Dane County Map

February 19, 2018

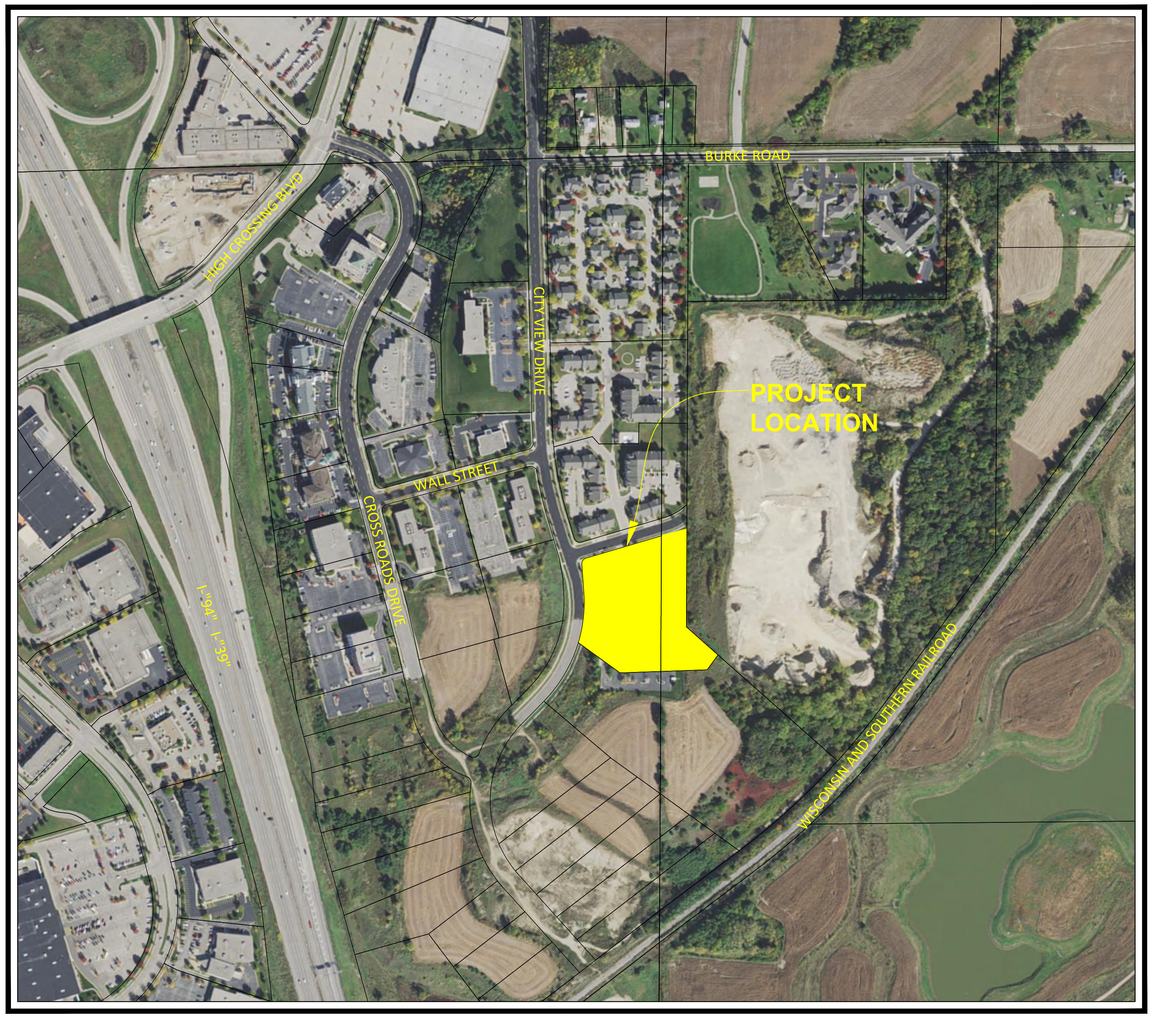
Road Names

1 inch = 700 feet

0 435 870 1,740 Feet

NOT FOR CONSTRUCTION

AMERICAN FAMILY
2335 CITY VIEW PARKING LOT EXPANSION
DANE COUNTY, WISCONSIN
CITY OF MADISON



LOCATION MAP

TOWN	RANGE	SECTION (s)
T8N	R10E	27 NE

N
W E
S
0 150 300 600
SCALE IN FEET

SHEET INDEX

LEGEND - CIVIL ENGINEERING DRAWINGS

- GENERIC MANHOLE
- GENERIC VENT
- SEWER MANHOLE
- CLEAN OUT
- SEPTIC SEPTIC SYSTEM
- SEPC SEPTIC TANK COVER
- SEPV SEPTIC VENT
- MWEL MONITORING WELL
- WATER VALVE
- HYDRANT
- YARD HYDRANT
- WATER VALVE MANHOLE
- WATER CURB STOP
- WELL
- SPRINKLER HEAD
- STORM CATCH BASIN
- STORM INLET
- GAS MANHOLE
- GAS VALVE
- GAS METER
- GAS VENT
- GVT GAS VALVE TEST
- GAS CURB STOP
- ELECTRIC BOX
- ELECTRIC MANHOLE
- ELECTRIC METER
- TELEPHONE BOX
- TELEPHONE MANHOLE
- CABLE BOX
- UTILITY POLE
- GUY GUY WIRE
- LIGHT POLE
- YARD LIGHT
- TRAFFIC SIGNAL
- PULL BOX
- ?" SAN SWR — SANITARY SEWER
- ?" WM — WATER MAIN
- ?" STO SWR — STORM SEWER
- G — UNDERGROUND GAS MAIN
- E — UNDERGROUND ELECTRIC
- T — UNDERGROUND TELEPHONE
- FO — UNDERGROUND FIBER OPTIC
- C — UNDERGROUND TV CABLE
- EDGE OF PAVEMENT
- EDGE OF GRAVEL SHOULDER
- EDGE OF CONCRETE
- DITCH
- TOE OF SLOPE
- TOP OF BANK
- FENCE
- GUARD RAIL
- ? — CULVERT (SIZE & TYPE NOTED)
- RAILROAD TRACKS
- EDGE OF TREES & BRUSH
- FP FLAG POLE
- MB MAIL BOX
- P POST
- DP DELINEATOR POST
- MP MARKER POST
- SIGN
- PILE PILING
- A/C AIR CONDITIONER
- RAILROAD SIGNAL FLASHER
- RRSB RAILROAD SIGNAL BOX
- RRX RAILROAD SPIKE
- STUMP
- DECIDUOUS TREE
- DECIDUOUS MULTIPLE TRUNK TREE
- CONIFEROUS MULTIPLE TRUNK TREE
- CONIFEROUS TREE
- CP CONTROL POINT
- IP IRON PIPE
- IR IRON ROD
- SECTION CORNER
- MONUMENT
- TEST BORING
- PK PK NAIL
- DECORATIVE ROCK
- REVISION LABEL
- WETLANDS
- WE 000.00 WATER ELEVATION
- PROPOSED SILT FENCE
- PROPOSED SANITARY SEWER (PLAN VIEW)
- PROPOSED STORM SEWER (PLAN VIEW)
- PROPOSED WATER MAIN
- PROPOSED SLOPE INTERCEPT
- PROPOSED DETECTABLE WARNING FIELD
- PROPOSED SANITARY MANHOLE
- PROPOSED SANITARY RISER
- PROPOSED WATER VALVE
- PROPOSED HYDRANT
- PROPOSED YARD HYDRANT
- PROPOSED WATER VALVE MANHOLE
- PROPOSED WATER MAIN REDUCER
- PROPOSED WATER MAIN OFFSET
- PROPOSED WATER MAIN PLUG
- PROPOSED WATER MAIN PLUG W/AIR RELEASE
- PROPOSED WATER MAIN CROSS
- PROPOSED WATER MAIN TEE
- PROPOSED WATER MAIN BEND (ANGLE NOTED)
- PROPOSED LOCATOR BOX
- PROPOSED STORM INLET/CATCH BASIN
- PROPOSED STORM MANHOLE
- PROPOSED DITCH CHECK
- PROPOSED INLET PROTECTION

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PROJECT NO. 8190–10022.200

Feb 21, 2018 9:36am
J:\Challenger\Local\C3D_2018\8190_American Family\10022 2335 City View Parking Lot Expansion\dwg\
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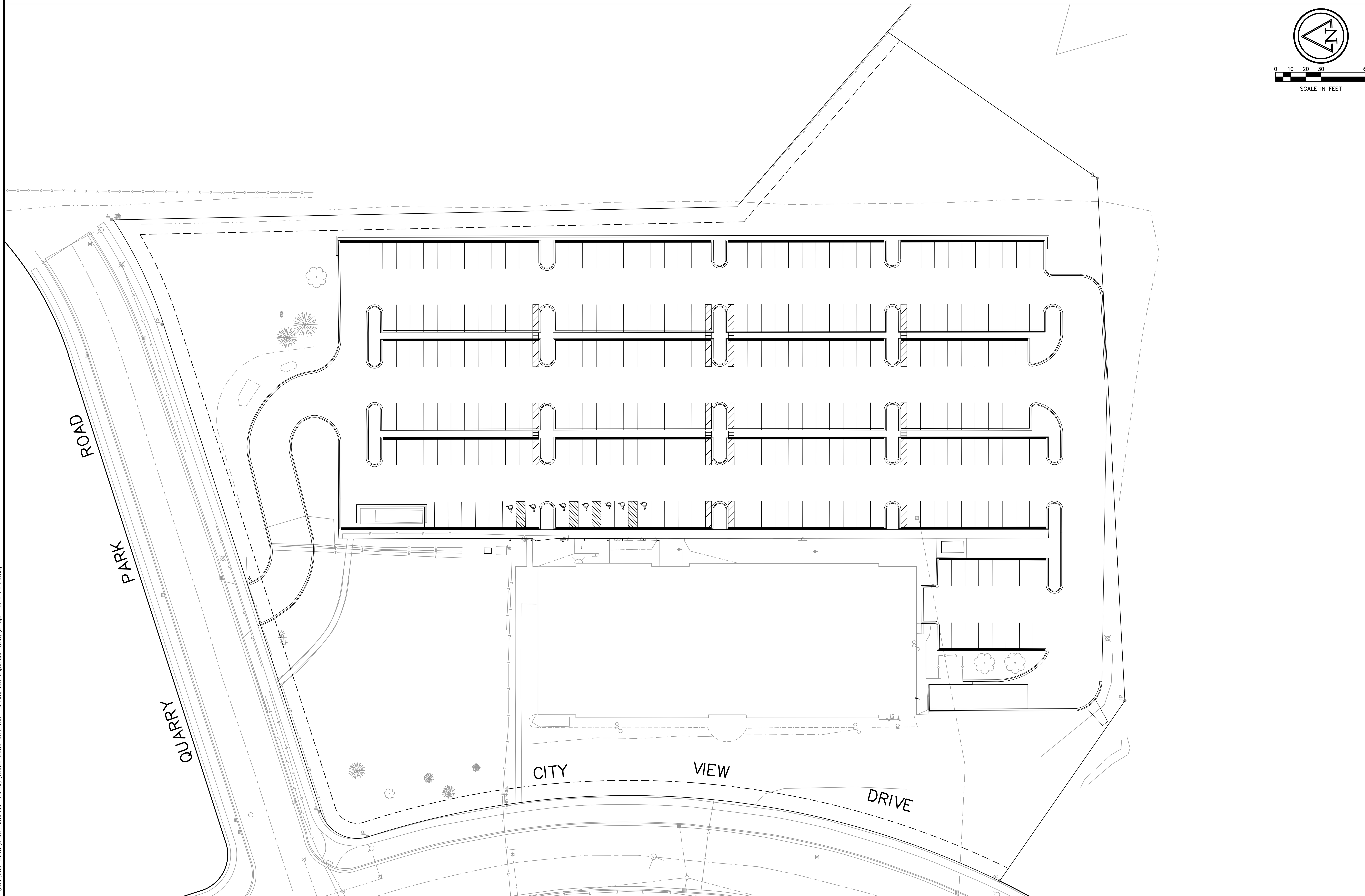

AMERICAN FAMILY 2335 CITY VIEW PARKING LOT EXPANSION

EXISTING CONDITIONS

CITY OF MADISON
DANE COUNTY, WISCONSIN

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REVISIONS 7 6 5 4 3 2 1

TOWN: T8N RANGE: R10E SECTION(s): 27 NE

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DATE: FEBRUARY 2018

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SHEET NO.
02

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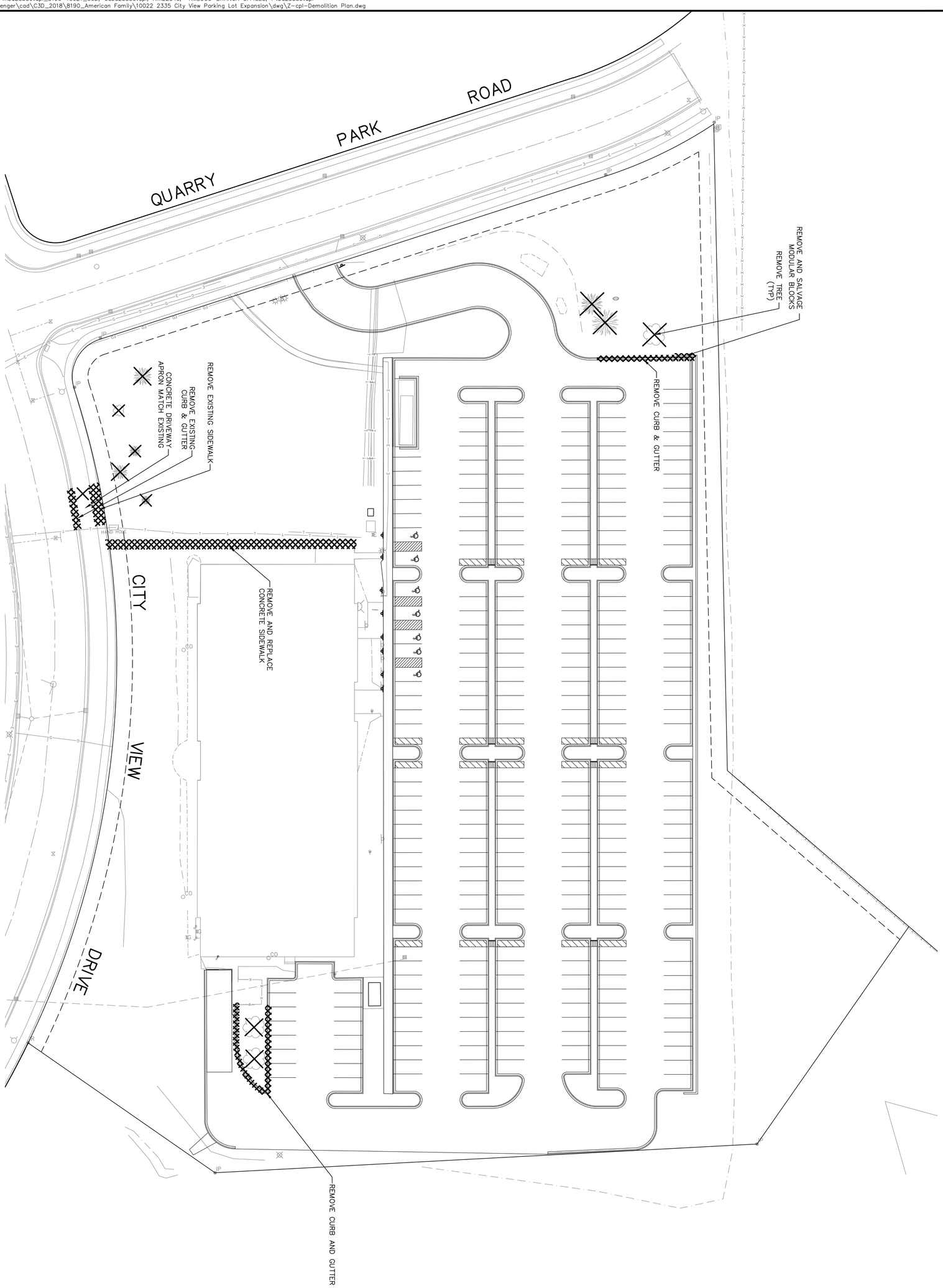
RM2234C



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FILE NO. 8190-10022.200

DATE: FEBRUARY 2018

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AMERICAN FAMILY 2335 CITY VIEW PARKING LOT EXPANSION

DEMOLITION PLAN

CITY OF MADISON
DANE COUNTY, WISCONSIN

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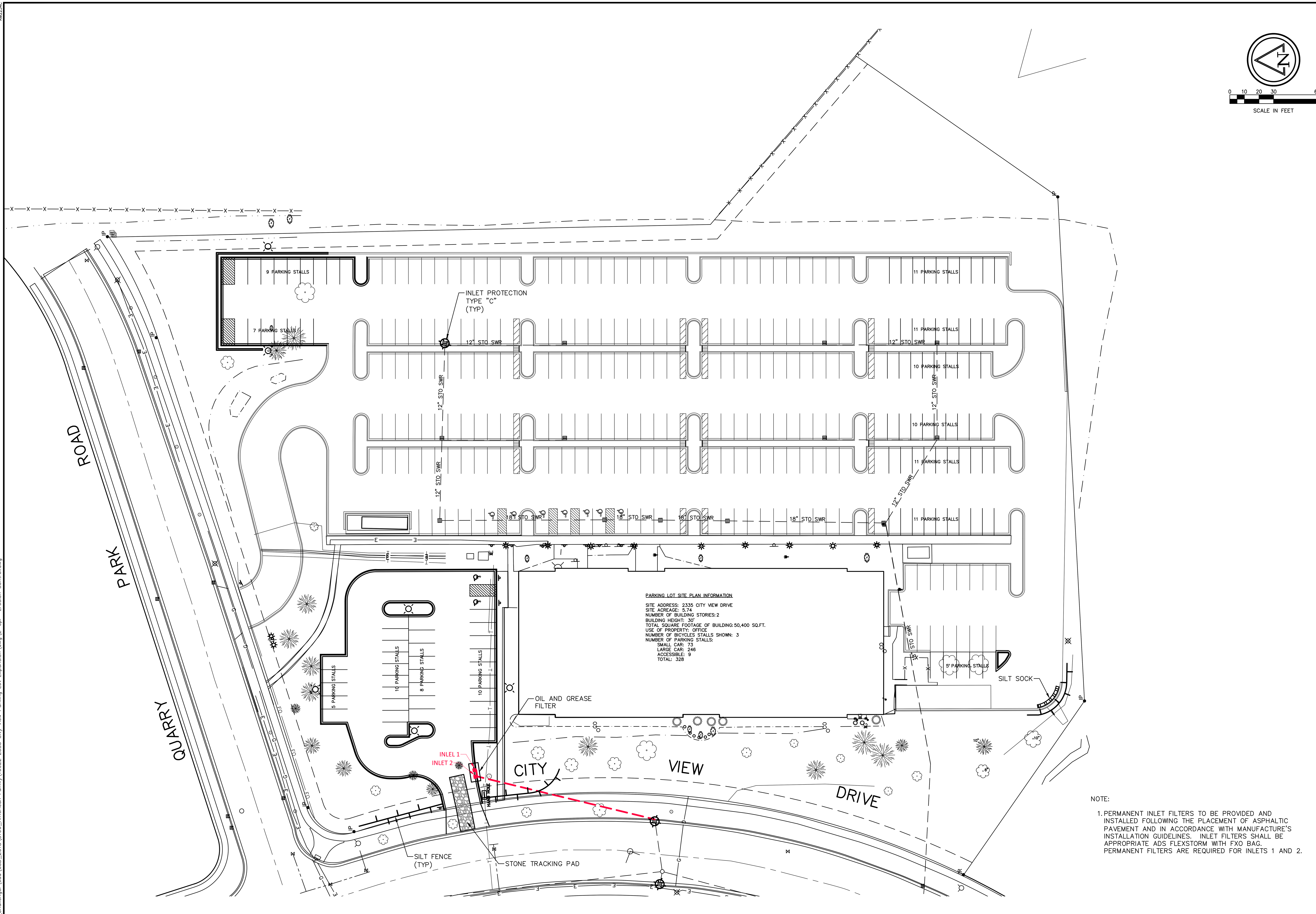
TOWN: 8N RANGE: 10E SECTION(s): 27 NE



NOTE:

1. PERMANENT INLET FILTERS TO BE PROVIDED AND INSTALLED FOLLOWING THE PLACEMENT OF ASPHALTIC PAVEMENT AND IN ACCORDANCE WITH MANUFACTURE'S INSTALLATION GUIDELINES. INLET FILTERS SHALL BE APPROPRIATE ADS FLEXSTORM WITH FXO BAG. PERMANENT FILTERS ARE REQUIRED FOR INLETS 1 AND 2.

TOWN: T8N RANGE: R10E SECTION(s): 27 NE

REVISIONS 1 2 3 4 5 6 7

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AMERICAN FAMILY 2335 CITY VIEW PARKING LOT EXPANSION

EROSION CONTROL

CITY OF MADISON
DANE COUNTY, WISCONSIN

DESIGNED BY: BJS
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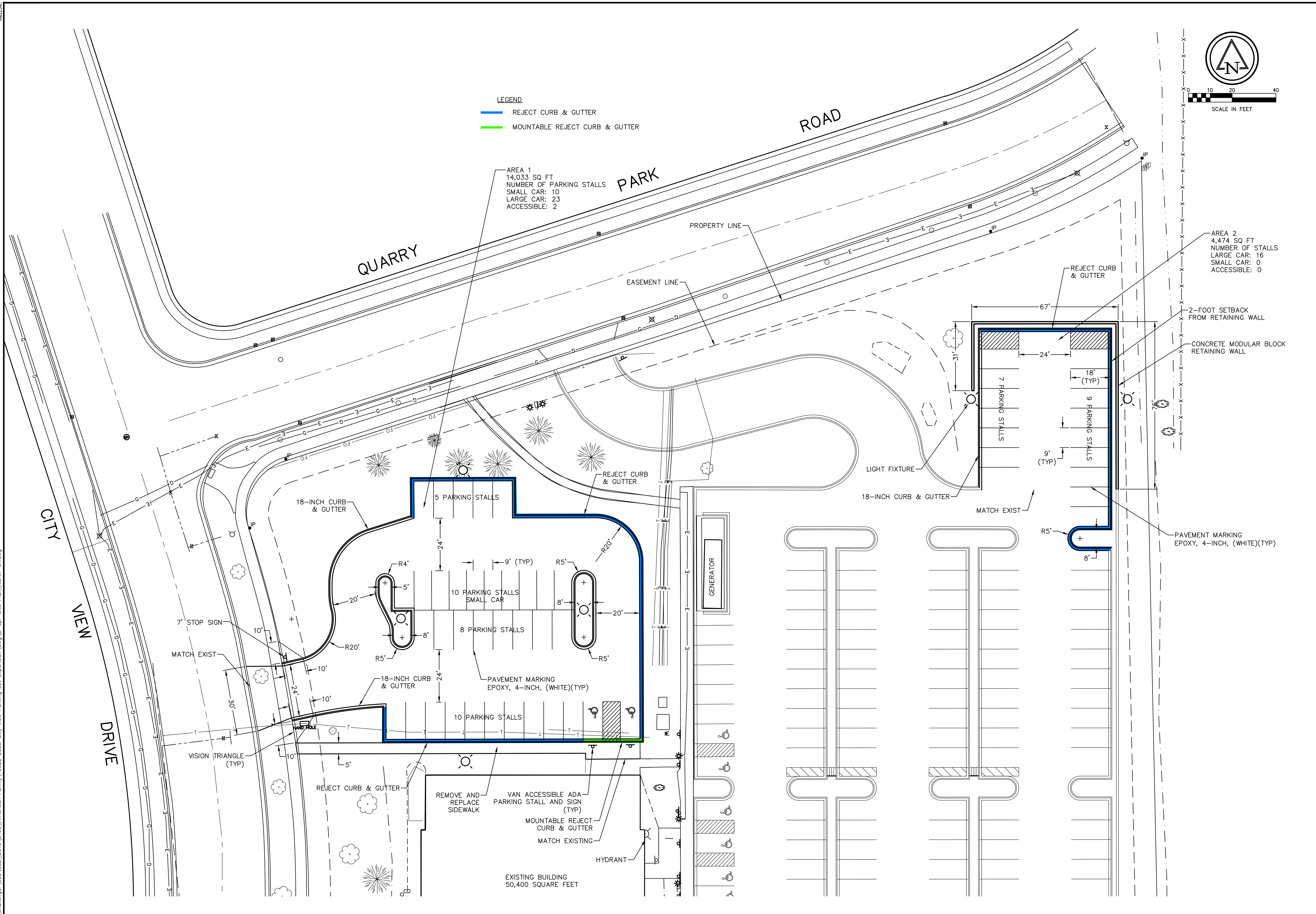
\\Challenger\cad\C3D_2018\8190_American Family\10022 2335 City View Parking Lot Expansion\dwg\Z-cpl- Erosion Control.dwg


LEGEND
REJECT CURB & GUTTER
MOUNTABLE REJECT CURB & GUTTER
QUARRY PARK ROAD
CITY VIEW DRIVE
SCALE IN FEET
0 10 20 40
AREA 1
14,033 SQ FT
NUMBER OF PARKING STALLS
SMALL CAR: 10
LARGE CAR: 23
ACCESSIBLE: 2
AREA 2
4,474 SQ FT
NUMBER OF STALLS
LARGE CAR: 16
SMALL CAR: 0
ACCESSIBLE: 0
PROPERTY LINE
EASEMENT LINE
REJECT CURB & GUTTER
2-FOOT SETBACK FROM RETAINING WALL
CONCRETE MODULAR BLOCK RETAINING WALL
67'
24'
31'
18' (TYP)
9' (TYP)
7 PARKING STALLS
9 PARKING STALLS
LIGHT FIXTURE
18-INCH CURB & GUTTER
MATCH EXIST
R5'
8'
PAVEMENT MARKING EPOXY, 4-INCH, (WHITE)(TYP)
5 PARKING STALLS
18-INCH CURB & GUTTER
REJECT CURB & GUTTER
R20'
24'
9' (TYP)
R4'
R5'
5'
10 PARKING STALLS SMALL CAR
8 PARKING STALLS
20'
R20'
7' STOP SIGN
MATCH EXIST
10'
HAND HOLE
30'
VISION TRIANGLE (TYP)
18-INCH CURB & GUTTER
PAVEMENT MARKING EPOXY, 4-INCH, (WHITE)(TYP)
10 PARKING STALLS
GENERATOR
REJECT CURB & GUTTER
REMOVE AND REPLACE SIDEWALK
VAN ACCESSIBLE ADA PARKING STALL AND SIGN (TYP)
MOUNTABLE REJECT CURB & GUTTER
MATCH EXISTING
HYDRANT
EXISTING BUILDING 50,400 SQUARE FEET

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TOWN: 8N RANGE: 10E SECTION(s): 27 NE

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AMERICAN FAMILY 2335 CITY VIEW PARKING LOT EXPANSION

SITE PLAN NORTH

CITY OF MADISON
DANE COUNTY, WISCONSIN

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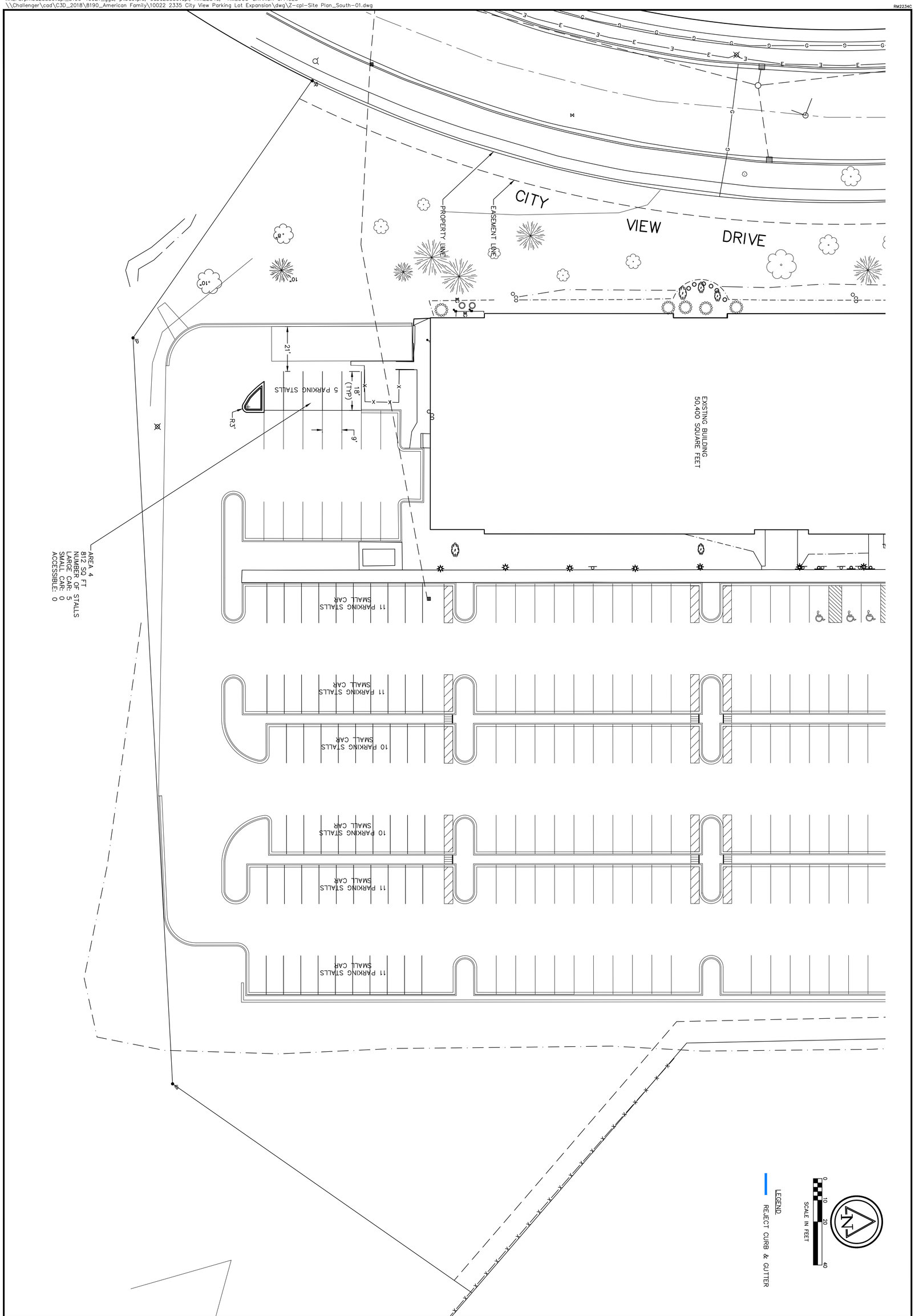

AMERICAN FAMILY 2335 CITY VIEW PARKING LOT EXPANSION

SITE PLAN SOUTH

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DANE COUNTY, WISCONSIN

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TOWN: 8N RANGE: 10E SECTION(s): 27 NE

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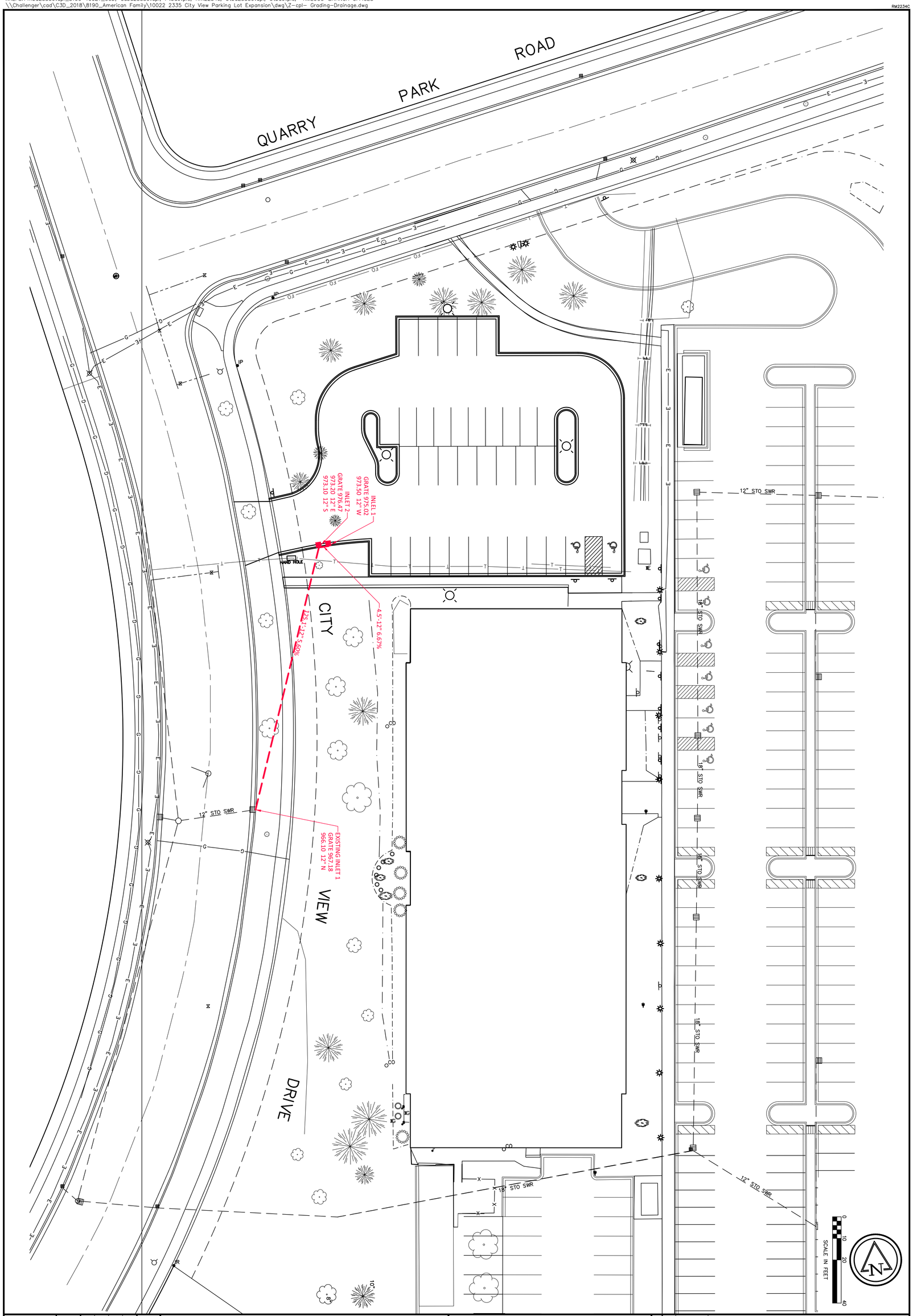
RM2234C



AMERICAN FAMILY 2335 CITY VIEW PARKING LOT EXPANSION

DRAINAGE PLAN

CITY OF MADISON
DANE COUNTY, WISCONSIN

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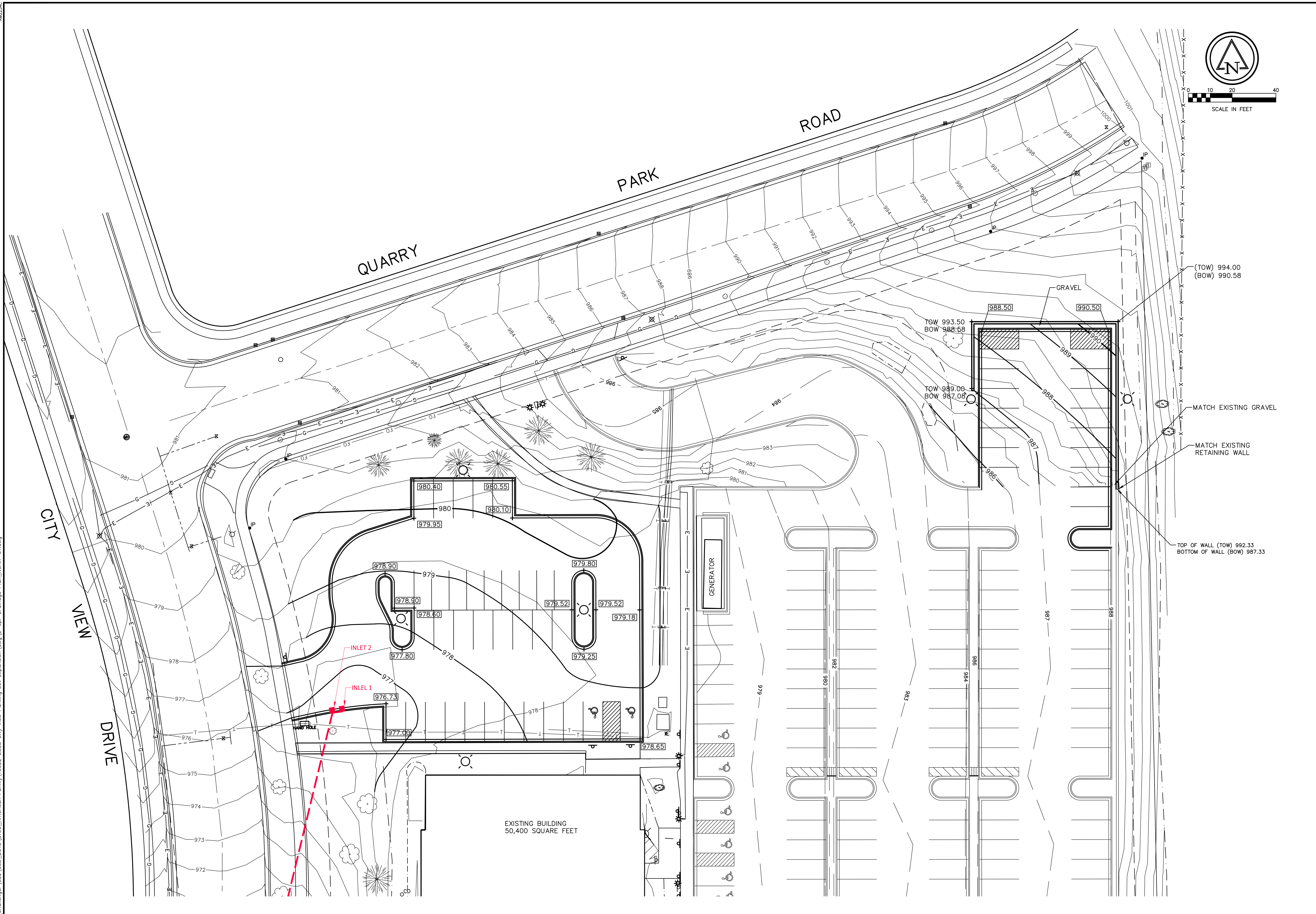
TOWN: 8N RANGE: 10E SECTION(s): 27 NE



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AMERICAN FAMILY 2335 CITY VIEW PARKING LOT EXPANSION

DRAINAGE PLAN NORTH

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AMERICAN FAMILY 2335 CITY VIEW PARKING LOT EXPANSION

DRAINAGE PLAN SOUTH

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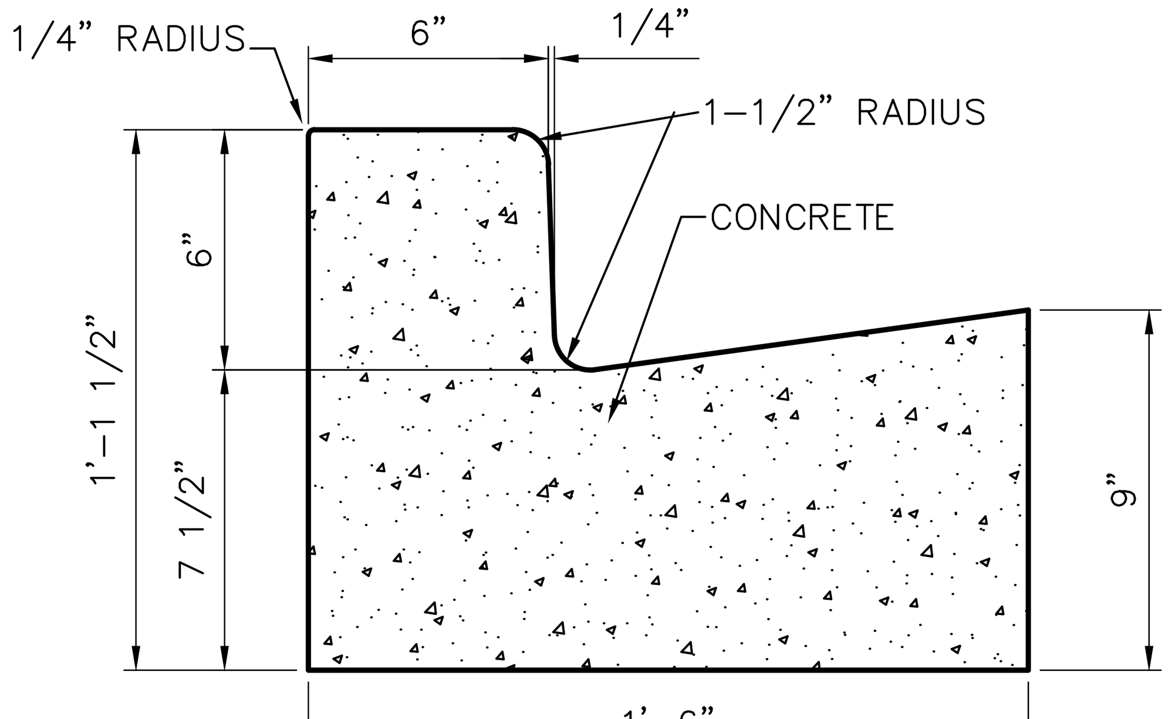
TOWN: 8N RANGE: 10E SECTION(s): 27 NE

GENERAL CONSTRUCTION SEQUENCE:

1. INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO ANY LAND DISTURBING ACTIVITIES, AS SHOWN ON DRAWINGS OR DIRECTED BY ENGINEER. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AT ALL EXISTING AND PROPOSED IMPACTED STORM FACILITIES, INCLUDING ANY DOWNSTREAM INLET PROTECTION THAT MAY BE IMPACTED BY CONSTRUCTION PROCEDURES. ALL INLET PROTECTION SHALL BE AS SHOWN.
2. STAGE WORK CONSTRUCTION BY WORK LOCATION.
3. BEGIN CONSTRUCTION ACTIVITIES AS SHOWN ON DRAWINGS AND SPECIFICATIONS.
4. INSTALL OR ADJUST EROSION CONTROL MEASURES IN NEW STORM FACILITIES. INSTALL ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY.
5. STABILIZE NEWLY GRADED AREAS WITHIN 7 DAYS OF BEING INACTIVE.
6. COMPLETE CONSTRUCTION OF PARKING LOT AREAS. INSTALL CONCRETE CURB AND GUTTER AND PAVEMENTS.
7. COMPLETE FINAL RESTORATION INCLUDING BUT NOT LIMITED TO: SEEDING, TOPSOIL, PLANTINGS, AND EROSION MAT.
8. REMOVE EROSION AND SEDIMENT CONTROL DEVICES AFTER 80% OF VEGETATION HAS BEEN ESTABLISHED IN ALL RESTORED AREAS. RESTORE DISTURBED AREAS AROUND REMOVED DEVICES, CLEAN OUT STORM WATER STRUCTURES, AND CLEAN SITE.

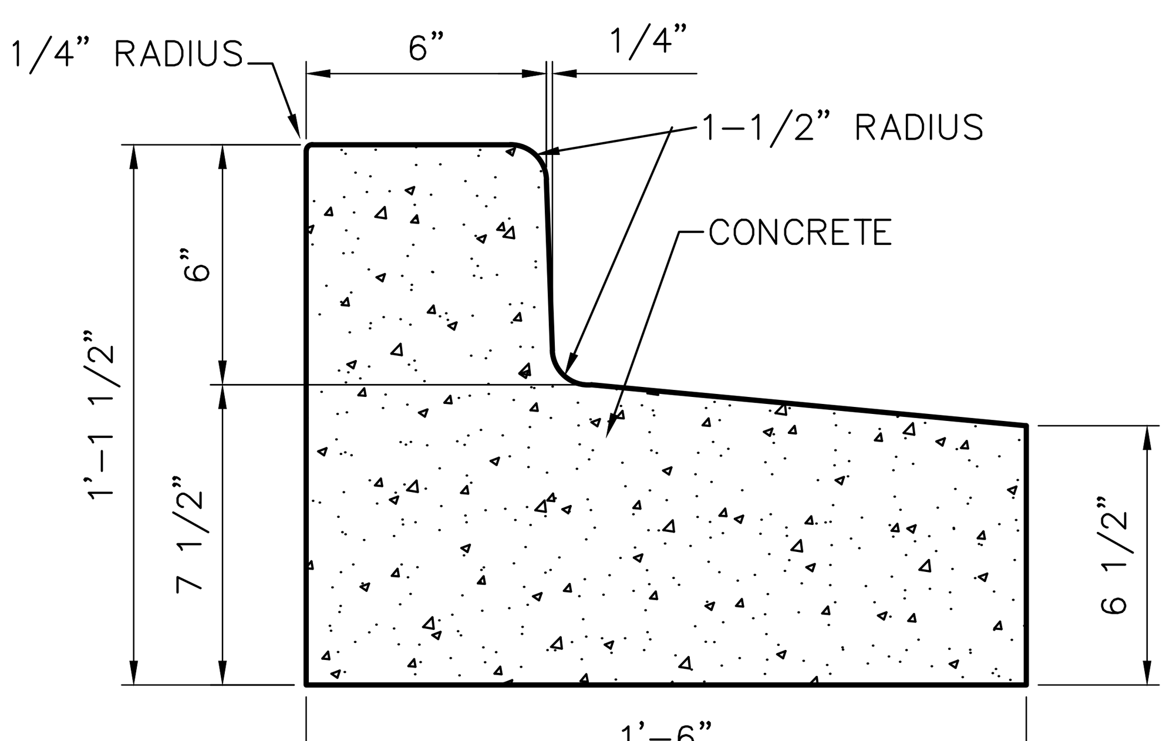
EROSION CONTROL NOTES:

1. INSPECTION OF ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DONE BY CONTRACTOR ONCE PER WEEK AND AFTER EVERY PRECIPITATION EVENT OF ½-INCH OR GREATER.
2. CONTRACTOR SHALL REPAIR DEFICIENT EROSION AND SEDIMENT CONTROL MEASURES WITHIN 24-HOURS AFTER INSPECTION. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES NOT SHOWN ON THIS PLAN MAY BE NECESSARY AS A RESULT OF CONSTRUCTION PRACTICES OR AS DIRECTED BY CITY AND/OR ENGINEER.
3. CONTRACTOR SHALL NOTIFY AND OBTAIN WRITTEN ACCEPTANCE FROM ENGINEER OF PROPOSED CHANGES TO THE EROSION CONTROL PLAN AND/OR SEQUENCE PRIOR TO IMPLEMENTING THE CHANGE.
4. ENGINEER IS UNDER NO OBLIGATION TO ALTER THE CONSTRUCTION SEQUENCE AND/OR EROSION CONTROL PLAN.
5. EXCESS MATERIAL THAT IS HAULED OFF SITE SHALL BE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR SHALL OBTAIN PROPER PERMIT APPROVALS FOR EACH FILL SITE. EROSION AND SEDIMENT CONTROL MEASURES, RESTORATION AND STABILIZATION AT FILL SITE IS CONTRACTOR'S RESPONSIBILITY. CONTRACTOR TO NOTIFY OWNER OF ALL FILL AND BORROW SITES.
6. CONTRACTOR SHALL SWEEP STREETS ADJACENT TO PROJECT AT THE END OF EACH DAY.
7. ALL INSTALLATION, MAINTENANCE AND REMOVAL OF EROSION AND SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE WISCONSIN DNR TECHNICAL STANDARDS AND THE SLOPE PROTECTION AND EROSION CONTROL SPECIFICATION SECTION 01 57 13.
8. IF DEWATERING IN NECESSARY, CONTRACTOR SHALL PROVIDE PROPER DEWATERING SEDIMENT CONTROL DEVICE. DISCHARGE OF SEDIMENT LADEN WATER TO THE STORM SEWER OR SURFACE WATER IS PROHIBITED.



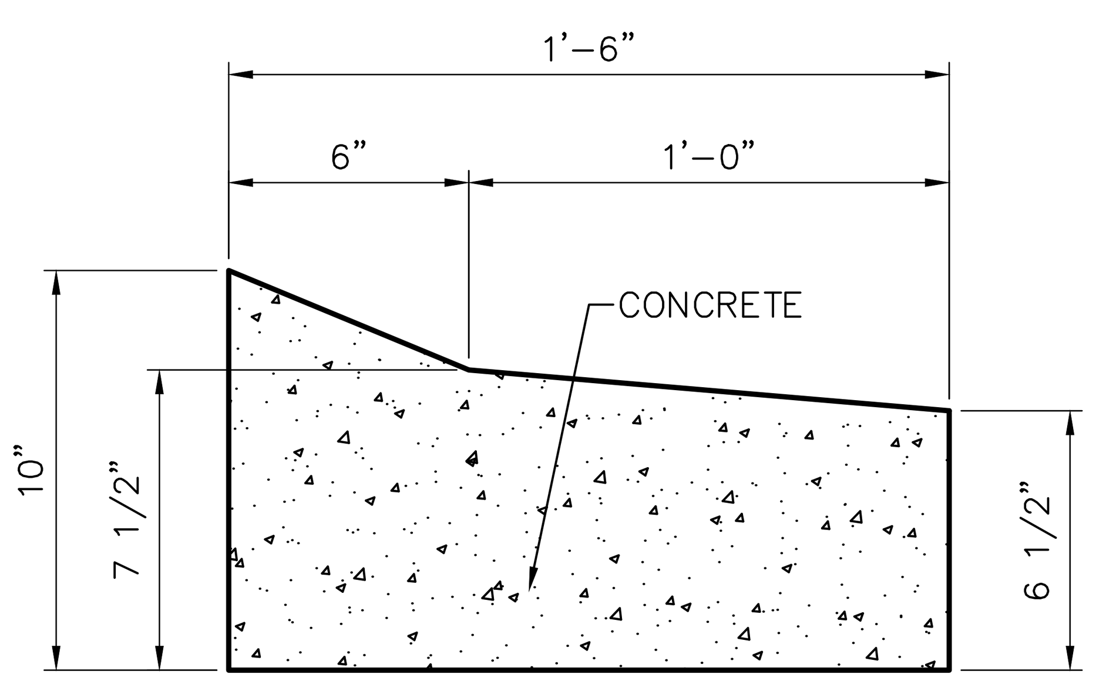
VERTICAL FACE CURB & GUTTER NO SCALE

PV-CURB-15 1



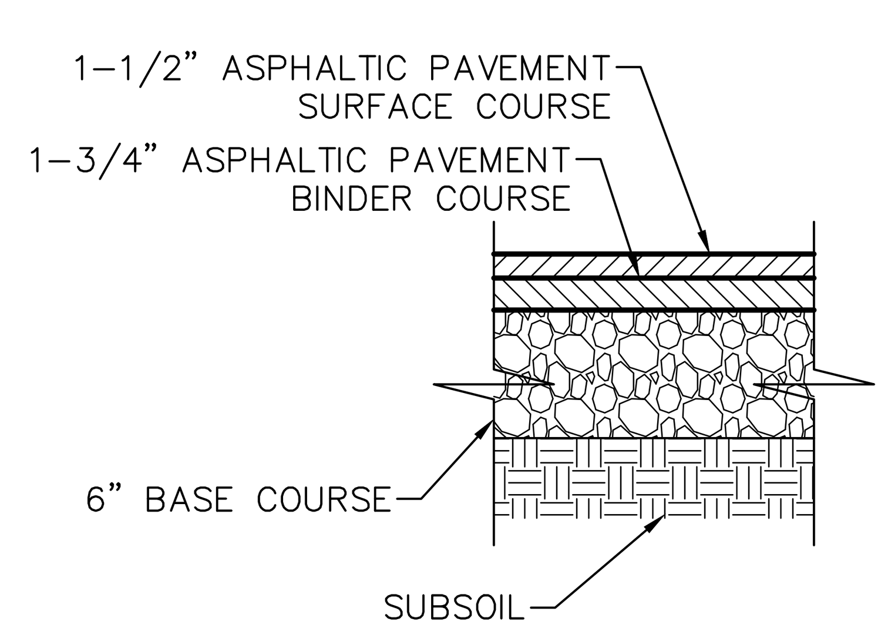
VERTICAL FACE REJECT CURB & GUTTER NO SCALE

PV-CURB-16 1



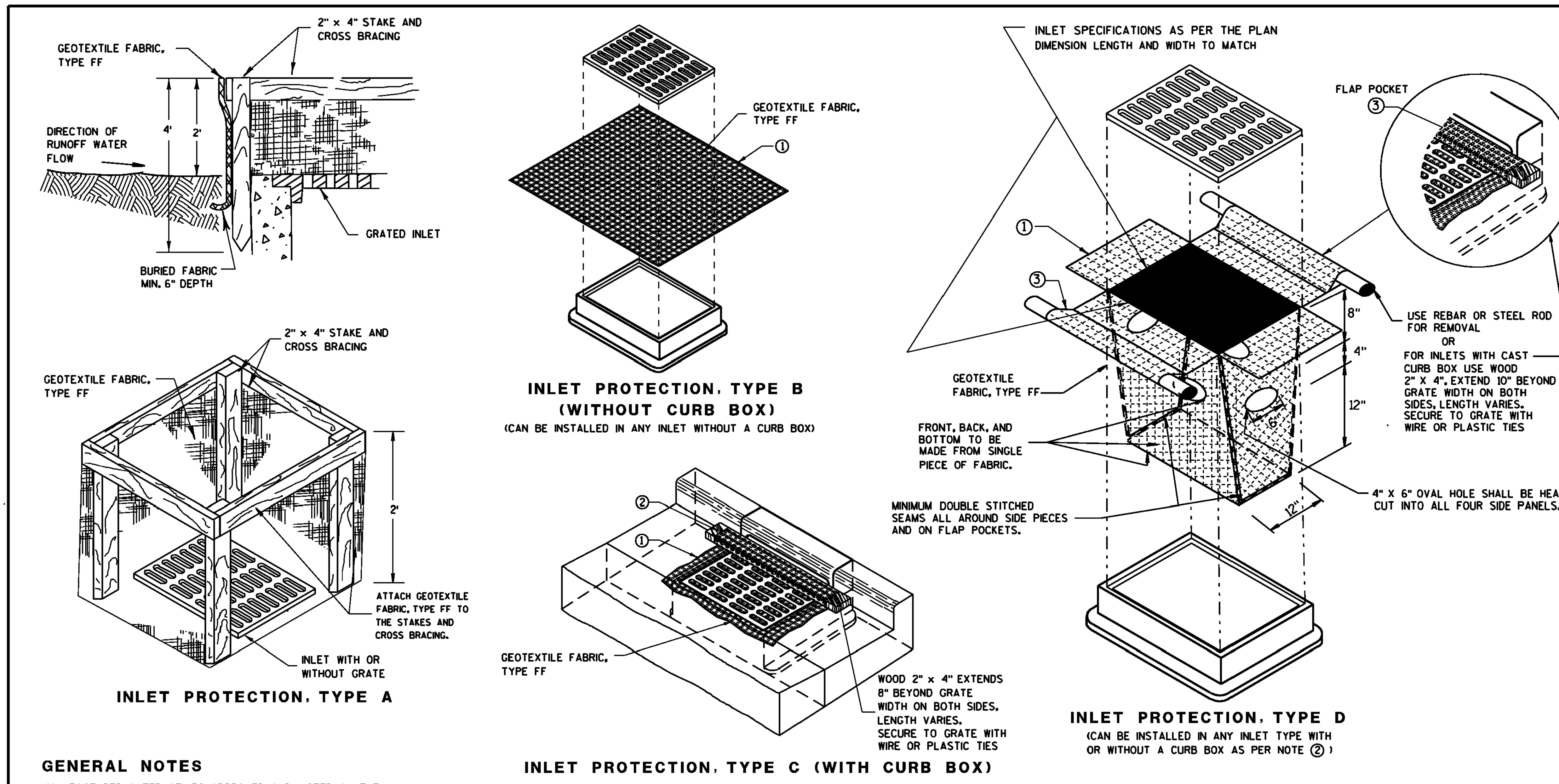
MOUNTABLE REJECT CURB & GUTTER NO SCALE

PV-CURB-10 1



PAVEMENT CROSS SECTION NO SCALE

PV-SECT-07 12



GENERAL NOTES

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

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

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

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

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

This drawing based on Wisconsin Department of Transportation Standard Detail Drawing 8 E 10-2.

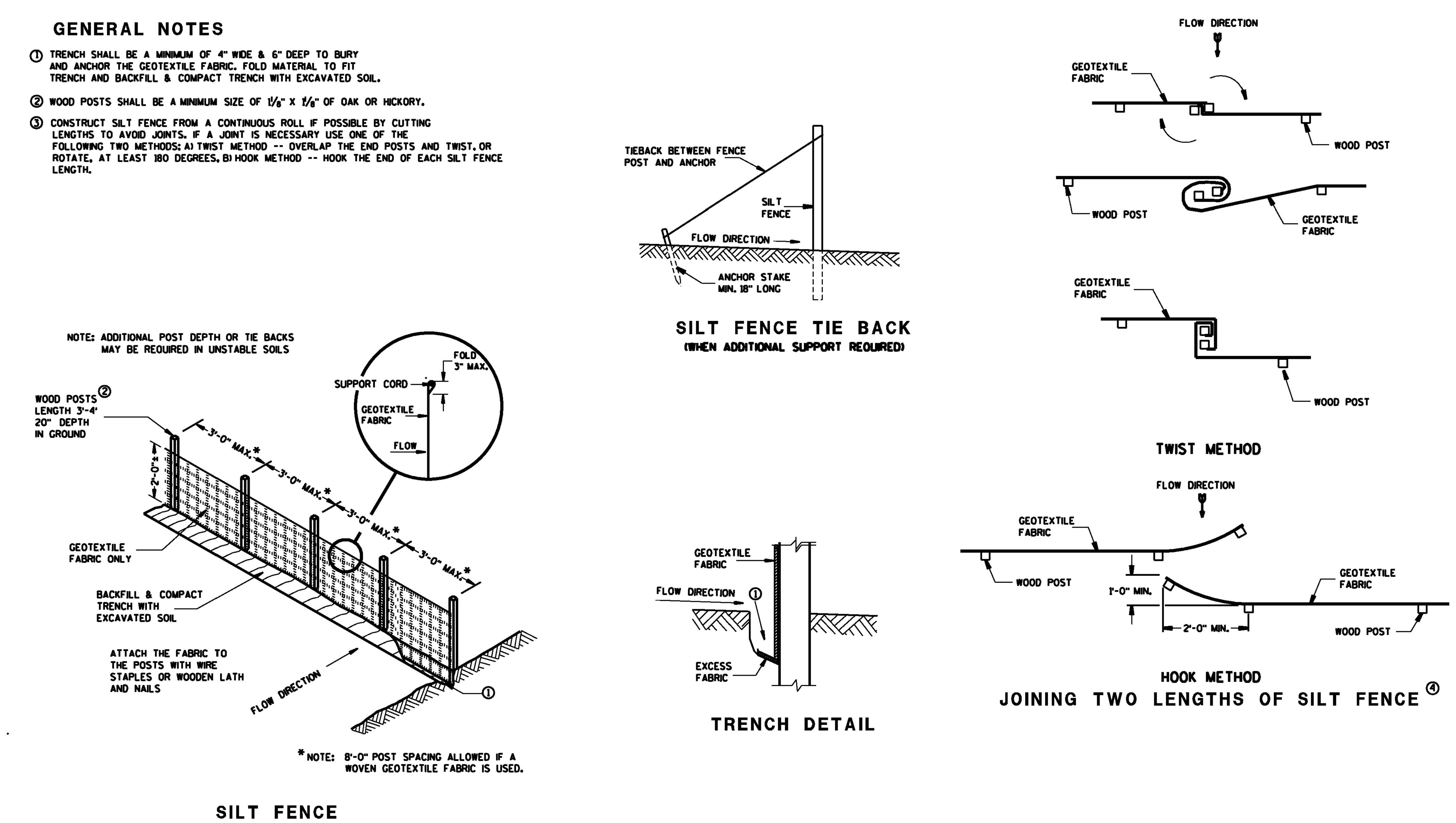
INLET PROTECTION TYPE A, B, C, AND D

GENERAL NOTES

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

② WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

③ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS: A) TWIST METHOD -- OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK METHOD -- HOOK THE END OF EACH SILT FENCE LENGTH.



This drawing based on Wisconsin Department of Transportation Standard Detail Drawing 8 E 9-6.

SILT FENCE

AMERICAN FAMILY 2335 CITY VIEW PARKING LOT EXPANSION

CONSTRUCTION DETAILS

CITY OF MADISON
DANE COUNTY, WISCONSIN

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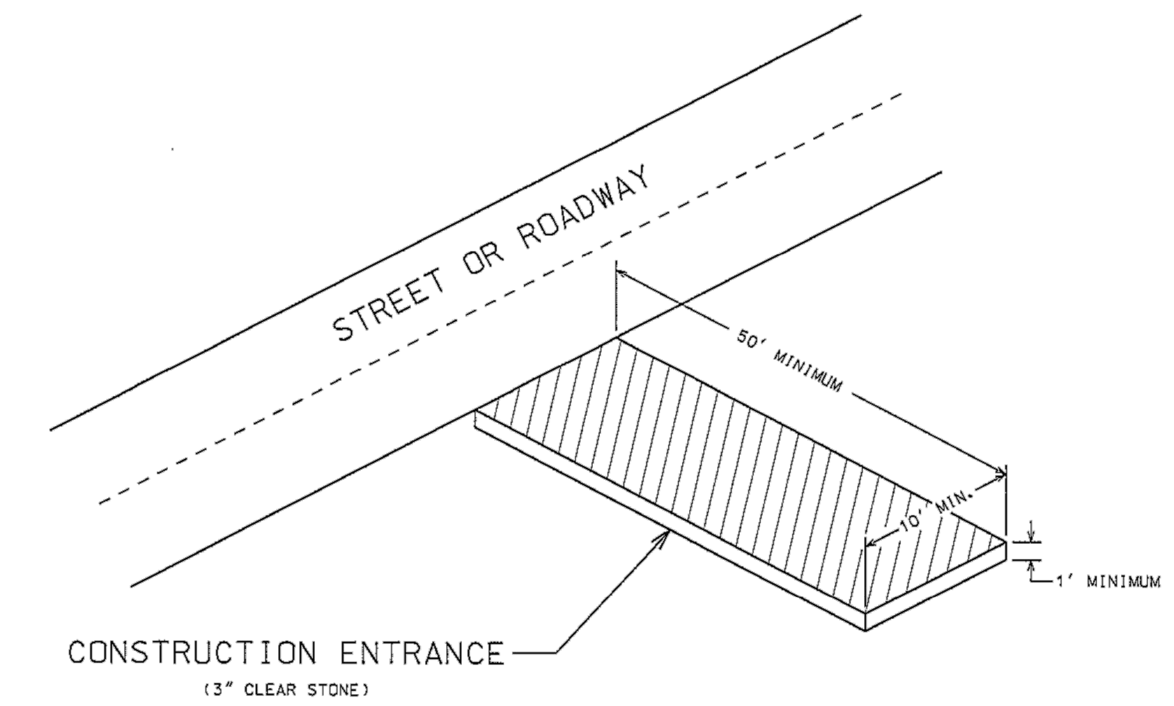
FILE NO. 8190-10022.200

SHEET NO. 11



GENERAL NOTES:

1. CONSTRUCTION ENTRANCE TO BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE SITE.
2. THE AGGREATE FOR THE CONSTRUCTION ENTRANCE SHALL BE 3 INCH CLEAR OR WASHED STONE.
3. AGGREGATE SHALL BE PLACED IN A LAYER AT LEAST 12 INCHES THICK.
4. THE CONSTRUCTION ENTRANCE SHALL BE UNDERLAIN WITH A WDOT TYPE HR OR FF GEOTEXTILE FABRIC TO PREVENT MIGRATION OF UNERLYING SOIL INTO THE STONE.
5. SURFACE WATERS MUST BE PREVENTED FROM PASSING THROUGH THE CONSTRUCTION ENTRANCE. FLOWS SHALL BE DIVERTED AWAY FROM THE CONSTRUCTION ENTRANCE OR CONVEYED UNDER AND AROUND THEM BY USE OF A CULVERT, DIVERSION BERM OR OTHER PRACTICES AS APPROVED BY THE CONSTRUCTION ENGINEER.
6. CLEANING BY SCRAPING OR ADDING NEW STONE SHALL BE REQUIRED IF ENTRANCE BECOMES MORE THAN 50% COVERED BY TRACKED MUD.

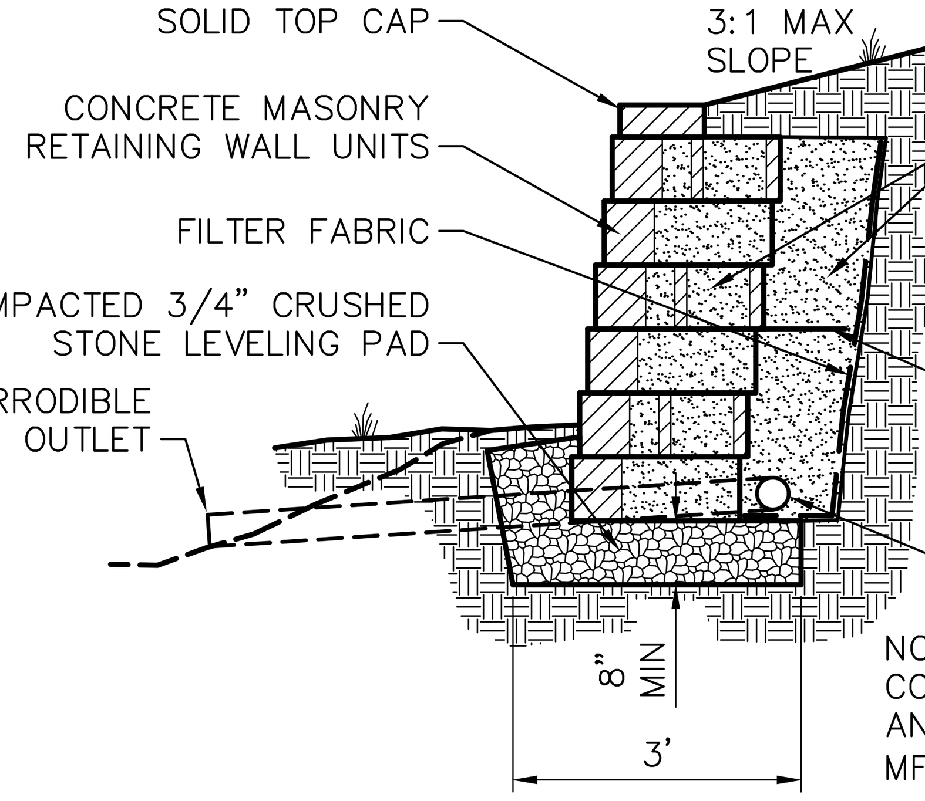
2012

CITY OF MADISON
ENGINEERING DIVISION

CONSTRUCTION ENTRANCE

STANDARD DETAIL DRAWING 1.07

1.07

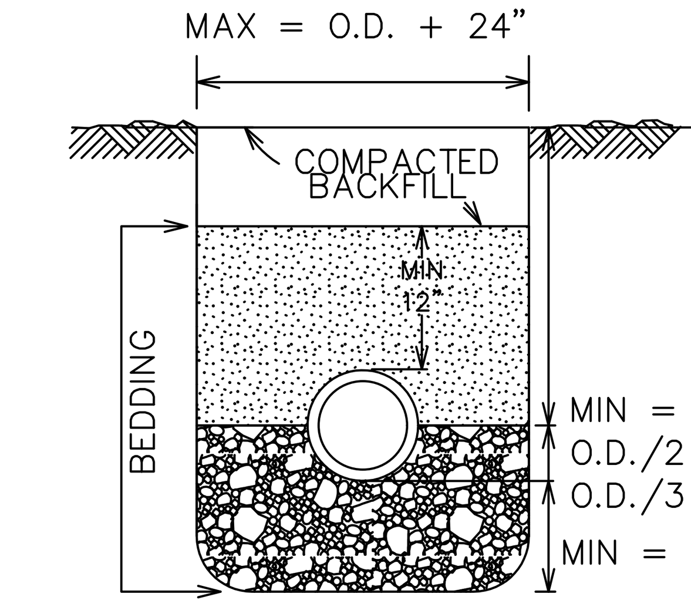


NOTE:
CONTRACTOR TO PROVIDE GEOGRID REINFORCEMENT AND STRUCTURE BACKFILL IN ACCORDANCE WITH MFR'S SPECIFICATIONS AN INSTRUCTIONS.

CONCRETE MODULAR RETAINING WALL

NO SCALE

SS-WALL-04 1



COVER MATERIAL AS SPECIFIED

BEDDING MATERIAL AS SPECIFIED

BEDDING FOR
VIRTRIFIED CLAY PIPE, DUCTILE IRON PIPE, CAST IRON PIPE, PLASTIC SANITARY SEWER PIPE, AND STORM SEWER PIPES

NOTES:

UNLESS OTHERWISE SPECIFIED, ALL SANITARY AND STORM SEWER PIPES, INCLUDING LATERALS AND LEADS,
SHALL BE INSTALLED WITH THE TYPE OF BEDDING SHOWN FOR THE TYPE AND SIZE OF PIPE INSTALLED.

THE COSTS OF BEDDING SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE PIPE.

ALL BEDDING SHALL BE MECHANICALLY COMPACTED.

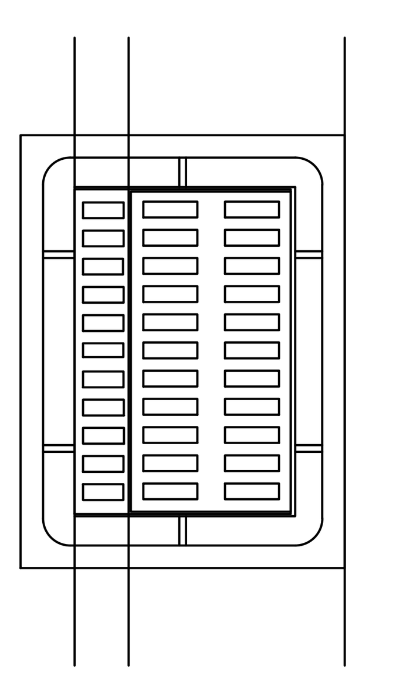
THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE O.D. + 24", AND SHALL APPLY FROM THE BOTTOM
OF THE TRENCH TO A POINT 12" ABOVE THE TOP OF THE PIPE. WHERE THIS WIDTH IS EXCEEDED, THE
CONTRACTOR SHALL FURNISH AND INSTALL A HIGHER TYPE OF BEDDING AT NO EXTRA COST.

O.D. EQUALS THE OUTSIDE DIAMETER OF THE PIPE. THE MINIMUM DISTANCE OF O.D./2 IS SPECIFIED
FOR PLASTIC SEWER PIPE.

PIPE BEDDING

NO SCALE

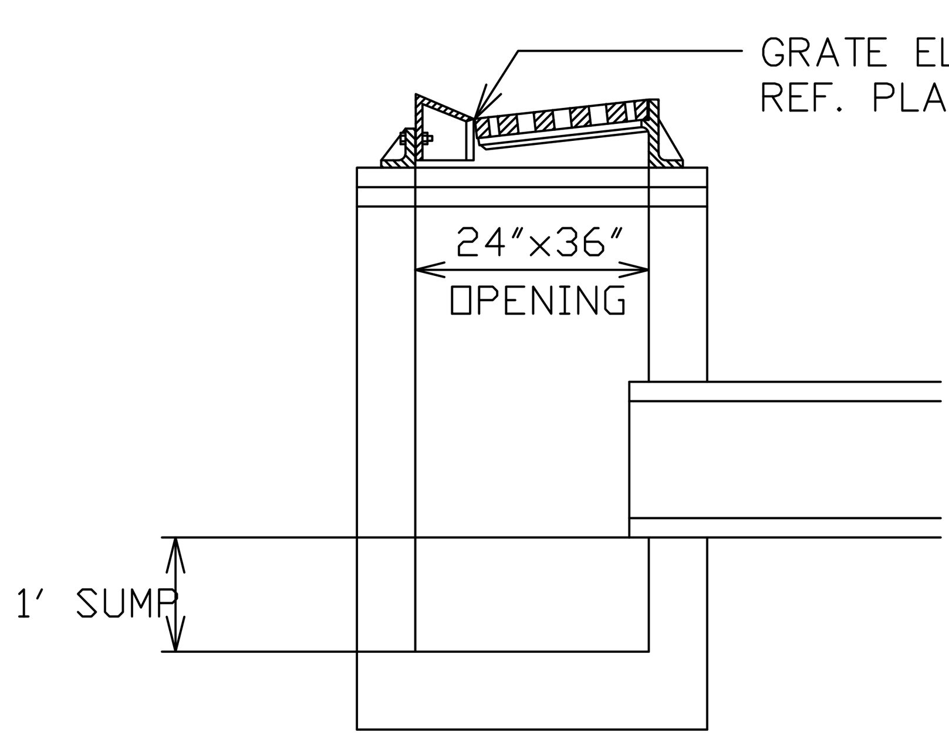
Cgdt-Pipe Bedding 64



DIAGONAL SLOTS SHALL BE ORIENTED TO THE DIRECTION OF FLOW

CASTING

REFER TO SPECIFICATIONS FOR CASTING



ADJUST FRAME TO GRADE WITH 2" TO 4" THICK PRECAST CONCRETE RINGS. RINGS SHALL BE REINFORCED WITH WIRE MESH OR #3 STEEL BARS.

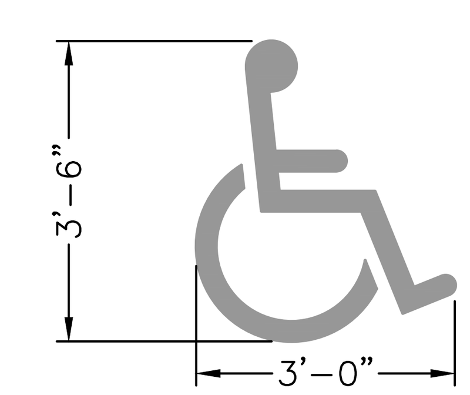
MANHOLE:
SEE MANHOLE SPEC. PRECAST CONCRETE AND REINFORCEMENT SHALL CONFORM TO ASTM C478.

SUMP:
PROVIDE SUMP IN INLET 9.

STANDARD CATCH BASIN DETAIL

NO SCALE

CGDT-CATCH BASIN-01 36

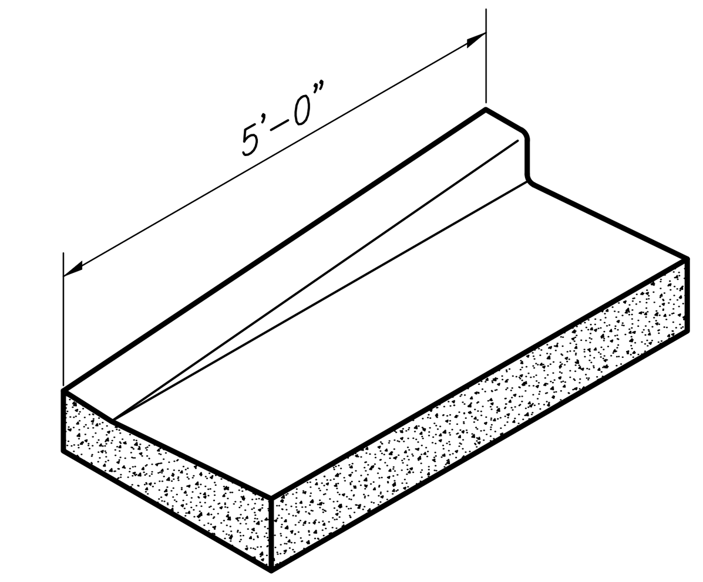


6" WIDE BLUE EPOXY LINES

PAVEMENT SYMBOLS

NO SCALE

PV-MARK-01 1



CURB & GUTTER TAPER

NO SCALE

PV-CURB-07 1

REVISIONS	
7	
6	
5	
4	
3	
2	
1	

TOWN: RANGE: SECTION(s):

Ruekert·Mielke
Waukesha • Kenosha • Madison
Chicago • Global Water Center • Fox Valley
www.ruekertmielke.com

AMERICAN FAMILY 2335 CITY VIEW PARKING LOT EXPANSION

CONSTRUCTION DETAILS

CITY OF MADISON
DANE COUNTY, WISCONSIN

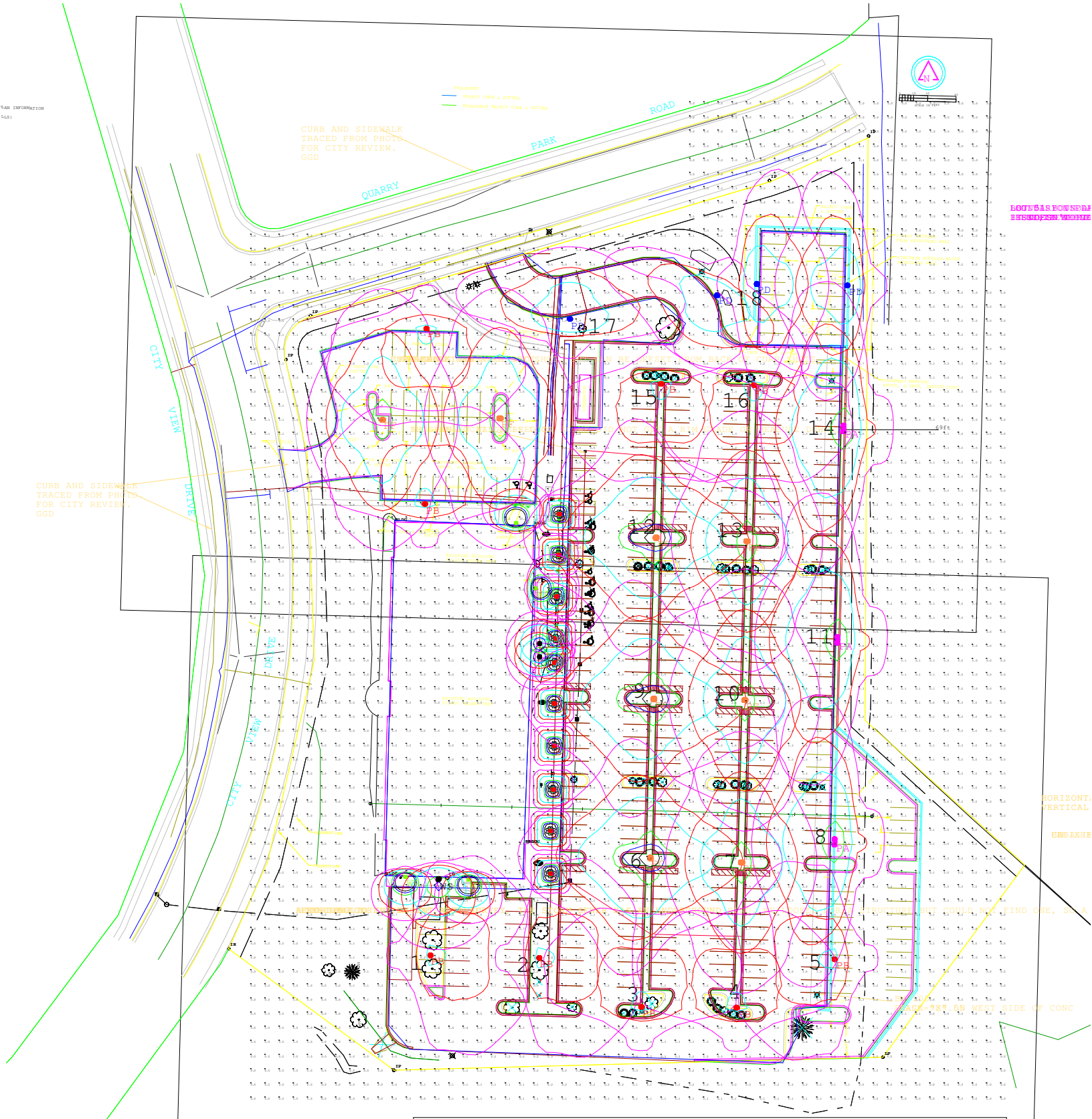
DESIGNED BY: BJS
DRAFTED BY: GGD
CHECKED BY:
DATE: FEBRUARY 2018
FILE NO.
8190-10022.200

SHEET NO.
12

www.ruekertmielke.com

Feb 21, 2018 9:39am PLOTTED BY:gdeprey SAVED BY:gdeprey

RM2234C



Luminaire Schedule		
Label	Symbol	Description
B		BLED24 (42_ SQUARE BOLLARD)
PA		2-ATBO 20BLEDE10 MVOLT R2 5K BZ P7SH facing forward
PB		1-ATBO 20BLEDE10 MVOLT R4 5KBZ P7SH
PC		3-ATBO 20BLEDE10 MVOLT R2 5K BZ P7SH @ 90 degrees
PD		1-ATBO 20BLEDE10 MVOLTR2 5K BZ P7SH
WA		WPLED26
PF		2-ATBO 20BLEDE10 MVOLT R2 5K BZ P7SH @ 180 degrees
Q		399578_OLEDL12-16GS-UNV
WS		WALPARIC-050UNV750-CO-BZ

US Lamp, Inc.
3600 Velp Avenue
Green Bay, WI 54313
920-434-3636

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcPts_1	Illuminance	Fc	0.78	10.2	0.0	N.A.	N.A.
CalcPts_2	Illuminance	Fc	0.12	0.8	0.0	N.A.	N.A.

Autobahn Series ATB0
Roadway Lighting

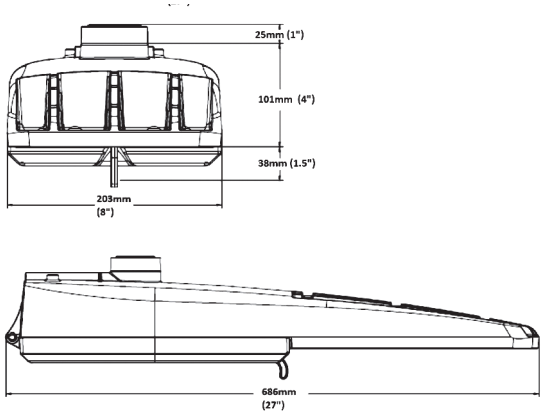
Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

PRODUCT OVERVIEW

Applications:

- Roadways
- Off ramps
- Residential streets
- Parking lots

DIMENSIONS



Effective Projected Area (EPA): The EPA for the ATB0 is 0.76 sq. ft.
Approx. Wt. = 14 lbs.

Features:

OPTICAL

Same Light: Performance is comparable to 70-200W HPS roadway luminaires.

White Light: Correlated color temperature – standard 4000K, 70 CRI minimum or optional 5000K, 70 CRI minimum.

Unique IP66 rated LED light engines provided 0% uplight and restrict backlight to within sidewalk depth, providing optimal application coverage and optimal pole spacing. Available in Type II, III, IV, and V roadway distributions.

ELECTRICAL

Expected Life: LED light engines are rated >100,000 hours at 25°C, L70. Electronic driver has an expected life of 100,000 hours at a 25°C ambient.

Lower Energy: Saves an expected of 40-60% over comparable HID luminaires.

Robust Surge Protection: Three different surge protection options provide a minimum of IEEE/ANSI C62.41 Category C (10kV/5kA) protection.

MECHANICAL

Includes standard AEL lineman-friendly features such as tool-less entry, 3 station terminal block and quick disconnects. Bubble level located inside the electrical compartment for easily leveling at installation.

Rugged die-cast aluminum housing and door are polyester powder-coated for durability and corrosion resistance. Rigorous five-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 1000 hours exposure to salt fog chamber (operated per ASTM B117). Optional Enhanced Corrosion Resistant finish (CR) increases the salt spray exposure over 5000 hours.

Mast arm mount is adjustable for arms from 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) diameter. Provides a 3G vibration rating per ANSI C136.31

Wildlife shield is cast into the housing (not a separate piece).

CONTROLS

NEMA 3 pin photocontrol receptacle is standard, with the Acuity designed ANSI standard 5 pin and 7 pin receptacles optionally available.

Premium solid state locking style photocontrol - PCSS (10 year rated life) Extreme long life solid state locking style photocontrol - PCLL (20 year rated life).

Multi-level dimming available to provide scheduled dimming as specified by the customer.

Optional onboard Adjustable Output module allows the light output and input wattage to be modified to meet site specific requirements, and also can allow a single fixture to be flexibly applied in many different applications.

STANDARDS

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Rated for -40°C to 40°C ambient

CSA Certified to U.S. and Canadian standards

Complies with ANSI: C136.2, C136.10, C136.14, C136.31, C136.15, C136.37

Note: Specifications subject to change without notice. Actual performance may differ as a result of end-user environment and application.

AEL American Electric Lighting®

Autobahn Series ATBO
Roadway Lighting

ORDERING INFORMATION

Example: ATBO 30LEDE10 MVOLT R2

Series

ATBO Autobahn LED Roadway

Performance Packages

20BLEDE53[1]	20B Chips, 525mA Driver
20BLEDE70	20B Chips, 700mA Driver
20BLEDE10	20B Chips, 1050mA Driver
20BLEDE13	20B Chips, 1300mA Driver
30BLEDE70	30B Chips, 700mA Driver
30BLEDE85	30B Chips, 850mA Driver
30BLEDE10	30B Chips, 1050mA Driver
30BLEDE13	30B Chips, 1300mA Driver

Voltage

MVOLT	Multi-volt, 120-277V
347	347V
480	480V

Optics

R2	Roadway Type II
R3	Roadway Type III
R4	Roadway Type IV
R5	Roadway Type V

Options

Color Temperature (CCT)

(Blank)	4000K CCT, 70 CRI Min. (Standard)
5K	5000K CCT, 70 CRI Min.

Paint

(Blank)	Gray (Standard)
BK	Black
BZ	Bronze
DDB	Dark Bronze
GI	Graphite
WH	White

Surge Protection

Blank	Acuity SPD with inductive filter circuit (Standard)
MP[2]	MOV Pack
IL[2]	SPD with Indicator Light

Terminal Block

(Blank)	Terminal Block (Standard)
T2	Wired to L1 & L2 Positions

Misc.

BL	External Bubble Level
CR	Enhanced Corrosion Resistant Finish
HS	House-Side Shield
NL	Nema Label
XL	Not CSA Certified

Controls

(Blank)	3 Pin NEMA Photocontrol Receptacle (Standard)
P5[3]	5 Pin Photocontrol Receptacle (Dimmable Driver Included)
P7[3]	7 Pin Photocontrol Receptacle (Dimmable Driver Included)
NR	No Photocontrol Receptacle
AO[4]	Field Adjustable Output
DM	0V-10V Dimmable Driver (Controls by others)
ML[5,6]	Multi-Level Dimming
PCSS[2]	Solid State Lighting Photocontrol (120-277V)
PCLL	Solid State Long Life Photocontrol
SH	Shorting Cap

Packaging

(Blank)	Single Unit (Standard)
JP	Job Pack (42/Pallet)

Notes

1 20BLEDE53 not compatible with the following options: P5, P7, AO, DM, ML.

2 Not available in 347 or 480V.

3 Not available with AO, DM, ML options.

4 Not available with DM or ML options.

5 Not available with AO, DM, P5 or P7 options.

6 Dimming Schedule and light level information required from the customer in order to configure product. Contact Infrastructure Technical Support to proceed.

Note: Specifications subject to change without notice. Actual performance may differ as a result of end-user environment and application.

American Electric Lighting®
AEL Headquarters, 3825 Columbus Road, Granville, OH 43023
www.americanelectriclighting.com

Warranty Five-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx
Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Please contact your sales representative for the latest product information.

PERFORMANCE PACKAGE

Performance Package	Drive Current (mA)	Input Watts	Optic	4000K CCT		LLD @ 25°C	
				Delivered Lumens	Efficacy (LPW)	50k Hours	100k Hours
20B	525	37	R2	3806	103	0.98	0.96
	700	49		4865	99	0.98	0.96
	1000	73		6414	88	0.93	0.89
	1300	92		7504	82	0.89	0.82
	525	37	R3	3775	102	0.98	0.96
	700	49		4807	98	0.98	0.96
	1000	73		6256	86	0.93	0.89
	1300	92		7372	80	0.89	0.82
	525	37	R4	3721	101	0.98	0.96
	700	49		4747	97	0.98	0.96
	1000	73		6256	86	0.93	0.89
	1300	92		7338	80	0.89	0.82
	525	37	R5	3775	102	0.98	0.96
	700	49		4807	98	0.98	0.96
	1000	73		6256	86	0.93	0.89
	1300	92		7372	80	0.89	0.82
30B	700	70	R2	7053	101	0.98	0.96
	850	88		8182	93	0.96	0.90
	1000	107		9472	89	0.92	0.86
	1300	135		10790	80	0.88	0.79
	700	70	R3	7085	101	0.98	0.96
	850	88		8155	93	0.96	0.90
	1000	107		9497	89	0.92	0.86
	1300	135		10930	81	0.88	0.79
	700	70	R4	7021	100	0.98	0.96
	850	88		8000	91	0.96	0.90
	1000	107		9231	86	0.92	0.86
	1300	135		10400	77	0.88	0.79
	700	70	R5	7444	106	0.98	0.96
	850	88		8400	95	0.96	0.90
	1000	107		9823	92	0.92	0.86
	1300	135		11110	82	0.88	0.79

Note: Information shown above is based on nominal system data. Individual fixture performance may vary. Specifications subject to change without notice.

ATB0 LLD Multiplier	15°C	20°C	25°C	30°C	35°C	40°C
	1.02	1.01	1	0.98	0.97	0.95

To calculate the LLD for a temperature other than 25°C, multiply the LLD @ 25°C (shown in the performance package table) by the LLD multiplier for the selected temperature.

American Electric Lighting®
AEL Headquarters, 3825 Columbus Road, Granville, OH 43023
www.americanelectriclighting.com

Warranty Five-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx
Actual performance may differ as a result of end-user environment and application.
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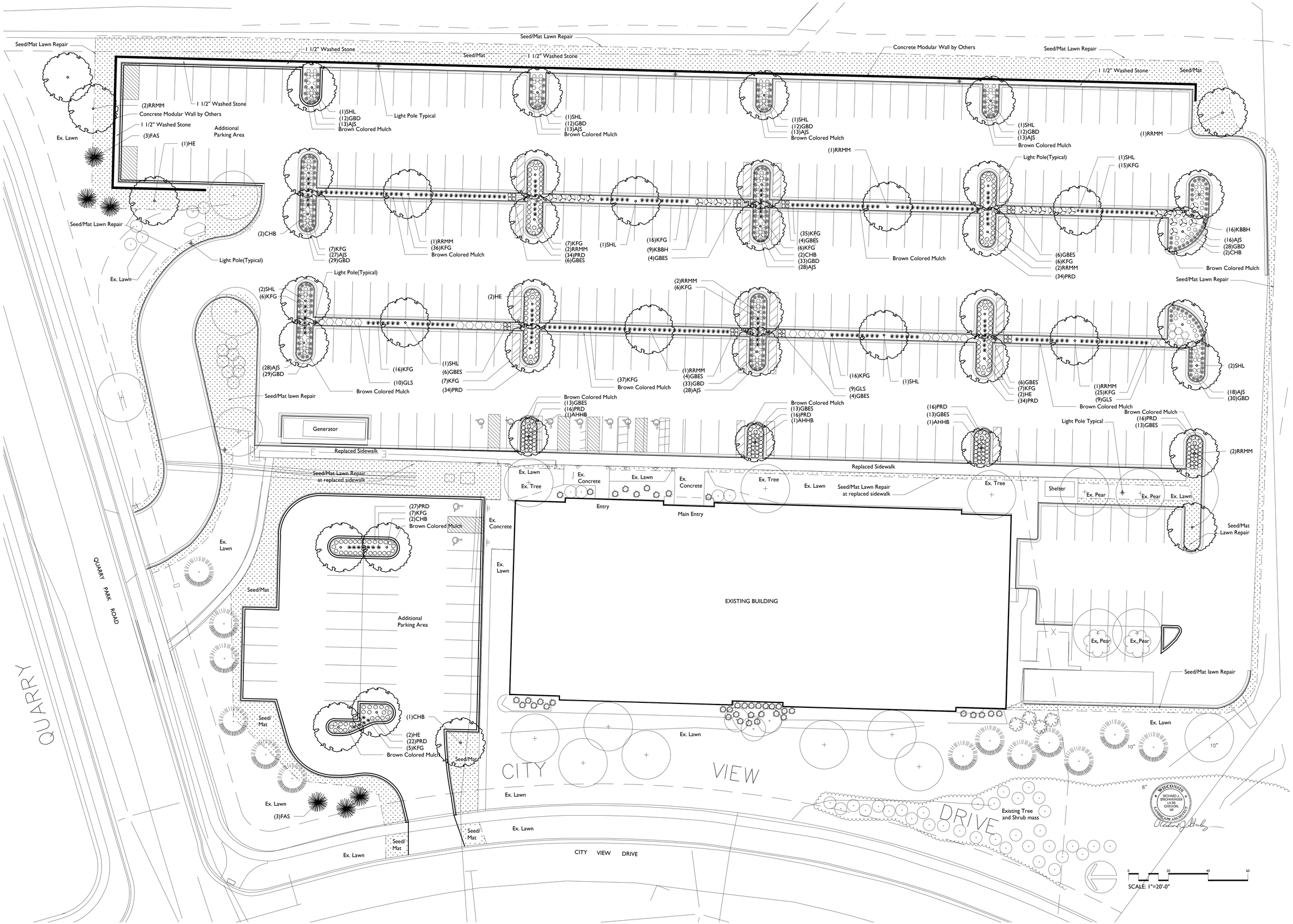

the bruce company
OF WISCONSIN INC.
LANDSCAPE ARCHITECTS
LANDSCAPE CONTRACTORS
2830 PARMENTER STREET
P.O. BOX 620330
MIDDLETON, WI 53562-0330
TEL (608) 836-7041
FAX (608) 831-6266

AMERICAN FAMILY 2335 CITY VIEW PARKING LOT

2335 CITY VIEW DRIVE
MADISON, WISCONSIN 53718

Checked By: SS
Drawn By: 9/18/17 RS

Revised: 11/3/17 RS
Revised: 1/17/18 RS
Revised: 2/21/18 RS
Revised:
Revised:
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MADISON LANDSCAPE WORKSHEET

Zoning district is RPSM
Total square footage of developed area .....139,356 SF
Total square footage of first 5 acres of developed area ÷ 300 square feet = ...461 Landscape Units
Total square footage of 0 additional acres of developed area ÷ 100 square feet = ...0 Landscape Units
NUMBER OF LANDSCAPE POINT REQUIRED
461 Landscape Units x 5 landscape points for first 5 acres.....2,305 points
0 Landscpe Units x 1 landscape point for additional ___acres.....0 points
TOTAL LANDSCAPE POINTS REQURED.....2,305 points

PLANT TYPE or ELEMENT	Point Value	NEW		EXISTING		
		Qty.	Points Achieved	Qty.	Points Achieved	
Overstory Deciduous Tree : 2-1/2" (dbh)	35	46	1,610	19	665	
Tall Evergreen Tree : 5-6 feet tall	35	6	210	13	455	
Ornamental Tree : 1-1/2" Caliper (dbh)	15			3	45	
Upright Evergreen Shrub : 3-4 feet tall	10			4	40	
Shrub, deciduous : 3 gallon / 12"-24"	3	53	159	47	141	
Shrub, evergreen : 3 gallon / 12"-24"	4			41	164	
Ornamental grass/perennial :1gallon / 8"-18"	2	1,028	2,056			
Ornamental / Decorative fencing or wall	4 per 10 l.f.					
Existing significant specimen tree	14 per Cal. In.					TOTAL POINTS PROVIDED
Landscape furniture for public seating and /or transit connections	5 per 'seat'					
	Sub Totals		4,035	+	1,510	= 5,545

Street Frontage Landscape Required

Street Frontage = 884 LF
Canopy Trees Required: 1 per 30 LF Frontage = ... 29
Shrubs Required : 5 per 30 LF Frontage = ... 145

Street Frontage Landscape Supplied

Canopy Trees = ...65
Shrubs = ...145

Plant Material List

Broadleaf Deciduous

Quantity	Code Name	Common Name	Scientific Name	Planting Size
15	RRMM	Rugged Ridge Miyabe Maple	Acer Miyabei 'jfs-Kw3ami'	2 1/2" B&B
9	CHB	Common Hackberry	Celtis Occidentalis	2 1/2" B&B
12	SHL	Skyline Thnls Honeylocust	Gleditsia Triacan Iner 'skycole'	2 1/2" B&B
3	AHHB	Amer Hophornbeam	Ostrya Virginiana	2 1/2" B&B
7	HE	Homestead Elm	Ulmus 'homestead'	2 1/2" B&B

Conifer Evergreen

Quantity	Code Name	Common Name	Scientific Name	Planting Size
6	FAS	Fat Albert Blue Spruce	Picea Pungens 'fat Albert'	5' B&B

Perennial

Quantity	Code Name	Common Name	Scientific Name	Planting Size
260	KFG	Karl Foerster's Feather Reed Grass	Calamagrostis Acutiflora 'karl Foerster'	#1 CONT.
230	GBD	Going Bananas Daylily	Hemerocallis 'going Bananas'	#1 CONT.
92	GBES	Goldsturm Black-Eyed Susan	Rudbeckia Ful Var Sullivan 'goldsturm'	#1 CONT.
197	AJS	Autumn Joy Sedum	Sedum 'herbstfreude'	#1 CONT.
249	PRD	Prairie Dropseed	Sporobolus Heterolepis	#1 CONT.

Shrub

Quantity	Code Name	Common Name	Scientific Name	Planting Size
25	KBBH	Kodiak Black Bush-Honeysuckle	Diervilla Rivularis 'smndrsf'	#3 CONT.
28	GLS	Gro-Low Fragrant Sumac	Rhus Aromatica 'gro-Low'	#3 CONT.

GENERAL NOTES

A) Areas labeled "Brown Colored Wood Mulch" to receive a mixture of recycled wood mulch, colored brown, spread to a 3" depth over pre-emergent herbicide.

B) Individual trees (and shrub groupings) found along perimeter of property as well as those found within lawn areas to receive wood mulch rings (and wood mulch beds) consisting of a mixture of recycled wood mulch, colored brown, spread to a minimum 3" depth (3' wide beds for shrub groupings).

C) "Vinyl Edging" to be Valley View Black Diamond Vinyl Edging or equivalent.

D) Areas labeled "washed stone" to receive 1-1/2" washed stone spread to a 3" depth over fabric weed barrier.

E) "Seed" areas shall be finish-graded and seeded at a rate of 4 lbs. per 1,000 sq. ft.

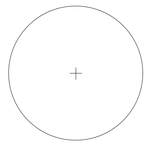
F) Seed shall consist of the following mixture:
- 10% Palmer IV Perennial Ryegrass
- 20% Dragon Kentucky Bluegrass
- 20% Diva Kentucky Bluegrass
- 20% Foxy II Creeping Red Fescue
- 15% Vail II Perennial Ryegrass
- 15% Ginney Kentucky Bluegrass

G) Areas labeled "Seed/Mat" shall be seeded with the above-noted premium lawn seed mixture and overlaid with DS75 straw erosion control netting that is then pegged into the soil with metal staples.

H) Existing street trees shall be protected. Contractor shall install tree protection fencing in the area between the curb and sidewalk and extend it at least 5 feet from both sides of the tree along the length of the terrace. No excavation is permitted within 5 feet of the outside edge of the tree trunk. If Excavation within 5 feet of any tree is necessary, contractor shall contact City Forestry (608)266-4816 prior to excavation to assess the impact to the tree and root system. Tree pruning shall be coordinated with City Forestry. Tree protection specifications can be found in section 107.13 of City of Madison Standard specifications for Public Works Construction-
http://www.cityofmadison.com/business/pw/documents/StdSpecs/2013/Part1.pdf.

I) Contractor shall contact City Forestry (608)266-4816 at least one week prior to installing street trees to schedule inspecting the nursery stock and reviewing landscaping specifications with the landscaper.

Existing Plant Material Key



Ex. Overstory Deciduous Tree - 19 Qty.

Ex. Tall Evergreen Tree - 13 Qty.

Ex. Ornamental Tree - 3 Qty.

Ex. Upright Evergreen Shrub- 4 Qty.

Ex. Shrub Deciduous- 47 Qty

Ex. Shrub, Evergreen- 41 Qty.

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AMERICAN FAMILY 2335 CITY VIEW PARKING LOT
2335 CITY VIEW DRIVE
MADISON, WISCONSIN 53718

Checked By: SS
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Revised:
Revised:
Revised:
Revised:

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Employee Projections Form (Tab B) -- Only required upon special request from BWS.

Division: Life Company **Office Location (City, State) : Madison** **Current Building / Floor: C3** **Department / Unit: Life Co.**

Director / Manager: Rich Steffan - President

INSTRUCTIONS

Fill in the total number of employees projected each year upon request of BWS. This information will support long-term planning efforts.

**Note if you are reporting employee projections for a large department or division that has unique needs per group or the groups may need to be split on more than one floor of a building, fill out separate programming templates per unit or department -- copy additional tabs as needed.

**If you are filling out only one form, add comments to clarify what employees are included within the projections (note unit and/or title)

Position	2017	2018	2019	2020	2021	Comments
Presidents	1	1	1	1	1	1 Administrative Assistant office
Vice Presidents						
Associate Vice Presidents	1	1	1	1	1	
Directors	5	5	5	5	5	
3rd line Managers	28	28	28	28	28	all offices
2nd line Managers (note in comments if they are in a workstation or private office)						
1st line Managers (note in comments if they are in a workstation or private office)						2 offices can be a shared office
Technical, Admin, Office Services, Coordinators, Assistants	266	265	265	265	265	
Field employees that require an assigned workstation (note these employees must work in the office the majority of the time).						
Field employees that require a hoteling workstation (a hoteling workstation is defined as an unassigned workspace that can be "checked out" as needed or available). These field employees would work outside of the office the majority of the time. **Note how many of the field stations would be occupied at once.**	14	14	14	14	14	External Advisors who's offis is elsewhere but sometimes travel to NHQ for meetings (2 stattions needed)
Contracted workers - describe position level(s) in comments.	1	1	1	1	1	Gen-Life Project Manager
Temporary employees - describe position level(s) in comments.	14	14	14	14	14	
Personnel who use remote access but are not physically located within our buildings. **Note if there is anything that is physically located within the office (i.e. equipment, storage, etc.). Also note if these employees are FTE's, contract or temporary.**						
Other personnel - describe position level(s) in comments.						
TOTAL	330	329	329	329	329	

CITY OF MADISON FIRE DEPARTMENT

Fire Prevention Division, 325 W. Johnson St., Madison, WI 53703 • Phone: 608-266-4484 • FAX: 608-267-1153

Project Address: 2335 City View Dr. Madison WI, 53718

Contact Name & Phone #: Ben Schulte 262-953-4158

FIRE APPARATUS ACCESS AND FIRE HYDRANT WORKSHEET

1. Is the building completely protected by an NFPA 13 or 13R automatic fire sprinkler system?	☐ Yes	☐ No	☒ N/A
If non-sprinklered, fire lanes extend to within 150-feet of all portions of the exterior wall?	☐ Yes	☐ No	☒ N/A
If sprinklered, fire lanes are within 250-feet of all portions of the exterior wall?	☐ Yes	☐ No	☒ N/A
2. Is the fire lane constructed of concrete or asphalt, designed to support a minimum load of 85,000 lbs?	☒ Yes	☐ No	☐ N/A
a) Is the fire lane a minimum unobstructed width of at least 20-feet?	☒ Yes	☐ No	☐ N/A
b) Is the fire lane unobstructed with a vertical clearance of at least 13½-feet?	☒ Yes	☐ No	☐ N/A
c) Is the minimum inside turning radius of the fire lane at least 28-feet?	☒ Yes	☐ No	☐ N/A
d) Is the grade of the fire lane not more than a slope of 8%?	☒ Yes	☐ No	☐ N/A
e) Is the fire lane posted as fire lane?	☐ Yes	☐ No	☒ N/A
a. Is a detail of the signage included on the site plan?	☐ Yes	☐ No	☒ N/A
f) Is a roll-able curb used as part of the fire lane?	☐ Yes	☐ No	☒ N/A
a. Is a detail of the curb included on the site plan?	☐ Yes	☐ No	☒ N/A
g) Is part of a sidewalk used as part of the required fire lane?	☐ Yes	☒ No	☐ N/A
a. Is the sidewalk constructed to withstand 85,000-lbs?	☐ Yes	☒ No	☐ N/A
3. Is the fire lane obstructed by security gates or barricades? If yes:	☐ Yes	☒ No	☐ N/A
a) Is the gate a minimum of 20-feet clear opening?	☐ Yes	☐ No	☐ N/A
b) Is an approved means of emergency operations installed, key vault, padlock or key switch?	☐ Yes	☐ No	☐ N/A
4. Is the Fire lane dead-ended with a length greater than 150-feet?	☐ Yes	☒ No	☐ N/A
If yes, is the area for turning around fire apparatus provided by:			
a) A cul-de-sac with a minimum inside diameter of 70-feet?	☐ Yes	☐ No	☐ N/A
b) A 45-degree wye with a minimum length of 60-feet per side?	☐ Yes	☐ No	☐ N/A
c) A 90-degree tee with a minimum length of 60-feet per side?	☐ Yes	☐ No	☐ N/A
5. Is any portion of the building to be used for high-piled storage in accordance with IFC Chapter 23? If yes, see IFC 2306.6 for further requirements.	☐ Yes	☐ No	☒ N/A
6. Is any part of the building greater than 30-feet above the lowest level of fire apparatus access?	☐ Yes	☒ No	☐ N/A
If yes, answer the following questions:			
a) Is the aerial apparatus fire lane parallel to one entire side of the building?	☐ Yes	☐ No	☐ N/A
b) Is the near edge of the aerial apparatus fire lane between 15' and 30' from the building?	☐ Yes	☐ No	☐ N/A
c) Are there any overhead power or utility lines located across the aerial apparatus fire lane?	☐ Yes	☐ No	☐ N/A
d) Does the aerial apparatus fire lane have a minimum unobstructed width of 26-feet?	☐ Yes	☐ No	☐ N/A
7. Are all portions of the required fire lanes within 500-feet of at least (2) hydrants?	☐ Yes	☐ No	☒ N/A
Note: Distances shall be measured along the path of the hose lay as it comes off the fire apparatus.			
a) Is the fire lane at least 26' wide for at least 20-feet on each side of the hydrants?	☐ Yes	☐ No	☒ N/A
b) Is there at least 40' between a hydrant and the building?	☐ Yes	☐ No	☒ N/A
c) Are the hydrant(s) setback no less than 5-feet nor more than 10-feet from the curb or edge of the street or fire lane?	☐ Yes	☐ No	☒ N/A
d) Are hydrants located in parking lot islands a minimum of 3½-feet from the hydrant to the curb?	☐ Yes	☐ No	☒ N/A
e) Are there no obstructions, including but not limited to: power poles, trees, bushes, fences, posts located, or grade changes exceeding 1½-feet, within 5-feet of a fire hydrant?	☐ Yes	☐ No	☒ N/A
Note: Hydrants shall be installed and in-service prior to combustible construction on the project site.			

Attach an additional sheet if further explanation is required for any answers.

This worksheet is based on **MGO 34.20** and **IFC 2006 Edition Chapter 5 and Appendix D**; please see the codes for further information.

Legal Description

Legal Description of Property (2335 City View Drive):

Lot 51 of High Crossing Fifth Addition, City of Madison, Dane County, Wisconsin

Zoning District: Suburban Employment (SE)

Site Area: 5.74 acres (249,972.86 square feet)

Storm Water Management Report
2335 City View Parking Lot Expansion
City of Madison, Dane County

Legal Description of Property: 2335 City View Drive

Lot 51 of High Crossing Fifth Addition Plat, located in the SE ¼ of the NE ¼ of Section 27 NE, T8N, R10E City of Madison, Dane County, Wisconsin

1.0 Introduction

1.1 Project Description

1.2

The existing parking lot has a total of 266 stalls, including seven ADA accessible stalls. The parking lot was reconstructed in the fall of 2017 following the purchase of the property by American Family Insurance. The existing number of stalls is not adequate to serve the number employees scheduled to move into the office building later this year.

To serve employees and visitors to the office building, a new parking lot is proposed in the northwest corner of the site. In addition, the existing parking lot will be expanded in the northeast corner. Combined, the new parking areas will have an impervious area of 18,510 square feet.

1.2 Existing Storm Water Management

The 5.74-acre lot is in the Starkweather Creek watershed as per the Wisconsin DNR Watershed Restoration Viewer. The Starkweather Creek watershed is within the bounds of the greater Rock River TDML Watershed, subjecting runoff to more stringent performance standards. In this case storm water runoff is treated on a plat level. Outlot 4, located southwest of the 2335 City View, treats runoff from the site for sediment control. The existing parking lot has permanent inlet filters in all the inlets to meet oil and grease removal requirements.

1.3 Methods, Materials, and Equipment

The project will be installed using traditional excavation, hauling, and grading equipment. Actual construction equipment and installation methods will be determined by the contractor. The project will be installed using construction equipment including but not limited to: backhoes, dump trucks, bull dozers, asphalt pavers, rollers, bobcats, saws, etc.

1.4 Erosion and Sediment Control Approach

Temporary erosion control measures consist of silt fence, stone tracking pad, inlet protection, erosion matting, and temporary seeding if necessary. Refer to the attached drawings for specific locations and

descriptions of proposed erosion control measures. Most of the disturbed area will promptly be paved, covering the bare soil. In other locations, permanent erosion control measures consisting of permanent seeding and class 1, type A erosion matting that will be installed and maintained as soon as disturbed areas are brought to finish grade. Erosion control methods are shown on the attached plans and will conform to the Wisconsin Department of Natural Resources Technical Standards.

2.0 Storm Water Management Performance Standards

Runoff Rate Control:

Rate control is handled at the regional level at Outlot 4. Additional measures are not required.

Sediment Control:

Runoff is treated for sediment control at a regional level at Outlot 4 to achieve necessary TSS reduction. Additional measures are therefore not required.

Thermal Control:

Starkweather Creek is not a thermally sensitive watershed and therefore will not require thermal controls

Oil and Grease Control:

Permanent inlet filter will be installed in the two proposed inlets with the completion of paving.

Infiltration:

Development will not increase the impervious area by an area greater than 20,000 square feet. Infiltration requirements are therefore not applicable.

Protective Areas:

Impervious surfaces are outside of protective areas. An explanation for protective area disturbance is not necessary.

CARPC Requirements:

Not Applicable.

3.0 Construction Schedule

The following construction schedule proposed by Ruekert & Mielke is preliminary and subject to change over the course of construction.

- Start of Construction: April 23, 2018
- Substantial Completion: Paving is expected to be substantially complete by June 4, 2018.
- Final Completion: June 11, 2018

4.0 Maintenance Plan

The Owner or the Owner's representative shall install and maintain catch basin inserts as noted on the approved plans. Said insert is installed for mitigation of oil and grease in the storm water runoff. Installation and maintenance shall be in accordance with the manufacturer's guidelines, which, at minimum, shall be subject to three (3) inspections per year, two (2) cleanings per year, and one (1) filter replacement per year. More specifically, debris shall be removed, and the filter medium is to be replaced any time the filter medium appears to be 50% coated with oil or grease.

Owner shall maintain records of inspections, cleaning, and replacement of the device or components of the device all in accordance with Chapter 37 of the Madison General Ordinances.