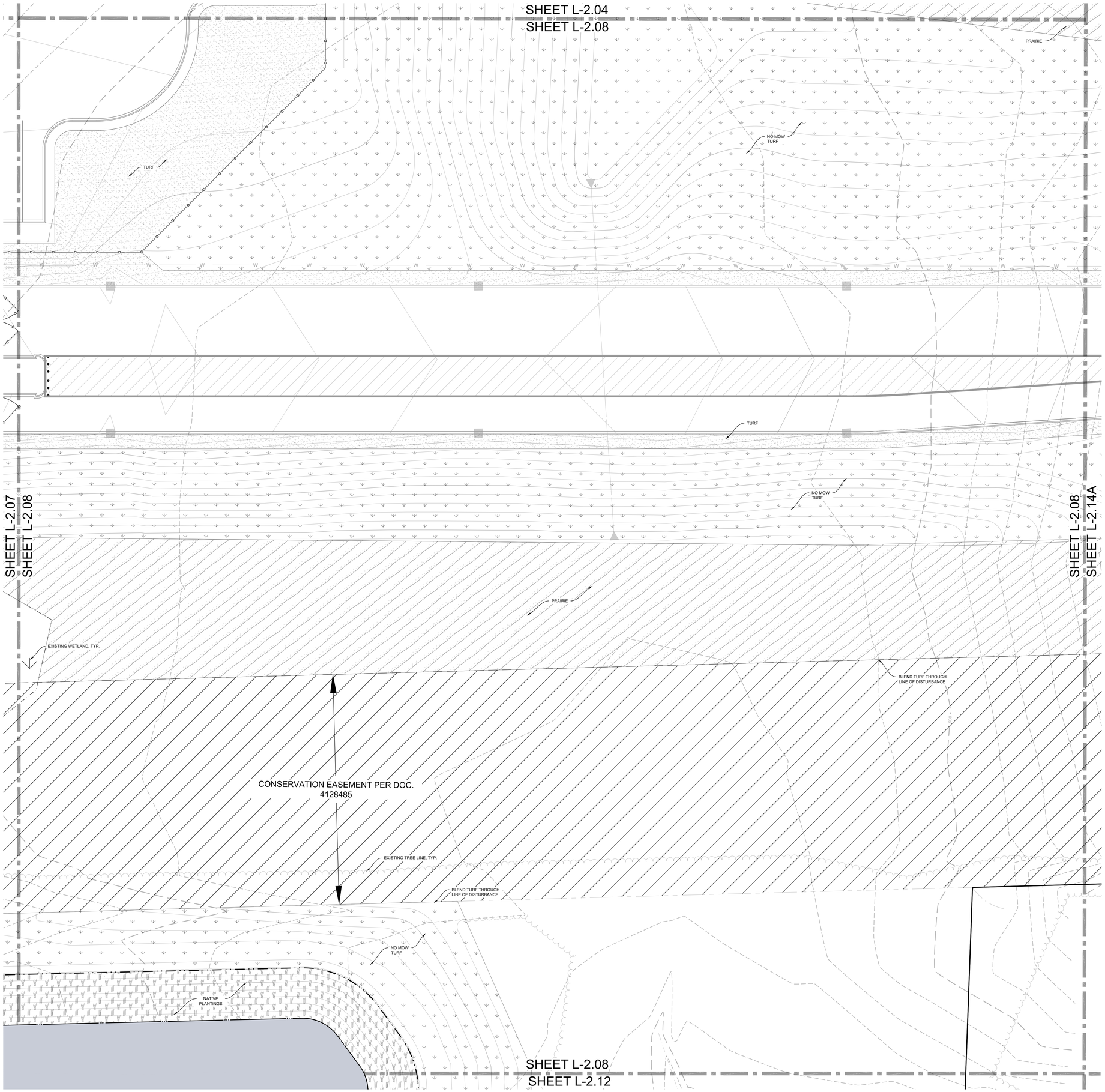
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LANDSCAPE PLAN
ENLARGEMENT

L2.07



PLANT KEY

TREES	BOTANICAL NAME	COMMON NAME
	CLIMAX TREE	
	Acer saccharum	Sugar Maple
	Carya ovata	Shagbark Hickory
	Ginkgo biloba	Maidenhair Tree
	Juglans nigra	Black Walnut
	TALL EVERGREEN TREE	
	Abies concolor	White Fir
	Picea abies	Norway Spruce
	Pinus strobus	Eastern White Pine
	TALL DECIDUOUS TREE	
	Acer freemanii `Autumn Fantasy`	Autumn Fantasy Maple
	Acer saccharum `Flax Mill Majesty`	Flax Mill Majesty Maple
	Celtis occidentalis `Prairie Pride`	Prairie Pride Hackberry
	Gleditsia triacanthos inermis `Shademaster`	Shademaster Locust
	Gymnocladus dioica	Kentucky Coffee Tree
	Quercus x schuetti	Swamp Bur Oak
	Salix x sepulcralis `Tristis`	Golden Weeping Willow
	Tilia tomentosa `Sterling`	Sterling Silver Linden
	Ulmus x `New Horizon`	New Horizon Elm
	MEDIUM EVERGREEN TREE	
	Picea glauca `Densata`	Black Hills Spruce
	Thuja occidentalis `Techny`	Techny Arborvitae
	MEDIUM DECIDUOUS TREE	
	Acer rubrum `Red Sunset`	Red Sunset Maple
	Aesculus x carnea `Briotii`	Briotii Red Horsechestnut
	Betula nigra `Heritage`	Heritage River Birch
	Corylus colurna	Turkish Filbert
	Maackia amurensis	Amur Maackia
	Tilia cordata `Greenspire`	Greenspire Littleleaf Linden
	LOW DECIDUOUS TREE	
	Amelanchier x grandiflora `Autumn Brilliance`	Autumn Brilliance Serviceberry
	Cercis canadensis	Eastern Redbud
	Crataegus crus-galli inermis	Thornless Cockspur Hawthorn
	Ginkgo biloba 'Magyar'	Magya Ginkgo
	Malus x `Prairie Maid`	Prairie Maid Crabapple
	Malus x `Profusion`	Profusion Crabapple
	Malus x `Royal Raindrops`	Royal Raindrops Crabapple MS
	Malus x `Sugar Tyme`	Sugar Tyme Crabapple
	Malus x `Zumi`	Redbud Crab Apple
	Pyrus calleryana `Autumn Blaze`	Autumn Blaze Pear
	Syringa reticulata `Ivory Silk`	Ivory Silk Tree Lilac

SHRUBS	BOTANICAL NAME	COMMON NAME
	LOW EVERGREEN TREES	
	Juniperus chinensis `J.N. Select Blue`	Star Power Juniper
	Juniperus chinensis `Mountbatten`	Mountbatten Juniper
	Thuja occidentalis `BailJohn`	Technito Arborvitae
	Thuja occidentalis `Holmstrup`	Holmstrup Cedar
	Thuja occidentalis `Nigra`	Dark Green Arborvitae
	MEDIUM EVERGREEN SHRUB	
	Juniperus chinensis `Old Gold`	Old Gold Juniper
	Juniperus chinensis `Pfitzeriana Kallays`	Kallay Compact Juniper
	Juniperus chinensis `Sea Green`	Sea Green Juniper
	Juniperus virginiana `Grey Owl`	Eastern Redcedar Juniper
	Picea abies `Pumila`	Pumila Spruce
	Taxus x media `Densiformis`	Dense Yew
	Taxus x media `Tauntonii`	Tauton Yew
	MEDIUM DECIDUOUS SHRUB	
	Aronia melanocarpa `Elata`	Glossy Black Chokeberry
	Hydrangea p `Vanilla Strawberry`	Vanilla Strawberry Hydrangea
	Hydrangea quercifolia 'Ruby Slippers'	Ruby Slippers Hydrangea
	Ilex verticillata `Jim Dandy`	Jim Dandy Winterberry
	Ilex verticillata `Red Sprite`	Red Sprite Winterberry
	Physocarpus opulifolius 'Seward'	Summer Wine Ninebark
	Rosa rugosa `Purple Pavement`	Purple Pavement Rugosa Rose
	Sambucus nigra `Black Lace`	Black Lace Elderberry
	Syringa meyeri `Palibin`	Dwarf Korean Lilac
	Weigela florida 'Alexandra' TM	Wine & Roses Weigela
	SMALL EVERGREEN SHRUB	
	Juniperus procumbens `Nana`	Dwarf Japanese Juniper
	Picea abies `Pumila`	Pumila Spruce
	Pinus mugo `Slowmound`	Slowmound Mugo Pine
	SMALL DECIDUOUS SHRUB	
	Cornus stolonifera `Arctic Fire`	Arctic Fire Dogwood
	Diervilla lonicera `Kodiak Orange`	Kodiak Orange Diervilla
	Rosa x `Radtko`	Double Knock Out Rose
	Spiraea japonica `Anthony Waterer`	Anthony Waterer Spiraea
	LOW DECIDUOUS SHRUB	
	Hydrangea paniculata `Bobo`	Bobo Hydrangea
	Itea virginica `Little Henry`	Little Henry Sweetspire
	Spiraea japonica `Magic Carpet`	Magic Carpet Spirea
	LOW EVERGREEN SHRUBS	
	Juniperus horizontalis `Youngstown`	Andorra Juniper
	Juniperus sabina `Buffalo`	Buffalo Juniper
	Taxus x media `Everlow`	Everlow Yew
	ORNAMENTAL GRASS	
	Andropogon gerardii `Dancing Wind`	Dancing Wind Big Blue Stem
	Calamagrostis x a `Karl Foerster`	Karl Foerster Reed Grass
	Calamagrostis x a `Overdam`	Overdam Reed Grass
	Miscanthus sinensis `Oktoberfest`	Oktoberfest Miscanthus
	Panicum virgatum `Northwind`	Northwind Switch Grass
	Schizachyrium scoparium `Blue Heaven`	Blue Heaven Little Bluestem Grass
	SMALL ORNAMENTAL GRASS	
	Deschampsia cespitosa	Tufted Hair Grass
	Eragrostis spectabilis	Purple Love Grass
	Hystrix patula	Bottlebrush Grass
	Sporobolus heterolepis `Tara`	Prairie Dropseed

SHRUB AREAS	BOTANICAL NAME	COMMON NAME
	PERENNIALS	

GROUND COVERS	BOTANICAL NAME	COMMON NAME
	BIO RETENTION PLUG MIX	VARIETY
	Native Plantings	AGRECOL RAINWATER RENEWAL MIX
	Prairie	AGRECOL ECONOMY PRAIRIE MIX
	Turf Hydroseed	Reinders - Cadet 70/30 Fescue/Blue Mix
	Turf Hydroseed Low Grow	Reinders No Mow/Low Grow Mix

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

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VILLAGE OF COTTAGE GROVE, WI

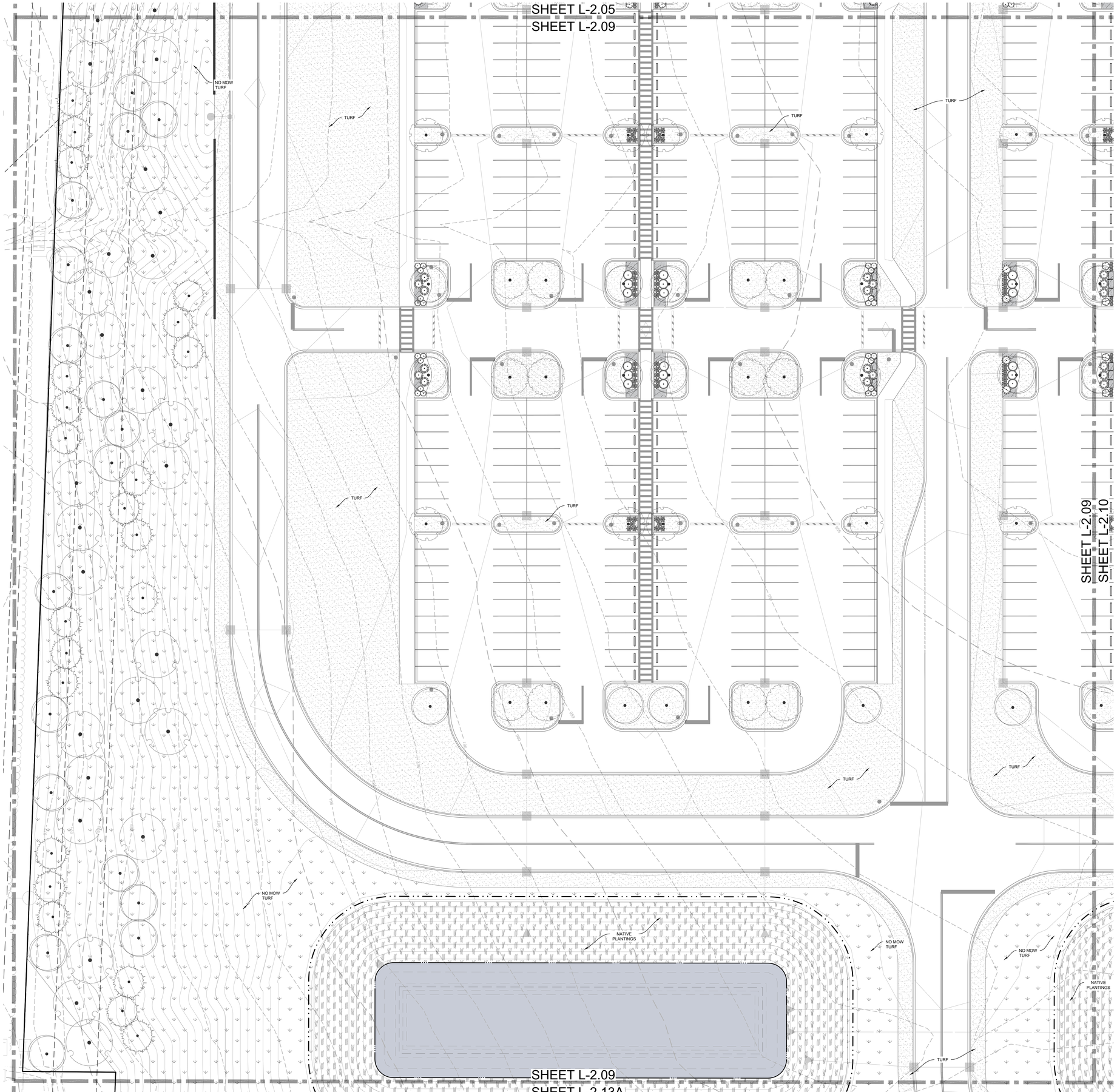
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LANDSCAPE PLAN ENLARGEMENT

L2.08



PLANT KEY

TREES	BOTANICAL NAME	COMMON NAME
	CLIMAX TREE	
	Acer saccharum	Sugar Maple
	Carya ovata	Shagbark Hickory
	Ginkgo biloba	Maidenhair Tree
	Juglans nigra	Black Walnut
	TALL EVERGREEN TREE	
	Abies concolor	White Fir
	Picea abies	Norway Spruce
	Pinus strobus	Eastern White Pine
	TALL DECIDUOUS TREE	
	Acer freemanii `Autumn Fantasy`	Autumn Fantasy Maple
	Acer saccharum `Flax Mill Majesty`	Flax Mill Majesty Maple
	Celtis occidentalis `Prairie Pride`	Prairie Pride Hackberry
	Gleditsia triacanthos inermis `Shademaster`	Shademaster Locust
	Gymnocladus dioica	Kentucky Coffee Tree
	Quercus x schuetti	Swamp Bur Oak
	Salix x sepulcralis `Tristis`	Golden Weeping Willow
	Tilia tomentosa `Sterling`	Sterling Silver Linden
	Ulmus x `New Horizon`	New Horizon Elm
	MEDIUM EVERGREEN TREE	
	Picea glauca `Densata`	Black Hills Spruce
	Thuja occidentalis `Techny`	Techny Arborvitae
	MEDIUM DECIDUOUS TREE	
	Acer rubrum `Red Sunset`	Red Sunset Maple
	Aesculus x carnea `Briotii`	Briotii Red Horsechestnut
	Betula nigra `Heritage`	Heritage River Birch
	Corylus colurna	Turkish Filbert
	Maackia amurensis	Amur Maackia
	Tilia cordata `Greenspire`	Greenspire Littleleaf Linden
	LOW DECIDUOUS TREE	
	Amelanchier x grandiflora `Autumn Brilliance`	Autumn Brilliance Serviceberry
	Cercis canadensis	Eastern Redbud
	Crataegus crus-galli inermis	Thornless Cockspur Hawthorn
	Ginkgo biloba 'Magyar'	Magya Ginkgo
	Malus x `Prairie Maid`	Prairie Maid Crabapple
	Malus x `Profusion`	Profusion Crabapple
	Malus x `Royal Raindrops`	Royal Raindrops Crabapple MS
	Malus x `Sugar Tyme`	Sugar Tyme Crabapple
	Malus x `Zumi`	Redbud Crab Apple
	Pyrus calleryana `Autumn Blaze`	Autumn Blaze Pear
	Syringa reticulata `Ivory Silk`	Ivory Silk Tree Lilac

SHRUBS	BOTANICAL NAME	COMMON NAME
	LOW EVERGREEN TREES	
	Juniperus chinensis `J.N. Select Blue`	Star Power Juniper
	Juniperus chinensis `Mountbatten`	Mountbatten Juniper
	Thuja occidentalis `BailJohn`	Technito Arborvitae
	Thuja occidentalis `Holmstrup`	Holmstrup Cedar
	Thuja occidentalis `Nigra`	Dark Green Arborvitae
	MEDIUM EVERGREEN SHRUB	
	Juniperus chinensis `Old Gold`	Old Gold Juniper
	Juniperus chinensis `Pfitzeriana Kallays`	Kallay Compact Juniper
	Juniperus chinensis `Sea Green`	Sea Green Juniper
	Juniperus virginiana `Grey Owl`	Eastern Redcedar Juniper
	Picea abies `Pumila`	Pumila Spruce
	Taxus x media `Densiformis`	Dense Yew
	Taxus x media `Tauntonii`	Tauton Yew
	MEDIUM DECIDUOUS SHRUB	
	Aronia melanocarpa `Elata`	Glossy Black Chokeberry
	Hydrangea p `Vanilla Strawberry`	Vanilla Strawberry Hydrangea
	Hydrangea quercifolia 'Ruby Slippers'	Ruby Slippers Hydrangea
	Ilex verticillata `Jim Dandy`	Jim Dandy Winterberry
	Ilex verticillata `Red Sprite`	Red Sprite Winterberry
	Physocarpus opulifolius 'Seward'	Summer Wine Ninebark
	Rosa rugosa `Purple Pavement`	Purple Pavement Rugosa Rose
	Sambucus nigra `Black Lace`	Black Lace Elderberry
	Syringa meyeri `Palibin`	Dwarf Korean Lilac
	Weigela florida 'Alexandra' TM	Wine & Roses Weigela
	SMALL EVERGREEN SHRUB	
	Juniperus procumbens `Nana`	Dwarf Japanese Juniper
	Picea abies `Pumila`	Pumila Spruce
	Pinus mugo `Slowmound`	Slowmound Mugo Pine
	SMALL DECIDUOUS SHRUB	
	Cornus stolonifera `Arctic Fire`	Arctic Fire Dogwood
	Diervilla lonicera `Kodiak Orange`	Kodiak Orange Diervilla
	Rosa x `Radtko`	Double Knock Out Rose
	Spiraea japonica `Anthony Waterer`	Anthony Waterer Spiraea
	LOW DECIDUOUS SHRUB	
	Hydrangea paniculata `Bobo`	Bobo Hydrangea
	Itea virginica `Little Henry`	Little Henry Sweetspire
	Spiraea japonica `Magic Carpet`	Magic Carpet Spirea
	LOW EVERGREEN SHRUBS	
	Juniperus horizontalis `Youngstown`	Andorra Juniper
	Juniperus sabina `Buffalo`	Buffalo Juniper
	Taxus x media `Everlow`	Everlow Yew
	ORNAMENTAL GRASS	
	Andropogon gerardii `Dancing Wind`	Dancing Wind Big Blue Stem
	Calamagrostis x a `Karl Foerster`	Karl Foerster Reed Grass
	Calamagrostis x a `Overdam`	Overdam Reed Grass
	Miscanthus sinensis `Oktoberfest`	Oktoberfest Miscanthus
	Panicum virgatum `Northwind`	Northwind Switch Grass
	Schizachyrium scoparium `Blue Heaven`	Blue Heaven Little Bluestem Grass
	SMALL ORNAMENTAL GRASS	
	Deschampsia cespitosa	Tufted Hair Grass
	Eragrostis spectabilis	Purple Love Grass
	Hystrix patula	Bottlebrush Grass
	Sporobolus heterolepis `Tara`	Prairie Dropseed

SHRUB AREAS	BOTANICAL NAME	COMMON NAME
	PERENNIALS	

GROUND COVERS	BOTANICAL NAME	COMMON NAME
	BIO RETENTION PLUG MIX	VARIETY
	Native Plantings	AGRECOL RAINWATER RENEWAL MIX
	Prairie	AGRECOL ECONOMY PRAIRIE MIX
	Turf Hydroseed	Reinders - Cadet 70/30 Fescue/Blue Mix
	Turf Hydroseed Low Grow	Reinders No Mow/Low Grow Mix

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

M+H ARCHITECTS

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D.B.A. M+H Architects
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PEG JOB#: 1590.00A

PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

PROGRESS PRINT
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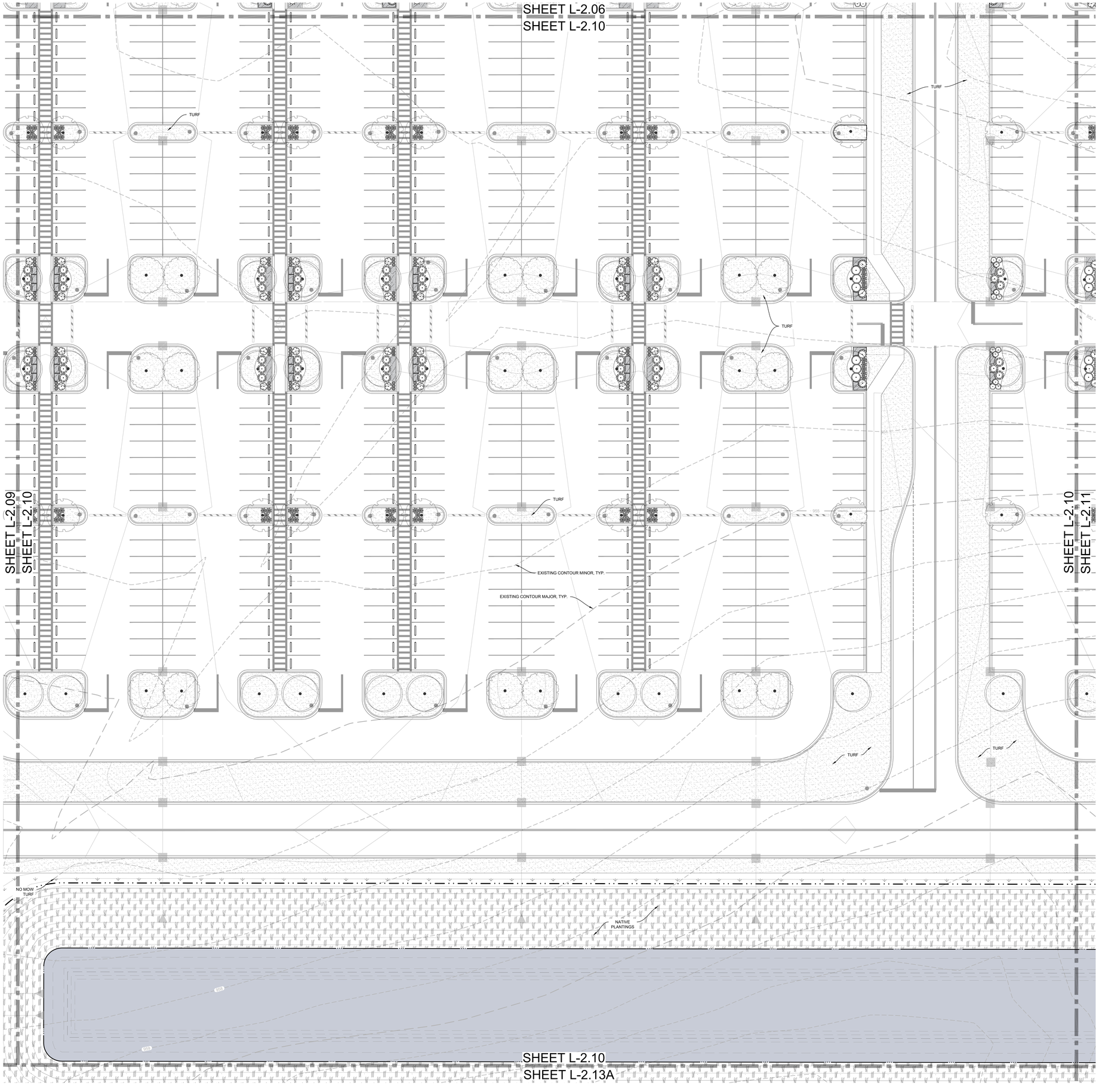
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Sheet Issue Date:	01-19-22
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Checked By:	DJB

Drawing Title:

LANDSCAPE PLAN ENLARGEMENT

L2.09



PLANT KEY

TREES

BOTANICAL NAME	COMMON NAME
CLIMAX TREE	
Acer saccharum	Sugar Maple
Carya ovata	Shagbark Hickory
Ginkgo biloba	Maidenhair Tree
Juglans nigra	Black Walnut
TALL EVERGREEN TREE	
Abies concolor	White Fir
Picea abies	Norway Spruce
Pinus strobus	Eastern White Pine
TALL DECIDUOUS TREE	
Acer freemanii `Autumn Fantasy`	Autumn Fantasy Maple
Acer saccharum `Flax Mill Majesty`	Flax Mill Majesty Maple
Celtis occidentalis `Prairie Pride`	Prairie Pride Hackberry
Gleditsia triacanthos inermis `Shademaster`	Shademaster Locust
Gymnocladus dioica	Kentucky Coffee Tree
Quercus x schuetti	Swamp Bur Oak
Salix x sepulcralis `Tristis`	Golden Weeping Willow
Tilia tomentosa `Sterling`	Sterling Silver Linden
Ulmus x `New Horizon`	New Horizon Elm
MEDIUM EVERGREEN TREE	
Picea glauca `Densata`	Black Hills Spruce
Thuja occidentalis `Techny`	Techny Arborvitae
MEDIUM DECIDUOUS TREE	
Acer rubrum `Red Sunset`	Red Sunset Maple
Aesculus x carnea `Briotii`	Briotii Red Horsechestnut
Betula nigra `Heritage`	Heritage River Birch
Corylus colurna	Turkish Filbert
Maackia amurensis	Amur Maackia
Tilia cordata `Greenspire`	Greenspire Littleleaf Linden
LOW DECIDUOUS TREE	
Amelanchier x grandiflora `Autumn Brilliance`	Autumn Brilliance Serviceberry
Cercis canadensis	Eastern Redbud
Crataegus crus-galli inermis	Thornless Cockspur Hawthorn
Ginkgo biloba 'Magyar'	Magya Ginkgo
Malus x `Prairie Maid`	Prairie Maid Crabapple
Malus x `Profusion`	Profusion Crabapple
Malus x `Royal Raindrops`	Royal Raindrops Crabapple MS
Malus x `Sugar Tyme`	Sugar Tyme Crabapple
Malus x `Zumi`	Redbud Crab Apple
Pyrus calleryana `Autumn Blaze`	Autumn Blaze Pear
Syringa reticulata `Ivory Silk`	Ivory Silk Tree Lilac

SHRUBS

BOTANICAL NAME	COMMON NAME
LOW EVERGREEN TREES	
Juniperus chinensis `J.N. Select Blue`	Star Power Juniper
Juniperus chinensis `Mountbatten`	Mountbatten Juniper
Thuja occidentalis `BailJohn`	Technito Arborvitae
Thuja occidentalis `Holmstrup`	Holmstrup Cedar
Thuja occidentalis `Nigra`	Dark Green Arborvitae
MEDIUM EVERGREEN SHRUB	
Juniperus chinensis `Old Gold`	Old Gold Juniper
Juniperus chinensis `Pfitzeriana Kallays`	Kallay Compact Juniper
Juniperus chinensis `Sea Green`	Sea Green Juniper
Juniperus virginiana `Grey Owl`	Eastern Redcedar Juniper
Picea abies `Pumila`	Pumila Spruce
Taxus x media `Densiformis`	Dense Yew
Taxus x media `Tauntonii`	Tauton Yew
MEDIUM DECIDUOUS SHRUB	
Aronia melanocarpa `Elata`	Glossy Black Chokeberry
Hydrangea p `Vanilla Strawberry`	Vanilla Strawberry Hydrangea
Hydrangea quercifolia 'Ruby Slippers'	Ruby Slippers Hydrangea
Ilex verticillata `Jim Dandy`	Jim Dandy Winterberry
Ilex verticillata `Red Sprite`	Red Sprite Winterberry
Physocarpus opulifolius 'Seward'	Summer Wine Ninebark
Rosa rugosa `Purple Pavement`	Purple Pavement Rugosa Rose
Sambucus nigra `Black Lace`	Black Lace Elderberry
Syringa meyeri `Palibin`	Dwarf Korean Lilac
Weigela florida 'Alexandra' TM	Wine & Roses Weigela
SMALL EVERGREEN SHRUB	
Juniperus procumbens `Nana`	Dwarf Japanese Juniper
Picea abies `Pumila`	Pumila Spruce
Pinus mugo `Slowmound`	Slowmound Mugo Pine
SMALL DECIDUOUS SHRUB	
Cornus stolonifera `Arctic Fire`	Arctic Fire Dogwood
Diervilla lonicera `Kodiak Orange`	Kodiak Orange Diervilla
Rosa x `Radtko`	Double Knock Out Rose
Spiraea japonica `Anthony Waterer`	Anthony Waterer Spiraea
LOW DECIDUOUS SHRUB	
Hydrangea paniculata `Bobo`	Bobo Hydrangea
Itea virginica `Little Henry`	Little Henry Sweetspire
Spiraea japonica `Magic Carpet`	Magic Carpet Spirea
LOW EVERGREEN SHRUBS	
Juniperus horizontalis `Youngstown`	Andorra Juniper
Juniperus sabina `Buffalo`	Buffalo Juniper
Taxus x media `Everlow`	Everlow Yew
ORNAMENTAL GRASS	
Andropogon gerardii `Dancing Wind`	Dancing Wind Big Blue Stem
Calamagrostis x a `Karl Foerster`	Karl Foerster Reed Grass
Calamagrostis x a `Overdam`	Overdam Reed Grass
Miscanthus sinensis `Oktoberfest`	Oktoberfest Miscanthus
Panicum virgatum `Northwind`	Northwind Switch Grass
Schizachyrium scoparium `Blue Heaven`	Blue Heaven Little Bluestem Grass
SMALL ORNAMENTAL GRASS	
Deschampsia cespitosa	Tufted Hair Grass
Eragrostis spectabilis	Purple Love Grass
Hystrix patula	Bottlebrush Grass
Sporobolus heterolepis `Tara`	Prairie Dropseed

SHRUB AREAS	BOTANICAL NAME	COMMON NAME
	PERENNIALS	

GROUND COVERS	BOTANICAL NAME	COMMON NAME
	BIO RETENTION PLUG MIX	VARIETY
	Native Plantings	AGRECOL RAINWATER RENEWAL MIX
	Prairie	AGRECOL ECONOMY PRAIRIE MIX
	Turf Hydroseed	Reinders - Cadet 70/30 Fescue/Blue Mix
	Turf Hydroseed Low Grow	Reinders No Mow/Low Grow Mix

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

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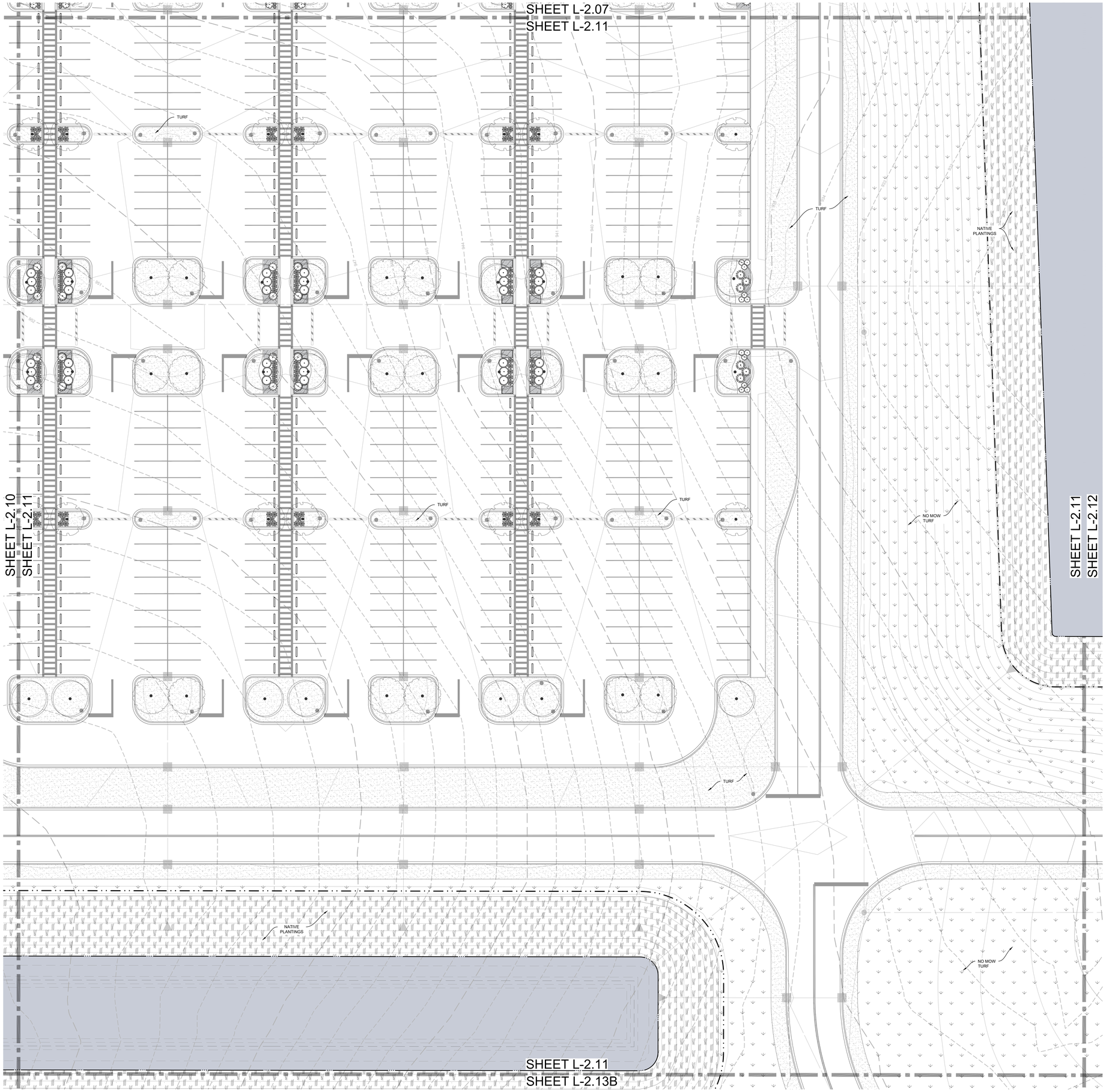
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LANDSCAPE PLAN ENLARGEMENT

L2.10



PLANT KEY

TREES	BOTANICAL NAME	COMMON NAME
	CLIMAX TREE	
	Acer saccharum	Sugar Maple
	Carya ovata	Shagbark Hickory
	Ginkgo biloba	Maidenhair Tree
	Juglans nigra	Black Walnut
	TALL EVERGREEN TREE	
	Abies concolor	White Fir
	Picea abies	Norway Spruce
	Pinus strobus	Eastern White Pine
	TALL DECIDUOUS TREE	
	Acer freemanii `Autumn Fantasy`	Autumn Fantasy Maple
	Acer saccharum `Flax Mill Majesty`	Flax Mill Majesty Maple
	Celtis occidentalis `Prairie Pride`	Prairie Pride Hackberry
	Gleditsia triacanthos inermis `Shademaster`	Shademaster Locust
	Gymnocladus dioica	Kentucky Coffee Tree
	Quercus x schuetti	Swamp Bur Oak
	Salix x sepulcralis `Tristis`	Golden Weeping Willow
	Tilia tomentosa `Sterling`	Sterling Silver Linden
	Ulmus x `New Horizon`	New Horizon Elm
	MEDIUM EVERGREEN TREE	
	Picea glauca `Densata`	Black Hills Spruce
	Thuja occidentalis `Techny`	Techny Arborvitae
	MEDIUM DECIDUOUS TREE	
	Acer rubrum `Red Sunset`	Red Sunset Maple
	Aesculus x carnea `Briotii`	Briotii Red Horsechestnut
	Betula nigra `Heritage`	Heritage River Birch
	Corylus colurna	Turkish Filbert
	Maackia amurensis	Amur Maackia
	Tilia cordata `Greenspire`	Greenspire Littleleaf Linden
	LOW DECIDUOUS TREE	
	Amelanchier x grandiflora `Autumn Brilliance`	Autumn Brilliance Serviceberry
	Cercis canadensis	Eastern Redbud
	Crataegus crus-galli inermis	Thornless Cockspur Hawthorn
	Ginkgo biloba 'Magyar'	Magya Ginkgo
	Malus x `Prairie Maid`	Prairie Maid Crabapple
	Malus x `Profusion`	Profusion Crabapple
	Malus x `Royal Raindrops`	Royal Raindrops Crabapple MS
	Malus x `Sugar Tyme`	Sugar Tyme Crabapple
	Malus x `Zumi`	Redbud Crab Apple
	Pyrus calleryana `Autumn Blaze`	Autumn Blaze Pear
	Syringa reticulata `Ivory Silk`	Ivory Silk Tree Lilac

SHRUBS	BOTANICAL NAME	COMMON NAME
	LOW EVERGREEN TREES	
	Juniperus chinensis `J.N. Select Blue`	Star Power Juniper
	Juniperus chinensis `Mountbatten`	Mountbatten Juniper
	Thuja occidentalis `BailJohn`	Technito Arborvitae
	Thuja occidentalis `Holmstrup`	Holmstrup Cedar
	Thuja occidentalis `Nigra`	Dark Green Arborvitae
	MEDIUM EVERGREEN SHRUB	
	Juniperus chinensis `Old Gold`	Old Gold Juniper
	Juniperus chinensis `Pfitzeriana Kallays`	Kallay Compact Juniper
	Juniperus chinensis `Sea Green`	Sea Green Juniper
	Juniperus virginiana `Grey Owl`	Eastern Redcedar Juniper
	Picea abies `Pumila`	Pumila Spruce
	Taxus x media `Densiformis`	Dense Yew
	Taxus x media `Tauntonii`	Tauton Yew
	MEDIUM DECIDUOUS SHRUB	
	Aronia melanocarpa `Elata`	Glossy Black Chokeberry
	Hydrangea p `Vanilla Strawberry`	Vanilla Strawberry Hydrangea
	Hydrangea quercifolia 'Ruby Slippers'	Ruby Slippers Hydrangea
	Ilex verticillata `Jim Dandy`	Jim Dandy Winterberry
	Ilex verticillata `Red Sprite`	Red Sprite Winterberry
	Physocarpus opulifolius 'Seward'	Summer Wine Ninebark
	Rosa rugosa `Purple Pavement`	Purple Pavement Rugosa Rose
	Sambucus nigra `Black Lace`	Black Lace Elderberry
	Syringa meyeri `Palibin`	Dwarf Korean Lilac
	Weigela florida 'Alexandra' TM	Wine & Roses Weigela
	SMALL EVERGREEN SHRUB	
	Juniperus procumbens `Nana`	Dwarf Japanese Juniper
	Picea abies `Pumila`	Pumila Spruce
	Pinus mugo `Slowmound`	Slowmound Mugo Pine
	SMALL DECIDUOUS SHRUB	
	Cornus stolonifera `Arctic Fire`	Arctic Fire Dogwood
	Diervilla lonicera `Kodiak Orange`	Kodiak Orange Diervilla
	Rosa x `Radtko`	Double Knock Out Rose
	Spiraea japonica `Anthony Waterer`	Anthony Waterer Spiraea
	LOW DECIDUOUS SHRUB	
	Hydrangea paniculata `Bobo`	Bobo Hydrangea
	Itea virginica `Little Henry`	Little Henry Sweetspire
	Spiraea japonica `Magic Carpet`	Magic Carpet Spirea
	LOW EVERGREEN SHRUBS	
	Juniperus horizontalis `Youngstown`	Andorra Juniper
	Juniperus sabina `Buffalo`	Buffalo Juniper
	Taxus x media `Everlow`	Everlow Yew
	ORNAMENTAL GRASS	
	Andropogon gerardii `Dancing Wind`	Dancing Wind Big Blue Stem
	Calamagrostis x a `Karl Foerster`	Karl Foerster Reed Grass
	Calamagrostis x a `Overdam`	Overdam Reed Grass
	Miscanthus sinensis `Oktoberfest`	Oktoberfest Miscanthus
	Panicum virgatum `Northwind`	Northwind Switch Grass
	Schizachyrium scoparium `Blue Heaven`	Blue Heaven Little Bluestem Grass
	SMALL ORNAMENTAL GRASS	
	Deschampsia cespitosa	Tufted Hair Grass
	Eragrostis spectabilis	Purple Love Grass
	Hystrix patula	Bottlebrush Grass
	Sporobolus heterolepis `Tara`	Prairie Dropseed

SHRUB AREAS	BOTANICAL NAME	COMMON NAME
	PERENNIALS	

GROUND COVERS	BOTANICAL NAME	COMMON NAME
	BIO RETENTION PLUG MIX	VARIETY
	Native Plantings	AGRECOL RAINWATER RENEWAL MIX
	Prairie	AGRECOL ECONOMY PRAIRIE MIX
	Turf Hydroseed	Reinders - Cadet 70/30 Fescue/Blue Mix
	Turf Hydroseed Low Grow	Reinders No Mow/Low Grow Mix

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

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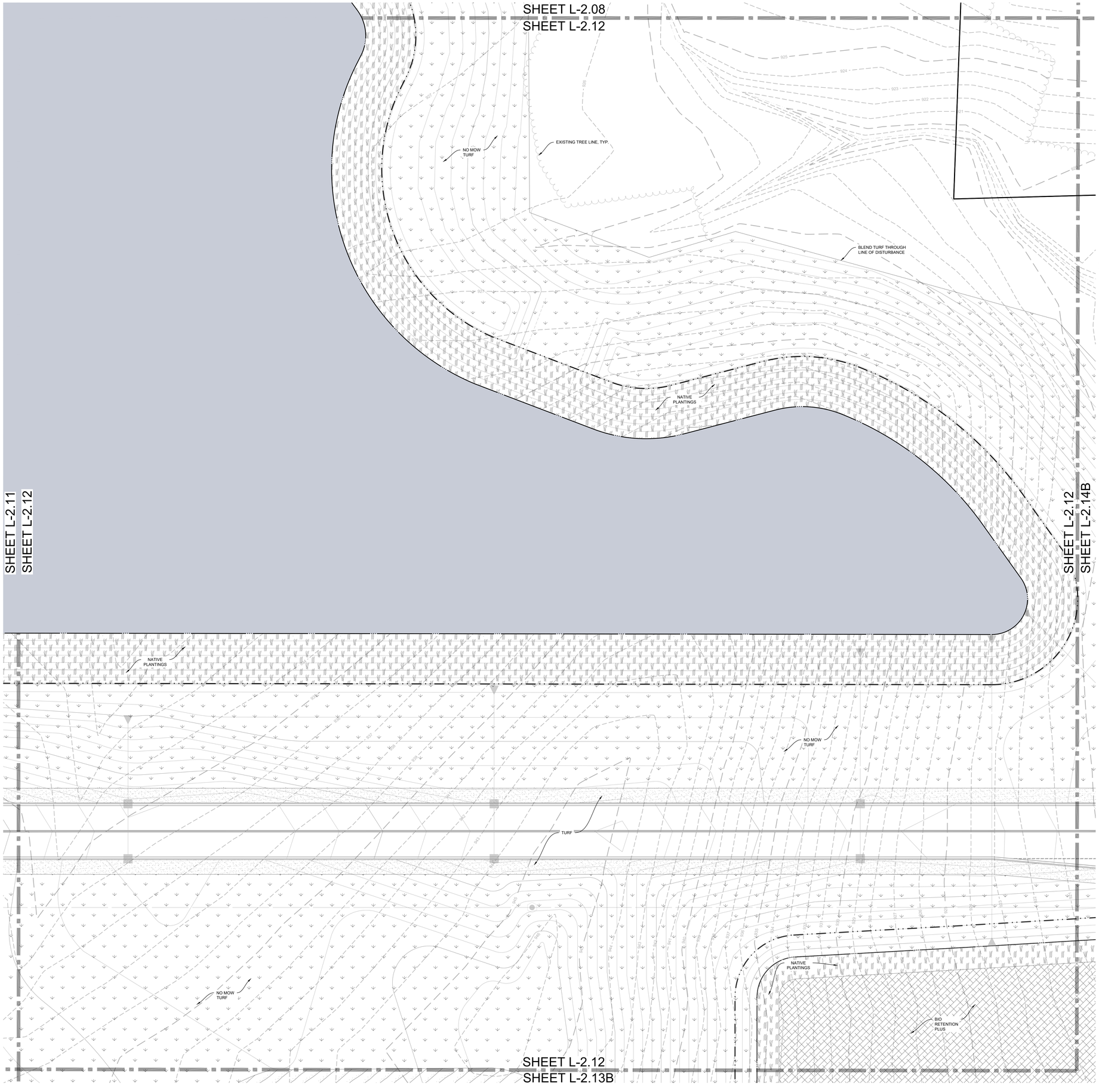
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LANDSCAPE PLAN ENLARGEMENT

L2.11



PLANT KEY

TREES	BOTANICAL NAME	COMMON NAME
	CLIMAX TREE	
	Acer saccharum	Sugar Maple
	Carya ovata	Shagbark Hickory
	Ginkgo biloba	Maidenhair Tree
	Juglans nigra	Black Walnut
	TALL EVERGREEN TREE	
	Abies concolor	White Fir
	Picea abies	Norway Spruce
	Pinus strobus	Eastern White Pine
	TALL DECIDUOUS TREE	
	Acer freemanii `Autumn Fantasy`	Autumn Fantasy Maple
	Acer saccharum `Flax Mill Majesty`	Flax Mill Majesty Maple
	Celtis occidentalis `Prairie Pride`	Prairie Pride Hackberry
	Gleditsia triacanthos inermis `Shademaster`	Shademaster Locust
	Gymnocladus dioica	Kentucky Coffee Tree
	Quercus x schuetti	Swamp Bur Oak
	Salix x sepulcralis `Tristis`	Golden Weeping Willow
	Tilia tomentosa `Sterling`	Sterling Silver Linden
	Ulmus x `New Horizon`	New Horizon Elm
	MEDIUM EVERGREEN TREE	
	Picea glauca `Densata`	Black Hills Spruce
	Thuja occidentalis `Techny`	Techny Arborvitae
	MEDIUM DECIDUOUS TREE	
	Acer rubrum `Red Sunset`	Red Sunset Maple
	Aesculus x carnea `Briotii`	Briotii Red Horsechestnut
	Betula nigra `Heritage`	Heritage River Birch
	Corylus colurna	Turkish Filbert
	Maackia amurensis	Amur Maackia
	Tilia cordata `Greenspire`	Greenspire Littleleaf Linden
	LOW DECIDUOUS TREE	
	Amelanchier x grandiflora `Autumn Brilliance`	Autumn Brilliance Serviceberry
	Cercis canadensis	Eastern Redbud
	Crataegus crus-galli inermis	Thornless Cockspur Hawthorn
	Ginkgo biloba 'Magyar'	Magya Ginkgo
	Malus x `Prairie Maid`	Prairie Maid Crabapple
	Malus x `Profusion`	Profusion Crabapple
	Malus x `Royal Raindrops`	Royal Raindrops Crabapple MS
	Malus x `Sugar Tyme`	Sugar Tyme Crabapple
	Malus x `Zumi`	Redbud Crab Apple
	Pyrus calleryana `Autumn Blaze`	Autumn Blaze Pear
	Syringa reticulata `Ivory Silk`	Ivory Silk Tree Lilac

SHRUBS	BOTANICAL NAME	COMMON NAME
	LOW EVERGREEN TREES	
	Juniperus chinensis `J.N. Select Blue`	Star Power Juniper
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	Thuja occidentalis `BailJohn`	Technito Arborvitae
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	Thuja occidentalis `Nigra`	Dark Green Arborvitae
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	Juniperus chinensis `Old Gold`	Old Gold Juniper
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	Picea abies `Pumila`	Pumila Spruce
	Taxus x media `Densiformis`	Dense Yew
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	MEDIUM DECIDUOUS SHRUB	
	Aronia melanocarpa `Elata`	Glossy Black Chokeberry
	Hydrangea p `Vanilla Strawberry`	Vanilla Strawberry Hydrangea
	Hydrangea quercifolia 'Ruby Slippers'	Ruby Slippers Hydrangea
	Ilex verticillata `Jim Dandy`	Jim Dandy Winterberry
	Ilex verticillata `Red Sprite`	Red Sprite Winterberry
	Physocarpus opulifolius 'Seward'	Summer Wine Ninebark
	Rosa rugosa `Purple Pavement`	Purple Pavement Rugosa Rose
	Sambucus nigra `Black Lace`	Black Lace Elderberry
	Syringa meyeri `Palibin`	Dwarf Korean Lilac
	Weigela florida 'Alexandra' TM	Wine & Roses Weigela
	SMALL EVERGREEN SHRUB	
	Juniperus procumbens `Nana`	Dwarf Japanese Juniper
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	Pinus mugo `Slowmound`	Slowmound Mugo Pine
	SMALL DECIDUOUS SHRUB	
	Cornus stolonifera `Arctic Fire`	Arctic Fire Dogwood
	Diervilla lonicera `Kodiak Orange`	Kodiak Orange Diervilla
	Rosa x `Radtko`	Double Knock Out Rose
	Spiraea japonica `Anthony Waterer`	Anthony Waterer Spiraea
	LOW DECIDUOUS SHRUB	
	Hydrangea paniculata `Bobo`	Bobo Hydrangea
	Itea virginica `Little Henry`	Little Henry Sweetspire
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	SMALL ORNAMENTAL GRASS	
	Deschampsia cespitosa	Tufted Hair Grass
	Eragrostis spectabilis	Purple Love Grass
	Hystrix patula	Bottlebrush Grass
	Sporobolus heterolepis `Tara`	Prairie Dropseed

SHRUB AREAS	BOTANICAL NAME	COMMON NAME
	PERENNIALS	

GROUND COVERS	BOTANICAL NAME	COMMON NAME
	BIO RETENTION PLUG MIX	VARIETY
	Native Plantings	AGRECOL RAINWATER RENEWAL MIX
	Prairie	AGRECOL ECONOMY PRAIRIE MIX
	Turf Hydroseed	Reinders - Cadet 70/30 Fescue/Blue Mix
	Turf Hydroseed Low Grow	Reinders No Mow/Low Grow Mix

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 20' 40'

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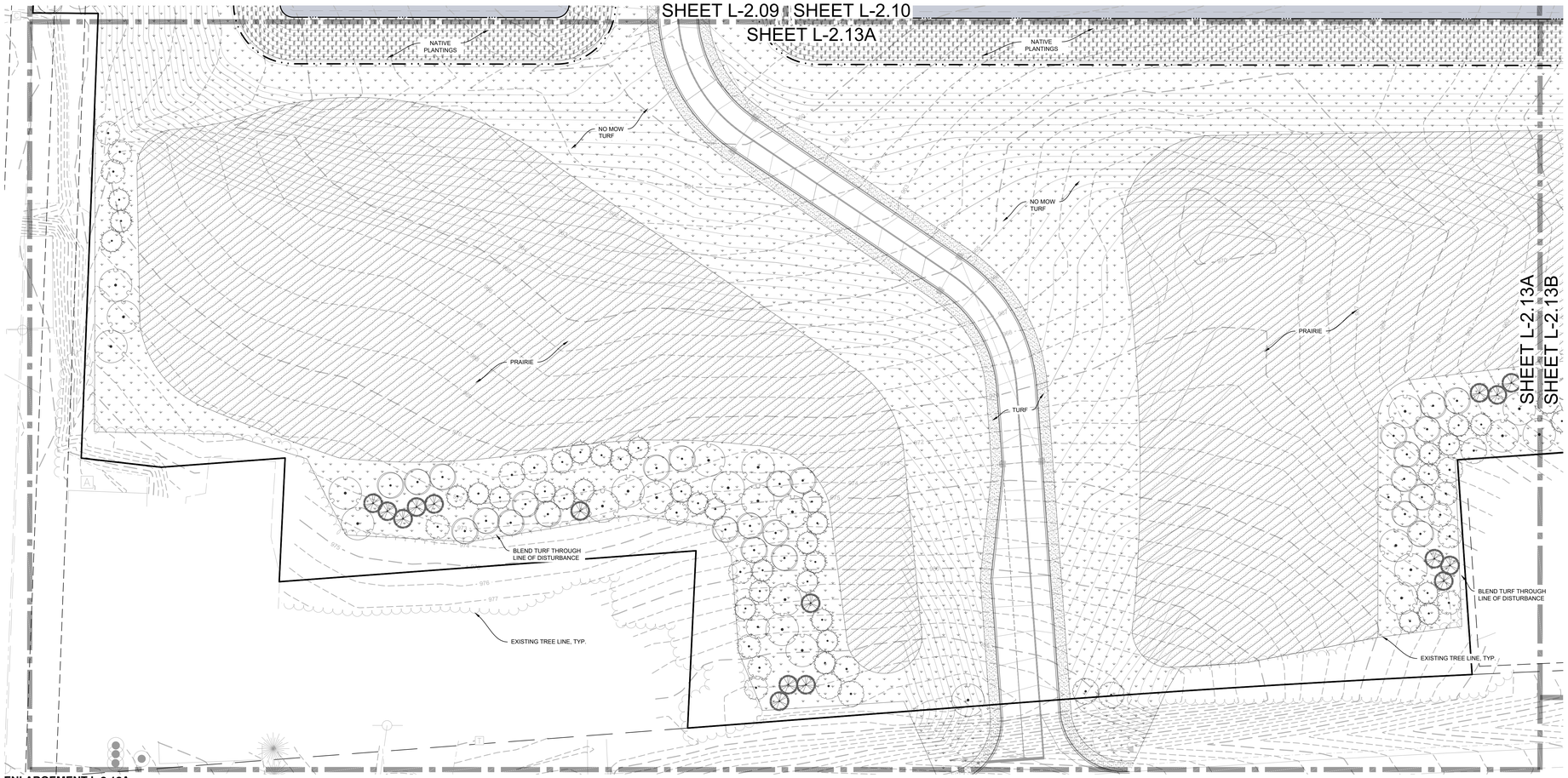
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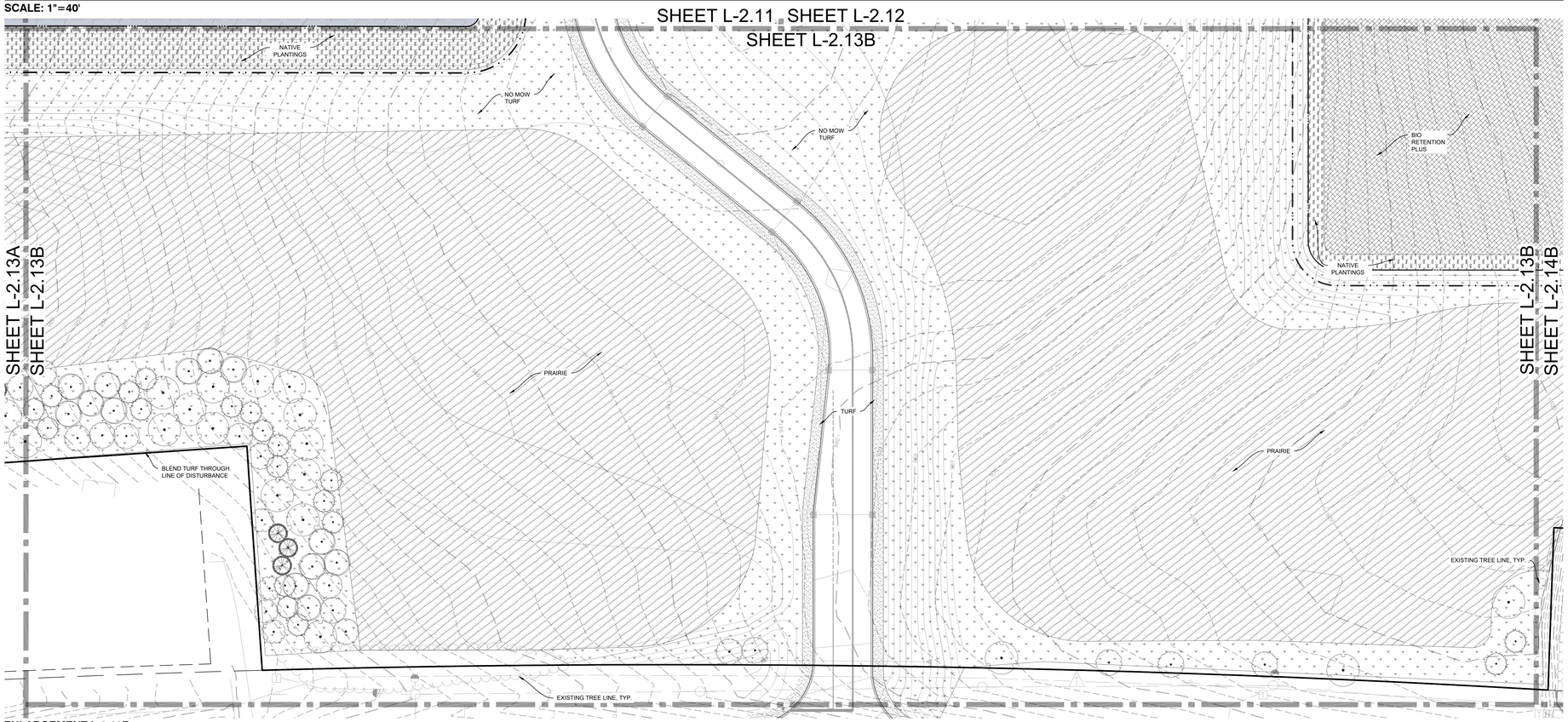
LANDSCAPE PLAN ENLARGEMENT

L2.12



ENLARGEMENT L-2.13A

SCALE: 1"=40'



ENLARGEMENT L-2.13B

SCALE: 1"=40'

PLANT KEY

TREES	BOTANICAL NAME	COMMON NAME
	CLIMAX TREE	
	Acer saccharum	Sugar Maple
	Carya ovata	Shagbark Hickory
	Ginkgo biloba	Maidenhair Tree
	Juglans nigra	Black Walnut
	TALL EVERGREEN TREE	
	Abies concolor	White Fir
	Picea abies	Norway Spruce
	Pinus strobus	Eastern White Pine
	TALL DECIDUOUS TREE	
	Acer freemanii `Autumn Fantasy`	Autumn Fantasy Maple
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	Celtis occidentalis `Prairie Pride`	Prairie Pride Hackberry
	Gleditsia triacanthos inermis `Shademaster`	Shademaster Locust
	Gymnocladus dioica	Kentucky Coffee Tree
	Quercus x schuetti	Swamp Bur Oak
	Salix x sepulcralis `Tristis`	Golden Weeping Willow
	Tilia tomentosa `Sterling`	Sterling Silver Linden
	Ulmus x `New Horizon`	New Horizon Elm
	MEDIUM EVERGREEN TREE	
	Picea glauca `Densata`	Black Hills Spruce
	Thuja occidentalis `Techny`	Techny Arborvitae
	MEDIUM DECIDUOUS TREE	
	Acer rubrum `Red Sunset`	Red Sunset Maple
	Aesculus x carnea `Briotii`	Briotii Red Horsechestnut
	Betula nigra `Heritage`	Heritage River Birch
	Corylus colurna	Turkish Filbert
	Maackia amurensis	Amur Maackia
	Tilia cordata `Greenspire`	Greenspire Littleleaf Linden
	LOW DECIDUOUS TREE	
	Amelanchier x grandiflora `Autumn Brilliance`	Autumn Brilliance Serviceberry
	Cercis canadensis	Eastern Redbud
	Crataegus crus-galli inermis	Thornless Cockspur Hawthorn
	Ginkgo biloba 'Magyar'	Magya Ginkgo
	Malus x `Prairie Maid`	Prairie Maid Crabapple
	Malus x `Profusion`	Profusion Crabapple
	Malus x `Royal Raindrops`	Royal Raindrops Crabapple MS
	Malus x `Sugar Tyme`	Sugar Tyme Crabapple
	Malus x `Zumi`	Redbud Crab Apple
	Pyrus calleryana `Autumn Blaze`	Autumn Blaze Pear
	Syringa reticulata `Ivory Silk`	Ivory Silk Tree Lilac

SHRUBS	BOTANICAL NAME	COMMON NAME
	LOW EVERGREEN TREES	
	Juniperus chinensis `J.N. Select Blue`	Star Power Juniper
	Juniperus chinensis `Mountbatten`	Mountbatten Juniper
	Thuja occidentalis `BailJohn`	Technito Arborvitae
	Thuja occidentalis `Holmstrup`	Holmstrup Cedar
	Thuja occidentalis `Nigra`	Dark Green Arborvitae
	MEDIUM EVERGREEN SHRUB	
	Juniperus chinensis `Old Gold`	Old Gold Juniper
	Juniperus chinensis `Pfitzeriana Kallays`	Kallay Compact Juniper
	Juniperus chinensis `Sea Green`	Sea Green Juniper
	Juniperus virginiana `Grey Owl`	Eastern Redcedar Juniper
	Picea abies `Pumila`	Pumila Spruce
	Taxus x media `Densiformis`	Dense Yew
	Taxus x media `Tauntonii`	Tauton Yew
	MEDIUM DECIDUOUS SHRUB	
	Aronia melanocarpa `Elata`	Glossy Black Chokeberry
	Hydrangea p `Vanilla Strawberry`	Vanilla Strawberry Hydrangea
	Hydrangea quercifolia 'Ruby Slippers'	Ruby Slippers Hydrangea
	Ilex verticillata `Jim Dandy`	Jim Dandy Winterberry
	Ilex verticillata `Red Sprite`	Red Sprite Winterberry
	Physocarpus opulifolius 'Seward'	Summer Wine Ninebark
	Rosa rugosa `Purple Pavement`	Purple Pavement Rugosa Rose
	Sambucus nigra `Black Lace`	Black Lace Elderberry
	Syringa meyeri `Palibin`	Dwarf Korean Lilac
	Weigela florida 'Alexandra' TM	Wine & Roses Weigela
	SMALL EVERGREEN SHRUB	
	Juniperus procumbens `Nana`	Dwarf Japanese Juniper
	Picea abies `Pumila`	Pumila Spruce
	Pinus mugo `Slowmound`	Slowmound Mugo Pine
	SMALL DECIDUOUS SHRUB	
	Cornus stolonifera `Arctic Fire`	Arctic Fire Dogwood
	Diervilla lonicera `Kodiak Orange`	Kodiak Orange Diervilla
	Rosa x `Radtko`	Double Knock Out Rose
	Spiraea japonica `Anthony Waterer`	Anthony Waterer Spiraea
	LOW DECIDUOUS SHRUB	
	Hydrangea paniculata `Bobo`	Bobo Hydrangea
	Itea virginica `Little Henry`	Little Henry Sweetspire
	Spiraea japonica `Magic Carpet`	Magic Carpet Spirea
	LOW EVERGREEN SHRUBS	
	Juniperus horizontalis `Youngstown`	Andorra Juniper
	Juniperus sabina `Buffalo`	Buffalo Juniper
	Taxus x media `Everlow`	Everlow Yew
	ORNAMENTAL GRASS	
	Andropogon gerardii `Dancing Wind`	Dancing Wind Big Blue Stem
	Calamagrostis x a `Karl Foerster`	Karl Foerster Reed Grass
	Calamagrostis x a `Overdam`	Overdam Reed Grass
	Miscanthus sinensis `Oktoberfest`	Oktoberfest Miscanthus
	Panicum virgatum `Northwind`	Northwind Switch Grass
	Schizachyrium scoparium `Blue Heaven`	Blue Heaven Little Bluestem Grass
	SMALL ORNAMENTAL GRASS	
	Deschampsia cespitosa	Tufted Hair Grass
	Eragrostis spectabilis	Purple Love Grass
	Hystrix patula	Bottlebrush Grass
	Sporobolus heterolepis `Tara`	Prairie Dropseed

SHRUB AREAS	BOTANICAL NAME	COMMON NAME
	PERENNIALS	

GROUND COVERS	BOTANICAL NAME	COMMON NAME
	BIO RETENTION PLUG MIX	VARIETY
	Native Plantings	AGRECOL RAINWATER RENEWAL MIX
	Prairie	AGRECOL ECONOMY PRAIRIE MIX
	Turf Hydroseed	Reinders - Cadet 70/30 Fescue/Blue Mix
	Turf Hydroseed Low Grow	Reinders No Mow/Low Grow Mix

NORTH

GRAPHICAL SCALE (FEET)

0 1" = 40' 80'

M+H ARCHITECTS

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PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

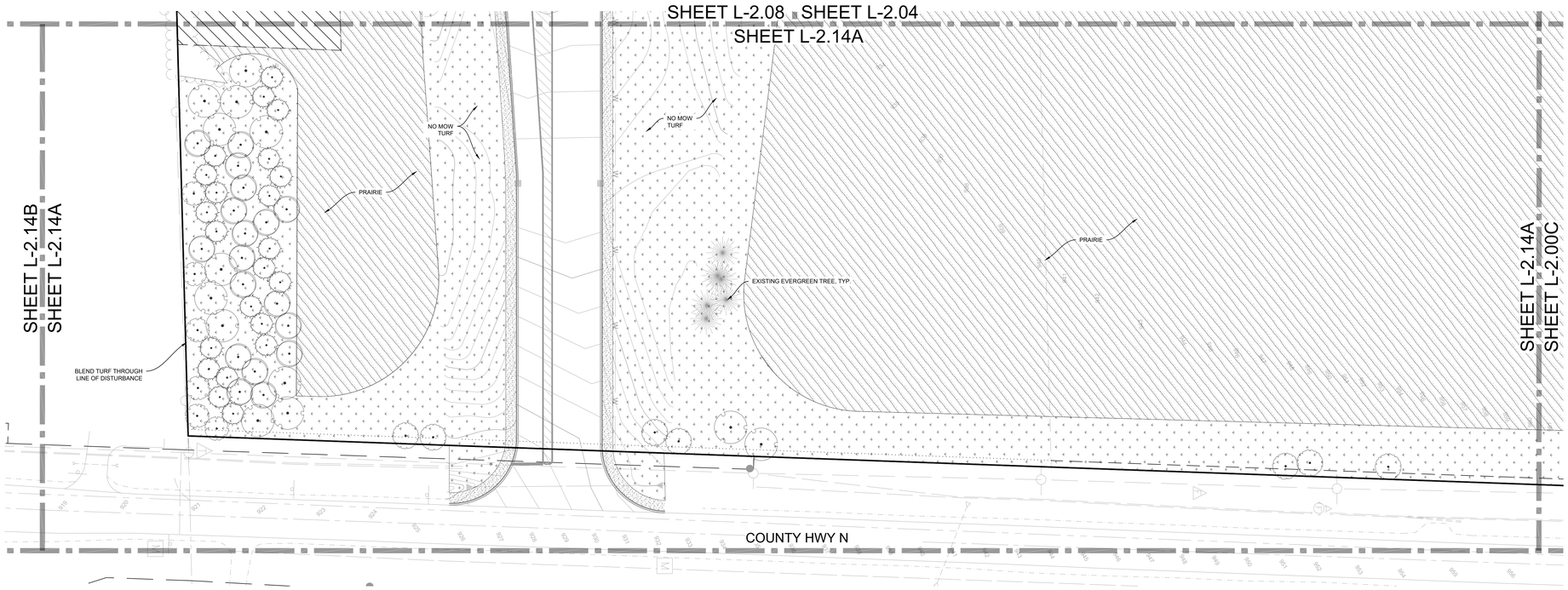
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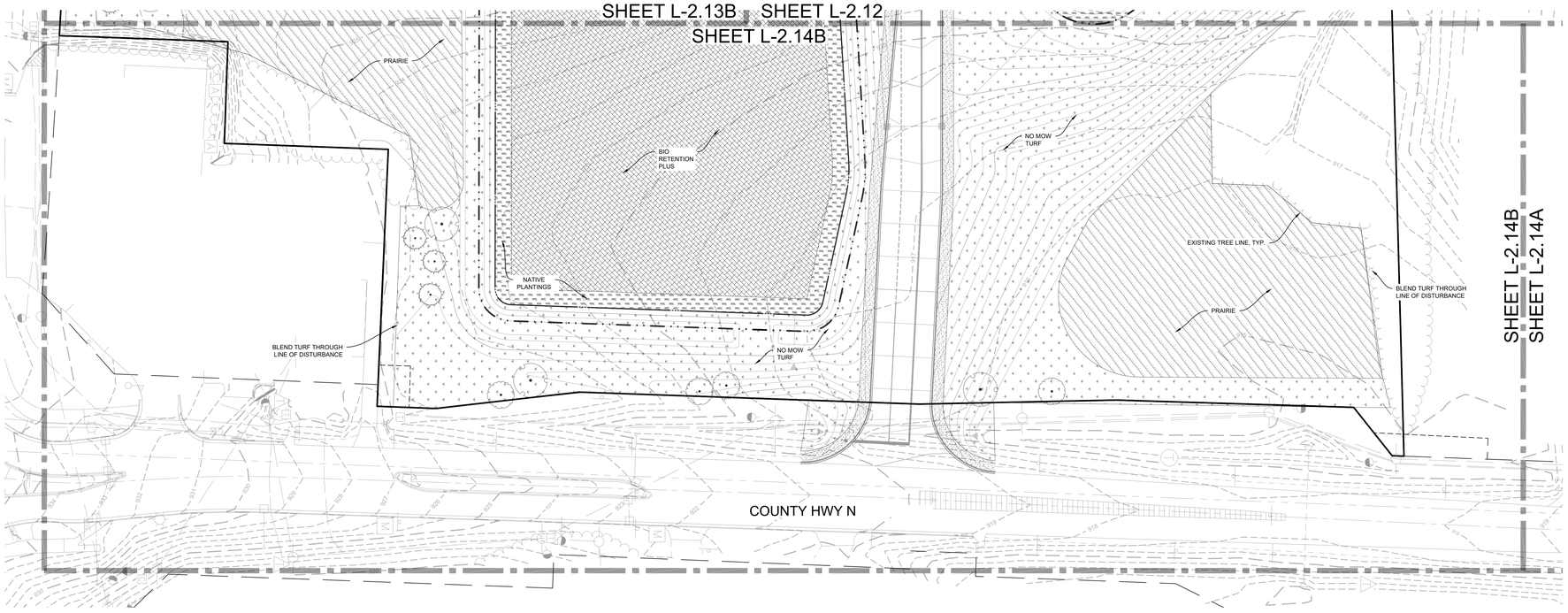
LANDSCAPE PLAN ENLARGEMENT

L2.13



ENLARGEMENT L-2.14A

SCALE: 1"=40'



ENLARGEMENT L-2.14B

SCALE: 1"=40'

PLANT KEY

TREES	BOTANICAL NAME	COMMON NAME
	CLIMAX TREE	
	Acer saccharum	Sugar Maple
	Carya ovata	Shagbark Hickory
	Ginkgo biloba	Maidenhair Tree
	Juglans nigra	Black Walnut
	TALL EVERGREEN TREE	
	Abies concolor	White Fir
	Picea abies	Norway Spruce
	Pinus strobus	Eastern White Pine
	TALL DECIDUOUS TREE	
	Acer freemanii `Autumn Fantasy`	Autumn Fantasy Maple
	Acer saccharum `Flax Mill Majesty`	Flax Mill Majesty Maple
	Celtis occidentalis `Prairie Pride`	Prairie Pride Hackberry
	Gleditsia triacanthos inermis `Shademaster`	Shademaster Locust
	Gymnocladus dioica	Kentucky Coffee Tree
	Quercus x schuetti	Swamp Bur Oak
	Salix x sepulcralis `Tristis`	Golden Weeping Willow
	Tilia tomentosa `Sterling`	Sterling Silver Linden
	Ulmus x `New Horizon`	New Horizon Elm
	MEDIUM EVERGREEN TREE	
	Picea glauca `Densata`	Black Hills Spruce
	Thuja occidentalis `Techny`	Techny Arborvitae
	MEDIUM DECIDUOUS TREE	
	Acer rubrum `Red Sunset`	Red Sunset Maple
	Aesculus x carnea `Briotii`	Briotii Red Horsechestnut
	Betula nigra `Heritage`	Heritage River Birch
	Corylus colurna	Turkish Filbert
	Maackia amurensis	Amur Maackia
	Tilia cordata `Greenspire`	Greenspire Littleleaf Linden
	LOW DECIDUOUS TREE	
	Amelanchier x grandiflora `Autumn Brilliance`	Autumn Brilliance Serviceberry
	Cercis canadensis	Eastern Redbud
	Crataegus crus-galli inermis	Thornless Cockspur Hawthorn
	Ginkgo biloba 'Magyar'	Magya Ginkgo
	Malus x `Prairie Maid`	Prairie Maid Crabapple
	Malus x `Profusion`	Profusion Crabapple
	Malus x `Royal Raindrops`	Royal Raindrops Crabapple MS
	Malus x `Sugar Tyme`	Sugar Tyme Crabapple
	Malus x `Zumi`	Redbud Crab Apple
	Pyrus calleryana `Autumn Blaze`	Autumn Blaze Pear
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NORTH

GRAPHICAL SCALE (FEET)

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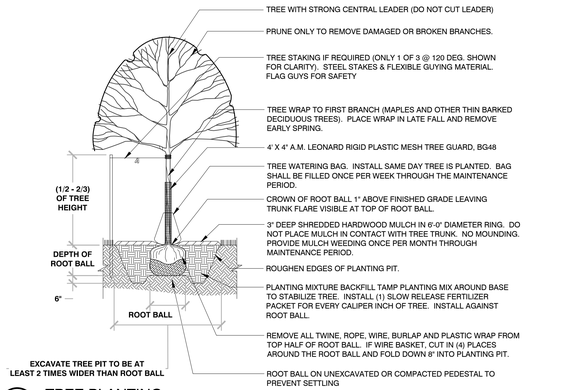
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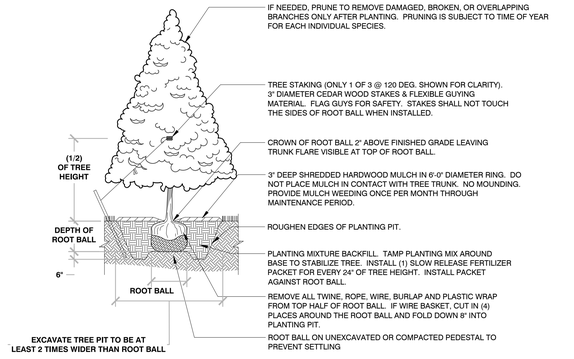
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LANDSCAPE PLAN ENLARGEMENT

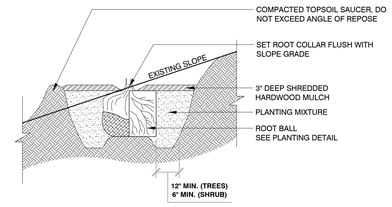
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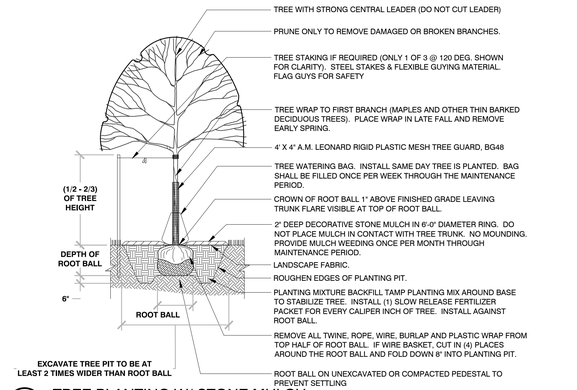
1 TREE PLANTING
1/4" = 1'-0" 329343-01



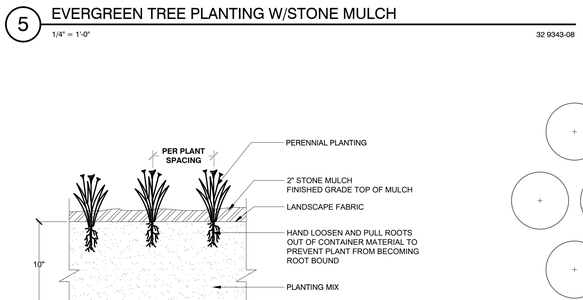
2 EVERGREEN TREE PLANTING
1/4" = 1'-0" 329343-03



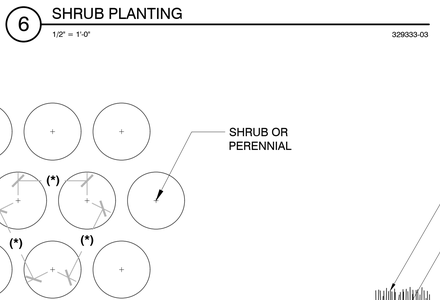
3 TREE PLANTING ON SLOPE
3/8" = 1'-0" 329343-02



4 TREE PLANTING W/ STONE MULCH
1/4" = 1'-0" 32 9343-04

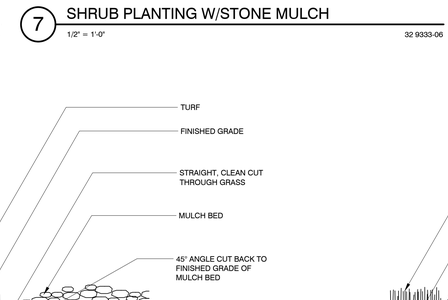


5 EVERGREEN TREE PLANTING W/STONE MULCH
1/4" = 1'-0" 32 9343-08



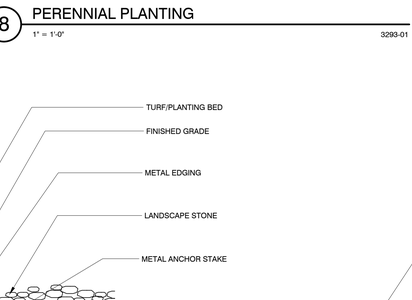
BAREROOT PLANTING NOTES:
1. SOAK ROOTS IN WATER FOR AT LEAST ONE HOUR BUT NOT MORE THAN 24 HOURS PRIOR TO PLANTING.
2. SCARIFY SIDES AND BOTTOMS OF HOLE.
3. PROCEED WITH CORRECTIVE PRUNING OF THE TOP AND BOTTOM ROOTS.
4. TRANSFER PLANT DIRECTLY FROM WATER TO HOLE. SET PLANT SO THE ROOT FLARE IS APPROXIMATELY AT THE FINISHED SOIL ELEVATION. SPREAD ROOTS OUT EVENLY. PLUMB AND IMMEDIATELY BACKFILL WITH PLANTING SOIL MIX.
5. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANTS AND FILL VOIDS.
6. BACKFILL VOIDS AND WATER SECOND TIME.
7. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

6 SHRUB PLANTING
1/2" = 1'-0" 329333-03

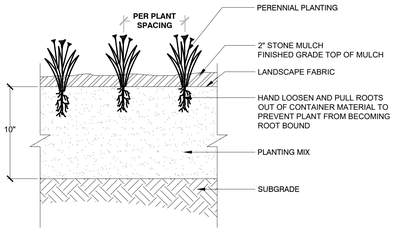


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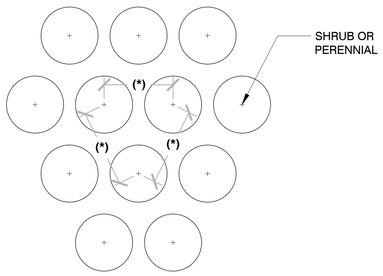
7 SHRUB PLANTING W/STONE MULCH
1/2" = 1'-0" 32 9333-06



8 PERENNIAL PLANTING
1" = 1'-0" 3293-01

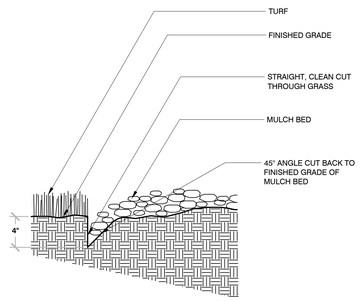


9 PERENNIAL PLANTING W/STONE MULCH
1" = 1'-0" 32 93-11

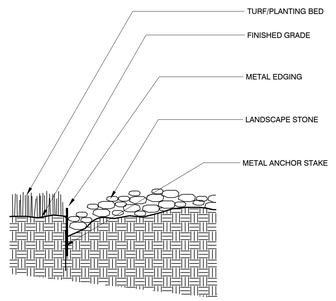


(*) = SPECIFIED PLANT SPACING PER PLANTING LIST

10 PLANT SPACING
3/4" = 1'-0" 3293-02

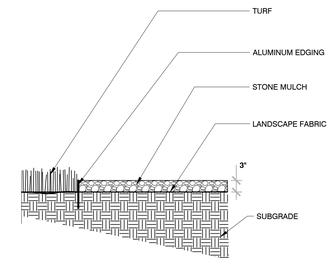


11 TRENCHED BED EDGE
3/4" = 1'-0" 3293-03



NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

12 METAL BED EDGE
NTS 32 9413-10



13 STONE MULCH ALONG TURF
3/4" = 1'-0" 32 9413-04

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LANDSCAPE DETAILS

L3.00

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. MUTLI-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 NURSERYMEN'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 ⅔ 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. AREAS THAT CALL FOR STONE MULCH SHALL RECEIVE LANDSCAPE FABRIC WITH 2" DEEP RIVERSTONE MULCH. REFER TO DETAILS (13/ L3.00). CONTRACTOR TO PROVIDE LANDSCAPE FABRIC, EDGING AND MULCH SPECIFICATIONS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. LANDSCAPE FABRIC SHALL BE INSTALLED TO COVER THE ENTIRE AREA TO RECEIVE STONE MULCH WITH EACH SEAM OVERLAPPING A MINIMUM OF 6". LANDSCAPE EDGING SHALL BE INSTALLED BETWEEN STONE MULCH AND ADJACENT LANDSCAPE.
18. A 2' WIDE STONE MAINTENANCE STRIP SHALL BE PROVIDED BETWEEN ANY TURF AREAS AND BUILDING FOUNDATION. REFER TO DETAIL (13/ L3.00). CONTRACTOR TO PROVIDE STONE, LANDSCAPE FABRIC & EDGING SPECIFICATIONS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
18. ALL PLANTING BEDS LOCATED WITHIN THE LANDSCAPE AREAS ADJACENT TO THE BUILDING AND THOSE WITHIN PARKING AREAS SHALL BE MULCHED WITH 2" STONE MULCH. ALL TREES PLANTED IN TURF WITHIN THESE AREAS SHALL RECEIVE A 2" DEEP STONE MULCHED RING AS SHOWN IN PLANTING DETAILS.
19. ALL REMAINING PLANTING BEDS SHALL BE MULCHED WITH 3" DEEP SHREDDED HARDWOOD MULCH, AND ALL REMAINING TREES PLANTED IN TURF AREAS SHALL RECEIVE A 3" DEEP SHREDDED HARDWOOD MULCHED RING AS SHOWN IN PLANTING DETAILS.
20. ALL PLANTING BEDS AND TREE RINGS NOT RECEIVING STONE MULCH 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.
21. 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.
22. 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).
23. 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 RESEEDED AT THE CONTRACTORS EXPENSE TO OBTAIN A DENSE, UNIFORM LAWN.
24. ALL FINISH GRADING AND LAWN AREAS TO BE INSTALLED BY LANDSCAPE CONTRACTOR.
25. ALL DISTURBED AREAS WITHIN THE PROJECT SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
26. ALL DISTURBED AREAS OUTSIDE THE LIMITS OF WORK SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER.
27. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, INCLUDING ANY IRRIGATION LINES, PRIOR TO DIGGING. CONSULT DIGGERS HOTLINE.
28. TREES SHALL BE INSTALLED NO CLOSER THAN:
    - -10 FEET FROM ANY FIRE HYDRANT
    - - 7 FEET FROM STORM SEWER, SANITARY SEWER LATERALS, AND WATER SERVICE
29. 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
30. THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, FEES, AND LICENSES NECESSARY FOR THE INSTALLATION OF THIS PLAN.
31. 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.
32. 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.
32. THE CONTRACTOR SHALL PROVIDE AND INSTALL AN IRRIGATION SYSTEM FOR THE SITE. THE IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED PER INDUSTRY STANDARDS. IRRIGATION SYSTEM SHALL BE INSTALLED IN LANDSCAPE AREAS ADJACENT TO BUILDING AND IN PARKING LOT LANDSCAPE ISLANDS.
33. 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.
34. 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 EXTRANEOUS 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 & PLUG PLANTINGS

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

PRIOR TO SEEDING/PLUG PLANTING:

A. ALL WEEDS AND EXISTING VEGETATION SHALL BE REMOVED. EXISTING VEGETATION SHALL BE TREATED WITH GLYPHOPHATE 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 ¼ -INCH TO ½ -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.

NATIVE PLUGS INSTALLATION

INSTALLATION OF PLUGS SHOULD OCCUR ON A CLOUDY, COOL DAY IN EITHER THE MORNING OR AFTERNOON. PLANTING SHOULD ALSO OCCUR AS EARLY IN THE SEASON AS POSSIBLE ONCE THE RISK OF FREEZING HAS PASSED.

IF INSTALLING PLUGS IN COMBINATION WITH SEEDING, INSTALL PLUGS AFTER SEED HAS BEEN PLACED. INSTALL PLUGS PRIOR TO PLACEMENT OF STRAW MULCH EXCEPT WHERE AN EROSION CONTROL BLANKET WILL BE UTILIZED. ENSURE THAT NEWLY PLANTED PLUGS HAVE ADEQUATE STRAW MULCH COVERAGE FOLLOWING INSTALLATION.

A. DIG A HOLE IN YOUR FRESHLY WORKED SOIL ABOUT TWICE THE DIAMETER AND THE SAME HEIGHT OF THE ROOT BALL OF THE PLANT. PUT THE SOIL ASIDE TO FILL THE HOLE BACK IN LATER. GENTLY REMOVE THE PLANT FROM ITS CONTAINER, AND BRUSH YOUR HAND OVER THE ROOT BALL TO STIMULATE THE ROOTS.
B. PLACE THE PLANT IN THE HOLE. PLACE THE ROOTS AT THE PROPER LEVEL SO THAT THE PLANTS ROOTS AREN'T EXPOSED AND THE FOLIAGE OF LOW-LYING PLANTS DOESN'T GET TOO WET. FILL THE HOLE ABOUT HALF-WAY WITH THE ORIGINAL SOIL. GENTLY PACK THE SOIL TO REMOVE ANY TRAPPED AIR. WATER PLANT THOROUGHLY.
C. FINISH FILLING IN WITH SOIL AROUND THE PLANT, GENTLY PACK, AND WATER THOROUGHLY AGAIN.
D. COVER THE BASE OF THE PLANT WITH 1" OF STRAW MULCH.
E. AFTER PLANTING, KEEP YOUR PLANTS WELL WATERED FOR THE FIRST YEAR UNTIL THEY ESTABLISH A GOOD ROOT SYSTEM.

NATIVE PLANTINGS MAINTENANCE:

WEED SUPPRESSION MEASURES:

1st YEAR - PERFORM SPOT SPRAY WITH HERBICIDE TO SUPPRESS WEEDS. THIS SHOULD OCCUR APPROXIMATELY EVERY MONTH OF THE GROWING SEASON AFTER NATIVE PLANTINGS HAVE BEEN ROUGH GRADED.

2nd YEAR - IN MAY/JUNE MOW NATIVE PLANTINGS AT 6" HEIGHT TO SUPPRESS THE WEEDS. PERFORM SPOT SPRAY WITH HERBICIDE TO SUPPRESS WEEDS. HAVE PROFESSIONAL ASSESS PLANTINGS. REPEAT MOWING NATIVE PLANTINGS AND SPOT-SPRAY IN EARLY JULY.

3rd YEAR - IN MAY/JUNE MOW NATIVE PLANTINGS AT 8" HEIGHT TO SUPPRESS THE WEEDS. PERFORM SPOT SPRAY WITH HERBICIDE TO SUPPRESS WEEDS.

4th YEAR - IN MAY PERFORM A PRESCRIBED BURN. IN JUNE HAVE A QUALIFIED PROFESSIONAL ASSESS PLANTINGS. IF A PRESCRIBED BURN CAN NOT BE UTILIZED, NATIVE PLANTINGS SHALL BE CUT TO THE GROUND AND ALL CUT MATERIAL SHALL BE REMOVED AND DISPOSED OF OFF SITE.

CODE	LANDSCAPE IMPROVEMENT TABLE	REQUIRED	PROVIDED
PER CODE	TOTAL POINTS	11,226	23,127
325-59-A	BUILDING FOUNDATIONS 4,031 ft • POINTS (4031/100) X 30	1,210	1,250
325-59-B	DEVELOPED LOT 649,752 sq ft BUFFER AREAS AND ALL AREAS NOT INCLUDED IN OTHER CODE SECTIONS • POINTS (649752/1000) X10	6,498	13,235
325-59-C	STREET FRONTAGE 3,665 ft • EXISTING VEGETATED FRONTAGE 510 ft • UNVEGETATED STREET FRONTAGE 3,155 ft • POINTS (3155/100) X 30 CLIMAX TREES MEDIUM TREES	N/A 947 MIN. 50% MIN. 30%	 960 675 285
325-59-D	PAVED AREAS 1,714 STALLS • POINTS (1714/20) X 30 TREES SHRUBS	2,571 MIN. 30% MIN. 40%	7682 5970 1712

NOTES

- BUILDING FOUNDATION PLANTINGS ARE NOT ALL ABLE TO BE LOCATED WITHIN 10 FT OF BUILDING FOUNDATIONS. DUE TO LACK OF AVAILABLE PLANTING AREAS IMMEDIATELY ADJACENT TO BUILDING FOUNDATION.
- EXTRA EMPHASIS HAS BEEN PLACED ON PLANTING AVAILABLE AREA BETWEEN THE BUILDING AND 40 FT OUT FROM BUILDING, THESE AREAS HAVE BEEN COUNTED TOWARD THE BUILDING FOUNDATION REQUIREMENTS.

325-62	BUFFER AREAS		
AREA 1 OPACITY 1	• EXISTING VEGETATED BUFFER 555 ft • NEW BUFFER 360 ft POINTS (360/100) X 636	N/A 2290	 2305
AREA 2 OPACITY 0.1	• EXISTING VEGETATED BUFFER 0 ft • NEW BUFFER 580 ft POINTS (580/100) X 62	N/A 315	 350
AREA 3 OPACITY 1	• EXISTING VEGETATED BUFFER 0 ft • NEW BUFFER 556 ft POINTS (556/100) X 636	N/A 3536	 3540
AREA 4 OPACITY 1	• EXISTING VEGETATED BUFFER 0 ft • NEW BUFFER 445 ft POINTS (445/100) X 636	N/A 2830	 2830
AREA 5 OPACITY 0.1	• EXISTING VEGETATED BUFFER 0 ft • NEW BUFFER 583 ft POINTS (583/100) X 62	N/A 362	 375
AREA 6 OPACITY 1	• EXISTING VEGETATED BUFFER 0 ft • NEW BUFFER 600 ft POINTS (600/100) X 636	N/A 3816	 3825

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PROJECT SILVER EAGLE

INTERSECTION OF HIGHWAY N & HIGHWAY TT
VILLAGE OF COTTAGE GROVE, WI

PROGRESS PRINT
NOT FOR
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LANDSCAPE GENERAL NOTES

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