



# City of Madison Fire Department

30 West Mifflin Street, 8<sup>th</sup> & 9<sup>th</sup> Floors, Madison, WI 53703-2579

Phone: 608-266-4420 • Fax: 608-267-1100 • E-mail: fire@cityofmadison.com

Project Address:

647 Bear Claw Way

Contact Name & Phone #:

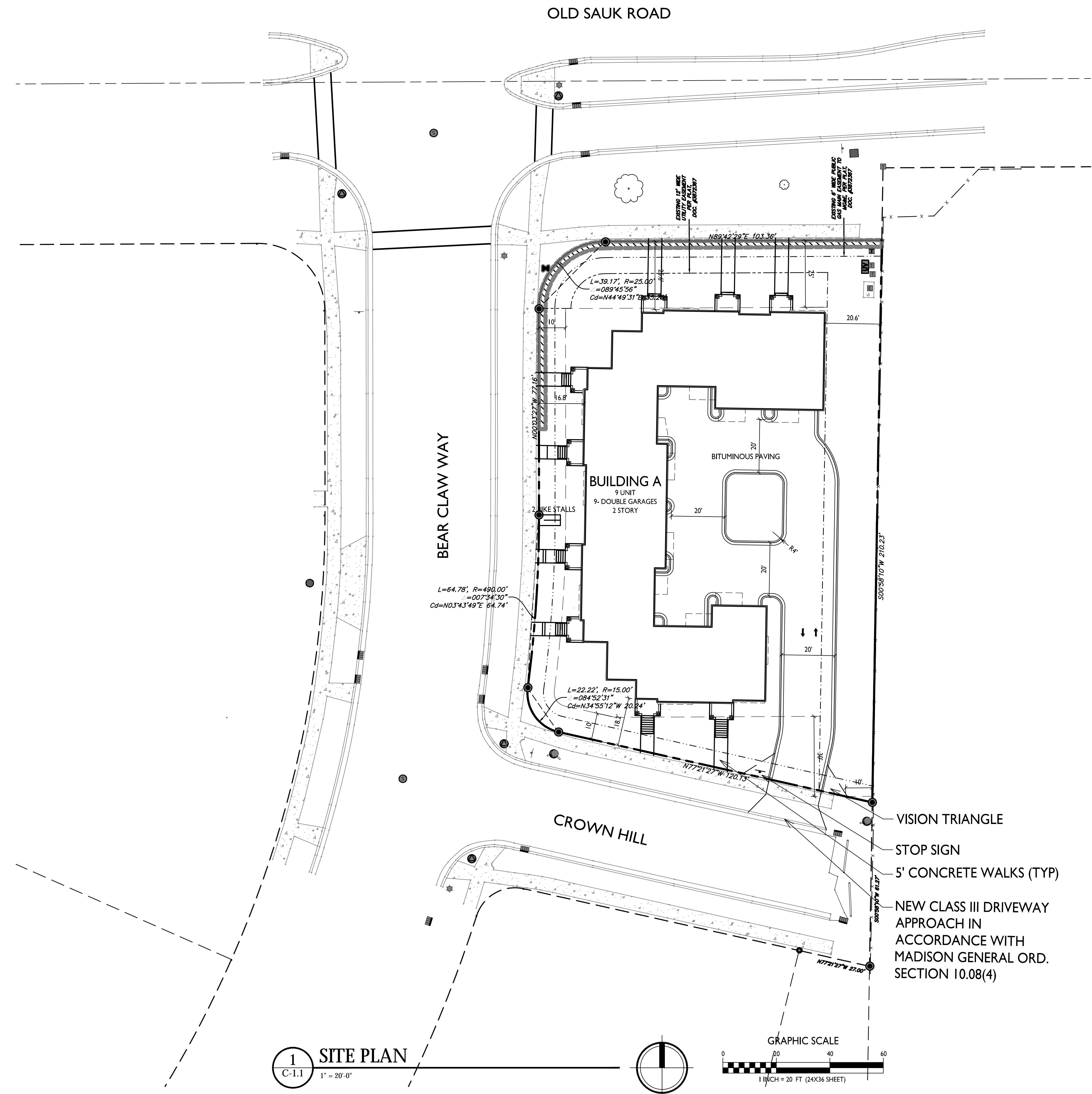
Don Schroeder 834-3690

## FIRE APPARATUS ACCESS AND FIRE HYDRANT WORKSHEET

1. Is the building completely protected by an NFPA 13 or 13R automatic fire sprinkler system?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
If <b>non-sprinklered</b> , fire lanes extend to within 150-feet of all portions of the exterior wall?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
If <b>sprinklered</b> , fire lanes are within 250-feet of all portions of the exterior wall?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
2. Is the fire lane constructed of concrete or asphalt, designed to support a minimum load of 85,000 lbs?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
a) Is the fire lane a minimum unobstructed width of at least 20-feet?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
b) Is the fire lane unobstructed with a vertical clearance of at least 13½-feet?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
c) Is the minimum inside turning radius of the fire lane at least 28-feet?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
d) Is the grade of the fire lane not more than a slope of 8%?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
e) Is the fire lane posted as fire lane? (Provide detail of signage.)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
f) Is a roll-able curb used as part of the fire lane? (Provide detail of curb.)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
g) Is part of a sidewalk used as part of the required fire lane? (Must support +85,000 lbs.)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
3. Is the fire lane obstructed by security gates or barricades? If yes:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
a) Is the gate a minimum of 20-feet clear opening?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
b) Is an approved means of emergency operations installed, key vault, padlock or key switch?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
4. Is the fire lane dead-ended with a length greater than 150-feet?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
If yes, does the area for turning around fire apparatus comply with IFC D103?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
5. Is any portion of the building to be used for high-piled storage in accordance with IFC Chapter 3206.6	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
If yes, see IFC 3206.6 for further requirements.			
6. Is any part of the building <u>greater than 30-feet</u> above the grade plane?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
If yes, answer the following questions:			
a) Is the aerial apparatus fire lane parallel to one entire side of the building and covering at least 25% of the perimeter?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
b) Is the near edge of the aerial apparatus fire lane between 15' and 30' from the building?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
c) Are there any overhead power or utility lines located across the aerial apparatus fire lane?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
d) Are there any tree canopies expected to grow across the aerial fire lane? (Based on mature canopy width of tree species)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
e) Does the aerial apparatus fire lane have a minimum unobstructed width of 26-feet?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
f) Is the space between the aerial lane and the building free of trees exceeding 20' in heights?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
7. Are all portions of the required fire lanes within 500-feet of at least (2) hydrants?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<i>Note: Distances shall be measured along the path of the hose lay as it comes off the fire apparatus.</i>			
a) Is the fire lane at least 26' wide for at least 20-feet on each side of the hydrants?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
b) Is there at least 40' between a hydrant and the building?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> 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?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
d) Are hydrants located in parking lot islands a minimum of 3½-feet from the hydrant to the curb?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> 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?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<i>Note: Hydrants shall be installed and in-service prior to combustible construction on the project site.</i>			

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

This worksheet is based on **MGO 34.503** and **IFC 2012 Edition Chapter 5 and Appendix D**; please see the codes for further information.


**SHEET INDEX**

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C-3.0	GRADING & EROSION CONTROL PLAN
C-4.0	UTILITY PLAN
C-5.0	CONSTRUCTION DETAILS
C-5.1	CONSTRUCTION DETAILS
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A-1.1	FIRST FLOOR PLAN
A-1.2	SECOND FLOOR PLAN
A-2.1	ELEVATIONS
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**SITE DEVELOPMENT DATA:**

DENSITIES:	24,778 SF / .56 ACRES
LOT AREA	.56 ACRES
DWELLING UNITS	9 DU
LOT AREA / D.U.	2.73 SF / UNIT
DENSITY	16 UNITS/ACRE
BUILDING HEIGHT	2-3 STORIES
LOT COVERAGE	13,367 S.F. = 54%
USABLE OPEN SPACE	5,664 S.F. (629 SF / D.U.)
<b>DWELLING UNIT MIX:</b>	
TWO BEDROOM	5
TWO BEDROOM + DEN	2
THREE BEDROOM	2
TOTAL DWELLING UNITS	9
<b>VEHICLE PARKING:</b>	
SURFACE GARAGE	18 STALLS
<b>BICYCLE PARKING:</b>	
SURFACE GUEST	2 STALLS (10% OF UNITS)
SURFACE RESIDENTIAL GARAGE	12 STALLS (COVERED)
TOTAL	14 STALLS

**ISSUED**  
Issued for Land Use - September 5, 2018

**PROJECT TITLE**  
Lot 25 - Sauk Heights  
647 Bear Claw Way

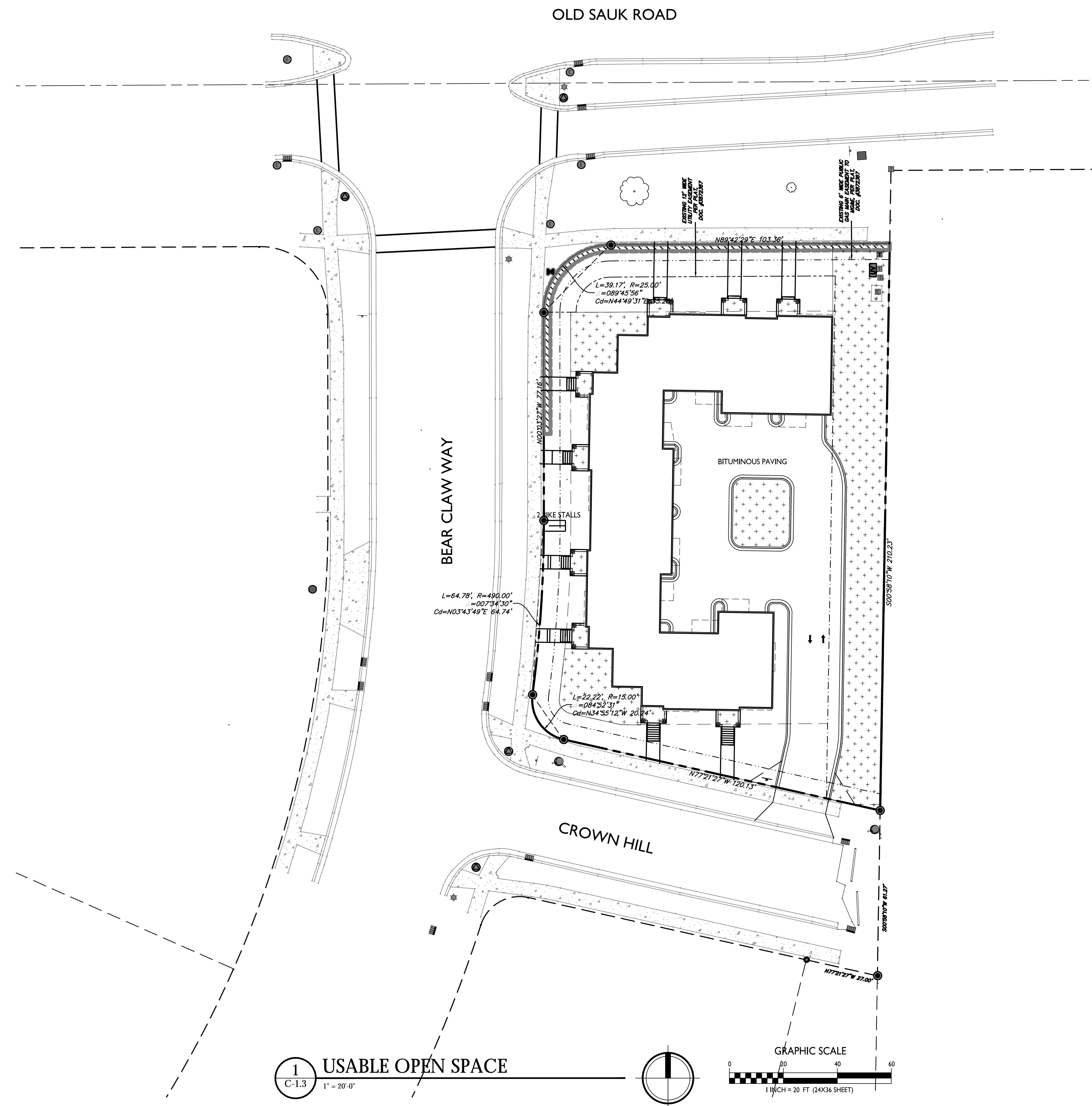
**GENERAL NOTES:**

1. THE APPLICANT SHALL REPLACE ALL SIDEWALK AND CURB AND GUTTER WHICH ABUTS THE PROPERTY WHICH IS DAMAGED BY THE CONSTRUCTION OR ANY SIDEWALK AND CURB AND GUTTER WHICH THE CITY ENGINEER DETERMINES NEEDS TO BE REPLACED BECAUSE IT IS NOT AT A DESIRABLE GRADE REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
2. ALL WORK IN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A CITY LICENSED CONTRACTOR.
3. ALL DAMAGE TO THE PAVEMENT, ADJACENT TO THIS DEVELOPMENT SHALL BE RESTORED IN ACCORDANCE WITH THE CITY OF MADISON'S PAVEMENT PATCHING CRITERIA.
4. APPROVAL OF PLANS FOR THIS PROJECT DOES NOT INCLUDE ANY APPROVAL TO PRUNE, REMOVE, OR PLANT TREES IN THE PUBLIC RIGHT-OF-WAY. PERMISSION FOR SUCH ACTIVITIES MUST BE OBTAINED FROM THE CITY FORESTER, 266-4816.
5. EASEMENT LINES SHOWN ON THIS SHEET ARE FOR GENERAL REFERENCE ONLY - SEE CSM AND CIVIL SHEETS FOR ADDITIONAL AND MORE COMPLETE EASEMENT INFORMATION.
6. 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 (266-4816) PRIOR TO EXCAVATION TO ASSESS THE IMPACT TO THE TREE AND ROOT SYSTEM. TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY PRIOR TO THE START OF CONSTRUCTION. TREE PROTECTION SPECIFICATIONS CAN BE FOUND IN SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. ANY TREE REMOVALS THAT ARE REQUIRED FOR CONSTRUCTION AFTER THE DEVELOPMENT PLAN IS APPROVED WILL REQUIRE AT LEAST A 72-HOUR WAIT PERIOD BEFORE A TREE REMOVAL PERMIT CAN BE ISSUED BY FORESTRY, TO NOTIFY THE ALDER OF THE CHANGE IN THE TREE PLAN.
7. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENTS.

**SHEET TITLE**  
Site Plan

**SHEET NUMBER**
**C-1.1**
**PROJECT NO.**





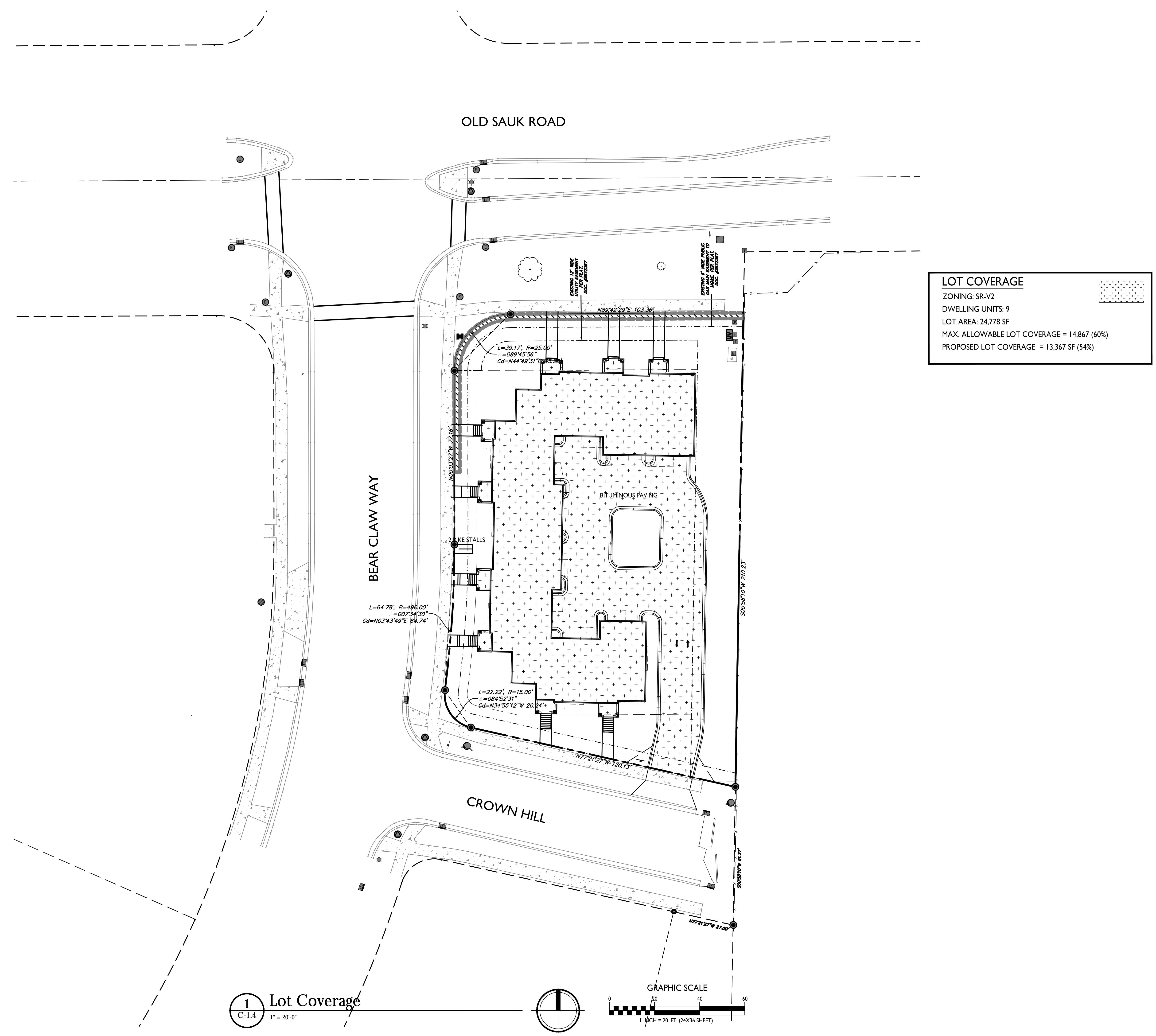
**PROJECT TITLE**  
**Lot 25 - Sauk Heights**  
 647 Bear Claw Way

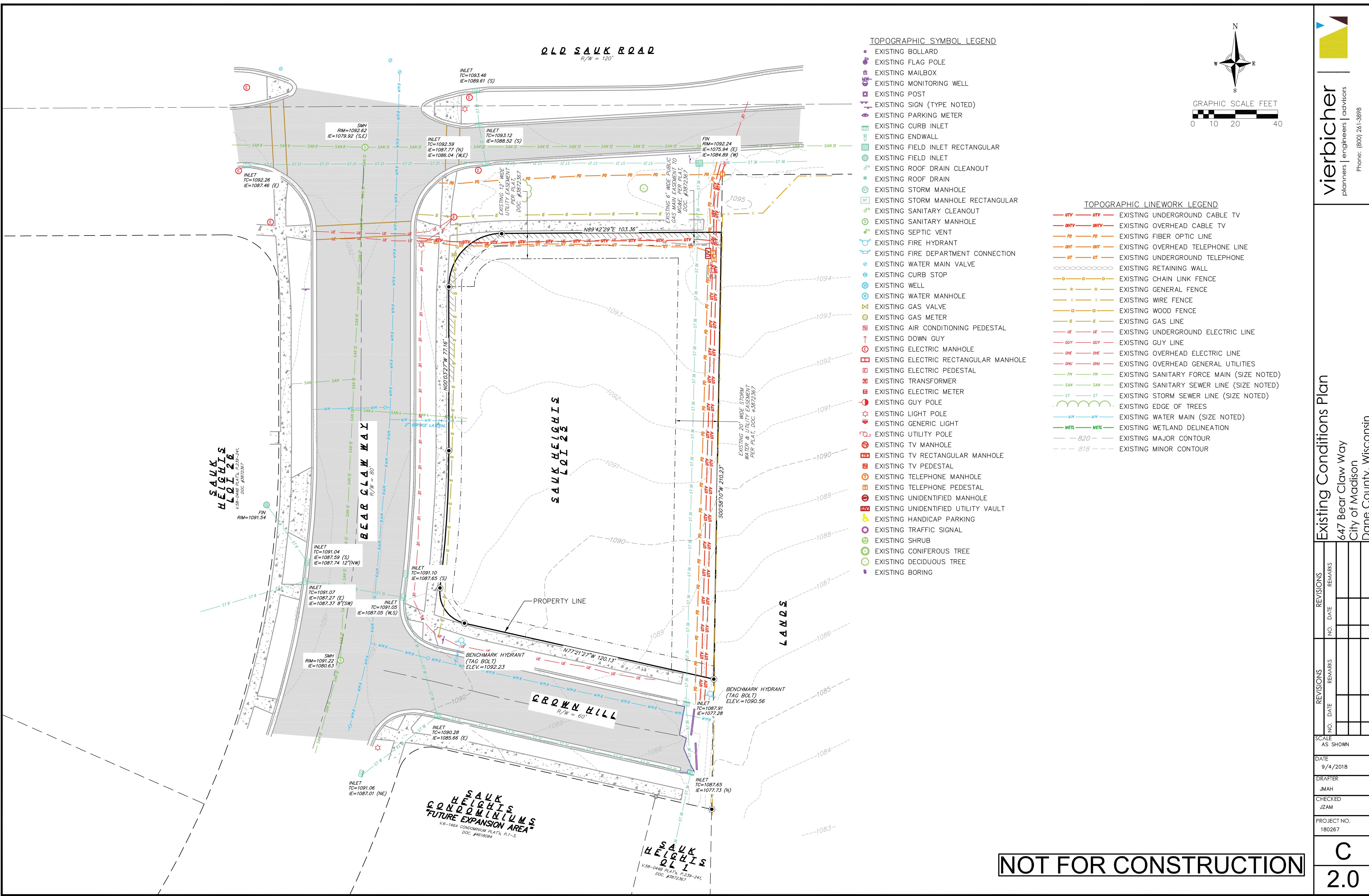
**SHEET TITLE**  
**Usable Open Space**

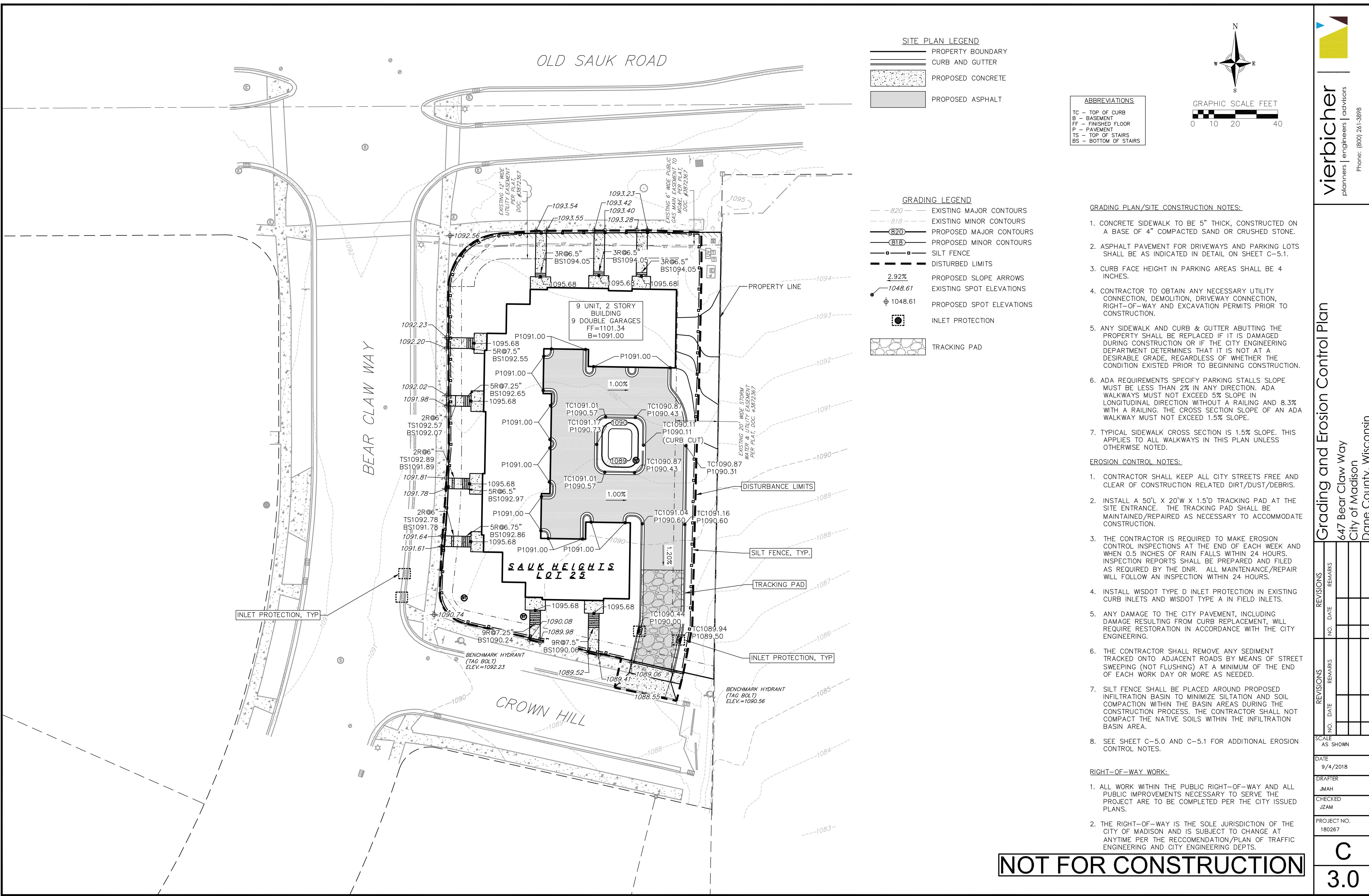
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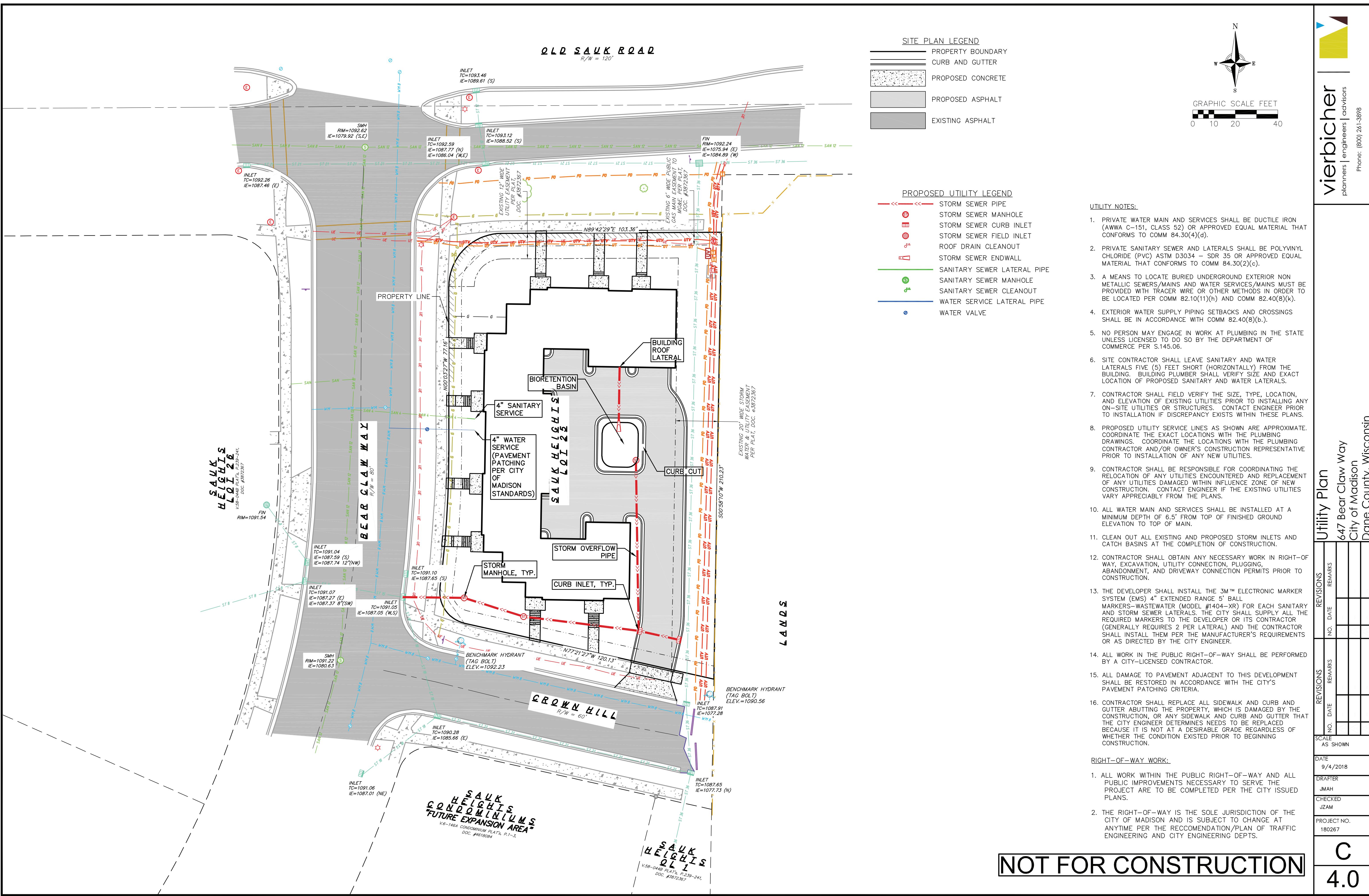
**C-1.3**

**PROJECT NO.**

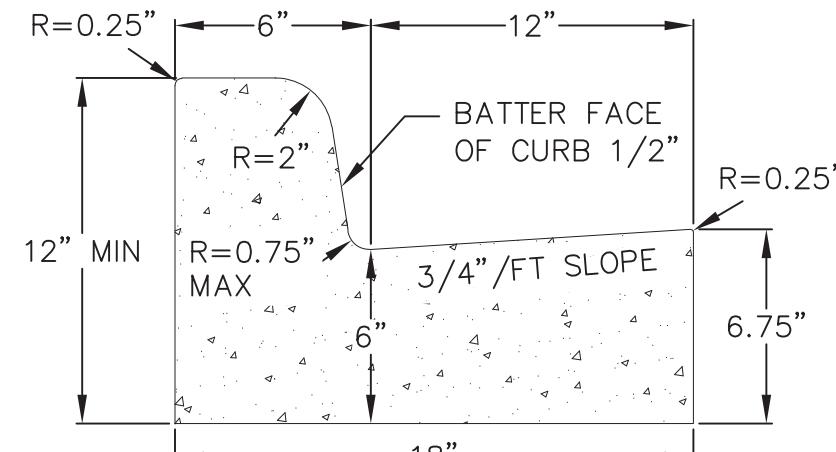




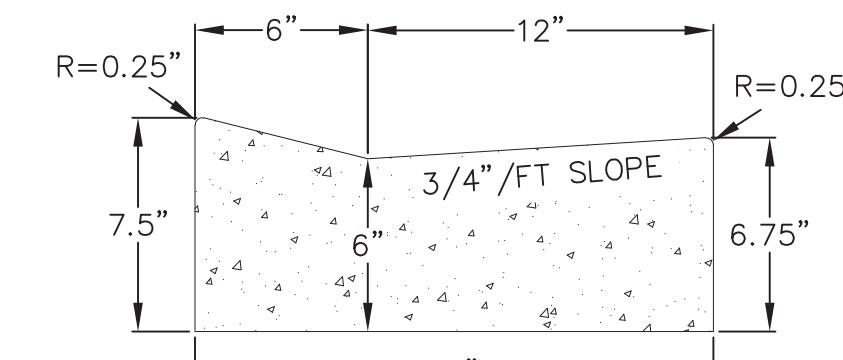




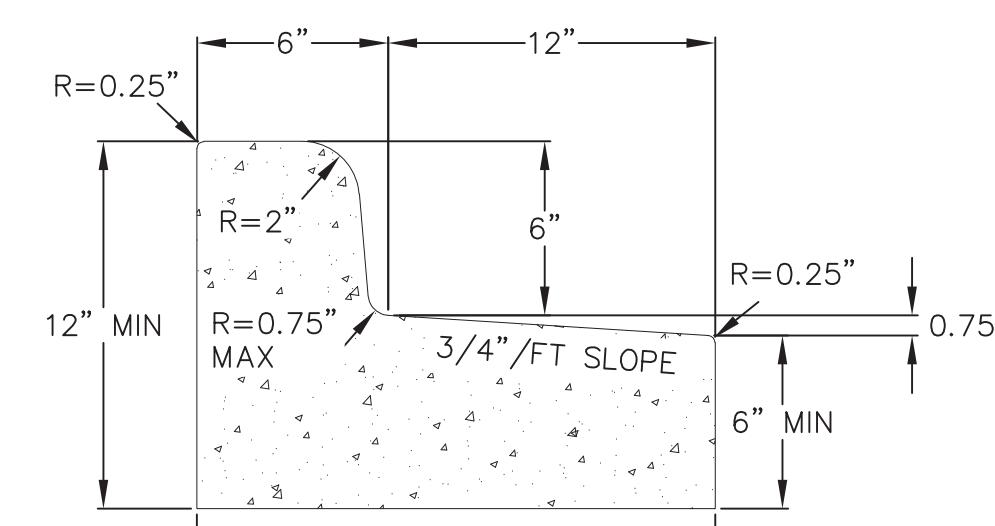




CURB AND GUTTER CROSS SECTION

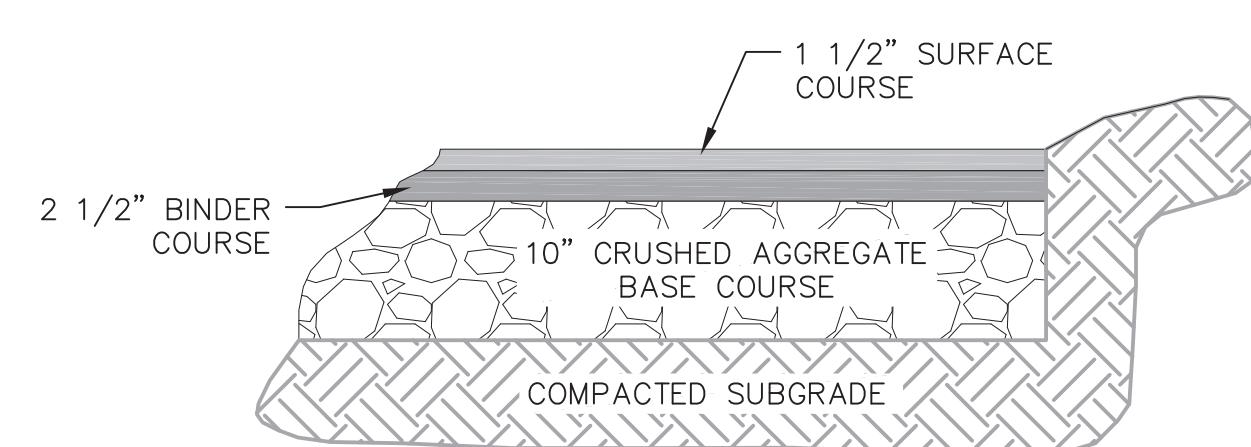


DRIVEWAY GUTTER CROSS SECTION

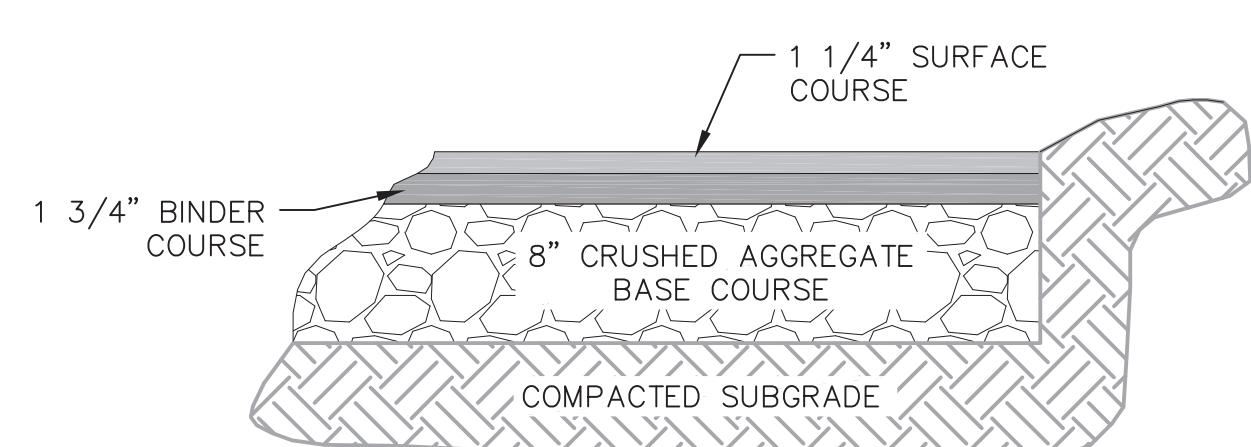


CURB AND GUTTER REJECT SECTION

5  
C401 18" CONCRETE CURB AND GUTTER  
NOT TO SCALE

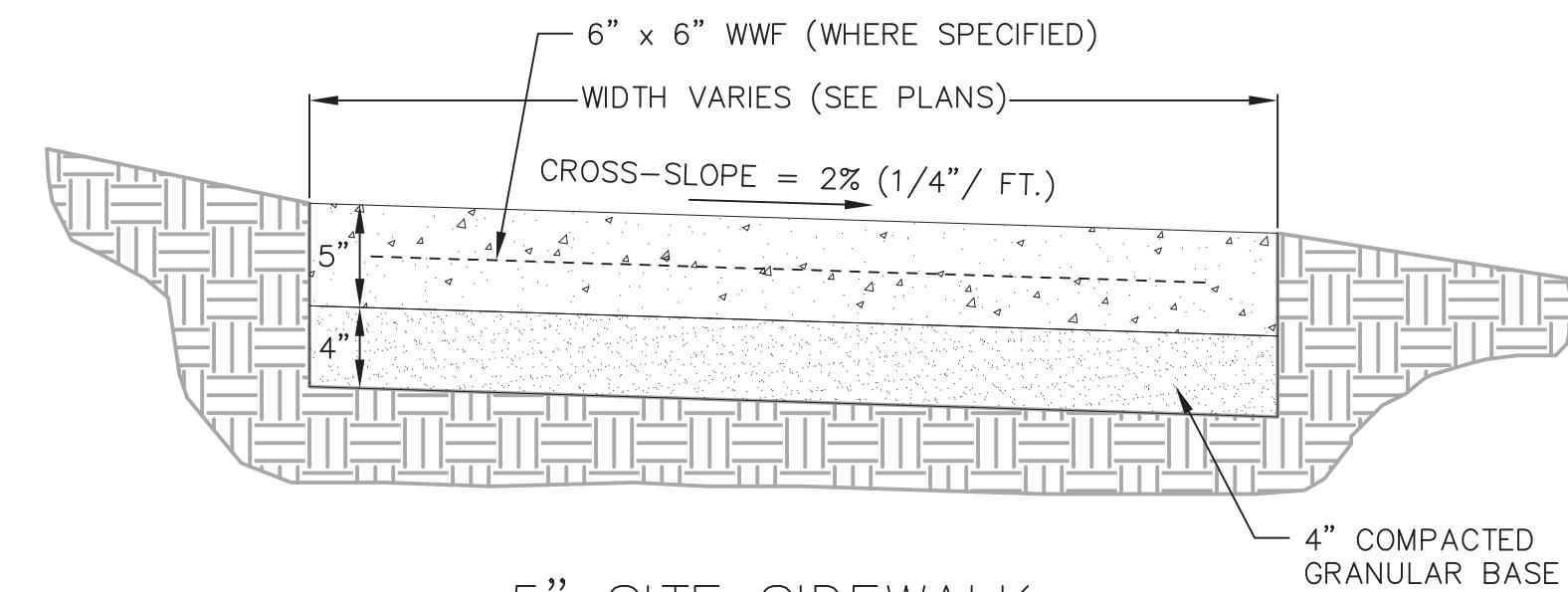


BITUMINOUS PAVEMENT DRIVES

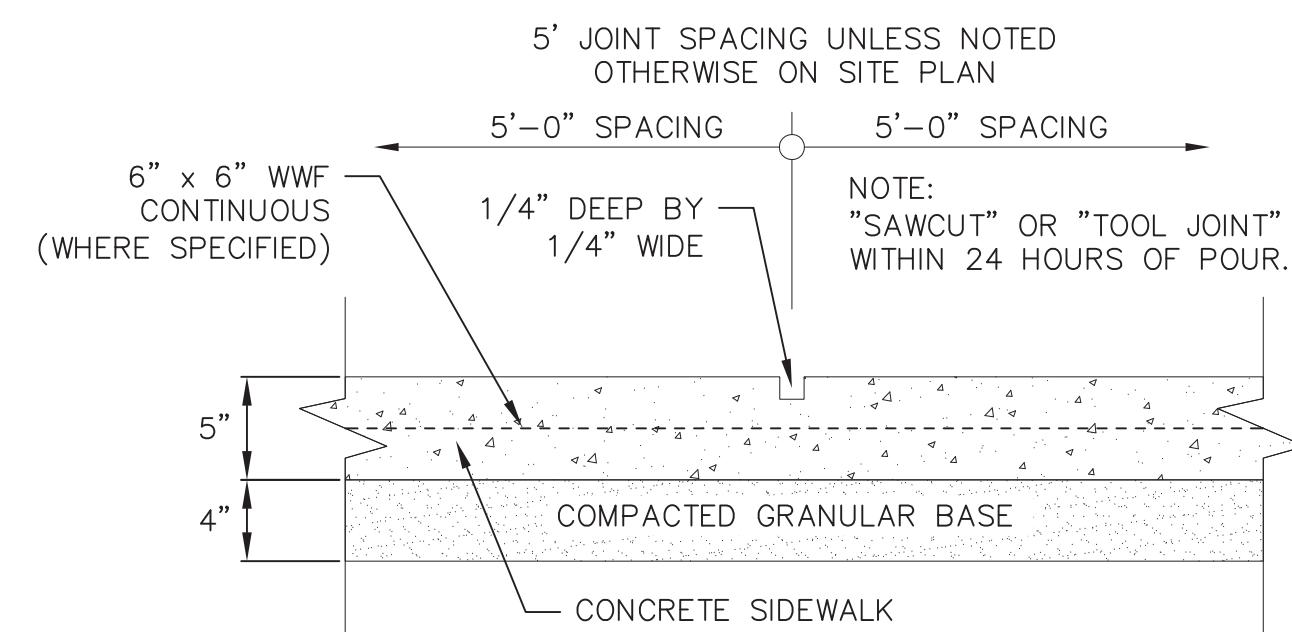


BITUMINOUS PAVEMENT PARKING LOT

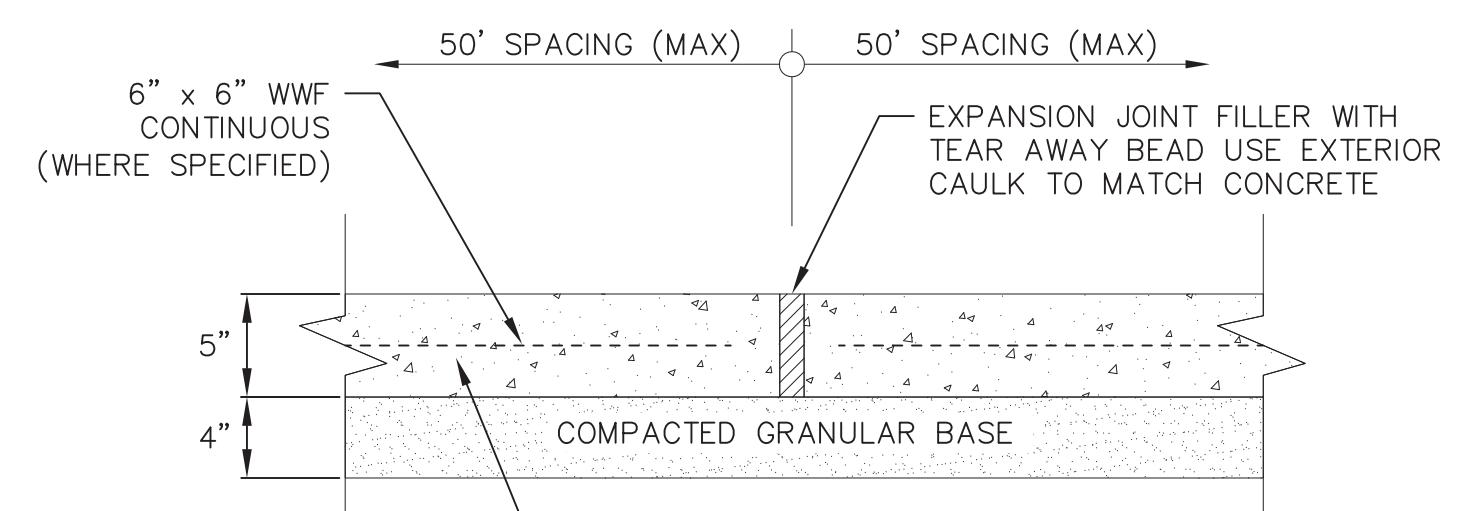
6  
C401 SITE PAVEMENT  
NOT TO SCALE



5" SITE SIDEWALK

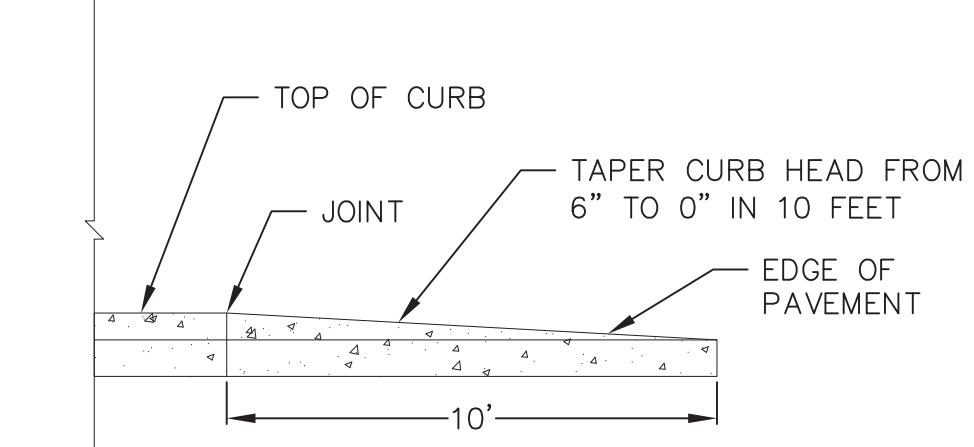


SIDWALK CONTROL JOINT



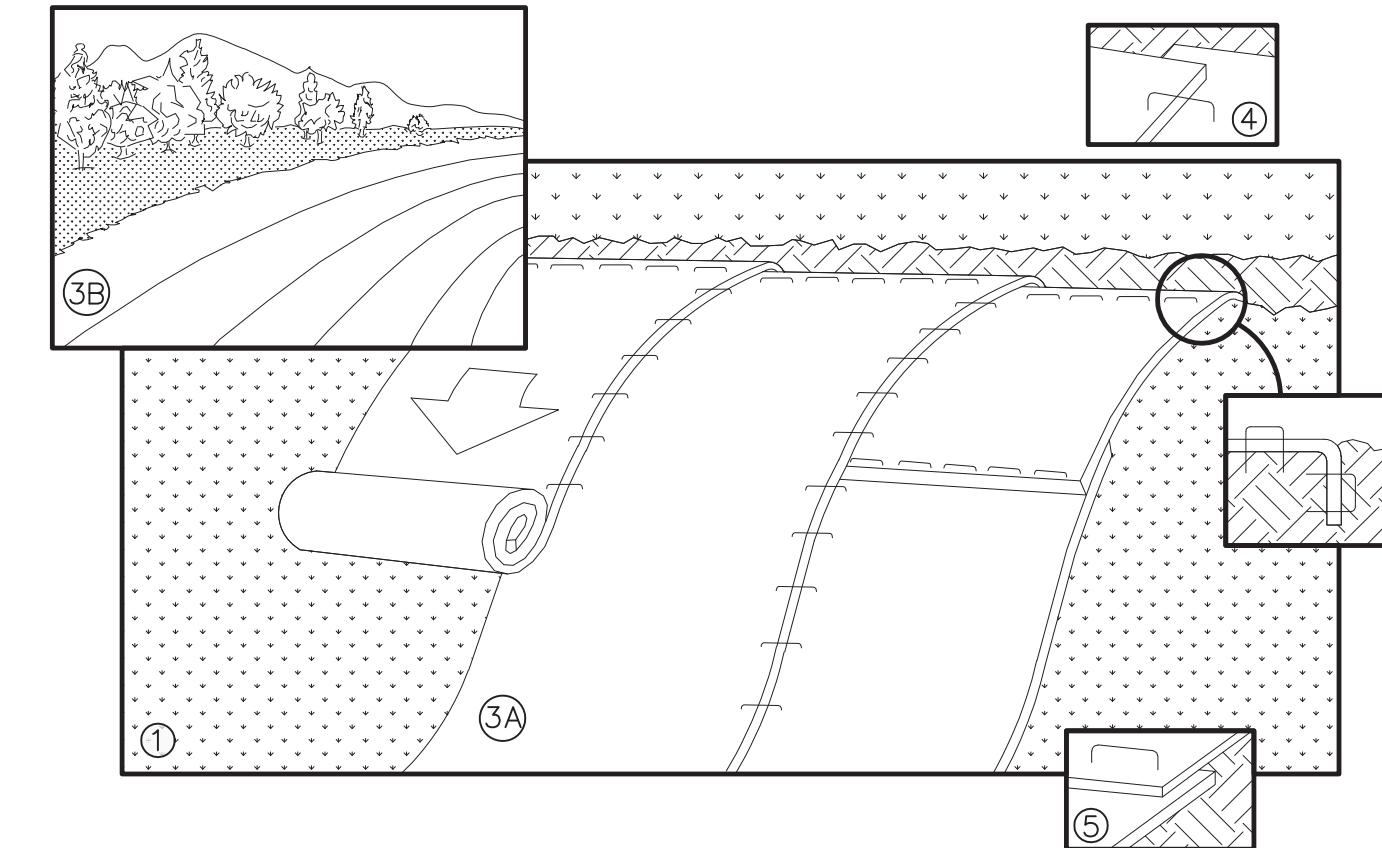
SIDWALK EXPANSION JOINT

3  
C401 5" SIDEWALK  
NOT TO SCALE



PROFILE VIEW

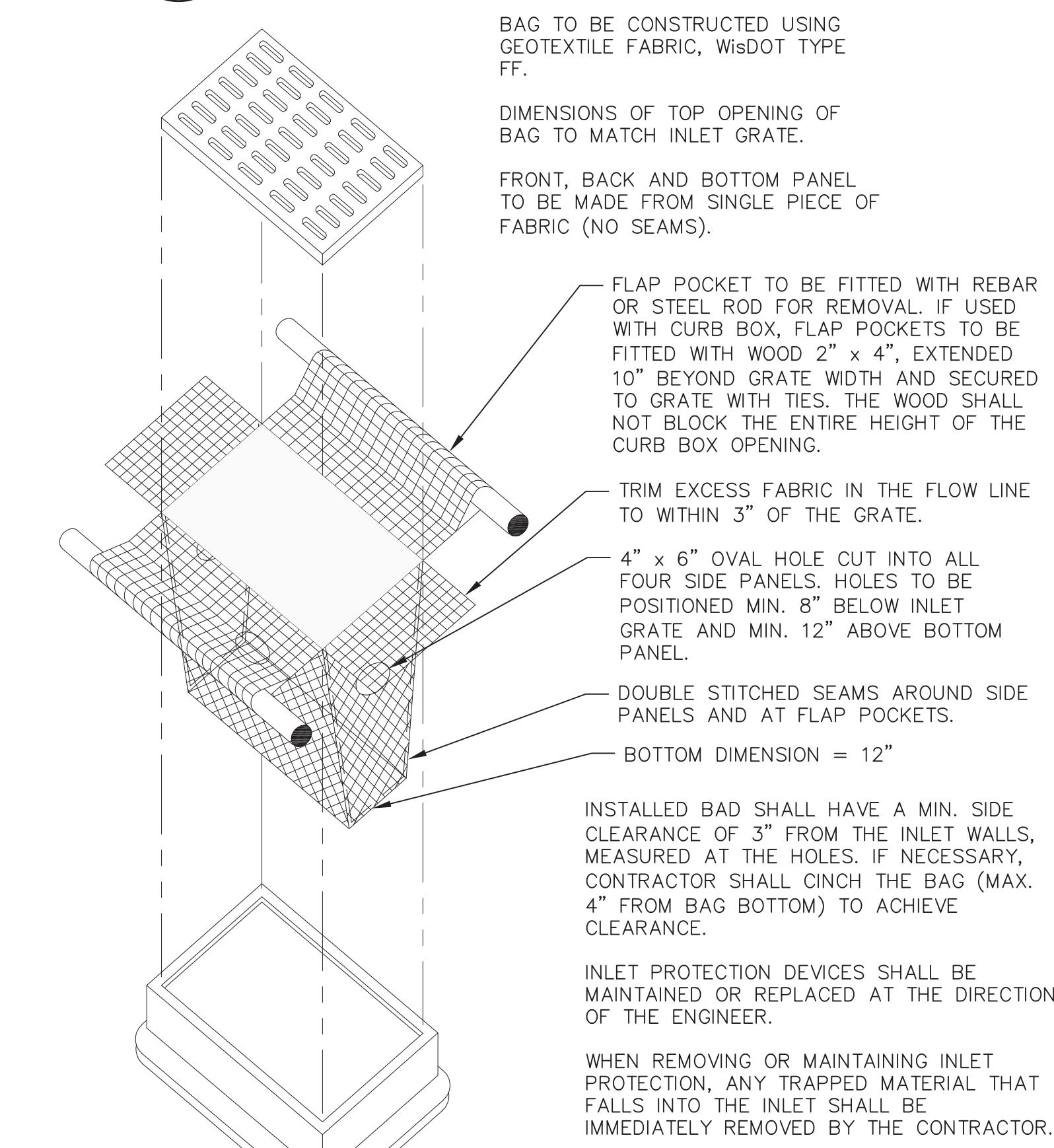
4  
C401 CURB & GUTTER TERMINATION  
NOT TO SCALE



NOTE: REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED. NOTE: WHEN USING CELL-O-SEED, DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS **<A>** DOWN, OR **<B>** HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
6. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SLOPE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER.

1  
C401 EROSION MAT  
NOT TO SCALE



BAG TO BE CONSTRUCTED USING GEOTEXTILE FABRIC, WisDOT TYPE FF.

DIMENSIONS OF TOP OPENING OF BAG TO MATCH INLET GRATE.

FRONT, BACK AND BOTTOM PANEL TO BE MADE FROM SINGLE PIECE OF FABRIC (NO SEAMS).

FLAP POCKET TO BE FITTED WITH REBAR OR STEEL ROD FOR REMOVAL IF USED WITH CURB BOX, FLAP POCKETS TO BE FITTED WITH WOOD 2" x 4", EXTENDED 10" BEYOND GRATE WIDTH AND SECURED TO GRATE WITH TIES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.  
4" x 6" OVAL HOLE CUT INTO ALL FOUR SIDE PANELS. HOLES TO BE POSITIONED MIN. 8" BELOW INLET GRATE AND MIN. 12" ABOVE BOTTOM PANEL.

DOUBLE STITCHED SEAMS AROUND SIDE PANELS AND AT FLAP POCKETS.

BOTTOM DIMENSION = 12"

INSTALLED BAG SHALL HAVE A MIN. SIDE CLEARANCE OF 3" FROM THE INLET WALLS, MEASURED AT THE HOLES. IF NECESSARY, CONTRACTOR SHALL CINCH THE BAG (MAX. 4" FROM BAG BOTTOM) TO ACHIEVE CLEARANCE.

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, ANY TRAPPED MATERIAL THAT FALLS INTO THE INLET SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR.

IF INLET DEPTH FROM TOP OF GRATE TO BOTTOM OF INLET IS LESS THAN 30", CONTRACTOR SHALL SUBSTITUTE WisDOT TYPE C INLET PROTECTION.

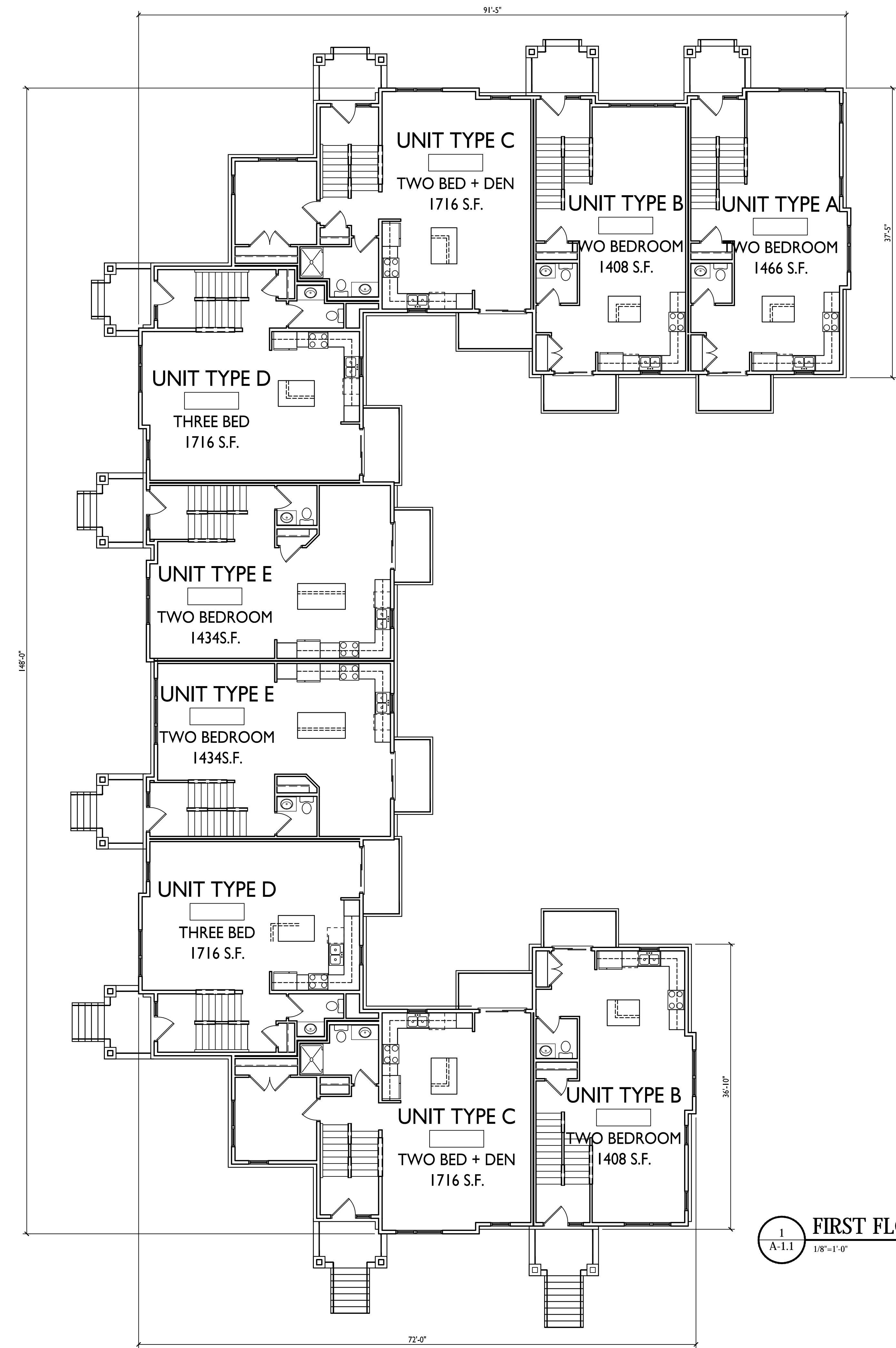
2  
C401 INLET PROTECTION TYPE D  
NOT TO SCALE

Construction Details  
647 Bear Claw Way  
City of Madison  
Dane County, Wisconsin

REVISIONS	REVISIONS	REMARKS
NO.	DATE	
SCALE AS SHOWN		
DATE 9/4/2018		
DRAFTER JMAH		
CHECKED JZAM		
PROJECT NO. 180267		
<b>C</b>		
<b>5.1</b>		







ISSUED  
Issued for Land Use : September 5, 2018

PROJECT TITLE  
**Lot 25 - Sauk  
Heights**  
647 Bear Claw Way

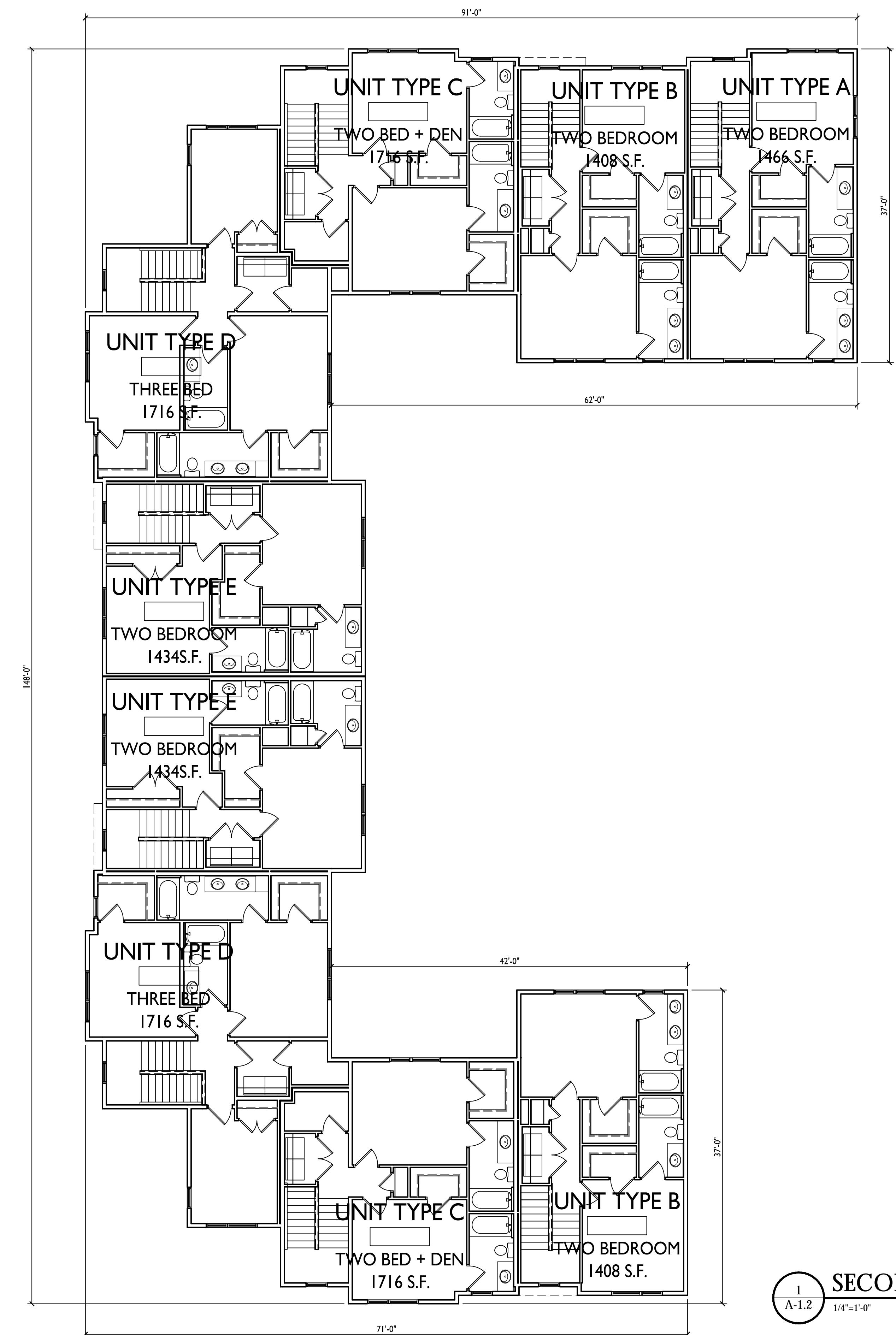
SHEET TITLE  
**First Floor Plan**

SHEET NUMBER

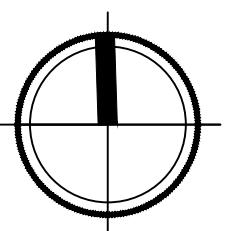
**A-1.1**

PROJECT NO.

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1  
A-1.2 1/4"=1'-0"  
SECOND FLOOR PLAN



PROJECT TITLE  
 Lot 25 - Sauk  
 Heights  
 647 Bear Claw Way

SHEET TITLE  
 Second Floor Plan

SHEET NUMBER

A-1.2

PROJECT NO.

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ISSUED  
 Issued for Land Use : September 5, 2018



**ELEVATION ALONG OLD SAUK**

1  
A-2.1  
1/8"=1'-0"

ISSUED  
Issued for Land Use : September 5, 2018



PROJECT TITLE  
Lot 25 - Sauk  
Heights  
647 Bear Claw Way

**ELEVATION ALONG BEAR CLAW**

2  
A-2.1  
1/8"=1'-0"

SHEET TITLE  
Elevations



**SOUTH ELEVATION**

3  
A-2.1  
1/8"=1'-0"

**A-2.1**

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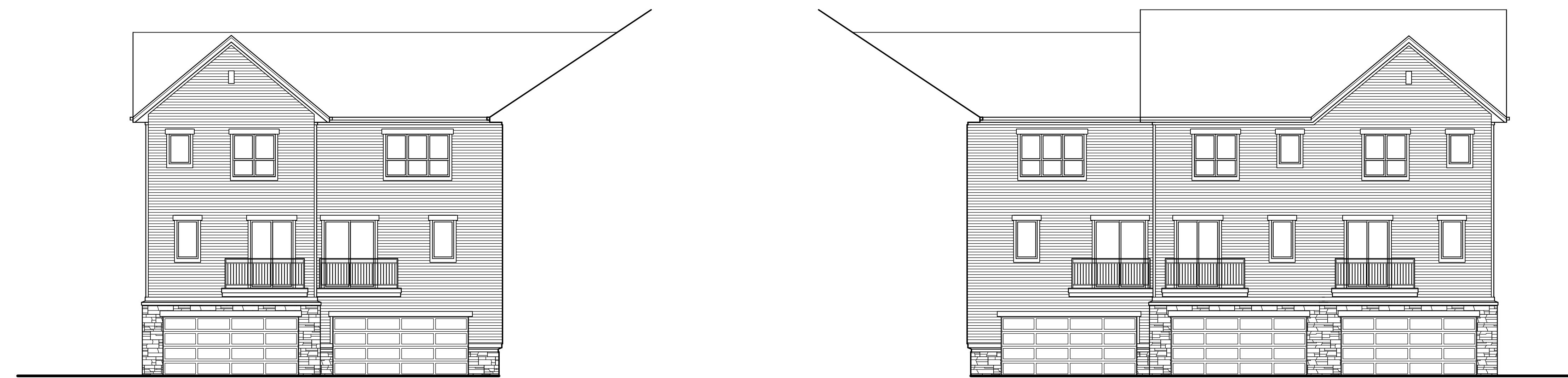


TYPICAL MATERIALS:

- ASPHALT SHINGLES
- ALUM. WRAPPED FASCIA
- COMPOSITE TRIM
- VINYL SIDING
- COMPOSITE SIDING/SHAKES
- VINYL WINDOWS
- STONE VENEER
- CAST STONE BANDS

ISSUED  
Issued for Land Use : September 5, 2018

**EAST ELEVATION**  
1  
A-2.2 1/8"=1'-0"



PROJECT TITLE  
Lot 25 - Sauk  
Heights  
647 Bear Claw Way

**INTERIOR COURT - NORTH ELEVATION**  
3  
A-2.2 1/8"=1'-0"

**INTERIOR COURT - SOUTH ELEVATION**  
2  
A-2.2 1/8"=1'-0"

SHEET TITLE  
Elevations

SHEET NUMBER

**A-2.2**

PROJECT NO.

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McKenzie - Old Sauk II

NORHT-WEST STREET





McKenzie - Old Sauk II

SOUTH-WEST

**kba**  
knothe bruce  
ARCHITECTS