# EATON CORPORATION BADGER DRIVE FACILITY

2300 BADGER DR WAUKESHA, WI



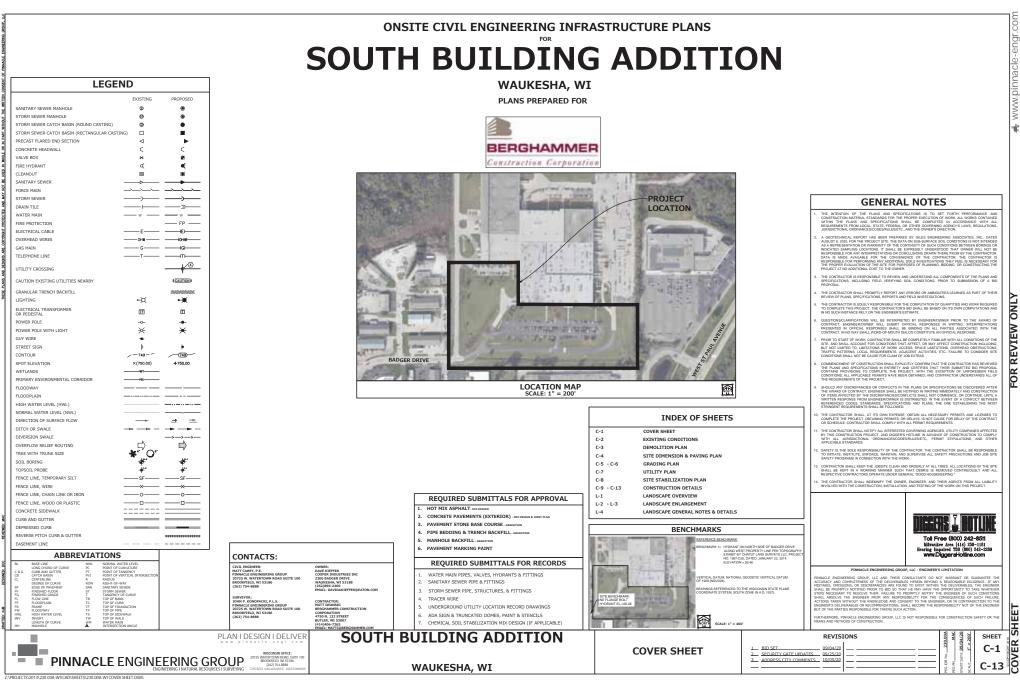




# FINAL SITE PLAN & ARCHITECTURE REVIEW

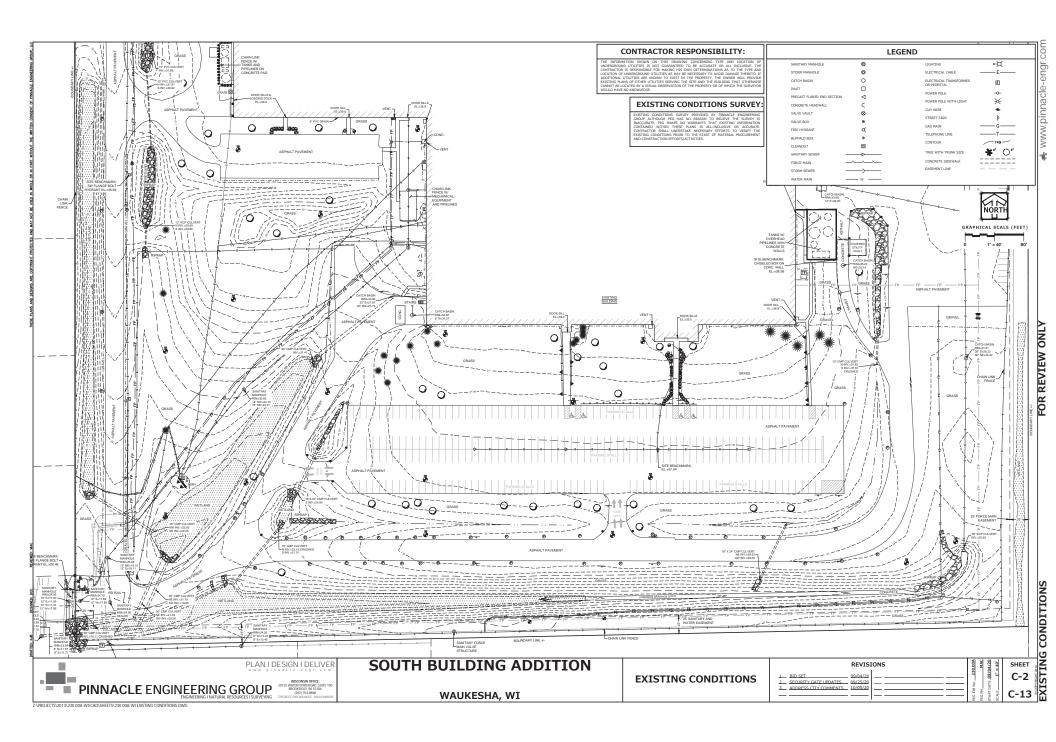
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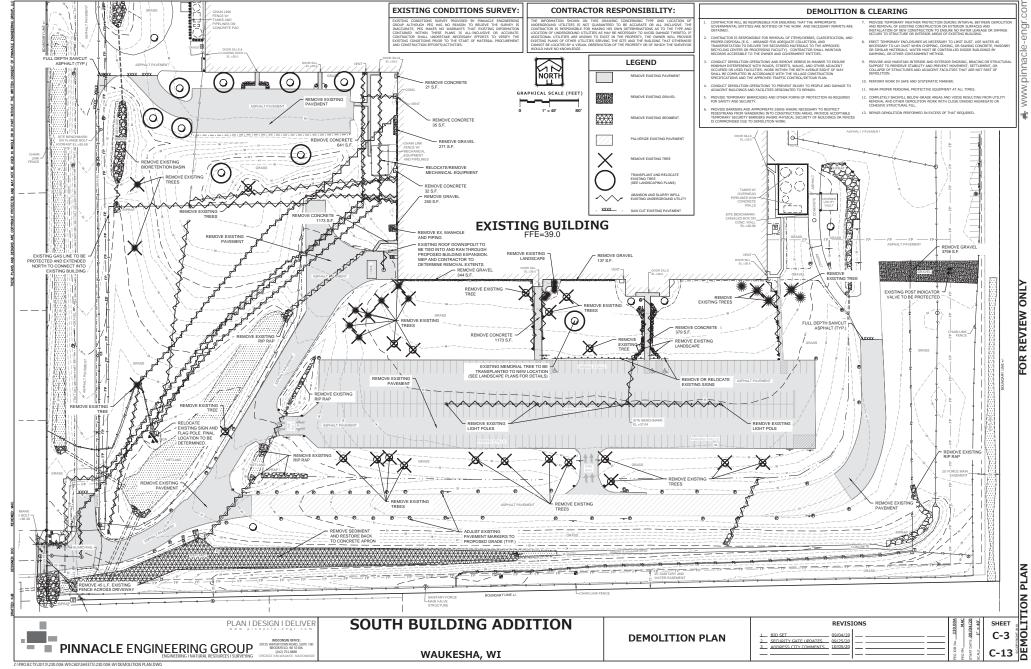
PROJECT NUMBER: 220395



SHEET COVER

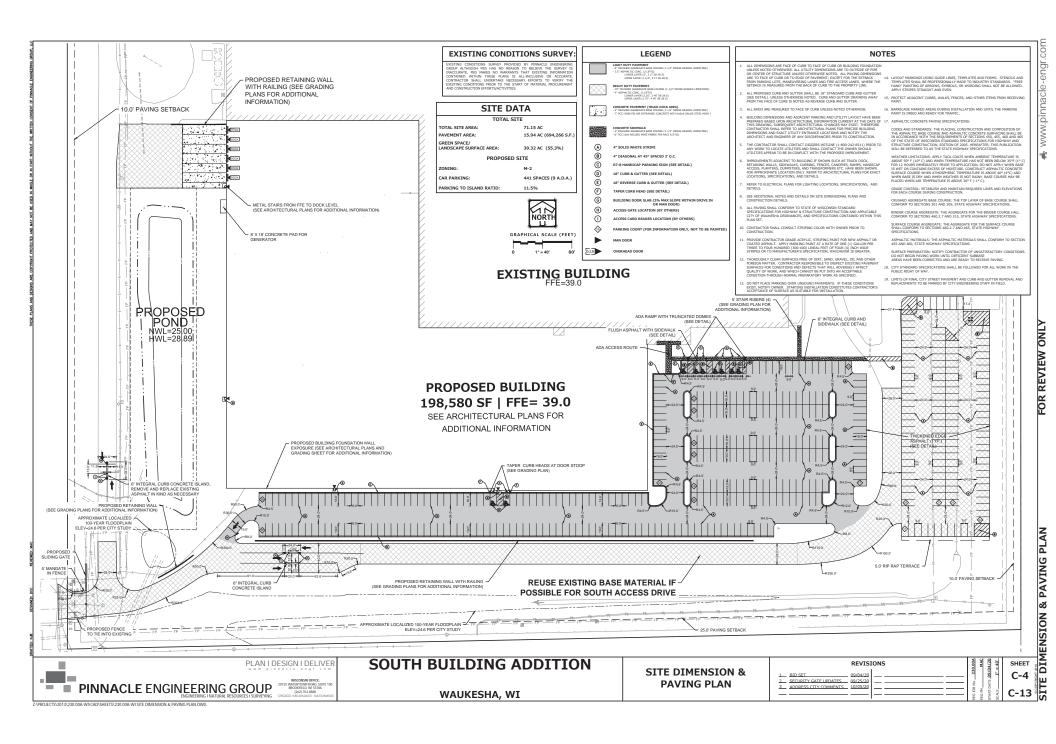
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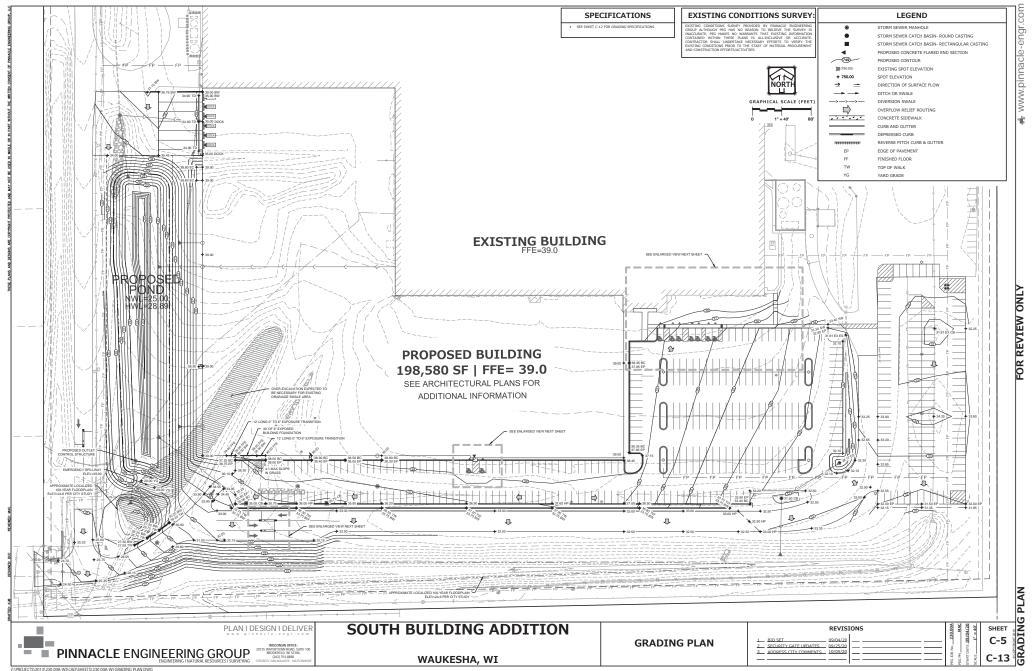


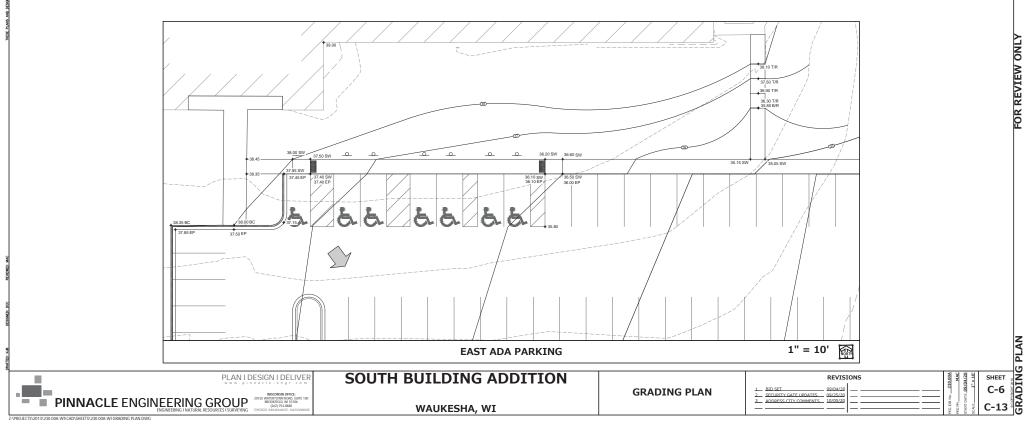


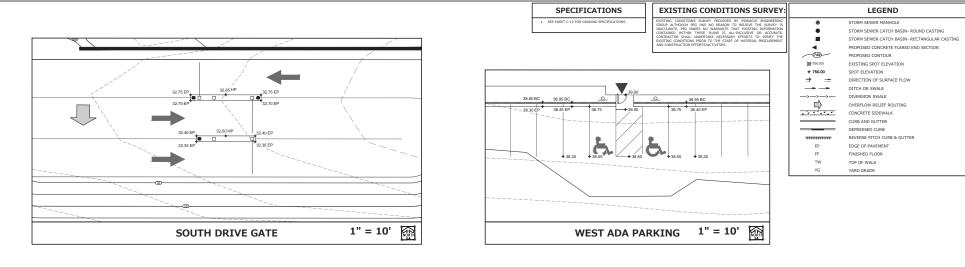
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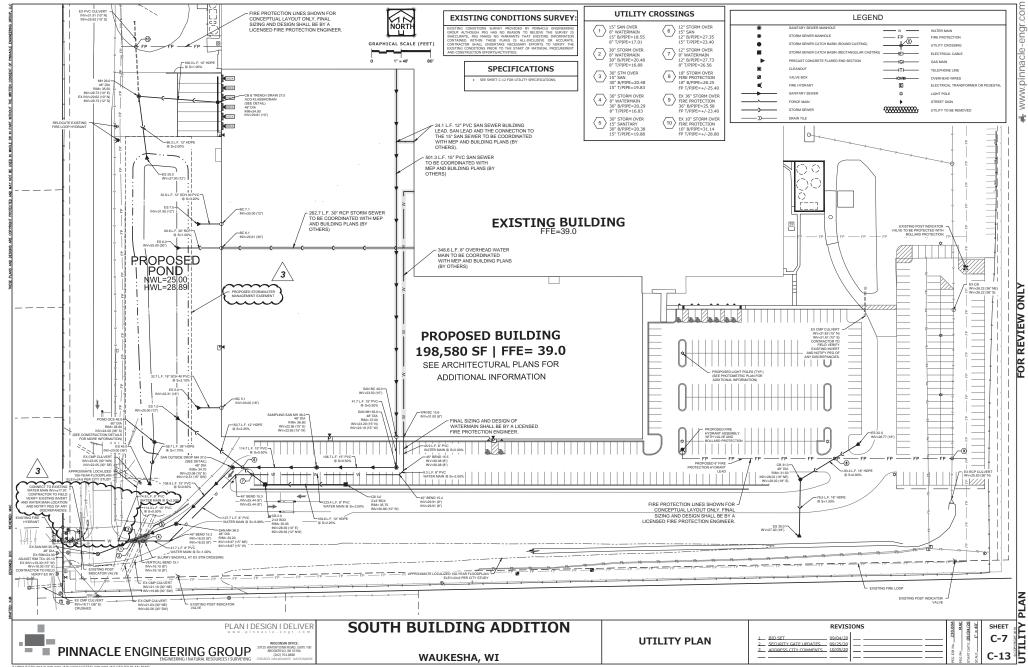




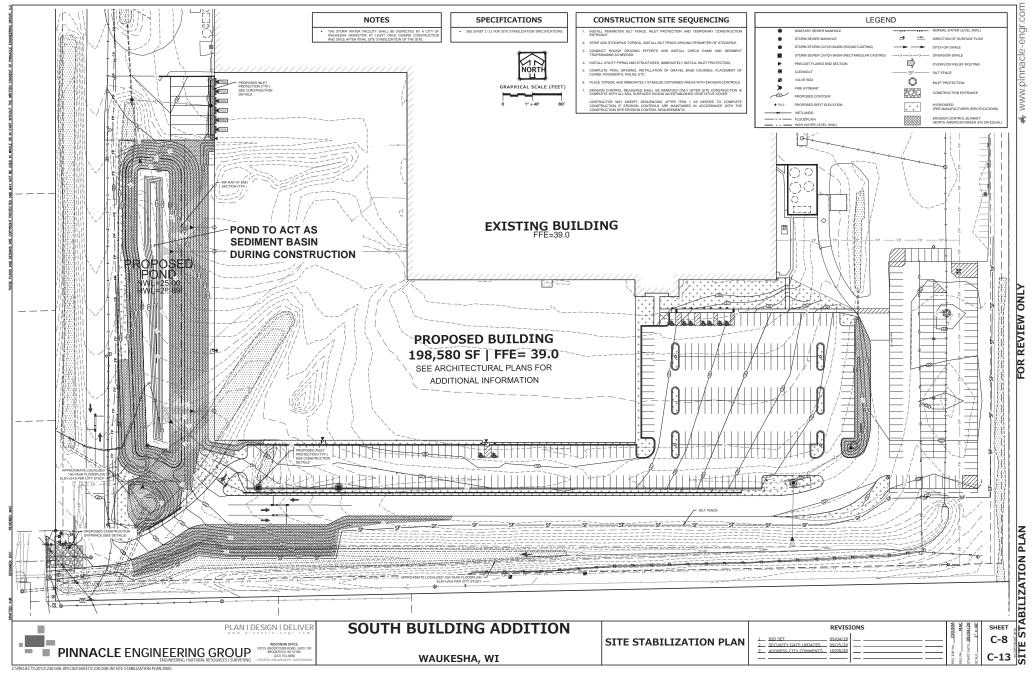




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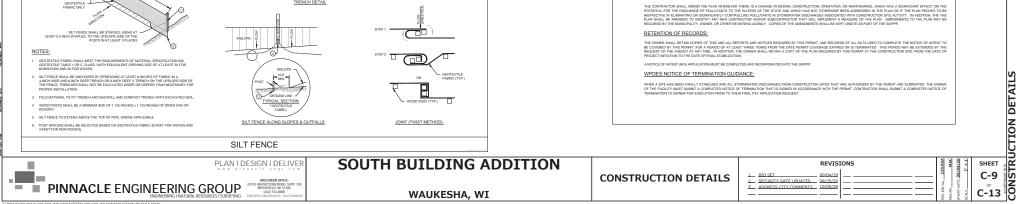


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GEOTEXTILE FABRIC ONLY



#### CONTROL MEASURE CONTROL MEASURE CONTROL MEASURE CHARACTERISTICS R TO CONTROL EROSION WHEN PERMANENT SEEDING IS NO VEGETATIV SOIL COVER MPORARY SEEDING RMANENT SEEDING NON VEGETATIVE SOIL COVER GREGATE COVER DESTEMPORARY COVER ON ROADS AND PARINE LOTS AND AREAS WHERE VEGETATION CANNO TAREUSHED REVENTS MUD FROM BENO FOCED UP AND TRANSPORTED OFFSTIL. DESE PERMANENT COVER ON PARING LOTS AND ROADS OF OTHER AREAS WHERE VEGETATION CANNOT AND A DESTINATION OF A DESTINATIO PAVING VERSIONS DIVERSION BERM / SWAL TORM SEWER INVEYS SEDIMENT LADEN WATER TO A SEDIMENT BASIN. OUTLETS PRON ENDWALL OR RIPRAR DTECTS DOWNSTREAM CHANNEL FROM HIGH VELOCITY OF FLOW DISCHARGING FROM STRUCTURE. MPORARY SEDIMENT TRA STRUCTED TO REMOVE SILTATION FROM RUNOFF FROM SITE DIVERSION BEF IRLAND FLOOD ROUTE, DAN BE CONVERTED TO PERMANENT SEDMENT BASIN SEDIMEN FILTERS MUD AN

1.0 POTENTIAL POLLUTANT SOURCES

2.0 EROSION AND SEDIMENT CONTROL IMPLEMENTATION

2.1 CONSTRUCTION AND EROSION CONTROL SEQUENCING

AN. FEB.		APR. *	*	JUNE *	JULY ★ ₽ ★	AUG. *	SEPT.	OCT.	NK ₽
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- WOOD POST (TYP.)

- GEOTEXTILE

2.0' MIN

JOINT (HOOK METHOD)

## STABILIZATION EFFECTIVENESS (TIME OF YEAR)

\* IRRIGATION WATERING REQUIRED TO SUPPORT ESTABLISHMENT AS NEEDED.

THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR, WHEN CONSTRUCTION ACTIVITIES TEMPORARLY 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.

2.2 STABILIZATION PRACTICES

VEN THE PROPOSED ACTIVITY ON THE PROJECT SITE, THE PRIMARY POTENTIAL POLILITANT SOURCE ASSOCIATED WITH THIS CONSTRUCTION PROJECT IS SOIL EROSION AND MARPORTATION, REFER TO SECTION 4 OF THIS PAUR ADDITIONAL POTENTIAL SOURCES OF POLILITION MAY INCLUDE. FUEL TANGK, WASTE CONTAMERS, OL OR OTHER PERCEMIN GOUCTS, DETERGENCIES, PAURTS, CONSTRUCTION DEBRS, SANTRY STATIONE, FREMILIZERS, AND LOURS, THERE TO SECTIONS OF THIS PAUR

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

NETWICTON BIOLINGING ML BUTURDD A MEMAG OF CONTROLING BROOKIN HOL MITTEN BEDWART TANAPORT. BIOLINGING M SLIETED BLCIN BUTURD NUM WAR DEPENDEND ON MEANER CONTROL AND ADDR MANNE OF CONTRUCTON AND LIBARY A TATALET DE SCIENCIA DU ANDR FOR PROVIL AL LEAST 5 BUSINESS DAVR FOR TO COMMENDEMENT OF ANY CONSTRUCTION ACTIVITES. CONTRACTOR MAY MOODY SEQUENCIA ATTRI E A MEEDED TO MATE ECONTRUCTION ON Y E REGION CONTROL ABUTURD MANNE DI ACCOMMENTUTI M HITE CONTRUCTOR DAVIS DU ADTRI PORTUNAL ATTRI E A MEEDED TO MATE ECONTRUCTION ON Y E REGION CONTROL ABUTURD MANNE DI ACCOMMENTUTI M HITE CONTRUCTOR MAY MOODY SEQUENCIA ATTRI E A MEEDET DI

INSTALL SLT FENCING ALONG THE PERIMETER OF PROPOSED TOPSOL STOCKPLE LOCATIONS. THE FIRST TOPSOL DEPOSITED WITHIN THE STOCKPLE LIMITS SHALL BE PLACED TO CREATE TEMPORARY BERINND ALONG THE SILT FENCE TO PREVENT DIRECT STORMWATER RUNOFF AGAINST SILT FENCING. CONTRACTOR SHALL LIMIT LAND DISTURBING ACTIVITIES ASSOLITED SITURT THEOROPARY BERINNG TO AMINIUM.

3. STRIP TOPSOIL WITHIN THE LIMITS OF THE SEDIMENT TRAPS THAT WILL BE USED FOR TEMPORARY SEDMENT CONTROL. STRIPPED TOPSOIL SHALL BE PLACED TO CONSTRUCT DIVERSION BERMING OR PLACED WITHIN THE STOCKPLE LIMITS.

STRIP TOPSOIL ALONG THE REMAINDER OF DIVERSION BERMING AND IMMEDIATELY PLACE TOPSOIL TO CREATE THE BERMING. MASS TOPSOIL STRIPPING SHALL NOT OCCUR UNTIL ALL DOWNSTREAM SEDIMENT CONTROLS ARE IN PLACE.

5. CONDUCT ROUGH GRADING OPERATIONS AND UTLITY PIPING INSTALLATION. DRAIN THE SHALL NOT BE INSTALLED UNTL UPLAND AREAS CONTRIBUTING STORMMATER RINDFF ARE STABLIZED DITCH GECKS SHALLE INSTALLED WITHIN DRAINAGE DESIS IMMEDIATELY FOLLOWING CREATION OF DITCHES AND INLET PROTECTION SHALL BE INSTALLED TO ROTECT MY STORM SERVER OR CLUERED THAT WILL ENVIRON DURING CONSTRUCTION.

6. FINE GRADE SUB-GRADE SOLS 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 SEEDIMULCH AS SOON AS POSSIBLE FOLLOWING COMPLETION OF FINE GRADING EFFORTS.

INSTALL TEMPORARY CONSTRUCTION ENTRANCES. INLET PROTECTION ON EXISTING STORM SEWER AND CULVERT INLET LOCATIONS. AND PERIMETER SILT FENCINC

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

FENCE POST

A

FLOW DIRECTION

ANCHOR STAKE MIN. 18" LONG

SILT FENCE TIE BACK

Q

NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

TRENCH DETAIL

EXPRESS

EROSION CONTROLS SHALL NOT BE REMOVED UNTLISTE IS FULLY STABILIZED OR 70% VEGETATIVE COVER IS ESTABLISHED. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF SILT FERGE, TEMPORARY FRICINDIPRETECTION, DITCH CHECKS, AND OTHER TEMPORARY CONTROLS, AND RESTORATION PRACTICES AS NECESSARY, TO THE SATISFACTION OF THE OWNER. INLET PROTECTION SHALL BE INSTALLED AT STORMWATER DRAINAGE INLETS TO REDUCE SEDIMENT WITHIN STORM SEWER CONVEYANCE FEATURES.

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

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

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

2.3 STRUCTURAL PRACTICES

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

• International Control of the second sec

CONSTRUCTION ENTRAINCE SHALL BE INSTALLED TO REDUCE SOIL EROSION POLLUTANTS FROM LEAVING THE SITE DURING CONSTRUCTION ACTIVITIES. IF THE CRUSHE DOES NOT ADEQUATELY REMOVE MUD FROM VEHICLE TIRES, THEY SHALL BE HOSED OFF BEFORE ENTERING A PAVED ROADWAY. ANY SOIL DEPOSITED ON THE PUBLIC P

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 CONTINUES AND ADDRESS ON A PROFESSION OF THE STITE NUMERICANS AND ADDRESS AND ADDRESS ADD

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.

THE FRALMWING ME DESCRIPTIONS OF STRUCTURE, PRACTICES TO BE INFLUENTED TO DVIET FLOWE FROM EXOSES DO LOS. STORE FLOWE, OF CONSTRUCTURE LAT THE DESCHIEGE OF POLITIATIS FROM EXOSES DE ABSIS OF THE STRUCTURE TO ALLINON THE PROTOCIDA DAD EXISTING VIETAME AREAS, SUCH PARTICLES COLD ANCLUES SUL FIREC. REDICTION FRANCE, CONSTRUCTION INTERACE, DITO I DECK, IFROSIN CONTRO, MATTING, DIRESBON BERNISWLE, SEDMENT TAP, LIVIL, SPREADER, MALT PROTECTION, DUILET PROTECTION, DITENDARING OF EMANDERIS DE MANTE AND INTERVIDE INTERVIDE TO ALLINO, DIRESBON DE DE LILIZO EDEMENTI DATA DE ADRIED DUILET PROTECTION, DI TENDRARIO FERMINANTE SEDMENTI BADIN IN PER L'OLINIO STRUCTURARI, DELECEME DE LILIZO EDEMENTI DATA DE ADRIE. TO ALTERIZZATION DI TENDRARIO FERMINANTE SEDMENTI BADIN IN PER L'OLINIO STRUCTURARI, DESCENSA DE LILIZO EDEMENTI DATA DE ADRIEDI DE LILIZO DE ADRIEDI DATA DE ADRIEDI DE DI LILIZO DATA DE ADRIEDI DE ADRIEDI DATA DE ADRIEDI DE LILIZO DE ADRIEDI DATA DE ADRIEDI DATA DE ADRIEDI DE ADRIEDU DATA DE ADRIEDI DATA DE ADRIEDI DATA DE A

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

CONSTRUCTION ENTRANCE - AS NEEDED, ADD STONE TO MAINTAIN CON

IOV. DEC.

DITCH CHECK (STRAW BALES) - RE-SECURE STAKES; ADJUST OR REPOSITION BALES TO ADDRESS PROPER FLOW OF STORMWATER; AND REMOVE ACCUMULATED SE WHEN IT HAS REACHED ONE-HALF THE HEIGHT OF THE BALE. EROSION CONTROL MATTING - REPAR MATTING IMMEDIATELY IF INSPECTION REVEALS BREACHED OR FAILED CONDITIONS. REPAR AND RE-GRADE SOIL WHERE CHANNELIZATION HAS OCCURRED.

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

DUST CONTROL SHALL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS: COVERING 30% OR MORE OF THE SOIL SURFACE WITH A NON-ERODIBLE MATERIAL.

4.0 EROSION AND SEDIMENT STRUCTURAL PRACTICE MAINTENANCE

OUTLET PROTECTION - CLEAN, REPAIR OR REPLACE FILTER FABRIC, TURF REIN

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

PROVIDING GRAVEL OR PAVING AT ENTRANCE/EXIT DRIVES, PARKING AREAS AND TRANSIT PATHS STREET SWEEPING SHALL BE PERFORMED TO IMMEDIATELY REMOVE ANY SEDIMENT TRACKED ON PAVEMENTS.

DIVERSION BERMSWALE - REPLACE OR RE-COMPACT THE CONSTRUCTION MATERIALS AS NECESSARY

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

THE EXECUTED OWNER CERTIFICATION AND THE CONTRACTOR CERTIFICATIONS SHALL BE KEPT ONSITE WITH THE APPR

CONTRACTOR SHALL STORE ONLY INVOLVE REQUEST DIS COMPLETE THIS PROJECT.
 LIL ANTERNA, SHALLE STORE ON A HEAT, ORDERY IN MARKEN IN THER ORDAUL CONTAINES CONTAINING MANUFACTURERS LABEL
 MANUFACTURERS RECOMMENDATIONS FOR PROFENSIONAL SHALL BEF COLOVED.
 MATERNAL SEQUERST ON HUX ANTERNAL SERVICE DATA SHEET (MISS) SHALL HAVE A CONY STORED IN THE PROJECT'S MISS DATABASE.

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 STABI

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 SAWTARY WASTE, AND WASTE FROM VEHICLE TRACKING OF SEDIMENTS. THE CONTINUE (TOR SHALL RAWRE THAT NO MATERIAL WASTES OF UNUSED BULLONG WATERIALS BURNED, DURED, DU

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

THE FOLLOWING MAINTENANCE PRACTICES SHALL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, VEGETATION, EROSION AND SEDMENT CONTROL MESAURES, AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS FAUL UPON IDENTIFICATION, DEFCIENCIES IN STORMWATER CONTROLS SHALL BE ADDRESSED IMMEDIATELY. THE MAINTENANCE PROCEEMESF FOR THIS OPERIOMENT SHALL ADDLES BUT NOTE BLIFTED TO THE BLICK).

SLT 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.

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

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

INSECTION SHALL BE COMPLETE WITHIN THEMT FOOD (A) HURING OF THE BOLD OF A BUNKALL EVENT THAT IS ORE-HALL PLOY GO REGISTER OF COUNTERST DATABASES. MARKAD GORE EVENT SHALL PROVIDE THAT HALL PROVIDE AND A BUNKALL EVENT THAT IS ORE-HALL PLOY GO REGISTER OF COUNTERST AND A BUNKAL BULKED DISTRICT ARRAN OF CONSTRUCTION BITS HAT HALL PROVIDE AND A BUNKALL PROVIDE AND A BUNKALL PLOY GO REGISTER OF COUNTERST AND A BUNKAL BULKED DISTRUCTION AND A BUNKAL BULKED DISTRUCTIONAL DISTRUCTION

QUALIFIED PERSONNEL MEANS & PERSON KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS A PROFESSIONAL ENGINEER, A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL, A CERTIFIED EROSION SEDIMENT OR STORMWATER INSPECTOR, OR OTHE INTRUMAN

3.0 ADDITIONAL PRACTICES

5.0 INSPECTION

6.0 SPILL PREVENTION

6.2 SPILL CONTROL PRACTICES

GENERAL INFORMATION:

SWPPP AVAILABILITY:

KEEPING PLANS CURRENT:

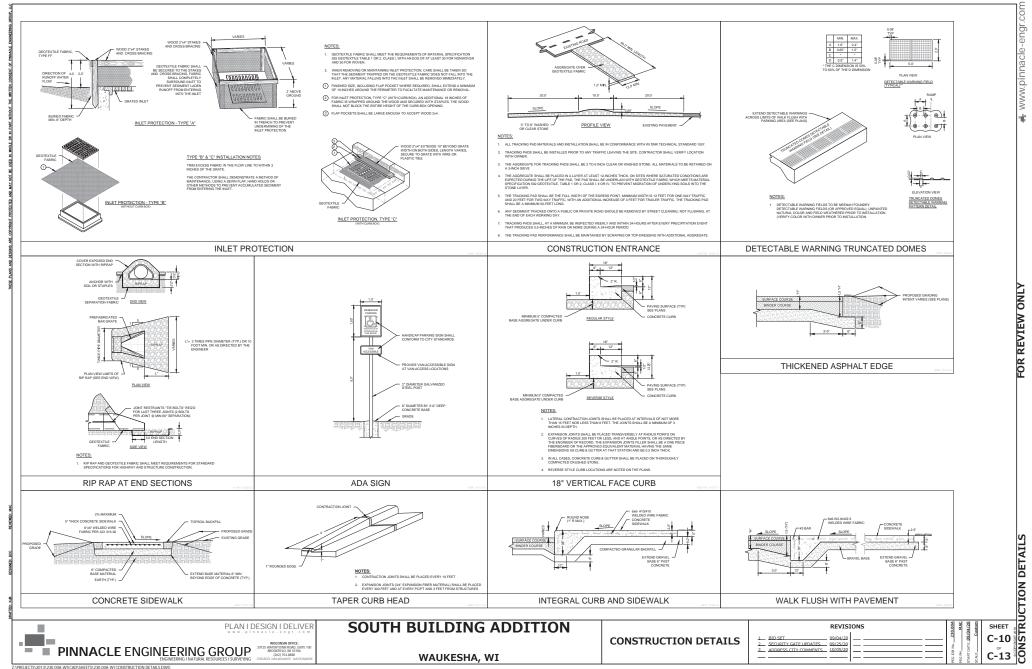
6.1 GENERAL MATERIAL MANAGEMENT PRACTICES

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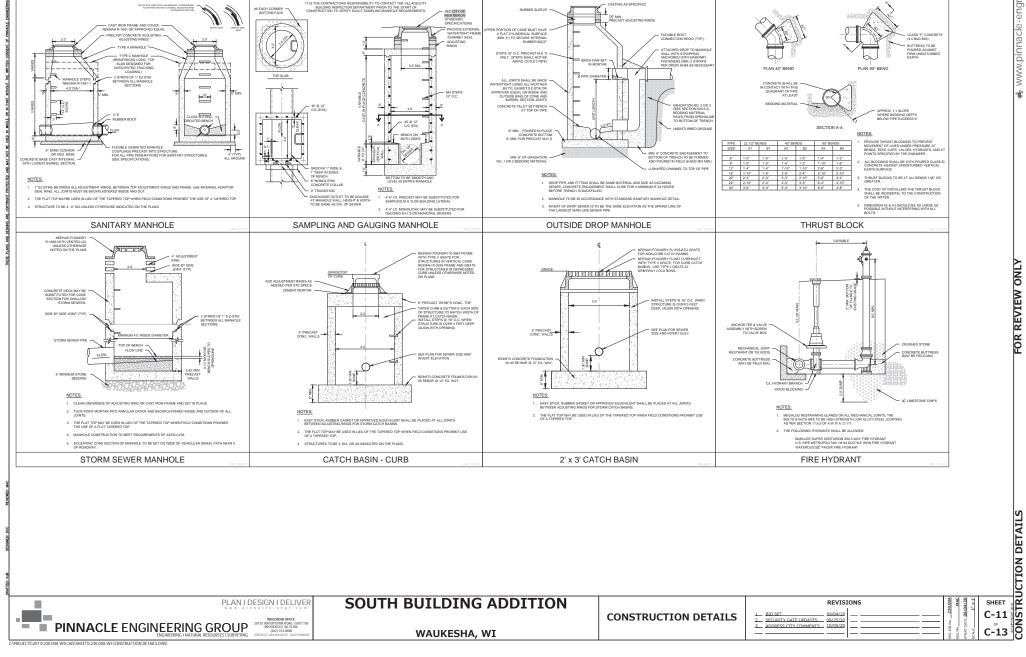
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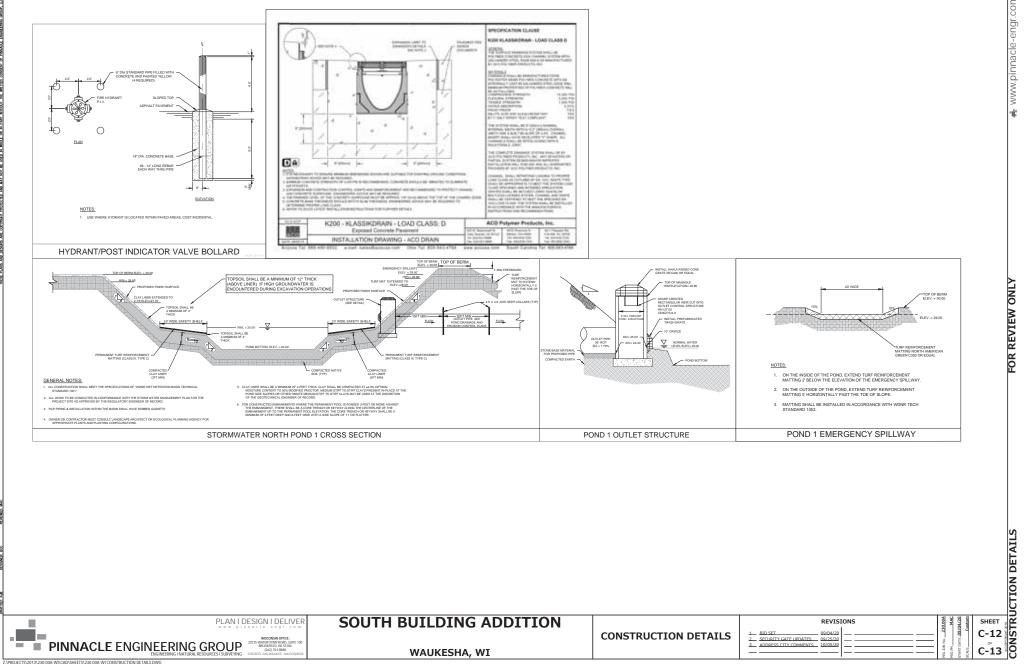
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UTILITY NOTES

WITH TYPE "B" SELF SEALING LIDS, NON-ROCKING OR EQUAL

PIPE - WATER MAIN SHALL BE POLYVINYL CHLORIDE (PVC) PIPE MEETING T

16 WATER MAIN SPECIFICATIONS

17. SANITARY SEWER SPECIFICATIONS -

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

PIPE- WATER MAIN SHALL BE FOLY/WIN-CHORADE (PIC) PIPE-METTING THE REQUIREMENTS OF AWWAI STANDARD C-900, CLASS TO, DI, OH, BU, THI-CAST IRON O.D. AND INTEGRAL ELASTOMERIC BELL AND SPIGOT JOINTS. VALVES AND VALVE BOXES - GATE VALVES SHALL BE AWWAI CATE VALVES METTING THE REQUIREMENTS OF AWWAI C-500 AND CHAPTER 8.27.0 OF THE "STANDARD SPECIFICITIONS", GATE VALVES AND VALVE BOXES SHALL CONFIDENT OLCOLE, PUBLISHING ORDINALES.

HYDRANTS - HYDRANTS SHALL CONFORM TO THE SPECIFICATIONS OF THE CITY OF PORT WASHINGTON AND IN ACCORDANCE WITH FILE NO. 38 OF THE "STANDARD SPECIFICATIONS". THE DISTANCE FROM THE GOLUDUE LINE TO THE CENTRELINE OF THE LOWEST MOZEL AND THE LOWEST CONNECTION OF THE FIRE DEPARTMENT SHALL BE NO LESS THAN 31-BUCKES AND NO REALTER 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".

BACKFLL - BACKFLL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH OWETRS 2.6.0 OF THE "STANDARD SPECIFICATION", GAVEL BACKFLL IS REQUIRED IN AL REQUER GAVEL BACKFLL LANDSCAPE AFEAS MAY BE EACKFLLED WITH EXCAVED REQUER GAVEL BACKFLL LANDSCAPE AREAS MAY BE EACKFLED WITH EXCAVED MATERIAL IN CONTRMANCE WITH SECTOR 8.4.3 OF THE "STANDARD SPECIFICATION".

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

LEDITIONAL AND A CONSTRUCTION OF A MITTER LABOR AND CARE MITTER LABOR AND CARE AND C

BACFUL - BACKFLL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE CHAPTER 2.6.00 THE "STANDARD SPECIFICATIONS." GAVAR: BACKFLL IS REQUIRED IN ALL INVED MARLIELT ON NUESS THAN STEFFE TROM THE EDGE OF WAVENEMS "SHALL AND REQUIRE GRAVE BACKFLL LANDSCHED AREAS MAY BE BACKFLLED WITH EXCAVATED MATERIAL IN CONFIDENCES WITH SECTION ALS JOINT 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 IRROVISIONS OF THE CITY V WAIKESHA, STRUCTURE SHOP OBAVINGS SHALL BE SUBMITTED TO PINANCLE PRICINCIEREIN GROUP FOR REVIEW AND APPROVAL PRIOR TO MANUFACTURING AND INSTALLATION.

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

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

TRACER WIRE SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THESE CC SECTIONS AS PER 182.0715(2R) OF THE STATUTES. THE TRACER WIRE FOR THE SANITAR SEWRE A LTRALS. ISSUEL BE CONTINUOUS AND SHALL BE EXTENDED BADEVE GRADE VIA A 4-INCH PVC PBRE WITH SCREW-ON CAP ADJACENT TO THE PROPOSED TERMINATION POIN OF THE LATERAL FOR THE PROPOSED BUILDING.

20. SEE LITELITY PLANS AND CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION

EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCUDATE OR ALL INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR VERIFINITS THE VIEW, LOCATION, SUZ AND GELVATION OF UNDERGROUDU UTILITIES THEY DEEM RECESSARY FOR PRIORSEC UTILITY CONNECTIONS AND/OR TO AVOID DAMAGE THERETO. CONTINUETOR SHALL CALL UTILITY CONNECTIONS AND/OR TO AVOID DAMAGE

ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH HE STANDARD SPECIFICATIONS FOR SHEE AND WATER CONSTRUCTION IN WISCONSINI (LATEST BUTTON AND ADDENUM) NO ALL STRET AND LOCAL CODES AND SPECIFICATIONS IT IS THE CONTRACTORS ON DALL STRET AND LOCAL CODES AND SPECIFICATIONS IT IS THE CONTRACTORS CODENDATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE LOCAL AND STATE AUTHORITIES.

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.

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

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 DISCREMANCES OR CONFLICTS.

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

THE CONTRACTOR SHALL CONTACT THE CITY OF WALKESHA PUBLIC WORKS DEPARTMENT 49-HOURS IN ADVANCE OF SANITARY, WATER AND STORM CONNECTIONS TO THE CITY-CONNED SYSTEM TO SCHEDULE INSPECTIONS.

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

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

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.

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.

PIPE - REINFORCED CONCRETE PIPE (RCP) SHALL MEET THE REQUIREMENTS OF ASTM CLASS C-76 WITH RUBBER GASKET JOINTS CONFORMING TO ASTM CL433. STRENGTH CLASSFIFCATIONS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

HIGH DENSITY DUA--WALL POLYETHYLENE N-12 CORRUGATED PIPE (HDPE) SHALL BE AS MANUFACTURED BY ADS OR EQUAL WITH WATER TIGHT JOINTS, MAN SHALL MEET THE REQUIRENENTS OF AGHTO DESIGNATION #343 MYPE '5, OR POLYINO'L OLADDED (PRO-CLASS PAGA MEETING AAGHTO H0278, A5 NOTED: IF HOPE PIPE IS USED FOR POND OUTFALLS, A NINMING OF THEE (3) SECTIONS OF STANG'S SHALL BE STAVED TOCHHER.

HEIGHT OF COVER (FEET): MINIMUM CONCRETE PIPE CLASSIFICATION: IV III II III IV ENGINER TO SPECIFY

In the two control source - the transported based of a shall be constructed in Account with the top of the "Stakados StepEricsTotogy with a two "A 2 = 0 module of the stakados of the stakados of the stakados of the stakados of the stake o

BACTUL AND BERING - STORE SHALL BE CONTRACTO WITH ADALE MACTUL ADO LASS TO BERING - STORE SHALL BACE ADALES TAND ADALES ADALES OF ANDRENT. TRENCHS RANNING PARALLEL TO AND LISS THAT SFETT PROVIDE THE EDGE OF ANDRENT. TRENCHS RANNING PARALLEL TO AND LISS THAT SFETT PROVIDE THE ADALES OF ANDRENT. TRENCHS RANNING PARALLEL TO AND LISS THAT SFETT PROVIDE ALSS ADALES OF ANDRENT. TRENCHS RANNING PARALLES TO AND LISS THAT SFETT PROVIDE ALSS ADALES MANNED FRANKE SAND ADALES TO ANDRENALES. WITH SECTION 6.4.3.5 DT STANDARD SPECIFICATIONS.

13. STORM SEWER SPECIFICATIONS -

UTILITY CONSTRUCTION AND SPECIFICATIONS SHALL COMPLY WITH THE CITY OF WAILKESHA SPECTAL PROVISIONS AND WISCONSIN DEPARTMENT OF SAFETY AND

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TION DETAILS

16. CONTRACTOR SHALL COMPLY WITH ALL WAUKESHA COUNTY CONSTRUCTION STANDARDS/ORDINAMCES PUMPS MAY BE USED AS BYPASS DEVICES. IN NO CASE SHALL PUMPED WATER BE DIVERTED OUTSIDE THE PROJECT LIMITS. PUMP DISCHARGE SHALL BE DIRECTED INTO AN APPROVED FLITER BAG OR APPROVED SETTLING DEVICE. 17. LANDSCAPE AND TURF AREAS SHALL HAVE A MINIMUM OF 4-INCH TOPSOIL REPLACEMENT. 18. TOPSOIL BERMING SHALL ACHIEVE 90% STANDARD PROCTOR DENSITY AT 3%(±) OPTIMUM GRADING EFFORTS SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. EROSION AND SEDIMENT CONTROL MEASURES SHALL CONSIDER THE TIME OF SURVEY BENCHMARKS AND MAPPING HAS BEEN PROVIDED BY PEG IN NO WAY DOES PEG WARRANT THE BASEMAP IS ALL INCLUSIVE OR REPRESENTATIVE OF ACTUAL CONDITIONS. CONTRACTOR SHALL PROVIDE CHECKS AS NECESSARY TO VERIFY THE BASEMAP CONTENT AND ACCURACY.

- MAINTAIN SOLE BROSION CONTROL DEVICES THROUGH THE DURATION OF THIS PROJECT. ALL TEMPORARY BROSION AND SEDMENT CONTROL MEASURES SHALL BE BROWDED WITHIN THIRY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. DISTUBBANCES ASSOCIATED WITH BROSION CONTROL REMOVAL SHALL BE IMMEDIATELY STABILIZED

ALL DEUTORED GLOOPE DEVECTIVE 1, SANL ESTRELEZEN UTTL NORTH-MERIZAN EREN STABLE GLOCKI MATTINE (S. MARDORE DEVAL), MOA LL CANNEL SANL DE GTABLIZZEN UTTH MORTH ANNELCAN GEERI (LIZBN (OR ANDRORED EQUAL) PAPULCATION OF AN ANDROXED PACIFIES GLUI STABLIZZION TRETHNENT OR A COMBINITION THEREOF, AS REQUIRED. EROSION MATTING ANUÇOR NETTING USED INSTET SHALL EN STALLED IN ACCOMMANC ITTI MANUFACTURERS GUIDELINES. DURING PERIODS OF EXTENDED DRY WEATHER, THE CONTRACTOR SHALL KEEP A WATER TRUCK ON SITE FOR THE PURPOSE OF WATERING DOWN SOLS WHOCH NAV OTHERWISE BECOME AIRBORNET THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING WIND EROSION (DUST) DURING CONSTRUCTION AT HIS/HER EXPENSE. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE VISUALLY INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM ON A DALLY BASIS.

. SEE ADDITIONAL DETAILS AND NOTES ON SITE STABILIZATION AND CONSTRUCTION DETAILS. 20. THE STORM WATER FACILITY SHALL BE INSPECTED BY A CITY OF WAUKESHA INSPECTOR AT LEAST ONCE DURING CONSTRUCTION AND ONCE AFTER FINAL SITE STABILIZATION OF THE SITE.

- EROSION CONTROL MEASURES TEMPORARILY REMOVED FOR UNAVOIDABLE CONSTRUCTION ACTIVITIES SHALL BE IN WORKING ORDER IMMEDIATELY FOLLOWING COMPLETION OF SUCH ACTIVITIES OF PRIOR TO THE COMPLETION OF EACH WORK DAY, WHICH EVER OCCLURS FIRST.
- . TOPSOIL STOCKPILES SHALL HAVE A BERM OR TRENCH AROUND THE CIRCUMFERENCE AND PERIMETER SILT FENCE TO CONTROL SILT. IF TOPSOIL STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND STABILIZATION IS REFUIRED.

- . ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPARED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND REPARD RUINED CONSTRUCTION. THE OWNER WILL BE RESPONSIBLE IF EROSION CONTROL IS REQUIRED AFTER THE CONTRACTOR HAS COMPLETED THE PROJECT.
- AT A MINIMUM, SEDIMENT BASINS AND NECESSARY TEMPORARY DRAINAGE PROVISIONS SHALL BE CONSTRUCTED AND OPERATIONAL BEFORE BEGINNING OF SIGNIFICANT MASS GRADING OPERATIONS TO PREVENT OFFSTER DISCHARGE OF UNTREATED RUNDFF.
- DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH BMP'S PRIOR TO RELEASE INTO STORM SEWER OR DITCHES
- BACKFILL, COMPACT AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.

- PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.

- ALL EXISTING STORM SEWER FACILITIES THAT WILL COLLECT RUNOFF FROM DISTURIED AREAS SHALL BE PROTECTED TO TO PREVENT SEDURATION DEPOSITION AT THE TRUET OF ALL INSTALLES TOOM SEWER AND SILT FREES SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INJETS. ALL DULTS, STRUCTURES, PREV, AND SWALES SHALL BE SETULED AND FREE OF SEDURATION AND COERDS.

GENERAL EROSION AND

SEDIMENT CONTROL NOTES

THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL CONTROL MEASURES AS DIRECTED BY OWNER/ENGINEER OR GOVERNING AGENCIES SHALL BE WITHIN 24 HOURS OF REQUEST.

MODIFICATIONS TO THE APPROVED SWIPP IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS ARE ALLOWED IF MODIFICATIONS CONFORM TO BMPS. ALL MODIFICATIONS MUST BE APPROVED BY OWNER/ENGINEER/GOVERNING AGENCY PRIOR TO DEVIATION OF THE APPROVED PLAN.

IN DETAIL PREMIUM OF THE MYNOLE FORT CONTROL MEASURES (SUCH AS CONSTRUCTION INTRANCES, SULT FRUCE AND EXISTING INLET PROTECTION) PRIOR TO ANY SITE WORK, INCLUDING GRADNIG OR DISTURBANCE OF EXISTING SURFACE COVER, AS SHOWN ON FUNN IN ORDER TO PROTECT ADJACENT PROPERTIES/STORM SEWER SYSTEMS FROM SEMINIMIT TRANSPORT.

CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INVERSIGNARIES FOUNTS. CONTINUETOR IS RESPONSIBLE TO CONSIDNATE LOCATIONS? REQUERD APPROACH ON THE ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS REQUERD APPROACH ON THE PLANS MUST BE APPROVED BY THE APPLICABLE GOVERNING AGENCIES FROM TO INSTALLATION.

PAVED SURFACES ADJACENT TO CONSTRUCTION ENTRANCES SHALL BE SWEPT AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST IMMEDIATELY AND AS REQUESTED BY THE GOVERNING AGENCIES.

HALL ADHERE TO THE REQUIREMENTS SET FORTH IN DISCHARGE ELIMINATION SYSTEM (NPDES) STORMY

- EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, WATER MAIN, ETC.) OUTSIDE OF THE PERIMETER CONTROLS SHALL INCORPORATE THE FOLLOWING:

- ALL WATERCOURSES AND WETLANDS SHALL BE PROTECTED WITH SILT FENCE TO PREVENT ANY DIRECT DISCHARGE FROM DISTURBED SOLS.

- CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING FACILITIES OR UTILITIES. ANY DAMAGE SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE EXPENSE OF THE CONTRACTOR. IN WORK WITH ANY PLANUE RECHT/G-WAY SHALL BE COORDINATED WITH THE BY WORK WITH ANY PLANUE RECHT/G-WAY SHALL BE COORDINATED WITH THE ACTIVITIES. CONTRACTOR BY ANY PLANUE RESONANCE FOR GETAINING ALL RECESSARY FORMATION AND FEES GRADOW WITHIN REITO-FORM IS SUBJECT TO REPORT ANY FORMAL BE ADD OFFICIALS. AND FEES GRADOW WITHIN REITO-FORM IS SUBJECT TO REPORT ANY FORMAL BE ADD OFFICIALS. THE GOT OF ADDRESS RESTORATION SHALL RELEASE ALL THER INCESSARY TO RESTORE THE GOT OF ADDRESS RESTORATION SHALL RELEASE ALL THER INCESSARY TO RESTORE THE GOT OF ADDRESS RESTORATION SHALL RELEASE ANY TO RESTORE EXPLOSIVE THAN INCESSARY.

GRADING NOTES

CONTRACTOR SHALL VERIFY ALL GRADES, ENSURE ALL AREAS DRAIN PROPERLY AND REPORT ANY DISCREPANCIES TO PINNACLE ENGINEERING GROUP PRIDE TO THE START OF ANY CONSTRUCTION ACTIVITIES.

ALL EXISTING CONTOURS REPRESENT EXISTING SURFACE GRADES UNLESS OTHERWISE NOTED. ALL PROPOSED GRADES SHOWN ARE FINISH SURFACE GRADES UNLESS OTHERWISE MOTED.

SPOT ELEVATIONS REPRESENT THE GRADE ALONG THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

4. ALL EXCAVATIONS AND MATERIAL PLACEMENT SHALL BE COMPLETED TO DESIGN ELEVATIONS AS DEPICTED IN THE PLANS.

CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE COMPUTATION(S) OF ALL GRADING QUANTTIES. WHILE PEG ATTEMPTS TO PROVIDE A COST EFFECTIVE APPROACH TO BALANCE BARTWORK, GRADING DEGINE IS BASED ON MAIY FACTORS, INCLUDING SAFETY, ASSTHETICS, AND COMMON ENGINEERING STANDARD OF CARE, THEREFORE NO GUANANTEE CAN BE MADE FOR A BALANCED STE.

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

UP THED COMMANDMENT SHALL BE IN A MANNER TO ALLOW POSITIVE DRAINAGE ACROSS DASTORED ACTIVITIES SHALL BE IN A MANNER TO ALLOW POSITIVE DRAINAGE ACROSS DASTORED SADES, MICH AND MALTINE DOLAWITOR TO FERVIOUR STATUSES TO RESOLUTION REVENTS SHALL SAVE WHETE PROVIDENTIES INTO DECANTERIOS. NIN OWN SHALL DOWNER REVENTS SHALL SAVE WHETE PROVIDENTIES INTO DECANTERIOS. NIN OWN SHALL DOWNER REVENTS SHALL SAVE TO FEAST DECANTER OF DECANTERIOS. NIN OWN SHALL DOWNER REVENTS SHALL SAVE TO FEAST DECANTER OF DECANTERIOS. DOLATION SHALL DOWNER REVENTS OF IMPROVES STET CALORIDO OF SECRETARIA DOLATION SHALL SECRETARIA REVENTS TO IMPROVES STET COMMON OF SECRETARIAS. DOLTO WATHER, REVENTS

THE CONTRACTOR IS RESPONSIBLE FOR MEETING MINIMUM COMPACTION STANDARDS. THE CONTRACTOR SHALL NOTTY ENLINEE/DUMNER IF MOMEN COMPACTION CANNOT BE SOLIS ARE TO BE CONSIDERED INSUITABLE SOLIS. THE ENLINEER/DUMNE AND CEDISCHICAL TESTING CONSULTANT WILL DETERMINE IF RENEDIAL MEASURES WILL BE NECESSARY.

IN THE EVENT THAT ANY MOISTURE-DENSITY TEST(5) FAIL TO MEET SPECIFICATION REQUIREMENTS, THE CONTRACTOR SHALL PERFORM CORRECTIVE WORK AS NECESSARY TO BRING THE MATERIAL INTO COMPLIANCE AND RETEST THE FAILED AREA AT NO COST TO THE OWNER. UNITES WITH THE AUTHORIZATION OF THE ENCINER/OWNER, MATERIAL THAT IS TOO WET TO FRIENT PROPER COMMENTION MY BE SPRULD ON FILL AREAS IN AN EFFORT TO DWY AND THE AUTHORIZATION SPACE THE EXCENTION OF THE AUTHORIZATION OF THE THE THE AUTHOR OF AN ADDRESS AND THE AWAY OF THE EXCENTION OF THE THE AUTHOR AUTHOR OF AN ADDRESS AND THE AWAY OF THE AUTHORIZATION OF RETEXTURE AUTHOR OF AUTHORIZATION SPACE THE SPREAD ANTERIAL OPTIM EXCEED THE MOTION FOR SPREAD AUTHORIZATION OF AUTHORIZATION OPTIMICATION OF THE AUTHOR THE SPREAD AUTHORIZATION OF AUTHORIZATION OPTIMICATION OF THE AUTHOR THE SPREAD AUTHORIZATION OF AUTHORIZATION OPTIMICATION OF THE AUTHOR THE SPREAD AUTHORIZATION OF AUTHORIZATION OPTIMICATION OF THE AUTHOR THE SPREAD AUTHORIZATION OF AUTHORIZATION OPTIMICATION OF THE AUTHORIZATION OF SPREAD AUTHORIZATION OF AUTHORIZATION OPTIMICATION OF THE AUTHORIZATION OF AUTHORIZATION OF THE AUTHORIZATION OF AUTHORIZATION OF AUTHORIZATION OF AUTHORIZATION OF THE AUTHORIZATION OF AUTHORIZATION OF THE AUTHORIZATION OF AUTHORIZATION OF THE AUTHORIZATION OF TH

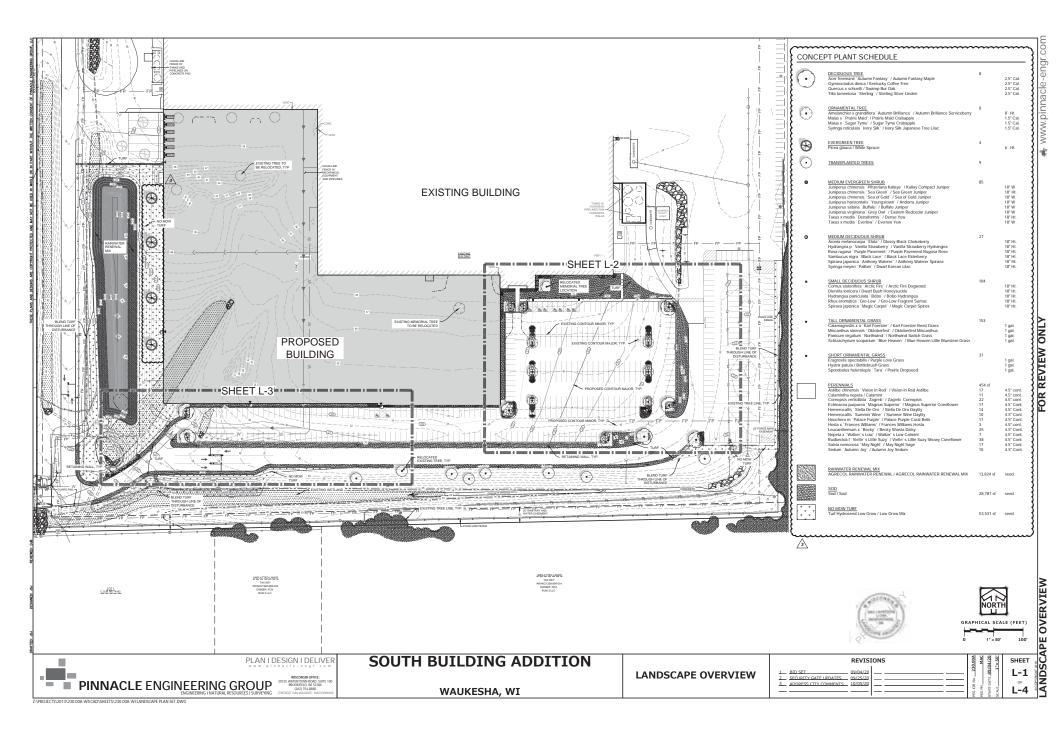
THE CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER/OWNER IF GROUNDWATER IS ENCOUNTERED DURING EXCAVATION.

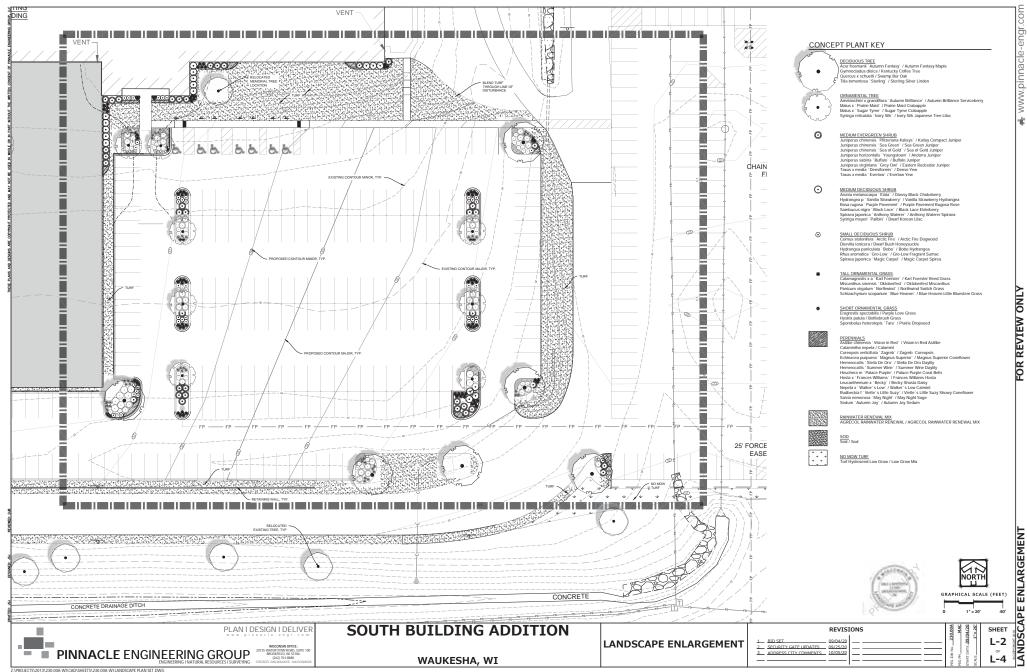
10. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ADEQUATE AND SAFE TEMPORARY SHORING, RRACING, RETENTION STRUCTURES, AND EXCAVATIONS.

11. THE SITE SHALL BE COMPLETED TO WITHIN 0.10-FT (\*/·) OF THE PROPOSED GRADES AS INDICATED WITHIN THE PLANS PRORE TO PLACEMENT OF TOPSOLL OR STONE. CONTRACTOR IS ENCOURAGE TO SEQUENCE CONSTRUCTION SUCH THAT THE SITE IS DIVIDED INTO SMALLER AREAS TO ALLOW STABILIZATION OF DISTURBED SOLLS IMMEDIATELY UPON COMPLETION OF INDIVIDUAL SAULER AREAS.

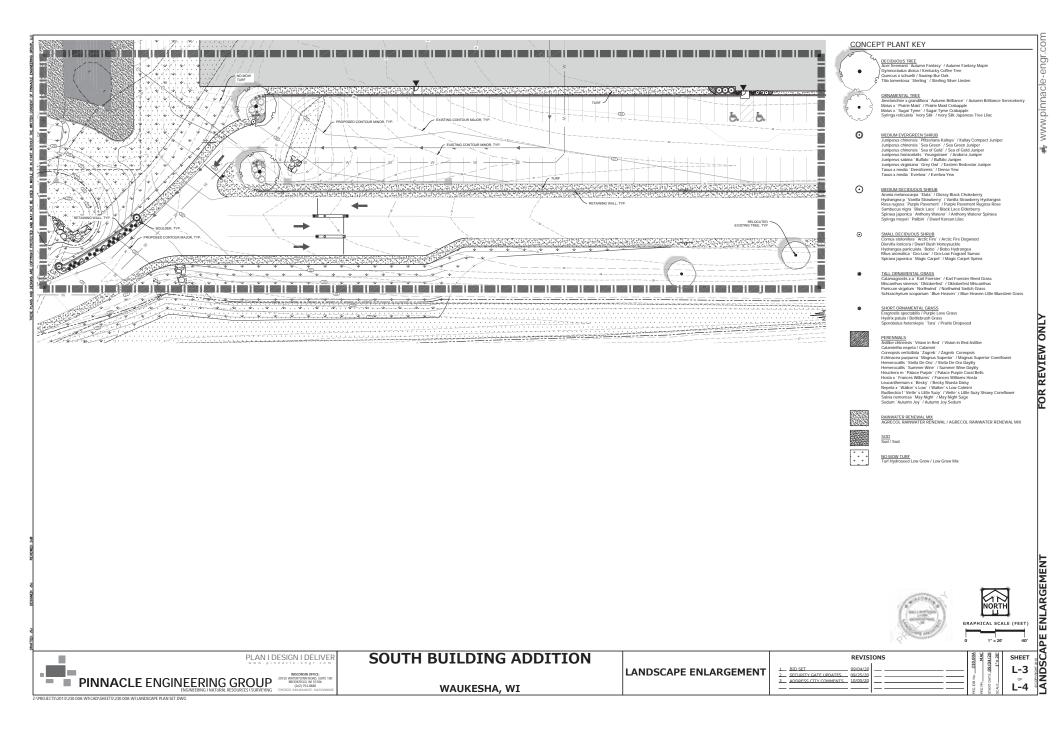
UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES AND SHALL BE RESPONSIBLE FOR PROTECTING SAID UTILITIES FROM ANY DAMAGE DURING CONSTRUCTION.

CONTRACTOR SHALL PROTECT INLETS AND ADJACENT PROPERTIES WITH SILT FENCING OR APPROVED EROSION CONTROL METHODS UNTIL CONSTRUCTION IS COMPLETED. CONTRACTOR SHALL PLACE SILT FENCING AT DOWN SLOPE SIDE OF GRADUNG IMMITS.





ANDSCAPE



### GENERAL PLANTING NOTES

THE LAYOUT OF ALL PLANTING BEDS AND INDIVIDUAL TREES AND SHRUBS SHALL BE STAKED BY THE CONTRACTOR IN ADVANCE OF INSTALLATION. FLAGGING STAKES, OR PAINT MAY BE USED TO DELINEATE LOCATIONS AS SCALED FROM THE PLANS. AN APPROVED REPRESENTATIVE WILL REVIEW THESE LO WITH THE CONTRACTOR AND MAKE MINOR ADJUSTMENTS AS NECESSARY. BED LAYOUT SHALL ALSO INCLUDE PERENNIAL GROUPINGS BY SPECIES. HESE LOCATIONS THE CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY DETERMINING THE PLANT MATERIAL QUANTITIES REQUIRED BY THE LANDSCAPE PLANS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT

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

- TREES SHALL HAVE SINGLE, STRAIGHT TRUNKS AND WELL BALANCED BRANCH SYSTEMS. HEIGHT-TO-CALIPER RATIOS SHALL BE CONSISTENT WITH THE LATEST EDITION OF ANSI 280.1.
- ROOT SYSTEMS SHALL BE LARGE ENOUGH TO ALLOW FOR FULL RECOVERY OF THE TREE, AND SHALL CONFORM TO STANDARDS AS THEY APPEAR IN THE MOST CURRENT REVISION OF THE AMERICAN ASSOCIATION OF NURSERYMEN'S AMERICAN STANDARD OF NURSERY STOCK ANSI 260.1. BNB TREES SHALL BE DUG WITH A BALL OF SOIL, NOT SOFT BALLED OR POTTED AND SHALL BE FIRM IN THEIR ROOTBALL ROOT BALL SHALL BE WRAPPED (WITH BIODEGRADABLE MATERIAL). THE TREE ROOT FLARE, OR COLLAR, SHALL BE AT OR WITHIN THE TOP THREE INCHES OF GRADE.
- ALL SPRING TREES MUST BE FRESHLY DUG IN THE MOST RECENT SPRING SEASON.
- ALL AUTUMN TREES MUST BE FRESHLY DUG IN THE MOST RECENT AUTUMN SEASON.
- TREES SHALL BE ALIVE. HEALTHY AND APPROPRIATELY MOIST. AT TIME OF DELIVERY
- TREES SHALL BE SUBJECT TO INSPECTION FOR CONFORMITY TO SPECIFICATION REQUIREMENTS AND APPROVAL BY THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE. THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY TREES THAT DO NOT MEET THE SPECIFICATIONS OR THAT HAVE BEEN DAMAGED DURING SHIPMENT. THE LANDSCAPE INSTALLER MUST RECEIVE APPROVAL FROM LANDSCAPE ARCHITECT FOR ANY SUBSTITUTIONS OR ALTERATIONS.
- ALL PLANT MATERIAL AND SEED SHALL BE PROVIDED FROM A NURSERY (WITHIN 200 MILES) WITH A SIMILAR PLANT HARDINESS ZONE AS PROJECT LOCATION EXISTING SOIL SHALL BE AMENDED PER SOIL ANALYSIS REPORT TO ENSURE A PROPER GROWING MEDIUM IS ACHIEVED.
- 12. ALL PLANT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH PLANTING DETAILS.
- 13. ALL PLANTING BEDS SHALL HAVE A MINIMUM 10' DEPTH OF PREPARED SOIL. WITH APPROVAL, EXISTING SOIL MAY BE UTILIZED PROVIDED THE PROPER SOIL AMENDMENTS ARE TILLED THOROUGHLY INTO THE TOP 10' OF SOIL. REFER TO SOIL PLACEMENT NOTES.
- WHILE PLANTING TREES AND SHRUBS, BACKFILL § OF PLANTING HOLE AND WATER TREE THOROUGHLY BEFORE INSTALLING THE REMAINDER OF SOIL MIXTURE. AFTER ALL SOIL HAS BEEN PLACED INTO THE PLANTING HOLE WATER THOROUGHLY AGAIN.
- 5. THE CONTRACTOR MUST LABEL ALL TREES WITH THE COMMON AND BOTANICAL NAMES PRIOR TO FINAL INSPECTION.
- 18. AREAS THAT CALL FOR BARK MULCH SHALL RECEIVE LANDSCAPE FABRIC. CONTRACTOR TO PROVIDE LANDSCAPE FABRIC SPECIFICATIONS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. LANDSCAPE FABRIC SHALLE BI INSTALLED TO COVER THE ENTIRE AREA TO RECEIVE BARK MULCH WITH EACH SEAM OVERLAPPING A HUMMINM OF ©. SEMBS SHALL BE TARTED AT 12' INTERVALS.
- ALL PLANTING BEDS SHALL BE MULCHED WITH 3' DEEP SHREDDED HARDWOOD MULCH, AND ALL TREES PLANTED IN TURF AREAS SHALL RECEIVE A 3' DEEP
- SHREDDED HARDWOOD MULCHED RING AS SHOWN IN PLANTING DETAILS.
- 18. ALL PLANTING BEDS AND TREE RINGS SHALL HAVE A COMMERCIAL GRADE POLVETHYLENE EDGE INSTALLED. BED EDGES ARE TO BE CUT CLEAN AND SMOOTH AS SHOWN ON LANDSCAPE PLANS WITH A CLEAN DEFINITION BETWEEN TURF AND PLANTING AREAS. 19. ALL SODDED AREAS SHALL RECEIVE A MINIMUM OF 2" DEPTH OF TOPSOIL. WITH APPROVAL EXISTING SOIL MAY BE UTILIZED PROVIDED THE PROPER SOIL
- ALL SOCIED AREAS SHALL RECEIVE A MINIMUM OF 2' DEPTH OF TOPSOL. WITH APPROVAL, EXISTING SOLL MAY BE UTILZED PROVIDED THE PROFENS SOL MARENDINENTS ARE TLEED THOROUGHLY UNTO THE TOP 6' OS OLA AS NIGOLTED IN THE SOL PLACEMENT NOTES. APPLY A 10-10-10 STARTER FERTLEZER UNIFORMLY AT RECOMMENDED RATES PRORE TO INSTALLATION OF SOL. INSTALL SOL UNIFORMLY WITH STAGGERED JOINTS, LAD TOTS HOT EN THE TRUE SDE TO SIDE. FOLL SOL WITH A MAKE BERING FOLLER AND WATER MIREDURELY TO A DEPTH OF 3'', SOL INSTALLED IN SAULES AND ON SLOPES EXCEEDING 13 SHALL BE STARED. CONTRACTOR IS RESPONSIBLE TO PROVIDE A SMOOTH, UNIFORM, HEALTHY LAWN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE FRST 2 MOVINGS NOW MITER MIREDURENT THE STOL.
- 20 ALL TURE SEED AREAS SHALL HAVE A MINIMUM DEPTH OF 6" OF TOPSOIL. WITH APPROVAL EXISTING SOIL MAY BE UTILIZED PROVIDED THE PROPER SOIL AMENDMENTS ARE TILLED THOROUGHLY INTO THE TOP 6' OF SOIL AS INDICATED IN THE SOIL PLACEMENT NOTES. REQUIRED AMENDMENTS SHALL BE DETERMINED BASED ON A SOIL ANALYSIS TO BE PERFORMED. ALL TOPSOIL AMENDMENT SHALL BE AGED WEED FREE MANURE OR CLASS 1 ORGANIC MATTER
- TOR LAWN SECING, APRV A STINTER FERTLER AND SEED UNFORMULAT THE BATE RECOMMENDED BY MANUFACTURER, AND PROVIDE A MAICH CONCRIMENT THAT SITURATE TO PROVIDE SEED CENTROLING AND THE BATE RECOMMENDED BY MANUFACTURER, AND PROVIDE A MAICH SPECIFICATIONS TO THE LANDSCAPE ARCHITECT FOR APPROVAL PROVIDE TO INSTALLATION. EROSION CONTROL MEASURES ARET DES INSTALLED IN THOSE AREAS RECURRINGS STABLIZATION SUMLES. SUCHES EXCEEDING 13. AND THOSE LOCATIONS MONIFACTE TO THOM PROVIDES.
- 22. THE CONTRACTOR TO ENSURE A SMOOTH, UNIFORM QUALITY TURF IS ACHIEVED WITH NO BARE SPOTS LARGER THAN 6' X 6'. ANY BARE SPOTS LARGER THAN 6' X6' AT THE END OF ESTABLISHMENT PERIOD SHALL BE RESEEDED AT THE CONTRACTORS EXPENSE TO OBTAIN A DENSE, UNIFORM LAWN.
- 23. ALL FINISH GRADING AND LAWN AREAS TO BE INSTALLED BY LANDSCAPE CONTRACTOR.
- 24. ALL DISTURBED AREAS WITHIN THE PROJECT SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
- 25. ALL DISTURBED AREAS OUTSIDE THE LIMITS OF WORK SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER 26. THE CONTRACTOR SHALL ENSURE THAT SOIL CONDITIONS AND COMPACTION ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AROUND THE CONSTRUCTION SITE. UNDESIRVALE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ENSURE PROPER SURFACE AND SUBSURFACE DRAINAGE IN ALL AREAS
- 27. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, INCLUDING ANY IRRIGATION LINES, PRIOR TO DIGGING. CONSULT DIGGERS HOTLINE.
- 28. TREES SHALL BE INSTALLED NO CLOSER THAN-
- -10 FEET FROM ANY FIRE HYDRANT
- 7 FEET FROM DRIVEWAYS, STORM SEWER, SANITARY SEWER LATERALS, AND WATER SERVICE
- 29. THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, FEES, AND LICENSES NECESSARY FOR THE INSTALLATION OF THIS PLAN.
- 30. THE CONTRACTOR IS TO REVIEW ALL SITE ENGINEERING DOCUMENTS PRIOR TO INSTALLATION. ANY CONFLICTS MUST BE REPORTED TO THE LANDSCAPE ARCHITECT. THESE LANDSCAPE DRAWINGS ARE FOR THE INSTALLATION OF PLANT MATERIALS ONLY UNLESS OTHERWISE STATED.
- 31. THE CONTRACTOR SHALL PROVIDE WATERING AND MAINTENANCE SERVICES FOR A PERIOD OF 60 DAYS TO ENSURE VEGETATIVE ESTABLISHMENT. UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL SUPPLY THE OWNER IN WRITING WITH ONGOING WATERING AND MAINTENANCE INSTRUCTIONS.
- 32. PLANT MATERIALS SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM TIME OF OWNER ACCEPTANCE. ONLY ONE REPLACEMENT PER PLANT WILL BE REQUIRED DURING THE WARRANTY PERIOD EXCEPT IN THE EVENT OF FAILURE TO COMPLY WITH THE SPECIFIED REQUIREMENTS.
- 33. THE CONTRACTOR IS RESPONSIBLE TO CONDUCT A FINAL WALK THROUGH WITH THE LANDSCAPE ARCHITECT AND OR OWNERS REPRESENTATIVE TO ANSWER QUESTIONS, PROVIDE WRITTEN INSTRUCTIONS, AND ENSURE THAT PROJECT REQUIREMENTS HAVE BEEN MET.

#### SOIL PLACEMENT NOTES

- LOGSEN SUBGRADE TO A MINIMUM DEPTH INDICATED IN PLANTING NOTES USING A CULTHAULCHER OR SIMILAR EQUIPMENT, AND REMOVE STONES MEASURING OVER 1-1/2 INCHES IN ANY DIMENSION, STICKS, RUBBISH AND OTHER EXTRANECUS MATTER. AREAS ADJACENT TO WALKS AND PAVEMENT SHALL BE FREE OF EXCESS STONE AND PAVING MATERIALS SO AS TO PROVIDE AN UNIVERSITIVETE DORSS SECTION OF SOLI. INTERNAL PARKING ISLANDES SHALL BE LOGOSENED TO A DEPTH OF 30".
- THOROUGHLY BLEND PLANTING SOIL MIX FOR PLANTING BED AREAS. (1 PART EXISTING SOIL, 1 PART TOPSOIL, 1 PART ORGANIC SOIL AMENDMENT, 2.9 POUNDS PER CUBIC YARD OF 4-4-4 ANALYSIS SLOW-RELEASE FERTILIZER)
- 3 TREE AND SHRUB HOLES SHALL BE FILLED WITH A PREPARED PLANTING MIXTURE OF 1 PART TOPSOIL 2 PARTS PLANTING SOIL MIX

- SPREAD SOIL AND SOIL AMENDMENTS TO DEPTH INDICATED ON DRAWINGS, BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER NATURAL SETTLEMENT, IFINISH GRADE OF FLANTING BEDS SHALL BES VELOW ALL ADJACENT SURFACES. FINISH GRADE OF TURF SEEDING AREAS SHALL BE 1° BELOW ALL ADJACENT HARD SURFACES, WALKS, MOZ CURES, ) PLACE APPROXIMATELY 1/2 OF TOTAL AMOUNT OF SOIL REQUIRED, WORK INTO TOP OF LOOSENED SUBGRADE TO CREATE A TRANSITION LAYER. THEN PLACE
- REMAINDER OF THE SOIL. SOIL TRANSITION LAVER SHALL BE TILLED TO A MINIMUM DEPTH OF 6' BELOW THE DEPTH OF NEWLY PLACED SOIL. PARKING LOT ISLANDS SHALL BE CROWNED TO A HEIGHT OF 6' TO PROVIDE PROPER DRAINAGE UNLESS OTHERWISE NOTED.

PLAN I DESIGN I DELIVER

- DO NOT SPREAD IF PLANTING SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET
- FINISH GRADING: GRADE SOIL TO A SMOOTH UNIFORM SURFACE PLANE WITH A LOOSE. UNIFORMLY FINE TEXTURE
- 8. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES.
- 9. RESTORE PLANTING BEDS IF ERODED OR OTHERWISE DISTURBED AFTER FINISH GRADING AND BEFORE PLANTING.

- NATIVE PLANTINGS AND PRAIRIE Specifications for Hand Broadcasting
- conducted in late fall (September 1- Soil Freeze) so that seeds may lie do fication, or spring (March 1-June 1) to allow a complete growing season to
- A. Preparation of Soil Prior to Seeding
- - Avoid driving over the specified area with machinery

- C. Seed Mix

(4)

WAUKESHA, WI

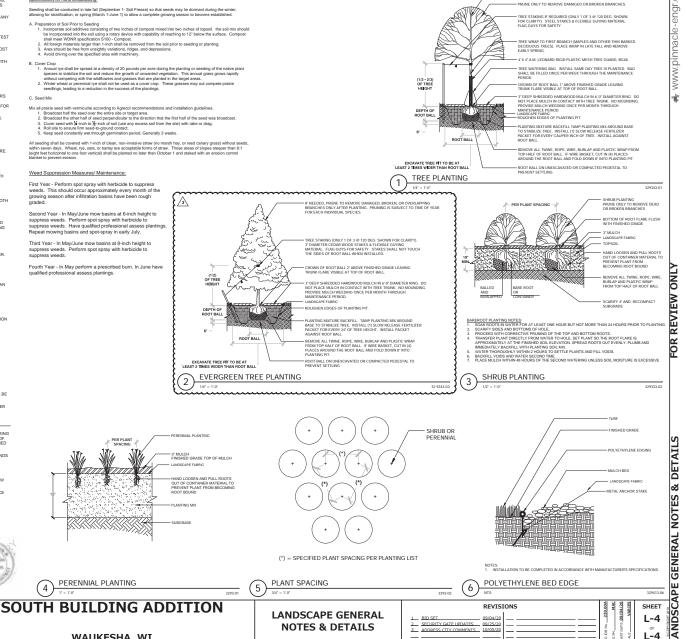




Second Year - In May/June mow basins at 6-inch height to suppress weeds. Perform spot spray with herbicide to uppress weeds. Have qualified professional assess plantings. Repeat mowing basins and spot-spray in early July.

Third Year - In May/June mow basins at 8-inch height to suppress weeds. Perform spot spray with herbicide to suppress weeds.

Fourth Year - In May perform a prescribed burn. In June have qualified professional assess plantings.



1 BID SET

3 ADDRESS CITY COMMENTS 10/05/20

09/04/2

LANDSCAPE GENERAL

**NOTES & DETAILS** 

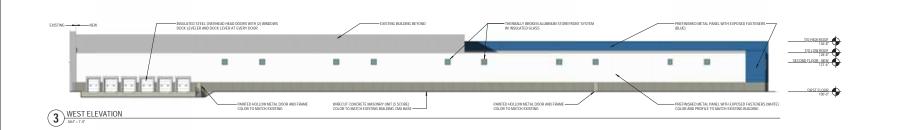
L-4

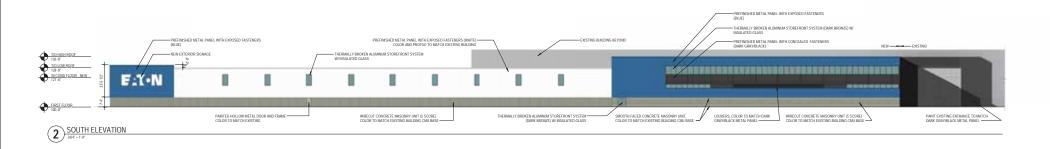
L-4

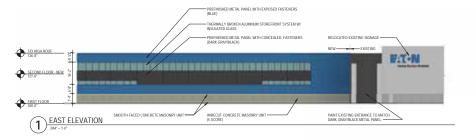
TREE WITH STRONG CENTRAL LEADER (DO NOT CUT LEADER)

			CONCEPT PLANT KEY
PROPOSED BUILDING			<ul> <li>BENERIC STATES ST</li></ul>
	SOUTH BUILDING ADDITION WAUKESHA, WI	LANDSCAPE COLOR EXHIBIT	











EXTERIOR RENDERING



EATON CORPORATION BADGER DRIVE FACILITY

220395 10/5/2020



EATON CORPORATION BADGER DRIVE FACILITY

EXTERIOR RENDERING





EXTERIOR RENDERING

EATON CORPORATION BADGER DRIVE FACILITY

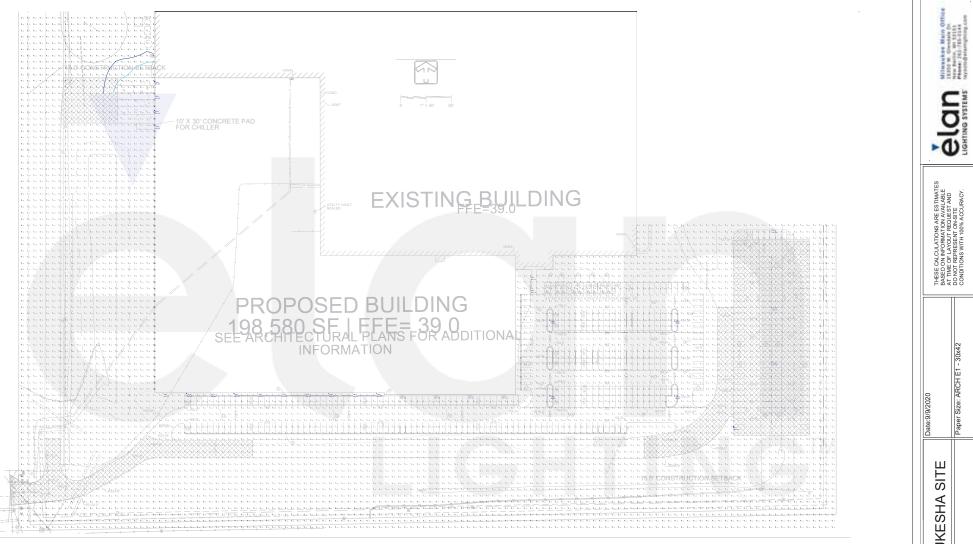


EXTERIOR RENDERING



eua

EATON CORPORATION BADGER DRIVE FACILITY



# Scale: 1 inch= 40 Ft.

	Luminaire Schedule								
S	symbo	bl	Label	Quantity	Manufacturer	Catalog Number	Lumens	LLF	Watts
	- 0	)	OA2		COOPER LIGHTING SOLUTIONS - INVUE (FORMERLY EATON)	ARB-B1-LED-D1-T2	2045	0.900	24
		-	OP4	2	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-C40-D-UNV-T4-BZ	17087	0.900	131
	•	-	OP5-2	4	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-C40-D-UNV-T5-BZ	18264	0.900	131
	5.3	3	OP5-3			PRV-C40-D-UNV-T5-BZ	18264	0.900	131
	•		OW4	18	COOPER LIGHTING SOLUTIONS - McGRAW-EDISON (FORMERLY EATON)	GWC-AF-01-LED-E1-T4FT	6542	0.900	59

EATON ADDITION WAUKESHA SITE Terminal Andrae Inc.