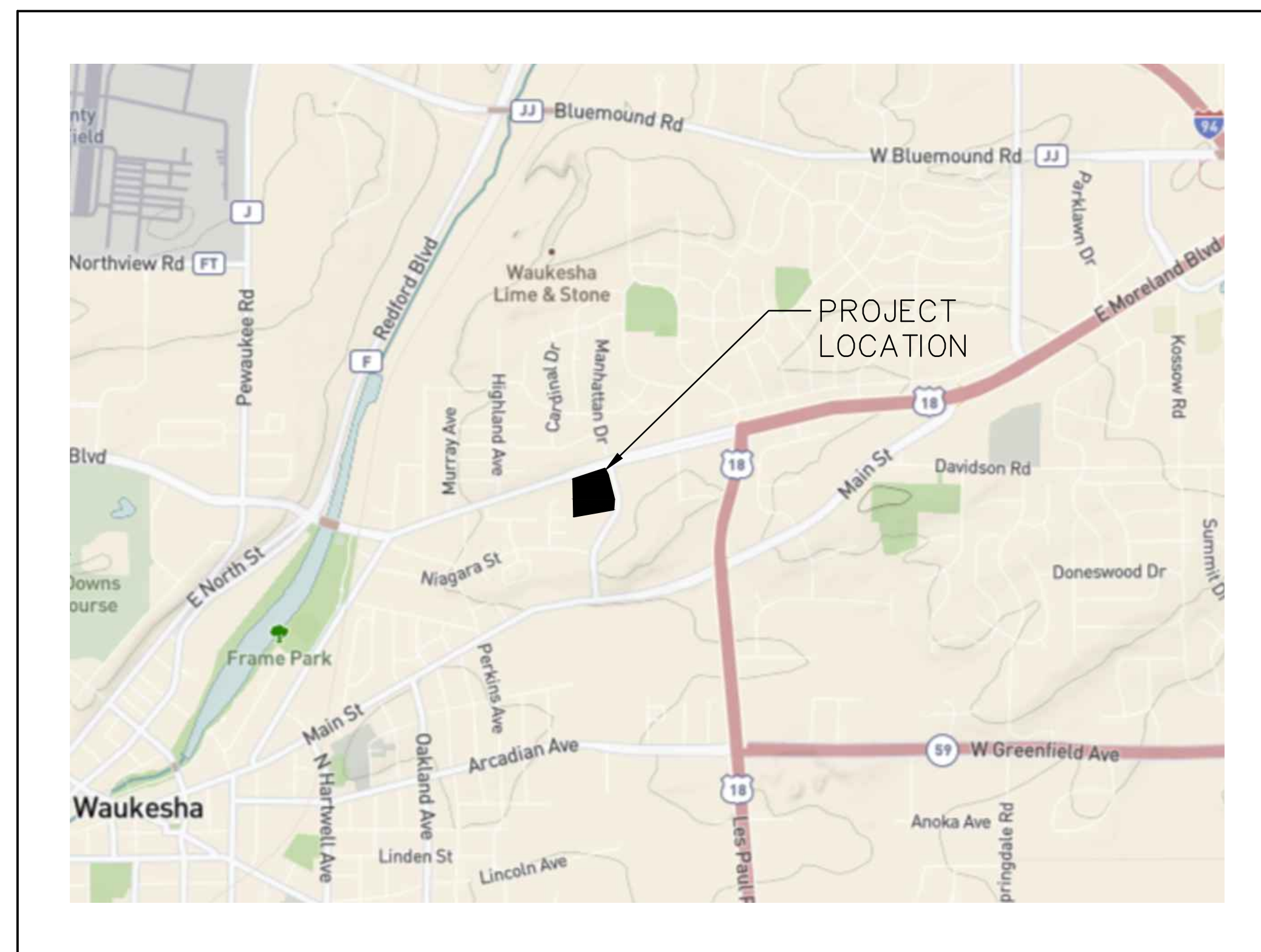


CONSTRUCTION PLANS FOR NISSAN WAUKESHA CITY OF WAUKESHA, WISCONSIN

VICINITY MAP



PLAN INDEX

SHEET NO.	DESCRIPTION
C000	COVER SHEET
1 OF 1	PLAT OF SURVEY
C100	EXISTING CONDITIONS, DEMOLITION & EROSION CONTROL PLAN
C200	OVERALL SITE PLAN
C201	DETAILED SITE PLAN
C202	FIRE TRUCK TEMPLATE PLAN
C300	GRADING PLAN
C400	UTILITY PLAN
C500	EROSION CONTROL DETAILS
C501	SITE DETAILS
C502	UTILITY DETAILS
C503	UNDERGROUND STORAGE DETAILS
C504	UNDERGROUND STORAGE DETAILS
C600	SPECIFICATIONS
L100	LANDSCAPE PLAN
L200	LANDSCAPE NOTES & DETAILS

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 INLET PROTECTION
	PROPOSED SILT FENCE
	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 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 POLE
	GUY WIRE
	LIGHT POLE
	SPOT/YARD/PEDESTAL LIGHT
	HANDICAPPED PARKING
	ELECTRIC MANHOLE
	ELECTRIC PEDESTAL
	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
	WATER MAIN
	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 AND LANDSCAPE ARCHITECT:

raSmith

CREATIVITY BEYOND ENGINEERING

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

RYAN J. LANCOUR, P.E. PROJECT MANAGER
PH: (262) 317-3259

PROPERTY OWNER:

BOUCHER HOLDINGS LLC
4141 S. 108TH STREET
GREENFIELD, WI 53228
PH: (414) 427-4141

DEVELOPER:

CHAD KEMNITZ, PRESIDENT
PROFESSIONAL CONSULTANTS, INC.
300 COTTONWOOD AVENUE, #7
HARTLAND, WI 53029
PH: (262) 367-6080

BENCHMARK 1:

CHISELED BOX ON LAMP POST
BASE. SE OF SITE
ELEVATION = 103.24'
VERTICAL DATUM: CITY OF
WAUKESHA DATUM

BENCHMARK 2:

"X" NW FLANGE BOLT ON
HYDRANT ON NORTHERNLY
ROW OF E MORELAND BLVD
ELEVATION = 100.53'
VERTICAL DATUM: CITY OF
WAUKESHA DATUM

SEWRPC BENCHMARK 1:

CONC MON W/ BRASS CAP IN
CONC CURB ON NORTH SIDE
EAST BOUND LANE OF USH 18
NW CORNER SW 1/4 OF SEC 36
ELEVATION = 876.98'
N: 378,689.51 USFT
E: 2,448,163.35 USFT

SEWRPC BENCHMARK 2:

CONC MON W/ BRASS CAP
SW CORNER SW 1/4 OF SEC 36
ELEVATION = 841.03'
N: 376,029.00 USFT
E: 2,448,203.06 USFT



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ADDRESS:

1451 E MORELAND BLVD
WAUKESHA, WI 53186

CITY OF WAUKESHA NOTE

ALL SITE IMPROVEMENTS AND CONSTRUCTION SHOWN ON 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: 5/30/2023

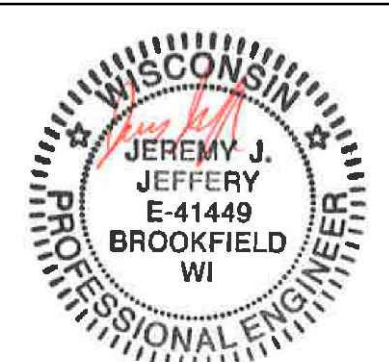
REVISIONS	ISSUE DATE	SHEET NO.'S	ISSUED FOR:

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

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NISSAN WAUKESHA
CITY OF WAUKESHA, WISCONSIN
COVER SHEET



5/30/2023

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R.A. Smith, Inc.

DATE: 5/30/2023

SCALE: NTS

JOB NO. 3220213

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

DESIGNED BY: CRR

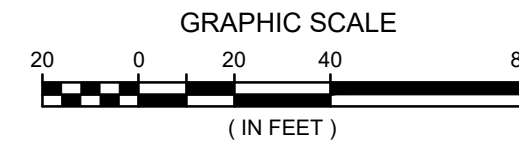
CHECKED BY: RJL

SHEET NUMBER

C000

PLAT OF SURVEY

W/ UTILITIES & TOPOGRAPHIC DATA



KNOWN AS: 141 E. MORELAND BOULEVARD, WAUKESHA, WISCONSIN

LOT 1 OF CERTIFIED SURVEY MAP NO. 11016, BEING PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 35, TOWNSHIP 7 NORTH, RANGE 19 EAST, IN THE CITY OF WAUKESHA, WAUKESHA COUNTY, WISCONSIN.

PREPARED FOR: PROFESSIONAL CONSULTANTS
SURVEY NO: 168965-KAC

NOTES:
HORIZONTAL DATUM: NAD83/2011

VERTICAL DATUM: CITY OF WAUKESHA DATUM, STARTING BENCHMARK - CHISELED BOX ON NORTH SIDE OF LAMP POST BASE, EAST SIDE OF MANHATTAN DRIVE, EL: 103.24'

I CERTIFY, that this survey was prepared under my supervision and is correct to the best of my professional knowledge and belief and complies with Chapter AE-7 of the Wisconsin Administrative Code.

Date: JANUARY 11, 2023



Eric R. Sturm

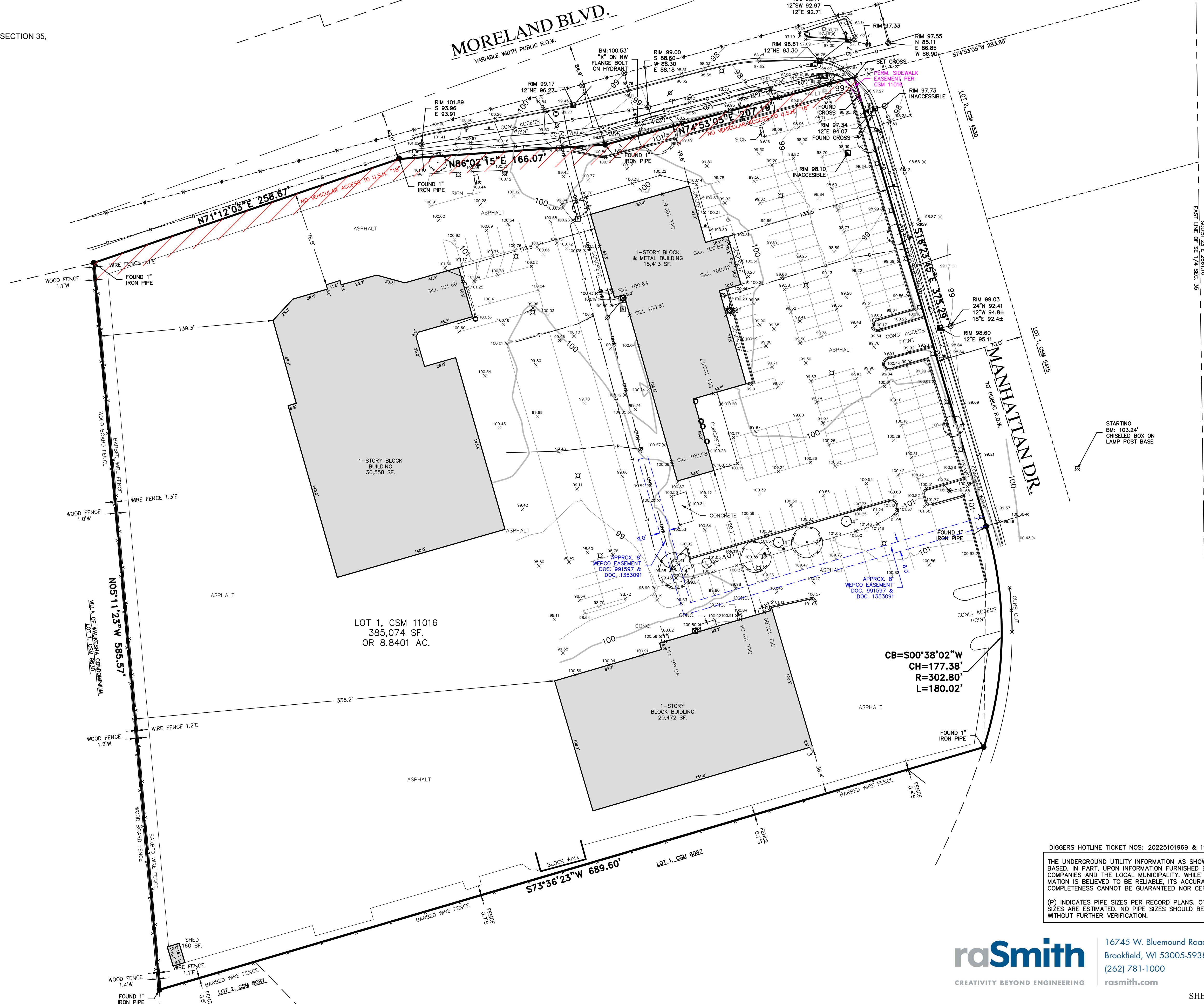
ERIC R. STURM
WISCONSIN PROFESSIONAL LAND SURVEYOR S-2309

LEGEND

- BOLLARD
- + SOIL BORING/MONITORING WELL
- ▴ FLAGPOLE
- ☐ MAILBOX
- SIGN
- AIR CONDITIONER
- CONTROL BOX
- ⊙ TRAFFIC SIGNAL
- ⊙ CABLE PEDISTAL
- ⊙ POWER POLE
- ⊙ GUY WIRE
- ⊙ GUY WIRE
- ⊙ LIGHT POLE
- ▶ SPOT/YARD/PEDESTAL LIGHT
- ⊙ HANDICAPPED PARKING
- ⊙ PULL BOX
- ⊙ ELECTRIC MANHOLE
- ⊙ ELECTRIC PEDESTAL
- ⊙ ELECTRIC METER
- ⊙ ELECTRIC TRANSFORMER
- ⊙ TELEPHONE MANHOLE
- ⊙ TELEPHONE PEDESTAL
- ⊙ UTILITY VAULT
- ⊙ 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
- ⊙ IRRIGATION CONTROL BOX
- ⊙ 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
- UTILITY PER PLAN
- INDICATES EXISTING CONTOUR ELEVATION
- INDICATES EXISTING SPOT ELEVATION

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LOT 1, CSM 11016
385,074 SF.
OR 8.8401 AC.

CB=S00°38'02"W
CH=177.38'
R=302.80'
L=180.02'

DIGGERS HOTLINE TICKET NOS: 20225101969 & 1970

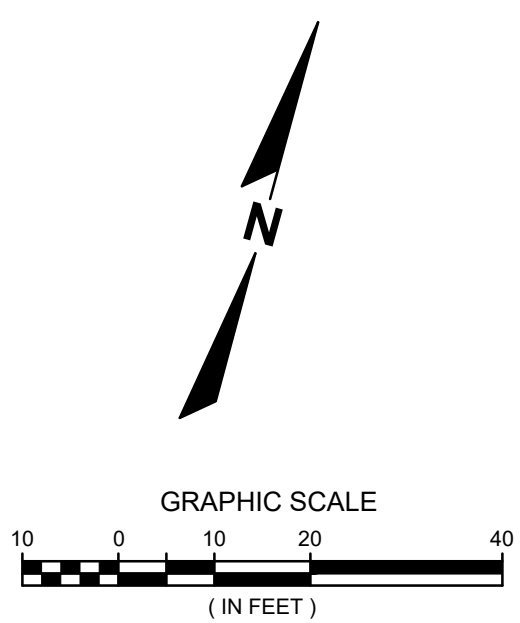
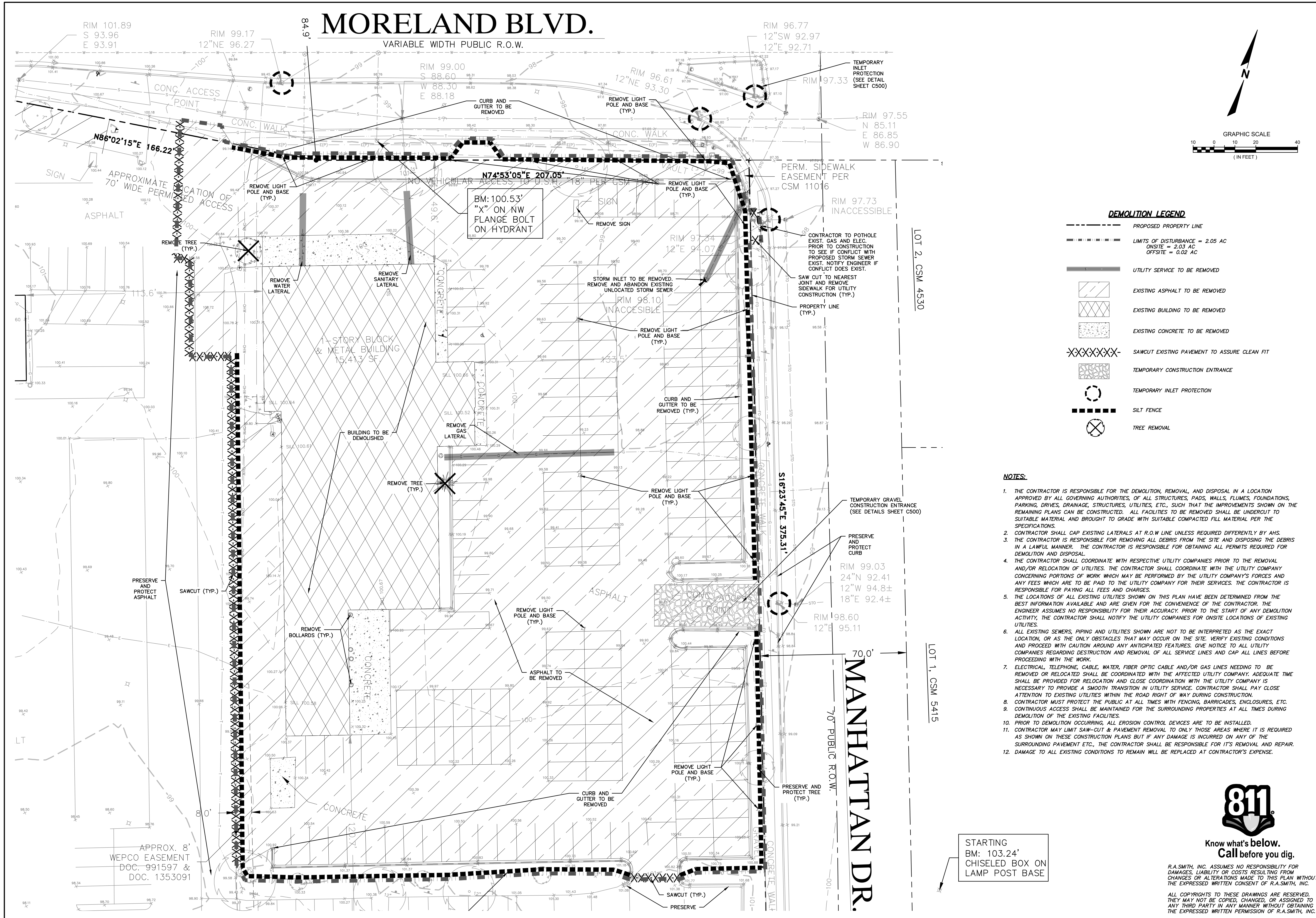
THE UNDERGROUND UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN PART, UPON INFORMATION FURNISHED BY UTILITY COMPANIES AND THE LOCAL MUNICIPALITY. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO.

(P) INDICATES PIPE SIZES PER RECORD PLANS. OTHER PIPE SIZES ARE ESTIMATED. NO PIPE SIZES SHOULD BE RELIED UPON WITHOUT FURTHER VERIFICATION.

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Brookfield, WI 53005-5938
(262) 781-1000
rasmith.com

MORELAND BLVD.

VARIABLE WIDTH PUBLIC R.O.W.



DEMOLITION LEGEND

- PROPOSED PROPERTY LINE
- LIMITS OF DISTURBANCE = 2.05 AC
ONSITE = 2.03 AC
OFFSITE = 0.02 AC
- UTILITY SERVICE TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED
- EXISTING BUILDING TO BE REMOVED
- EXISTING CONCRETE TO BE REMOVED
- SAWCUT EXISTING PAVEMENT TO ASSURE CLEAN FIT
- TEMPORARY CONSTRUCTION ENTRANCE
- TEMPORARY INLET PROTECTION
- SILT FENCE
- TREE REMOVAL

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES, OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE, STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
2. CONTRACTOR SHALL CAP EXISTING LATERALS AT R.O.W LINE UNLESS REQUIRED DIFFERENTLY BY AHS.
3. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
4. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
5. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATIONS OF EXISTING UTILITIES.
6. ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK.
7. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN THE ROAD RIGHT OF WAY DURING CONSTRUCTION.
8. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.
9. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.
10. CONTRACTOR MAY LIMIT SAW-CUT & PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT ETC., THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
11. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.

DATE	DESCRIPTION

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

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CREATIVITY BEYOND ENGINEERING

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

NISSAN WAUKESHA
CITY OF WAUKESHA, WISCONSIN
EXISTING CONDITIONS, DEMOLITION & EROSION CONTROL PLAN

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DATE: 5/30/2023
SCALE: 1" = 20'
JOB NO. 3220213
PROJECT MANAGER: RYAN J. LANCOUR, P.E.
DESIGNED BY: CRR
CHECKED BY: RJL
SHEET NUMBER
C100

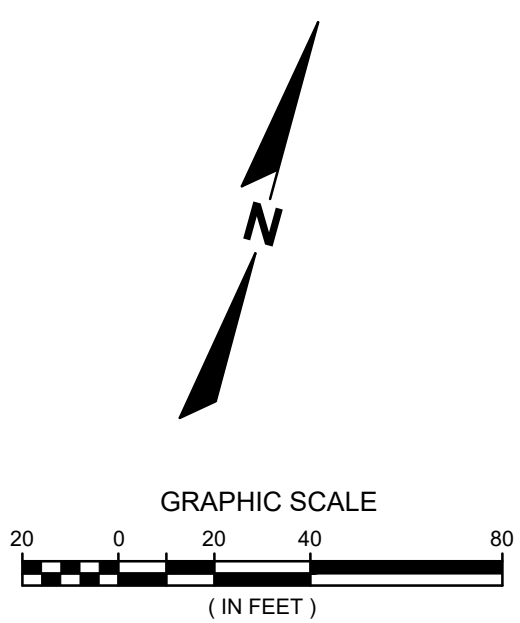
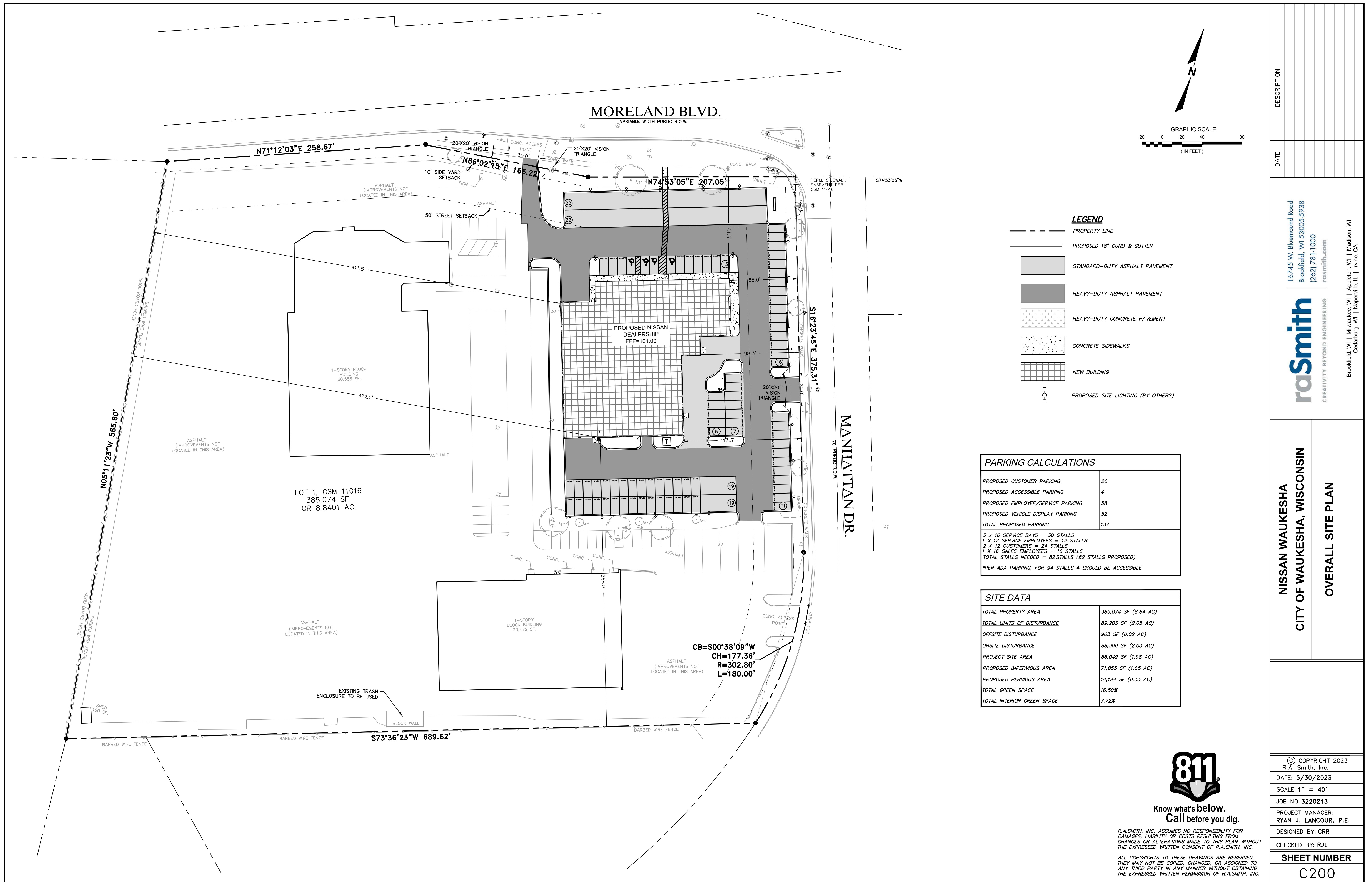


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STARTING
BM: 103.24'
CHISELED BOX ON
LAMP POST BASE



LEGEND

- PROPERTY LINE
- PROPOSED 18" CURB & GUTTER
- STANDARD-DUTY ASPHALT PAVEMENT
- HEAVY-DUTY ASPHALT PAVEMENT
- HEAVY-DUTY CONCRETE PAVEMENT
- CONCRETE SIDEWALKS
- NEW BUILDING
- PROPOSED SITE LIGHTING (BY OTHERS)

PARKING CALCULATIONS	
PROPOSED CUSTOMER PARKING	20
PROPOSED ACCESSIBLE PARKING	4
PROPOSED EMPLOYEE/SERVICE PARKING	58
PROPOSED VEHICLE DISPLAY PARKING	52
TOTAL PROPOSED PARKING	134
3 X 10 SERVICE BAYS = 30 STALLS 1 X 12 SERVICE EMPLOYEES = 12 STALLS 2 X 12 CUSTOMERS = 24 STALLS 1 X 16 SALES EMPLOYEES = 16 STALLS TOTAL STALLS NEEDED = 82 STALLS (82 STALLS PROPOSED) *PER ADA PARKING, FOR 94 STALLS 4 SHOULD BE ACCESSIBLE	

SITE DATA	
TOTAL PROPERTY AREA	385,074 SF (8.84 AC)
TOTAL LIMITS OF DISTURBANCE	89,203 SF (2.05 AC)
OFFSITE DISTURBANCE	903 SF (0.02 AC)
ONSITE DISTURBANCE	88,300 SF (2.03 AC)
PROJECT SITE AREA	86,049 SF (1.98 AC)
PROPOSED IMPERVIOUS AREA	71,855 SF (1.65 AC)
PROPOSED PERVIOUS AREA	14,194 SF (0.33 AC)
TOTAL GREEN SPACE	16.50%
TOTAL INTERIOR GREEN SPACE	7.72%

DATE	DESCRIPTION

16745 W. Bluemound Road
 Brookfield, WI 53005-5938
 (262) 781-1000
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 Cedarburg, WI | Naperville, IL | Irvine, CA

NISSAN WAUKESHA
CITY OF WAUKESHA, WISCONSIN

OVERALL SITE PLAN



Know what's below.
 Call before you dig.

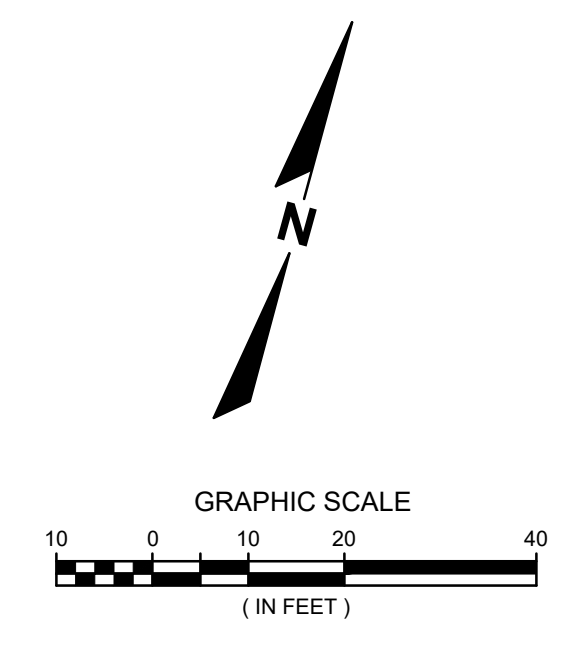
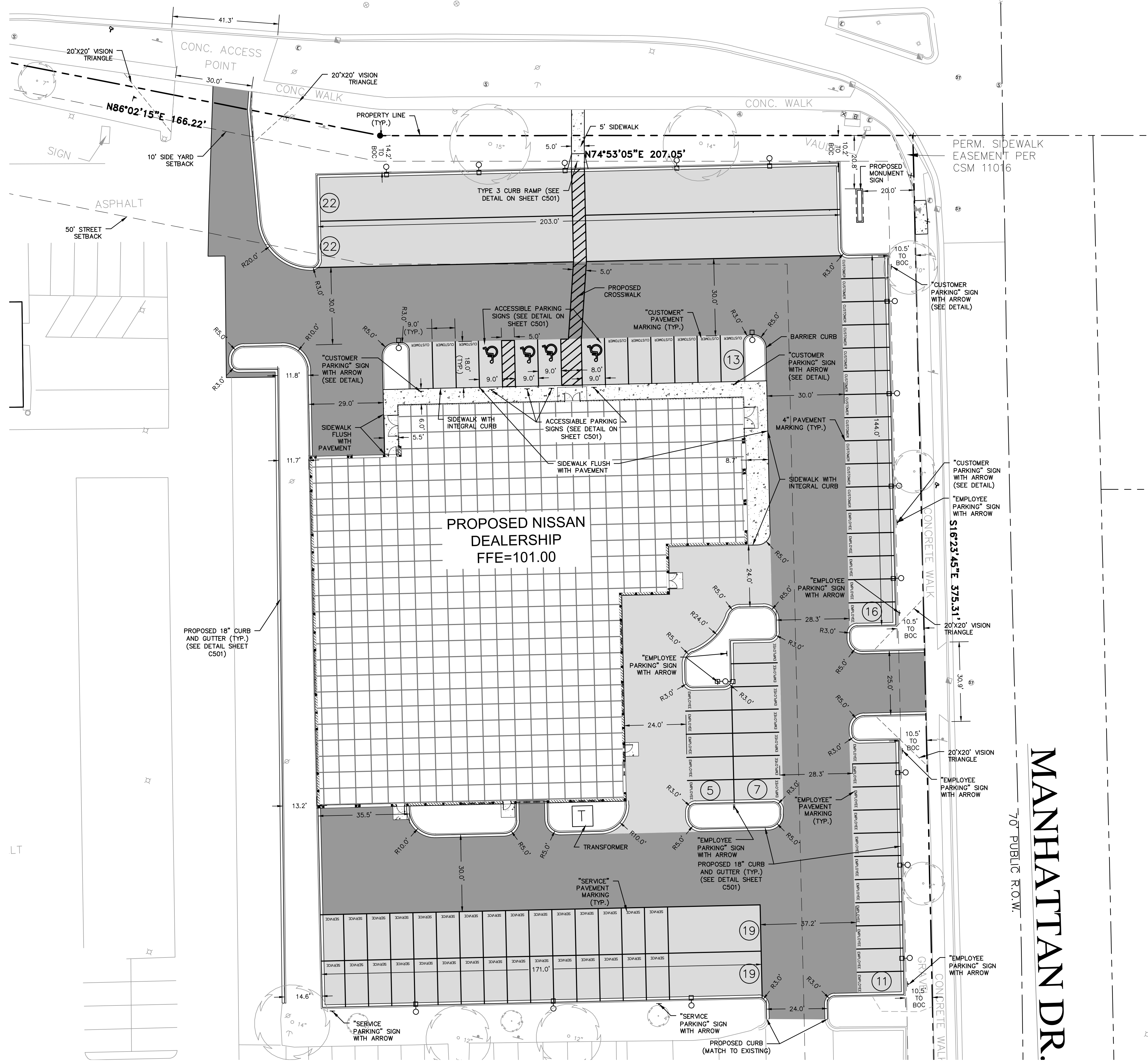
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DATE: 5/30/2023
SCALE: 1" = 40'
JOB NO. 3220213
PROJECT MANAGER: RYAN J. LANCOUR, P.E.
DESIGNED BY: CRR
CHECKED BY: RJL
SHEET NUMBER
C200

MORELAND BLVD.

VARIABLE WIDTH PUBLIC R.O.W.



MANHATTAN DR.

70' PUBLIC R.O.W.



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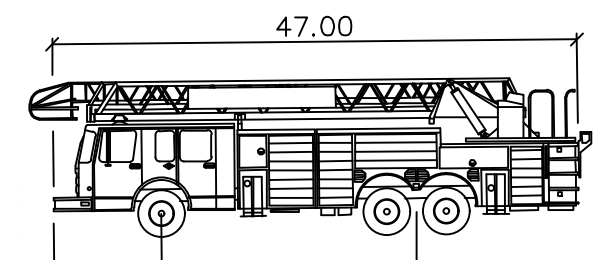
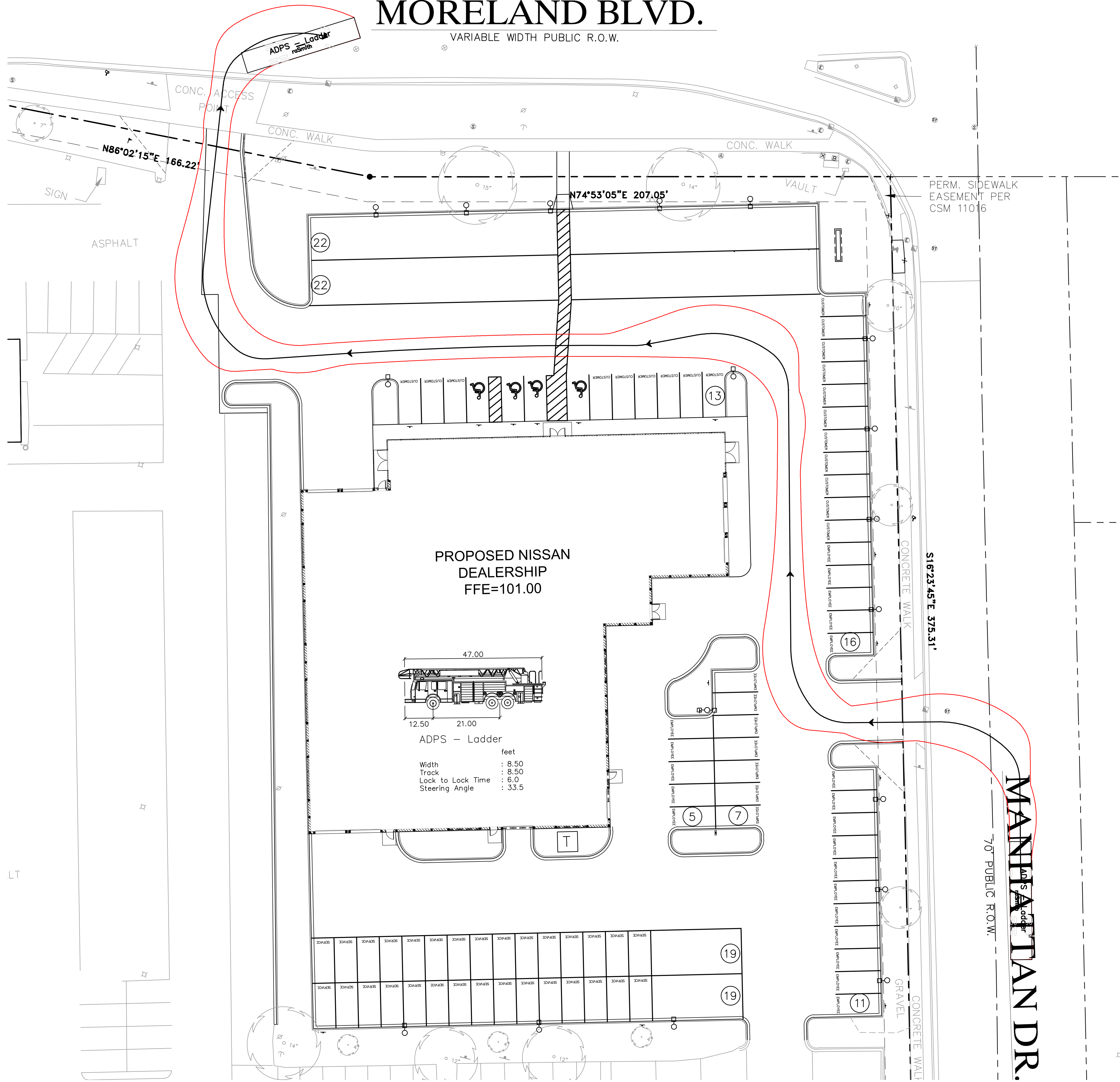
Brookfield, WI | Milwaukee, WI | Appleton, WI | Madison, WI
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NISSAN WAUKESHA
CITY OF WAUKESHA, WISCONSIN
DETAILED SITE PLAN

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DATE: 5/30/2023
SCALE: 1" = 20'
JOB NO. 3220213
PROJECT MANAGER: RYAN J. LANCOUR, P.E.
DESIGNED BY: CRR
CHECKED BY: RJL
SHEET NUMBER
C201

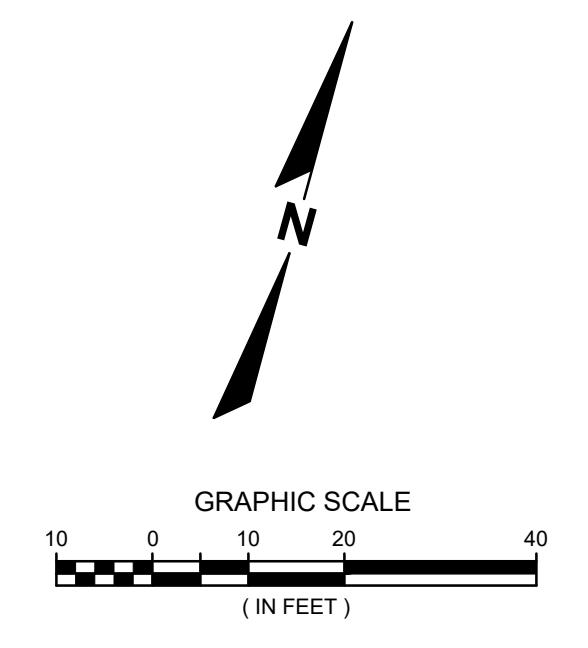
MORELAND BLVD.

VARIABLE WIDTH PUBLIC R.O.W.



ADPS - Ladder

feet
 Width : 8.50
 Track : 8.50
 Lock to Lock Time : 6.0
 Steering Angle : 33.5



DATE

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**NISSAN WAUKESHA
 CITY OF WAUKESHA, WISCONSIN**

FIRE TRUCK TEMPLATE PLAN



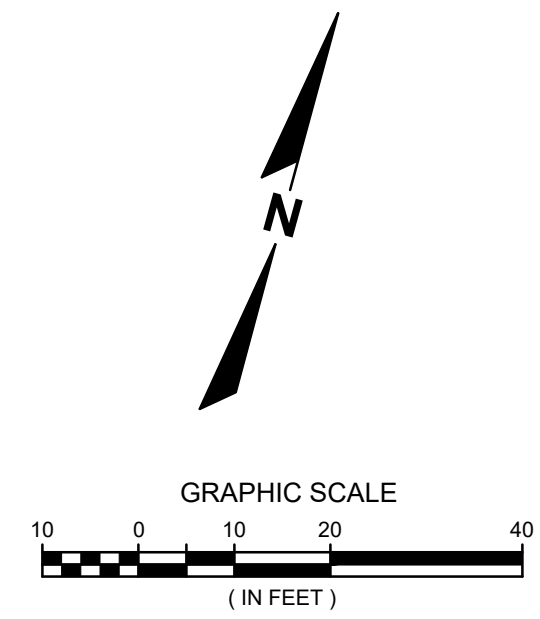
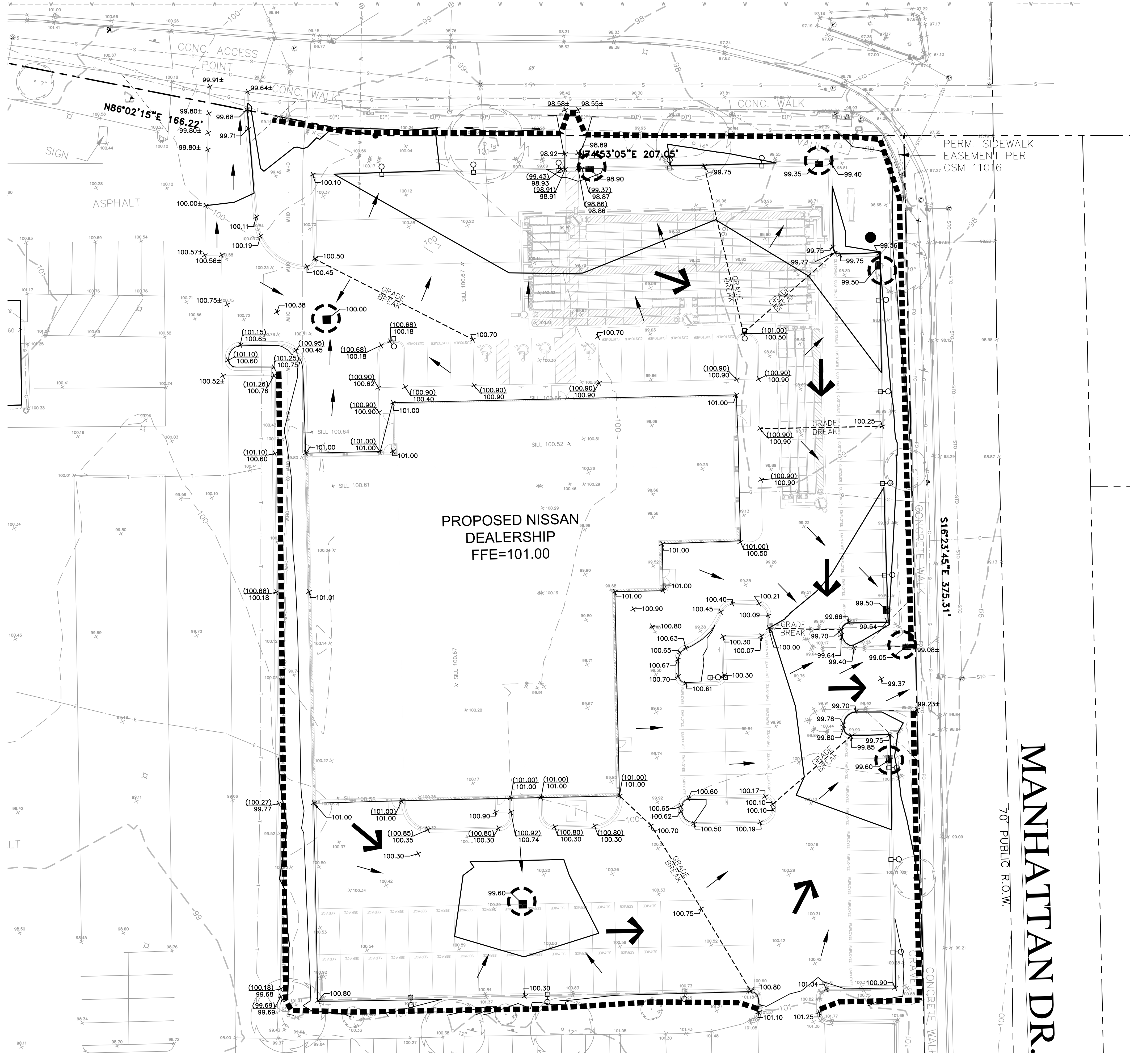
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DATE: 5/30/2023
SCALE: 1" = 20'
JOB NO. 3220213
PROJECT MANAGER: RYAN J. LANCOUR, P.E.
DESIGNED BY: CRR
CHECKED BY: RJL
SHEET NUMBER C202

MORELAND BLVD.

VARIABLE WIDTH PUBLIC R.O.W.



LEGEND

- PROPERTY LINE
- EXISTING CONTOUR LINE
- EXISTING SPOT ELEVATION
- PROPOSED CONTOUR LINE
- PROPOSED SPOT ELEVATION
- PROPOSED TOP OF CURB ELEVATION
- TEMPORARY INLET PROTECTION
- SILT FENCE
- OVERLAND FLOW ROUTE

DESCRIPTION
DATE

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



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NISSAN WAUKESHA
CITY OF WAUKESHA, WISCONSIN

GRADING PLAN



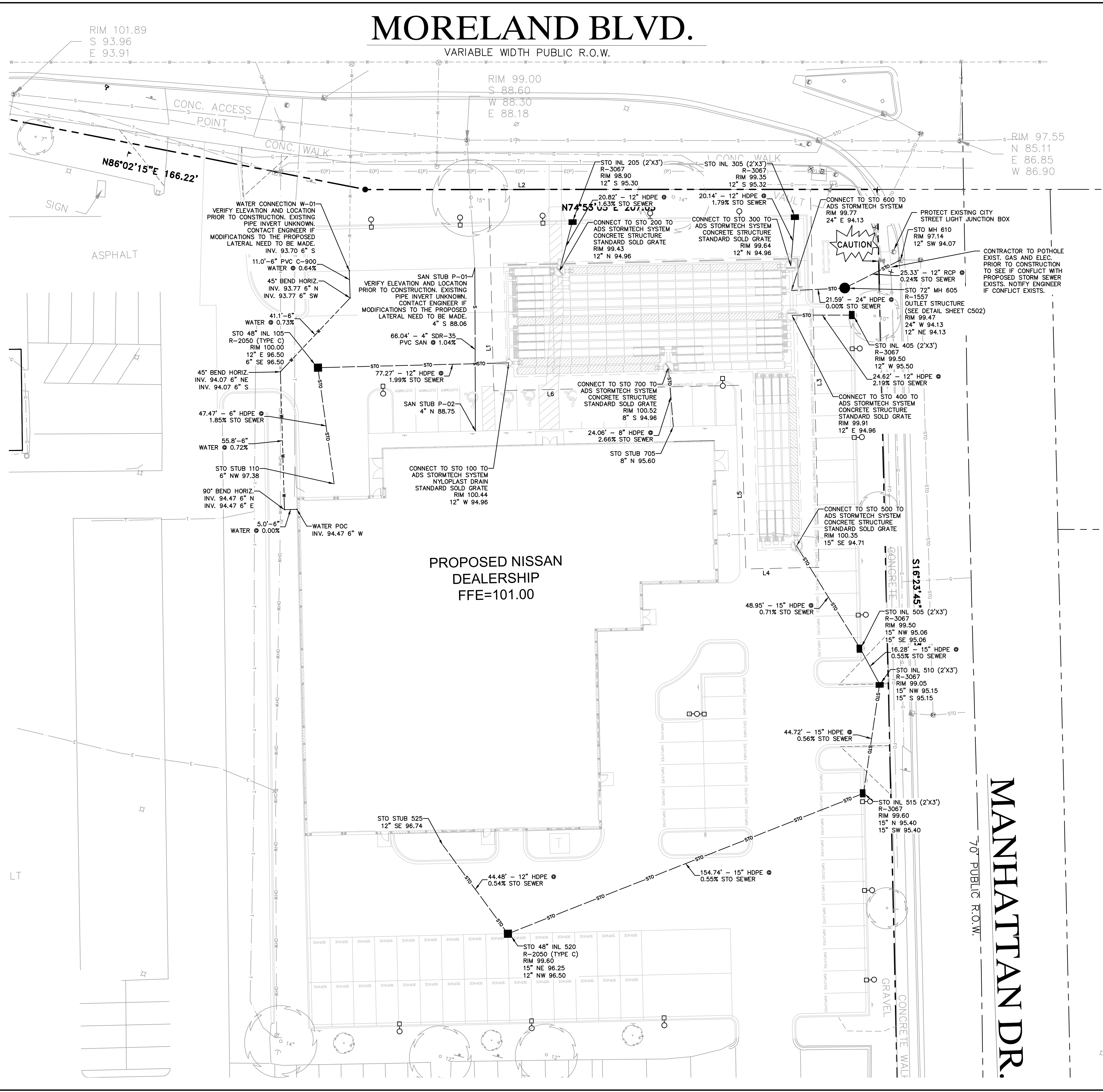
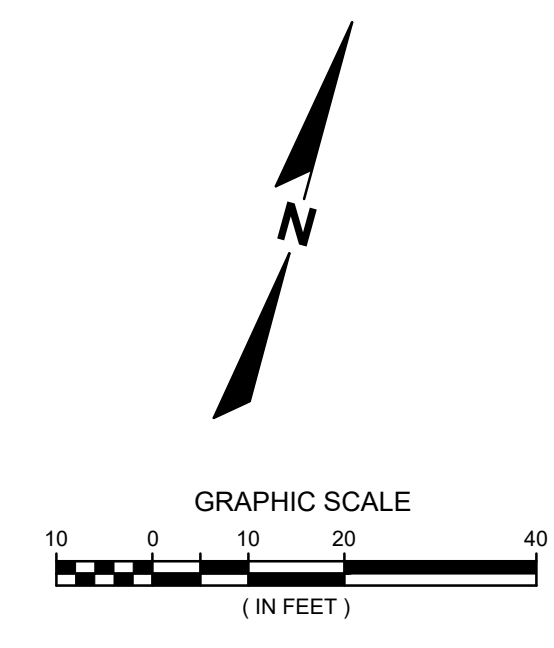
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DESIGNED BY: CRR
CHECKED BY: RJL
SHEET NUMBER
C300

MORELAND BLVD.

VARIABLE WIDTH PUBLIC R.O.W.



NOTES:

1. ALL PIPE LENGTHS ARE TO CENTER OF EXISTING OR PROPOSED STRUCTURE.
2. CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED POINTS OF CONNECTION TO EXISTING PIPE, STRUCTURES OR KNOWN CROSSINGS PRIOR TO PROPOSED UTILITY CONSTRUCTION. CONTACT ENGINEER FOR POSSIBLE REDESIGN IF EXISTING PIPE SIZES OR INVERTS VARY FROM THIS PLAN.
3. CONTRACTOR SHALL FIELD ADJUST ALL EXISTING UTILITY STRUCTURES TO PROPOSED GRADE WITHIN THE PROJECT LIMITS. SEE GRADING & DRAINAGE PLANS FOR PROPOSED RIM GRADES.
4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARDS SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN WISCONSIN, LATEST EDITION.
5. CONTRACTOR TO FIELD LOCATE ALL EXISTING LATERAL LOCATIONS & ELEVATIONS PRIOR TO UTILITY CONSTRUCTION.
6. ALL WATER SERVICES SHALL HAVE MINIMUM 6.0' OF COVER.
7. CONTRACTOR SHALL COORDINATE FINAL SIZING WITH THE OWNER PRIOR TO PROCUREMENT OF THE GREASE INTERCEPTOR(S).
8. CONTRACTOR TO MAINTAIN MINIMUM 18" CLEARANCE WHEN WATER MAIN CROSSES UNDER SANITARY SEWER, AND 6" MINIMUM UNDER STORM SEWER. PROVIDE 2" INSULATION BETWEEN WATER MAIN AND SEWER CROSSINGS WHERE THE VERTICAL SEPARATION IS LESS THAN 2.0'.
9. ALL VALVES INSTALLED AT GREATER THAN 8 FEET OF DEPTH SHALL BE PROVIDED WITH VALVE STEM EXTENSIONS TO BRING THE OPERATING NUT UP TO A NORMAL DEPTH (EQUIVALENT TO A VALVE AT 8 FEET OF DEPTH). THE EXTENSION SHALL BE SECURED TO THE OPERATING NUT WITH AT LEAST 2 SET SCREWS DRILLED INTO THE NUT. PROVIDE A CENTERING RING AT THE TOP OF THE EXTENSION.
10. FOR LEGEND, REFER TO SHEET C000.
11. THE STORM WATER FACILITY SHALL BE INSPECTED BY A CITY OF WAUKESHA INSPECTOR AT LEAST ONCE DURING CONSTRUCTION AND ONCE AFTER THE FINAL SITE STABILIZATION OF THE SITE.
12. SEWER LATERAL VIDEO. THE EXISTING BUILDING HAS A SANITARY SEWER LATERAL CONNECTING THE CITY'S SEWER MAIN. PLEASE PROVIDE A SEWER LATERAL VIDEO TO CITY FOR REVIEW AND APPROVAL. CONTACT THE CITY ENGINEERING DEPARTMENT FOR VIDEO FORMAT. IF THE LATERAL MAINTENANCE IS NEEDED, THEN THE LATERAL IMPROVEMENTS MAY NEED TO BE INCLUDED AS PART OF THIS PROJECT. THE LATERAL PIPE CONNECTION TO THE MAIN MAY NEED TO BE LINED OR RELAYED TO REDUCE INFILTRATION INTO THE CITY'S SANITARY SEWER SYSTEM OR IMPROVE THE STRUCTURAL INTEGRITY.
13. A RECORD DRAWING OF THE SANITARY/STORM SEWER FACILITIES SEALED BY A PROFESSIONAL ENGINEER OR REGISTERED LANDSURVEYOR SHALL BE SUBMITTED TO THE ENGINEERING DEPARTMENT.

SW EASEMENT LINE TABLE

Line #	Length	Direction
L1	81.47	N16° 32' 32.36"W
L2	130.15	N74° 53' 05.00"E
L3	152.94	S16° 23' 33.26"E
L4	29.59	S73° 37' 57.32"W
L5	74.34	N16° 37' 57.13"W
L6	100.00	S73° 37' 11.41"W



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DATE	DESCRIPTION

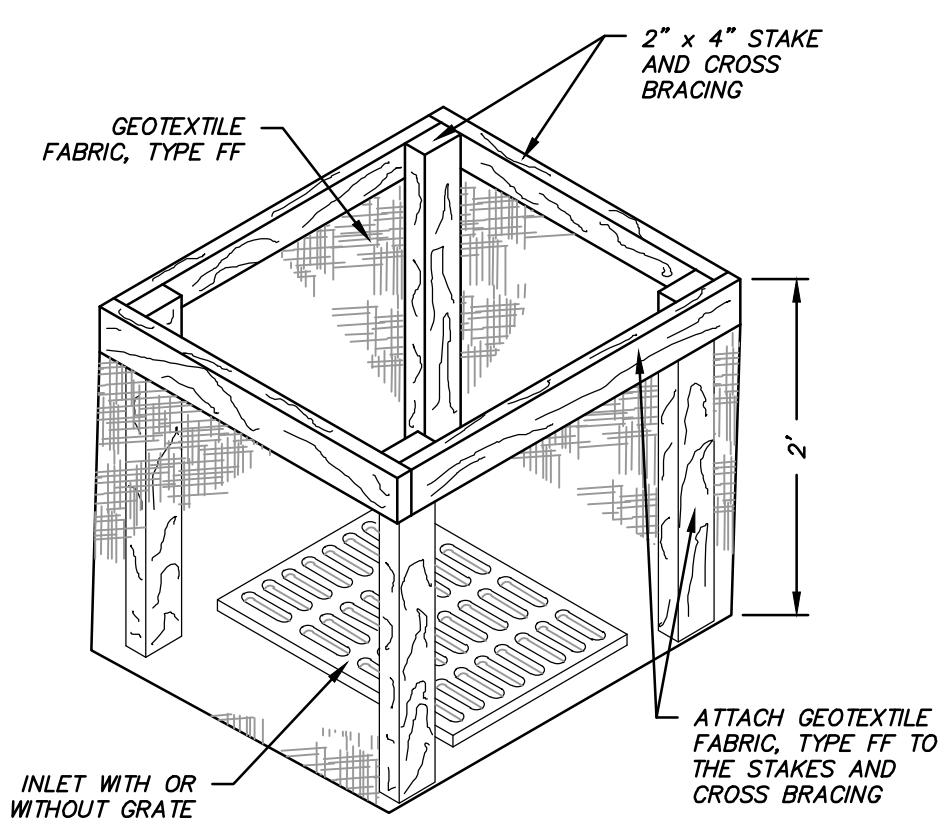
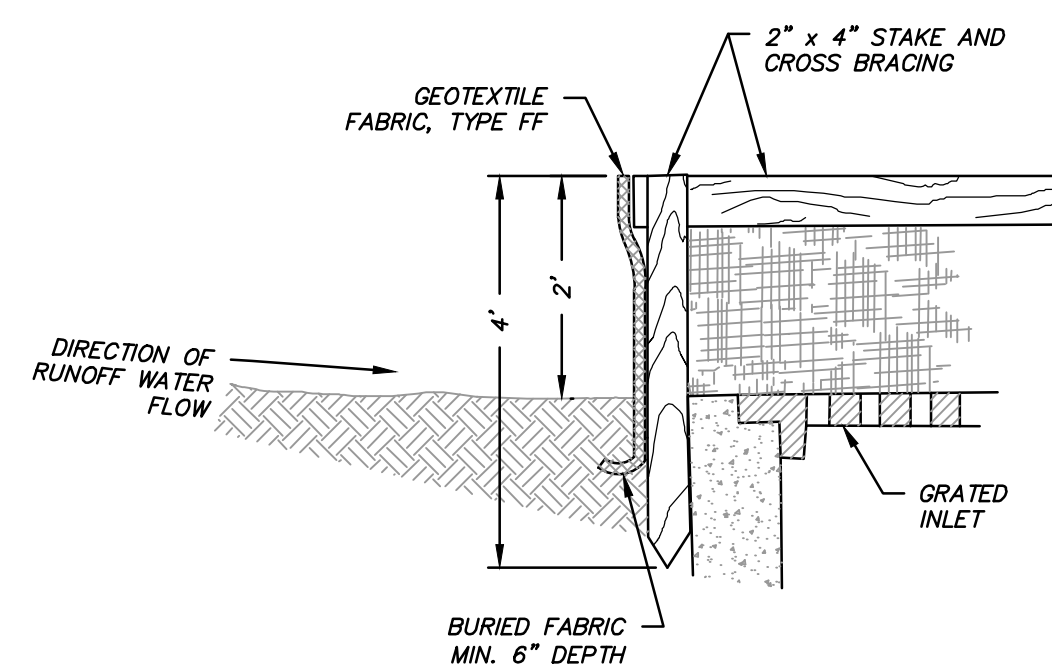
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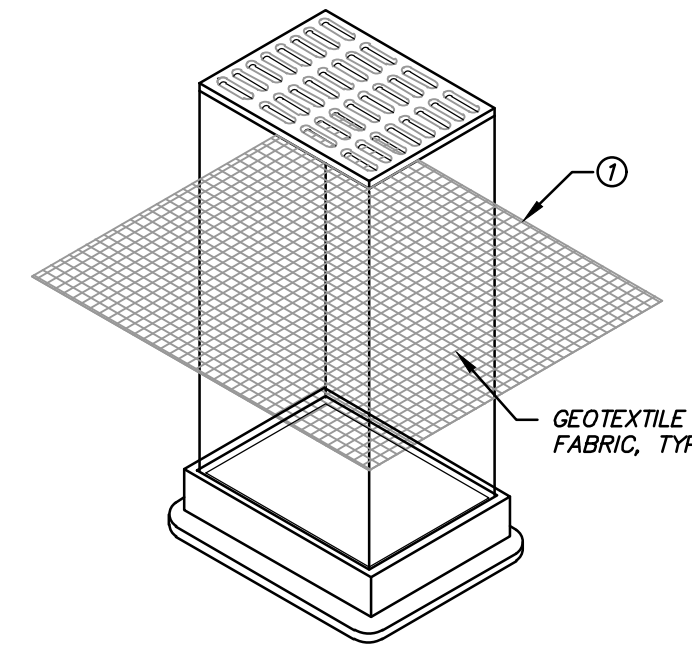
CREATIVITY BEYOND ENGINEERING
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Cedarburg, WI | Naperville, IL | Irvine, CA

NISSAN WAUKESHA
CITY OF WAUKESHA, WISCONSIN
UTILITY PLAN

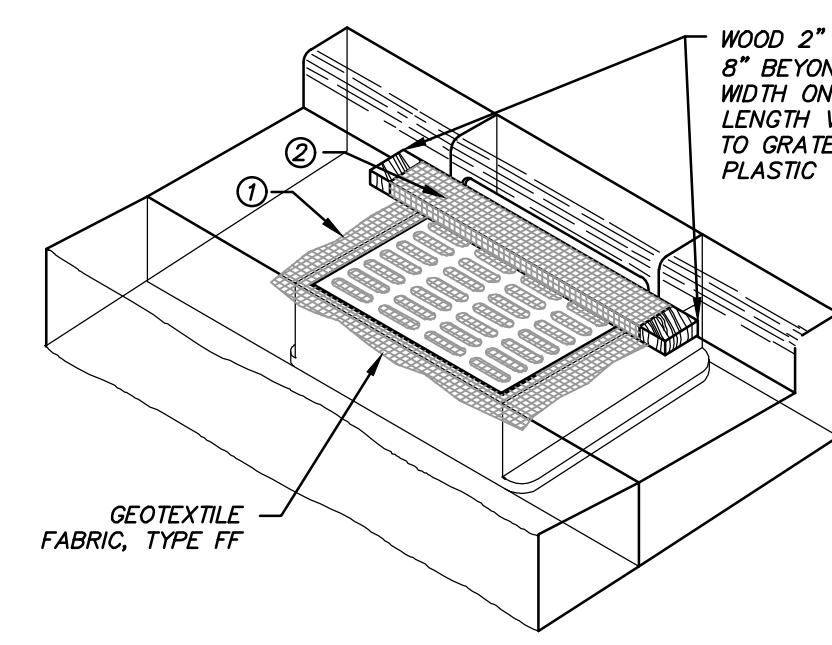
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JOB NO. 3220213
PROJECT MANAGER: RYAN J. LANCOUR, P.E.
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SHEET NUMBER
C400



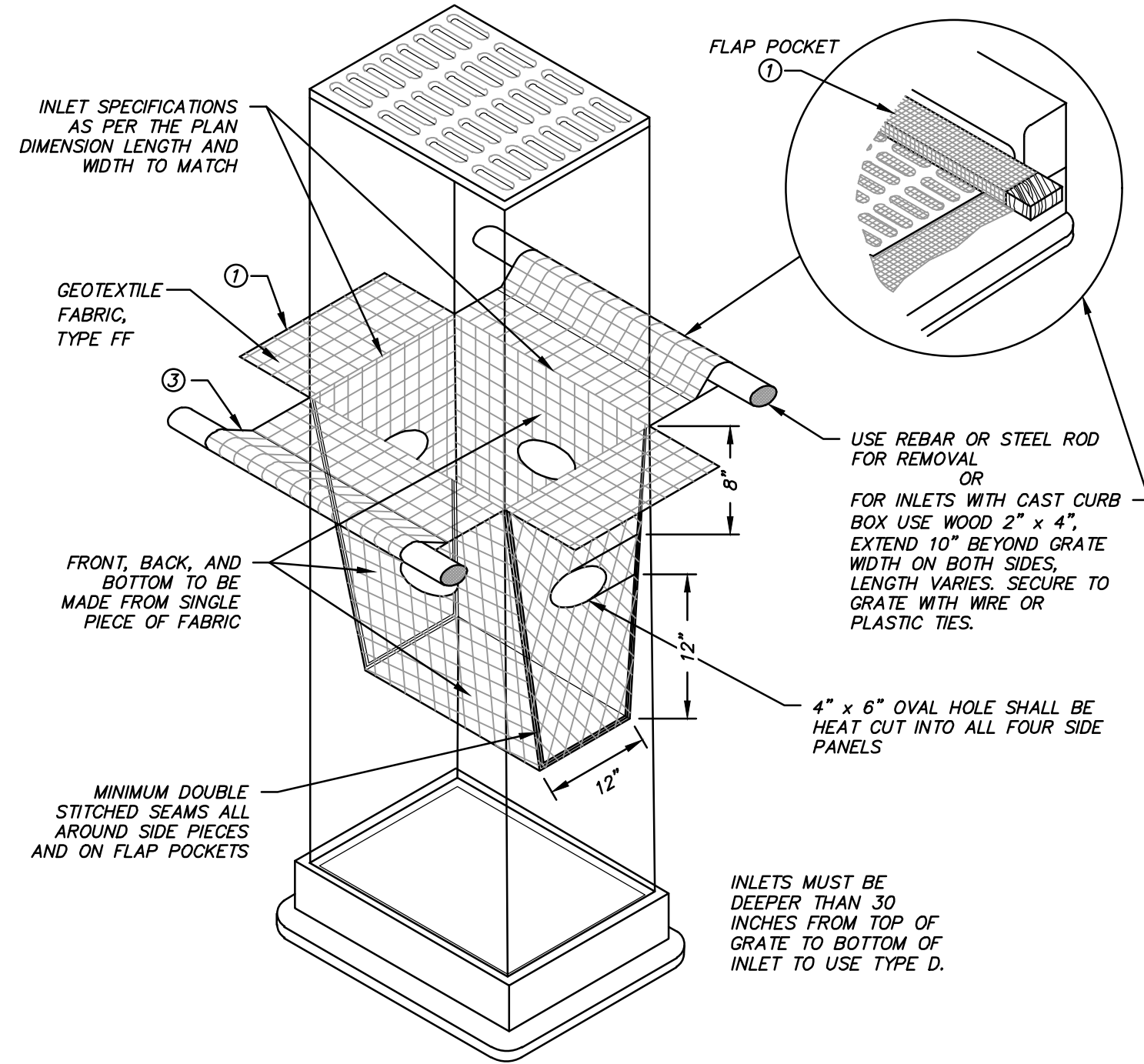
INLET PROTECTION TYPE A



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. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.
- ③

GENERAL NOTES:

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

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

TYPE A IS TO BE USED PRIOR TO PAVING AND TYPED 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.

TYPE C SHALL BE USED 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.)

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.

MAINTENANCE:

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

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.

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. 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.

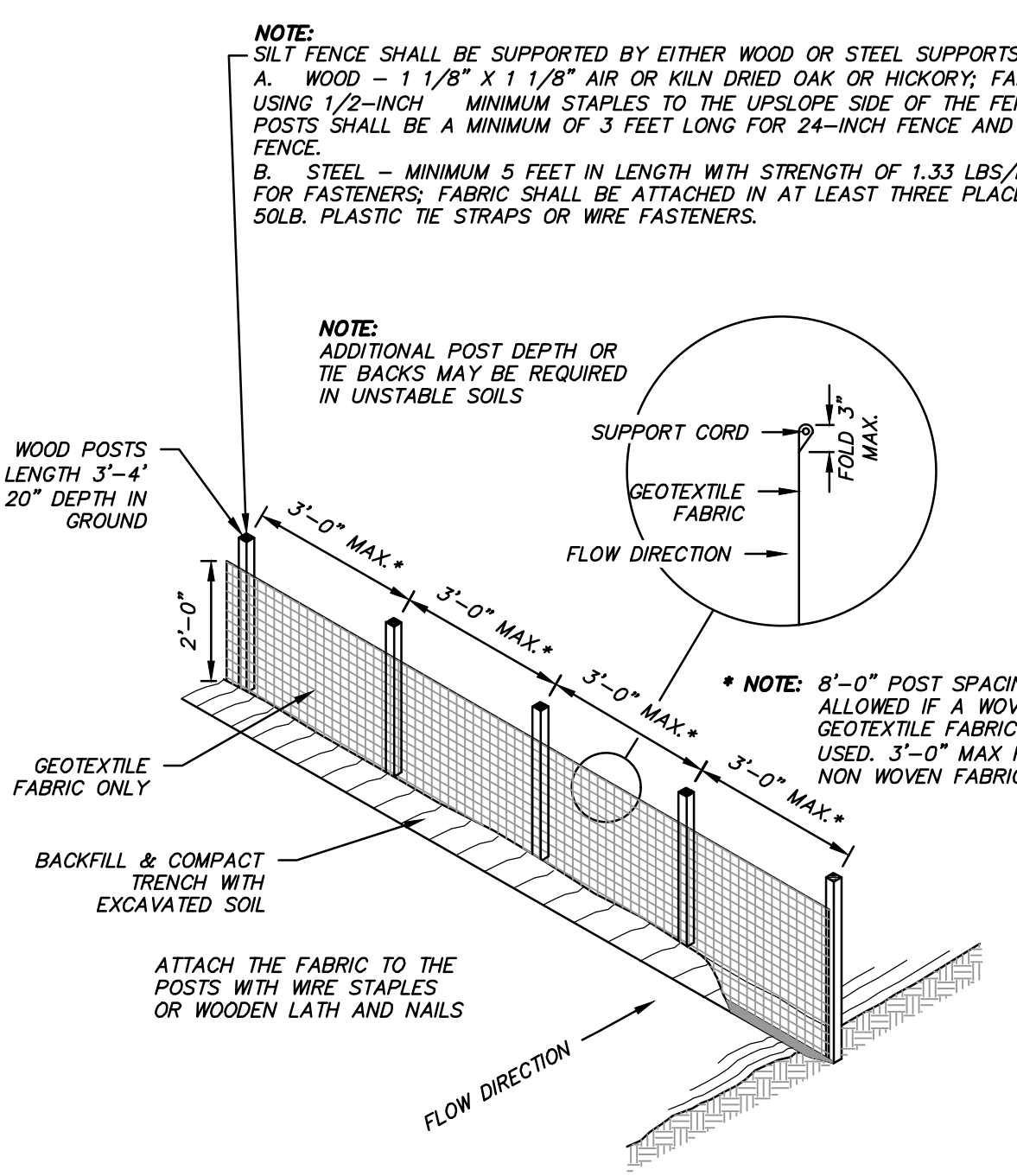
STORM DRAIN INLET PROTECTION DETAILS
(NOT TO SCALE)

NOTES:

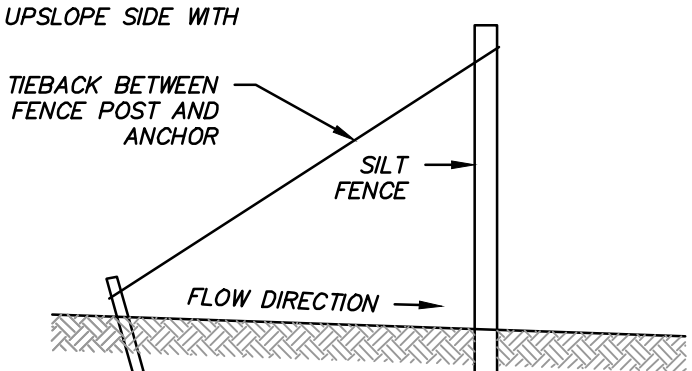
1. SILT FENCE INSTALLATION AND MATERIALS SHALL CONFORM TO WNR CONSERVATION STANDARD 1056
2. SILT FENCE SHALL BE PLACED ON THE CONTOUR AND NOT PERPENDICULAR TO THE CONTOUR. THE ENDS SHALL BE EXTENDED UPSLOPE TO PREVENT WATER FROM FLOWING AROUND THE ENDS OF THE FENCE.
3. WHEN SILT FENCE IS INSTALLED ON A SLOPE, THE PARALLEL SPACING SHALL NOT EXCEED THE REQUIREMENTS IN THE TABLE BELOW:

SLOPE	FENCE SPACING
< 2%	100 FEET
2 TO 5%	75 FEET
5 TO 10%	50 FEET
10 TO 33%	25 FEET
> 33%	20 FEET

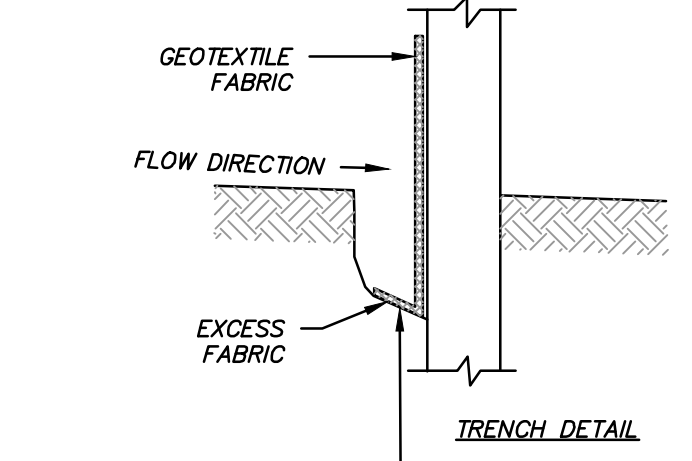
4. INSTALLED SILT FENCES SHALL BE MINIMUM 14 INCHES HIGH AND A MAXIMUM OF 28 INCHES IN HEIGHT MEASURED FROM THE INSTALLED GROUND ELEVATION.
5. A MINIMUM OF 20 INCHES OF THE POST SHALL EXTEND INTO THE GROUND AFTER INSTALLATION.
6. SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8 INCHES OF THE FABRIC IN A 4-INCH TRENCH WIDE BY 6-INCH DEEP TRENCH, OR 6-INCH V-TRENCH ON THE UPSLOPE SIDE OF THE FENCE. TRENCH SHALL BE BACKFILLED AND COMPACTED. TRENCHES SHALL NOT BE EXCAVATED WIDER THAN NECESSARY FOR PROPER INSTALLATION.
7. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS:
 - A) TWIST METHOD—OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES.
 - B) HOOK METHOD—HOOK THE END OF EACH SILT FENCE LENGTH.
8. SILT FENCE SHALL AT A MINIMUM BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EACH PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24-HOUR PERIOD.
9. DAMAGED OR DECOMPOSED FENCES, UNDERCUTTING, OR FLOW CHANNELS AROUND THE END OF BARRIERS SHALL BE REPAIRED OR CORRECTED.
10. SEDIMENT SHALL BE PROPERLY DISPOSED OF ONCE THE DEPOSITS REACH ONE HALF THE HEIGHT OF THE FENCE.
11. SILT FENCES SHALL BE REMOVED ONCE THE DISTURBED AREA IS PERMANENTLY STABILIZED AND IS NO LONGER SUSCEPTIBLE TO EROSION.



SILT FENCE DETAIL
(NOT TO SCALE)

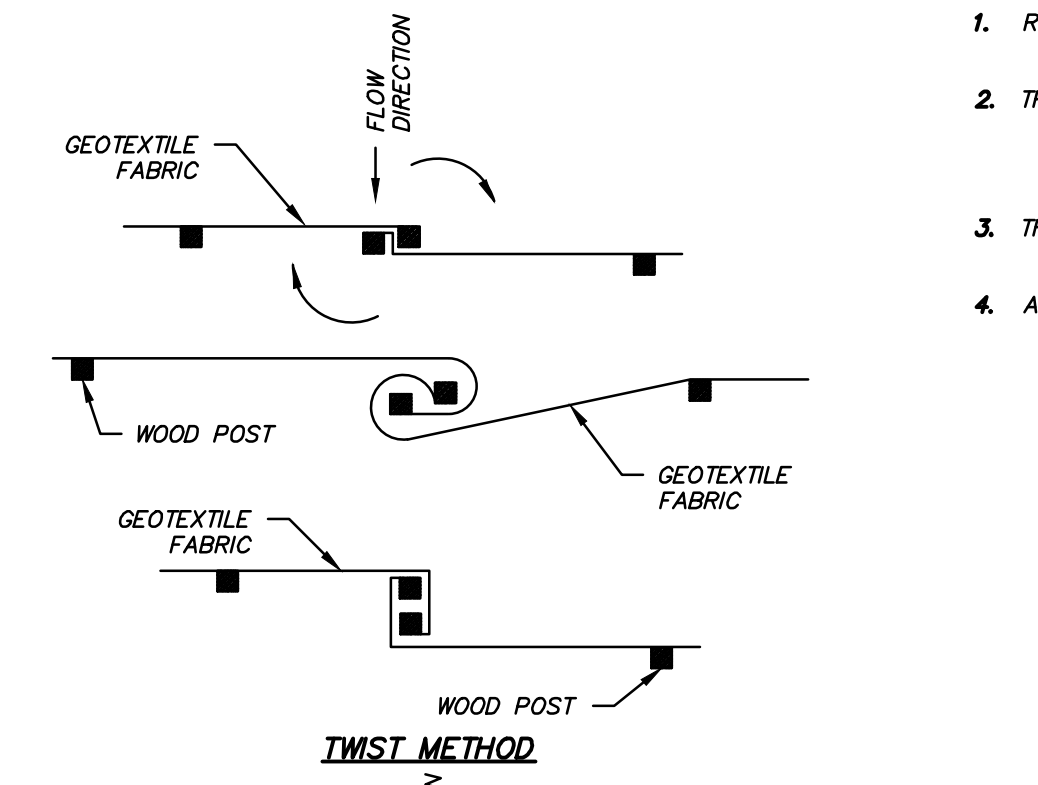


SILT FENCE TIE BACK
(WHEN ADDITIONAL SUPPORT IS REQUIRED)

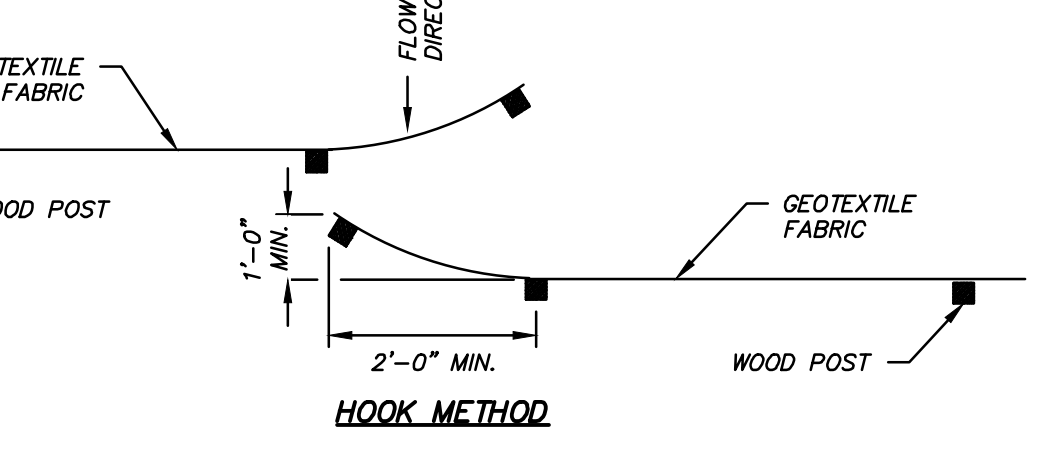


NOTES:

1. TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

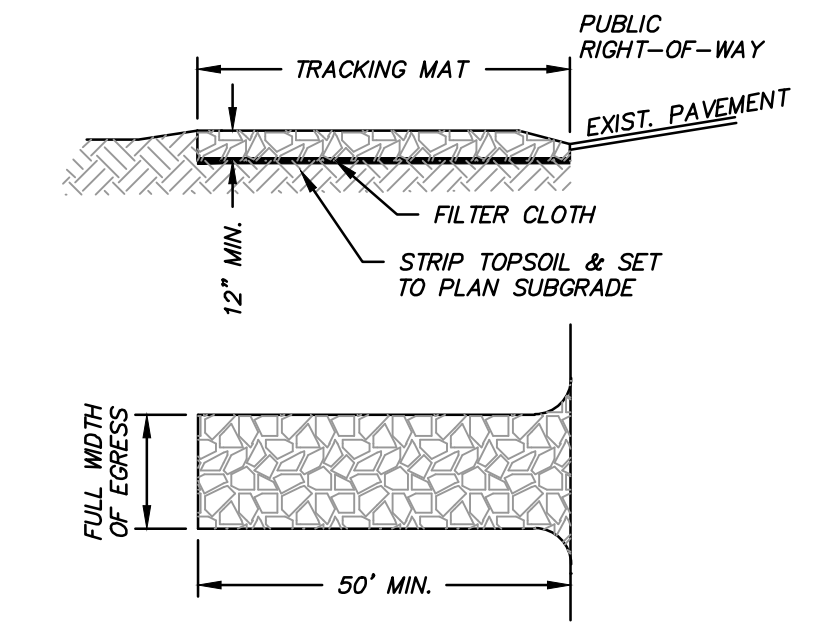


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE



CONSIDERATIONS:

1. TIRE WASHING AND TRACKING PAD TO CONFORM TO WNR CONSERVATION PRACTICE STANDARD 1057.
2. VEHICLES TRAVELING ACROSS THE TRACKING PAD SHOULD MAINTAIN A SLOW CONSTANT SPEED.
3. THE BEST APPROACH TO PREVENTING OFF-SITE TRACKING IS TO RESTRICT VEHICLES TO STABILIZED AREAS.
4. IT IS ALWAYS PREFERABLE TO PREVENT SEDIMENT FROM BEING DEPOSITED UPON THE ROAD THAN CLEANING THE ROAD LATER. SEDIMENT ON A ROAD CAN CREATE A SAFETY HAZARD AS WELL AS A POLLUTION PROBLEM.
5. ANY SEDIMENT TRACKED ONTO A PUBLIC OR PRIVATE ROAD SHOULD BE REMOVED BY STREET CLEANING, NOT FLUSHING, BEFORE THE END OF EACH WORKING DAY.

NOTES:

- A. TRACKING PAD:**
1. THE TRACKING PAD SHALL BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE SITE.
 2. THE AGGREGATE FOR TRACKING PADS SHALL BE 3"-6" CLEAR OR WASHED STONE. ALL MATERIAL SHALL BE RETAINED ON A 3-INCH SIEVE.
 3. THE AGGREGATE SHALL BE PLACED IN A LAYER AT LEAST 12 INCHES THICK. ON SITES WITH A HIGH WATER TABLE, OR WHERE SATURATED CONDITIONS ARE EXPECTED DURING THE LIFE OF THE PRACTICE, STONE TRACKING PADS SHALL BE UNDERLAIN WITH A WSDOT TYPE R GEOTEXTILE FABRIC TO PREVENT MIGRATION OF UNDERLYING SOIL INTO THE STONE.
 4. THE TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT. THE TRACKING PAD SHALL BE A MINIMUM OF 50 FEET LONG.
 5. SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY FROM TRACKING PADS OR CONVEYED UNDER AND AROUND THEM BY USING A VARIETY OF PRACTICES, SUCH AS CULVERTS, WATER BARS, OR OTHER SIMILAR PRACTICES.
- B. TIRE WASHING:**
- IF CONDITIONS ON THE SITE ARE SUCH THAT THE SEDIMENT IS NOT REMOVED FROM VEHICLE TIRES BY THE TRACKING PAD, THEN TIRES SHALL BE WASHED UTILIZING PRESSURIZED WATER BEFORE ENTERING A PUBLIC ROAD.
1. THE WASHING STATION SHALL BE LOCATED ON-SITE ON AN AREA THAT IS STABILIZED AND DRAINS INTO A SUITABLE SEDIMENT TRAPPING OR SETTLING DEVICE.
 2. THE WASH RACK SHALL CONSIST OF A HEAVY GRATING OVER A LOWERED AREA. THE RACK SHALL BE STRONG ENOUGH TO SUPPORT THE VEHICLES THAT WILL CROSS IT.
- C. MAINTENANCE**
1. ROCKS LODGED BETWEEN THE TIRES IF DUAL WHEEL VEHICLES SHALL BE REMOVED PRIOR TO LEAVING THE CONSTRUCTION SITE.
 2. TRACKING PADS AND TIRE WASHING STATIONS SHALL, AT A MINIMUM, BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24-HOUR PERIOD.
 3. THE TRACKING PAD PERFORMANCE SHALL BE MAINTAINED BY SCRAPING OR TOP-DRESSING WITH ADDITIONAL AGGREGATE.
 4. A MINIMUM 12-INCH THICK PAD SHALL BE MAINTAINED.

STONE TRACKING PAD AND TIRE WASHING DETAIL
(NOT TO SCALE)



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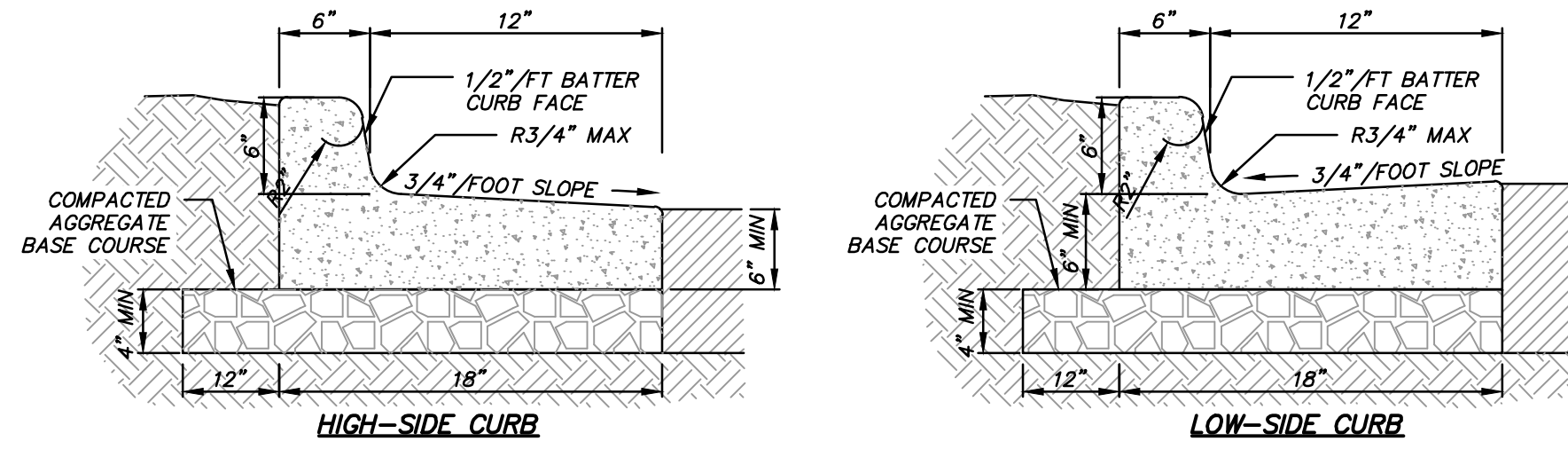
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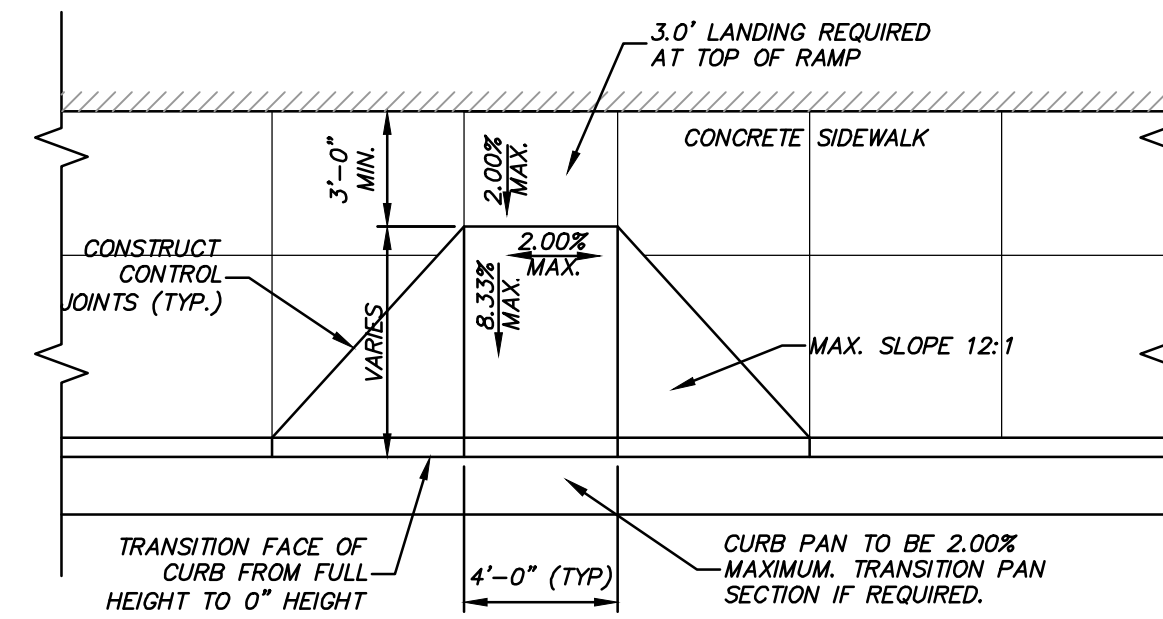
NISSAN WAUKESHA
CITY OF WAUKESHA, WISCONSIN
EROSION CONTROL DETAILS

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SCALE: N.T.S.
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DESIGNED BY: JJJ
CHECKED BY: RJL
SHEET NUMBER
C500

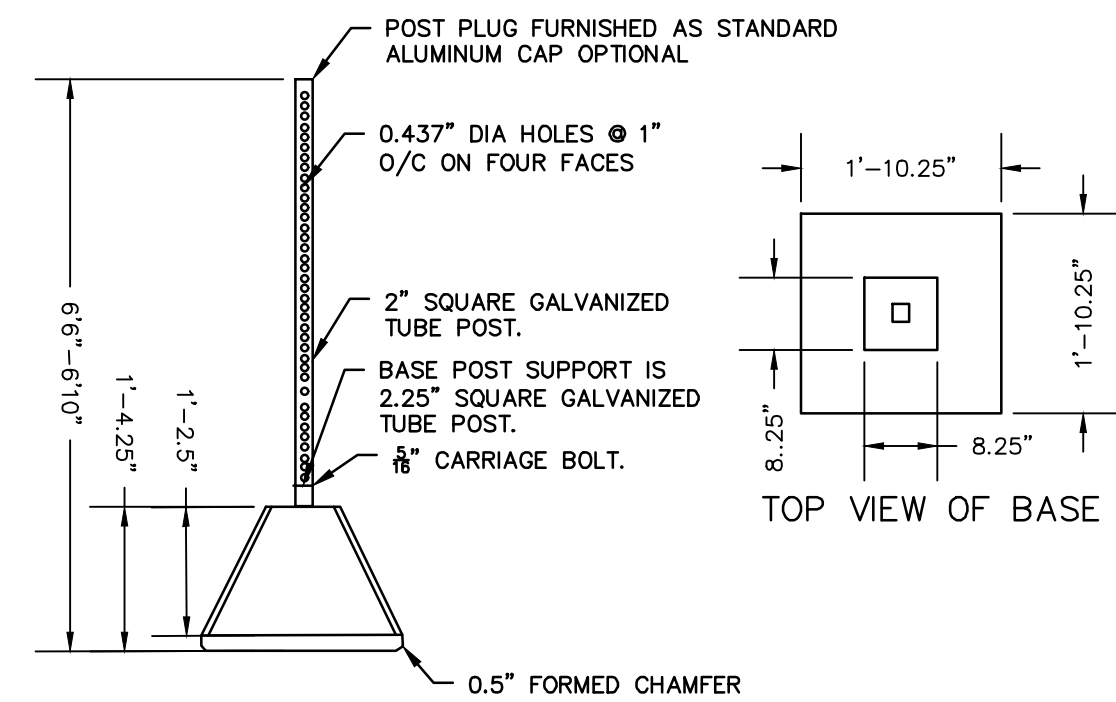
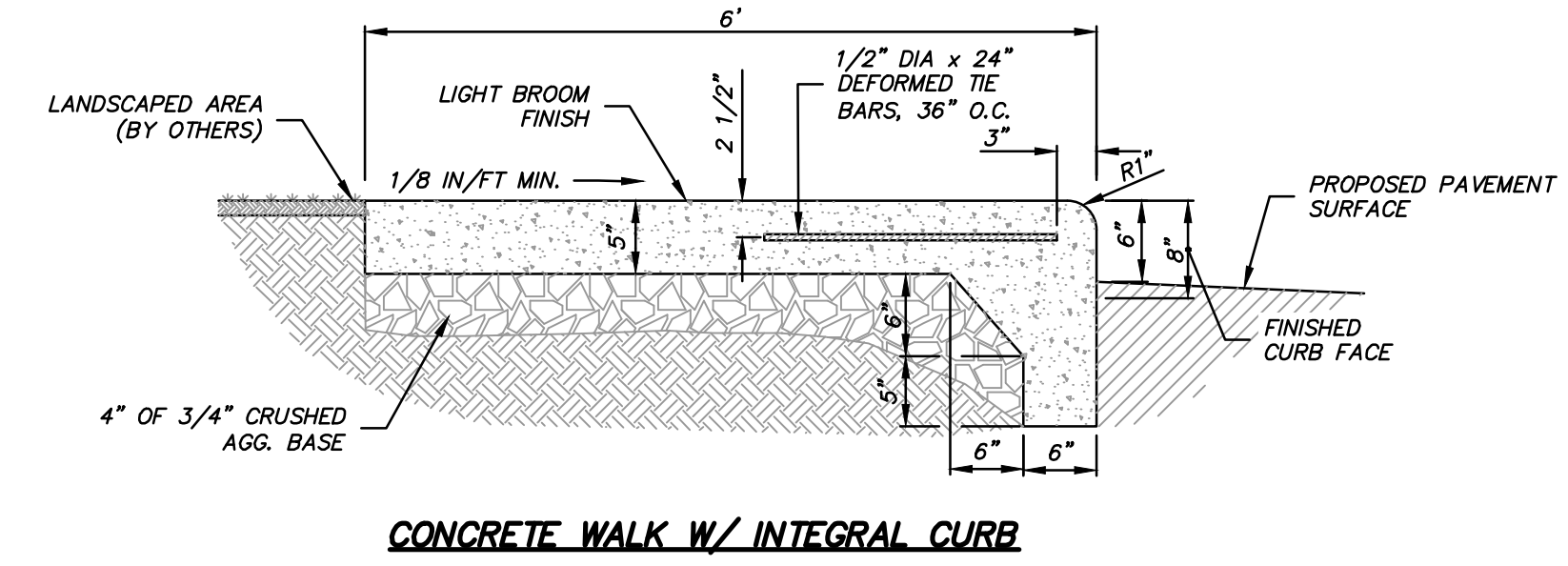


NOTES:
 A) 3500 PSI CONCRETE SHALL BE USED IN CONSTRUCTION OF THE CURB & GUTTER.
 B) THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE SLOPE OF THE GUTTER PAN.
 C) FOR DEPRESSED CURB HEAD SLOPE, USE THE SAME SLOPE AS ADJACENT SIDEWALK.
 D) THE BOTTOM OF THE CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL 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.

ON-SITE CONCRETE CURB & GUTTER DETAIL

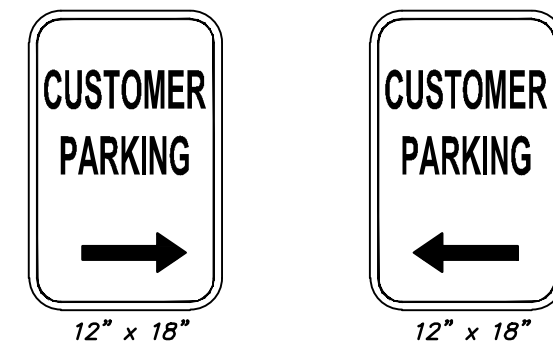


TYPE 3 CURB RAMP



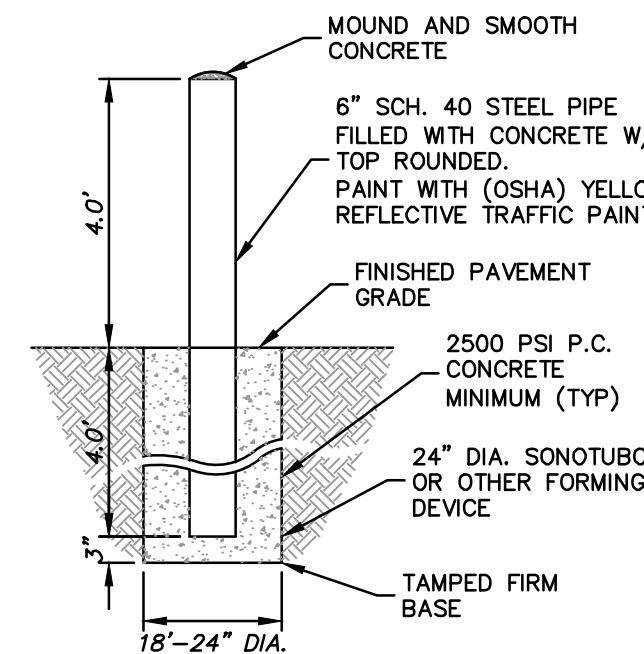
PORTABLE CONCRETE SIGN BASE
(NOT TO SCALE)

NOTES:
 1. MAT'L: AIR ENTRAINED REINFORCED CONCRETE

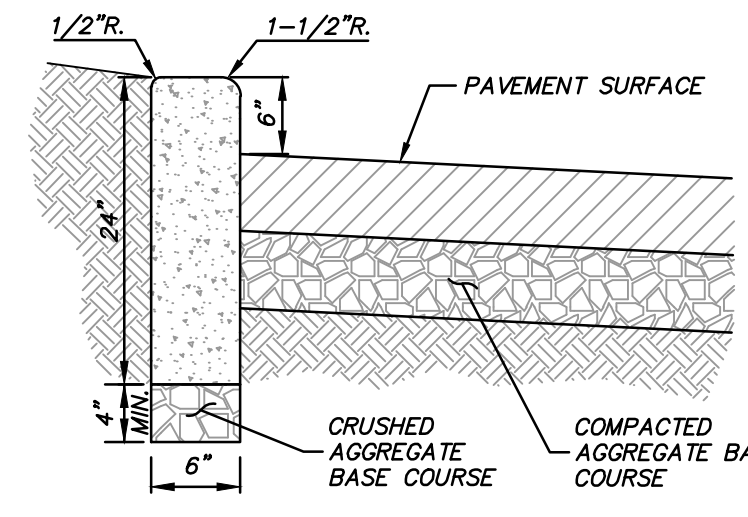


"CUSTOMER PARKING" SIGN
(NOT TO SCALE)

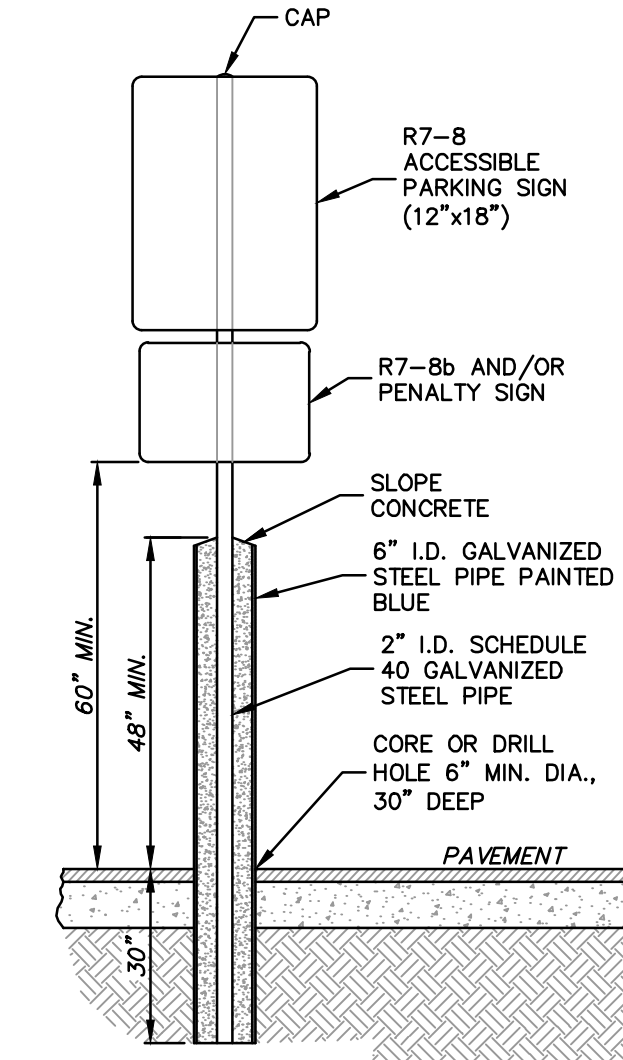
CUSTOMER PARKING (R ARROW) = 2
 CUSTOMER PARKING (L ARROW) = 2
 SERVICE PARKING (R ARROW) = 1
 SERVICE PARKING (L ARROW) = 1
 EMPLOYEE PARKING (R ARROW) = 4
 EMPLOYEE PARKING (L ARROW) = 4



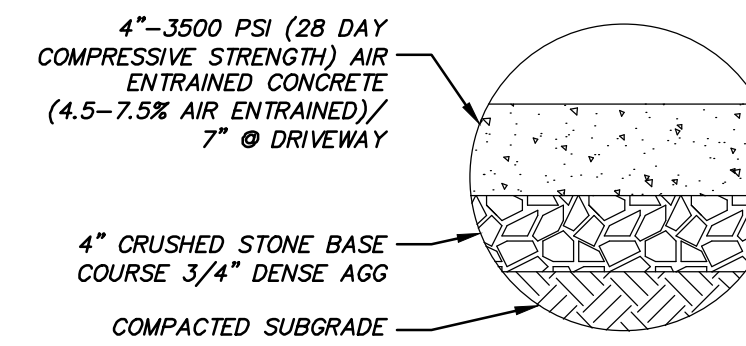
BOLLARD DETAIL



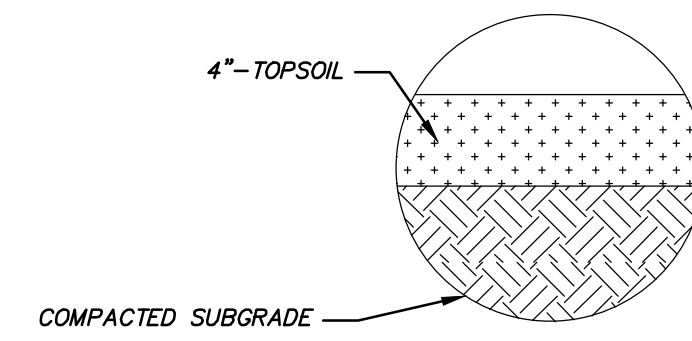
6" BARRIER CURB DETAIL
(NOT TO SCALE)



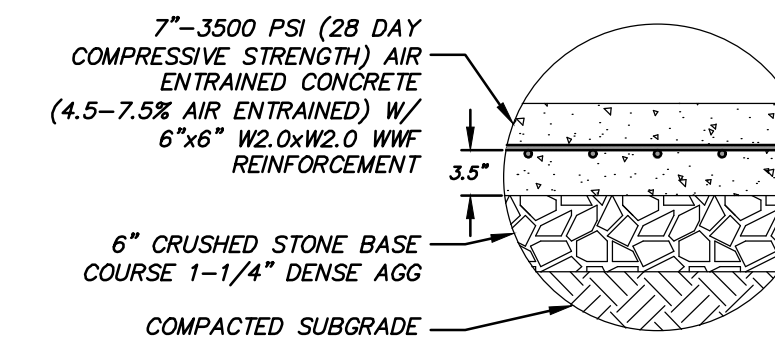
ACCESSIBLE PARKING SIGN AND POST INSTALLATION IN BOLLARD
TYPE 2



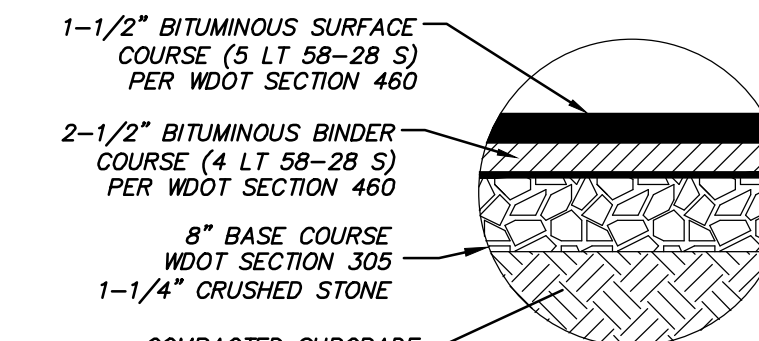
PUBLIC CONCRETE SIDEWALK SECTION



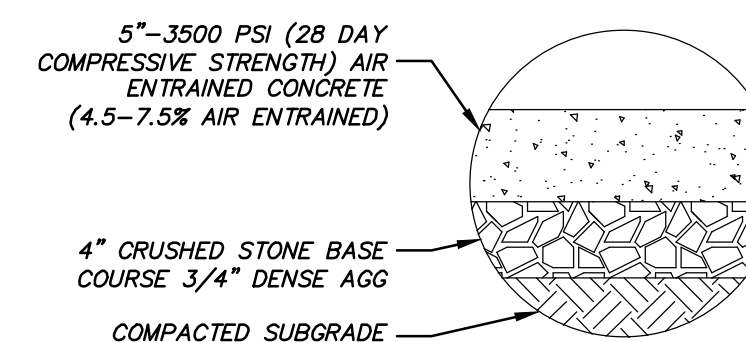
LANDSCAPED AREAS (ALL NON-PAVED AREAS)



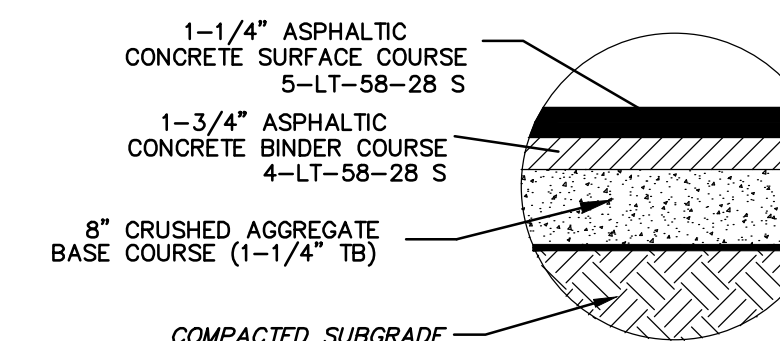
CONCRETE PAVEMENT SECTION



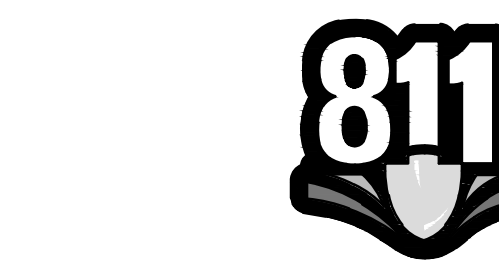
ASPHALT PAVEMENT SECTION (HEAVY DUTY)



CONCRETE SIDEWALK PAVEMENT SECTION



ASPHALT PAVEMENT SECTION (STANDARD DUTY)



Know what's below. Call before you dig.

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DESCRIPTION
DATE

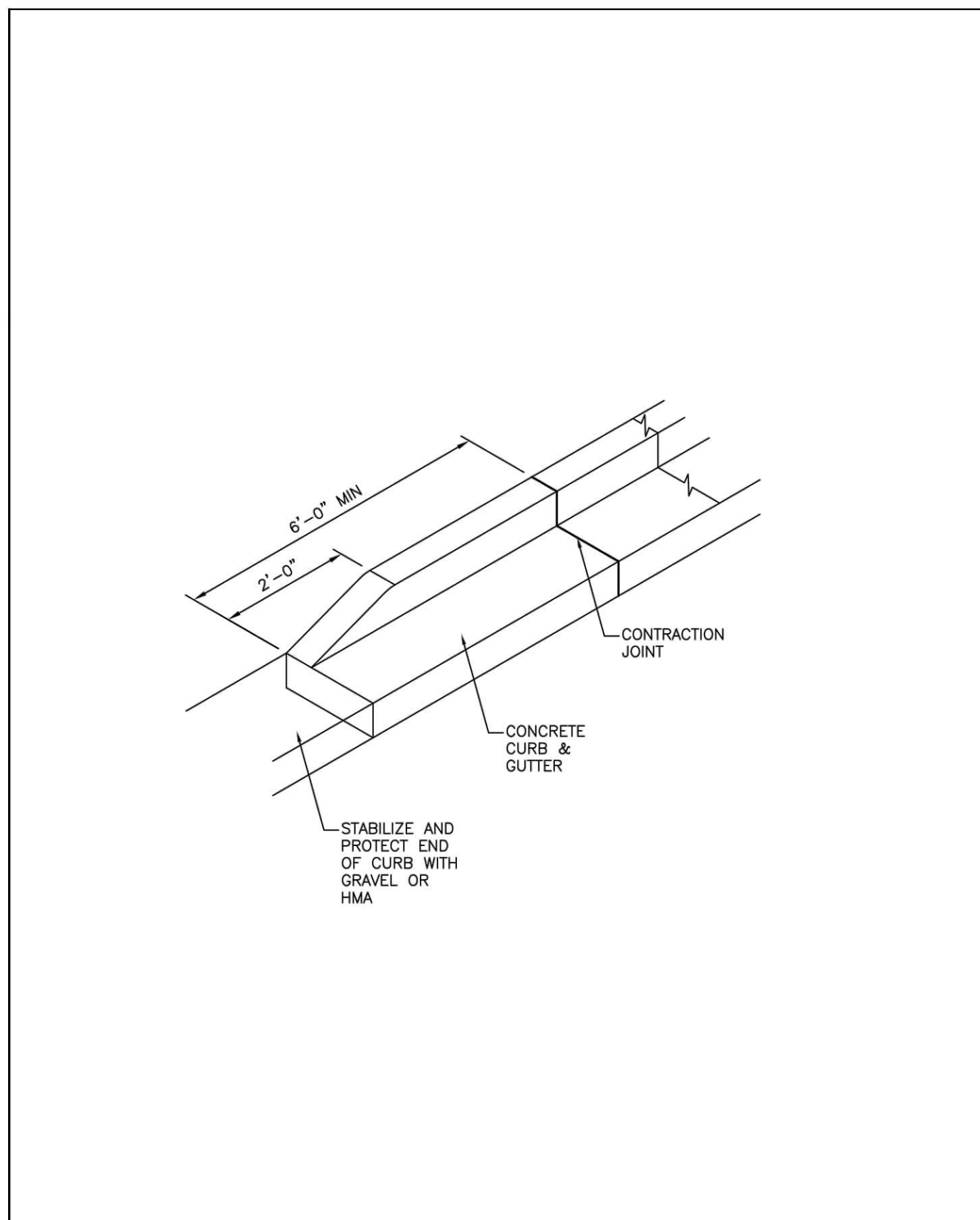
16745 W. Bluemound Road
 Brookfield, WI 53005-5938
 (262) 781-1000
 rasmith.com



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

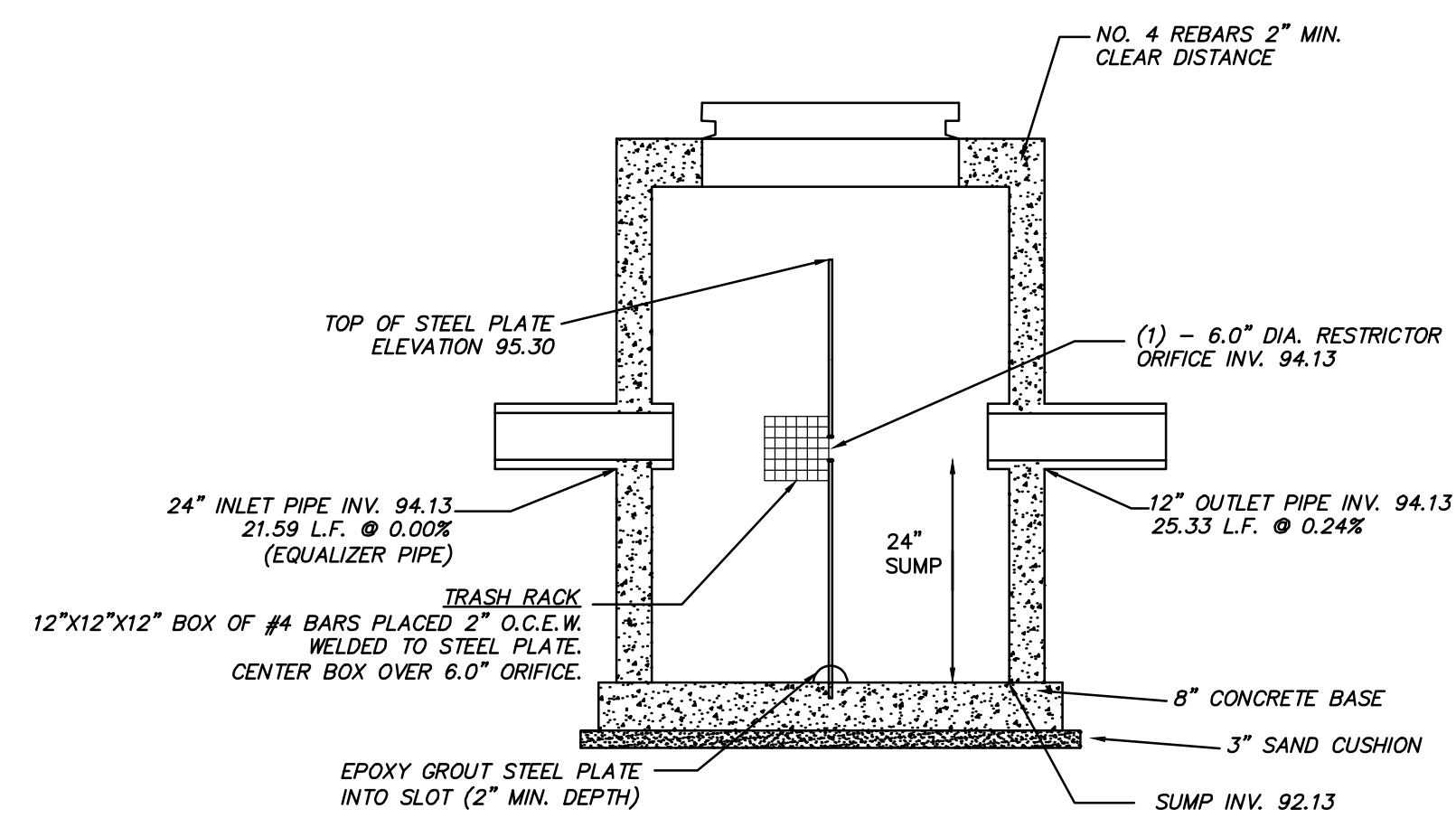
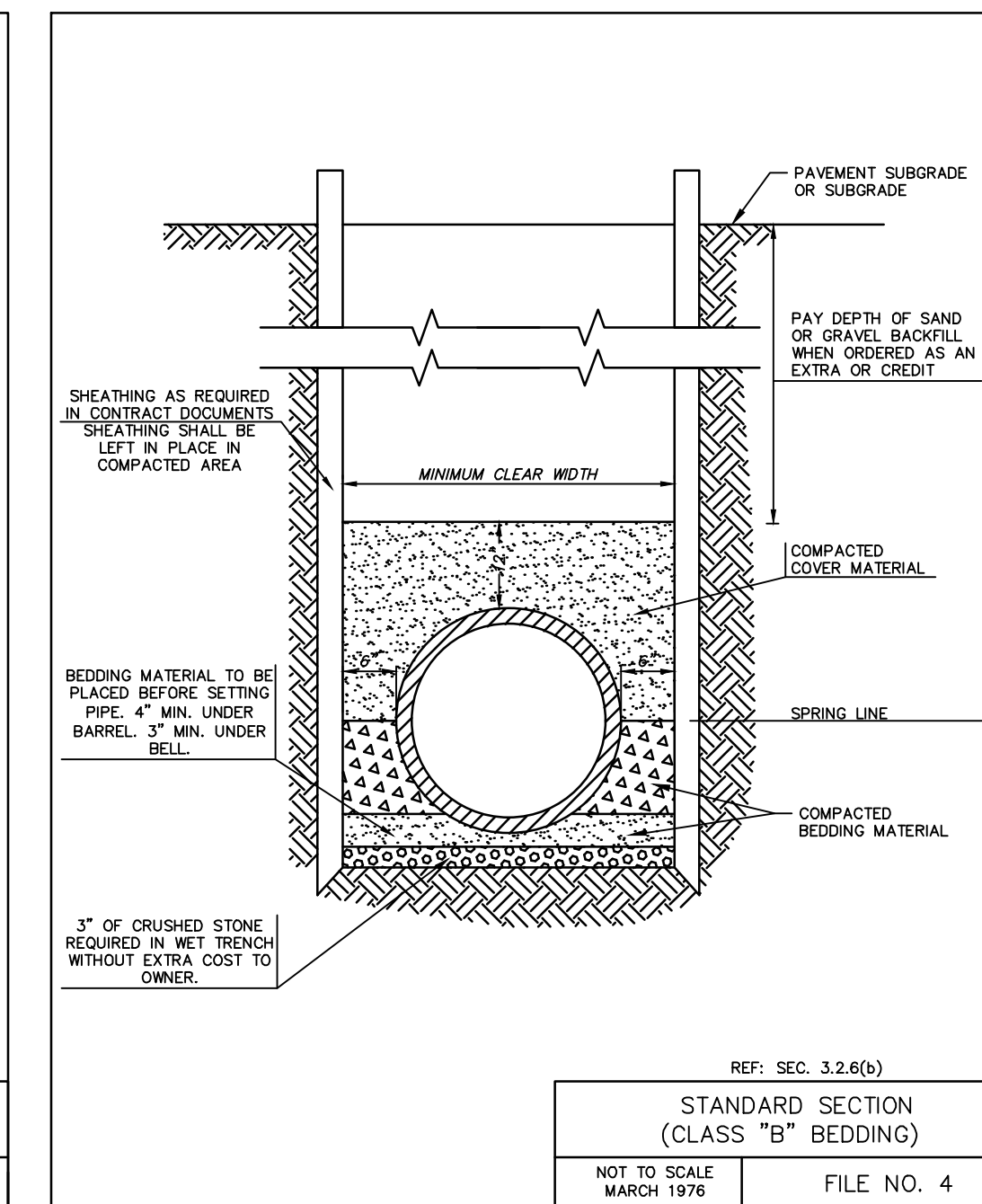
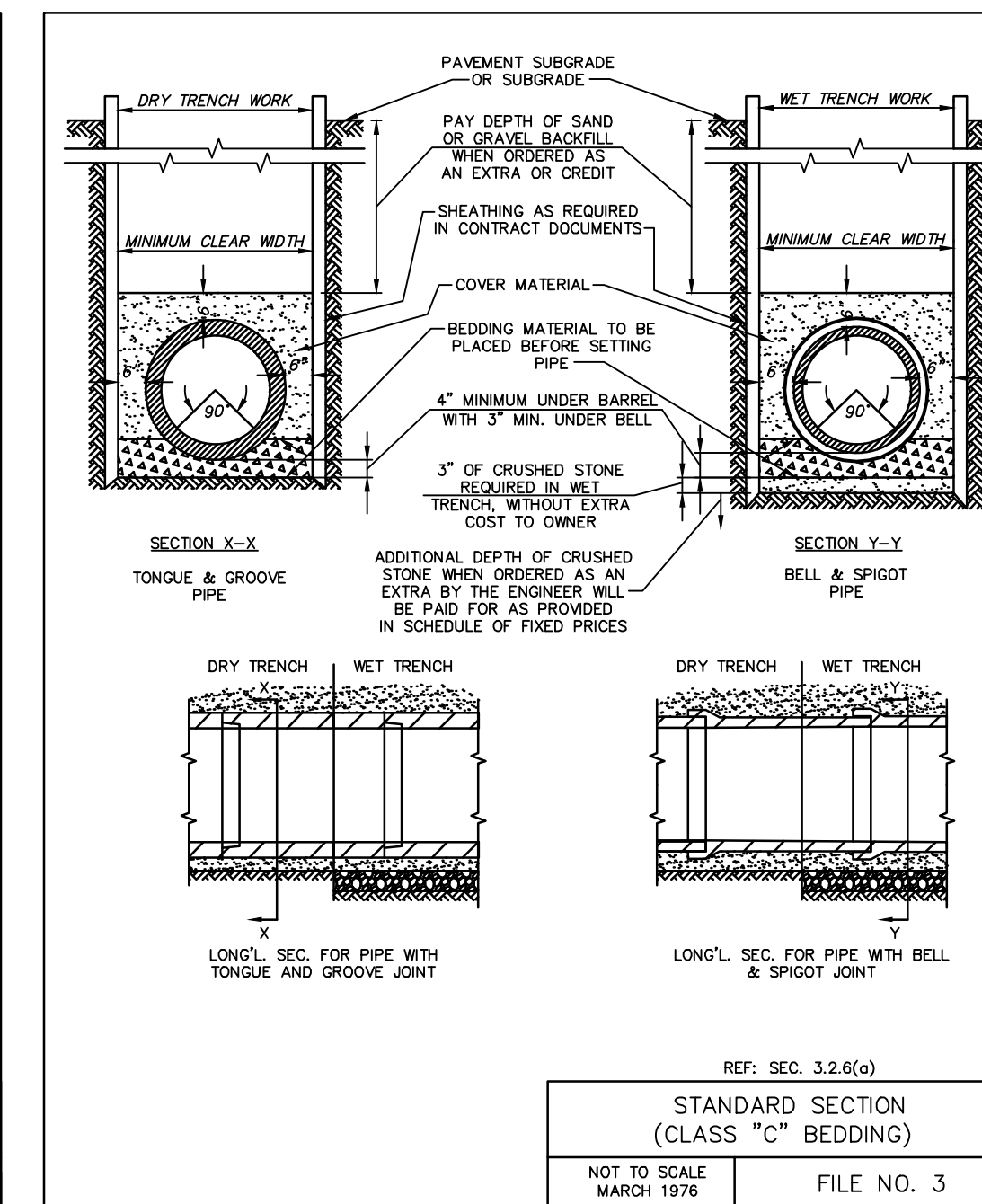
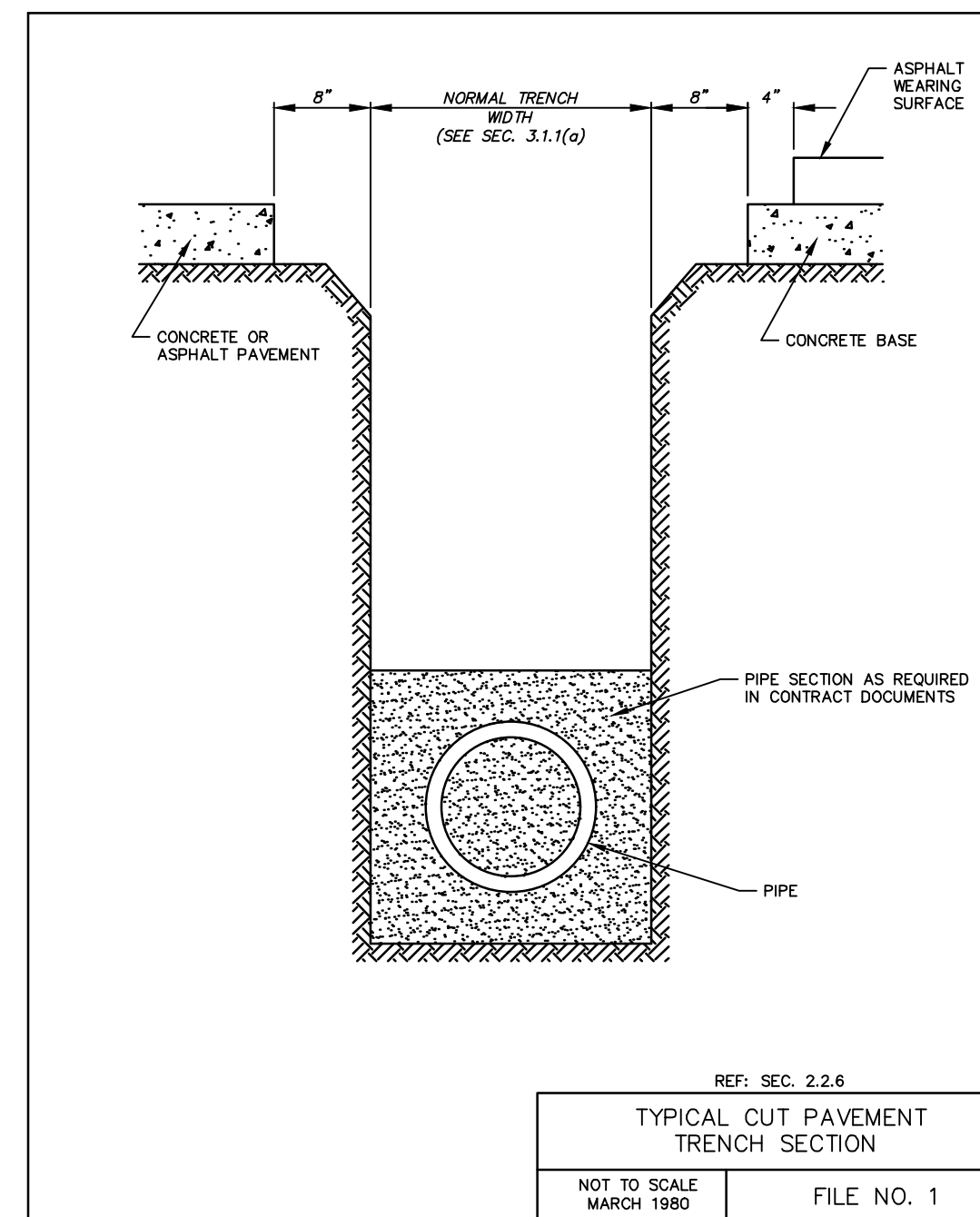
NISSAN WAUKESHA
CITY OF WAUKESHA, WISCONSIN

SITE DETAILS



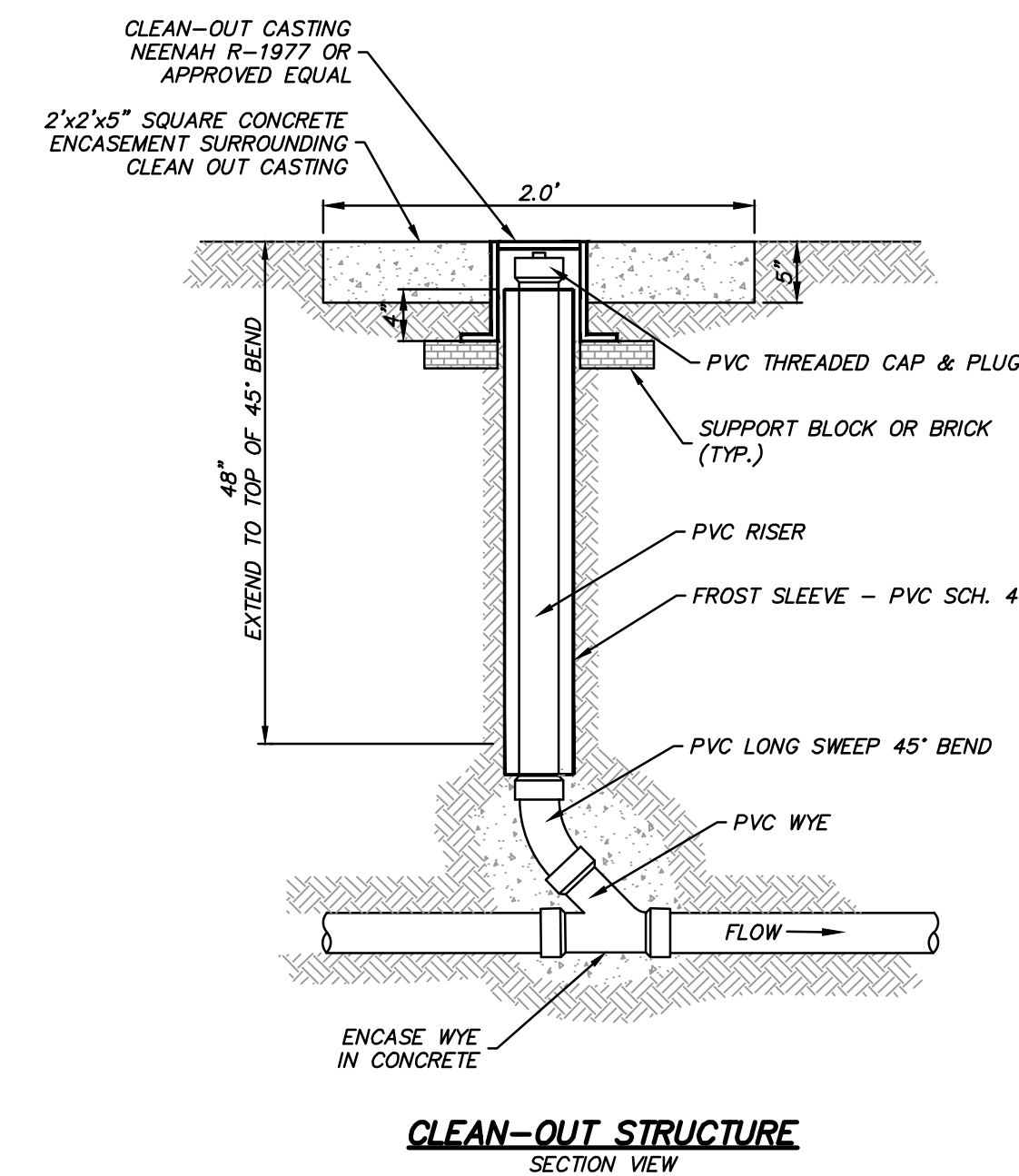
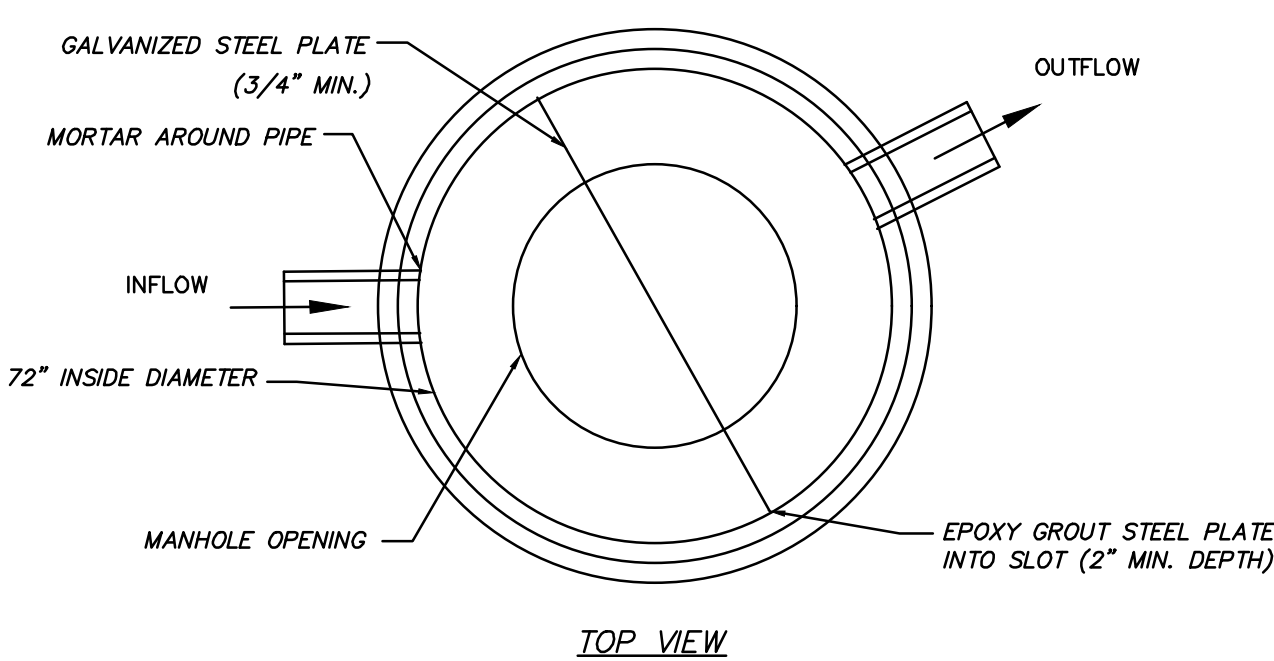
CITY OF WAUKESHA DEPARTMENT OF PUBLIC WORKS	STANDARD CONSTRUCTION DETAILS --CURB TAPER--	DETAIL NUMBER: 07-0252
APPROVED: ALEX DAMEN DATE: 12/13/2018	DRAWN BY: JEBEL DATE: 12/13/2018	PLOT SCALE: 3" = 1'
CHECKED BY: DATE:	PROJECT NO:	

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DATE: 5/30/2023
SCALE: N.T.S.
JOB NO. 3220213
PROJECT MANAGER: RYAN J. LANCOUR, P.E.
DESIGNED BY: CRR
CHECKED BY: RJL
SHEET NUMBER
C501



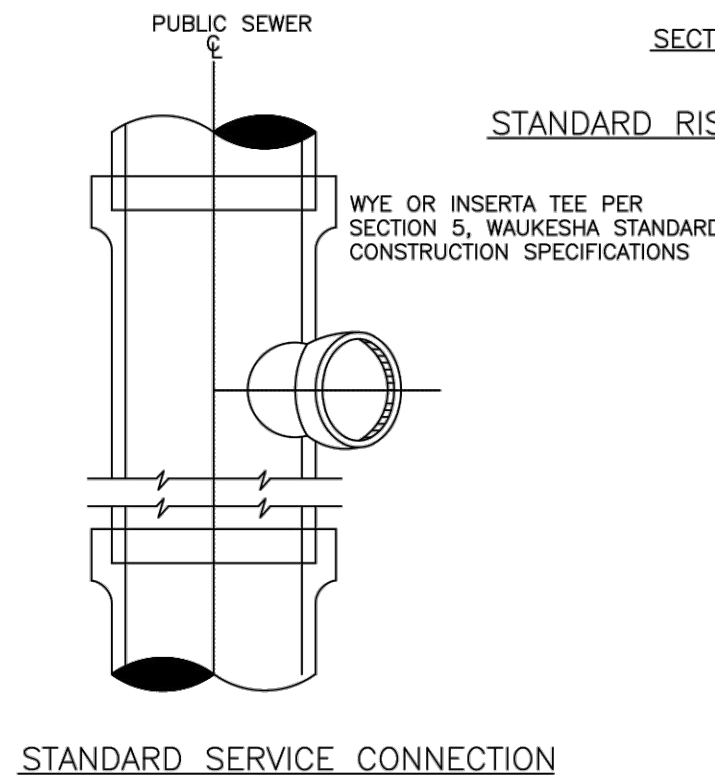
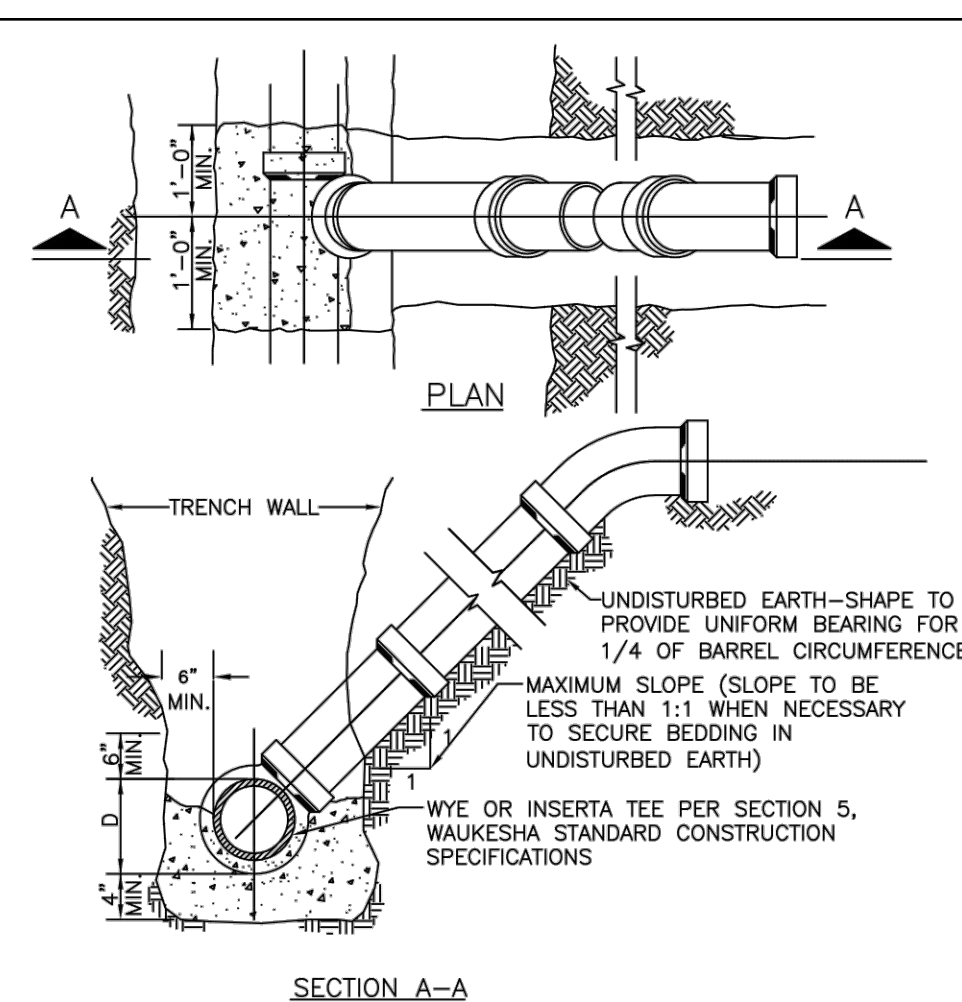
- NOTES:
- STRUCTURE SHALL BE CONSTRUCTED CONFORMING TO THE REQUIREMENTS OF ASTM C-478.
 - REINFORCING STEEL NOT SHOWN

STO 605 OUTLET STRUCTURE DETAIL

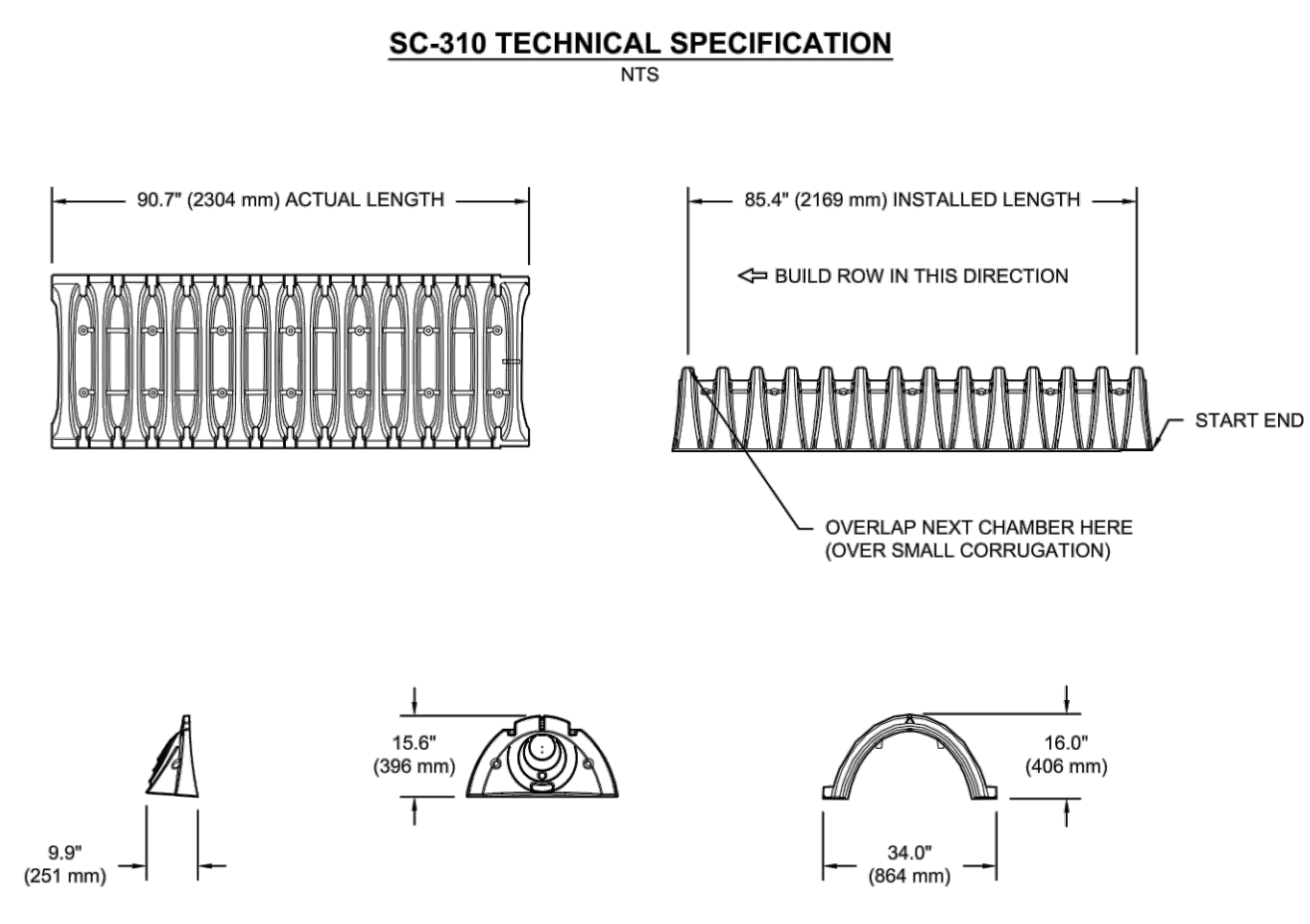
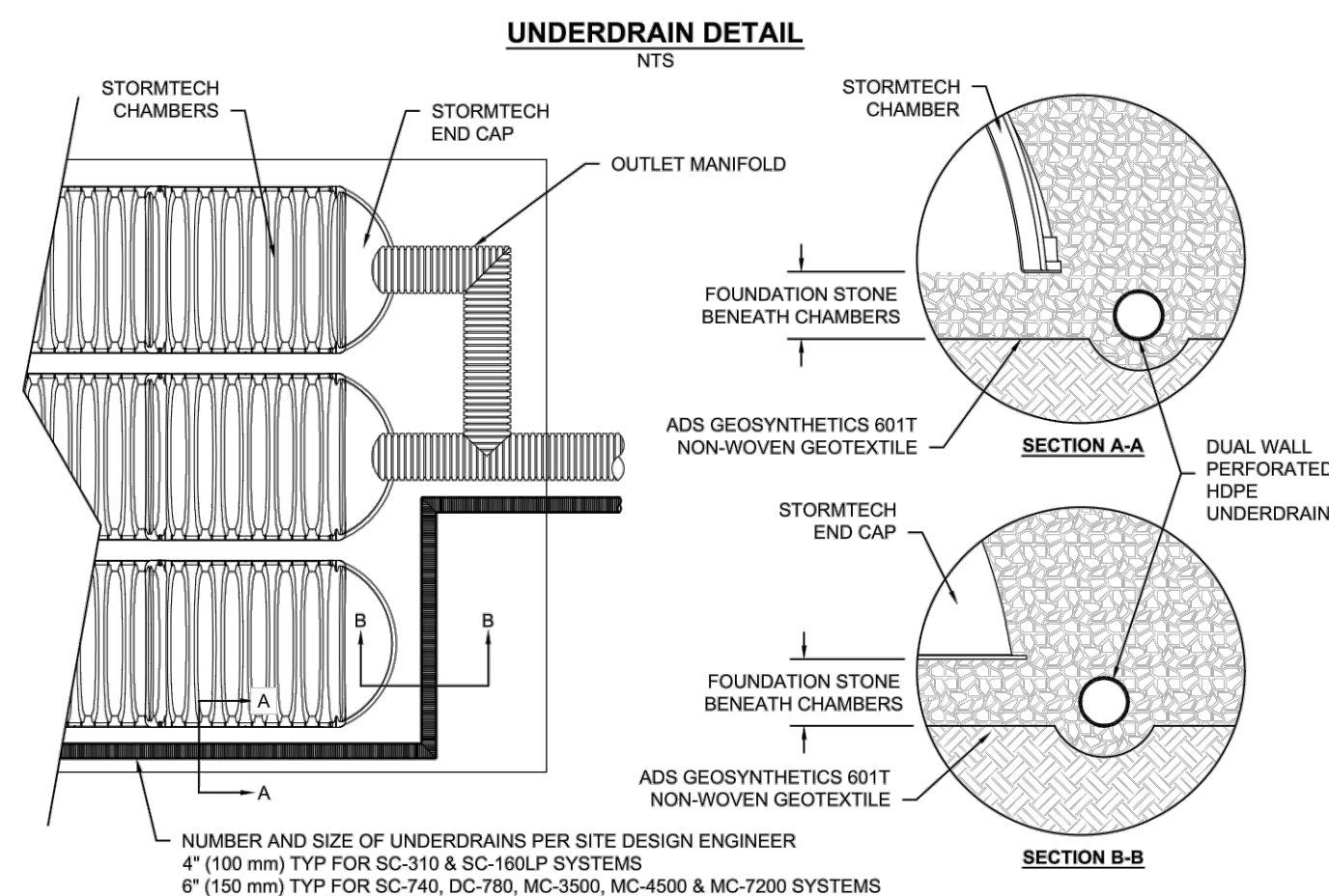


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DESCRIPTION	
DATE	
16745 W. Bluemound Road Brookfield, WI 53005-5938 (262) 781-1000 rasmith.com raSmith CREATIVITY BEYOND ENGINEERING Brookfield, WI Milwaukee, WI Appleton, WI Madison, WI Cedarburg, WI Naperville, IL Irvine, CA	
NISSAN WAUKESHA	UTILITY DETAILS
CITY OF WAUKESHA, WISCONSIN PROJECT MANAGER: RYAN J. LANCOUR, P.E. DESIGNED BY: CRR CHECKED BY: RJL SHEET NUMBER C502	



PART #	STUB	A	B	C
SC310EPE06T / SC310EPE06TPC	6" (150 mm)	9.6" (244 mm)	5.8" (147 mm)	---
SC310EPE08B / SC310EPE08BPC	---	---	---	0.5" (13 mm)
SC310EPE08T / SC310EPE08TPC	8" (200 mm)	11.9" (302 mm)	3.5" (89 mm)	---
SC310EPE08B / SC310EPE08BPC	---	---	---	0.6" (15 mm)
SC310EPE10T / SC310EPE10TPC	10" (250 mm)	12.7" (323 mm)	1.4" (36 mm)	---
SC310EPE10B / SC310EPE10BPC	---	---	---	0.7" (18 mm)
SC310ECEZ	12" (300 mm)	13.5" (343 mm)	---	0.9" (23 mm)

ALL STUBS, EXCEPT FOR THE SC310ECEZ ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC310ECEZ THE 12" (300 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 0.25" (6 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL

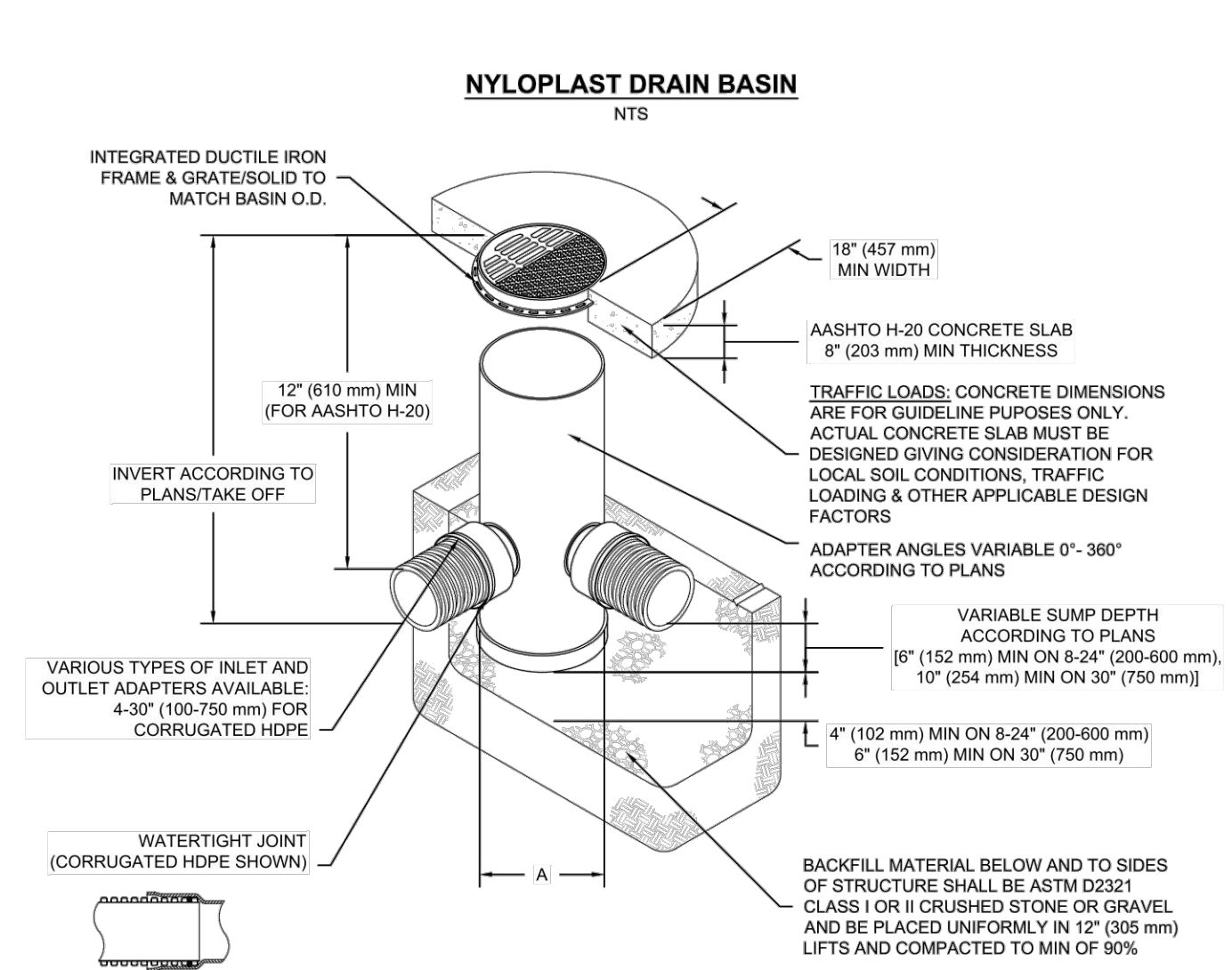
NISSAN WAUKESHA, WI, USA
DATE: 02/22/23 DRAWN: DDW
PROJECT #: 5338840 CHECKED: N/A

SYSTEM RECOMMENDED
DATE: 02/22/23 DRAWN: DDW
PROJECT #: 5338840 CHECKED: N/A

StormTech Chamber System
888-892-2694 | WWW.STORMTECH.COM
4640 TREILMAN BLVD HELLARD, OH 43026 1-800-735-7473

ADSS 4640 TREILMAN BLVD HELLARD, OH 43026 1-800-735-7473

SHEET 5 OF 6



A	PART #	GRATE/SOLID COVER OPTIONS
8"	2808AG	PEDESTRIAN LIGHT DUTY, STANDARD LIGHT DUTY, SOLID LIGHT DUTY
10"	2819AG	PEDESTRIAN LIGHT DUTY, STANDARD LIGHT DUTY, SOLID LIGHT DUTY
12"	2812AG	PEDESTRIAN AASHTO H-10, STANDARD AASHTO H-20, SOLID AASHTO H-20
15"	2815AG	PEDESTRIAN AASHTO H-10, STANDARD AASHTO H-20, SOLID AASHTO H-20
18"	2818AG	PEDESTRIAN AASHTO H-10, STANDARD AASHTO H-20, SOLID AASHTO H-20
24"	2824AG	PEDESTRIAN AASHTO H-10, STANDARD AASHTO H-20, SOLID AASHTO H-20
30"	2830AG	PEDESTRIAN AASHTO H-20, STANDARD AASHTO H-20, SOLID AASHTO H-20

NISSAN WAUKESHA, WI, USA
DATE: 02/22/23 DRAWN: DDW
PROJECT #: 5338840 CHECKED: N/A

StormTech Chamber System
888-892-2694 | WWW.STORMTECH.COM
4640 TREILMAN BLVD HELLARD, OH 43026 1-800-735-7473

ADSS 4640 TREILMAN BLVD HELLARD, OH 43026 1-800-735-7473

SHEET 6 OF 6

DESCRIPTION

DATE

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Brookfield, WI 53005-5938
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NISSAN WAUKESHA
CITY OF WAUKESHA, WISCONSIN
UNDERGROUND STORAGE DETAILS

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R.A. Smith, Inc.
DATE: 5/30/2023
SCALE: N.T.S.
JOB NO. 3220213
PROJECT MANAGER:
RYAN J. LANCOUR, P.E.
DESIGNED BY: CRR
CHECKED BY: RJL

SHEET NUMBER
C504

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DIVISION 1 – GENERAL REQUIREMENTS

- 01 41 00 – REGULATORY REQUIREMENTS
1. THE LATEST EDITIONS OF THE FOLLOWING DOCUMENTS AND ANY SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS ON THIS PLAN UNLESS OTHERWISE NOTED:
a. WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) STORM WATER TECHNICAL STANDARDS
b. WISCONSIN EROSION CONTROL PRODUCT ACCEPTABILITY LIST
c. STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN (SSSSWC)
d. WISCONSIN ADMINISTRATIVE CODE, SECTIONS SPS 382-387
e. WISCONSIN DEPARTMENT OF TRANSPORTATION (WISDOT) STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION
f. FEDERAL HIGHWAY ADMINISTRATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
g. WISCONSIN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD)
h. UNITED STATES DEPARTMENT OF JUSTICE ADA STANDARDS
i. UNITED STATES DEPARTMENT OF TRANSPORTATION ADA STANDARDS FOR TRANSPORTATION FACILITIES
j. MUNICIPALITY DEVELOPMENT STANDARDS
k. COUNTY DEVELOPMENT STANDARDS
2. THE OWNER, ENGINEER AND MUNICIPALITY SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF PERFORMING ANY CONSTRUCTION ACTIVITIES...
3. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING COPIES OF ALL PERMITS AND FOR ABIDING BY ALL PERMIT REQUIREMENTS AND RESTRICTIONS.
4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY...
5. SHOP DRAWINGS AND/OR MANUFACTURER'S PRODUCT DATA SUBMITTALS ARE REQUIRED ONLY IF THE PRODUCT OR METHOD OF CONSTRUCTION IS DIFFERENT FROM THAT SPECIFIED OR IF REQUIRED BY THE MUNICIPAL ENGINEER...

DIVISION 31 – EARTHWORK

- 31 10 00 – SITE CLEARING & DEMOLITION
1. WORK SHALL CONSIST OF DEMOLITION, ABANDONMENT, AND REMOVAL OF EXISTING FOUNDATIONS, WALLS, SLABS, FENCES, PIPING, PAVEMENTS, AND OTHER MANMADE ITEMS INTERFERING WITH NEW CONSTRUCTION...
31 20 00 – EARTH MOVING
1. WORK SHALL CONSIST OF STRIPPING AND STORAGE OF TOPSOIL, EXCAVATION, EMBANKMENT, IMPORTING OR EXPORTING MATERIAL TO ACHIEVE LAND BALANCE...
31 25 00 – EROSION & SEDIMENTATION CONTROLS
1. WORK SHALL CONSIST OF INSTALLATION OF TEMPORARY AND PERMANENT PRACTICES FOR SEDIMENTATION CONTROL, EROSION CONTROL, AND EROSION CONTROL PRACTICES THROUGHOUT THE PROJECT SITE...
31 32 00 – ASPHALT PAVING
1. WORK SHALL CONSIST OF FINE GRADING SUBGRADE, EXCAVATION BELOW SUBGRADE (IF NECESSARY), PLACEMENT OF CRUSHED STONE BASE, INSTALLATION OF HOT-MIX ASPHALT, PAVEMENT MARKING, SIGNAGE, AND CLEANUP...

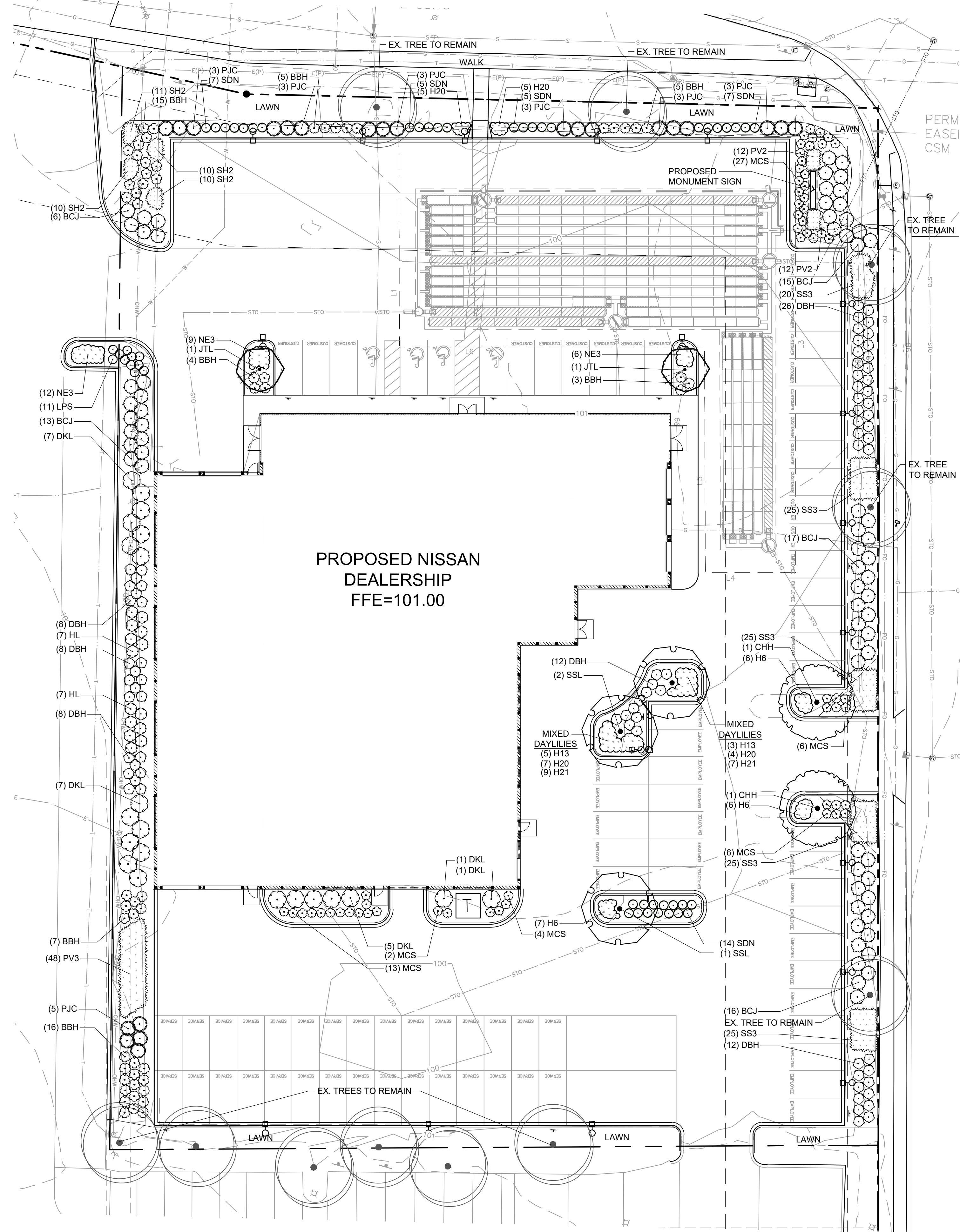
DIVISION 32 – EXTERIOR IMPROVEMENTS

- 14. EDGES OF CONCRETE PAVEMENT, CURBING, SIDEWALK, PATIOS, AND JOINTS SHALL BE TOoled IN CONCRETE AFTER INITIAL FLOATING WITH AN EDGING TOOL...
32 17 00 – PAVEMENT MARKING & SIGNAGE
1. WORK SHALL CONSIST OF INSTALLATION OF PARKING LOT STRIPING, DIRECTION ARROWS, HANDICAP ACCESSIBLE SYMBOLS AND SITE SIGNAGE...
32 32 00 – RETAINING WALLS
1. WORK SHALL CONSIST OF FURNISHING DETAILED DESIGN, MATERIALS, LABOR, EQUIPMENT, SUPERVISION, AND DIRECTION TO CONSTRUCT RETAINING WALL SYSTEMS IN REASONABLY CLOSE CONFORMITY TO THE LINES, GRADES, AND DIMENSIONS SHOWN ON THIS PLAN...
32 30 00 – WATER DISTRIBUTION
1. WORK SHALL CONSIST OF INSTALLATION AND TESTING OF THE WATER DISTRIBUTION SYSTEM AND ALL APPURTENANCES...
32 33 00 – SANITARY SEWERAGE
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DIVISION 33 – UTILITIES

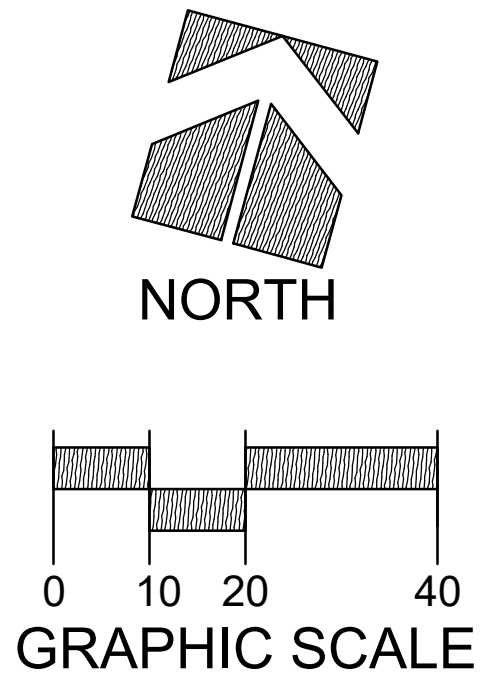
- 13. TRACER WIRE SHALL BE GREEN AND INSTALLED IN ACCORDANCE WITH SECTION 2.11.2 OF SSSWC ON ALL BURIED NON-METALLIC PUBLIC SANITARY SEWER PRIVATE INTERCEPTOR PIPE AND BUILDING SANITARY SERVICE PIPE...
33 40 00 – STORMWATER DRAINAGE
1. WORK SHALL CONSIST OF INSTALLATION AND TESTING OF THE STORMWATER DRAINAGE SYSTEM AND ALL APPURTENANCES...
SEQUENCE OF CONSTRUCTION
1. TO OBTAIN CITY STORM WATER PERMIT AND PERFORM WEEKLY EROSION CONTROL INSPECTIONS AND SUBMIT INSPECTIONS TO CITY EROSION CONTROL INSPECTOR...
2. INSTALL ROCK CONSTRUCTION ENTRANCES...
3. INSTALL SILT FENCE AS SHOWN ON THE PLAN...
4. INSTALL STORM DRAIN INLET PROTECTION ON EXISTING INDICATED STORM INLETS...
5. STRIP TOPSOIL AND GRADE SITE IN INCREMENTS APPROPRIATE TO WORK WHILE MAINTAINING SEDIMENTATION AND EROSION CONTROL PRACTICES IN CONFORMANCE WITH LOCAL AND STATE GUIDELINES...
6. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL BMPs AS NOTED WHEN SITE WORK AND GRADING ALLOWS...
7. CONSTRUCT UTILITIES AND INSTALL ADDITIONAL STORM DRAIN INLET PROTECTION TO INLETS AS SOON AS THEY ARE CONSTRUCTED...
8. TEMPORARILY SEED AND MULCH SITE...
9. PREPARE PARKING LOT SUBGRADE, INSTALL CURB AND GUTTER AND PAVE SITE...
10. APPLY SEED, FERTILIZER, AND MULCH TO LANDSCAPE LAWN AREAS AS SOON AS POSSIBLE...
11. FLUSH STORM SEWER...
13. AT END OF PROJECT, COORDINATE PERMIT TERMINATION WITH CITY EROSION INSPECTOR...
SHEET NUMBER
C600

DESCRIPTION, DATE, 16745 W. Blenheim Road, Brookfield, WI 53005-9398, [262] 781-1000, rasmith.com, rosmith, NISSAN WAKUESHA, CITY OF WAKUESHA, WISCONSIN, SPECIFICATIONS, R.A. SMITH, INC., DATE: 5/30/2023, SCALE: N.T.S., JOB NO. 222013, PROJECT MANAGER: RYAN J. LANCOUR, P.E., DESIGNED BY: CRR, CHECKED BY: RJL, SHEET NUMBER C600




PLANT SCHEDULE SITE

DECIDUOUS TREES	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	REMARKS
CHH	2	Chicagoland Hackberry	Celtis occidentalis 'Chicagoland'	2" CAL	B&B	Full, matching heads
SSL	3	Sweet Street Linden	Tilia americana 'Kromm'	2" CAL	B&B	Full, matching heads
ORNAMENTAL TREES	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	REMARKS
JTL	2	Ivory Silk Japanese Tree Lilac	Syringa reticulata 'Ivory Silk'	2" CAL	B&B	Full, matching heads
DECIDUOUS SHRUBS	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	REMARKS
SDN	38	Nikko Slender Deutzia	Deutzia gracilis 'Nikko'	15" HT	CONT.	
DBH	74	Dwarf Bush Honeysuckle	Diervilla lonicera	15" HT	CONT.	
BBH	55	BoBo Hydrangea	Hydrangea paniculata 'ILVOBO'	24" HT	CONT.	
HL	14	Little Quick Fire Hydrangea	Hydrangea paniculata 'Little Quick Fire'	24"	CONT.	
MCS	58	Magic Carpet Spirea	Spiraea japonica 'Magic Carpet'	15" HT	CONT.	
LPS	11	Little Princess Spirea	Spiraea x japonica 'Little Princess'	15" HT	CONT.	
DKL	21	Dwarf Korean Lilac	Syringa meyeri 'Palibin'	24" HT	CONT.	
EVERGREEN SHRUBS	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	REMARKS
PJC	23	Kallay Compact Pfitzer Juniper	Juniperus chinensis 'Kallays Compact'	18"SPD	CONT.	
BCJ	67	Blue Chip Juniper	Juniperus horizontalis 'Blue Chip'	18"SPD	CONT.	
ORNAMENTAL GRASSES	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	REMARKS
PV2	24	Cheyenne Sky Switch Grass	Panicum virgatum 'Cheyenne Sky'	1 GAL	POT	18" Spacing
PV3	48	Heavy Metal Switch Grass	Panicum virgatum 'Heavy Metal'	1 GAL	POT	30" Spacing
SS3	120	Carousel Little Bluestem Grass	Schizachyrium scoparium 'Carousel'	1 GAL	POT	24" Spacing
SH2	41	Tara Prairie Dropped	Sporobolus heterolepis 'Tara'	1 GAL	POT	18" Spacing
PERENNIALS	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	REMARKS
H6	19	Little Business Daylily	Hemerocallis x 'Little Business'	1 GAL	POT	24" Spacing
H13	8	Mini Pearl Daylily	Hemerocallis x 'Mini Pearl'	4 1/2"	POT	18" Spacing
H20	21	Rosy Returns Daylily	Hemerocallis x 'Rosy Returns'	1 GAL	POT	18" Spacing
H21	16	Stella de Oro Daylily	Hemerocallis x 'Stella de Oro'	4 1/2"	POT	18" Spacing
NE3	27	Walkers Low Catmint	Nepeta x rassenii 'Walkers Low'	4 1/2"	POT	24" Spacing

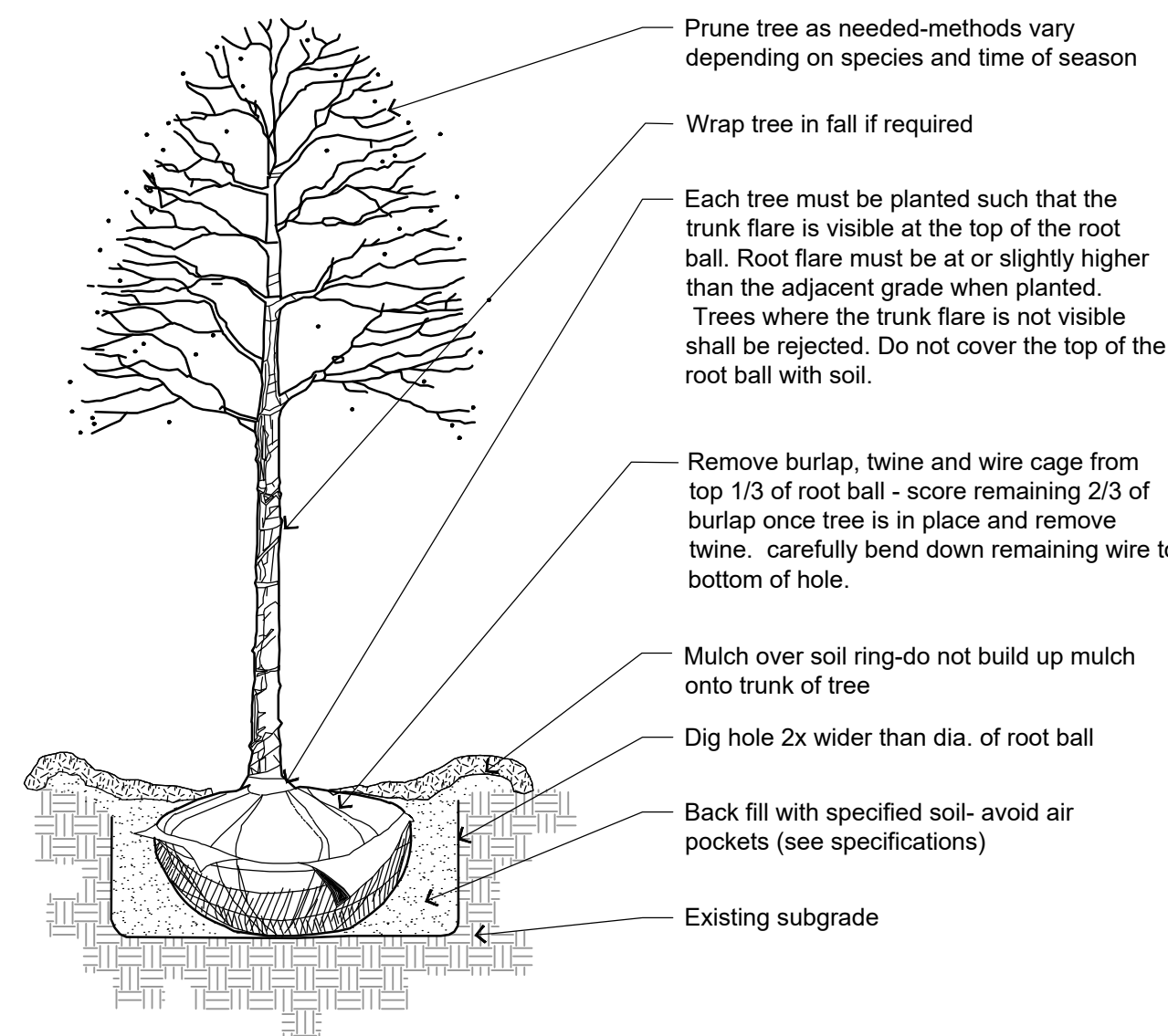


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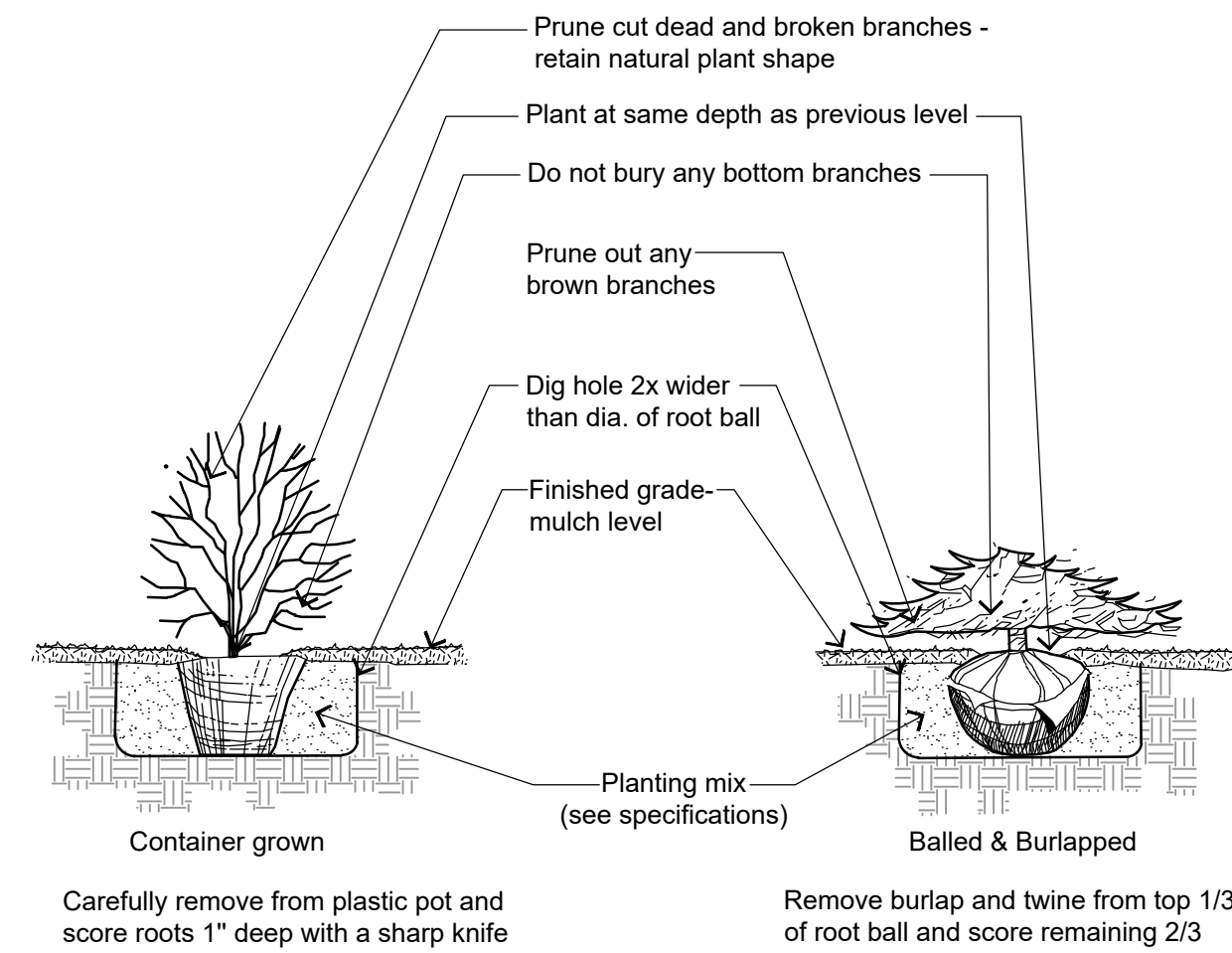
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DESCRIPTION	
DATE	
<p>16745 W. Bluemound Road Brookfield, WI 53005-5938 (262) 781-1000 rasmith.com</p>  <p>CREATIVITY BEYOND ENGINEERING</p> <p>Brookfield, WI Milwaukee, WI Appleton, WI Madison, WI Cedarburg, WI Naperville, IL Irvine, CA</p>	
<p>NISSAN WAUKESHA CITY OF WAUKESHA, WISCONSIN LANDSCAPE PLAN</p>	
<p>© COPYRIGHT 2023 R.A. Smith, Inc. DATE: 5/30/2023 SCALE: 1" = 20' JOB NO. 3220213 PROJECT MANAGER: RYAN J. LANCOUR, P.E. DESIGNED BY: NJW CHECKED BY: RJL</p>	
<p>SHEET NUMBER L100</p>	

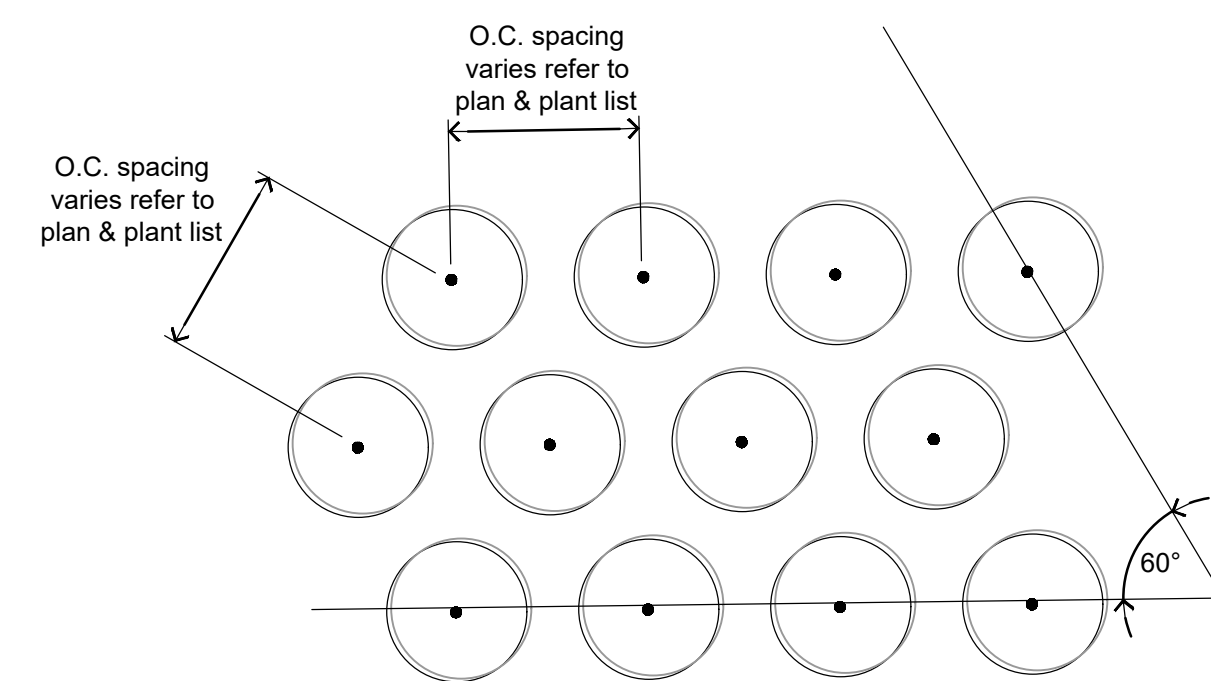
PLANTING DETAILS



1 DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE

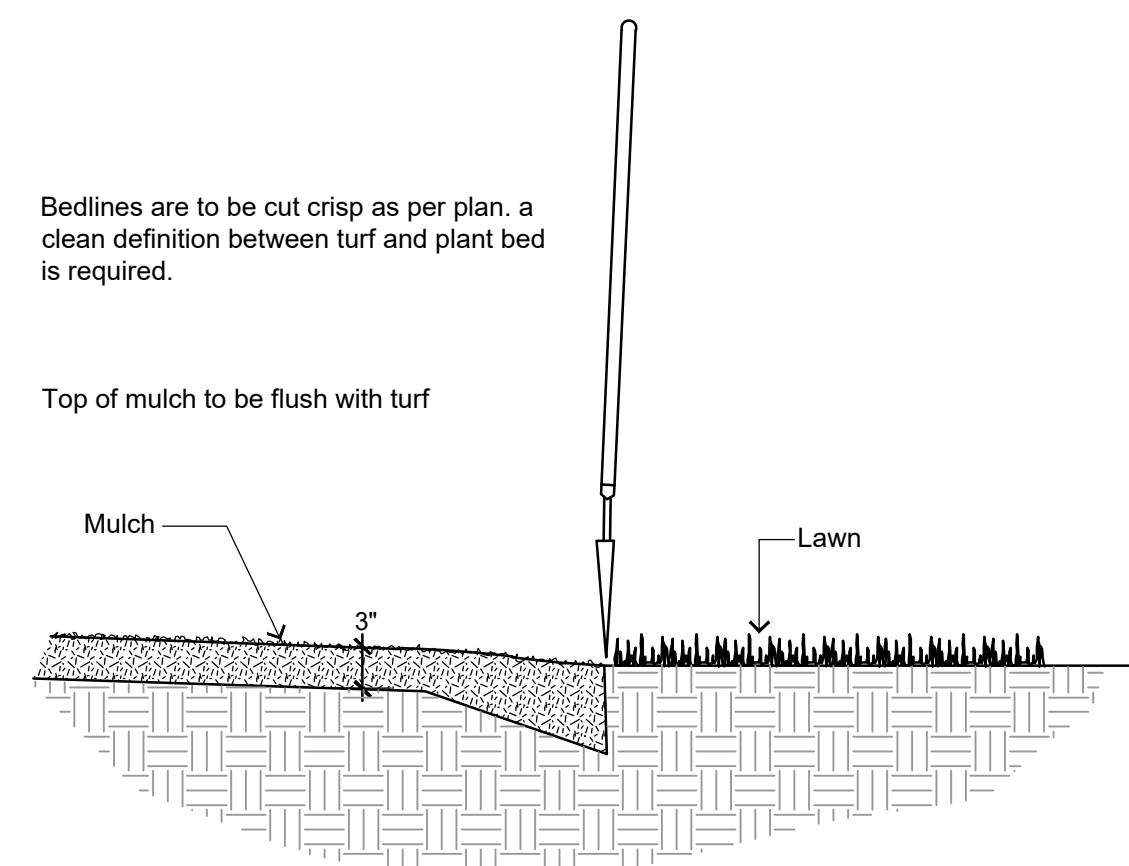


2 SHRUB PLANTING DETAIL
NOT TO SCALE



3 PLANTING LAYOUT
NOT TO SCALE

ras-1-3220213-02



4 SHOVEL CUT PLANT BED EDGING DETAIL
NOT TO SCALE

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DIVISION 1 - GENERAL REQUIREMENTS

01 5 00 Substitution Procedures

1. Any potential plant substitutions must be submitted in writing to the general contractor and approved by the owner's representative or prior to installation. All plants must be installed as per sizes and quantities shown on plant material schedule, unless approved by owner's representative. Any potential changes to sizes shown on plan and appropriate cost credits / adjustments must be submitted in writing to the general contractor and approved by the owner's representative prior to installation.

01 11 13 Work Covered by Contract Documents

1. Warranty and replacements: All plants (trees, evergreens, shrubs, perennials and ornamental grasses) shall be warranted by the landscape contractor to be in healthy and flourishing condition for a period of one calendar year after the date of acceptance. This assumes the owner performs required maintenance (i.e. regular watering) after the landscape contractor's maintenance period has been completed. Landscape contractor shall inform owner when required maintenance has concluded. 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. Replacements shall be plants of the same variety specified on the plan and closely match adjacent specimens in size.

2. The landscape contractor is responsible for the watering and maintenance of all landscape areas at time of planting, throughout construction and until the substantial completion of the installation and acceptance by the owner. This includes all trees, shrubs, evergreens, perennials, ornamental grasses and turf grass. Work also includes weeding, edging, mulching (only if required), fertilizing, trimming, mowing lawn areas, sweeping up grass clippings, pruning and deadheading.

3. Upon substantial completion of the project, landscape contractor is responsible to conduct a final review of the project with the owner's representative and the general contractor to answer questions and insure that all specifications have been met. The landscape contractor shall provide watering and general ongoing maintenance instructions (in writing) for the new plantings and lawn areas.

01 2 16 Work Sequence

1. Contractor responsible for contacting public and private underground utility locating service to have site marked prior to any digging or earthwork.

2. Contractor to verify all plant quantities shown on plant list and verify with plan. Report any discrepancies immediately to general contractor. Inform landscape architect and general contractor of date(s) when planting shall commence.

DIVISION 32 - EXTERIOR IMPROVEMENTS

32 91 00 - PLANTING PREPARATION

32 91 13 Soil Preparation

1. Areas to be seeded: remove / kill off any existing unwanted vegetation prior to seeding with a glyphosate herbicide, applied only by a state certified applicator no sooner than 2 weeks prior to seed installation. Prepare seed bed areas to a maximum depth of 1 inch. Prepare the topsoil by removing all surface stones 1" or larger. Soil's surface should be loose and free of any soil clumps exceeding 1 inch in diameter. Do not fertilize native seeding areas.

2. Erosion control measures are to be used in swales and on steep grades, where applicable.

3. Plant bed preparation: the soil in all perennial and ornamental grass areas shall be amended with compost prior to plant installation. Spread a 2" layer of compost (per note below) on top of clean topsoil and rototill to a depth of approximately 8".

4. Compost shall be stable, and weed-free organic matter. It shall be resistant to further decomposition and free of compounds, such as ammonia and organic acids, in concentrations toxic to plant growth. The compost shall contain no pathogens or other chemical contaminants and meet the requirements of WisDNR S100 Compost Specification.

32 91 13.16 Mulching

1. All tree and shrub planting beds to receive a 3" deep layer of high quality shredded hardwood bark mulch (not enviromulch or wood chips). Mulch shall be uniform in size, color, quality and overall appearance. Mulch shall be free of debris, large wood chunks, soil, rocks, weeds, invasive plant parts or seeds and any other material injurious to plant growth. All perennial and ornamental grass planting areas to receive a 2" layer of the same mulch. Do not allow mulch to contact plant stems and tree trunks.

32 91 19 LANDSCAPE GRADING

32 91 19.13 Topsoil Placement and Grading

1. The subsequent requirements regarding topsoil should be coordinated between the general contractor, grading contractor and landscape contractor.

2. Subgrade areas shall be graded to within 1", more or less, of proposed subgrade. Deviations shall not be consistent in one direction.

3. Topsoil shall be placed to meet proposed finished grade. Planting islands to be backfilled with screened topsoil (per note below) to a minimum depth of 18" by general / grading contractor to insure long term plant health. All other landscaped areas to receive a minimum depth of 3" of clean topsoil (per note below).

4. Topsoil shall be: screened existing stockpiled topsoil, existing in-place soil, or screened soil from an off-site source that will support plant growth, and meets the following requirements. Clean topsoil shall be free of rocks, coarse fragments, gravel, sticks, trash, roots, debris over 3/4" and any substances harmful to plant growth. It also must be free of plants or plant parts of any noxious weeds. Topsoil shall contain 3 to 5 percent decomposed organic matter and a pH between 5.5 and 7.0.

5. Planting beds and parking lot islands: Landscape contractor is responsible for ensuring that unwanted material (gravel, debris, roots and other extraneous material harmful to plant growth) has been removed from the topsoil and for the fine grading of all landscaped areas. The fine grading of planting beds and parking lot islands may require additional topsoil to bring to finish grade, allowing for mulch depth. Crown all planting islands and planting beds not adjacent to buildings, a minimum of 6" to provide proper drainage, unless otherwise specified. All other finished landscaped areas to be smooth, uniform and provide positive drainage away from structures and pavement.

6. Seeded areas: to receive a settled minimum depth of 3" of blended, prepared and non-compacted topsoil. Landscape contractor is responsible for excavation and removal of unwanted material (gravel, debris, roots and other extraneous material harmful to plant growth) to the specified depth, supplementing with additional topsoil (if necessary) and the fine grading of all seeded areas.

32 92 00 - TURF AND GRASSES

32 92 19 Seeding

1. Seed for lawn areas - use only a premium quality seed mix. Premium blend seed mix example (or equivalent): 50% blended bluegrass, 25% creeping red fescue, 25% perennial rye applied at 5 lbs per 1,000 SF or at recommended rates from supplier. Provide seed specifications to general contractor prior to installation.

2. Erosion control measures are to be used in swales and on steep grades, where applicable.

3. If straw mulch is used as a covering for seeding, a tackifier may be necessary to avoid wind damage.

4. 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 and evenly seeded native areas.

5. An acceptable quality seed installation is defined as having:

- a. No bare spots larger than 1/2 square foot
- b. No more than 5% of the total area with bare spots larger than 1/2 square foot
- c. A uniform coverage throughout all areas

32 93 00 - PLANTS

1. 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.

32 93 33 Shrubs

1. Shrubs shall be planted per planting details.

2. All shrubs to be pocket planted with a mix of 75% existing soil removed from excavation and 25% compost, blended prior to backfilling holes.

3. When hole is two-thirds full, shrubs shall be watered thoroughly and water left to soak in before proceeding.

32 93 43 Trees

1. Trees shall be planted per planting details.

2. Plant all trees slightly higher than finished grade at root flare. Remove excess soil from top of root ball, if needed.

3. Scarify side walls of tree pit prior to installation.

4. Remove and discard non-biodegradable ball wrapping and support wire. Remove biodegradable burlap and wire cage (if applicable) from top one-third (1/3) of root ball. Carefully bend remaining wire down to the bottom of the hole once the tree has been placed into the hole and will no longer be moved. Biodegradable burlap and twine is preferred over non-biodegradable ball-wrapping.

5. Score the remaining two-thirds of burlap and remove twine.

6. Backfill tree planting holes with 75% existing soil removed from excavation and 25% compost blended prior to backfilling holes. Avoid any air pockets and do not tamp soil down. Discard any gravel, heavy clay or stones.

7. When hole is two-thirds full, trees shall be watered thoroughly and water left to soak in before proceeding.

8. Provide a 3" deep, 4 ft. Diameter shredded hardwood bark mulch ring around all trees. Do not build up any mulch onto trunk of any tree.

9. Trees that are installed incorrectly will be replaced at the time and expense of the landscape contractor.

10. Trees too large for two people to lift in and out of holes, shall be placed with sling. Do not rock the trees in holes to raise them.

11. Stake trees per detail and remove at the end of the one year warranty period.

32 94 00 - PLANTING ACCESSORIES

32 94 13 Landscape Edging

1. Edge 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 and plant bed is required.

DESCRIPTION	DATE

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CREATIVITY BEYOND ENGINEERING

Brookfield, WI | Milwaukee, WI | Appleton, WI | Madison, WI
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NISSAN WAUKESHA
CITY OF WAUKESHA, WISCONSIN

LANDSCAPE
NOTES AND DETAILS

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DATE: 5/30/2023

SCALE: NTS

JOB NO. 3220213

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

DESIGNED BY: NJW

CHECKED BY: RJL

SHEET NUMBER

L200