

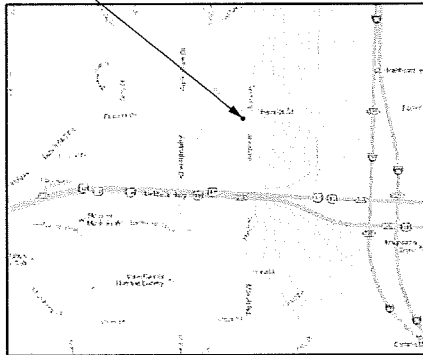
**5417 FEMRITE DRIVE PARKING LOT
BADGER BUS
CITY OF MADISON, DANE COUNTY**

APPLICATION REVIEW DRAWINGS

DECEMBER 2014



SITE LOCATION



SITE LOCATION MAP

SCALE: NTS

PROJECT DIRECTORY:

ENGINEER:
EDGE CONSULTING ENGINEERS, INC.
624 WATER STREET
PRAIRIE DU SAC, WI 53718
CONTACT: BRIAN BEAULIEU
PHONE: (608) 644-1449

OWNER:
5513 FEMRITE, LLC
5501 FEMRITE DRIVE
MADISON, WI 53718
CONTACT: DAVID MEIER
PHONE: (608) 255-1511

PROJECT INFO:

SITE LOCATION:
5417 FEMRITE DRIVE
MADISON, WI 53718

PLSS LOCATION:
SE 1/4 OF THE SE 1/4,
SEC 22, T7H, R10E,
CITY OF MADISON,
DANE COUNTY,
WISCONSIN

ZONING:
EXISTING - IL (INDUSTRIAL LIMITED)
PROPOSED - IL (INDUSTRIAL LIMITED)

PARCEL NO.:
071022400924

PROJECT AREAS:
TOTAL LOT AREA - 9.427 ACRES - 18,615 SF
TOTAL DISTURBED AREA - 17,220 SF
EXISTING IMPERVIOUS AREA - 4,720 SF
ADDITIONAL IMPERVIOUS AREA - 7,992 SF
TOTAL IMPERVIOUS AREA - 12,712 SF (68.3%)
TOTAL PERVIOUS AREA - 5,903 SF (31.7%)

SHEET INDEX:

NO.: PAGE TITLE

G001	TITLE SHEET
C101	DEMOLITION PLAN
C102	SITE PLAN
C103	GRADING PLAN
C501	CONSTRUCTION DETAILS
C502	CONSTRUCTION DETAILS
L100	LANDSCAPING PLAN



**5417 FEMRITE DRIVE PARKING LOT
BADGER BUS
CITY OF MADISON, DANE COUNTY**


TITLE SHEET

NO.	DATE	DESCRIPTION

ISSUE DATE:
12/03/2014
SET TYPE:
PR

GRAPHIC SCALE:
2,000' = 1" / 1" = 2000'
DRAWN BY:
B/B
CHECKED BY:
AJO
PLOT DATE:
12/3/2014
PROJECT NUMBER:
11455
FILE NAME:
G001.dwg

SHEET IDENTIFICATION:
G001


 TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
 CALL DIGGERS' HOTLINE
 1-800-242-8511
 TOLL FREE
 FAX A LOCATE 1-800-338-3860
 TDD/FOR HEARING IMPAIRED 1-800-542-2289
 WIS. STATUTE 182.0175 (1974)
 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

ENGINEER SEAL:

*PRELIMINARY
NOT FOR CONSTRUCTION*

I HEREBY CERTIFY THAT THIS PLAN SET WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

SIGNATURE: _____

DATE: _____

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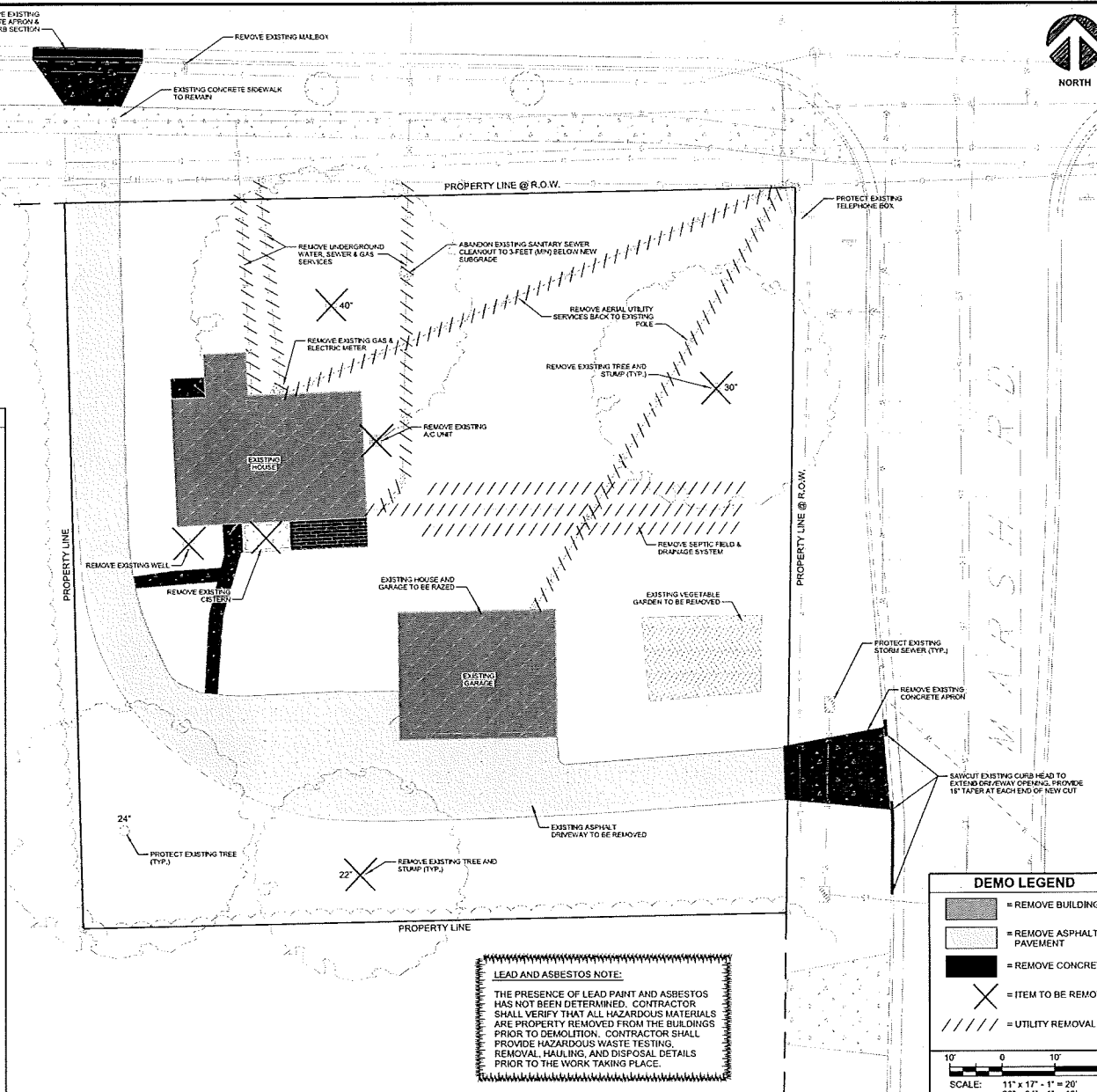


Edge
 Consulting Engineers, Inc.
 624 Water Street
 Madison, WI 53703
 608.261.1234
 www.edgeconsult.com

5417 FEMRITE DRIVE PARKING LOT
BADGER BUS
CITY OF MADISON, DANE COUNTY
DEMOLITION PLAN

GENERAL DEMOLITION NOTES

- IN ACCORDANCE WITH WISCONSIN STATUTE 182.0175, DAMAGE TO TRANSMISSION FACILITIES, EXCAVATOR SHALL BE SOLELY RESPONSIBLE TO PROVIDE ADVANCE NOTICE TO THE DESIGNATED "ONE CALL SYSTEM" NOT LESS THEN THREE WORKING DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION REQUIRED TO PERFORM WORK CONTAINED ON THIS DRAWING. EXCAVATION SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF THIS STATUTE RELATIVE TO EXCAVATOR'S WORK.
- EXISTING CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND DISCREPANCIES REPORTED TO ENGINEER PRIOR TO STARTING OF WORK.
- ALL UTILITY SERVICES TO EXISTING BUILDINGS SCHEDULED FOR DEMOLITION SHALL BE REMOVED BY UTILITY PROVIDER OR CONTRACTOR WHERE ALLOWED. MAINTAIN ALL OTHER UTILITY SERVICES ADJACENT TO THIS PROJECT IN SERVICE THROUGHOUT PROJECT. RELOCATE EXISTING UTILITY SERVICES WHEN REQUIRED, CONTRACTOR TO COORDINATE CONSTRUCTION SEQUENCING WITH ALL AFFECTED UTILITIES. A LISTING OF KNOWN UTILITY PROVIDERS IS AS FOLLOWS:
 NATURAL GAS (MADISON GAS & ELECTRIC)
 ELECTRIC (MADISON GAS & ELECTRIC AND ATC)
 WATER / SEWER (CITY OF MADISON)
 TELECOMMUNICATIONS (AT&T)
 CABLE TV (CHARTER COMMUNICATIONS)
- REMOVE ALL TREES AND VEGETATION WITHIN DEMO LIMITS AS PART OF THIS PROJECT UNLESS OTHERWISE NOTED. TREES NOTED TO REMAIN SHALL BE PROTECTED THROUGHOUT THE PROJECT.
- STAGING AREAS SHALL BE LOCATED WITHIN THE PROPERTY, OR ON ADJACENT PROPERTY OWNED BY BADGER BUS WITH PRIOR KNOWLEDGE OF OWNER.
- BASEMENT FOUNDATIONS AND FLOORS SHALL BE REMOVED COMPLETELY.
- CONTRACTOR IS RESPONSIBLE FOR SECURING THE JOB SITE, TO PROTECT THE PUBLIC AND ALLOW CONTINUED ACCESS TO NEIGHBORING BUILDINGS OUTSIDE OF THE PROJECT LIMITS.
- CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH NR447 FOR DUST CONTROL. DEMOLITION TO BE COMPLETED KEEPING BUILDING MATERIALS WET ALLOWING NO VISIBLE EMISSIONS.
- CONTRACTOR SHALL REMOVE, CONTAIN AND PROPERLY DISPOSE OF ALL HVAC SYSTEMS AND REFRIGERANTS FROM EXISTING A/C UNITS AND OTHER COOLING SYSTEMS.
- CONTRACTOR TO NOTIFY THE MADISON WATER UTILITY TO REMOVE WATER METERS PRIOR TO DEMOLITION. ALL REMOVED WATER SERVICES SHALL BE ABANDONED IN ACCORDANCE WITH CITY OF MADISON WATER UTILITY REQUIREMENTS.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS TO PERMANENTLY PLUG EACH EXISTING SANITARY SEWER LATERAL THAT SERVE THE BUILDINGS BEING DEMOLISHED AT THE MAIN. FOR EACH LATERAL TO BE PERMANENTLY PLUGGED THE CONTRACTOR SHALL PAY FOR THE APPROPRIATE DEPOSITS AND FEES IN ACCORDANCE WITH CITY REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE A REUSE/RECYCLING PLAN, TO BE REVIEWED AND APPROVED BY THE CITY'S RECYCLING COORDINATOR, MR. GEORGE DRECKMANN, PRIOR TO DEMOLITION.
- CONTRACTOR SHALL SUBMIT DOCUMENTATION DEMONSTRATING COMPLIANCE WITH THE APPROVED REUSE AND RECYCLING PLAN WITHIN 90 DAYS OF COMPLETION OF DEMOLITION.
- CONTRACTOR SHALL NOTIFY THE OWNER IF ANY WELLS ARE ENCOUNTERED DURING DEMOLITION.
- ALL BENCHMARKS AND CONTROL POINTS SHALL BE PROTECTED AND THE CONTRACTOR SHALL BE REQUIRED TO PAY FOR REPLACEMENT OF ANY THAT ARE DISTURBED DURING CONSTRUCTION.



LEAD AND ASBESTOS NOTE:
 THE PRESENCE OF LEAD PAINT AND ASBESTOS HAS NOT BEEN DETERMINED. CONTRACTOR SHALL VERIFY THAT ALL HAZARDOUS MATERIALS ARE PROPERLY REMOVED FROM THE BUILDINGS PRIOR TO DEMOLITION. CONTRACTOR SHALL PROVIDE HAZARDOUS WASTE TESTING, REMOVAL, HAULING, AND DISPOSAL DETAILS PRIOR TO THE WORK TAKING PLACE.

DEMO LEGEND

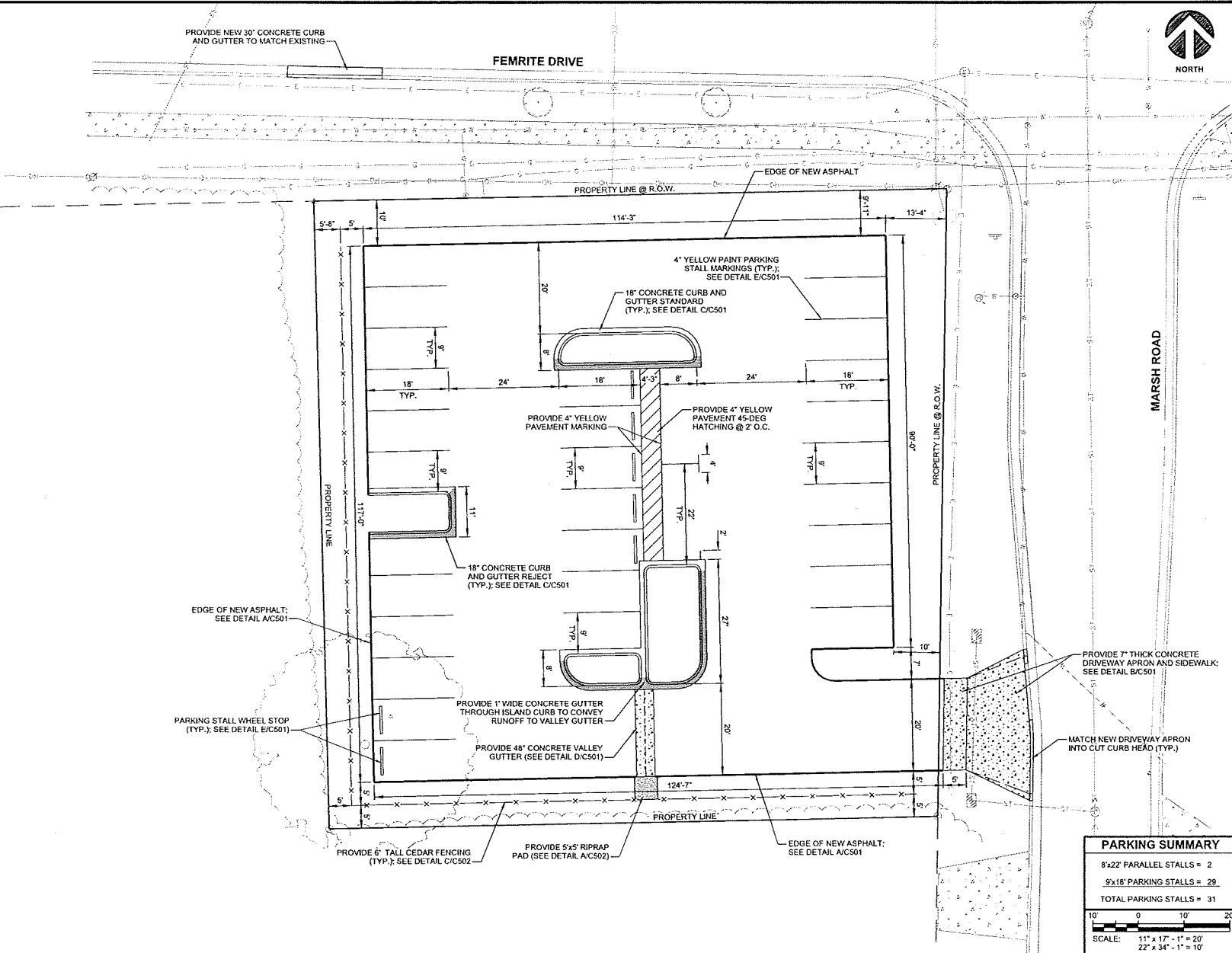
- [Hatched Box] = REMOVE BUILDING
- [Dotted Box] = REMOVE ASPHALT PAVEMENT
- [Solid Black Box] = REMOVE CONCRETE
- [X Symbol] = ITEM TO BE REMOVED
- [Dashed Line] = UTILITY REMOVAL

SCALE: 1" = 10'
 11" x 17" - 1" = 20'
 22" x 34" - 1" = 10'

REVISIONS:	DESCRIPTION:

ISSUE DATE:	12/03/2014
SET TYPE:	PR
GRAPHIC SCALE:	25,000' / 1" =
DRAWN BY:	BJB
CHECKED BY:	AJO
PLOT DATE:	12/3/2014
PROJECT NUMBER:	11455
FILE NAME:	C101.dwg
SHEET IDENTIFICATION:	C101

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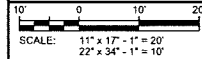
**5417 FEMRITE DRIVE PARKING LOT
BADGER BUS
CITY OF MADISON, DANE COUNTY
SITE PLAN**

MARK	DATE	DESCRIPTION

ISSUE DATE:	12.06.2014
SET TYPE:	PS
GRAPHIC SCALE:	20.00' / 1" = 10'
DRAWN BY:	BJB
CHECKED BY:	AJO
PLT DATE:	12.20.14
PROJECT NUMBER:	11455
FILE NAME:	C102.dgn

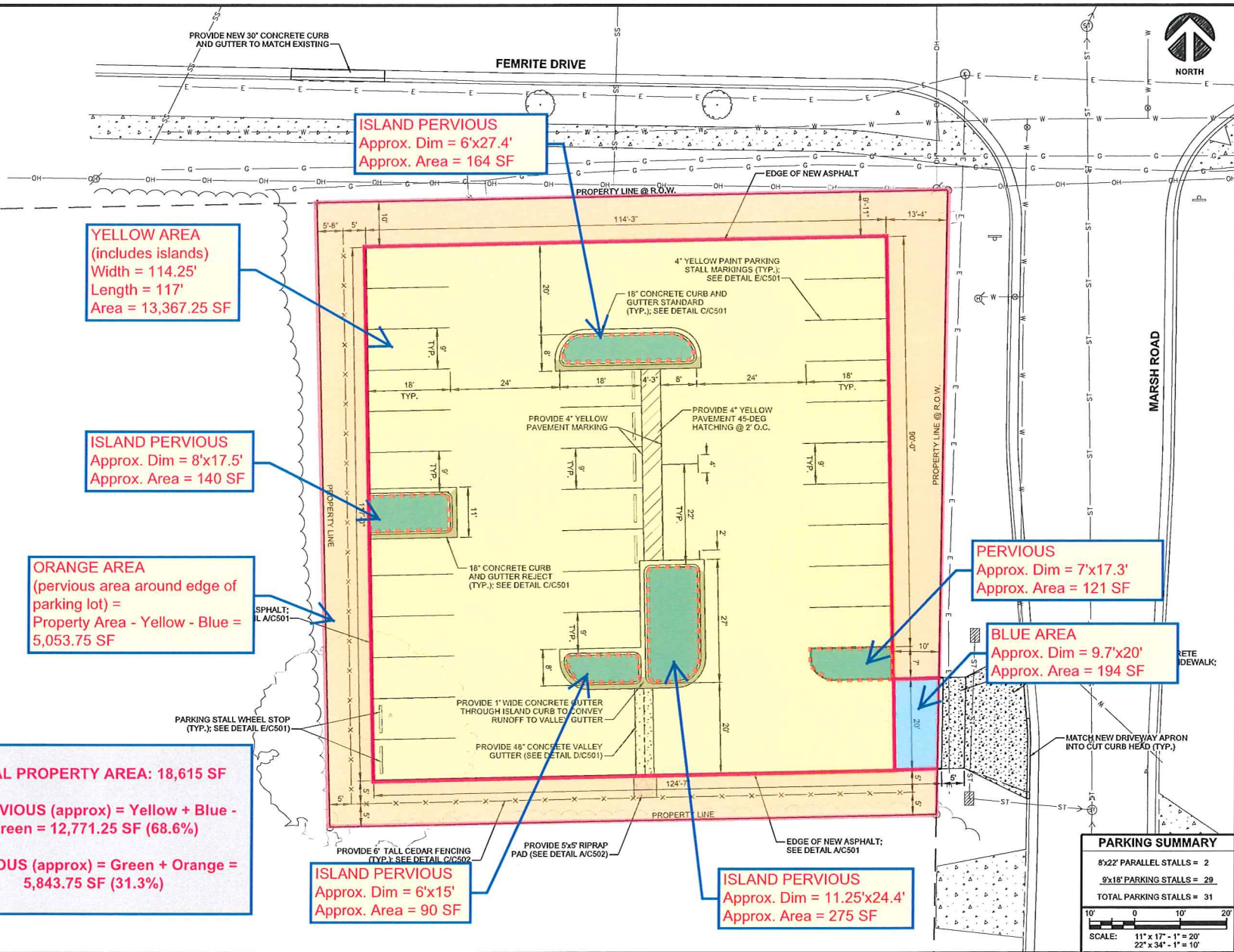
PARKING SUMMARY

8'x22' PARALLEL STALLS =	2
9'x17' PARKING STALLS =	29
TOTAL PARKING STALLS =	31



SHEET IDENTIFICATION:
C102

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ISLAND PERVIOUS
 Approx. Dim = 6'x27.4'
 Approx. Area = 164 SF

YELLOW AREA
 (includes islands)
 Width = 114.25'
 Length = 117'
 Area = 13,367.25 SF

ISLAND PERVIOUS
 Approx. Dim = 8'x17.5'
 Approx. Area = 140 SF

ORANGE AREA
 (pervious area around edge of parking lot) =
 Property Area - Yellow - Blue =
 5,053.75 SF

TOTAL PROPERTY AREA: 18,615 SF
IMPERVIOUS (approx) = Yellow + Blue - Green = 12,771.25 SF (68.6%)
PERVIOUS (approx) = Green + Orange = 5,843.75 SF (31.3%)

ISLAND PERVIOUS
 Approx. Dim = 6'x15'
 Approx. Area = 90 SF

ISLAND PERVIOUS
 Approx. Dim = 11.25'x24.4'
 Approx. Area = 275 SF

PERVIOUS
 Approx. Dim = 7'x17.3'
 Approx. Area = 121 SF

BLUE AREA
 Approx. Dim = 9.7'x20'
 Approx. Area = 194 SF

PARKING SUMMARY

8'x22' PARALLEL STALLS =	2
9'x18' PARKING STALLS =	29
TOTAL PARKING STALLS =	31

SCALE: 11" x 17" - 1" = 20'
 22" x 34" - 1" = 10'



5417 FEMRITE DRIVE PARKING LOT
BADGER BUS
CITY OF MADISON, DANE COUNTY
SITE PLAN

REVISIONS:

NO.	DATE	DESCRIPTION

ISSUE DATE: 12/03/2014
SET TYPE: PR
GRAPHIC SCALE: 20,000'/in.
DRAWN BY: BJB
CHECKED BY: AJD
PLOT DATE: 12/3/2014
PROJECT NUMBER: 11455
FILE NAME: C102.dgn
SHEET IDENTIFICATION: **C102**



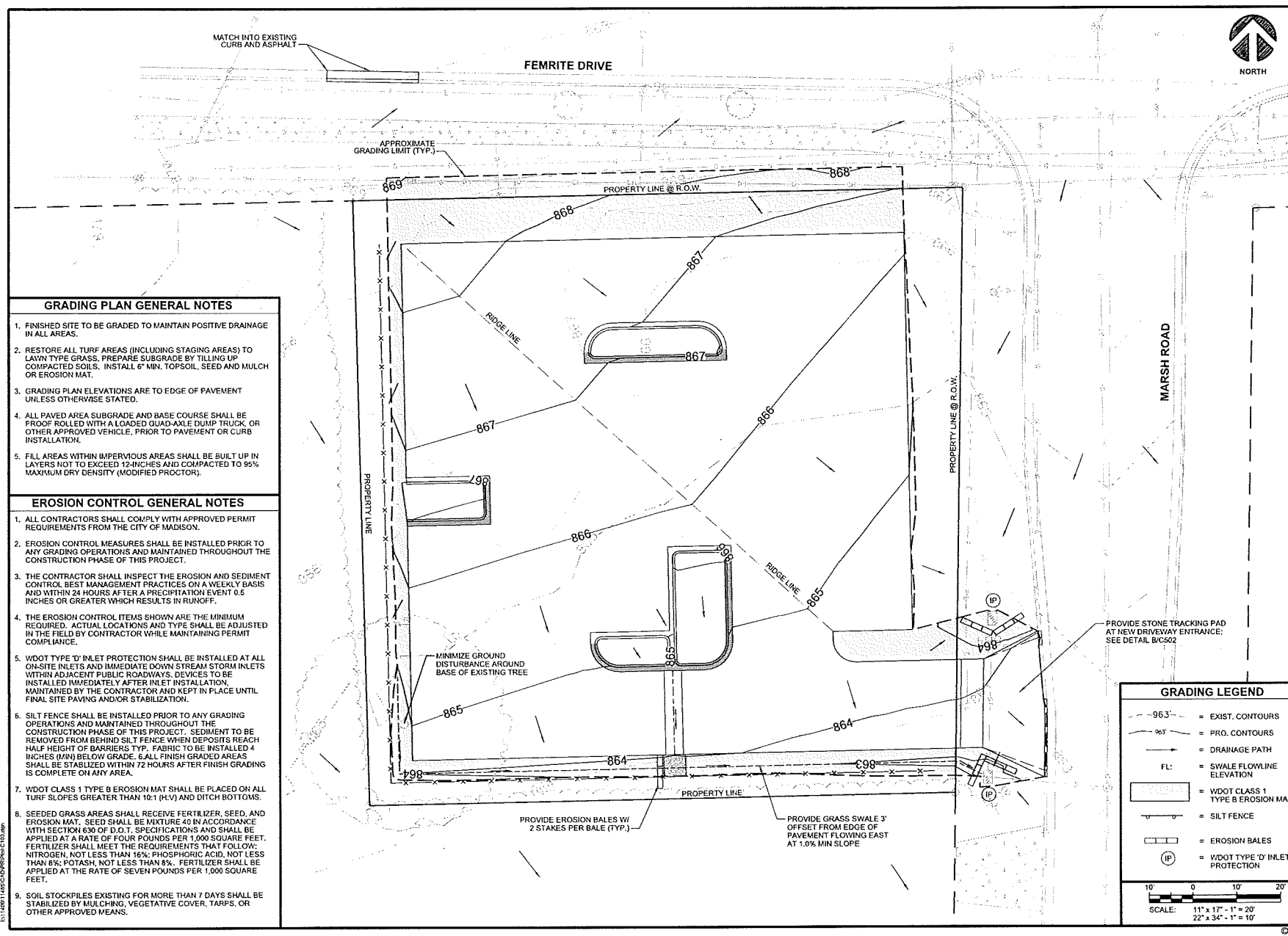
Edge
 Consulting Engineers, Inc.
 824 Water Street
 Phone: 608.261.5376
 Fax: 608.664.1599
 www.edgecmur.com

**5417 FEMRITE DRIVE PARKING LOT
 BADGER BUS
 CITY OF MADISON, DANE COUNTY
 GRADING PLAN**

REVISIONS	DATE	DESCRIPTION

ISSUE DATE:	12/20/14
SET TYPE:	PR
GRAPHIC SCALE:	20,000' / IN.
DRAWN BY:	BJP
CHECKED BY:	AJD
PLOT DATE:	12/20/14
PROJECT NUMBER:	11459
FILE NAME:	C103.dgn

SHEET IDENTIFICATION:
C103



- GRADING PLAN GENERAL NOTES**
1. FINISHED SITE TO BE GRADED TO MAINTAIN POSITIVE DRAINAGE IN ALL AREAS.
 2. RESTORE ALL TURF AREAS (INCLUDING STAGING AREAS) TO LAWN TYPE GRASS. PREPARE SUBGRADE BY TILLING UP COMPACTED SOILS. INSTALL 6" MIN. TOPSOIL, SEED AND MULCH OR EROSION MAT.
 3. GRADING PLAN ELEVATIONS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE STATED.
 4. ALL PAVED AREA SUBGRADE AND BASE COURSE SHALL BE PROOF ROLLED WITH A LOADED QUAD-AXLE DUMP TRUCK, OR OTHER APPROVED VEHICLE, PRIOR TO PAVEMENT OR CURB INSTALLATION.
 5. FILL AREAS WITH IMPERVIOUS AREAS SHALL BE BUILT UP IN LAYERS NOT TO EXCEED 12-INCHES AND COMPACTED TO 95% MAXIMUM DRY DENSITY (MODIFIED PROCTOR).

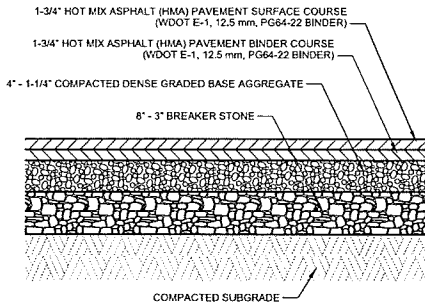
- EROSION CONTROL GENERAL NOTES**
1. ALL CONTRACTORS SHALL COMPLY WITH APPROVED PERMIT REQUIREMENTS FROM THE CITY OF MADISON.
 2. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY GRADING OPERATIONS AND MAINTAINED THROUGHOUT THE CONSTRUCTION PHASE OF THIS PROJECT.
 3. THE CONTRACTOR SHALL INSPECT THE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES ON A WEEKLY BASIS AND WITHIN 24 HOURS AFTER A PRECIPITATION EVENT 0.5 INCHES OR GREATER WHICH RESULTS IN RUNOFF.
 4. THE EROSION CONTROL ITEMS SHOWN ARE THE MINIMUM REQUIRED. ACTUAL LOCATIONS AND TYPE SHALL BE ADJUSTED IN THE FIELD BY CONTRACTOR WHILE MAINTAINING PERMIT COMPLIANCE.
 5. WDOT TYPE 'D' INLET PROTECTION SHALL BE INSTALLED AT ALL ON-SITE INLETS AND IMMEDIATE DOWN STREAM STORM INLETS WITHIN ADJACENT PUBLIC ROADWAYS. DEVICES TO BE INSTALLED IMMEDIATELY AFTER INLET INSTALLATION, MAINTAINED BY THE CONTRACTOR AND KEPT IN PLACE UNTIL FINAL SITE PAVING AND/OR STABILIZATION.
 6. SILT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING OPERATIONS AND MAINTAINED THROUGHOUT THE CONSTRUCTION PHASE OF THIS PROJECT. SEDIMENT TO BE REMOVED FROM BEHIND SILT FENCE WHEN DEPOSITS REACH HALF HEIGHT OF BARRIERS TYP. FABRIC TO BE INSTALLED 4 INCHES (MIN) BELOW GRADE. ALL FINISH GRADED AREAS SHALL BE STABILIZED WITHIN 72 HOURS AFTER FINISH GRADING IS COMPLETE ON ANY AREA.
 7. WDOT CLASS 1 TYPE B EROSION MAT SHALL BE PLACED ON ALL TURF SLOPES GREATER THAN 10:1 (H:V) AND DITCH BOTTOMS.
 8. SEEDING GRASS AREAS SHALL RECEIVE FERTILIZER, SEED, AND EROSION MAT. SEED SHALL BE MIXTURE 40 IN ACCORDANCE WITH SECTION 630 OF D.O.T. SPECIFICATIONS AND SHALL BE APPLIED AT A RATE OF FOUR POUNDS PER 1,000 SQUARE FEET. FERTILIZER SHALL MEET THE REQUIREMENTS THAT FOLLOW: NITROGEN, NOT LESS THAN 16%; PHOSPHORIC ACID, NOT LESS THAN 6%; POTASH, NOT LESS THAN 8%. FERTILIZER SHALL BE APPLIED AT THE RATE OF SEVEN POUNDS PER 1,000 SQUARE FEET.
 9. SOIL STOCKPILES EXISTING FOR MORE THAN 7 DAYS SHALL BE STABILIZED BY MULCHING, VEGETATIVE COVER, TARPS, OR OTHER APPROVED MEANS.

GRADING LEGEND

- 963'- = EXIST. CONTOURS
- 967'- = PRO. CONTOURS
- = DRAINAGE PATH
- FL: = SWALE FLOWLINE ELEVATION
- [Pattern] = WDOT CLASS 1 TYPE B EROSION MAT
- - - = SILT FENCE
- [Pattern] = EROSION BALES
- (IP) = WDOT TYPE 'D' INLET PROTECTION

SCALE: 1" = 17' - 1" = 20'
 22" x 34" - 1" = 10'

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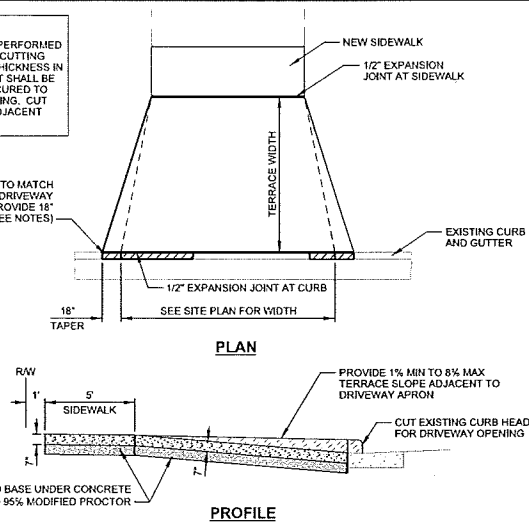


- NOTES:
1. APPLY TACK COAT BETWEEN LAYERS

A ASPHALT PAVEMENT SECTION
SCALE: NTS

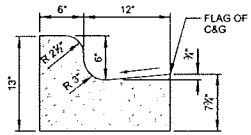
- NOTES:
1. CURB HEAD CUTTING SHALL BE PERFORMED USING EQUIPMENT CAPABLE OF CUTTING THROUGH ENTIRE CURB HEAD THICKNESS IN ONE PASS. CUTTING EQUIPMENT SHALL BE MOUNTED ON A VEHICLE OR SECURED TO THE GROUND PRIOR TO OPERATING. CUT CURB SECTION SHALL MATCH ADJACENT DRIVEWAY OPENING.

CUT CURB HEAD TO MATCH
EXTEND EXISTING DRIVEWAY
OPENING AND PROVIDE 18"
TAPER (SEE NOTES)

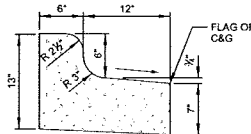


6" OF 3/4" DENSE GRADED BASE UNDER CONCRETE
COMPACTED TO 95% MODIFIED PROCTOR

B CONCRETE DRIVEWAY APRON DETAIL
SCALE: NTS



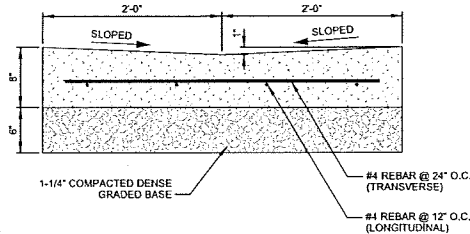
STANDARD 18" CONCRETE CURB & GUTTER



REJECT 18" CONCRETE CURB & GUTTER

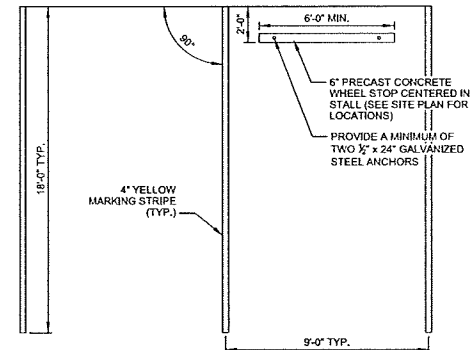
- NOTES:
1. LATERAL CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 15' NOR LESS THAN 6' IN LENGTH. THE JOINTS SHALL BE A MINIMUM OF 3" IN DEPTH.
 2. EXPANSION JOINTS SHALL BE PLACED TRANSVERSELY AT RADIUS POINTS ON CURVES OF 200' OF LESS, AND AT ANGLE POINTS, OR AS DIRECTLY BY THE ENGINEER. THE EXPANSION JOINT SHALL BE A ONE PIECE ASPHALTIC MATERIAL HAVING THE SAME DIMENSIONS AS CURB & GUTTER AT THAT STATION AND BE 1/2" THICK.
 3. IN ALL CASES, CONCRETE CURB & GUTTER SHALL BE PLACED ON 6" OF THOROUGHLY COMPACTED CRUSHED STONE.
 4. HAND TOOL ALL JOINTS.
 5. MEDIUM BROOM FINISH.
 6. SEE SITE PLAN FOR LOCATION OF STANDARD VS. REJECT CURB

C CONCRETE CURB & GUTTER DETAILS
SCALE: NTS



- NOTES:
1. LATERAL CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 10' NOR LESS THAN 6' IN LENGTH. THE JOINTS SHALL BE A MINIMUM OF 3" IN DEPTH.
 2. HAND TOOL ALL JOINTS.
 3. MEDIUM BROOM FINISH.
 4. 3" MINIMUM COVER ON ALL REBAR

D CONCRETE VALLEY GUTTER DETAIL
SCALE: NTS

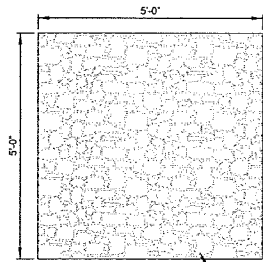


- NOTES:
1. PAINT TO BE TRAFFIC GRADE HIGH VISIBILITY (LATEX) PAINT.
 2. MARKINGS SHALL BE THICK ENOUGH TO NOT ALLOW PAVEMENT TO SHOW THROUGH PAINT SURFACE.
 3. TWO COATS MIN. REQUIRED.

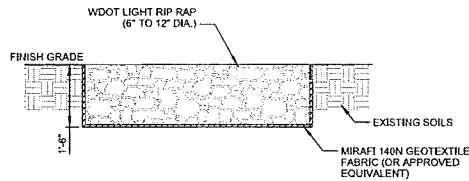
E TYPICAL PARKING STALL DETAIL
SCALE: NTS

REVISIONS:	DESCRIPTION:
NO.	DATE

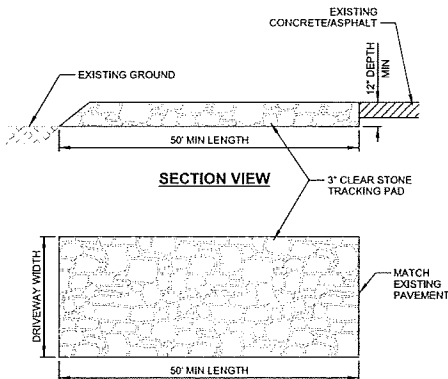
ISSUE DATE:	12/03/2014
SET TYPE:	RS
GRAPHIC SCALE:	2,000' = 1"
DRAWN BY:	B.B.
CHECKED BY:	A.J.O.
PLOT DATE:	12/3/2014
PROJECT NUMBER:	11455
FILE NAME:	C501.dgn



WDOT LIGHT RIP RAP W/ MIRAFI 140N GEOTEXTILE FABRIC (OR APPROVED EQUIVALENT)



A RIP RAP PAD DETAIL
SCALE: NTS

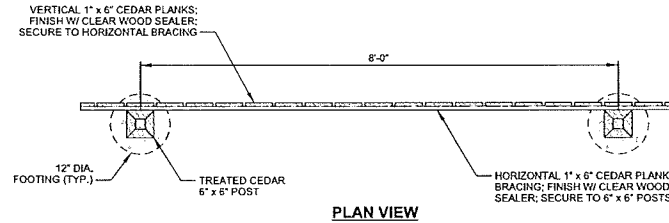


PLAN VIEW

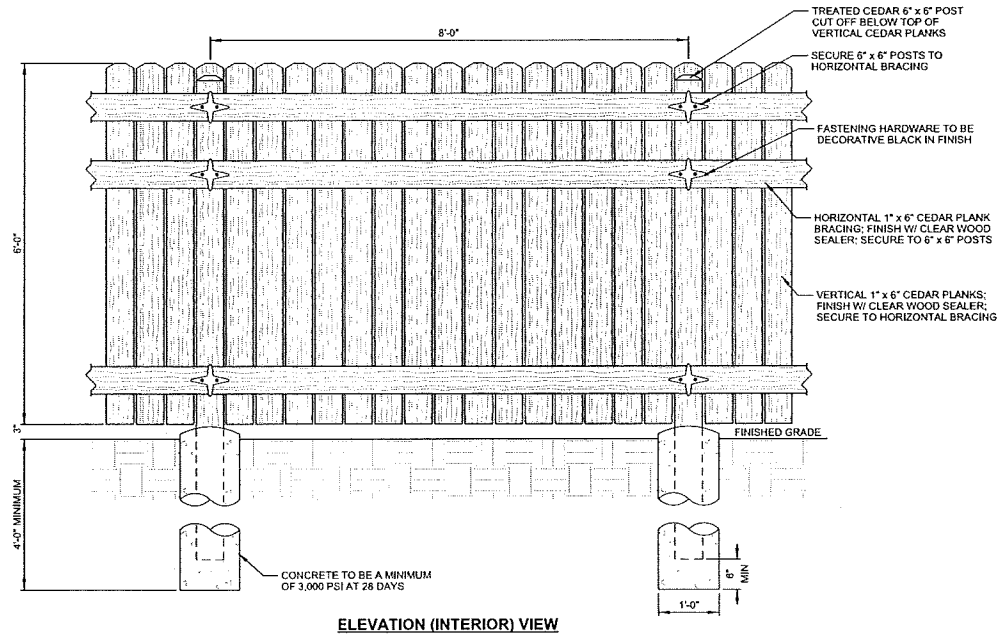
NOTES

1. TRACKING PAD WILL BE UNDERLAIN WITH A GEOTEXTILE FABRIC IN ACCORDANCE WITH WDMR TECHNICAL STANDARD 1037

B STONE TRACKING PAD
SCALE: NTS



PLAN VIEW



ELEVATION (INTERIOR) VIEW

C CEDAR PRIVACY FENCE DETAIL
SCALE: NTS

MARK	DATE	REVISIONS:	DESCRIPTION

ISSUE DATE:	12/03/2014
SET TYPE:	PH
GRAPHIC SCALE:	2,000' = 1"
DRAWN BY:	B.B.
CHECKED BY:	AJO
PLOT DATE:	12/3/2014
PROJECT NUMBER:	11455
FILE NAME:	C502.dgn

