

# PRELIMINARY SITE PLAN FOR KIA WAUKESHA EXPANSION CITY OF WAUKESHA, WISCONSIN

## LEGEND (PROPOSED FEATURES)

	TREE REMOVAL
	EXISTING CONCRETE PAVEMENT TO BE REMOVED
	EXISTING ASPHALT PAVEMENT TO BE REMOVED
	EXISTING GRAVEL TO BE REMOVED
	EXISTING BUILDING/STRUCTURE TO BE REMOVED
	SAWCUT LINE
	PROPOSED PROPERTY LINE
	PROPOSED SITE LIGHTING (DESIGNED BY OTHERS, FOR REFERENCE ONLY)
	MONUMENT SIGNS (CONSTRUCTION DETAILS BY OTHERS)
	SIGN
	HEAVY-DUTY CONCRETE PAVEMENT
	CONCRETE SIDEWALK
	HEAVY-DUTY ASPHALT PAVEMENT
	STANDARD-DUTY ASPHALT PAVEMENT
	COLORLED AND STAMPED CONCRETE
	PROPOSED 18" REJECT CURB & GUTTER (AS SHOWN ON SITE PLAN)
	PROPOSED 18" STANDARD CURB & GUTTER (AS SHOWN ON SITE PLAN)
	PROPOSED ACCESSIBLE PAVEMENT MARKING VAN ACCESSIBLE STALL
	PROPOSED TYPE 3 CURB RAMP (SEE DETAIL SHEET, NOTE LINEWORK ON PLAN IS SYMBOLIC ONLY.)
	PROPOSED TYPE 3A CURB RAMP (SEE DETAIL SHEET, NOTE LINEWORK ON PLAN IS SYMBOLIC ONLY.)
	PROPOSED TYPE 4 CURB RAMP (SEE DETAIL SHEET, NOTE LINEWORK ON PLAN IS SYMBOLIC ONLY.)
	PROPOSED TYPE 4A CURB RAMP (SEE DETAIL SHEET, NOTE LINEWORK ON PLAN IS SYMBOLIC ONLY.)
	PROPOSED TYPE 7 CURB RAMP (SEE DETAIL SHEET, NOTE LINEWORK ON PLAN IS SYMBOLIC ONLY.)
	DOOR
	STRUCTURAL RETAINING WALL - (DESIGNED BY OTHERS)
	PROPOSED 0.5-FOOT GRADE CONTOUR (ONLY USED WHEN CRITICAL)
	PROPOSED 1-FOOT GRADE CONTOUR
	PROPOSED 5-FOOT GRADE CONTOUR
	PROPOSED SPOT GRADE
	PROPOSED TOP OF CURB
	PROPOSED FINISHED SURFACE GRADE ADJACENT TO TOP OF WALL
	PROPOSED FINISHED SURFACE GRADE ADJACENT TO BASE OF WALL
	PROPOSED EROSION CONTROL BALE
	PROPOSED TEMPORARY DIVERSION SWALE & BERM
	PROPOSED LEVEL SPREADER
	PROPOSED STONE TRACKING MAT
	PROPOSED PERMANENT TURF REINFORCEMENT MAT
	EROSION CONTROL BLANKET
	PROPOSED RIPRAP
	PROPOSED GAS LINE
	PROPOSED ELECTRIC LINE
	PROPOSED TELEPHONE LINE
	PROPOSED WATER MAIN
	PROPOSED STORM SEWER
	PROPOSED SANITARY SEWER
	PROPOSED FIRE DEPARTMENT CONNECTION
	PROPOSED WATER VALVE
	PROPOSED FIRE HYDRANT
	PROPOSED INLET / CB
	PROPOSED STORM MANHOLE
	PROPOSED AREA DRAIN
	PROPOSED SANITARY MANHOLE

## LEGEND

	( ) INDICATES RECORDED DIMENSION WHERE DIFFERENT FROM ACTUAL MEASUREMENT
	OR 90° SECTION OR 1/4 SECTION CORNER AS DESCRIBED
	1" DIA. IRON PIPE FOUND (UNLESS OTHERWISE NOTED)
	1" DIA. IRON PIPE, 18" LONG-SET (UNLESS OTHERWISE NOTED)
	BOLLARD
	SOIL BORING/MONITORING WELL
	FLAGPOLE
	MAILBOX
	SIGN
	BILLBOARD
	AIR CONDITIONER
	CONTROL BOX
	TRAFFIC SIGNAL
	RAILROAD CROSSING SIGNAL
	CABLE PEDESTAL
	POWER POLE
	GUY WIRE
	LIGHT POLE
	SPOT/YARD/PEDESTAL LIGHT
	HANDICAPPED PARKING
	ELECTRIC MANHOLE
	ELECTRIC METER
	ELECTRIC TRANSFORMER
	TELEPHONE MANHOLE
	TELEPHONE PEDESTAL
	MARKED FIBER OPTIC
	GAS VALVE
	GAS METER
	GAS WARNING SIGN
	STORM MANHOLE
	ROUND INLET
	SQUARE INLET
	STORM SEWER END SECTION
	SANITARY MANHOLE
	SANITARY CLEANOUT OR SEPTIC VENT
	SANITARY INTERCEPTOR MANHOLE
	MISCELLANEOUS MANHOLE
	WATER VALVE
	HYDRANT
	WATER SERVICE CURB STOP
	WATER MANHOLE
	WELL
	WATER SURFACE
	WETLANDS FLAG
	MARSH
	CONIFEROUS TREE
	DECIDUOUS TREE
	SHRUB
	EDGE OF TREES
	SANITARY SEWER
	STORM SEWER
	WATERMAIN
	MARKED GAS MAIN
	MARKED ELECTRIC
	OVERHEAD WIRES
	BUREAU ELEC. SERV.
	MARKED TELEPHONE
	MARKED CABLE TV LINE
	MARKED FIBER OPTIC
	INDICATES EXISTING CONTOUR ELEVATION
	INDICATES EXISTING SPOT ELEVATION
	EXISTING PROPERTY LINE
	EXISTING EASEMENT LINE

## ENGINEER:

**R.A. SMITH**  
CONTACT: RYAN LANCOUR, P.E.  
16745 W BLUEMOUND RD, SUITE 200  
BROOKFIELD, WI 53005-5938  
PH.: 262/317-3259  
EMAIL: RYAN.LANCOUR@RASMITH.COM

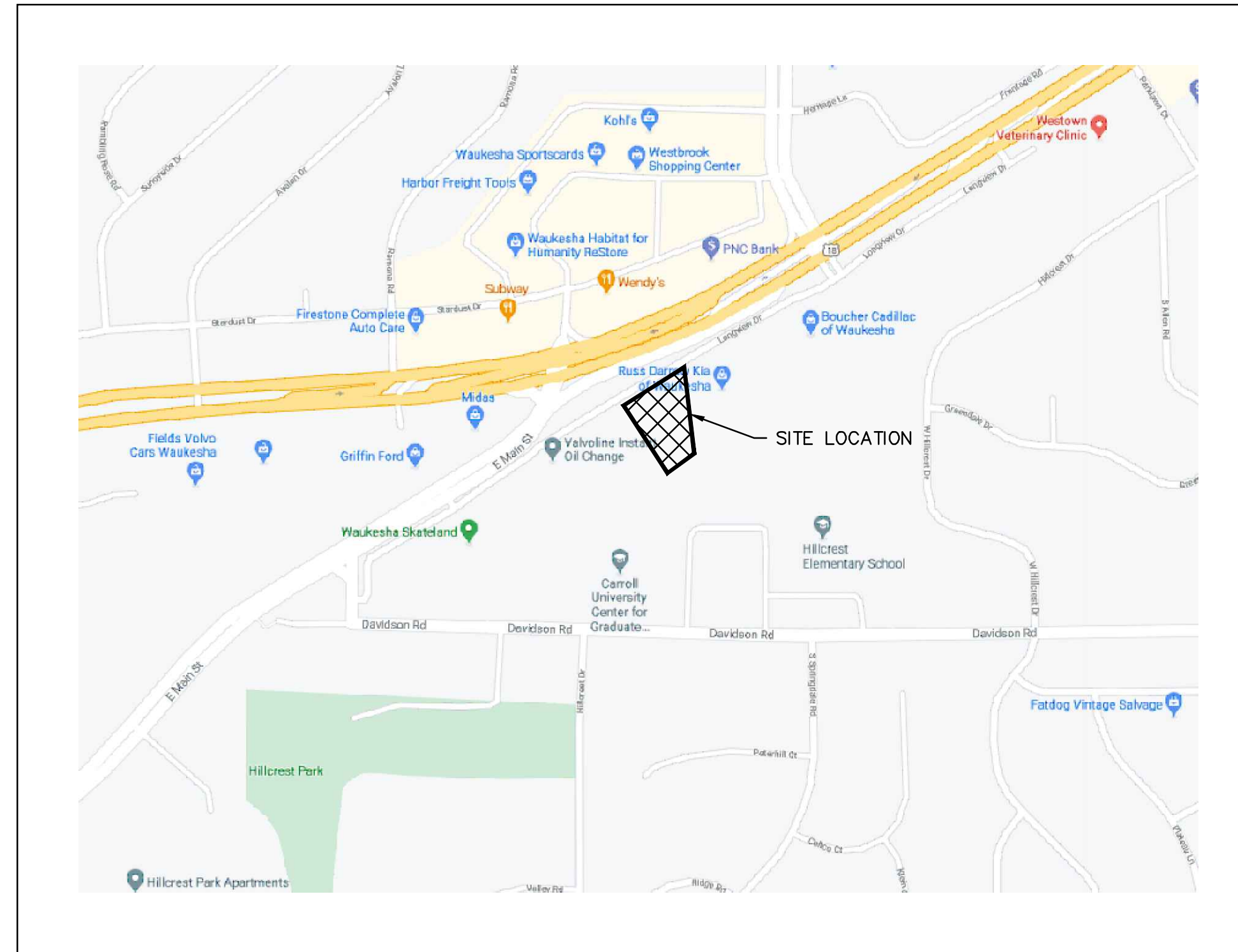
## MUNICIPALITY:

**CITY OF WAUKESHA**  
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING DIVISION  
CONTACT: DAVE BUECHL  
130 DELAFIELD STREET  
WAUKESHA, WI 53188  
PH.: 262/524-3600  
EMAIL: DBUECHL@WAUKESHA-WI.GOV

## OWNER:

**MORELAND BOULEVARD REAL ESTATE INVESTMENT II LLC**  
W133 N8569 EXECUTIVE PKWY  
MENOMONEE FALLS WI 53051

## VICINITY MAP SITE ADDRESS: 2137 E MORELAND BL



## BENCHMARK:

BENCHMARK #1  
NW BURY BOLT ON HYDRANT  
ELEVATION: 953.69

SEWRPC BENCHMARK #1  
CONC MON W/ BRASS CAP  
NE CORNER NE 1/4  
SEC. 36, T7N, R19E

SEWRPC BENCHMARK #2  
CONC MON W/ BRASS CAP  
SE CORNER NE 1/4  
SEC 36, T7N, R19E



Know what's below.  
Call before you dig.

R.A. SMITH, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS RESULTING FROM CHANGES OR ALTERATIONS MADE TO THIS PLAN WITHOUT THE EXPRESSED WRITTEN CONSENT OF R.A. SMITH, INC.

## GENERAL NOTES:

- THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE MUNICIPALITY FORTY- EIGHT (48) HOURS PRIOR TO THE START OF CONSTRUCTION.
  - 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.
  - SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
  - THE BIDDER WILL BE SOLELY RESPONSIBLE FOR DETERMINING QUANTITIES AND SHALL STATE SUCH QUANTITIES IN HIS PROPOSAL. HE SHALL BASE HIS BID ON HIS OWN ESTIMATE OF THE WORK REQUIRED AND SHALL NOT RELY ON THE ENGINEER'S ESTIMATE.
  - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
  - THE CONTRACTOR IS RESPONSIBLE FOR EXAMINING ALL SITE CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL COMPARE FIELD CONDITIONS WITH DRAWINGS.
  - THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR EXECUTION OF THE WORK. THE CONTRACTOR SHALL CONDUCT HIS WORK ACCORDING TO THE REQUIREMENTS OF THE PERMITS.
  - THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITY INFORMATION SHOWN ON THE PLANS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CALL DIGGERS HOTLINE TO NOTIFY THE UTILITIES OF HIS INTENTIONS, AND TO REQUEST FIELD STAKING OF EXISTING UTILITIES.
  - CONTRACTOR IS ADVISED THAT ALL MUD AND DEBRIS MUST NOT BE DEPOSITED ONTO THE ADJACENT ROADWAYS PER THE REQUIREMENT OF THE MUNICIPALITY OR OTHER APPROPRIATE GOVERNMENT AGENCIES.
  - ELEVATIONS REFER TO THE CITY OF WAUKESHA DATUM.
  - TOPOGRAPHIC AND EXISTING CONDITIONS SHOWN HEREON TAKEN FROM A PLAN ENTITLED "CERTIFIED SURVEY MAP" PREPARED BY CHAPUT LAND SURVEYS, DATED MARCH 24, 2020.
  - PRIOR TO CONSTRUCTION IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE BENCHMARKS ILLUSTRATED HAVE NOT BEEN DISTURBED AND THEIR ELEVATIONS HAVE BEEN CONFIRMED. ANY CONFLICTS MUST BE REPORTED PRIOR TO CONSTRUCTION.
- ALL SITE IMPROVEMENTS AND CONSTRUCTION SHOWN ON THE PLANS SHALL CONFORM TO THE CITY OF WAUKESHA DEVELOPMENT HANDBOOK & INFRASTRUCTURE SPECIFICATIONS, WHERE THE PLANS DO NOT COMPLY, IT SHALL BE THE SOLE RESPONSIBILITY AND EXPENSE OF THE DEVELOPER TO MAKE REVISIONS TO THE PLANS AND/OR CONSTRUCTED INFRASTRUCTURE TO COMPLY.

PLAN DATE: 05/18/2021

REVISIONS	ISSUE DATE	SHEET NO.'S	ISSUED FOR:

## PLAN INDEX

SHEET NO.	DESCRIPTION
C000	TITLE SHEET
C001	EXISTING CONDITIONS, DEMOLITION & EROSION CONTROL PLAN
C100	SITE & GRADING PLAN
C200	DETAILS
C201	SPECIFICATIONS
L100	TREE INVENTORY
L200	LANDSCAPE PLAN

DESCRIPTION

DATE

16745 W. Bluemound Road  
Brookfield, WI 53005-5938  
(262) 781-1000  
rasmith.com

**raSmith**  
CREATIVITY BEYOND ENGINEERING

KIA WAUKESHA EXPANSION  
CITY OF WAUKESHA, WI

TITLE SHEET



05/18/2021

© COPYRIGHT 2021  
R.A. Smith, Inc.

DATE: 05/18/2021

SCALE: N.T.S.

JOB NO. 3200102

PROJECT MANAGER:  
RYAN J. LANCOUR, P.E.

DESIGNED BY: JJJ

CHECKED BY: RJL

SHEET NUMBER

C000

Brookfield, WI | Milwaukee, WI | Appleton, WI | Madison, WI  
Cedarburg, WI | Naperville, IL | Irvine, CA

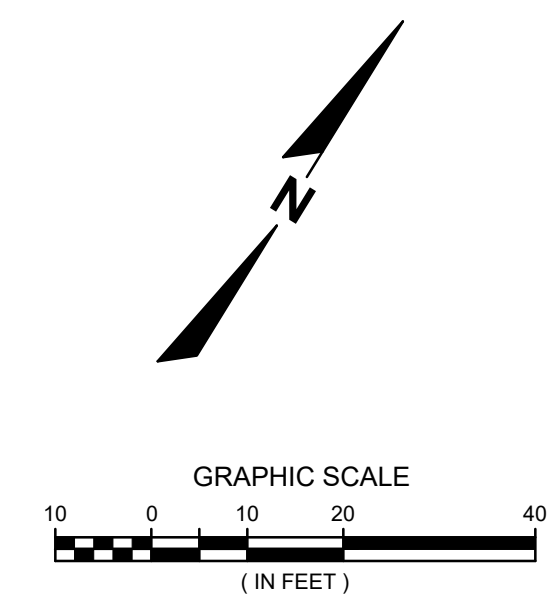


U.S.H. "164"  
S.T.H. "18"  
E. MORELAND BLVD.  
E. MAIN ST.

SITE BENCHMARK: 953.69'  
NW BURY BOLT ON HYDRANT

N61°00'22"E 145.00'

VARYING PUBLIC RIGHTS (MEAS.)  
N58°46'09"E 178.00'



**PROPOSED FEATURES**

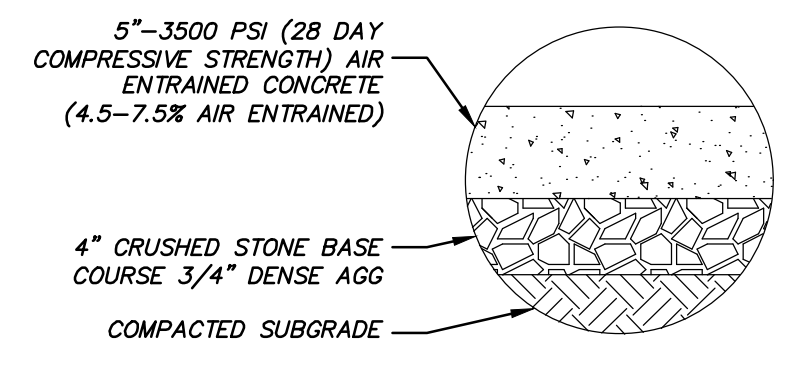
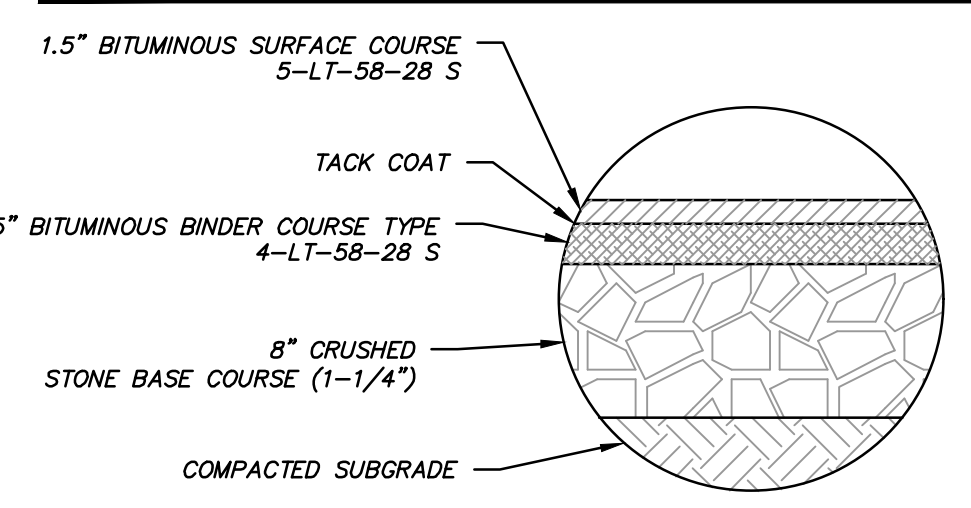
- PROPOSED SITE LIGHTING
- ▬ PROPOSED 18" REJECT CURB & GUTTER (AS SHOWN ON SITE PLAN)
- ▨ SIDEWALK CONCRETE PAVEMENT
- ▩ ASPHALT SEAL COAT
- ▭ STANDARD DUTY ASPHALT
- ▤ PAVEMENT MARKING - ISLANDS, CROSSWALKS, ETC (PARKING LOT) (4" YELLOW)

**GRADING**

- 870 CONTOUR LABELS
- 870 PROPOSED CONTOUR LABELS
- ▬ EXISTING MAJOR CONTOUR
- ▬ PROPOSED MAJOR CONTOUR
- ▬ EXISTING MINOR CONTOUR
- ▬ PROPOSED MINOR CONTOUR
- 870.70 PROPOSED SPOT LOT CORNER
- 870.70 X PROPOSED SPOT GRADE

**SITE DATA**

TOTAL SITE AREA	76,991 SF (1.77 AC)
TOTAL IMPERVIOUS AREA	68,579 SF (1.58 AC)
TOTAL PERVIOUS AREA	8,412 SF (0.19 AC)
TOTAL BUILDING AREA	0 SF (0.00 AC)
TOTAL GREEN SPACE	10.9%
TOTAL DISTURBANCE AREA	14,210 SF (0.33 AC)
EXISTING PARKING	123
VEHICLE DISPLAY PARKING STALLS	179
EMPLOYEE PARKING STALLS	10



**NOTES:**  
1. CONSTRUCTION MATERIALS AND PROCEDURES SHOULD BE IN ACCORDANCE WITH SECTION 305 AND 413 OF THE MISSOURI STANDARD SPECIFICATIONS.  
**CONCRETE SIDEWALK PAVEMENT SECTION**

**BITUMINOUS PAVEMENT**

**GENERAL NOTES:**

ANY PAVEMENT REMOVAL DUE TO INLETS REPAIRS, UTILITIES ABANDONMENT/REMOVAL, TRENCHING FOR NEW ELECTRICAL, ETC. SHALL BE FULL DEPTH REPLACEMENT REPLACED.



Know what's below.  
Call before you dig.

R.A. SMITH, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS RESULTING FROM CHANGES OR ALTERATIONS MADE TO THIS PLAN WITHOUT THE EXPRESSED WRITTEN CONSENT OF R.A. SMITH, INC.

DATE	DESCRIPTION

16745 W. Bluemound Road  
Brookfield, WI 53005-5938  
(262) 781-1000  
rasmith.com

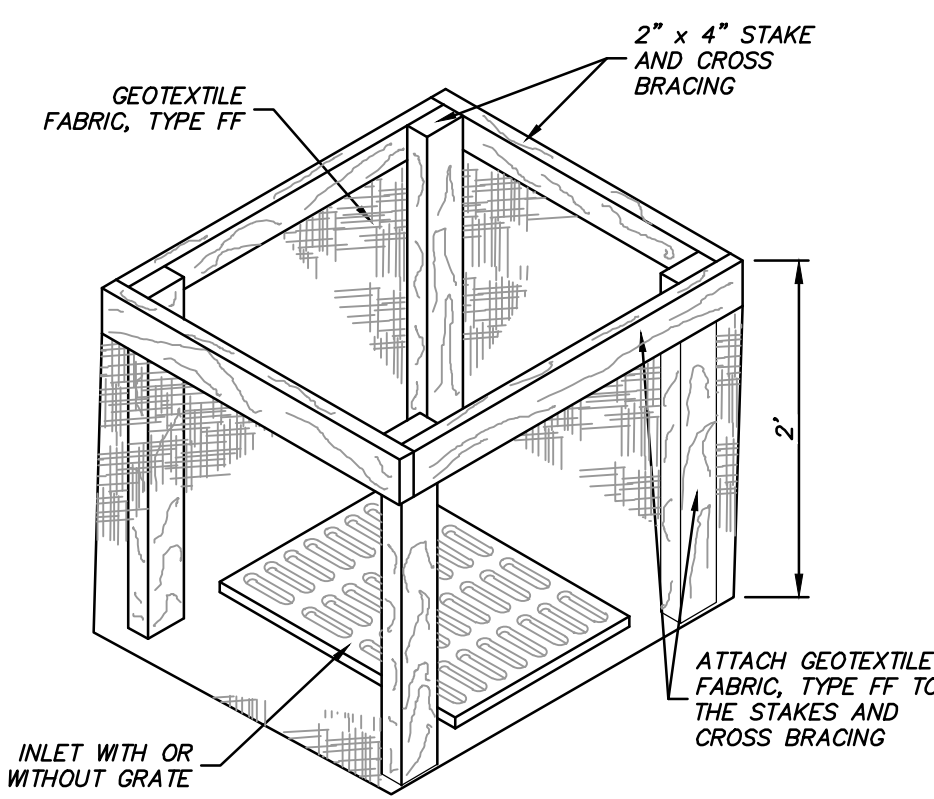
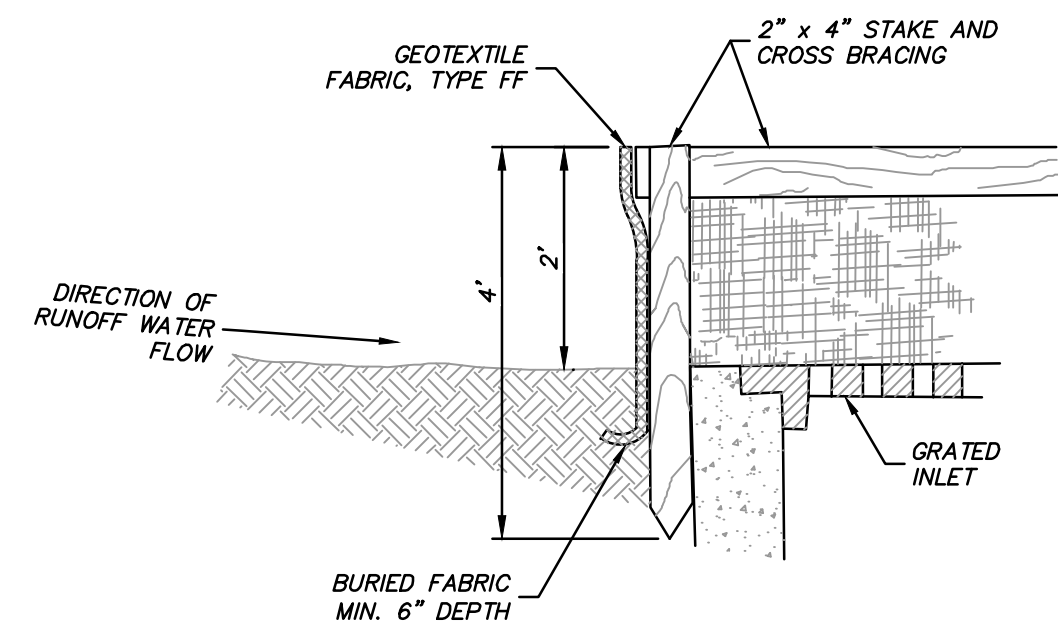


CREATIVITY BEYOND ENGINEERING  
Brookfield, WI | Milwaukee, WI | Appleton, WI | Madison, WI  
Cedarburg, WI | Naperville, IL | Irvine, CA

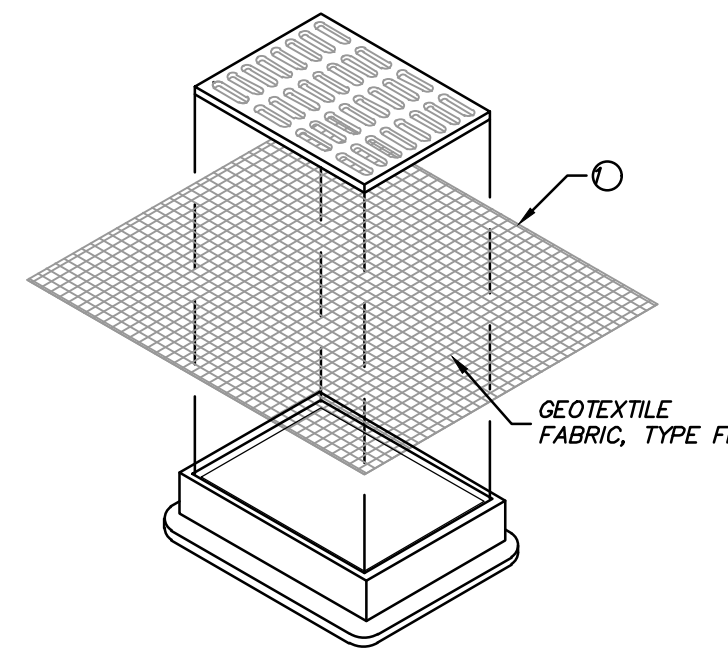
**KIA WAUKESHA EXPANSION  
CITY OF WAUKESHA, WI**

**SITE & GRADING PLAN**

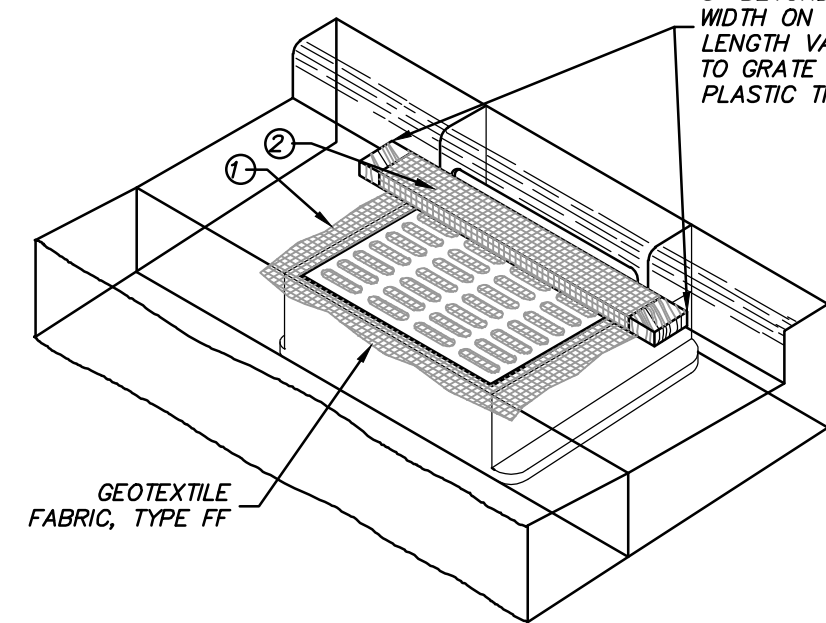
© COPYRIGHT 2021 R.A. Smith, Inc.
DATE: 05/18/2021
SCALE: 1" = 20'
JOB NO. 3200102
PROJECT MANAGER: RYAN J. LANCOUR, P.E.
DESIGNED BY: JJJ
CHECKED BY: RJL
<b>SHEET NUMBER</b>
C100



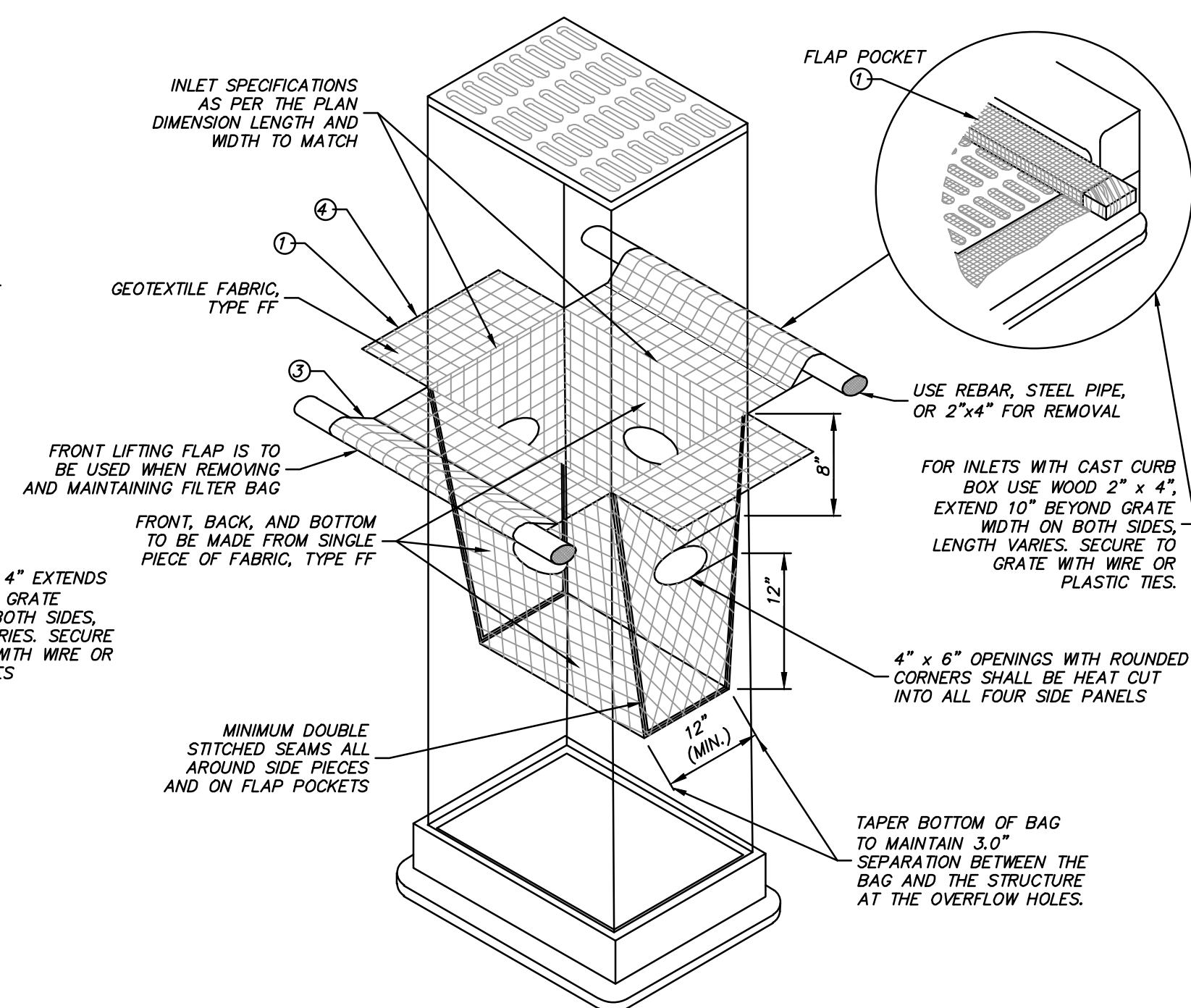
**INLET PROTECTION TYPE A**



**INLET PROTECTION TYPE B**  
(WITHOUT CURB BOX)  
(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



**INLET PROTECTION TYPE C**  
(WITH CURB BOX)



**INLET PROTECTION TYPE D**  
(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX AS PER NOTE 2)

- 1 FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- 2 FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- 3 FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2x4. THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.
- 4 SIDE FLAPS SHALL BE A MAXIMUM OF 2' LONG. FOLD THE FABRIC OVER AND REINFORCE WITH MULTIPLE STITCHES.

**GENERAL NOTES:**

INLET PROTECTION DEVICES SHALL CONFORM TO WDNR CONSERVATION PRACTICE STANDARD 1060 AND BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE WISDOT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED IF ALLOWED BY ENGINEER.

TYPE A IS TO BE USED PRIOR TO PAVING AND INSTALLATION OF CURB AND GUTTER, AND TYPES B, C, AND D ARE TO BE USED AFTER PAVING IS PLACED.

TYPE A SHALL BE USED AROUND INLETS AND UNPAVED AREAS UNTIL PERMANENT STABILIZATION METHODS HAVE BEEN ESTABLISHED.

TYPE B SHALL BE USED AFTER THE CASTING AND GRATE ARE IN PLACE, ON INLETS WITHOUT A CURB BOX WHEN TYPE D INLET DEVICES CANNOT BE USED.

TYPE C SHALL BE USED AFTER THE CASTING AND GRATE ARE IN PLACE, ON STREET INLETS WITH CURB HEADS.

TYPE D SHALL BE USED IN AREAS WHERE OTHER TYPES OF INLET PROTECTION ARE INCOMPATIBLE WITH ROADWAY AND TRAFFIC CONDITIONS (I.E. POSSIBLE SAFETY HAZARD IF PONDING OCCURS), OR WHERE MORE EFFECTIVE INLET FILTERING IS NEEDED.

TAPER BOTTOM OF BAG TO MAINTAIN 3" OF CLEARANCE BETWEEN THE BAG AND THE STRUCTURE, MEASURED FROM THE BOTTOM OF THE OVERFLOW OPENINGS TO THE STRUCTURE WALL.

GEOTEXTILE FABRIC TYPE FF FOR FLAPS, TOP AND BOTTOM OF OUTSIDE OF FILTER BAG. FRONT, BACK, AND BOTTOM OF FILTER BAG BEING ONE PIECE.

**INSTALLATION NOTES:**

TYPE B & C:  
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

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.

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", 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.

**STORM DRAIN INLET PROTECTION**  
(NOT TO SCALE)

**MAINTENANCE:**

REMOVE INLET PROTECTION DEVICES ONCE THE CONTRIBUTING DRAINAGE AREA IS STABILIZED WITH APPROPRIATE VEGETATION OR IMPERVIOUS SURFACE.

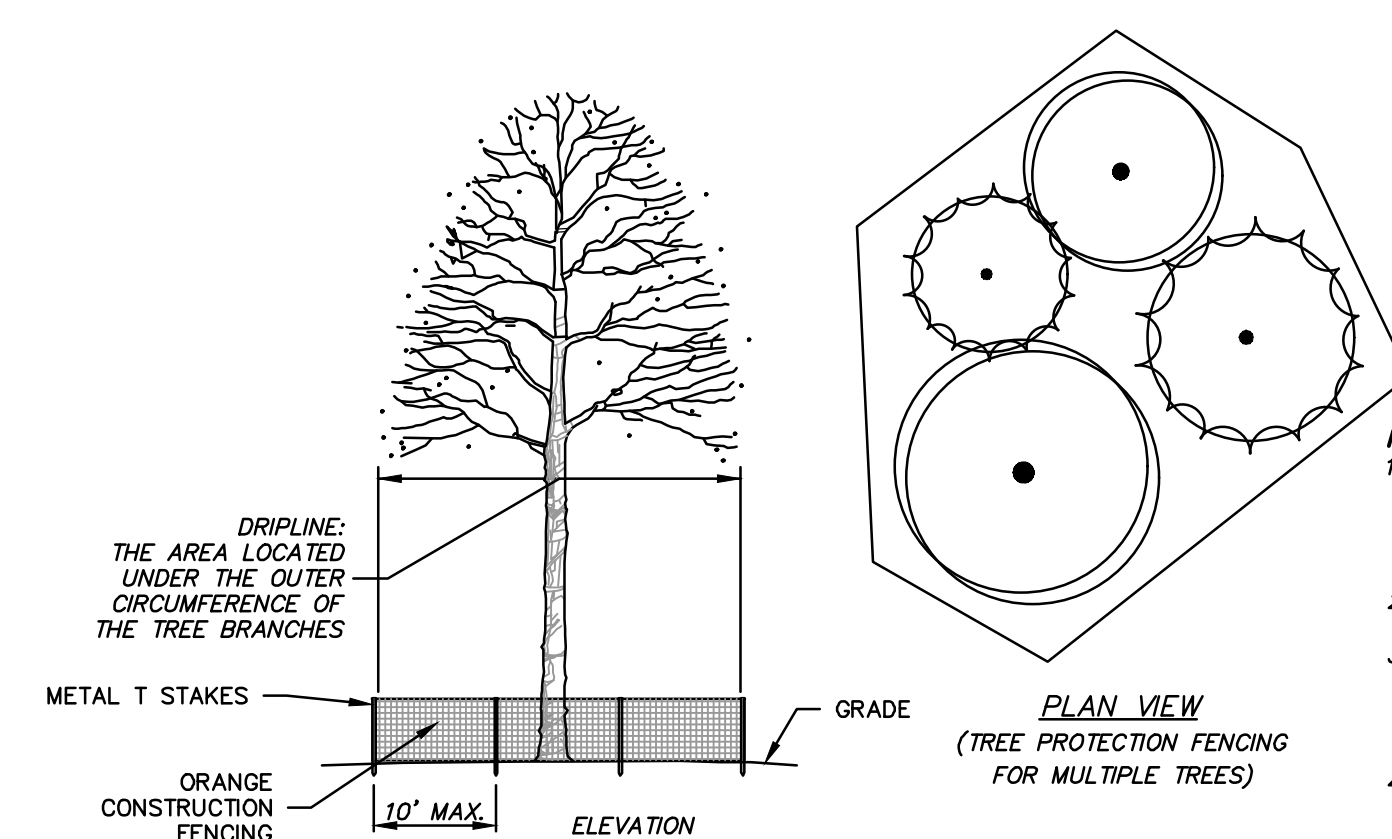
INLET PROTECTION SHALL BE, AT A MINIMUM, INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24-HOUR PERIOD.

FOR TYPE A, B OR 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.

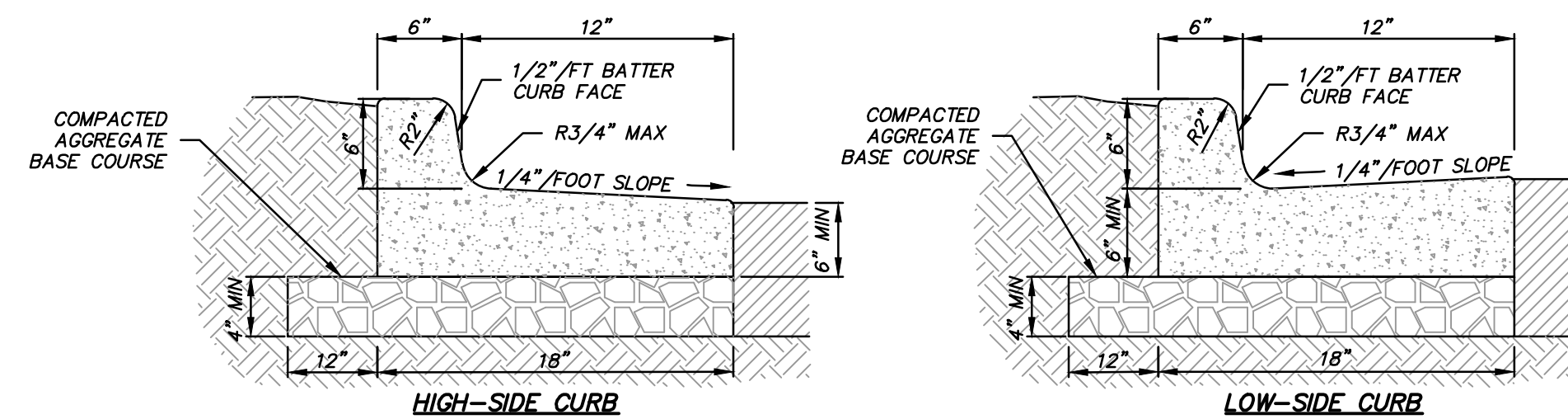
FOR TYPE D INLET PROTECTION (INCLUDING D-M AND D-HR), REMOVE SEDIMENT WHEN SEDIMENT ACCUMULATES TO WITHIN 6" OF THE BOTTOM OF THE OVERFLOW HOLES, OR WHEN STANDING WATER REMAINS WITHIN 6" OF THE BOTTOM OF THE OVERFLOW HOLES 24 HOURS AFTER A RUNOFF EVENT. HOLES IN THE TYPE FF FABRIC MAY BE REPAIRED BY STITCHING IF LESS THAN 2" IN LENGTH, BUT THE FABRIC SHOULD BE REPLACED IF THE HOLES ARE GREATER THAN 2" IN LENGTH IN THE TYPE FF FABRIC OR IF THERE ARE ANY HOLES IN THE TYPE HR FABRIC. THE FILTER MUST ALSO BE REPLACED IF THE FLAP POCKETS SUSTAIN DAMAGE THAT COMPROMISES FILTER INTEGRITY OR THE ABILITY TO PERFORM MAINTENANCE.

REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND STABILIZED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, DUE CARE SHALL BE TAKEN TO ENSURE SEDIMENT DOES NOT FALL INTO THE INLET AND IMPEDE THE INTENDED FUNCTION OF THE DEVICE. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.



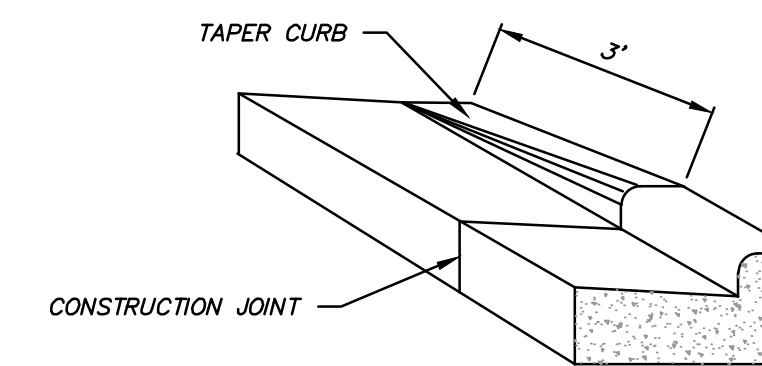
**TREE PROTECTION FENCING**  
(NOT TO SCALE)



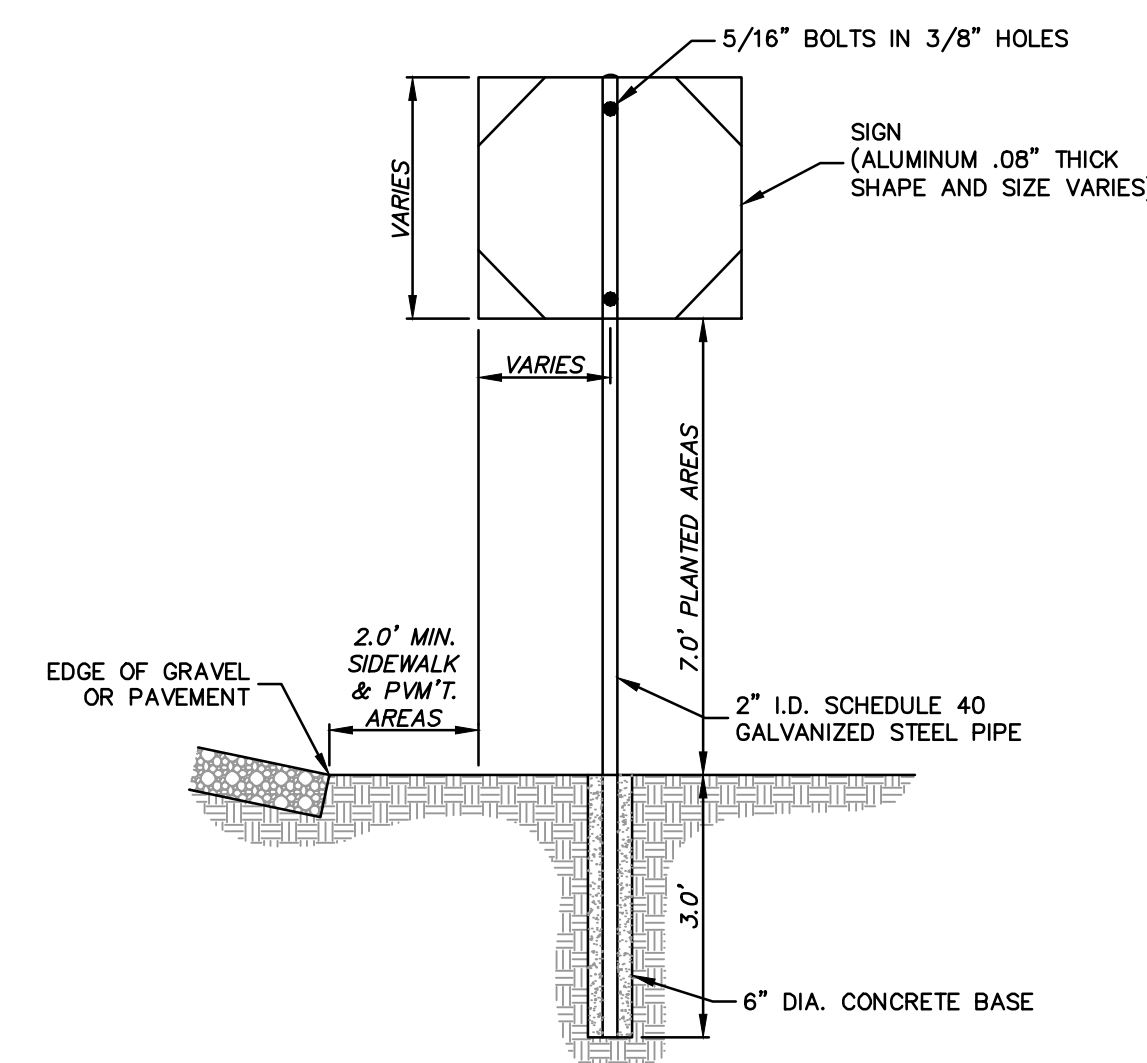
**NOTES:**

- A) 3500 PSI CONCRETE SHALL BE USED IN CONSTRUCTION OF THE CURB & GUTTER.
- B) THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE SLOPE OF THE GUTTER PAN.
- C) FOR DEPRESSED CURB HEAD SLOPE, USE THE SAME SLOPE AS ADJACENT SIDEWALK.
- D) THE BOTTOM OF THE CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDE MINIMUM 6" GUTTER THICKNESS MAINTAINED. TRANSVERSE CONTRACTION JOINTS SHALL BE CUT OR SAWED AT MAXIMUM 20 FOOT INTERVALS.
- E) 1/2" PREFORMED EXPANSION JOINT FILLER SHALL BE PLACED TRANSVERSELY IN THE CURB ABUTTING EXISTING CURB AND SIDEWALK, WALLS OR BUILDINGS, AND AT INTERVALS NOT TO EXCEED 300 FEET, WITH PREFERRED LOCATIONS BEING AT RADIUS POINTS OR ANGLE POINTS.

**CONCRETE CURB & GUTTER 18"**



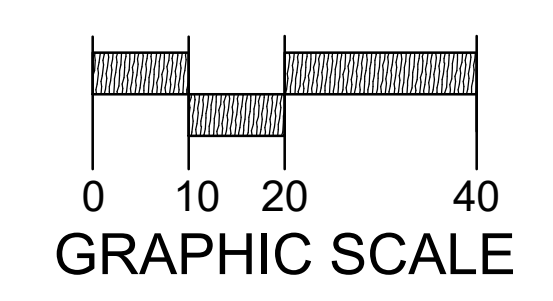
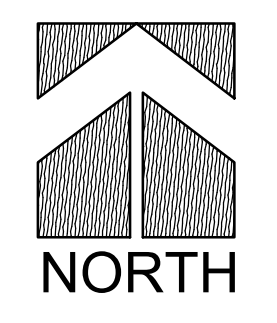
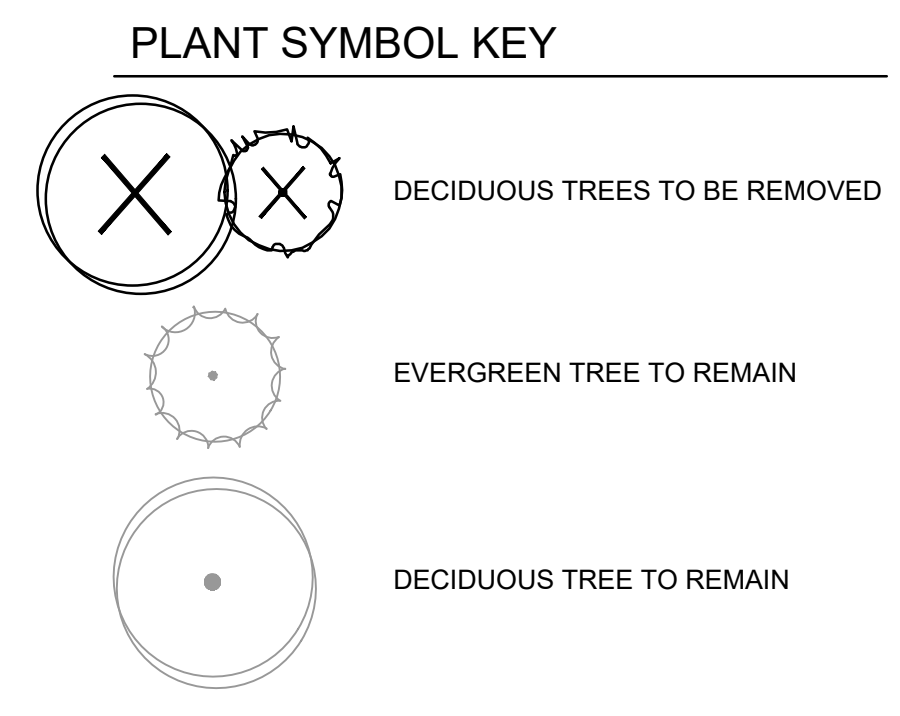
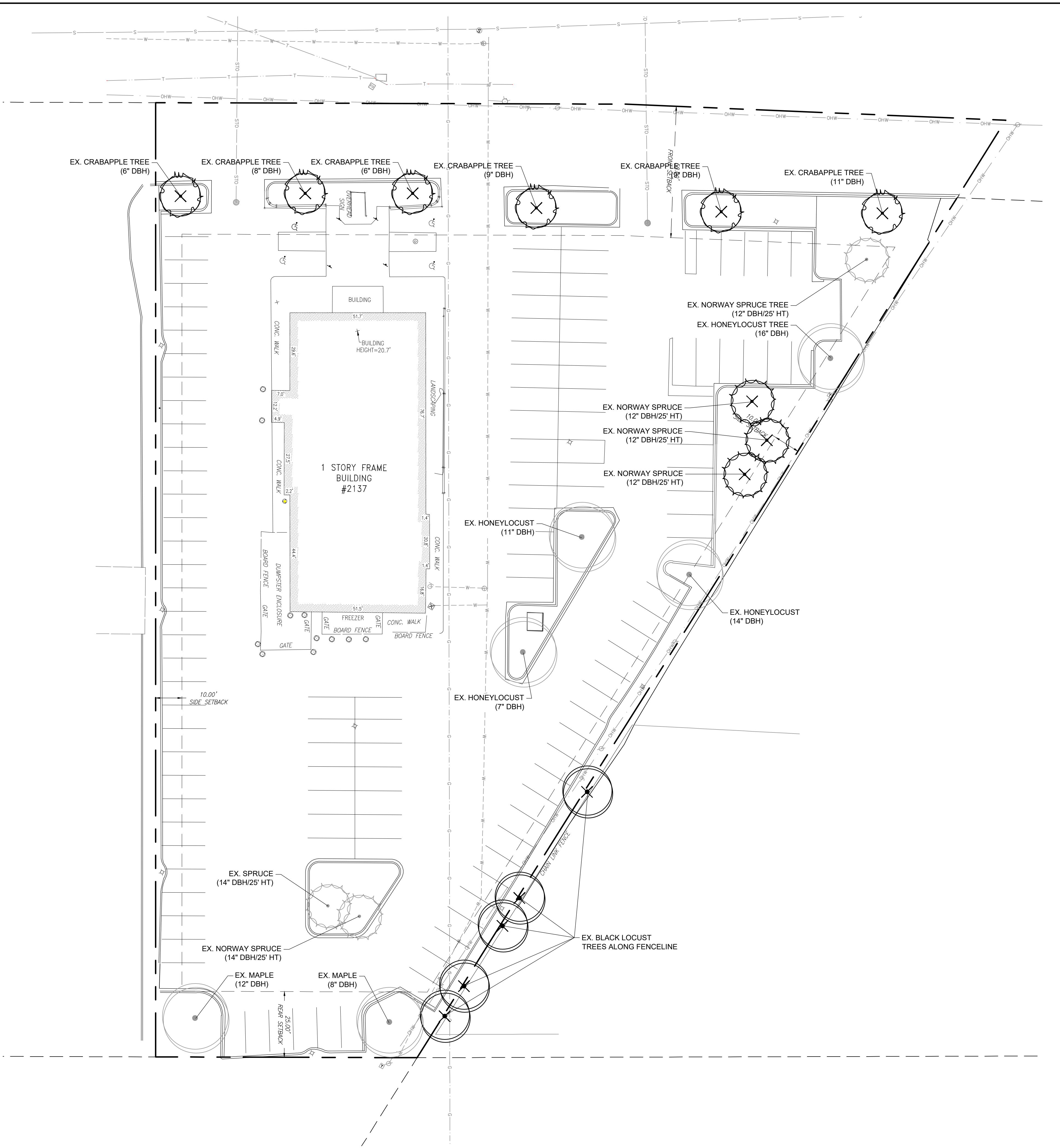
**CURB & GUTTER TERMINI**



**SIGN AND POST INSTALLATION**

DESCRIPTION	DATE
16745 W. Bluemound Road Brookfield, WI 53005-5938 (262) 781-1000 rasmith.com	
<b>raSmith</b> CREATIVITY BEYOND ENGINEERING	
Brookfield, WI   Milwaukee, WI   Appleton, WI   Madison, WI Cedarburg, WI   Naperville, IL   Irvine, CA	
<b>KIA WAUKESHA EXPANSION CITY OF WAUKESHA, WI</b>	<b>DETAILS</b>
© COPYRIGHT 2021 R.A. Smith, Inc.	
DATE: 05/18/2021	
SCALE: N.T.S.	
JOB NO. 3200102	
PROJECT MANAGER: RYAN J. LANCOUR, P.E.	
DESIGNED BY: JJJ	
CHECKED BY: RJL	
<b>SHEET NUMBER</b>	
C200	





Know what's below.  
Call before you dig.

THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THIS PLAN ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES.

R.A. SMITH, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS RESULTING FROM CHANGES OR ALTERATIONS MADE TO THIS PLAN WITHOUT THE EXPRESSED WRITTEN CONSENT OF R.A. SMITH, INC.

DATE	DESCRIPTION

16745 W. Bluemound Road  
Brookfield, WI 53005-5938  
(262) 781-1000  
rasmith.com

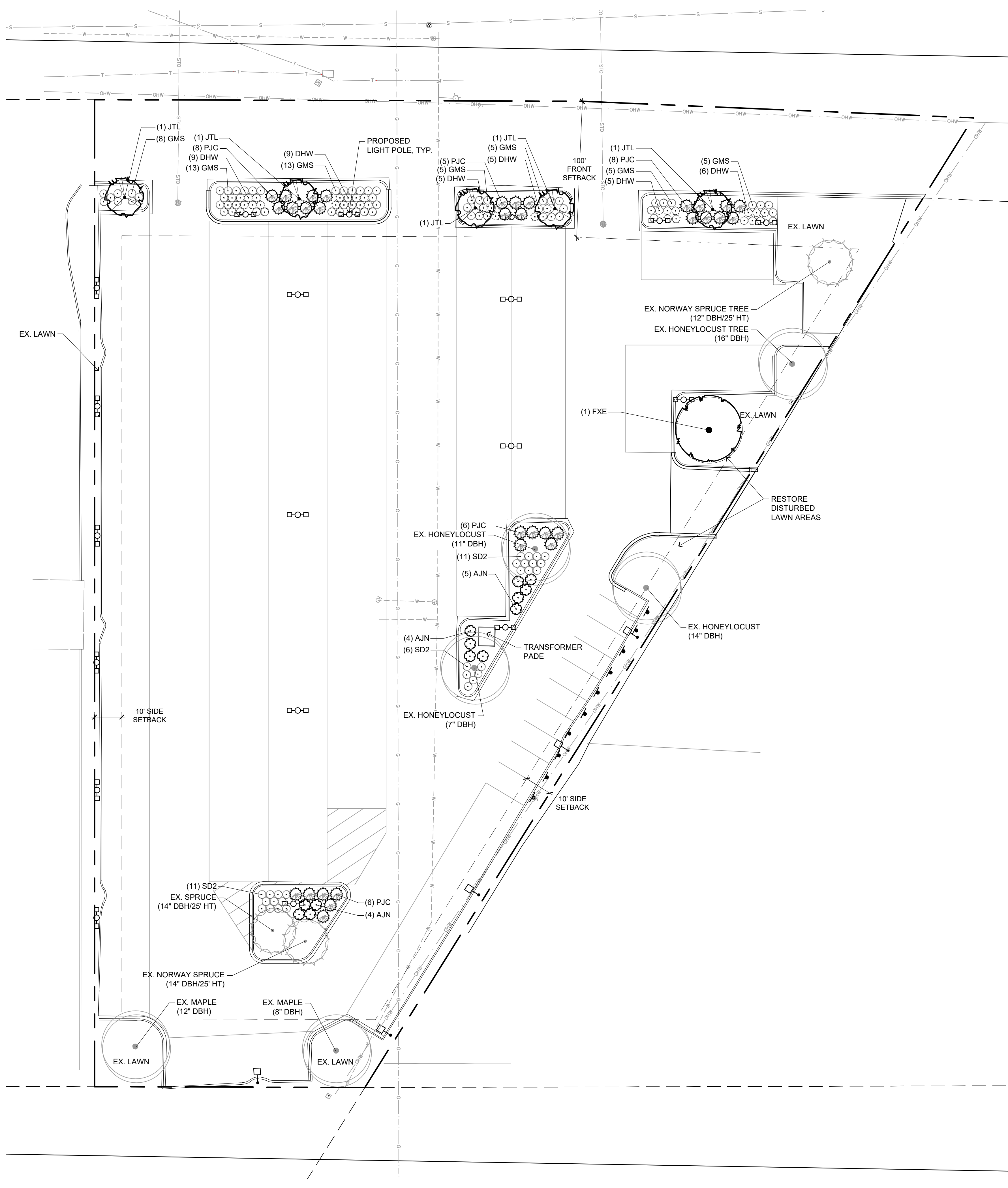
**raSmith**  
CREATIVITY BEYOND ENGINEERING

Brookfield, WI | Milwaukee, WI | Appleton, WI | Madison, WI  
Cedarburg, WI | Naperville, IL | Irvine, CA

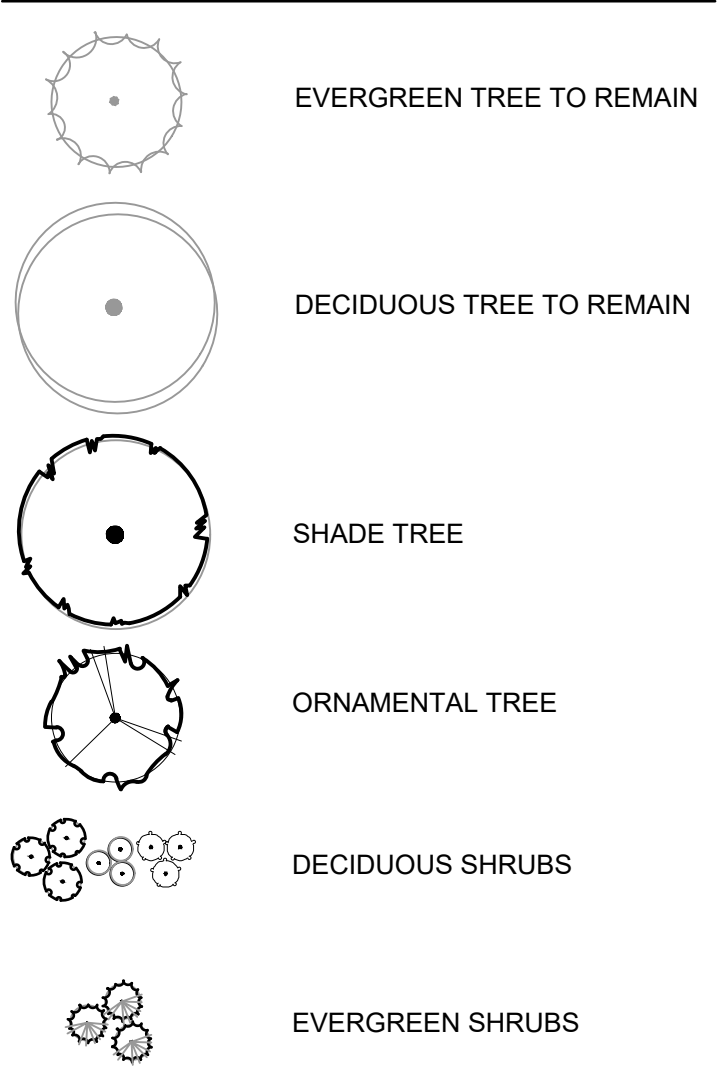
**KIA WAUKESHA EXPANSION**  
CITY OF WAUKESHA, WI

**TREE INVENTORY**

© COPYRIGHT 2021 R.A. Smith, Inc.
DATE: 05/18/2021
SCALE: 1" = 20'
JOB NO. 3200102
PROJECT MANAGER: RYAN J. LANCOUR, P.E.
DESIGNED BY: ALS
CHECKED BY: LJH
<b>SHEET NUMBER</b>
L100



**PLANT SYMBOL KEY**

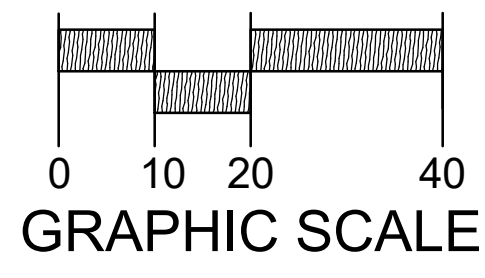
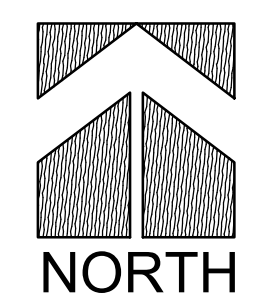


**PLANT SCHEDULE**

TREES	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	REMARKS
JTL	5	Ivory Silk Japanese Tree Lilac	Syringa reticulata 'Ivory Silk'	2' CAL	B&B	Full, matching heads
FXE	1	Frontier Elm	Ulmus x 'Frontier'	2 1/2' CAL	B&B	Full and evenly branched
DECIDUOUS SHRUBS	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	REMARKS
AJN	13	Amber Jubilee Nivebark	Physocarpus opulifolius 'JefFam'	24" HT	B&B	
GMS	54	Goldmound Spirea	Spiraea japonica 'Goldmound'	15" HT	CONT.	
SD2	28	Double Play Double Spirea	Spiraea x 'NCSX2' TM	15" HT	CONT.	
DHW	39	Dark Horse Weigela	Weigela florida 'Dark Horse'	15" HT	CONT.	
EVERGREEN SHRUBS	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	REMARKS
PJC	33	Kalley Compact Pfitzer Juniper	Juniperus chinensis 'Kalley Compact'	18" SPD	CONT.	

**GENERAL LANDSCAPE NOTES**

- Contractor responsible for contacting public and private underground utility locating service to have site marked prior to any digging or earthwork.
- Contractor to verify all plant quantities shown on plant list and verify with plan. Report any discrepancies immediately to general contractor.
- All plantings shall comply with standards as described in American Standard of Nursery Stock - ANSI Z60.1 (latest version). General contractor or owner's representative reserves the right to inspect and potentially reject any plants that are inferior, compromised, undersized, diseased, improperly transported, installed incorrectly or damaged.
- Any potential plant substitutions must be submitted in writing and approved by the general contractor or owner's representative prior to installation. All plants must be installed as per sizes shown on plant material schedule, unless approved by general contractor or owner's representative.
- All seeded areas and planting beds require topsoil to be placed within 3" of finish grade during rough grading operations. All parking lot islands require topsoil placed to a minimum depth of 18" to insure long term plant health. These requirements should be coordinated between the general contractor, grading contractor and landscape contractor.
- The landscape contractor to be responsible for placing a minimum depth of 3" of blended, prepared and non-compacted topsoil in all seeded areas. The fine grading of planting beds and parking lot islands may require additional topsoil to bring to finish grade. Finished landscaped areas to be smooth, uniform and provide positive drainage away from all structures and pavement.
- Tree planting (see planting detail):  
Plant all trees slightly higher than finished grade at root flare. Remove excess soil from top of root ball, if needed. Scarify side walls of tree pit prior to installation. Remove and discard non-biodegradable ball wrapping and support wire. Remove biodegradable burlap and wire cage (if applicable) from top one-third of rootball. Carefully bend remaining wire down to the bottom of hole once the tree has been placed into the hole and will no longer be moved. Score the remaining two-thirds of burlap and remove wire. Backfill pit with 80% existing soil removed from excavation and 20% plant starter mix blended prior to backfilling holes. Discard any gravel, heavy clay or stones. Avoid any air pockets and do not tamp soil down. When hole is two-thirds full, trees shall be watered thoroughly, and water left to soak in before proceeding.  
Provide a 3" deep, 4 ft. diameter shredded hardwood bark mulch ring around all lawn trees. Do not build up any mulch onto trunk of any tree. Trees that are installed incorrectly will be replaced at the time and expense of the landscape contractor. Stake trees according to the staking detail.
- Shrub planting: all shrubs to be pocket planted with a 50/50 mix of plant starter and topsoil. Install topsoil into all plant beds as needed to achieve proper grade and replace undesirable soil (see planting detail). Remove all excessive gravel, clay and stones from plant beds prior to planting. When hole is two-thirds full, shrubs shall be watered thoroughly and water left to soak in before proceeding.
- Mulching: all tree and shrub planting beds to receive a 3" deep layer of high quality shredded hardwood bark mulch (not environmental). All perennial planting areas to receive a 2" layer 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.
- Edging: edges all planting beds with a 4" deep spaded edge (shovel cut or mechanical). Bedlines are to be cut crisp, as per plan. A clean definition between lawn area and plant bed is required.
- Lawn installation for all seeded turfgrass areas: remove / kill off any existing unwanted vegetation prior to seeding. Prepare the topsoil and seed bed by removing all surface stones 1" or larger and grading lawn areas to finish grade. Apply a starter fertilizer and specified seed uniformly and provide mulch covering suitable to germinate and establish turf. Provide seed and fertilizer mix information to general contractor prior to installation. Erosion control measures are to be used in swales and on steep grades, where applicable. Methods of installation may vary at the discretion of the landscape contractor on his/her responsibility to establish and guarantee a smooth, uniform, quality turf. A minimum depth of 3" 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 damage. Marsh hay containing reed canary grass is not acceptable as a mulch covering.  
An acceptable quality turf is defined as having no more than 10% of the total area with bare spots larger than 1 square foot and uniform coverage throughout all turf areas.
- Seed mix for lawn areas - use only a premium quality seed mix installed at recommended rates. Premium blend seed mix (or equivalent): 50% blended bluegrass, 25% creeping red fescue, 25% perennial rye applied at 5 lbs per 1,000 SF. Provide seed specifications to general contractor prior to installation.
- Warranty and replacements: Trees, evergreens, and shrubs to be guaranteed (100% replacement) for a minimum of one (1) year from the date of substantial project completion. 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.
- The landscape contractor is responsible for the watering and maintenance of all landscape areas at time of planting and throughout construction until the substantial completion of the installation and acceptance by the owner. This includes all trees, shrubs, evergreens and turf grass. Work also includes weeding, edging, mulching (only if required), fertilizing, trimming, sweeping up grass clippings, pruning and deadheading.
- Project completion: upon substantial completion of the project, the landscape contractor is responsible to conduct a final review with the owner's representative and the general contractor to answer questions and insure that all specifications have been met. The landscape contractor is to provide watering and general ongoing maintenance instructions (in writing) for the new plantings and lawn to the owner and general contractor.



Know what's below.  
Call before you dig.

THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THIS PLAN ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES.

R.A. SMITH, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS RESULTING FROM CHANGES OR ALTERATIONS MADE TO THIS PLAN WITHOUT THE EXPRESSED WRITTEN CONSENT OF R.A. SMITH, INC.

DESCRIPTION	
DATE	
16745 W. Bluemound Road Brookfield, WI 53005-5938 (262) 781-1000 rasmith.com <b>raSmith</b> CREATIVITY BEYOND ENGINEERING	
Brookfield, WI   Milwaukee, WI   Appleton, WI   Madison, WI Cedarburg, WI   Naperville, IL   Irvine, CA	
<b>KIA WAUKESHA EXPANSION</b> <b>CITY OF WAUKESHA, WI</b> <b>LANDSCAPE PLAN</b>	
© COPYRIGHT 2021 R.A. Smith, Inc. DATE: 05/18/2021 SCALE: 1" = 20' JOB NO. 3200102 PROJECT MANAGER: RYAN J. LANCOUR, P.E. DESIGNED BY: ALS CHECKED BY: LJH <b>SHEET NUMBER</b> L200	