LEGEND			
	EXISTING	PROPOSED	
SANITARY SEWER MANHOLE	$\odot$	۲	
STORM SEWER MANHOLE	Ø	•	
STORM SEWER CATCH BASIN (ROUND CASTING)	0	•	
STORM SEWER CATCH BASIN (RECTANGULAR CASTING)	) []		
PRECAST FLARED END SECTION	$\triangleleft$	_	
CONCRETE HEADWALL	$\zeta$	Ć	
VALVE BOX	E		
FIRE HYDRANT	ď		
CLEANOUT	D		
SANITARY SEWER -			
FORCE MAIN —			
STORM SEWER —	)	)	
DRAIN TILE —		))	
WATER MAIN —	w	w	
FIRE PROTECTION		—— FP ——	
UTILITY CROSSING			
GRANULAR TRENCH BACKFILL			
LIGHTING	-X	•	
ELECTRICAL CABLE –	—— E——	IEI	
OVERHEAD WIRES -	OHW		
GAS MAIN -	G	——IGI———	
TELEPHONE LINE —	T	ITI	
CAUTION EXISTING UTILITIES NEARBY			
ELECTRICAL TRANSFORMER OR PEDESTAL	E		
POWER POLE	-0-	-•-	
POWER POLE WITH LIGHT	$\succcurlyeq$	$\times$	
GUY WIRE	-0		
STREET SIGN	þ	Þ	
CONTOUR	,749	749	
SPOT ELEVATION	×(750.00)	<del>\$</del> 750.00	
WETLANDS -			
PRIMARY ENVIRONMENTAL CORRIDOR -	PEC		
FLOODWAY -	<u> </u>		
FLOODPLAIN -			
HIGH WATER LEVEL (HWL) -	• • • •		
NORMAL WATER LEVEL (NWL) -	- • • •		
DIRECTION OF SURFACE FLOW		GRASS PAVEMENT	
DITCH OR SWALE -			
DIVERSION SWALE			
OVERFLOW RELIEF ROUTING	$\Box$		
TREE WITH TRUNK SIZE	<b>★</b> <sup>6</sup> " ( <sup>6</sup> "	·	
SOIL BORING			
TOPSOIL PROBE			
FENCE LINE, TEMPORARY SILT –	SF	SF	
FENCE LINE, WIRE —			
FENCE LINE, CHAIN LINK OR IRON –	O	o	
FENCE LINE, WOOD OR PLASTIC –			
CONCRETE SIDEWALK			
CURB AND GUTTER ==			
DEPRESSED CURB ==			
REVERSE PITCH CURB & GUTTER		+++++++++++++++++++++++++++++++++++++++	
EASEMENT LINE -			
RETAINING WALL			

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

### PLAN I DESIGN I DELIVER www.pinnacle-engr.com

WISCONSIN OFFICE: PINNACLE ENGINEERING GROUP

15850 W. BLUEMOUND ROAD BROOKFIELD, WI 53005 (262) 754-8888 ENGINEERING I NATURAL RESOURCES I SURVEYING CHICAGO I MILWAUKEE : NATION

Z:\PROJECTS\2016\653.00-WI\CAD\SHEETS\BUILDING ADDITION\653.00-WI (A) COVER SHEET.DWG

# ONSITE CIVIL ENGINEERING INFRASTRUCTURE PLANS FOR LINDENGROVE WAUKESHA, WI



	GENERA	١L	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.	6.	QUESTIONS/CLARIFICATIONS WILL BE INTERPRE CONTRACT. ENGINEER/OWNER WILL SUBMIT O PRESENTED IN OFFICIAL RESPONSES SHALL B CONTRACT. IN NO WAY SHALL WORD-OF-MOUTH D
	EXCEPT WHERE MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK PROPOSED HEREIN SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS (LATEST EDITION): a. CITY OF WAUKESHA MUNICIPAL CODE	7.	PRIOR TO START OF WORK, CONTRACTOR SHAL THE SITE, AND SHALL ACCOUNT FOR CONDITI- INCLUDING, BUT NOT LIMITED TO, LIMITATIONS OBSTRUCTIONS, TRAFFIC PATTERNS, LOCAL RE- CONSIDER SITE CONDITIONS SHALL NOT BE CAUS
	<ul> <li>b. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" BY WISCONSIN DEPARTMENT OF TRANSPORTATION.</li> <li>c. "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)" BY FEDERAL HIGHWAY ADMINISTRATION.</li> <li>d. "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN WISCONSIN" BY WISCONSIN UNDERGROUND UTILITY CONTRACTORS ASSOC., ET AL.</li> <li>e. THE CONTRACT DOCUMENTS. GENERAL CONDITIONS. SPECIAL PROVISIONS AND SUPPLEMENTAL</li> </ul>	8.	COMMENCEMENT OF CONSTRUCTION SHALL REVIEWED THE PLANS AND SPECIFICATIONS IN PROPOSAL CONTAINS PROVISIONS TO COMPLETE FIELD CONDITIONS; ALL APPLICABLE PERMITS HA ALL OF THE REQUIREMENTS OF THE PROJECT.
	<ul> <li>ALL CONDITIONS OF THE PROJECT AS PREPARED BY THE PROJECT'S CONSTRUCTION MANAGER/GENERAL CONTRACTOR.</li> <li>ALL DOCUMENTS CITED IN THE ABOVE STANDARDS AND SPECIFICATIONS RELEVANT TO THE SUBJECT UNDER CONSIDERATION. IF A CONFLICT ARISES BETWEEN ANY PROVISION(S) OF THE REFERENCE ITEMS ABOVE AND ANY PROVISION(S) OF THESE STANDARDS AND SPECIFICATIONS, THEN THE MORE</li> </ul>	9.	SHOULD ANY DISCREPANCIES OR CONFLICTS IN THE AWARD OF CONTRACT, ENGINEER SHALL BE OF ITEMS AFFECTED BY THE DISCREPANCIES/CON WRITTEN RESPONSE FROM ENGINEER/OWNER IS REFERENCED CODES, STANDARDS, SPECIFICAT STRINGENT REQUIREMENTS SHALL BE FOLLOWED
	RESTRICTIVE PROVISION(S) SHALL APPLY. PAVEMENTS TO MATCH EXISTING PER DESIGN BUILD CONTRACTOR OUTLINE SPECIFICATIONS. IT SHALL BE EXPRESSLY UNDERSTOOD THAT PEG HAS NOT PROVIDED ANY TYPE OF PAVEMENT ENGINEERING/ANALYSIS/ETC. PAVEMENT SECTIONS ARE IDENTIFIED SOLELY FOR THE GRAPHICAL REPRESENTATION OF PROJECT'S OUTLINE SPECIFICATION.	10. 11.	THE CONTRACTOR SHALL, AT ITS OWN EXPENSE COMPLETE THE PROJECT. OBTAINING PERMITS CONTRACT OR SCHEDULE. CONTRACTOR SHALL O THE CONTRACTOR SHALL NOTIFY ALL INTER
2.	SUBCONTRACTORS ARE 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 DESIGN BUILDER.		AFFECTED BY THIS CONSTRUCTION PROJECT, A TO COMPLY WITH ALL JURISDICTIONAL ORDINA OTHER APPLICABLE STANDARDS.
3.	ALL CONTRACTOR(S) ARE RESPONSIBLE TO REVIEW AND UNDERSTAND ALL COMPONENTS OF THE PLANS AND SPECIFICATIONS, INCLUDING FIELD VERIFYING SOIL CONDITIONS, PRIOR TO SUBMISSION OF A BID PROPOSAL	12.	SAFETY IS THE SOLE RESPONSIBILITY OF THE CO TO INITIATE, INSTITUTE, ENFORCE, MAINTAIN, AN SAFETY PROGRAMS IN CONNECTION WITH THE WO
4.	THE CONTRACTOR SHALL PROMPTLY REPORT ANY ERRORS OR AMBIGUITIES LEARNED AS PART OF THEIR REVIEW OF PLANS, SPECIFICATIONS, REPORTS AND FIELD INVESTIGATIONS.	13.	ALL CONTRACTORS SHALL KEEP THE JOBSITE C THE SITE SHALL BE KEPT IN A WORKING MANNER ALL RESPECTIVE CONTRACTORS OPERATE UNDER
5.	THE EARTHWORK/GRADING SUBCONTRACTOR IS SOLELY RESPONSIBLE FOR THE COMPUTATION OF QUANTITIES AND WORK REQUIRED TO COMPLETE THIS PROJECT. THE SUBCONTRACTOR'S BID SHALL BE BASED ON ITS OWN COMPUTATIONS AND IN NO SUCH INSTANCE RELY ON THE ENGINEER'S ESTIMATE.	14.	THE DESIGN BUILDER SHALL INDEMNIFY THE OWN INVOLVED WITH THE CONSTRUCTION, INSTALLATION
	LINDENGROVE WAUKESHA, WI		

	INDEX OF
C-1	COVER SHEET
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C-4	GRADING & SITE STAI
C-5	UTILITY PLAN
C-6	CONSTRUCTION DETA

CIVIL ENGINEER:
RED SPELSHAUS, P.E.
INNACLE ENGINEERING GROUP
5850 BLUEMOUND ROAD, SUITE 210
ROOKFIELD, WI 53005
262) 754-8888
SURVEYOR:
OHN KONOPACKI, P.L.S
UNNACIE ENCINEERING CROUP

PINNACLE ENGINEERING GROUP 15850 BLUEMOUND ROAD, SUITE 210 BROOKFIELD, WI 53005 (262) 754-8888

- 1. HOT MIX ASPHALT- MIX DESIGN
- 3. PAVEMENT STONE BASE COURSE GRADATION
- 4. PIPE BEDDING & TRENCH BACKFILL GRADATION
- 5. MANHOLE BACKFILL GRADATION
- 6. PAVEMENT MARKING PAINT

- 2. SANITARY SEWER PIPE & FITTINGS
- 3. STORM SEWER PIPE, STRUCTURES, & FITTINGS
- 4. TRACER WIRE
- 6. ADA SIGN & TRUNCATED DOMES, PAINT & STENCILS
- 7. CHEMICAL SOIL STABILIZATION MIX DESIGN (IF APPLICABLE)

Vertical Datum: National Geodetic Vertical Datum of 1929 (NGVD29)

SITE BENCHMARK:

BASE OF LIGHT POLE, WEST SIDE, EL. = 880.91

EXPIRATION DATE: JULY 31, 2018 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.

ED BY ENGINEER/OWNER PRIOR TO THE AWARD OF FICIAL RESPONSES IN WRITING. INTERPRETATIONS BINDING ON ALL PARTIES ASSOCIATED WITH THE ALOG CONSTITUTE AN OFFICIAL RESPONSE.
BE COMPLETELY FAMILIAR WITH ALL CONDITIONS OF NS THAT AFFECT, OR MAY AFFECT CONSTRUCTION OF WORK ACCESS, SPACE LIMITATIONS, OVERHEAD UIREMENTS, ADJACENT ACTIVITIES, ETC. FAILURE TO FOR CLAIM OF JOB EXTRAS.
XPLICITLY CONFIRM THAT THE CONTRACTOR HAS NTIRETY AND CERTIFIES THAT THEIR SUBMITTED BID THE PROJECT, WITH THE EXCEPTION OF UNFORESEEN E BEEN OBTAINED; AND CONTRACTOR UNDERSTANDS
HE PLANS OR SPECIFICATIONS BE DISCOVERED AFTER OTIFIED IN WRITING IMMEDIATELY AND CONSTRUCTION FLICTS SHALL NOT COMMENCE, OR CONTINUE, UNTIL A DISTRIBUTED. IN THE EVENT OF A CONFLICT BETWEEN INS AND PLANS, THE ONE ESTABLISHING THE MOST
OBTAIN ALL NECESSARY PERMITS AND LICENSES TO OR DELAYS, IS NOT CAUSE FOR DELAY OF THE DMPLY WITH ALL PERMIT REQUIREMENTS.
STED GOVERNING AGENCIES, UTILITY COMPANIES D DIGGER'S HOTLINE IN ADVANCE OF CONSTRUCTION CES/CODES/RULES/ETC., PERMIT STIPULATIONS, AND
TRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE SUPERVISE ALL SAFETY PRECAUTIONS AND JOB SITE RK.
EAN AND ORDERLY AT ALL TIMES. ALL LOCATIONS OF SUCH THAT DEBRIS IS REMOVED CONTINUOUSLY AND GENERAL "GOOD HOUSEKEEPING."
R, ENGINEER, AND THEIR AGENTS FROM ALL LIABILITY N, AND TESTING OF THE WORK ON THIS PROJECT.

## COVER SHEET

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GENERAL SPECIFICATIONS FOR CONSTRUCTION ACTIVITIES

- THE PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED ACCORDING TO THE WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, THE STANDARD SPECIFICATIONS FOR SEWER & WATER IN WISCONSIN, AND WISCONSIN ADMINISTRATIVE CODE, SPS 360, 382-383, AND THE LOCAL ORDINANCES AND SPECIFICATIONS.
- 2. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR EXECUTION OF THE WORK. THE CONTRACTOR SHALL CONDUCT HIS WORK ACCORDING TO THE REQUIREMENTS OF THE PERMITS.
- THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE MUNICIPALITY FORTY- EIGHT (48) HOURS PRIOR TO THE START OF CONSTRUCTION.
   THE MUNICIPALITY SHALL HAVE THE RIGHT TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION OF
- THE PUBLIC PORTIONS OF THE WORK. THE OWNER SHALL HAVE THE RIGHT TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION OF ALL PRIVATE PORTIONS OF THE WORK.5. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, THE ENGINEER, AND THE MUNICIPALITY, THEIR
- AGENTS, ETC, FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, AND TESTING OF THE WORK ON THIS PROJECT.
  6. SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITY INFORMATION SHOWN ON THE PLANS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CALL DIGGER'S HOTLINE AT 1-800-242-8511 TO NOTIFY THE UTILITIES OF HIS INTENTIONS, AND TO REQUEST FIELD STAKING OF EXISTING UTILITIES.
- SILT FENCE AND OTHER EROSION CONTROL FACILITIES MUST BE INSTALLED PRIOR TO CONSTRUCTION OR ANY OTHER LAND DISTURBING ACTIVITY. FOLLOW THE SEQUENCE OF CONSTRUCTION ON THE EROSION CONTROL PLAN FOR MORE DETAILS. INSPECTIONS SHALL BE MADE WEEKLY OR AFTER EVERY RAINFALL OF 0.5" OR MORE. REPAIRS SHALL BE MADE IMMEDIATELY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EROSION CONTROL FACILITIES ONCE THE THREAT OF EROSION HAS PASSED WITH THE APPROVAL OF THE GOVERNING AGENCY.
   ANY ADJACENT PROPERTIES OR ROAD RIGHT-OF-WAYS WHICH ARE DAMAGED DURING CONSTRUCTION
- MUST BE RESTORED BY THE CONTRACTOR.
  10. TRASH AND DEBRIS SHALL BE NOT BE ALLOWED TO ACCUMULATE ON THIS SITE AND THE SITE SHALL BE
- CLEAN UPON COMPLETION OF WORK. 11. THE OWNER SHALL HAVE THE RIGHT TO HAVE ALL MATERIALS USED IN CONSTRUCTION TESTED FOR COMPLIANCE WITH THESE SPECIFICATIONS.



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## EXISTING CONDITIONS

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REVISIONS

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D0-WI FMS	<u>)6/17</u> = 40'	SHEET
 653.(	<u>1"</u>	C-2
 B No.	DATH	OF
 PEG JO	START SCALE	C-6



LEGEND	
MENT ATE BASE COURSE (1-1/2" DENSE GRADED LIMESTONE) DNC. (2 LIFTS) R (E-1 MIX; 19.0 mm NOMINAL SIZE) & (E-1 MIX; 9.5 mm NOMINAL SIZE)	
EMENT GATE BASE COURSE (1-1/2" DENSE GRADED LIMESTONE) (2 LIFTS) R (E-3 TYPE; 19.0 mm NOMINAL SIZE) R (E-3 TYPE; 12.5 mm NOMINAL SIZE)	
ENT (TRUCK DOCK AREA) ATE BASE COURSE (1-1/2" DENSE GRADED LIMESTONE) E ENTRAINED CONCRETE WITH 6x6x6 GAUGE STEEL MESH )	
ALK ATE BASE COURSE (1-1/2" DENSE GRADED LIMESTONE) WIRE FABRIC PER RACI 315-92)	
GUTTER	
JRB AND GUTTER	
SH WITH PAVEMENT (SEE DETAIL)	

### SITE DATA TABLE

217 BEDS 158 STALLS 148 STALLS 192 STALLS 6 STALLS

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 <u>653.0</u>	C-3
 3 No.	OF
 PEG JOH PEG PM START   SCALE _	C-6





### CONSTRUCTION SITE SEQUENCING INSTALL PERIMETER SILT FENCE, INLET PROTECTION AND TEMPORARY CONSTRUCTION ENTRANCE. 2. STRIP AND STOCKPILE TOPSOIL, INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE. . CONDUCT ROUGH GRADING EFFORTS AND INSTALL CHECK DAMS AND SEDIMENT TRAPS/BASINS AS NEEDED. 4. INSTALL UTILITY PIPING AND STRUCTURES, IMMEDIATELY INSTALL INLET PROTECTION. . 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. EROSION CONTROL MEASURES SHALL BE REMOVED ONLY AFTER SITE CONSTRUCTION IS COMPLETE WITH ALL SOIL SURFACES HAVING AN ESTABLISHED VEGETATIVE COVER.

# GENERAL EROSION AND NT CONTROL NOTES OVED PLAN. SION CONTROL MEASURES (SUCH AS CONSTRUCTION ATION. ING AGENCIES. WER FACILITIES THAT WILL COLLECT RUNOFF FROM ARGE FROM DISTURBED SOILS. R APPROVED SETTLING DEVICE. BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE RDANCE WITH TECHNICAL STANDARDS. EEDING 4:1, SHALL BE STABILIZED WITH NORTH AMERICAN ING CONSTRUCTION AT HIS/HER EXPENSE.

า	SEDIMEN
E (FEET)	1. ALL CONSTRUCTION SHALL NATIONAL POLLUTANT DISC GENERAL PERMIT ("WPDES" PI DISTURBANCE ACTIVITIES. AI BE CONSTRUCTED AND MA FEDERAL TECHNICAL STAND CONSTRUCTION. THESE PROC
60'	BEST MANAGEMENT PRACT CONTRACTORS ASSOCIATED UNDERSTAND, THE BMP'S PRIC 2. THE EROSION CONTROL ME
IOTES	REQUIREMENTS. ADDITIONAL OR GOVERNING AGENCIES SH
INSURE ALL AREAS DRAIN PROPERLY ACLE ENGINEERING GROUP PRIOR TO	3. MODIFICATIONS TO THE APP CONDITIONS ARE ALLOWE MODIFICATIONS MUST BE APP TO DEVIATION OF THE APPRO
TIES. FING SURFACE GRADES UNLESS S SHOWN ARE FINISH SURFACE	4. INSTALL PERIMETER EROSI ENTRANCES, SILT FENCE AND INCLUDING GRADING OR DIS PLAN IN ORDER TO PROTECT SEDIMENT TRANSPORT.
ALONG THE EDGE OF PAVEMENT	5. CONSTRUCTION ENTRANCES INGRESS/EGRESS POINTS. CO
INT SHALL BE COMPLETED TO DESIGN	WITH THE PROPER AUTHOUR REQUIRED APPROVALS OR PE THAN AS SHOWN ON THE PL/ AGENCIES PRIOR TO INSTALL/
QUANTITIES. WHILE PEG ATTEMPTS ROACH TO BALANCE EARTHWORK, Y FACTORS, INCLUDING SAFETY, ERING STANDARD OF CARE, MADE FOR A PALANCED SITE	6. PAVED SURFACES ADJACENT SCRAPED TO REMOVE ACCUM REQUESTED BY THE GOVERNIN
MADE FOR A BALANCED SITE. ROVAL FROM ENGINEER/OWNER TO N GRADES TO PROVIDE AN OVERALL D CONDITIONS.	7. ALL EXISTING STORM SEW DISTURBED AREAS SHALL B WITHIN STORM SEWER SYST AT THE INLET OF ALL IN IMMEDIATELY FITTED AT ALL PIPES, AND SWALES SHALL BE
CLUDE EXCAVATION OF TEMPORARY CESSARY PUMPING TO ALLEVIATE	8. EROSION CONTROL FOR UTIL OUTSIDE OF THE PERIMETER (
NER BE RESPONSIBLE FOR FED/ORIGINATED AS A RESULT OF	PLACE EXCAVATED TRE
OF DISTURBED SOILS DUE TO	BACKFILL, COMPACT AI CONSTRUCTION.
ETING MINIMUM COMPACTION IFY ENGINEER/OWNER IF PROPER ROJECT'S GEOTECHNICAL SITU SOUS APE TO BE CONSIDERED	DISCHARGE TRENCH W IN ACCORDANCE WITH DITCHES.
AND GEOTECHNICAL TESTING L MEASURES WILL BE NECESSARY.	9. AT A MINIMUM, SEDIMENT BA SHALL BE CONSTRUCTED AND GRADING OPERATIONS TO PRI
TY TEST(S) FAIL TO MEET RACTOR SHALL PERFORM IG THE MATERIAL INTO COMPLIANCE	10. ALL WATERCOURSES AND W PREVENT ANY DIRECT DISCHA
TO THE OWNER. ER/OWNER, MATERIAL THAT IS TOO BE SPREAD ON FILL AREAS IN AN RLY FIELD MARK THE EXTERIOR	11. ALL TEMPORARY AND PERMAN AND REPAIRED AS NEEDED. INSPECTION AND REPAIR DUR IF EROSION CONTROL IS RE PROJECT
D LATH AND SUBMIT A PLAN TO THE MITS. UNDER NO CONDITION SHALL MOST RESTRICTIVE OF: THE RY THAT WILL BE USED TO MAXIMUM COMPACTION LIFT DEPTH.	12. TOPSOIL STOCKPILES SHALL AND PERIMETER SILT FENCE UNDISTURBED FOR MORE STABILIZATION IS REQUIRED.
TIFY ENGINEER/OWNER IF EXCAVATION.	13. EROSION CONTROL MEAS CONSTRUCTION ACTIVITIES S
THE DESIGN AND CONSTRUCTION ING, BRACING, RETENTION	COMPLETION OF SUCH ACTIVI WHICH EVER OCCURS FIRST.
0.10-FT (+/-) OF THE PROPOSED PRIOR TO PLACEMENT OF TOPSOIL TO SEQUENCE CONSTRUCTION SUCH AREAS TO ALLOW STABILIZATION OF	14. MAINTAIN SOIL EROSION C PROJECT. ALL TEMPORARY E REMOVED WITHIN THIRTY (3 OR AFTER THE TEMPORARY ASSOCIATED WITH EROSION (
PLETION OF INDIVIDUAL SMALLER	15. PUMPS MAY BE USED AS BY DIVERTED OUTSIDE THE PRO AN APPROVED FILTER BAG OR
IOTLINE" FOR LOCATIONS OF ALL IENT OF ANY CONSTRUCTION OR PROTECTING SAID UTILITIES N.	16. GRADING EFFORTS SHALL E EROSION. EROSION AND SEDI YEAR, SITE CONDITIONS, AND DISTURDED ADDACS THAT WIT
ADJACENT PROPERTIES WITH SILT METHODS UNTIL CONSTRUCTION IS LT FENCING AT DOWN SLOPE SIDE	DAYS REQUIRE TEMPORARY S CONTROL SHALL BE IN ACCOR
DAMAGE TO ANY EXISTING 5@@69`F9D5=F98`HC`H<9`CK B9FsG NTRACTOR.	17. ALL DISTURBED SLOPES EXCE GREEN S75BN EROSION MATT STABILIZED WITH NORTH A APPLICATION OF AN APPRO COMBINATION THEREOF AS
AY SHALL BE COORDINATED WITH OR TO COMMENCEMENT OF ANY SHALL BE RESPONSIBLE FOR FEES GRADING WITHIN	18. DURING PERIODS OF EXTEN WATER TRUCK ON SITE FOR
Y SAID OFFICIALS. RESTORATION TAL AND SHALL BE INCLUDED IN ALL INCLUDE ALL ITEMS NECESSARY JDING LANDSCAPING.	19. DISTURBED AREAS AND AREA
UKESHA COUNTY CONSTRUCTION	POTENTIAL FOR, POLLUTANTS
A MINIMUM OF 4-INCH TOPSOIL	20. QUALIFIED PERSONNEL (PRO INSPECT DISTURBED AREAS FINALLY STABILIZED AND ER ALL 0.5-INCH, OR MORE, F INTERVAL OF ONCE EVERY
ANDARD PROCTOR DENSITY AT	QUALIFYING RAIN OR SNOWF OF THE GENERAL PERMIT. CO DEFICIENT ITEMS DEVEALED F
EEN PROVIDED BY PEG IN NO WAY NCLUSIVE OR REPRESENTATIVE OF PROVIDE CHECKS AS NECESSARY TO RACY.	21. SEE ADDITIONAL DETAILS AN DETAILS.
REVIS	SIONS

GRAPHICAL SCALE (F	EET
O <b>1" = 30'</b>	60



- 6. THE CONTRACTOR IS RESPONSIBLE FOR MEE STANDARDS. THE CONTRACTOR SHALL NOT COMPACTION CANNOT BE OBTAINED. THE P CONSULTANT SHALL DETERMINE WHICH IN-UNSUITABLE SOILS. THE ENGINEER/OWNER CONSULTANT WILL DETERMINE IF REMEDIA
- 7. IN THE EVENT THAT ANY MOISTURE-DENSIT SPECIFICATION REQUIREMENTS, THE CONTR CORRECTIVE WORK AS NECESSARY TO BRIN AND RETEST THE FAILED AREA AT NO COST
- 8. WITH THE AUTHORIZATION OF THE ENGINE WET TO PERMIT PROPER COMPACTION MAY EFFORT TO DRY. CONTRACTOR SHALL CLEAN LIMITS OF SPREAD MATERIAL WITH PAINTER ENGINEER/OWNER THAT IDENTIFIES THE LI THE SPREAD MATERIAL DEPTH EXCEED THE EFFECTIVE TREATMENT DEPTH OF MACHINE TURNOVER THE SPREAD MATERIAL; OR THE
- 9. THE CONTRACTOR SHALL IMMEDIATELY NOT GROUNDWATER IS ENCOUNTERED DURING 10. CONTRACTOR IS SOLELY RESPONSIBLE FOR OF ADEQUATE AND SAFE TEMPORARY SHORE
- STRUCTURES, AND EXCAVATIONS. 11. THE SITE SHALL BE COMPLETED TO WITHIN GRADES AS INDICATED WITHIN THE PLANS OR STONE. CONTRACTOR IS ENCOURAGED 7 THAT THE SITE IS DIVIDED INTO SMALLER A DISTURBED SOILS IMMEDIATELY UPON COM AREAS.
- 12. CONTRACTOR SHALL CONTACT "DIGGER'S H EXISTING UTILITIES PRIOR TO COMMENCEME ACTIVITIES AND SHALL BE RESPONSIBLE FO FROM ANY DAMAGE DURING CONSTRUCTION
- 13. CONTRACTOR SHALL PROTECT INLETS AND FENCING OR APPROVED EROSION CONTROL 1 COMPLETED. CONTRACTOR SHALL PLACE SIL OF GRADING LIMITS. 14. CONTRACTOR SHALL BE RESPONSIBLE FOR
- : 57=@++9G'CF'I ++@++9G"...5BM85A5: 9'G< SATISFACTION AT THE EXPENSE OF THE CON 15. WORK WITHIN ANY ROADWAY RIGHT-OF-WA
- THE APPROPRIATE MUNICIPAL OFFICIAL PRI CONSTRUCTION ACTIVITIES. CONTRACTOR OBTAINING ALL NECESSARY PERMITS AND F RIGHT-OF-WAY IS SUBJECT TO APPROVAL BY OF RIGHT-OF-WAY IS CONSIDERED INCIDE THE COST OF GRADING. RESTORATION SHA TO RESTORE RIGHT-OF-WAY IN-KIND INCLU
- 16. CONTRACTOR SHALL COMPLY WITH ALL WAU STANDARDS/ORDINANCES. 17. LANDSCAPE AND TURF AREAS SHALL HAVE A
- REPLACEMENT. 18. TOPSOIL BERMING SHALL ACHIEVE 90% STA 'ı fl, Ł`CDH⊫AIA `AC=GHIF9`7CBH9BH'

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19. SURVEY BENCHMARKS AND MAPPING HAS BE DOES PEG WARRANT THE BASEMAP IS ALL IN ACTUAL CONDITIONS. CONTRACTOR SHALL VERIFY THE BASEMAP CONTENT AND ACCUR

# GRADING & SITE STABILIZATION PLAN

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.

> ADHERE TO THE REQUIREMENTS SET FORTH IN EPA'S CHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT NO. WI-S067831-4) FOR CONSTRUCTION SITE LAND ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO AINTAINED IN ACCORDANCE WITH LOCAL, STATE AND DARDS AND PROVISIONS IN EFFECT AT THE TIME OF CEDURES AND STANDARDS SHALL BE REFERRED TO AS FICES (BMP'S). IT IS THE RESPONSIBILITY OF ALL WITH THE PROJECT TO OBTAIN A COPY OF, AND RIOR TO THE START OF CONSTRUCTION ACTIVITIES.

EASURES INDICATED ON THE PLANS ARE THE MINIMUM L CONTROL MEASURES AS DIRECTED BY OWNER/ENGINEER IALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.

PROVED SWPPP IN ORDER TO MEET UNFORESEEN FIELD ED IF MODIFICATIONS CONFORM TO BMP'S. ALL PROVED BY OWNER/ENGINEER/GOVERNING AGENCY PRIOR

D EXISTING INLET PROTECTION) PRIOR TO ANY SITE WORK, STURBANCE OF EXISTING SURFACE COVER, AS SHOWN ON T ADJACENT PROPERTIES/STORM SEWER SYSTEMS FROM

SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE ONTRACTOR IS RESPONSIBLE TO COORDINATE LOCATION(S) ORITIES, PROVIDE NECESSARY FEES AND OBTAIN ALL ERMITS. ADDITIONAL CONSTRUCTION ENTRANCES OTHER LANS MUST BE APPROVED BY THE APPLICABLE GOVERNING

TO CONSTRUCTION ENTRANCES SHALL BE SWEPT AND/OR MULATED SOIL, DIRT AND/OR DUST IMMEDIATELY AND AS

BE PROTECTED TO TO PREVENT SEDIMENT DEPOSITION FEMS. INLET PROTECTION SHALL BE IMMEDIATELY FITTED 🛛 🦳 🦢 NSTALLED STORM SEWER AND SILT FENCE SHALL BE L INSTALLED CULVERT INLETS . ALL INLETS, STRUCTURES, E KEPT CLEAN AND FREE OF SEDIMENTATION AND DEBRIS. LITY CONSTRUCTION (STORM SEWER, WATER MAIN, ETC.)

CONTROLS SHALL INCORPORATE THE FOLLOWING: RENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.

AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE

WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK H BMP'S PRIOR TO RELEASE INTO STORM SEWER OR

ASINS AND NECESSARY TEMPORARY DRAINAGE PROVISIONS O OPERATIONAL BEFORE BEGINNING OF SIGNIFICANT MASS REVENT OFFSITE DISCHARGE OF UNTREATED RUNOFF. WETLANDS SHALL BE PROTECTED WITH SILT FENCE TO

NENT EROSION CONTROL MEASURES MUST BE MAINTAINED THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR RING CONSTRUCTION. THE OWNER WILL BE RESPONSIBLE EQUIRED AFTER THE CONTRACTOR HAS COMPLETED THE

HAVE A BERM OR TRENCH AROUND THE CIRCUMFERENCE E TO CONTROL SILT. IF TOPSOIL STOCKPILE REMAINS THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND

SURES TEMPORARILY REMOVED FOR UNAVOIDABLE SHALL BE IN WORKING ORDER IMMEDIATELY FOLLOWING ITIES OR PRIOR TO THE COMPLETION OF EACH WORK DAY,

CONTROL DEVICES THROUGH THE DURATION OF THIS EROSION AND SEDIMENT CONTROL MEASURES SHALL BE 30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED MEASURES ARE NO LONGER NEEDED. DISTURBANCES CONTROL REMOVAL SHALL BE IMMEDIATELY STABILIZED.

YPASS DEVICES. IN NO CASE SHALL PUMPED WATER BE DJECT LIMITS. PUMP DISCHARGE SHALL BE DIRECTED INTO

IMENT CONTROL MEASURES SHALL CONSIDER THE TIME OF D THE USE OF TEMPORARY OR PERMANENT MEASURES. ALL ILL NOT BE WORKED FOR A PERIOD OF FOURTEEN (14) SEEDING FOR EROSION CONTROL. SEEDING FOR EROSION

TING (OR APPROVED EQUAL) AND ALL CHANNELS SHALL BE AMERICAN GREEN C125BN (OR APPROVED EQUAL) OR OVED POLYMER SOIL STABILIZATION TREATMENT OR A REQUIRED. EROSION MATTING AND/OR NETTING USED D IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES.

NDED DRY WEATHER, THE CONTRACTOR SHALL KEEP A R THE PURPOSE OF WATERING DOWN SOILS WHICH MAY RNE. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING

AS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED BE VISUALLY INSPECTED FOR EVIDENCE OF, OR THE S ENTERING THE DRAINAGE SYSTEM ON A DAILY BASIS.

OVIDED BY THE GENERAL/PRIME CONTRACTOR) SHALL S OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN ROSION AND SEDIMENT CONTROLS WITHIN 24 HOURS OF PRECIPITATION EVENTS WITH A MINIMUM INSPECTION SEVEN (7) CALENDAR DAYS IN THE ABSENCE OF A FALL EVENT. REPORTING SHALL BE IN ACCORDANCE WITH ONTRACTOR SHALL IMMEDIATELY ARRANGE TO HAVE ANY DURING INSPECTIONS REPAIRED/REPLACED.

ND NOTES ON SITE STABILIZATION AND CONSTRUCTION





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### NOTES 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. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND 60' 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. . UTILITY CONSTRUCTION AND SPECIFICATIONS SHALL COMPLY WITH THE CITY OF WAUKESHA SPECIAL PROVISIONS AND WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES COMM 82. 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. ALL NEW ON-SITE SANITARY, STORM AND WATER UTILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED BY THE PROPERTY OWNER. 8. THE CONTRACTOR SHALL CONTACT THE CITY OF WAUKESHA PUBLIC WORKS DEPARTMENT 48-HOURS IN ADVANCE OF SANITARY, WATER AND STORM CONNECTIONS TO THE CITY-OWNED SYSTEM TO SCHEDULE INSPECTIONS D. 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. 1. FIELD TILE CONNECTION - ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE INCLUDED IN THE UNIT PRICE(S) FOR STORM SEWER. TILE LINES CROSSED BY THE TRENCH SHALL BE REPLACED WITH THE SAME MATERIAL AS THE STORM SEWER. 12. THE CONTRACTOR IS RESPONSIBLE FOR THE SIZE, TYPE AND NUMBER OF WATER MAIN BENDS, HORIZONTAL AND VERTICAL, REQUIRED TO COMPLETE CONSTRUCTION. COST FOR BENDS, HORIZONTAL AND VERTICAL, SHALL BE INCIDENTAL AND INCLUDED IN THE OVERALL COST OF THE CONTRACT. 13. STORM SEWER SPECIFICATIONS -PIPE - REINFORCED CONCRETE PIPE (RCP) SHALL MEET THE REQUIREMENTS OF ASTM CLASS C-76 WITH RUBBER GASKET JOINTS CONFORMING TO ASTM C-443. STRENGTH CLASSIFICATIONS SHALL BE IN ACCORDANCE WITH THE FOLLOWING: HEIGHT OF COVER (FEET): 0-2 2-3 3-6 6-15 15-25 25+ MINIMUM CONCRETE PIPE CLASSIFICATION: IV III II III IV ENGINEER TO SPECIFY HIGH DENSITY DUAL-WALL POLYETHYLENE N-12 CORRUGATED PIPE (HDPE) SHALL BE AS MANUFACTURED BY ADS OR EQUAL WITH WATER TIGHT JOINTS. AND SHALL MEET THE REQUIREMENTS OF AASHTO DESIGNATION M-294 TYPE "S", OR POLYVINYL CHLORIDE (PVC) - CLASS PS46 MEETING AASHTO M278, AS NOTED. IF HDPE PIPE IS USED FOR POND OUTFALLS, A MINIMUM OF THREE (3) SECTIONS (2 STRAPS) SHALL BE STRAPPED TOGETHER. INLETS/CATCH BASINS - INLETS/CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE NO. 25 OF THE "STANDARD SPECIFICATIONS" WITH A 1'-8" X 2'-6" MAXIMUM OPENING. FRAME & GRATE SHALL BE NEENAH R-1580 WITH TYPE G GRATE, OR EQUAL. CURB FRAME & GRATE SHALL BE NEENAH R-3067, OR EQUAL. THE SUMP DEPTH (VERTICAL DISTANCE FROM THE BASE OF THE STRUCTURE TO OUTFALL INVERT OF THE PIPE) SHALL BE 18" MIN. STRUCTURE SHOP DRAWINGS SHALL BE SUBMITTED TO PINNACLE ENGINEERING GROUP FOR REVIEW AND APPROVAL PRIOR TO MANUFACTURING AND INSTALLATION. BACKFILL AND BEDDING - STORM SEWER SHALL BE CONSTRUCTED WITH GRAVEL BACKFILL AND CLASS "B" BEDDING IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS". MANHOLE FRAMES AND COVERS - MANHOLE FRAMES AND COVERS SHALL BE NEENAH R-1642 WITH TYPE "B" SELF SEALING LIDS, NON-ROCKING OR EQUAL . IF HDPE PIPE IS USED FOR POND OUTFALLS, A MINIMUM OF THREE (3) SECTIONS (2 STRAPS) SHALL BE STRAPPED TOGETHER. 16. WATER MAIN SPECIFICATIONS -PIPE - WATER MAIN SHALL BE POLYVINYL CHLORIDE (PVC) PIPE MEETING THE REQUIREMENTS OF AWWA STANDARD C-900, CLASS 150, DR-18, WITH CAST IRON O.D. AND INTEGRAL ELASTOMERIC BELL AND SPIGOT JOINTS. VALVES AND VALVE BOXES - GATE VALVES SHALL BE AWWA GATE VALVES MEETING THE REQUIREMENTS OF AWWA C-500 AND CHAPTER 8.27.0 OF THE "STANDARD SPECIFICATIONS". GATE VALVES AND VALVE BOXES SHALL CONFORM TO LOCAL PLUMBING ORDINANCES. HYDRANTS - HYDRANTS SHALL CONFORM TO THE SPECIFICATIONS OF THE VILLAGE OF PLEASANT PRAIRIE AND IN ACCORDANCE WITH FILE NO. 38 OF THE "STANDARD SPECIFICATIONS." THE DISTANCE FROM THE GROUND LINE TO THE CENTERLINE OF THE LOWEST NOZZLE AND THE LOWEST CONNECTION OF THE FIRE DEPARTMENT SHALL BE NO LESS THAN 18-INCHES AND NO GREATER THAN 23-INCHES. BEDDING AND COVER MATERIAL - PIPE BEDDING AND COVER MATERIAL SHALL BE SAND, CRUSHED STONE CHIPS OR CRUSHED STONE SCREENINGS CONFORMING TO CHAPTER 8.43.2 OF THE "STANDARD SPECIFICATIONS". STORM SEWER CATCH BASIN (ROUND CASTING) BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH CHAPTER 2.6.0 OF THE STORM SEWER CATCH BASIN (RECTANGULAR CASTING) "STANDARD SPECIFICATIONS". GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS". 17. SANITARY SEWER SPECIFICATIONS -PIPE - SANITARY SEWER PIPE MATERIAL SHALL BE POLYVINYL CHLORIDE (PVC) MEETING REQUIREMENTS OF ASTM D 3034, SDR-35, WITH INTEGRAL BELL TYPE FLEXIBLE ELASTOMERIC JOINTS, MEETING THE REQUIREMENTS OF ASTM D-3212.

REVISIONS

SELF SEALING LIDS, NON-ROCKING OR EQUAL

WITH ITS LATEST ADDENDUM (TYP.).

UTILITY PLAN

**GRAPHICAL SCALE (FEET)** O **1" = 30'** 

- PROPOSED STORMWATER POND

### STORM SEWER MANHOLE PRECAST CONCRETE FLARED END SECTION CLEANOUT VALVE BOX FIRE HYDRANT \_\_\_\_\_ \_\_\_\_\_ ))\_\_\_ — W \_\_\_\_

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SANITARY SEWER FORCE MAIN STORM SEWER DRAIN TILE WATER MAIN FIRE PROTECTION UTILITY CROSSING ELECTRICAL CABLE GAS MAIN TELEPHONE LINE \_\_\_\_\_IT|\_\_\_\_\_ OVERHEAD WIRES LIGHTING ELECTRICAL TRANSFORMER OR PEDESTAL

POWER POLE

STREET SIGN

POWER POLE WITH LIGHTS

UTILITY TO BE REMOVED

\_\_\_\_

LEGEND

SANITARY SEWER MANHOLE

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

BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS." GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS." MANHOLES - MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE NOS. 12, 13 AND 15 OF THE

"STANDARD SPECIFICATIONS" AND ALL SPECIAL PROVISIONS OF THE VILLAGE OF PLEASANT PRAIRIE. STRUCTURE SHOP DRAWINGS SHALL BE SUBMITTED TO PINNACLE ENGINEERING GROUP FOR REVIEW AND APPROVAL PRIOR TO MANUFACTURING AND INSTALLATION.

MANHOLE FRAMES AND COVERS - MANHOLE FRAMES AND COVERS SHALL BE NEENAH R-1642 WITH TYPE "B"

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

19. TRACER WIRE SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THESE CODE SECTIONS AS PER 182.0715(2R) OF THE STATUTES. THE TRACER WIRE FOR THE SANITARY SEWER LATERAL SHALL BE CONTINUOUS AND SHALL BE EXTENDED ABOVE GRADE VIA A 4-INCH PVC PIPE WITH SCREW-ON CAP ADJACENT TO THE PROPOSED TERMINATION POINT OF THE LATERAL FOR THE PROPOSED BUILDING. 20. SEE UTILITY PLANS AND CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.



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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 5 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
- 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

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

TEMPORARILY CEASED. SEE THE SOIL PROTECTION CHART PRESENTED IN THE CONSTRUCTION DOCUMENTS FOR RATES OF PERMANENT AND

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

2.3 STRUCTURAL PRACTICES

SODDING

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.



PINNACLE ENGINEERING GROUP

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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. <u>DUST CONTROL</u> 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.

VEGETATION IS ESTABLISHED.

FEATURES.

FREQUENT WATERING OF EXCAVATION AND FILL AREAS.

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

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.

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

<u>SILT FENCE</u> 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

ACTIVITIES. IF THE CRUSHED STONE DOES NOT ADEQUATELY REMOVE MUD FROM VEHICLE TIRES, THEY SHALL BE HOSED OFF BEFORE ENTERING A

DIVERSION BERM/SWALE SHALL BE CONSTRUCTED TO DIVERT RUNOFF AROUND THE SITE AND TO DIVERT RUNOFF FROM THE DISTURBED AREA TO A

CONSTRUCTION ENTRANCE SHALL BE INSTALLED TO REDUCE SOIL EROSION POLLUTANTS FROM LEAVING THE SITE DURING CONSTRUCTION

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

SEDIMENT TRAP OR OTHER CONTROL. BERMS/SWALES SHALL BE STABILIZED WITH EQUIPMENT TRACKING AND TEMPORARY SEEDING.

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

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

PAVED ROADWAY. ANY SOIL DEPOSITED ON THE PUBLIC PAVED ROAD WAY SHALL BE REMOVED IMMEDIATELY.

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

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

FOLLOWING STRUCTURAL PRACTICES ARE TO BE UTILIZED DURING THIS PROJECT.

CONTROL DEVICE WHERE SEDIMENTATION RUNOFF IS DISCOVERED.

DITCH CHECK (STRAW BALES) - 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. <u>SEDIMENT TRAP</u> - 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.

STRIPPING SHALL NOT OCCUR UNTIL ALL DOWNSTREAM SEDIMENT CONTROLS ARE IN PLACE.

# LINDENGROVE

# WAUKESHA, WI

## **INLET PROTECTION**

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3 INCHES. WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3 INCHES CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4 INCHES FROM THE BOTTOM OF THE BAG.

(2) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2 INCH X 4 INCH. DO NOT INSTALL INLET PROTECTION TYPE "D" IN INLETS SHALLOWER THAN 30 INCHES, MEASURED FROM THE BOTTOM OF THE INLET

- FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10 INCHES AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIA FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.
- OR REPLACED AT THE DIRECTION OF THE ENGINEER MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE WISDOT EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.
- INLET PROTECTION DEVICES SHALL BE MAINTAINED
- FOR INLETS WITH CAST CURB BOX USE WOOD -2"x4", EXTEND 10" BEYOND GRATE WIDTH ON BOTH SIDES, LENGTH VARIES. SECURE TO GRATE WITH WIRE OR PLASTIC TIES.

# CONSTRUCTION ENTRANCE

- 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.
- ANY SEDIMENT TRACKED ONTO A PUBLIC OR PRIVATE ROAD SHOULD BE REMOVED BY STREET CLEANING, NOT FLUSHING, AT THE END OF EACH WORKING DAY.
- 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
- SPECIFICATION 592 GEOTEXTILE, TABLE 1 OR 2, CLASS I, II OR IV, TO PREVENT MIGRATION OF UNDERLYING SOILS INTO THE STONE LAYER.
- 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
- A 3-INCH SIEVE
- TRACKING PADS SHALL BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE SITE. CONTRACTOR SHALL VERIFY LOCATION WITH OWNER. THE AGGREGATE FOR TRACKING PADS SHALL BE 3 TO 6 INCH CLEAR OR WASHED STONE. ALL MATERIALS TO BE RETAINED ON
- 1. ALL TRACKING PAD MATERIALS AND INSTALLATION SHALL BE IN CONFORMANCE WITH WI DNR TECHNICAL STANDARD 1057.

# <u>NOTES</u>

EXISTING PAVEMENT

# OR CLEAR STONE

5.0 INSPECTION

INSPECTION.

6.0 SPILL PREVENTION

6.2 SPILL CONTROL PRACTICES

GENERAL INFORMATION:

SWPPP AVAILABILITY:

**KEEPING PLANS CURRENT:** 

RETENTION OF RECORDS

THE PERMITS.

STABILIZATION.

STORMWATER INSPECTOR, OR OTHER TRAINED INDIVIDUAL.

6.1 GENERAL MATERIAL MANAGEMENT PRACTICES

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

3. PERSONNEL CLEANING UP A SPILL SHALL USE PERSONAL PROTECTIVE EQUIPMENT.



PROFILE VIEW

# 3" TO 6" WASHED





WPDES NOTICE OF TERMINATION GUIDANCE:

### 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.

# 4.0 EROSION AND SEDIMENT STRUCTURAL PRACTICE MAINTENANCE

# <u>STREET SWEEPING</u> SHALL BE PERFORMED TO IMMEDIATELY REMOVE ANY SEDIMENT TRACKED ON PAVEMENTS.

### 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

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

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.

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.

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.

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 NO. WI-S067831-4) 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 EXECUTED OWNER CERTIFICATION AND THE CONTRACTOR CERTIFICATIONS SHALL BE KEPT ONSITE WITH THE APPROVED PLANS.

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

### 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.

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.

### WHEN A SITE HAS BEEN FINALLY STABILIZED AND ALL STORMWATER DISCHARGES FROM CONSTRUCTION SITES THAT ARE AUTHORIZED BY THE PERMIT ELIMINATED, THE OWNER OF THE FACILITY MUST SUBMIT A COMPLETED NOTICE OF TERMINATION THAT IS SIGNED IN ACCORD 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	TEMPORARY SEEDING	PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING IS NOT DESIRED OR TIME OF YEAR IS INAPPROPRIATE.
COVER	PERMANENT SEEDING	PROVIDES PERMANENT VEGETATIVE COVER TO CONTROL EROSION, FILTERS SEDIMENT FROM WATER. MAY BE PART OF FINAL LANDSCAPE PLAN.
NON VEGETATIVE	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.
SOIL COVER	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.
	SILT FENCE	PLACED DOWN SLOPE OF DISTURBED AREA TO KEEP RUNOFF CONTAINED ON-SITE.
SEDIMENT	INLET PROTECTION	INSTALLED IN OPEN GRATE STRUCTURES TO COLLECT SEDIMENT.
TIETERO	DITCH CHECK	PLACED IN DRAINAGE CHANNELS TO FILTER SEDIMENT FROM RUNOFF.
MUD AND	CONSTRUCTION ENTRANCE	REDUCES SOIL EROSION POLLUTANTS BEING TRANSPORTED OFF-SITE.
DUST	STREET SWEEPING	REDUCES POLLUTANTS TRACKED FROM CONSTRUCTION SITE.
CONTROL	DUST CONTROL	PREVENTS DUST FROM LEAVING CONSTRUCTION SITE.

### STABILIZATION EFFECTIVENESS (TIME OF YEAR)

		S	БТАВ	ILIZA	TION	Ι υτι	LIZA	ΤΙΟΝ	PER	IODS		
STABILIZATION TIPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING			Ą	*	*	*	*	*	* \			
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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.



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** 

CONSTRUCTION DETAILS

REVISIONS



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CARDNO / JF New, Inc.		
www.cardnojfnew.com	6140 Cottonwood Road	6605 Steger Road
128 Sunset Drive	Suite A	Suite A
Walkerton, Indiana 46574	Fitchburg, Wisconsin 53719	Monee, Illinois 60449
Ph: 574-586-3400	Ph: 608-661-2965	Ph: 708-534-3450

### **Stormwater Seed Mix**

For Use on Stormwater Management Ponds (SMP) side slopes to Normal Water Line (NWL)

Botanical Name	Common Name		Ounces/Acre
Permanent Grasses/Sedges/Rushes:			
Carex cristatella	Crested Oval Sedge		1.00
Carex frankii	Bristly Cattail Sedge		1.00
Carex Iurida	Bottlebrush Sedge		2.00
Carex sparganioidex v. cephaloidea	Rough-Clustered Sedge		2.00
Carex vulpinoidea	Brown Fox Sedge		6.00
Eleocharis ovata	Blunt Spike Rush		0.50
Elymus virginicus	Virginia Wild Rye		12.00
Glyceria striata	Fowl Manna Grass		1.25
Juncus effusus	Common Rush		1.00
Juncus torreyi	Torrey's Rush		0.25
Leersia oryzoides	Rice Cut Grass		1.00
Panicum virgatum	Switch Grass		2.00
Scirpus atrovirens	Dark Green Rush		1.00
Scirpus cyperinus	Wool Grass		0.50
Scirpus fluviatilis	River Bulrush		0.25
Scirpus validus	Great Bulrush		6.00
		Total	45.75
Temporary Cover:			
Avena sativa	Common Oat		360.00
Lolium multiflorum	Annual Rye		116.00
		Total	476.00
Forbs:			
Alisma spp.	Water Plantain (Various Mix)		4.25
Asclepias incarnata	Swamp Milkweed		1.50
Bidens spp.	Bidens (Various Mix)		2.00
Helenium autumnale	Sneezeweed		3.00
Mimulus ringens	Monkey Flower		1.00
Penthorum sedoides	Ditch Stonecrop		0.50
Polygonum pensylvanicum	Pinkweed		4.00
Rudbeckia subtomentosa	Sweet Black-Eyed Susan		1.00
Sagittaria latifolia	Broad-Leaf Arrowhead		1.00
Senna hebecarpa	Wild Senna		1.00
Thalictrum dasycarpum	Purple Meadow Rue		2.00
		Total	21.25
Approximate area of coverage: Total area (SF) of coverage surrounding	SWM ponds:		5,800

Total area (acres) of coverage surrounding SWM ponds: STORMWATER SEED MIX MATRIX



0.13

ORNAMENTAL TREES (DECIDUOUS) ABS Autumn Brilliance Serviceberry AFC Adams Flowering Crabapple

JTL Ivory Silk Japanese Tree Lilac

EVERGREEN TREES FVJ Fairview Upright Juniper (upright)

DECIDUOUS SHRUBS

EVERGREEN SHRUBS GVB Green Velvet Boxwood KCPJ Kallay Compact Pfitzer Juniper

TIY Taunton Intermediate Yew

HC	Peking (Hedge) Cotoneaster
DF	Dwarf Fothergilla
IH	Incrediball Hydrangea
UH	Unique Hydrangea
GLS	Gro Low Fragrant Sumac
WKOSR	White Knock Out Shrub Rose
DKOSR	Double Pink Knock Out Rose
FDHR	Frau Dagmar Hastrup Rugosa Rose
PPSR	Pink Pavement Series Rose
GMS	Goldmound Spirea
NFS	Neon Flash Spirea
MKL	Miss Kim Dwarf Lilac
I/CV/	Free and Kenness in Athenses

KSV Fragrant Koreanspice Viburnum MV Mohican Viburnum WRW Wine & Roses Compact Wiegela

ORNAMENTAL GRASSES KFRG Karl Foerster Feather Reed Grass ORG Overdam Feather Reed Grass SVMG Silver Variegated Maidengrass NWSG Northwind Switch Grass PDS Prairie Dropseed

HERBACEOUS PERENNIALS



One Redwood Court Racine, Wisconsin 53402 ph 262.639.9733 fx 262.639.9737 david@wdavidheller.com DA Deutschland Astible (White) RA Rhineland Astilbe (Pink) GF Ghost Fern PCF Magnus Purple Coneflower HRD Happy Returns Daylilly RRD Rosy Returns Daylilly MDL Catherine Woodbury Daylilly (Soft Pink) MDL Hyperion Daylilly (Lemon Yellow) MDL Summer Wine Daylilly (Maroon) MRCB Midnight Rose Coralbells PPCB Palace Purple Coralbells FH Francee Hosta EH Elegans Bigleaf Hosta CBSI Caesars' Brother Siberian Iris BSD Becky Shasta Daisy OL Othello Ligularia KKC Dwarf Catmint BES Black-eyed Susan

PLANT ABBREVIATON KEY  $\overline{\ }$ 

PINNACLE ENGINEERING GROUP



EXISTING TREES TO REMAIN -

ist.







1. Contractor responsible for contacting Diggers Hotline (811 or 800-242-8511) to have site marked prior to excavation or planting.

2. Contractor to verify all plant quantities shown on Plant & Material List and landscape planting symbols and report any discrepancies to Landscape Architect or General Contractor.

3. All plantings shall comply with standards as described in American Standard of Nursery Stock - Z60.1 ANSI (latest version). Landscape Architect reserves the right to inspect, and potentially reject any plants that are inferior, compromised, undersized, diseased, improperly transported, installed incorrectly or damaged. No sub-standard "B Grade" or "Park Grade" plant material shall be accepted. Plant material shall originate from nursery(ies) with a similar climate as the planting site.

4. Any potential plant substitutions must be approved by Landscape Architect or Owner. All plants must be installed as per sizes indicated on Plant & Material Schedule, unless approved by Landscape Architect. Any changes to sizes shown on plan must be submitted in writing to the Landscape Architect prior to installation.

5. Topspoil in Parking Lot Islands (if applicable): All parking lot islands to be backfilled with topsoil to a minimum depth of 18" to insure long-term plant health. Topsoil should be placed within 3" of finish grade by General Contractor / Excavation Contractor during rough grading operations/activity. The landscape contractor shall be responsible for the fine grading of all disturbed areas, planting bed areas, and lawn areas. Crown all parking lot islands a minimum of 6" to provide proper drainage, unless otherwise specified.

6. Tree Planting: Plant all trees slightly higher than finished grade at the root flare. Remove excess soil from the top of the root ball, if needed. Remove and discard non-biodegradable ball wrapping and support wire. Removed biodegradable burlap and wire cage (if present) from the top  $\frac{1}{3}$  of the rootball and carefully bend remaining wire down to the bottom of the hole. Once the tree has been placed into the hole and will no longer be moved, score the remaining  $\frac{2}{3}$  of the burlap and remove the twine. Provide three slow release fertilizer for each tree planted.

7. Tree Planting: Backfill tree planting holes 80% existing soils removed from excavation and 20% plant starter mix. Avoid air pockets and do not tamp soil down. Discard any gravel, rocks, heavy clay, or concrete pieces. When hole is  $\frac{2}{3}$  full, trees shall be watered thoroughly, and water left to soak in before proceeding to fill the remainder of the hole. Water again to full soak in the new planting. Each tree shall receive a 3" deep, 4-5' diameter (see planting details or planting plan) shredded hardwood bark mulch ring around all trees planted in lawn areas. Do not build up any mulch onto the trunk of any tree. Trees that are installed incorrectly will be replaced at the time and expense of the Landscape Contractor.

8. Shrub Planting: All shrubs to be planted in groupings as indicated on the Landscape Plan. Install with the planting of shrubs a <sup>50</sup>/<sub>50</sub> mix of plant starter with topsoil. Install topsoil into all plant beds as needed to achieve proper grade and displace undesirable soil (see planting detail). Remove all excessive gravel, clay and stones from plant beds prior to planting. When hole(s) are  $\frac{2}{3}$  full, shrubs shall be watered thoroughly, and water left to soak in before proceeding. Provide slow-release fertilizer packets at the rater of 1 per 24" height/diamter of shrub at planting.

9. Mulching: All tree and shrub planting beds to receive a 3" deep layer of high quality shredded hardwood bark mulch (not pigment dyed or enviro-mulch). All perennial planting areas (groupings) shall receive a 2" layer of shredded hardwood bark mulch, and groundcover areas a 1-2" layer of the same mulch. Do not mulch annual flower beds (if applicable). Do not allow mulch to contact plant stems and tree trunks.

10. Edging: All planting beds shall be edged with a 4" deep spade edge using a flat landscape spade or a mechanical edger. Bedlines are to be cut crisp, smooth as per plan. A clean definition between landscape beds and lawn is required. Pack mulch against lawn edge to hold in place.

11. Plant bed preparation/Soil Amendment composition: All perennial, groundcover and annual areas (if applicable) are required to receive a blend of organic soil (Soil Amendments) amendments prior to installation. Roto-till the following materials at the following ratio, into existing soil beds or installed topsoil beds to a depth of approximately 8"-10". Containerized and balled & burlapped plant material should be back-filled with amended soil:

Per 100 SF of bed area (Soil Amendment composition): <sup>3</sup>/<sub>4</sub> CY Peat Moss or Mushroom Compost

<sup>3</sup>/<sub>4</sub> CY blended/pulverized Topsoil  $\frac{1}{4}$  CY composted manure

2 Ibs Starter Fertilizer

In roto-tilled beds only, also include in above mixture:

12. Lawn Installation for all sodded turfgrass areas: Contractor to furnish and prepare blended topsoil (2" minimum) and sod bed, removing all debris and stones ½" and larger. Apply a 10-10-10 starter lawn fertilizer uniformly throughout areas prior to laying sod. Use only premium sod blend according to TPI (revised 1995) and ASPA Standards. Install sod uniformly with staggered joints, laid tightly end to end and side to side. Roll sod with a walk behind roller and water immediately upon installation to a 3" depth. Stake any sod installed on slopes steeper than 1:3, and in all swale applications. Contractor is responsible to provide a smooth, uniform, healthy turf, and is responsible for the first two mowings of the newly installed turf, and is also responsible for watering during this period.

13. Installation preparation for all seeded areas: remove/kill off any existing unwanted vegetation prior to seeding. Prepare the topsoil (if adequate or provide as in item #6 above) and seed bed by removing all surface stones 1" or larger. Apply a starter fertilizer and specified seed uniformly at the specified rate, and provide mulch covering suitable to germinate and establish turf. Provide seed and fertilizer specifications to Landscape Architect and Owner prior to installation. Erosion control measures are to be used in swales and on slopes in excess of 1:3 and where applicable (see Civil Engineering Drawings). Methods of installation may vary are the discretion of the Landscape Contractor on his/her responsibility to establish and guarantee a smooth, uniform, guality turf. A minimum of 2" of blended, prepared and non-compacted topsoil is required for all lawn areas. If straw mulch is used as a mulch covering, a tackifier may be necessary to avoid wind dispersal of mulch covering. Marsh hay containing reed canary grass is NOT acceptable as a mulch covering.

- An acceptable quality seed installation is defined as having:
- No bare spots larger than one (1) square foot No more than 10% of the total area with bare areas larger than one (1) square foot
- A uniform coverage through all turf areas

14. No-Mow seed areas: "No-Mow" fine fescue seed mix with annual rye nurse crop (available at Cedar Creek Seed Farm 888-313-6807; or Prairie Nursery 608-296-3679) or approved equivalent mix from a reputable seed mix provider. Apply at 220 lbs per acre or at rate recommended by supplier. Prepare seed bed and soil as specified in item #13 above.

15. Native Prairie Seed Mix / Stormwater Seed Mix: Native seed mixes as listed on the Plant and Material List or other seeding schedules outlined on the landscape plan set. Seed mixes available from Prairie Nursery 608-296-3679 or JF New 608-848-1789 or approved equivalent mix from a reputable seed mix provider. Apply at rates specified herein, or per supplier recommendation. Prepare soil and seed bed as in item #13 above.

16. Warranty and Replacements: All plantings are to be watered thoroughly at the time of planting, through construction and upon completion of project as required. Trees, Evergreens, and Shrubs (deciduous and evergreen) shall be guaranteed (100% replacement) for a minimum of one (1) year from the date of project completion. Perennials, groundcovers, and ornamental grasses shall be guaranteed for a minimum of one (1) growing season. Perennials, groundcovers, and ornamental grasses planted after September 15th shall be guaranteed through May 31st of the following year. Only one replacement per plant will be required during the warranty period, except for losses or replacements due to failure to comply with specified requirements. Watering and general ongoing maintenance instructions are to be supplied by the Landscape Contractor to the Owner upon completion of the project.

17. The Landscape Contractor is responsible for the watering and maintenance of all landscape areas for a period of 45 days after the substantial completion of the landscape installation. This shall include all trees, shrubs, evergreens, perennials, ornamental grasses, turf grass, no-mow grass, and native prairie seed mix / stormwater seed mix. Work also includes weeding, edging, mulching (only if required), fertilizing, trimming, sweeping up grass clippings, pruning and deadheading.

18. Project Completion: Landscape Contractor is responsible to conduct a final review of the project, upon completion, with the Landscape Architect, Client or Owner / Client Representative, and the General Contractor to answer questions, provide written care instructions for new plantings and turf, and insure that all specifications have been met.

# LANDSCAPE GENERAL NOTES



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# INDEN GROVE WAUKESHA - LANDSCAPE NOTES & DETAILS

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RUNE OUT DEAD & BROKEN BRANCHES; RETAIN ORMAL PLANT SHAPE.		POSTMAS	STER STEEL POS	
3" AVERAGE DEPTH MULCH OVER SOIL RING; DO OT PLACE MULCH AGAINST STEMS, OR BURY DTTOM BRANCHES.				
EMOVE BURLAP AND SYNTHETIC TWINE FROM TOP OF ROOTBALL. SCORE REMAINING ⅔ OF BURLAP. ISTALL ONE SLOW RELEASE FERTILIZER PACKETS				LINEAR FEET
GAINST ROOT BALL. IG HOLE 2X WIDER THAN DIAMETER OF ROOT BALL.				
ACK FILL WITH SPECIFIED FLANTING IMX - AVOID IR POCKETS BY TAMPING MIXTURE IN 4" LIFTS. (ATER IMMEDIATELY AFTER PLANTING WITH A		E.	(TH8	
HOROUGH AND DEEP, SLOW RELEASE WATERING.		NEAR FEE		
CAREFULLY REMOVE PLANT FROM PLASTIC POT & SCORE ROOTS		Ξ	(MAXII	
کے 1" DEEP WITH A SHARP کرتر سن کی KNIFE پڑٹی کریا کی				
			$\cup$	
B PLANTING (POTTED)	(1-		AIL 6'0"	PVC PRIVAC
SECTION		N.T.S.		
	ſ		1 1	DIANTAA
		KEY	QUANTITY	BOTANICAL NAME
		Proposed	Landscape Cor	nstruction Preparation
TOP OF MULCH SHOULD BE CRESTED 1-2" ABOVE			4800	Retain Salvaged Hol Remove Existing Ho
BEDLINES ARE TO BE CUT CRISP AS PER PLAN. A     CLEAN DEFINITION BETWEEN TURF AND PLANTING     BED IS REQUIRED	ĺ	PLANT		PLANT M
— TOPSOIL / PLANTING MIX — TURF	Į	KEY Proposed	QUANTITY Landscape Ma	BOTANICAL NAME terials
		SHADE TRI	EES (DECIDUO	JS)
		GMSM	2	Acer saccharum 'Gre
		SHL	3	Gleditsia triacantho
	r	SWO	2	Quercus bicolor
		PLANT KEY	QUANTITY	PLANT MA BOTANICAL NAME
		ORNAMEN ABS	TAL TREES (DE	CIDUOUS) Amelanchier xgrand
ANT BED EDGE DETAIL SECTION		AFC	1	Malus x 'Adams'
	ľ	J12	- 	
		KEY	QUANTITY	BOTANICAL NAME
		EVERGREE FVJ	N TREES	Juniperus scopuloru
ANT SHRUB AT SAME LEVEL AS PREVIOUS ROWING CONDITION AT ROOT FLARE. RUNE OUT DEAD & BROKEN BRANCHES;	[	PLANT		PLANT M
ETAIN NORMAL PLANT SHAPE. 3" AVERAGE DEPTH MULCH OVER SOIL NG: DO NOT PLACE MULCH AGAINST	l	KEY EVERGREE		BOTANICAL NAME
TEMS. EMOVE BURLAP AND SYNTHETIC TWINE		GVB	18	Buxus 'Green Velvet
COM 100 73 OF ROOTBALL. SOORE EMAINING % OF BURLAP ONCE SHRUB IS IN LACE.		TIY	28	Taxus xmedia 'Tauto
STALL TWO SLOW RELEASE FERTILIZER ACKETS AGAINST ROOT BALL. G HOLE 2X WIDER THAN DIAMETER OF		PLANT		PLANT M
OOT BALL. ACK FILL WITH SPECIFIED PLANTING MIX - VOID AIR POCKETS BY TAMPING SOIL	l	KEY DECIDUOL	QUANTITY JS SHRUBS	BOTANICAL NAME
IXTURE IN 4" LIFTS. ATER IMMEDIATELY AFTER PLANTING WITH THOROUGH AND DEEP, SLOW RELEASE		HC DF	9 3	Cotoneaster acutifo Fothergilla gardeni
ATERING.		ін Цн	42 8	Hydrangea arboresc
		GLS	3	Rhus aromatica 'Gro
		DKOSR	25	Rosa 'Double Knock
HRUB PLANTING (B&B) SECTION		FDHR PPSR	16 9	Rosa rugosa 'Frau Da Rosa rugosa 'Pink Pa
		GMS NFS	21 13	Spirea xbumalda 'Go Spirea xbumalda 'Ne
SPACING OF ORNAMENTAL GRASS WILL VARY ON THE VARIETY OF ORNAMENTAL GRASS SELECTED SPACING PLAN - IF NOT INDICATED ON PLANT		MKL KSV	3	Syringa patula 'Miss Viburnum carlesii
& MATERIAL LIST		MV WRW	17 12	Viburnum lantana 'N Wiegela florida 'Wir
A THOROUGH AND DEEP, SLOW RELEASE WATERING. PLANTING MIX DEPTH OF 9" TO BE	1	DIANT	1	
ROTO-TILLED AT ALL PERENNIAL AREAS 1½ DOUBLE SHREDDED HARDWOOD MULCH OR LEAF COMPOST	l	KEY	QUANTITY	BOTANICAL NAME
REMOVE BROKEN, BENT, DEAD OR DISEASED LEAVES/STEMS AFTER PLANTING		KFRG	73	Calamagrostis acutif
SCORE ROOTS ON ALL SIDES; HAND TAMP INTO PLACE TO PROTECT PLANT PLANT SHRUB AT SAME LEVEL AS PREVIOUS		ORG SVMG	18 13	Calamagrostis acutif Miscanthis sinensis
GROWING CONDITION AT ROOT FLARE. SPADE EDGE WHERE PLANTING BEDS MEET LAWN AREAS.		NWSG PDS	63 14	Panicum virgatum 'N Sporobolus heterole
SCARIFY EXISTING SUBGRADE.	ĺ	PLANT	1 1	PLANT M
		KEY		BOTANICAL NAME
		DA	15	Astilbe arundsii 'Deu
		RA GF	48 18	Astilbe arundsii 'Rhi Athyrium 'Ghost'
TAL GRASS PLANTING SECTION		PCF HRD	10 62	Echinacea purpurea Hemerocallis 'Happy
		RRD MDL	64 33	Hemerocallis 'Rosy F Hemerocallis 'Cathe
		MDL MDL	33 33	Hemerocallis 'Hyper Hemerocallis 'Summ
		MRCB	9	Heuchera 'Midnight
		FH	22 20	Heuchera micrantha Hosta fortunei 'Fran
BRICK PAVER SURFACE (SALVAGED)		EH CBSI	18 19	Hosta sieboldiana 'E Iris sibirica 'Caesars'
		BSD OL	25 12	Leucanthemum xsu Ligularia dentata ' O
		KKC BES	7	Nepeta faassenii 'Ki Rudbeckia fulgida 'G
AT ENTRY DRIVE; 8" AT PATIO) COMPACTED EARTH SUBGRADE			4002	lawn Establishment
//		SWSM	0.13	Stormwater Seed M
			88270	Erosion Matting for
		SOD	230	Sodded Areas (ident
		Hardscape	Materials 175	Tree Protection Fen
INSTALLATION DETAIL SECTION			1 3025	Re-Construct / Insta Concrete Walks and
			225 150	Brick Paver Medallic
			1	Re-Installation of Co
			5	Heritage River Grave
			10 320	Aluminum Edge Res Landscape Fabric
			92	Shredded Hardwood
			61 274	Soil Amendments (2 Pulverized Topsoil (
			61	Pulverized Topsoil (
				w



PLANT		PLANT MATERIAL PROPOSED		CALIPER			
KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	UNIT	SPECIFICATION / NOTES	
posed	Landscape Cons	truction Preparation					
	250 4800	Retain Salvaged Hollandstone Brick Pavers			SF		
				1	 51		
KEY	OUANTITY	PLANT MATERIAL PROPOSED		DBH/HEIGHT SIZE	ROOT	SPECIFICATION / NOTES	
posed	Landscape Mate	erials		0.22	 neer		
ADE TR		5)					
GMSM	2	Acer saccharum 'Green Mountain'	Green Mountain Sugar Maple	2.5"	B&B	Straight central leader, full and even crown. Prune only after planting	
PPH	3	Celtis occidentalis 'Prairie Pride' Gleditsia triacanthos 'Skyline'	Prairie Pride Hackberry Skyline Honeylocust	2.5" 2.5"	B&B B&B	Straight central leader, full and even crown. Prune only after planting Straight central leader, full and even crown. Prune only after planting	
SWO	2	Quercus bicolor	Swamp White Oak	2.5"	B&B	Straight central leader, full and even crown. Prune only after planting	
					T		
KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPECIFICATION / NOTES	
	NTAL TREES (DEC	CIDUOUS)	Automo Brillianas Camiashama	7811-1-1-1-4	<b>D</b> <sup>0</sup> D		
ABS	1	Malus x 'Adams'	Autumn Brilliance Serviceberry Adams Flowering Crabapple	7" Height 7' Height	B&B B&B	Well balanced multi-stemmed tree with minimum four canes, and full appearance Well balanced multi-stemmed tree with minimum four canes, and full appearance	
JTL	4	Syringa reticulata 'Ivory Silk'	Ivory Silk Japanese Tree Lilac	2.0"	B&B	Straight central leader, full and even crown. Prune only after planting	
PLANT		PLANT MATERIAL PROPOSED		HEIGHT			
KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPECIFICATION / NOTES	
FVJ	N TREES	Juniperus scopulorum 'Fairview'	Fairview Upright Juniper (upright)	6'	B&B	Evenly shaped tree with branching to the ground	
0.000					 		
KEY	QUANTITY	PLANT MATERIAL PROPOSED BOTANICAL NAME	COMMON NAME	SHRUB SIZE (HEIGHT)	ROOT/ CONT.	SPECIFICATION / NOTES	
ERGREE	N SHRUBS			1 0.22 (	 		
GVB	18	Buxus 'Green Velvet'	Green Velvet Boxwood	15" HT	Cont.	Full rounded well branched shrub	
TIY	28	Taxus xmedia 'Tautoni'	Taunton Intermediate Yew	24" wide 24" wide	B&B	Full rounded well branched shrub	
	<u> </u>		Ĩ	CUDUD	POOT/		
KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SHRUB SIZE (HEIGHT)	CONT.	SPECIFICATION / NOTES	
	JS SHRUBS						
HC DF	9	Cotoneaster acutifolia Fothergilla gardeni	Peking (Hedge) Cotoneaster Dwarf Fothergilla	36" 24"	Cont. B&B	Full, well rooted plant, evenly shaped Full, well rounded plant with moist rootball and healthy appearance	
ін	42	Hydrangea arborescens 'Abetwo'	Incrediball Hydrangea	#5	Cont.	Full, well rooted plant, evenly shaped	
UH	8	Hydrangea paniculata 'Unique' Rhus aromatica 'Groal ow'	Unique Hydrangea Gro Low Fragrant Sumac	36" #5	Cont.	Full, well rooted plant, evenly shaped	
VKOSR	4	Rosa 'Knock Out' (White)	White Knock Out Shrub Rose	18"	Cont.	Full, well rooted plant, evenly shaped	
KOSR	25	Rosa 'Double Knock Out' (Pink)	Double Pink Knock Out Rose	18"	Cont.	Full, well rooted plant, evenly shaped	
PPSR	9	Rosa rugosa 'Frau Dagmar Hastrup' Rosa rugosa 'Pink Pavement'	Frau Dagmar Hastrup Rugosa Rose Pink Pavement Series Rose	18"	Cont. Cont.	Full, well rooted plant, evenly shaped Full, well rooted plant, evenly shaped	
GMS	21	Spirea xbumalda 'Goldmound'	Goldmound Spirea	24"	Cont.	Full, well rooted plant, evenly shaped	
MFS	13 3	Spirea xbumalda 'Neon Flash' Svringa patula 'Miss Kim'	Neon Flash Spirea Miss Kim Dwarf Lilac	24" 24"	Cont. Cont.	Full, well rooted plant, evenly shaped Full, well rooted plant, evenly shaped	
KSV	6	Viburnum carlesii	Fragrant Koreanspice Viburnum	30"	Cont.	Full, well rooted plant, evenly shaped	
MV	17	Viburnum lantana 'Mohican' Wiagala florida 'Wing & Roses'	Mohican Viburnum Wine & Roses Compact Wiegela	42" 24"	B&B Cont	Full, well rounded plant with moist rootball and healthy appearance	
1/18/11	14	Wiegera nonda Wine & Noses	while & Roses compact wiegera		COIIC.		
WRW				2-7	 		
	QUANTITY	PLANT MATERIAL PROPOSED		CONTAINER			
PLANT KEY NAMEI	QUANTITY NTAL GRASSES	PLANT MATERIAL PROPOSED BOTANICAL NAME	COMMON NAME	CONTAINER		SPECIFICATION / NOTES	
PLANT KEY NAMEI KFRG	QUANTITY NTAL GRASSES 73	PLANT MATERIAL PROPOSED BOTANICAL NAME Calamagrostis acutiflora 'Karl Foerster'	COMMON NAME Karl Foerster Feather Reed Grass	CONTAINER SIZE #1	Cont.	Full, well rooted plant	
PLANT KEY NAMEI KFRG ORG SVMG	QUANTITY NTAL GRASSES 73 18 13	PLANT MATERIAL PROPOSED BOTANICAL NAME Calamagrostis acutiflora 'Karl Foerster' Calamagrostis acutiflora 'Overdam' Miscanthis sinensis 'Morning Light'	COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass	CONTAINER SIZE #1 #1 #1 #1	Cont. Cont. Cont.	Full, well rooted plant Full, well rooted plant Full, well rooted plant Full, well rooted plant Full, well rooted plant	
PLANT KEY NAMEI KFRG ORG SVMG VWSG	QUANTITY NTAL GRASSES 73 18 13 63	PLANT MATERIAL PROPOSED BOTANICAL NAME Calamagrostis acutiflora 'Karl Foerster' Calamagrostis acutiflora 'Overdam' Miscanthis sinensis 'Morning Light' Panicum virgatum 'Northwind'	COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass	CONTAINER SIZE #1 #1 #1 #1 #1	Cont. Cont. Cont. Cont.	Full, well rooted plant Full, well rooted plant	
PLANT KEY NAMEI KFRG ORG SVMG VWSG PDS	QUANTITY TAL GRASSES 73 18 13 63 14	PLANT MATERIAL PROPOSED BOTANICAL NAME Calamagrostis acutiflora 'Karl Foerster' Calamagrostis acutiflora 'Overdam' Miscanthis sinensis 'Morning Light' Panicum virgatum 'Northwind' Sporobolus heterolepis	COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie Dropseed	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1	Cont. Cont. Cont. Cont. Cont.	Full, well rooted plant Full, well rooted plant	
PLANT KEY NAMEI KFRG ORG SVMG VWSG PDS PLANT	QUANTITY TAL GRASSES 73 18 13 63 14	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Overdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED	COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie Dropseed	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 CONTAINER	Cont. Cont. Cont. Cont. Cont.	Full, well rooted plant Full, well rooted plant	
PLANT KEY NAMEI KFRG ORG SVMG VWSG PDS PLANT KEY RBACEG	QUANTITY NTAL GRASSES 73 18 13 63 14 QUANTITY DUS PERENNIAL	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Verdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME	COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie Dropseed COMMON NAME	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 CONTAINER SIZE	Cont. Cont. Cont. Cont. Cont.	SPECIFICATION / NOTES         Full, well rooted plant         SPECIFICATION / NOTES	
PLANT KEY NAMEI KFRG ORG SVMG VWSG PDS PLANT KEY RBACEC DA	QUANTITY NTAL GRASSES 73 18 13 63 14 QUANTITY DUS PERENNIAL 15	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Verdam'         Calamagrostis acutiflora 'Overdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME         S         Astilbe arundsii 'Deutchland'	COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie Dropseed COMMON NAME Deutschland Astible (White)	CONTAINER SIZE #1 #1 #1 #1 #1 #1 CONTAINER SIZE #1	Cont. Cont. Cont. Cont. Cont.	SPECIFICATION / NOTES         Full, well rooted plant	
PLANT KEY NAMEI KFRG ORG SVMG VWSG PDS PLANT KEY RBACEC DA RA GE	QUANTITY VTAL GRASSES 73 18 13 63 14 QUANTITY DUS PERENNIAL 15 48 18	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Verdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME         S         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Rhineland'         Athyrium 'Ghost'	COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie Dropseed COMMON NAME Deutschland Astible (White) Rhineland Astible (Pink) Ghost Fern	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 CONTAINER SIZE #1 #1 #1	Cont. Cont. Cont. Cont. Cont. Cont. Cont.	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant         Full, well rooted plant         SPECIFICATION / NOTES         Full, well rooted plant, evenly shaped	
VRW PLANT KEY NAMEI KFRG ORG SVMG VWSG PDS PLANT KEY RBACEC DA RA GF PCF	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY OUS PERENNIAL 15 48 18 10	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Verdam'         Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME         S         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Rhineland'         Athyrium 'Ghost'         Echinacea purpurea 'Magnus'	COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie Dropseed COMMON NAME Deutschland Astible (White) Rhineland Astible (Pink) Ghost Fern Magnus Purple Coneflower	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 \$IZE #1 #1 #1 #1 #1	Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont.	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant         Full, well rooted plant         SPECIFICATION / NOTES         Full, well rooted plant, evenly shaped	
VRW PLANT KEY NAMEI KFRG ORG SVMG PUS PLANT KEY RBACEC DA RA GF PCF HRD PRD	QUANTITY NTAL GRASSES 73 18 13 63 14 QUANTITY DUS PERENNIAL 15 48 18 10 62 54	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Overdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME         S         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Rhineland'         Athyrium 'Ghost'         Echinacea purpurea 'Magnus'         Hemerocallis 'Happy Returns'         Hamerocallis 'Brow Batuma'	COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie Dropseed COMMON NAME Deutschland Astible (White) Rhineland Astible (Pink) Ghost Fern Magnus Purple Coneflower Happy Returns Daylilly	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont.	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped	
VRW PLANT KEY NAMEI KFRG ORG SVMG PDS PLANT KEY DA RBACEC DA RA GF PCF HRD RRD MDL	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY OUS PERENNIAL 15 48 18 10 62 64 33	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Overdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME         S         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Rhineland'         Athyrium 'Ghost'         Echinacea purpurea 'Magnus'         Hemerocallis 'Rosy Returns'         Hemerocallis 'Rosy Returns'         Hemerocallis 'Catherine Woodbury'	COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie Dropseed COMMON NAME Deutschland Astible (White) Rhineland Astible (Pink) Ghost Fern Magnus Purple Coneflower Happy Returns Daylilly Rosy Returns Daylilly Catherine Woodbury Daylilly (Soft Pink)	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont.	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped </td	
PLANT KEY NAMEI KFRG ORG SVMG VWSG PDS PLANT KEY RBACEC DA RA GF PCF HRD RRD MDL MDL	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY OUS PERENNIAL 15 48 18 10 62 64 33 33 22	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Overdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME         S         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Rhineland'         Athyrium 'Ghost'         Echinacea purpurea 'Magnus'         Hemerocallis 'Happy Returns'         Hemerocallis 'Catherine Woodbury'         Hemerocallis 'Hyperion'         Humerocallis 'Hyperion'	COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie Dropseed COMMON NAME Deutschland Astible (White) Rhineland Astible (Pink) Ghost Fern Magnus Purple Coneflower Happy Returns Daylilly Rosy Returns Daylilly Catherine Woodbury Daylilly (Soft Pink) Hyperion Daylilly (Lemon Yellow)	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont.	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped (mix three varieties equally)	
VRW PLANT KEY NAMEI KFRG ORG SVMG VWSG PDS PLANT KEY RBACEC DA RA GF PCF HRD RRD MDL MDL MDL MDL MDL MRCB	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY OUS PERENNIAL 15 48 18 10 62 64 33 33 33 9	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Overdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME         S         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Rhineland'         Athyrium 'Ghost'         Echinacea purpurea 'Magnus'         Hemerocallis 'Rosy Returns'         Hemerocallis 'Catherine Woodbury'         Hemerocallis 'Summer Wine'         Heuchera 'Midnight Rose'	COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie Dropseed COMMON NAME Deutschland Astible (White) Rhineland Astible (Pink) Ghost Fern Magnus Purple Coneflower Happy Returns Daylilly Rosy Returns Daylilly Catherine Woodbury Daylilly (Soft Pink) Hyperion Daylilly (Lemon Yellow) Summer Wine Daylilly (Maroon) Midnight Rose Coralbells	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. Cont.	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped (mix thr	
VRW PLANT KEY NAMEI KFRG ORG SVMG VWSG PDS PLANT KEY RBACEC DA RA GF PCF HRD RRD MDL MDL MDL MDL MDL MDL MCB PPCB	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY DUS PERENNIAL 15 48 18 10 62 64 33 33 33 9 22	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Overdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME         S         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Bhineland'         Athyrium 'Ghost'         Echinacea purpurea 'Magnus'         Hemerocallis 'Happy Returns'         Hemerocallis 'Catherine Woodbury'         Hemerocallis 'Summer Wine'         Heuchera 'Midnight Rose'         Heuchera micrantha 'Palace Purple'	COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie Dropseed COMMON NAME Deutschland Astible (White) Rhineland Astible (Pink) Ghost Fern Magnus Purple Coneflower Happy Returns Daylilly Rosy Returns Daylilly Catherine Woodbury Daylilly (Soft Pink) Hyperion Daylilly (Lemon Yellow) Summer Wine Daylilly (Maroon) Midnight Rose Coralbells Palace Purple Coralbells	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont. Cont.	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped	
VRW PLANT KEY NAMEI KFRG ORG ORG SVMG PDS PLANT KEY RBACEC DA RA GF PCF HRD RRD MDL MDL MDL MDL MDL MDL MDL MD	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY OUS PERENNIAL 15 48 18 10 62 64 33 33 33 9 22 20 18	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Overdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME         S         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Rhineland'         Athyrium 'Ghost'         Echinacea purpurea 'Magnus'         Hemerocallis 'Happy Returns'         Hemerocallis 'Catherine Woodbury'         Hemerocallis 'Summer Wine'         Heuchera 'Midnight Rose'         Heuchera micrantha 'Palace Purple'         Hosta fortunei 'Francee'         Hosta sieboldiana 'Elegans'	COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie Dropseed COMMON NAME Deutschland Astible (White) Rhineland Astible (Pink) Ghost Fern Magnus Purple Coneflower Happy Returns Daylilly Catherine Woodbury Daylilly (Soft Pink) Hyperion Daylilly (Lemon Yellow) Summer Wine Daylilly (Maroon) Midnight Rose Coralbells Palace Purple Coralbells Francee Hosta Elegans Bigleaf Hosta	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. Cont.	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped	
VRW PLANT KEY NAMEI KFRG ORG SVMG PDS PLANT KEY RBACEC DA RA GF PCF HRD RRD MDL MDL MDL MDL MDL MDL MDL MD	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY OUS PERENNIAL 15 48 18 10 62 64 33 33 33 9 22 20 18 19	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Overdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME         S         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Rhineland'         Athyrium 'Ghost'         Echinacea purpurea 'Magnus'         Hemerocallis 'Happy Returns'         Hemerocallis 'Catherine Woodbury'         Hemerocallis 'Summer Wine'         Heuchera 'Midnight Rose'         Heuchera micrantha 'Palace Purple'         Hosta fortunei 'Francee'         Hosta sieboldiana 'Elegans'         Iris sibirica 'Caesars' Brother'	COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie Dropseed COMMON NAME Deutschland Astible (White) Rhineland Astible (Pink) Ghost Fern Magnus Purple Coneflower Happy Returns Daylilly Rosy Returns Daylilly Rosy Returns Daylilly Catherine Woodbury Daylilly (Soft Pink) Hyperion Daylilly (Lemon Yellow) Summer Wine Daylilly (Maroon) Midnight Rose Coralbells Palace Purple Coralbells Francee Hosta Elegans Bigleaf Hosta Caesars' Brother Siberian Iris	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. Cont.	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped <td colspan<="" td=""></td>	
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VRW PLANT KEY NAMEI KFRG ORG ORG SVMG PDS PLANT KEY RBACEC DA RA GF PCF HRD RRD MDL MDL MDL MDL MDL MDL MDL MD	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY OUS PERENNIAL 15 48 10 62 64 33 33 33 9 22 20 18 19 25 12 7	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Overdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME         S         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Rhineland'         Athyrium 'Ghost'         Echinacea purpurea 'Magnus'         Hemerocallis 'Happy Returns'         Hemerocallis 'Rosy Returns'         Hemerocallis 'Catherine Woodbury'         Hemerocallis 'Summer Wine'         Heuchera 'Midnight Rose'         Heuchera micrantha 'Palace Purple'         Hosta fortunei 'Francee'         Hosta sieboldiana 'Elegans'         Iris sibirica 'Caesars' Brother'         Leucanthemum xsuperbum 'Becky'         Ligularia dentata 'Othello'         Nepeta faassenii 'Kit Cat'	COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie Dropseed COMMON NAME Deutschland Astible (White) Rhineland Astible (Pink) Ghost Fern Magnus Purple Coneflower Happy Returns Daylilly Catherine Woodbury Daylilly (Soft Pink) Hyperion Daylilly (Lemon Yellow) Summer Wine Daylilly (Maroon) Midnight Rose Coralbells Palace Purple Coralbells Francee Hosta Elegans Bigleaf Hosta Caesars' Brother Siberian Iris Becky Shasta Daisy Othello Ligularia Dwarf Catmint	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. Cont.	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped<	
VRW PLANT KEY NAMEI KFRG ORG SVMG PDS PLANT KEY RBACEC DA RA GF PCF HRD RRD MDL MDL MDL MDL MDL MDL MDL MD	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY OUS PERENNIAL 15 48 18 10 62 64 33 33 33 9 22 20 18 19 25 12 7 9	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Overdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME         S         Astilbe arundsii 'Deutchland'         Astyribe arundsii 'Rappy Returns'         Hemerocallis 'Happy Returns'         Hemerocallis 'Summer Wine' </td <td>COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie Dropseed COMMON NAME Deutschland Astible (White) Rhineland Astible (Pink) Ghost Fern Magnus Purple Coneflower Happy Returns Daylilly Rosy Returns Daylilly Catherine Woodbury Daylilly (Soft Pink) Hyperion Daylilly (Lemon Yellow) Summer Wine Daylilly (Maroon) Midnight Rose Coralbells Palace Purple Coralbells Francee Hosta Elegans Bigleaf Hosta Caesars' Brother Siberian Iris Becky Shasta Daisy Othello Ligularia Dwarf Catmint Black-eyed Susan</td> <td>CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1</td> <td>Cont. Cont.</td> <td>SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped&lt;</td>	COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie Dropseed COMMON NAME Deutschland Astible (White) Rhineland Astible (Pink) Ghost Fern Magnus Purple Coneflower Happy Returns Daylilly Rosy Returns Daylilly Catherine Woodbury Daylilly (Soft Pink) Hyperion Daylilly (Lemon Yellow) Summer Wine Daylilly (Maroon) Midnight Rose Coralbells Palace Purple Coralbells Francee Hosta Elegans Bigleaf Hosta Caesars' Brother Siberian Iris Becky Shasta Daisy Othello Ligularia Dwarf Catmint Black-eyed Susan	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. Cont.	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped<	
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VRW PLANT KEY NAMEI KFRG ORG ORG ORG VWSG PDS PLANT KEY RBACEC DA RA GF PCF HRD RRD MDL MDL MDL MDL MDL MDL MDL MD	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY DUS PERENNIAL 15 48 18 10 62 64 33 33 33 9 22 20 18 19 25 12 7 9 4002 0.13 88270	PLANT MATERIAL PROPOSED           BOTANICAL NAME           Calamagrostis acutiflora 'Karl Foerster'           Calamagrostis acutiflora 'Overdam'           Miscanthis sinensis 'Morning Light'           Panicum virgatum 'Northwind'           Sporobolus heterolepis           PLANT MATERIAL PROPOSED           BOTANICAL NAME           S           Astilbe arundsii 'Deutchland'           Astilbe arundsii 'Rhineland'           Athyrium 'Ghost'           Echinacea purpurea 'Magnus'           Hemerocallis 'Happy Returns'           Hemerocallis 'Catherine Woodbury'           Hemerocallis 'Summer Wine'           Heuchera 'Midnight Rose'           Heuchera irrantha 'Palace Purple'           Hosta fortunei 'Francee'           Hosta sieboldiana 'Elegans'           Iris sibirica 'Caesars' Brother'           Leucanthemum xsuperbum 'Becky'           Ligularia dentata 'Othello'           Nepeta faassenii 'Kit Cat'           Rudbeckia fulgida 'Goldsturm'           Lawn Establishment Area / Grading Area           Stormwater Seed Mix	COMMON NAME Karl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie Dropseed COMMON NAME Deutschland Astible (White) Rhineland Astible (Pink) Ghost Fern Magnus Purple Coneflower Happy Returns Daylilly Catherine Woodbury Daylilly (Soft Pink) Hyperion Daylilly (Lemon Yellow) Summer Wine Daylilly (Maroon) Midnight Rose Coralbells Palace Purple Coralbells Francee Hosta Elegans Bigleaf Hosta Caesars' Brother Siberian Iris Becky Shasta Daisy Othello Ligularia Dwarf Catmint Black-eyed Susan	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. Cont.	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant         Full, well rooted plant         Full, well rooted plant         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped          Full, w	
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VRW PLANT KEY NAME KFRG ORG SVMG VWSG PDS PLANT KEY RBACEC DA RA GF PCF HRD MDL MDL MDL MDL MDL MDL MDL MD	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY 0US PERENNIAL 15 48 18 10 62 64 33 33 33 9 22 20 18 19 25 12 7 9 4002 0.13 88270 230	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Overdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME         S         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Rhineland'         Athyrium 'Ghost'         Echinacea purpurea 'Magnus'         Hemerocallis 'Rosy Returns'         Hemerocallis 'Catherine Woodbury'         Hemerocallis 'Summer Wine'         Heuchera 'Midnight Rose'         Heuchera micrantha 'Palace Purple'         Hosta sieboldiana 'Elegans'         Iris sibirica 'Caesars' Brother'         Leucanthemum xsuperbum 'Becky'         Ligularia dentata ' Othello'         Nepeta faassenii 'Kit Cat'         Rudbeckia fulgida 'Goldsturm'         Lawn Establishment Area / Grading Area         Stormwater Seed Mix         Erosion Matting for sloped seeded areas         Sodded Areas (identified on plan)	COMMON NAMEKarl Foerster Feather Reed GrassOverdam Feather Reed GrassSilver Variegated MaidengrassNorthwind Switch GrassPrairie DropseedCOMMON NAMEDeutschland Astible (White)Rhineland Astilbe (Pink)Ghost FernMagnus Purple ConeflowerHappy Returns DaylillyCatherine Woodbury Daylilly (Soft Pink)Hyperion Daylilly (Lemon Yellow)Summer Wine Daylilly (Maroon)Midnight Rose CoralbellsPrancee HostaElegans Bigleaf HostaCaesars' Brother Siberian IrisBecky Shasta DaisyOthello LigulariaDwarf CatmintBlack-eyed Susan	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. SY SF SY	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant         Full, well rooted plant         Full, well rooted plant         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped         Full, well	
VRW PLANT KEY NAMEI KFRG ORG ORG ORG ORG VWSG PDS PLANT KEY RBACEC DA RA GF PCF HRD RRD MDL MDL MDL MDL MDL MDL MDL MD	QUANTITY         TAL GRASSES         73         18         13         63         14         QUANTITY         QUANTITY         OUS PERENNIAL         15         48         18         10         62         64         33         33         9         22         20         18         19         25         12         7         9         4002         0.13         88270         230	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Overdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME         S         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Inteland'         Athyrium 'Ghost'         Echinacea purpurea 'Magnus'         Hemerocallis 'Happy Returns'         Hemerocallis 'Rosy Returns'         Hemerocallis 'Summer Wine'         Heuchera 'Midnight Rose'         Heuchera micrantha 'Palace Purple'         Hosta fortunei 'Francee'         Hosta sieboldiana 'Elegans'         Iris sibirica 'Caesars' Brother'         Leucanthemum xsuperbum 'Becky'         Ligularia dentata ' Othello'         Nepeta faassenii 'Kit Cat'         Rudbeckia fulgida 'Goldsturm'         Lawn Establishment Area / Grading Area         Stormwater Seed Mix         Erosion Matting for sloped seeded areas         Sodded Areas (identified on plan)	COMMON NAME         Karl Foerster Feather Reed Grass         Overdam Feather Reed Grass         Silver Variegated Maidengrass         Northwind Switch Grass         Prairie Dropseed         COMMON NAME         Deutschland Astible (White)         Rhineland Astible (Pink)         Ghost Fern         Magnus Purple Coneflower         Happy Returns Daylilly         Catherine Woodbury Daylilly (Soft Pink)         Hyperion Daylilly (Lemon Yellow)         Summer Wine Daylilly (Maroon)         Midnight Rose Coralbells         Palace Purple Coralbells         Francee Hosta         Elegans Bigleaf Hosta         Caesars' Brother Siberian Iris         Becky Shasta Daisy         Othello Ligularia         Dwarf Catmint         Black-eyed Susan	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. SY SY	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly s	
VRW PLANT KEY NAMEI KFRG ORG ORG ORG ORG VMSG PDS PLANT KEY RBACEC DA RA GF PCF HRD RRD MDL MDL MDL MDL MDL MDL MDL MD	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY OUS PERENNIAL 15 48 18 10 62 64 33 33 33 9 22 20 18 19 25 12 7 9 4002 0.13 88270 230 Materials 175	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Overdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME         S         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Rhineland'         Athyrium 'Ghost'         Echinacea purpurea 'Magnus'         Hemerocallis 'Happy Returns'         Hemerocallis 'Rosy Returns'         Hemerocallis 'Summer Wine'         Heuchera 'Midnight Rose'         Heuchera micrantha 'Palace Purple'         Hosta fortunei 'Francee'         Hosta sieboldiana 'Elegans'         Iris sibirica 'Caesars' Brother'         Leucanthemum xsuperbum 'Becky'         Ligularia dentata ' Othello'         Nepeta faassenii 'Kit Cat'         Rudbeckia fulgida 'Goldsturm'         Lawn Establishment Area / Grading Area         Stormwater Seed Mix         Erosion Matting for sloped seeded areas         Sodded Areas (identified on plan)	COMMON NAME         Karl Foerster Feather Reed Grass         Overdam Feather Reed Grass         Silver Variegated Maidengrass         Northwind Switch Grass         Prairie Dropseed         COMMON NAME         Deutschland Astible (White)         Rhineland Astible (Pink)         Ghost Fern         Magnus Purple Coneflower         Happy Returns Daylilly         Catherine Woodbury Daylilly (Soft Pink)         Hyperion Daylilly (Lemon Yellow)         Summer Wine Daylilly (Maroon)         Midnight Rose Coralbells         Palace Purple Coralbells         Francee Hosta         Elegans Bigleaf Hosta         Caesars' Brother Siberian Iris         Becky Shasta Daisy         Othello Ligularia         Dwarf Catmint         Black-eyed Susan	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. ConC Cont. C	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped	
VRW PLANT KEY NAMEI KFRG ORG SVMG PDS PLANT KEY RBACEC DA RA GF PCF HRD RRD MDL MDL MDL MDL MDL MDL MDL MD	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY OUS PERENNIAL 15 48 18 10 62 64 33 33 9 22 20 18 19 25 12 7 9 4002 0.13 88270 230 Materials 175 1	PLANT MATERIAL PROPOSED           BOTANICAL NAME           Calamagrostis acutiflora 'Karl Foerster'           Calamagrostis acutiflora 'Overdam'           Miscanthis sinensis 'Morning Light'           Panicum virgatum 'Northwind'           Sporobolus heterolepis           PLANT MATERIAL PROPOSED           BOTANICAL NAME           S           Astilbe arundsii 'Deutchland'           Astilbe arundsii 'Rhineland'           Athyrium 'Ghost'           Echinacea purpurea 'Magnus'           Hemerocallis 'Happy Returns'           Hemerocallis 'Catherine Woodbury'           Hemerocallis 'Summer Wine'           Heuchera 'Midnight Rose'           Heuchera micrantha 'Palace Purple'           Hosta fortunei 'Francee'           Hosta sieboldiana 'Elegans'           Iris sibirica 'Caesars' Brother'           Leucanthemum xsuperbum 'Becky'           Ligularia dentata ' Othello'           Nepeta faassenii 'Kit Cat'           Rudbeckia fulgida 'Goldsturm'           Lawn Establishment Area / Grading Area           Stormwater Seed Mix           Erosion Matting for sloped seeded areas           Sodded Areas (identified on plan)	COMMON NAMEKarl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie DropseedCOMMON NAMEDeutschland Astible (White) Rhineland Astilbe (Pink) Ghost Fern Magnus Purple Coneflower Happy Returns Daylilly Catherine Woodbury Daylilly (Soft Pink) Hyperion Daylilly (Lemon Yellow) Summer Wine Daylilly (Maroon) Midnight Rose Coralbells Prancee Hosta Elegans Bigleaf Hosta Caesars' Brother Siberian Iris Becky Shasta Daisy Othello Ligularia Dwarf Catmint Black-eyed Susansee plan for area delineation see plan for location see plan for location	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. ConCont. Con	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped<	
VRW PLANT KEY NAME KFRG ORG ORG ORG VWSG PDS PLANT KEY RBACE DA RA GF PCF HRD RRD MDL MDL MDL MDL MDL MDL MDL MD	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY OUS PERENNIAL 15 48 18 10 62 64 33 33 9 22 20 18 19 25 12 7 9 22 20 18 19 25 12 7 9 4002 0.13 88270 230 * Materials 175 1 3025 225	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Overdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME         S         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Rhineland'         Athyrium 'Ghost'         Echinacea purpurea 'Magnus'         Hemerocallis 'Happy Returns'         Hemerocallis 'Kosy Returns'         Hemerocallis 'Hyperion'         Hemerocallis 'Summer Wine'         Heuchera 'Midnight Rose'         Heuchera incrantha 'Palace Purple'         Hosta fortunei 'Francee'         Hosta sieboldiana 'Elegans'         Iris sibirica 'Caesars' Brother'         Leucanthemum xsuperbum 'Becky'         Ligularia dentata ' Othello'         Nepeta faassenii 'Kit Cat'         Rudbeckia fulgida 'Goldsturm'         Lawn Establishment Area / Grading Area         Stormwater Seed Mix         Erosion Matting for sloped seeded areas         Sodded Areas (identified on plan)	COMMON NAME         Karl Foerster Feather Reed Grass         Overdam Feather Reed Grass         Silver Variegated Maidengrass         Northwind Switch Grass         Prairie Dropseed         COMMON NAME         Deutschland Astible (White)         Rhineland Astible (Pink)         Ghost Fern         Magnus Purple Coneflower         Happy Returns Daylilly         Catherine Woodbury Daylilly (Soft Pink)         Hyperion Daylilly (Lemon Yellow)         Summer Wine Daylilly (Maroon)         Midnight Rose Coralbells         Palace Purple Coralbells         Francee Hosta         Elegans Bigleaf Hosta         Caesars' Brother Siberian Iris         Becky Shasta Daisy         Othello Ligularia         Dwarf Catmint         Black-eyed Susan	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. SY SF SF SF SF SF	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped	
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VRW PLANT KEY NAMEI KFRG ORG SVMG PDS PLANT KEY RBACEC DA RA GF PCF HRD RRD MDL MDL MDL MDL MDL MDL MDL MD	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY OUS PERENNIAL 15 48 18 10 62 64 33 33 33 9 22 20 18 19 22 20 18 19 22 20 18 19 22 20 18 19 25 12 7 9 4002 0.13 88270 230 * Materials 175 1 3025 225 150 1	PLANT MATERIAL PROPOSED           BOTANICAL NAME           Calamagrostis acutiflora 'Karl Foerster'           Calamagrostis acutiflora 'Overdam'           Miscanthis sinensis 'Morning Light'           Panicum virgatum 'Northwind'           Sporobolus heterolepis           PLANT MATERIAL PROPOSED           BOTANICAL NAME           S           Astilbe arundsii 'Deutchland'           Astilbe arundsii Rhineland'           Athyrium 'Ghost'           Echinacea purpurea 'Magnus'           Hemerocallis 'Happy Returns'           Hemerocallis 'Catherine Woodbury'           Hemerocallis 'Summer Wine'           Heuchera 'Midnight Rose'           Heuchera 'Midnight Rose'           Heuchera a Sibrica 'Caesars' Brother'           Leucanthemum superbum 'Becky'           Ligularia dentata 'Othello'           Nepeta faassenii 'Kit Cat'           Rudbeckia fulgida 'Goldsturm'           Lawn Establishment Area / Grading Area           Stormwater Seed Mix           Erosion Matting for sloped seeded areas           Sodded Areas (identified on plan)           Tree Protection Fence           Re-Construct / Install Cedar Shade Pergola           Concrete Walks and Courtyard Patio(s)           Brick Paver Medallion/Inset Pav	COMMON NAMEKarl Foerster Feather Reed Grass Overdam Feather Reed Grass Silver Variegated Maidengrass Northwind Switch Grass Prairie DropseedCOMMON NAMEDeutschland Astible (White) Rhineland Astilbe (Pink) Ghost Fern Magnus Purple Coneflower Happy Returns Daylilly Catherine Woodbury Daylilly (Soft Pink) Hyperion Daylilly (Lemon Yellow) Summer Wine Daylilly (Maroon) Midnight Rose Coralbells Palace Purple Coralbells Francee Hosta Elegans Bigleaf Hosta Caesars' Brother Siberian Iris Becky Shasta Daisy Othello Ligularia Dwarf Catmint Black-eyed Susansee plan for location see plan for location	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. ConCont. Con	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped         Full,	
VRW PLANT KEY NAME KFRG ORG SVMG VWSG PDS PLANT KEY RBACEC DA RA GF PCF HRD MDL MDL MDL MDL MDL MDL MDL MD	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY 0US PERENNIAL 15 48 18 10 62 64 33 33 9 22 20 18 19 25 12 7 9 22 20 18 19 25 12 7 9 4002 0.13 88270 230 * Materials 175 1 3025 225 150 1 3	PLANT MATERIAL PROPOSED           BOTANICAL NAME           Calamagrostis acutiflora 'Karl Foerster'           Calamagrostis acutiflora 'Overdam'           Miscanthis sinensis 'Morning Light'           Panicum virgatum 'Northwind'           Sporobolus heterolepis           PLANT MATERIAL PROPOSED           BOTANICAL NAME           S           Astilbe arundsii 'Deutchland'           Astilbe arundsii 'Rhineland'           Athyrium 'Ghost'           Echinacea purpurea 'Magnus'           Hemerocallis 'Rhineland'           Athyrium 'Ghost'           Echinacea purpurea 'Magnus'           Hemerocallis 'Rosy Returns'           Hemerocallis 'Gatherine Woodbury'           Hemerocallis 'Summer Wine'           Heuchera Midnight Rose'           Heuchera micrantha 'Palace Purple'           Hosta sieboldiana 'Elegans'           Iris sibirica 'Caesars' Brother'           Leucanthemum xsuperbum 'Becky'           Ligularia dentata 'Othello'           Nepeta faassenii 'Kit Cat'           Rudbeckia fulgida 'Goldsturm'           Lawn Establishment Area / Grading Area           Stormwater Seed Mix           Erosion Matting for sloped seeded areas           Sodded Areas (identified on plan)	COMMON NAMEKarl Foerster Feather Reed GrassOverdam Feather Reed GrassSilver Variegated MaidengrassNorthwind Switch GrassPrairie DropseedCOMMON NAMEDeutschland Astible (White)Rhineland Astilbe (Pink)Ghost FernMagnus Purple ConeflowerHappy Returns DaylillyCatherine Woodbury Daylilly (Soft Pink)Hyperion Daylilly (Lemon Yellow)Summer Wine Daylilly (Maroon)Midnight Rose CoralbellsPalace Purple CoralbellsFrancee HostaElegans Bigleaf HostaCaesars' Brother Siberian IrisBecky Shasta DaisyOthello LigulariaDwarf CatmintBlack-eyed Susansee plan for locationsee plan for lo	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. ConCont. Con	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped	
VRW PLANT KEY NAME KFRG ORG ORG ORG VWSG PDS PLANT KEY RBACE DA RA GF PCF HRD RRD MDL MDL MDL MDL MDL MDL MDL MD	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY OUS PERENNIAL 15 48 18 10 62 64 33 33 33 9 22 20 18 19 25 12 7 9 22 20 18 19 25 12 7 9 22 20 18 19 25 12 7 9 4002 0.13 88270 230 88270 230 88270 230 1 88270 230	PLANT MATERIAL PROPOSED           BOTANICAL NAME           Calamagrostis acutiflora 'Karl Foerster'           Calamagrostis acutiflora 'Overdam'           Miscanthis sinensis 'Norning Light'           Panicum virgatum 'Northwind'           Sporobolus heterolepis           PLANT MATERIAL PROPOSED           BOTANICAL NAME           S           Astilbe arundsii 'Deutchland'           Astilbe arundsii Rhineland'           Athyrium 'Ghost'           Echinacea purpurea 'Magnus'           Hemerocallis 'Happy Returns'           Hemerocallis 'Summer Wine'           Hemerocallis 'Summer Wine'           Heuchera Midnight Rose'           Heuchera micrantha 'Palace Purple'           Hosta fortunei 'Francee'           Hosta fortunei 'Francee'           Hosta fortunei 'Francee'           Hosta faassenii 'Kit Cat'           Rudbeckia fulgida 'Goldsturm'           Lawn Establishment Area / Grading Area           Stormwater Seed Mix           Erosion Matting for sloped seeded areas           Sodded Areas (identified on plan)           Tree Protection Fence           Re-Construct / Install Cedar Shade Pergola           Concrete Walks and Courtyard Patio(s)           Brick Paver Medallion/Inset Paving	COMMON NAME         Karl Foerster Feather Reed Grass         Overdam Feather Reed Grass         Silver Variegated Maidengrass         Northwind Switch Grass         Prairie Dropseed         COMMON NAME         Deutschland Astible (White)         Rhineland Astilbe (Pink)         Ghost Fern         Magnus Purple Coneflower         Happy Returns Daylilly         Catherine Woodbury Daylilly (Soft Pink)         Hyperion Daylilly (Lemon Yellow)         Summer Wine Daylilly (Maroon)         Midnight Rose Coralbells         Palace Purple Coralbells         Francee Hosta         Elegans Bigleaf Hosta         Caesars' Brother Siberian Iris         Becky Shasta Daisy         Othello Ligularia         Dwarf Catmint         Black-eyed Susan         see plan for location	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. ConCont. Con	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped         Full,	
VRW PLANT KEY NAMEI KFRG ORG SVMG VWSG PDS PLANT KEY RBACEC DA RA GF PCF HRD RDL MDL MDL MDL MDL MDL MDL MDL M	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY OUS PERENNIAL 15 48 18 10 62 64 33 33 33 9 22 20 18 19 22 20 18 19 22 20 18 19 22 20 18 19 22 20 18 19 22 20 18 19 25 12 7 9 4002 0.13 88270 230 * Materials 175 1 3025 225 150 1 1 5 10 3025	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Cverdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME         S         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Rhineland'         Athyrium 'Ghost'         Echinacea purpurea 'Magnus'         Hemerocallis 'Happy Returns'         Hemerocallis 'Gasy Returns'         Hemerocallis 'Summer Wine'         Heuchera 'Midnight Rose'         Heuchera irrancee'         Hosta fortunei 'Francee'         Hosta fortunei 'Erancee'         Hosta fortunei 'Gegans'         Iris sibirica 'Caesars' Brother'         Leucanthemum xsuperbum 'Becky'         Ligularia dentata 'Othello'         Nepeta faassenii 'Kit Cat'         Rubeckia fulgida 'Goldsturm'         Lawn Establishment Area / Grading Area         Stormwater Seed Mix         Erosion Matting for sloped seeded areas         Sodded Areas (identified on plan)         Tree Protection Fence         Re-Construct / Install Cedar Shade Pergola         Concrete Walks and Courtyard Patio(s)	COMMON NAMEKarl Foerster Feather Reed GrassOverdam Feather Reed GrassSilver Variegated MaidengrassNorthwind Switch GrassPrairie DropseedCOMMON NAMEDeutschland Astible (White)Rhineland Astilbe (Pink)Ghost FernMagnus Purple ConeflowerHappy Returns DaylillyCatherine Woodbury Daylilly (Soft Pink)Hyperion Daylilly (Lemon Yellow)Summer Wine Daylilly (Maroon)Midnight Rose CoralbellsPrancee HostaElegans Bigleaf HostaCaesars' Brother Siberian IrisBecky Shasta DaisyOthello LigulariaDwarf CatmintBlack-eyed Susansee plan for locationsee plan for locat	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. ConCont. Con	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped         Full, well rooted pl	
VRW PLANT KEY NAMEI KFRG ORG SVMG VWSG PDS PLANT KEY RBACEC DA RA GF PCF HRD RRD MDL MDL MDL MDL MDL MDL MDL MD	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY QUANTITY 15 48 18 10 62 64 33 33 9 22 20 18 19 25 12 7 9 4002 0.13 88270 230 * Materials 175 1 3025 225 150 1 1 3025 225 150 1 1 3025 205 1 1 3025 205 1 1 1 1 1 1 1 1 1 1 1 1 1	PLANT MATERIAL PROPOSED         BOTANICAL NAME         Calamagrostis acutiflora 'Karl Foerster'         Calamagrostis acutiflora 'Overdam'         Miscanthis sinensis 'Morning Light'         Panicum virgatum 'Northwind'         Sporobolus heterolepis         PLANT MATERIAL PROPOSED         BOTANICAL NAME         S         Astilbe arundsii 'Deutchland'         Astilbe arundsii 'Rhineland'         Athyrium 'Ghost'         Echinacea purpurea 'Magnus'         Hemerocallis 'Happy Returns'         Hemerocallis 'Rosy Returns'         Hemerocallis 'Summer Wine'         Heuchera 'Midnight Rose'         Heuchera micrantha 'Palace Purple'         Hosta sieboldiana 'Elegans'         Iris sibirica 'Caesars' Brother'         Leucanthemum xsuperbum 'Becky'         Ligularia dentata 'Othello'         Nepeta faassenii 'Kit Cat'         Rudbeckia fulgida 'Goldsturm'         Lawn Establishment Area / Grading Area         Stormwater Seed Mix         Erosion Matting for sloped seeded areas         Sodded Areas (identified on plan)         Tree Protection Fence         Re-Construct / Install Cedar Shade Pergola         Concrete Walks and Courtyard Patio(s)         Brick Paver Medallion/	COMMON NAME         Karl Foerster Feather Reed Grass         Overdam Feather Reed Grass         Silver Variegated Maidengrass         Northwind Switch Grass         Prairie Dropseed         COMMON NAME         Deutschland Astilbe (White)         Rhineland Astilbe (Pink)         Ghost Fern         Magnus Purple Coneflower         Happy Returns Daylilly         Rosy Returns Daylilly         Catherine Woodbury Daylilly (Soft Pink)         Hyperion Daylilly (Lemon Yellow)         Summer Wine Daylilly (Maroon)         Midnight Rose Coralbells         Palace Purple Coralbells         Francee Hosta         Elegans Bigleaf Hosta         Caesars' Brother Siberian Iris         Becky Shasta Daisy         Othello Ligularia         Dwarf Catmint         Black-eyed Susan         see plan for location	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. ConCont. Con	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped         Full, well rooted plant, evenly shaped (mix three varieties equally)         Full, well rooted plant, evenly shaped	
VRW PLANT KEY NAME KFRG ORG ORG ORG VWSG PDS PLANT KEY RBACE DA RA GF PCF HRD MDL MDL MDL MDL MDL MDL MDL MD	QUANTITY TAL GRASSES 73 18 13 63 14 QUANTITY OUS PERENNIAL 15 48 18 10 62 64 33 33 9 22 20 18 19 25 12 7 9 22 20 18 19 25 12 7 9 4002 0.13 88270 230 88270 230 88270 230 88270 230 1 88270 25 12 7 9 4002 0.13 88270 25 12 7 9 4002 0.13 88270 230 88270 230 1 8 1 9 25 12 7 9 10 13 10 25 12 7 9 10 13 10 25 12 7 9 10 10 10 10 10 10 10 10 10 10 10 10 10	PLANT MATERIAL PROPOSED           BOTANICAL NAME           Calamagrostis acutiflora 'Karl Foerster'           Calamagrostis acutiflora 'Overdam'           Miscanthis sinensis 'Morning Light'           Panicum virgatum 'Northwind'           Sporobolus heterolepis           PLANT MATERIAL PROPOSED           BOTANICAL NAME           S           Astilbe arundsii 'Deutchland'           Athyrium 'Ghost'           Echinacea purpurea 'Magnus'           Hemerocallis 'Happy Returns'           Hemerocallis 'Happy Returns'           Hemerocallis 'Summer Wine'           Heuchera 'Midnight Rose'           Lavan to fortunei 'Francee'           Hosta fortunei 'Stares' Brother'           Leucanthemum xsuperbum 'Becky'           Ligularia dentata 'Othello'           Nepeta faassenii 'Kit Cat'           Rubeckia fulgida 'Goldsturm'           Lawn Establishment Area / Grading Area           Stormwater Seed Mix           Erosion Matting for sloped seede	COMMON NAME         Karl Foerster Feather Reed Grass         Overdam Feather Reed Grass         Silver Variegated Maidengrass         Northwind Switch Grass         Prairie Dropseed         COMMON NAME         Deutschland Astible (White)         Rhineland Astible (Pink)         Ghost Fern         Magnus Purple Coneflower         Happy Returns Daylilly         Catherine Woodbury Daylilly (Soft Pink)         Hyperion Daylilly (Lemon Yellow)         Summer Wine Daylilly (Maroon)         Midnight Rose Coralbells         Palace Purple Conalbells         Francee Hosta         Elegans Bigleaf Hosta         Caesars' Brother Siberian Iris         Becky Shasta Daisy         Othello Ligularia         Dwarf Catmint         Black-eyed Susan         see plan for location	CONTAINER SIZE #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1 #1	Cont. Cont.	SPECIFICATION / NOTES         Full, well rooted plant         Full, well rooted plant, evenly shaped	

Seed Compositions:

Cedar Creek Premium Blue Tag (Ph: 888-313-6807) 10% Mid Atlantic Kentucky Bluegrass

20% Merit Kentucky Bluegrass

20% Boreal Red Fescue 20% Pennant Fine Perennial Ryegrass 10% Atlantis Kentucky Bluegrass 10% Dragon Kentucky Bluegrass 10% Palmer III Fine Perennial Ryegrass Seed at rate of 3# per 1000 SF

and notations depicted therein-shall gover

PLAN | DESIGN | DELIVER

TO OBTAIN LOCATIONS OF PARTICIPANTS UNDERGROUN FACILITIES BEFORE YOU

# G IN WISCONSIN CALL DIGGERS HOTLINE 811 or 1-800-242-8511 MILW. AREA 259-1181

WIS STATUTE 182.0175(1974) REQUIRES MIN. 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

\*Landscape counts & quantities are provided as a service to the Landscape Contractor; Landscape Contractor is responsible for verifying these counts and quantities in order to provide a complete landscape installation as outlined on this Landscape Master Plan. In the event that a discrepancy occurs between this schedule and the Landscape Master Plan, the Landscape Master Plan- including the graphics







![](_page_11_Figure_0.jpeg)

![](_page_11_Figure_1.jpeg)

![](_page_11_Picture_4.jpeg)

405

99'-0"

![](_page_11_Picture_5.jpeg)

A4 CONNECTOR - NORT

![](_page_11_Figure_7.jpeg)

B4 EXISTING CBRF - PARTIAL NORTH P401 1/8" = 1'-0"

# TRUSS BRNG 109'-1 1/8" FIRST FLOOR CBRF 100'-0"

ND5

TRUSS BRNG 109'-1 1/8"

FIRST FLOOR CBRF 100-0"

-(405

# B3 VEST. 101 - NORTH ELEVATION P401 1/8" = 1'-0"

![](_page_11_Picture_22.jpeg)

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![](_page_12_Picture_0.jpeg)

![](_page_12_Picture_2.jpeg)

![](_page_12_Picture_3.jpeg)

![](_page_12_Picture_4.jpeg)

EXISTING SNF EXTERIOR (LOADING DOCK)

![](_page_12_Picture_8.jpeg)

![](_page_12_Picture_9.jpeg)

![](_page_12_Picture_10.jpeg)

![](_page_12_Picture_11.jpeg)

**EXISTING VINYL FENCE** 

EXISTING CBRF

PROPOSED CBRF EXISTING SNF-

PARKING COMMUNITY BUILDING -NEW CMU TRASH W/ -RECEIVING **RIVER ROCK STONE** VENEER TO MATCH CBRF

VIEW FROM NORTH EAST

![](_page_12_Picture_17.jpeg)

# EMPLOYEE ENTRANCE PERSPECTIVE

![](_page_12_Picture_19.jpeg)

![](_page_12_Picture_21.jpeg)

- 1 HARDIE PLANK PANEL SMOOTH PANEL FINISH COLOR - LIGHT MIST (TO MATCH EXISTING CBRF)
- 2 HARDIE PLANK LAP SIDING & TRIM BOARD CEDAR MILL FINISH SIDING, SMOOTH TRIM COLOR - NIGHT GRAY
- 3 HARDIE PLANK LAP SIDING & TRIM BOARD CEDAR MILL FINISH SIDING, SMOOTH TRIM **COLOR - SANDSTONE BEIGE**
- 4 HARDIE PLANK LAP SIDING CEDAR MILL FINISH COLOR - COUNTRY LANE RED
- **5 DUTCH QUALITY STONE** MICHIGAN RIVER ROCK TO MATCH STONE ON EXISTING CBRF

	ONSTRUCTION Architects, LLP	Drug       209 south water street milwaukee, wisconsin 5324       413 39 306         209 south water street milwaukee, wisconsin 5371       5378       413 59 306         2310 crossroads drive suite 2000 madison, wisconsin 5371       5318       602 40 900         201 crossroads drive suite 2000 madison, wisconsin 5371       5318       413 59 306         201 crossroads drive suite 2000 madison, wisconsin 5371       5318       608 240 900         201 crossroads drive suite 2000 madison, wisconsin 5371       5318       913 8361         201 crossroads drive suite 2000 madison, wisconsin 5371       5318       913 8361         201 crossroads drive suite 2000 madison, wisconsin 5371       913 8361       913 8361         201 crossroads drive suite 2000 madison, wisconsin 5371       913 8361       913 8361         201 crossroads drive suite 2000 madison, wisconsin 5371       913 8361       913 8361         201 crossroads drive suite 200       810 crossroads drive suite 200       913 8361         201 crossroads drive suite 200       810 crossroads drive suite 200       913 8361         201 crossroads drive suite 200       810 crossroads drive suite 200       913 8361         201 crossroads drive suite 200       810 crossroads drive suite 200       913 8361         201 crossroads drive suite 200       810 crossroads drive suite 200       913 8361
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