

**SECTION 00 01 15**  
**LIST OF DRAWING SHEETS**

**VOLUME 1 DRAWING SHEETS**

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**00 GENERAL**

G001 VOLUME 1 COVER SHEET

20W-219 TOPOGRAPHIC SURVEY – INFORMATIONAL ONLY (Addendum 01, Revised 2/4/2021)

**01 CIVIL**

C1.0 DEMOLITION PLAN

C2.0 SITE PLAN

C3.0 GRADING & EROSION CONTROL PLAN

C3.1 DETAILED GRADING PLAN

C4.0 UTILITY PLAN

C5.0 DETAILS

C5.1 DETAILS

**02 LANDSCAPE**

L1.0 LANDSCAPE PLAN

L1.1 MUNICIPAL LANDSCAPE REQUIREMENTS

L2.0 LANDSCAPE DETAILS & NOTES

**03 ARCHITECTURAL**

AG001 CODE INFORMATION

AG002 GENERAL DRAWING INFORMATION

AG003 EXTERIOR WALL, FLOOR, & ROOF TYPES & SPEC'S

AG004 INTERIOR WALL TYPES

AD101 DEMOLITION PLANS

AD201 DEMOLITION ELEVATIONS

AD701 DEMOLITION REFLECTED CEILING PLANS

A101 OVERALL FLOOR PLANS

A111 ENLARGED FLOOR PLANS

A112 ENLARGED FLOOR PLANS

A121 ROOF PLAN

A141 VERTICAL CIRCULATION PLANS, SECTIONS, AND DETAILS

A142 VERTICAL CIRCULATION PLANS, SECTIONS, AND DETAILS

A143 VERTICAL CIRCULATION PLANS, SECTIONS, AND DETAILS

A201 EXTERIOR ELEVATIONS

A301 BUILDING SECTIONS

A302 BUILDING SECTIONS

A311 WALL SECTIONS

A312 WALL SECTIONS

A313 WALL SECTIONS

A314 WALL SECTIONS

A315 WALL SECTIONS  
A316 WALL SECTIONS  
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A342 SECTION DETAILS  
A343 SECTION DETAILS  
A344 SECTION DETAILS  
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A352 PLAN DETAILS  
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A601 INTERIOR ELEVATIONS  
A602 INTERIOR ELEVATIONS  
A603 INTERIOR ELEVATIONS  
A701 REFLECTED CEILING PLANS  
A801 FINISH FLOOR PLANS  
A811 DOOR, WINDOW, AND FINISH INFORMATION

**04 STRUCTURAL**

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S002 STRUCTURAL GENERAL NOTES  
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S201 1ST FLOOR AND MEZZANINE FRAMING PLAN  
S202 ROOF FRAMING PLAN  
S301 FOUNDATION DETAILS  
S302 FOUNDATION DETAILS  
S303 FOUNDATION DETAILS  
S401 WOOD WALL DETAILS  
S402 WOOD LATERAL DETAILS  
S403 WOOD FRAMING DETAILS  
S404 FRAMING DETAILS  
S501 ROOF FRAMING DETAILS

**VOLUME 2 DRAWING SHEETS**

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**00 GENERAL**

G002 VOLUME 2 COVER SHEET

**05 FIRE SUPPRESSION**

FX100 OVERALL FIRE SUPPRESSION FLOOR PLANS  
FX101 FIRE SUPPRESSION PLAN - ATTIC LEVEL  
FX500 FIRE SUPPRESSION DETAILS, NOTES, SCHEDULES, AND SYMBOLS

**06 PLUMBING**

PD100 UNDERSLAB PLUMBING DEMOLITION PLAN  
PD101 PLUMBING DEMOLITION PLANS  
P100 UNDERSLAB PLUMBING PLAN  
P101 PLUMBING FLOOR PLANS

P400 PLUMBING ISOMETRICS  
P500 PLUMBING DETAILS  
P510 PLUMBING SCHEDULES, NOTES AND DETAILS

**07 MECHANICAL**

HD101 OVERALL HVAC DEMOLITION PLANS  
H101 OVERALL PIPING PLANS  
H201 OVERALL DUCTWORK PLANS  
H202 HVAC PLAN - ATTIC LEVEL  
H300 HVAC SECTIONS  
H500 HVAC CONTROLS  
H510 HVAC DETAILS  
H520 HVAC SCHEDULES  
H530 HVAC NOTES AND SCHEDULES

**08 ELECTRICAL**

ED101 OVERALL ELECTRICAL DEMOLITION PLAN  
E101 OVERALL LIGHTING PLANS  
E102 LIGHTING PLAN ATTIC LEVEL  
E201 OVERALL POWER PLANS  
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E300 ELECTRICAL SITE PLAN  
E500 ELECTRICAL SCHEMATIC RISER INFORMATION  
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E530 ELECTRICAL DETAILS  
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E532 ELECTRICAL DETAILS  
E540 ELECTRICAL NOTES AND SYMBOLS  
E533 ELECTRICAL DETAILS

**09 FIRE ALARMS**

FA101 OVERALL FIRE ALARM PLANS  
FA500 FIRE ALARM NOTES, SYMBOLS AND DETAILS

**09 TECHNOLOGY**

T101 OVERALL TECHNOLOGY PLANS  
T102 TECHNOLOGY PLAN ATTIC LEVEL  
T400 ENLARGED TELECOM ROOM  
T500 TECHNOLOGY SCHEMATICS  
T510 TECHNOLOGY SCHEDULES AND DETAILS  
TY101 OVERALL SECURITY PLANS  
TY500 SECURITY DETAILS AND SCHEDULES

**END OF SECTION**

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# DANE COUNTY SHERIFF SE PRECINCT REMODEL

## CONSTRUCTION DRAWINGS

FEBRUARY 2, 2021

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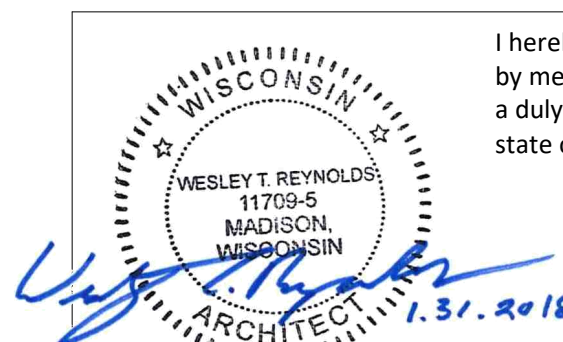
RE-ISSUED SHEETS

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S403	WOOD FRAMING DETAILS
S404	FRAMING DETAILS
S501	STEEL FRAMING PLAN



VIEW OF BUILDING FROM CORNER OF VETERANS ROAD AND HWY 51



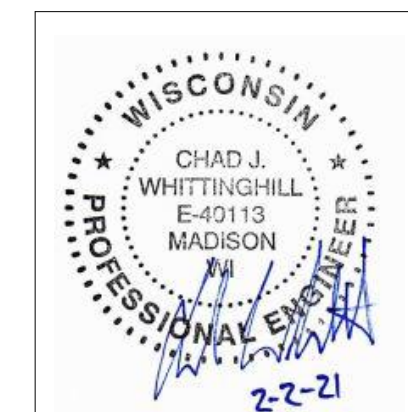
I hereby certify these plans and specifications were prepared by me or under my direct personal supervision and that I am a duly licensed professional architect under the laws of the state of Wisconsin.

Sheets covered by this seal: Listed As "Architectural"



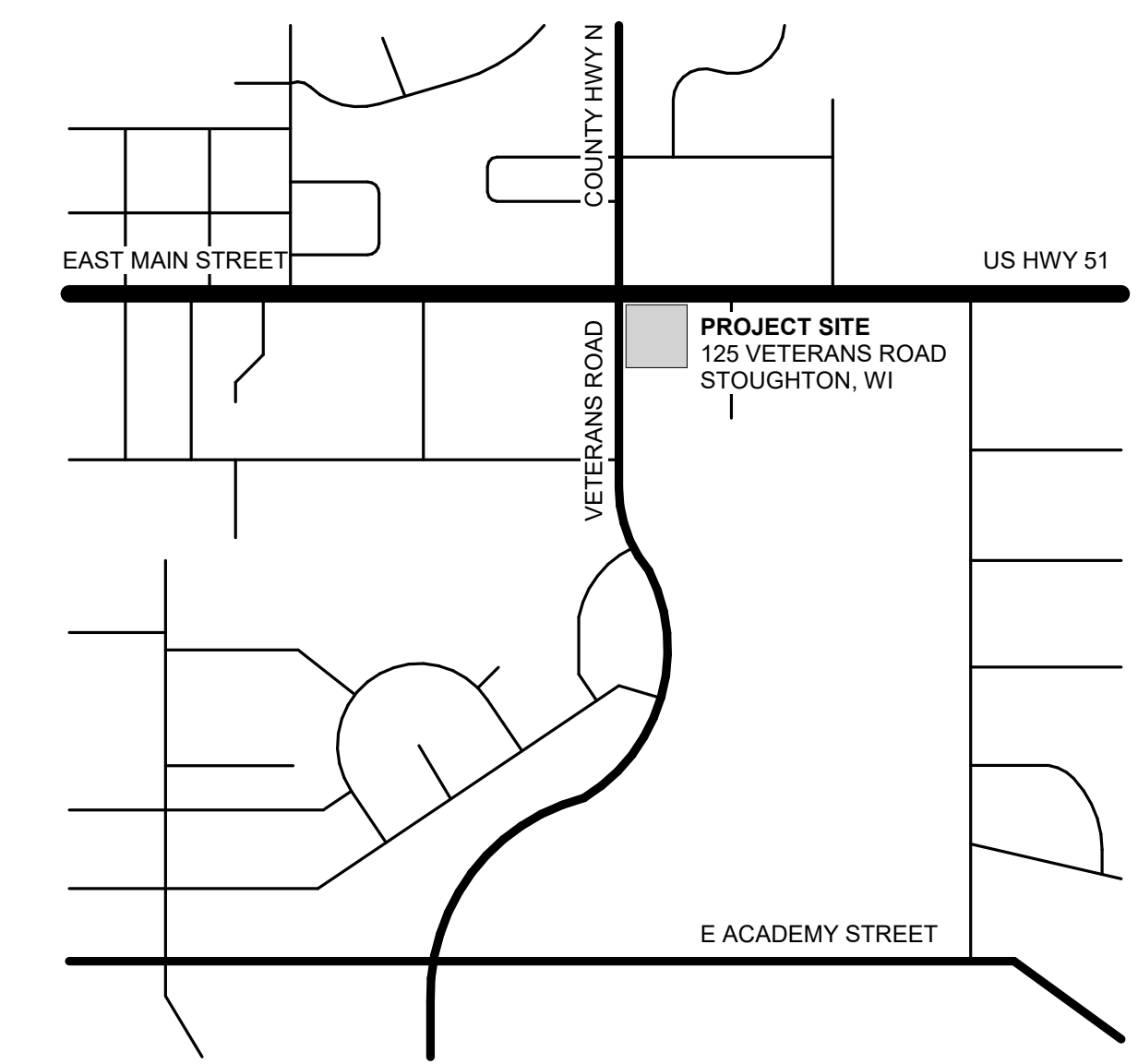
I hereby certify this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed professional engineer under the laws of the state of Wisconsin.

Sheets covered by this seal: Listed As "Civil"



I hereby certify this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed professional engineer under the laws of the state of Wisconsin.

Sheets covered by this seal: Listed As "Structural"



LOCATION MAP - STOUGHTON, WISCONSIN



301 N Broom St., Suite 100  
Madison, WI 53703  
P: 608-819-0260

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Owner  
**DANE COUNTY**  
Department of Public Works, Highway & Transportation, Engineering Division  
1919 Alliant Energy Center Way  
Madison, Wisconsin 53713

Project  
**DANE COUNTY SHERIFF SE PRECINCT REMODEL**  
125 VETERANS ROAD  
STOUGHTON, WI 53589

Civil Engineer and Landscape Architect  
**JSD PROFESSIONAL SERVICES, INC**  
161 HORIZON DRIVE SUITE 101  
VERONA, WI 53593  
P. 608.848.5060

Structural Engineer  
**STRATEGIC STRUCTURAL DESIGN LLC**  
HEARTLAND TRAIL #203  
MADISON, WI 53717  
P. 608.770.4265

MEP Engineer  
**DESIGN ENGINEERS**  
437 S YELLOWSTONE DR SUITE 110  
MADISON, WI 53719  
P. 608.424.8815

Key Plan

Revision	Description	Date
1	ADDENDUM 01 SHEETS RE-ISSUED	FEBRUARY 4, 2021

OPN Project No.  
**20628000**

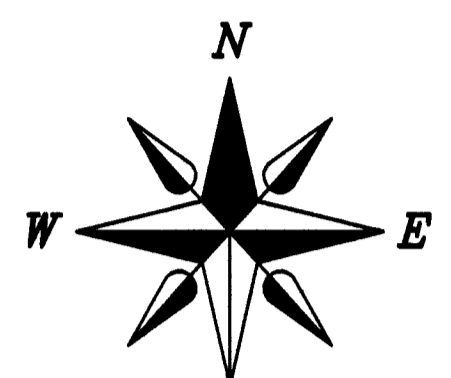
Sheet Issue Date  
**CONSTRUCTION DRAWINGS** February 2, 2021

Sheet Name  
**COVER SHEET VOLUME 1**

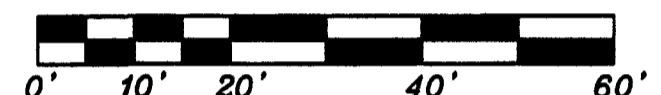
Sheet Number  
**G001**

# UNITED STATE HIGHWAY "51"

NE CORNER SECTION 9-5-11 FOUND ALUMINUM MONUMENT



WCCS - DANE COUNTY  
BEARINGS ARE REFERENCED TO THE NORTH LINE OF THE NORTHEAST 1/4 OF SECTION 9, T5N, R11E, LINE TO BEAR = N 89°36'14" E  
SCALE 1" = 20'



**PREPARED FOR:**  
DANE COUNTY DEPARTMENT OF PUBLIC WORKS  
1919 ALLIANT ENERGY CENTER WAY  
MADISON, WI 53713

### DESCRIPTION AS PER WARRANTY DEED DOC. NO. 2930823

Lot One (1) of Certified Survey Map No. 2722, recorded in the Dane County Register of Deeds Office in Volume 10 of Certified Survey Maps, Page 395, as Document No. 1555969, in the City of Stoughton, Dane County, Wisconsin, EXCEPT that part conveyed by warranty deed recorded on May 1, 1989, as Document No. 2138235, and also EXCEPT that part conveyed by deed recorded on July 10, 1990, as Document No. 2210487.

### NOTES:

- 1) THIS SURVEY WAS PREPARED WITHOUT BENEFIT OF A TITLE REPORT FOR THE SUBJECT TRACT OR ADJOINERS AND IS THEREFORE SUBJECT TO ANY EASEMENTS, AGREEMENTS, RESTRICTIONS AND STATEMENT OF FACTS REVEALED BY EXAMINATION OF SUCH DOCUMENTS.
- 2) WETLANDS, IF PRESENT, HAVE NOT BEEN DELINEATED OR SHOWN.
- 3) FLOOD PLAIN, IF PRESENT, HAS NOT BEEN LOCATED OR SHOWN.
- 4) ALL ELEVATIONS ARE REFERENCED TO THE NAVD88 (2011) DATUM.
- 5) ALL UTILITIES SHOWN ON THIS SURVEY WERE FIELD LOCATED FROM GROUND MARKINGS PLACED BY THE UTILITY COMPANIES OR THEIR AGENTS OR ESTABLISHED FROM PLANS PROVIDED BY OTHERS, EXCEPT WHERE SNOW OR OTHER OBSTACLES MAY HAVE OBFUSCATED THE LOCATION OF THE UTILITIES. IT IS THE RESPONSIBILITY OF THE OWNERS/CONTRACTORS TO CALL DIGGER'S HOTLINE FOR EXACT LOCATION OF UNDERGROUND UTILITIES BEFORE ANY CONSTRUCTION OR EXCAVATING IS DONE. DIGGER'S HOTLINE NO. 1-800-242-8511. DIGGER'S HOTLINE TICKET NO. 2020-3018503.

### SURVEY CONTROL TABLE

CONTROL	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP1	423745.00	870568.84	898.06'	60D NAIL
CP9	425853.89	870554.70	903.70'	60D NAIL
CP10	425906.65	870555.23	903.03'	60D NAIL
CP11	426036.25	870588.16	900.50'	60D NAIL
CP12	425844.88	870496.21	899.86'	60D NAIL
CP13	425847.13	870435.01	898.99'	60D NAIL
CP14	425808.65	870327.77	897.46'	60D NAIL
CP15	425660.13	870377.11	896.25'	60D NAIL

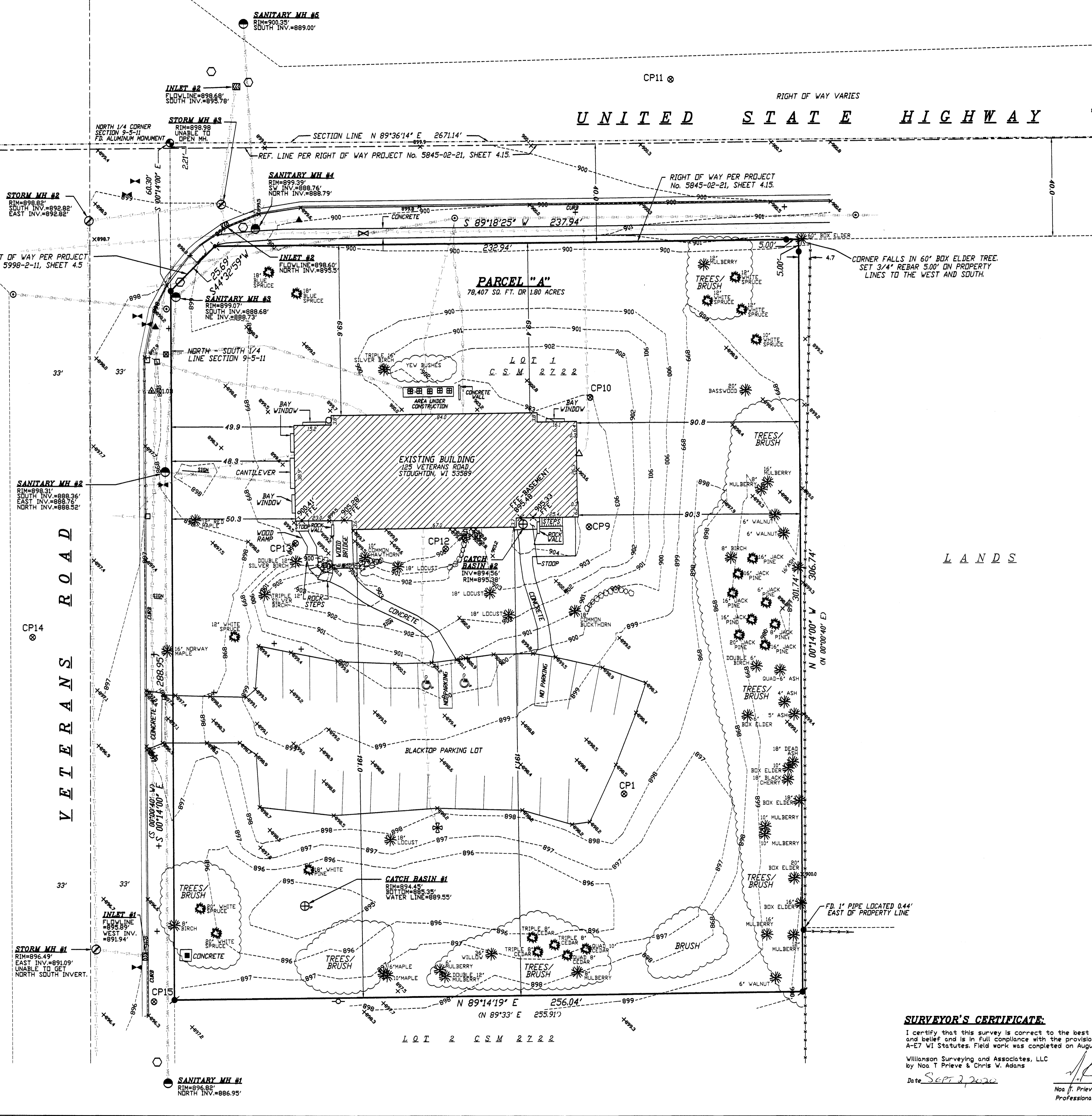
### LEGEND

- ✕ = FOUND CHISELED 'X'
- = FOUND 3/4" REBAR
- = FOUND 1" IRON PIPE
- ⊙ = 60D CONTROL POINT NAIL
- (\*\*\*) = RECORDED AS
- ⊕ = LIGHT POLE
- ⊗ = CATCH BASIN
- ⊙ = SANITARY MANHOLE
- ⊙ = UTILITY MANHOLE
- ⊙ = STORM SEWER MANHOLE
- \*\*\* X = SPOT GRADE
- = 4 INCH PVC PIPE
- = 6 INCH CONCRETE LID
- ⊙ = WATER VALVE
- ⊙ = UTILITY BOX
- ⊙ = UTILITY VAULT
- ⊙ = HYDRANT
- ⊙ = POWERPOLE
- ⊙ = STREET SIGN
- ⊙ = TRAFFIC LIGHTS
- ⊙ = AC UNIT
- ⊙ = GAS METER
- ⊙ = DECIDUOUS TREE (DIAMETER NOTED) (TYPE NOTED)
- ⊙ = CONIFEROUS TREE (DIAMETER NOTED) (TYPE NOTED)
- ⊙ = ROCK WALL
- ♿ = HANDICAP PARKING

### LINE LEGEND

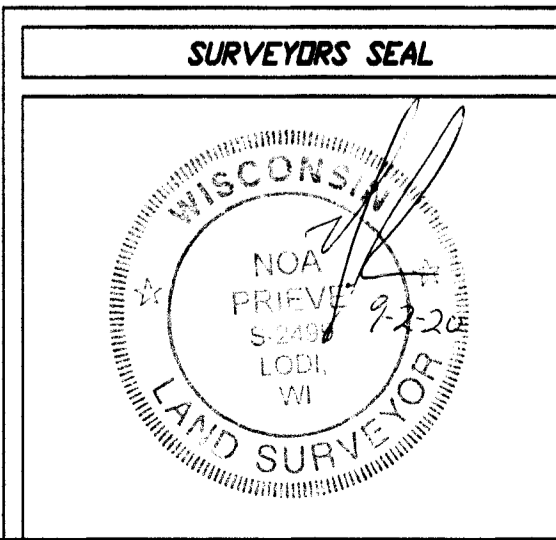
- = SANITARY SEWER
- = STORM SEWER
- = UNDERGROUND COMMUNICATIONS LINE
- = WATER MAIN
- = UNDERGROUND ELECTRIC
- = UNDERGROUND GAS MAIN
- = UNDERGROUND FIBER OPTICS LINE
- = FENCE

LANDS



**SURVEYOR'S CERTIFICATE:**  
I certify that this survey is correct to the best of my knowledge and belief and is in full compliance with the provisions of Chapter A-E7 of the Wisconsin Statutes. Field work was completed on August 24, 2020.

Williamson Surveying and Associates, LLC  
by Noa T. Prieve & Chris W. Adams  
Date SEPT 2, 2020  
Noa T. Prieve S-2499  
Professional Land Surveyor

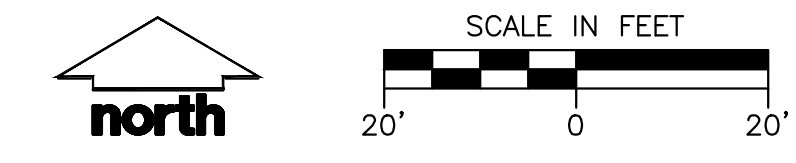
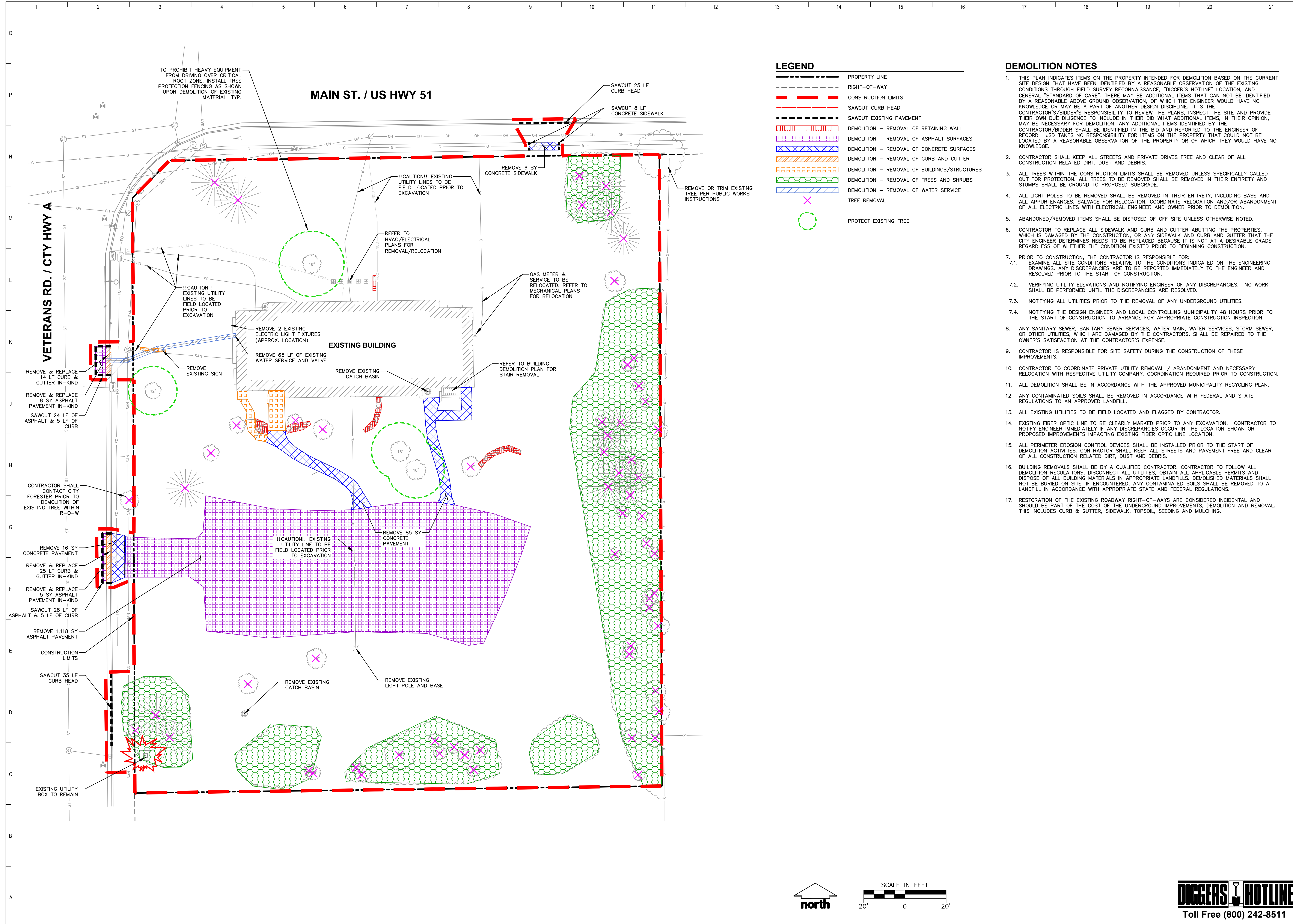


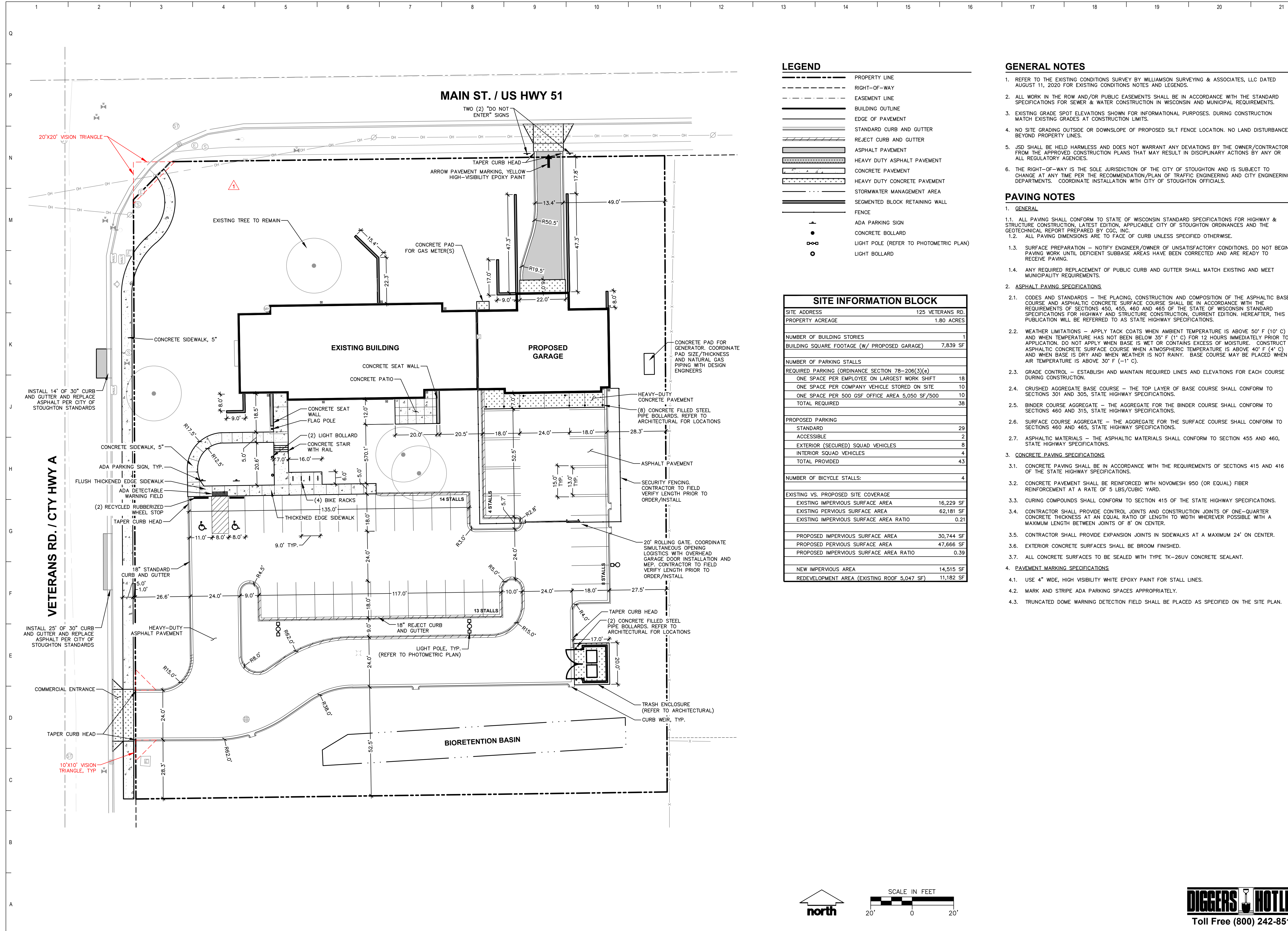
**WILLIAMSON SURVEYING & ASSOCIATES, LLC**  
104 A WEST MAIN STREET, WAUNAKEE, WISCONSIN, 53597.  
NOA T. PRIEVE & CHRIS W. ADAMS  
PROFESSIONAL LAND SURVEYORS  
PHONE: 608-255-5705 FAX: 608-849-9760 WEB: WILLIAMSONSURVEYING.COM

**TOPOGRAPHIC MAP**  
A portion of Lot 1, Certified Survey Map No. 2722, Vol. 10, Pg. 395, Document No. 1555969, located in the NW 1/4 of the NE 1/4 of Section 9, T5N, R11E, City of Stoughton, Dane County, Wisconsin.

DATE	August 11, 2020	REVISION DATE:	September 1, 2020	CHECK BY:	N.T.P.
SCALE:	1" = 20'	DRAWING NO.:	20V-219		
DRAWN BY:	BRAD RODSMA	SHEET:	1 OF 1		

**INFORMATIONAL ONLY**  
THIS SURVEY WAS COMMISSIONED BY THE COUNTY, CONTRACTED DIRECTLY WITH WILLIAMSON SURVEYING & ASSOCIATES, LLC. IT IS BEING INCLUDED WITH CONSTRUCTION DRAWINGS FOR INFORMATIONAL PURPOSES ONLY.  
ADDENDUM 01, REVISION 1, FEBRUARY 4, 2021





**LEGEND**

- PROPERTY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- BUILDING OUTLINE
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- REJECT CURB AND GUTTER
- ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- STORMWATER MANAGEMENT AREA
- SEGMENTED BLOCK RETAINING WALL
- FENCE
- ADA PARKING SIGN
- CONCRETE BOLLARD
- LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
- LIGHT BOLLARD

**SITE INFORMATION BLOCK**

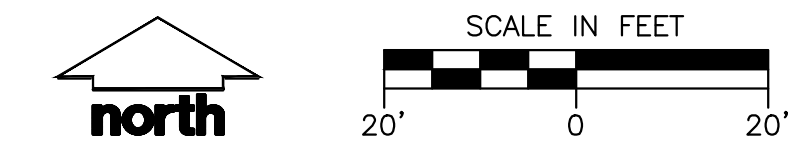
SITE ADDRESS	125 VETERANS RD.
PROPERTY ACREAGE	1.80 ACRES
NUMBER OF BUILDING STORIES	1
BUILDING SQUARE FOOTAGE (W/ PROPOSED GARAGE)	7,839 SF
NUMBER OF PARKING STALLS	
REQUIRED PARKING (ORDINANCE SECTION 78-206(3)(e))	
ONE SPACE PER EMPLOYEE ON LARGEST WORK SHIFT	18
ONE SPACE PER COMPANY VEHICLE STORED ON SITE	10
ONE SPACE PER 500 GSF OFFICE AREA 5,050 SF/500	10
TOTAL REQUIRED	38
PROPOSED PARKING	
STANDARD	29
ACCESSIBLE	2
EXTERIOR (SECURED) SQUAD VEHICLES	8
INTERIOR SQUAD VEHICLES	4
TOTAL PROVIDED	43
NUMBER OF BICYCLE STALLS:	4
EXISTING VS. PROPOSED SITE COVERAGE	
EXISTING IMPERVIOUS SURFACE AREA	16,229 SF
EXISTING PERVIOUS SURFACE AREA	62,181 SF
EXISTING IMPERVIOUS SURFACE AREA RATIO	0.21
PROPOSED IMPERVIOUS SURFACE AREA	30,744 SF
PROPOSED PERVIOUS SURFACE AREA	47,666 SF
PROPOSED IMPERVIOUS SURFACE AREA RATIO	0.39
NEW IMPERVIOUS AREA	14,515 SF
REDEVELOPMENT AREA (EXISTING ROOF 5,047 SF)	11,182 SF

**GENERAL NOTES**

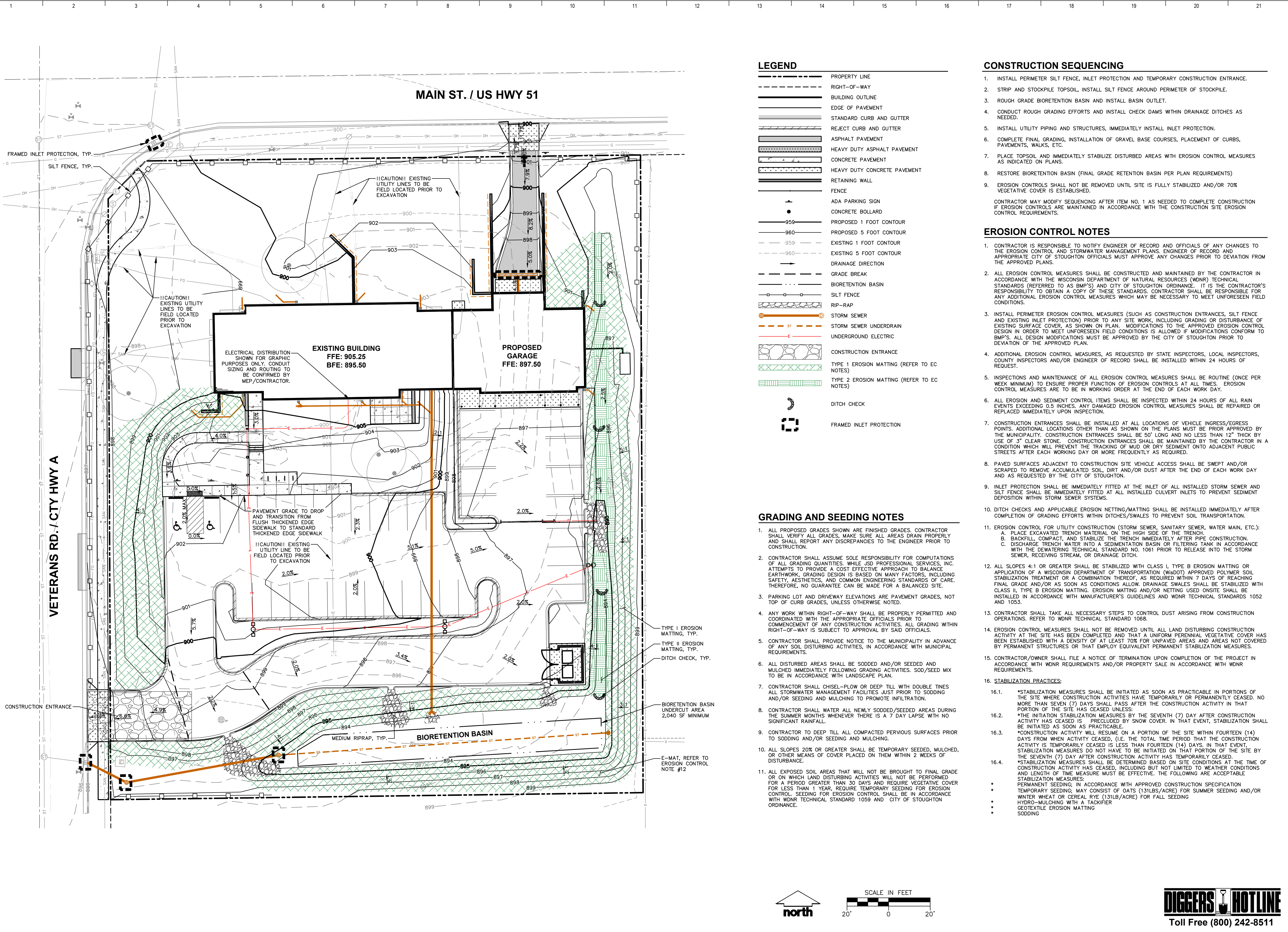
- REFER TO THE EXISTING CONDITIONS SURVEY BY WILLIAMSON SURVEYING & ASSOCIATES, LLC DATED AUGUST 11, 2020 FOR EXISTING CONDITIONS NOTES AND LEGENDS.
- ALL WORK IN THE ROW AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN AND MUNICIPAL REQUIREMENTS.
- EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS.
- NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES.
- JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
- THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF STOUGHTON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENTS. COORDINATE INSTALLATION WITH CITY OF STOUGHTON OFFICIALS.

**PAVING NOTES**

- GENERAL**
  - ALL PAVING SHALL CONFORM TO STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY & STRUCTURE CONSTRUCTION, LATEST EDITION, APPLICABLE CITY OF STOUGHTON ORDINANCES AND THE GEOTECHNICAL REPORT PREPARED BY CCG, INC.
  - ALL PAVING DIMENSIONS ARE TO FACE OF CURB UNLESS SPECIFIED OTHERWISE.
  - SURFACE PREPARATION - NOTIFY ENGINEER/OWNER OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.
  - ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTTER SHALL MATCH EXISTING AND MEET MUNICIPALITY REQUIREMENTS.
- ASPHALT PAVING SPECIFICATIONS**
  - CODES AND STANDARDS - THE PLACING, CONSTRUCTION AND COMPOSITION OF THE ASPHALTIC BASE COURSE AND ASPHALTIC CONCRETE SURFACE COURSE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 450, 455, 460 AND 465 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, CURRENT EDITION. HEREAFTER, THIS PUBLICATION WILL BE REFERRED TO AS STATE HIGHWAY SPECIFICATIONS.
  - WEATHER LIMITATIONS - APPLY TACK COATS WHEN AMBIENT TEMPERATURE IS ABOVE 50° F (10° C) AND WHEN TEMPERATURE HAS NOT BEEN BELOW 35° F (1° C) FOR 12 HOURS IMMEDIATELY PRIOR TO APPLICATION. DO NOT APPLY WHEN BASE IS WET OR CONTAINS EXCESS OF MOISTURE. CONSTRUCT ASPHALTIC CONCRETE SURFACE COURSE WHEN ATMOSPHERIC TEMPERATURE IS ABOVE 40° F (4° C) AND WHEN BASE IS DRY AND WHEN WEATHER IS NOT RAINY. BASE COURSE MAY BE PLACED WHEN AIR TEMPERATURE IS ABOVE 30° F (-1° C).
  - GRADE CONTROL - ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION.
  - CRUSHED AGGREGATE BASE COURSE - THE TOP LAYER OF BASE COURSE SHALL CONFORM TO SECTIONS 301 AND 305, STATE HIGHWAY SPECIFICATIONS.
  - BINDER COURSE AGGREGATE - THE AGGREGATE FOR THE BINDER COURSE SHALL CONFORM TO SECTIONS 460 AND 315, STATE HIGHWAY SPECIFICATIONS.
  - SURFACE COURSE AGGREGATE - THE AGGREGATE FOR THE SURFACE COURSE SHALL CONFORM TO SECTIONS 460 AND 465, STATE HIGHWAY SPECIFICATIONS.
  - ASPHALTIC MATERIALS - THE ASPHALTIC MATERIALS SHALL CONFORM TO SECTION 455 AND 460, STATE HIGHWAY SPECIFICATIONS.
- CONCRETE PAVING SPECIFICATIONS**
  - CONCRETE PAVING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 415 AND 416 OF THE STATE HIGHWAY SPECIFICATIONS.
  - CONCRETE PAVEMENT SHALL BE REINFORCED WITH NOVOMESH 950 (OR EQUAL) FIBER REINFORCEMENT AT A RATE OF 5 LBS/CUBIC YARD.
  - CURING COMPOUNDS SHALL CONFORM TO SECTION 415 OF THE STATE HIGHWAY SPECIFICATIONS.
  - CONTRACTOR SHALL PROVIDE CONTROL JOINTS AND CONSTRUCTION JOINTS OF ONE-QUARTER CONCRETE THICKNESS AT AN EQUAL RATIO OF LENGTH TO WIDTH WHEREVER POSSIBLE WITH A MAXIMUM LENGTH BETWEEN JOINTS OF 8' ON CENTER.
  - CONTRACTOR SHALL PROVIDE EXPANSION JOINTS IN SIDEWALKS AT A MAXIMUM 24' ON CENTER.
  - EXTERIOR CONCRETE SURFACES SHALL BE BROOM FINISHED.
  - ALL CONCRETE SURFACES TO BE SEALED WITH TYPE TK-26UV CONCRETE SEALANT.
- PAVEMENT MARKING SPECIFICATIONS**
  - USE 4" WIDE, HIGH VISIBILITY WHITE EPOXY PAINT FOR STALL LINES.
  - MARK AND STRIPE ADA PARKING SPACES APPROPRIATELY.
  - TRUNCATED DOME WARNING DETECTION FIELD SHALL BE PLACED AS SPECIFIED ON THE SITE PLAN.







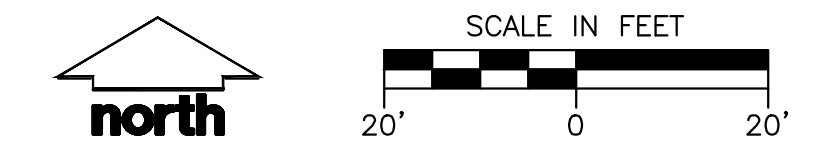
**LEGEND**

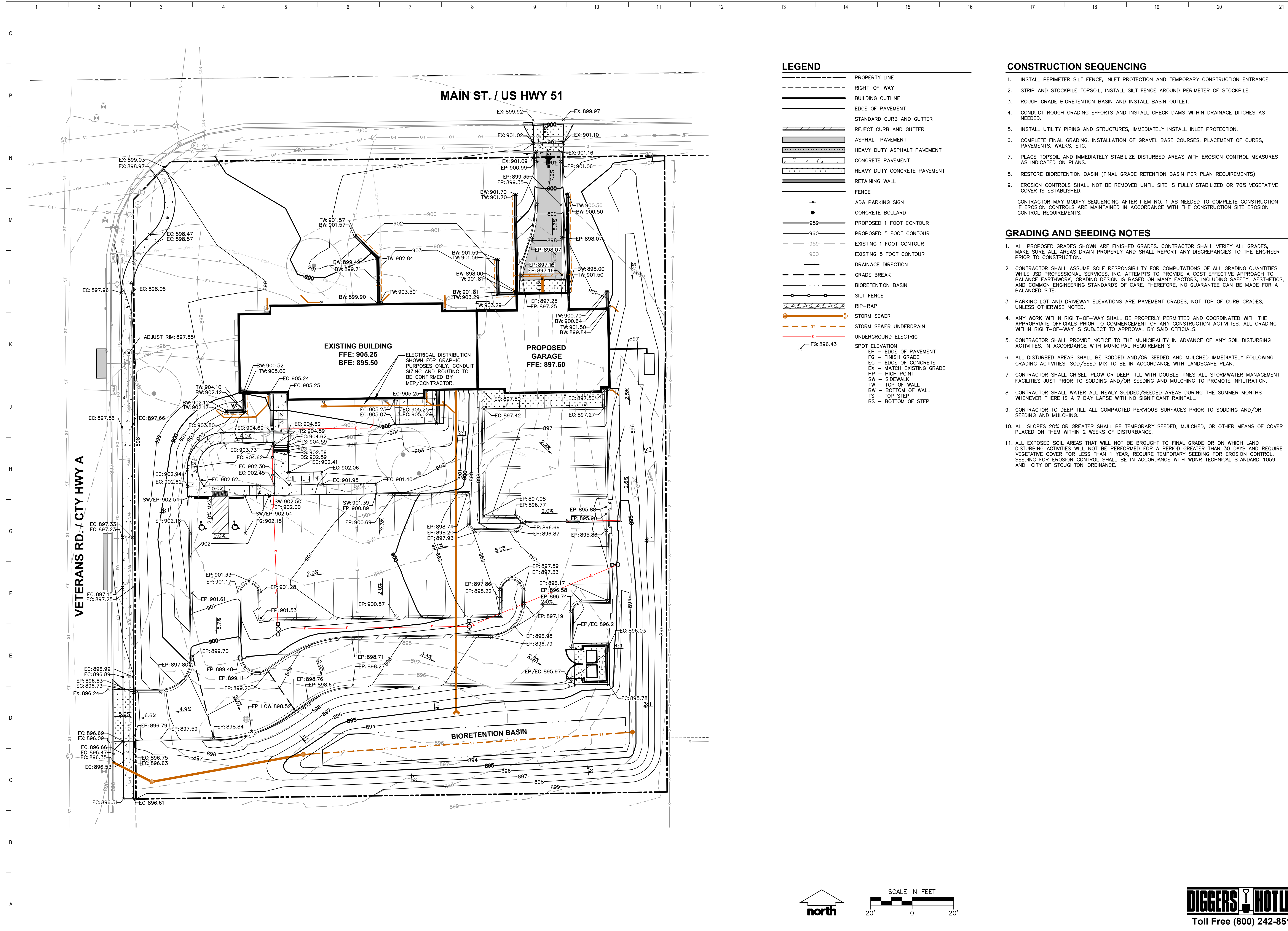
---	PROPERTY LINE
- - - -	RIGHT-OF-WAY
---	BUILDING OUTLINE
---	EDGE OF PAVEMENT
---	STANDARD CURB AND GUTTER
---	REJECT CURB AND GUTTER
---	ASPHALT PAVEMENT
---	HEAVY DUTY ASPHALT PAVEMENT
---	CONCRETE PAVEMENT
---	HEAVY DUTY CONCRETE PAVEMENT
---	RETAINING WALL
---	FENCE
---	ADA PARKING SIGN
---	CONCRETE BOLLARD
---	PROPOSED 1 FOOT CONTOUR
---	PROPOSED 5 FOOT CONTOUR
---	EXISTING 1 FOOT CONTOUR
---	EXISTING 5 FOOT CONTOUR
---	DRAINAGE DIRECTION
---	GRADE BREAK
---	BIORETENTION BASIN
---	SILT FENCE
---	RIP-RAP
---	STORM SEWER
---	STORM SEWER UNDERDRAIN
---	UNDERGROUND ELECTRIC
---	CONSTRUCTION ENTRANCE
---	TYPE 1 EROSION MATTING (REFER TO EC NOTES)
---	TYPE 2 EROSION MATTING (REFER TO EC NOTES)
---	DITCH CHECK
---	FRAMED INLET PROTECTION

- CONSTRUCTION SEQUENCING**
1. INSTALL PERIMETER SILT FENCE, INLET PROTECTION AND TEMPORARY CONSTRUCTION ENTRANCE.
  2. STRIP AND STOCKPILE TOPSOIL, INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
  3. ROUGH GRADE BIORETENTION BASIN AND INSTALL BASIN OUTLET.
  4. CONDUCT ROUGH GRADING EFFORTS AND INSTALL CHECK DAMS WITHIN DRAINAGE DITCHES AS NEEDED.
  5. INSTALL UTILITY PIPING AND STRUCTURES, IMMEDIATELY INSTALL INLET PROTECTION.
  6. COMPLETE FINAL GRADING, INSTALLATION OF GRAVEL BASE COURSES, PLACEMENT OF CURBS, PAVEMENTS, WALKS, ETC.
  7. PLACE TOPSOIL AND IMMEDIATELY STABILIZE DISTURBED AREAS WITH EROSION CONTROL MEASURES AS INDICATED ON PLANS.
  8. RESTORE BIORETENTION BASIN (FINAL GRADE RETENTION BASIN PER PLAN REQUIREMENTS)
  9. EROSION CONTROLS SHALL NOT BE REMOVED UNTIL SITE IS FULLY STABILIZED AND/OR 70% VEGETATIVE COVER IS ESTABLISHED.
- CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM NO. 1 AS NEEDED TO COMPLETE CONSTRUCTION IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS.

- EROSION CONTROL NOTES**
1. CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER OF RECORD AND OFFICIALS OF ANY CHANGES TO THE EROSION CONTROL AND STORMWATER MANAGEMENT PLANS. ENGINEER OF RECORD AND APPROPRIATE CITY OF STOUGHTON OFFICIALS MUST APPROVE ANY CHANGES PRIOR TO DEVIATION FROM THE APPROVED PLANS.
  2. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) TECHNICAL STANDARDS (REFERRED TO AS BMP'S) AND CITY OF STOUGHTON ORDINANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THESE STANDARDS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL EROSION CONTROL MEASURES WHICH MAY BE NECESSARY TO MEET UNFORESEEN FIELD CONDITIONS.
  3. INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE AND EXISTING INLET PROTECTION) PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE COVER, AS SHOWN ON PLANS. MODIFICATIONS TO THE APPROVED EROSION CONTROL DESIGN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS IS ALLOWED IF MODIFICATIONS CONFORM TO BMP'S. ALL DESIGN MODIFICATIONS MUST BE APPROVED BY THE CITY OF STOUGHTON PRIOR TO DEVIATION OF THE APPROVED PLAN.
  4. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY STATE INSPECTORS, LOCAL INSPECTORS, COUNTY INSPECTORS AND/OR ENGINEER OF RECORD SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
  5. INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.
  6. ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INSPECTED WITHIN 24 HOURS OF ALL RAIN EVENTS EXCEEDING 0.5 INCHES. ANY DAMAGED EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED IMMEDIATELY UPON INSPECTION.
  7. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. ADDITIONAL LOCATIONS OTHER THAN AS SHOWN ON THE PLANS MUST BE PRIOR APPROVED BY THE MUNICIPALITY. CONSTRUCTION ENTRANCES SHALL BE 50' LONG AND NO LESS THAN 12" THICK BY USE OF 3" CLEAR STONE. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENT ONTO ADJACENT PUBLIC STREETS AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED.
  8. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEEPED AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST AFTER THE END OF EACH WORK DAY AND AS REQUESTED BY THE CITY OF STOUGHTON.
  9. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLET OF ALL INSTALLED STORM SEWER AND SILT FENCE SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS.
  10. DITCH CHECKS AND APPLICABLE EROSION NETTING/MATTING SHALL BE INSTALLED IMMEDIATELY AFTER COMPLETION OF GRADING EFFORTS WITHIN DITCHES/SWALES TO PREVENT SOIL TRANSPORTATION.
  11. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.):  
A. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.  
B. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.  
C. DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH THE DEWATERING TECHNICAL STANDARD NO. 1061 PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM, OR DRAINAGE DITCH.
  12. ALL SLOPES 4:1 OR GREATER SHALL BE STABILIZED WITH CLASS I, TYPE B EROSION MATTING OR APPLICATION OF A WISCONSIN DEPARTMENT OF TRANSPORTATION (WisDOT) APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED WITHIN 7 DAYS OF REACHING FINAL GRADE AND/OR AS SOON AS CONDITIONS ALLOW. DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATTING. EROSION MATTING AND/OR NETTING USED ON SITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND WDNR TECHNICAL STANDARDS 1052 AND 1053.
  13. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM CONSTRUCTION OPERATIONS. REFER TO WDNR TECHNICAL STANDARD 1068.
  14. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY AT THE SITE HAS BEEN COMPLETED AND THAT A UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED WITH A DENSITY OF AT LEAST 70% FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR THAT EMPLOY EQUIVALENT PERMANENT STABILIZATION MEASURES.
  15. CONTRACTOR/OWNER SHALL FILE A NOTICE OF TERMINATION UPON COMPLETION OF THE PROJECT IN ACCORDANCE WITH WDNR REQUIREMENTS AND/OR PROPERTY SALE IN ACCORDANCE WITH WDNR REQUIREMENTS.
  16. **STABILIZATION PRACTICES:**  
16.1. \*STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. NO MORE THAN SEVEN (7) DAYS SHALL PASS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED UNLESS:  
16.2. \*THE INITIATION STABILIZATION MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS CEASED IS PRECLUDED BY SNOW COVER. IN THAT EVENT, STABILIZATION SHALL BE INITIATED AS SOON AS PRACTICABLE.  
16.3. \*CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) DAYS FROM WHEN ACTIVITY CEASED, (I.E. THE TOTAL TIME PERIOD THAT THE CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN FOURTEEN (14) DAYS. IN THAT EVENT, STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED.  
16.4. \*STABILIZATION MEASURES SHALL BE DETERMINED BASED ON SITE CONDITIONS AT THE TIME OF CONSTRUCTION ACTIVITY HAS CEASED, INCLUDING BUT NOT LIMITED TO WEATHER CONDITIONS AND LENGTH OF TIME MEASURE MUST BE EFFECTIVE. THE FOLLOWING ARE ACCEPTABLE STABILIZATION MEASURES:  
• PERMANENT SEEDING; IN ACCORDANCE WITH APPROVED CONSTRUCTION SPECIFICATION  
• TEMPORARY SEEDING; MAY CONSIST OF OATS (131LBS/ACRE) FOR SUMMER SEEDING AND/OR WINTER WHEAT OR CEREAL RYE (131LBS/ACRE) FOR FALL SEEDING  
• HYDRO-MULCHING WITH A TACKIFIER  
• GEOTEXTILE EROSION MATTING  
• SODDING

- GRADING AND SEEDING NOTES**
1. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
  2. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPUTATIONS OF ALL GRADING QUANTITIES. WHILE JSD PROFESSIONAL SERVICES, INC. ATTEMPTS TO PROVIDE A COST EFFECTIVE APPROACH TO BALANCE EARTHWORK, GRADING DESIGN IS BASED ON MANY FACTORS, INCLUDING SAFETY, AESTHETICS, AND COMMON ENGINEERING STANDARDS OF CARE. THEREFORE, NO GUARANTEE CAN BE MADE FOR A BALANCED SITE.
  3. PARKING LOT AND DRIVEWAY ELEVATIONS ARE PAVEMENT GRADES, NOT TOP OF CURB GRADES, UNLESS OTHERWISE NOTED.
  4. ANY WORK WITHIN RIGHT-OF-WAY SHALL BE PROPERLY PERMITTED AND COORDINATED WITH THE APPROPRIATE OFFICIALS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. ALL GRADING WITHIN RIGHT-OF-WAY IS SUBJECT TO APPROVAL BY SAID OFFICIALS.
  5. CONTRACTOR SHALL PROVIDE NOTICE TO THE MUNICIPALITY IN ADVANCE OF ANY SOIL DISTURBING ACTIVITIES, IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.
  6. ALL DISTURBED AREAS SHALL BE SODDED AND/OR SEEDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SOD/SEED MIX TO BE IN ACCORDANCE WITH LANDSCAPE PLAN.
  7. CONTRACTOR SHALL CHISEL-PLow OR DEEP TILL WITH DOUBLE TINES ALL STORMWATER MANAGEMENT FACILITIES JUST PRIOR TO SODDING AND/OR SEEDING AND MULCHING TO PROMOTE INFILTRATION.
  8. CONTRACTOR SHALL WATER ALL NEWLY SODDED/SEEDING AREAS DURING THE SUMMER MONTHS WHENEVER THERE IS A 7 DAY LAPSE WITH NO SIGNIFICANT RAINFALL.
  9. CONTRACTOR TO DEEP TILL ALL COMPACTED PERVIOUS SURFACES PRIOR TO SODDING AND/OR SEEDING AND MULCHING.
  10. ALL SLOPES 20% OR GREATER SHALL BE TEMPORARY SEEDING, MULCHED, OR OTHER MEANS OF COVER PLACED ON THEM WITHIN 2 WEEKS OF DISTURBANCE.
  11. ALL EXPOSED SOIL 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 AND REQUIRE VEGETATIVE COVER FOR LESS THAN 1 YEAR, REQUIRE TEMPORARY SEEDING FOR EROSION CONTROL. SEEDING FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1059 AND CITY OF STOUGHTON ORDINANCE.





**LEGEND**

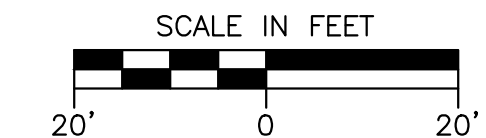
- PROPERTY LINE
- - - RIGHT-OF-WAY
- ▭ BUILDING OUTLINE
- ▭ EDGE OF PAVEMENT
- ▭ STANDARD CURB AND GUTTER
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- ▭ ASPHALT PAVEMENT
- ▭ HEAVY DUTY ASPHALT PAVEMENT
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- ▭ HEAVY DUTY CONCRETE PAVEMENT
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- ▭ FENCE
- ▲ ADA PARKING SIGN
- CONCRETE BOLLARD
- 959 PROPOSED 1 FOOT CONTOUR
- 960 PROPOSED 5 FOOT CONTOUR
- 959 EXISTING 1 FOOT CONTOUR
- 960 EXISTING 5 FOOT CONTOUR
- DRAINAGE DIRECTION
- ▭ GRADE BREAK
- ▭ BIORETENTION BASIN
- ▭ SILT FENCE
- ▭ RIP-RAP
- ▭ STORM SEWER
- ▭ STORM SEWER UNDERDRAIN
- ▭ UNDERGROUND ELECTRIC
- ▭ SPOT ELEVATION
- EP - EDGE OF PAVEMENT
- FG - FINISH GRADE
- EC - EDGE OF CONCRETE
- EX - MATCH EXISTING GRADE
- HP - HIGH POINT
- SW - SIDEWALK
- TW - TOP OF WALL
- BW - BOTTOM OF WALL
- TS - TOP STEP
- BS - BOTTOM OF STEP
- FG: 896.43

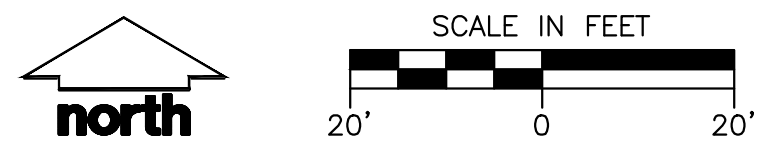
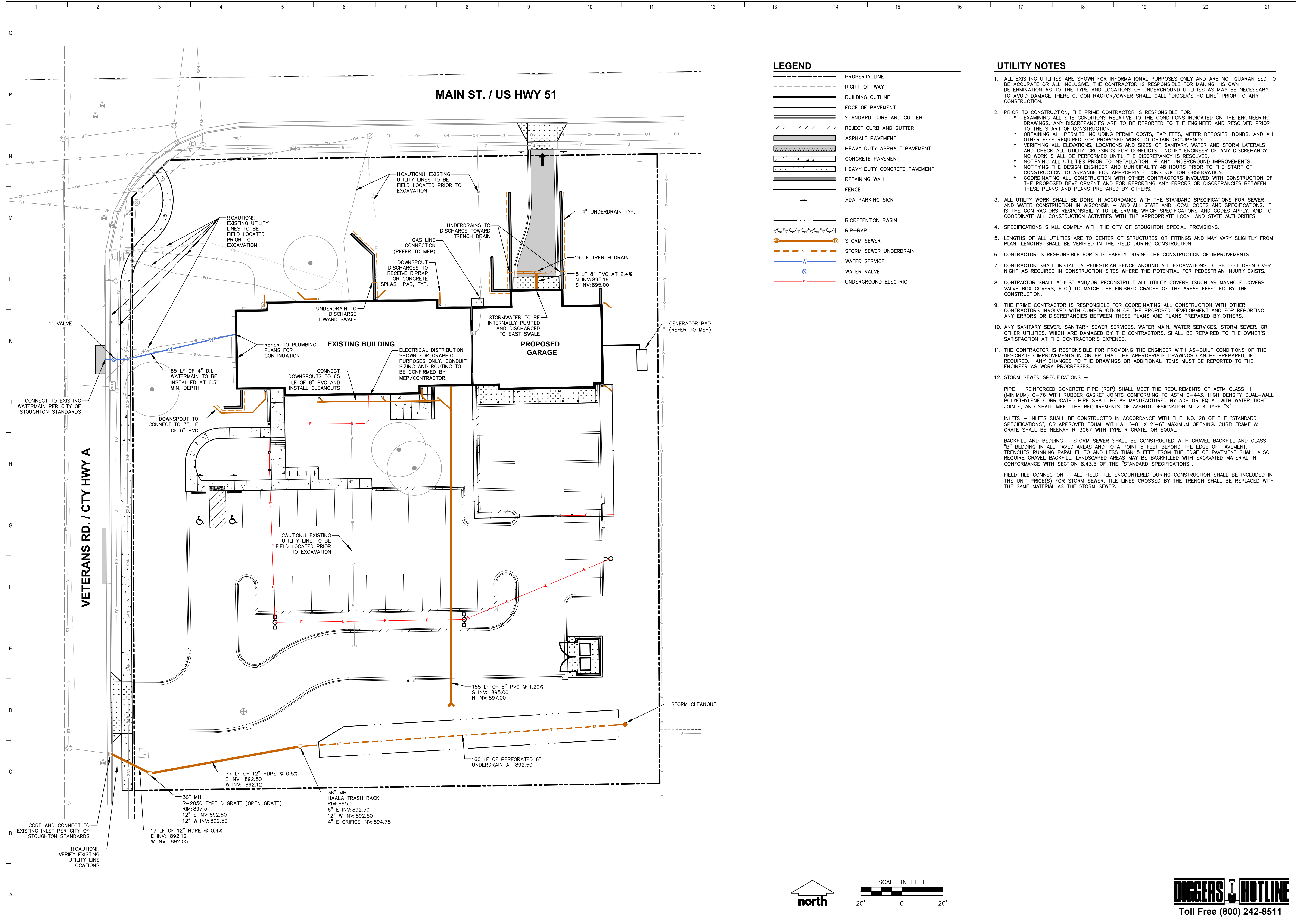
**CONSTRUCTION SEQUENCING**

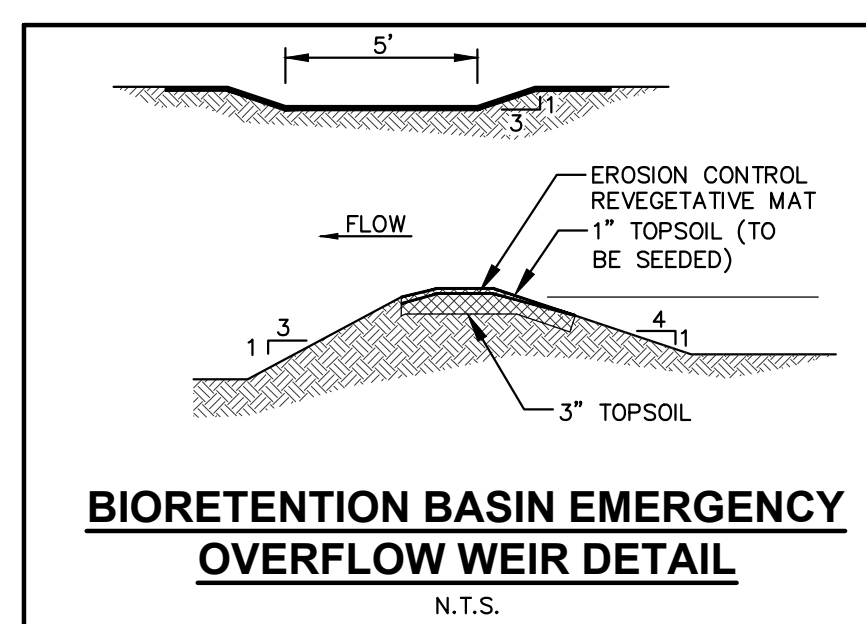
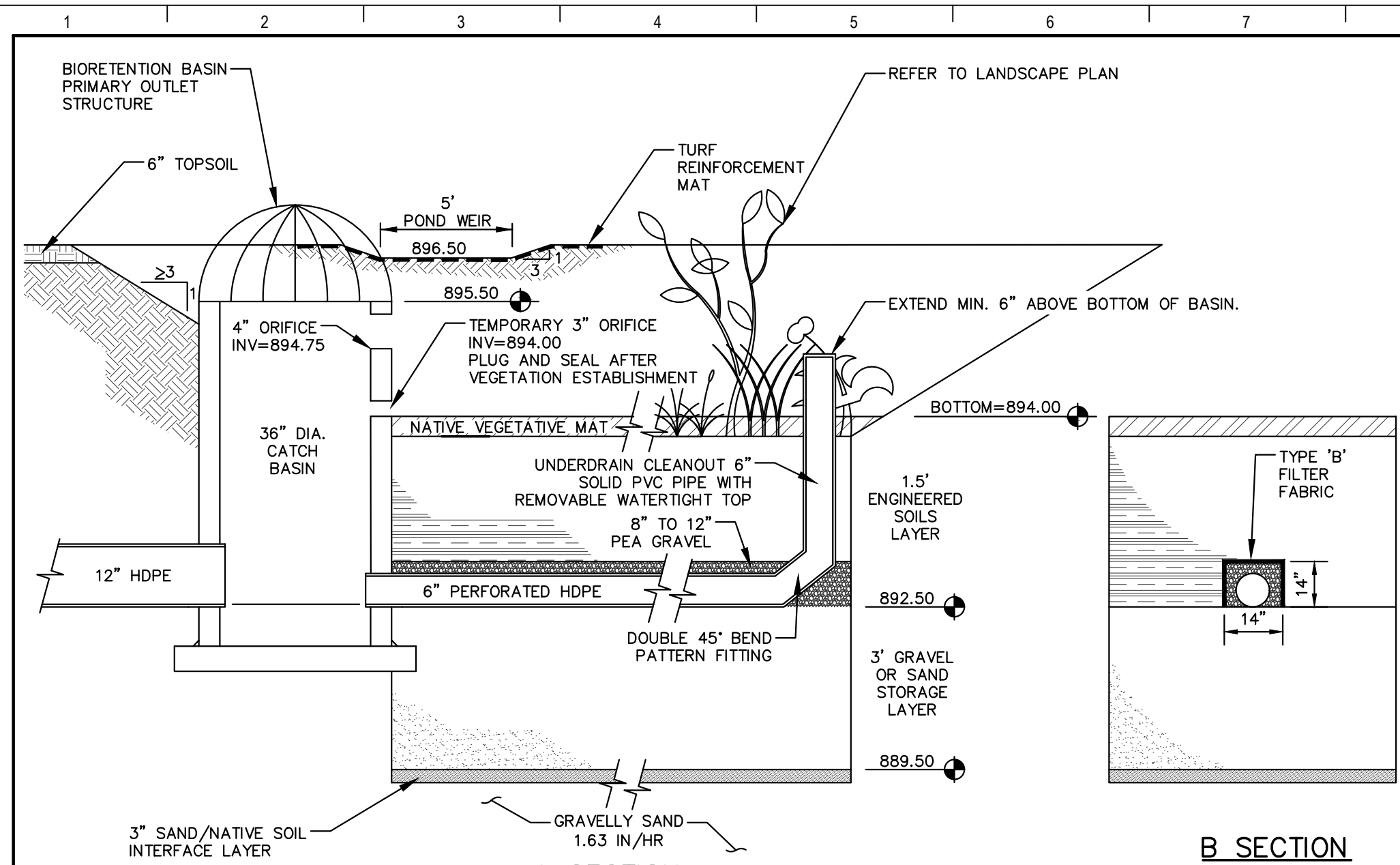
1. INSTALL PERIMETER SILT FENCE, INLET PROTECTION AND TEMPORARY CONSTRUCTION ENTRANCE.
  2. STRIP AND STOCKPILE TOPSOIL, INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
  3. ROUGH GRADE BIORETENTION BASIN AND INSTALL BASIN OUTLET.
  4. CONDUCT ROUGH GRADING EFFORTS AND INSTALL CHECK DAMS WITHIN DRAINAGE DITCHES AS NEEDED.
  5. INSTALL UTILITY PIPING AND STRUCTURES, IMMEDIATELY INSTALL INLET PROTECTION.
  6. COMPLETE FINAL GRADING, INSTALLATION OF GRAVEL BASE COURSES, PLACEMENT OF CURBS, PAVEMENTS, WALKS, ETC.
  7. PLACE TOPSOIL AND IMMEDIATELY STABILIZE DISTURBED AREAS WITH EROSION CONTROL MEASURES AS INDICATED ON PLANS.
  8. RESTORE BIORETENTION BASIN (FINAL GRADE RETENTION BASIN PER PLAN REQUIREMENTS)
  9. EROSION CONTROLS SHALL NOT BE REMOVED UNTIL SITE IS FULLY STABILIZED OR 70% VEGETATIVE COVER IS ESTABLISHED.
- CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM NO. 1 AS NEEDED TO COMPLETE CONSTRUCTION IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS.

**GRADING AND SEEDING NOTES**

1. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPUTATIONS OF ALL GRADING QUANTITIES. WHILE JSD PROFESSIONAL SERVICES, INC. ATTEMPTS TO PROVIDE A COST EFFECTIVE APPROACH TO BALANCE EARTHWORK, GRADING DESIGN IS BASED ON MANY FACTORS, INCLUDING SAFETY, AESTHETICS, AND COMMON ENGINEERING STANDARDS OF CARE. THEREFORE, NO GUARANTEE CAN BE MADE FOR A BALANCED SITE.
3. PARKING LOT AND DRIVEWAY ELEVATIONS ARE PAVEMENT GRADES, NOT TOP OF CURB GRADES, UNLESS OTHERWISE NOTED.
4. ANY WORK WITHIN RIGHT-OF-WAY SHALL BE PROPERLY PERMITTED AND COORDINATED WITH THE APPROPRIATE OFFICIALS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. ALL GRADING WITHIN RIGHT-OF-WAY IS SUBJECT TO APPROVAL BY SAID OFFICIALS.
5. CONTRACTOR SHALL PROVIDE NOTICE TO THE MUNICIPALITY IN ADVANCE OF ANY SOIL DISTURBING ACTIVITIES, IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.
6. ALL DISTURBED AREAS SHALL BE SODDED AND/OR SEEDDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SOD/SEED MIX TO BE IN ACCORDANCE WITH LANDSCAPE PLAN.
7. CONTRACTOR SHALL CHISEL-PLOW OR DEEP TILL WITH DOUBLE TINES ALL STORMWATER MANAGEMENT FACILITIES JUST PRIOR TO SODDING AND/OR SEEDING AND MULCHING TO PROMOTE INFILTRATION.
8. CONTRACTOR SHALL WATER ALL NEWLY SODDED/SEEDDED AREAS DURING THE SUMMER MONTHS WHENEVER THERE IS A 7 DAY LAPSE WITH NO SIGNIFICANT RAINFALL.
9. CONTRACTOR TO DEEP TILL ALL COMPACTED PERVIOUS SURFACES PRIOR TO SODDING AND/OR SEEDING AND MULCHING.
10. ALL SLOPES 20% OR GREATER SHALL BE TEMPORARY SEEDDED, MULCHED, OR OTHER MEANS OF COVER PLACED ON THEM WITHIN 2 WEEKS OF DISTURBANCE.
11. ALL EXPOSED SOIL 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 AND REQUIRE VEGETATIVE COVER FOR LESS THAN 1 YEAR, REQUIRE TEMPORARY SEEDING FOR EROSION CONTROL. SEEDING FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1059 AND CITY OF STOUGHTON ORDINANCE.







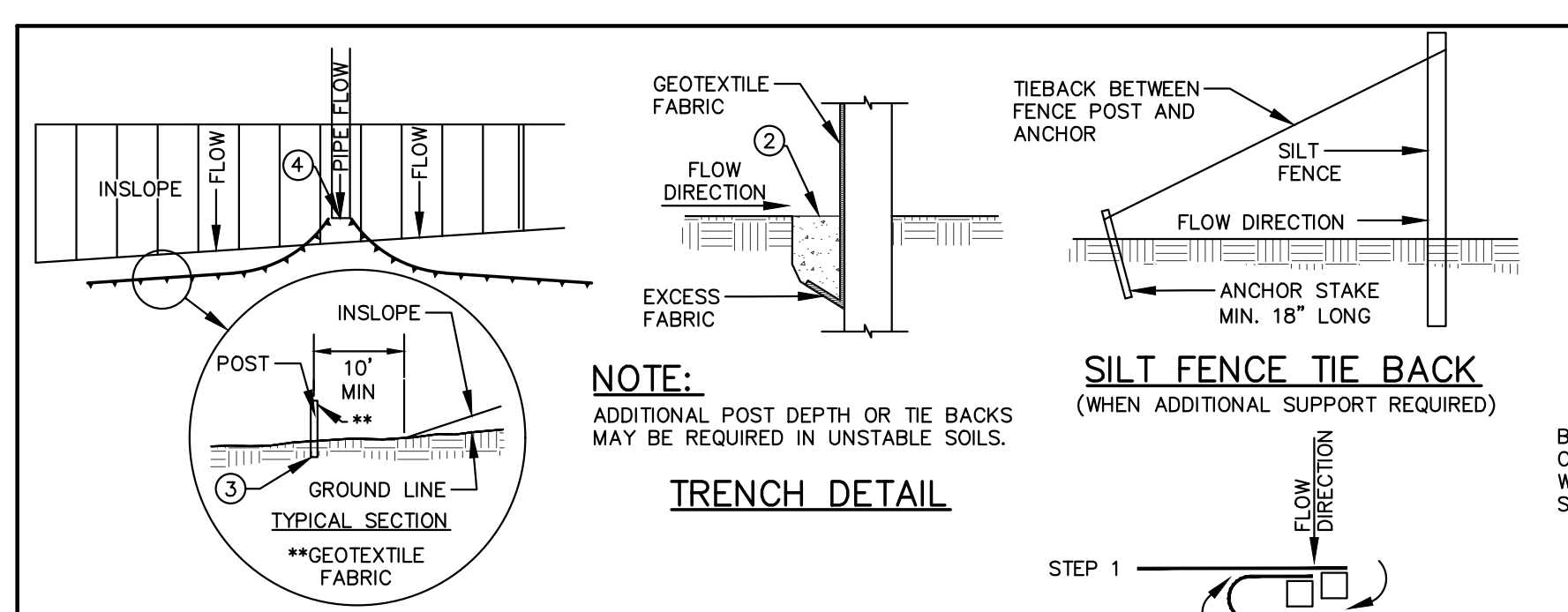
- GENERAL NOTES:**
- ALL CONSTRUCTION PRACTICES SHALL MEET THE SPECIFICATIONS OF THE WDNR TECHNICAL STANDARD 1004 - BIORETENTION FOR INFILTRATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THIS STANDARD AND CONSTRUCT THE BIORETENTION DEVICE IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED THEREIN.
  - CONTRACTOR SHALL INSTALL 18" OF ENGINEERED SOIL CONSISTING OF: 85% ASTM C33 SAND, 15% CERTIFIED COMPOST (SEE GENERAL NOTE 3).
  - CERTIFIED COMPOST SHALL CONSIST OF: >40% ORGANIC MATTER, <60% ASH CONTENT, pH OF 6-8, AND MOISTURE CONTENT OF 35-50% BY WEIGHT.
  - SAND/GRAVEL STORAGE LAYER SHALL CONSIST OF SAND OR GRAVEL MATERIAL MEETING THE SPECIFICATIONS IN SECTION V.B.7 OF WDNR TECHNICAL STANDARD 1004.
  - SAND/NATIVE SOIL INFILTRATION LAYER SHALL BE FORMED BY A LAYER OF SAND 3 INCHES DEEP, WHICH IS VERTICALLY MIXED WITH THE NATIVE SOIL TO A DEPTH OF 2-4 INCHES.
  - CONFIRM WITH GEOTECHNICAL ENGINEER THAT THE SILT LOAM SOIL PROFILE HAS BEEN REACHED PRIOR TO BACKFILLING THE BIORETENTION BASIN. DEEP TILL MINIMUM 2 FEET OF NATIVE SOIL TO PROMOTE INFILTRATION.
  - IF ADDITIONAL EXCAVATION IS REQUIRED BELOW THE SAND SOIL PROFILE TO REACH THE LISTED NATIVE SOIL LAYER, THE BACKFILL USED TO RETURN THE BOTTOM OF THE BIORETENTION SYSTEM TO THE BOTTOM OF THE SAND LAYER ELEVATION MUST HAVE AN EQUAL OR HIGHER INFILTRATION RATE THAN THE LISTED NATIVE SOIL LAYER AS CONFIRMED BY A GEOTECHNICAL ENGINEER.
  - FILTER FABRIC SHALL BE PLACED ABOVE AND ON THE SIDES OF THE PERFORATED PIPE, BETWEEN THE PEA GRAVEL AND THE ENGINEERED SOIL, A WIDTH OF 4 FEET CENTERED OVER THE FLOW LINE OF THE PIPE.
  - ANNUAL RYE GRASS SHALL BE SEEDING AT 40 LB/ACRE WITH THE SEED MIX IN THE AREAS SURROUNDING THE BASIN, ON SIDE SLOPES, AND OVER ANY LAND THAT DISCHARGES INTO THE BASIN FOR EROSION CONTROL WHEN BASIN IS BROUGHT ON-LINE. ROOTSTOP AND PLUGS ARE REQUIRED TO ESTABLISH VEGETATION AT THE INVERT OF THE BASIN.
  - RUNOFF MUST INFILTRATE WITHIN 24-HOURS. BASINS UNABLE TO MAINTAIN THESE RATES MUST BE DEEP TILLED, REGRADED, AND IF NECESSARY REPLANTED TO RESTORE ORIGINAL INFILTRATION RATES.
  - ALL WORK TO BE CONDUCTED IN CONFORMANCE WITH APPLICABLE LOCAL, REGIONAL, AND STATE STORMWATER STANDARDS FOR THE PROJECT SITE AS APPROVED BY THE REGULATORY ENGINEER.
  - SEE LANDSCAPING PLAN AND CONSULT WITH LANDSCAPE ARCHITECT OR ECOLOGICAL PLANTING AGENCY FOR APPROPRIATE SEED MIX, PLANTS AND PLANTING CONFIGURATIONS.
- NOTE:**  
INFILTRATION DEVICES ARE DESIGNED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR), COUNTY, MUNICIPALITY, AND ENGINEERING STANDARD OF CARE. ALL DESIGNATED INFILTRATION AREAS (e.g. RAIN GARDENS, INFILTRATION BASINS, BIORETENTION DEVICES) SHALL BE FENCED PRIOR TO CONSTRUCTION AND REMAIN UNDISTURBED AND PROTECTED DURING THE CONSTRUCTION OF PROPOSED SITE IMPROVEMENTS. PROPOSED BIORETENTION DEVICES SHALL NOT BE CONSTRUCTED UNTIL THE DEVICE'S CONTRIBUTING WATERSHED AREA MEETS ESTABLISHED VEGETATION REQUIREMENTS SET FORTH WITHIN THE RESPECTIVE WETLAND TECHNICAL STANDARDS. IF THE LOCATION OF THE INFILTRATION AREA CONFLICTS WITH CONSTRUCTION STAGING AND/OR CONSTRUCTION TRAFFIC AND IS DISTURBED, COMPACTION MITIGATION WILL BE REQUIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR IS REQUIRED TO PROVIDE QUALIFIED STAFF FOR INSPECTION AND OBSERVATION OF THE CONSTRUCTION ACTIVITIES RELATING TO ALL JOB SITE REGULATORY COMPLIANCE INCLUDING THE PROTECTION AND CONSTRUCTION OF ALL STORMWATER MANAGEMENT FEATURES. ANY OBSERVATION OF PLAN OR SITE DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.

**BIORETENTION BASIN**  
N.T.S.

THE STORMWATER MANAGEMENT FEATURES CONTAINED WITHIN THIS PLAN SET HAVE BEEN DESIGNED IN ACCORDANCE WITH APPLICABLE STANDARDS SET FORTH IN WISCONSIN DNR NR151 AND LOCAL ORDINANCES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER CONSTRUCTION PRACTICES HAVE BEEN UTILIZED AND THAT STORMWATER MANAGEMENT FEATURES HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH APPROVED DESIGN PLANS. JSD PROFESSIONAL SERVICES, INC. (JSD) SHALL NOT BE LIABLE FOR ANY CONSTRUCTION PRACTICES OR INSTALLATION WHICH DEVIATES FROM THE APPROVED PLAN SET. ONCE THE OWNER HAS PROVIDED FINAL APPROVAL TO THE WORK PERFORMED BY THE CONTRACTOR AND ENSURED COMPLIANCE WITH THE PLAN, IT IS THE OWNER'S RESPONSIBILITY TO MAINTAIN STORMWATER MANAGEMENT FEATURES IN ACCORDANCE WITH THE RECORDED MAINTENANCE AGREEMENT. PROPER OPERATION IS DEPENDENT ON A MULTITUDE OF VARIABLES INCLUDING WEATHER. THESE COMPONENTS REQUIRE ONGOING MAINTENANCE FOR WHICH THE OWNER IS RESPONSIBLE. JSD TAKES NO RESPONSIBILITY FOR PROPER OPERATION OF THE WATER QUALITY COMPONENTS.

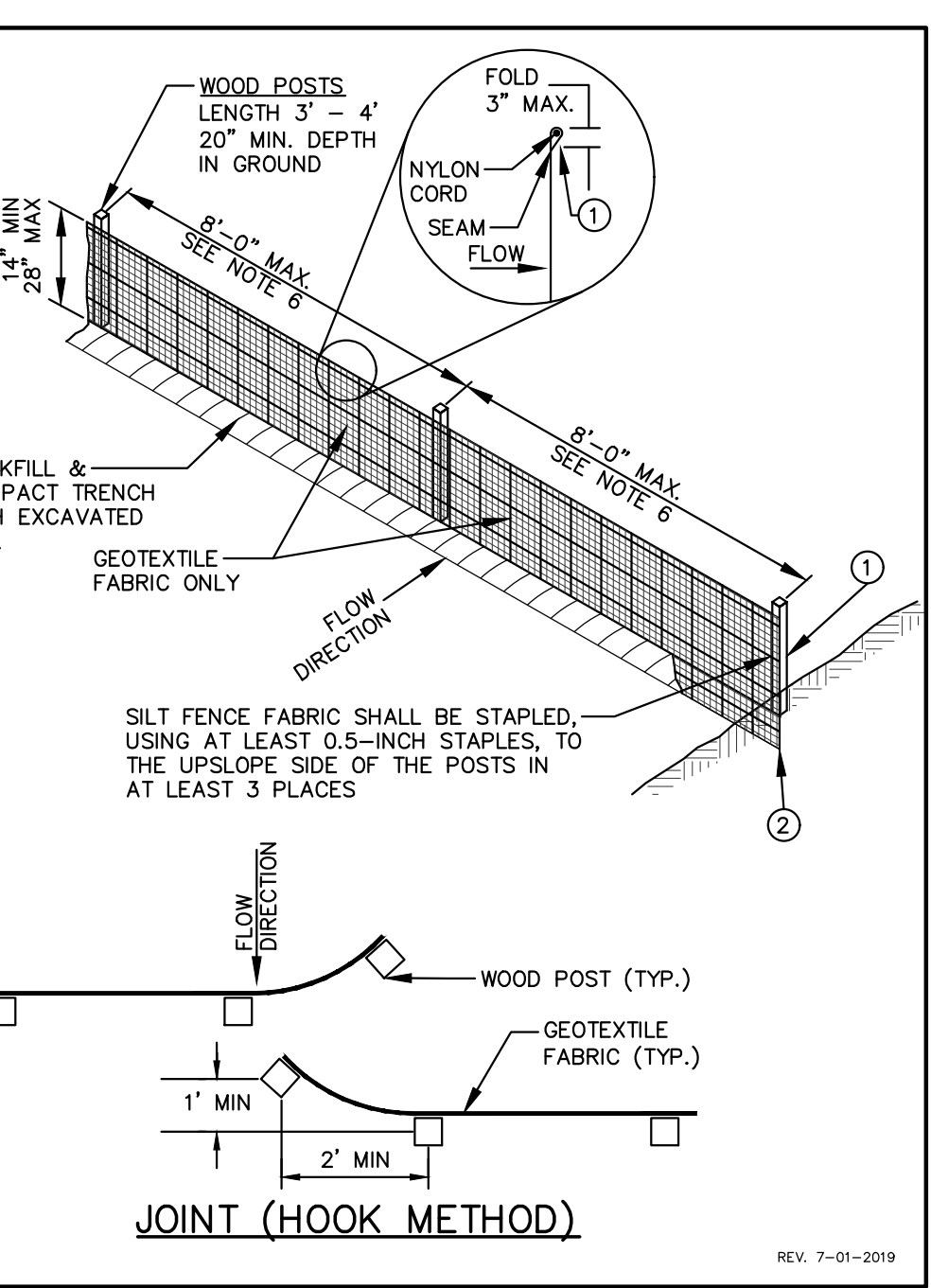
**SAND STORAGE LAYER:** IF NATIVE SOIL INFILTRATION RATES ARE GREATER THAN OR EQUAL TO THE DESIGN SAND LAYER (3.6 IN/HR), NATIVE SOILS MAY BE USED. GEOTECHNICAL CONSULTANT SHALL PROVIDE THIS INFORMATION IN WRITTEN DOCUMENTATION FOR VERIFICATION PRIOR TO CONSTRUCTION.

**AS-BUILT SURVEY AND CERTIFICATION:** UPON CONSTRUCTION COMPLETION AND STABILIZATION, AN AS-BUILT SURVEY IS TO BE CONDUCTED FOR BASIN AND CERTIFIED BY THE ISSUING ENGINEER. SURVEYOR IS TO CONFIRM THE TEMPORARY 3" ORIFICE IN THE BIORETENTION BASIN OUTLET HAS BEEN PLUGGED AND SEALED. AS-BUILT PLANS ARE TO BE SUBMITTED TO MUNICIPALITY FOR FINAL APPROVAL.

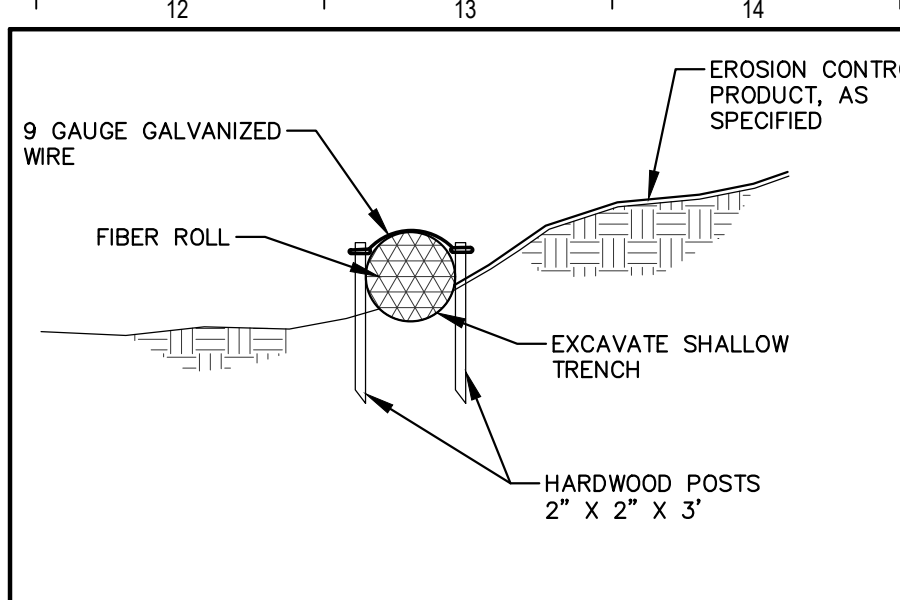


- GENERAL NOTES:**
- SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8-INCHES OF FABRIC IN A 4-INCH WIDE AND 6-INCH DEEP TRENCH OR 6-INCH DEEP V-TRENCH ON THE UPSLOPE SIDE OF THE FENCE. TRENCHES SHALL NOT BE EXCAVATED WIDER OR DEEPER THAN NECESSARY FOR PROPER INSTALLATION.
  - FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.
  - WOOD POSTS SHALL BE A MINIMUM SIZE OF 1.125-INCHES x 1.125-INCHES OF DRIED OAK OR HICKORY.
  - SILT FENCE TO EXTEND ABOVE THE TOP OF PIPE.
  - SILT FENCE CONSTRUCTION AND GEOTEXTILE FABRIC SHALL CONFORM TO WDNR TECHNICAL STANDARD 1056.
  - POST SPACING SHALL BE SELECTED BASED ON GEOTEXTILE FABRIC (8- FEET FOR WOVEN & 3- FEET FOR NON-WOVEN)

**SILT FENCE**  
N.T.S.

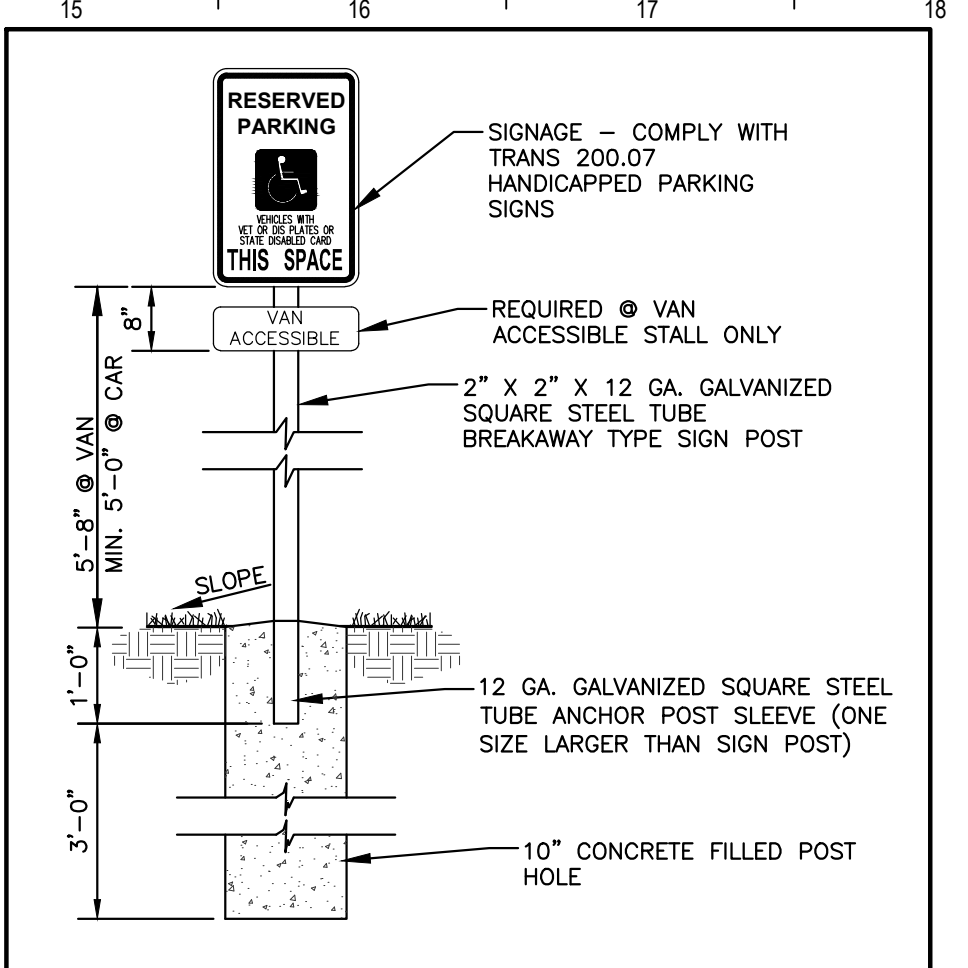


**JOINT (HOOK METHOD)**  
N.T.S.



- GENERAL NOTES:**
- EXCAVATE A SHALLOW TRENCH SLIGHTLY BELOW BASEFLOW OR A 4" TRENCH ON SLOPE CONTOURS.
  - PLACE THE ROLL IN THE TRENCH AND ANCHOR WITH 2" X 2" POSTS PLACED ON BOTH SIDES OF THE ROLL AND SPACED LATERALLY ON 2' TO 4' CENTERS. TRIM THE TOP OF THE POSTS EVEN WITH THE EDGE OF THE ROLL, IF NECESSARY.
  - NOTCH THE POSTS AND TIE TOGETHER, ACROSS THE ROLL, WITH 9 GAUGE GALVANIZED WIRE OR 1/8" DIAMETER BRAIDED NYLON ROPE.
  - PLACE SOIL EXCAVATED FROM THE TRENCH BEHIND THE ROLL AND HAND TAMP. PLANT WITH SUITABLE HERBACEOUS OR WOODY VEGETATION AS SPECIFIED.

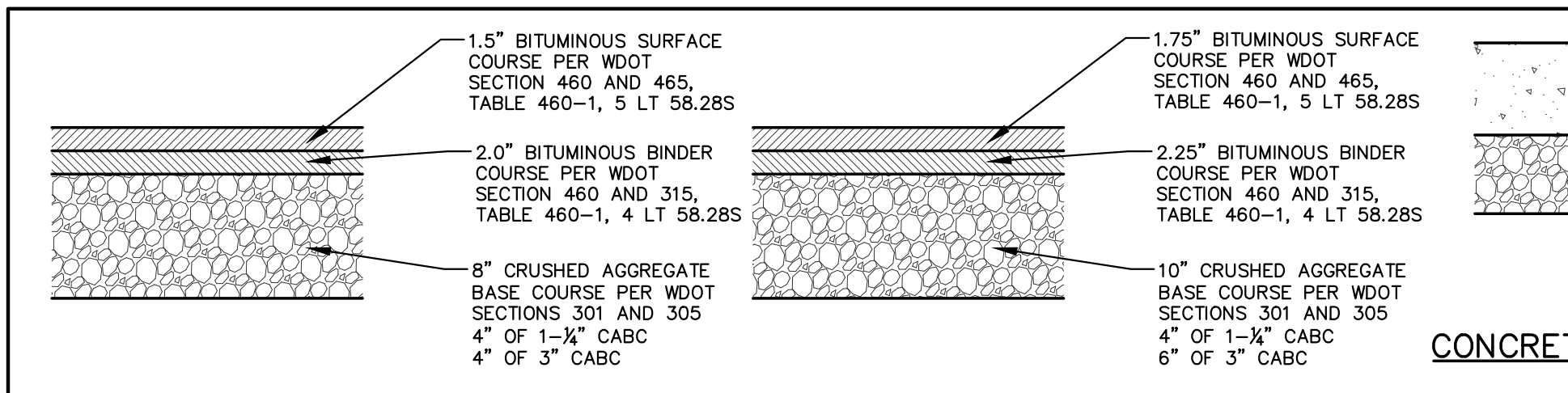
**FIBER SILT SOCK**  
N.T.S.



**ADA SIGN**  
N.T.S.

REV. 12-7-2018

REV. 7-01-2019

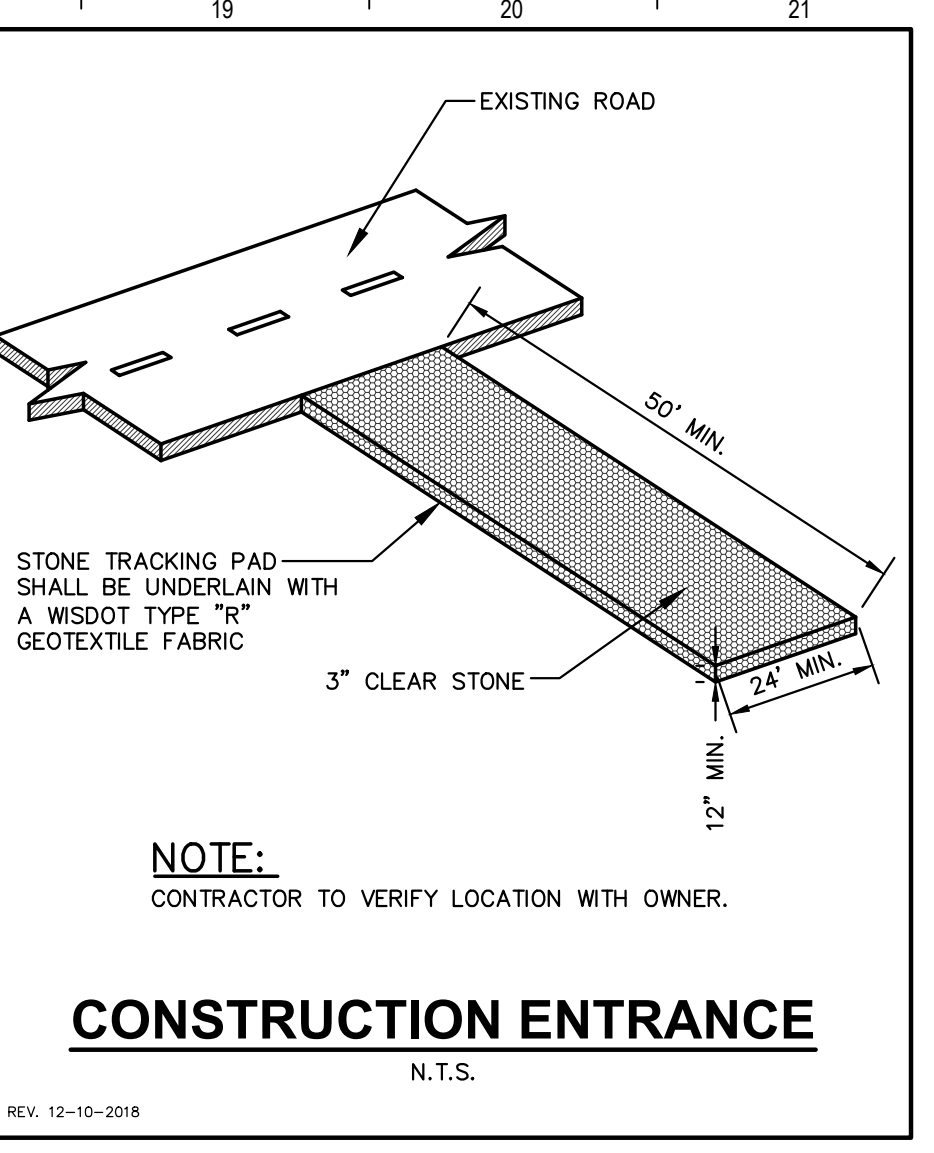


**STANDARD ASPHALT PAVEMENT SECTION**

**HEAVY DUTY ASPHALT PAVEMENT SECTION**

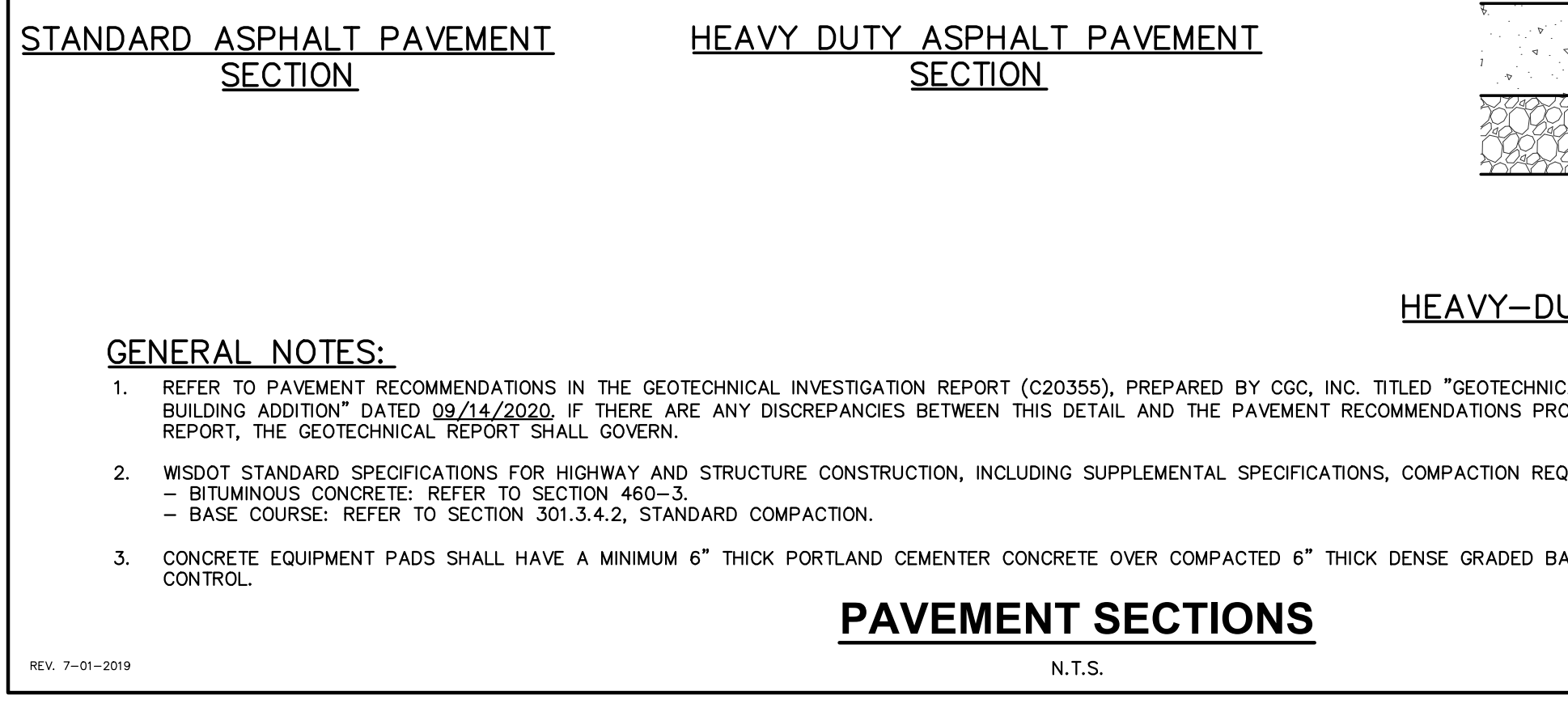
REV. 7-01-2019

N.T.S.



**CONSTRUCTION ENTRANCE**  
N.T.S.

REV. 12-10-2018

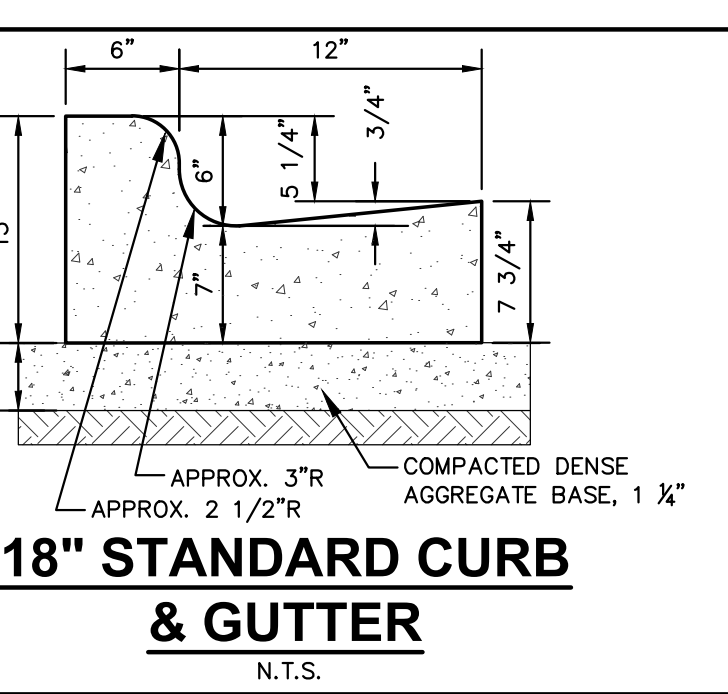


**CONCRETE SIDEWALK SECTION**

**HEAVY-DUTY CONCRETE SECTION**

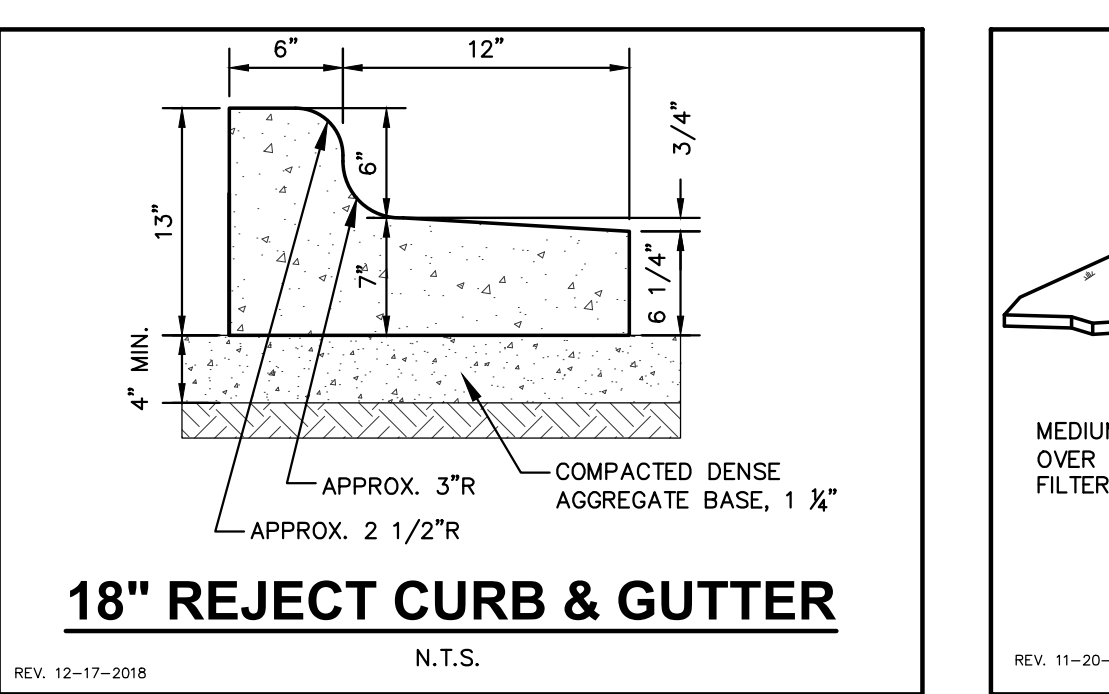
- GENERAL NOTES:**
- REFER TO PAVEMENT RECOMMENDATIONS IN THE GEOTECHNICAL INVESTIGATION REPORT (C20355), PREPARED BY CGC, INC. TITLED "GEOTECHNICAL EXPLORATION REPORT - PROPOSED BUILDING ADDITION" DATED 03/14/2020. IF THERE ARE ANY DISCREPANCIES BETWEEN THIS DETAIL AND THE PAVEMENT RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL INVESTIGATION REPORT, THE GEOTECHNICAL REPORT SHALL GOVERN.
  - WSDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, INCLUDING SUPPLEMENTAL SPECIFICATIONS, COMPACTION REQUIREMENTS: - BITUMINOUS CONCRETE: REFER TO SECTION 460-3. - BASE COURSE: REFER TO SECTION 301.3.4.2, STANDARD COMPACTION.
  - CONCRETE EQUIPMENT PADS SHALL HAVE A MINIMUM 6" THICK PORTLAND CEMENTER CONCRETE OVER COMPACTED 6" THICK DENSE GRADED BASE WITH REINFORCEMENT FOR CRACK CONTROL.

**PAVEMENT SECTIONS**  
N.T.S.



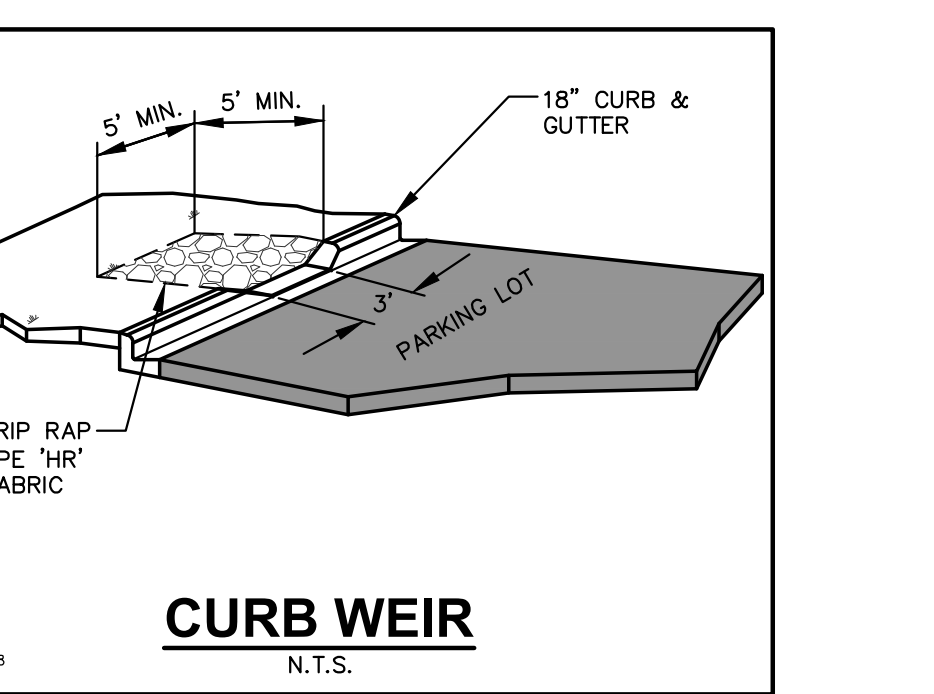
**18" STANDARD CURB & GUTTER**  
N.T.S.

REV. 12-17-2018



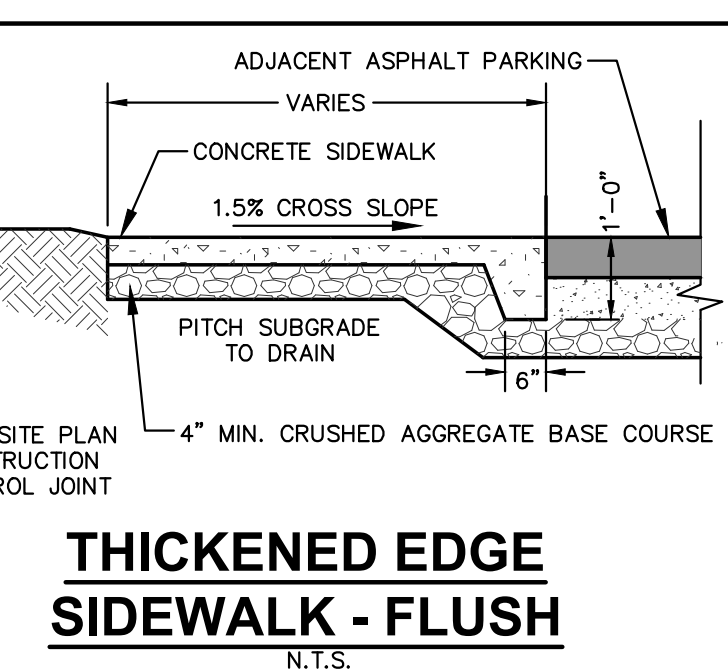
**18" REJECT CURB & GUTTER**  
N.T.S.

REV. 12-17-2018



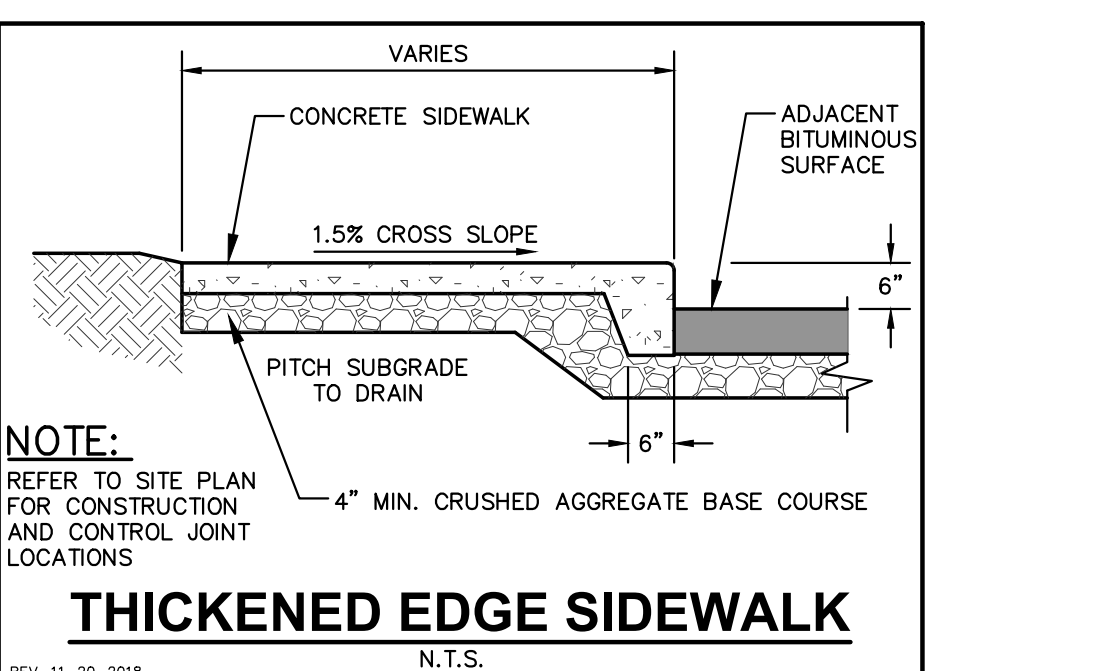
**CURB WEIR**  
N.T.S.

REV. 11-20-2018



**THICKENED EDGE SIDEWALK - FLUSH**  
N.T.S.

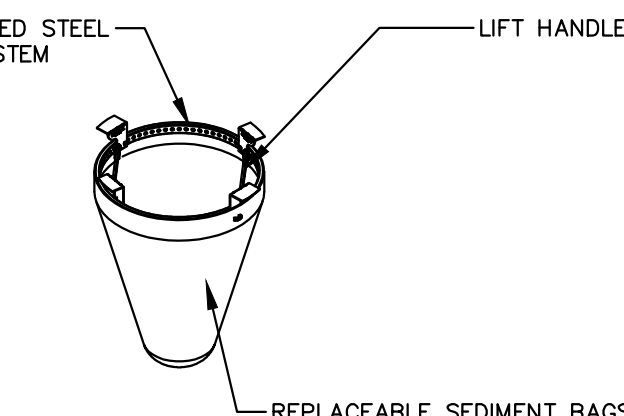
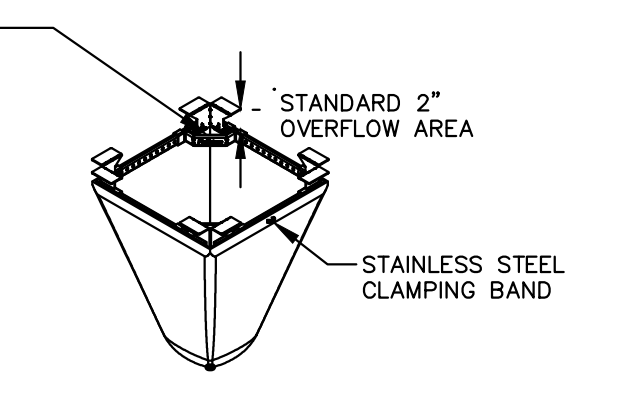
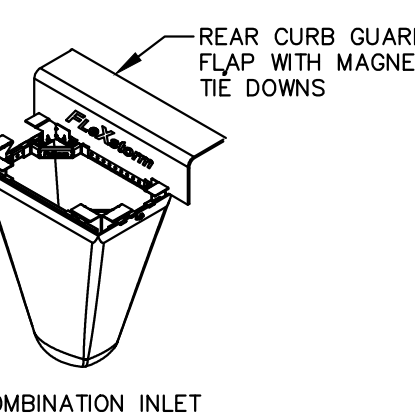
REV. 11-20-2018



**THICKENED EDGE SIDEWALK**  
N.T.S.

REV. 11-20-2018

### FLEXSTORM CATCH-IT FILTERS FOR TEMPORARY INLET PROTECTION PRODUCT SELECTION AND SPECIFICATION DRAWING

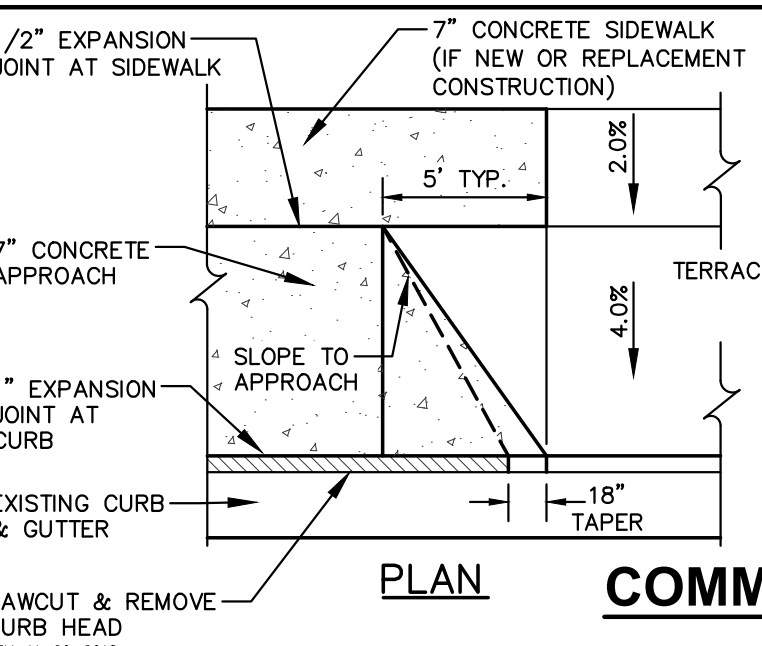
**1. IDENTIFY YOUR FRAME STYLE AND SIZE**

STYLE	FRAME STYLE AND SIZE	Frame P/N:																								
ROUND	Small Round (up to 20.0\" data-bbox="55 175 185 295"> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Nominal Bag Size</th> <th>Solids Storage (CuFt)</th> <th>Filtered Flow Rate at 50% Max (CF5)</th> <th>FX (Woven)</th> <th>IL (NonWoven)</th> </tr> </thead> <tbody> <tr> <td>Small</td> <td>1.6</td> <td>1.2</td> <td>0.9</td> <td></td> </tr> <tr> <td>Medium</td> <td>2.1</td> <td>1.7</td> <td>1.3</td> <td></td> </tr> <tr> <td>Large</td> <td>3.8</td> <td>2.7</td> <td>1.9</td> <td></td> </tr> <tr> <td>XL</td> <td>4.2</td> <td>3.6</td> <td>2.6</td> <td></td> </tr> </tbody> </table>	Nominal Bag Size	Solids Storage (CuFt)	Filtered Flow Rate at 50% Max (CF5)	FX (Woven)	IL (NonWoven)	Small	1.6	1.2	0.9		Medium	2.1	1.7	1.3		Large	3.8	2.7	1.9		XL	4.2	3.6	2.6	
	Nominal Bag Size	Solids Storage (CuFt)	Filtered Flow Rate at 50% Max (CF5)	FX (Woven)	IL (NonWoven)																					
	Small	1.6	1.2	0.9																						
Medium	2.1	1.7	1.3																							
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XL	4.2	3.6	2.6																							

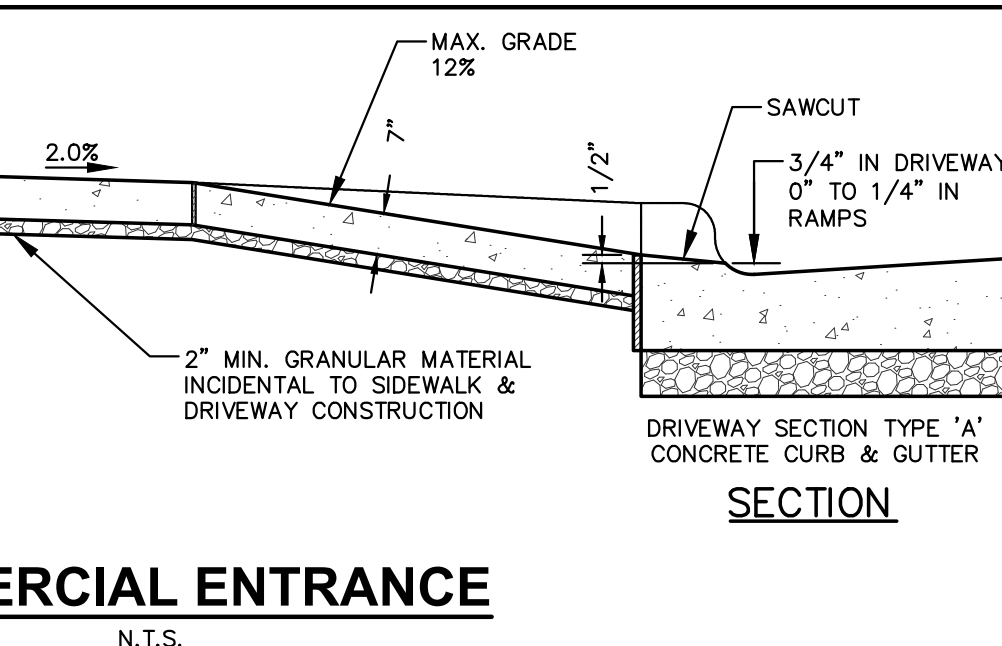
**2. SELECT YOUR BAG PART NUMBER**

FLEXSTORM FILTER BAGS	(12\" data-bbox="55 300 185 395"> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Frame P/N from Step 1.</th> <th>Filter Bag P/N from Step 2.</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	Frame P/N from Step 1.	Filter Bag P/N from Step 2.		
Frame P/N from Step 1.	Filter Bag P/N from Step 2.				

### COMMERCIAL ENTRANCE

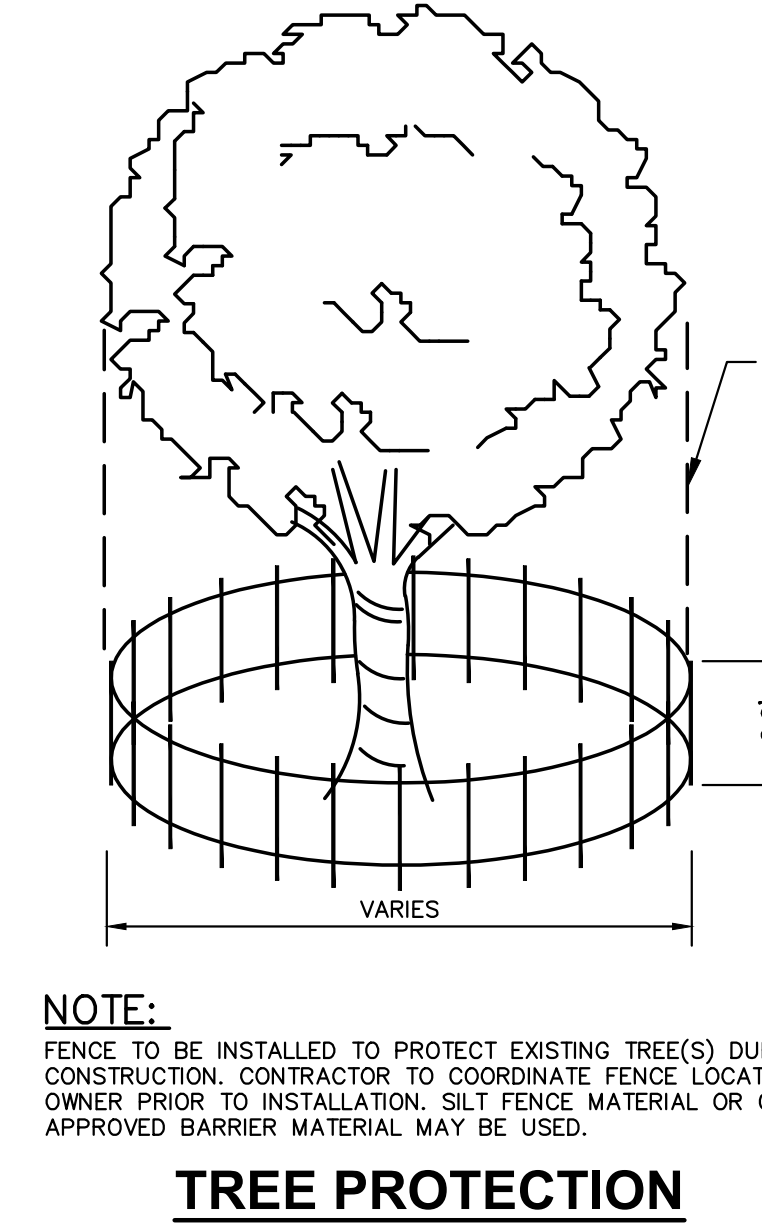


**PLAN**



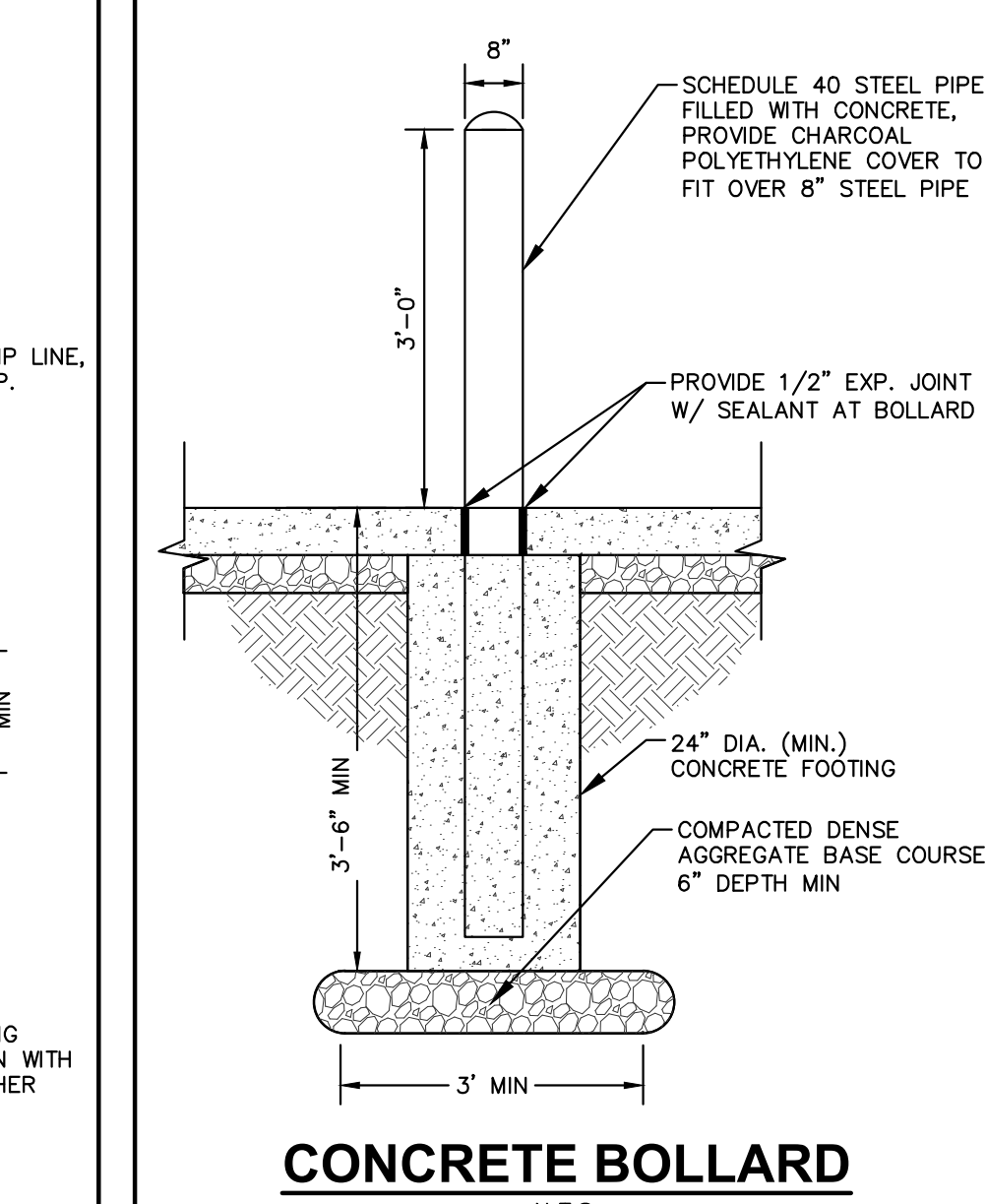
**SECTION**

N.T.S.



**TREE PROTECTION**

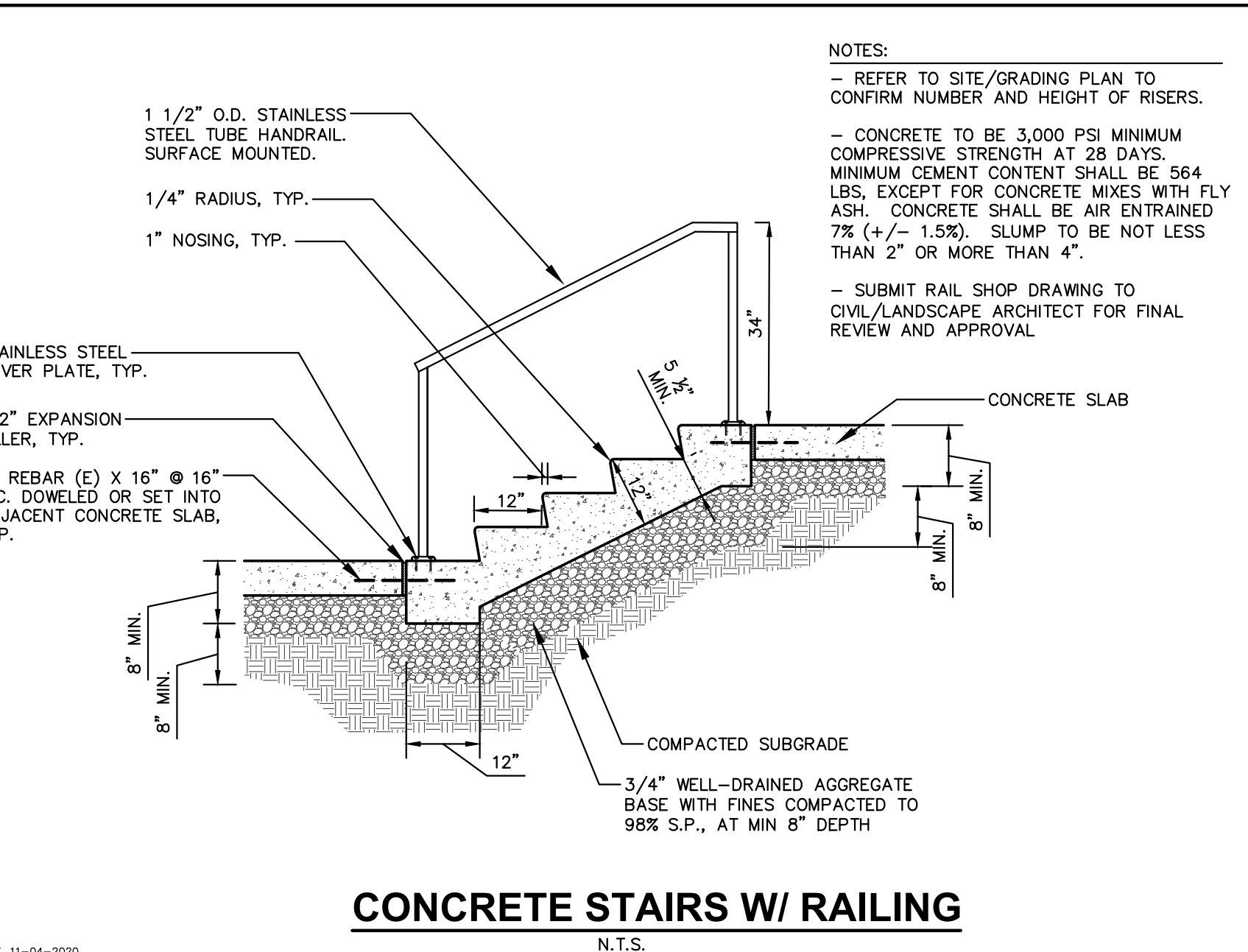
N.T.S.



**CONCRETE BOLLARD**

N.T.S.

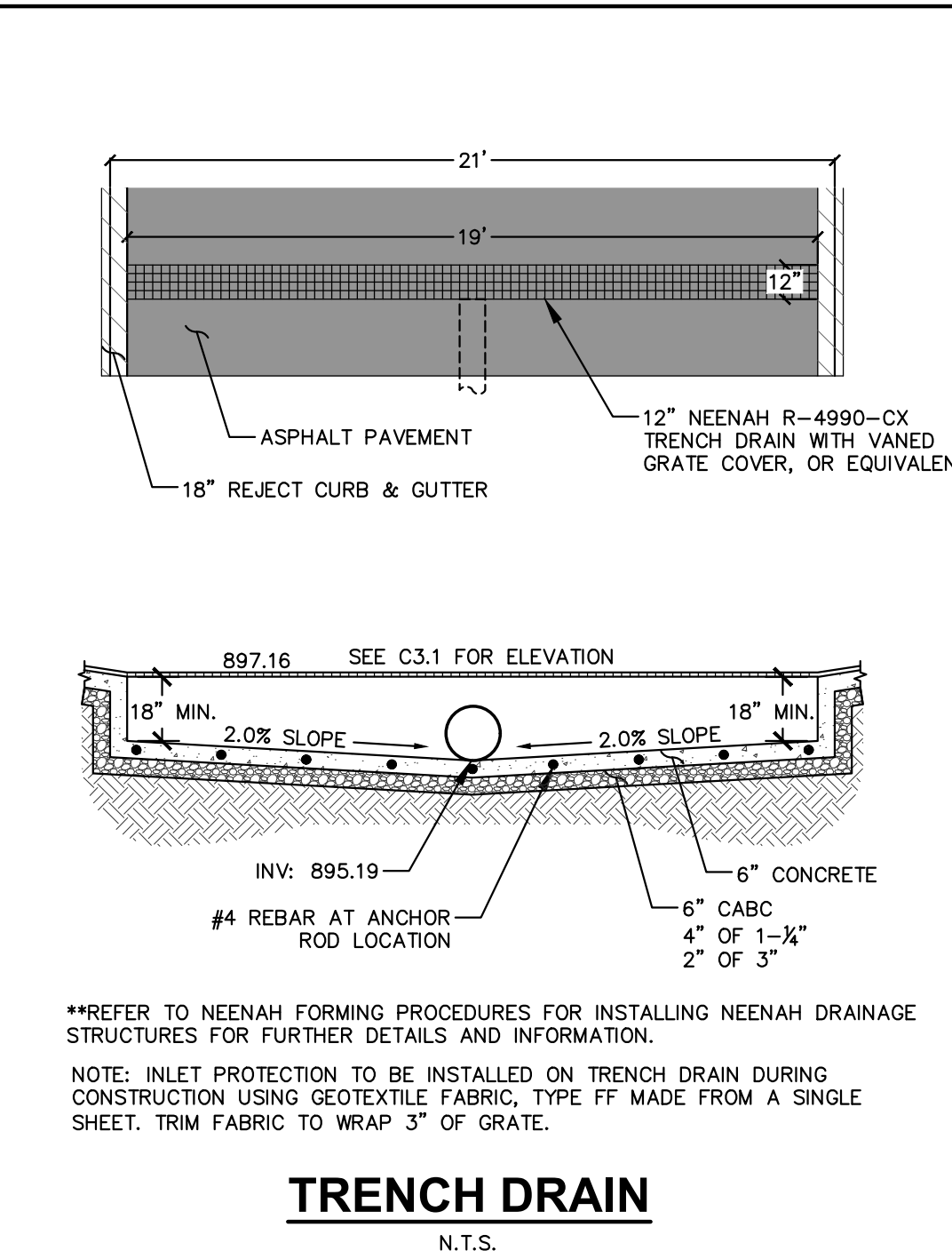
### CONCRETE STAIRS W/ RAILING



N.T.S.

### TRENCH DRAIN

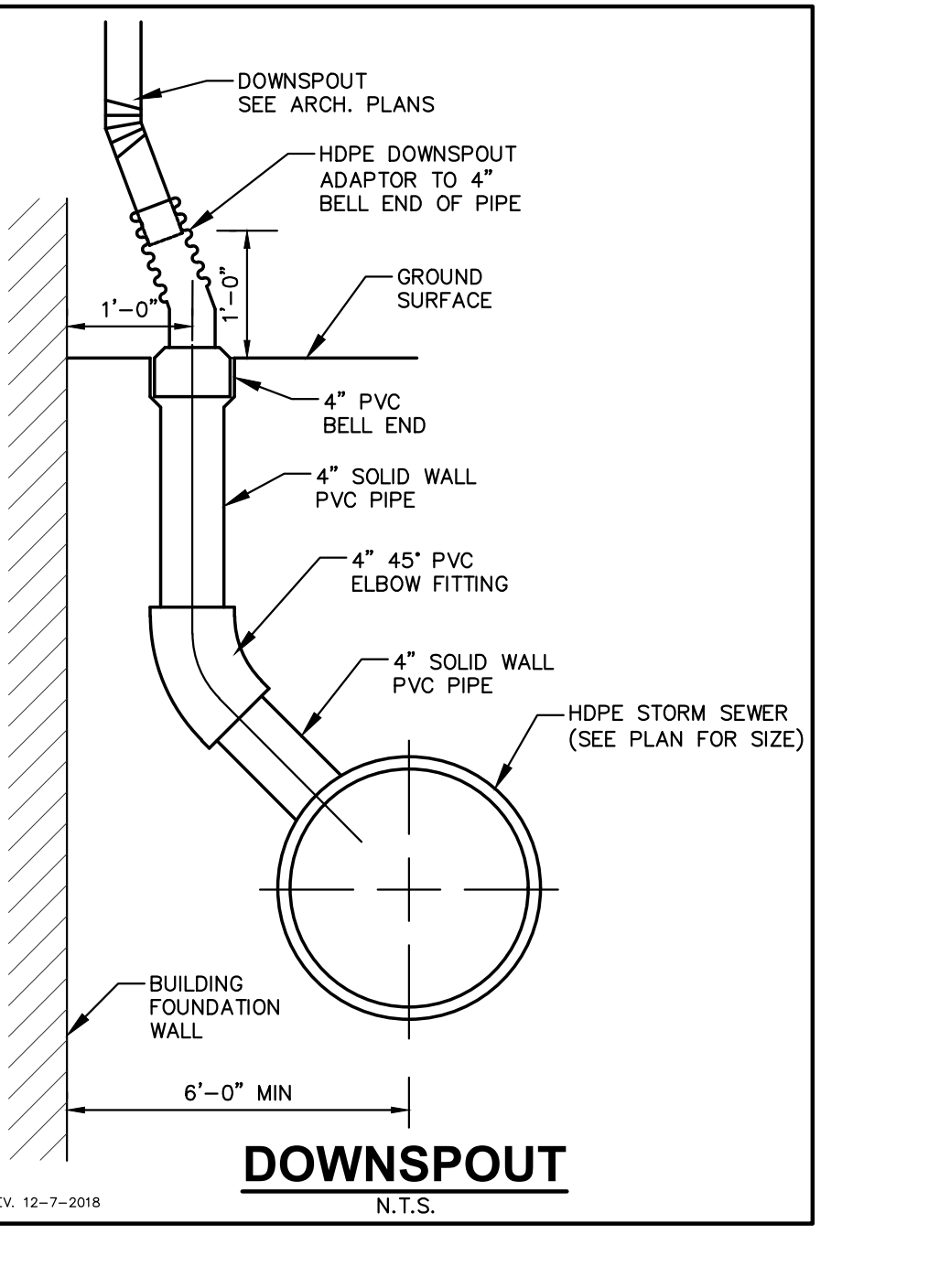
N.T.S.




NOTE: INLET PROTECTION TO BE INSTALLED ON TRENCH DRAIN DURING CONSTRUCTION USING GEOTEXTILE FABRIC, TYPE FF MADE FROM A SINGLE SHEET. TRIM FABRIC TO WRAP 3\" data-bbox="55 715 210 780"/>

### DOWNSPOUT

N.T.S.






**OPN ARCHITECTS**

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Project  
**DANE COUNTY SHERIFF'S SE  
PRECINCT REMODEL**

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Sheet Issue Date  
CONSTRUCTION DRAWINGS  
FEBRUARY 2, 2021

Revisions  
ADDENDUM 01  
SHEET RE-ISSUED  
FEBRUARY 4, 2021

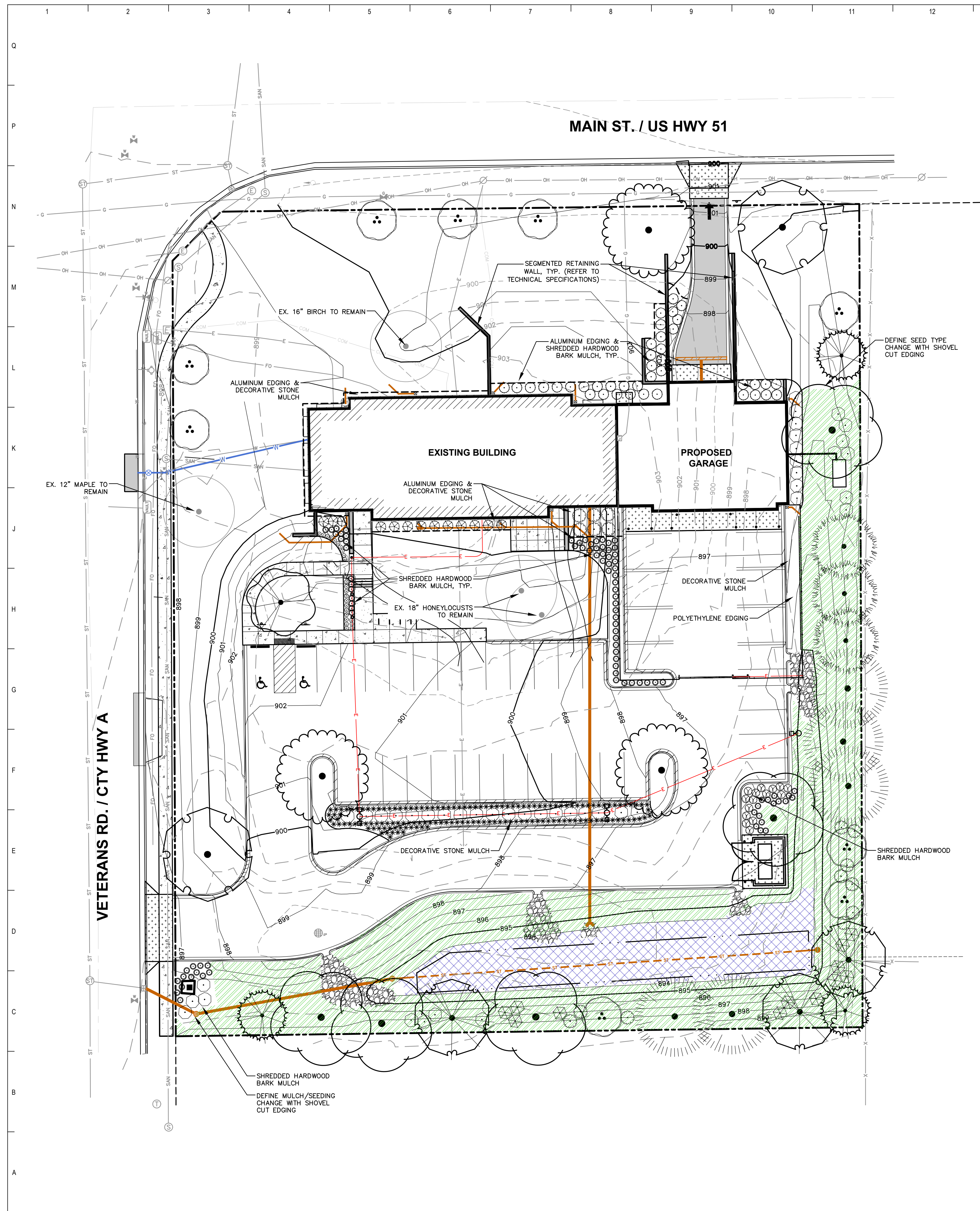
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Drawing  
DETAILS

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OPN Project No. 20628000

# C5.1



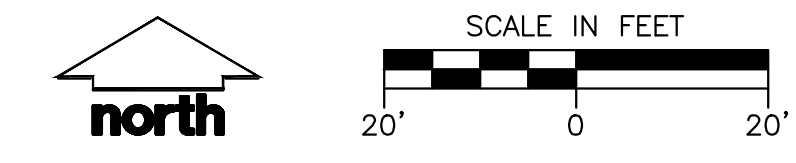
**LEGEND**

- PROPERTY LINE
- - - RIGHT-OF-WAY
- BUILDING OUTLINE
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- REJECT CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- - - 959 PROPOSED 1 FOOT CONTOUR
- - - 960 PROPOSED 5 FOOT CONTOUR
- - - 959 EXISTING 1 FOOT CONTOUR
- - - 960 EXISTING 5 FOOT CONTOUR
- - - STORMWATER MANAGEMENT AREA
- WATERMAIN
- STORM SEWER
- ELECTRICAL DISTRIBUTION
- SAN EXISTING SANITARY SEWER
- W EXISTING WATERMAIN
- ST EXISTING STORM SEWER
- SEGMENTED RETAINING WALL
- RAILING
- FENCE
- LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
- ADA PARKING SIGN
- POLYETHYLENE EDGING (UNLESS NOTED)
- ALUMINUM EDGING
- TURFGRASS SEED MIX
- PRAIRIE SEED MIX
- BIORETENTION VEGETATIVE MATTING

- GENERAL NOTES**
1. REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGEND.
  2. ALL WORK IN THE ROW SHALL BE IN ACCORDANCE WITH THE MUNICIPAL STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
  3. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
  4. DRAWING FOR REVIEW - NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.
  5. THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL FINE GRADING AND TOPSOILING WITH GENERAL CONTRACTOR
  6. REFER TO "LANDSCAPE DETAILS AND NOTES" SHEET FOR ADDITIONAL DETAILS, NOTES AND SPECIFICATION INFORMATION INCLUDING MATERIALS, GUARANTEE AND EXECUTION RELATED TO LANDSCAPE PLAN
  7. CONTRACTOR SHALL REVIEW SITE CONDITIONS FOR UTILITY CONFLICTS, DRAINAGE ISSUES, SUBSURFACE ROCK, AND PLANT PLACEMENT CONFLICTS PRIOR TO PLANT INSTALLATION. REPORT ANY CONDITIONS THAT MAY HAVE ADVERSE IMPACT ON PLANTING OPERATIONS TO LANDSCAPE ARCHITECT
  8. DO NOT COMMENCE PLANTING OPERATIONS UNTIL ALL ADJACENT SITE IMPROVEMENTS, IRRIGATION INSTALLATION (IF APPLICABLE), AND FINISH GRADING ARE COMPLETE

**COMPREHENSIVE PLANT SCHEDULE**

CLIMAX TREE	BOTANICAL / COMMON NAME	CONT	SIZE	LS POINTS	QTY
	<i>Ginkgo biloba</i> 'Autumn Gold'™ / Autumn Gold Maidenhair Tree	B & B	2" Cal	75	5
	<i>Quercus bicolor</i> / Swamp White Oak	B & B	2" Cal	75	3
MEDIUM DECIDUOUS TREES	BOTANICAL / COMMON NAME	CONT	SIZE	LS POINTS	QTY
	<i>Betula nigra</i> "BNMTF"™ / Dura Heat River Birch	B & B	Min. 6" Ht.	15	9
TALL DECIDUOUS TREES	BOTANICAL / COMMON NAME	CONT	SIZE	LS POINTS	QTY
	<i>Acer x freemanii</i> 'Marmo' / Marmo Freeman Maple	B & B	1.5" Cal	30	1
	<i>Celtis occidentalis</i> 'Prairie Pride' / Prairie Pride Hackberry	B & B	1.5" Cal	30	3
	<i>Gymnocladus dioica</i> 'Espresso' / Kentucky Coffeetree	B & B	1.5" Cal	30	2
TALL EVERGREEN TREES	BOTANICAL / COMMON NAME	CONT	SIZE	LS POINTS	QTY
	<i>Picea abies</i> / Norway Spruce	B & B	Min. 5' Ht.	40	5
	<i>Picea glauca</i> "Densata" / Black Hills Spruce	B & B	Min. 5' Ht.	40	3
	<i>Pinus strobus</i> / White Pine	B & B	Min. 5' Ht.	40	3
LOW DECIDUOUS SHRUBS	BOTANICAL / COMMON NAME	CONT	SIZE	LS POINTS	QTY
	<i>Rhus aromatica</i> "Gro-Low" / Gro-Low Fragrant Sumac	#3	Min. 18" Tall/Wide		48
LOW EVERGREEN SHRUBS	BOTANICAL / COMMON NAME	CONT	SIZE	LS POINTS	QTY
	<i>Juniperus sabina</i> "Mini-Arcadia" / Mini Arcadia Juniper	#3	Min. 12" Wide	3	13
MEDIUM DECIDUOUS SHRUBS	BOTANICAL / COMMON NAME	CONT	SIZE	LS POINTS	QTY
	<i>Physocarpus opulifolius</i> "Little Devil"™ / Dwarf Ninebark	#3	Min. 24" Ht.	3	15
PERENNIALS & GRASSES	BOTANICAL / COMMON NAME	CONT	SIZE	LS POINTS	QTY
	<i>Allium x 'Summer Beauty'</i> / Summer Beauty Allium	#1	Cont.		25
	<i>Panicum virgatum</i> "Shenandoah" / Shenandoah Switch Grass	#1	Cont.		92
	<i>Sporobolus heterolepis</i> "Tara" / Prairie Dropseed	#1	Cont.		144
TALL DECIDUOUS SHRUBS	BOTANICAL / COMMON NAME	CONT	SIZE	LS POINTS	QTY
	<i>Cornus baileyi</i> / Bailey's Red-twig Dogwood	#3	Min. 36" Ht.	5	12
	<i>Physocarpus opulifolius</i> "Center Glow" / Center Glow Ninebark	#3	Min. 36" Ht.	5	44
	<i>Viburnum dentatum</i> "Christom" / Blue Muffin Arrowwood Viburnum	#5	Min. 36" Ht.	5	16



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Sheet Issue Date  
CONSTRUCTION DRAWINGS FEBRUARY 2, 2021

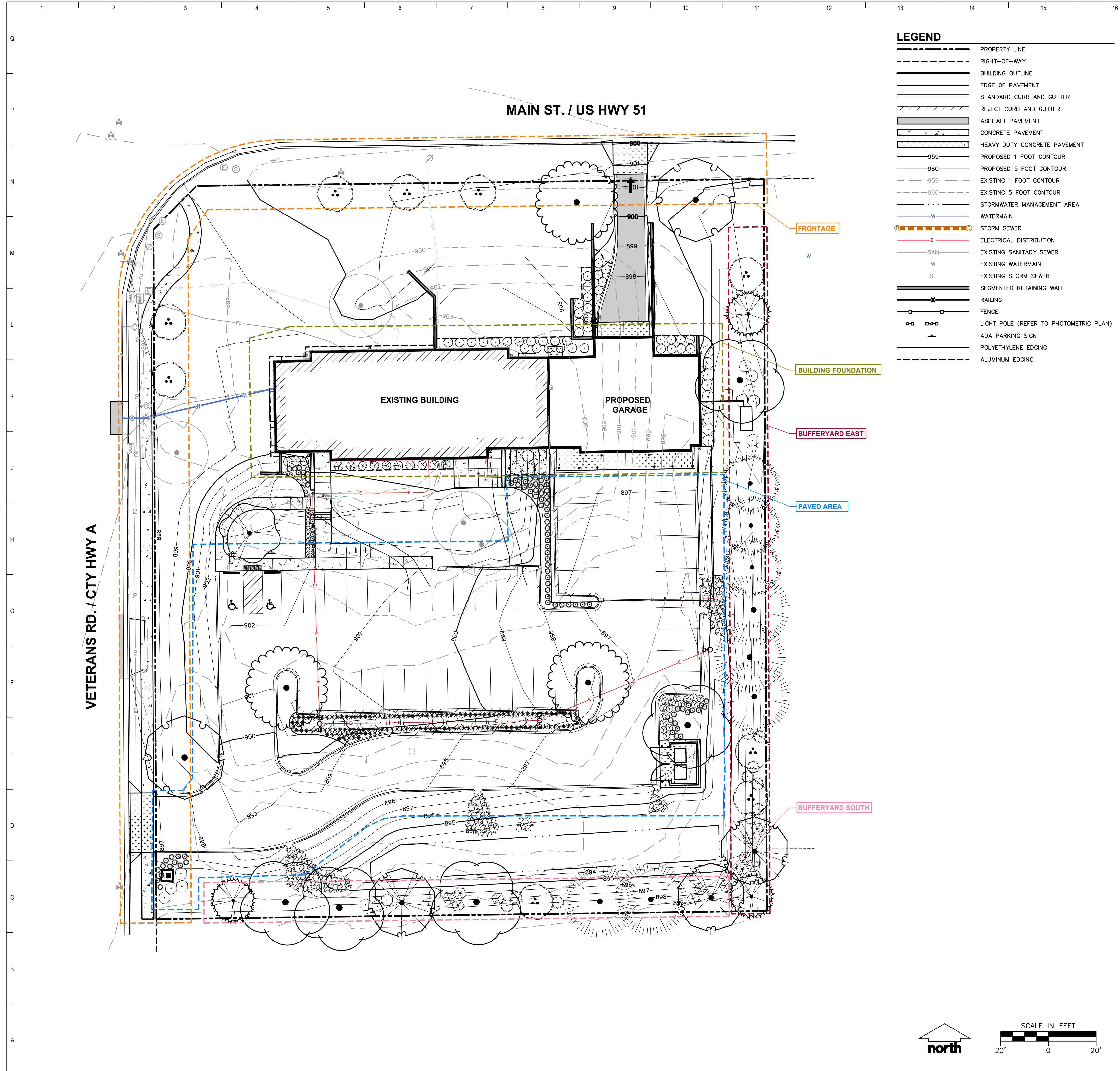
Revisions  
ADDENDUM 01 SHEET RE-ISSUED FEBRUARY 4, 2021

Drawing  
LANDSCAPE PLAN

OPN Project No. 20628000



**L1.0**



**LEGEND**

- PROPERTY LINE
- - - RIGHT-OF-WAY
- BUILDING OUTLINE
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- REJECT CURB AND GUTTER
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- RAILING
- FENCE
- LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
- ADA PARKING SIGN
- POLYETHYLENE EDGING
- ALUMINUM EDGING

**MUNICIPAL LANDSCAPE REQUIREMENTS**

**Sec. 78-604(1) BUILDING FOUNDATION (467 Linear Feet)**

Landscape Requirement: 40 Landscape Points per 100 LF of Building Perimeter  
 Calculation: 467 LF / 100 x 40 Points = 186.8  
 Total Points Required: 187 Landscape Points  
 Total Points Provided: 204 Landscape Points  
 Provisions: Plants to be located within 10 feet of building foundation. No Climax or Tall Trees

Species: Scientific Name	Species: Common Name	QTY	POINTS	TOTAL POINTS
TALL DECIDUOUS SHRUBS				
<i>Physocarpus opulifolius</i> 'Center Glow'	Center Glow Ninebark	9	5	45
<i>Viburnum dentatum</i> 'Arrowwood'	Arrowwood Viburnum	6	5	30
MEDIUM DECIDUOUS SHRUBS				
<i>Rhus aromatica</i> 'Gro-Low'	Gro-Low Sumac	30	3	90
LOW EVERGREEN SHRUBS				
<i>Juniperus sabina</i> 'Mini-Arcadia'	Mini Arcadia Juniper	13	3	39
				<b>Total Points = 204</b>

**Sec. 78-604(2) STREET FRONTAGE (553 Linear Feet)**

Landscape Requirement: 40 points per 100 LF of Street Frontage  
 Calculation: 553 LF / 100 x 40 Points = 221.2  
 Total Points Required: 222 Landscape Points  
 Total Points Provided: 225 Landscape Points  
 Provisions: Trees to be located within 10 feet of public right-of-way  
 50% (111 Points) of required points to be Climax/Tall Deciduous Trees.  
 30% (67 Points) of required points to be Medium Deciduous Trees

Species: Scientific Name	Species: Common Name	QTY	POINTS	TOTAL POINTS
EXISTING DECIDUOUS TREES				
Acer - Existing	Existing Maple (12" & 16" Cal.)	2	30	60
TALL DECIDUOUS TREES				
<i>Celtis occidentalis</i> 'Prairie Pride'	Prairie Pride Hackberry	1	30	30
<i>Gymnocladus dioica</i> 'Espresso'	Kentucky Coffeetree	2	30	60
MEDIUM DECIDUOUS TREES				
<i>Betula nigra</i> 'BNMTF' TM	Dura Heat River Birch	5	15	75
				<b>Total Points = 225</b>

**Sec. 78-604(3) PAVED AREAS (22,750 Square Feet, 41 Parking Stalls)**

Landscape Requirement: Greater of: 60 Landscape Points per 10,000 SF of Paved Area or 60 Points per 20 Parking Stalls  
 Calculation: 22,750 / 10,000 x 60 Points = 136.5 | 41 / 20 x 60 Points = 123 Points  
 Total Points Required: 137 Landscape Points  
 Total Points Provided: 295 Landscape Points  
 Provisions: Min. 30% (42 Points) to be Climax/Tall Deciduous Trees, 40% (55 Points) to be shrubs  
 Within paved area or within 10-foot of paved area

Species: Scientific Name	Species: Common Name	QTY	POINTS	TOTAL POINTS
CLIMAX TREES				
<i>Ginkgo biloba</i> 'Autumn Gold' TM	Autumn Gold Maidenhair Tree	1	75	75
TALL DECIDUOUS TREES				
<i>Celtis occidentalis</i> 'Prairie Pride'	Prairie Pride Hackberry	2	30	60
TALL DECIDUOUS SHRUBS				
<i>Physocarpus opulifolius</i> 'Center Glow'	Center Glow Ninebark	23	5	115
MEDIUM DECIDUOUS SHRUBS				
<i>Physocarpus opulifolius</i> 'Little Devil' TM	Little Devil Ninebark	15	3	45
				<b>Total Points = 295</b>

**Sec. 78-604(4) DEVELOPED LOTS (37,465 Square Feet)**

Landscape Requirement: 10 Landscape Points per 1,000 SF of Building Footprint  
 Calculation: 37,465 / 1,000 x 10 Points = 374.65  
 Total Points Required: 375 Landscape Points  
 Total Points Provided: 120 Landscape Points  
 Provisions: Located away from and not contributing to Street Frontage, Building Foundation and Parking Lot landscape point requirements

Species: Scientific Name	Species: Common Name	QTY	POINTS	TOTAL POINTS
TALL DECIDUOUS TREES				
<i>Acer x freemanii</i> 'Marmo'	Marmo Freeman Maple	1	30	30
EXISTING DECIDUOUS TREES				
<i>Betula</i> - Existing	Existing River Birch (16" Cal.)	1	30	30
<i>Gleditsia</i> - Existing	Existing Honeylocust (18" Cal.)	2	30	60
				<b>Total Points = 120</b>

**Sec. 78-206(3)(e) EAST BUFFERYARD REQUIREMENT**

Required Level of Opacity: 0.2  
 Chosen Requirement: 198 Landscape Points per 100LF @ 15' Bed Width  
 Length of Boundary: 307 LF  
 Calculation: 221 / 100 x 307 = 677.9  
 Total Points Required: 608 Landscape Points  
 Total Points Provided: 610 Landscape Points

Species: Scientific Name	Species: Common Name	QTY	POINTS	TOTAL POINTS
CLIMAX TREES				
<i>Ginkgo biloba</i> 'Autumn Gold' TM	Autumn Gold Maidenhair Tree	1	75	75
<i>Quercus bicolor</i>	Swamp White Oak	1	75	75
TALL EVERGREEN TREES				
<i>Picea abies</i>	Norway Spruce	3	40	120
<i>Picea glauca</i> 'Densata'	Black Hills Spruce	2	40	80
<i>Pinus strobus</i>	White Pine	3	40	120
MEDIUM DECIDUOUS TREES				
<i>Betula nigra</i> 'BNMTF' TM	Dura Heat River Birch	3	15	45
LARGE DECIDUOUS SHRUBS				
<i>Cornus baileyi</i>	Bailey's Red-twig Dogwood	5	5	25
<i>Physocarpus opulifolius</i> 'Center Glow'	Center Glow Ninebark	7	5	35
<i>Viburnum dentatum</i> 'Arrowwood'	Arrowwood Viburnum	7	5	35
				<b>Total Points = 610</b>

**Sec. 78-206(3)(e) SOUTH BUFFERYARD REQUIREMENT**

Required Level of Opacity: 0.2  
 Chosen Requirement: 221 Landscape Points per 100LF @ 20' Bed Width and 6' Fence  
 Length of Boundary: 256 LF  
 Calculation: 221 / 100 x 256 = 565.8  
 Total Points Required: 566 Landscape Points  
 Total Points Provided: 585 Landscape Points

Species: Scientific Name	Species: Common Name	QTY	POINTS	TOTAL POINTS
CLIMAX TREES				
<i>Ginkgo biloba</i> 'Autumn Gold' TM	Autumn Gold Maidenhair Tree	3	75	225
<i>Quercus bicolor</i>	Swamp White Oak	2	75	150
TALL EVERGREEN TREES				
<i>Picea abies</i>	Norway Spruce	2	40	80
<i>Picea glauca</i> 'Densata'	Black Hills Spruce	1	40	40
MEDIUM DECIDUOUS TREES				
<i>Betula nigra</i> 'BNMTF' TM	Dura Heat River Birch	1	15	15
LARGE DECIDUOUS SHRUBS				
<i>Cornus baileyi</i>	Bailey's Red-twig Dogwood	7	5	35
<i>Physocarpus opulifolius</i> 'Center Glow'	Center Glow Ninebark	5	5	25
<i>Viburnum dentatum</i> 'Arrowwood'	Arrowwood Viburnum	5	5	25
				<b>Total Points = 585</b>

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Sheet Issue Date: FEBRUARY 2, 2021  
 CONSTRUCTION DRAWINGS

Revisions:  
 ADDENDUM 01 SHEET RE-ISSUED FEBRUARY 4, 2021

Drawing:  
**MUNICIPAL LANDSCAPE REQUIREMENTS**

OPN Project No. 20628000

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**L1.1**



**CONTRACTOR AND OWNER RESPONSIBILITY NOTES**

- 1. GUARANTEE:** THE CONTRACTOR SHALL GUARANTEE ALL PLANTS THROUGH ONE (1) YEAR AFTER ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PLANTS SHALL BE ALIVE AND IN HEALTHY AND FLOURISHING CONDITION AT THE END OF THE GUARANTEE PERIOD. THE CONTRACTOR SHALL REPLACE (AT NO COST TO OWNER) ANY PLANTS THAT ARE DEAD OR NOT IN A VIGOROUS THRIVING CONDITION. REPLACEMENT PLANTS SHALL BE OF THE SAME KIND AND SIZE AS ORIGINALLY SPECIFIED UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE. RESTORE BEDS AS NECESSARY FOLLOWING PLANT REPLACEMENT, INCLUDING BUT NOT LIMITED TO BEDDING, EDGING, MULCH, ETC. REPLACE PLANTS DAMAGED AT TIME OF PLANTING. REPAIR AREAS DISTURBED IN ANY WAY DURING PLANT REPLACEMENT AT NO COST TO OWNER. CONTRACTOR SHALL PROVIDE A ONE (1)-YEAR STRAIGHTENING GUARANTEE FOR ALL TREES.
- 2. CONTRACTOR IS RESPONSIBLE FOR STAKING THE PLANT MATERIALS FOR REVIEW BY OWNER'S REPRESENTATIVE PRIOR TO DIGGING AND PLACEMENT AND SHALL COORDINATE ALL FINE GRADING AND RESTORATION WITH THE GRADING CONTRACTOR.**
- 3. MAINTENANCE:** (CONTRACTOR) FOR ALL PLANTINGS, SEEDED AND/OR SODDED LAWN AREAS: THE CONTRACTOR SHALL MAINTAIN ALL PLANTINGS AND LAWN AREAS FOR A MINIMUM TIME PERIOD OF 60 DAYS, UNTIL FINAL ACCEPTANCE BY OWNER'S REPRESENTATIVE. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY WATERING PLANTS AND LAWN/TURFGRASS DURING THIS 60 DAY ESTABLISHMENT PERIOD. CONTRACTOR IS RESPONSIBLE FOR THE ESTABLISHMENT OF HEALTHY VIGOROUS PLANT MATERIALS AND LAWN/TURFGRASS GROWTH. CONTRACTOR IS ALSO RESPONSIBLE FOR ANY PRUNING OF PLANT MATERIALS, AND SHAPING AND/OR REPLACEMENT OR SUPPLEMENT OF DEFICIENT SHREDDED HARDWOOD BARK MULCH DURING THIS PERIOD. LONG TERM PLANT MATERIALS AND LAWN/TURFGRASS MAINTENANCE AND ANY PROGRAM FOR SUCH IS THE RESPONSIBILITY OF THE OWNER. ALL PLANTINGS AND LAWN/TURFGRASS AREAS SHALL BE MAINTAINED IN A MANICURED CONDITION UNTIL THE TIME WHEN THE OWNER'S ACCEPTANCE IS GIVEN.
- 4. MAINTENANCE:** (OWNER) THE OWNER IS RESPONSIBLE FOR THE CONTINUED MAINTENANCE, REPAIR AND REPLACEMENT OF ALL LANDSCAPING MATERIALS AND WEED BARRIER FABRIC AS NECESSARY FOLLOWING THE ONE (1) YEAR CONTRACTOR GUARANTEE PERIOD.

**GENERAL NOTES**

- 1. GENERAL:** ALL WORK IN THE R-0-W AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES. LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO UTILITIES. CONTRACTOR MUST CALL 1-800-242-8511 FOR UTILITY LOCATIONS AT LEAST THREE PRIOR TO DIGGING. HAND DIG AND INSTALL ALL PLANTS THAT ARE NEAR EXISTING UTILITIES. PROTECT PREVIOUSLY INSTALLED WORK OF OTHER TRADES. CONTRACTOR IS RESPONSIBLE FOR STAKING THE PLANT MATERIALS FOR REVIEW BY OWNER PRIOR TO DIGGING AND PLACEMENT AND SHALL COORDINATE ALL FINE GRADING AND RESTORATION WITH THE GRADING CONTRACTOR.
- 2. DELIVERY AND HANDLING:** DO NOT DELIVER MORE PLANT MATERIALS THAN CAN BE PLANTED IN ONE DAY, UNLESS ADEQUATE, APPROPRIATE AND SECURE STORAGE IS PROVIDED AND APPROVED BY OWNER'S REPRESENTATIVE. AT ALL TIMES, PROTECT ALL PLANT MATERIALS FROM WIND AND DIRECT SUN. IDENTIFY AND LABEL ALL PLANT MATERIALS DURING DELIVERY AND DO NOT PRUNE PRIOR TO DELIVERY. ALL TREES AND SHRUBS SHALL BE PLANTED ON THE DAY OF DELIVERY; IF THIS IS NOT POSSIBLE, PROTECT THE PLANT MATERIALS NOT PLANTED BY STORING THEM IN A SHADED, SECURE AREA, PROTECTING THE ROOT MASS WITH WET SOIL, MULCH, HAY OR OTHER SUITABLE MEDIUM. CONTRACTOR TO KEEP ALL PLANT MATERIALS ADEQUATELY WATERED TO PREVENT ROOT DESICCATION. DO NOT REMOVE CONTAINER GROWN STOCK FROM CONTAINERS BEFORE TIME OF PLANTING. DO NOT PICK UP CONTAINER OR BALLED PLANTS BY STEM OR ROOTS. ALL PLANTS SHALL BE LIFTED AND HANDLED FROM THE BOTTOM OF THE CONTAINER OR BALL. PERFORM ACTUAL PLANTING ONLY WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE IN ACCORDANCE WITH LOCALLY ACCEPTED BEST HORTICULTURAL PRACTICES.
- 3. MATERIALS - PLANTS:** ALL PLANTS SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1. PLANTS SHALL BE TRUE TO SPECIES AND VARIETY SPECIFIED AND NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR AT LEAST 2 YEARS. PLANTS SHALL BE FRESHLY DUG (DURING THE MOST RECENT FAVORABLE HARVEST SEASON). PLANTS SHALL BE SO TRAINED IN DEVELOPMENT AND APPEARANCE AS TO BE UNQUESTIONABLY SUPERIOR IN FORM, COMPACTNESS, AND SYMMETRY. PLANTS SHALL BE SOUND, HEALTHY, VIGOROUS, WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF, AND FREE OF DISEASE AND INSECTS (ADULT EGGS, PUPAE OR LARVAE). THEY SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS AND SHALL BE FREE FROM PHYSICAL DAMAGE OR OTHER CONDITIONS THAT WOULD PREVENT THRIVING GROWTH OR PREMATURE MORTALITY. PLANTS SHALL BE OF THE HIGHEST QUALITY, POSSESS TYPICAL GROWTH HABITS AND FORM FOR THEIR SPECIES AND BE FREE OF INJURY. PARKWAY TREES AND PARKING LOT TREES SHALL HAVE A MINIMUM BRANCHING HEIGHT OF SIX (6) FEET ABOVE THE GROUND TO ALLOW ADEQUATE VISUAL AND PHYSICAL CLEARANCE.
- 4. PRUNING:** THE CONTRACTOR SHALL PRUNE ALL TREES AND REPAIR ANY INJURIES THAT OCCURRED DURING THE PLANTING PROCESS. DOUBLE LEADERS, DEAD BRANCHES, AND LIMBS DAMAGED OR BROKEN DURING THE PLANTING PROCESS, SHALL BE PRUNED. THIS SHALL BE THE ONLY PRUNING ALLOWED AT PLANTING. PRUNING SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD FOR TREE CARE OPERATIONS, ANSI A300. PRUNE TREES IN ACCORDANCE WITH NAA GUIDELINES. DO NOT TOP TREES. PRUNE SHRUBS ACCORDING TO STANDARD HORTICULTURAL PRACTICES. ON CUTS OVER 3/4" IN DIAMETER AND BRUISES OR SCARS ON BARK, TRACE THE INJURED CAMBIAL LAYER BACK TO LIVING TISSUE AND REMOVE. SMOOTH AND SHAPE SO AS NOT TO RETAIN WATER. TREAT THE AREA WITH AN APPROVED INCONSPICUOUS LATEX BASED ANTISEPTIC TREE PAINT, IF PRUNING OCCURS "IN SEASON". DO NOT PRUNE ANY OAK TREES DURING THE MONTHS FROM APRIL TO OCTOBER.
- 5. CLEANUP:** THE WORK AREA SHALL BE KEPT SAFE AND NEAT AT ALL TIMES. DISPOSED OF EXCESS SOIL. REMOVE ALL CUTTINGS AND WASTE MATERIALS. SOIL AND BRANCHES. BIND AND WRAP THESE MATERIALS, ANY REJECTED PLANTS, AND ANY OTHER DEBRIS RESULTING FROM ALL PLANTING TASKS AND PROMPTLY CLEAN UP AND REMOVE FROM THE PROJECT SITE. UNDER NO CIRCUMSTANCES SHALL THE ACCUMULATION OF SOIL, BRANCHES OR OTHER DEBRIS BE ALLOWED UPON A PUBLIC PROPERTY IN SUCH A MANNER AS TO RESULT IN A PUBLIC SAFETY HAZARD OR DAMAGE. LIKEWISE, UNDER NO CIRCUMSTANCES SHALL ANY DEBRIS OR INCIDENTAL MATERIALS BE ALLOWED UPON ADJACENT PRIVATE PROPERTY.
- 6. ANY SUBSTITUTIONS IN PLANT TYPE, LOCATION, OR SIZE SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.**
- 7. CONTRACTOR TO VERIFY PLANT MATERIAL QUANTITIES AND SQUARE FOOTAGES. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE OVER THOSE ON SCHEDULE.**

**LANDSCAPE MATERIAL NOTES**

- 1. MATERIALS - PLANTING MIXTURE:** ALL HOLES EXCAVATED FOR TREES, SHRUBS, PERENNIALS AND ORNAMENTAL GRASSES SHALL BE BACKFILLED WITH TWO (2) PARTS TOPSOIL, ONE (1) PART SAND AND ONE (1) PART COMPOST. SOIL MIXTURE SHALL BE WELL BLENDED PRIOR TO INSTALLATION.
- 2. MATERIALS - TOPSOIL:** TOPSOIL TO BE CLEAN, FRIABLE LOAM FROM A LOCAL SOURCE, FREE FROM STONES OR DEBRIS OVER 3/4" IN DIAMETER, AND FREE FROM TOXINS OR OTHER DELETERIOUS MATERIALS. TOPSOIL SHALL HAVE A pH VALUE BETWEEN 6 AND 7. TOPSOIL AND PLANTING SOIL SHALL BE TESTED TO ENSURE CONFORMANCE WITH THESE SPECIFICATIONS AND SHALL BE AMENDED TO MEET THESE SPECIFICATIONS. PROVIDE TEST RESULTS TO OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT. DO NOT PLACE FROZEN OR MUDDY TOPSOIL. APPLY SOIL AMENDMENTS TO ALL LANDSCAPE AREAS PER SOIL TEST.
- 3. MATERIALS - SHREDDED HARDWOOD BARK MULCH:** ALL PLANTING AREAS LABELED ON PLAN SHALL RECEIVE CERTIFIED WEED FREE SHREDDED HARDWOOD BARK MULCH INSTALLED TO A MINIMUM AND CONSISTENT DEPTH OF 3-INCHES. SHREDDED HARDWOOD BARK MULCH SIZE & COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. FERTILIZER SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY AND STATE REQUIREMENTS. SHREDDED HARDWOOD BARK MULCH AREAS SHALL NOT RECEIVE WOVEN WEED BARRIER FABRIC.
- 4. MATERIALS - STONE MULCH:** ALL PLANTING AREAS LABELED ON PLAN SHALL RECEIVE MIDWEST DECORATIVE STONE 1-1/2" AMERICAN HERITAGE STONE MULCH (OR EQUAL) SPREAD TO A MINIMUM AND CONSISTENT DEPTH OF 3-INCHES. DECORATIVE STONE MULCH TYPE, SIZE & COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. FERTILIZER SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY AND STATE REQUIREMENTS. STONE MULCH AREAS SHALL RECEIVE WOVEN WEED BARRIER FABRIC. NO PLASTIC/IMPERVIOUS BARRIERS WILL BE PERMITTED. EXAMPLE: BLACK VISQUEEN.
- 5. MATERIALS - TREE & SHRUB RINGS:** ALL TREES AND/OR SHRUBS PLANTED IN SEEDED LAWN AREAS TO BE INSTALLED WITH A MINIMUM 4' DIAMETER SHREDDED HARDWOOD BARK MULCH TREE RING SPREAD TO A CONSISTENT DEPTH OF 3-INCHES. ALL TREE RINGS SHOULD BE INSTALLED WITH A 5" DEPTH SHOVEL CUT EDGE, ANGLED 45 DEGREES INTO SOIL AT A 5' DIAMETER ABOUT THE CENTER OF THE TREE PLANTING. A PRE-EMERGENT GRANULAR HERBICIDE WEED-PREVENTER SHOULD BE MIXED WITH MULCH USED TO INSTALL TREE RING AS WELL AS TOPICALLY APPLIED TO COMPLETED INSTALLATION OF TREE RING.
- 6. MATERIALS - POLYETHYLENE EDGING:** EDGING SHALL BE 5" DEEP, POLYETHYLENE EDGING. OWNER'S REPRESENTATIVE SHALL APPROVE PRODUCT SPECIFICATION PROVIDED BY LANDSCAPE CONTRACTOR.
- 7. MATERIALS - ALUMINUM EDGING:** EDGING SHALL BE 1/8" X 4", ALUMINUM EDGING, MILL FINISH. OWNER'S REPRESENTATIVE SHALL APPROVE PRODUCT SPECIFICATION PROVIDED BY LANDSCAPE CONTRACTOR.
- 8. MATERIALS - TREE PROTECTION:** ALL TREES TO BE INSTALLED WITH LDPE TREE GUARDS AS MANUFACTURED BY A.M. LEONARD HORTICULTURAL TOOL & SUPPLY CO., OR APPROVED EQUAL.

**SEEDING & POND VEGETATION NOTES**

- 1. MATERIALS - TURFGRASS SEED:** DISTURBED LAWN AREAS LABELED ON PLAN AS SUCH, SHALL RECEIVE 6" OF TOPSOIL AND EARTH CARPETS "MADISON PARKS" GRASS SEED, OR EQUIVALENT AS APPROVED BY THE OWNER'S REPRESENTATIVE. INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. IN ADDITION TO TURFGRASS SEED, ANNUAL RYE SHALL BE APPLIED TO ALL DISTURBED AREAS AT A RATE OF 1 1/2 LBS PER 1000 SQUARE FEET. FERTILIZE AND MULCH PER MANUFACTURER'S RECOMMENDATIONS. MULCH SHALL BE CERTIFIED NOXIOUS WEED SEED-FREE.
- 2. MATERIALS - PRAIRIE SEED MIX:** DISTURBED LAWN AREAS LABELED ON PLAN AS SUCH, SHALL BE BROADCAST SEEDED WITH "DIVERSE PRAIRIE FOR MEDIUM SOILS" SEED MIX, AS PROVIDED BY PRAIRIE NURSERY, P.O. BOX 306, WESTFIELD, WISCONSIN, 53964, TEL. 608-296-3679 (OR APPROVED EQUIVALENT). INSTALL SEED WITH SUPPLEMENTAL MATERIALS AND AMENDMENTS AS RECOMMENDED BY SEED SUPPLIER AND AT RATES AND OPTIMUM TIMES OF THE YEAR AS RECOMMENDED BY THE SEED SUPPLIER TO ENSURE SUCCESSFUL GERMINATION AND SEED/ROOT ZONE GROWTH DEVELOPMENT. REFER TO PRODUCT SPECIFICATIONS AND MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION.
- 3. MATERIALS - BIORETENTION BASIN NATIVE VEGETATIVE MAT (NVM):** AREAS SPECIFIED ON PLANS SHALL RECEIVE AGRECOL "RAINWATER RENEWAL" NATIVE VEGETATIVE MAT - DEGRADABLE CORE. CONTRACTOR SHALL CONTACT AGRECOL NATIVE NURSERY 16 WEEKS IN ADVANCE OF INSTALLATION FOR PROPER LEAD TIME. CONTRACTOR SHALL ASSUME AVAILABLE DELIVERY DATE TO BE BETWEEN MID-JUNE THROUGH THE END OF OCTOBER DUE TO THE NVM GROWING SEASON. REFER TO PRODUCT SPECIFICATIONS AND MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION PROCEDURES.



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