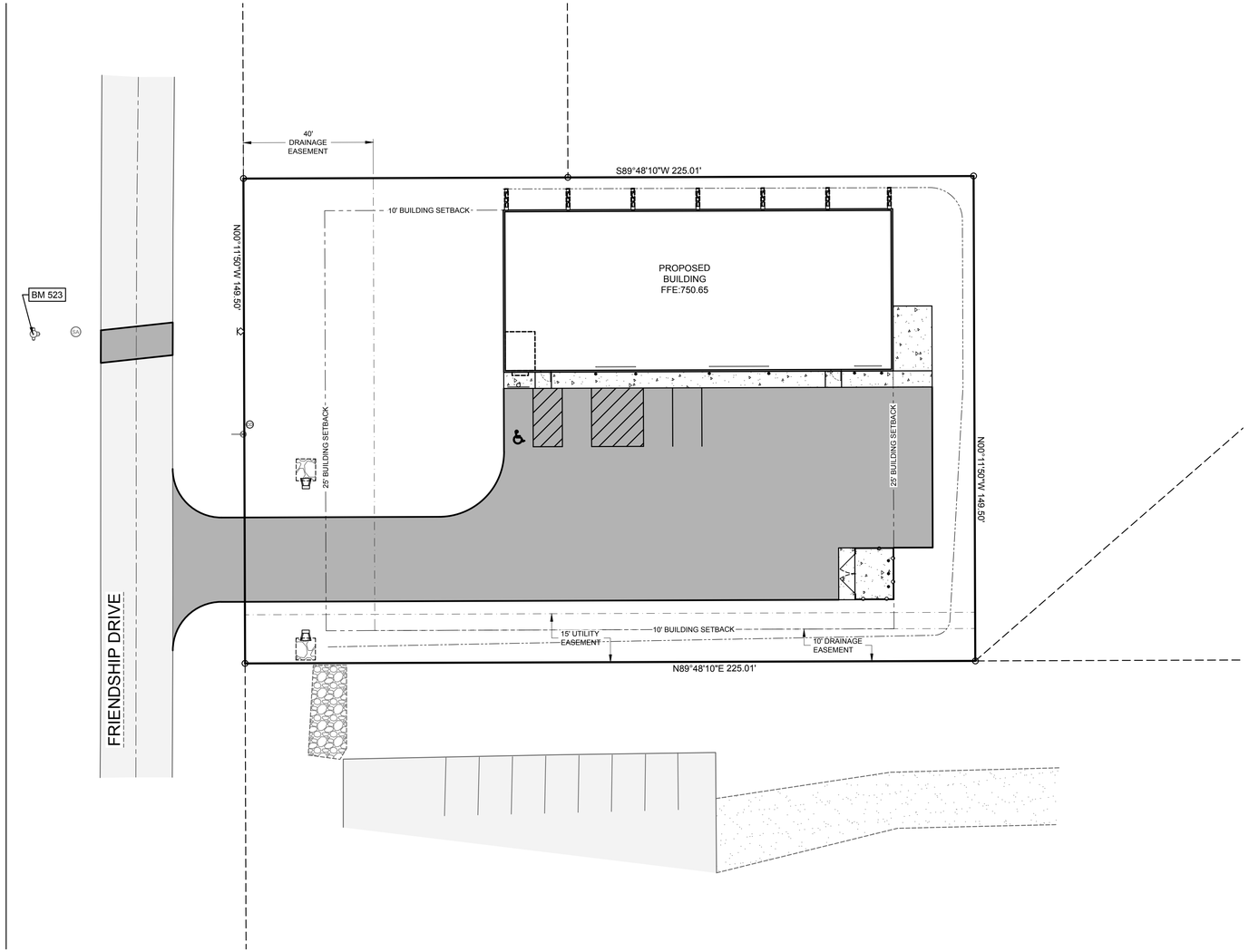




LOCATION MAP

N9672 FRIENDSHIP DRIVE
HARRISON, WI 54130

NOT TO SCALE

COVER SHEET

LEGAL DESCRIPTION

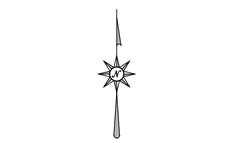
LOT 9 IN CROSSROADS BUSINESS PARK PLAT, DOCUMENT NUMBER 585966, IN SECTION 6, TOWNSHIP 20 NORTH, RANGE 19 EAST, VILLAGE OF HARRISON, CALUMET COUNTY, WISCONSIN

CIVIL SHEETS INDEX

C0.1 COVER SHEET
C1.0 SITE DEMOLITION PLAN
C2.0 SITE PLAN
C3.0 UTILITY PLAN
C4.0 GRADING PLAN
C5.0 EROSION CONTROL PLAN
C5.1 EROSION CONTROL DETAILS
C6.0 SITE DETAILS
L1.0 LANDSCAPE PLAN

CIVIL GENERAL NOTES:

1. SURVEY WAS PERFORMED BY MACH IV ENGINEERING & SURVEYING LLC JULY 21, 2026.
2. SURVEY VERTICAL DATUM IS NAVD88.
3. THIS SURVEY DOES NOT GUARANTEE THE EXISTENCE/ NON-EXISTENCE, SIZE, TYPE OR LOCATION OF UNDERGROUND UTILITIES. UTILITIES SHOWN ARE BASED ON ABOVEGROUND UTILITY STRUCTURES (I.E. VALVES, MANHOLES ETC.), AND AVAILABLE UTILITY MAPS AND PLANS.
4. UNLESS OTHERWISE INDICATED, ALL EXISTING STRUCTURES AND FACILITIES SHALL REMAIN.
5. PROVIDE TURF, AS SPECIFIED TO ALL DISTURBED AREAS NOT RECEIVING PAVEMENTS, CURBS, SIDEWALKS, BUILDINGS, OR LANDSCAPING, WITHIN THE LIMITS OF CONSTRUCTION.
6. NO LAND DISTURBING ACTIVITIES SHALL TAKE PLACE UNTIL ALL TEMPORARY SOIL EROSION DEVICES ARE INSTALLED.
7. ALL GRADE TRANSITIONS BETWEEN NEW AND EXISTING SHALL BE SMOOTH AND GRADUAL WITH NO SHARP OR ABRUPT CHANGES.
8. COORDINATE THE WORK OF ALL TRADES - VERIFY ALL FIELD CONDITIONS, QUANTITIES AND DIMENSIONS PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES SHALL BE PROMPTLY BROUGHT TO THE ATTENTION OF THE ARCHITECT.
9. EXECUTE ALL WORK WITH CARE AS TO PROTECT FROM DAMAGE ADJACENT EXISTING FEATURES TO REMAIN. ANY SUCH DAMAGE SHALL BE REPAIRED OR REPLACED TO MATCH THE ORIGINAL CONDITION AS APPROVED BY THE ARCHITECT.
10. UNLESS REFERRED TO, OR INDICATED AS "EXISTING", ALL WORK SHOWN ON THESE DRAWINGS SHALL BE CONSIDERED AS NEW AND PROVIDED UNDER THIS CONTRACT.
11. FINISHED GRADE OF TOPSOIL (AFTER COMPACTION) SHALL BE 1/2" TO 1" BELOW TOP OF ABUTTING PAVEMENTS, SIDEWALKS, AND CURBING.
12. NO DISTURBANCE SHALL OCCUR OUTSIDE OF SITE LIMITS.
13. GENERAL CONTRACTOR SHALL OBTAIN APPROVAL FROM OWNER AND MUNICIPALITY PRIOR TO ANY LAND DISTURBANCE OUTSIDE THE CONSTRUCTION LIMITS.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WORK IN RIGHT OF WAY PERMITS.
15. NO HAZARDOUS MATERIALS WILL BE STORED ON-SITE.
16. FOR LEGEND AND ABBREVIATIONS SEE SHEET C0.1.
17. FOR EROSION CONTROL PLAN AND NOTES SEE SHEET C5.0 AND C5.1.
18. FOR NOTES SHOWN THUS, "(1)", SEE SHEET KEY NOTES, ON SHEET THEY APPEAR.



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WISCONSIN STATUTE 182.0175 (1974) REQUIRES MIN. 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

THE LOCATIONS OF THE EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

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Project Number: 2384-05-26

CIVIL LEGEND

	EXISTING	PROPOSED
CABLE PEDESTAL	C	
ELECTRIC METER		
ELECTRIC PEDESTAL	E	
GUY WIRE		
LIGHT POLE		
POWER POLE		
GAS METER		
GAS VALVE		
BOLLARD		
HANDICAP PARKING		
SANITARY CLEANOUT		
SANITARY MANHOLE	SA	SA
CATCH BASIN	CB	CB
CULVERT		
DOWNSPOUT		
INLET		
INLET 2' X 2'		
STORM CLEANOUT		
STORM MANHOLE	ST	ST
FIBER OPTIC PEDESTAL	FO	
SIGN		
FIRE HYDRANT		
WATER SHUT OFF		
WATER VALVE		

	EXISTING	PROPOSED
EVERGREEN SHRUB		
EVERGREEN TREE		
TREE		
TREE SHRUB		
BUILDING OVERHANG		
UNDERGROUND CABLE	C	
OVERHEAD WIRE	OHP	
UNDERGROUND ELECTRIC	E	
GAS	G	
LANDSCAPE		
FENCE		
GUARDRAIL		
CENTERLINE		
CURB		
PARKING STRIPE		
SANITARY SEWER	SAN	SAN
CULVERT	CLVRT	CLVRT
STORM SEWER	STM	STM
FIBER OPTIC	FO	
WOOD LINE		
RETAINING WALL		
WATERMAIN	WAT	WAT
CONTOUR MAJOR	600	600
CONTOUR MINOR	602	602

	EXISTING	PROPOSED
STANDARD DUTY ASPHALT		
HEAVY DUTY ASPHALT		
BUILDING		
ASPHALT		
CONCRETE		
GRAVEL		
LANDSCAPE WOOD MULCH		
LANDSCAPE STONE MULCH		

ABBREVIATIONS

Ø	DIAMETER
AC	ACRE
AEW	APRON END WALL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BM	BENCHMARK
C	CABLE
CB	CATCH BASIN
CI	CURB INLET
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
CSM	CERTIFIED SURVEY MAP
C.T.H	COUNTY TRUNK HIGHWAY
DIA	DIAMETER
DOT	DEPARTMENT OF TRANSPORTATION
E	EAST
E	ELECTRIC (BURIED)
EL	ELEVATION
FDM	FACILITIES DEVELOPMENT MANUAL
FF	FIRST FLOOR ELEVATION
FFE	FIRST FLOOR ELEVATION
FL	FLOW LINE
FO	FIBER OPTIC
FT	FEET
G	GAS
G.F.E.	GROUND FLOOR ELEVATION
GR	GRADE
HDPE	HIGH DENSITY POLYETHYLENE
INL	INLET
INV	INVERT
LL	LOWER LEVEL
M	METER
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
mm	MILLIMETER
N	NORTH
NE	NORTHEAST
OC	ON CENTER
OD	OUTSIDE DIAMETER
OHP	OVER HEAD POWER
OL	OUTLOT
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
R	RADIUS
RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
REQ	REQUIRED
S	SOUTH
SA	SANITARY
SAN	SANITARY
SCHD	SCHEDULE
S.D.	SUMP DEPTH
SQ	SQUARE
ST	STORM
S.T.H.	STATE TRUNK HIGHWAY
STM	STORM
T	TELEPHONE
T/C	TOP OF CURB
UL	UPPER LEVEL
U.S.H.	UNITED STATES HIGHWAY
V	VARIES
W	WEST
WAT	WATER
WI	WISCONSIN
WisDOT	WISCONSIN DEPARTMENT OF TRANSPORTATION

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PROPOSED FACILITY FOR,
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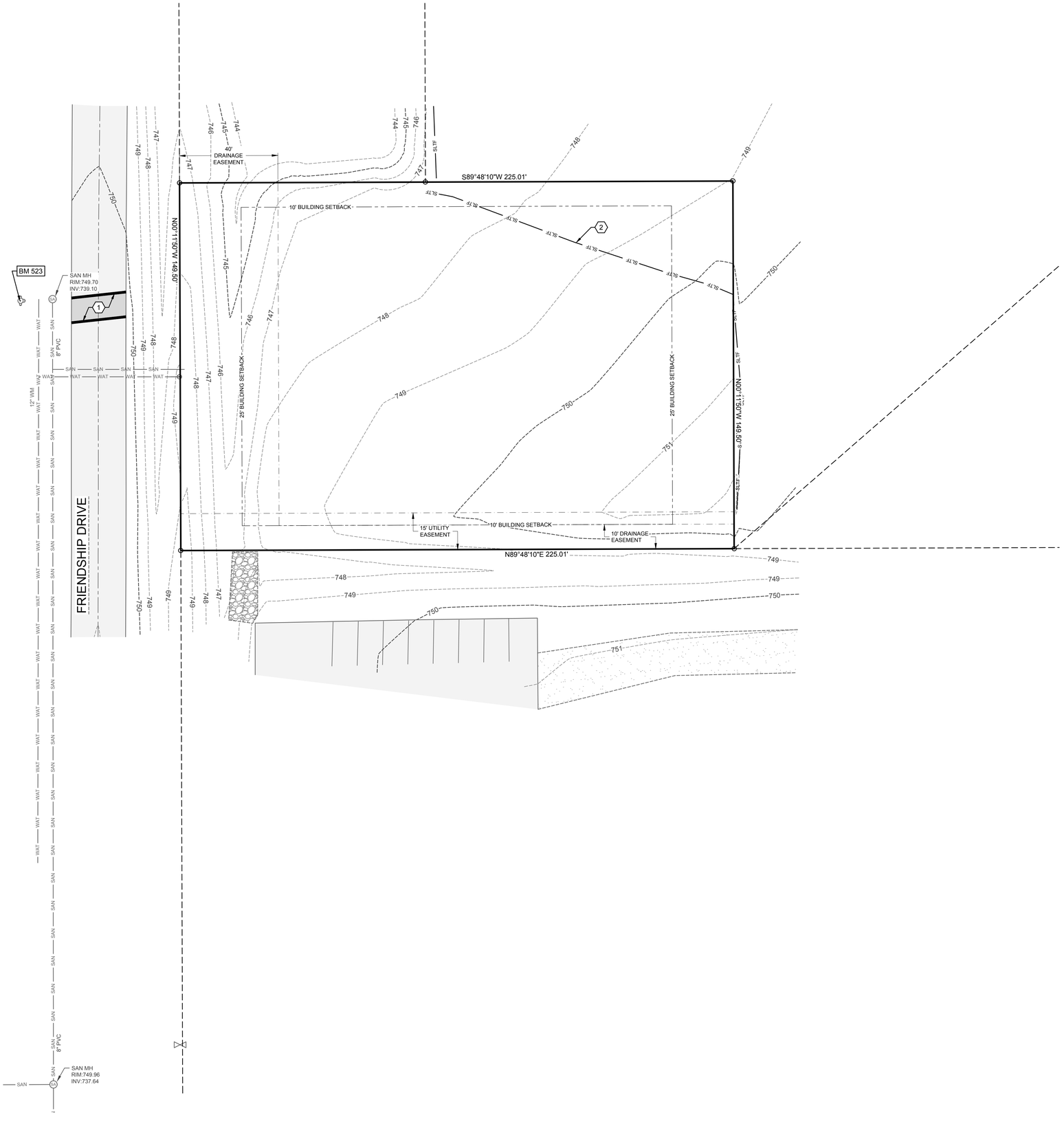
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ARCH. J. EHRFURTH
D. BY: RPH
JOB: 26-074
REV.

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SITE DEMOLITION PLAN

Benchmarks		
Label	Elevation	Description
BM 523	752.24	HYDRANT BURY BOLT



SHEET KEY NOTES:

1. SAW CUT ROADWAY FOR NEW WATER SERVICE INSTALLATION. REPLACE PAVEMENT IN-KIND. CONTRACTOR IS RESPONSIBLE FOR OBTAINING WORK IN RIGHT-OF-WAY AND TRAFFIC CONTROL PERMITS. NOTIFY MUNICIPALITY A MINIMUM OF 3 BUSINESS DAYS BEFORE STARTING WORK IN RIGHT-OF-WAY
2. REMOVE SILT FENCE

20 10 0 20 40
GRAPHIC SCALE

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PROPOSED FACILTY FOR,

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N9672 FRIENDSHIP DR.

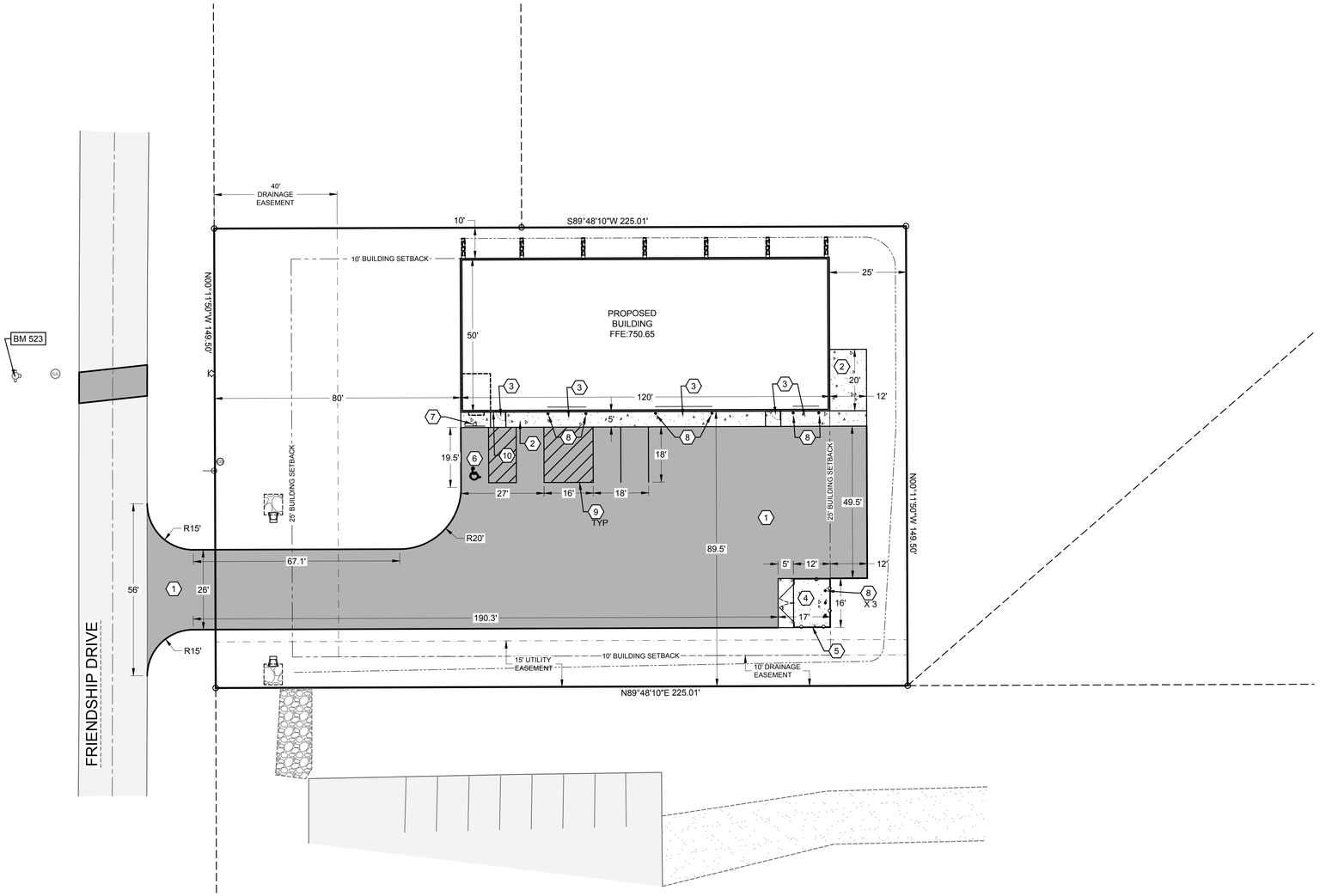
VILLAGE OF HARRISON, WISCONSIN

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JOB: 26-014
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R:\Jobs\2384-05-26 LOT 9 CROSS RDS BUSINESS PARK\DRAWINGS\2384-05-26 Eng.dwg 8/6/2026 10:47:38 AM

SITE PLAN



OWNER

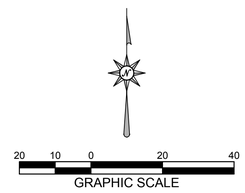
DANA FENILI
PH: (920) 205-5018
JDF WOODWORKING INC.
2404 WOODLAND HILLS DRIVE
MENASHA, WI 54952

SHEET KEY NOTES:

1. STANDARD DUTY ASPHALT; SEE DETAIL A SHEET C6.0
2. CONCRETE SIDEWALK; SEE DETAIL B SHEET C6.0
3. STOOP LOCATION; REFER TO ARCHITECTURAL DRAWINGS
4. DUMPSTER PAD; SEE DETAIL C SHEET C6.0
5. VINYL DUMPSTER ENCLOSURE; REFER TO ARCHITECTURAL DRAWINGS
6. ADA HANDICAP STALL, SYMBOL; SEE DETAIL D SHEET C6.0
7. ADA HANDICAP SIGN; SEE DETAIL E SHEET C6.0
8. BOLLARD; SEE DETAIL F SHEET C6.0
9. 4" WIDE PAINT STRIPE; COLOR BY OWNER
10. KNOX BOX LOCATION

SITE STATISTICS

PARCEL ADDRESS:	N9672 FRIENDSHIP DRIVE
PARCEL NUMBER:	47026
PARCEL SIZE:	33,639 SF (0.772 AC)
ZONING:	BP: BUSINESS PARK DISTRICT
EXISTING SITE	
GREEN SPACE:	33,639 SF (100%)
IMPERVIOUS AREA	
BUILDING:	0.0 SF (0.0%)
PAVEMENT:	0.0 SF (0.0%)
TOTAL IMPERVIOUS:	0.0 SF (0.0%)
PROPOSED SITE	
TOTAL DISTURBED AREA:	31,008 SF (0.712 AC)
GREEN SPACE REQUIRED:	25% (8,410 SF)
GREEN SPACE PROVIDED:	16,119 SF (48%)
IMPERVIOUS AREA	
BUILDING:	6,000 SF (18%)
PAVEMENT:	11,520 SF (34%)
TOTAL IMPERVIOUS:	17,520 SF (52%)
PARKING PROVIDED	
PARKING SPACES REQ'D/CALCS:	1 / EMPLOYEE + 1 / 500 SF SALES AREA 1 EMPLOYEE + 110 SF / 500 SF = 2 STALLS
PARKING SPACES PROVIDED:	4 STALLS, INCLUDES 1 ADA HANDICAP STALL



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PROPOSED FACILITY FOR,
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N9672 FRIENDSHIP DR.
VILLAGE OF HARRISON, WISCONSIN

DATE: AUGUST 1, 2026
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JOB: 26-014
REV.

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UTILITY PLAN

Benchmarks		
Label	Elevation	Description
BM 523	752.24	HYDRANT BURY BOLT

SHEET KEY NOTES:

1. CONNECT TO EXISTING SANITARY STUB WITH CLEANOUT; SEE DETAIL G SHEET C6.0, FIELD VERIFY LOCATION AND INVERT
2. CONNECT TO EXISTING WATER MAIN WITH 12"X6" TAPPING TEE AND VALVE
3. 6" VALVE; SEE DETAIL H SHEET C6.0
4. APRON END WALL
5. DOWNSPOUT, SPLASH ON GRADE; VERIFY WITH ARCHITECTURAL DRAWINGS FOR LOCATION AND NUMBER

UTILITY NOTES:

1. SANITARY LATERAL SHALL BE PVC SDR 35 (ASTM D-3034) OR SCH 40.
2. WATER SERVICE SHALL BE COPPER, C900 PVC OR HDPE. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE ENCASED IN POLYETHYLENE WRAP.
3. ALL SERVICE LATERALS SHALL HAVE TRACER WIRE.
4. ALL WORK SHALL CONFORM TO THE MOST RECENT EDITION OF "STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN" AND THE MUNICIPALITY'S STANDARD SPECIFICATIONS.
5. WATER LINE THRUST RESTRAINTS (NOT SHOWN FOR CLARITY) SHALL BE PROVIDED AS SPECIFIED FOR CONCRETE THRUST BLOCKS.
6. STORM SEWER SHALL BE PVC SDR 35 (ASTMD-3034) OR SCH 40.
7. NOTIFY THE MUNICIPALITY THREE WORKING DAYS PRIOR TO WORK IN THE RIGHT OF WAY.
8. CONNECTIONS TO MUNICIPALITY SYSTEMS SHALL BE IN ACCORDANCE WITH THEIR STANDARD SPECIFICATIONS.



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PROPOSED FACILITY FOR,

FENILI SHOP BUILDING

N9672 FRIENDSHIP DR.

VILLAGE OF HARRISON, WISCONSIN

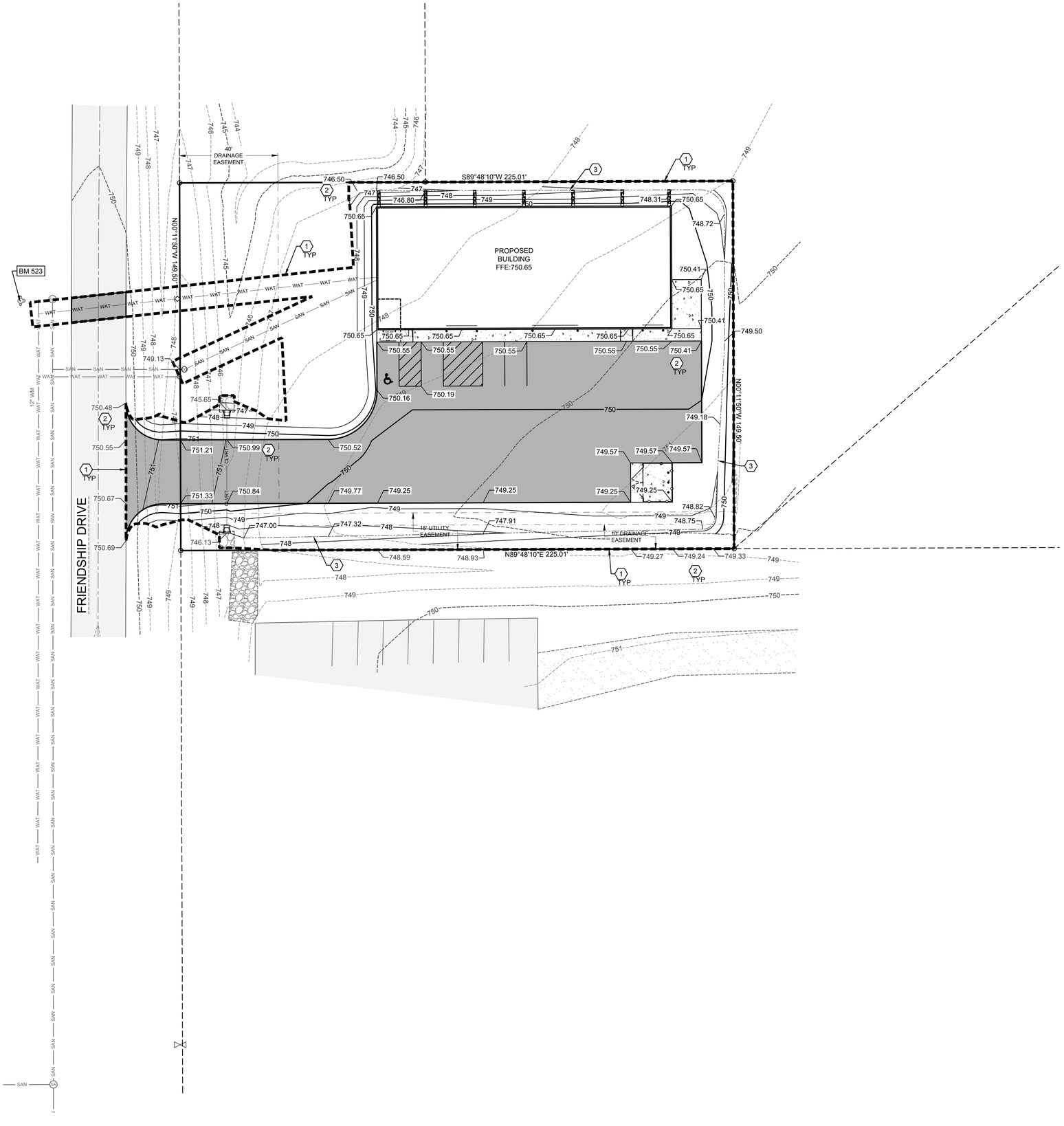
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GRADING PLAN

Benchmarks		
Label	Elevation	Description
BM 523	752.24	HYDRANT BURY BOLT



SHEET KEY NOTES:

1. CONSTRUCTION / GRADING LIMITS
2. SPOT GRADE; SEE DETAIL A THIS SHEET
3. GRASS SWALE

000.00 TOP OF CURB/WALL
000.00 GUTTER/PAVEMENT
000.00 FINISHED GRADE
A 000.00 EXISTING GRADE

SPOT GRADE KEY

20 10 0 20 40
GRAPHIC SCALE

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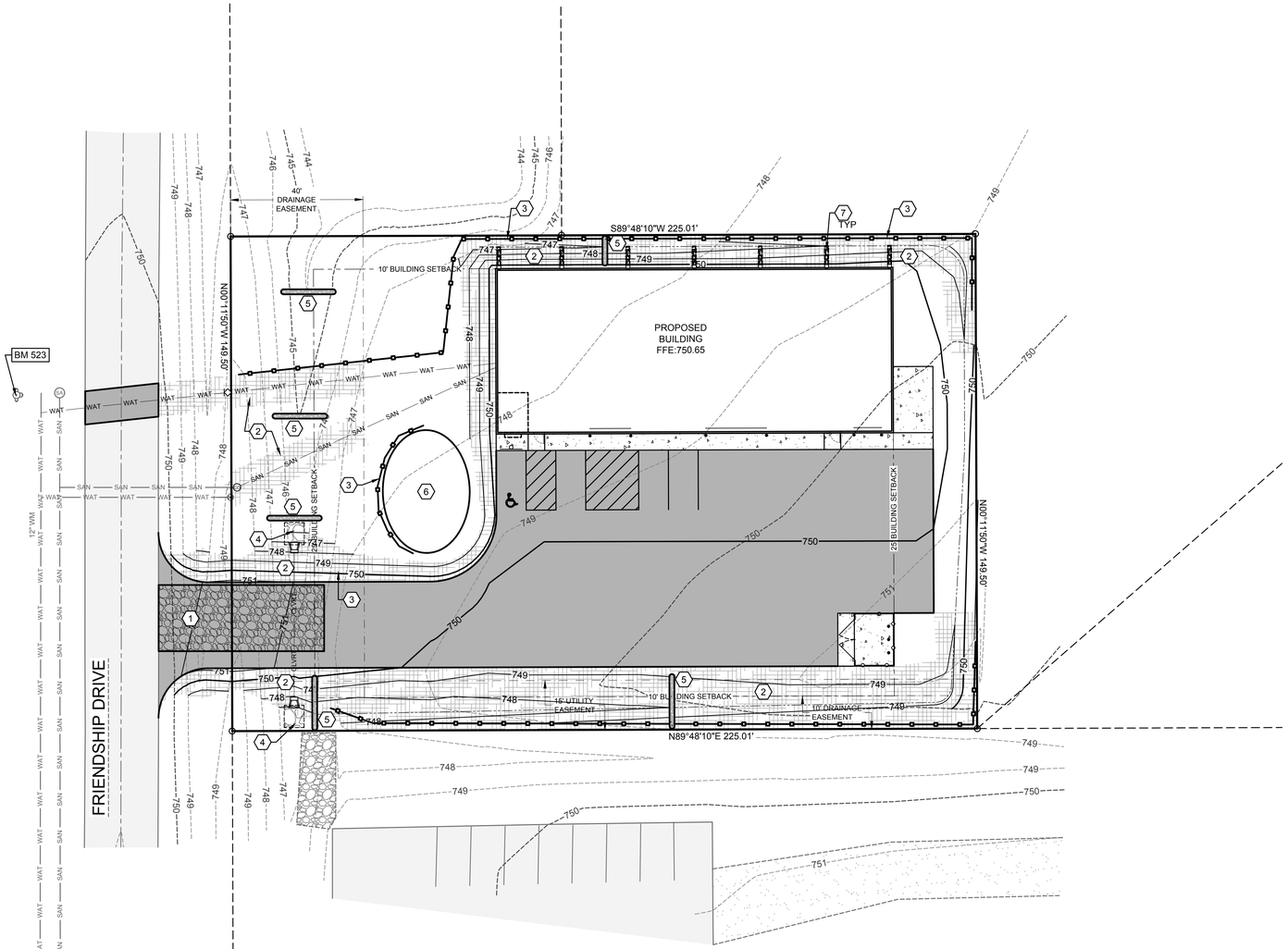
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EROSION CONTROL PLAN



SHEET KEY NOTES:

1. STONE TRACKING PAD; SEE DETAIL A SHEET C5.2
2. CLASS I URBAN, TYPE B WOOD EROSION CONTROL MAT WITH E-STAPLES; SEE DETAIL B SHEET C5.2
3. SILT FENCE; SEE DETAIL C SHEET C5.2
4. ENERGY DISSIPATOR; SEE DETAIL D SHEET C5.2
5. SEDIMENT LOG; SEE DETAIL E SHEET C5.2

   TEMPORARY STOCKPILES
7. INSTALL ENERGY DISSIPATOR AT EACH DOWNSPOUT, LIGHT RIP RAP OVER TYPE R FABRIC, 6" THICK X 1' WIDE TO BOTTOM OF SWALE; REFER TO ARCHITECTURAL DRAWINGS FOR DOWNSPOUT LOCATIONS

PLANNED EROSION CONTROL PRACTICES:

1. SILT FENCE (TECH. STANDARD 1056)
   SILT FENCING WILL BE REQUIRED DOWNSLOPE OF ALL DISTURBED AREAS, INCLUDING ANY DISTURBED AREAS OF THE INDIVIDUAL LOTS, AND WHERE NOTED ON THE SITE PLAN. IF THE SILT FENCE IS LOCATED IN A CHANNELIZED AREA, TWO CONSECUTIVE SILT FENCES WILL BE INSTALLED, OR ONE STRAW BALE FENCE WILL BE INSTALLED.
2. INLET PROTECTION (TECH STANDARD 1060)
   INLET PROTECTION SHALL BE INSTALLED AT ALL EXISTING AND PROPOSED STORM DRAIN INLETS ON THE PROJECT SITE AND IMMEDIATELY DOWN STREAM FROM ANY DISTURBED AREAS.
3. DUST CONTROL (TECH STANDARD 1068)
   DUST CONTROL SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE ABOVE MENTIONED TECHNICAL STANDARD. WHERE POSSIBLE DUST CONTROL SHALL BE WISDOT TYPE B SOIL STABILIZER OR TEMPORARY SEED.
4. STOCKPILED TOPSOIL/TEMPORARY FILL PILES
   SILT FENCING OR STRAW BALE FENCING WILL BE REQUIRED AROUND ALL STOCKPILED TOPSOIL OR TEMPORARY FILL PILES. SOIL PILES OF MORE THAN 10 CUBIC YARDS THAT WILL BE IN EXISTENCE FOR MORE THAN 7 DAYS SHALL BE SEEDED AND/OR MULCHED TO PROVIDE VEGETATIVE COVER AND SHALL USE SILT FENCING OR STRAW BALES FENCING UNTIL THE VEGETATION IS ESTABLISHED.
5. TEMPORARY CONSTRUCTION ENTRANCE/EXIT (TECH. STANDARD 1057)
   A NEW GRAVEL CONSTRUCTION ENTRANCE WILL BE INSTALLED AT ALL CONSTRUCTION ACCESS POINTS TO PREVENT SEDIMENT FROM TRACKING ONTO THE ROADWAYS.
6. EROSION CONTROL MATS (TECH. STANDARD 1053)
   EROSION CONTROL MATS WILL BE INSTALLED IN AREAS AS SHOWN ON THE SITE PLAN, AND IN ALL OTHER AREAS WHERE EXCESSIVE EROSION IS TAKING PLACE. INSTALLATION WILL FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR PLACEMENT AND STAPLING.
7. DEWATERING (TECH STANDARD 1061)
   SHOULD DEWATERING BE REQUIRED FOR INSTALLATION OF PLANNED IMPROVEMENTS, SEDIMENT SHALL BE REMOVED FROM WATER GENERATED DURING DEWATERING ACTIVITIES PRIOR TO DISCHARGING OFF-SITE OR TO WATERS OF THE STATE.

MAINTENANCE PLAN:

1. ALL EROSION CONTROL AND STORM WATER MANAGEMENT PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION EVERY 7 DAYS AND WITHIN 24 HOURS OF A STORM PRODUCING AT LEAST 0.5 INCHES OF RAINFALL. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED. ALSO, ANY SEDIMENT THAT HAS BEEN DEPOSITED OFF-SITE FROM THIS CONSTRUCTION PROJECT SHALL BE CLEANED UP IMMEDIATELY.
2. REMOVE SEDIMENT FROM BEHIND ANY SILT FENCE WHEN IT HAS ACCUMULATED TO A DEPTH OF $\frac{1}{2}$ FENCE HEIGHT OR MORE. WHEN THE FENCE CAN NO LONGER FILTER WATER OR TRAP SEDIMENT, REPAIR THE SILT FENCE TO PROVIDE AN EFFECTIVE BARRIER.
3. ALL SEEDED AREAS, INCLUDING THE GRASS LINED CHANNELS, WILL BE RESEEDED AND MULCHED AS NECESSARY TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
4. ANY UNPROTECTED DRAINAGE DITCHES EXPERIENCING EXCESSIVE EROSION AND CHANNEL DEGRADATION DUE TO HIGH RUNOFF VOLUMES WILL BE REGRADED AND COVERED WITH A BIODEGRADABLE EROSION CONTROL MAT. INSTALLATION WILL FOLLOW MANUFACTURER'S RECOMMENDATIONS.
5. REMOVE SILT FENCE AND TEMPORARY STRUCTURES AFTER FINAL STABILIZATION AND VEGETATIVE COVER IS ESTABLISHED.
6. SEDIMENT THAT HAS MIGRATED OFF SITE ONTO ADJACENT PROPERTIES SHALL BE SWEPT OFF PAVEMENTS AND REMOVED FROM VEGETATED AREAS DAILY.
7. COPIES OF THE EROSION & SEDIMENT CONTROL PLAN SHALL BE KEPT ON SITE.
8. MAINTAIN EROSION AND SEDIMENT CONTROL PER THE PLAN AND AS NECESSARY TO MEET THE REQUIREMENTS OF THE ORDINANCE, UNTIL THE SITE HAS UNDERGONE FINAL STABILIZATION AND RECEIVED FINAL ACCEPTANCE FROM THE MUNICIPALITY.
9. AN EROSION AND SEDIMENT CONTROL PRACTICE INSPECTION LOG SHALL BE MAINTAINED. LOG SHALL NOTE THE TIME, DATE AND LOCATION OF INSPECTION, THE PHASE OF CONSTRUCTION AT THE SITE, PERSON DOING THE INSPECTION, ASSESSMENT OF CONTROL PRACTICES, AND DESCRIPTION OF EROSION AND SEDIMENT CONTROL MEASURES OR MAINTENANCE DONE IN RESPONSE TO INSPECTION.

CONSTRUCTION NOTES:

1. TOPSOIL TO BE REMOVED FROM THE PROJECT SITE PRIOR TO PLACEMENT OF FILL OR SUBGRADE MATERIAL. EXCESS TOPSOIL TO BE STOCKPILED ON THE SITE AS INDICATED.
2. ALL EXCAVATED AREAS NOT RECEIVING PAVEMENT TO BE COVERED WITH A MINIMUM OF 6" OF TOPSOIL, SEEDED AND MULCHED AS SOON AS FINAL GRADE HAS BEEN ACHIEVED. SEEDING SHALL BE IN ACCORDANCE WITH WDNR TECH. STANDARD (1059).
3. EROSION CONTROL METHODS SHALL BE IMPLEMENTED, AS DIRECTED BY THE ENGINEER, PRIOR TO AND DURING CONSTRUCTION, TO CONTROL WATER POLLUTION, EROSION AND SILTATION, INCLUDING, BUT NOT LIMITED TO HAY BALE DIKES AND SILT FENCES. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE WDNR TECHNICAL STANDARDS.
4. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
5. CONTRACTOR IS RESPONSIBLE FOR CONTACTING DIGGERS HOTLINE FOR THE LOCATION OF THE UTILITIES.
6. SITE DEWATERING IS NOT ANTICIPATED, HOWEVER SHOULD DEWATERING BE NECESSARY, IT SHALL BE PERFORMED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD (1061).
7. THE CONTRACTOR SHALL DISPOSE OF ALL WASTE AND EXCESS MATERIAL AT AN APPROVED LOCATION.

CONSTRUCTION SEQUENCE:

SUMMER 2026 TO SPRING 2027

- INSTALL EROSION CONTROL DEVICES IN ACCORDANCE WITH THE WDNR TECHNICAL STANDARDS AND STORMWATER MANAGEMENT PLAN.
- STRIP TOPSOIL WITHIN GRADING LIMITS
- ROUGH GRADE SITE
- CONSTRUCT BUILDING
- INSTALL SITE UTILITIES
- INSTALL BASE COURSE
- TOPSOIL, SEED, FERTILIZE AND MULCH/EROSION MAT
- INSTALL PAVEMENT
- RE-SEED ANY UNVEGETATED AREAS
- REMOVE EROSION CONTROL BMPS UPON SITE STABILIZATION

20 10 0 20 40
GRAPHIC SCALE

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PROPOSED FACILTY FOR,
FENILI SHOP BUILDING
N9672 FRIENDSHIP DR.
VILLAGE OF HARRISON, WISCONSIN

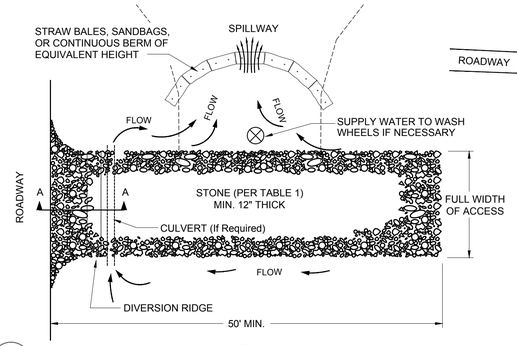
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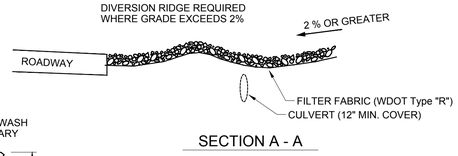
EROSION CONTROL DETAILS

TABLE 1: GRADATION FOR STONE TRACKING PADS	
SIEVE SIZE	% PASSING BY WEIGHT
3"	100
2 1/2"	90-100
1 1/2"	25-60
3/4"	0-20
3/8"	0-5



A

PLAN

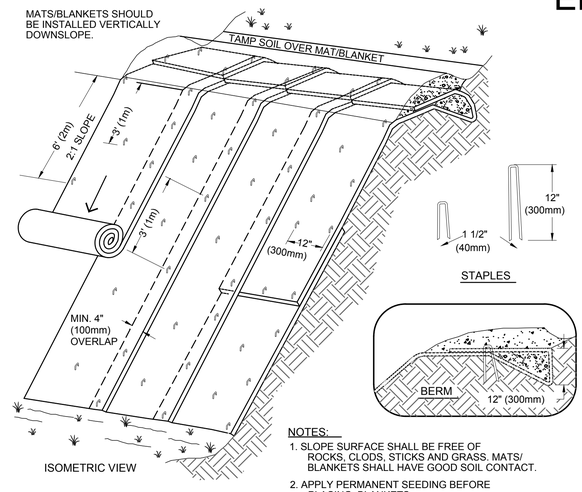


SECTION A - A

NOTES:

1. TRACKING PAD SHALL BE FULL WIDTH OF THE ACCESS POINT UNLESS EXITING TRAFFIC IS RESTRICTED TO A DEDICATED EGRESS LANE WITH A MINIMUM 12 FOOT WIDTH.
2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
3. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
4. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED EROSION CONTROL BMP.
5. USE SANDBAGS, STRAW BALES OR OTHER APPROVED METHODS TO CHANNELIZE RUNOFF TO BMP AS REQUIRED.

STONE TRACKING PAD



ISOMETRIC VIEW

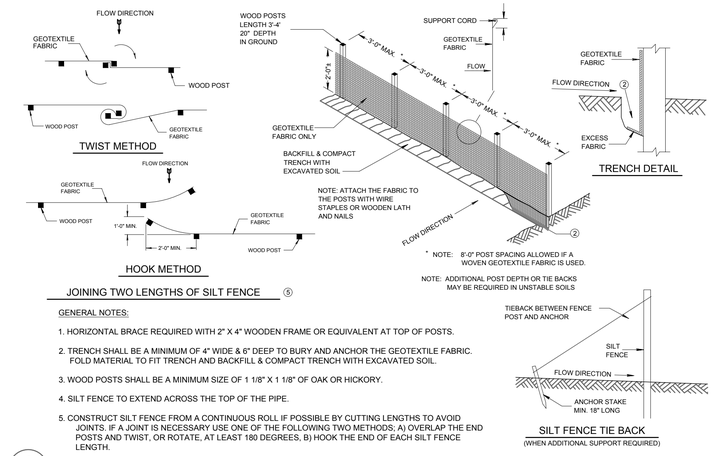
TYPICAL SLOPE SOIL STABLIZATION

B

NOTES:

1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/ BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

EROSION CONTROL MAT FOR SLOPE INSTALLATION

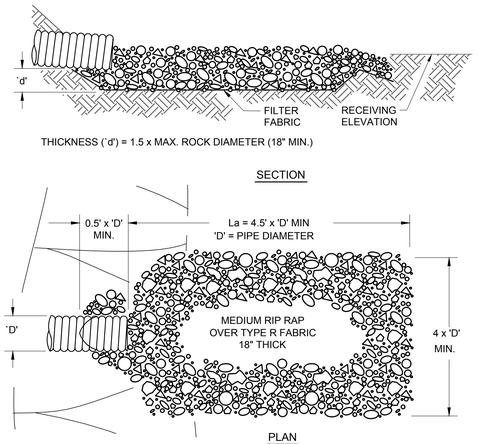


JOINING TWO LENGTHS OF SILT FENCE ⑤

GENERAL NOTES:

1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. 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.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. 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) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

SILT FENCE



THICKNESS ('d') = 1.5 x MAX. ROCK DIAMETER (18" MIN.)

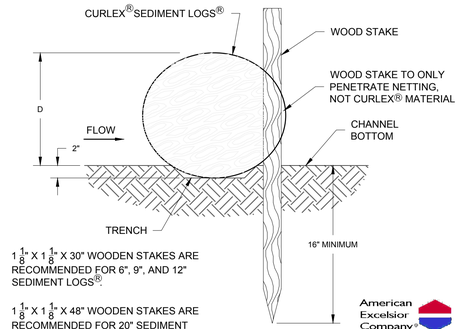
SECTION

PLAN

NOTES:

1. 'La' = LENGTH OF APRON. DISTANCE 'La' SHALL BE OF SUFFICIENT LENGTH TO DISSIPATE ENERGY.
2. APRON SHALL BE SET AT A ZERO GRADE AND ALIGNED STRAIGHT.
3. FILTER MATERIAL SHALL BE WDOT TYPE HR FILTER FABRIC

ENERGY DISSIPATOR



$1\frac{1}{8}$" X $1\frac{1}{8}$" X 30" WOODEN STAKES ARE RECOMMENDED FOR 6", 9", AND 12" SEDIMENT LOGS®.

$1\frac{1}{8}$" X $1\frac{1}{8}$" X 48" WOODEN STAKES ARE RECOMMENDED FOR 20" SEDIMENT LOGS®.

STAKING

American Excelsior Company® Earth Science Division

CURLEX® SEDIMENT LOGS®

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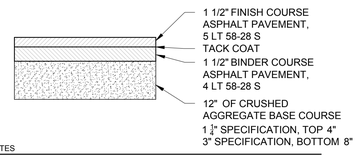
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SITE DETAILS

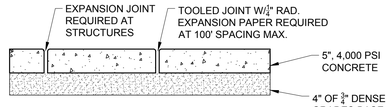


NOTES

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH WISCONSIN DOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION.

A

STANDARD DUTY ASPHALT PAVEMENT



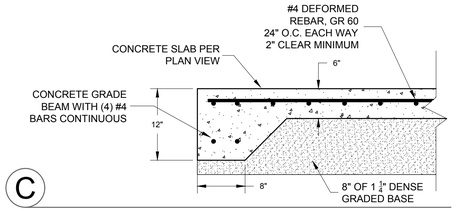
STANDARD SIDEWALK

NOTES:

1. CONCRETE SHALL RECEIVE A BROOMED FINISH.
2. JOINT SPACING SHALL BE 5' OR WIDTH OF SIDEWALK, WHICHEVER IS GREATER. (10' MAX).
3. SIDEWALK WIDTH VARIES.

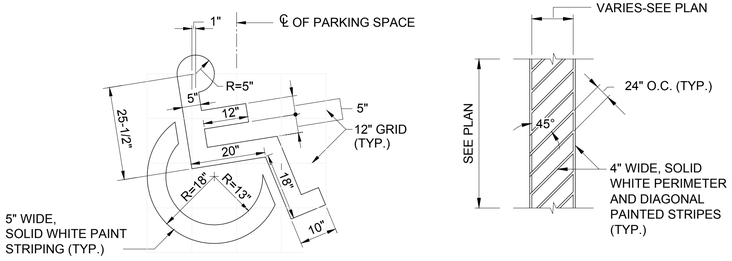
B

CONCRETE SIDEWALK



C

DUMPSTER ENCLOSURE PAD

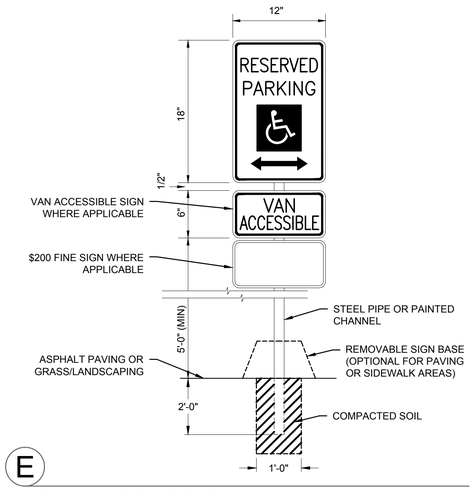


H.C. SYMBOL

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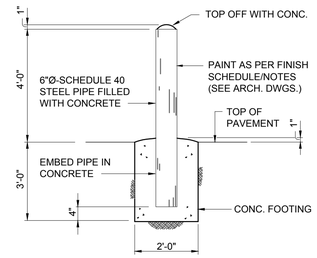
D

HANDICAP PAVEMENT MARKING DETAILS



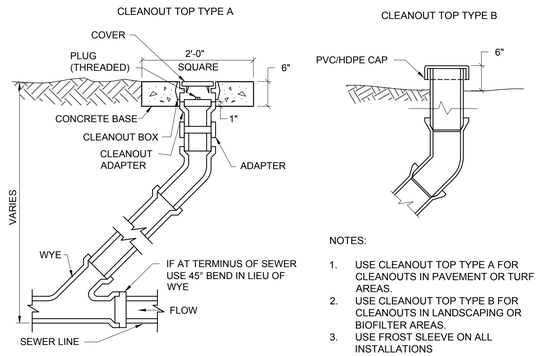
E

ADA HANDICAP SIGN



F

PIPE BOLLARD

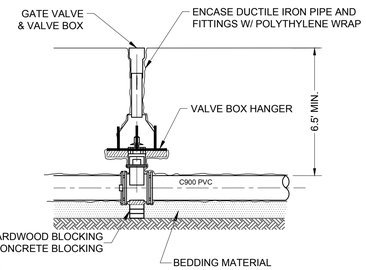


NOTES:

1. USE CLEANOUT TOP TYPE A FOR CLEANOUTS IN PAVEMENT OR TURF AREAS.
2. USE CLEANOUT TOP TYPE B FOR CLEANOUTS IN LANDSCAPING OR BIOFILTER AREAS.
3. USE FROST SLEEVE ON ALL INSTALLATIONS

G

CLEANOUT



NOTES:

1. PROVIDE FROST PROTECTION ON SERVICE BOX IN ACCORDANCE WITH STATE STANDARDS.

H

GATE VALVE

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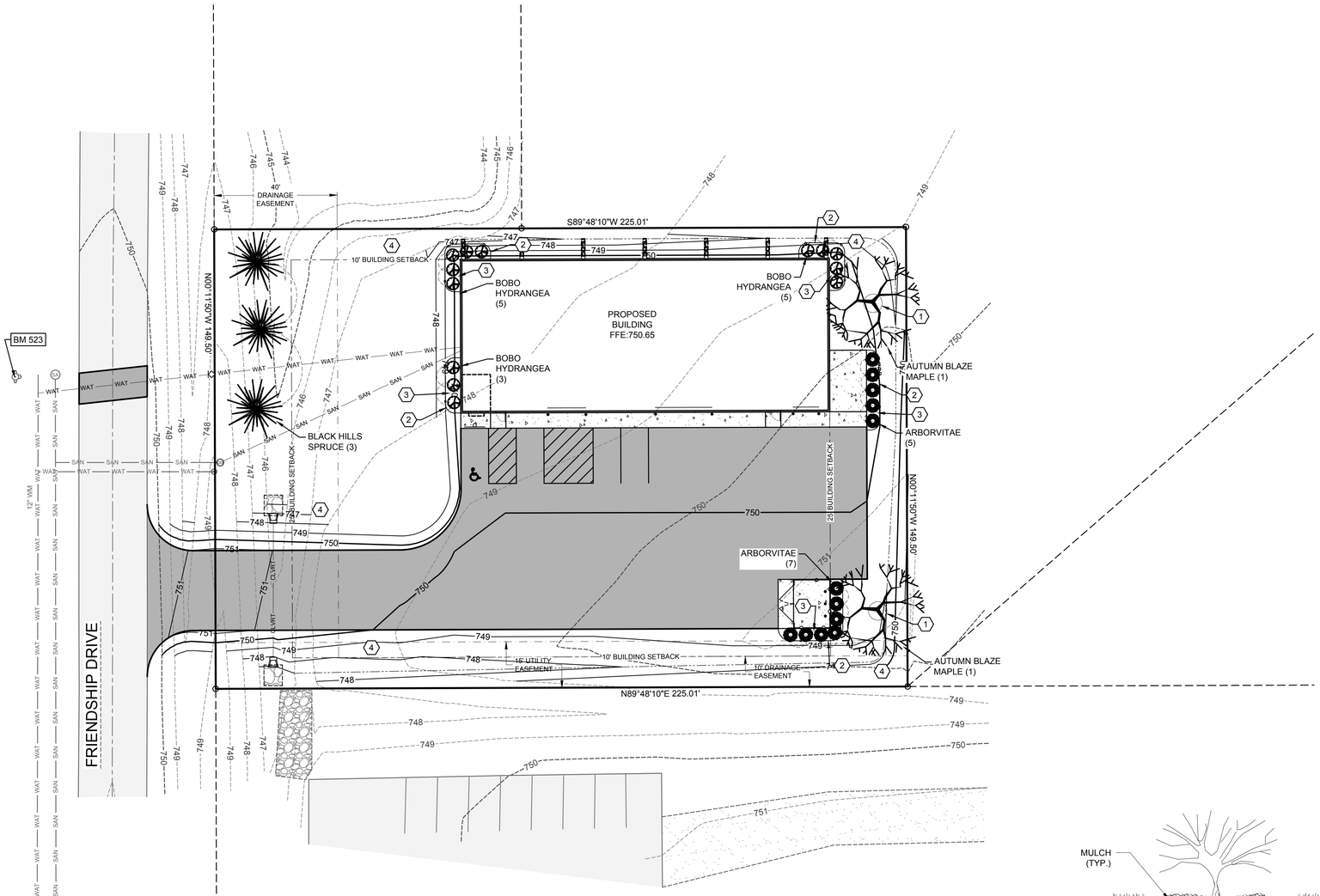
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LANDSCAPE PLAN



PLANT TABLE

SYMBOL	COMMON NAME	SCIENTIFIC NAME	QUANTITY	SIZE
	AUTUMN BLAZE MAPLE	ACER X FREEMANI 'JEFFERSRED'	2	2"
	BLACK HILLS SPRUCE	PICEA GLAUCA DENSATA	3	6'
	ARBORVITAE	THUJA OCCIDENTALIS 'SMARAGD'	12	6'
	BOBO HYDRANGEA	HYDRANGEA PANICULATA 'ILVOBO'	13	15"

SHEET KEY NOTES:

1. 6' DIAMETER SPADE EDGE & 3" HARDWOOD MULCH; SEE DETAIL A THIS SHEET
2. PROFESSIONAL GRADE EDGING
3. 1½" RIVER ROCK, 3" THICK, WITH WEED BARRIER FABRIC
4. LAWN

LANDSCAPE REQUIREMENTS

20 POINTS PER 1,000 SF OF IMPERVIOUS
17,520 SF / 1,000 SF X 20 POINTS = 351 POINTS
50% TREES AND 50% SHRUBS

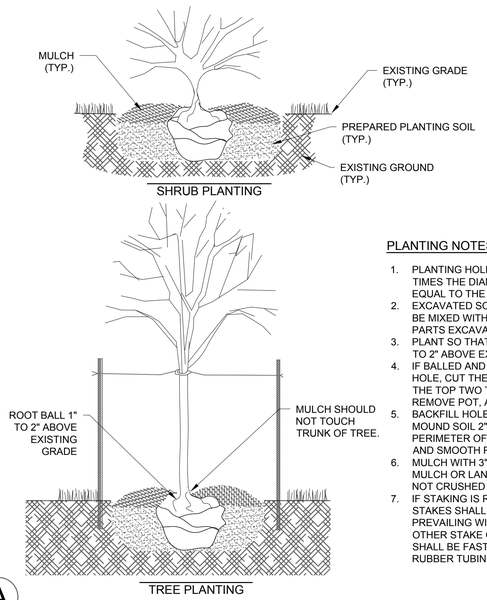
BUFFER YARD - IN FRONT
10' WIDE 75% OPACITY WITHIN 12 MONTHS OF PLANTING

LANDSCAPE POINTS

TREES		
AUTUMN BLAZE MAPLE (50 PTS)	2 X 50 =	100 PTS
BLACK HILLS SPRUCE (30 PTS)	3 X 30 =	90 PTS
TOTAL		190 PTS
SHRUBS		
ARBORVITAE (12 PTS)	12 X 12 =	144 PTS
ANNABELLE HYDRANGEA (4 PTS)	13 X 4 =	52 PTS
TOTAL		196 PTS
GRAND TOTAL		386 PTS

LANDSCAPE NOTES

1. DIAMETERS OF PLANT MATERIALS AS DRAWN ARE REPRESENTATIVE OF PLANTS AT OR NEAR MATURITY RATHER THAN AT INITIAL PLANTING SIZES.
2. THE PLANT LIST IS INTENDED AS A GUIDE FOR THE CONTRACTOR. IN THE EVENT OF DISCREPANCY BETWEEN THE NUMBER OF PLANTS ON THE PLANT LIST AND ON THE DRAWING, THE GREATER NUMBER SHALL APPLY.
3. ADJUSTMENTS IN LOCATIONS OF PLANT MATERIALS MAY BE NECESSARY DUE TO NEW OR EXISTING UTILITIES OR SITE OBSTRUCTIONS. REVIEW WITH ARCHITECT BEFORE ADJUSTMENTS ARE MADE.
4. ALL SHRUBS OCCURRING IN CONTINUOUS ROW OR FORMAL ARRANGEMENT SHALL HAVE UNIFORM HEIGHT, SPREAD AND HABIT OF GROWTH. FOR GROUNDCOVER LOCATIONS, FILL AREA WITH QUANTITY OF PLANTS DESIGNATED; EVENLY SPACED.
5. A MINIMUM OF 12" DEPTH OF 50% TOPSOIL AND 50% COMPOST SHALL BE PLACED IN ALL BED AREAS BY THE CONTRACTOR PRIOR TO PLANT INSTALLATION.
6. MULCH TREES WITH MIN. 3" DEPTH OF GRAVEL OR HARDWOOD MULCH AS NOTED ON PLAN AND PER DETAILS. MULCH SHALL EXTEND IN A CONTINUOUS LAYER WITHIN PLANTING BEDS FROM FACE TO FACE OF SITE STRUCTURES - WALKS, BUILDING, OR OTHER PLANT BED LIMITS.
7. PROTECT EXISTING LAWN AREAS; REPAIR ANY CONTRACT RELATED DAMAGE TO LAWN AREAS.
8. THE CONTRACTOR SHALL MAINTAIN ALL PLANTS AND BEDS FOR A 60 DAY PERIOD AFTER ACCEPTANCE OF THE WORK BY THE ARCHITECT. THIS INCLUDES REGULAR WATERING, WEEDING AND MOWING.
9. THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR ONE-YEAR FROM DATE OF ACCEPTANCE. BEFORE END OF WARRANTY PERIOD CONTRACTOR SHALL REPLACE ALL TREES, SHRUBS OR PLANTINGS NOT ALIVE OR IN A HEALTHY GROWING CONDITION.
10. SEED ALL DISTURBED AREAS WITH WDot No. 40 GRASS MIX.



A
PLANTING DETAIL

PLANTING NOTES:

1. PLANTING HOLE SHALL BE A MINIMUM OF TWO TIMES THE DIAMETER OF THE ROOT BALL, AND EQUAL TO THE DEPTH OF THE ROOT BALL.
2. EXCAVATED SOIL FROM PLANTING HOLE SHALL BE MIXED WITH 1 PART POTTING SOIL TO 2 PARTS EXCAVATED SOIL.
3. PLANT SO THAT THE ROOT COLLAR WILL BE 1" TO 2" ABOVE EXISTING GRADE.
4. IF BALLED AND BURLAPED, PLACE PLANT IN HOLE, CUT THE BALLING TWINE, AND PEEL BACK THE TOP TWO THIRDS OF BURLAP. IF POTTED REMOVE POT, AND PLACE PLANT INTO HOLE.
5. BACKFILL HOLE WITH PREPARED SOIL, AND MOUND SOIL 2" TO 3" HIGH IN A RING AT THE PERIMETER OF THE EXCAVATED HOLE. WATER AND SMOOTH RING PRIOR TO MULCHING.
6. MULCH WITH 3" OF SHREDDED HARDWOOD MULCH OR LANDSCAPE STONE (RIVER ROCK, NOT CRUSHED STONE)
7. IF STAKING IS REQUIRED FOR TREES TWO STAKES SHALL BE USED ONE ON THE PREVAILING WIND SIDE OF THE TREE, AND THE OTHER STAKE ON THE OPPOSITE SIDE. STAKES SHALL BE FASTENED TO THE TREE USING RUBBER TUBING, OR NYLON STRAPPING.

20 10 0 20 40
GRAPHIC SCALE

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