

Kapur

1224 S. Pine Street Burlington, Wisconsi 53105

kapurinc.com
PROJECT:

LAVELLE INDUSTRIES

LOCATION:

CITY OF WHITEWATER, WISCONSIN

CLIENT:



RELEASE:

FOR CITY REVIEW

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SHEET:

TITLE

PROJECT MANAGER: GL
PROJECT NUMBER: 25.0048.1
DATE: 4-9-202

SHEET NUMBER:

1.0

- 1. CONTRACTOR MUST CONFORM WITH ANY STATE, FEDERAL, AND LOCAL PERMITS, ORDINANCES AND/OR REGULATIONS AND WITH THE CONDITIONS INCLUDED IN THIS PLAN SET. EROSION CONTROL MEASURES SHALL BE INSTALLED, MAINTAINED AND REMOVED IN CONFORMANCE WITH THE WISCONSIN DNR STORMWATER MANAGEMENT TECHNICAL STANDARDS, WITH THE DETAILS AND NOTES LISTED IN THIS PLAN SET, AND ADJUSTED TO FIT FIELD CONDITIONS ON AN AS NEEDED BASIS.
- 2. APPLY APPROPRIATE SOIL CONSERVATION MEASURES TO PROTECT PROJECT AREA AND ADJACENT LANDS, THESE MEASURES MAY INCLUDE, BUT ARE NOT LIMITED TO MULCHING, RAPID GROWTH VEGETATION, FABRIC EROSION MAT, SILT SOCKS, DITCH CHECKS. INLET PROTECTION. TRACKING PAD AND SILT FENCE.
- 3. ALL EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL.
- 4. INSPECT ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING OR ANY OTHER LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES SHALL BE INSPECTED, AT A MINIMUM, WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES ½ INCH OF RAIN OR MORE DURING A 24 HOUR PERIOD. MAINTENANCE SHALL BE IN ACCORDANCE WITH THE WONR STORMWATER MANAGEMENT TECHNICAL STANDARDS AND THE ENGINEER'S PLANS AND AS DEEMED NECESSARY BY THE REGULATORY AGENCIES. EROSION CONTROL MAINTENANCE WILL BE AN ONGOING PROCESS THROUGHOUT THE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN A DAILY LOG BOOK ON SITE NOTING INSPECTION DATES AND TIMES, REPAIRS NECESSARY AND REPAIRS MADE. EROSION CONTROL MEASURES ARE TO BE IN WORKING AND EFFECTIVE CONDITION AT THE END OF EACH WORKING DAY.
- PROJECT PERMITS, APPROVED PROJECT PLANS, THE CONTRACTOR'S DAILY LOG BOOK, AND WEEKLY EROSION CONTROL INSPECTION REPORTS MUST BE KEPT ON SITE IN AN ACCESSIBLE LOCATION.
- 6. EROSION CONTROL MEASURES INCLUDING SILT FENCE, FIBER LOGS, TRACKING PAD BUT NOT LIMITED TO DITCH CHECKS, EROSION MATTING, AND SILT DIKES SHALL NOT BE REMOVED UNTIL THE AREAS THEY SERVE HAVE ESTABLISHED VEGETATIVE COVER (I.E. 80% VEGETATIVE GROWTH OR AS OTHERWISE AUTHORIZED BY REGULATORY AGENCIES).
- 7. THE FOLLOWING EROSION CONTROL METHODS ARE TO BE UTILIZED ON THE SITE:
- A.) SILT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING OR LAND DISTURBANCE. OVERLAND FLOW SHALL BE PREVENTED FROM LEAVING THE WORK SITE BY INSTALLING SILT FENCE PARALLEL TO THE CONTOURS AT LOCATIONS SHOWN ON THE PLANS.
- B.) TRACKING OF MATERIAL FROM THE PROJECT SITE ONTO INNOVATION DR. & UNIVERSAL BLVD. WILL BE PREVENTED. A 3" TO 6" CLEAR OR WASHED STONE TRACKING PAD SHALL BE BUILT PURSUANT TO DNR TECHNICAL STANDARD 1057 AT THE CONSTRUCTION ACCESS POINTS TO PREVENT TRACKING OF SOIL.
- C.) INLET FILTER PROTECTION SHALL BE INSTALLED AFTER INLETS ARE CONSTRUCTED.
- D.) IF TRENCH WATER IS ENCOUNTERED, ALL TRENCH WATER MUST BE DISCHARGED INTO A SETTLING BASIN OR FILTERING DEVICE SUCH AS A FILTER BAG PRIOR TO RELEASE. IF THE CONTRACTOR DETERMINES THAT DEWATERING WILL BE NECESSARY, A DEWATERING PLAN MUST BE SUBMITTED TO THE WDNR COUNTY BY THE CONTRACTOR FOR APPROVAL AND A WDNR TRENCH PERMIT ALSO MAY BE NECESSARY AND IS THE RESPONSIBILITY OF THE CONTRACTOR. SEE NOTE 11 BELOW FOR ADDITIONAL INFORMATION.
- E.) FOLLOWING THE INITIAL SOIL DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS WITH TEMPORARY OR PERMANENT STABILIZATION METHODS AS APPROPRIATE. A NON-TOXIC TACKIFIER OR POLYMER MUST BE USED FOR STABILIZATION PURPOSES AFTER THE GROWING SEASON (TYPICALLY AFTER OCTOBER 15TH ANNUALLY).
- F.) ANY SOIL STOCKPILED THAT REMAINS UNDISTURBED FOR SEVEN (7) DAYS MUST BE STABILIZED AS APPROPRIATE (SEE ABOVE NOTE 7E). SILT FENCE MUST BE PLACED ON DOWN SLOPE SIDES OF STOCKPILE AREAS.
- G.) ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS AND OTHER WASTES) SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO BE CARRIED OFF—SITE BY RUNOFF OR WIND.
- H.) ALL OFF—SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION WORK OR A STORM EVENT SHALL BE CLEANED BY THE END OF EACH WORK DAY AND AREAS RESTORED. FLUSHING SHALL NOT BE ALLOWED.
- I.) ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR THE APPLICATION OF STABILIZATION MEASURES MUST BE REPAIRED AND THE STABILIZATION WORK REDONE.
- J.) WIND EROSION SHALL BE KEPT TO A MINIMUM DURING CONSTRUCTION. WATERING, MULCH OR A TACKING AGENT MAY NEED TO BE UTILIZED TO PROTECT NEARBY RESIDENCES & WATER RESOURCES.
- 8. EROSION CONTROL MEASURES SHALL BE MAINTAINED AS FOLLOWS:
- A.) SILT FENCE SEDIMENT/DEPOSITS/DEBRIS SHALL BE REMOVED AFTER EACH PRECIPITATION EVENT AS NEEDED AND IF DEPOSITS REACH 25% THE HEIGHT OF THE FENCE.
- B.) DITCH CHECKS DAMAGED OR ANY UNDERCUTTING OR FLOWS AROUND THE END OF THE DITCH CHECKS SHALL BE REPAIRED OR REPLACED. ACCUMULATION OF SEDIMENT/DEBRIS 1/2 THE HEIGHT OF THE DITCH CHECK SHALL BE REMOVED AS NEEDED.
- C.) INLET PROTECTION SEDIMENT DEPOSITS SHALL BE REMOVED AND THE INLET PROTECTION DEVICE RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED BETWEEN 1/3 TO 1/2 THE DESIGN DEPTH OF THE DEVICE, OR WHEN THE DEVICE IS NO LONGER FUNCTIONING AS DESIGNED. CARE SHALL BE TAKEN SUCH THAT SEDIMENT DOES NOT FALL INTO THE INLET; ANY MATERIAL FALLING INTO THE INLET SHALL BE IMMEDIATELY REMOVED.
- 9. AT ABSOLUTELY NO TIME MAY CONSTRUCTION EQUIPMENT, DEBRIS, FILL, ETC BE USED, PLACED, OR OTHERWISE STORED WITHIN WETLANDS, WATERWAYS, OR FLOOD PLAINS, AND/OR OTHER NATURAL RESOURCE AREAS AND SHALL BE PROPERLY SECURED WITHIN THE PROJECT STAGING AREA DURING PERIODS OF INACTIVITY.
- 11. IN THE EVENT DEWATERING IS NECESSARY, DEWATERING SHALL TAKE PLACE PER WISCONSIN DNR TECHNICAL STANDARD 1061. A FILTER BAG SHALL BE SECURELY ATTACHED TO THE TERMINAL END OF THE PUMP HOSE. THE PUMP SHALL BE PLACED UPON A CONTAINER, WHICH MILL CAPTURE SPILLS AND/OR LEAKS. A FILTER BAG MUST BE PLACED ON STABLE, NON-ERODIBLE GROUND AND SHOULD NOT BE PLACED UPGRADE OF BARE OR UNSTABLE GROUND UPON WHICH FILTERED WATER MILL RUNOFF AND BECOME RE-SUSPENDED WITH SEDIMENT. IN ADDITION THE FILTER BAG MAY NOT BE PLACED WITHIN WETLANDS, ON BANKS OF WATERWAY OR BELOW ORDINARY HIGH WATER MARK OF THE WATERWAY UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IF WATER LEAVING THE BAG IS CLOUDY OR TURBID, THE FILTER BAG WILL NEED TO BE REPLACED WITH A NEW BAG. A FILTER BAG MUST BE PROPERLY DISPOSED OF IN A LANDFILL UPON COMPLETION OF USE.
- 12. UNIVERSAL BOULEVARD AND INNOVATION DRIVE SHALL BE CLEAN BY THE END OF EACH WORKDAY. DURING HAULING ACTIVITIES CONTRACTOR SHALL HAVE ROADS SWEPT WHERE SEDIMENT ACCUMULATES AS NEEDED.

SEEDING AND MULCHING/SODDING SPECIFICATIONS:

1. SEEDING AND MULCHING AND/OR SODDING TECHNIQUES SHALL BE USED AT AREAS OF EXPOSED SOIL WHERE THE ESTABLISHMENT OF VEGETATION IS DESIRED. TEMPORARY SEEDING APPLIES TO DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND—DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 30 DAYS, REQUIRING VEGETATIVE COVER FOR LESS THAN ONE YEAR. SEED AND MULCH SHALL BE UTILIZED THROUGHOUT THE DURATION OF CONSTRUCTION TO ESTABLISH TEMPORARY VEGETATION TO HELP REDUCE EROSION PER WDNR TECHNICAL STANDARDS 1059 AND 1058 RESPECTIVELY AS FOLLOWS:

A. TEMPORARY SEEDING REQUIRES A SEEDBED OF LOOSE SOIL TO A MINIMUM DEPTH OF 2 INCHES.

B. FERTILIZER APPLICATION IS NOT GENERALLY REQUIRED FOR TEMPORARY SEFDING

C. ALL SEED SHALL CONFORM TO THE REQUIREMENTS OF THE WISCONSIN STATE STATUTES AND OF THE ADMINISTRATIVE CODE CHAPTER ATCP 20.01 REGARDING NOXIOUS WEED SEED CONTENT AND LABELING. SEED SHALL NOT BE USED LATER THAN ONE YEAR AFTER THE TEST DATE ON THE LABEL.

D. IN THE SPRING AND SUMMER CONTRACTOR SHALL USE OATS APPLIED AT 131 LBS/ACRE FOR TEMPORARY SEEDING PURPOSES. IN THE FALL THE CONTRACTOR SHALL USE WINTER WHEAT APPLIED AT 131 LBS/ACRE. THE CONTRACTOR SHALL USE STRAW MULCH APPLIED AT 1.5 TONS/ACRE. OR ORMANT SEED SHALL BE USED WHEN SOIL TEMPERATURE IS CONSISTENTLY BELOW 53 DEGREES FAHRENHEIT (TYPICALLY OCT. 15 UNTIL SNOW COVER ANNUALLY). NEVER PLACE SEED ON TOP OF SNOW. IF COVER IS NEEDED AFTER SNOW FALL, CONTRACTOR MAY CHOOSE TO USE A DRY, NONTOXIC TYPE B SOIL STABILIZER PER MANUFACTURER'S SPECIFICATIONS AS REQUIRED BY THE WONR. SOIL STABILIZERS SHALL NOT BE USED WITHIN 30 FEET OF WETLANDS OR WATERS.

E. SEEDING SHALL NOT TAKE PLACE WHEN THE SOIL IS TOO WET.

F. CONTRACTOR MAY CONSIDER WATERING TO HELP ESTABLISH THE SEED. WATER APPLICATION RATES SHALL BE CONTROLLED TO HELP PREVENT RUNOFF AND EROSION.

G. DURING CONSTRUCTION, AREAS THAT HAVE BEEN SEEDED AND MULCHED SHALL AT A MINIMUM BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES ½ INCH OF RAIN OR MORE DURING A 24 HOUR PERIOD. INSPECT WEEKLY DURING THE GROWING SEASON UNTIL VEGETATION IS DENSELY ESTABLISHED OR THE SOD IS PLACED. REPAIR AND RESEED/RESOD AREAS THAT HAVE EROSION DAMAGE AS NECESSARY

H. CONTRACTOR IS TO LIMIT VEHICLE TRAFFIC AND OTHER FORMS OF COMPACTION IN AREAS THAT ARE SEEDED AS MUCH AS POSSIBLE. RESEED DRIVEN OVER AREAS AS NEEDED.

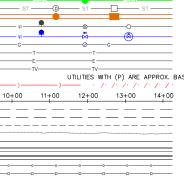
I. MULCH SHOULD BE PLACED WITHIN 24 HOURS OF SEEDING.

J. MULCHING OPERATIONS SHALL NOT TAKE PLACE DURING PERIODS OF EXCESSIVELY HIGH WINDS THAT WOULD PRECLUDE THE PROPER PLACEMENT OF MULCH.

K. MULCH THAT IS DISPLACED SHALL BE REAPPLIED AND PROPERLY ANCHORED. MAINTENANCE SHALL BE COMPLETED AS SOON AS POSSIBLE WITH CONSIDERATION TO SITE CONDITIONS.

L. AREAS OF CONCENTRATED FLOW, IF NOT SODDED, SHALL AT A MINIMUM, HAVE CLASS I, TYPE A EROSION MATTING INSTALLED IN PLACE OF MULCH. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION.

# LEGEND



SAN EXISTING SANITARY SEWER & MANHOLE
NEW SANITARY SEWER & MANHOLE
STORM SEWER & MANHOLE
EXISTING STORM SEWER & MANHOLE
NEW STORM SEWER, MANHOLE, & CATCH BASIN
NEW STORM SEWER, MANHOLE, & CATCH BASIN
NEW STORM SEWER, MANHOLE, & CATCH BASIN
NEW WATER MAIN, HYDRANT, VALVE & MANHOLE
NEW WATER MAIN, HYDRANT, VALVE & MANHOLE
EXISTING GAS MAIN & VALVE
EXIST. UNDERGROUND TELEPHONE CABLE, M.H. & VAULT
EXIST. UNDERGROUND TELEPHONE CABLE, M.H. & VAULT
UTILITIES WITH (P) ARE APPROX. BASED OFF SYSTEM MAPS FROM UTILITY
UTILITIES WITH (P) ARE APPROX. BASED OFF SYSTEM MAPS FROM UTILITY

ABANDON UTILITIES, UTILITIES TO BE REMOVED STREET CENTERLINE & REFERENCE LINE (R/L)

EXISTING RIGHT—OF—WAY LINE PROPOSED RIGHT—OF—WAY LINE EXISTING TOP AND BOTTOM SLOPE EXISTING EDGE OF PAVEMENT PROPOSED EDGE OF PAVEMENT EXISTING CURB & GUTTER NEW STANDARD CURB & GUTTER EXISTING CHAIN LINK FENCE EXISTING WOODEN FENCE EXISTING GROUND AND PROPOSED GRADE IN PROPILE

#### SEQUENCING NOTES

THE FOLLOWING CONSTRUCTION SCHEDULE IS ANTICIPATED AS FOLLOWS:

- 1. OBTAIN APPROVAL AND ALL NECESSARY REGULATORY PERMITS.
- 2. INSTALL SILT FENCE AS SHOWN ON PROJECT EROSION CONTROL PLAN SHEET.
- CONTRACTOR OR HIS AGENT SHALL COMPLETE INITIAL EROSION CONTROL INSPECTION TO ENSURE ALL MEASURES HAVE BEEN PROPERLY INSTALLED PRIOR TO STARTING ANY LAND DISTURBANCE ON SITE.
- 4. BEGIN SITE GRADING ACTIVITIES & BEGIN BUILDING CONSTRUCTION.
- BEGIN LOADING DOCK CONSTRUCTION FOLLOWED BY WAREHOUSE AND INFILL BUILDING CONSTRUCTION. TRUCK ACCESS TO EXISTING DOCK SHALL BE MAINTAINED UNTIL NEW DOCK IS COMPLETED.
- 6. MATERIAL PLACED ON TOPSOIL STOCKPILE SHALL BE SEEDED AND MULCHED USING THE TEMPORARY SEED MIX AND MULCH APPLICATION RATE AS LISTED ON THIS PLAN SHEET UPON COMPLETION OF PLACEMENT OF TOPSOIL OR BY THE 7TH CALENDAR DAY THAT THE PILE IS NO LONGER UNDER ACTIVE DISTURBANCE. IT IS RECOMMENDED THAT THE PILE BE GRADED TO A SMOOTH CONCAVE CONTOUR TO PROVIDE LESS SURFACE AREA FOR POTENTIAL WIND EROSION.
- 7. CONTRACTOR WILL APPLY TEMPORARY SEED MIX AND MULCH TO SITE AREAS WHERE PRACTICAL (IE AREAS THAT WILL NOT BE DRIVEN OVER FOR CONSTRUCTION PURPOSES OR OTHERWISE DISTURBED) BY OCTOBER 15TH OR THE CONTRACTOR WILL NEED TO APPLY A DORMANT SEED MIX (WINTER WHEAT) POST OCTOBER 15TH. IF AREAS THAT WERE DISTURBED ARE AT GRADE AND OUT OF FUTURE DISRUPTION AREAS, ESTABLISH PERMANENT GROUND COVER APPROPRIATE FOR THE DISTURBED AREAS.
- 8. INSTALL SITE UTILITIES. INSTALL INLET PROTECTION FOLLOWING INSTALLATION OF INLET STRUCTURES, AS NECESSARY.
- 9. BEGIN PAVING OPERATIONS.
- 10. CONTRACTOR TO REPLACE TOPSOIL ON SITE; SEED AND MULCH TO BE USED FOR FINAL STABILIZATION OF THE SITE WHEN WEATHER CONDITIONS ARE CONDUCIVE FOR PLACEMENT. FINAL STABILIZATION SHALL BE IN CONJUNCTION WITH THE FINAL LANDSCAPING OF THE APPROXIMATED AREAS AS SHOWN ON THIS PLAN SET
- 11. CONTRACTOR TO REMOVE AND PROPERLY DISPOSE OF TEMPORARY EROSION CONTROL MEASURES INCLUDING SILT FENCE WHEN SITE HAS ESTABLISHED VEGETATIVE COVER.
- 12. BUILDING DOCK CONSTRUCTION THEN WAREHOUSE AND INFILL BUILDING CONSTRUCTION.

## CONTACT INFORMATION:

OWNER: LAVELLE INDUSTRIES 1215 UNIVERSAL BLVD WHITEWATER, WI 53190

AGENT: PSG, INC. LESLIE SCHERRER PELLA LESLIE@PSGWISCONSIN.COM 262-758-6064

CIVIL ENGINEER: KAPUR & ASSOCIATES, INC.

JACOB BRECKLER

JBRECKLER@KAPURINC.COM

262-758-6024

LIGHTING DESIGNER: VT POWER ENGINEERING VELEMIR TERZIC
VELEMIR.TERZIC@VTPOWERENGINEERING.COM

STRUCTURAL ENGINEER: STRUCRITE, INC.
BOYD COLEMAN
BOYDC@SRDINC.BIZ
262-549-3222 X2

kapur

1224 S. Pine Street Burlington, Wisconsin 53105

kapurinc.com

PROJECT:

LAVELLE INDUSTRIES

LOCATION:

CITY OF WHITEWATER, WISCONSIN

CLIENT:



RELEASE:

FOR CITY REVIEW

NORTH ARROW:

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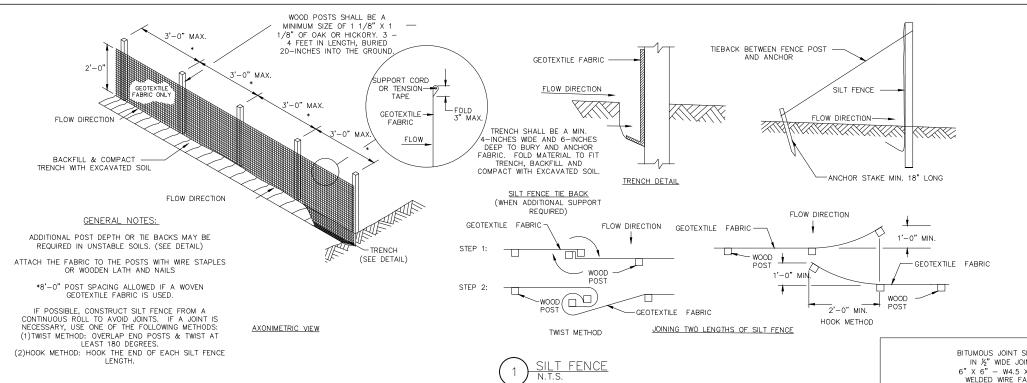
GENERAL NOTES

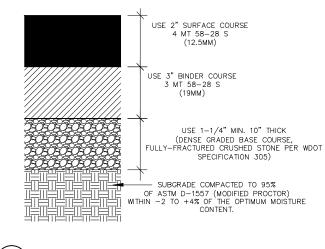
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25.0048.01





ASPHALT PAVEMENT

NOTES:

MANUFACTURED ALTERNATIVES
APPROVED AND LISTED ON THE DEPARTMENT'S CONTROL PRODUCT
ACCEPTABILITY LIST MAY BE SUBSTITUTED. WHEN REMOVING SUBSTITUTED. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL SED SERVICES.

BE REMOVED IMMEDIATELY.

1. FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MIN. OF 10"
AROUND THE PERIMETER TO
FACILITATE MAINTENANCE OR

REMOVAL.

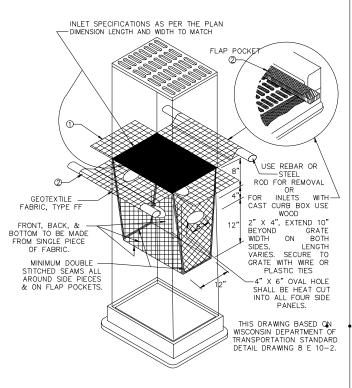
2. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2x4.

### INSTALLATION NOTES

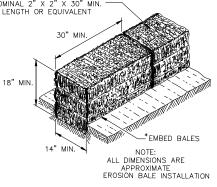
TYPE D
DO NOT INSTALL INLET
PROTECTION TYPE D IN INLETS SHALLOWER THAN 30",
MEASURED FROM THE BOTTOM
OF THE INLET TO THE TOP OF
THE GRATE.

THE GRATE.
TRIM EXCESS FABRIC IN THE
FLOW LINE TO WITHIN 3" OF THE
GRATE. THE INSTALLED BAG
SHALL HAVE A MINIMUM SIDE
CLEARANCE, BETWEEN THE INLET
WALLS AND THE BAG, MEASURED
AT THE BOTTOM OF THE
OVERFLOW HOLES, OF 3".
WHEPE NECESSAPY THE

NECESSARY WHERE NECESSARY THE
CONTRACTOR SHALL CINCH THE
BAG, USING PLASTIC ZIP TIES,
TO ACHIEVE THE 3" CLEARANCE.
THE TIES SHALL BE PLACED AT
A MAXIMUM OF 4" FROM THE
BOTTOM OF THE BAG.



PLAN VIEW IF REQUIRED TWO ROWS MAY BE USED WITH STAGGERED JOINTS. TAKES DRIVEN FLUSH WHEN SOIL CONDITIONS PERMITS VARIABI F FRONT ELEVATION ACROSS DITCH BOTTOM WOOD STAKES (2 PER BALE) NOMINAL 2" X 2" X 30" MIN. LENGTH OR EQUIVALENT



## GENERAL NOTES:

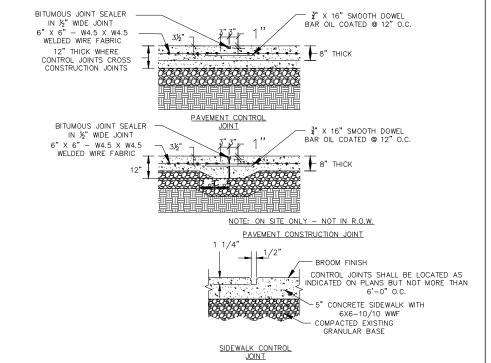
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

BALES SHOULD BE PLACED END TO END OR OVERLAPPING AT RIGHT ANGLES TO THE DIRECTION OF FLOW AND FAR ENOUGH UP THE SIDES OF THE DITCH TO PREVENT ERODING AROUND ENDS.

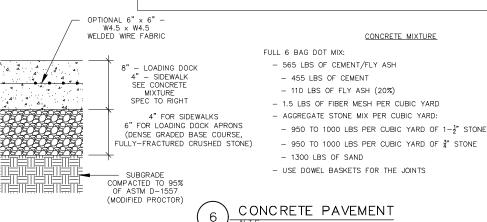
BALES SHALL BE PLACED WITH TWINE OR TIE WIRES PARALLEL TO THE GROUND. STAKES TO BE BATTERED IN OPPOSITE DIRECTIONS.

\* AS DETERMINED BY THE ENGINEER

DITCH CHECKS



CONTROL & CONSTRUCTION JOINT DETAILS



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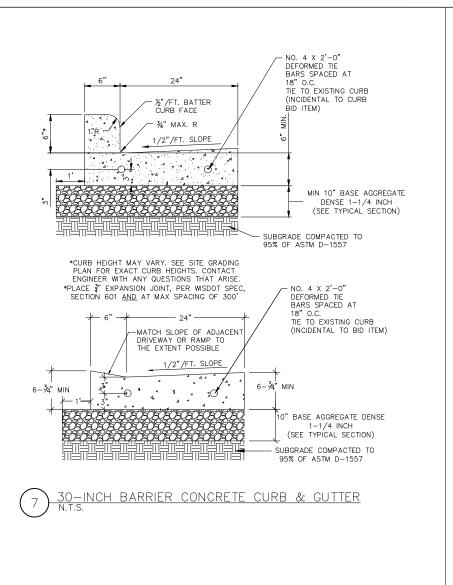
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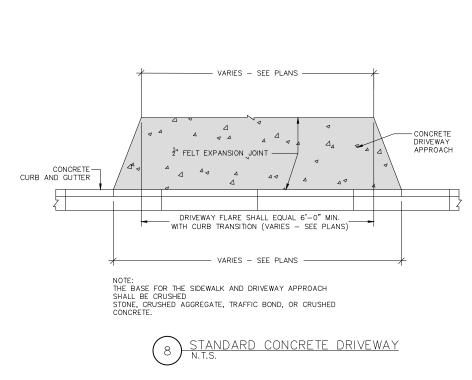


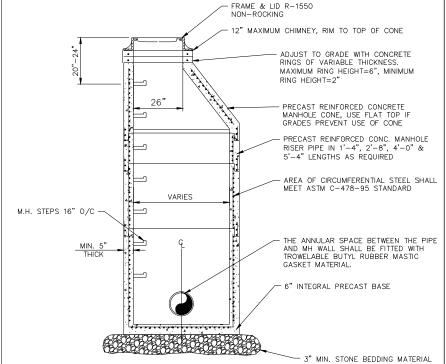
DETAILS

PROJECT MANAGER: PROJECT NUMBER: DATE: 25.0048.01 4-9-2025

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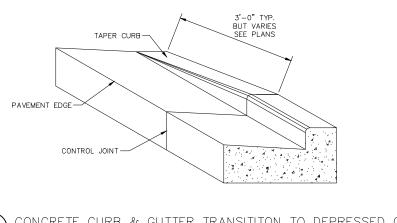




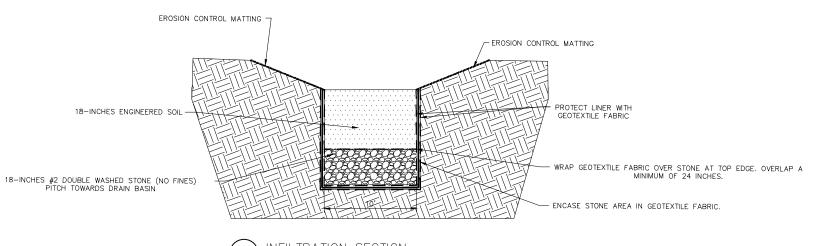
STORM MANHOLE NOTES:

- PRECAST CONCRETE ADJUSTING RINGS TO BE REINFORCED WITH ONE HOOP OF STEEL CENTERED WITHIN THE RING. WHERE NECESSARY, RINGS SHALL BE GROOVED TO RECEIVE STEP.
- 2. CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO DESIGNATION C-478 REQUIREMENTS OF ASTM SPECIFICATIONS.
- 3. JOINTS SHALL BE WATERTIGHT AND SHALL BE MADE USING RUBBER GASKETS OR BUTYL RUBBER MASTIC MATERIAL.
  - 4. 3" MIN. BEDDING MATERIAL REQUIRED UNDER MANHOLE BASE AND BACKFILLED STRUCTURE WITH GRANULAR BACKFILL MATERIAL.
- SEE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION, FILE NO. 12 FOR PRECAST MANHOLE AND FILE NO. 13 FOR MANHOLE INVERTS, INCLUDING INVERTS OF LATERAL SEWERS THAT CONNECT DIRECTLY TO MANHOLES.
- 6. REPLACE CONE WITH FLAT TOP SECTION WHEN NECESSARY DUE TO LARGER DIAMETER OF STRUCTURE/VERTICAL RESTRICTIONS.





CONCRETE CURB & GUTTER TRANSITITON TO DEPRESSED CURB 10



INFILTRATION SECTION N.T.S.



Burlington, Wisconsin 53105

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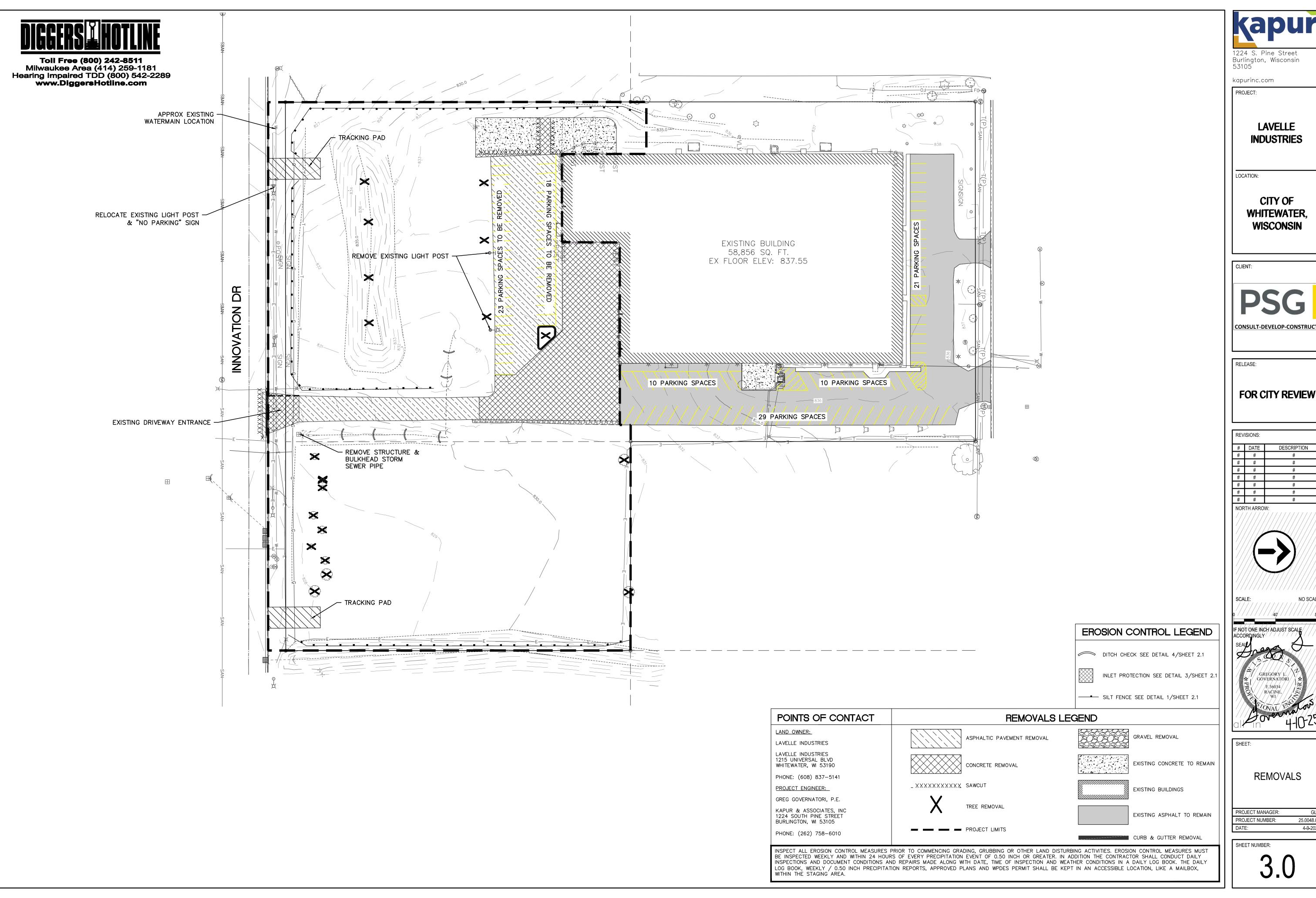
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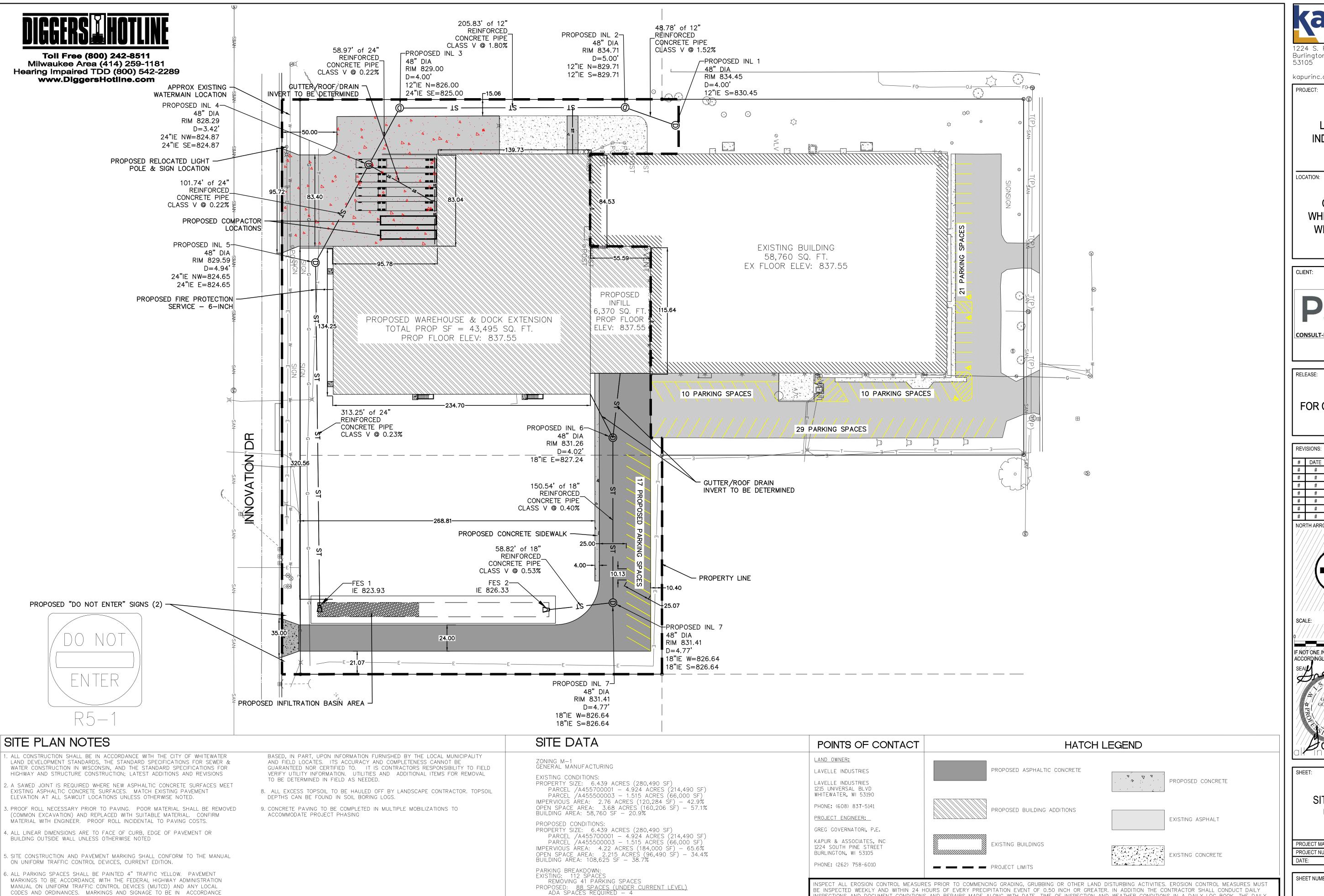
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SHEET:

REMOVALS

PROJECT MANAGER: PROJECT NUMBER:

SHEET NUMBER:



CODES AND ORDINANCES. MARKINGS AND SIGNAGE TO BE IN ACCORDANCE

. THE UNDERGROUND AND OVERHEAD UTILITY INFORMATION AS SHOWN HEREON IS



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SITE PLAN & UTILITY

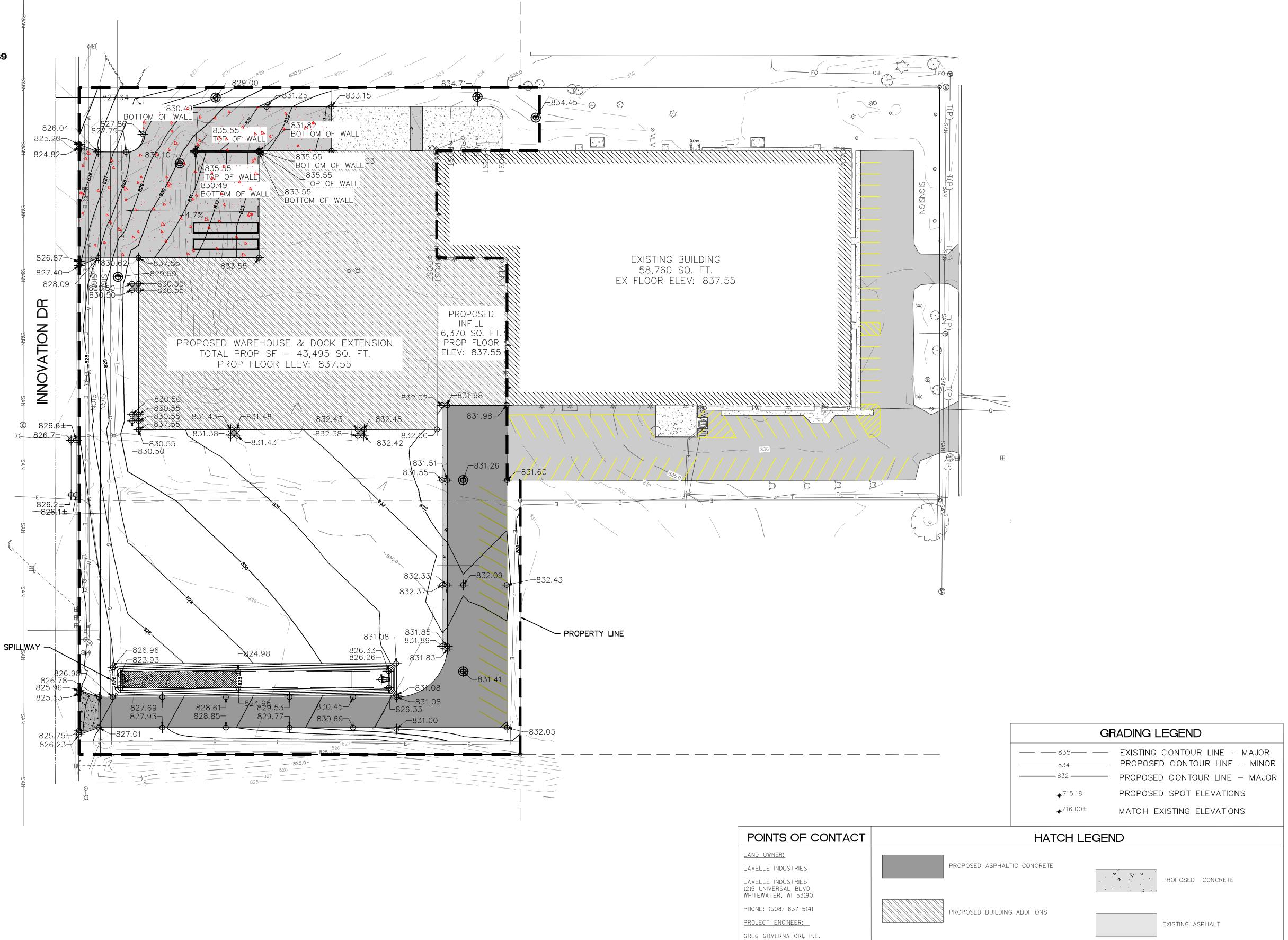
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ISPECTIONS AND DOCUMENT CONDITIONS AND REPAIRS MADE ALONG WITH DATE, TIME OF INSPECTION AND WEATHER CONDITIONS IN A DAILY LOG BOOK. THE DAILY LOG BOOK, WEEKLY / 0.50 INCH PRECIPITATION REPORTS, APPROVED PLANS AND WPDES PERMIT SHALL BE KEPT IN AN ACCESSIBLE LOCATION, LIKE A MAILBOX,

WITHIN THE STAGING AREA.





KAPUR & ASSOCIATES, INC

1224 SOUTH PINE STREET BURLINGTON, WI 53105

PHONE: (262) 758-6010

WITHIN THE STAGING AREA.

EXISTING BUILDINGS

INSPECT ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING, GRUBBING OR OTHER LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EVERY PRECIPITATION EVENT OF 0.50 INCH OR GREATER. IN ADDITION THE CONTRACTOR SHALL CONDUCT DAILY INSPECTIONS AND DOCUMENT CONDITIONS AND REPAIRS MADE ALONG WITH DATE, TIME OF INSPECTION AND WEATHER CONDITIONS IN A DAILY LOG BOOK. THE DAILY LOG BOOK, WEEKLY / 0.50 INCH PRECIPITATION REPORTS, APPROVED PLANS AND WPDES PERMIT SHALL BE KEPT IN AN ACCESSIBLE LOCATION, LIKE A MAILBOX,

PROJECT LIMITS

Kapur

1224 S. Pine Street Burlington, Wisconsin 53105

kapurinc.com

PROJECT:

LAVELLE INDUSTRIES

LOCATION:

CITY OF WHITEWATER, WISCONSIN

CLIENT:



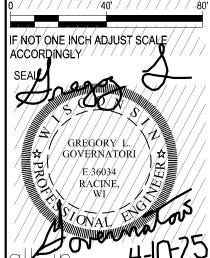
RELEASE:

FOR CITY REVIEW

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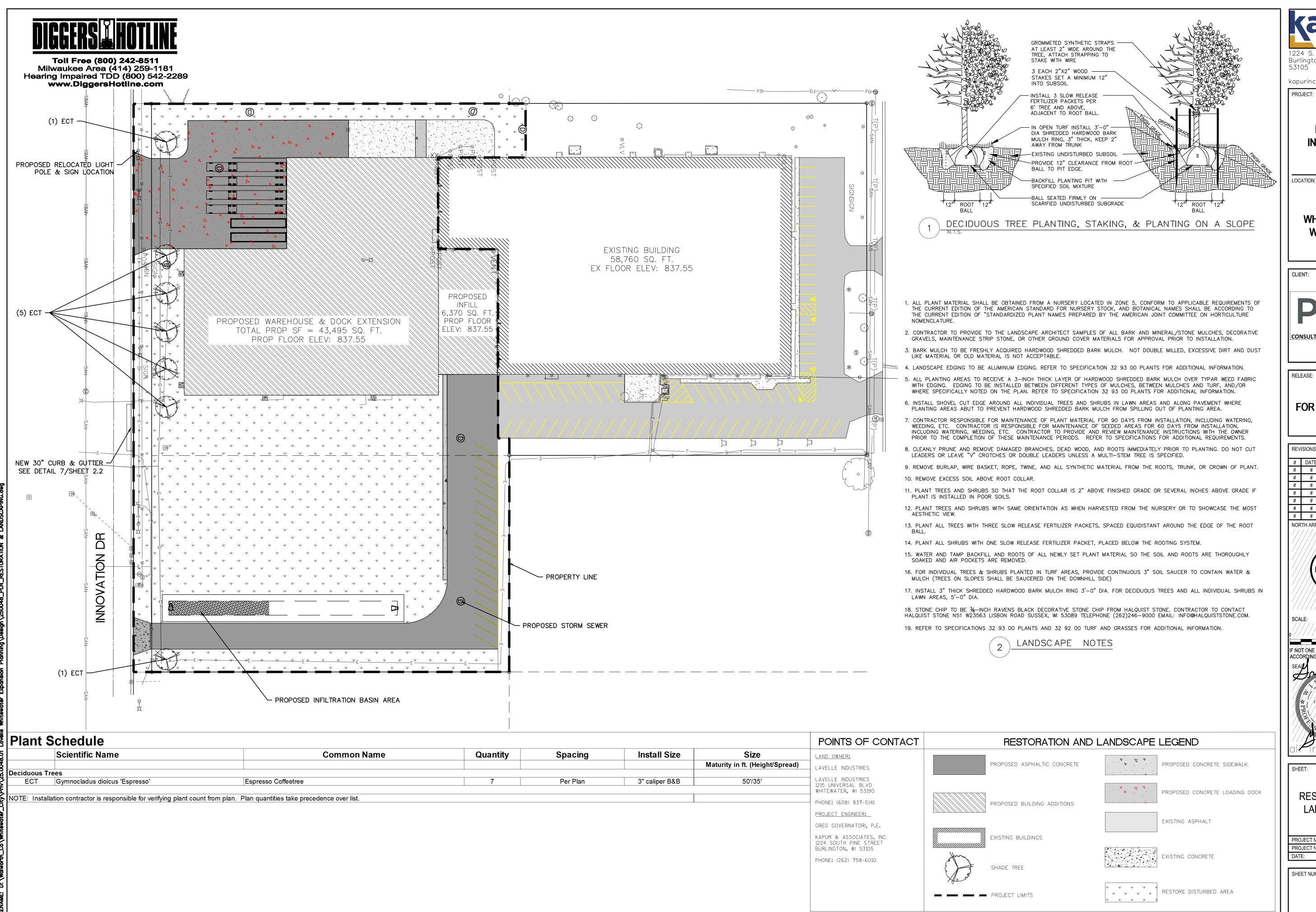
EXISTING CONCRETE

GRADING

PROJECT MANAGER: GLG
PROJECT NUMBER: 25.0048.01
DATE: 4-9-2025

SHEET NUMBER:

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Burlington, Wisconsin

kapurinc.com

**LAVELLE INDUSTRIES** 

OCATION:

CITY OF WHITEWATER, **WISCONSIN** 



RELEASE:

**FOR CITY REVIEW** 

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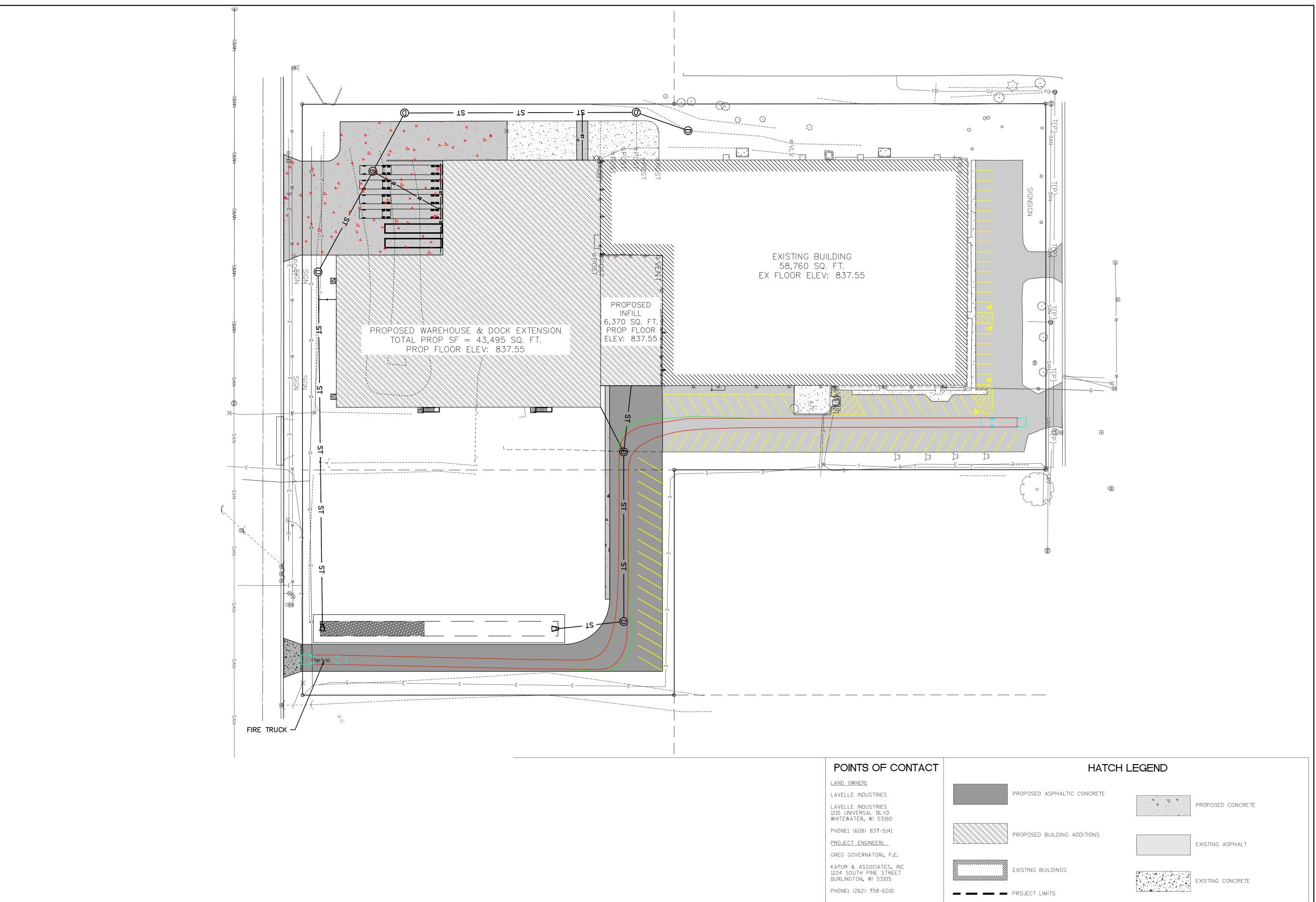
NO SCALE IF NOT/ONE INCH ADJUST SCALE

SHEET:

**RESTORATION &** LANDSCAPING

PROJECT MANAGER: PROJECT NUMBER: 4-9-2025

SHEET NUMBER:



Kapur

1224 S. Pine Street Burlington, Wisconsin 53105

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PROJECT:

LAVELLE

**INDUSTRIES** 

LOCATION

CITY OF WHITEWATER, WISCONSIN

CLIENT:



RELEASE:

REVISIONS:

FOR CITY REVIEW

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SHEET:

FIRE TRUCK
TURNING EXHIBIT

PROJECT MANAGER: GLG
PROJECT NUMBER: 25.0048.01
DATE: 4-9-2025

SHEET NUMBER:

INSPECT ALL EROSION CONTROL MEASURES PRIOR TO COMMENCING GRADING, GRUBBING OR OTHER LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EVERY PRECIPITATION EVENT OF 0.50 INCH OR GREATER. IN ADDITION THE CONTRACTOR SHALL CONDUCT DAILY INSPECTIONS AND DOCUMENT CONDITIONS AND REPAIRS MADE ALONG WITH DATE, TIME OF INSPECTION AND WEATHER CONDITIONS IN A DAILY LOG BOOK. THE DAILY

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